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YUROK YOUTH CENTER

Project Location : 23001 CA HWY 96 WEITCHPEC CA 95546
For : #Client Full Name of NORTHERN CALIFORNIA

ABBREVIATIONS

ABV	ABOVE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
ADD	ADDENDUM
ADJ	ADJACENT, ADJUSTABLE
ABV	ABOVE FINISH FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
B.M.	BENCH MARK
BN	BOUNDARY NAILING
BO	BOTTOM OF
BRDG	BRIDGING
BRG	BEARING
BTU	BRITISH THERMAL UNIT
BTWN	BETWEEN
CB	CATCH BASIN
CFM	CUBIC FOOT PER MINUTE
CLG	CEILING
CP	CEMENT PLASTER
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPOSITE, COMPOSITION
CONC	CONCRETE
CONT	CONTINUOUS
CTR	CENTER
CY	CUBIC YARD
DBL	DOUBLE
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL, DIAGRAM
DIM	DIMENSIONS
DL	DEAD LOAD
DN	DOWN
DP	DEEP
DR	DOOR
DWG	DRAWING
(E)	EXISTING
E	EAST
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION, ELEVATOR
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQPMT	EQUIPMENT
EST	ESTIMATE
EXH	EXHAUST
EXT	EXTERIOR
FBGL	FIBERGLASS
FCB	FIBER CEMENT BOARD
FCP	FIBER CEMENT PANEL
FCT	FIBER CEMENT TRIM
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FIN	FINISH, FINISHED
FL	FLOWLINE
FLR	FLOOR
FLUOR	FLUORESCENT
FOB	FACE OF BEAM
FOC	FACE OF CONCRETE
FOCB	FACE OF CURB
FOF	FACE OF FINISH
FOFRMG	FACE OF FRAMING
FOM	FACE OF MASONRY
FRMG	FRAMING
FT	FEET, FOOT
FTG	FOOTING
F.V.	FIELD VERIFY
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GL	GLASS
GLB	GLUE LAMINATED BEAM
GPM	GALLONS PER MINUTE
GSM	GALVANIZED SHEET METAL
GWB	GYPSUM WALL BOARD
HB	HOSE BIB
HC	HANDICAP
HDR	HEADER
HCMD	HOLLOW CORE METAL DOOR
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HW	HOT WATER
IFOF	INSIDE FACE OF FRAMING
INSUL	INSULATION
INT	INTERIOR
JCT	JUNCTION
JST	JOIST
JNT	JOINT
KP	KICK PLATE
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LBS	POUNDS
LF	LINEAR FEET
LL	LIVE LOAD
MAX	MAXIMUM
MBR	MEMBER
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
MULL	MULLION
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NIP	NOT IN PERMIT
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDER INSTALLED
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD
OZ	OUNCE
O/	OVER
PRL	PARALLEL
PCF	POUNDS PER CUBIC FOOT
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PLATE
P.L.	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAR FOOT
PLUMB	PLUMBING
PLYWD	PLYWOOD
POC	POINT OF CONNECTION
PR	PAIR
PREFAB	PREFABRICATED
PROT	PROTECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTDF	PRESSURE TREATED DOUGLAS FIR
PVC	POLYVINYL CHLORIDE
QTR	QUARTER
R	RADIUS, RISER
RBR	RUBBER
RND	ROUND
RD	ROOF DRAIN
REF	REFERENCE
REG	REGULATION
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
REV	REVERSE, REVISION
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
SCWD	SOLID CORE WOOD DOOR
SCHED	SCHEDULE
SECT	SECTION
SCD	SEE CIVIL DRAWINGS
SED	SEE ELECTRICAL DRAWINGS
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
SSD	SEE STRUCTURAL DRAWINGS
SEL	SELECT
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SGD	SLIDING GLASS DOOR
SGW	SLIDING GLASS WINDOW
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
TBD	TO BE DETERMINED
TBR	TO BE REMOVED
TMPD	TEMPERED
TEMP	TEMPORARY
T&G	TONGUE AND GROOVE
THK	THICK(NESS)
THRES	THRESHOLD
TOAP	TOP OF ASPHALT PAVING
TOCB	TOP OF CURB
TOCP	TOP OF CONCRETE PAVING
TOP	TOP OF PAVING
TOPL	TOP OF PLATE
TOW	TOP OF WALL
TOWK	TOP OF SIDEWALK
TS	TUBE STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VTR	VENT THROUGH ROOF
W/	WITH
WD	WOOD
WH	WATER HEATER, EWH (ELEC), GWH (GAS)
W/O	WITHOUT
WP	WATERPROOF(ING)
WWF	WELDED WIRE FABRIC
YD	YARD

APPLICABLE CODES & STANDARDS

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR (2021 IBC VOLS. 1 & 2 - AS AMENDED BY CA.)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR (2020 NEC - AS AMENDED BY CA.)
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR (2021 IAPMO UMC - AS AMENDED BY CA.)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR (2021 IAPMO UPC - AS AMENDED BY CA.)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, CCR
2022 CALIFORNIA HISTORICAL BUILDING CODE (CHBC), PART 8, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE (CFC),PART 9, TITLE 24, CCR (2021 IFC - AS AMENDED BY CA.)
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24, CCR (2021 IEC - AS AMENDED BY CA.)
2022 CALIFORNIA GREEN BUILDING CODE (CALGREEN), PART 11, TITLE 24, CCR
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24, CCR

The Project is located on sovereign Tribal land under Tribal jurisdiction. The Tribe is the Authority Having Jurisdiction (AHJ) for all building, life-safety, and fire requirements for the Project. State or local building departments and fire authorities do not have jurisdiction over the Project unless expressly authorized by the Tribe. The Tribe intends, as a matter of policy and preference, that the Project be designed to meet the 2022 editions of the California Building Code (CBC) and California Fire Code (CFC) only to the extent such Codes are adopted or accepted by the Tribe.

SCOPE OF WORK DESCRIPTION

THE YUROK YOUTH CENTER PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW THREE-STORY WOOD-FRAMED BUILDING ADJACENT TO THE EXISTING TRIBAL OFFICE FACILITY LOCATED IN WEITCHPEC, CALIFORNIA. THE BUILDING IS DESIGNED TO PROVIDE DEDICATED SPACE FOR YOUTH SERVICES IN CONFORMANCE WITH THE ALLCOVE MODEL - A YOUTH-DESIGNED DROP-IN CENTER PROGRAM PROVIDING INTEGRATED MENTAL HEALTH AND WELLNESS SERVICES - AS WELL AS SPACE FOR CULTURAL PROGRAMMING, ADMINISTRATIVE FUNCTIONS, AND COMMUNITY USES.

THE PROJECT IS SITUATED ON A SLOPED SITE, WITH THE BUILDING INTEGRATED INTO THE NATURAL TERRAIN AND SEPARATED FROM THE EXISTING STRUCTURE BY A FIRE-RESISTANCE-RATED WALL. THE FACILITY INCLUDES ASSEMBLY AND MEETING SPACES, OFFICES, SUPPORT SPACES, RESTROOMS, AND BUILDING SERVICE AREAS. EXTERIOR IMPROVEMENTS INCLUDE ACCESSIBLE PATHS OF TRAVEL, EMERGENCY VEHICLE ACCESS, GRADING AND LANDSCAPING, PARKING, STORMWATER MANAGEMENT SYSTEMS AND UTILITY IMPROVEMENTS, .

THE BUILDING IS OF WOOD-FRAMED CONSTRUCTION WITH DURABLE, LOW-MAINTENANCE EXTERIOR MATERIALS DESIGNED TO RESPOND TO LOCAL CLIMATE CONDITIONS AND COMPLY WITH WILDLAND-URBAN INTERFACE (WUI) REQUIREMENTS. THE PROJECT INCLUDES COORDINATION OF STRUCTURAL, MECHANICAL, ELECTRICAL, CIVIL, AND LANDSCAPE SYSTEMS AND IS SUBJECT TO APPLICABLE STATE AND LOCAL CODES AND THIRD-PARTY PLAN REVIEW.

SCOPE OF WORK INCLUDES:
- SIGNIFICANT EXCAVATION & GRADING;
- UNDERPINNING OF ADJACENT EXISTING CONSTRUCTION;
- REINFORCED CONCRETE SLABS, FOUNDATION WALLS, AND RETAINING WALLS;
- STRUCTURAL WOOD FRAMING, INCLUDING ENGINEERED LUMBER AND PRE-ENGINEERED WOOD TRUSSES;
- REINFORCED CMU FIRE WALL CONSTRUCTION;
- ALUMINUM CLAD WOOD WINDOWS AND ALUMINUM STOREFRONT ENTRY SYSTEMS;
- HOLLOW METAL DOOR FRAMES WITH HOLLOW METAL AND SOLID CORE WOOD DOORS;
- ASPHALT SHINGLES, SINGLE-PLY MEMBRANE, AND STANDING-SEAM METAL ROOFING SYSTEMS;
- ADHERED THIN STONE VENEER AND FIBER-CEMENT SIDING WITH BATTENS;
- COMPLETE MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS;
- NEW ASPHALTIC PARKING AND ACCESS DRIVES, NEW CONCRETE CURB AND GUTTERS, AND NEW CONCRETE WALKS;
- SITE GRADING, SEPTIC AND STORM WATER SYSTEMS, LANDSCAPING AND IRRIGATION.

DESIGN CRITERIA

SEISMIC DESIGN CATEGORY:	D
BASIC WIND SPEED:	93 MPH (V_{ULT})
SNOW LOAD:	30 PSF (ROOF SNOW LOAD NONREDUCIBLE)
MAXIMUM RAIN INTENSITY:	3" PER HOUR (100-YR EVENT)
FIRE HAZARD SEVERITY ZONE:	STATE RESPONSIBILITY AREA - VERY HIGH
CLIMATE ZONE:	2

DEFERRED APPROVALS

1) FIRE PLAN;
2) FIRE ALARM;
-

GENERAL NOTES

THE FOLLOWING ARE SUBJECT TO APPROVAL AND ACCEPTANCE OF YUROK TRIBE AS AUTHORITY HAVING JURISDICTION:

1. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CURRENTLY ADOPTED EDITION OF THE NATIONAL AND STATE BUILDING, ELECTRICAL, MECHANICAL, PLUMBING AND FIRE CODES AND ORDINANCES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS BEFORE COMMENCING WITH WORK. IF DIMENSION IS OMITTED, OR ANY DISCREPANCIES OCCUR, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING OR CONTINUING ANY CONSTRUCTION IN THE AREA OF CONCERN. DO NOT SCALE THESE DRAWINGS.
3. ALL DIMENSIONS ON DRAWINGS ARE TO THE FACE OF OR CENTERLINE OF FRAMING UNLESS NOTED OTHERWISE.
4. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO VERIFY ALL DIMENSIONS AND INSPECT CONDITIONS OF PRIOR WORK BEFORE PROCEEDING WITH ANY NEW WORK. PROCEEDING WITH NEW WORK SHALL CONSTITUTE ACCEPTANCE OF PRIOR WORK.
5. ALL EXISITING CONSTRUCTION AND LANDSCAPE FEATURES THAT ARE TO REMAIN AS PART OF THE PROJECT SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE PERIOD OF CONSTRUCTION WORK. ANY DAMAGED CONSTRUCTION OR FEATURES SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER, WITH MATERIALS EQUIVALENT OR SUPERIOR TO THE ORIGINAL ITEMS.
6. CONTRACTOR SHALL KEEP GENERAL RUBBISH AND DEBRIS CLEANED UP THROUGHOUT CONSTRUCTION TO MINIMIZE FIRE HAZARD.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE CONSTRUCTION DRAWINGS, THE CONTRACT SPECIFICATIONS AND, WHERE APPLICABLE, THE CITY STANDARDS AND THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
8. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE TRIBE'S USE OF THE FACILITIES AND OTHER CONTRACTORS WHO MAY BE DOING CONSTRUCTION WITHIN THE PROJECT SITE.
9. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY AUTHORITIES OR UTILITY COMPANIES HAVING POSSIBLE INTEREST IN THE WORK OF THE CONTRACTOR'S INTENTION TO EXCAVATE PROXIMATE TO EXISTING FACILITIES AND THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITIES IN THE WORK AREA, NOTIFY U.S.A. AT 1(800) 642-2444, TWO (2) DAYS PRIOR TO EXCAVATION.
10. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR PROJECT SITE CONDITIONS DURING CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.

PROJECT TEAM

ARCHITECT :
TRILOGY ARCHITECTURE
2055 PINE STREET
REDDING, CA 96001
(530) 243-3000
CONTACT: MARK R. VAN DENEND, PRINCIPAL

CIVIL:
PACE ENGINEERING
5155 VENTURE PARKWAY
REDDING, CA 96002
530.244.0202
CONTACT: RYAN TURNER

STRUCTURAL:
RIVERSTONE STRUCTURAL CONCEPTS
1435 ESPLANADE AVENUE
KLAMATH FALLS, OR 97601
541.884.4666
CONTACT: JAKE TIMMONS, PRINCIPAL

LANDSCAPE & SITE DESIGN:
EPT DESIGN
14988 SAND CANYON AVENUE, STUDIO 8
IRVINE, CA 92618
949.502.4500
CONTACT: CARRIE BINGHAM

OWNER :
YUROK TRIBE
190 KLAMATH BLVD
KLAMATH, CA 95548
(707) 482-1350
CONTACT: TOM HOPKINS

MECHANICAL:
PACE ENGINEERING
5155 VENTURE PARKWAY
REDDING, CA 96002
530.244.0202
CONTACT: ADAM MILLER, ASSOCIATE ENGINEER

ELECTRICAL :
PACE ENGINEERING
5155 VENTURE PARKWAY
REDDING, CA 96002
530.244.0202
CONTACT: BRYAN BARNES, SENIOR ENGINEER

GEOTECHNICAL:
CRAWFORD & ASSOCIATES, INC.
21 W. 4TH STREET
EUREKA, CA 95001
707.616.4303
CONTACT: GARY MANHART

PROJECT DATA & CODE ANALYSIS

USE & OCCUPANCY CLASSIFICATION:	**Mixed-Use**
- PRIMARY USE	**B** (Wellness/Mental Health Services)
- ACCESSORY USE	**A-3** (Community Room)
SEPARATION:	Non-Separated
CONSTRUCTION TYPE:	**III-A**
- PRIMARY STRUCTURAL FRAME	1 HR
- EXTERIOR WALLS	2 HR
* RATED FROM INSIDE ONLY PER TABLE 705.5 WITH SEPARATION DISTANCE GREATER THAN 30 FT	
- INTERIOR WALLS	1 HR
- FLOOR CONSTRUCTION	1 HR
- ROOF CONSTRUCTION	1 HR
FIRE SPRINKLERS:	**Unsprinklered**
HEIGHT:	**OK**
- ALLOWED (per CBC Section 504.3 for III-A, NS)	65'
- PROPOSED	340.33 - 303.75 = 36'-7"
STORIES:	**OK**
- ALLOWED (per CBC Section 504.5 for III-A, NS)	3
- PROPOSED (midpoint of roof slope - average grade plane)	3
ALLOWABLE AREA:	**OK**
- AREA FACTOR (per CBC Section 506.2 for III-A, NS)	14,000 SF
- AREA INCREASE FACTOR (FRONTAGE per CBC Table 506.3.3)	0.50
- ALLOWABLE AREA PER FLOOR ($A_a = A_t \times (1 + I_f)$)	21,000 SF
- TOTAL ALLOWABLE AREA	63,000 SF
- TOTAL PROPOSED AREA	10,866 SF

SYMBOLS LEGEND

- 1 — REFERENCE GRID NUMBER OR LETTER
- 1 / A8.1 — DETAIL NUMBER
- 2 / A4.1 — SECTION NUMBER
- 2 / A4.1 — ELEVATION NUMBER
- 1 / A6.1 — INTERIOR ELEVATION NUMBER
- AREA SHOWN DETAILED
- KITCHEN 101 — ROOM NAME AND NUMBER
- D101 — DOOR SYMBOL
- W1 — WINDOW SYMBOL
- 1 — KEYNOTE SYMBOL
- WA.1/FB/6CL/*1 — WALL TYPE SYMBOL
- ELEVATION DATUM
- AREA REVISED
- 1 — REVISION NUMBER

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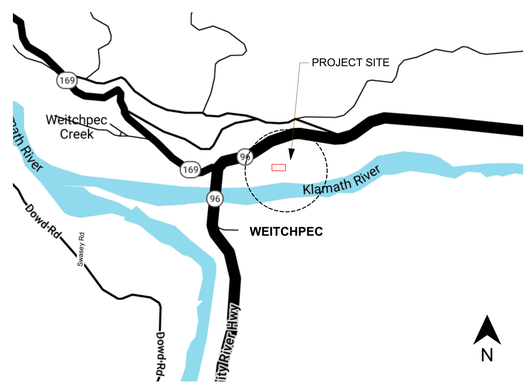
T203	UPPER LEVEL TELECOMMUNICATIONS PLAN

VICINITY MAP



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2055 PINE STREET, REDDING, CA 96001
t: 530.243.3000
www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT
TIMOTHY R. VAN DENEND
BID SET
07-31-2026
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96 WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO.	C1276
DATE:	23-APR-2026
ISSUE:	FOR BID

SHEET NO.

G000

TITLE SHEET

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2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (July 2024 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 *et seq.* for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES
DIVISION 5.1 PLANNING AND DESIGN
SECTION 5.101 GENERAL

5.101.1 SCOPE
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

ELECTRIC VEHICLE (EV). [BSC-CG, HCD] An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the California Electrical Code, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats and the like, are not included.

ELECTRIC VEHICLE (EV) CAPABLE SPACE. [BSC-CG, DSA-SS and HCD] A vehicle space with electrical panel space and load capacity to support a branch circuit and necessary raceways, both underground and/or surface mounted, to support EV charging.

ELECTRIC VEHICLE (EV) CHARGER. [BSC-CG, HCD] Off-board charging equipment used to charge an electric vehicle.

ELECTRIC VEHICLE CHARGING SPACE (EV SPACE). [HCD] A space intended for future installation of EV charging equipment and charging of electric vehicles.

ELECTRIC VEHICLE CHARGING STATION (EVCS). [BSC-CG, DSA-SS, HCD] One or more electric vehicle charging spaces served by EVSE or receptacle(s).

ELECTRIC VEHICLE (EV) READY SPACE. [HCD] A vehicle space which is provided with a branch circuit; any necessary raceways, both underground and/or surface mounted; to accommodate EV charging, terminating in a receptacle or a charger.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).[BSC-CG, DSA-SS and HCD] The conductors, including the ungrounded, grounded and equipment grounding conductors and the electric vehicle connectors, attachment plugs, personnel protection system, and all other fittings, devices, power outlets or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

SECTION 5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES

5.105.1 Scope. [BSC-CG] Effective July 1, 2024, alteration(s) to existing building(s) where the combined altered floor area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 100,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3. Effective January 1, 2026, the combined floor area shall be 50,000 square feet or greater.

[DSA-SS] Alteration(s) to existing building(s) where the combined altered floor area is 50,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 50,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3.

Exception [BSC-CG, DSA-SS]: Combined addition(s) to existing building(s) of two times the area or more of the existing building(s) is not eligible to meet compliance with Section 5.105.2.

5.105.2 Reuse of existing building. An alteration or addition to an existing building shall maintain at a minimum 45 percent combined of the existing building's primary structural elements (foundations; columns, beams, walls, and floors; and lateral elements) and existing building enclosure (roof framing, wall framing and exterior finishes). Window assemblies, insulation, portions of buildings deemed structurally unsound or hazardous, and hazardous materials that are remediated as part of the project shall not be included in the calculation.

5.105.2.1 Verification of compliance. Documentation shall be provided in the construction documents to demonstrate compliance with Section 5.105.2.

Note: Sample Worksheet WS-3 in Chapter 8 may be used to assist in documenting compliance with this section.

5.105.3 Deconstruction (Reserved).

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5. 106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] [BSC-CG] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 EV capable spaces, Section 5.106.5.3.2 Electric vehicle charging stations and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 Electric vehicle charging stations (EVCS)—Power allocation method and associated Table 5.106.5.3.6 and shall be provided in accordance with regulations in the *California Building Code* and the *California Electrical Code*.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section.

5.106.5.3.1 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:
1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box,enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.
2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TABLE 5.106.5.3.1		
TOTAL NUMBER OF ACTUAL PARKING SPACES	**NUMBER OF REQUIRED EV CAPABLE SPACES**	**NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)[A,2]**
0-9	0	0
10-25	2	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20 percent of actual parking spaces[1]	25 percent of EV capable spaces[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.
2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count toward the total number of required EV capable spaces shown in column 2.
3. At least one Level 2 EVSE shall be provided.

5.106.5.3.2 Electric vehicle charging stations (EVCS) EV capable spaces shall be provided with electric vehicle supply equipment (EVSE) to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 shall be provided with Level 2 EVSE or DCFC as permitted in Section 5.106.5.3.2.1. At least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.2.1 The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE or EVCS with Level 2 EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.2.2 The installation of two low power Level 2 EV charging receptacles shall be permitted to reduce the minimum number of required EV capable spaces without EVSE in Table 5.106.5.3.1 by one.

5.106.5.3.3 Use of automatic load management systems (ALMS).
ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS.
When EVSE is installed, accessible EVSC shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.

Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.3.4 Accessible electric vehicle charging station (EVCS). When EVSE is installed, accessible EVCS shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.

5.106.5.3.5 Electric vehicle charging station signage. Electric vehicle charging stations shall be identified by signage or pavement markings in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

Power allocation method shall include the following:
1. Use any kVA combination of EV capable spaces, low power Level 2, Level 2 or DCFC EVSEs.
2. At least one Level 2 EVSE shall be provided.

5.106.5.3.6 Electric vehicle charging stations (EVCS)—power allocation method. The power allocation method may be used as an alternative to the requirements in Section 5.106.5.3.1, Section 5.106.5.3.2 and associated Table 5.106.5.3.1. Use Table 5.106.5.3.6 to determine the total power in kVA required based on the total number of actual parking spaces.

TABLE 5.106.5.3.6		
TOTAL NUMBER OF ACTUAL PARKING SPACES	**MINIMUM TOTAL kVA @ 6.6 kVA**	**TOTAL kVA REQUIRED IN ANY COMBINATION OF EV CAPABLE,3,4 LOW POWER LEVEL 2, LEVEL 2, 1, 2 OR DCFC**
0-9	0	0
10-25	26.4	26.4
26-50	52.8	52.8
51-75	85.8	85.8
76-100	112.2	112.2
101-150	165	165
151-200	231	231
201 AND OVER	20 percent of actual parking spaces x 6.6	Total required kVA = P × 20 × 6.6 Where P = Parking spaces in facility

1. Level 2 EVSE @ 6.6 kVA minimum.
2. At least one Level 2 EVSE shall be provided.
3. Maximum allowed kVA to be utilized for EV capable spaces is 75 percent.
4. If EV capable spaces are utilized, they shall meet the requirements of Section 5.106.5.3.1 EV capable spaces.

5.106.5.4 Additions or alterations to existing buildings or parking facilities [A]. [BSC-CG] Existing buildings or parking facilities being modified by one of the following shall comply with Section 5.106.5.4.1 or 5.106.5.4.2. When EVSE is installed, accessible EVCS shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.

1. When the scope of construction work includes an increase in power supply to an electric service panel as part of a parking facility addition or alteration.
2. When a new photovoltaic system is installed covering existing parking spaces.
3. When additions or alterations to existing buildings are triggered pursuant to code Section 301.3 and the scope of work includes an increase in power supply to an electric service panel.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
   d. Where demonstrated as impracticable excluding local utility service or utility infrastructure issues.
2. Remote parking facilities that do not have access to the building service panel.
3. Parking area lighting upgrades where no trenching is part of the scope of work.
4. Emergency repairs, including but not limited to water line break in parking facilities, natural disaster repairs, etc.

5.106.5.4.1 Existing buildings or parking areas without previously installed EV capable infrastructure [A]. When EV capable infrastructure does not exist at an existing parking facility or building, and the parking facility or building undergoes an addition or alteration listed in Section 5.106.5.4, construction shall include electric vehicle charging in compliance with either Section 5.106.5.3 and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 and associated Table 5.106.5.3.6 for the total number of actual parking spaces being added or altered.

5.106.5.4.2 Existing buildings or parking areas with previously installed EV capable infrastructure [A]. When EV capable infrastructure is available at an existing parking facility or building, and the parking facility or building is undergoing an addition or alteration listed in Section 5.106.5.4, construction shall include electric vehicle charging in compliance with either Section 5.106.5.3 and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 and associated Table 5.106.5.3.6 utilizing the existing EV capable allocated power and infrastructure for the total number of actual parking spaces being added or altered. If the area being added or altered exceeds the existing EV capable capacity, allocated power and infrastructure, provide additional EV charging as needed to comply with this section.

5.106.5.5 Electric vehicle (EV) charging: medium-duty and heavy-duty. [N] [BSG-CG] Construction shall comply with Section 5.106.5.5.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores, office buildings, and manufacturing facilities with planned off-street loading spaces shall also comply with Section 5.106.5.5.1 for future installation of medium- and heavy-duty EVSE.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code*, the *California Electrical Code* and as follows:

5.106.5.5.1 Electric vehicle charging readiness requirements for warehouses, grocery stores, office buildings, and manufacturing facilities and retail stores with planned off-street loading spaces. [N]

In order to avoid future demolition when adding EV supply and distribution equipment, spare raceway(s) or busway(s) and adequate capacity for transformer(s), service panel(s) or subpanel(s) shall be installed at the time of construction in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The transformer, main service equipment and subpanels shall meet the minimum power requirement in Table 5.106.5.5.1 to accommodate the dedicated branch circuits for the future installation of EVSE.

2. The construction documents shall indicate one or more location(s) convenient to the planned off-street loading space(s) reserved for medium- and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s), as shown in Table 5.106.5.5.1.

3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium- and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipment for medium- and heavy-duty vehicles.

4. The raceway(s) or busway(s) shall be of sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.5.1.

TABLE 5.106.5.5.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]			
BUILDING TYPE	**BUILDING SIZE (SQ. FT.)**	**NUMBER OF OFF-STREET LOADING SPACES**	**ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL**
Grocery	10,000 to 90,000	1 or 2	200
		3 or Greater	400
	Greater than 90,000	1 or Greater	400
Manufacturing Facilities	10,000 to 50,000	1 or 2	200
	10,000 to 50,000	3 or Greater	400
	Greater than 50,000	1 or Greater	400
Office Buildings	10,000 to 135,000	1 or 2	200
	10,000 to 135,000	3 or Greater	400
	Greater than 135,000	1 or Greater	400
Retail	10,000 to 135,000	1 or 2	200
		3 or Greater	400
	Greater than 135,000	1 or Greater	400
Warehouse	20,000 to 256,000	1 or 2	200
		3 or Greater	400
	Greater than 256,000	1 or Greater	400

5.106.5.6 Electric vehicle (EV) charging at public schools and community colleges. [DSA-SS] Electric vehicle infrastructure and electric vehicle charging stations shall comply with Section 5.106.5.6 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

Exceptions:
1. On a case-by-case basis where compliance with this section has been demonstrated to be not feasible based upon one of the following conditions,and with concurrence by the Division of the State Architect (DSA), compliance with Section 5.106.5.6 shall not be required.
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. The installation of EVCS is impracticable.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with Section 5.106.5.6.

5.106.5.6.1 EV capable spaces. EV capable spaces shall be provided in accordance with Table 5.106.5.6.1 and the following requirements:

1. Raceways complying with the California Electrical Code and no less than 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area and shall terminate in close proximity to the proposed location of the EV capable space and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV capable spaces.

2. A service panel or subpanel(s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.

3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.

4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective device space(s) as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

TABLE 5.106.5.6.1		
TOTAL NUMBER OF ACTUAL PARKING SPACES	**NUMBER OF REQUIRED EV CAPABLE SPACES**	**NUMBER OF REQUIRED EVCS[2]**
0-9	0	0
10-25	4	1
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20 percent of total spaces[1]	25 percent of EV capable spaces[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.
2. Each EVCS shall reduce the number of required EV capable spaces by the same number.

5.106.5.6.2 Electric vehicle charging stations (EVCS). EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.6.1 and shall comply with Section 5.106.5.6.2. EVCS shall be serviced by Level 2 or Direct Current Fast Charging (DCFC) EVSE, or with EVSE in any combination of Level 2 and DCFC. Accessible EVCS shall be provided in accordance with *California Building Code* Chapter 11B.

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ARCHITECT'S STAMP

LICENSED ARCHITECT MARC R. VAN GENDEREN
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

G001

GREEN CODE MANDATORY MEASURES

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2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (July 2024 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

5.106.5.6.2.1 Reduced number of EV capable spaces. The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces indicated in Table 5.106.5.6.1 by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.6.2.2 Multiple connectors. EVSE with multiple vehicle connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.6.1 for each EV capable space is accumulatively supplied to the EVSE.

5.106.5.6.2.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS installed in accordance with Section 5.105.5.6.2. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.6.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.6.3 EVCS alternative compliance. In lieu of compliance with Section 5.106.5.6.2, EVCS shall be provided with Level 1, low power Level 2, or Level 2, or any combination of Level 1, low power Level 2 or Level 2 EVSE such that the total power supplied by the combination of EVSE meets the minimum power indicated in Table 5.106.5.6.3, based on the total number of actual parking spaces in each parking facility.

TABLE 5.106.5.6.3

NUMBER OF PARKING SPACES IN A PARKING FACILITY	MINIMUM TOTAL POWER (KVA) REQUIRED FOR EVCS
0-9	0
10-25	7
26-50	14
51-75	20
76-100	27
101-150	40
151-200	60
201 AND OVER	Total required KVA = P × .05 × 6.6 Where P = Parking spaces in facility

5.106.5.6.4 EVCS for alterations of or additions to parking facilities. Alterations of or additions to parking facilities shall provide EVCS in compliance with Section 5.106.5.6.4. The installation of infrastructure for EV capable spaces required to be provided without EVSE shall not be required.

5.106.5.6.4.1 Alterations of and additions to parking facilities. EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or minimum power indicated in Table 5.106.5.6.3 when the scope of work includes an increase in power supply to an electric panel serving light fixtures illuminating the parking area or when area containing parking spaces is added to a parking facility. The number of required EVCS shall be based on the total number of existing and new parking spaces in the parking facility.

5.106.5.6.4.2 Alterations consisting of the installation of photovoltaic systems. EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or maximum power indicated in Table 5.106.5.6.3 when a new photovoltaic system is installed in an existing parking facility.

5.106.5.6.5 Requirement to install EVSE. Level 2 EVSE shall be provided in all existing EV capable spaces to create EVCS when a project is required by California Administrative Code Section 4-309 to be submitted for plan approval to the Division of the State Architect. When EVSE is installed in existing EV capable spaces, accessible EVCS shall be provided in accordance with *California Building Code* Chapter 11B.

Exception: Projects in which improvements in parking areas consist only of accessibility improvements are not required to comply with Section 5.106.5.6.5.

5.106.8 LIGHT POLLUTION REDUCTION. [N]. Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.
5. Luminaires with less than 6,200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING 3					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting 3	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING 3 (G)					
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G1	G2	G3	G4
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G1	G1	G2
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G0	G1	G1
MAXIMUM ALLOWABLE GLARE RATING 3 (G)	N/A	G0	G0	G0	G1

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *Califinria Administrative Code.*

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet *U-value* limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight
Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.

Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare.
For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

Note: [N]
1.See also *California Building Code*, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the *California Building Code* for requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.
   Exception: Additions and alterations not altering the drainage path.

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions:
1. Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.
2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope [BSC-CG]. ***California Energy Code [DSA-SS].*** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 *(and are included here for reference)*

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

SECTION 5.303 INDOOR WATER USE

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.
5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

5.303.3.3 Showerheads. [BSC-CG]
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.
5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.3.4.6 Pre-rinse spray value
When installed, shall meet the requirements in the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (d)(7), and shall be equipped with an integral automatic shutoff.

FOR REFERENCE ONLY: The following table and code section have been reprinted from the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2

STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019	
PRODUCT CLASS [spray force in ounce force (ozf)]	**MAXIMUM FLOW RATE (gpm)**
Product Class 1 (≤ 5.0 ozf)	1.00
Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)	1.20
Product Class 3 (> 8.0 ozf)	1.28

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter specify the requirements of achieving material conservation, resource efficiency, and greenhouse gas (GHG) emission reduction through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, the installation of products with lower GHG emissions and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

BUY CLEAN CALIFORNIA ACT (BCCA). The Buy Clean California Act (BCCA) (Public Contract Code Sections 3500-3505) targets carbon emissions associated with the production of structural steel (hot-rolled sections, hollow structural sections, and plate), concrete reinforcing steel, flat glass, and mineral wool board insulation. The maximum acceptable global warming potential (GWP) limits are established by the Department of General Services (DGS), in consultation with the California Air Resources Board (CARB).

CRADLE-TO-GRAVE. Activities associated with a product or building's life cycle from the extraction stage through disposal stage, and covering modules A1 through C4 in accordance with ISO Standards 14025 and 21930.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

REFERENCE STUDY PERIOD. The period of use for the building, in years, that will be assumed for life cycle assessment.

TEST. A procedure to determine quantitative performance of a system or equipment

TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD). A third-party verified report that summarizes how a product impacts the environment. Type III EPDs can be either product-specific, factory-specific, or industry-wide EPDs. See "Cradle-to-Gate."

FACTORY-SPECIFIC EPD. A product-specific Type III EPD in which the environmental impacts can be attributed to a single manufacturer and manufacturing facility.

INDUSTRY-WIDE EPD (IW-EPD). A Type III EPD in which the environmental impacts are an average of the typical manufacturing impacts for a range of products within the same product category for a group of manufacturers.

PRODUCT-SPECIFIC EPD. A Type III EPD in which the environmental impacts can be attributed to a product design and manufacturer across multiple facilities.

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.409 LIFE CYCLE ASSESSMENT

5.409.1 SCOPE. [BSC-CG] Effective July 1, 2024, projects consisting of newly constructed building(s) with a combined floor area of 100,000 square feet or greater shall comply with either Section 5.409.2 or Section 5.409.3. Alteration(s) to existing building(s) where the combined altered floor area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 100,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3. Effective January 1, 2026, the combined floor area shall be 50,000 square feet or greater.

[DSA-SS] Projects consisting of newly constructed building(s) with a combined floor area of 50,000 square feet or greater shall comply with either Section 5.409.2 or Section 5.409.3. Alteration(s) to existing building(s) where the combined altered floor area is 50,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3. Addition(s) to existing building(s) where the total floor area combined with the existing building(s) is 50,000 square feet or greater shall comply with either Section 5.105.2, Section 5.409.2, or Section 5.409.3.

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ARCHITECT'S STAMP

LICENSED ARCHITECT
TAMRA R. VAN GENDEREN
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

G002

GREEN CODE MANDATORY MEASURES (1)

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2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (July 2024 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

5.409.2 Whole building life cycle assessment. Projects shall conduct a cradle-to-grave whole building life cycle assessment performed in accordance with ISO 14040 and ISO 14044, excluding operating energy, and demonstrating a minimum 10-percent reduction in global warming potential (GWP) as compared to a reference baseline building of similar size, function, complexity, type of construction, material specification, and location that meets the requirements of the California Energy Code currently in effect. Software used to conduct the whole building life cycle assessment, including reference baseline building, shall have a data set compliant with ISO 14044, and ISO 21930 or EN 15804, and the software shall conform to ISO 21931 and/or EN 15978. The software tools and data sets shall be the same for evaluation of both the baseline building and the proposed building.

Notes:
1. Software for calculating whole building life cycle assessment is available for free at Athena Sustainable Materials Institute (https://calculatelca.com/software/impact-estimator/) and OneClick LCA-Planetary (www.oneclicklca.com/planetary). Paid versions include, but are not limited to, Sphera GaBi Solutions (gabi.sphera.com), SimaPro (simapro.com), One-Click LCA (www.oneclicklca.com) and Tally for Revit (apps.autodesk.com).

2. ASTM E2921-22 "Standard Practice for Minimum Criteria for Comparing Whole Building Life Cycle Assessments for Use with Building Codes, Standards, and Rating Systems" may be consulted for the assessment.

3. In addition to the required documentation specified in Section 5.409.2.3, Worksheet WS-9 may be required by the enforcing entity to demonstrate compliance with the requirements.

5.409.2.1 Building components. Building enclosure components included in the assessment shall be limited to glazing assemblies, insulation, and exterior finishes. Primary and secondary structural members included in the assessment shall be limited to footings and foundations, and structural columns, beams, walls, roofs, and floors.

5.409.2.2 Reference study period. The reference study period of the proposed building shall be equal to the reference baseline building and shall be 60 years.

5.409.2.3 Verification of compliance. A summary of the GWP analysis produced by the software and Worksheet WS-4 signed by the design professional of record shall be provided in the construction documents as documentation of compliance. A copy of the whole building life cycle assessment which includes the GWP analysis produced by the software, in addition to maintenance and training information, shall be included in the operation and maintenance manual and shall be provided to the owner at the close of construction. The enforcing agency may require inspection and inspection reports in accordance with Sections 702.2 and 703.1 during and at completion of construction to demonstrate substantial conformance. Inspection shall be performed by the design professional of record or third party acceptable to the enforcing agency.

5.409.3 Product GWP compliance—prescriptive path. Each product that is permanently installed and listed in Table 5.409.3 shall have a Type III environmental product declaration (EPD), either product-specific or factory-specific.

TABLE 5.409.3
PRODUCT GWP LIMITS

BUY CLEAN CALIFORNIA MATERIALS PRODUCT CATEGORY[1]	MAXIMUM ACCEPTABLE GWP VALUE (unfabricated) ($GWP_{allowed}$)	UNIT OF MEASUREMENT
Hot-rolled structural steel sections	1.77	MT CO_2e/MT
Hollow structural sections	3.00	MT CO_2e/MT
Steel plate	2.61	MT CO_2e/MT
Concrete reinforcing steel	1.56	MT CO_2e/MT
Flat glass	2.50	MT CO_2e/MT [4]
Light-density mineral wool board insulation	5.83	kg CO_2e/MT
Heavy-density mineral wool board insulation	14.28	kg CO_2e/MT
Concrete, Ready-Mixed[2], [3]		
CONCRETE PRODUCT CATEGORY	**MAXIMUM GWP ALLOWED VALUE ($GWP_{allowed}$)**	**UNIT OF MEASUREMENT**
up to 2499 psi	450	kg CO_2e/m^3
2500−3499 psi	489	kg CO_2e/m^3
3500−4499 psi	566	kg CO_2e/m^3
4500−5499 psi	661	kg CO_2e/m^3
5500−6499 psi	701	kg CO_2e/m^3
6500 psi and greater	799	kg CO_2e/m^3
Concrete, Lightweight Ready-Mixed[2]		
CONCRETE PRODUCT CATEGORY	**MAXIMUM GWP ALLOWED VALUE ($GWP_{allowed}$)**	**UNIT OF MEASUREMENT**
up to 2499 psi	875	kg CO_2e/m^3
2500−3499 psi	956	kg CO_2e/m^3
3500−4499 psi	1039	kg CO_2e/m^3

1. The GWP values of the products listed in Table 5.409.3 are based on 175 percent of Buy Clean California Act (BCCA) GWP values, except for concrete products which are not included in the BCCA.
2. For concrete, 175 percent of the National Ready Mixed Concrete Association (NRMCA) 2022 version 3 Pacific Southwest regional benchmark values are used for the GWP allowed, except for High Early Strength.
3. Concrete High Early Strength ready-mixed shall be calculated at 130 percent of the ready-mixed concrete GWP allowed values for each product category.
4. The GWP unit for flat glass has been adjusted to correct an error in the express terms. With the revised unit (MT CO2e/MT), reported GWP values will align with industry data as published in the CLF North American Material Baselines (2023).

5.409.3.1 Products shall not exceed the maximum GWP value specified in Table 5.409.3.

Exception: Concrete may be considered one product category to meet compliance with this section. A weighted average of the maximum GWP for all concrete mixes installed in the project shall be less than the weighted average maximum GWP allowed per Table 5.409.3 using Exception Equation 5.409.3.1. Calculations shall be performed with consistent units of measurement for the material quantity and the GWP value.

For the purposes of this exception, industry-wide EPDs are acceptable.

Exception EQUATION 5.409.3.1

$GWP_n < GWP_{allowed}$
where
$GWP_n = \Sigma\ (GWP_n)(v_n)$
and
$GWP_{allowed} = \Sigma\ (GWP_{allowed})(v_n)$
and
$_n$ = each concrete mix installed in the project
GWP_n = the GWP for concrete mix $_n$ per concrete mix EPD, in kg CO2e/m3
$GWP_{allowed}$ = the GWP potential allowed for concrete mix $_n$ per Table 5.409.3
v_n = the volume of concrete mix $_n$ installed in the project, in m3

5.409.3.2 Verification of compliance. Calculations to demonstrate compliance, Type III EPDs for products required to comply, if included in the project, and Worksheet WS-5 signed by the design professional of record shall be provided on the construction documents. Updated EPDs for products used in construction shall be provided to the owner at the close of construction and to the enforcement entity upon request. The enforcing agency may require inspection and inspection reports in accordance with Sections 702.2 and 703.1 during and at completion of construction to demonstrate substantial conformance. Inspection shall be performed by the design professional of record or third party acceptable to the enforcing agency.

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area or room which does not provide heating and/or air conditioning.

Informational Notes:

1. . Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requests of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:

1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:

1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32^{0} Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the *California Electrical Code*, off-road, self-propelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCS)]. One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O^3/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

5.503.1 FIREPLACES. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

5.504.1 TEMPORARY VENTILATION. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:
1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dioride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, *of California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]
Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

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2055 PINE STREET, REDDING, CA 96001
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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARK R. VAN DENBURG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

G003

GREEN CODE MANDATORY MEASURES (2)

DISCLAIMER:*THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

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2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 4 (July 2024 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER; CONTRACTOR; INSPECTOR ETC.)

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:
1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems.
All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.
2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350)

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation
Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance.
Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

5.504.4.8 Acoustical ceiling and wall panels.
Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, " Version 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

5.506.3 Carbon dioxide (CO2) monitoring in classrooms.
(DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the *California Energy Code,* shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements:
1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows.
2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.
3. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1,100ppm.
4. The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration.
5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.
6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior soundlevels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valve Valves and fittings shall comply with the *California Mechanical Code* and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

DISCLAIMER: THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.

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ARCHITECT'S STAMP

LICENSED ARCHITECT TAMRE R. VAN GENDEREN
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

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REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
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PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

G004

GREEN CODE MANDATORY MEASURES

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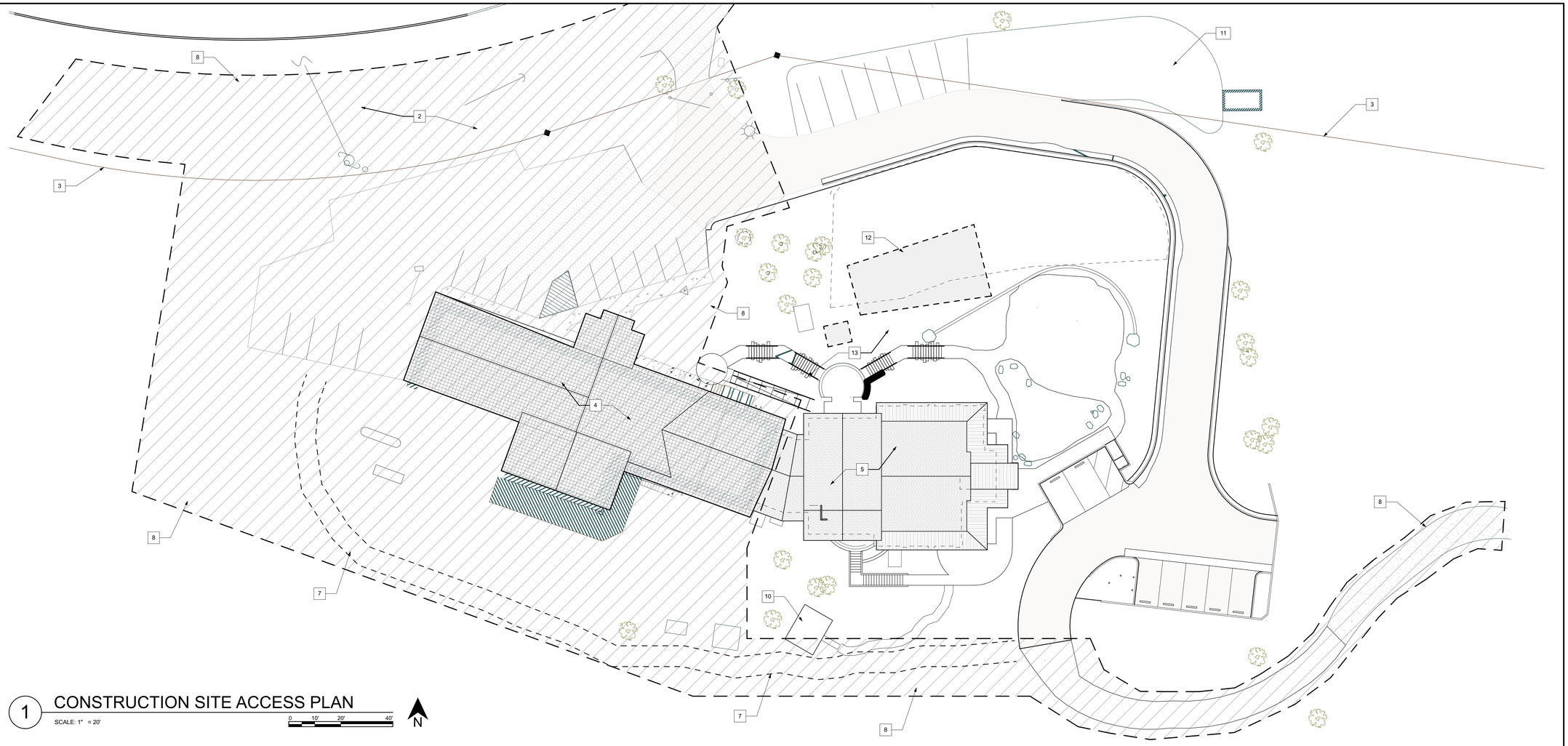


1 CONSTRUCTION SITE ACCESS PLAN

SCALE: 1" = 20'

0 10' 20' 40'

N

SITE USAGE NOTES:

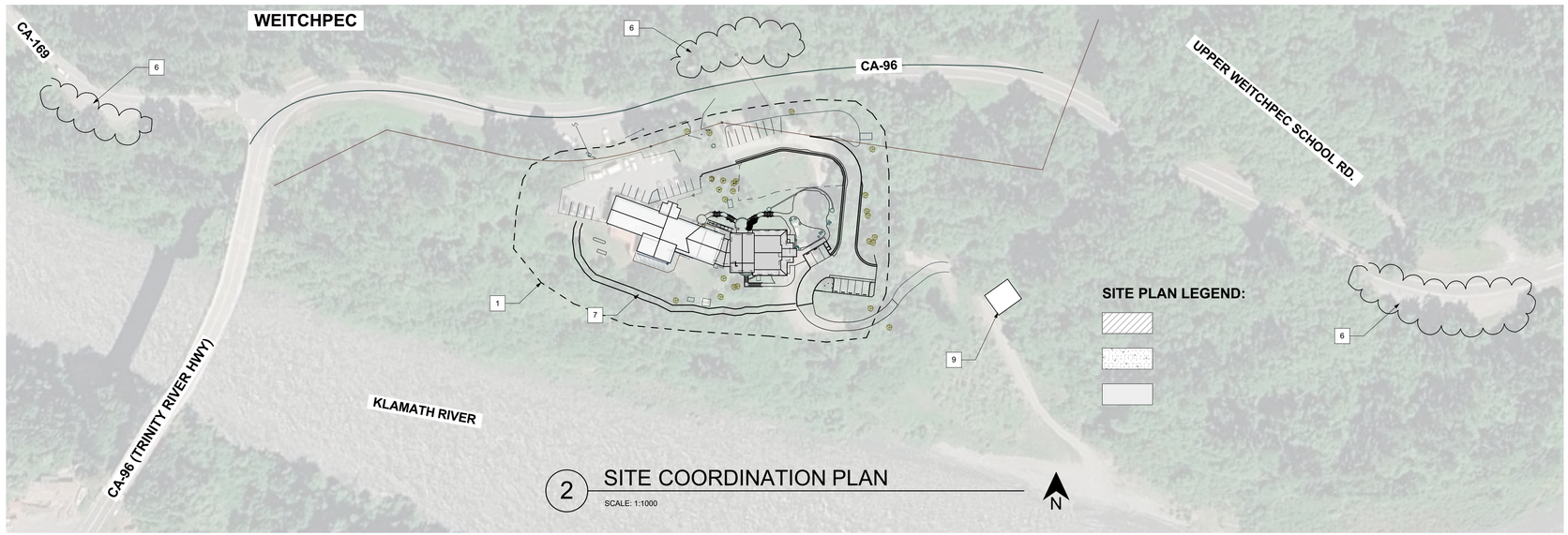
NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:

- REFER TO CIVIL, LANDSCAPE, MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ADDITIONAL WORK.

KEYED:

1. PROJECT SITE.
2. NO CONSTRUCTION PARKING ALONG EDGE OF PROPERTY IN THIS AREA - RESERVE FOR TRIBE, STAFF AND VISITORS.
3. CALTRANS RIGHT-OF-WAY LINE.
4. (E) BUILDING(S) - HATCHED (TYP).
5. PROPOSED BUILDING.
6. CLOUDED AREA IS POSSIBLE OFF-SITE PARKING AREA FOR CONSTRUTION PERSONNEL.
7. TEMPORARY ACCESS TO RIVER. -EXTEND (E) GENERATOR PROPANE TANK ACCESS IF NECESSARY DURING SITE WORK TO ALLOW FOR CONTINUOUS ACCESS TO RIVER FOR FISHERIES DEPARTMENT. COORDINATE WITH FISHERIES DEPARTMENT AND OWNER'S REP.
8. (E) BUILDINGS AND PARKING AREAS WITHIN THIS AREA TO REMAIN OPEN AND ACCESSIBLE TO TRIBE AND VISITORS AND AT ALL TIMES DURING CONSTRUCTION.
9. PROPOSED STAGING AREA FOR FISHERIES DEPARTMENT.
10. PROPOSED RECESSED PAD FOR SWEATHOUSE CONSTRUCTION (SWEATHOUSE BY OTHERS). PAD TO BE 36" MAX. BELOW (E) ADJACENT GRADE. REFER TO CIVIL.
11. POSSIBLE CONSTRUCTION STAGING AREA THAT IS CURRENTLY USED BY FISHERIES DEPARTMENT FOR STAGING OF EQUIPMENT. PROVIDE ALTERNATE AREA (PER NOTE '9') PRIOR TO UTILIZING FOR CONSTRUCTION ACITIVITIES. COORDINATE WITH OWNER.
12. (E) SEPTIC SYSTEM (TANKS, PUMPS, LEECH FIELD) IN THIS AREA. COORDINATE WITH PROPOSED WORK TO ALLOW FOR CONTINUED USE OF (E) BUILDING AND TOILET FACILITIES UNTIL (N) SEPTIC SYSTEM IS FUNCTIONAL.
13. CONFIRM LOCATIONS OF (E) UNDERGROUND TANKS AND PIPING IN THIS AREA PRIOR TO COMMENCING WORK.
14. -



2 SITE COORDINATION PLAN

SCALE: 1:1000

N

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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARK R. VAN DENBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

G100

CONSTRUCTION SITE PLAN

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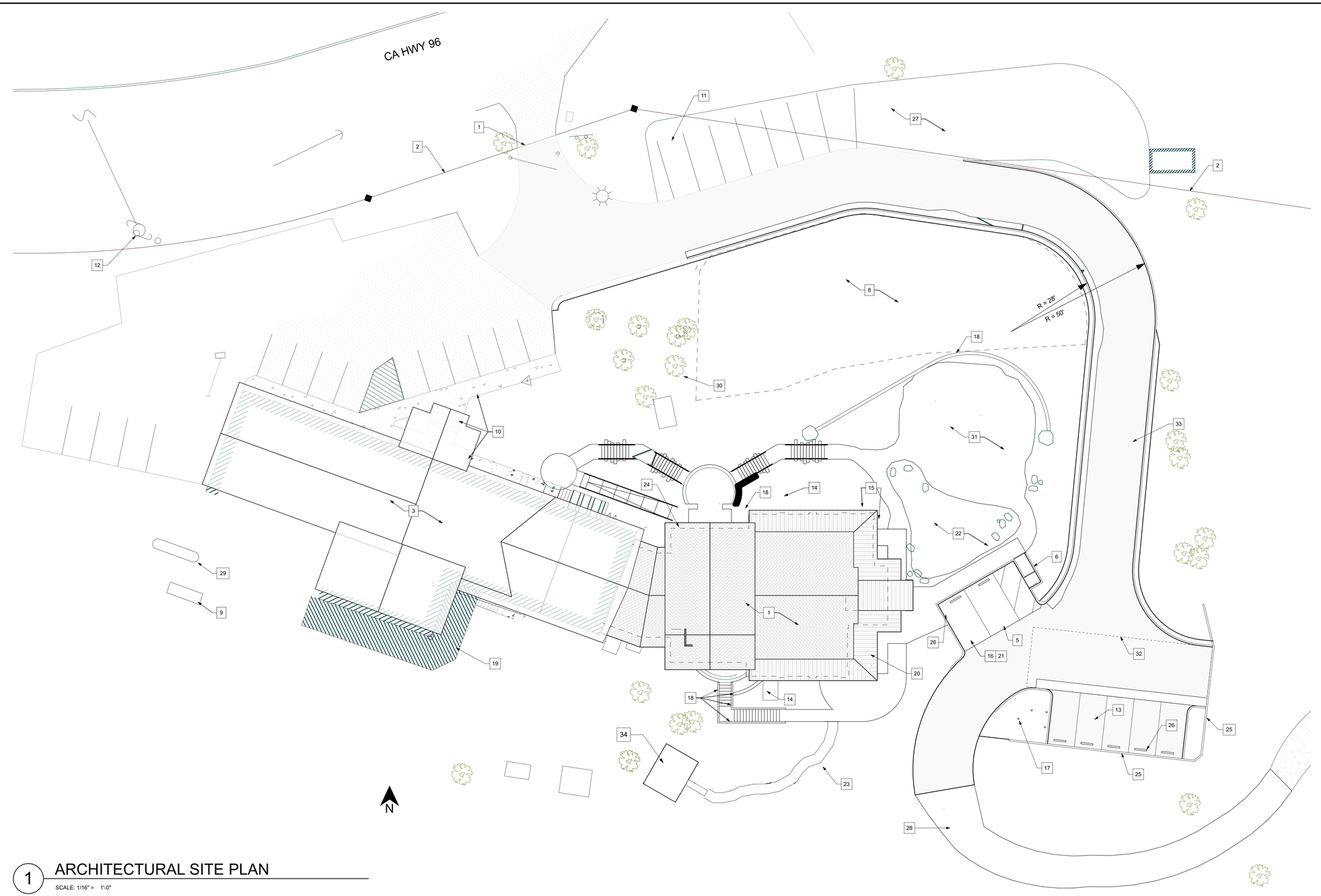

1 ARCHITECTURAL SITE PLAN

SCALE: 1/16" = 1'-0"

SITE PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:

- REFER TO CIVIL, LANDSCAPE, MECHANICAL, PLUMBING AND ELECTRICAL DOCUMENTS FOR ADDITIONAL WORK.

KEYED:

1. PROPOSED BUILDING.
2. CALTRANS RIGHT-OF-WAY LINE.
3. (E) BUILDING (SHADED).
4. (N) CONCRETE WALK (SEE LANDSCAPE AND CIVIL DOCUMENTS).
5. (N) ACCESSIBLE PARKING STALL STRIPING AND MARKINGS (SEE DETAIL #/A### LANDSCAPE AND CIVIL DOCUMENTS).
6. (N) CURB RAMP WITH DETECTABLE WARNING (SEE DETAIL #/A####, LANDSCAPE AND CIVIL DOCUMENTS).
7. ACCESSIBLE PATH OF TRAVEL.
8. (N) SEPTIC SYSTEM IN THIS AREA (REFER TO CIVIL).
9. FUTURE GENERATOR (SEE ELECTRICAL).
10. (E) CONCRETE WALKWAY TO REMAIN (REFER TO ALTERNATE BIDS).
11. (N) ELECTRICAL EQUIPMENT & CONCRETE PAD (SEE ELECTRICAL).
12. APPROXIMATE LOCATION OF (E) ELECTRICAL SERVICE TO ADJACENT BUILDING TO REMAIN. PROTECT FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION.
13. PROPOSED LOCATION OF (N) UNDERGROUND FIRE WATER STORAGE TANK AND FIRE DEPARTMENT CONNECTIONS.
14. REFER TO PLUMBING DOCUMENTS FOR WORK IN THIS AREA.
15. DOWNSPOUT CONNECTION TO UNDERGROUND STORM WATER MANAGEMENT SYSTEM (SEE CIVIL).
16. FUTURE ELECTRICAL VEHICLE CHARGING SPACE (SEE ELECTRICAL).
17. CONCRETE-FILLED STEEL BOLLARD (PAINT) (SEE STRUCTURAL).
18. (N) RETAINING WALL (SEE STRUCTURAL, LANDSCAPE AND CIVIL). PROVIDE FORM LINER AT EXPOSED FACES AS SPECIFIED.
19. (E) DECK TO REMAIN.
20. PROPOSED OUTDOOR KITCHEN (REFER TO LANDSCAPE).
21. CLEAN-AIR VEHICLE PARKING STALLS PER CGC 5.106.5.2.
22. PROPOSED BIORETENTION CELL (SEE CIVIL AND LANDSCAPE).
23. FUTURE FOOTPATH TO FUTURE SWEAT HOUSE (BY OTHERS).
24. REFER TO ELECTRICAL FOR WORK IN THIS AREA.
25. (N) REINFORCED CONCRETE RETAINING WALL W/ STL. GUARDRAIL (SEE STRUCTURAL). PROVIDE FORM LINER AT EXPOSED FACES AS SPECIFIED.
26. WHEEL STOPS AT (N) PARKING STALLS (SEE CIVIL).
27. (E) GRAVEL PARKING AREA TO REMAIN (SEE CIVIL).
28. RIVER ACCESS ROAD (REFER TO CIVIL AND LANDSCAPE).
29. PROPOSED LOCATION FOR (N) PROPANE TANK (SEE CIVIL AND MECHANICAL).
30. (E) TREES - PROTECT FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION.
31. FUTURE OUTDOOR ACTIVITY AREA - REFER TO CIVIL, LANDSCAPE AND ELECTRICAL FOR WORK IN THIS AREA.
32. DASHED OUTLINE IS 20' x 60' EMERGENCY VEHICLE "HAMMERHEAD" SPACE.
33. (N) ASPHALT PAVING FOR PARKING AND EMERGENCY VEHICLE ACCESS (SEE CIVIL).

SITE PLAN LEGEND:

- (E) BUILDING
- (E) CONCRETE PAVING
- AREA OF WORK
- PROPERTY LINE
- PATH OF TRAVEL
- FENCE

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ARCHITECTURAL SITE PLAN

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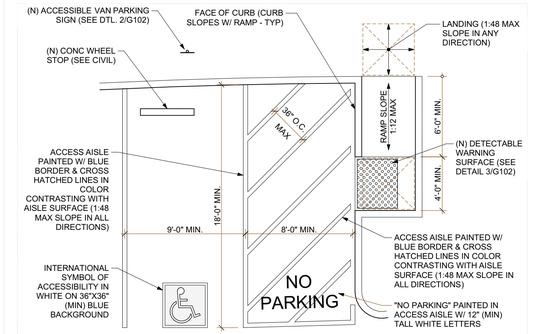
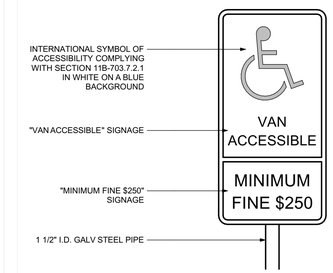


1 PARKING STALL

SCALE: 3/16" = 1'-0"

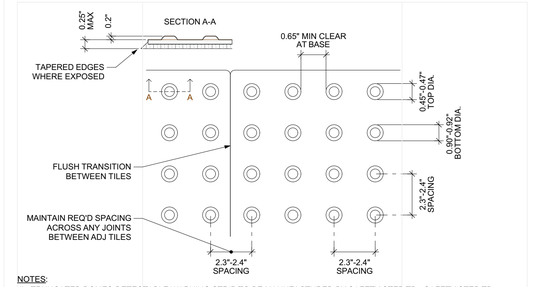


NOTES:

1. SIGN SHALL BE REFLECTORIZED WITH AREA OF 70 SQ. IN. (MIN)
2. CHARACTERS & THEIR BACKGROUND SHALL HAVE NON-GLARE FINISH
3. COLORS SHALL CONTRAST W/ LIGHT CHARACTERS ON DARK BACKGROUND, OR DARK CHARACTERS ON LIGHT BACKGROUND
4. SIGN SHALL BE LOCATED A MINIMUM OF 80 IN. ABOVE THE GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN (IF WITHIN A CIRCULATION AREA)
5. SIGN SHALL BE LOCATED WITHIN THE PROJECTED WIDTH OF THE PARKING SPACE AT THE HEAD END OF THE SPACE.
6. FOR POST MOUNTED SIGN, PROVIDE 12" DIA. CONCRETE FOOTING WITH CROWNED TOP. FOOTING SHALL BE 30" DEEP (MIN) WITH 3" (MIN) CONCRETE BELOW BOTTOM OF POST

2 HC PARKING SIGN

SCALE: 1 1/2"= 1'-0"



NOTES:

1) TRUNCATED DOMES DETECTABLE WARNING STRIP TO BE MANUFACTURED BY SAFETY STEP TD - SAFETY STEP TD, TRADITIONAL SSTD-MAT SYSTEM OR EQUAL.
2) COLOR TO BE YELLOW AND APPROXIMATE 33538 OF SAE AMS-STD-595A.
3) DETECTABLE WARNING SURFACES SHALL COMPLY WITH CBC SCTION 11B-705.1.

3 TACTILE WARNING

SCALE: 3" = 1'-0"

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SITE DETAILS

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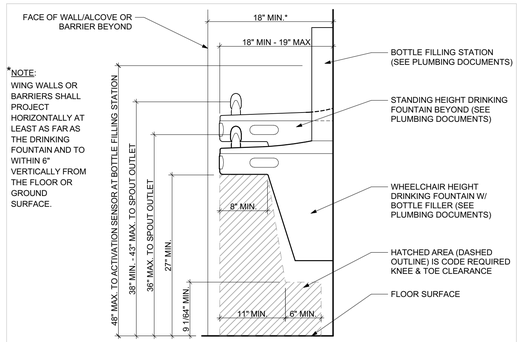
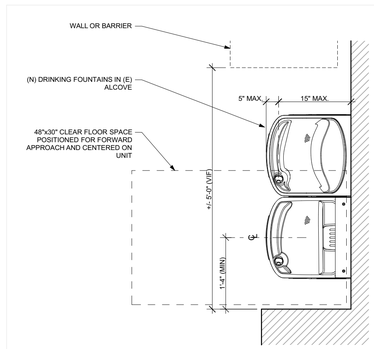


3 DRINKING FOUNTAIN ELEVATION

SCALE: 1" = 1'-0"



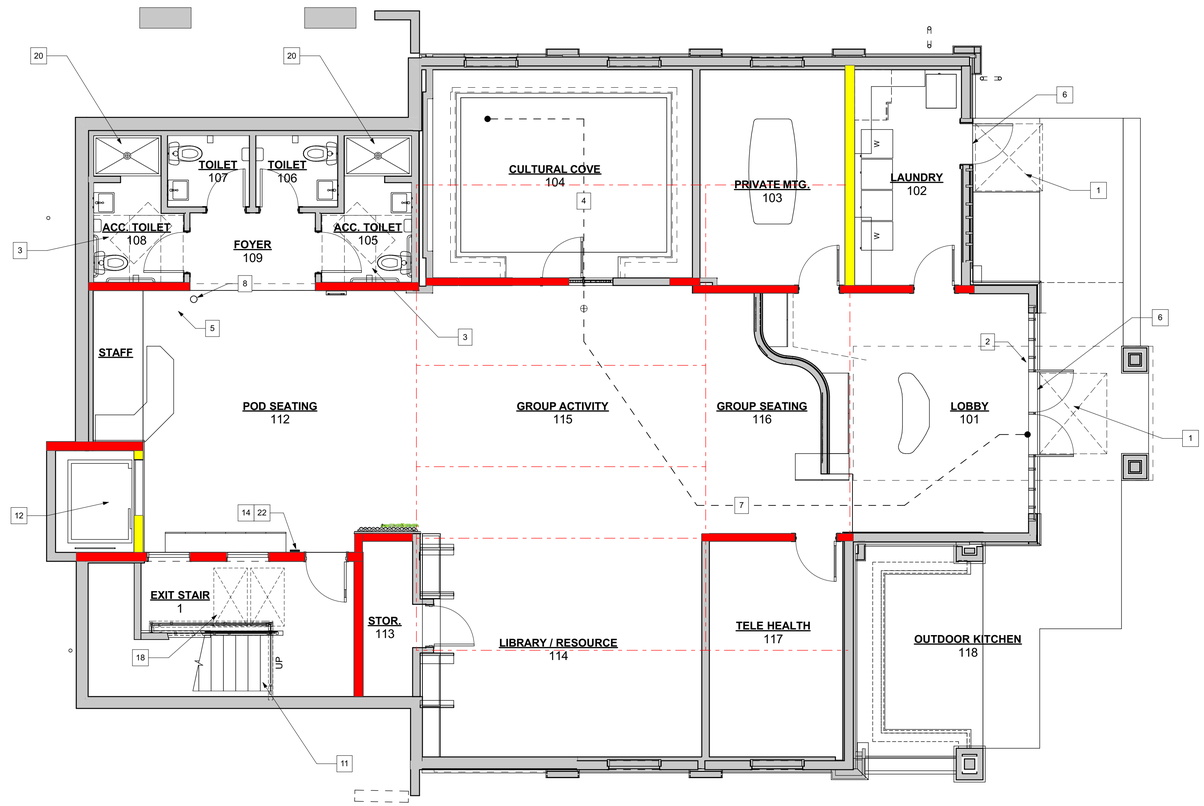
NOTE:
CBC 11B-602.3
THE FLOW OF WATER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6 INCHES OF THE FRONT EDGE OF THE FOUNTAIN OR AN AUTOMATIC ELECTRONICALLY CONTROLLED DEVICE.

CBC 11B-602.6
THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH (MIN) AND SHALL BE LOCATED 5 INCHES (MAX) FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3 INCHES OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES (MAX). WHERE SPOUTS ARE LOCATED BETWEEN 3 INCHES AND 5 INCHES (MAX) FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAXIMUM.

2 DRINKING FOUNTAIN PLAN

SCALE: 3/4" = 1'-0"

SHOWER DETAIL



1 GROUND LEVEL CODE COMPLIANCE PLAN

SCALE: 3/16" = 1'-0"

N

1HR FIRE-RATED, NON-BEARING WALL
1HR FIRE-RATED, BEARING WALL
BEAM LINE

OCCUPANCY & EGRESS ANALYSIS

REFER TO DESIGN CRITERIA ON TITLE SHEET FOR DESIGN CRITERIA. STRUCTURE IS 3-STORIES, TYPE 3A CONSTRUCTION, MIXED-USE OCCUPANCY, AND NON-SPRINKLERED, WITH FIRE WALL SEPARATION TO ADJACENT BUILDING.

OCCUPANT LOAD (PER CBC TABLE 1004.1.2):	**1**
- A-3 (COMMUNITY ROOM, CULTURAL COVE, HEAD SPACE, MEETING ROOM)	65
- B (OFFICES, DROP-IN SPACES)	6
- ACCESSORY (STORAGE, MECHANICAL, OTHER)	4
MEANS OF EGRESS:	**OK**
- REQUIRED MINIMUM NUMBER OF EXITS	**7**
- LOWER LEVEL	2
- MIDDLE LEVEL	1
- UPPER LEVEL	3
- COMMUNITY ROOM	(2)
- PROVIDED NUMBER OF EXITS	**8**
- LOWER LEVEL	3
- MIDDLE LEVEL	2
- UPPER LEVEL	3
- (COMMUNITY ROOM)	(2)
COMMON PATH OF EGRESS TRAVEL DISTANCE (CPET)	**OK**
- ALLOWABLE CPET FOR 'A' OCCUPANCY, NON-SPRINKLERED:	75-ft
- PROPOSED CPET LESS THAN ALLOWABLE (WORST-CASE ON MIDDLE FLOOR):	52-ft 11-in
EXIT ACCESS TRAVEL DISTANCE (EATD)	**OK**
- ALLOWABLE EATD FOR 'A' OCCUPANCY, NON-SPRINKLERED:	200-ft
- PROPOSED EATD LESS THAN ALLOWABLE:	**YES**
- LOWER LEVEL	63-ft 7-in
- MIDDLE LEVEL	56-ft 10-in
- UPPER LEVEL	58-ft 7-in
SIZE OF EXITS	**1**
- MINIMUM REQUIRED WIDTH FOR OCCUPANT LOAD	1
- LOWER LEVEL	1
- MIDDLE LEVEL	1
- UPPER LEVEL	1
- (COMMUNITY ROOM)	1
STAIRS	**1**
- MINIMUM REQUIRED WIDTH	1
- PROVIDED WIDTH	1

OCCUPANT LOAD CALCULATIONS

ROOM / SPACE NO. - NAME	AREA (sf) or (LENGTH (in))	USE	OCC LOAD FACTOR	OCCUPANTS	# EXITS REQUIRED
101 - CHECK-IN	n/a	ACCESSORY	-	1	1
102 - LAUNDRY	125	BUSINESS	150	1	1
103 - PRIVATE MEETING	170	ASSEMBLY (Unconcentrated)	15	12	1
104 - CULTURAL COVE	210	ASSEMBLY (Unconcentrated)	15	14	1
110 - JANITOR	25	ACCESSORY	300	1	1
111 - STORAGE	15	STORAGE	300	1	1
112 - POD SEATING	n/a	SEATING (Fixed)	Fixed Seats	4	1
113 - STORAGE	45	STORAGE	300	1	1
114 - LIBRARY / RESOURCE	300	BUSINESS	150	3	1
115 - GROUP ACTIVITY	360	ASSEMBLY (Unconcentrated)	15	24	1
116 - GROUP SEATING	(192)	SEATING (Fixed)	18" Each	11	1
117 - TELEHEALTH	160	BUSINESS	150	2	1
TOTAL OCCUPANTS (LOWER LEVEL)				**75**	**2**

PLUMBING FIXTURE CALCULATIONS

PLUMBING OCCUPANT LOAD (PER CPC SECTION 422, TABLE 4-1):	
-A-3 (CULTURAL COVE, COMMUNITY ROOM, HEAD SPACE) LOAD FACTOR OF 30 SF/PERSON	**82**
-740sf (LL)	25
-1,698sf (UL)	57
-B (OTHER SPACES) LOAD FACTOR OF 150 SF/PERSON	**11**
-585sf (LL)	4
-1,145sf (ML)	7
TOTAL PLUMBING OCCUPANT LOAD	**93**

	LAVATORIES M	LAVATORIES F	URINALS	WATER CLOSETS M	WATER CLOSETS F	DRINKING FOUNTAINS	SERVICE SINKS
REQUIRED (A)	*1:200*	*1:100*	*n/a (single-user)*	*1:100*	*2:26-50*	*1:250*	*1*
PROVIDED (A)	1	1	n/a (single-user)	1	1	1	
REQUIRED (B)	*1:75*	*1:50*	*n/a (single-user)*	*1:50*	*1:15*	*1:150*	*1*
PROVIDED (B)	1	1	n/a (single-user)	1	1	1	
TOTAL REQUIRED	*2*	*2*		*2*	*2*	*2*	*1*
TOTAL PROVIDED	**2**	**3**		**2**	**3**	**2**	**1**

CODE COMPLIANCE PLAN NOTES:

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GENERAL:
- REFER TO OCCUPANT LOAD ANALYSIS PLAN ON THIS SHEET FOR: ROOM/SPACE USE; OCCUPANCY CATEGORY; AREA CALCULATIONS; AND OCCUPANT LOAD CALCULATIONS.
- REFER TO FLOOR PLANS ON SHEETS A101 & A102 FOR DIMENSIONS.
- REFER TO DETAIL 5/G202 FOR REQUIRED CLEARANCES AT ALL DOORS.

KEYED:
1. DASHED OUTLINE IS EXTERIOR DOOR LANDING. LANDING SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION (SLOPE AWAY FROM BUILDING).
2. EXIT SIGNAGE (REFER TO DETAIL 4/G201).
3. ACCESSIBLE TOILET ROOM (REFER TO DETAIL 2/G203 FOR ACCESSIBLE FIXTURE AND ACCESSORIES).
4. COMMON PATH OF EGRESS TRAVEL (WORST-CASE).
5. ACCESSIBLE DRINKING FOUNTAIN & BOTTLE FILLING STATION (REFER TO DETAIL 3/G201).
6. PROVIDE THRESHOLD AT TRANSITION BETWEEN FINISH FLOORING AND CONCRETE LANDING (REFER TO DETAIL #/A###).
7. EXIT ACCESS TRAVEL DISTANCE (WORST-CASE).
8. FIRE EXTINGUISHER LOCATION (REFER TO DETAIL #/A###).
9. MAXIMUM OCCUPANT LOAD SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET 3/G202).
10. DASHED OUTLINE IS ACCESSIBILITY CODE REQUIRED TURNING RADIUS OR CLEAR FLOOR SPACE.
11. STAIRS WITH HANDRAIL ON EACH SIDE (REFER TO DETAIL #/A###).
12. ELEVATOR (SEE PLANS AND DETAILS).
13. GUARDRAIL (REFER TO DETAIL #/A###).
14. SIGN INDICATING 'AREA OF REFUGE' (REFER TO DETAIL #/G202).
15. RAMP WITH HANDRAILS ON EACH SIDE (REFER TO DETAIL #/A###).
16. SIGN INDICATING THAT DOOR IS 'NOT AN EXIT' (REFER TO DETAIL #/A###).
17. ASSISTIVE LISTENING SYSTEM STORAGE LOCATION.
18. ACCESSIBLE TOILET ROOM SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET 4/G201).
19. AREA OF RESCUE ASSISTANCE (DASHED).
20. ACCESSIBLE ROLL-IN SHOWER (REFER TO ENLARGED PLANS ON SHEET #/A### AND DETAIL #/A###).
21. ELEVATOR SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET #/A###).
22. SIGN INDICATING 'EXIT STAIR UP' (REFER TO DETAIL #/G202)

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LOWER LEVEL CODE COMPLIANCE FLOOR PLANS

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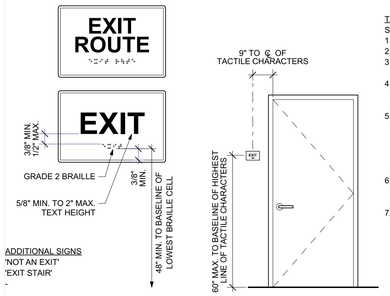
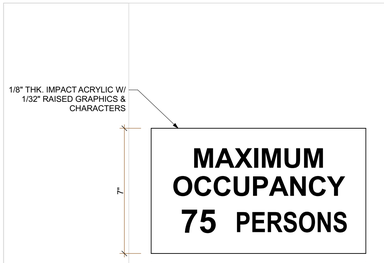


TACTILE SIGN REQUIREMENTS
SIGN SHALL:
1. CONFORM TO CBC 11B-703;
2. BE OF 1/8" THICK PLASTIC;
3. HAVE 1/32" RAISED BORDER, GRAPHICS & CHARACTERS;
4. HAVE NON-GLARE FINISH FOR CHARACTERS & THEIR BACKGROUND;
5. HAVE COLORS THAT CONTRAST, WITH DARK CHARACTERS ON LIGHT BACKGROUND, OR LIGHT CHARACTERS ON DARK BACKGROUND;
6. BE LOCATED ADJACENT TO THE LATCH SIDE OF THE DOOR, OR ON THE DOOR;
7. BE LOCATED WITHIN 18" MIN. CLEAR SPACE OUTSIDE SWING OF DOOR IN ANY POSITION.

ADDITIONAL SIGNS
'NOT AN EXIT'
'EXIT STAIR'
-

2 EXIT SIGN

SCALE: 3/8" = 1'-0"



REQUIREMENTS:
- EVERY ASSEMBLY ROOM OR SPACE WITH OCCUPANT LOAD OF 50 OR MORE SHALL POST THE OCCUPANT LOAD IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE
- CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH
- SIGN SHALL BE OF AN APPROVED, LEGIBLE, AND PERMANENT DESIGN, AND SHALL BE MAINTAINED BY THE OWNER
- CHARACTERS SHALL CONTRAST WITH THE BACKGROUND

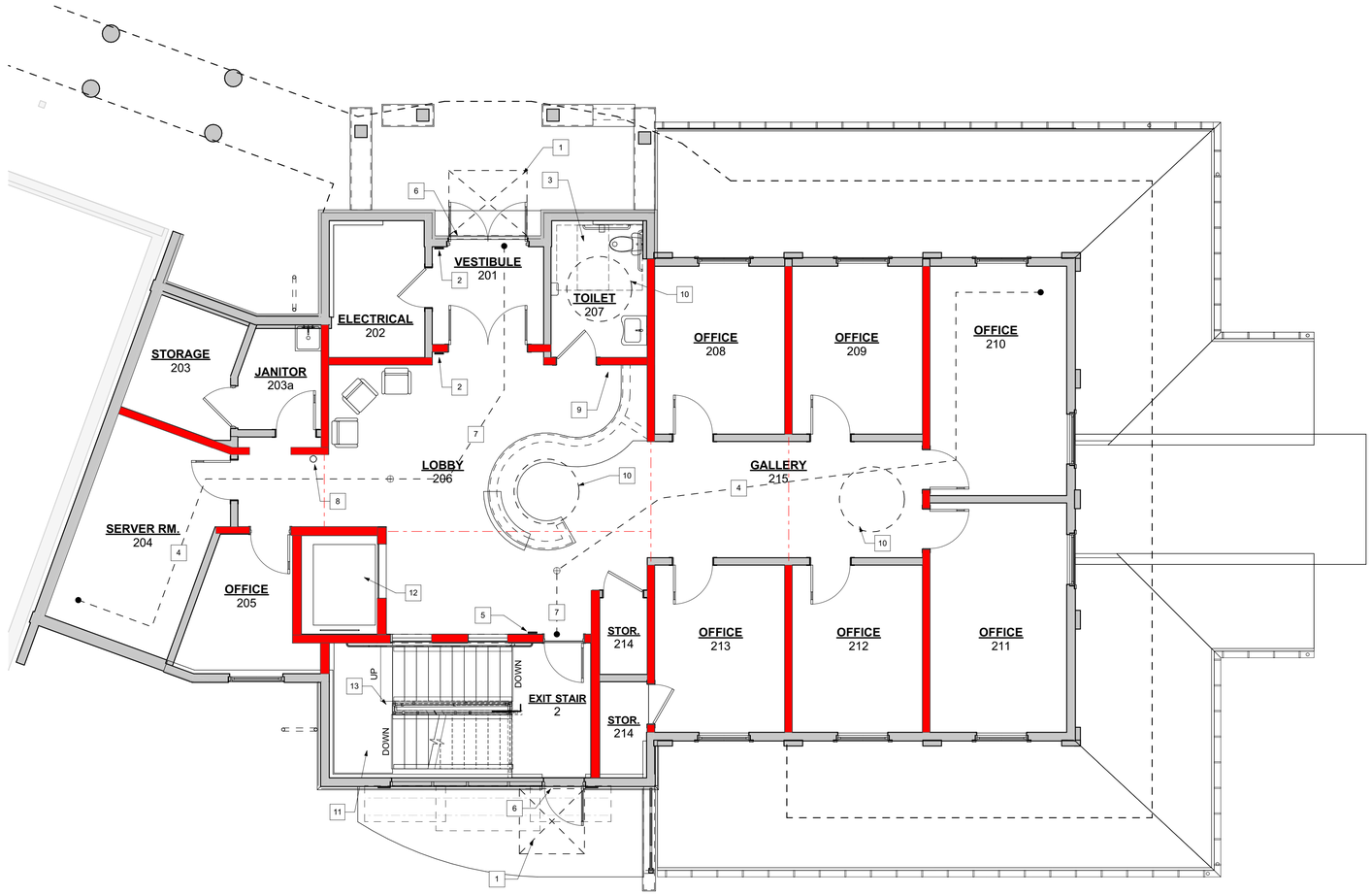
3 MAX OCCUP

SCALE: 3" = 1'-0"

MOUNTING:
- PROVIDE VANDAL RESISTANT HARDWARE FOR MECHANICAL MOUNTING (TYP). USE 3M VHB TAPE 100% SILICONE AT GLASS INSTALLATION.
- POST IN PROMINENT AREA NEAR ENTRANCE TO ASSEMBLY SPACE/AREA.

4 ASSIST LIST SIGN

SCALE: 3" = 1'-0"



1HR FIRE-RATED, NON-BEARING WALL
1HR FIRE-RATED, BEARING WALL
BEAM LINE

1 MIDDLE LEVEL CODE COMPLIANCE PLAN

SCALE: 3/16" = 1'-0"

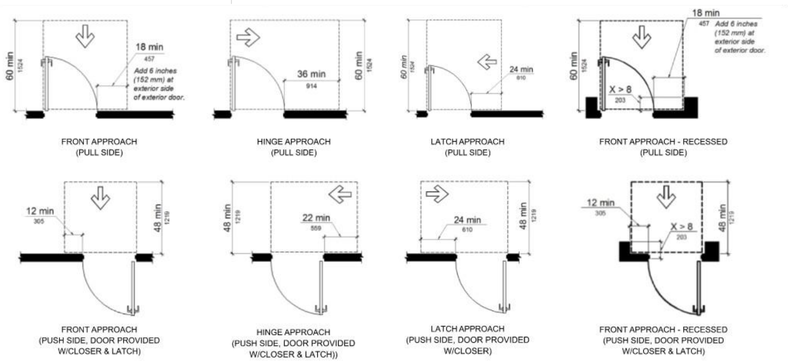
A. LATCHING AND LOCKING DOORS SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

B. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR.

C. THE FLOOR OR LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF THE DOOR SWING OF AT LEAST 60 INCHES AND THE LENGTH OPPOSITE THE DOOR SWING OF 48 INCHES AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.

D. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. THE CHANGE IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2, CBC 11B-404.2.5.

E. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR EXTERIOR DOORS AND 5 LBS. FOR INTERIOR DOORS. SUCH PUSH OR PULL EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC OPENERS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE AUTHORITY HAVING JURISDICTION, MAY INCREASE THE MAXIMUM EFFORT TO OPERATE FIRE DOORS TO ACHIEVE POSITIVE LATCHING, BUT NOT TO EXCEED 15 LBS MAX. PER CBC 11B-404.2.9.



5 ACCESSIBILTY CLEARANCE AT DOORS

SCALE: 1/4" = 1'-0"

OCCUPANT LOAD CALCULATIONS

ROOM / SPACE NO. - NAME	AREA (sf) or (LENGTH (in))	USE	OCC LOAD FACTOR	OCCUPANTS	# EXITS REQUIRED
201 - VESTIBULE	n/a	ACCESSORY	-	-	1
202 - ELECTICAL	75	MECHANICAL	300	1	1
203 - STORAGE	130	STORAGE	300	1	1
204 - SERVER ROOM	170	BUSINESS	300	1	1
205 - OFFICE	85	BUSINESS	150	1	1
206 - LOBBY	n/a	ACCESSORY	-	5	1
208 - OFFICE	130	BUSINESS	150	1	1
209 - OFFICE	130	BUSINESS	150	1	1
210 - OFFICE	185	BUSINESS	150	2	1
211 - OFFICE	185	BUSINESS	150	2	1
212 - OFFICE	130	BUSINESS	150	1	1
213 - GALLERY	n/a	ACCESSORY	-	-	1
214 - OFFICE	130	BUSINESS	150	1	1
215 - STORAGE	20	STORAGE	300	1	1
216 - STORAGE	25	STORAGE	300	1	1
TOTAL OCCUPANTS (MIDDLE LEVEL)				**19**	**1**

CODE COMPLIANCE PLAN NOTES:

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GENERAL:
- REFER TO OCCUPANT LOAD ANALYSIS PLAN ON THIS SHEET FOR: ROOM/SPACE USE; OCCUPANCY CATEGORY; AREA CALCULATIONS; AND OCCUPANT LOAD CALCULATIONS.
- REFER TO FLOOR PLANS ON SHEETS A101 & A102 FOR DIMENSIONS.
- REFER TO DETAIL 5/G202 FOR REQUIRED CLEARANCES AT ALL DOORS.

KEYED:
1. DASHED OUTLINE IS EXTERIOR DOOR LANDING. LANDING SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION (SLOPE AWAY FROM BUILDING).
2. EXIT SIGNAGE (REFER TO DETAIL 4/G201).
3. ACCESSIBLE TOILET ROOM (REFER TO DETAIL #/A### FOR ACCESSIBLE FIXTURE AND ACCESSORIES).
4. COMMON PATH OF EGRESS TRAVEL.
5. SIGN INDICATING 'EXIT STAIR' (REFER TO DETAIL 2/G202).
6. PROVIDE THRESHOLD AT TRANSITION BETWEEN FINISH FLOORING AND CONCRETE LANDING (REFER TO DETAIL #/A###).
7. EXIT ACCESS TRAVEL DISTANCE.
8. FIRE EXTINGUISHER LOCATION (REFER TO DETAIL #/A###).
9. ACCESSIBLE TOILET ROOM SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET 4/G201).
10. DASHED OUTLINE IS ACCESSIBILITY CODE REQUIRED TURNING RADIUS OR CLEAR FLOOR SPACE.
11. STAIRS WITH HANDRAIL ON EACH SIDE (REFER TO DETAIL #/A###).
12. ELEVATOR (SEE PLANS AND DETAILS).
13. GUARDRAIL (REFER TO DETAIL #/A###).

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ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN GENDEREN
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO.	C1276
DATE:	23-APRIL-2026
ISSUE:	FOR BID

SHEET NO.

G202

MIDDLE LEVEL CODE COMPLIANCE FLOOR PLANS (1)

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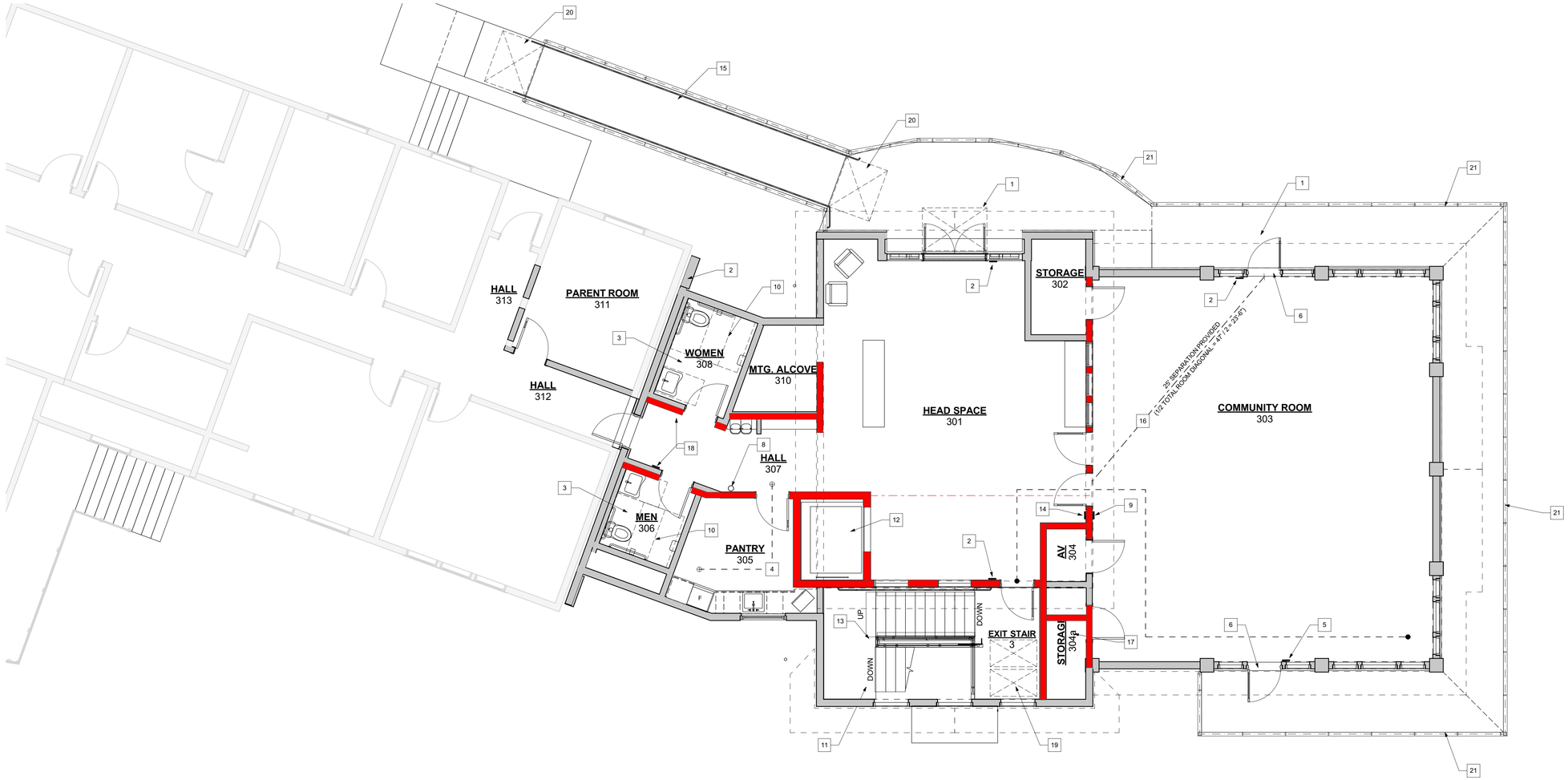


1HR FIRE-RATED, NON-BEARING WALL

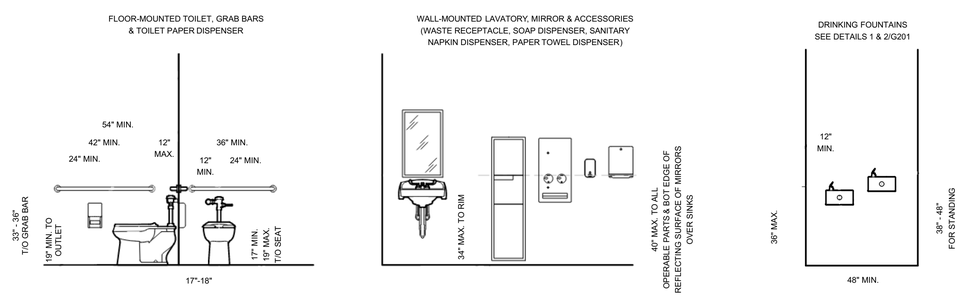
1HR FIRE-RATED, BEARING WALL

BEAM LINE

1 UPPER LEVEL CODE COMPLIANCE PLAN

SCALE: 3/16" = 1'-0"

N



2 MOUNTING HEIGHTS at ACCESSIBLE FIXTURES & ACCESSORIES

SCALE: 1/4" = 1'-0"

OCCUPANT LOAD CALCULATIONS

ROOM / SPACE NO. - NAME	AREA (sf) or (LENGTH (in))	USE	OCC LOAD FACTOR	OCCUPANTS	# EXITS REQUIRED
301 - HEAD SPACE	500	ASSEMBLY (Unconentrated)	15	34	1
302 - STORAGE	45	STORAGE	300	1	1
303 - COMMUNITY ROOM	1,145	ASSEMBLY (Unconcentrated)	15	76	2
304 - STORAGE	30	STORAGE	300	1	1
305 - PANTRY	115	ACCESSORY	300	1	1
306 - MEN	n/a	ACCESSORY	-	-	-
307 - HALL	n/a	ASSESSORY	-	-	-
308 - WOMEN	n/a	ACCESSORY	-	-	-
309 - MEETING ALCOVE	53	ASSEMBLY (Unconcentrated)	15	4	1
310 - PARENTS*	168	BUSINESS	150	2	1
311 - STORAGE	28	STORAGE	300	1	1
312 - HALL*	n/a	ACCESSORY	-	-	-
313 - HALL*	n/a	ACCESSORY	-	-	-
TOTAL OCCUPANTS (UPPER LEVEL)				**118**	**2**

* not included in calculation - part of existing building, separated by fire wall

EGRESS SIZING CALCULATIONS

REQUIRED WIDTH OF EXIT(S)

-EGRESS WIDTH PER OCCUPANT (2022 CBC 1005.3.2)	0.20 in
-TOTAL OCCUPANT LOAD (UL FLOOR)	116
-REQUIRED EGRESS WIDTH OF (N) DOOR OPENINGS (0.2-in x 116)	23.2 in
-PROVIDED EGRESS WIDTH OF (N) DOOR OPENINGS	128 in

CODE COMPLIANCE PLAN NOTES:

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- REFER TO FLOOR PLANS ON SHEETS A101 & A102 FOR DIMENSIONS.
- REFER TO DETAIL 2/G203 FOR REQUIRED CLEARANCES AT ALL DOORS.

KEYED:
1. DASHED OUTLINE IS EXTERIOR DOOR LANDING. LANDING SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION (SLOPE AWAY FROM BUILDING).
2. EXIT SIGNAGE (REFER TO DETAIL 4/G201).
3. ACCESSIBLE TOILET ROOM (REFER TO DETAIL #/A### FOR ACCESSIBLE FIXTURE AND ACCESSORIES).
4. COMMON PATH OF EGRESS TRAVEL.
5. SIGN INDICATING DOOR IS 'NOT AN EXIT' (REFER TO DETAIL 4/G201).
6. PROVIDE THRESHOLD AT TRANSITION BETWEEN FINISH FLOORING AND EXTERIOR LANDING (REFER TO DETAIL #/A###).
7. EXIT ACCESS TRAVEL DISTANCE.
8. FIRE EXTINGUISHER LOCATION (REFER TO DETAIL #/A###).
9. MAXIMUM OCCUPANT LOAD SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET #/A###).
10. DASHED OUTLINE IS ACCESSIBILITY CODE REQUIRED TURNING RADIUS OR CLEAR FLOOR SPACE.
11. STAIRS WITH HANDRAIL ON EACH SIDE (REFER TO DETAIL #/A###).
12. ELEVATOR (SEE PLANS AND DETAILS).
13. GUARDRAIL (REFER TO DETAIL #/A###).
14. ASSISTIVE LISTENING SYSTEM SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET #/A###).
15. RAMP WITH HANDRAILS ON EACH SIDE (REFER TO DETAIL #/A###).
16. DASHED LINE IS MEASURED SEPARATION REQUIRED FOR MULTIPLE EXITS.
17. ASSISTIVE LISTENING SYSTEM STORAGE LOCATION.
18. ACCESSIBLE TOILET ROOM SIGNAGE (REFER TO SIGNAGE SCHEDULE ON SHEET 4/G201).
19. AREA OF RESCUE ASSISTANCE (DASHED).
20. RAMP LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION (SLOPE AWAY FROM BUILDING).
21. GUARDRAIL AT BALCONY (REFER TO DETAIL #/A###).

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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARC R. VAN GENDEREN
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
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PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

G203

UPPER LEVEL CODE COMPLIANCE FLOOR PLAN

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EXISTING TOPO LEGEND

- EXISTING STORM DRAIN PIPE
- EXISTING SANITARY SEWER PIPE
- EXISTING STORM DRAIN MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING DRINKING FOUNTAIN
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER VALVE EXISTING SPRINKLER
- EXISTING AREA DRAIN
- EXISTING STORM DRAIN CB #3
- EXISTING UTILITY POLE
- EXISTING GUY WIRE
- EXISTING SIGN
- EXISTING DOWNSPOUT
- EXISTING FENCE
- EXISTING SEWER/SEPTIC CLEANOUT
- EXISTING TREE

PROPOSED SYMBOL LEGEND

- AREA DRAIN
- BOLLARD
- CONTROL POINT
- CULVERT
- DRAINAGE DIRECTION ARROW
- ELECTRICAL PANEL / BOX
- FIRE HYDRANT
- HOSE BIB
- LIGHT POLE
- UTILITY POLE
- RIPRAP DISSIPATOR
- SS/SD CLEANOUT
- SS/SD MANHOLE
- SIGN
- STORM DRAIN CATCH BASIN
- LANDSCAPE DRAIN
- DOWNSPOUT CONNECTION
- GEOTECHNICAL TEST PIT
- WATER METER/BOX
- WATER VALVE
- SLOPE DIRECTION MARKERS

LINE LEGEND

- VERTICAL CURB
- (E) EP
- (N) EP
- (E) CONC
- (N) CONC
- PROPERTY LINE (TOPO NOTE 1)
- FLOWLINE
- (E) ACCESS ROAD
- (E) WATER MAIN
- (N) WATER MAIN
- (E) WATER SERVICE
- (N) WATER SERVICE
- (E) FIRE SERVICE
- (N) FIRE SERVICE
- (E) STORM DRAIN
- (N) STORM DRAIN
- (E) SANITARY SEWER
- (N) SANITARY SEWER
- (E) GAS LINE
- (N) GAS LINE

HATCH LEGEND

- (E) CONCRETE
- (N) CONCRETE
- (E) PAVEMENT
- (N) PAVEMENT (SEE SPEC 3.3)
- (E) AB
- (N) AB (SEE SPEC 3.6)
- (N) RIPRAP (6-12" COBBLES)
- LAWN/LANDSCAPE AREA
- DETECTABLE WARNING SURFACE

DEMOLITION LEGEND

- TBA — TO BE ABANDONED
- TBR — TO BE REMOVED
- TREES TO BE REMOVED
- DEMOLITION LINE
- DEMOLITION AREA (BLDG, CONC, SIDEWALK)

ABBREVIATIONS

AB	AGGREGATE BASE	INV	INVERT
AD	AREA DRAIN	LF	LINEAL FEET
BOT	BOTTOM	L/S	LANDSCAPING
CB	CATCH BASIN	MH	MANHOLE
CL	CENTERLINE	(N)	NEW
CMP	CORRUGATED METAL PIPE	O/H	OVERHEAD
CO	CLEANOUT	PED	PEDESTAL
CONT	CONTINUATION	PH	PHONE
CP	CONTROL POINT	RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE	RED	REDUCER
CR	CURB RETURN	RWL	RAIN WATER LEADER
DI	DROP INLET	S	SLOPE
DS	DOWNSPOUT	SD	STORM DRAIN
D/W	DRIVEWAY	SDMH	STORM DRAIN MANHOLE
(E)	EXISTING	SS	SANITARY SEWER
ECC	ECCENTRIC	SSCO	SANITARY SEWER CLEANOUT
EG	EXISTING GRADE	SSMH	SANITARY SEWER MANHOLE
ELB	ELBOW	SSRH	SANITARY SEWER RODHOLE
ELEC	ELECTRICAL	STD	STANDARD
EL/ELEV	ELEVATION	TBC	TOP BACK OF CURB
FES	FLARED END SECTION	TC	TOP CONC/CURB
FF	FINISH FLOOR	TOPO	TOPOGRAPHIC SURVEY
FL	FLOWLINE	TW	TOP OF WALL
FG	FINISH GRADE	TYP	TYPICAL
FH	FIRE HYDRANT	UG	UNDERGROUND
FL	FLOWLINE	UNO	UNLESS NOTED OTHERWISE
FP	FINISH PAVEMENT	W	WATER
FSR	FIRE SPRINKLER RISER	WM	WATER METER
GB	GRADE BREAK	WS	WATER SERVICE
GR	GRATE	WV	WATER VALVE
GV	GAS VALVE		
HDPE	HIGH DENSITY POLYETHYLENE		
HMA	HOT MIX ASPHALT		

CIVIL SPECIFICATIONS

PART - 1. GENERAL

1.1. ALL SITE WORK CONSTRUCTION AND INSTALLATION OF IMPROVEMENTS SHALL CONFORM TO THESE PLANS AND THE FOLLOWING:
- 1.1.1. THE CURRENT VERSION OF THE STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION (CALTRANS) REVISED STANDARD PLANS AND SPECIFICATIONS (RSS).
- 1.1.2. THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2021 EDITION (GREENBOOK SS).
- 1.1.3. HUMBOLDT COUNTY CONSTRUCTION STANDARDS.
- 1.1.4. THE CURRENT VERSION OF THE CALIFORNIA UNIFORM PLUMBING CODE.
- 1.1.5. CALIFORNIA AWPA STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 1.1.6. THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY CRAWFORD AND ASSOCIATES, INC. FOR THE YUROK YOUTH CENTER DATED JANUARY 10, 2025 (FILE NO. 24-1105.1).

1.2. ANY CHANGES IN THESE PLANS ARE TO RECEIVE PRIOR APPROVAL OF THE OWNER, ARCHITECT, AND ENGINEER.

1.3. SUBMITTALS:
- 1.3.1. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH ALL THE ITEMS NOTED WITHIN THE SHOP DRAWING AND SUBMITTAL CHECKLIST PRIOR TO CONSTRUCTION AND ALL OTHER REQUIREMENTS AS DESCRIBED IN GREENBOOK SS 3-8.

1.4. ALL ELECTRICAL AND FIRE SERVICE/PROTECTION LINES ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE APPLICABLE PLAN FOR DESIGN INFORMATION.

1.5. CONTRACTOR SHALL POTHOLE TO LOCATE ALL UNDERGROUND UTILITIES WITHIN THE VICINITY OF THE PROJECT AND PROVIDE THE ENGINEER WITH THE LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. LACKING POTHOLE INFORMATION, THE GRADES, SLOPES, LENGTHS, AND LOCATIONS OF PROPOSED UTILITIES ARE SUBJECT TO CHANGE DURING CONSTRUCTION.

1.6. SITE CLEARING:
- 1.6.1. CONTRACTOR SHALL COORDINATE AND ARRANGE FOR THE DISCONNECTION OF ALL UTILITIES BEING MODIFIED OR DEMOLISHED WITH THE OWNER AND UTILITY COMPANIES. THE CONTRACTOR SHALL PROPERLY CAP ALL UNUSED OR ABANDONED UTILITIES.
- 1.6.2. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL SURVEY MONUMENTS AND SHALL, AT THEIR EXPENSE, CONSULT WITH A LICENSED LAND SURVEYOR TO PERPETUATE ANY MONUMENTS THAT ARE AT RISK OF BEING DISTURBED DURING CONSTRUCTION PER CALIFORNIA BUSINESS AND PROFESSIONS CODE 8771.
- 1.6.3. ALL EXISTING FACILITIES THAT ARE NOT IMPACTED BY THESE PLANS SHALL REMAIN IN SERVICE AFTER CONSTRUCTION.

1.7. MATERIAL STORAGE AND HANDLING
- 1.7.1. CONTRACTOR SHALL SUPPLY ALL PRODUCTS TO THE PROJECT SITE IN ACCORDANCE TO GREENBOOK SS 4-1.
- 1.7.2. CONTRACTOR SHALL PROTECT AND STORE MATERIALS IN ACCORDANCE TO GREENBOOK SS 4-2.
- 1.7.3. SHIP AND STORE ALL MATERIALS IN ACCORDANCE TO THE MANUFACTURER RECOMMENDATIONS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH MANUFACTURER TO DETERMINE IF SPECIFIC PROCEDURES OR PRACTICES SHOULD BE FOLLOWED TO PREVENT ANY DEROGATION TO THE PRODUCT PRIOR TO INSTALLATION.

PART - 2. PRODUCTS

2.1. SITE CONCRETE
- 2.1.1. CURBS, GUTTERS, AND OTHER DRAINAGE FEATURES:
  - 2.1.1.1. PORTLAND CEMENT CONCRETE PER GREENBOOK SS 201-1 (CLASS 520-C-2500).
- 2.1.2. CONCRETE PARKING SLAB:
  - 2.1.2.1. PORTLAND CEMENT CONCRETE PER GREENBOOK SS 201-1 (CLASS 560-C-3250).
- 2.1.3. PEDESTRIAN WALKWAYS:
  - 2.1.3.1. REFER TO LANDSCAPE PLANS AND SPECIFICATIONS.
- 2.1.4. STEEL REINFORCEMENT PER GREENBOOK SS 201-2 (REBAR GRADE 40, UNO).
- 2.1.5. EXPANSION JOINT FILLER PER GREENBOOK SS 201-3 (PREMOLDED JOINT FILLER, UNO).
- 2.1.6. CURING MATERIALS PER GREENBOOK SS 201-4 (TYPE 1-D, UNO).

2.2. HOT MIX ASPHALT (HMA)
- 2.2.1. HMA SHALL BE PER CALTRANS RSS, SECTION 39.2.02B (TYPE A, 1/2-INCH AGGREGATE).
- 2.2.2. ASPHALT BINDER SHALL BE (PG 64-10).

2.3. AGGREGATE BASE (AB)
- 2.3.1. AB SHALL BE PER CALTRANS RSS, SECTION 26-1.02B (CLASS 2, 3/4-INCH AGGREGATE).

2.4. PAVEMENT STRIPING, MARKINGS, AND MARKERS
- 2.4.1. PAVEMENT STRIPING MARKING PER GREENBOOK SS 214-4.
- 2.4.2. PAVEMENT MARKERS PER GREENBOOK SS 214-6 & 214-7 (TYPE AS NOTED ON THE PLAN).

2.5. GEOGRID
- 2.5.1. TENSAR 750NX, OR EQUAL.
- 2.5.2. GEOGRID SHALL BE PER GREENBOOK SS 213 (MULTI-AXIAL).

2.6. GEOTEXTILE (FILTER FABRIC)
- 2.6.1. MIRAFI 180N, OR EQUAL.
- 2.6.2. GEOTEXTILE SHALL BE PER GREENBOOK SS 213 (NONWOVEN - TYPE 180N)

2.7. PVC GEOMEMBRANE
- 2.7.1. LAYFIELD PVC 30, OR EQUAL.
- 2.7.2. PVC MATERIAL WITH ONE SIDE TEXTURED. BLACK TOP AND BOTTOM SURFACES.
- 2.7.3. MINIMUM PERFORMANCE SPEC:
  - 2.7.3.1. 30 MIL THICKNESS.
  - 2.7.3.2. 1.2 G/CC SPECIFIC GRAVITY.
  - 2.7.3.3. 73 LB/IN TENSILE BREAK STRENGTH.
  - 2.7.3.4. 350% TENSILE BREAK ELONGATION.
  - 2.7.3.5. 58 LBS/IN SHEAR STRENGTH.
  - 2.7.3.6. 15 LBS/IN PEEL STRENGTH.

2.8. STORM DRAIN (SD)
- 2.8.1. 6"-30" SD PIPE, FITTINGS, AND APPURTENANCES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) WITH SMOOTH INTERIOR CONFORMING TO GREENBOOK SS 207-18.
- 2.8.2. 4" RWL PIPE, FITTINGS, AND APPURTENANCES SHALL BE PVC PER GREENBOOK SS 207-17.
- 2.8.3. SEE SHEET C740 FOR UNDER GROUND DETENTION BASIN SPECIFICATIONS.
- 2.8.4. LANDSCAPE DRAINS SHALL BE ADS NYLOPLAST INLINE DRAIN WITH A 12" DIAMETER BARREL, OR APPROVED EQUAL. GRATE SHALL BE CAST IRON AND DOMED.
- 2.8.5. CURB INLETS AND DRAIN BASINS SHALL BE PER DETAILS ON SHEET C730. BASIN BARREL DIAMETER NOTED ON SHEET C400.
- 2.8.6. WATER POLLUTION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED PER SHEET C500.

2.9. SANITARY SEWER (SS)
- 2.9.1. ALL GRAVITY SEWER PIPE, FITTINGS, AND APPURTENANCES OUTSIDE OF THE BUILDING AND SEPTIC TREATMENT FACILITIES SHALL BE PVC PIPE PER GREENBOOK SS 207-17, WITH THE EXCEPTION THAT ALL SS PIPE SHALL HAVE A MINIMUM SDR OF 28.
- 2.9.3. CLEANOUT BOXES SHALL BE INSTALLED ON TOP OF ALL CLEANOUTS AND SHALL BE A CHRISTY G5, OR EQUAL. PRECAST STRUCTURE WITH CAST IRON LID.
- 2.9.4. SEE SHEET C710 FOR SEPTIC TREATMENT AND DISPERSAL SPECIFICATIONS.

2.10. DOMESTIC WATER
- 2.10.1. ALL PRESSURIZED WATER PIPE, FITTINGS, AND APPURTENANCES OUTSIDE OF THE BUILDING AND SEPTIC TREATMENT FACILITIES SHALL BE PVC SCH 80 AND SHALL COMPLY WITH THE FOLLOWING:
  - 2.10.1.1. SCH 80 PIPE AND SOCKET FITTINGS: ASTM D2467.
  - 2.10.1.2. PLASTIC POTABLE-WATER-SERVICE PIPING: NSF 14.
  - 2.10.1.3. MATERIALS FOR WATER-SERVICE PIPING AND SPECIALTIES FOR DOMESTIC WATER: NSF 61 ANNEX.
- 2.10.2. GATE VALVES SHALL BE NIBCO T-22, OR APPROVED EQUAL, WITH NON-RISING STEM AND BRONZE BODY.
- 2.10.3. VALVE BOXES SHALL BE INSTALLED ON TOP OF ALL VALVES AND SHALL BE A CHRISTY G5, OR EQUAL, PRECAST STRUCTURE WITH CAST IRON LID.

PART - 3. EXECUTION

3.1. DEMO AND SITE CLEARING
- 3.1.1. CONTRACTOR SHALL COORDINATE AND ARRANGE FOR THE DISCONNECTION OF ALL UTILITIES BEING MODIFIED OR DEMOLISHED WITH THE OWNER AND UTILITY COMPANIES. THE CONTRACTOR SHALL PROPERLY CAP ALL UNUSED OR ABANDONED UTILITIES.
- 3.1.2. CALL USA (811 OR 1-800-227-2600) 48 HOURS PRIOR TO ANY DEMOLITION ACTIVITIES TO LOCATE UTILITIES.
- 3.1.3. CONTRACTOR SHALL DEMO EXISTING IMPROVEMENTS INDICATED ON SHEET C100 IN ACCORDANCE WITH GREENBOOK SS PART 4 (SECTION 400).
- 3.1.4. ALL UNDERGROUND UTILITIES WITHIN 5' OF THE PROPOSED BUILDING THAT ARE NOT SHOWN ON THESE PLANS SHALL BE RELOCATED PER THE DIRECTION OF THE ARCHITECT OR ENGINEER DURING CONSTRUCTION.
- 3.1.5. CONTRACTOR TO PROTECT TREES THAT ARE TO REMAIN, INCLUDING ROOT STRUCTURES.
- 3.1.6. ALL DEMOLISHED MATERIALS NOT CALLED OUT IN THE DRAWINGS TO BE RETURNED TO THE OWNER ARE TO BE PROPERLY DISPOSED OF OFF-SITE.
- 3.1.7. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE AND LEGALLY DISPOSE OF ANY EXCESS FILL MATERIAL AND WASTE GENERATED DURING GRADING AND CONSTRUCTION OPERATIONS.

3.2. SITE CONCRETE
- 3.2.1. INSTALL PRODUCTS PER GREENBOOK SS 303, UNO.
- 3.2.2. APPLY LIGHT BROOM FINISH TO ALL WALKWAYS.
- 3.2.3. CONSTRUCT CONTROL JOINTS AND EXPANSION JOINTS IN CURBS, GUTTERS, AND WALKS PER THE DETAILS ON THE LANDSCAPING PLANS.

3.3. HOT MIX ASPHALT (HMA)
- 3.3.1. INSTALL PRODUCTS PER CALTRANS RSS, SECTION 39-2.02C.
- 3.3.2. STRUCTURAL ROAD SECTION LAYER SHALL BE 3" HMA OVER 10" AB.
  - 3.3.2.1. THESE VALUES ARE BASED ON THE GEOTECHNICAL RECOMMENDATIONS BY USING A LAB TESTED R-VALUE OF 30 AND AN ASSUMED TRAFFIC INDEX (TI) OF 6.0 FOR PARKING AREAS WITH MAINLY LIGHT TO OCCASIONAL HEAVY TRAFFIC LOADING.

3.4. AGGREGATE BASE (AB)
- 3.4.1. INSTALL PRODUCTS PER CALTRANS RSS SECTION 26-1.03.
- 3.4.2. COMPACT ALL AB TO 95% OF RELATIVE COMPACTION, UNO (SEE NOTE 3 ON SHEET C300).

3.5. PAVEMENT STRIPING, MARKINGS, AND MARKERS
- 3.5.1. INSTALL PRODUCTS PER GREENBOOK SS 314.

3.6. GEOGRID
- 3.6.1. INSTALL PRODUCTS PER CALTRANS RSS SECTION 26-1.03C AND MANUFACTURERS RECOMMENDATIONS.
- 3.6.2. ALL ROADS AND PARKING AREAS THAT ARE SURFACED WITH AGGREGATE BASE WITH NO PROTECTIVE HARD COURSE LAYER SHALL BE 12" THICK OVER GEOGRID.

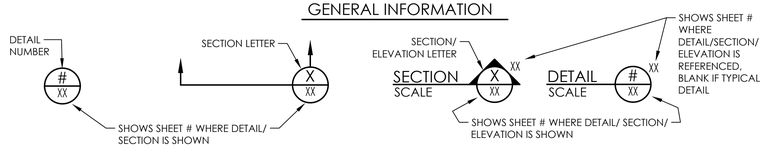
3.7. GEOTEXTILE (FILTER FABRIC)
- 3.7.1. INSTALL PRODUCTS PER GREENBOOK SS 300-8 AND MANUFACTURERS RECOMMENDATIONS.

3.8. PVC GEOMEMBRANE
- 3.8.1. INSTALL PRODUCTS PER GREENBOOK SS 300-9 AND MANUFACTURERS RECOMMENDATIONS.

3.9. GRAVITY STORM DRAIN AND SANITARY SEWER PIPE
- 3.9.1. INSTALL PRODUCTS PER GREENBOOK SS 306, UNO.
- 3.9.2. SEE DETAILS ON SHEET C760 FOR TRENCH BACKFILL AND ADDITIONAL TRENCHING SPECIFICATIONS.

3.10. PRESSURIZED DOMESTIC WATER PIPE
- 3.10.1. INSTALL ALL PRODUCTS PER GREENBOOK SS 306, UNO.
- 3.10.2. SEE DETAILS ON SHEET C760 FOR TRENCH BACKFILL AND ADDITIONAL TRENCHING SPECIFICATIONS.
- 3.10.3. CONTRACTOR SHALL PURGE AND DISINFECT WATER SYSTEM AS DESCRIBED IN AWWA C651. CONTRACTOR MAY SUBMIT AN ALTERNATIVE METHOD OF DISINFECTION TO THE ENGINEER FOR REVIEW.

GENERAL INFORMATION



DETAIL CALLOUT — SECTION MARKERS — DETAIL/SECTION/ELEVATION TITLE WHERE SHOWN

SHOP DRAWING AND SUBMITTAL CHECKLIST

SITE CLEARING	SUBMIT DATA SHEET FOR ANY HERBICIDES AND OFFSITE DISPOSAL AGREEMENT (IF REQUIRED)
GEOMEMBRANE, GEOTEXTILE, AND GEOGRID	SUBMIT MANUFACTURER'S DATA SHEET, INSTALLATION INSTRUCTIONS AND SAMPLE OF FABRIC.
EROSION CONTROL AND WATER POLLUTION MEASURES	UPDATE THE EROSION AND SEDIMENTATION CONTROL PLAN, AS REQUIRED, FOR EACH PHASE OF CONSTRUCTION AND SUBMIT MANUFACTURER'S DATA SHEET FOR EACH SPECIFIED BMP.
AGGREGATE BASE	SUBMIT REQUIRED QUALITY CONTROL TESTS PER CALTRANS RSS SECTION 26-1.01D.
HMA	SUBMIT REQUIRED INFORMATION PER CALTRANS RSS SETION 39-2.02A.
SITE CONCRETE	SUBMIT CONCRETE MIX DESIGN, ADDITIVES, AND AGGREGATE DATA SHEETS FROM SUPPLIER PER SS 201.
PAVEMENT MARKINGS	SUBMIT PRODUCT DATA SHEET FROM MANUFACTURER.
CURB INLETS AND DRAIN BASINS	SUBMIT PRODUCT DATA SHEET FROM MANUFACTURER.
STORM DRAIN, SANITARY SEWER, AND DOMESTIC WATER PIPE, FITTINGS, AND APPURTENANCES	SUBMIT PRODUCT DATA SHEET FROM MANUFACTURER.
TRENCH BACKFILL MATERIAL AND PIPE BEDDING	SUBMIT PRODUCT DATA SHEET FROM MATERIAL SUPPLIER.
SEPTIC SYSTEM	SUBMIT MANUFACTURERS DESIGN DRAWINGS FOR THE FINAL PUMP SELECTION, ELECTRICAL, AND COMMUNICATION SERVICES TO THE COMPONENTS SHOWN ON SHEETS C610, C710, AND C720

INSPECTIONS

1. WATER
- HYDROSTATIC PRESSURE AND LEAKAGE TEST PER AWWA C600 & AWWA C605
- DISINFECTION AND BACTERIOGICAL TEST PER AWWA C651
- OPEN TRENCH INSPECTION OF ALL PIPING AND APPURTENANCES
- TRACER WIRE CONTINUITY TEST

1. GRAVITY STORM DRAIN
- STRUCTURE AND BASIN INSPECTION AND VACUUM TESTING PER ASTM C1244
- JOINT INSPECTION PER ASTM C1103 (IF WATERTIGHT CONNECTION IS SPECIFIED)
- OPEN TRENCH INSPECTION OF ALL PIPING AND APPURTENANCES
- LINE AND GRADE VERIFICATION (LASER OR SURVEY)

2. GRAVITY SEWER
- LOW PRESSURE AIR TEST PER ASTM F1417
- MANDREL (DEFLECTION) TEST FOR FLEXIBLE PIPE PER ASTM D3034
- OPEN TRENCH INSPECTION OF ALL PIPING AND APPURTENANCES
- LINE AND GRADE VERIFICATION (LASER OR SURVEY)

1. SEPTIC
- TANK LEAKAGE TESTING ON ALL TANKS PER ASTM C1227
- PUMP STARTUP AND FLOAT TESTING *
- SQUIRT TEST OF DISTRIBUTION LINES *
- OPEN TRENCH INSPECTION OF MANIFOLDS, ALL PRESSURIZED PIPING, AND VALVE PLACEMENT *
- FORCE MAIN PRESSURE TEST
- OPEN TRENCH INSPECTION OF LATERALS
- AUDIO AND VISUAL ALARM *

1. PAVING AND EARTHWORK
- SUBGRADE COMPACTION TESTING (SEE NOTE 2 ON SHEET C300)
- BASE ROCK COMPACTION TESTING *
- ASPHALT INSPECTION TESTING DURING INSTALLATION PER CALTRANS RSS, NO DESTRUCTIVE TESTING REQUIRED

* INDICATES INSPECTIONS TO BE PERFORMED BY THE ENGINEER OR GEOTECHNICAL ENGINEER, UNLESS OTHERWISE AUTHORIZED IN WRITING, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO BUSINESS DAYS NOTICE PRIOR TO THE REQUESTED INSPECTION DATE.

ALL OTHER INSPECTIONS MAY BE PERFORMED BY A QUALIFIED REPRESENTATIVE OF THE CONTRACTOR. DOCUMENTATION DEMONSTRATING COMPLIANCE WITH THE PROJECT PLANS, SPECIFICATIONS, AND APPLICABLE STANDARDS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. SUCH DOCUMENTATION SHALL INCLUDE, AS APPLICABLE, FIELD REPORTS, PHOTOGRAPHS, TEST RESULTS, AND SUPPORTING CALCULATIONS, CONFIRMING THAT THE WORK MEETS OR EXCEEDS PROJECT REQUIREMENTS.

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ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN DENBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
90% CD	23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 17-APRIL-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C010

CIVIL LEGENDS, ABBREVIATIONS, AND NOTES

TOPOGRAPHIC SURVEY NOTES

1. EXISTING GRADES, TOPOGRAPHIC INFORMATION, AND PROPERTY LINES SHOWN HEREON ARE DERIVED FROM A SURVEY PREPARED BY SHARRAH DUNLAP SAWYER, INC (SDS) AND WERE USED AS THE BASIS OF DESIGN. NO ADDITIONAL FIELD VERIFICATION OF EXISTING TOPOGRAPHY WAS PERFORMED. SURVEY DATE AND DATUM INFORMATION ARE SHOWN ON THE MAP TITLED "TOPOGRAPHIC SURVEY," DATED JUNE 2024.
2. CONTOUR INTERVAL: 2 FEET.
3. APPROXIMATE TREE LOCATIONS ARE SHOWN HEREON. TREE DIAMETERS AND RELATED DETAILS CAN BE FOUND ON THE REFERENCED TOPOGRAPHIC SURVEY. CONSULTATION WITH A CERTIFIED ARBORIST IS RECOMMENDED WHERE APPLICABLE. TREES LESS THAN 6 INCHES IN DIAMETER ARE NOT SHOWN.
4. UNITS OF MEASUREMENT SHOWN HEREON ARE IN TERMS OF THE U.S. SURVEY FOOT AND DECIMALS THEREOF.
8. EXISTING UTILITIES/UNDERGROUND FEATURES SHOWN HEREON ARE BASED UPON ABOVE-GROUND, OBSERVED EVIDENCE. NO OTHER SOURCE INFORMATION SUCH AS POTHOLE DATA OR UTILITY MARKINGS WERE UTILIZED. CONTRACTOR SHALL PERFORM EXPLORATORY MEASURES, AS DESCRIBED IN WATER AND SEWER UTILITY NOTES, TO CONFIRM UNDERGROUND UTILITY ASSUMPTIONS PRIOR TO CONSTRUCTION.

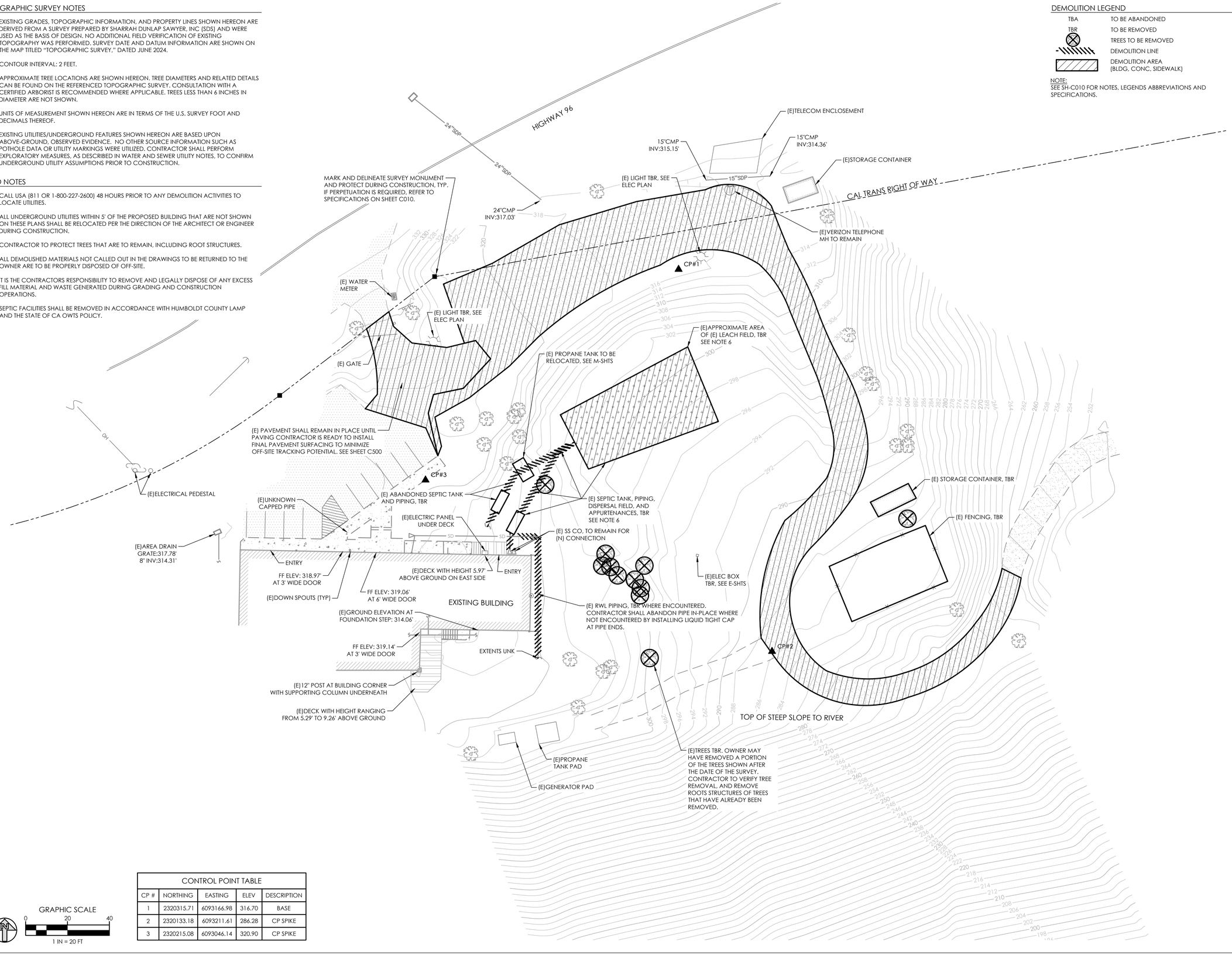
DEMO NOTES

1. CALL USA (811 OR 1-800-227-2600) 48 HOURS PRIOR TO ANY DEMOLITION ACTIVITIES TO LOCATE UTILITIES.
2. ALL UNDERGROUND UTILITIES WITHIN 5' OF THE PROPOSED BUILDING THAT ARE NOT SHOWN ON THESE PLANS SHALL BE RELOCATED PER THE DIRECTION OF THE ARCHITECT OR ENGINEER DURING CONSTRUCTION.
3. CONTRACTOR TO PROTECT TREES THAT ARE TO REMAIN, INCLUDING ROOT STRUCTURES.
4. ALL DEMOLISHED MATERIALS NOT CALLED OUT IN THE DRAWINGS TO BE RETURNED TO THE OWNER ARE TO BE PROPERLY DISPOSED OF OFF-SITE.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO REMOVE AND LEGALLY DISPOSE OF ANY EXCESS FILL MATERIAL AND WASTE GENERATED DURING GRADING AND CONSTRUCTION OPERATIONS.
6. SEPTIC FACILITIES SHALL BE REMOVED IN ACCORDANCE WITH HUMBOLDT COUNTY LAMP AND THE STATE OF CA OWTS POLICY.

DEMOLITION LEGEND

TBA	TO BE ABANDONED
TBR	TO BE REMOVED
	TREES TO BE REMOVED
	DEMOLITION LINE
	DEMOLITION AREA (BLDG, CONC, SIDEWALK)

NOTE:
SEE SH-C010 FOR NOTES, LEGENDS ABBREVIATIONS AND SPECIFICATIONS.



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GRAPHIC SCALE
0 20 40
1 IN = 20 FT

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ARCHITECT'S STAMP

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RENEWAL DATE
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES:

ISSUE	DATE
90% CD	23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
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PROJECT NO. C1276
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ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C100

EXISITNG SITE & DEMO PLAN

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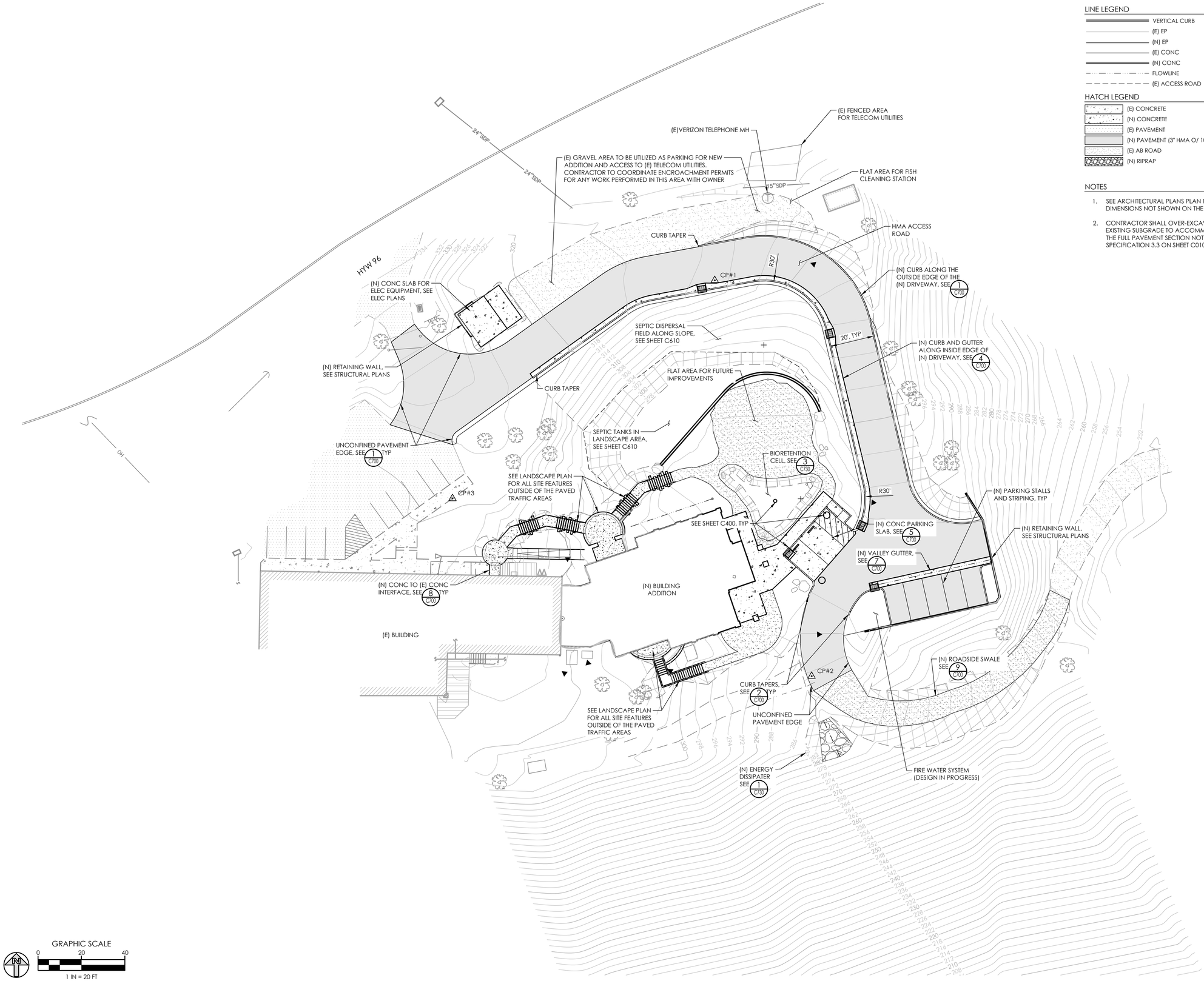

GRAPHIC SCALE
0 20 40
1 IN = 20 FT

LINE LEGEND
- VERTICAL CURB
- (E) EP
- (N) EP
- (E) CONC
- (N) CONC
- FLOWLINE
- (E) ACCESS ROAD

HATCH LEGEND
- (E) CONCRETE
- (N) CONCRETE
- (E) PAVEMENT
- (N) PAVEMENT (3" HMA O/ 10" AB)
- (E) AB ROAD
- (N) RIPRAP

NOTES
1. SEE ARCHITECTURAL PLANS PLAN FOR DIMENSIONS NOT SHOWN ON THE C-SHTS.
2. CONTRACTOR SHALL OVER-EXCAVATE THE EXISTING SUBGRADE TO ACCOMMODATE THE FULL PAVEMENT SECTION NOTED IN SPECIFICATION 3.3 ON SHEET C010.

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ARCHITECT'S STAMP

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C200

CIVIL SITE PLAN

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HATCH LEGEND

- (E) CONCRETE
- (N) CONCRETE
- (E) PAVEMENT
- (N) PAVEMENT (SEE SH C010)
- (E) AB ROAD
- (N) RIPRAP

APPROXIMATE GROSS EARTHWORK QUANTITIES (NEAT LINE)

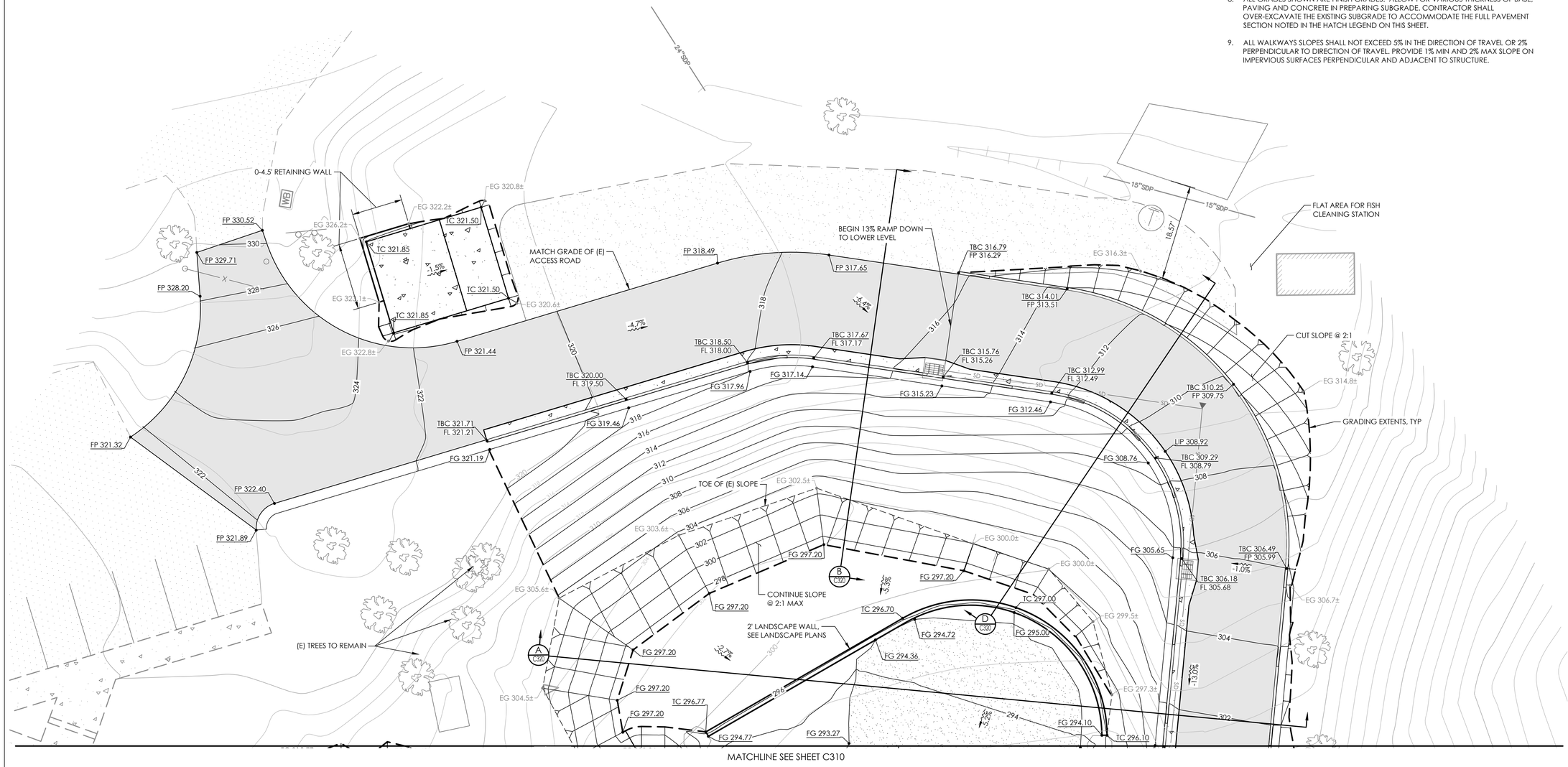
CONCEPTUAL DESIGN EARTHWORK QUANTITIES:

2,600 CY - CUT
1,600 CY - FILL

THESE QUANTITIES ARE BASED ON NEAT LINE CALCULATIONS AND DO NOT INCLUDED SHRINKAGE, SWELLING, OR TRENCHING AND FOOTING SPOILS. THE ESTIMATED QUANTITIES ARE FOR BUDGETARY PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF EARTHWORK QUANTITIES.

GRADING & EARTHWORK NOTES

1. ALL GRADING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS STATED IN THE PROJECT GEOTECHNICAL ENGINEERING REPORT SPECIFIED ON SHEET C010.
2. A REPRESENTATIVE OF THE GEOTECH SHOULD BE PRESENT DURING ALL GRADING AND EARTHWORK OPERATIONS, UNLESS DIRECTED OTHERWISE BY THE YUROK TRIBE CONSTRUCTION MANAGER.
3. THE STANDARD TEST USED TO DEFINE MAXIMUM DENSITIES AND OPTIMUM MOISTURE CONTENT OF ALL COMPACTION WORK SHALL BE THE LABORATORY TEST PROCEDURE ASTM D1557 AND FIELD TESTS SHALL BE EXPRESSED AS A RELATIVE COMPACTION IN TERMS OF THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT OBTAINED IN THE LABORATORY BY THE FOREGOING STANDARD PROCEDURE. UNLESS OTHERWISE DIRECTED BY THE GEOTECH, FIELD DENSITY AND MOISTURE TESTS SHOULD BE MADE IN EACH COMPACTED LAYER IN ACCORDANCE WITH ASTM D6938, RESPECTIVELY.
4. ALL AREAS TO RECEIVE FILL ARE TO BE SCARIFIED A MINIMUM DEPTH OF 8", MOISTURE CONDITIONED TO WITHIN 2% OPTIMUM MOISTURE, AND COMPACTED TO 90% RELATIVE COMPACTION IN 8" MAX LOOSE LIFTS.
5. IN AREAS WITHIN THE LIMITS OF NEW PAVING OR CONCRETE FLATWORK, THE UPPER 8" OF OF SUBGRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION REGARDLESS IF THE SUBGRADE ELEVATION IS ACHIEVED BY EXCAVATION, FILL, OR LEFT AT GRADE.
6. ENGINEERED FILL SHALL CONSIST OF ONSITE SOILS THAT ARE FREE FROM ORGANICS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. SOIL SHALL CONSIST OF GRANULAR WITH NO PARTICLES GREATER THAN 3" IN DIAMETER, HAVE AN EXPANSION INDEX OF 30 OR LESS, AND HAVE A MINIMUM R-VALUE OF 20. AGGREGATE BASE MAY BE UTILIZED AS AN ACCEPTABLE ALTERNATIVE.
7. GRADE SITE TO THE GRADES SHOWN. CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY WITH NO ADDITIONAL COST TO THE OWNER.
8. ALL GRADES SHOWN ARE FINISH GRADES. ALLOW FOR VARIOUS THICKNESS OF BASE, PAVING AND CONCRETE IN PREPARING SUBGRADE. CONTRACTOR SHALL OVER-EXCAVATE THE EXISTING SUBGRADE TO ACCOMMODATE THE FULL PAVEMENT SECTION NOTED IN THE HATCH LEGEND ON THIS SHEET.
9. ALL WALKWAYS SLOPES SHALL NOT EXCEED 5% IN THE DIRECTION OF TRAVEL OR 2% PERPENDICULAR TO DIRECTION OF TRAVEL. PROVIDE 1% MIN AND 2% MAX SLOPE ON IMPERVIOUS SURFACES PERPENDICULAR AND ADJACENT TO STRUCTURE.



GRAPHIC SCALE
0 10 20
1 IN = 10 FT

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ARCHITECT'S STAMP

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23001 CA HYW 96
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C300

ENLARGED GRADING PLAN

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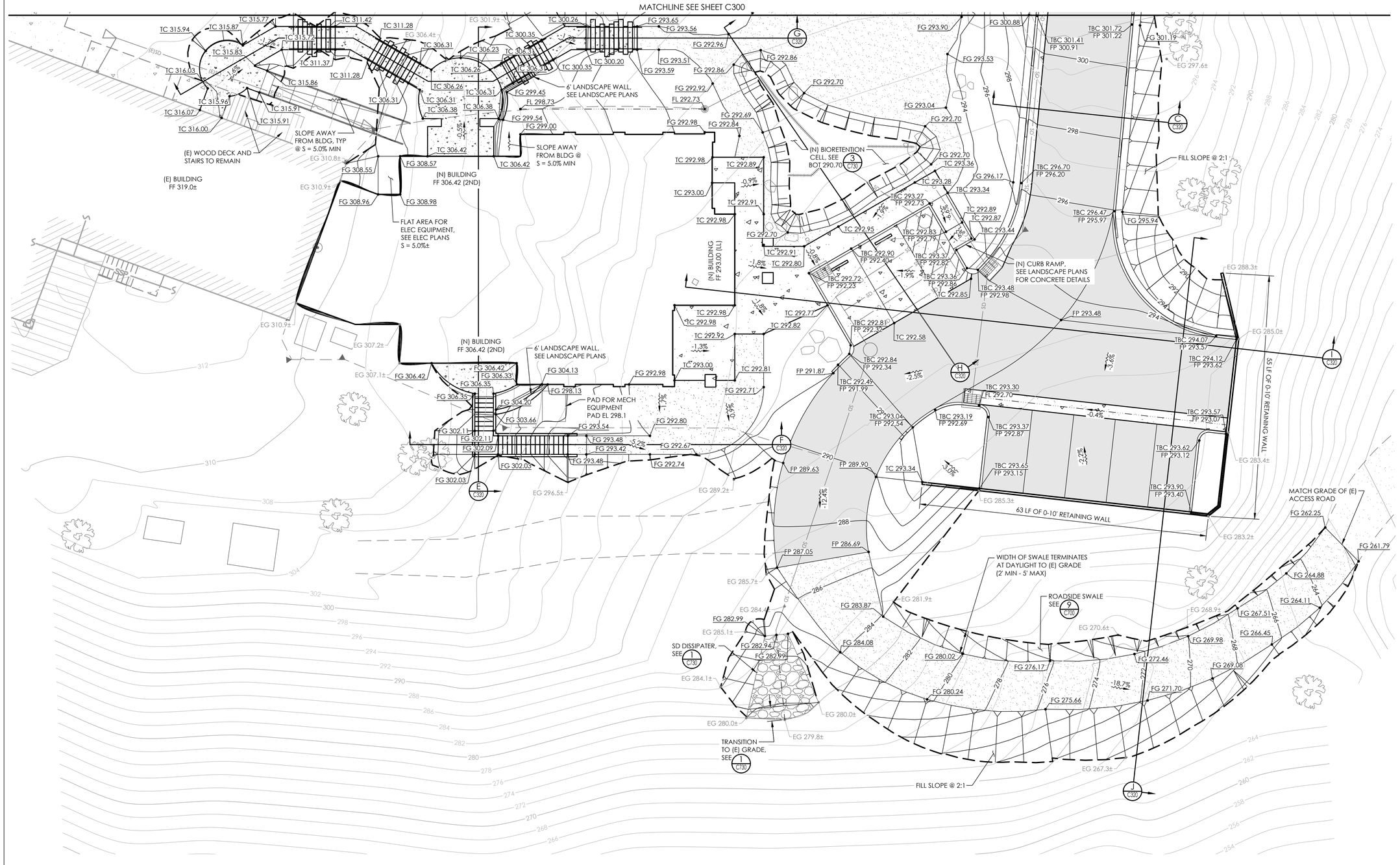

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SHEET NO.

C310

ENLARGED GRADING PLAN

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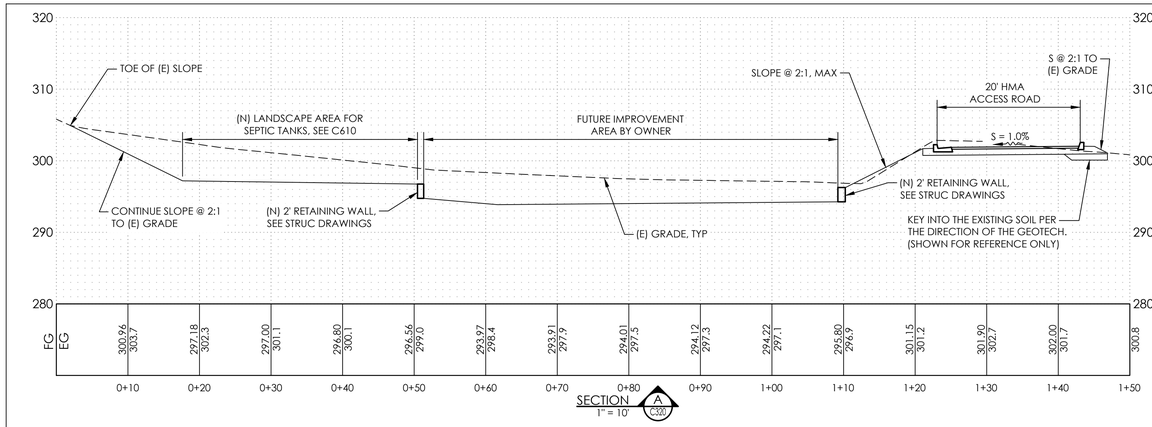

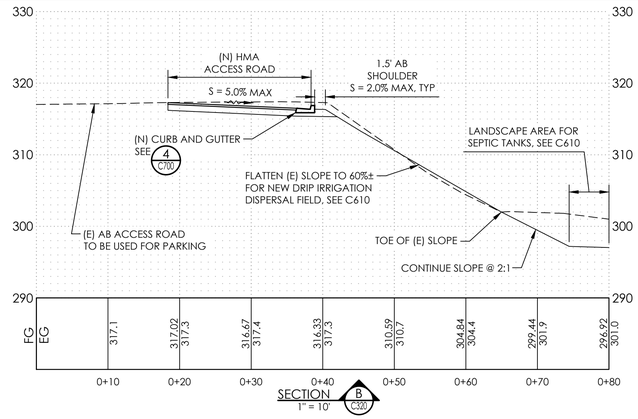

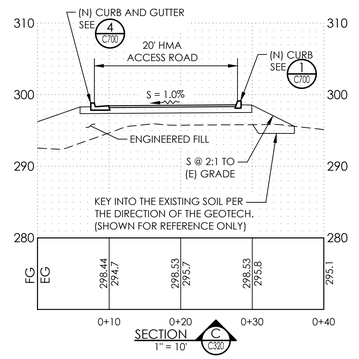

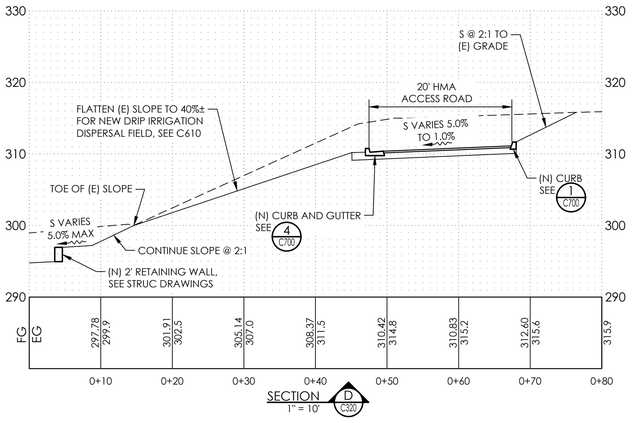

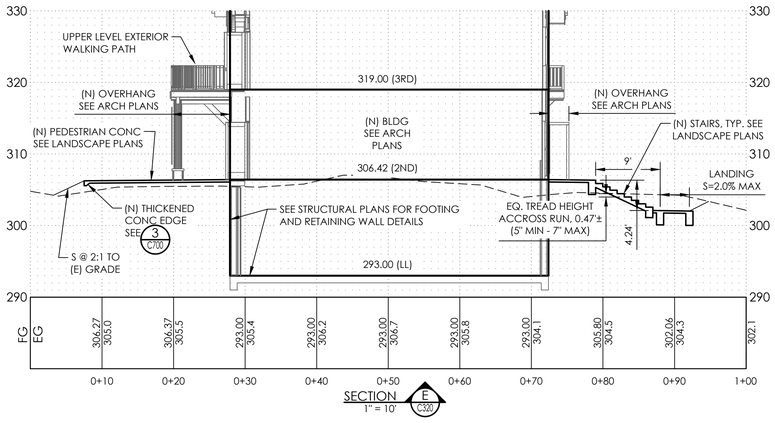

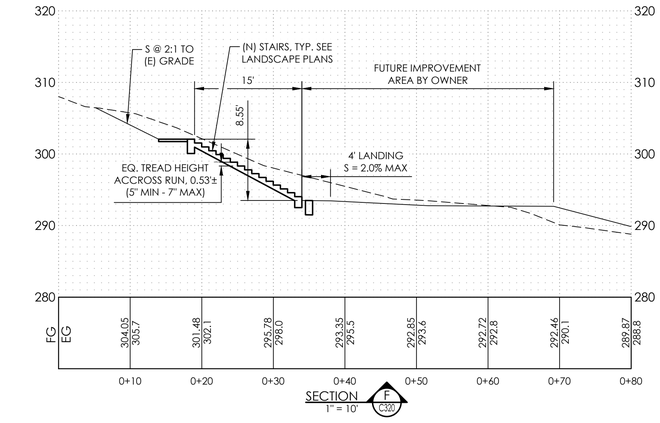

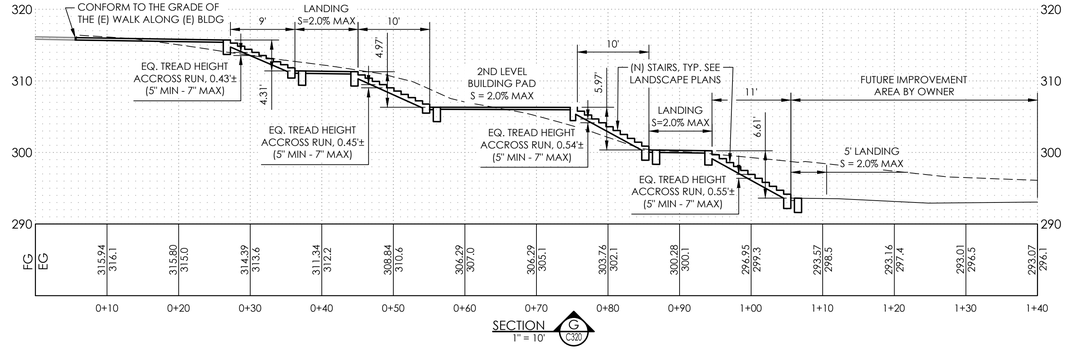

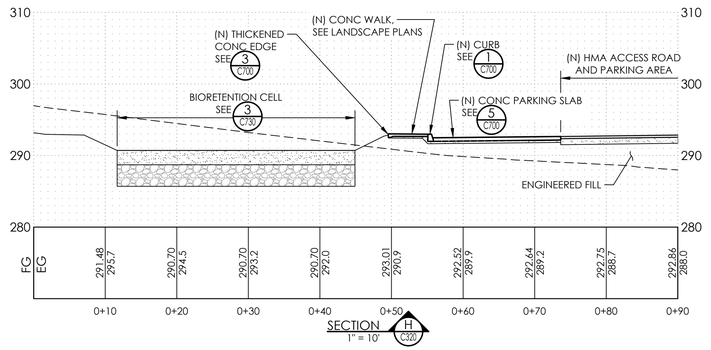

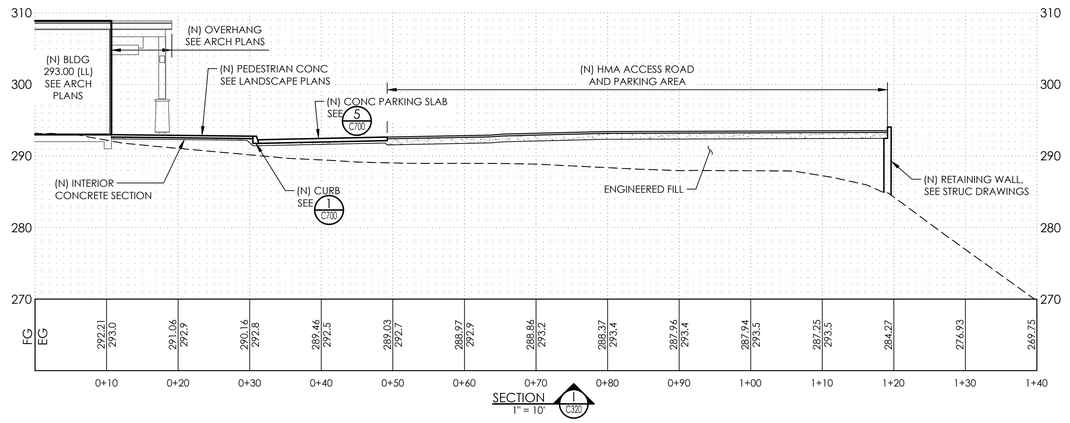

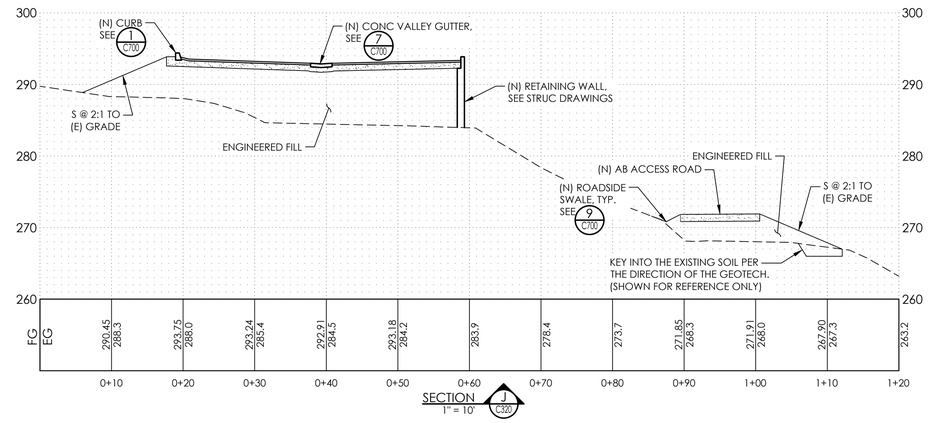

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ARCHITECT'S STAMP

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STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
90% CD	23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 17-APRIL-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C320

GRADING PROFILES

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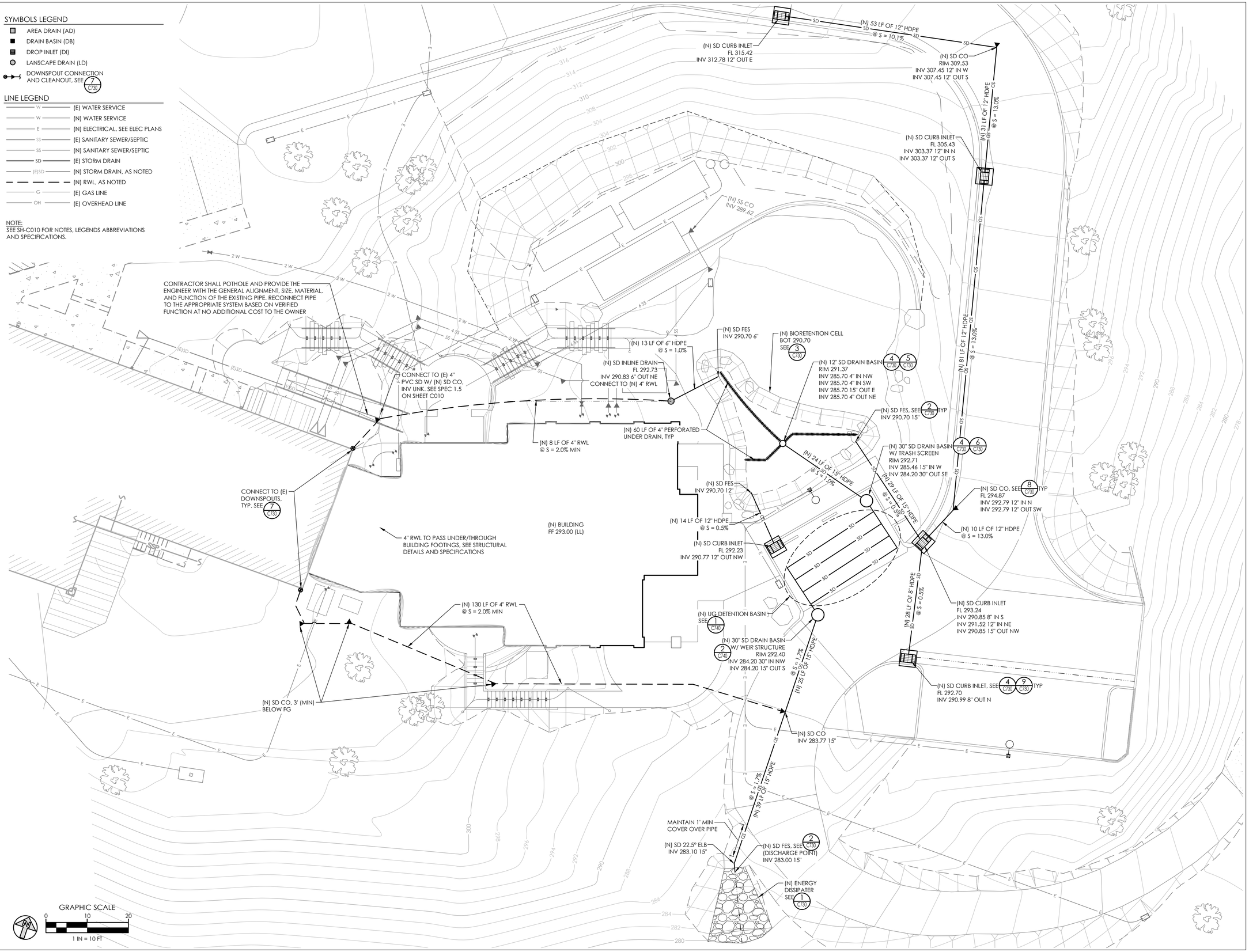
SYMBOLS LEGEND

- AREA DRAIN (AD)
- DRAIN BASIN (DB)
- DROP INLET (DI)
- LANSCAPE DRAIN (LD)
- DOWNSPOUT CONNECTION AND CLEANOUT, SEE 7/C730

LINE LEGEND

- W — (E) WATER SERVICE
- W — (N) WATER SERVICE
- E — (N) ELECTRICAL, SEE ELEC PLANS
- SS — (E) SANITARY SEWER/SEPTIC
- SS — (N) SANITARY SEWER/SEPTIC
- SD — (E) STORM DRAIN
- (E)SD — (N) STORM DRAIN, AS NOTED
- (N) RWL, AS NOTED
- G — (E) GAS LINE
- OH — (E) OVERHEAD LINE

NOTE:
SEE SH-C010 FOR NOTES, LEGENDS ABBREVIATIONS AND SPECIFICATIONS.



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-		-

PROJECT NO. C1276
DATE: 17-APRIL-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C400

STORM DRAIN PLAN

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EROSION/SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL AND UTILIZE THE LOCATION SHOWN FOR THEIR ENTRANCE/EXIT OF THE WORK SITE PER DETAILS ON SHEET C750.
2. CONTRACTOR SHALL INSTALL TYPE 2 FIBER ROLL TO PREVENT SEDIMENT FROM LEAVING THE SITE. IN ADDITION, THE CONTRACTOR SHALL INSTALL TYPE 2 FIBER ROLL AROUND STOCKPILES PRIOR TO RAIN EVENTS AND IF STOCKPILE WILL NOT BE USED FOR A LONG DURATION PER DETAILS ON SHEET C750.
3. CONTRACTOR SHALL CONSTRUCT GRAVEL BAG AREA DRAIN/DROP INLET SEDIMENT BARRIER PER DETAILS ON SHEET C750.
4. CONTRACTOR SHALL INSTALL SILT FENCE PERIMETER CONTROL PER DETAILS ON SHEET C750. PERIODIC GRAVEL BAG BERMS SHALL BE CONSTRUCTED INSTALLED WHERE SHOWN.
5. POTENTIAL TEMPORARY STOCKPILE LOCATION DURING CONSTRUCTION, SHOWN FOR PLANNING PURPOSES ONLY. SEE DETAILS ON SHEET C750 FOR ANCHORAGE AND STABILIZATION. CONTRACTOR SHALL PROVIDE ENGINEER WITH PROPOSED LOCATIONS IF DEVIATIONS ARE REQUIRED DURING CONSTRUCTION.
6. PROPOSED STAGING AREA, FOR PLANNING PURPOSES ONLY. STAGING AREA SHALL CONTAIN CONCRETE WASHOUT, TRASH BIN, SPILL KITS, AND ANY OTHER POTENTIAL CONTAMINATES THAT MAY BE PRESENT ON-SITE. FUELING OF EQUIPMENT SHALL BE MINIMIZED ON-SITE AND ONLY PERFORMED IN THE VICINITY OF THE SPILL KIT ON TOP OF A SECONDARY CONTAINMENT DEVICE. NO EQUIPMENT MAINTENANCE PERMITTED ON THE PROJECT.
7. CONTRACTOR SHALL SWEEP PAVEMENT, AS NECESSARY, TO REMOVE ANY CONSTRUCTION DIRT THAT IS TRACKED ONTO THE PROJECT'S ADJACENT STREETS.
8. DURING CONSTRUCTION, CONTRACTOR SHALL INSTALL EROSION CONTROL MAT, STRAW MULCH, WOOD MULCH, OR HYDRAULIC MULCH ON ALL DISTURBED AREAS INACTIVE FOR 14 DAYS OR GREATER AND PRIOR TO ANY RAIN EVENT.
9. FOR ALL AREAS THAT WILL NOT RECEIVE PERMANENT LANDSCAPING OR HARDSCAPING, CONTRACTOR SHALL INSTALL HYDROMULCH OR HYDROSEED AS A FINAL STABILIZATION MEASURE AFTER THE SITE REACHES FINAL STABILIZATION. SEED MIXTURE SHALL BE PER THE DIRECTION OF THE OWNER AND LANDSCAPE ARCHITECT.
10. ONCE CONSTRUCTION OF THE SITE IS COMPLETE AND/OR PERMANENT SITE VEGETATION / LANDSCAPING IS INSTALLED BARRIERS AND SILT FENCE SHALL BE REMOVED.
11. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL BMP'S PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT BMP'S REMAIN IN PLACE AND ARE FUNCTIONAL DURING CONSTRUCTION.

WATER POLLUTION CONTROL PLAN (WPCP)

THE WATER POLLUTION CONTROL PLAN (WPCP) IS TO BE RETAINED AND MAINTAINED ONSITE INCLUDING FINAL LANDSCAPING PLANS AND ANY OTHER EROSION CONTROL DOCUMENTATION. A WPCP ADMINISTRATOR WILL BE DESIGNATED BY THE CONTRACTOR AND IS RESPONSIBLE FOR DEVELOPING, IMPLEMENTING, MAINTAINING, AND REVISING THIS WPCP. THE WPCP ADMINISTRATOR IS THE CONTACT FOR ALL WPCP-RELATED ISSUES AND IS RESPONSIBLE FOR ITS ACCURACY, COMPLETENESS, AND IMPLEMENTATION. THE FOLLOWING HAS BEEN DESIGNATED AS THE WPCP ADMINISTRATOR FOR THIS PROJECT:

NAME: _____

CONTACT INFO: _____

_____

THE PROPOSED PROJECT CONSISTS OF UTILITY SERVICE CONNECTIONS, OVERLOT GRADING, BUILDING ADDITION, PAVING OF SIDEWALKS, PARKING LOTS, ENTRANCE DRIVES, UTILITY INFRASTRUCTURE. CONSTRUCTION FOR THE YUROK TRIBE IN WEITCHPEC, CA. THE ESTIMATED AREA OF DISTURBANCE FOR THIS PROJECT IS APPROXIMATELY 0.96 ACRES. NO AREA GREATER THAN 1 ACRE SHALL BE DISTURBED AT ANY GIVEN TIME. NO CONSTRUCTION ACTIVITIES SHALL OCCUR OFFSITE OR OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN ON THE CONSTRUCTION DOCUMENTS. IF ADDITIONAL AREA IS REQUIRED DURING CONSTRUCTION, THE WPCP ADMINISTRATOR IS RESPONSIBLE TO UPDATE AND MAINTAIN THE WPCP AND/OR SUPPLY ANY ADDITIONAL DOCUMENTS REQUIRED TO COMPLY WITH THE EPA GENERAL CONSTRUCTION PERMIT (GCP).

THE SEQUENCE OF CONSTRUCTION STARTS IS AS FOLLOWS:

PHASE	ESTIMATED	ACTUAL
CONSTRUCTION START	AUGUST 2026	_____
ROAD AND OVERLOT GRADING	AUGUST 2026	_____
BUILDING RENOVATION	OCTOBER 2026	_____
PAVING	APRIL 2027	_____
FINAL STABILIZATION	SEPTEMBER 2027	_____

THE EXISTING SITE CONSISTS OF PRIMARILY DEVELOPED LAND WITH MINOR VEGETATION. THE ESTIMATED HISTORIC AND DEVELOPED CURVE NUMBERS ARE 78 FOR VEGETATED AREAS AND 98 FOR IMPERVIOUS AREAS, SUCH AS PAVEMENT AND BUILDINGS.

THE OFFSITE RUNOFF FLOWS OFF THE PROPERTY INTO THE KLAMATH RIVER TO THE SOUTH. ONSITE FLOWS FROM THE HILLSIDE TO THE NORTH ARE GENERALLY INTERCEPTED BY EXISTING CALTRANS INFRASTRUCTURE ALONG HWY 96 AND DISCHARGED AWAY FROM THE PROJECT SITE. ONSITE DETENTION WILL BE PROVIDED BY A STAGED STORAGE SYSTEM. THE FIRST IS A BIORETENTION FACILITY, PRIMARILY INTENDED TO TREAT THE STORMWATER QUALITY, AND THE SECOND IS A SERIES OF UNDERGROUND STORAGE BARRELS. A DRAINAGE REPORT FOR THIS DEVELOPMENT HAS BEEN PREPARED SEPARATELY OF THESE DRAWINGS.

OTHER POTENTIAL POLLUTION SOURCES SUCH AS CEMENT WASTE, VEHICLE FUELING, STORAGE OF FERTILIZER OR CHEMICALS, VEHICLE WASHING, LOADING/ UNLOADING AREAS, ETC. WILL BE PRESENT IN THE AREAS SHOWN. NON-STORMWATER COMPONENTS OF THE DISCHARGE, SUCH AS LANDSCAPE IRRIGATION AND OTHER GENERAL TYPES OF LEGAL DISCHARGE FROM POTABLE WATER SOURCES MAY BE PRESENT DURING CONSTRUCTION ACTIVITIES FOR CLEANING AND DUST CONTROL.

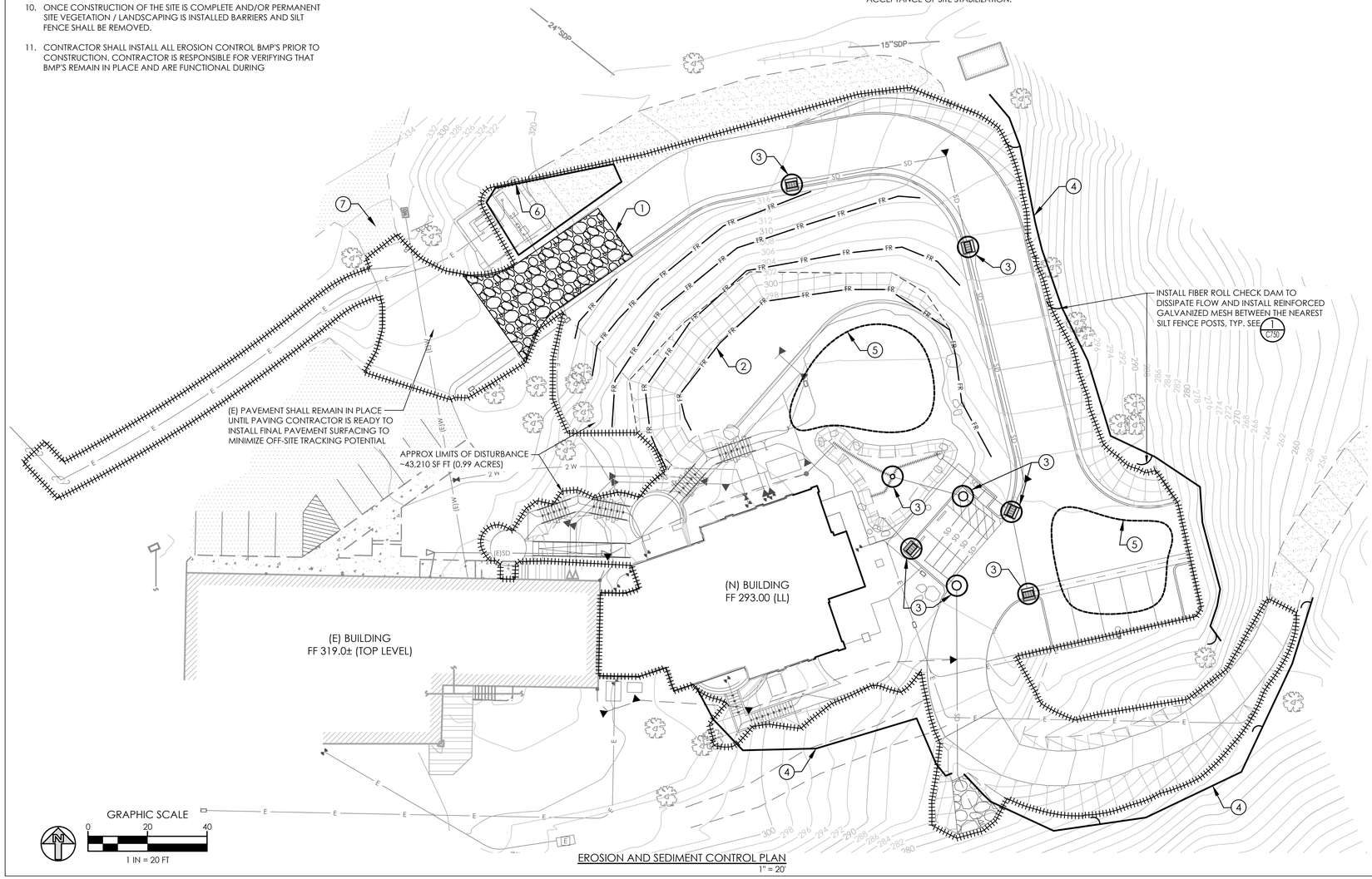
ITEMS ARE SCHEDULED TO BE IMPLEMENTED ACCORDING TO THE CONSTRUCTION SCHEDULE. AS WORK PROCEEDS, IMPLEMENTATION OF INDIVIDUAL BMPS IS TO COINCIDE WITH THE CONSTRUCTION THEREBY MINIMIZING THE EXPOSURE OF UNPROTECTED AREAS. THE SILT FENCE, FIBER ROLLS, INLET PROTECTION (FOR EXISTING INLETS), AND GRAVELING OF THE CONSTRUCTION ENTRANCE WILL BE PERFORMED WHEN THE GRADING BEGINS. THE INLET PROTECTION WILL BE INSTALLED AS THE STORM SEWER STRUCTURES ARE CONSTRUCTED. THE STRUCTURAL BMPS THAT DO NOT BECOME PART OF THE PERMANENT STORMWATER MANAGEMENT PLAN ARE TO BE REMOVED, AS THE PAVING, LANDSCAPING, AND OTHER PERMANENT GROUNDCOVER INSTALLATIONS ARE COMPLETED. FUGITIVE DUST EMISSIONS RESULTING FROM GRADING ACTIVITIES AND/OR WIND SHALL BE CONTROLLED USING THE BEST AVAILABLE CONTROL TECHNOLOGY AT THE TIME OF GRADING. THE GRAVELING IS TO BE MAINTAINED AS EXTENDED CONSTRUCTION PROGRESSES ESPECIALLY AROUND THE BUILDING SITE. THE STRUCTURAL BMPS ARE TO BE REMOVED, AS THE PERMANENT LANDSCAPING INSTALLATIONS ARE COMPLETED.

THE EROSION AND SEDIMENT CONTROL PLAN MAY BE MODIFIED BY THE ENGINEER, TRIBES REPRESENTATIVE, MUNICIPALITY, OR THE CONTRACTORS AUTHORIZED REPRESENTATIVE AS FIELD CONDITIONS WARRANT.

INSPECTION AND MAINTENANCE:
THE EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY DURING CONSTRUCTION BY THE CONTRACTOR AND AFTER EACH RAIN EVENT. ALL INSPECTIONS SHALL BE DOCUMENTED AND SHALL INCLUDE THE DATE OF INSPECTION, ANY INCIDENCE OF NON-COMPLIANCE, SIGNED CERTIFICATION THAT THE SITE IS IN COMPLIANCE, AND ANY NOTES, DRAWINGS, MAPS, ETC. PERTAINING TO REPAIRS. COPIES OF ALL DOCUMENTATION SHALL BE DISTRIBUTED TO MUNICIPALITIES AND OWNER ON A REGULAR BASIS AS SPECIFIED BY OWNER. SILT FENCE AND FIBER ROLLS SHALL BE CHECKED FOR UNDERMINING AND BYPASS AND REPAIRED OR EXPANDED AS NEEDED. SEDIMENT SHALL BE REMOVED FROM INLET FILTERS AND FIBER ROLLS BEFORE ONE HALF OF THE DESIGN DEPTH HAS BEEN FILLED. SEDIMENTS DEPOSITED IN THE PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY. THE TEMPORARY STABILIZATION BMPS OF BARE SOILS SHALL BE CHECKED REGULARLY AND AREAS WHERE IT IS LOST OR DAMAGED SHALL BE REHABILITATED. AT MINIMUM THE CONTRACTOR, OR HIS AGENT, SHALL INSPECT ALL BMPS EVERY 7 DAYS AND AFTER SIGNIFICANT PRECIPITATION EVENTS. INSTALLATIONS AND MODIFICATIONS AS REQUIRED BY THE TRIBES QUALIFIED REPRESENTATIVE OR ENGINEER WILL BE IMPLEMENTED WITHIN 48 HOURS OF NOTIFICATION. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL MEASURES AND REPAIR AREAS AS REQUIRED AFTER VEGETATION IS ESTABLISHED AND ACCEPTED BY OWNER.

FINAL STABILIZATION AND LONG-TERM STORMWATER QUALITY:
FINAL STABILIZATION IS REACHED WHEN ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND UNIFORM VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% OR PRE-DISTURBANCE LEVELS OR EQUIVALENT PERMANENT, PHYSICAL EROSION REDUCTION METHODS HAVE BEEN EMPLOYED. FINAL STABILIZATION WILL BE ACHIEVED USING SOD, NATIVE SEEDING, PERMANENT BMP'S, AND OTHER METHODS. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL STABILIZATION REGARDLESS OF ACCEPTANCE BY OWNER OF THE CONTRACTOR ITEM.

AFTER FINAL STABILIZATION IS ACHIEVED, CONTRACTOR SHALL PROVIDE FINAL STABILIZATION REPORT DOCUMENTING STABILIZED CONDITIONS IN ALL PROJECT CONSTRUCTION AREAS TO THE OWNER AND ENGINEER FOR REVIEW AND FINAL ACCEPTANCE OF SITE STABILIZATION.



EROSION AND SEDIMENT CONTROL PLAN
1" = 20'

BEST MANAGEMENT PRACTICES (BMPS) FOR STORMWATER MANAGEMENT

NON STRUCTURAL BMPS SHALL BE IMPLEMENTED TO THE MAXIMUM EXTENT POSSIBLE. THE UTILIZATION OF NON- STRUCTURAL BMPS SHALL BE AN ONGOING PROCESS DIRECTED AT PREVENTING EROSION. THE NON STRUCTURAL BMPS SHALL RECEIVE CONTINUOUS EMPHASIS THROUGHOUT CONSTRUCTION BECAUSE THEY AVERT PROBLEMS BEFORE THEY OCCUR AND REDUCE THE NEED FOR STRUCTURAL BMPS. NON STRUCTURAL BMPS SHALL CONSIST PRIMARILY OF PRESERVATION OF EXISTING MATURE VEGETATION AND TREES, PLANNING AND SCHEDULING CONSTRUCTION ACTIVITIES AIMED AT ACHIEVING THE GOAL OF MINIMIZING EROSION, FURTHERMORE, CONSTRUCTION PERSONNEL SHALL BE INSTRUCTED AND SUPERVISED IN CONSTRUCTION METHODS CONSISTENT WITH EROSION PREVENTION PRACTICES.

PLANNED STRUCTURAL BMPS FOR EROSION AND SEDIMENT CONTROL ARE SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN. IMPLEMENTING THESE MEASURES SHOULD MINIMIZE NUISANCE SILT AND SEDIMENTATION EXITING THE SITE AND PREVENT CLOGGING EXISTING STORM SEWERS AND STREET GUTTERS.

APPLICATION OF THESE BMPS FOR STORMWATER MANAGEMENT ARE FOR CONSTRUCTION PERIODS AND ARE CONSIDERED TEMPORARY. POST-DEVELOPMENT STORMWATER MANAGEMENT IS PROVIDED THROUGH VEGETATED LANDSCAPED AREAS, GRASSED OVERLAND FLOW, AND THE UTILIZATION OF THE PERMANENT DETENTION AND WATER QUALITY POND.

VEHICLE TRACKING CONTROL (VTC):
A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED AT CATERPILLAR ROAD THE CONSTRUCTION ACCESS AND PARKING WILL BE GRADED AND COVERED WITH A CRUSHED STONE BASE COURSE DURING CONSTRUCTION. THE VEHICLE TRACKING CONTROL WILL BE RELOCATED WITH THE CONSTRUCTION ACCESS AS NECESSARY. SEE DETAILS ON SHEET C750.

FIBER ROLLS:
FIBER ROLLS SHALL BE INSTALLED WITH RESPECT TO PROPOSED DRAINAGE PATTERNS. FIBER ROLLS SHALL BE CONSTRUCTED WHERE SHOWN ON THE EROSION CONTROL PLAN. FIBER ROLLS SHALL BE INSTALLED AT THE DOWNHILL SIDE OF THE EXISTING SLOPES ACROSS THE SITE AND AT ALL DISCHARGE POINTS WHETHER SHOWN OR NOT. FIBER ROLLS SHALL BE MAINTAINED AS NEEDED THROUGHOUT THE CONSTRUCTION PROCESS AND REMAIN FUNCTIONAL UNTIL THE STORM SEWER STRUCTURES ARE COMPLETED AND GROUND COVER IS EFFECTIVE. SEE DETAILS ON SHEET C750.

INLET PROTECTION (IP):
THE INLET PROTECTION WILL BE INSTALLED AS THE STORM SEWER STRUCTURES ARE CONSTRUCTED. EACH INLET ON THE PROPOSED STORM SEWER SYSTEM WILL HAVE A TEMPORARY INLET SEDIMENT TRAP CONSTRUCTED AROUND IT. SEDIMENT TRAPS SHALL CONSIST OF GRAVEL BAG AREA DRAIN/DROP INLET SEDIMENT BARRIER PER DETAILS ON SHEET C750, SUBSTITUTING GRAVEL BAGS FOR STRAW BALES.

OVERLOT GRADING:
ALL OPEN AREAS WILL BE TREATED WITHIN 14 DAYS OF COMPLETION OF THE OVERLOT GRADING. ALL OVERLOT GRADING IN THE NON-IRRIGATED AREAS WILL HAVE THE SURFACE ROUGHENED AND WILL BE PERMANENTLY LANDSCAPED OR TEMPORARILY SEEDED UNTIL THE PLANNED INSTALLATIONS ARE COMPLETED. AT THE COMPLETION OF THE MASS GRADING, ALL EXPOSED SOIL AREAS WILL HAVE THE SURFACE ROUGHENED AND PLANTED WITH A REVEGETATION SEED MIX. VEGETATION IS TO BE MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR UNTIL AREAS ARE PERMANENTLY LANDSCAPED. ALTERNATELY, ROUGH-CUT DRIVEWAYS OR PROPOSED PAVED AREAS CAN BE COVERED WITH A LAYER OF AGGREGATE, ROAD BASE OR ASPHALT PAVING.

DUST CONTROL MEASURES:
DISTURBED AREAS NOT YET READY TO BE SEEDED, LANDSCAPED, PAVED, OR OTHERWISE STABILIZED SHALL BE WATERED, OR RIPPED AS NECESSARY TO PRECLUDE VISIBLE DUST EMISSIONS.

STOCKPILE MANAGEMENT:
DURING THE DRY SEASON, STOCKPILES WILL BE KEPT MOIST WITH WATER TO ENSURE WIND EROSION AND DUST CONTROL IS ADEQUATELY ADDRESSED ON THIS SITE. WHEN A STOCKPILE IS INACTIVE FOR 14-DAYS OR MORE, IT IS REQUIRED TO BE BERMED WITH A SECURED FIBER ROLL, COMPOST SOCK, OR ROCK BAGS AND COVERED WITH PLASTIC SHEETING, GEOTEXTILE, OR OTHER EROSION CONTROL COVERING. SEE DETAILS ON C750.

CONCRETE WASTE MANAGEMENT
THE CONCRETE WASH-OUT SHOULD LOCATED BE ON THE CONCRETE TRUCK, IF POSSIBLE. IF WASHOUT IS REQUIRED ON-SITE, IT WILL BE LOCATED IN THE CONSTRUCTION STAGING AREA AND WILL CONSIST OF AN ENCLOSED IMPERVIOUS CONTAINER. THE LEVEL OF WASH WATER IN THE BIN WILL BE MANAGED TO PREVENT OVERFLOW. THE BIN WILL BE COVERED OR CHECKED PRIOR TO STORM EVENTS TO ASSURE THAT THERE IS SUFFICIENT FREEBOARD TO PREVENT OVERFLOWING. SEE DETAILS ON C750.

EROSION CONTROL COVERING:
DURING CONSTRUCTION, ALL DISTURBED SOIL SURFACES WILL BE COVERED WITH AN EFFECTIVE EROSION CONTROL COVERING WHEN:

- THERE HAVE BEEN 14 DAYS OF INACTIVITY ON THAT PORTION OF THE PROJECT.
- WHEN THE GRADING AND EARTHWORK ARE COMPLETE FOR THAT PORTION OF THE PROJECT.
- WHEN THERE IS A FORECAST OF PROLONGED OR HEAVY STORM EVENTS.

TEMPORARY STABILIZATION SHOULD CONSIST OF THE EROSION CONTROL BLANKET, STRAW MULCH, OR WOOD MULCH. HYDRAULIC MULCH MAY BE USED AS AN ALTERNATIVE UNDER THE DIRECTION OF THE ENGINEER. WOOD OR STRAW MULCH SHOULD BE INSTALLED IN A 1 TO 2 INCH THICK LAYER. THE USE OF PLASTIC SHEETING SHOULD BE AVOIDED AND OTHER TEMPORARY STABILIZATION PRODUCTS USED.

TEMPORARY SEEDING
ALL SEEDS FURNISHED SHALL BE PER THE DIRECTION OF THE LANDSCAPE ARCHITECT AND THE TRIBE. SEEDS SHALL BE DRILLED OR HYDROSEEDED. AFTER SEEDING HAS BEEN COMPLETED, A RATE OF 4,000 LBS. OF STRAW PER ACRE SHALL BE APPLIED UNIFORMLY, CRIMPED IN WITH A CRIMPER OR OTHER APPROVED EQUIPMENT OR OTHERWISE ATTACHED. A TACKIFIER OR JUTE NETTING TO ATTACH MULCH MAY BE USED WITH THE OWNER'S APPROVAL. THE SEEDED AREA SHALL BE CRIMPED MULCHED AND THE MULCH ATTACHED WITHIN TWENTY-FOUR (24) HOURS AFTER SEEDING. AREAS NOT MULCHED AND ATTACHED WITHIN TWENTY-FOUR (24) HOURS AFTER SEEDING MUST BE RESEEDED WITH THE SPECIFIED MIX AT THE CONTRACTOR'S EXPENSE, PRIOR TO MULCHING AND ATTACHING. ON STEEP SLOPES OR OTHER SPECIFIED AREAS AS SHOWN ON THE PLANTING PLAN, WHICH ARE DIFFICULT TO MULCH AND ATTACH BY CONVENTIONAL METHOD, BURLAP OR OTHER BLANKETING MATERIALS PROPERLY ANCHORED AND SECURED MAY BE USED WHEN APPROVED BY THE ENGINEER.

PERMANENT STABILIZATION MEASURES:
THE BIORETETION BASIN WILL BECOME PART OF THE PERMANENT STORMWATER MANAGEMENT PLAN AND WILL NOT BE REMOVED. PERMANENT LANDSCAPING WILL INCLUDE SODDING, SEEDING, TREES, SHRUBS, OR OTHER VEGETATIVE COVER. ALL PERMANENT STABILIZATION MEASURES, OUTSIDE OF PAVED AREAS, WILL BE SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER.

MATERIALS AND SPILL PREVENTION:
THE CONTRACTOR WILL STORE CONSTRUCTION MATERIALS AND EQUIPMENT IN CONFINED AREAS ON SITE FROM WHICH RUNOFF WILL BE CONTAINED AND FILTERED. MATERIALS WILL BE STORED OFF THE GROUND AND PROTECTED FROM THE WEATHER BY A COVER OR STORED IN A CONTAINER SUCH AS A VAN OR TRAILER. AN EARTHEN DIKE WILL BE CONSTRUCTED AROUND THE PERIMETER OF THE FUEL STORAGE AREA TO PREVENT MATERIALS FROM CONTACT WITH SURFACE RUNOFF. EQUIPMENT MAINTENANCE WILL BE PERFORMED IN A DESIGNATED AREA AND STANDARD MAINTENANCE PROCEDURES, SUCH AS THE USE OF DRIP PANS, WILL BE USED TO CONTAIN PETROLEUM PRODUCTS.

IN THE CASE OF A SPILL OF CONTAMINATED MATERIALS, THE CONTRACTOR WILL TAKE IMMEDIATE ACTION TO REMEDIATE THE SPILL. THE CONTRACTOR, EMPLOYEES OF THE CONTRACTOR, AND SUBCONTRACTORS SHALL BE TRAINED ON SPILL PREVENTION PRACTICES AND THE POTENTIAL ENVIRONMENTAL IMPACTS RESULTING FROM THE MATERIALS THEY ARE HANDLING.

SPILL KITS WILL BE PLACED AT THE STAGING AREA. THESE KITS WILL BE MADE AVAILABLE TO ALL CONSTRUCTION PERSONNEL IF A SPILL TAKES PLACE. IN GENERAL, DO NOT HOSE DOWN THE AREA TO DILUTE THE CONTAMINATION. CLEAN UP THE AREA ABOVE THE SURFACE WITH RAGS OR A MOP. IF THE SPILL OCCURS ON A PERVIOUS SURFACE, SUCH AS DIRT, REMOVE THE CONTAMINATED MATERIAL AS QUICKLY AS POSSIBLE. PROPERLY DISPOSE OF ALL CONTAMINATED MATERIAL OFF-SITE. REPORT THE SPILL IMMEDIATELY TO THE PROPER AGENCIES SO THAT PROPER REMEDIATION MEASURES CAN BE PUT IN PLACE, AND LONG-TERM PREVENTIVE ACTIONS CAN BE IMPLEMENTED FOR THE DURATION OF THE PROJECT.

SOLID WASTE MANAGEMENT
AT THIS PROJECT, SOLID WASTE WILL BE MANAGED IN COVERED BINS. WASTE CONTAINERS WILL BE PRIMARILY STORED IN THE STAGING AREA AND WILL BE COVERED AT THE END OF EACH DAY AND DURING STORM EVENTS. WASTE MATERIALS WILL BE STORED AND LABELED ADEQUATELY TO PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM WASTE THROUGH PROPER MATERIAL USE, WASTE DISPOSAL, AND TRAINING OF EMPLOYEES AND SUBCONTRACTORS. WASTE BINS WILL BE MAINTAINED AND EMPTIED REGULARLY. UNDER NO CIRCUMSTANCES WILL THE BINS BE OVERFILLED IN A MANNER THAT THE LID CANNOT FULLY CLOSE.

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ARCHITECT'S STAMP

LICENSED ARCHITECT
TAMRE R. VAN DENBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
90% CD	23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 17-APRIL-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C500

WATER POLLUTION CONTROL PLAN

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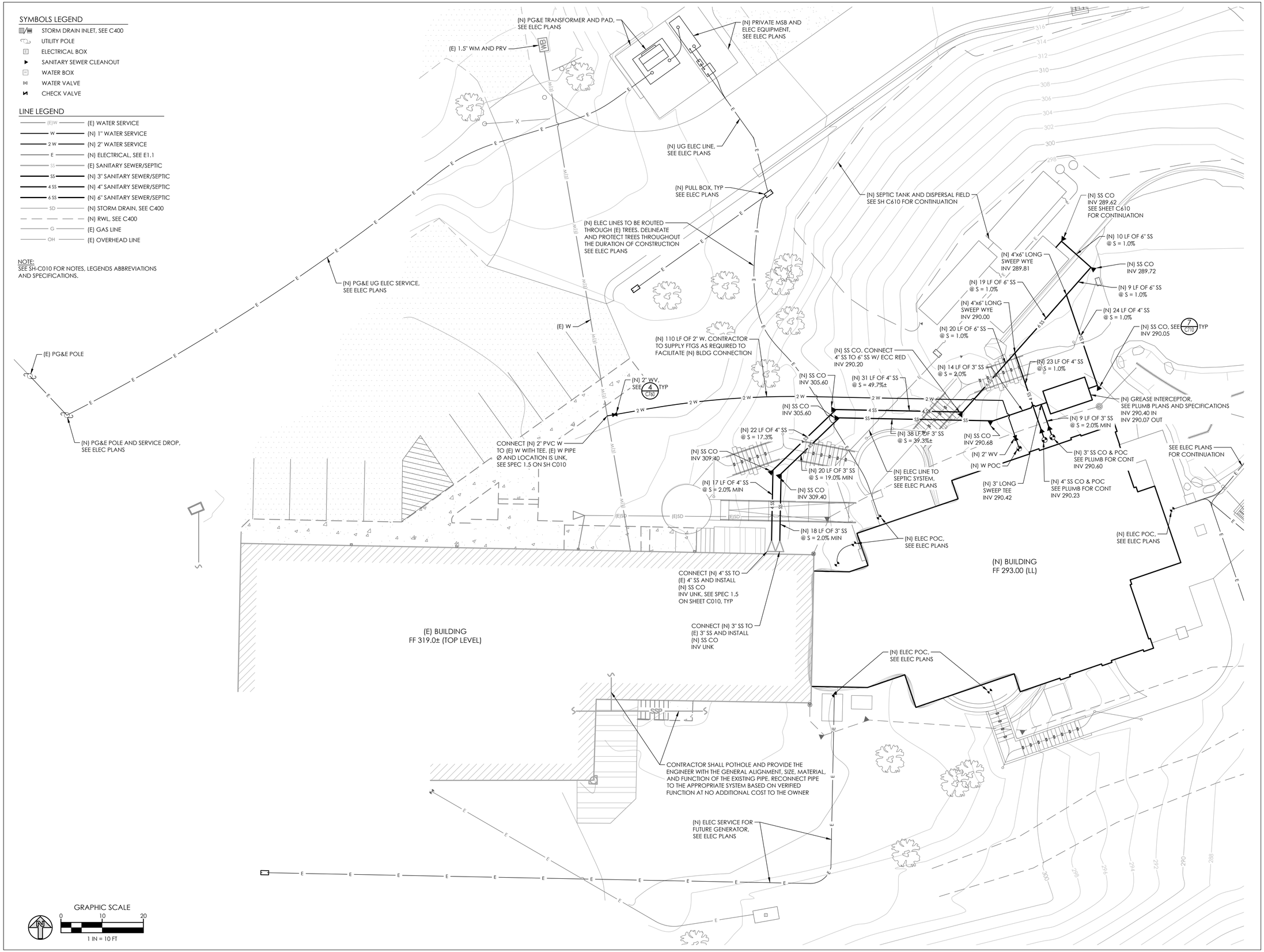
SYMBOLS LEGEND

- STORM DRAIN INLET, SEE C400
- UTILITY POLE
- ELECTRICAL BOX
- SANITARY SEWER CLEANOUT
- WATER BOX
- WATER VALVE
- CHECK VALVE

LINE LEGEND

- (E)W — (E) WATER SERVICE
- W — (N) 1" WATER SERVICE
- 2 W — (N) 2" WATER SERVICE
- E — (N) ELECTRICAL, SEE E1.1
- SS — (E) SANITARY SEWER/SEPTIC
- SS — (N) 3" SANITARY SEWER/SEPTIC
- 4 SS — (N) 4" SANITARY SEWER/SEPTIC
- 6 SS — (N) 6" SANITARY SEWER/SEPTIC
- SD — (N) STORM DRAIN, SEE C400
- RWL, SEE C400
- G — (E) GAS LINE
- OH — (E) OVERHEAD LINE

NOTE:
SEE SH-C010 FOR NOTES, LEGENDS ABBREVIATIONS AND SPECIFICATIONS.



GRAPHIC SCALE
0 10 20
1 IN = 10 FT

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ARCHITECT'S STAMP

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STATE OF CALIFORNIA

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SHEET NO.

C600

UTILITY PLAN

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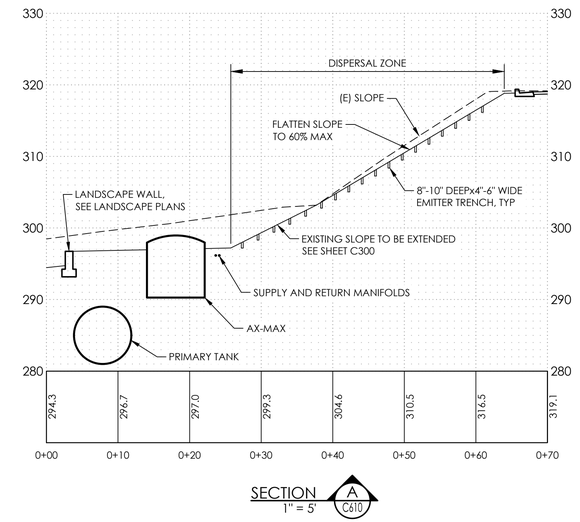
LINE LEGEND

- SM — SUPPLY MANIFOLD
- RM — RETURN MANIFOLD
- L"X" — DISPERSAL LATERAL
- SEPTIC LINE, AS NOTED
- SS — 3" SANITARY SEWER/SEPTIC, SEE C600
- 4 SS — 4" SANITARY SEWER/SEPTIC, SEE C600
- 6 SS — 6" SANITARY SEWER/SEPTIC, SEE C600
- SD — STORM DRAIN, SEE C400
- RWL, SEE C400
- E — ELECTRICAL, SEE E1.1

NOTES:
1. SEE SH-C010 FOR NOTES, LEGENDS ABBREVIATIONS AND SPECIFICATIONS.
2. THIS SHEET SHOWS THE DESIGN INTENT ONLY BASED ON THE HYDRAULIC CALCULATOR PROVIDED BY THE MANUFACTURER. SEE MANUFACTURER DETAIL FOR TYPICAL CENTER FEED LAYOUT AND SUPPLEMENTAL INFORMATION. (1/C710)

VACUUM RELIEF VALVE
AIR RELEASE VALVE
FG 318.3±
VACUUM RELIEF VALVE, TYP OF 3
SUPPLY MANIFOLD
RETURN MAIN
RETURN MANIFOLD
ZONE-1, SEE 1/C710 TYP
CENTERFEED MANIFOLD CONNECTION, SEE 2/C710 TYP
DOSING AREA ~4,633 SQFT
END FEED MANIFOLD CONNECTION, SEE 2/C710 TYP
PRESSURE RELIEF VALVE
AIR RELEASE VALVE SEE 4/C710 TYP
VACUUM RELIEF VALVE, TYP OF 3, SEE 4/C710 TYP
FG 314.8±
ZONE-2
RETURN MANIFOLD
RETURN MAIN
SUPPLY MANIFOLD
AUTO HEADWORKS SEE 5/C710
AX-MAX 125 SEE 1/C740
2-WAY DISTRIBUTION VALVE SEE 6/C710
50 LF OF RETURN LINE TO ANOXIC TANK @ S = 2.0% MIN
PRESSURE RELIEF VALVE SEE 3/C710 TYP
GEOFLOW G-WFPC-16-2-24-PRO EMITTER INSTALLED ALONG CONTOUR, TYP
4,000 GAL XERXES ANOXIC TANK, SEE 3/C710 INV 289.00 6" IN
8,000 XERXES PRIMARY TANK, SEE 2/C720 INV 289.60 6" IN INV 289.27 6" OUT
(N) SS CO INV 289.62 SEE SHEET C600 FOR CONTINUATION
ELECTRICAL AND COMMUNICATION DESIGN TO SEPTIC SYSTEM COMPONENTS ARE TO BE SUBMITTED FROM MANUFACTURER. CONDUITS SHOWN HEREON ARE FOR COORDINATION PURPOSES ONLY. SEE ELECTRICAL PLANS FOR ADDITIONAL DETAILS ON THE CONDUIT RUNS AND SIZING.
27 LF OF 6" SS @ S = 1.0%
SS CO, TYP OF 2 SEE 7/C710
A/C610
ELECTRICAL CONTROL PANEL TO BE MOUNTED EXTERIOR OF THE (N) BLDG ADDITION. COMPONENTS AND DESIGN ARE TO BE SUBMITTED FROM MANUFACTURER.

GRAPHIC SCALE
0 5 10
1 IN = 5 FT



SECTION A/C610 1" = 5'

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C610

SEPTIC PLAN

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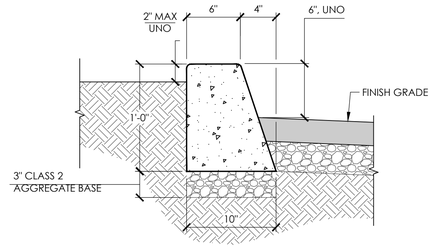
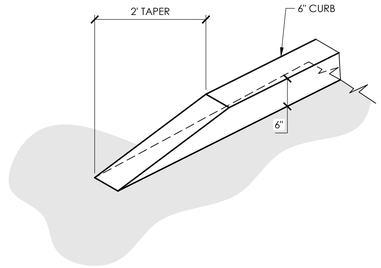
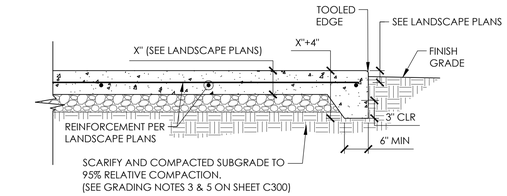


NOTES:
1. CONCRETE SHALL BE PER SPECIFICATION 2.1ON SHEET C010.
2. PROVIDE A CONTROL JOINT AT 12 FT. O.C. MAX AND AN EXPANSION JOINT AT ALL BC/EC'S. PER THE DETAILS SHOWN ON THE LANDSCAPE PLANS.
3. ALL EXPOSED SURFACES SHALL RECEIVE A LIGHT BROOM FINISH PARALLEL TO THE CURB.

STANDARD CURB DETAIL 1 / C700
NTS

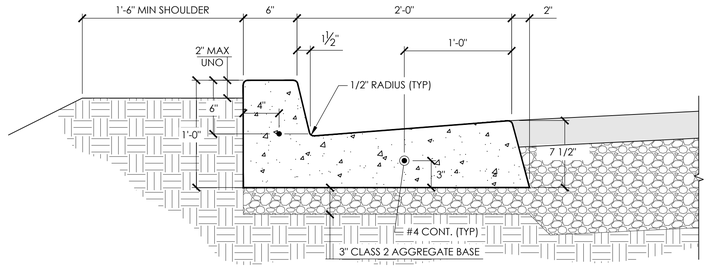


CURB TAPER DETAIL 2 / C700
NTS



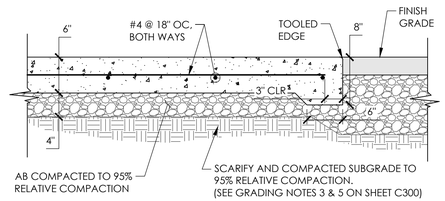
NOTES:
1. ALL CONCRETE SPECIFICATIONS, MIX DESIGN, REINFORCEMENT, AND JOINTING FOR THE PEDESTRIAN WALKWAYS SHALL BE PER THE LANDSCAPING PLANS AND DETAILS.

THICKEND CONC EDGE DETAIL 3 / C700
NTS



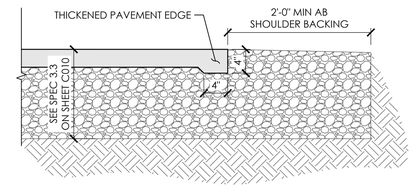
NOTES:
1. CONCRETE SHALL BE PER SPECIFICATION 2.1 ON SHEET C010.
2. ALL BROOMING SHALL BE PARALLEL TO THE DIRECTION OF FLOW.
3. PROVIDE A CONTROL JOINT AT 12 FT. O.C. MAX AND AN EXPANSION JOINT AT ALL BC/EC'S. PER THE DETAILS SHOWN ON THE LANDSCAPE PLANS.

CURB AND GUTTER DETAIL 4 / C700
NTS

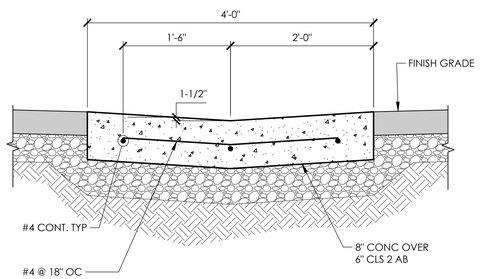


NOTES:
1. ALL CONCRETE SHALL BE PER SPECIFICATION 2.1 ON SHEET C010.
2. PROVIDE A EXPANSION JOINTS AT 12' O.C. (MAX) PER DETAILS ON THE LANDSCAPING PLANS.
3. APPLY A LIGHT BROOM FINISH IN THE DIRECTION OF FLOW.

CONC PARKING SLAB DETAIL 5 / C700
NTS

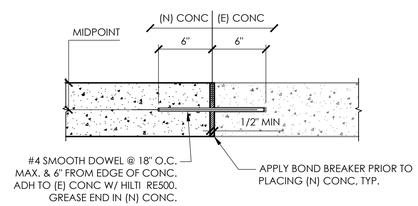


UNCONFINED PAVEMENT EDGE DETAIL 6 / C700
NTS

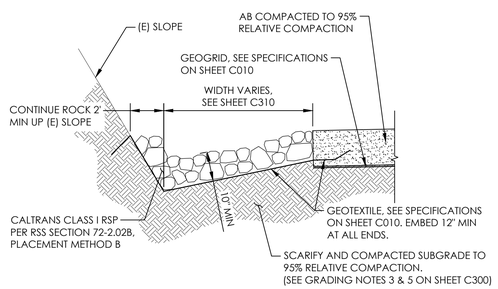


NOTES:
1. CONCRETE SHALL BE PER SPECIFICATION 2.1 ON SHEET C010.
2. PROVIDE A CONTROL JOINT AT 12 FT. O.C. MAX AND AN EXPANSION JOINT AT ALL ANGLE POINTS PER THE DETAILS SHOWN ON THE LANDSCAPE PLANS.
3. ALL EXPOSED SURFACES SHALL RECEIVE A LIGHT BROOM FINISH PARALLEL TO THE DIRECTION OF FLOW.

CONC VALLEY GUTTER DETAIL 7 / C700
NTS



(N) CONC TO (E) CONC DETAIL 8 / C700
NTS



ROADSIDE SWALE DETAIL 9 / C700
NTS

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ARCHITECT'S STAMP

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PACE ENGINEERING

PROJECT:

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23001 CA HYW 96
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SHEET NO.

C700

CONCRETE AND PAVING DETAILS

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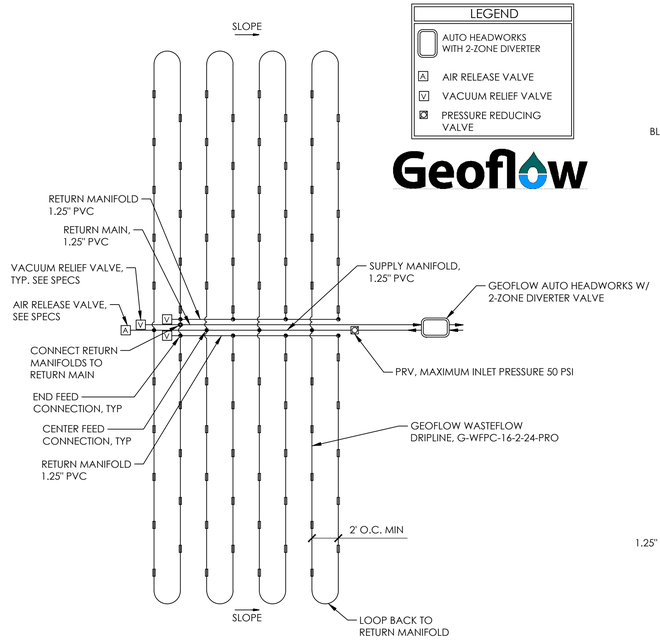
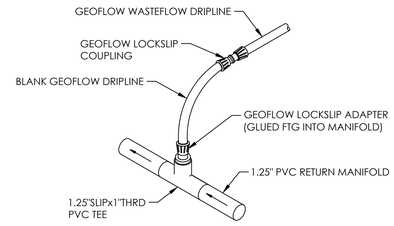
SEPTIC SYSTEM NOTES

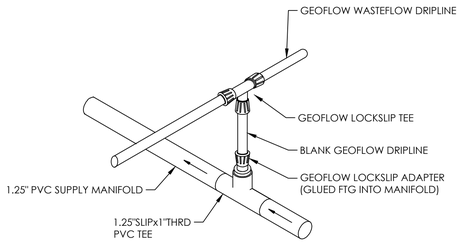
1. THE BASIS OF DESIGN FOR THIS SPECIFICATION UTILIZES GEOFLOW DRIP TUBING AND ORECO ADVANTEX SYSTEM FOR USE IN A LOW-PRESSURE DRIP IRRIGATION DISPERSAL SYSTEM UTILIZING A SECONDARY RECIRCULATION TREATMENT FACILITY. NO EQUAL SHALL BE ACCEPTED UNLESS THE CONTRACTOR PROVIDES SPECIFICATIONS AND FULLY REDESIGNED CALCULATIONS OF THE ENTIRE SEPTIC SYSTEM WITH THE PROPOSED TREATMENT FACILITY.
2. THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT AND THE REQUIRED DISPERSAL VOLUME/TREATMENT CAN BE ACHIEVED ON SITE. FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT MANUFACTURERS.
3. ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF DRIP TUBING, AIR RELIEF VALVES, AND VACUUM RELIEF VALVES, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO BACKFILLING. SEE THE REQUIRED INSPECTIONS AND HOLD POINTS THAT ARE REQUIRED DURING CONSTRUCTION.
4. ALL PIPE UTILIZED FOR MANIFOLDS, MAINS, AND DISTRIBUTION PIPING WITHIN THE SEPTIC TREATMENT FACILITIES SHALL BE PVC SCH 40 PER ASTM D1785, UNO. FITTINGS AND APPURTENANCES SHALL BE PVC SCH 40 SOCKET FITTINGS PER ASTM D2476 AND SOLVENT WIELDED, UNO. INSTALLATION OF TRANSPORT PIPING, FITTINGS, AND APPURTENANCES SHALL BE PER AWWA PIPE ACCORDING TO ASTM F 645 AND AWWA M23.
5. ALL VALVES SHALL BE INSTALLED WITH A VALVE BOX AND COVER, OR AS NOTED.
6. BEDDING SHALL BE PER (1 / C760) FOR ALL SEPTIC PIPING



TYPICAL DISSPERSAL ZONE LAYOUT (1 / C710) NTS

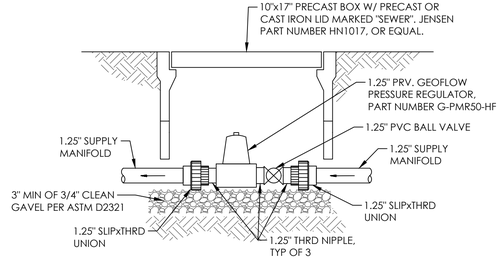


END FEED CONNECTION (FOR RETURN MANIFOLD)

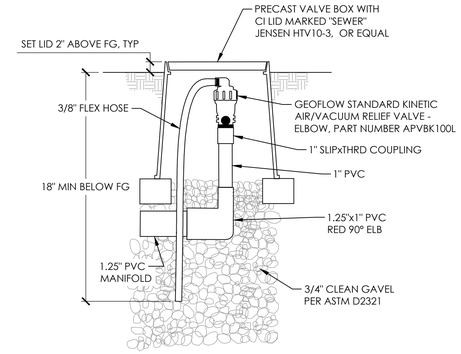


CENTER FEED CONNECTION (FOR SUPPLY MANIFOLD)

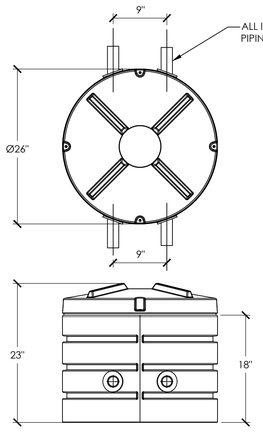
TYPICAL DRIPLINE CONNECTION DETAIL (2 / C710) NTS

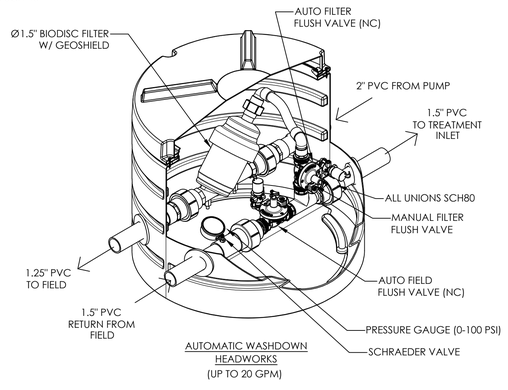


TYPICAL PRESSURE REDUCING VALVE DETAIL (3 / C710) NTS



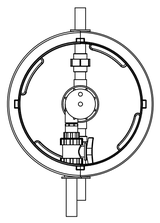
TYPICAL VACUUM/AIR RELIEF VALVE DETAIL (4 / C710) NTS



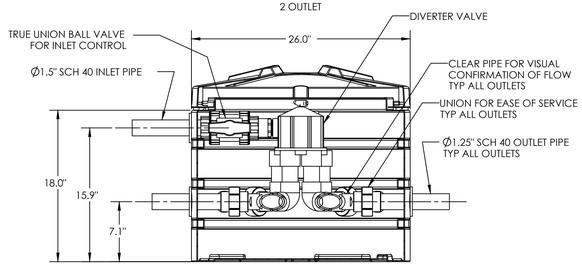


AUTOMATIC WASHDOWN HEADWORKS (UP TO 20 GPM)

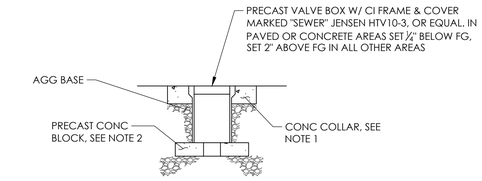
HEADWORKS DETAIL (5 / C710) NTS



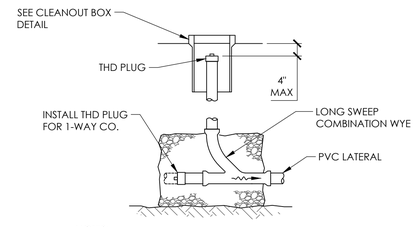
Q-PDS-DV-6-4-2-AP
2 OUTLET



DIVERTER VALVE DETAIL (6 / C710) NTS



NOTES
1. CONTR SHALL PROVIDE 30 IN Ø CONC COLLAR AROUND BOX W/ AGG BASE BKFL IN AREAS SUBJECT TO VEHICULAR TRAFFIC. COLLAR SHALL BE 12 IN THICK.
2. CONTR SHALL SET BOX 2 IN ABOVE GRADE & PROVIDE 2 FT x 2 FT x 4 IN PRECAST CONC BLOCK W/ CENTERED 8 IN Ø HOLE W/ AGG BASE BKFL IN LIEU OF CONC COLLAR IN LANDSCAPE AREAS.



NOTES:
1. C/O RUN Ø & RISER Ø TO MATCH LATERAL Ø

TYPICAL SS CLEANOUT DETAIL (7 / C710) NTS

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STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

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90% CD	23-APR-2026

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C710

SEPTIC DETAILS

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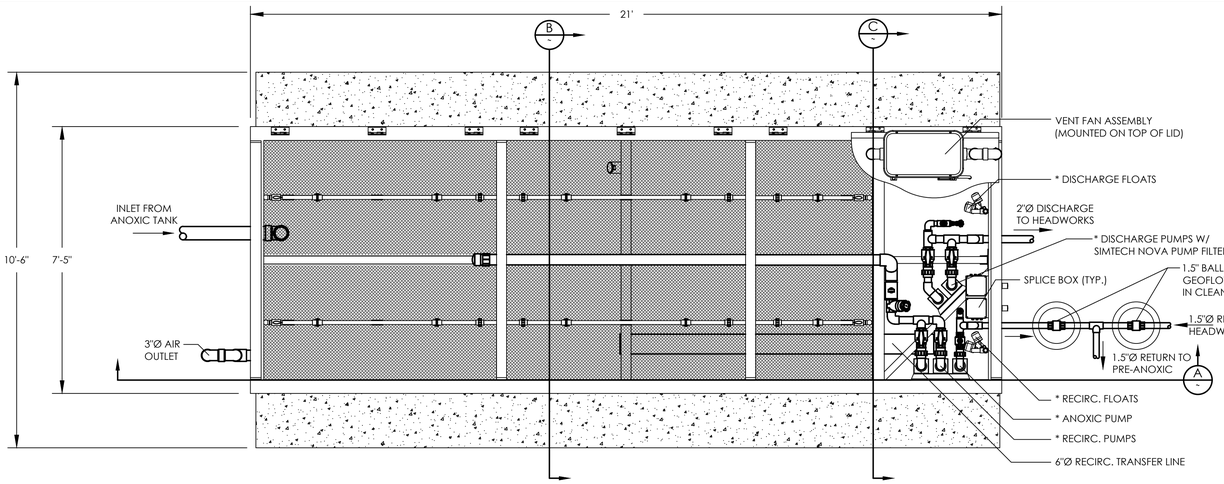
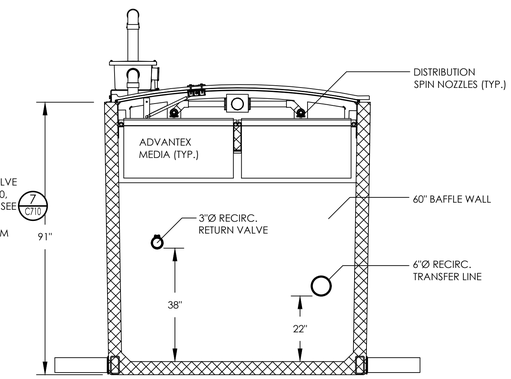


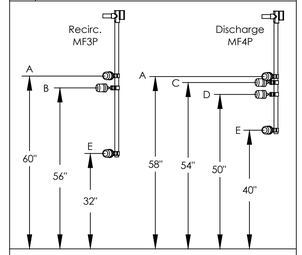
AX-MAX 125-21 DETAIL 1 C720
NTS



SECTION B
NTS

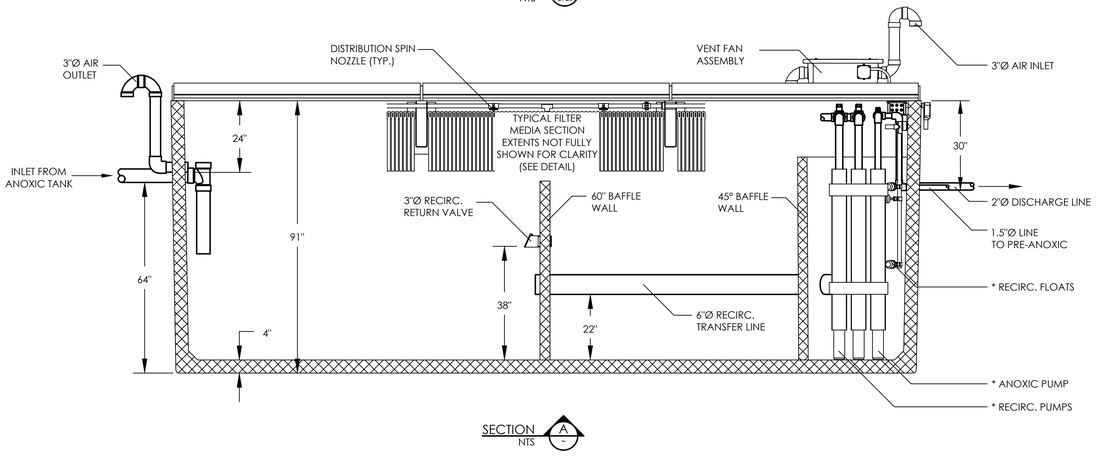
* Float Functions & Pump Index

A	High Level Alarm / Lag Enable
B	Override Timer
C	Pump ON
D	Pump OFF
E	Redundant Off / Low Level Alarm

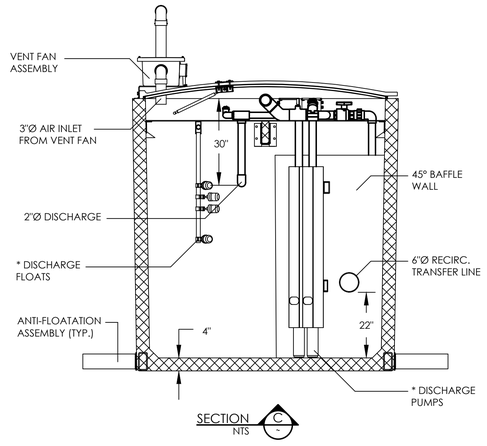


Recirculation Pumps: PF75103200	
Discharge Pumps: PF30203200	
Anoxic Return Pump: PF30203200	

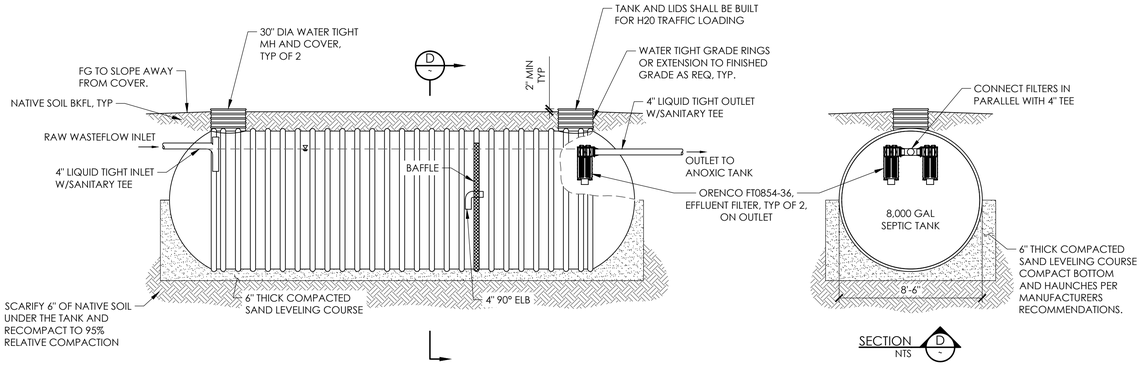
NOTE:
PUMPS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE FINAL PUMP DESIGN WITH MANUFACTURER AND SUBMIT DATA SHEET FOR ALL MANUFACTURER RECOMMENDED PUMPS IN THE SEPTIC SYSTEM.



SECTION A
NTS



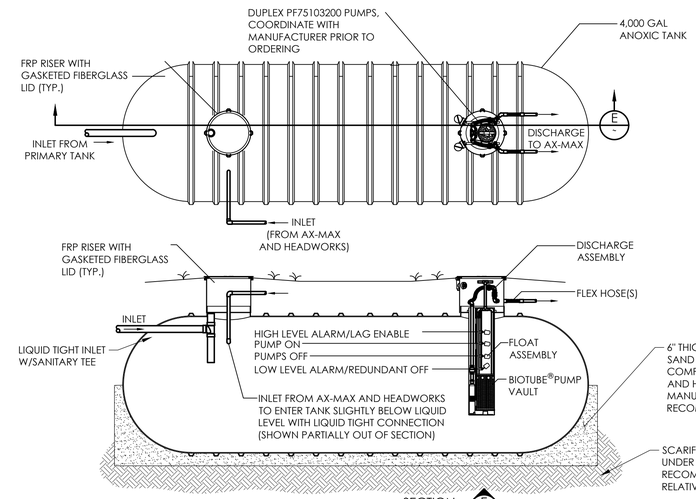
SECTION C
NTS



SECTION D
NTS

NOTES:
1. SEPTIC TANK SHALL BE BACKFILLED WITH MOISTURE CONDITIONED NATIVE SOIL COMPACTED TO 90% RELATIVE COMPACTION.
2. SEPTIC TANK SHALL BE FILLED WITH WATER ONCE INSTALLED. DO NOT LEAVE TANK EMPTY AFTER INSTALLATION.
3. SEPTIC TANK SHALL BE ANCHORED UNDERGROUND BY THE USE OF DEADMAN ANCHORS IN A METHOD APPROVED BY THE MANUFACTURER PRIOR TO BACKFILLING.
4. TANK SHALL BE XERXES WASTEWATER-ONSITE SEPTIC TANK, OR EQUAL WITH BAFFLE AT 1/3 THE VOLUME OF THE TANK.

PRIMARY TANK DETAIL 2 C720
NTS



SECTION E
NTS

NOTES:
1. SEPTIC TANK SHALL BE BACKFILLED WITH MOISTURE CONDITIONED NATIVE SOIL COMPACTED TO 90% RELATIVE COMPACTION.
2. SEPTIC TANK SHALL BE FILLED WITH WATER ONCE INSTALLED. DO NOT LEAVE TANK EMPTY AFTER INSTALLATION.
3. SEPTIC TANK SHALL BE ANCHORED UNDERGROUND BY THE USE OF DEADMAN ANCHORS IN A METHOD APPROVED BY THE MANUFACTURER PRIOR TO BACKFILLING.
4. TANK SHALL BE XERXES WASTEWATER-ONSITE SEPTIC TANK, OR EQUAL WITH NO BAFFLE.

ANOXIC TANK DETAIL 3 C720
NTS

Orenco SYSTEMS

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SUPPLEMENTAL TREATMENT DETAILS

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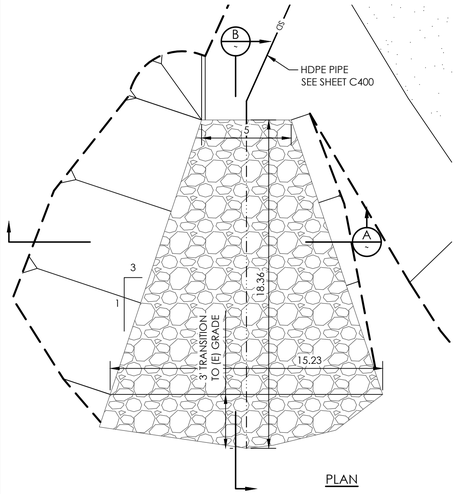
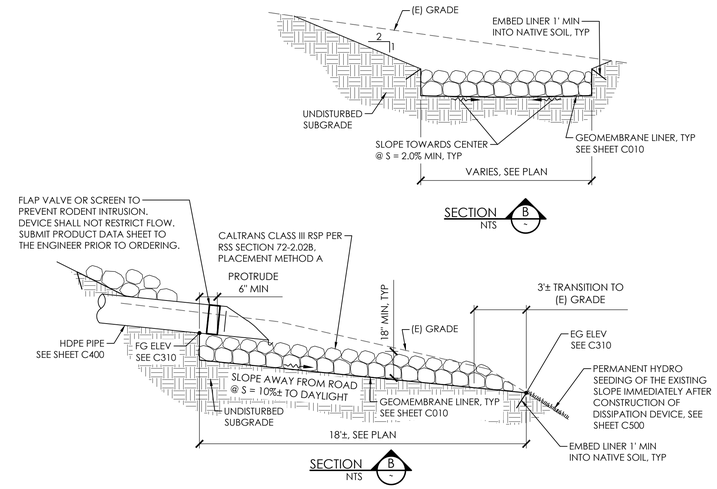
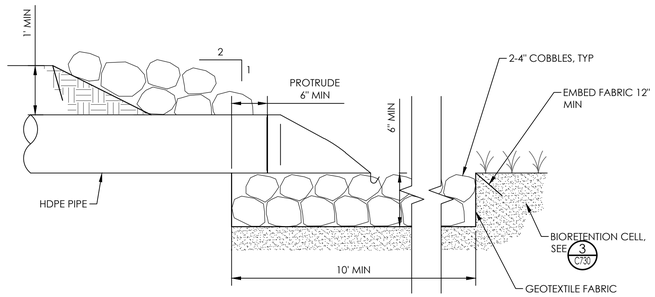


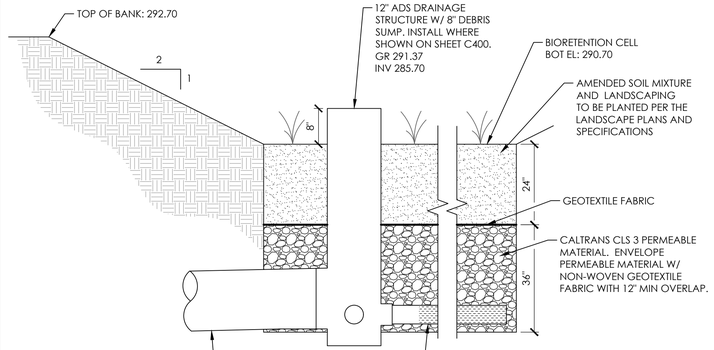
PLAN



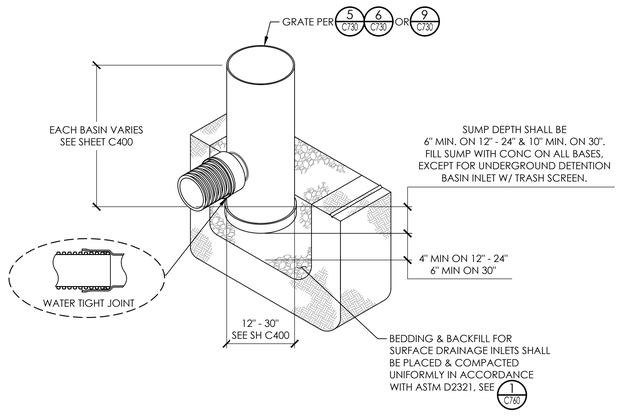
DISCHARGE ENERGY DISSIPATER 1 / C730
NTS



TYPICAL FLARED END SETION DETAIL 2 / C730
NTS

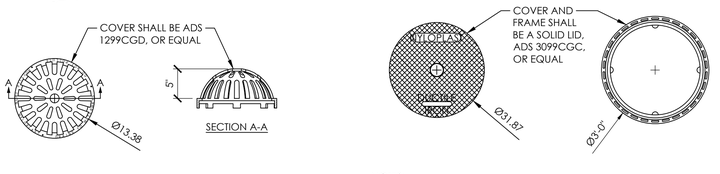


TYPICAL BIORETENTION CELL DETAIL 3 / C730
NTS



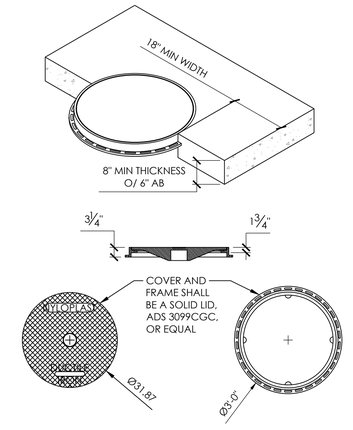
NOTES:
1. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. IF REQUIRED, RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
2. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212.

TYPICAL DRAIN BASIN DETAIL 4 / C730
NTS



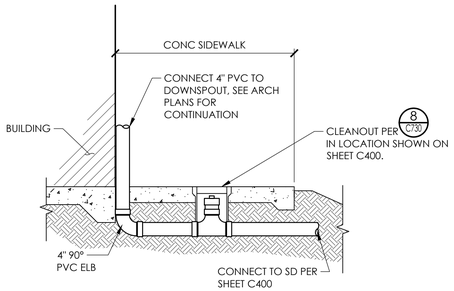
NOTES:
1. DIMENSIONS ARE FOR REFERENCE ONLY, ACTUAL DIMENSIONS MAY VARY. ALL DIMENSIONS SHOWN ON THIS DETAIL ARE IN INCHES.
2. MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
3. ALL CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.

DOME COVER DETAIL 5 / C730
NTS

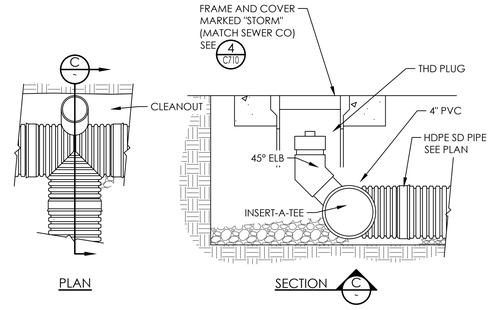


NOTES:
1. DIMENSIONS ARE FOR REFERENCE ONLY, ACTUAL DIMENSIONS MAY VARY. ALL DIMENSIONS SHOWN ON THIS DETAIL ARE IN INCHES.
2. COVER SHALL MEET H-20 LOAD RATING.
3. MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
4. ALL CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.

SOLID COVER DETAIL 6 / C730
NTS

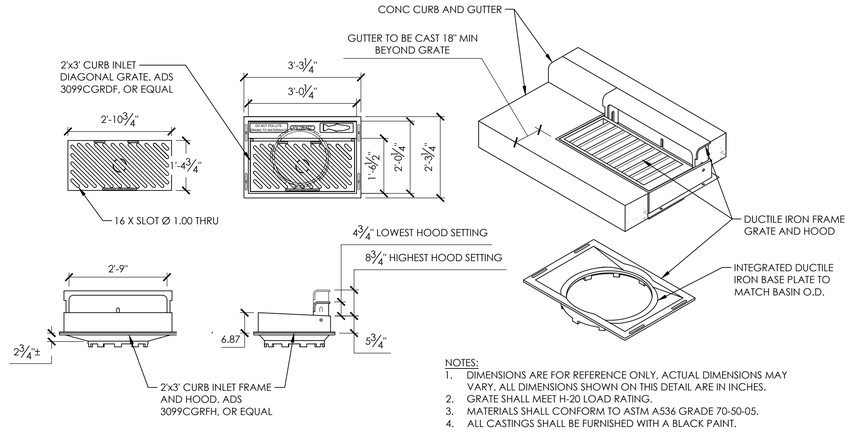


RWL CONNECTION DETAIL 7 / C730
NTS



NOTES:
1. REFER TO TRENCH BACKFILL DETAIL ON SHEET C760 FOR ALL BACKFILL AND COMPACTION REQUIREMENTS.
2. CONTRACTOR SHALL PROVIDE 30 IN Ø CONC COLLAR AROUND BOX W/ AB BACKFILL IN AREAS SUBJECT TO VEHICULAR TRAFFIC. COLLAR SHALL BE 12 IN THICK.

SD CLEANOUT DETAIL 8 / C730
NTS



NOTES:
1. DIMENSIONS ARE FOR REFERENCE ONLY, ACTUAL DIMENSIONS MAY VARY. ALL DIMENSIONS SHOWN ON THIS DETAIL ARE IN INCHES.
2. GRATE SHALL MEET H-20 LOAD RATING.
3. MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
4. ALL CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.

CURB INLET COVER DETAIL 9 / C730
NTS

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C730

STORM DRAIN DETAILS

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UNDERGROUND DETENTION BASIN SPECIFICATIONS

PART - 1. GENERAL

1.1. SCOPE:
- 1.1.1. THE BASIS OF DESIGN FOR THIS SPECIFICATION UTILIZES ADS RETENTION/DETENTION PIPE SYSTEMS FOR USE IN NON-PRESSURE GRAVITY-FLOW STORM WATER COLLECTION SYSTEMS UTILIZING A CONTINUOUS OUTFALL STRUCTURE.
- 1.1.2. LAYOUT SHOWN DOES NOT INCLUDE ADDITIONAL PIPE & MANIFOLD NEEDED FOR PROPER PIPE INSERTION INTO STRUCTURES. THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.
- 1.1.3. FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT MANUFACTURER.

1.2. ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS, INLETS AND OUTLETS, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO RELEASING FOR FABRICATION. THE ENGINEER MUST REVIEW ELEVATIONS AND, IF NECESSARY, ADJUST GRADING TO ENSURE THE PIPE COVER REQUIREMENTS ARE MET.

1.3. ALL PIPE DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES.

PART - 2. PRODUCTS

2.1. PIPE
- 2.1.1. ADS RETENTION/DETENTION SYSTEMS MAY UTILIZE ANY OF THE VARIOUS PIPE PRODUCTS BELOW (OR APPROVED EQUAL);
  - 2.1.1.1. ®N-12 WTIB PIPE (PER AASHTO) - SHALL MEET AASHTO M 294, TYPE S OR ASTM F2306
  - 2.1.1.2. ®N-12 WTIB PIPE (PER ASTM F2648) - SHALL MEET ASTM F2648
  - 2.1.1.3. ®N-12 MEGA GREEN - WTIB SHALL MEET ASTM F2648 ALL PRODUCTS SHALL HAVE A SMOOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS.

2.2. JOINT PERFORMANCE
- 2.2.1. WATERTIGHT (WTIB) PIPE SHALL BE JOINED USING A BELL AND SPIGOT JOINT. THE JOINT SHALL BE WATERTIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. 12-60 INCH DIAMETERS SHALL HAVE A BELL REINFORCED WITH A POLYMER COMPOSITE BAND. THE BELL TOLERANCE DEVICE SHALL BE INSTALLED BY THE MANUFACTURER.
- 2.2.2. PIPE AND FITTING CONNECTIONS SHALL BE WITH A BELL AND SPIGOT CONNECTION UTILIZING A SPUN-ON OR WELDED BELL AND VALLEY OR SADDLE GASKET. THE JOINT SHALL MEET THE WATERTIGHT REQUIREMENTS OF ASTM D3212. AND GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. DETENTION SYSTEMS ARE SUBJECT TO GREATER LEAKAGE THAN TYPICAL SINGLE RUN STORM SEWER APPLICATIONS AND THEREFORE ARE NOT APPROPRIATE FOR APPLICATIONS REQUIRING LONG-TERM FLUID CONTAINMENT OR HYDROSTATIC PRESSURE.

2.3. FITTINGS
- 2.3.1. FITTINGS SHALL CONFORM TO ASTM F2306 AND MEET JOINT PERFORMANCE INDICATED ABOVE FOR FITTINGS CONNECTIONS. CUSTOM FITTINGS ARE AVAILABLE AND MAY REQUIRE SPECIAL INSTALLATION CRITERION.

2.4. FILTER FABRIC
- 2.4.1. SHALL BE PER SPECIFICATIONS ON SEE SHEET C010.

2.5. BEDDING
- 2.5.1. BEDDING SHALL BE PER (1 / C740) FOR STORM DRAIN PIPE

PART - 3. EXECUTION

3.1. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321 AND ADS RECOMMENDED INSTALLATION GUIDELINES, WITH THE EXCEPTION THAT MINIMUM COVER IN NON-TRAFFIC AREAS FOR 12-60 INCH DIAMETERS SHALL BE 1 FT MINIMUM COVER, IN TRAFFICKED AREAS FOR 12-36 INCH DIAMETERS SHALL BE 1 FT, AND FOR 42-60 INCH DIAMETERS, THE MINIMUM COVER SHALL BE 2 FT.

3.2. BEDDING SHALL EXTEND A MINIMUM OF 6" ABOVE AND BELOW THE PIPES. MAXIMUM COVER OVER SYSTEM USING STANDARD BACKFILL IS 8 FT; CONTACT A REPRESENTATIVE WHEN MAXIMUM FILL HEIGHT MAY BE EXCEEDED.

3.3. WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

3.4. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF. SEE SHEET C500 FOR ADDITIONAL SPECIFICATIONS AND DETAILS FOR INTERIM EROSION AND SEDIMENT CONTROL BMPs DURING CONSTRUCTION.

3.5. IN SITUATIONS WHERE A FINE-GRAINED BACKFILL MATERIAL IS USED ADJACENT TO THE PIPE SYSTEM, AND ESPECIALLY INVOLVING GROUND WATER CONDITIONS, CONSIDERATION SHOULD BE GIVEN TO THE USE OF GASKETED PIPE JOINTS. AT THE VERY LEAST THE PIPE JOINTS SHOULD BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FINES INTO THE PIPE SYSTEM.

3.6. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE SYSTEM REMAINS PROTECTED DURING CONSTRUCTION AND SHALL CONSIDER ADDITIONAL LOADING AS A RESULT FROM CONSTRUCTION EQUIPMENT, IF REQUIRED.

3.7. ADS RISERS ARE FABRICATED 36" FROM TOP OF PIPE TO TOP OF RISER DUE TO SHIPPING LIMITATIONS. IF REQUIRED, CONTRACTOR SHALL ORDER ADDITIONAL PIPE AND COUPLERS TO EXTEND THE RISERS TO FINISH GRADE. ALL RISERS TO BE FIELD EXTENDED OR TRIMMED TO FINISH GRADE.

INSPECTION AND MAINTENANCE NOTES

INSPECTION PROCESS:

STEP 1) INSPECT BASIN FOR SEDIMENT

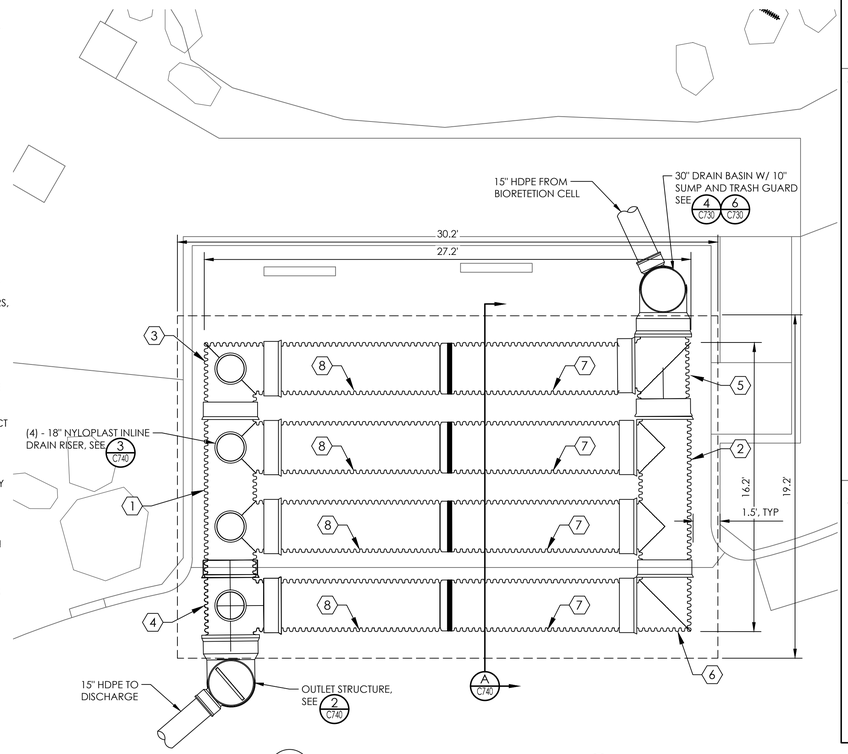
A. RISERS
- A.1. REMOVE/OPEN LID ON RISER
- A.2. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
- A.3. LOWER A CAMERA INTO CHAMBER FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
- A.4. IF SEDIMENT IS AT, OR ABOVE, 3" PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

B. INLET/OUTLET STRUCTURES
- B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF THE DETENTION BASIN.
- B.2. USING A FLASHLIGHT, INSPECT THE MANIFOLD, CHAMBERS, AND ANY DISTRIBUTION PIPES INTO THE BASIN
  - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
  - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING DRAIN
- B.1. IF SEDIMENT IS AT, OR ABOVE, 3" PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

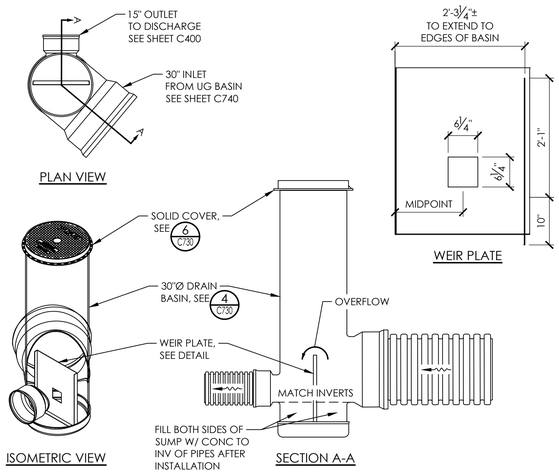
STEP 2) CLEAN OUT DETENTION BASIN USING THE JETVAC PROCESS

A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" OR MORE IS PREFERRED
B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
C. VACUUM STRUCTURE SUMP, AS REQUIRED

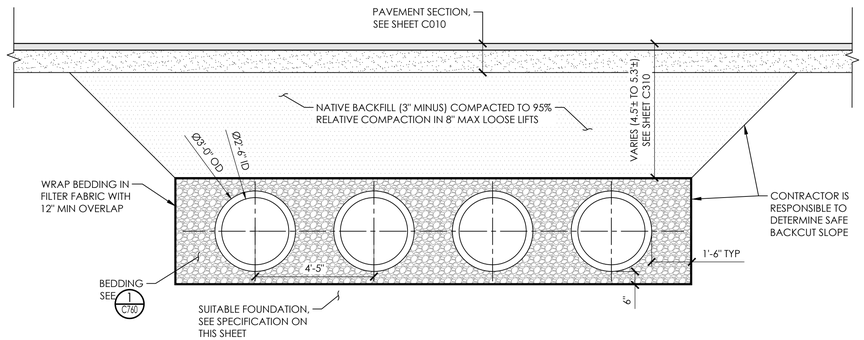
STEP 3) CLEAN ALL SEDIMENT AND DEBRIS FROM THE BOTTOM OF ALL DRAIN SUMPS. CLEAN AND REINSTALL ALL COVERS, GRATES, AND LIDS. RECORD OBSERVATIONS AND ACTIONS.



UNDERGROUND DETENTION BASIN DETAIL 1/C740 NTS

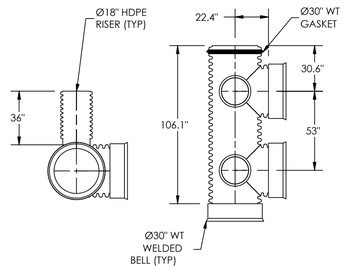


OUTLET STRUCTURE DETAIL 2/C740 NTS



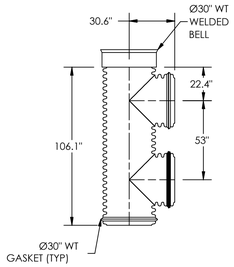
SECTION A/C740 NTS

30" DOUBLE MANIFOLD TEE [3052AN65B] W/ (2) 18" RISER [1803AN]



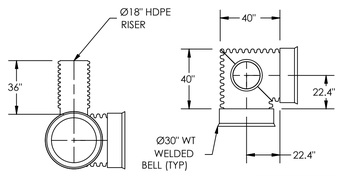
KEYNOTE: 1 — QTY: 1 — 3052ANBC-1

30" DOUBLE MANIFOLD TEE [3052AN65G]



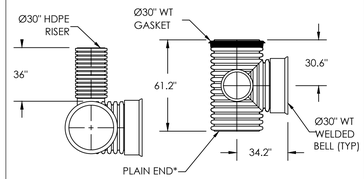
KEYNOTE: 2 — QTY: 1 — 3052AN65G

30" X 90° MANIFOLD BEND [3098AN65BB] W/ 18" RISER [1803AN]



KEYNOTE: 3 — QTY: 1 — 3098ANBC-1

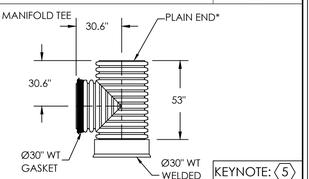
30" SINGLE MANIFOLD TEE W/ 18" RISER



*WELD VENT TUBES SHUT PRIOR TO SHIPPING

KEYNOTE: 4 — QTY: 1 — MANIFOLD-1

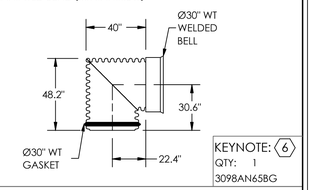
30" SINGLE MANIFOLD TEE



*WELD VENT TUBES SHUT PRIOR TO SHIPPING

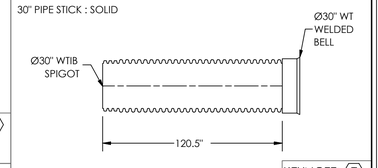
KEYNOTE: 5 — QTY: 1 — MANIFOLD-2

30" X 90° MANIFOLD BEND [3098AN65BG]



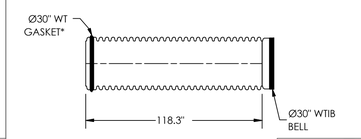
KEYNOTE: 6 — QTY: 1 — 3098AN65BG

30" PIPE STICK : SOLID



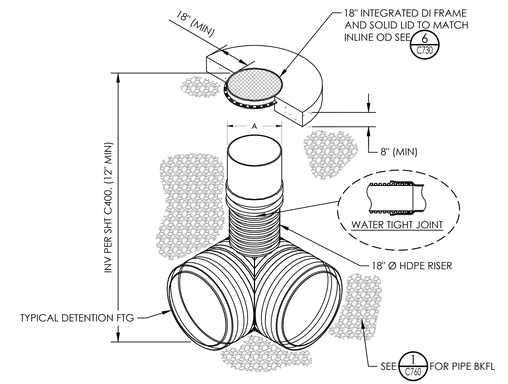
KEYNOTE: 7 — QTY: 4 — STICK-1

30" PIPE STICK : SOLID



*WELD VENT TUBES SHUT PRIOR TO SHIPPING

KEYNOTE: 8 — QTY: 4 — STICK-2



NOTES:
1. GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC.

INLINE DRAIN AND COVER DETAIL 3/C740 NTS

ADS Advanced Drainage Systems, Inc.

trilogy
2055 PINE STREET. REDDING, CA 96001
t. 530.243.3000 www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN GENDEREN BID SET RENEWAL DATE STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

DATE
90% CD 23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
17-APRIL-2026
CONSTRUCTION DOCUMENTS

SHEET NO.

C740

UNDERGROUND DETENTION BASIN DETAILS

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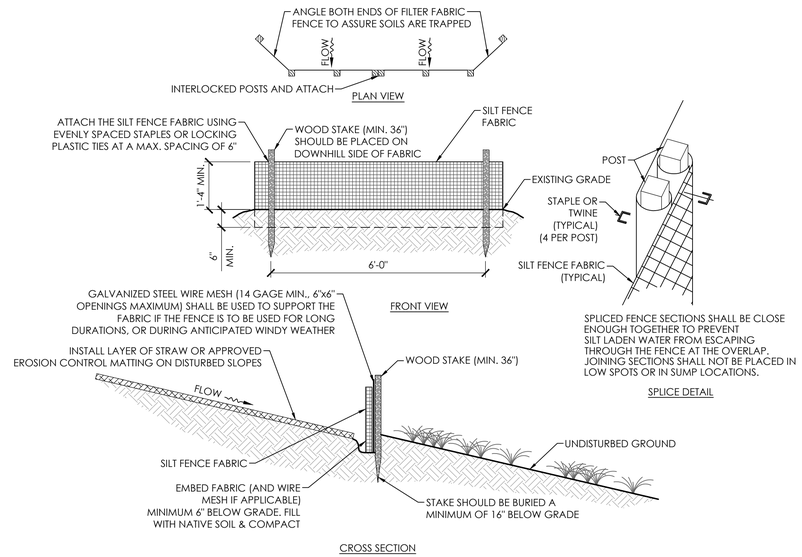
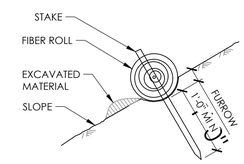
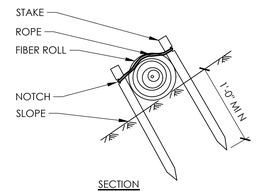
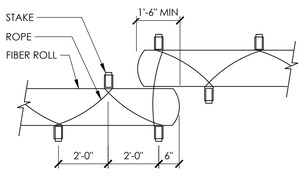


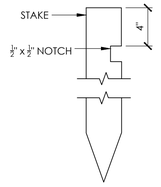
NOTES
1. INSTALL SILT FENCE ALONG CONTOURS. TO AVOID CREATING LOW POINTS ALONG THE SILT FENCE, ALIGN THE FENCE ALONG THE CONTOUR AS MUCH AS POSSIBLE. WHERE EXCESSIVE RUNOFF WILL ACCUMULATE AT A LOW POINT, PROVIDE AN OPENING IN THE FENCE AND INSTALL A SEDIMENT TRAP.
2. EMBED BOTTOM OF SILT FENCE FABRIC 6" VERTICALLY BELOW FINISHED GRADE. COMPACT ALL AREAS WHERE THE FABRIC IS EMBEDDED.
3. 2"x2" FIR, PINE OR STEEL FENCE POSTS.
4. STITCHED LOOPS TO BE INSTALLED UPHILL SIDE OF SLOPE.
5. DO NOT PLACE SILT FENCE ACROSS POTENTIAL CONCENTRATED FLOWS (PIPE OUTLETS, DRAINAGE CHANNELS, CUT DITCHES).
6. SEDIMENT CONTROL FABRIC SHALL BE USED FOR INSTALLATIONS OF SHORT DURATION. THE FABRIC IS CUT ON SITE TO THE DESIRED WIDTH, UNROLLED ALONG THE LENGTH OF THE FENCE. THE FABRIC TOE IS SECURED WITH ROCKS OR DIRT AND THE FABRIC IS SECURED TO THE STAKES WITH TWINE, STAPLES, OR SIMILAR DEVICES.
7. SEDIMENT FROM THE STORM EVENT AND THE FENCE TRENCH SPOIL ON THE UPHILL SIDE OF THE FENCE SHALL BE REMOVED FROM THE SITE OR STORED IN THE STOCKPILE AREA.

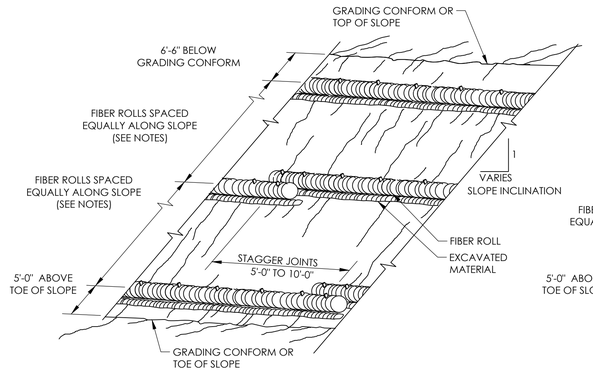
SILT FENCE DETAIL 1 / C750 NTS

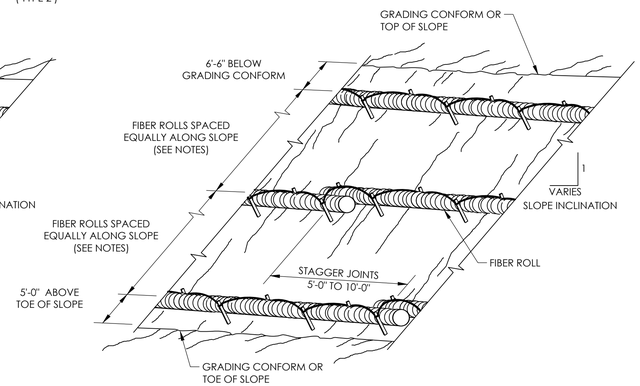






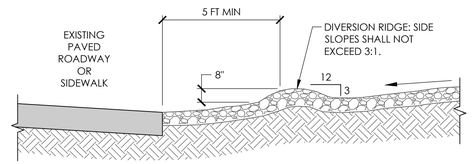


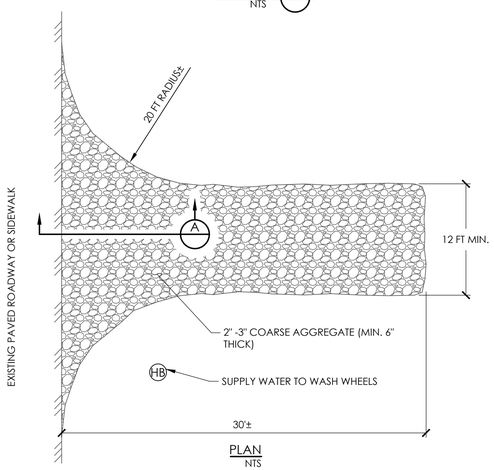




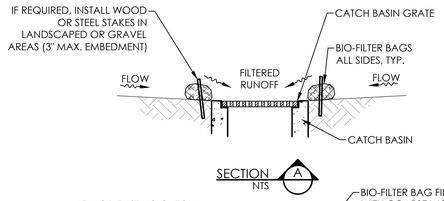
NOTES:
1. TEMPORARY FIBER ROLL SPACING VARIES DEPENDING ON SLOPE INCLINATION.
2. INSTALLATION SHOWN IN THE PERSPECTIVES ARE FOR SLOPE INCLINATIONS OF 10:1 AND STEEPER.

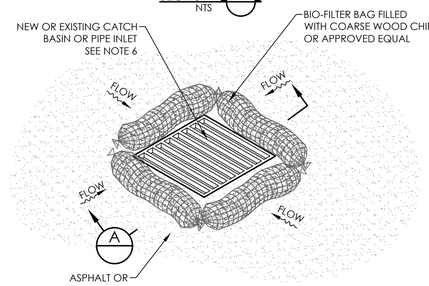
FIBER ROLL DETAIL 2 / C750 NTS





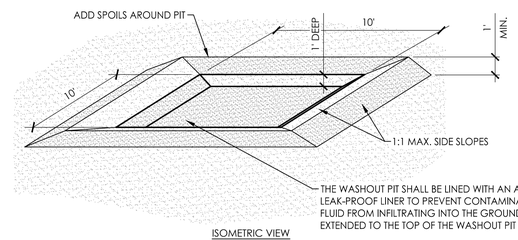
CONSTRUCTION ENTERANCE DETAIL 3 / C750 NTS





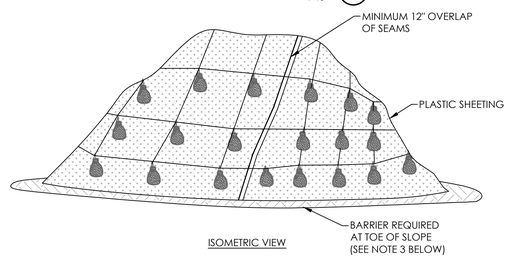
NOTES
1. KEY BIO-FILTER BAGS, WATTLES OR SOCKS 3" INTO THE GROUND IN LANDSCAPED OR GRAVEL AREAS.
2. INSTALL WOOD OR STEEL STAKES IN LANDSCAPED OR GRAVEL AREAS.
3. CONTRACTOR SHALL REMOVE THE SEDIMENT BUILT UP DURING A STORM EVENT.
4. INSPECT ONCE PER WEEK ON ACTIVE SITES, ONCE EVERY TWO WEEKS ON INACTIVE SITES, AND WITHIN 24 HOURS FOLLOWING A 0.5" INCH RAIN EVENT.
5. REPAIR OR REPLACE MATERIALS AS NEEDED TO ENSURE PROPER FUNCTION.
6. INSTALL ADS "FLEXSTORM CATCH IT", OR APPROVED EQUAL, INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF. REMOVE SEDIMENT BUILDUP AS REQUIRED DURING CONSTRUCTION.

INLET PROTECTION DETAIL 4 / C750 NTS



NOTES
1. THE CONCRETE WASH-OUT SHOULD LOCATED BE ON THE CONCRETE TRUCK, IF POSSIBLE. IF NO WASHOUT IS PROVIDED, CONTRACTOR SHALL PROVIDE WASHOUT PIT SHALL BE CONSTRUCTED FOR CONCRETE WASTE OF ALL CONCTRUCTION ACTIVITIES. THE LOCATION SHALL BE COORDINATED WITH OWNER PRIOR TO CONSTRUCTION.
2. WASHING OUT OF CONCRETE TRUCKS AND RINSING OF THE CONCRETE TRUCK CHUTES SHALL BE STRICTLY MONITORED TO AVOID THE CONTAMINATION OF DOWNSTREAM WATERWAYS.
3. EXCESS WASHOUT FLUID AND CONCRETE MATERIALS IN THE PIT SHALL BE REMOVED REGULARLY TO AVOID OVERFLOW. DISPOSAL MATERIALS SHALL BE HAULED TO AN APPROVED DISPOSAL LOCATION OFFSITE.
4. AFTER COMPLETION OF THE PROJECT, WASHOUT PIT INCLUDING ALL EXCESS WASHOUT, AND CONCRETE SHALL BE DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFFSITE.

CONCRETE WASHOUT DETAIL 5 / C750 NTS



NOTES
1. MINIMUM 12" OVERLAP OF ALL SEAMS REQUIRED.
2. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10' GRID SPACING IN ALL DIRECTIONS.
3. BARRIERS AT THE TOE OF STOCKPILE SHALL BE CONSTRUCTED WITH SEDIMENT FENCES, MULCH BERMS, CLIPPINGS, STRAW WATTLES, OR OTHER APPROVED BMP MATERIALS.
4. PLASTIC SHEETING IS USED TO PROVIDE IMMEDIATE PROTECTION TO SLOPES AND STOCKPILES.
5. DO NOT USE PLASTIC COVERING UPSLOPE OF AREAS SUCH AS STEEP AND/OR UNSTABLE SLOPES THAT MIGHT BE ADVERSELY AFFECTED BY CONCENTRATED RUNOFF.
6. WHEN NECESSARY, INSTALL AN INTERCEPTOR DIKE, GRAVEL OR RIPRAP BERM, OR OTHER SUITABLE PROTECTION DEVISE UPHILL OF THE STOCKPILE TO DIVERT FLOWS AROUND THE STOCKPILE OR TO DISSIPATE RUNOFF VELOCITY.
7. TOE-IN THE TOP OF THE SHEETING IN A 6"x6" TRENCH BACKFILLED WITH COMPACTED NATIVE MATERIAL.
8. ANCHOR THE PLASTIC USING SANDBAGS, TIRES, OR OTHER SUITABLE TETHERED ANCHOR SYSTEM SPACED ON A 10' GRID SPACING IN ALL DIRECTIONS.
9. OVERLAP SEAMS 1' TO 2', TAPE, ROLL AND STAKE THE SEAMS AND THEN WEIGH DOWN THE ENTIRE LENGTH.
10. REPLACE TORN SHEETS AND REPAIR OPEN SEAMS. WHEN THE PLASTIC SHEET BEGINS TO DETERIORATE, IT SHALL BE REMOVED AND REPLACED COMPLETELY.

STOCKPILE ANCHORING DETAIL 6 / C750 NTS

trilogy
2055 PINE STREET, REDDING, CA 96001
t. 530.243.3000 www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT MARC R. VAN DENBERG BID SET RENEWAL DATE STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
90% CD	23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 17-APRIL-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C750

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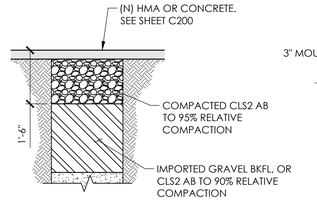
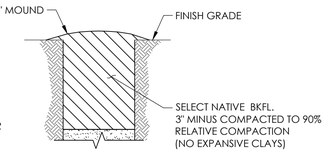
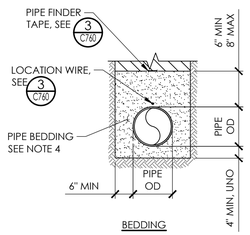


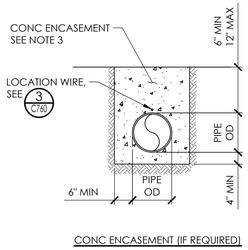
CLASS A3 BACKFILL



CLASS B BACKFILL



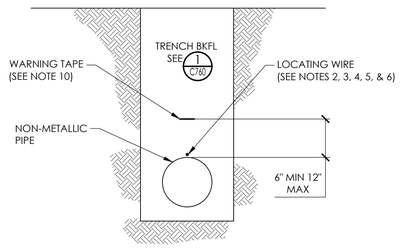
BEDDING



CONC ENCASEMENT (IF REQUIRED)

NOTES:
1. CLASS "A3" BKFL SHALL BE USED IN ALL PAVED OR CONCRETE AREAS.
2. CLASS "B" BKFL SHALL BE USED IN AREAS WHERE VEHICLE TRAFFIC IS NOT EXPECTED & AT LOCATIONS DESIGNATED BY THE ENGR.
3. MINIMUM PIPE BURY DEPTHS:
   - GRAVITY SEWER AND STORM DRAIN
     a. INSTALL PIPE AT THE INVERTS SHOWN ON SHEETS C400 & C600. CONC ENCASEMENT SHALL BE USED WHEN COVER OVER THE PIPE IS LESS THAN 12".
   - DOMESTIC WATER
     b. INSTALL PIPE WITH 30" MIN COVER, UNO. CONTRACTOR SHALL INSTALL PIPE WITH A MONOLITHIC SLOPE AND AVOID ANY CREST OR SAGS IN PIPE.
   - PRESSURIZED SEPTIC LINES (OTHER THAN DRIP IRRIGATION DISPERSAL LINES)
     b. INSTALL PIPE WITH 24" MIN COVER, UNO. CONTRACTOR SHALL INSTALL PIPE WITH A MONOLITHIC SLOPE AND AVOID ANY CREST OR SAGS IN PIPE, UNLESS AN AIR VALVE IS SHOWN.
4. CONTRACTOR SHALL PROVIDE A SUBMITTAL TO THE ENGINEER TO REVIEW PRIOR TO ORDERING ANY IMPORT MATERIAL. PIPE BEDDING SHALL BE ONE OF THE FOLLOWING:
   - GRAVITY SEWER AND STORM DRAIN
     a. 3/4" CLEAN GRAVEL PER ASTM D2321
   - WATER AND PRESSURIZED SEPTIC
     a. SAND PER ASTM C33 OR CLS 2 AB
5. FOR 2 PIPES IN COMMON TRENCH, MAINTAIN 12 IN CLEARANCE BETWEEN PIPES & 6 IN MIN BETWEEN PIPES & TRENCH WALL.

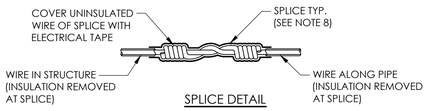
TRENCH BKFL DETAIL 1 C760
NTS



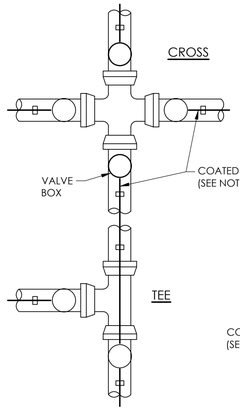
TYPICAL TRENCH

NOTES:
1. LOCATING WIRE SHALL BE INSTALLED WITH ALL ALL NON-METALLIC PIPELINES.
2. WIRE SHALL BE BLUE COATED (WATER) OR GREEN COATED (SEWER/STORM) #10 AWG SOLID COPPER.
3. WIRE SHALL BE PLACED ON TOP OF PIPE, ATTACHED TO THE PIPE w/ DUCT TAPE @ 10' O.C.
4. WIRE SHALL BE CONTINUOUS BETWEEN STRUCTURES, EXCEPT WHERE WATER VALVE BOXES ARE WITHIN TEN (10) FEET OF PIPE INTERSECTION.
5. WIRE SHALL NOT TOUCH METALLIC STRUCTURES, VALVES, OR FITTINGS (MAINTAIN 3 INCHES CLEAR DISTANCE).
6. WIRE SHALL BE PLACED WITHIN 6'-12" OF TOP OF STRUCTURES AND WITH SUFFICIENT EXCESS TO ALLOW FOR ABOVE GROUND CONNECTION TO LOCATING EQUIPMENT (TWO FOOT MINIMUM).
7. ALL VALVES, INCLUDING FIRE HYDRANT VALVES, SHALL HAVE LOCATING WIRES.
8. ALL SPLICE INSTALLATIONS SHALL BE WITHIN A STRUCTURE.
9. ALL NON-METALLIC UTILITY MAIN INSTALLATIONS OUTSIDE OF THE PUBLIC RIGHT-OF-WAY SHALL INCLUDE LOCATING WARNING TAPE INSTALLED 12 INCHES ABOVE THE MAIN AND SHALL BE UNBROKEN THE ENTIRE RUN OF THE PIPE.
10. TAPE SHALL BE 2 INCH WIDE DETECTABLE METALLIC WARNING TAPE, COLOR CODED AND IMPRINTED APPROPRIATE TO THE MATERIAL TO BE CONTAINED WITHIN THE PIPE (E.G. POTABLE WATER, RAW SEWAGE) (I.E. "CAUTION - BURIED WATER LINE BELOW").
11. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SUBMITTAL CUT SHEET FOR LOCATION WIRE AND WARNING TAPE PRIOR TO CONSTRUCTION.

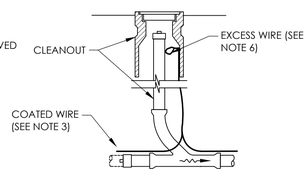
LOCATION WIRE AND WARNING TAPE DETAIL 3 C760
NTS



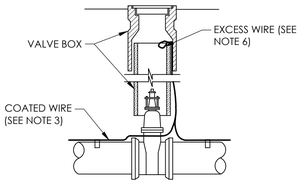
SPLICE DETAIL



TYPICAL WATER LAYOUT

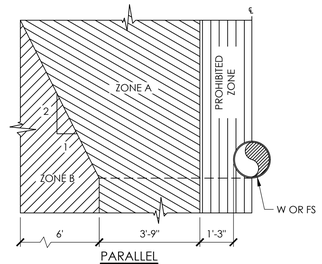


CLEANOUT

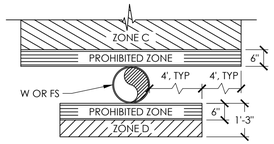


WATER VALVE

CASE-1
(NEW SEWER PIPELINE)

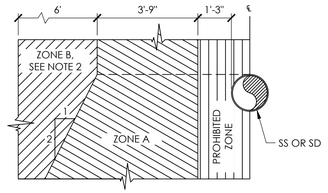


PARALLEL

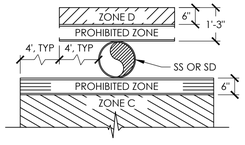


PERPENDICULAR

CASE-2
(NEW WATER PIPELINE)



PARALLEL

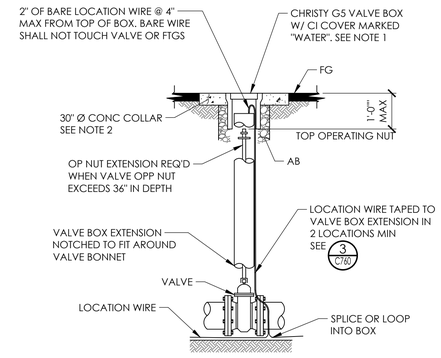


PERPENDICULAR

ZONE	CASE-1	CASE-2
PROHIBITED	(N) CONSTRUCTION IS PROHIBITED W/IN THIS AREA	(N) CONSTRUCTION IS PROHIBITED W/IN THIS AREA
A	(N) CONSTRUCTION W/IN THIS AREA SHALL HAVE PRIOR WRITTEN APPROVAL FROM BOTH DDW & THE ENGR	(N) CONSTRUCTION W/IN THIS AREA SHALL HAVE PRIOR WRITTEN APPROVAL FROM BOTH DDW & THE ENGR
B	(N) CONSTRUCTION W/IN THIS AREA SHALL BE DIP W/ COMPRESSION JTS OR PVC W/ RUBBER RING JTS (ASTM D3034)	(N) CONSTRUCTION W/IN THIS AREA SHALL BE DIP W/ COMPRESSION JTS OR PVC W/ RUBBER RING JTS (ASTM D3034)
C	(N) CONSTRUCTION SHALL BE DIP, DR 14 PVC, OR HDPE (C906-99) & HAVE NO JTS W/IN 8 FT FROM EITHER SIDE OF SEWER MAIN	(N) CONSTRUCTION SHALL BE DIP, DR 14 PVC, OR HDPE (C906-99) & HAVE NO JTS W/IN 8 FT FROM EITHER SIDE OF SEWER MAIN
D	(N) CONSTRUCTION SHALL BE DIP, DR 14 PVC, OR HDPE (C906-99) & HAVE NO JTS W/IN 4 FT FROM EITHER SIDE OF SEWER MAIN	(N) CONSTRUCTION SHALL BE DIP, DR 14 PVC, OR HDPE (C906-99) & HAVE NO JTS W/IN 4 FT FROM EITHER SIDE OF SEWER MAIN

NOTES:
1. CONTRACTOR SHALL REPORT AREAS NOT SHOWN ON PLANS THAT REQUIRE WATER MAIN PLACEMENT W/IN ZONES A, B, C, OR D TO THE ENGR. THESE ZONES REQUIRE STATE WATER RESOURCES CONTROL BOARD, DIVISION OF DRINKING WATER APPROVAL PRIOR TO INSTALLATION.
2. ZONE B REQUIREMENTS DO NOT APPLY WHEN PARALLEL TO (E) STORM DRAIN.

PIPE SEPERATION DETAIL 2 C760
NTS



NOTES:
1. SET VALVE BOX & COLLAR ¼ IN BELOW GRADE IN PAVED AREAS & 2 IN ABOVE GRADE IN ALL OTHER LOCATIONS.
2. CONC COLLAR SHALL BE 12 IN THICK WHERE ANY VEHICULAR TRAFFIC IS EXPECTED & 4 IN THICK IN ALL OTHER LOCATIONS.

TYPICAL WATER VALVE DETAIL 4 C760
NTS

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ARCHITECT'S STAMP

LICENSED ARCHITECT
TAMI R. VAN DENBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HYW 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
90% CD	23-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 17-APRIL-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

C760

TRENCHING DETAILS

YUROK YOUTH CENTER

YUROK RESERVATION

23001 CA HWY 96

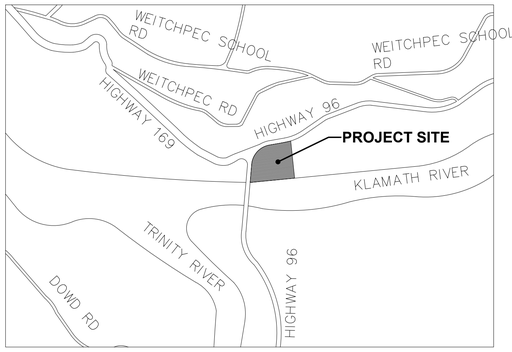
WEITCHPEC CA 95546

CONSTRUCTION DOCUMENTS PACKAGE

General Notes

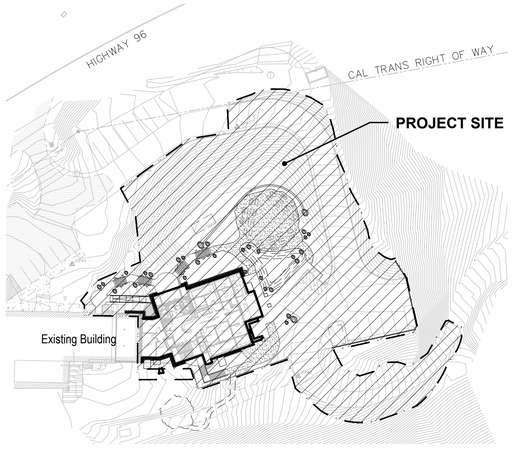
This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations on the same. The stamping of the plan and specifications shall not be held to permit or be an approval of the violation of any provisions of any city ordinance, state law or federal law.

VicinityMap



HUMBOLDT COUNTY

Site Map



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Contact: Ryan Turner

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AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call 811
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Sheet Index

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LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOSN
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Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

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PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

T0.00

TITLE SHEET

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CONSTRUCTION NOTES

1. This plan is for the purpose of horizontal control (staking) of construction features not located by the project civil engineer or architectural drawings and for construction reference of site construction features detailed herein.
2. All dimensions are staked perpendicular or parallel, unless otherwise indicated.
2. All planter walls shall be 1'-0" clear from any architectural element unless otherwise noted on plan.
3. All accessibility references shall comply to "California Title 24" requirements or related BMP as determined by the Yurok Tribe Building Department.
4. All wood in contact with grade, concrete, or masonry must be treated.
5. Ensure that fine grades have been set correctly prior to installing walks, footings, walls, and other structures.
6. Conform work to requirements of latest adopted edition of uniform building code and other applicable local and state codes, ordinances and regulations.
7. AutoCAD 2015 file of the base are available to supplement the dimensions shown on the plan.
8. Where conflicts occur between general construction notes, drawings, specs and actual field conditions, notify owner's authorized representative for clarification. Failure to provide such notification may make contractor liable for costs incurred to rectify the discrepancy.
9. The contractor shall not willfully proceed with construction operations when it is obvious that unknown obstructions and grade differences exist that may not have been known during the design process. The contractor shall immediately bring such conditions to the attention of owner's authorized representative for resolution. The contractor shall assume full responsibility for costs incurred and required modifications due to lack of providing such notification.
10. Coordinate with other consultants' work to properly execute contractor's work.
11. Ensure that drainlines, electrical conduits, sleeves, etc., are in place prior to installation of paving and walls.
12. Replace or repair existing materials that are damaged by contractor during construction operations.
13. Paving, sealant and wall mock-ups are required- refer to specification for complete mock-up criteria.
14. Ensure that curved edges have smooth and continuous curves.
15. Verify property and limit-of-work lines prior to commencing work.
16. Refer to city and county standards for standard plans and specifications where applicable.
17. Dimensions indicated on drawings are taken from outside face of walls, paving, curbs, ect. unless otherwise indicated on drawings.
18. Written dimensions take precedence over scaling of drawings.
19. The contractor shall be responsible to consult with site superintendent and drawings for verifying locations of underground utilities, pipes, and related structures. The contractor shall take sole responsibility for costs incurred due to damage of said utilities if proper verification was not performed.
20. Contractor shall refer to master construction legend for color, finishes, types and manufacturer requirements.
21. Site elements such as concrete paving, pavers, and joints are to continue underneath site furniture and planter pots.
22. Contractor to notify Landscape Architect for site furnishing location. Review/ approve before securing the site furnishings.
23. Contractor to notify Landscape Architect for hardscape form review/ approval before pouring concrete.

CONSTRUCTION REFERENCE LEGEND

ITEM	DESCRIPTION	DETAIL
1	CONCRETE CURB	REFER TO CIVIL ENG. PLANS
2	A.C. PARKING LOT AND ROAD	REFER TO CIVIL ENG. PLANS
3	CONCRETE RAMP	REFER TO ARCH PLANS
4	SEPTIC SYSTEM EQUIPMENT	REFER TO CIVIL ENG. PLANS
5	PARKING LOT STRIPING	REFER TO CIVIL ENG. PLANS
6	GRAVEL ROAD	REFER TO CIVIL ENG. PLANS
7	HVAC CONCRETE PAD	REFER TO ARCH PLANS
8	FIRE PUMP	REFER TO CIVIL ENG. PLANS
9	VEHICULAR PAVING AT ACCESSIBLE STALL	REFER TO CIVIL ENG. PLANS

ABBREVIATION LEGEND

SYMBOL	DESCRIPTION
$\mathcal{L}$	CENTER LINE
EQ.	EQUAL
F.O.W.	FACE OF WALL
F.G.	FINISH GRADE
F.O.B.	FACE OF BUILDING
O.C.	ON-CENTER
L.O.W	LIMIT OF WORK
P.A.	PLANTING AREA
P.I.P	POURED IN PLACE
P$\mathcal{L}$	PROPERTY LINE
TYP.	TYPICAL
	STEP INDICATOR REFER TO CIVIL PLANS
	ALIGN WITH PARALLEL FACE

PAVING LEGEND

ITEM	DESCRIPTION	DETAIL	MATERIAL / MODEL	MANUFACTURER	COLOR	FINISH	PATTERN	JOINTING	NOTES
P-1	CONCRETE PAVING - BROOM	A / L1.51	CAST IN PLACE CONCRETE	NA	NATURAL GRAY	MEDIUM BROOM	PER PLAN	3/8" SAW CUT	SEE FOOTNOTE #1,2,3
P-2	CONCRETE PAVING - HAND-SEEDED	A / L1.51	CAST IN PLACE CONCRETE	SOURCE PEBBLES ON-SITE, OR USE SOUSA READY MIX OR EQUAL P: 530.918.9415	NATURAL GRAY W/ TRI COLOR COUNTY 1/4" PEBBLES	HAND-SEEDED (50% COVERAGE)	PER PLAN	3/8" SAW CUT	SEE FOOTNOTE #1,2,3
P-3	DECOMPOSED GRANITE	E/ L1.51	STABILIZED DECOMPOSED GRANITE	SOUSA READY MIX OR EQUAL P: 530.918.9415	CALIFORNIA GOLD	NA	NA	NA	SEE FOOTNOTE #1,2,3,4
P-4	METAL EDGING	E/ L1.51	3/16" X 12" DEEP DURAFLEX	PERMALOC CORPORATION	BLACK	NA	NA	NA	SEE FOOTNOTE #1, 4
P-5	STAIRS	E/ L1.52	CAST IN PLACE CONCRETE	NA	NATURAL GRAY, TREAT W/ NATINA CONCRETE SPRAY	MEDIUM BROOM	NA	NA	SEE FOOTNOTE #1,2,3
P-6	LANDSCAPE BOULDERS	D / L1.51	2'-6' NATURAL BOULDERS	SOURCE ON-SITE, OR USE SOUSA READY MIX OR EQUAL P: 530.918.9415	TO MATCH EXISTING SITE BOULDERS	NA	NA	NA	SEE FOOTNOTE #1
P-7	SAWCUT JOINT, TYP.	F/ L1.51	NA	NA	NA	NA	NA	PER PLANS	SEE FOOTNOTE #1,3
P-8	DOWELED COLD JOINT, TYP.	G / L1.51	NA	NA	NA	NA	NA	PER PLANS	SEE FOOTNOTE #1,3
P-9	EXPANSION JOINT AT VERTICAL SURFACE, TYP.	C / L1.51	3/4" FOAM FILLER WITH JOINT CAP MASTIC SEALANT - DYNATRED SAND - SPECTRAQUARTZ	PECORA FAIRMOUNT MINERALS	#516 OFF-WHITE CLEAR SAND	NA	NA	PER PLANS	SEE FOOTNOTE #1,3
P-10	DECORATIVE COBBLE	H/ L1.51	4-8" TRI COLOR COUNTY COBBLE	SOUSA READY MIX OR EQUAL P: 530.918.9415	TRI COLOR COUNTY	NA	NA	NA	SEE FOOTNOTE #1,3

NOTES
1. Refer to Specifications for additional information.
2. Refer to Civil Engineer's Plans for additional information.
3. Contractor shall provide mock-up for approval.
4. Install per Manufacturer recommendation.

WALL & PILASTER LEGEND

ITEM	DESCRIPTION	DETAIL	HEIGHT	MATERIAL / MODEL		MANUFACTURER	COLOR	FINISH	NOTES
W-1	RETAINING WALL	REFER TO CIVIL AND STRUCT. PLANS	REFER TO CIVIL AND STRUCT. PLANS	WALL	8" SPLIT FACE BLOCK	ORCO OR EQUAL	NATURAL GRAY MW	TREAT WITH NATINA FOR CONCRETE	SEE FOOTNOTE #1-5
				GROUT		ORCO OR EQUAL	NATURAL GRAY		
				CAP		ORCO OR EQUAL	NATURAL GRAY		

NOTES
1. Refer to specifications for additional information.
2. Contractor shall provide a mock-up for approval with Natina Spray applied.
3. Refer to Precise Grading Plans prepared by Civil Engineer for all top of wall and top of footing elevations.

RAILING LEGEND

ITEM	DESCRIPTION	DETAIL	HEIGHT	MATERIAL / MODEL		MANUFACTURER	COLOR	FINISH	NOTES
R-1	STAIR HANDRAIL WITH CABLES	F / L1.52	36" HT.	HANDRAIL	CUSTOM 1-1/2" DIA. TUBULAR STEEL	NA	BLACK	(2) COATS PRIMER / (2) COATS PAINT	SEE FOOTNOTE #1,2
				CUSTOM ESCUTCHEON	HSS TUBE STEEL, METALIZED	NA	BLACK	(2) COATS PRIMER / (2) COATS PAINT	

NOTES
1. Refer to specifications for additional information.
2. Contractor shall provide a mock-up and submit shop drawings for approval by Landscape Architect prior to construction.

SITE AMENITIES LEGEND

ITEM	DESCRIPTION	DETAIL	MATERIAL / MODEL		MANUFACTURER	COLOR	FINISH	NOTES
SA-1	CUSTOM BENCH (ADD-ALT)	D / L1.52	PER CLIENT	2' x 12' TIMBER	RECLAIMED ON SITE OR PER CLIENT	NATURAL	SEALED	SEE FOOTNOTE #1-3
SA-2	OUTDOOR KITCHEN	E/ L1.53	BASE	CMU PRECISION BLOCK	ORCO BLOCK OR APPROVED EQUAL	-	-	SEE FOOTNOTE #1-5
			CAST-IN-PLACE CONCRETE	NA	NA	NATURAL GRAY	SMOOTH TROWEL, SEALED	
			VENEER	STONE	PER ARCH	MATCH STONE ON BUILDING	NA	
			OVEN UNIT	SUMMERSET 23" BUILT-IN OUTDOOR OVEN W/ LIQUID PROPANE CONNECTION	SUMMERSET	STAINLESS STEEL	NA	PROPANE MODEL
			DCS SERIES 9 DOUBLE SIDE BURNER/GRIDDLE 30" W/ TYPE 1 CONNECTOR	GDSBE1-302-L	DCS	STAINLESS STEEL	NA	USE TYPE 1 CONNECTOR FOR PROPANE
			SINK ASSEMBLY	ELDSSF36279DBG: DART CANYON DELUXE WORKSTATION SINK	ELKAY	STAINLESS STEEL	NA	
				FAUCET: DANF1	BROWN JORDAN			
				DISPOSAL - INSINKERATOR LC-50	INSINKERATOR	NA	NA	
			ACCESS PANEL DOOR	PGS MDS L20 SINGLE DOOR	PGS	STAINLESS STEEL	BRUSHED	

NOTES
1. Refer to specifications for additional information.
2. Contractor shall submit shop drawings for approval by Landscape Architect prior to construction.
3. Contractor shall review locations with Landscape Architect prior to setting.
4. Install per manufacturer recommendation.
5. Refer to Structural Engineer's plans for additional information/details.

BOULDER SCHEDULE

	ITEM	DESCRIPTION
A	LANDSCAPE BOULDER	48" W X 60"L X 36" H
B	LANDSCAPE BOULDER	24" W X 48"L X 24" H
C	LANDSCAPE BOULDER	12" W X 24"L X 12" H

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LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOSN
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

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EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L1.00

CONSTRUCTION LEGEND & NOTES

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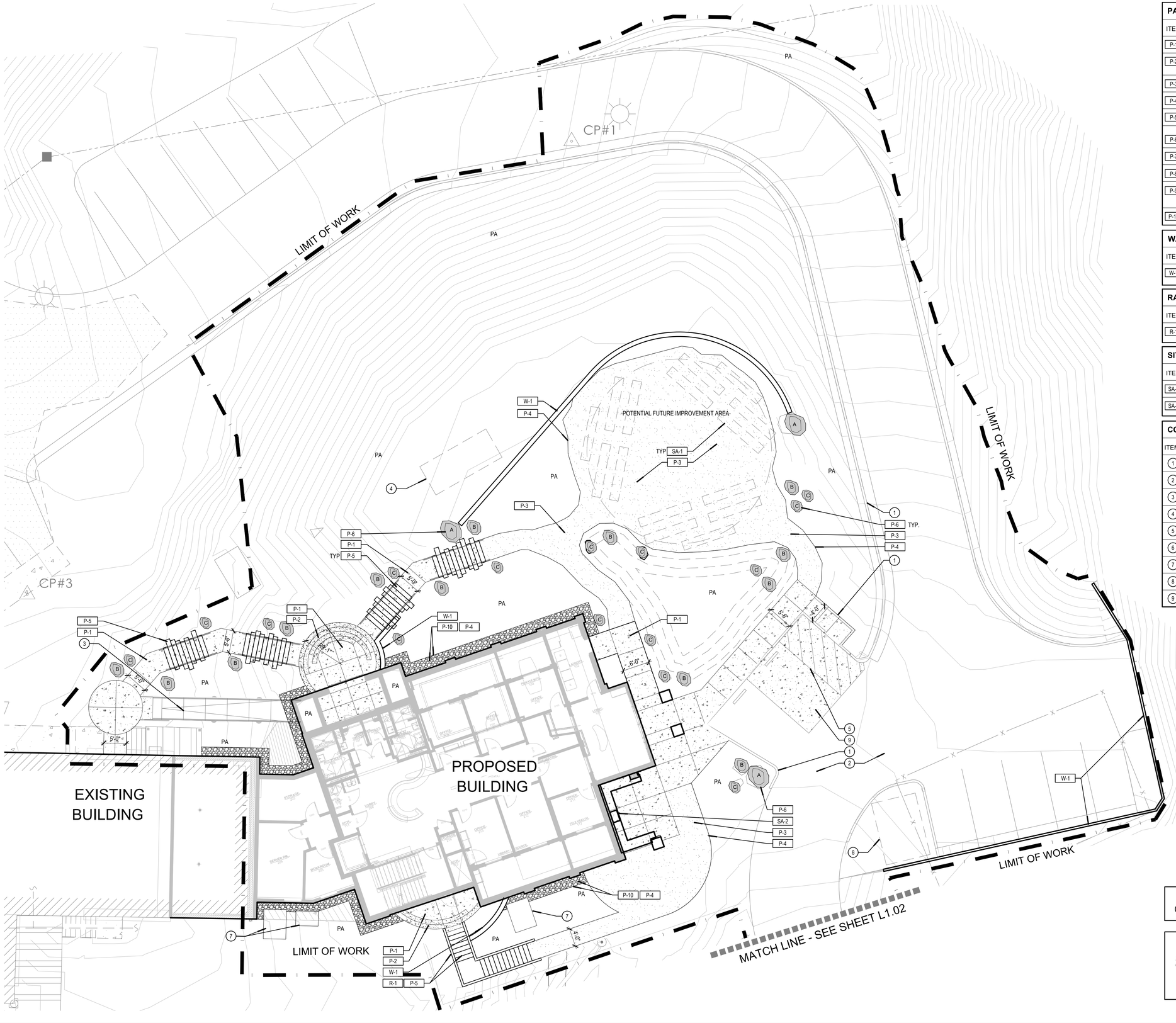

PAVING LEGEND

ITEM	DESCRIPTION	DETAIL
P-1	CONCRETE PAVING - BROOM	A / L1.51
P-2	CONCRETE PAVING - HAND-SEEDED	A / L1.51
P-3	DECOMPOSED GRANITE	E/ L1.51
P-4	METAL EDGING	E/ L1.51
P-5	STAIRS	E/ L1.52
P-6	LANDSCAPE BOULDERS	D / L1.51
P-7	SAWCUT JOINT, TYP.	F/ L1.51
P-8	DOWELED COLD JOINT, TYP.	G / L1.51
P-9	EXPANSION JOINT AT VERTICAL SURFACE, TYP.	C / L1.51
P-10	DECORATIVE COBBLE	H/ L1.51

WALL & PILASTER LEGEND

ITEM	DESCRIPTION	DETAIL
W-1	RETAINING WALL	REFER TO CIVIL AND

RAILING LEGEND

ITEM	DESCRIPTION	DETAIL
R-1	STAIR HANDRAIL WITH CABLES	F / L1.52

SITE AMENITIES LEGEND

ITEM	DESCRIPTION	DETAIL
SA-1	CUSTOM BENCH (ADD-ALT)	D / L1.52
SA-2	OUTDOOR KITCHEN	E/ L1.53

CONSTRUCTION REFERENCE LEGEND

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7	HVAC CONCRETE PAD	REFER TO ARCH PLANS
8	FIRE PUMP	REFER TO CIVIL ENG. PLANS
9	VEHICULAR PAVING AT ACCESSIBLE STALL	REFER TO CIVIL ENG. PLANS

BOULDER SCHEDULE

	ITEM	DESCRIPTION
A	LANDSCAPE BOULDER	48" W X 60"L X 36" H
B	LANDSCAPE BOULDER	24" W X 48"L X 24" H
C	LANDSCAPE BOULDER	12" W X 24"L X 12" H

REFER TO SHEET L1.00 FOR MASTER CONSTRUCTION SCHEDULES AND NOTES

0 5 10 20 Feet

Scale: 1" = 10'

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LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
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PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

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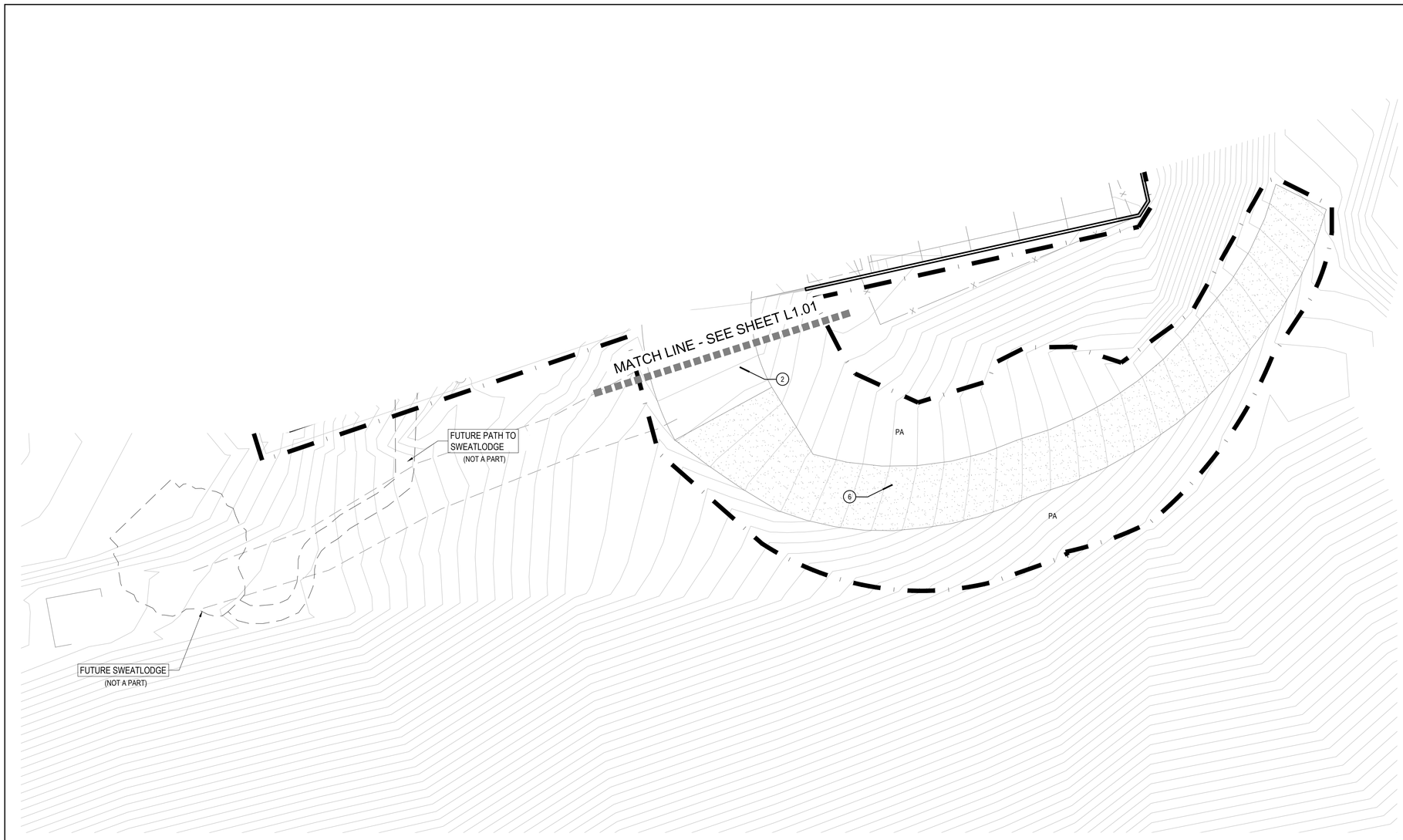

CONSTRUCTION REFERENCE LEGEND

ITEM	DESCRIPTION	DETAIL
1	CONCRETE CURB	REFER TO CIVIL ENG. PLANS
2	A.C. PARKING LOT AND ROAD	REFER TO CIVIL ENG. PLANS
3	CONCRETE RAMP	REFER TO ARCH PLANS
4	SEPTIC SYSTEM EQUIPMENT	REFER TO CIVIL ENG. PLANS
5	PARKING LOT STRIPING	REFER TO CIVIL ENG. PLANS
6	GRAVEL ROAD	REFER TO CIVIL ENG. PLANS
7	HVAC CONCRETE PAD	REFER TO ARCH PLANS
8	FIRE PUMP	REFER TO CIVIL ENG. PLANS
9	VEHICULAR PAVING AT ACCESSIBLE STALL	REFER TO CIVIL ENG. PLANS

REFER TO SHEET L1.00 FOR MASTER CONSTRUCTION SCHEDULES AND NOTES

0 5 10 20 Feet

Scale: 1" = 10'

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LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

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PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
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L1.02

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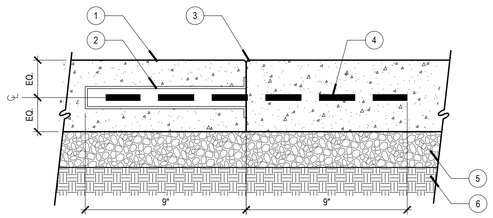
NOTES:
A. REFER TO CONSTRUCTION PLANS FOR DOWELED COLD JOINT LOCATIONS

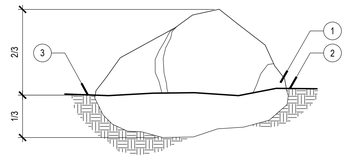
1. CONCRETE PAVING
2. SPEED DOWEL PER GEOTECHNICAL REPORT
3. 1/8" TOOLED RADIUS, TYP.
4. REINFORCEMENT PER GEOTECHNICAL REPORT
5. COMPACTED GRAVEL SUB-BASE PER GEOTECHNICAL REPORT
6. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT



G **Doweled Cold Joint** — Constr. Legend Ref. P-8
Scale: 3" = 1'-0"

1. BOULDER -REFER TO CONSTRUCTION LEGEND
2. FINISH GRADE
3. PLANTING AREA

NOTES:
A. BOULDERS HAVE BEEN FIELD SELECTED BY LANDSCAPE ARCHITECT
B. THE FINAL POSITION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SETTING AND BACK FILL
C. FACING MARKS (PAINT AND CHALK) AND ALL UNNATURAL MARKINGS SHALL BE REMOVED FROM ALL VISIBLE SURFACES OF THE BOULDER

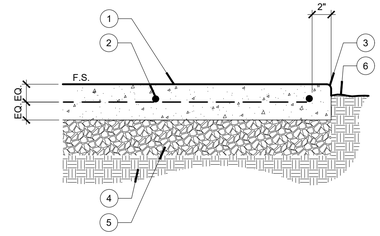


Vertical Control

D **Decorative Boulder** — Constr. Legend Ref. P-6
Scale: 3/4" = 1'-0"

1. CIP CONCRETE PAVING, REFER TO CONSTRUCTION SCHEDULE FOR TYPE AND SPECIFICATIONS
2. STEEL REINFORCEMENT PER GEOTECHNICAL REPORT, TYP. SET MID-DEPTH OF SLAB
3. 3/8 " RADIUS, TYPICAL @ EDGE
4. COMPACTED OR NATIVE UNDISTURBED SUB-GRADE, TYP.
5. GRADED COMPACTED SUB-BASE PER GEOTECHNICAL REPORT
6. FINISH GRADE:
   -1" IN TURF AND DYMONDIA AREA
   -3" IN SHRUB AND GROUNDCOVER AREA

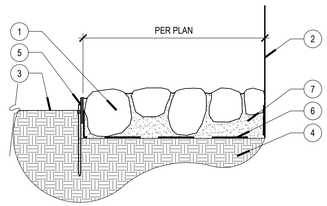
NOTES:
A. LOCATION OF SCORE LINES, HAND TOOLED JOINTS AND EXPANSION JOINTS PER PLAN
B. COLOR AND FINISH OF CONCRETE PER MASTER CONSTRUCTION LEGEND



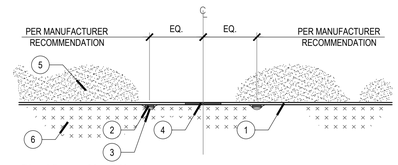
A **Concrete Paving** — Constr. Legend Ref. P-2, P-1
Scale: 1 1/2"-1'-0"

1. COBBLE, REFER TO MASTER CONSTRUCTION LEGEND
2. FACE OF WALL
3. ADJACENT PLANTING AREA
4. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
5. METAL STAKE, MATCH DG STAKE CONDITION
6. FILTER FABRIC
7. CLEAN SAND BED

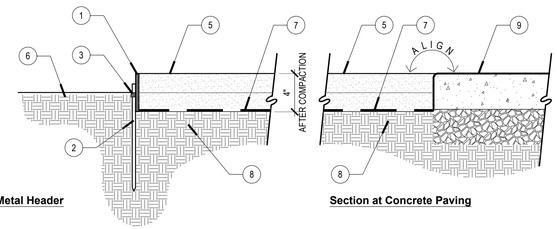
NOTE:
A. LEVEL OF COBBLES FLUSH WITH
B. TOP OF PAVING
HAND SET COBBLES FLAT SIDE UP, SPACING SHALL NOT EXCEED 1".



H **Cobble Band at Vertical Surface** — Constr. Legend Ref. P-10, P-1
Scale: 1"=1'-0"



Plan View at Metal Header



Section at Metal Header **Section at Concrete Paving**

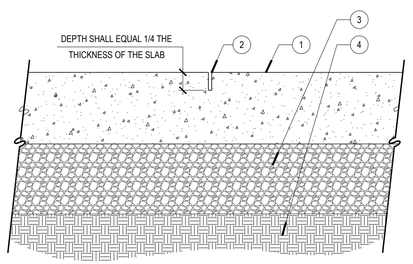
1. STEEL EDGING
2. STEEL ANCHORING STAKE
3. STAKE CONNECTION LOOP
4. STEEL SLIDING CONNECTOR
5. DECOMPOSED GRANITE PAVING SET IN TWO LIFTS - FIRST LIFT COMPACTED TO 95% DENSITY
6. FINISH GRADE
7. 140 MIRAFI FILTER FABRIC UNDERLAY - OVERLAP MINIMUM 12" AT ALLS PLICES
8. COMPACTED SUB-BASE PER GEOTECHNICAL REPORT
9. ADJACENT CONCRETE PAVING PER PLAN

NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR ALL MODEL NUMBERS, MATERIALS, COLORS AND FINISHES

E **Metal Header at Decomposed Granite** — Constr. Legend Ref. P-3, P-4
Scale: 1 1/2"-1'-0"

1. CONCRETE PAVING
2. 1/8" WIDE SAWCUT JOINT
3. SUB-BASE PER GEOTECHNICAL REPORT, TYP
4. COMPACTED SUBGRADE PER GEOTECHNICAL REPORT

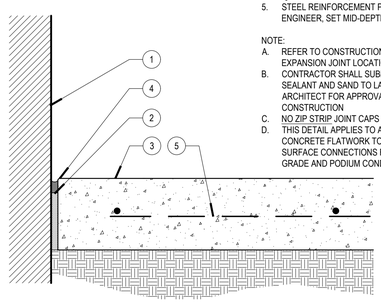
NOTES:
A. REFER TO CONSTRUCTION PLAN FOR JOINT LOCATIONS
B. SCORE JOINTS SHALL OCCUR AT A MINIMUM OF 5'-0" O.C.



F **Sawcut Joint, Typ.** — Constr. Legend Ref. P-7
Scale: 3" = 1'-0"

1. VERTICAL SURFACE (ARCHITECTURE, PLANTER, WALL, COLUMN, ETC.) WITH SCREED DETAIL
2. ½" FOAM FILLER WITH JOINT CAP AND MASTIC SEALANT WITH CLEAN SILICA SAND
3. CONCRETE PAVING - PER PLAN
4. ⅛" TOOLED EDGE, TYP.
5. STEEL REINFORCEMENT PER STRUCTURAL ENGINEER, SET MID-DEPTH OF SLAB

NOTE:
A. REFER TO CONSTRUCTION PLAN FOR EXPANSION JOINT LOCATIONS
B. CONTRACTOR SHALL SUBMIT A SAMPLE OF SEALANT AND SAND TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION
C. NO ZIP STRIP JOINT CAPS ALLOWED
D. THIS DETAIL APPLIES TO ALL AREAS WITH CONCRETE FLATWORK TO VERTICAL SURFACE CONNECTIONS FOR ALL ON GRADE AND PODIUM CONDITIONS



C **Isolation Joint at Vertical Surface** — Constr. Legend Ref. P-9
Scale: 3" = 1'-0"

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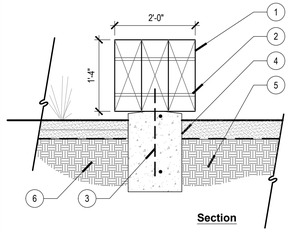
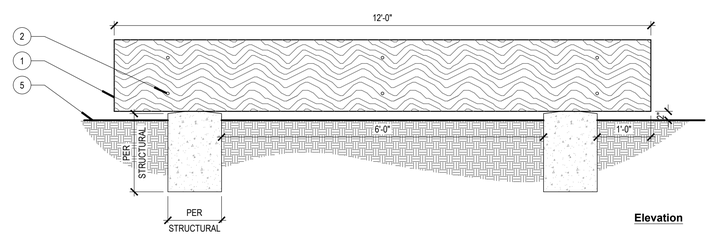
1. 2" X 12" RECLAIMED REDWOOD TIMBER
2. (6) HORIZONTAL COUNTER SUNK ⅝" S.S. ALL THREAD W/ S.S. NUTS AND WASHERS, WITH NYLON WASHERS BETWEEN PIECES, PLUG AND GLUE HOLE WITH SAME WOOD TO HIDE HARDWARE AND SAND TO BLEND WITH SURFACE.
3. REBAR
4. CONCRETE FOOTING, BURY 2" BELOW GRADE
5. FINISH SURFACE
6. COMPACTED SUBGRADE, PER GEOTECHNICAL REPORT

NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR WOOD SUPPLIER, FINISH, AND ADDITIONAL INFORMATION.



Section



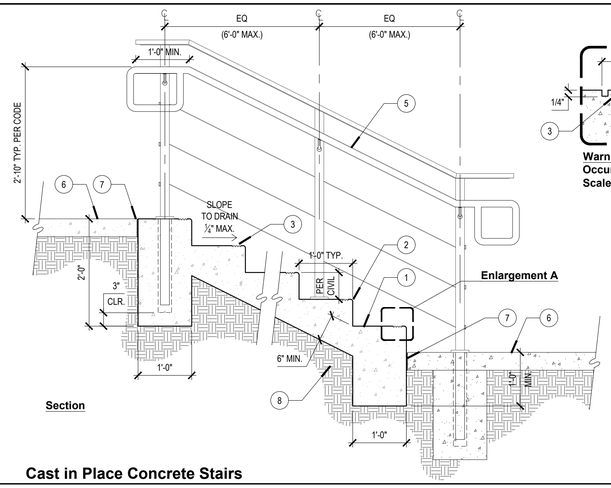
Elevation

D Timber Bench

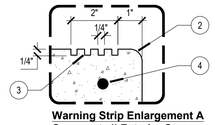
Scale: 3/4" = 1'-0"

Constr. Legend Ref. SA-3

Struct. Ref. - -



Section



Warning Strip Enlargement A
Occurs at all Exterior Steps
Scale: NTS

Enlargement A

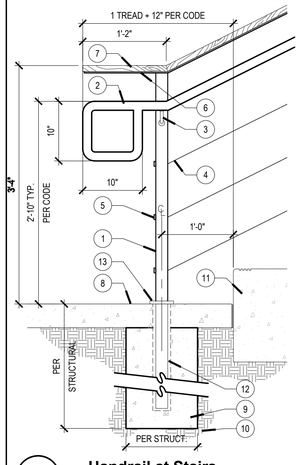
1. P.I.P CONCRETE STAIRS
2. ½" RADIUS EDGE, TYP.
3. HAND TOOLED WARNING STRIP TO EXTEND FULL WIDTH OF THE STEP, TERMINATED WITH PERPENDICULAR SAWCUT - STAIN WITH CONTRASTING COLOR, QC PATINA STAIN AND PROVIDE SAMPLE FOR APPROVAL, SEE WARNING STRIP ENLARGEMENT FOR MORE INFORMATION
4. REINFORCEMENT PER STRUCTURAL ENGINEER'S DETAILS
5. HANDRAIL PER PLAN
6. ADJACENT CONCRETE PAVING PER PLAN
7. EXPANSION JOINT
8. COMPACTED SUBRADE PER GEOTECHNICAL REPORT

NOTES:
A. REFER TO MASTER CONSTRUCTION LEGEND FOR COLOR, FINISH AND STAIN
B. REFER TO STRUCTURAL ENGINEER'S DRAWINGS FOR REINFORCEMENT
C. REFER TO CIVIL ENGINEER'S DRAWINGS TO VERIFY RISER QUANTITY AND RISER HEIGHT
D. ALL STEPS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM DEPTHS
E. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM
F. TREADS SHALL BE 12 INCHES
G. THE RADIUS OF THE CURVATURE OF THE LEADING EDGE OF THE TREAD SHALL BE NO GREATER THAN ½"
H. CONTRASTING TREAD SHALL BE PARALLEL TO, AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP.

E Cast in Place Concrete Stairs

Scale: 3/4" = 1'-0"

Constr. Legend Ref. P-5



1. 2" DIA. TUBULAR STEEL POST
2. 1 ½" DIA. TUBE STEEL HANDRAIL
3. STEEL BRACKET ATTACHMENT FOR HANDRAIL, WELD TO POST
4. ¼" STAINLESS STEEL CABLES
5. S-8 SWAGING STUD & INVISIWARE RECEIVER SYSTEM
6. ⅜" x 4" CONTINUOUS STEEL FLAT STOCK, WELDED TO EACH POST
7. 1x6 WOOD TOP, ATTACHED TO STEEL FLAT STOCK WITH COUNTERSUNK SCREWS
8. ADJACENT PAVING -REFER TO CONSTRUCTION PLAN
9. CONCRETE FOOTING -REFER TO STRUCTURAL DRAWINGS
10. COMPACTED SUB-GRADE -REFER TO GEOTECHNICAL REPORT
11. ADJACENT STEPS -REFER TO CONSTRUCTION PLAN
12. EMBED POST - REFER TO STRUCTURAL DRAWINGS
13. CUSTOM ESCUTCHEON PLATE AS BASE OF POST

NOTES:
A. ALL WELDS SHALL BE ⅛" FILLET WELDS - GRIND ALL WELDS SMOOTH
B. REFER TO MASTER CONSTRUCTION LEGEND FOR COLOR AND FINISH
C. REFER TO STRUCTURAL ENGINEER'S DRAWINGS FOR FOOTING AND REINFORCEMENT INFORMATION
D. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION

F Handrail at Stairs

Scale: 1" = 1'-0"

Constr. Legend Ref. R-1

Struct. Ref. X / LS1.X

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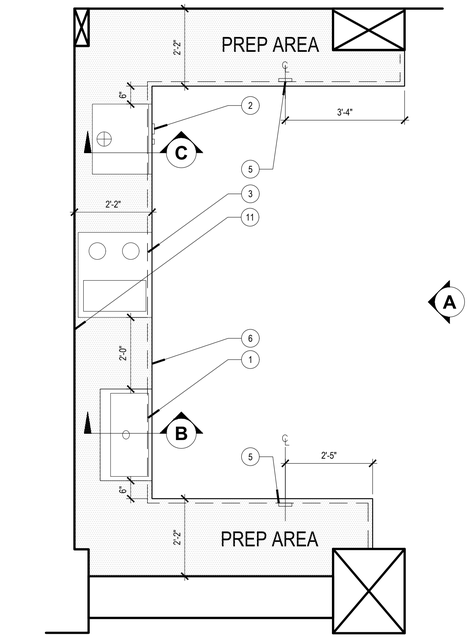
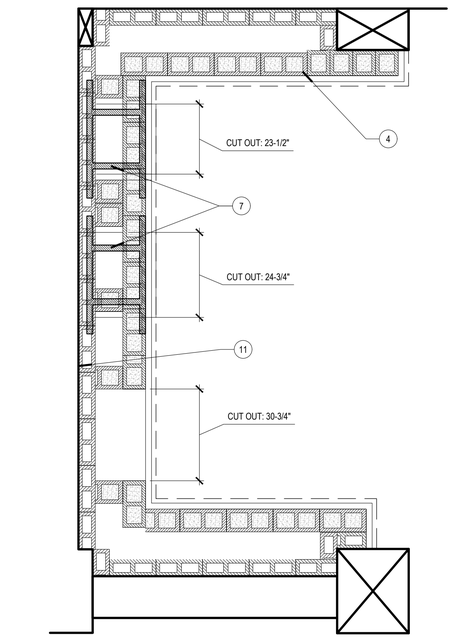
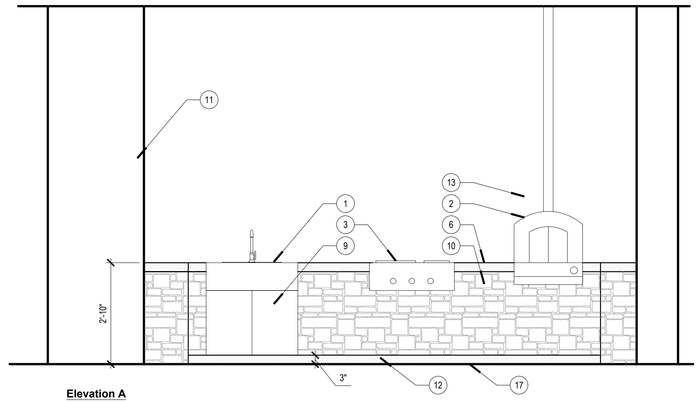


Plan View



Plan View- Framing

A



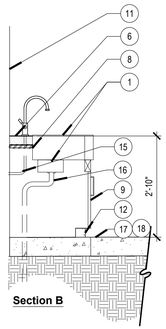
Elevation A

1. SINK AND DISPOSAL -REFER TO MASTER CONSTRUCTION SCHEDULE
2. OVEN - REFER CONSTRUCTION SCHEDULE
3. STOVETOP W/ TYPE 1 PROPANE CONNECTIONS
4. CMU BLOCK-GROUT AND FILL ALL VOIDS SOLID
5. ELECTRICAL OUTLET
6. 3" THICK POURED-IN-PLACE CONCRETE COUNTER TOP, SMOOTH TROWELED W/ ALL EDGES EASED. SEAL
7. 2" FLAT STOCK STEEL BBQ FRAME SUPPORT
8. MARINE- GRADE PLYWOOD SUBSTRATE - ATTACH TO CMU WITH PRESSURE TREATED HEADER
9. ACCESS DOOR
10. DECORATIVE VENEER, REFER TO MASTER CONSTRUCTION LEGEND
11. BUILDING- PER ARCH
12. TOE KICK
13. OVEN VENT- PER ARCH
14. PROPANE CONNECTION - PER PLUMBING
15. WATER SUPPLY LINE - PER PLUMBING
16. DRAIN LINE - PER PLUMBING
17. FINISH GRADE
18. ADJACENT PAVING -REFER TO CONSTRUCTION PLAN

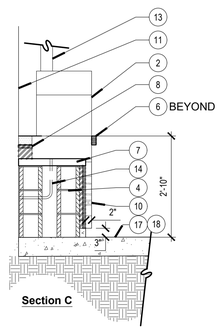
NOTES:

A. CONTRACTOR SHALL REFER TO MASTER CONSTRUCTION LEGEND FOR ALL MODEL NUMBERS - COLORS, MATERIAL, AND FINISHES
B. REFER TO CIVIL ENG. AND ARCH. PLANS FOR DRAINAGE
C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS AND GRADES PRIOR TO FABRICATION
D. REFER TO STRUCTURAL PLANS FOR REINFORCEMENT

19.



Section B



Section C

E **Outdoor Kitchen**
Scale: 1/2" = 1'-0"

Constr. Legend Ref. SA-2
Struct. Ref. X / S-X

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L1.53

CONSTRUCTION DETAILS

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WATER IRRIGATION EQUIPMENT LEGEND - CONVENTIONAL SYSTEM

SYMBOL	MANUFACTURER AND MODEL
W	RAINBIRD FM150B 1 ½" DOMESTIC WATER SUB-METER - PROVIDED BY OWNER. VERIFY SERVICE, PRESSURE AND LOCATION IN FIELD.
ELECTRIC METER / SERVICE NOT SHOWN	ELECTRIC SERVICE - PROVIDED BY OWNER. VERIFY SERVICE AND LOCATION IN FIELD PER ELECTRICAL ENGINEERING PLANS. CONTRACTOR RESPONSIBLE FOR ELECTRICAL CONNECTIONS FROM ELECTRIC METER TO ALL IRRIG. CONTROLLERS & IRRIG. PUMPS PER THE ELECTRICAL ENG. PLANS WITHIN CONTRACTED SCOPE OF WORK AREA.
	WATTS FEBCO 825 Y BACKFLOW PREVENTION DEVICE WITH TEST COCK CLEAN OUT VALVE, (20 MESH) 'Y' STRAINER, COVER BACKFLOW ASSEMBLY INSTALLED WITHIN A STRONG BOX SBBC SERIES BACKFLOW ENCLOSURE (SIZE PER BACKFLOW ASSEMBLY) INSTALLED PER DETAILS AND MANUF. SPECIFICATIONS.
	WILKINS 510XL SERIES PRESSURE REGULATOR 75-125 PSI. (SIZE PER PLAN)
	RAIN BIRD EFB-CP SERIES BRASS REMOTE CONTROL "MASTER" VALVE. SIZE PER PLAN.
F	CST FLOW SENSORS SERIES FSI-T. (SIZE PER PLAN). INSTALL AND CALIBRATE FLOW SENSOR PER FLOW SENSOR AND CONTROLLER MANUFACTURERS SPECIFICATIONS.
	NIBCO T-113 SERIES THREADED GATE VALVE WITH CROSS TOP HANDLE FOR MAINLINES 2" AND SMALLER. (SIZE PER PLAN)
	RAIN BIRD 44-ACME SERIES - 1" QUICK COUPLER WITH LOCKING VINYL COVER. INSTALL ON DOMESTIC WATER MAINLINE PER PLANS, DETAILS AND SPECIFICATIONS.
	RAIN BIRD -PESB-000-PRSD (SIZE PER PLAN) CONTROL ZONE KITS
	NETAFIM 65ARIB1-150 1" COMBINATION AIR AND VACUUM RELIEF VALVE. INSTALL PER PLAN AND MANUFACTURERS SPECIFICATIONS.
F	EZ FLOW FERTILIZER INJECTOR FX & HC SERIES IN RECTANGULAR VALVE BOX WITH SOLVENT WELD BALL COUPLING. INJECTOR AND VALVE BOX. (SIZE PER LEGEND) LOCATED ON INJECTOR DETAIL.
CONTROLLER	RAINBIRD ESP-LXME2 12-48 STATION IRRIGATION CONTROLLER IN A VIT STRONG BOX STAINLESS STEEL METERED/CONTROLLER ENCLOSURES ASSEMBLIES WITH RAIN SENSOR, REMOTE CONTROL RECEIVER CONNECTOR ASSEMBLY, EXTERNAL ANTENNA, 1 YEAR OF PRE-PAID DATA SUBSCRIPTION & FLOW SENSOR (SIZE PER PLAN). *NOTE: 1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF THE ELECTRIC CONDUIT FROM THE METER TO THE IRRIGATION CONTROLLER.
SPRING CHECK- NOT SHOWN	UVR SPRING CHECK VALVES. INSTALL ON ALL (DOWNWARD FLOWING) LATERAL LINES AT EVERY 10' (TEN FOOT) ELEVATION CHANGE AS NEEDED TO AVOID WATER DRAINAGE FROM SYSTEM PIPES.
SWING CHECK - NOT SHOWN	UVR SWING CHECK VALVES. INSTALL ON ALL (UPWARD FLOWING) LATERAL LINES AT EVERY 10' (TEN FOOT) ELEVATION CHANGE AS NEEDED TO AVOID WATER DRAINAGE FROM SYSTEM PIPES.
PULL BOX - NOT SHOWN	IRRIGATION WIRE PULL BOX - INSTALL WIRE WITHIN PULL BOX PER PLANS. PULL BOXES FOR COMMON WIRE SHALL BE INSTALLED EVERY 200' ON CENTER AND AT EVERY STREET CROSSING, TYPICAL.
	DOMESTIC WATER IRRIGATION MAINLINE (BURY 24" BELOW FINISH GRADE), SCH. 40 PVC FOR 2" AND SMALLER, CLASS 315 PVC-2 1/2" AND LARGER. USE SCHEDULE 80 FITTINGS AND INSTALL PER AGENCY REQUIREMENTS. (SIZE PER PLANS)
	SCHEDULE 40 GALVANIZED MAINLINE (SIZE PER PLAN) INSTALL ON GRADE W/ #4 REBAR J-HOOKS EVERY 5' O.C. FOR ALL UP OR DOWN SLOPE CONDITIONS. INSTALL A 1 1/4" UVR PVC CONDUIT W/ #4 REBAR J-HOOKS EVERY 5' O.C. FOR IRRIGATION CONTROL WIRE.
	SCH. 40 PVC LATERAL LINE (BURY 12" BELOW FINISH GRADE) INSTALL PER AGENCY REQUIREMENTS. (SIZE PER PLANS)
	SCH. 40 "UVR" PVC LATERAL LINE (INSTALL ON GRADE) W/ #4 REBAR J-HOOKS EVERY 5' O.C. (SIZE PER PLANS)
	PVC SLEEVES - USE SCHEDULE 40 PVC (FOR 2" THROUGH 4"), CLASS 315 PVC (FOR 6"), USE GALVANIZED SLEEVES FOR ALL BENCH DRAIN CROSSING, LATERAL LINE AND WIRE SLEEVES-BURY BELOW FINISH GRADE PER TRENCHING DETAIL AND ALL *WATER DISTRICTS RECYCLED WATER REQUIREMENTS.
NOT SHOWN	CONTROL AND COMMON WIRE #14AWG-UF (DIRECT BURY) SOLID COPPER WIRE (BURY WITH MAIN LINE) UL APPROVED. INSTALL A MIN. OF (2) TWO EXTRA WIRE RUNS TO EACH END OF MAINLINE RUNS.
PVC PIPE FITTINGS	SCH 40 FITTINGS - PVC PIPE FITTINGS SHALL BE SCH 40 MINIMUM
VALVE BOXES	ALL VALVE BOXES SHALL BE AS FOLLOWS: SHRUB AREA (BLACK) IN COLOR, TURF AREAS (GREEN), DG AREA (TAN) IN COLOR. INSTALL PER DETAILS AND NOTES. *APPROVAL BY OWNER / LANDSCAPE ARCHITECT IS MANDATORY FOR ANY IRRIGATION BOXES PROPOSED TO BE INSTALLED WITHIN ANY AREA OTHER THAN SHRUBS. ALL VALVE BOXES TO BE BRANDED PER DETAIL

IRRIGATION EQUIPMENT LEGEND - DRIP

SYMBOL	MANUFACTURER AND MODEL
	FLUSH VALVE MODEL AP-FV-600. INSTALL PER DETAILS AND MANUFACTURER'S SPECS.
	DRIP SYSTEM INDICATOR - INSTALL A RAINBIRD RD12-S-P30-4' VAN NOZZLE PER DETAILS
	DRIP SYSTEM SCH. 40 PVC SUPPLY AND FLUSH LINE (BURY 4" BELOW FINISH GRADE).
PER DETAIL	RAINBIRD XFS-CV-06-12 5/8" DRIP LINE 0.9 GPH @ 12" EMITTER SPACING. BURY DRIP TUBING 4" BELOW FINISH GRADE @ 12" O.C. FOR TURF AND INSTALL DRIP LINE ON GRADE @ 12" O.C. FOR SHRUB AREAS. PREPARE AND COVER DRIP SYSTEM TUBING AND COMPONENTS WITH MULCH PER PLANTING PLANS.
PER DETAIL	RAINBIRD QF DRIPLINE HEADER XQF-75-12 OR XQF-10-12 (AS NEEDED) WITH TWIST LOCK FITTINGS.
	RAIN BIRD W/ LCRBY100D LARGE CAPACITY DISC FILTER(0.3-20GPM MAX) W/ LCRBBY150D LARGE CAPACITY DISC FILTER(15-60GPM MAX). REMOTE CONTROL VALVE (SIZE PER PLAN).
NOT SHOWN	RAINBIRD COMPRESSION FITTINGS FOR 5/8" TUBING.

IRRIGATION EQUIPMENT LEGEND - HEAD

SYMBOL	MANUFACTURER AND MODEL	TYPE	P.S.I.	RADIUS MAX FEET	PRECIP INCH/HR.	PATTERN AND GPM F	H	Q	V	REMARKS
	RAIN BIRD RD04-S-P30-5Q-B	TREE POP-UP BUBBLER	30	5	-	-	-	0.50	-	MPR QTR CIRCLE STREAM BUBBLER W/ PCS SCREEN FOR PARKWAY/ PARK TREES 2 BUBBLERS PER TREE
	RAIN BIRD RD04-S-P30-(1401)	SHRUB BUBBLER	30	-	0.25	-	-	-	-	1 BUBBLER PER SHRUB
NOTE	USE ANTI-DRAIN DEVICES ON ALL SHRUB HEADS TO PREVENT LOW HEAD DRAINAGE PER FIELD CONDITION - KINGS BROTHERS UCV SERIES CHECK VALVE. IN PLANTING AREAS LESS THAN 15' THE CONTRACTOR SHALL INSTALL PCS SCREENS PER THE LEGEND.									

1800 PCS SCREEN PERFORMANCE – MPR NOZZLES

		PCS-010 1 0.02 (0.01) PURPLE		PCS-020 2 0.05 (0.01) BROWN		PCS-030 3 0.07 (0.02) SILVER		PCS-040 4 0.09 (0.03) ORANGE		PCS-060 6 0.14 (0.04) BLACK		PCS-090 9 0.20 (0.06) WHITE		PCS-125 3.25 0.28 (0.08) GREEN		PCS-175 1.75 0.40 (0.11) YELLOW		PCS-260 2.6 0.59 (0.16) BLUE		PCS-370 3.7 0.84 (0.23) RED	
GPM:																					
M/H (L/S):																					
COLOR:																					
DISTANCE		FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS	FEET	METERS
MPR	5Q	5'	(1.5)																		
	5T	5'	(1.5)																		
	5H	4'	(1.2)	5'	(1.5)																
	5F					5'	(1.5)														
	8Q	4'	(1.2)	8'	(2.4)	9'	(27')														
	8T			6'	(1.8)	7'	(2.1)	8'	(2.4)												
	8H			5'	(1.5)	7'	(2.1)	8'	(2.4)												
	8F					4'	(1.2)	5'	(0.9)	8'	(2.4)										
	10Q	2'	(0.6)	6'	(1.8)	8'	(2.4)	10'	(3.1)												
	10T			4'	(1.2)	9'	(2.7)	10'	(3.1)												
	10H			3'	(0.9)	6'	(1.8)	8'	(2.4)	10'	(3.1)										
	10F							1'	(0.3)	4'	(1.2)	8'	(2.4)	10'	(3.1)						
	12Q			3'	(0.9)	8'	(2.4)	11'	(3.4)	12'	(3.7)										
	12T			2'	(0.6)	6'	(1.8)	10'	(3.1)	11'	(3.4)	12'	(3.7)								
	12H					4'	(1.2)	6'	(1.8)	10'	(3.1)	12'	(3.7)	14'	(4.3)						
	12TT					2'	(0.6)	4'	(1.2)	6'	(1.8)	9'	(2.7)	12'	(3.7)						
	12TQ					2'	(0.6)	3'	(0.9)	6'	(1.8)	8'	(2.4)	10'	(3.1)	12'	(3.7)				
	12F							2'	(0.6)	5'	(1.5)	7'	(2.1)	8'	(2.4)	12'	(3.7)				
	15Q			3'	(0.9)	5'	(1.5)	9'	(2.7)	12'	(3.7)	15'	(4.6)								
	15T					5'	(1.5)	7'	(2.1)	12'	(3.7)	14'	(4.3)	15'	(4.6)						
	15H					3'	(0.9)	5'	(1.2)	7'	(2.1)	11'	(3.4)	15'	(4.6)	17'	(5.2)				
	15TT					1'	(0.3)	2'	(0.6)	4'	(1.2)	8'	(2.4)	10'	(3.1)	13'	(4.0)	15'	(4.6)		
	15TQ											6'	(1.8)	8'	(2.4)	14'	(4.3)	15'	(4.6)		
	15F											4'	(1.2)	6'	(1.8)	10'	(3.1)	12'	(3.7)	15'	(4.6)
	16Q-SLA	1'	(0.3)	2'	(0.6)	8'	(2.4)	11'	(3.4)	16'	(4.9)	18'	(5.5)								
	16H-SLA			0.5'	(0.2)	1'	(0.3)	4'	(1.2)	9'	(2.7)	12'	(3.7)	16'	(4.9)	20'	(6.1)				
	16F-SLA							0.5'	(0.2)	2'	(0.6)	3'	(0.9)	6'	(1.8)	12'	(3.7)	16'	(4.9)		
	22Q-SS			2'	(0.6)	7'	(2.1)	12'	(3.7)	20'	(6.1)	22'	(6.7)								
	22H-SS					2'	(0.6)	4'	(1.2)	8'	(2.4)	14'	(4.3)	22'	(6.7)	25'	(7.7)				
	22F-SS									2'	(0.6)	5'	(1.5)	7'	(2.1)	18'	(5.5)	22'	(6.7)		
BUBBLER	5Q-B			2'	(0.6)	4'	(1.2)	5'	(1.5)												
	5H-B					1'	(0.3)	2'	(0.6)	5'	(1.5)										
	5F-B							1'	(0.3)	2'	(0.6)	3'	(0.9)	5'	(1.5)						
	5CST-B			1'	(0.3)	3'	(0.9)	5'	(1.5)												
STRIP	15SQ											4'x4'	(1.2x1.2)	7'x7'	(2'1x2.1)	11'x11'	(3.4x3.4)	15'x15'	(4.6x4.6)	16'x16'	(4.9x4.9)
	9SST											9'x9'	(2.7x2.7)	9'x11'	(2.7x2.7)	9'x13'	(2.7x4.3)	9'x14'	(2.7x4.3)		
	15CST							4'x6'	(1.2x1.8)	4'x12'	(1.2x3.7)	4'x15'	(1.2x4.6)	4'x17'	(1.2x5.2)	4'x18'	(1.2x5.5)				
	15SST							4'x5'	(1.2x3.1)	4'x10'	(1.2x3.1)	4'x15'	(1.2x4.6)	4'x16'	(1.2x4.9)						
	18EST					4'x12'	(1.2x4.6)	4'x15'	(1.2x4.6)	4'x21'	(1.2x6.4)										

BOLD TYPE: INDICATES RECOMMENDED NOZZLE/SCREEN COMBINATION TO ACHIEVE CATALOG PERFORMANCE AT 30 PSI. NOTE: SCREENS WERE TESTED AT 50 PSI FOR 10 MINUTES PRIOR TO TAKING DISTANCE MEASUREMENTS. DISTANCES MAY VARY SLIGHTLY WITH HIGHER PRESSURES AND LONGER RUN TIMES.

DRIP SYSTEM INSTALLATION NOTE:

1. THE CONTRACTOR INSTALLING THE IN-LINE DRIP IRRIGATION WILL HAVE RECEIVED AN INSTALLATION TRAINING CERTIFICATE FROM THE IRRIGATION PRODUCT SUPPLIER WITHIN THE LAST YEAR.
2. DRIP HEADER SUPPLY LAYOUT - THE CONTRACTOR SHALL INSTALL THE DRIP IRRIGATION SYSTEM TUBING USING A DRIP SUPPLY HEADER (INSTALLED AT THE SOURCE, RCV, AND HIGHPOINT OF THE SYSTEM). ALL TUBING SHALL CONNECT TO A DRIP SUPPLY HEADER. IF NECESSARY, INSTALL A BRANCH/SUB SUPPLY HEADER ON THE UPHILL SIDE OF THE SYSTEM TO CONNECT ALL DRIP SUPPLY TUBING. (REFER TO THE IRRIGATION LEGEND AND DETAIL FOR THE SUPPLY HEADER MATERIALS.)
3. AIR RELEASE VALVE - PROVIDE AN AIR RELEASE VALVE AT THE HIGH POINT OF THE DRIP SYSTEM. SYSTEMS WITH INTERCONNECTED PLANTERS SHALL HAVE INDIVIDUAL AIR RELEASE VALVES AT THE HIGH POINT OF EVERY SYSTEM.
4. FLUSH VALVE - FLUSH VALVES ARE REQUIRED IN EVERY PLANTER LARGER THAN 100 SF. FLUSH VALVES TO BE LOCATED AT EASILY ACCESSIBLE LOCATIONS ADJACENT TO PAVING. INSTALL A SYSTEM INDICATOR HEAD ON EVERY SYSTEM INLINE WITH THE FLUSH VALVE LOCATIONS AS SPECIFIED IN THE DETAILS

LANDSCAPE IRRIGATION AUDITOR

THE IRRIGATION CONTRACTOR IS REQUIRED TO FULLY COMPLY WITH THE IRRIGATION PLANS DURING INSTALLATION OF THE IRRIGATION SYSTEM. ALL FIELD CHANGES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT/LANDSCAPE

WATER EFFICIENT LANDSCAPE ORDINANCE NOTIFICATION OF COMPLIANCE REQUIRED OF IRRIGATION CONTRACTORS

IRRIGATION AUDITOR. ANY WORK NOT INSTALLED IN STRICT CONFORMANCE WITH THE LANDSCAPE IRRIGATION AUDITORS REQUIREMENTS SHALL BE REMOVED AND REINSTALLED AT THE CONTRACTORS EXPENSE. THE CONTRACTOR AND OWNER SHALL REFER TO THE IRRIGATION NOTES SHEET FOR IRRIGATION CONTRACTOR'S WORK RESPONSIBILITIES AND THE LANDSCAPE ARCHITECT'S REQUIRED FIELD OBSERVATION SCHEDULE.

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LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
14988 SAND CANYON AVE, STUDIO 8
IRVINE, CA 92618
949.502.4500
EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L2.00

IRRIGATION LEGEND & NOTES

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I. CONTRACTOR'S IRRIGATION WORK RESPONSIBILITIES:

A. SCOPE OF WORK: THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.

B. CONFORMANCE: ALL IRRIGATION WORK SHALL CONFORM TO APPLICABLE LOCAL, COUNTY AND/OR STATE CODES, REGULATIONS AND RULES.

C. LICENSE: ALL WORK SHALL BE PERFORMED BY A STATE LICENSED LANDSCAPE IRRIGATION CONTRACTOR.

D. SITE VERIFICATION: PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY, AT THE SITE, ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS NECESSARY TO ACHIEVE THE INTENDED DESIGN OF THE IRRIGATION SYSTEM. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER (JOB SUPERINTENDENT) IMMEDIATELY.

E. POINT OF CONNECTION VERIFICATION: THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE, METER SIZE AND SIZE OF SERVICE TO METER (P.O.C.) AT EACH POINT OF CONNECTION PRIOR TO THE COMMENCEMENT OF WORK.

F. FIELD STAKING: PRIOR TO INSTALLATION, THE CONTRACTOR SHALL LOCATE BY STAKES OR OTHER MEANS ALL PRESSURE SUPPLY LINES, CONTROL EQUIPMENT, SHRUB / TURF DELINEATIONS AND HEADS FOR APPROVAL BY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT.

G. COORDINATION OF ACTIVITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF HIS ACTIVITIES WITH ALL OTHER TRADES THROUGH THE OWNER (JOB SUPERINTENDENT).

H. INTENDED DESIGN COVERAGE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETION, MODIFICATION OR REVISIONS OF THE SYSTEMS AS NECESSARY TO MAINTAIN THE CONSISTENT COVERAGE DESIGN OF THE CONTRACT DOCUMENTS. ANY DEVIATION FROM THE CONTRACT DOCUMENTS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT.

I. IRRIGATION PLANS: THE IRRIGATION PLANS, INCLUDING PIPING AND EQUIPMENT LOCATIONS, ARE DRAWN DIAGRAMMATICALLY. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO THE SYSTEM AS REQUIRED TO AVOID PHYSICAL ELEMENTS AND CONFORM TO THE SITE CONDITIONS. IN ALL CASES, THE CONTRACTOR SHALL INSURE THAT THERE ARE NO CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING ELEMENTS, CONSTRUCTION ELEMENTS, AND EXISTING UTILITIES.

J. ALL SPRAY SYSTEMS REQUIRE 100% DOUBLE COVERAGE PER THE DEPARTMENT OF WATER RESOURCES AB 1881 REQUIREMENTS. NOTE ALL OVERHEAD SPRAY AREAS MAY BE SUBJECT TO A THIRD PARTY IRRIGATION AUDIT. IRRIGATION ADJUSTMENTS AND ADDITION OF HEADS TO ACHIEVE UNIFORM COVERAGE SHALL BE INCLUDED IN THE CONTRACTORS BID/CONTRACT

K. ELECTRICAL CONNECTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ELECTRICAL CONNECTION FROM POWER SOURCE TO CONTROLLERS.

L. AS BUILTS: THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE 'AS BUILT' RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. DRAWINGS SHALL SHOW APPROVED SUBSTITUTIONS AND FINAL CHANGES, IF ANY, OF MATERIAL INCLUDING MANUFACTURER'S NAME AND CATALOG NUMBER. BEFORE THE TIME OF THE FINAL INSPECTION, THE CONTRACTOR SHALL TRANSFER ALL INFORMATION FROM THE 'AS BUILT' SET AND FIELD STAKING OF ALL EQUIPMENT LOCATED ON THE MAINLINE AND CONTROL WIRE LOCATION TO A REPRODUCIBLE PLAN, PROCURED FROM THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT. ALL WORK SHALL BE NEAT AND LEGIBLE. THE CONTRACTOR SHALL CERTIFY REPRODUCIBLES AS TO ACCURACY AND COMPLETENESS. ALL WORK SHALL BE NEAT AND LEGIBLE AND SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT AND APPROVED BY THE OWNER.

1. THE CONTRACTOR SHALL DIMENSION FROM 2 PERMANENT POINTS OF REFERENCE, (IE: BUILDING CORNERS, SIDEWALK OR ROAD INTERSECTIONS, ETC.) THE LOCATION OF THE FOLLOWING ITEMS:

a. POINT OF CONNECTION.
b. ELECTRICAL SERVICE CONNECTION.
c. GATE VALVE
d. ROUTING OF SPRINKLER PRESSURE LINES (DIMENSION AT EVERY CHANGE IN DIRECTION / FITTING LOCATION)
e. SPRINKLER CONTROL VALVES.
f. ROUTING OF CONTROL WIRING.
g. QUICK COUPLING VALVES.

M. CONTROLLER CHARTS: PROVIDE 2 CONTROLLER CHARTS FOR EACH CONTROLLER. THE CHART SHALL BE A REDUCED DRAWING OF THE APPROVED AS-BUILT AND SHALL SHOW THE AREA CONTROLLED BY THE CONTROLLER. THE CHART SHALL INDICATE WITH A DIFFERENT COLOR THE AREA OF COVERAGE FOR EACH STATION. WHEN COMPLETED AND APPROVED BY THE OWNER, THE CHART SHALL BE HERMETICALLY SEALED BETWEEN 2 PIECES OF 10 MIL PLASTIC AND TURNED OVER TO THE OWNER WHO WILL PLACE ONE COPY INSIDE THE CONTROLLER DOOR.

N. WRITTEN CERTIFICATION: THE CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION THAT THE IRRIGATION SYSTEM IS INSTALLED FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP AND IN FULL COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS. THIS SHALL BE ON THE CONTRACTOR'S LETTERHEAD WITH HIS IRRIGATION AND STATE LICENSED CONTRACTOR'S LICENSE NUMBER.

O. TURNOVER ITEMS: THE CONTRACTOR SHALL SUPPLY TO THE OWNER (JOB SUPERINTENDENT), AS A PART OF THIS CONTRACT, THE FOLLOWING ITEMS PRIOR TO THE TIME OF THE FINAL SITE OBSERVATION:

1. A REPRODUCIBLE SET OF 'AS BUILT' DRAWINGS.
2. THE ORIGINAL OF ANY GUARANTEE LETTERS.
3. THE ORIGINAL OF THE CERTIFICATION LETTER.
4. TWO (2) KEYS FOR EACH AUTOMATIC CONTROLLER.
5. TWO (2) SETS OF ANY SPECIAL EQUIPMENT REQUIRED FOR OPERATING, ADJUSTING, ASSEMBLING AND REMOVING EACH TYPE OF EQUIPMENT SUPPLIED ON THIS PROJECT AS REQUESTED BY THE OWNER.
6. TWO (2) QUICK COUPLER QUILLS AND HOSE SWIVEL.

P. OPERATION AND MAINTENANCE MANUALS: PRIOR TO COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PREPARE ONE (1) DIGITAL ELECTRONIC COPY AND A HARD COVER BINDER WITH THREE (3) RINGS CONTAINING THE FOLLOWING INFORMATION:

1. INDEX SHEET STATING CONTRACTOR'S ADDRESS AND TELEPHONE NUMBER, LIST OF EQUIPMENT WITH NAME AND ADDRESSES OF LOCAL MANUFACTURER'S REPRESENTATIVES
2. CATALOG AND PARTS SHEET ON EVERY TYPE OF MATERIAL AND EQUIPMENT BEING INSTALLED.
3. COMPLETE OPERATING AND MAINTENANCE INSTRUCTION ON ALL MAJOR EQUIPMENT.

II. REQUIRED FIELD OBSERVATION WORK:

A. REQUIRED FIELD OBSERVATION WORK: THESE PLANS WERE PREPARED WITH THE UNDERSTANDING THAT THE OWNER OF SAID PLANS WILL USE EPTDESIGN TO PROVIDE 'FULL' CONTRACT SERVICES INCLUDING FIELD OBSERVATION SERVICES DURING CONSTRUCTION. FAILURE TO USE EPTDESIGN TO PROVIDE AND COMPLETE THE FIELD OBSERVATION SERVICES SET FORTH HEREIN WILL SIGNIFICANTLY INCREASE THE RISK OF LOSS RESULTING, AMONG OTHER CAUSES, FROM MISINTERPRETATION OF THE INTENT OF THE DESIGN, UNAUTHORIZED MODIFICATIONS THERETO, AND FAILURE TO DETECT ERRORS AND OMISSIONS IN THE PLANS AND SPECIFICATIONS BEFORE THEY BECOME COSTLY MISTAKES BUILT INTO THE PROJECT. THEREFORE, IN THE EVENT THAT EPTDESIGN IS OTHERWISE PRECLUDED FROM COMPLETING THE FIELD OBSERVATION SERVICES SET FORTH HEREIN, THE OWNER, OR SUBSEQUENT OWNER (INDIVIDUALS OR CORPORATIONS WHO HAVE PURCHASED THESE PLANS WITH THE PROJECT), AGREES TO HOLD HARMLESS, INDEMNIFY, AND DEFEND EPTDESIGN FROM AND AGAINST ANY AND ALL CLAIMS.

III. LANDSCAPE ARCHITECT'S IRRIGATION FIELD OBSERVATION SCHEDULE:

A. FIELD OBSERVATION COORDINATION: THE FOLLOWING OBSERVATIONS SHALL BE INITIATED BY THE CONTRACTOR AND COORDINATED THROUGH THE OWNER (JOB SUPERINTENDENT). THE CONTRACTOR SHALL NOTIFY THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT NOT LESS THAN FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY OBSERVATION. CONTINUED WORK WITHOUT OBSERVATION AT THESE PHASES OF WORK IS AT THE CONTRACTOR'S RISK, WITH ANY REQUIRED CHANGE OR MODIFICATION AT THE CONTRACTOR'S EXPENSE. THE OWNER (JOB SUPERINTENDENT) SHALL INFORM THE LANDSCAPE ARCHITECT AS TO THE PURPOSE AND TIME OF THE OBSERVATION FORTY-EIGHT (48) HOURS IN ADVANCE.

B. CONTRACTOR ORIENTATION/PRE-CONSTRUCTION MEETING: THIS MEETING SHALL BE CONDUCTED TO DISCUSS THE PLANS AND SPECIFICATIONS, POSSIBLE DISCREPANCIES, SITE CONDITIONS AND OTHER ASPECTS OF THE PROJECT IRRIGATION WORK SUCH AS PERSONNEL, SCHEDULE AND REQUIREMENTS FOR STARTING WORK. PRIOR TO THE MEETING, THE CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH SITE CONDITIONS AND THE PLANS, DETAILS AND SPECIFICATIONS.

C. IRRIGATION MAINLINE AND EQUIPMENT LAYOUT: THIS OBSERVATION SHALL BE PERFORMED BY THE OWNER (JOB SUPERINTENDENT) FOLLOWING STAKING OF ALL PRESSURE MAINLINE AND CONTROL EQUIPMENT, VERIFICATION OF ALL SITE CONDITIONS AND PRIOR TO ANY TRENCHING. ANY DISCREPANCIES NOT PREVIOUSLY NOTED SHALL BE CORRECTED AT THIS TIME TO THE SATISFACTION OF THE OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

D. IRRIGATION MAINLINE AND PRESSURE TEST: THIS OBSERVATION IS FOR THE PURPOSE OF REVIEWING ALL MAINLINE LAYOUT FOR CONFORMANCE TO SPECIFICATIONS AND VERIFYING THE WATER TIGHTNESS OF PRESSURE SYSTEMS PRIOR TO BACKFILLING TRENCHES. PRESSURE TESTS MUST CONFORM TO MANUFACTURER'S SPECIFICATIONS. ALL PRESSURE LINES SHALL BE TESTED UNDER A SUSTAINED HYDROSTATIC PRESSURE OF 150 POUNDS PER SQUARE INCH FOR A PERIOD OF NOT LESS THAN TWO (2) HOURS. THIS TEST SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER (JOB SUPERINTENDENT) TO MANUFACTURER'S ACCEPTED TESTING PROCEDURES AND APPROVED IN WRITING BY THE OWNER (JOB SUPERINTENDENT), PRIOR TO BACKFILLING ANY TRENCHES. CONTRACTOR SHALL FURNISH NECESSARY FORCE PUMP AND ALL OTHER NECESSARY TESTING EQUIPMENT.

E. PROGRESS INSPECTIONS: PERIODIC INSPECTIONS SHALL BE PERFORMED BY OWNER (JOB SUPERINTENDENT) DURING THE LAYOUT OF ALL LATERAL LINE SYSTEMS, WITH TRENCHES OPEN TO VERIFY CONFORMANCE TO DETAILS, DEPTH OF PIPE AND EQUIPMENT ASSEMBLIES.

F. IRRIGATION COMPLETION/COVERAGE TEST: THIS OBSERVATION IS TO INSURE CONFORMANCE OF ALL IRRIGATION EQUIPMENT WITH IRRIGATION CONTRACT DOCUMENTS AND WILL CONSIST OF OPERATION OF EACH SYSTEM TO INSURE INTENDED COVERAGE. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND BUILDINGS, ETC. PRIOR TO THIS OBSERVATION. THIS MAY INCLUDE CHANGES IN NOZZLE SIZES AND DEGREE OF ARC TO OPTIMIZE OPERATION.

G. IRRIGATION AUDIT - AN IRRIGATION THIRD PARTY AUDIT SHALL BE PERFORMED IF REQUIRED BY THE APPROVING AGENCY. ALL AUDIT MATERIALS WILL BE PROVIDED BY OTHERS. THE CONTRACTOR SHALL ATTEND THE AUDIT AND PROVIDE SUPPORT TO THE AUDITOR. THE IRRIGATION CONTRACTOR SHALL INCLUDE IN HIS CONTRACT MATERIALS AND LABOR TO COMPLY WITH THE AUDITORS REQUIREMENTS TO PASS THE AUDIT REQUIREMENTS.

IV. SCOPE OF LANDSCAPE CONSTRUCTION:

A. BASE SHEETS:

1. BASE SHEETS WERE DERIVED FROM PLANS:
PREPARED BY: PACE ENGINEERING
TITLED: DESIGN DEVELOPMENT
DATED: 01/07/2026 REVISED:
COPIES AVAILABLE FROM OWNER UPON REQUEST.

B. WATER INFORMATION:

1. WATER INFORMATION WAS DERIVED FROM:
MR/MS: RYAN TURNER
OF: PACE ENGINEERING
PHONE: (530) 244-0202 DATE:

C. GENERAL IRRIGATION NOTES:

1. SPECIFIED EQUIPMENT: ALL EQUIPMENT SHALL BE AS LISTED IN THE LEGEND AND INSTALLED AS PER DETAILS AND SPECIFICATIONS, OR MANUFACTURER'S RECOMMENDATION. ANY SUBSTITUTIONS SHALL BE APPROVED IN WRITING BY OWNER (JOB SUPERINTENDENT) AND LANDSCAPE ARCHITECT PRIOR TO ORDERING OR INSTALLATION.
2. ALTERNATE ITEMS: APPROVAL OF ANY ITEM OR ALTERNATE ITEM INDICATES ONLY THAT IT APPARENTLY MEETS THE REQUIREMENTS OF THE DRAWINGS ON THE BASIS OF THE INFORMATION SUBMITTED, AND DOES NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY FOR THE EQUIPMENT'S SUCCESSFUL OPERATION.
3. MANUFACTURER'S WARRANTY: MANUFACTURER'S WARRANTIES SHALL NOT RELIEVE THE CONTRACTOR OF THIS LIABILITY UNDER THE GUARANTEE. SUCH WARRANTIES WILL ONLY SUPPLEMENT THE GUARANTEE.
4. SOLVENT WELD MAINLINE PIPE: PRESSURE MAINLINE PIPE SIZED 1-1/2" AND SMALLER SHALL BE IPS PRESSURE RATED PVC 1120 SCHEDULE 40 RATED PIPE. PRESSURE MAINLINE PIPE SIZED TWO INCHES (2") AND LARGER SHALL BE IPS PRESSURE RATED PVC 1120 SDR 13.5 315 PSI RATED PIPE PVC (CLASS 315) CONFORMING TO MATERIALS ASTM D1784 AND PRODUCT DESIGN ASTM D2214 FOR SDR 315 AND ASTM 1784 FOR SCHEDULE 40 PIPE, BURIED A MINIMUM OF TWENTY-FOUR INCHES (24") DEEP WITH SOLVENT WELD JOINTS MADE FROM NSF APPROVED, TYPE 1, GRADE 1 (PVC COMPOUND CONFORMING TO ASTM RESIN SPECIFICATION D1784).
5. LATERAL LINE PIPE: NON-PRESSURE BURIED LATERAL LINE PIPE SHALL BE PRESSURE RATED PVC 1120 SCHEDULE 40 200 PSI RATED PIPE CONFORMING TO MATERIALS ASTM D1784 AND PRODUCT DESIGN ASTM D2214 FOR SCHEDULE 40 PIPE 200 PSI RATED PIPE CONFORMING TO MATERIALS ASTM D1784 AND PRODUCTS DESIGN ASTM D2214 FOR SCHEDULE 40 PIPE 200, BURIED A MINIMUM OF 12" DEEP WITH SOLVENT WELD JOINTS MADE FROM NSF APPROVED, TYPE 1, GRADE II PVC COMPOUND CONFORMING TO ASTM RESIN SPECIFICATION D1784.
6. GASKET SEAL MAINLINE PIPE: PRESSURE MAINLINE PIPE SIZED FOUR INCHES (4") AND LARGER SHALL BE IPS PRESSURE RATED PVC 1120 SDR 21 200 PSI RATED PIPE, CONFORMING TO MATERIALS ASTM D1784, PRODUCT DESIGN ASTM D2214, GASKET JOINT ASTM D8139, GASKET ASTM F477, CELL CLASS ASTM 1245A, BURIED A MINIMUM OF TWENTY FOUR INCHES (24") BELOW FINISH GRADE WITH THRUST BLOCKS PER MANUFACTURER'S INSTRUCTIONS.
7. SOLVENT CEMENT: SOLVENT PRIMER SHALL CONFORM TO ASTM D-2564. SOLVENT CEMENT SHALL CONFORM TO ASTM D2564.
8. SOLVENT FITTINGS: SOLVENT FITTINGS SHALL BE SCHEDULE 40 PRODUCED FROM PVC TYPE 1 CELL CLASSIFICATION B2454-B.
9. THREADED FITTINGS: THREADED FITTINGS SHALL BE SCHEDULE 40 AND THREADED NIPPLES SHALL BE SCHEDULE 80, PRODUCED FROM PVC TYPE 1 CELL CLASSIFICATION 12454-B. USE PERMATEX #51/TEFLON TAPE OR APPROVED PIPE JOINT COMPOUND PER FITTINGS MANUFACTURER'S RECOMMENDATIONS.
10. STEEL PIPE: GALVANIZED STEEL PIPE SHALL BE ASA SCHEDULE 40 MILLED STEEL SCREWED PIPE WITH MEDIUM GALVANIZED SCREWED BEADED MALLEABLE IRON FITTINGS.
11. STEEL PIPE BELOW GRADE: ALL GALVANIZED PIPE AND FITTINGS INSTALLED BELOW GRADE SHALL BE COATED WITH TWO (2) COATS OF KOPPERS #50 BITUMASTIC.
12. BRASS PIPE AND FITTINGS: BRASS PIPE SHALL BE 85% RED BRASS, AMERICAN NATIONAL STANDARD INSTITUTE (ANSI), SCHEDULE 40 SCREWED PIPE. FITTINGS SHALL BE MEDIUM BRASS, SCREWED, 125 POUND CLASS.
13. COPPER PIPE AND FITTINGS: COPPER PIPE SHALL BE TYPE K, (HARD) ASTM B88 SOLDER FITTINGS IN ACCORDANCE WITH ANSI B16.22. OLDER JOINTS SHALL BE 45% SILVER, 15% COPPER, 16% ZINC, 24% CADMIUM AND SOLIDUS AS 1125oF AND LIQUIDS AT 1145oF., CONFORMING TO ASTM B206 AND FS QQ-B-655C.
14. METAL PIPE JOINTS: ALL CONNECTIONS TO BE SEALED WITH PIPE JOINT COMPOUND FOR METAL JOINTS.
15. CONTROL WIRE: CONNECTIONS BETWEEN THE AUTOMATIC CONTROLLERS AND THE ELECTRIC CONTROL VALVES SHALL BE MADE WITH DIRECT BURIAL COPPER WIRE AWG-UF, 600 VOLT UL APPROVED. MINIMUM SIZE IS #14 AWG, BURIED TWENTY FOUR (24") INCHES BELOW GRADE. USE DIFFERENT COLOR CONTROL WIRE FOR EACH CONTROLLER. COMMON WIRES SHALL BE WHITE OR A DIFFERENT COLOR FROM THE CONTROL WIRES FOR EACH OF AUTOMATIC CONTROLLER ON THE SITE,
16. SPARE CONTROL WIRE FOR CONVENTIONAL CONTROLLER: PROVIDE FOUR (4) UNUSED #14 AWG WIRES FROM EACH CONTROLLER TO THE LAST VALVE ON EACH SYSTEM. WHEN THE SYSTEM SPLITS INTO DIFFERENT DIRECTIONS WITHIN 100 FEET OF THE CONTROLLER PROVIDE FOUR (4) SPARE #14 AWG WIRES FROM THE CONTROLLER FOLLOWING EACH DIRECTION OF THE IRRIGATION MAINLINE. PROVIDE A THIRD (3RD) COLOR WIRE OR MARK THE WIRES "SPARE" IN THE CONTROLLER CABINET.
17. WIRE TRENCH: WIRING SHALL OCCUPY THE SAME TRENCH AND SHALL BE INSTALLED ALONG THE SAME ROUTE AS PRESSURE SUPPLY OR LATERAL LINES WHEREVER POSSIBLE. THE WIRES SHALL BE TAPED TOGETHER AT INTERVALS NOT EXCEEDING TEN (10) FEET.
18. EXPANSION CURL: A TWELVE INCH (12") EXPANSION CURL SHOULD BE PROVIDED WITHIN THREE (3) FEET OF EACH WIRE CONNECTION AND AT LEAST EVERY ONE HUNDRED (100) FEET OF WIRE LENGTH. AT STREET CROSSINGS AND GATE VALVE LOCATIONS THE CONTRACTOR SHALL BRING ALL THE WIRES TO GRADE AND PROVIDE A 12" EXPANSION CURL COVERED BY A RECTANGULAR VALVE BOX MARKED `IRRIGATION WIRE'.
19. WIRE SPLICES: ALL SPLICES SHALL BE MADE WITH SCOTCH-LOK #3577 CONNECTOR SEALING PACKS, PEN- TITE WIRE CONNECTOR, OR APPROVED EQUAL. USE ONE SPLICE PER CONNECTOR. ALL SPLICES SHALL BE MADE AT VALVES OR CONTROLLER. NO OTHER SPLICES WILL BE ALLOWED UNLESS APPROVED BY THE OWNER (JOB SUPERINTENDENT). ALL SPLICES NOT AT VALVES, SHALL BE MADE IN A RECTANGULAR VALVE BOX MARKED `IRRIGATION WIRE'.
20. TRENCHES: DIG TRENCHES STRAIGHT AND SUPPORT PIPE CONTINUOUSLY ON BOTTOM OF TRENCH. LAY PIPE TO AN EVEN GRADE.
21. BACKFILL: THE TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL REQUIRED TESTS ARE PERFORMED. TRENCHES SHALL BE CAREFULLY BACKFILLED WITH APPROVED MATERIALS, FREE FROM CLODS OF EARTH OR STONES TWO INCHES (2") OR LARGER. BACKFILL SHALL BE MECHANICALLY COMPACTED TO A DRY DENSITY EQUAL TO ADJACENT UNDISTURBED SOIL AND SHALL CONFORM TO ADJACENT SURFACE GRADES WITHOUT IRREGULARITIES.
22. LINES UNDER PAVING: ALL IRRIGATION LINES, VALVES AND WIRING RUNS SHOWN ON PLANS IN THE STREET, PAVED AREAS AND UNDER HARDSCAPING ARE DIAGRAMMATIC. INSTALL THESE LINES, VALVES AND WIRING RUNS IN PLANTING AREAS EXCEPT WHERE IT IS OBVIOUS THAT THEY MUST CROSS THAT PAVED AREA TO GET FROM ONE PLANTING AREA TO ANOTHER OR UNLESS NOTED OTHERWISE.
23. STREETS: WHERE ANY CUTTING OR BREAKING OF CONCRETE OR OTHER PAVING SURFACE IS NECESSARY, IT SHALL BE DONE AND REPLACED TO MATCH THE EXISTING WORK TO THE OWNER'S (JOB SUPERINTENDENT'S) SATISFACTION, BY THE CONTRACTOR.
24. SLEEVES: SLEEVES SHALL BE INSTALLED UNDER ALL STREETS AND PAVEMENT PER THE IRRIGATION PLAN. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVES WITH THE OWNER (JOB SUPERINTENDENT) PRIOR TO THE PAVING BEING INSTALLED.
25. SLEEVE/PIPE COVER: ALL WIRE, PRESSURE AND NON-PRESSURE PIPE INSTALLED UNDER ASPHALTIC CONCRETE PAVING SHALL BE INSTALLED IN CLASS 315 PVC SLEEVES BURIED A MINIMUM OF TWENTY-FOUR INCHES (24") BELOW THE ROAD BED OR AS REQUIRED BY THE GOVERNING AGENCY AND BACKFILLED PER GEOTECHNICAL REPORT SPECIFICATIONS.
26. PIPE CLEARANCE: ALL LINES SHALL HAVE A MINIMUM CLEARANCE OF SIX INCHES (6") FROM EACH OTHER. PARALLEL LINES SHALL NOT BE INSTALLED DIRECTLY OVER ONE ANOTHER.
27. CONTROL VALVES: INSTALL EACH CONTROL VALVE IN A SEPARATE LOCKING VALVE BOX WITH A MINIMUM OF TWENTY FOUR INCHES (24") BETWEEN VALVE BOXES, AND A MINIMUM OF EIGHTEEN INCHES (18") BETWEEN VALVE BOXES AND ANY WALK OR STRUCTURE.
28. HEAD INSTALLATION: IRRIGATION HEADS SHALL BE INSTALLED ONLY AFTER THE SYSTEM HAS BEEN FLUSHED TO THE COMPLETE SATISFACTION OF THE OWNER (JOB SUPERINTENDENT).
29. HEAD SPACING: SPACING OF HEADS SHALL NOT EXCEED THE MAXIMUM INDICATED ON THE DRAWINGS. IN NO CASE SHALL THE SPACING EXCEED THE MAXIMUM RECOMMENDED BY THE MANUFACTURER.
30. INSTALLATION ANGLE OF IRRIGATION HEAD: ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISHED GRADES UNLESS OTHERWISE DESIGNATED ON THE PLANS.
31. PIPE ON GRADE: ALL PIPE ON GRADE SHALL BE SECURED TO SLOPE SURFACES AT 10' O.C. AND TO FLAT AREAS AT 20' O.C. MAXIMUM WITH #4 X 24" REBAR WITH 'J' HOOKED RADIUS AT ONE END TO HOLD PIPE SECURELY IN PLACE.
32. IRRIGATION SYSTEM REQUIREMENTS PRIOR TO PLANTING: THE ENTIRE SPRINKLER IRRIGATION SYSTEM SHALL BE UNDER FULL AUTOMATIC OPERATION PRIOR TO THE START OF ANY PLANTING WORK AND AN IRRIGATION COVERAGE TEST SHALL ALSO BE PERFORMED BY THE LANDSCAPE ARCHITECT PRIOR TO THE START OF ANY PLANTING.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE WORKSHEET

Reference Evapotranspiration (Eto) 46.30 — Yurok Youth Center — Non-Residential

Hydrozone # / Planting descriptions	Plant Factor (PF)	Irrigation Method	Irrigation Efficency (IE)	ETAF (PF/IE)	Landscape Area (Sq.Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)
Regular Landscape Area							
SHRUB - LOW	0.3	DRIP	0.81	0.37	9,125	3,380	97,022
SHRUB - MED	0.5	DRIP	0.81	0.62	3,900	2,407	69,112
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
			1	0.00		-	-
Regular Landscape Area Totals:					13,025	5,787	
Special Landscape Area							
			1		0	-	-
			1			-	-
			1			-	-
Special Landscape Area Totals:					0	0	
						ETWU Total:	**166,133**
Maximum Allowed Water Allowance (MAWA)							
Over All Landscape Area Totals:					13,025	**MAWA Total:**	**168,264**

[a] ***Hydrozone #/ Planting Description***
E.g
1.) front lawn
2.) low water use plantings
3.) medium water use planting

[b] ***Irrigation Method***
overhead spray or drip

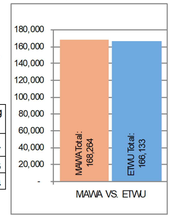
[c] ***Irrigation Efficiency***
0.75 for spray
0.81 for drip

[d] ***MAWA (Annual Gallons Allowed)*** = *(Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]*

w here 0.62 is a conversion factor that acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 or residential areas and 0.45

[e] ***ETWU (Annual Gallons Required)*** = *Eto x 0.62 x ETAF x Area*

w here 0.62 is a conversion factor that acre-inches per acre per year to gallons per square foot per year.



ETAF Calculations

Regular Landscape Area		All Landscape Area (Including special landscape area)	
Total ETAF x Area	5,787	Total ETAF x Area	5,787
Total Area	13,025	Total Area	13,025
Average ETAF	**0.44**	**Sitewide ETAF**	**0.44**

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

PRESSURE LOSS CALCULATIONS

		H.G.L :	332 ft		
Project Name :	Yurok Youth Center	**POC # :**	1		
Job # :	25510	**Elevation :**	300 ft	**Static :**	100 psi
Date :	03/25/26	**GPM :**	30		

Valve #	#-MULTIPLE/STACKED
G.P.M	30

Equipment	Size	PSI Loss
Service	2 in.	1.0
Water Meter	1 1/2 in.	1.2
Backflow	1 in.	10.0
Basket Strainer		
Master Valve	1 1/2 in.	2.9
Flow Sensor	1 in.	0.5
R.C.V	1"	2.6
Lateral Line	VARIES	4.0
Elev. of Highest Head	320 ft	8.7
Operating Pressure		30.0
Mainline (PVC - 2")	200 ft	4.0
Mainline (PVC - 3")	0 ft	0.0
Mainline (PVC - 4")	0 ft	0.0
Mainline (PVC - 6")	0 ft	0.0
Mainline (Galv. - 3")	0 ft	0.0
Miscellaneous	10%	6.5
Total Loss		71.3
% of Static		71%
Deficit		N/A
Pump		N/A

NOTE: PRESSURE LOSS CALCULATIONS HAVE BEEN DERIVED FROM LIMITED INFORMATION AND MAY NOT BE ACCURATE ACCORDING TO ON-SITE CONDITIONS. CONTRACTOR TO VERIFY AVAILABLE PRESSURE ON-SITE PRIOR TO ANY INSTALLATION.

trilogy
2055 PINE STREET, REDDING, CA 96001
T: 530.243.3000 www.trilogytech.com

LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOSN
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
14988 SAND CANYON AVE, STUDIO 8
IRVINE, CA 92618
949.502.4500
EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L2.01

IRRIGATION LEGEND & NOTES

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SLEEVE SIZING LEGEND

PIPE SIZE	SLEEVE SIZE
3/4"	2" SCH. 40
1"	
1 1/4"	3" SCH. 40
1 1/2"	
2"	4" SCH. 40
2 1/2"	6" SCH. 40
3"	
4"	
WIRE	2" SCH. 40 4" SCH. 40

PIPE SIZING LEGEND

SCH 40 - PVC

3/4"	7 GPM
1"	10 GPM
1 1/4"	20 GPM
1 1/2"	30 GPM
2"	50 GPM

CLASS 315 - PVC

2 1/2"	65 GPM
3"	100 GPM
4"	180 GPM

PIPE SIZING NOTES:

1. ALL PIPE SIZING CALLOUTS ARE IN INCHES, REFERENCE THE PIPE SIZING LEGEND.
2. PIPE SIZING CALLOUTS ARE SHOWN ONLY AT THE ENDS OF RUNS. ALL PIPE SIZED BETWEEN THESE CALLOUTS ARE SIZED THE SAME.
3. ALL LATERAL LINE PIPE DOWNSTREAM OF A 3/4" SIZED PIPE IS ALSO 3/4".
4. ALL UNSIZED RUNS OF LATERAL LINE PIPE SERVING THREE OR FEWER SPRAY HEADS SHALL BE SIZED 3/4"

SLEEVING NOTES / KEY

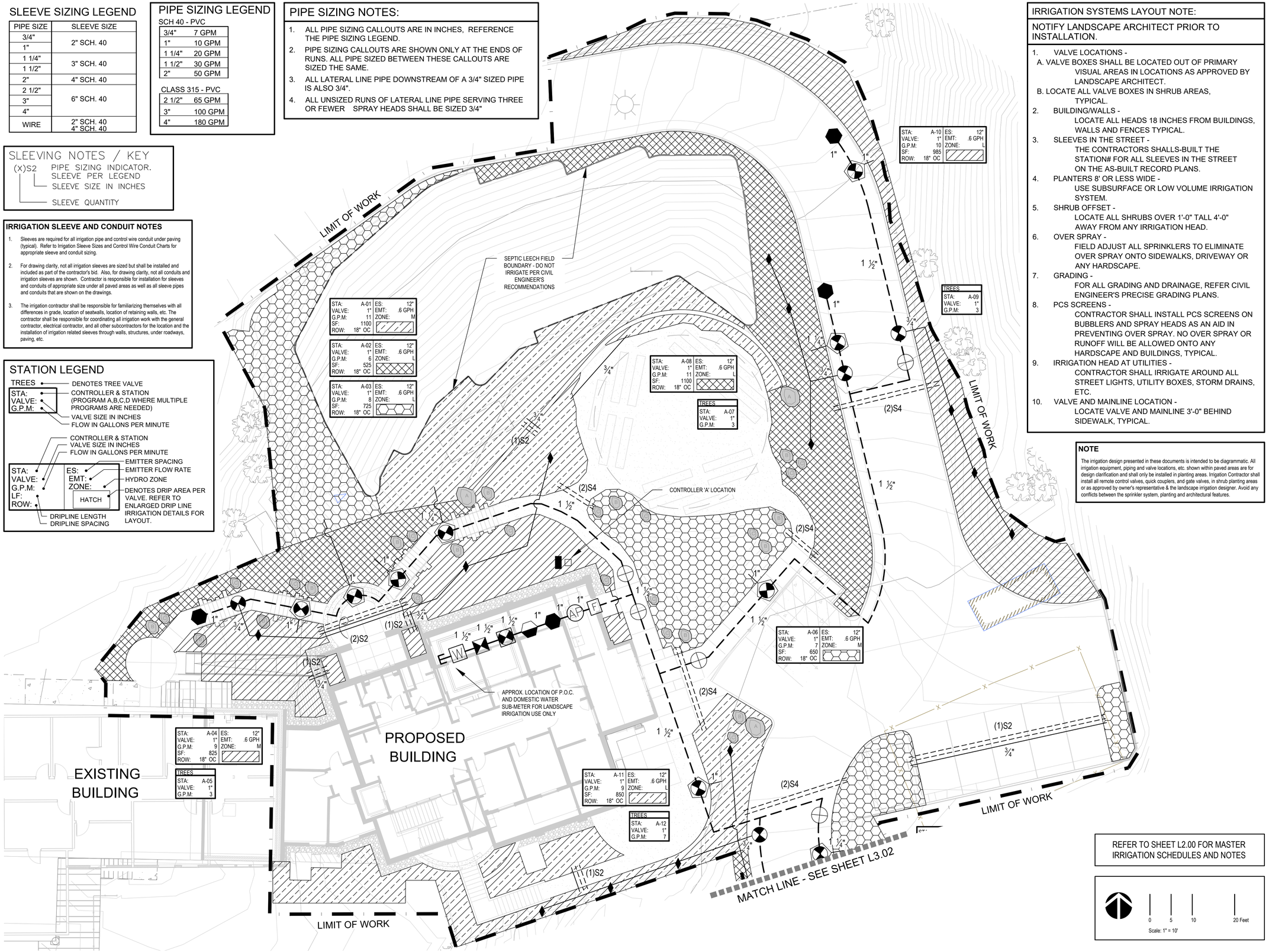
(x)S2
- PIPE SIZING INDICATOR. SLEEVE PER LEGEND
- SLEEVE SIZE IN INCHES
- SLEEVE QUANTITY

IRRIGATION SLEEVE AND CONDUIT NOTES

1. Sleeves are required for all irrigation pipe and control wire conduit under paving (typical). Refer to Irrigation Sleeve Sizes and Control Wire Conduit Charts for appropriate sleeve and conduit sizing.
2. For drawing clarity, not all irrigation sleeves are sized but shall be installed and included as part of the contractor's bid. Also, for drawing clarity, not all conduits and irrigation sleeves are shown. Contractor is responsible for installation for sleeves and conduits of appropriate size under all paved areas as well as all sleeve pipes and conduits that are shown on the drawings.
3. The irrigation contractor shall be responsible for familiarizing themselves with all differences in grade, location of seatwalls, location of retaining walls, etc. The contractor shall be responsible for coordinating all irrigation work with the general contractor, electrical contractor, and all other subcontractors for the location and the installation of irrigation related sleeves through walls, structures, under roadways, paving, etc.

STATION LEGEND

- TREES — DENOTES TREE VALVE
- STA: / VALVE: / G.P.M: — CONTROLLER & STATION (PROGRAM A,B,C,D WHERE MULTIPLE PROGRAMS ARE NEEDED); VALVE SIZE IN INCHES; FLOW IN GALLONS PER MINUTE
- STA: / VALVE: / G.P.M: / LF: / ROW: — CONTROLLER & STATION; VALVE SIZE IN INCHES; FLOW IN GALLONS PER MINUTE; DRIPLINE LENGTH; DRIPLINE SPACING
- ES: — EMITTER SPACING
- EMT: — EMITTER FLOW RATE
- ZONE: — HYDRO ZONE
- HATCH — DENOTES DRIP AREA PER VALVE. REFER TO ENLARGED DRIP LINE IRRIGATION DETAILS FOR LAYOUT.



IRRIGATION SYSTEMS LAYOUT NOTE:

NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

1. VALVE LOCATIONS -
   A. VALVE BOXES SHALL BE LOCATED OUT OF PRIMARY VISUAL AREAS IN LOCATIONS AS APPROVED BY LANDSCAPE ARCHITECT.
   B. LOCATE ALL VALVE BOXES IN SHRUB AREAS, TYPICAL.
2. BUILDING/WALLS - LOCATE ALL HEADS 18 INCHES FROM BUILDINGS, WALLS AND FENCES TYPICAL.
3. SLEEVES IN THE STREET - THE CONTRACTORS SHALLS-BUILT THE STATION# FOR ALL SLEEVES IN THE STREET ON THE AS-BUILT RECORD PLANS.
4. PLANTERS 8' OR LESS WIDE - USE SUBSURFACE OR LOW VOLUME IRRIGATION SYSTEM.
5. SHRUB OFFSET - LOCATE ALL SHRUBS OVER 1'-0" TALL 4'-0" AWAY FROM ANY IRRIGATION HEAD.
6. OVER SPRAY - FIELD ADJUST ALL SPRINKLERS TO ELIMINATE OVER SPRAY ONTO SIDEWALKS, DRIVEWAY OR ANY HARDSCAPE.
7. GRADING - FOR ALL GRADING AND DRAINAGE, REFER CIVIL ENGINEER'S PRECISE GRADING PLANS.
8. PCS SCREENS - CONTRACTOR SHALL INSTALL PCS SCREENS ON BUBBLERS AND SPRAY HEADS AS AN AID IN PREVENTING OVER SPRAY. NO OVER SPRAY OR RUNOFF WILL BE ALLOWED ONTO ANY HARDSCAPE AND BUILDINGS, TYPICAL.
9. IRRIGATION HEAD AT UTILITIES - CONTRACTOR SHALL IRRIGATE AROUND ALL STREET LIGHTS, UTILITY BOXES, STORM DRAINS, ETC.
10. VALVE AND MAINLINE LOCATION - LOCATE VALVE AND MAINLINE 3'-0" BEHIND SIDEWALK, TYPICAL.

NOTE

The irrigation design presented in these documents is intended to be diagrammatic. All irrigation equipment, piping and valve locations, etc. shown within paved areas are for design clarification and shall only be installed in planting areas. Irrigation Contractor shall install all remote control valves, quick couplers, and gate valves, in shrub planting areas or as approved by owner's representative & the landscape irrigation designer. Avoid any conflicts between the sprinkler system, planting and architectural features.

REFER TO SHEET L2.00 FOR MASTER IRRIGATION SCHEDULES AND NOTES

0 5 10 20 Feet

Scale: 1" = 10'

trilogy
2055 PINE STREET, REDDING, CA 96001
t: 530.243.3000 www.trilogytech.com

LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
14988 SAND CANYON AVE, STUDIO 8
IRVINE, CA 92618
949.502.4500
EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L2.01

IRRIGATION PLAN

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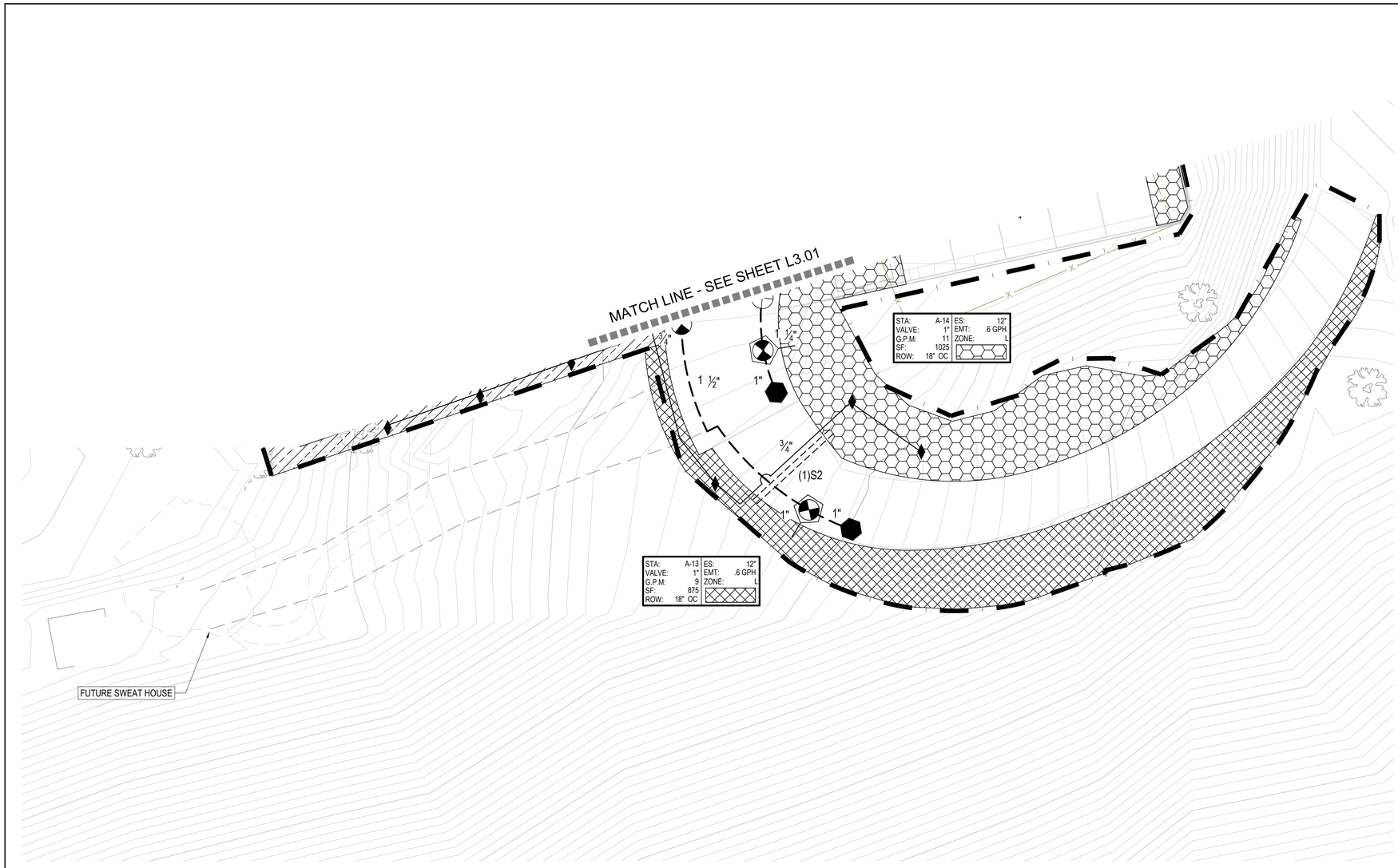


IRRIGATION SYSTEMS LAYOUT NOTE:

NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

1. VALVE LOCATIONS -
   A. VALVE BOXES SHALL BE LOCATED OUT OF PRIMARY VISUAL AREAS IN LOCATIONS AS APPROVED BY LANDSCAPE ARCHITECT.
   B. LOCATE ALL VALVE BOXES IN SHRUB AREAS, TYPICAL.
2. BUILDING/WALLS - LOCATE ALL HEADS 18 INCHES FROM BUILDINGS, WALLS AND FENCES TYPICAL.
3. SLEEVES IN THE STREET - THE CONTRACTORS SHALLS-BUILT THE STATION# FOR ALL SLEEVES IN THE STREET ON THE AS-BUILT RECORD PLANS.
4. PLANTERS 8' OR LESS WIDE - USE SUBSURFACE OR LOW VOLUME IRRIGATION SYSTEM.
5. SHRUB OFFSET - LOCATE ALL SHRUBS OVER 1'-0" TALL 4'-0" AWAY FROM ANY IRRIGATION HEAD.
6. OVER SPRAY - FIELD ADJUST ALL SPRINKLERS TO ELIMINATE OVER SPRAY ONTO SIDEWALKS, DRIVEWAY OR ANY HARDSCAPE.
7. GRADING - FOR ALL GRADING AND DRAINAGE, REFER CIVIL ENGINEER'S PRECISE GRADING PLANS.
8. PCS SCREENS - CONTRACTOR SHALL INSTALL PCS SCREENS ON BUBBLERS AND SPRAY HEADS AS AN AID IN PREVENTING OVER SPRAY. NO OVER SPRAY OR RUNOFF WILL BE ALLOWED ONTO ANY HARDSCAPE AND BUILDINGS, TYPICAL.
9. IRRIGATION HEAD AT UTILITIES - CONTRACTOR SHALL IRRIGATE AROUND ALL STREET LIGHTS, UTILITY BOXES, STORM DRAINS, ETC.
10. VALVE AND MAINLINE LOCATION - LOCATE VALVE AND MAINLINE 3'-0" BEHIND SIDEWALK, TYPICAL.

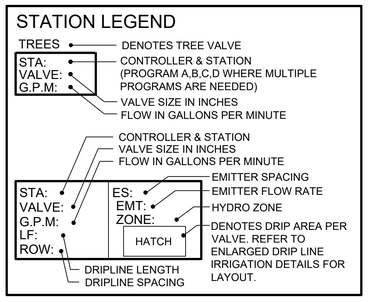
NOTE

The irrigation design presented in these documents is intended to be diagrammatic. All irrigation equipment, piping and valve locations, etc. shown within paved areas are for design clarification and shall only be installed in planting areas. Irrigation Contractor shall install all remote control valves, quick couplers, and gate valves, in shrub planting areas or as approved by owner's representative & the landscape irrigation designer. Avoid any conflicts between the sprinkler system, planting and architectural features.

IRRIGATION SLEEVE AND CONDUIT NOTES

1. Sleeves are required for all irrigation pipe and control wire conduit under paving (typical). Refer to Irrigation Sleeve Sizes and Control Wire Conduit Charts for appropriate sleeve and conduit sizing.
2. For drawing clarity, not all irrigation sleeves are sized but shall be installed and included as part of the contractor's bid. Also, for drawing clarity, not all conduits and irrigation sleeves are shown. Contractor is responsible for installation for sleeves and conduits of appropriate size under all paved areas as well as all sleeve pipes and conduits that are shown on the drawings.
3. The irrigation contractor shall be responsible for familiarizing themselves with all differences in grade, location of seatwalls, location of retaining walls, etc. The contractor shall be responsible for coordinating all irrigation work with the general contractor, electrical contractor, and all other subcontractors for the location and the installation of irrigation related sleeves through walls, structures, under roadways, paving, etc.

STATION LEGEND



SLEEVE SIZING LEGEND

PIPE SIZE	SLEEVE SIZE
3/4"	2" SCH. 40
1"	
1 1/4"	3" SCH. 40
1 1/2"	
2"	4" SCH. 40
2 1/2"	6" SCH. 40
3"	
4"	
WIRE	2" SCH. 40 4" SCH. 40

PIPE SIZING LEGEND

SCH 40 - PVC

3/4"	7 GPM
1"	10 GPM
1 1/4"	20 GPM
1 1/2"	30 GPM
2"	50 GPM

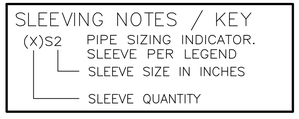
CLASS 315 - PVC

2 1/2"	65 GPM
3"	100 GPM
4"	180 GPM

PIPE SIZING NOTES:

1. ALL PIPE SIZING CALLOUTS ARE IN INCHES, REFERENCE THE PIPE SIZING LEGEND.
2. PIPE SIZING CALLOUTS ARE SHOWN ONLY AT THE ENDS OF RUNS. ALL PIPE SIZED BETWEEN THESE CALLOUTS ARE SIZED THE SAME.
3. ALL LATERAL LINE PIPE DOWNSTREAM OF A 3/4" SIZED PIPE IS ALSO 3/4".
4. ALL UNSIZED RUNS OF LATERAL LINE PIPE SERVING THREE OR FEWER SPRAY HEADS SHALL BE SIZED 3/4"

SLEEVING NOTES / KEY



EQUIPMENT LOCATION NOTE

1. All irrigation equipment, piping and valve locations, etc. shown within paved areas are for design clarification and shall only be installed in planting areas. Irrigation mainline and valves to be installed back of hardscape min of 3'-0" (typical).
2. Locations of automatic controller, basket strainer assembly, and flow sensor are approximate. Owner's representative shall determine final and precise positioning of above grade installation of irrigation equipment. Contractor to stake out all above grade irrigation equipment locations for review by owner's representative. Owner approval to be obtained prior to installation. Contractor shall provide minor adjustments of above grade irrigation equipment locations at no additional cost to the owner. If owner approval is not received prior to beginning installation, the irrigation contractor shall assume full responsibility for all revisions to the equipment locations as deemed necessary by owner's representative and all costs associated with those revisions.
3. Locations of remote control valves and gate valves are approximate. Owner's representative shall determine final and precise positioning of above grade installation of remote control valves and gate valves. Contractor to stake out all remote control valve and gate valve locations for review by owner's representative. Owner approval to be obtained prior to installation. See irrigation details for additional installation information. Contractor shall provide minor adjustments of remote control valve and gate valve locations at no additional cost to the owner. If owner approval is not received prior to beginning installation, the irrigation contractor shall assume full responsibility for all revisions to the remote control valve and gate valve locations as deemed necessary by owner's representative and all costs associated with those revisions.

REFER TO SHEET L2.00 FOR MASTER IRRIGATION SCHEDULES AND NOTES

0 1 2 4 8 Feet

Scale: 1/4" = 1-0"

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IRRIGATION PLAN

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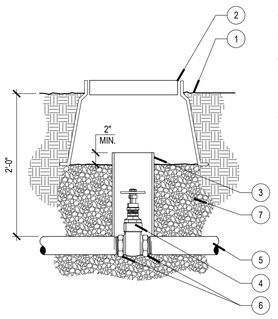
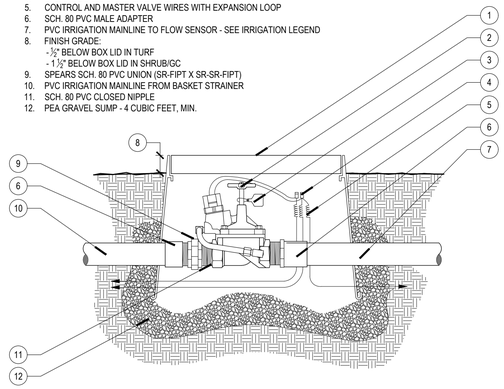


1. FINISH GRADE
   - 1" IN TURF
   - 2" IN GROUND COVER
2. ROUND, PLASTIC VALVE BOX WITH LOCKING COVER SHALL BE BRANDED "GV" - REFER TO IRRIGATION LEGEND
3. 6" Ø PVC PIPE EXTENSION - LENGTH AS REQUIRED
4. GATE VALVE - REFER TO IRRIGATION LEGEND FOR SPECS.
5. PVC MAINLINE - REFER TO IRRIGATION LEGEND
6. PVC MALE ADAPTER - TWO (2) REQUIRED
7. PEA GRAVEL - TWO (2) CUBIC FEET AT BASE OF VALVE

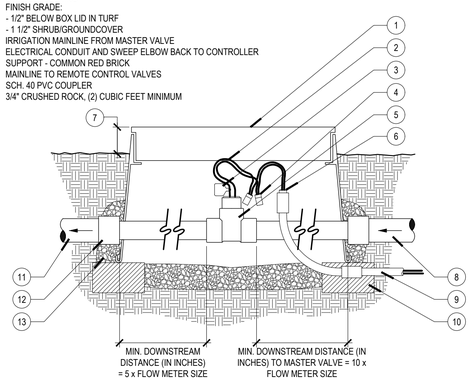
NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE

J **Gate Valve**
Scale: 1" = 1'-0"



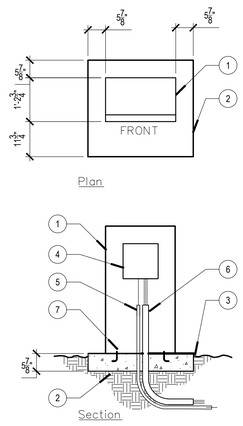
1. PLASTIC VALVE BOX
2. MASTER VALVE
3. CHRISTY'S TAG #ID-MAX-P2-RC1P2
4. SPEARS DS-500 DRI-SPLICE WIRE CONNECTORS
5. CONTROL AND MASTER VALVE WIRES WITH EXPANSION LOOP
6. SCH. 80 PVC MALE ADAPTER
7. PVC IRRIGATION MAINLINE TO FLOW SENSOR - SEE IRRIGATION LEGEND
8. FINISH GRADE:
   - ½" BELOW BOX LID IN TURF
   - 1 ½" BELOW BOX LID IN SHRUB/GC
9. SPEARS SCH. 80 PVC UNION (SR-FIPT X SR-SR-FIPT)
10. PVC IRRIGATION MAINLINE FROM BASKET STRAINER
11. SCH. 80 PVC CLOSED NIPPLE
12. PEA GRAVEL SUMP - 4 CUBIC FEET, MIN.

G **Master Valve**
Scale: 3"=1'-0"



1. RECTANGULAR VALVE BOX WITH BOLT DOWN COVER
2. REFER TO CONSTRUCTION NOTES FOR TYPE OF CABLE FROM FLOW SENSOR TO CONTROLLER
3. WATER ID TAG
4. WATERPROOF CONNECTOR - REFER TO IRRIGATION SPECIFICATIONS
5. FLOW SENSOR
6. CONDUIT BUSHING
7. FINISH GRADE:
   - 1/2" BELOW BOX LID IN TURF
   - 1 1/2" SHRUB/GROUNDCOVER
8. IRRIGATION MAINLINE FROM MASTER VALVE
9. ELECTRICAL CONDUIT AND SWEEP ELBOW BACK TO CONTROLLER
10. SUPPORT - COMMON RED BRICK
11. MAINLINE TO REMOTE CONTROL VALVES
12. SCH. 40 PVC COUPLER
13. 3/4" CRUSHED ROCK, (2) CUBIC FEET MINIMUM

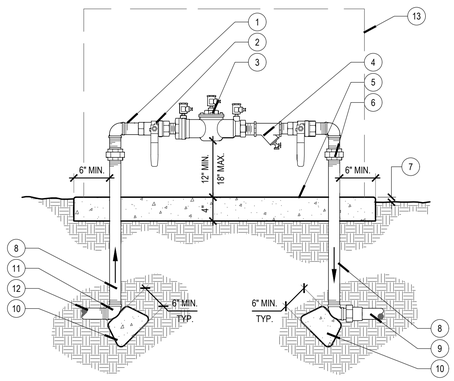
D **Flow Sensor**
Scale: 3"=1'-0"



1. CONTROLLER ENCLOSURE. (SEE SPECIFICATIONS).
2. 6" CONCRETE PAD.. SLOPE AWAY FROM CONTROLLER @ 2%.
3. FINISH GRADE. 2" IN GROUNDCOVER AREAS.
4. IRRIGATION CONTROLLER, PER LEGEND. INSTALL PER MANUFACT. INSTRUCTIONS.
5. SCH 80 CONDUIT, SIZE AS REQ.
6. SCH 40 CONDUIT FOR IRRIGATION CONTROL WIRES. SIZE AS REQ.. PROVIDE PVC SWEEP ELL, BELOW GRADE.
7. ANCHOR TO CONCRETE PER MANUFACTURERS SPECIFICATIONS.

NOTES:
A. INSTALL ALL WIRING PER LOCAL CODE.
B. ALL CONDUIT TO BE SCH. 80 PVC OR RIGID GALVANIZED STEEL.

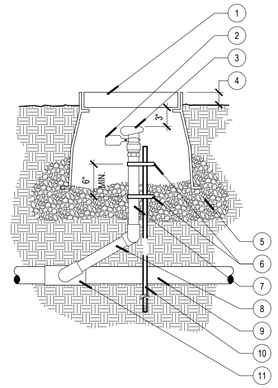
A Pedestal Mount Controller
Scale: 1/2"=1'-0"



1. BRASS NIPPLE, 4" LENGTH, MIN. (TYP.)
2. BALL VALVE, TYPICAL FOR (2) TWO
3. REDUCED PRESSURE TYPE BACKFLOW PREVENTER
4. BRASS WYE STRAINER WITH 40 MESH MONEL SCREEN AND HOSE BIB
5. NATURAL GRAY CONCRETE BASE WITH HAND TROWELED FINISH AND ¼" TOOLED RADIUS EDGES
6. BRASS UNION (2)
7. FINISH GRADE:
   - ½" BELOW F.S. IN TURF
   - 1 ½" BELOW F.S. IN SHRUB/GC
8. BRASS RISER
9. PIPE OUT TO IRRIGATION SYSTEM - ADAPT AS REQUIRED
10. CONCRETE THRUST BLOCK
11. BRASS 90 DEGREE ELL, TYPICAL FOR (4)
12. PIPE IN FROM POINT OF CONNECTION - ADAPT AS REQUIRED
13. SECURE ENCLOSURE

NOTE:
INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT - VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION

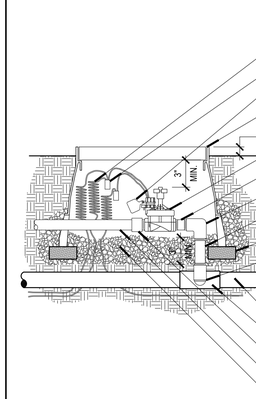
K **Reduced Pressure Backflow Preventer**
Scale: 3/4"=1'-0"



1. 10" DIA., PLASTIC VALVE BOX WITH LOCKING COVER, HEAT BRANDED WITH THE LETTERS "QCV" - SEE IRRIGATION SPECS.
2. IDENTIFICATION TAG
3. QUICK COUPLER VALVE - REFER TO IRRIGATION LEGEND
4. FINISH GRADE:
   -½" BELOW BOX LID IN TURF AREAS
   -1½" BELOW BOX LID IN SHRUB/GC AREAS
5. ONE (1) CU. FT. (MIN.) OF PEA GRAVEL AT BASE OF VALVE BOX
6. V.I.T. STAINLESS STEEL TIES
7. SCH. 80 PVC NIPPLE - LENGTH AS REQUIRED
8. 1" DIA. SCH. 80 PVC SWING JOINT - PREASSEMBLED BY SPEARS - REFER TO IRRIGATION SPECIFICATIONS
9. PVC MAINLINE
10. ½" DIA. x 24" LENGTH GALVANIZED PIPE STAKE SCH. 80 PVC TEE FITTING

NOTES:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE
B. 12" MIN. CLEAR SPACE SHALL BE MAINTAINED BETWEEN THE QUICK COUPLER VALVE BOX AND ANY ADJACENT HARDSCAPE - WHERE OCCURS

E **Quick Coupler Valve in Box**
Scale: 3/4"=1'-0"

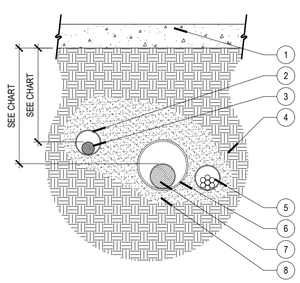


1. 30" LENGTH OF COILED WIRE
2. WATER PROOF CONNECTOR - REFER TO IRRIGATION SPECIFICATIONS
3. IDENTIFICATION TAG
4. RECTANGULAR, PLASTIC VALVE BOX WITH LOCKING COVER - LID SHALL BE HEAT BRANDED WITH LETTERS "RCV" & STATION NUMBER - REFER TO IRRIGATION SPECIFICATIONS
5. FINISH GRADE:
   - ½" FROM TOP OF BOX LID IN TURF
   - 1 ½" FROM TOP OF BOX LID IN SHRUB/GC
6. REMOTE CONTROL VALVE - REFER TO IRRIGATION LEGEND
7. SCH. 80 PVC NIPPLE (CLOSE)
8. SCH. 40 PVC ELL
9. SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. SCH. 80 PVC NIPPLE (2" LENGTH, HIDDEN) AND SCH. 40 PVC ELL
12. PVC MAINLINE PIPE
13. SCH. 40 PVC TEE OR ELL
14. SCH. 40 PVC MALE ADAPTER
15. PVC LATERAL PIPE
16. (3) CUBIC FEET, MIN. OF ¾" MINUS, WASHED GRAVEL

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE

B **Remote Control Valve Box (PVT)**
Scale: 1 1/2"-1'-0"

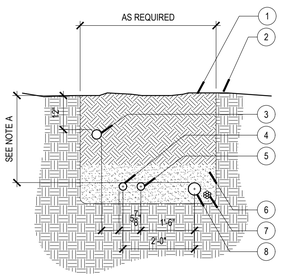
LINE TYPE	LOCATION	DEPTH
PRESSURIZED MAINLINE	IN LANDSCAPE	24"
	UNDER VEH. PAVING	36"
LATERAL LINES	IN LANDSCAPE	18"
	UNDER VEH. PAVING	30"



1. VEHICULAR or PEDESTRIAN PAVING - REFER TO CONSTRUCTION LAYOUT PLANS FOR SPECIFIC CONDITION
2. LATERAL LINE SLEEVING SHALL BE SCH. 40 PVC - SLEEVE DIA. SHALL BE 2 x LATERAL DIA.
3. LATERAL LINE - REFER TO SPECIFICATIONS
4. BACKFILL - 90% RELATIVE COMPACTION, MINIMUM - REFER TO GEOTECHNICAL REPORT
5. CONTROL WIRE BUNDLE SLEEVING SHALL BE SCH. 40 PVC PIPE
6. MAINLINE SLEEVING SHALL BE SCH. 40 PVC PIPE - SLEEVE DIA. SHALL BE 2 x MAINLINE DIA.
7. MAINLINE - REFER TO SPECIFICATIONS
8. SAND BACKFILL - 2" BASE & 6" OF COVER, MIN.

NOTES:
A. ALL IRRIGATION WIRES, LATERALS AND MAINLINE SHALL BE PLACED IN SLEEVES
B. IRRIGATION CONTRACTOR SHALL COORDINATE ALL SLEEVING LOCATIONS & SIZES WITH HARDSCAPE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION
C. ALL SLEEVES SHALL EXTEND A MINIMUM OF 12" BEYOND THE EDGE OF THE HARDSCAPE SURFACE

L **Irrigation Sleeving**
Scale: 1" = 1'-0"

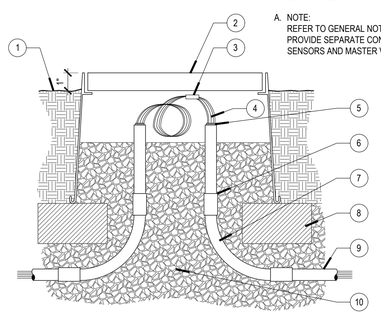


1. REFER TO IRRIGATION SPECS FOR BACKFILL AND COMPACTION
2. REQUIREMENTS
3. FINISH GRADE
4. NON-PRESSURIZED LATERAL LINE PIPING
5. COMMUNICATION CABLE CONDUIT
6. (WHERE REQUIRED) FLOW SENSOR CABLE AND CONDUIT
7. APPROVED TOP SOIL OR SAND BACKFILL - PROVIDE 3" UNDER PIPE AND 6" ABOVE PIPE
8. CONTROL WIRES BUNDLED AND TAPED AT 10'-0" INTERVALS - INSTALL ADJACENT TO MAINLINE

A. PRESSURIZED MAINLINE PIPING

NOTES:
MINIMUM BACKFILL DEPTHS FROM FINISH GRADE TO TOP OF MAINLINE
B. SHALL BE AS FOLLOWS:
- 24" IN PLANTING AREAS
C. - 36" UNDER PAVED AREAS
ALL PLASTIC PIPING SHALL BE SNAKED IN TRENCHES
TIE A LOOSE 20" LOOP IN WIRING AT ANY CHANGE IN DIRECTION GREATER THAN 30° - UNTIE ANY LOOPS AFTER ALL CONNECTIONS HAVE BEEN MADE

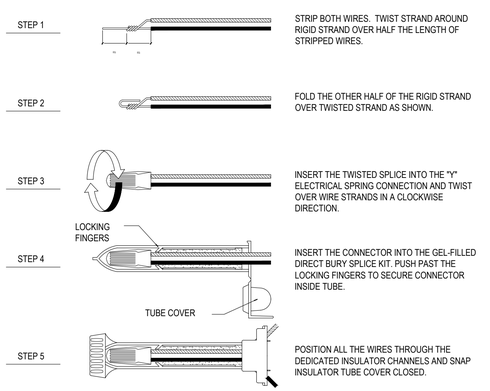
I **Trenching Detail (PVT)**
Scale: 1/2"=1'-0"



1. FINISH GRADE
2. GREEN PLASTIC, RECTANGULAR VALVE BOX WITH BOLT DOWN COVER, HEAT BRANDED "PB"
3. PERMANENT I.D. BAND (ONE FOR EACH WIRE)
4. CONTROL WIRE, REFER TO SPECIFICATIONS
5. CONDUIT BUSHING - TYPICAL
6. U.L. LISTED SCH. 40 PVC COUPLING
7. U.L. LISTED SCH. 40 PVC 90° SWEEP ELL.
8. SUPPORT - COMMON RED BRICK
9. U.L. LISTED SCH. 40 PVC CONDUIT
10. PEA GRAVEL

A. NOTE:
REFER TO GENERAL NOTES FOR CONDUIT SIZE. PROVIDE SEPARATE CONDUIT FOR FLOW SENSORS AND MASTER VALVES

F **Pull Box**
Scale: 3"=1'-0"



C **3M DBY-6 - DBR-6" Wire Connector**
N.T.S.

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2055 PINE STREET, REDDING, CA 96001
t: 530.243.3000 www.trilogytech.com

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L2.51

IRRIGATION DETAILS

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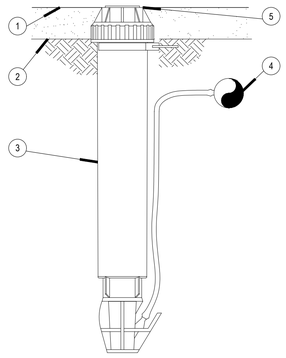
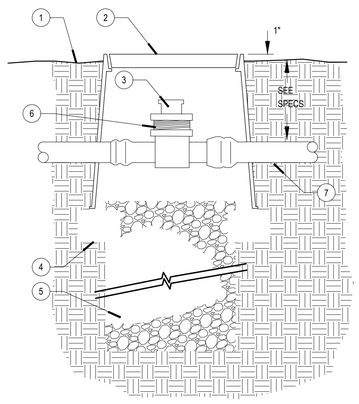


1. MULCH
2. FINISH GRADE
3. OPERATION INDICATOR RAINBIRD MODEL: OPERIND
4. SUB-SURFACE DRIPLINE: REFER TO IRRIGATION SCHEDULE
5. PURPLE CAP FOR NON-POTABLE WATER, WHEN APPLICABLE

NOTES:
A. USE XERIMAN TOOL XM-TOOL TO INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING/
B. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO ¼" PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

J Dripline Operation Indicator (PVT)
NTS

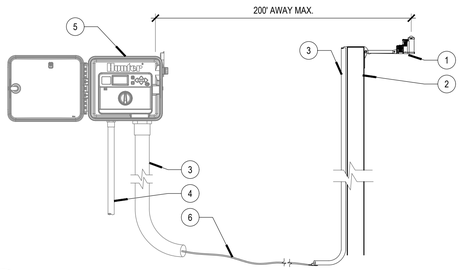


1. FINISH GRADE
2. RAIN BIRD SUBTERRANEAN EMITTER BOX MODEL #SEB-6X -HEAT BRAND "AV" ON VALVE BOX COVER IN 2" HIGH LETTERS
3. AIR/VACUUM RELIEF VALVE
4. BRICK SUPPORTS (2 REQ.)
5. ¾" GRAVEL SUMP (1 CUBIC FT.)
6. ¾" M X ½" F REDUCTION BUSHING
7. NETAFIM SERIES DRIPLINE

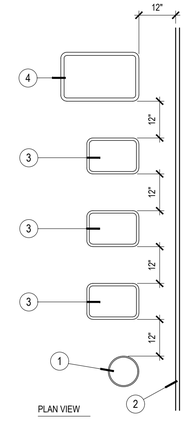
G Air / Vaccum Valve (PVT)
Scale: NTS

1. RAIN SENSOR; MOUNT NO FURTHER THAN 200' FROM RECEIVER
2. SUITABLE MOUNTING, BUILDING ELEMENT, ETC.; REFER TO PLAN
3. CONDUIT FOR RAIN SENSOR COMMUNICATION WIRE TO CONTROLLER
4. POWER SOURCE
5. CONTROLLER
6. COMMUNICATION WIRE 18-2 (WIRE TYPE TO MEET LOCAL INSTALLATION CODE REQUIREMENTS), FROM MODULE TO SENSOR MAXIMUM TOTAL WIRE DISTANCE: 200' - 0"

NOTES:
A. MOUNT THE RAIN SENSOR IN A LOCATION EXPOSED TO FULL SUN, OPEN TO RAINFALL AND OUT OF SPRINKLER SPRAY PATTERN.
B. CONFIRM EQUIPMENT LOCATIONS WITH OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT.
C. REFER TO MANUFACTURER'S SPECIFICATIONS FOR PROPER MOUNTING INSTRUCTIONS FOR ALL EQUIPMENT.



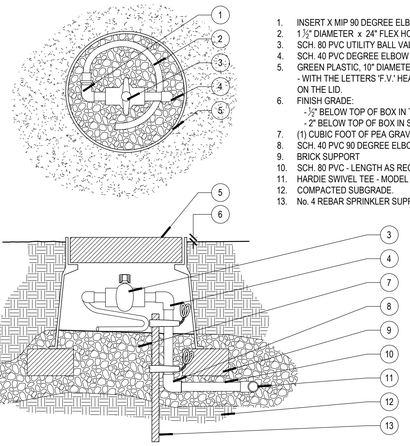
D Rain Sensor System
Scale: 1"=1'-0"



1. 10" DIAMETER CIRCULAR VALVE BOX.
2. EDGE OF LAWN, WALK, FENCE, CURB, ETC.
3. 12" x 18" RECTANGULAR VALVE BOX.
4. 20" x 30" RECTANGULAR VALVE BOX.

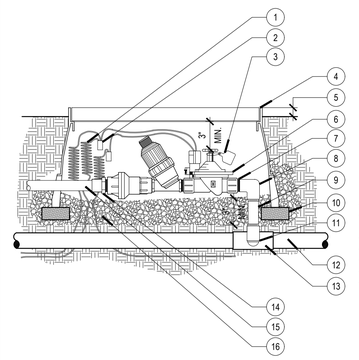
NOTES:
A. CENTER VALVE BOX OVER VALVE TO FACILITATE SERVICING OF VALVE.
B. SET VALVE BOXES 2" MAXIMUM ABOVE GRADE IN MULCH COVER OR GROUNDCOVER/SHRUB AREAS -SET 1" ABOVE FINISH GRADE IN TURF AREAS.
C. SET VALVE BOX AND VALVE ASSEMBLY IN GROUNDCOVER/SHRUB AREA WHERE POSSIBLE - INSTALL IN TURF ONLY IF THERE IS NO ADJACENT GROUNDCOVER.
D. SET VALVE BOXES PARALLEL TO ONE ANOTHER AND PERPENDICULAR TO EDGE.
E. AVOID HEAVY COMPACTION OF SOIL AROUND VALVE BOXES TO PREVENT THEIR DEFORMATION/COLLAPSE.

A Valve Box Layout
N.T.S.



1. INSERT X MIP 90 DEGREE ELBOWS.
2. 1 ½" DIAMETER x 24" FLEX HOSE.
3. SCH. 80 PVC UTILITY BALL VALVE (F X F).
4. SCH. 40 PVC DEGREE ELBOW MIP X FIP.
5. GREEN PLASTIC, 10" DIAMETER VALVE BOX - WITH THE LETTERS 'F.V.' HEAT BRANDED ON THE LID.
6. FINISH GRADE:
   - ½" BELOW TOP OF BOX IN TURF.
   - 2" BELOW TOP OF BOX IN SHRUB/GC.
7. (1) CUBIC FOOT OF PEA GRAVEL SUMP.
8. SCH. 40 PVC 90 DEGREE ELBOW FIP X FIP.
9. BRICK SUPPORT
10. SCH. 80 PVC - LENGTH AS REQUIRED.
11. HARDIE SWIVEL TEE - MODEL #FTS16.
12. COMPACTED SUBGRADE.
13. No. 4 REBAR SPRINKLER SUPPORT.

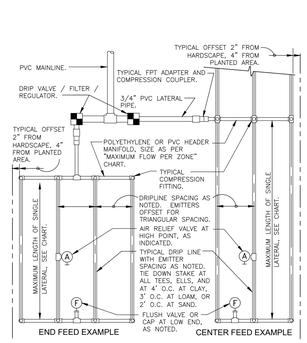
K Flush Valve Assembly (PVT)
Scale: 2"=1'-0"



1. 30" LENGTH OF COILED WIRE
2. WATER PROOF CONNECTOR - REFER TO IRRIGATION SPECIFICATIONS
3. ID TAG - REFER TO IRRIGATION SPECIFICATIONS
4. RECTANGULAR, GREEN PLASTIC VALVE BOX WITH LOCKING COVER - LID SHALL BE HEAT BRANDED WITH LETTERS "RCV" & STATION NUMBER - REFER TO IRRIGATION SPECIFICATIONS
5. FINISH GRADE:
   - ½" FROM TOP OF BOX LID IN TURF
   - 1 ½" FROM TOP OF BOX LID IN SHRUB/GC
6. REMOTE CONTROL VALVE WITH FILTER AND PRV - REFER TO IRRIGATION LEGEND
7. SCH. 80 PVC NIPPLE (CLOSE)
8. SCH. 40 PVC ELL
9. SCH. 80 PVC NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. SCH. 80 PVC NIPPLE (2" LENGTH, HIDDEN) AND SCH. 40 PVC ELL
12. PVC MAINLINE PIPE
13. SCH. 40 PVC TEE OR ELL
14. SCH. 40 PVC MALE ADAPTER
15. PVC LATERAL PIPE
16. (3) CUBIC FEET, MIN. OF ¾" MINUS, WASHED GRAVEL

NOTE:
A. ALL THREADS SHALL BE WRAPPED WITH TEFLON TAPE

H Remote Control Drip Valve and Filter (PVT)
Scale: 1 1/2"-1'-0"



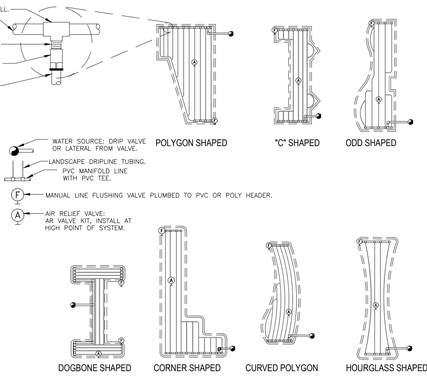
MAXIMUM LATERAL LENGTH (FEET)			
	EMITTER FLOW RATE GPH		
PSI	12" SPACING 0.6 0.9	18" SPACING 0.6 0.9	24" SPACING 0.6 0.9
10	125 96	175 135	218 171
20	249 191	350 171	442 340
30	307 236	434 333	550 422
40	350 268	495 380	627 171
50	125 96	175 135	218 171
60	125 96	175 135	218 171

GRID PRECIPITATION RATES (IN/HR)			
		EMITTER FLOW RATE	
EMITTER SPACING	LATERAL SPACING	0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE	
MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE	
1/2"	4.7 GPM 7.7 PSI
3/4"	8.3 GPM 5.6 PSI
1"	13.5 GPM 4.2 PSI
1-1/2"	33.9 GPM 2.9 PSI
2"	52.4 GPM 1.9 PSI
POLY PIPE HEADER SIZE	
1/2"	4.7 GPM 8.8 PSI
3/4"	8.3 GPM 6.3 PSI
1"	13.5 GPM 4.8 PSI
1-1/2"	31.8 GPM 2.9 PSI
2"	52.4 GPM 2.2 PSI

SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP ⅓ OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.



E Typical Rain Bird Dripline Layout
Scale: 2" = 1'-0"

X-X

trilogy
2055 PINE STREET, REDDING, CA 96001
t: 530.243.3000 www.trilogylnch.com

LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
14988 SAND CANYON AVE, STUDIO 8
IRVINE, CA 92618
949.502.4500
EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L2.52

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PLANTING NOTES

1. PLANTING PLANS ARE DIAGRAMMATIC. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS, PLANT TYPES, SIZES, AND PLANT LOCATIONS AS SHOWN PRIOR TO INSTALLATION. ADVISE LANDSCAPE ARCHITECT WHERE CONFLICTS MAY BE PRESENT FOR RESOLUTION SO THE DESIGN'S INTENT IS NOT COMPROMISED. TREE PLANTING SHALL BE PER THE DIMENSIONED SETBACKS FROM UTILITIES AS INDICATED ON PLANS. IF THESE SETBACKS CONFLICT WITH REQUIREMENTS OF UTILITY COMPANIES, CONTACT THE LANDSCAPE ARCHITECT PRIOR TO PLANTING TREES.
2. PROTECTION OF EXISTING PLANTS, WHERE APPLICABLE, SHALL COMPLY WITH REQUIREMENTS UNDER SPECIFICATION SECTION 025639 - TEMPORARY TREE AND PLANT PROTECTION.
3. VERIFY AND STAKE LOCATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATION. CONTACT UNDERGROUND SERVICE ALERT 800.642.2444. PROTECT UTILITIES IN PLACE DURING CONTRACT DURATION. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED BY CONTRACTOR AT THEIR OWN EXPENSE.
4. DO NOT PRUNE OR TOP TREES PRIOR TO DELIVERY UNLESS DIRECTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. DO NOT PRUNE THE CENTRAL LEADER OF ANY TREE. TREES THAT SHOW EVIDENCE OF HAVING BEEN RECENTLY PRUNED PRIOR TO DELIVERY SHALL BE SUBJECT TO REJECTION.
5. THE APPLICATION OF SOIL AMENDMENTS AND/OR FERTILIZERS SHALL BE DETERMINED BY THE RESULTS OF AN AGRICULTURAL SUITABILITY ANALYSIS PREPARED BY A LICENSED SOILS LABORATORY FOR ON-SITE ROUGH-GRADED SOILS, AND (IF REQUIRED) ANY IMPORTED TOPSOIL. REFER TO THE SPECIFICATIONS FOR THE NUMBER OF REPRESENTATIVE SAMPLES REQUIRED TO BE ANALYZED, AND THE NECESSARY ASSOCIATED TESTING METHODS/RESULTS THAT ARE REQUIRED TO BE FULFILLED. IF SIGNIFICANTLY DIFFERENT SOILS ARE ENCOUNTERED BY THE SUITABILITY ANALYSIS RESULTS, FURTHER SAMPLING MAY BE REQUIRED. A COPY OF THE SUITABILITY ANALYSES, ACCOMPANIED WITH RECOMMENDATIONS AUTHORED BY THE LABORATORY TO BRING THE SUBJECT SOILS INTO OPTIMUM HORTICULTURAL SUITABILITY (USING PRODUCTS/MATERIALS IDENTIFIED IN THE PROJECT SPECIFICATIONS), SHALL BE SUBMITTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT AS SOON AS AVAILABLE. CONTRACTOR SHALL SUBMIT WRITTEN CERTIFICATION, ACCOMPANIED WITH COPIES OF THE DELIVERY TICKETS, THAT ALL REQUIRED SOIL AMENDMENT AND FERTILIZER TYPE(S) HAVE BEEN INCORPORATED AT THE NECESSARY APPLICATION RATES AS RECOMMENDED AND REVIEWED THROUGH THE AGRICULTURAL SUITABILITY ANALYSIS.

   AFTER MASS GRADING IS COMPLETE, CONTRACTOR SHALL SUBMIT SOIL SAMPLES TO A CERTIFIED LABORATORY FOR ANALYSIS AND RECOMMENDATIONS.
   SOIL ANALYSIS SHALL INCLUDE:
   - A. SOIL TEXTURE
   - B. INDICATE INFILTRATION RATE
   - C. INDICATE pH
   - D. TOTAL SOLUBLE SALTS
   - E. SODIUM
   - F. PERCENT ORGANIC MATTER
   - G. RECOMMENDATIONS

   SUBMIT ANALYSIS REPORT TO LANDSCAPE ARCHITECT FOR REVIEW OF PLANTING AND IRRIGATION PLANS.
   IF ANALYSIS REPORT IS PROVIDED BY THE OWNER, CONTRACTOR IS TO CONFORM TO THE REPORT REQUIREMENTS.
6. CONTRACTOR SHALL PROVIDE DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATION TO THE PROJECT APPLICANT TO SUBMIT TO THE LOCAL AGENCY AS PART OF THE CERTIFICATE OF COMPLETION.
7. BASED ON THE RESULTS AND/OR MODIFICATIONS REQUIRED FROM AGRICULTURAL SUITABILITY ANALYSIS, THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE RECOMMENDATIONS FOR REVISIONS TO THE PLANTING SPECIES REQUIRED TO BETTER ACCOMMODATE THE AMENDED SOILS.
8. BID PURPOSES ONLY ASSUME THE FOLLOWING SOIL PREPARATION AND BACKFILL:

   INCORPORATE THE FOLLOWING MATERIALS INTO ALL LAWN AND PLANTER AREAS PER 1,000 S.F. - MECHANICALLY ROTOTILL MATERIALS INTO AREA AT A DEPTH OF 6". HAND TILLING IS NOT ACCEPTABLE. WATER THOROUGHLY AFTER ROTOTILLING IS COMPLETE.

   3 C.Y. NITROLIZED WOOD SHAVINGS
   15 LB. COMMERCIAL FERTILIZER 15-15-15
   50 LB. AGRICULTURE GYPSUM
   10 LBS. IRON SULFATE

   BACKFILL MIX FOR ALL TREES AND SHRUBS:
   2 PARTS NATIVE ON-SITE SOIL
   1 PART NITROLIZED WOOD SHAVINGS
   1.5 LB./C.Y. COMMERCIAL FERTILIZER 15-15-15
   5 LB. /C.Y. AGRICULTURAL GYPSUM
   1 LB./C.Y. IRON SULFATE
   PLANTING TABLETS AT RATES PER MANUF. SPEC.

   ACTUAL SOILS AMENDMENTS AND BACKFILL SHALL COMPLY WITH THE SOILS MANAGEMENT REPORT.
9. EXISTING SITE SOIL MANY BE USED FOR PLANTING AREAS AND BERMS, HOWEVER, IT WILL NEED TO BE AMENDED AS INDICATED IN SPECIFICATIONS. SHOULD IMPORT SOIL BE NECESSARY TO BRING SITE TO SPECIFIED FINISH GRADES, INDICATE SOURCE LOCATION. ENSURE THAT IMPORT SOIL IS OF A SANDY LOAM NATURE, CONTAINING NO TOXIC CHEMICALS OR ELEMENTS THAT MIGHT INHIBIT OR RETARD NORMAL PLANT GROWTH. SUBMIT SOIL TEST RESULTS OF IMPORT SOIL TO THE OWNER FOR APPROVAL PRIOR TO DELIVERING SOIL TO SITE.
10. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY EROSION CONTROL AT ALL TIMES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL, AND ABATE WATER, MUD AND EROSION DAMAGE TO THE SITE AND ADJOINING PROPERTY (PRIVATE AND PUBLIC) AS A RESULT OF CONSTRUCTING THE PROJECT. BY OCTOBER 15TH OF EACH YEAR, OR EARLIER IF CONDITIONS WARRANT, SUCH TEMPORARY EROSION CONTROL FEATURES AS ARE NECESSARY TO PREVENT DAMAGE DURING THE FORTHCOMING WINTER SEASON SHALL BE CONSTRUCTED AND FUNCTIONING, MEETING REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL BOARD.
11. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING A MINIMUM TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY LANDSCAPE IMPROVEMENT WORK AT THE SITE.
12. LOCATION OF PLANT MATERIAL TAKES PRECEDENCE OVER LOCATION OF IRRIGATION SYSTEM COMPONENTS. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS IN FIELD WHERE IRRIGATION SYSTEM COMPONENTS (SUBSURFACE MAINLINES, LOCATION OF VALVE BOXES, ETC.) DO NOT CONFLICT WITH THE LOCATION OR DESIGN INTENT LAYOUT OF THE PLANT MATERIAL. COORDINATION IS ESSENTIAL TO MAKE SURE THE DESIGN INTENT OF THE PLANTING IS NOT COMPROMISED. (EXAMPLES: A CONTINUOUS HEDGE REQUIRES DIVISION INTO PARTIAL SEGMENTS DUE TO ERRANT SETTING OF VALVE BOXES, OR A TREE NEEDS TO BE RELOCATED DUE TO ERRANT LOCATION OF INSTALLED IRRIGATION MAINLINE. THE DESIGN INTENT FOR A CONTINUOUS HEDGE TAKES PRECEDENCE (THE VALVE BOXES SHALL BE LOCATED IN ANOTHER NON-CONFLICTING LOCATION); THE IRRIGATION MAINLINE SHALL BE REROUTED ACCORDINGLY (TO AVOID THE NEED TO RELOCATE THE CONFLICTING TREE). PLANTS SHALL NOT BE PLACED WITHIN TWELVE (12) INCHES OF SPRINKLER HEADS.

    LANDSCAPE ARCHITECT SHALL APPROVE FINAL PLACEMENT OF TREES AND SHRUBS PRIOR TO PLANTING. PERFORM THE FOLLOWING PROCEDURES BEFORE PLANTING PIT EXCAVATION:

    SHRUBS - PLACE ACTUAL PLANT CONTAINERS ON SITE IN PRELIMINARY LOCATIONS.
    TREES - FIELD MARK LOCATIONS WITH WOOD STAKES BEFORE DIGGING HOLES.CONTRACTOR SHALL GIVE AT LEAST THREE (3) BUSINESS DAYS NOTICE FOR PLANT LAYOUT APPROVAL. TREE BRANCHES SHALL NOT ENCROACH WITHIN 5' RADIUS OF TOP OF WALL/FENCE.
13. CHECK DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. DISCREPANCIES OR POSSIBLE DEFICIENCIES BETWEEN THE CONTRACT DRAWINGS AND SPECIFICATIONS WITH FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT.
14. PROVIDE FOR POSITIVE DRAINAGE AT ALL TIMES. NOTIFY LANDSCAPE ARCHITECT IF SITE CONDITIONS ARE OTHERWISE. MAINTAIN FLOWLINES AND DRAINAGE PATTERNS AS INDICATED ON THE ENGINEER'S DRAWINGS. REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO GROWTH OF PLANT MATERIAL.
15. CONTRACT DRAWINGS AND SPECIFICATIONS INDICATE THE FINISH STRUCTURE. CONSTRUCTION MEANS AND METHODS, SAFETY PROCEDURES, BRACING, SHORING, AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OBSERVATION VISITS TO THE JOB SITE MADE BY THE LANDSCAPE ARCHITECT DO NOT INCLUDE INSPECTION OF CONSTRUCTION METHODS AND SAFETY CONDITIONS AT THE WORK SITE. GIVE THE LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS NOTICE FOR REQUIRED OR REQUESTED JOB SITE VISITS.
16. PLANT QUANTITIES, IF INDICATED, ARE FOR THE OWNER'S CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL PLANT QUANTITIES AS INDICATED IN THE PLAN DOCUMENTS.
17. PROVIDE MATERIAL AND QUALITY REQUIREMENTS NECESSARY FOR CONTINUOUS CONTROL, ABATEMENT, AND REMOVAL OF NOXIOUS VEGETATION. ESTABLISH, THROUGH THE COLLECTIVE USE OF SYSTEMIC, PRE- AND POST-EMERGENT HERBICIDES, A WEED-FREE CONDITION THROUGHOUT THE PROJECT AREA. FURNISH ALL NECESSARY MATERIALS, LABOR, SUPERVISION, EQUIPMENT, SIGNAGE, AND CHEMICAL SOLUTIONS FOR CONTROLLING OR ELIMINATING UNDESIRABLE VEGETATION. ALL PRODUCTS AND MATERIALS USED FOR WEED CONTROL SHALL BE EPA REGISTERED AND APPROVED FOR USE BY THE LOCAL JURISDICTION.
18. QUALITY AND SIZE OF PLANTS SHALL BE IN ACCORDANCE WITH RULES AND GRADING ADOPTED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. AND INCLUDED IN THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60). PLANTS SHALL EXHIBIT A NORMAL TO PREMIUM HABIT OF GROWTH FOR THE SPECIFIED SPECIES, AND SHALL BE SOUND, HEALTHY, FULL IN CONTAINER, VIGOROUS IN GROWTH WITH DENSELY FOLIATED BRANCHES, EXCEPTIONAL IN APPEARANCE, FORM, AND STRUCTURE, WITH ROBUST ROOT SYSTEMS, AND FREE FROM INSECTS, PESTS, AND DISEASE. TREE TRUNKS SHALL BE FREE OF SCARS, BLEMISHES, DEFECTS, AND INJURIES.
19. CONTAINER-GROWN PLANTS SHALL HAVE BEEN CULTIVATED IN NURSERY CONTAINERS FOR A MINIMUM OF SIX (6) MONTHS, AND A MAXIMUM OF TWO (2) YEARS. PLANTS SHALL HAVE SUFFICIENTLY- DEVELOPED ROOT SYSTEMS TO HOLD PLANTING SOIL TOGETHER INTACT UPON REMOVAL FROM THEIR CONTAINERS; THEY SHALL NOT EXHIBIT A ROOT-BOUND CONDITION.
20. PLANTS SHALL BE HANDLED BY THEIR CONTAINERS AT ALL TIMES. DO NOT LIFT, SET, OR HANDLE PLANTS BY THEIR TRUNKS, STEMS, OR FOLIAGE MASS. DO NOT USE PLANTS AS A LEVER FOR INSTALLATION. DO NOT DROP CONTAINERS TO DISRUPT ROOT SYSTEMS. ROOTBALLS THAT ARE CRACKED OR DAMAGED SHALL BE REJECTED AND REPLACED.
21. PLANTS SHALL BE DELIVERED TO SITE UNDER PROTECTIVE COVER. PLANTS SHALL ARRIVE UNBLEMISHED, WITH SUFFICIENTLY MOISTENED ROOTBALLS. STORE AND PROTECT FROM DAMAGE THROUGHOUT INSTALLATION PERIOD. MAINTAIN PLANTS IN A FULLY- IRRIGATED CONDITION UNTIL INSTALLATION.
22. PLANTS DELIVERED TO THE SITE SHALL HAVE DURABLE LEGIBLE LABELS, PRINTED OR STATED IN WEATHER-RESISTANT INK, WITH THE CORRECT BOTANICAL NAME OF THE PLANT(S) BEING DELIVERED. LABELS SHALL BE SECURELY ATTACHED TO PLANT FOLIAGE OR CONTAINER. PLANTS THAT HAVE BEEN REVIEWED AND SELECTED IN ADVANCE AT THE NURSERY BY THE LANDSCAPE ARCHITECT SHALL BE DELIVERED TO THE SITE WITH THE ORIGINAL TAGGING MATERIALS USED BY THE LANDSCAPE ARCHITECT ARE HELD SECURELY INTACT AND UNTAINTED.
23. PRIOR TO ANY PLANTING OPERATIONS, CONTRACTOR SHALL RECEIVE APPROVAL OF REQUIRED SUBMITTALS AS INDICATED IN CONTRACT SPECIFICATIONS. SUBMITTALS INCLUDE THE FOLLOWING:

    AGRONOMIC SOIL FERTILITY ANALYSIS AND RECOMMENDATIONS PER SPECIFICATION SECTION 329113;

    SOIL PERCOLATION TESTING PER SPECIFICATION SECTION 329113;

    APPLICABLE SOIL PREPARATION ARTICLES BEING FURNISHED AND INSTALLED FOR AMENDMENTS, FERTILIZERS, AND SOIL MIXTURES UNDER SPECIFICATION SECTION 329113;

    PHOTOS OF PLANT MATERIALS BEING FURNISHED AND INSTALLED UNDER APPLICABLE SPECIFICATION SECTIONS 329200, 329300, AND/OR 329360;

    LANDSCAPE PLANTING ACCESSORIES BEING FURNISHED AND INSTALLED UNDER SPECIFICATION SECTION 329400;

    APPLICABLE PLANT ESTABLISHMENT PERIOD ARTICLES BEING FURNISHED AND INSTALLED UNDER SPECIFICATION SECTION 329813.
24. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED WHEN SOIL IS IN A SATURATED, MUDDY, OR FROZEN CONDITIONS.
25. DO NOT PLANT TREES CLOSER THAN 4-FOOT TO ANY FIXED EDGE, I.E. SIDEWALKS AND WALLS, UNLESS INDICATED OTHERWISE ON DRAWINGS.
26. TRIANGULAR SPACE GROUND COVERS AND SHRUBS, UNLESS INDICATED ON DRAWINGS. MAINTAIN HALF ON-CENTER SPACING WHEN ADJACENT TO PAVED AREAS, WALLS, OR OTHER FIXED EDGES.
27. INSTALL JUTE NETTING ON SLOPES OF 2:1 OR STEEPER, UNLESS OTHERWISE INDICATED.
28. PLANTING HOLE/PIT SHALL BE EXCAVATED TO A MINIMUM OF 2X THE WIDTH OF THE PLANT ROOTBALL BEING INSTALLED. DO NOT EXCAVATE HOLES/PITS DEEPER THAN THE DEPTH OF THE ROOTBALL BEING INSTALLED. SCARIFY THE SIDES OF THE PLANTING HOLE/PIT TO ENCOURAGE OPTIMUM GROWTH INTO THE SUBGRADE.
29. UPON REMOVAL OF THE PLANT'S NURSERY CONTAINER OR ROOT BALL WRAPPINGS, PRUNE OR REMOVE ANY WINDING OR GIRDLING ROOTS. PRUNE/CUT UTILIZING CLEAN, SHARP, AND STERILIZED TOOLS. LIGHTLY SCARIFY ROOT BALL TO ENCOURAGE OUTWARD GROWTH OF ROOT MASS.
30. SET THE TOP (CROWN) OF THE PLANT ROOT BALL SLIGHTLY ABOVE THE LEVEL OF THE SURROUNDING FINISHED GRADIENT, ALLOWING FOR ANY DIFFERENTIAL SETTLEMENT OF THE BACKFILL. INSTALL PLANT MATERIAL WITH ITS BEST SIDE FACING THE PREDOMINATE VIEW OF THE PUBLIC.
31. FULLY IRRIGATE PLANT MATERIALS IMMEDIATELY UPON INSTALLATION SO THAT ROOT MASS AND BACKFILL ARE SATURATED AND SETTLED. MONITOR PLANTS AND APPLY SUPPLEMENTAL WATER, IN QUANTITY AS REQUIRED, TO PROMOTE HEALTHY ESTABLISHMENT, AND UNTIL IRRIGATION SYSTEM IS FULLY OPERATIONAL AND FUNCTIONAL. HAND WATERING OF PLANTS MAY BE REQUIRED TO ENSURE SURVIVAL.
32. FOR BOXED OR BALLED AND BURLAPPED TREES, SET TREES IN THE EXCAVATED PLANTING HOLE/PIT AND ORIENT/SET PLUMB, ACCORDING TO THE DIRECTION OF THE LANDSCAPE ARCHITECT. REMOVE NURSERY CONTAINER STRAPS AND SIDES, OR BURLAP AND WIRE NETTING, ONCE TREE IS ACCEPTED IN PLACE. WHERE TREES ARE TETHERED WITH SUBSURFACE ROOT BALL ANCHORING SYSTEMS, INSTALL COMPONENTS PER MANUFACTURER'S DIRECTIONS. INSTALL SUPPLEMENTAL DRAINAGE ASSEMBLIES AND TREE ROOT AERATION UNITS AS SPECIFIED. INSTALL ROOT CONTROL BARRIERS AS SPECIFIED. BACKFILL, IRRIGATE AS NEEDED, AND LIGHTLY COMPACT ACCORDINGLY IN LIFTS WITH SPECIAL AMENDED PLANTING BACKFILL FOR PALM TREES (REFER TO SPECIFICATIONS). CONTINUE TO WATER AND TAMP TO REMOVE AIR POCKETS AND SETTLE BACKFILL BACKFILL BEING CAREFUL TO AVOID EXCESSIVE COMPACTION WHICH WILL AFFECT SOIL POROSITY ESSENTIAL FOR HEALTHY ROOT GROWTH. ADD SLOW-RELEASE FERTILIZER TABLETS AND SUPPLEMENTAL AMENDMENTS IN QUANTITY AS SPECIFIED PRIOR TO FINAL LIFT OF BACKFILL.
33. FOR PALM TREES, SET PALM IN THE EXCAVATED PLANTING HOLE/PIT AND ORIENT/SET PLUMB, ACCORDING TO THE DIRECTION OF THE LANDSCAPE ARCHITECT. REMOVE NURSERY WRAPPINGS/SHEATHINGS ONCE PALM IS ACCEPTED IN PLACE. WHERE PALMS ARE TETHERED WITH SUBSURFACE ROOT BALL ANCHORING SYSTEMS, INSTALL COMPONENTS PER MANUFACTURER'S DIRECTIONS. INSTALL SUPPLEMENTAL DRAINAGE ASSEMBLIES AND TREE ROOT AERATION UNITS AS SPECIFIED. INSTALL ROOT CONTROL BARRIERS AS SPECIFIED. BACKFILL, IRRIGATE AS NEEDED, AND LIGHTLY COMPACT ACCORDINGLY IN LIFTS WITH SPECIAL AMENDED PLANTING BACKFILL FOR PALM TREES (REFER TO SPECIFICATIONS). CONTINUE TO WATER AND TAMP TO REMOVE AIR POCKETS AND SETTLE BACKFILL, BEING CAREFUL TO AVOID EXCESSIVE COMPACTION WHICH WILL AFFECT SOIL POROSITY ESSENTIAL FOR HEALTHY ROOT GROWTH. ADD SLOW-RELEASE FERTILIZER TABLETS AND SUPPLEMENTAL AMENDMENTS IN QUANTITY AS SPECIFIED PRIOR TO FINAL LIFT OF BACKFILL.
34. INSTALL LINEAR ROOT BARRIERS ("DEEP ROOT" OR APPROVED EQUAL) FOR ALL TREES WITHIN 5'-0" OF CONCRETE CURB, CONCRETE PAVING, PILASTER, OR WALL PER THE DRAWINGS.
35. STAKE AND/OR GUY TREES, AS NECESSARY, IMMEDIATELY AFTER PLANTING, TO ENSURE CONTINUOUS PLUMB GROWTH THROUGH THE SPECIFIED PLANT ESTABLISHMENT PERIOD AND UNTIL FINAL ACCEPTANCE IS GRANTED. FOR TREE STAKING, SECURELY ANCHOR TREE STAKES INTO UNDISTURBED SUBGRADE. REFER TO SPECIFICATIONS FOR TYPE, QUANTITY, AND SIZE OF STAKES AND SUPPLEMENTAL STAKING MATERIALS. FOR TYPE AND INSTALLATION OF TREE GUYING ASSEMBLIES, REFER TO MANUFACTURER'S PRINTED INSTRUCTIONS AS SPECIFIED. REMOVE AND DISCARD ALL NURSERY-FURNISHED STAKING MATERIALS.
36. FOR APPLICABLE VINE AND/OR ESPALIER PLANTING, REMOVE NURSERY-FURNISHED STAKING OR TRELLIS SUPPORT MATERIALS. CAREFULLY TRAIN AND ANCHOR VINES/ESPALIERS TO SPECIFIED SUPPORTING STRUCTURES (FENCE, WALL, ETC.) BY WEAVING STEMS/BRANCHES THROUGH STRUCTURE, AND/OR ANCHOR WITH SPECIFIED WRAPPING MATERIALS IN QUANTITY NECESSARY TO SUFFICIENTLY SUPPORT PLANT IN AN UPRIGHT SPLAYED CONDITION. AVOID DAMAGE TO PLANT.
37. FOLLOWING PLANTING INSTALLATION AND REMEDIAL FINE GRADING, PLANTING AREAS SHALL RECEIVE A LAYER OF MULCH TO HOLD IN SOIL MOISTURE AND DETER WEED GROWTH AND SOIL EROSION. APPLY 3" MIN. 3" LAYER OF BARK MULCH FROM SOUSA READY MIX OR EQUAL. CONTRACTOR SHALL SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL. DO NOT INSTALL MULCH IN AREAS OF GROUNDCOVERS THAT ARE LESS THAN 3" TALL AT MATURITY. MULCH SHALL BE APPLIED BEING CAREFUL NOT TO SET WITHIN AND PROTECT GROWING NODES OF INSTALLED PLANTS.
38. REMEDIAL PRUNING OF PLANTS SHALL BE RESERVED AND LIMITED TO DEAD, DISEASED OR BROKEN LIMBS ONLY, AND SHALL BE IN STRICT ACCORDANCE WITH ANSI A300 SPECIFICATIONS. PRUNE/CUT UTILIZING CLEAN, SHARP, AND STERILIZED TOOLS.
39. LANDSCAPE INSTALLATION PERIOD: CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IN FULL, ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, WEEDING, STAKING, ETC.) UNTIL THE PROJECT IS REVIEWED AT THE END OF THE INSTALLATION PHASE BY THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. CONTRACTOR SHALL REQUEST REVIEW OF PROJECT IN WRITING AT THE END OF THIS INSTALLATION PERIOD. COMPLETION OF THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE'S REVIEW IN FIELD SHALL COMMENCE THE LANDSCAPE ESTABLISHMENT PERIOD. THE ENTIRE PROJECT WILL BE ACCEPTED AT ONE TIME AND WILL NOT BE ACCEPTED BY AREAS OR PHASED PARTS.
40. LANDSCAPE ESTABLISHMENT PERIOD: CONTRACTOR IS RESPONSIBLE TO GUARANTEE AND CONTINUOUSLY MAINTAIN IN FULL ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, WEEDING, STAKING, ETC.) FOR AN ESTABLISHMENT PERIOD FOLLOWING THE REVIEW DATE OF INSTALLATION COMPLETION. DURATION OF THIS LANDSCAPE ESTABLISHMENT PERIOD SHALL BE AS SPECIFIED. CONTRACTOR SHALL REQUEST REVIEW OF PROJECT IN WRITING FOLLOWING COMPLETION OF THE LANDSCAPE ESTABLISHMENT PERIOD. LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE'S SUCCESSFUL REVIEW SHALL ACKNOWLEDGE SUBSTANTIAL COMPLETION AND BEGIN THE LANDSCAPE GUARANTEE PERIOD.
41. GUARANTEE PERIOD: FOLLOWING SUBSTANTIAL COMPLETION, IF ALL WORK IS SATISFACTORY, COMPLETE, AND IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT, THEN THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT SHALL DECLARE FINAL ACCEPTANCE OF THE PROJECT IN WRITING AND THE BEGINNING OF THE ONE (1) YEAR LANDSCAPE GUARANTEE PERIOD.
42. CONTINUOUSLY MAINTAIN INSTALLED PLANTING AREAS IN A DUST, PEST, TRASH, DEBRIS, AND WEED-FREE CONDITION THROUGHOUT THE CONTRACTED PLANT ESTABLISHMENT PERIOD UNTIL FINAL ACCEPTANCE. MAINTAIN IN ACCORDANCE WITH APPLICABLE GOVERNING AGENCY GUIDELINES AND SPECIFICATIONS UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
43. ALL PLANT MATERIAL INSTALLED SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN A VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST NINETY (90) DAYS FOR 1 TO 5-GALLON MATERIAL AND ONE (1) YEAR FOLLOWING FINAL ACCEPTANCE FOR 15-GALLON AND LARGER MATERIAL. SPECIMEN-SIZE TREES AND PALM TREES SHALL BE GUARANTEED FOR TWO (2) YEARS FOLLOWING FINAL ACCEPTANCE. CONTRACTOR SHALL REMOVE AND REPLACE ANY PLANT MATERIAL WHICH ARE DEAD OR DYING (PER THE SOLE OPINION OF THE LANDSCAPE ARCHITECT), EXCEPT THOSE DUE TO VANDALISM OR NEGLECT, WITH PLANT MATERIAL EQUAL TO ORIGINAL. REPLACEMENT PLANT MATERIALS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUBSEQUENT PLANTING SEASON. ALL REPLACEMENT PLANT MATERIALS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
44. PLANT QUANTITIES IN LEGEND ARE FOR REFERENCE ONLY, CONTRACTOR TO PROVIDE AND INSTALL ALL PLANT MATERIAL SHOWN ON PLANS.

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	FORM	QTY	REMARKS
TREES					
	ACER CIRCINATUM VINE MAPLE	24"BOX	MULTI	9	
	ACER MACROPHYLLUM BIG LEAF MAPLE	48"BOX	STANDARD	3	
	MALUS X DOMESTICA 'FUJI' FUJI APPLE	24"BOX	STANDARD	1	
	MALUS X DOMESTICA 'GRANNY SMITH' GRANNY SMITH APPLE	24"BOX	STANDARD	2	
	THUJA PLICATA WESTERN RED CEDAR	48"BOX	STANDARD	2	

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WUCOLS	SPACING	QTY	REMARKS
SHRUBS						
	AMELANCHIER ALNIFOLIA SERVICEBERRY	5 GAL	MED	120" O.C.	12	
	ARTEMISIA DOUGLASIANA MUGWORT	5 GAL	LOW	48" O.C.	71	
	CEANOTHUS THYRSIFLORUS BLUEBLOSSOM	5 GAL	LOW	72" O.C.	34	
	CHLOROGALUM POMERIDIANUM SOAP PLANT	1 GAL	LOW	24" O.C.	178	
	CORYLUS CORNUTA BEAKED HAZELNUT	5 GAL	MED	96" O.C.	6	
	FESTUCA CALIFORNICA CALIFORNIA FESCUE	1 GAL	LOW	24" O.C.	999	
	GAULTHERIA SHALLON SALAL	5 GAL	MED	84" O.C.	18	
	JUNCUS PATENS CALIFORNIA GRAY RUSH	1 GAL	LOW	24" O.C.	381	
	PHILADELPHUS LEWISII WILD MOCK ORANGE	5 GAL	MED	72" O.C.	9	
	POLYSTICHUM MUNITUM WESTERN SWORD FERN	1 GAL	MED	36" O.C.	47	
	RIBES SANGUINEUM RED FLOWERING CURRANT	5 GAL	LOW	60" O.C.	33	
	VACCINIUM OVATUM EVERGREEN HUCKLEBERRY	5 GAL	MED	48" O.C.	48	
GROUND COVERS						
	ACHILLEA MILLEFOLIUM COMMON YARROW	1 GAL	LOW	18" O.C.	1,475 SF	
	AQUILEGIA FORMOSA WESTERN COLUMBINE	1 GAL	LOW	12" O.C.	300 SF	
	ARCTOSTAPHYLOS X 'EMERALD CARPET' EMERALD CARPET MANZANITA	1 GAL	LOW	24" O.C.	1,673 SF	
	IRIS DOUGLASIANA DOUGLAS IRIS	1 GAL	LOW	24" O.C.	2,115 SF	

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LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
14988 SAND CANYON AVE, STUDIO 8
IRVINE, CA 92618
949.502.4500
EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L3.00

PLANTING LEGEND & NOTES

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PLANT SCHEDULE		
SYMBOL	BOTANICAL / COMMON NAME	SIZE
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	THUJA PLICATA WESTERN RED CEDAR	48"BOX

PLANT SCHEDULE		
SYMBOL	BOTANICAL / COMMON NAME	SIZE
SHRUBS		
	AMELANCHIER ALNIFOLIA SERVICEBERRY	5 GAL
	ARTEMISIA DOUGLASIANA MUGWORT	5 GAL
	CEANOTHUS THYRSIFLORUS BLUEBLOSSOM	5 GAL
	CHLOROGALUM POMERIDIANUM SOAP PLANT	1 GAL
	CORYLUS CORNUTA BEAKED HAZELNUT	5 GAL
	FESTUCA CALIFORNICA CALIFORNIA FESCUE	1 GAL
	GAULTHERIA SHALLON SALAL	5 GAL
	JUNCUS PATENS CALIFORNIA GRAY RUSH	1 GAL
	PHILADELPHUS LEWISII WILD MOCK ORANGE	5 GAL
	POLYSTICHUM MUNITUM WESTERN SWORD FERN	1 GAL
	RIBES SANGUINEUM RED FLOWERING CURRANT	5 GAL
	VACCINIUM OVATUM EVERGREEN HUCKLEBERRY	5 GAL
GROUND COVERS		
	ACHILLEA MILLEFOLIUM COMMON YARROW	1 GAL
	AQUILEGIA FORMOSA WESTERN COLUMBINE	1 GAL
	ARCTOSTAPHYLOS X 'EMERALD CARPET' EMERALD CARPET MANZANITA	1 GAL
	IRIS DOUGLASIANA DOUGLAS IRIS	1 GAL

REFER TO SHEET L3.00 FOR MASTER PLANTING SCHEDULES AND NOTES

0 5 10 20 Feet

Scale: 1" = 10'

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LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOON
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
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PLANTING PLAN

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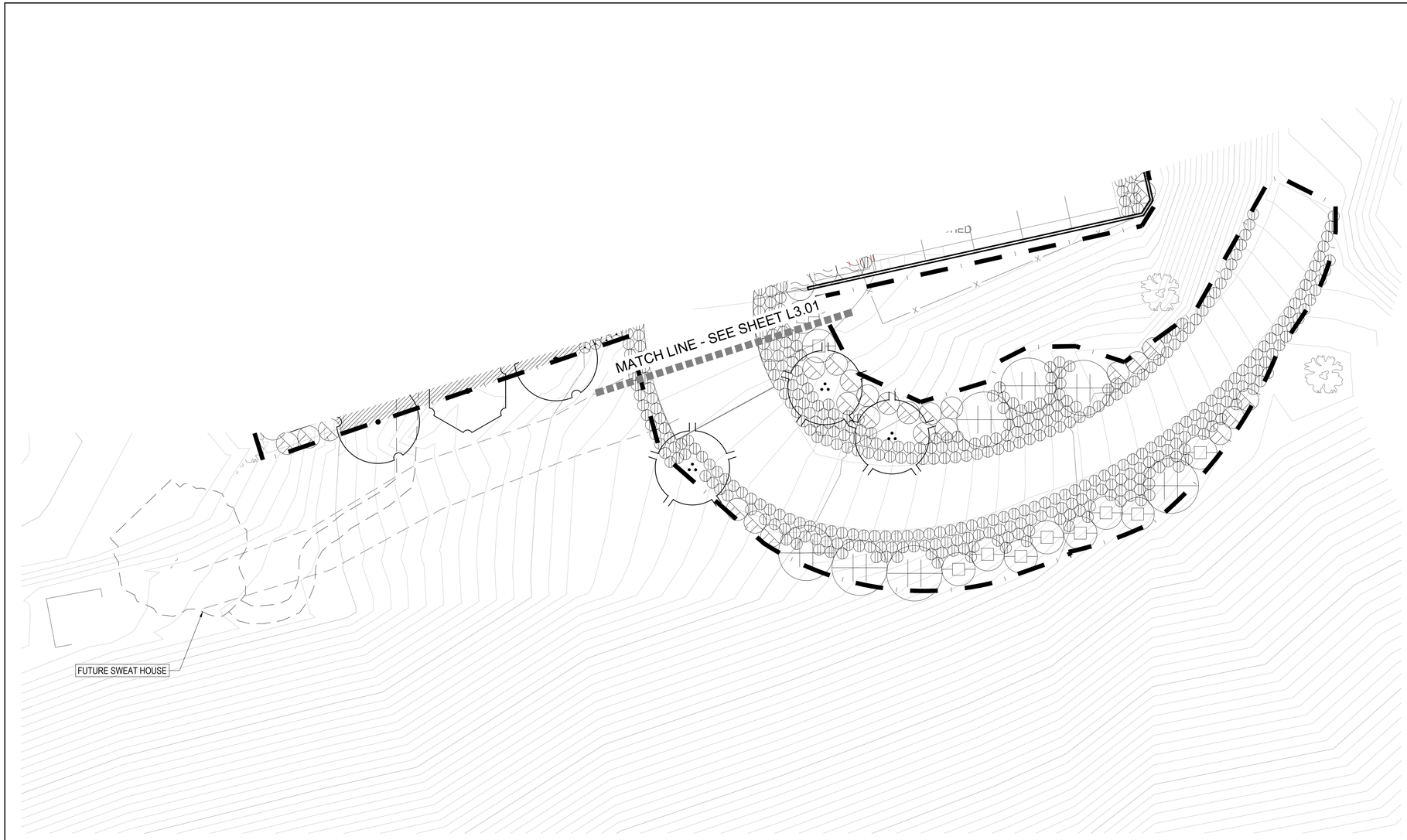

PLANT SCHEDULE		
SYMBOL	BOTANICAL / COMMON NAME	SIZE
TREES		
	ACER CIRCINATUM VINE MAPLE	24"BOX
	ACER MACROPHYLLUM BIG LEAF MAPLE	48"BOX
	MALUS X DOMESTICA 'FUJI' FUJI APPLE	24"BOX
	MALUS X DOMESTICA 'GRANNY SMITH' GRANNY SMITH APPLE	24"BOX
	THUJA PLICATA WESTERN RED CEDAR	48"BOX

PLANT SCHEDULE		
SYMBOL	BOTANICAL / COMMON NAME	SIZE
SHRUBS		
	AMELANCHIER ALNIFOLIA SERVICEBERRY	5 GAL
	ARTEMISIA DOUGLASIANA MUGWORT	5 GAL
	CEANOTHUS THYRSIFLORUS BLUEBLOSSOM	5 GAL
	CHLOROGALUM POMERIDIANUM SOAP PLANT	1 GAL
	CORYLUS CORNUTA BEAKED HAZELNUT	5 GAL
	FESTUCA CALIFORNICA CALIFORNIA FESCUE	1 GAL
	GAULTHERIA SHALLON SALAL	5 GAL
	JUNCUS PATENS CALIFORNIA GRAY RUSH	1 GAL
	PHILADELPHUS LEWISII WILD MOCK ORANGE	5 GAL
	POLYSTICHUM MUNITUM WESTERN SWORD FERN	1 GAL
	RIBES SANGUINEUM RED FLOWERING CURRANT	5 GAL
	VACCINIUM OVATUM EVERGREEN HUCKLEBERRY	5 GAL
GROUND COVERS		
	ACHILLEA MILLEFOLIUM COMMON YARROW	1 GAL
	AQUILEGIA FORMOSA WESTERN COLUMBINE	1 GAL
	ARCTOSTAPHYLOS X 'EMERALD CARPET' EMERALD CARPET MANZANITA	1 GAL
	IRIS DOUGLASIANA DOUGLAS IRIS	1 GAL

REFER TO SHEET L3.00 FOR MASTER PLANTING SCHEDULES AND NOTES

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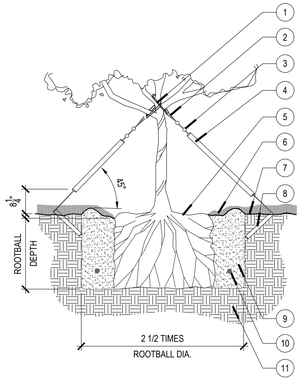
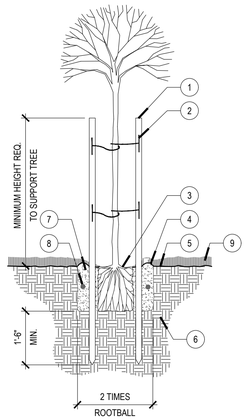


1. V.I.T. PROTECTIVE COLLAR
2. 12 GAUGE, DOUBLE STRAND GALVANIZED WIRE -LENGTH AS REQUIRED
3. ½" TURNBUCKLE -2 PER GUYING WIRE
4. GUY WIRE SHALL BE FLAGGED WITH ½" O.D. BROWNLINE P.V.C. PIPE -WIRE IN PLACE
5. ROOTBALL CROWN SHALL BE PLANTED 2" ABOVE FINISH GRADE
6. EARTH WATERING BASIN -NO LARGER THAN ROOTBALL -WITH 3" LAYER OF BARK MULCH -RAKE OUT AS DIRECTED -REFER TO SPECIFICATIONS FOR ADDITIONAL INFO
7. FINISH GRADE
8. 2" DIA. x 24" LENGTH -15 GAUGE -GALVANIZED STEEL PIPE STAKE DRIVEN FLUSH TO GRADE -DRILL (2) ⅜" DIA. HOLES -½" FROM TOP TO SECURE CABLE
9. BACKFILL MIX PER PLANTING SPECIFICATIONS
10. PLANTING TABLETS PER PLANTING SPECIFICATIONS
11. UNDISTURBED SOIL -SCARIFY SIDES AND BOTTOM OF PIT

NOTES:
A. TREE GUYING WILL BE LOCATED AT THE DISCRETION OF THE LANDSCAPE ARCHITECT
B. EQUALLY SPACE AROUND TREE (4) GUY WIRES IN SHRUB AREA AND (3) GUY WIRES IN TURF
C. MAINTAIN A MIN. 1'-0" RADIUS CLEAR EARTH AREA AROUND TRUNK IN TURF

J Tree Guying (60" Box or Larger)
Scale: 1/2" = 1'-0"



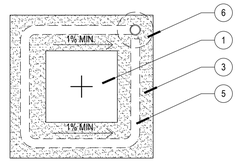
1. (2) 3" DIAMETER X 12' LONG UNTREATED PINE LODGEPOLE STAKES -PLACE STAKES PARALLEL TO PREVAILING WIND OR AS DIRECTED BY LANDSCAPE ARCHITECT
2. (4) 32" BLACK "CINCH" TIES FROM V.I.T. PRODUCTS, INC. (800)673-1797
3. ROOTBALL CROWN 2" ABOVE FINISH GRADE
4. EARTH WATERING BASIN -NO LARGER THAN ROOTBALL -RAKE OUT AS DIRECTED
5. FINISH GRADE
6. UNDISTURBED SOIL -SCARIFY SIDES AND BOTTOM OF PIT
7. BACKFILL MIX PER PLANTING SPECIFICATIONS
8. PLANTING TABLETS PER PLANTING SPECIFICATIONS
9. 3" LAYER OF MULCH -NOT TO COVER TRUNK OF TREE -REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

NOTES:
A. FOOT TAMP BACKFILL LIGHTLY IN 6"-10" LIFTS
B. MAINTAIN A MIN. 1'-0" RADIUS CLEAR EARTH AREA AROUND TRUNK IN TURF
C. V.I.T. CINCH TIES ARE TO BE ATTACHED TO LODGEPOLE WITH GALVANIZED DECK SCREWS, NO NAILS ALLOWED.
D. REFER TO DRAINAGE DETAIL

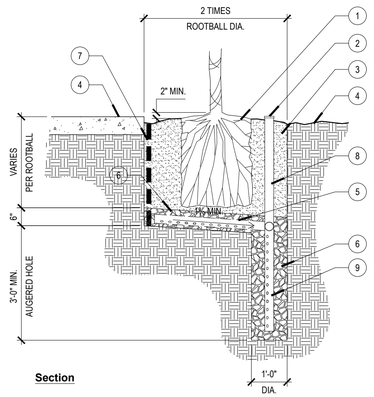
K Tree Planting and Staking (48" Box & Smaller)
Scale: 1/2" = 1'-0"

NOTES:
A. FOR STORM DRAIN CONNECTION AND INVERT SEE CIVIL ENGINEERING PLANS. VERIFY INVERT AND ROOTBALL DEPTH PRIOR TO INSTALLATION
B. WHERE DEPTH IS NOT ADEQUATE FOR STORM DRAIN CONNECTION, A SUMP WITH INSPECTION TUBE IS REQUIRED AS INDICATED ON THIS DETAIL

1. TREE ROOTBALL -SEE PLANTING PLAN FOR TYPE AND SIZE
2. 3" DIA. NDS ROUND BLACK GRATE (PART NO. 11) -INSTALLED 2" ABOVE FINISH GRADE
3. PLANT BACKFILL MIX PER PLANTING SPECIFICATIONS
4. FINISH GRADE / SURFACE
5. 3" DIA., PERFORATED SDR 35 DRAIN PIPE WITH FILTER FABRIC SOCK (MIRAFI 140N) -WRAP TUBING AROUND ENTIRE BOTTOM OF TREE PIT AND CONNECT TO 3" VERTICAL DRAIN PIPE
6. ¾" AGGREGATE BACKFILL AROUND PERFORATED PIPE
7. ROOT BARRIER SHALL OCCUR WHERE HARDSCAPE IS LESS THAN 5 FEET AWAY FROM ROOTBALL -SEE DETAIL E, THIS SHEET
8. 3" DIA. SDR 35 PVC VERTICAL DRAIN PIPE -EXTEND ABOVE FINISH GRADE
9. 3" DIA. VERTICAL PERFERATED SDR 35 DRAIN PIPE WITH FILTER FABRIC SOCK (MIRAFI 140N) TIED AROUND BOTTOM END -EXTEND PIPE INTO AUGURED HOLE



Plan View

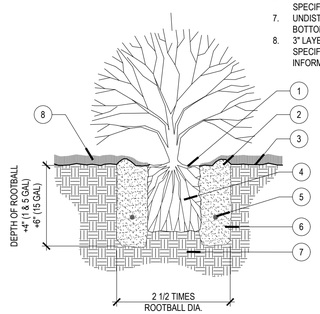


Section

H Tree Drainage with Inspection Tube (36" Box & Larger)
Scale: 1/2" = 1'-0"

NOTES:
A. AT STORM TREATMENT PLANTERS - ENSURE ROOTBALL IS COMPLETELY WITHIN TREATMENT AREA LINER OR WALL, NOT STRADDLING, AND HAVE TREATMENT SOIL ON ALL SIDES OF THE ROOTBALL.

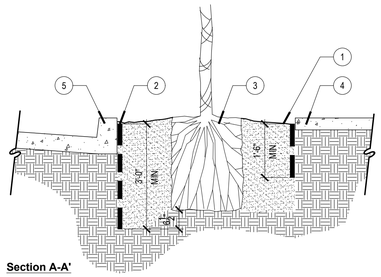
1. CROWN OF SHRUB TO BE PLANTED 1" ABOVE FINISH GRADE
2. EARTH WATERING BASIN - NO LARGER THAN ROOTBALL
3. FINISH GRADE
4. ROOTBALL
5. PLANT TABLETS -REFER TO SPECIFICATIONS
6. PREPARED BACKFILL MIX PER SPECIFIATIONS
7. UNDISTURBED SOIL -SCARIFY SIDES AND BOTTOM OF PIT
8. 3" LAYER OF MULCH -REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



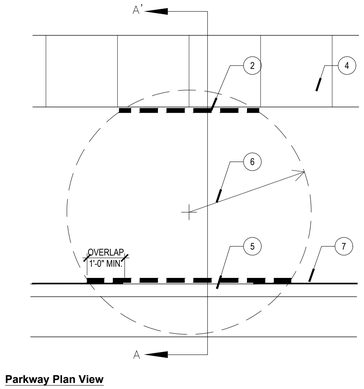
I Shrub Planting
Scale: NTS

NOTES:
A. POSITION ROOT BARRIER AS CLOSE TO CURB/SIDEWALK AS POSSIBLE - RAISED ROOT PROTECTORS SHALL BE FACING TOWARDS THE TREE
B. TOP OF BARRIER SHALL LEVEL WITH FINISH GRADE
C. LENGTH OF ROOT BARRIER SHALL BE A MINIMUM OF 12' OR EQUAL TO THE DRIPLINE OF THE TREE AT MATURITY, WHICH EVER IS GREATER.
D. APPLY MASTIC SEALER TO JOINT BETWEEN CONCRETE SURFACE AND ROOT BARRIER
E. USE ROOT BARRIERS EVERYWHERE TREES ARE PLANTED WITHIN 5' OF ANY STRUCTURE, CONCRETE FLATWORK, CURB AND GUTTER, UTILITIES, ETC.

1. FINISH GRADE
2. APPROVED ROOT CONTROL BARRIER
3. TREE ROOTBALL
4. CONCRETE FLATWORK
5. CONCRETE CURB AND GUTTER
6. DRIP LINE OF TREE (DEFINED BY THE MINIMUM SPACING DISTANCE IN THE TREE PLANTING GUIDELINES).
7. MOISTURE BARRIER



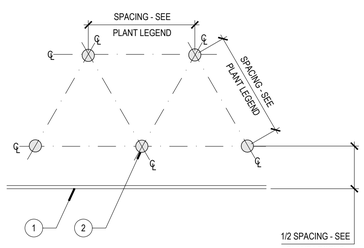
Section A-A'



Parkway Plan View

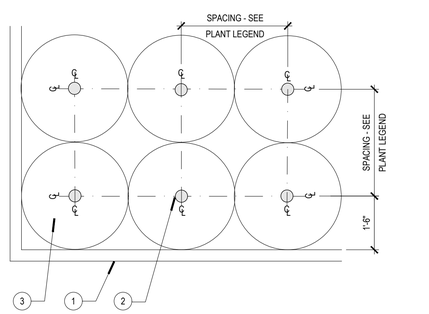
E Linear Root Barrier
Scale: 1/2"=1'-0"

1. EDGE OF CURB / EDGE OF PAVING / FACE OF WALL
2. PLANT MATERIAL



F Plant Spacing - Triangular
Scale: NTS

1. EDGE OF CURB / EDGE OF PAVING / FACE OF WALL
2. PLANT MATERIAL
3. PLACE ONE SHRUB AT CORNER

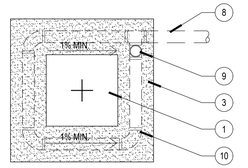


C Plant Spacing - Square
Scale: NTS

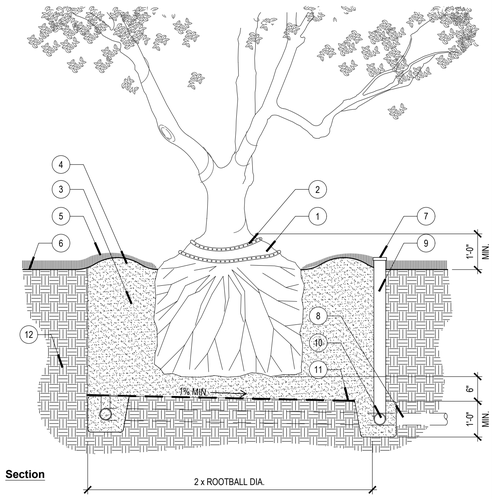
10. 4" DIA. SCH. 40 PVC PERFORATED DRAIN PIPE
11. 140 NC MIRAFI FILTER FABRIC - WRAP AROUND AGGREGATE OVERLAP A MINIMUM OF 6"
12. NATIVE SOIL

NOTES:
A. FOR STORM DRAIN CONNECTION AND INVERT SEE CIVIL ENGINEERING PLANS. VERIFY INVERT AND ROOTBALL DEPTH PRIOR TO INSTALLATION

1. TREE ROOTBALL -SEE PLANTING PLAN FOR SIZE
2. SOAKER HOSE AROUND BASIN UNTIL ESTABLISHMENT (2 YEAR MINIMUM)
3. AMENDED PLANT BACKFILL MIX PER PLANTING SPECIFICATIONS
4. 3"-4" BERM TO FORM WATERING BASIN (2 YEAR MINIMUM)
5. 3" LAYER OF MULCH -NOT TO COVER TRUNK OF TREE -REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION
6. FINISH GRADE/SURFACE
7. 4" DIA. GREEN SNAP END CAP 1" ABOVE FINISH GRADE
8. 4" DIA. SOLID SCH. 40 DRAIN PIPE TO STORM DRAIN
9. 4" DIA. SCH. 40 SOLID PVC INSPECTION PIPE



Plan View - NTS



Section

B Specimen Tree Planting
Scale: 1/2"=1'-0"

trilogy
2095 PINE STREET, REDDING, CA 96001
t: 530.243.3300 www.trilogyarch.com

LANDSCAPE ARCHITECT'S STAMP

LICENSED LANDSCAPE ARCHITECT
DANIEL L. HOHN
5609
Signature
6/30/2027
Renewal Date
3/27/2026
Date
STATE OF CALIFORNIA

EPTDESIGN
14988 SAND CANYON AVE, STUDIO 8
IRVINE, CA 92618
949.502.4500
EPTDESIGN.COM

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
CONSTRUCTION DOCS	27-MAR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. E25-510
DATE: 27-MAR-2026
ISSUE: CONSTRUCTION DOCUMENTS

SHEET NO.

L3.51

PLANTING DETAILS

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1 DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

FLOOR PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:

- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- REFER TO WALL TYPES SCHEDULE ON SHEET A003.
- REFER TO STRUCTURAL PLANS FOR SIZE OF STUDS.
- REFER TO FINISH SCHEDULE ON SHEET A002.
- REFER TO DOOR & WINDOW SCHEDULES ON SHEET A001.
- [other]

KEYED:

1. EXISTING DOOR TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
3. DASHED LINE INDICATES EXISTING ROOF TO BE REMOVED. SEE A302 FOR AREA.

trilogy
2055 PINE STREET, REDDING, CA 96001
t. 530.243.3000 www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT
MARC R. VAN BENSCH
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO.	C1276
DATE:	23-APRIL-2026
ISSUE:	FOR BID

SHEET NO.

D103

EXISTING BUILDING DEMO PLAN

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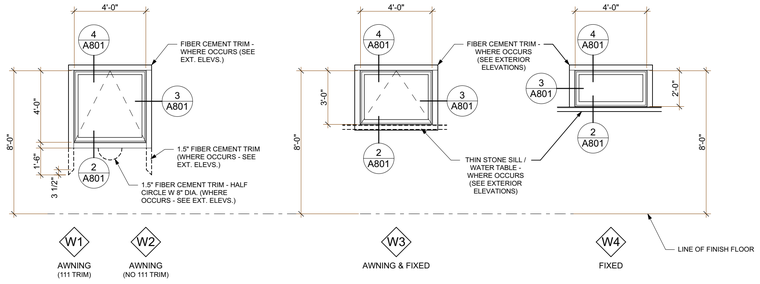
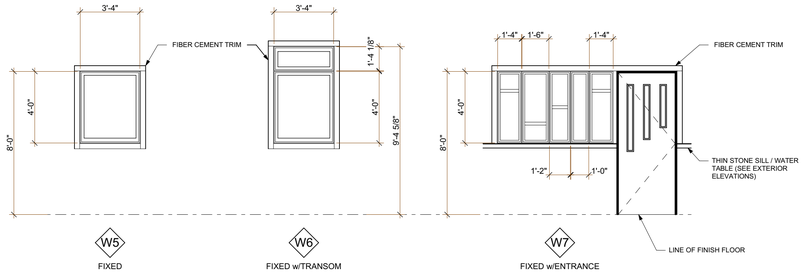
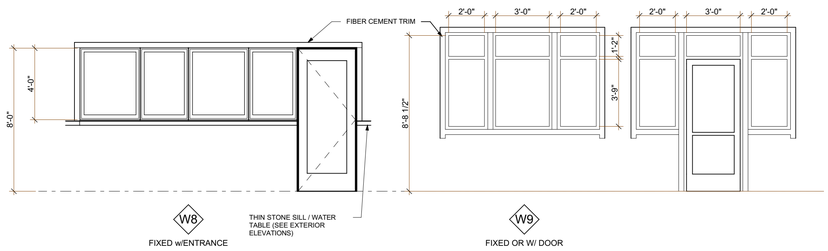
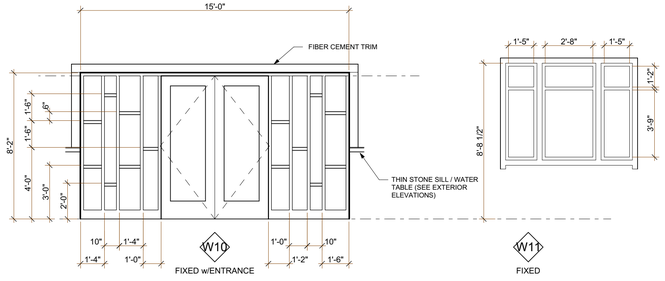
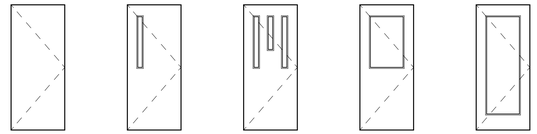






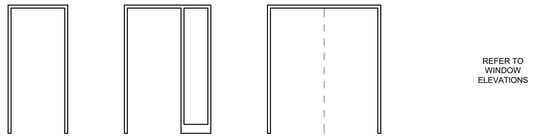


DOOR TYPES



A — FLUSH SLAB
B — QUARTER LITE
C — '111' LITE
D — HALF LITE
E — FULL LITE

FRAME TYPES



1 — STANDARD
2 — SIDE LIET
3 — PAIRED / DOUBLE
4 — STOREFRONT

REFER TO WINDOW ELEVATIONS

GLASS SCHEDULE

TAG	LOCATION	TYPE	NOTES
G1	EXTERIOR WINDOWS	1" INSULATED GLASS UNIT - EXTERIOR: FULLY TEMPERED - INTERIOR: LAMINATED - LOW E: SURFACE #2 OR #2	BIRD-SAFE FRIT: STYLE #1
G2	STOREFRONT DOORS	1" INSULATED GLASS UNIT - EXTERIOR: FULLY TEMPERED - INTERIOR: FULLY TEMPERED - LOW E: SURFACE #2 OR #2	BIRD-SAFE FRIT: STYLE #2
G3	STOREFRONT LITES - SIDELITES & TRANSOMS	1" INSULATED GLASS UNIT - EXTERIOR: FULLY TEMPERED - INTERIOR: LAMINATED - LOW E: SURFACE #2 OR #2	BIRD-SAFE FRIT: STYLE #2
G4	INTERIOR DOOR LITES	3/16" CLEAR CERAMIC GLASS	FIRE-PROTECTION-RATED
G5	EXIT STAIR - INTERIOR WALL	7/8" FIRE-RESISTIVE MULTI-LAM GLASS - 1-HR RATING	FIRE-PROTECTION-RATED

DOOR SCHEDULE

	DOOR LEAF						FRAME				RATING		FEATURES			DETAILS			
DOOR NUM.	NOM. WIDTH	NOM. HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	TYPE	-	FIRE (MINUTES)	SOUND (STC)	GLASS TYPE	HARDWARE	ACCESSORIES	HEAD	JAMB	THRESHOLD	NOTES
D101	3'-0" (PAIR/EA.)	8'-0"	1.75"	AL	AN	E	AL	AN	4	-	90	-	G2	1	-	3/A801	8/A802	12/A803	5
D102A	3'-0"	7'-0"	1.75"	AN	AN	B	AL	AN	1	-	90	-	G2	2	-	#/A80-	#/A80-	#/A80-	5
D102B	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	G4	3	-	#/A80-	#/A80-	#/A80-	2
D103	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	G4	4	-	#/A80-	#/A80-	#/A80-	2
D104	3'-0"	7'-0"	1.75"	SC	PT	C	HM	PT	1	-	20	-	G4	4	-	#/A80-	#/A80-	#/A80-	2
D105	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	-	5	-	#/A80-	#/A80-	#/A80-	2
D106	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	-	5	-	#/A80-	#/A80-	#/A80-	2
D107	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	-	5	-	#/A80-	#/A80-	#/A80-	2
D108	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	-	5	-	#/A80-	#/A80-	#/A80-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D110	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	B	6	-	#/A80-	#/A80-	#/A80-	2
D111	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	B	6	-	#/A80-	#/A80-	#/A80-	2
D112	3'-0"	7'-0"	1.75"	HM	PT	B	HM	PT	1	-	60	-	B	7	-	#/A80-	#/A80-	#/A80-	2
D113	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	G4	6	-	#/A80-	#/A80-	#/A80-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D117	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	G4	4	-	#/A80-	#/A80-	#/A80-	2
D201	3'-0" (PAIR/EA.)	7'-0"	1.75"	AN	AL	A	AL	AN	3	-	90	-	G2	4	-	#/A80-	#/A80-	#/A80-	5
D202	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	G4	6	-	#/A80-	#/A80-	#/A80-	2
D203	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	G4	6	-	#/A80-	#/A80-	#/A80-	2
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D205	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	G4	4	-	#/A80-	#/A80-	#/A80-	2
D206A	3'-0"	7'-0"	1.75"	SC	PT	E	HM	PT	1	-	-	-	-	8	-	3/A801	8/A802	12/A803	2
D206B	3'-0"	7'-0"	1.75"	SC	PT	E	HM	PT	1	-	60	-	G5	7	-	#/A80-	#/A80-	#/A80-	2
D206C	3'-0"	7'-0"	1.75"	IN	PT	B	HM	PT	1	-	60	-	G2	9	-	#/A80-	#/A80-	#/A80-	5
D207	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	-	5	-	#/A80-	#/A80-	#/A80-	2
D208	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	-	-	-	4	-	#/A80-	#/A80-	#/A80-	2
D209	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	-	-	-	4	-	#/A80-	#/A80-	#/A80-	2
D210	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	G4	4	-	#/A80-	#/A80-	#/A80-	2
D211	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	G4	4	-	#/A80-	#/A80-	#/A80-	2
D212	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	-	-	-	4	-	#/A80-	#/A80-	#/A80-	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D214	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	-	-	-	4	-	#/A80-	#/A80-	#/A80-	2
D215	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	-	-	-	6	-	#/A80-	#/A80-	#/A80-	2
D216	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	-	6	-	#/A80-	#/A80-	#/A80-	-
D301	3'-0" (PAIR/EA.)	7'-0"	1.75"	AN	AL	A	HM	PT	4	-	90	-	G2	1	-	#/A80-	#/A80-	#/A80-	5
D302	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	G4	6	-	#/A80-	#/A80-	#/A80-	-
D303A	3'-0"	7'-0"	1.75"	IN	PT	D	HM	PT	1	-	90	-	G2	9	-	#/A80-	#/A80-	#/A80-	5
D303B	3'-0"	7'-0"	1.75"	IN	PT	D	HM	PT	1	-	90	-	G2	9	-	#/A80-	#/A80-	#/A80-	4, 5
D303C	3'-0"	7'-0"	1.75"	SC	PT	E	HM	PT	1	-	20	-	G4	10	-	#/A80-	#/A80-	#/A80-	3,
D303D	3'-0"	7'-0"	1.75"	SC	PT	E	HM	PT	1	-	20	-	G4	10	-	#/A80-	#/A80-	#/A80-	6
D304	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	-	6	-	#/A80-	#/A80-	#/A80-	-
D305	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	20	-	-	4	-	#/A80-	#/A80-	#/A80-	-
D306	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	-	5	-	#/A80-	#/A80-	#/A80-	1
D307	3'-0"	7'-0"	1.75"	HM	PT	A	HM	PT	1	-	180	-	-	11	-	#/A80-	#/A80-	#/A80-	4, 9,10
D308	3'-0"	7'-0"	1.75"	SC	PT	A	HM	PT	1	-	20	-	-	5	-	#/A80-	#/A80-	#/A80-	1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D310	3'-0"	7'-0"	1.75"	SC	PT	B	HM	PT	1	-	-	-	-	-	-	#/A80-	#/A80-	#/A80-	-

DOOR SCHEDULE NOTES

- EXTERIOR DOORS SHALL HAVE THE FOLLOWING ENERGY RATINGS OR BETTER: U-FACTOR - 0.33 / SHGC - 0.24
- SAFETY GLAZING MUST BE PROVIDED AT HAZARDOUS LOCATIONS PER CBC 2406.4, INCLUDING, BUT NOT LIMITED TO, GLAZING WITHIN 18 INCHES OF A WALKING SURFACE.
- THRESHOLDS TO BE MAXIMUM 1/2 INCH HIGH ABOVE FLOOR AND LANDING ON BOTH SIDES AT ALL DOORS PER CBC 11B-404.2.5
- ALL DOORS WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND, MEASURED VERTICALLY, SHALL HAVE A FLUSH SURFACE AT BASE OF DOOR PER CBC 11B-404.2.10
- ALL REQUIRED EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. BOTH DEADBOLT AND LATCH MUST RETRACT WITH A SINGLE-HAND MOTION PER CFC 1010.1.9.
- DOOR AND GATE HARDWARE PER CBC 11B-404.2.7.
- DOOR AND GATE OPENING FORCE PER CBC 11B-404.2.
- DOOR AND GATE SURFACES PER CBC 11B-404.2.10.
- AUTOMATIC AND POWER ASSISTED DOORS PER CBC 11B-404.3.

1 PROVIDE ACCESSIBILITY SIGNAGE OUTSIDE OF THIS DOOR PER SPECIFICATIONS AND THE 2022 CBC (REFER TO DETAIL ###).
2 PROVIDE THRESHOLD AND ACOUSTICAL SEALS ON THIS DOOR PER THE SPECIFICATIONS AND DOOR HARDWARE SCHEDULE.
3 ASSISTED LISTENING SYSTEM SIGNAGE.
4 PROVIDE SIGN INDICATING 'NOT AN EXIT'.
5 DOOR LITE GLAZING TO BE 'BIRD SAFE' GLASS PER SPECIFICATIONS.
6 MAXIMUM OCCUPANCY SIGNAGE REQUIRED NEAR THIS DOOR.
7 PROVIDE COVED TILE BASE.
8 PROVIDE SIGN INDICATING 'EXIT ROUTE'.
9 THIS DOOR REQUIRES SMOKE AND DRAFT GASKETING.
10 PROVIDE CLOSERS, LATCHING MECHANISMS AND ALL OTHER HARDWARE OR SEALS REQUIRED FOR THE LISTED FIRE RATING.

DOOR SCHEDULE ABBREVIATIONS

AL	ALUMINUM	HM	HOLLOW METAL	SCW	SOLID CORE WOOD
AN	ANODIZED	IN	INSULATED HOLLOW METAL	ST	STAIN
FG	FIBERGLASS	OH	OVERHEAD	STL	STEEL
FP	FACTORY PRIMED, FIELD PAINTED	PR	PAIR OF DOORS	VN	VARNISH
GL	GLASS	PT	PAINT		

1 WINDOW & STOREFRONT ELEVATIONS
SCALE: 1/4" = 1'-0"

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ARCHITECT'S STAMP

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RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

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DOOR & WINDOW SCHEDULES

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ROOM FINISH SCHEDULE

ROOM			NORTH		EAST		SOUTH		WEST		CEILING		
NUM.	NAME	FLOOR	BASE	WALL	BASE	WALL	BASE	WALL	BASE	WALL	FINISH	HEIGHT	NOTES
101	LOBBY	SC	RB	AWP/GWB/TP	RB	AWP/GWB/TP	RB	AWP/GWB/TP	-	-	AWP	10'0"	1, 2, 3
102	LAUNDRY	SC	RB	GWB/WRB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/WRB/TP	GWB/TP	10'0"	1, 2
103	MEETING	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	10'0"	1, 2
104	CULTURAL COVE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	AWP	VARIES	1, 2, 6
105	ACCESSIBLE TOILET	SC	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	GWB/TP	9'0"	1,4
106	TOILET	SC	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	GWB/TP	9'0"	1,4
107	TOILET	SC	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	GWB/TP	9'0"	1,4
108	ACCESSIBLE TOILET	SC	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	CT	CT/WRB/TP	GWB/TP	9'0"	1,4
109	FOYER	CPT	RB	GWB/TP	-	-	RB	GWB/TP	RB	GWB/TP	AWP	9'0"	1, 2, 3
110	JANITOR	SC	RB	FRP/WRB/TP	RB	FRP/GWB/TP	RB	FRP/GWB/TP	RB	FRP/GWB/TP	GWB/TP	12'4"	
111	STORAGE	SC	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP	12'4"	
112	POD SEATING	CPT	RB	AWP/GWB/TP	RB	AWP/GWB/TP	-	-	RB	AWP/GWB/TP	AWP	10'8"	1, 2, 3, 5
113	STORAGE	SC	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP	12'4"	
114	LIBRARY/RESOURCE	CPT	-	-	RB	AWP/GWB/TP	RB	AWP/GWB/TP	RB	AWP/GWB/TP	AWP	10'8"	1, 2, 3
115	GROUP ACTIVITY	CPT	RB	AWP/GWB/TP	RB	AWP/GWB/TP	-	-	-	-	AWP	10'8"	1, 2, 3, 5
116	GROUP SEATING	CPT	RB	AWP/GWB/TP	RB	AWP/GWB/TP	-	-	-	-	AWP	10'8"	1, 2, 3, 5
117	TELEHEALTH	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	10'0"	1, 2
118	OUTDOOR KITCHEN	-	-										
201	VESTIBULE	RB	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP	9'0"	9
202	ELECTRICAL	ERF	ERF	GWB/TP	ERF	GWB/TP	ERF	GWB/TP	ERF	GWB/TP	GWB/TP	11'6"	10
203	STORAGE	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP	11'6"	
204	SERVER	ERF	ERF	GWB/TP	ERF	GWB/TP	ERF	GWB/TP	ERF	GWB/TP	ACT	9'0"	8, 10
205	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
206	LOBBY	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	AWP	9'6"	2
207	ACCESSIBLE TOILET	SV	SV	GWB/TP	SV	GWB/TP	SV	WRB/TP	SV	GWB/TP	GWB/TP	9'0"	1, 11
208	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
209	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
210	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
211	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
212	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
213	OFFICE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	1
214	STORAGE	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP	11'6"	
215	GALLERY	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	-	-	AWP	9'6"	1
301	HEAD SPACE	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	AWP	VARIES	9, 12, 13
302	STORAGE	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP		
303	COMMUNITY ROOM	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	AWP	VARIES	
304	STORAGE	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP		
305	PANTRY	LVT	RB	GWB/TP	RB	WRB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	
306	MEN	SV	SV	GWB/TP	SV	GWB/TP	SV	GWB/TP	SV	WRB/TP	GWB/TP	9'0"	
307	HALL	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	
308	WOMEN	SV	SV	GWB/TP	SV	GWB/TP	SV	GWB/TP	SV	WRB/TP	GWB/TP	9'0"	
309	STORAGE	LVT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	GWB/TP		
310	MEETING	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	AWP	9'0"	
311	PARENTS' ROOM	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	
312	HALLWAY	CPT	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	RB	GWB/TP	ACT	9'0"	
313	HALLWAY	CPT	RB	GWB/TP	-	-	RB	GWB/TP	-	-	-	-	

REMARKS

1 PROVIDE FULL SOUND BATT INSULATION IN ALL WALLS OF THIS SPACE
2 REFER TO INTERIOR ELEVATIONS FOR DETAILED WALL FINISH INFORMATION.
3 PROVIDE AWP PANELS TO 54" AFF IN THIS SPACE.
4 CERAMIC WALL TILE TO 48" AFF. PAINT EXPOSED WALL SURFACES ABOVE TILE.
5 PAINT SOFFIT TO MATCH ADJACENT WALL SURFACE.
6 CEILING WITH THREE (3) PLANES - SIDES SLOPED FROM 9'3" AT WALLS TO 10'0" TOWARDS MIDDLE OF ROOM; CENTER SECTION FLAT AT 10'4" (SEE SECTIONS AND INTERIOR ELEVATIONS).
7 PROVIDE COVED TILE BASE.
8 ELECTROSTATIC DISSIPATIVE FLOORING IN THIS SPACE.
9 RECESSED WALK-OFF MAT IN THIS SPACE (SEE DETAILS).
10 COVE EPOXY FLOORING UP WALL 6" IN THIS SPACE.
11 6" INTEGRAL COVED SHEET VINYL BASE.
12 PROVIDE RUBBER FLOORING AT ENTRY AREA AS SHOWN ON FLOOR PLAN.
13 MULTI-LEVEL CEILING CLOUDS - REFER TO REFLECTED CEILING PLAN (SEE SECTIONS AND INTERIOR ELEVATIONS). MATCH (E) ADJACENT WALL FINISH.

ABBREVIATIONS

ACT ACOUSTICAL CEILING TILE
AWP ACOUSTICAL WOOD FIBER PANEL
CPT CARPET TILE
ERF EPOXY RESIN FLOORING
FRP FIBER REINFORCED PLASTIC
GWB GWBSUM WALLBOARD
LVT LUXURY VINYL TILE
RB RUBBER
SC SEALED CONCRETE
SV SHEET VINYL
TP TEXTURE & PAINT
WRB WATER-RESISTANT GWBSUM WALLBOARD

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FINISH SCHEDULES

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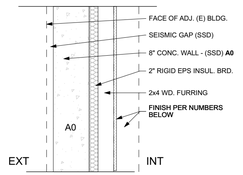
WALL TYPES ASSEMBLIES



CONC. FIRE WALL

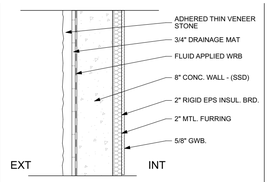
3HR RATED, CBC 722.3.1.3 & 722.3.2

A1 5/8" GWB FINISH

A2 5/8" WRBG W/ CERAMIC TILE

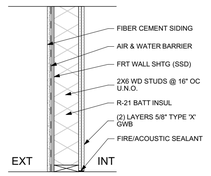
A3 5/8" CEMENT BOARD W/ CERAMIC TILE

A4 OMIT WD. FURRING AND REPLACE W/ 2" MTL FURRING W/ 5/8" GWB



EXT. CONC WALL

B ASSEMBLY PICTURED ABOVE

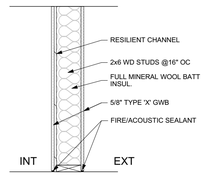


EXT. WOOD STUD WALL

2HR RATED (INSIDE ONLY), CBC 705.5

C ASSEMBLY PICTURED ABOVE

D



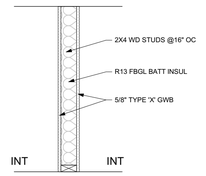
INT. WOOD STUD WALL

1HR RATED, STC 52, UL DESIGN #305

E ASSEMBLY PICTURED ABOVE

F CERAMIC TILE, 5/8" WRGB, 2x6 WD STUD, 5/8" GWB.

G SAME AS WALL 'F" - OMIT GWB ON CAVITY SIDE OF WALL



INT. WOOD STUD WALL

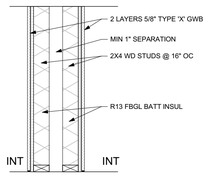
1HR RATED, CBC TABLE 720.1, ITEM 15-1.13

H ASSEMBLY PICTURED ABOVE

I CERAMIC TILE, 5/8" CEMENT BOARD, 2x4 WD. STD., 5/8" WRGB, CERAMIC TILE

J CERAMIC TILE, 5/8" WRGB, 2x4 WD. STD., 5/8" GWB.

J1 CERAMIC TILE, 5/8" WRGB, 2x4 WD. STD., 5/8" WRGB, CERAMIC TILE

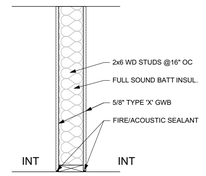


INT. WOOD STUD WALL

1HR RATED, GA FILE NO. WP 3370

K

L

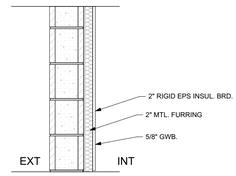


INT. SHAFT WALL

1HR RATED

M ASSEMBLY PICTURED ABOVE

N (NON SHAFT WALL) OMIT SOUND BATT FOR BATT INSULATION



FIRE WALL

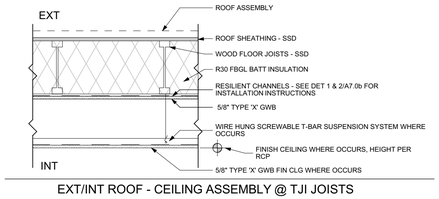
2HR RATED

O ASSEMBLY PICTURED ABOVE

WALL TYPES GENERAL NOTES
*1. INDICATES UPPER WALL ON TOP OF LOWER WALL W/ DIFFERENT DESIGNATION.

A. ALL WALLS ARE FULL HEIGHT TO STRUCTURE ABOVE, U.N.O.
B.. EXTERIOR GYPSUM SHEATHING - 5/8" GYPSUM SHEATHING WITH GLASS MATS BOTH SIDES, WATER-RESISTANT TREATED CORE, 'GEORGIA PACIFIC' DENSGLAS GOLD FIRE GUARD OR EQUAL.

FLOOR TYPES ASSEMBLIES

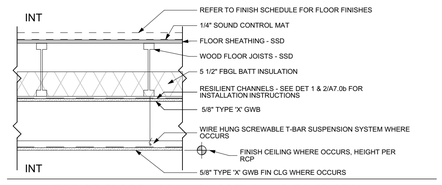


EXT/INT ROOF - CEILING ASSEMBLY @ TJI JOISTS

1HR RATED, ESR-1153 ASSEMBLY B

A

B



INTERIOR FLOOR - CEILING ASSEMBLY @ TJI JOISTS

1HR RATED, ESR-1846 FIGURE 1

C

D

FLOOR TYPES GENERAL NOTES
A. MEMBRANE ROOFING SYSTEM - CLASS C - MIN, 'GAF' EVERGUARD TPO, WHITE, 60 MIL, FULLY ADHERED, 20 YR WARRANTY, OR EQUAL.
B. RIGID INSULATION - POLYISO FOAM, MECHANICALLY FASTENED PER MANU. SPECS.

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WALL ASSEMBLIES

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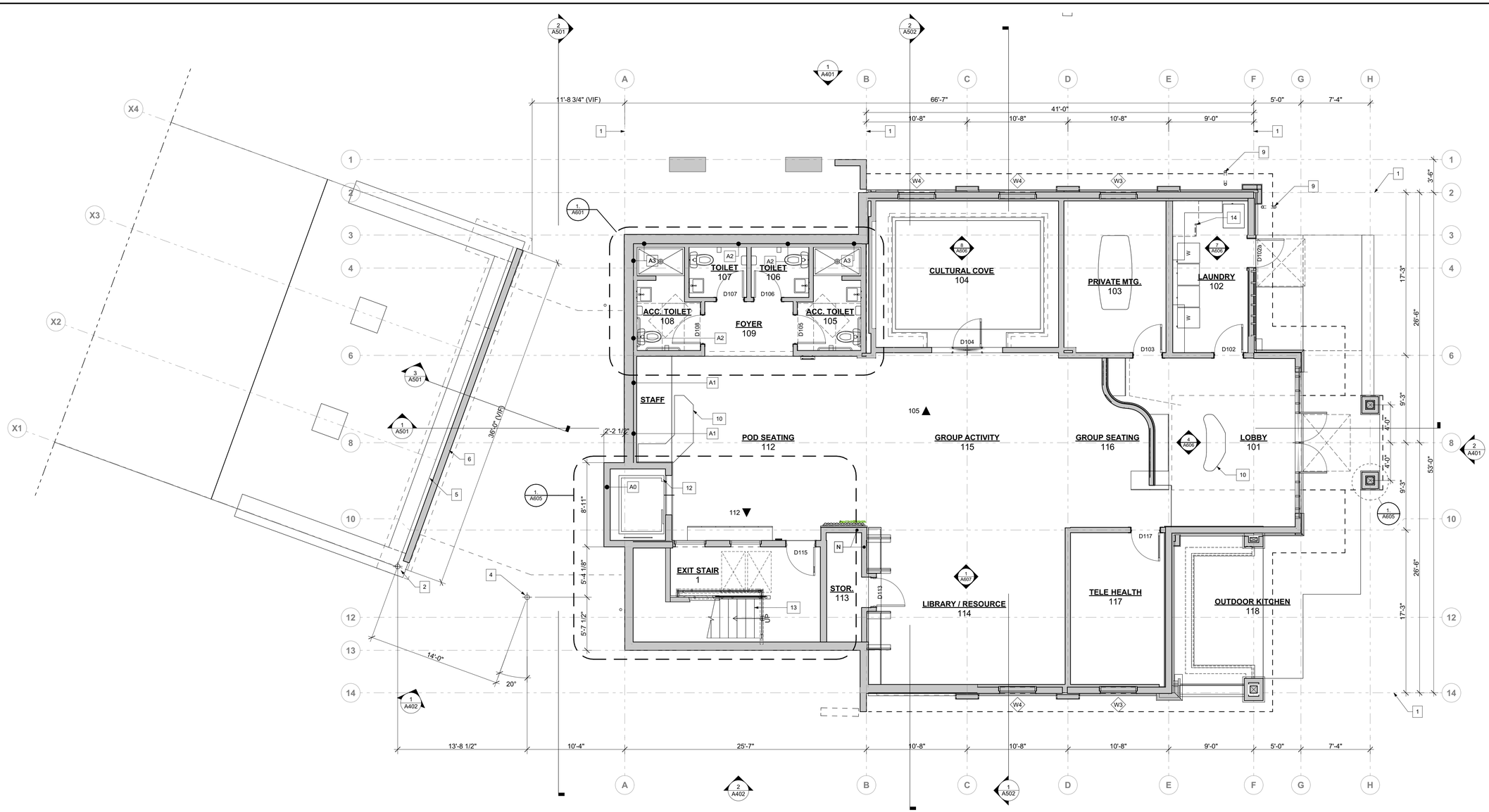


1 LOWER LEVEL FLOOR PLAN

SCALE: 3/16" = 1'-0"

N

FLOOR PLAN NOTES:

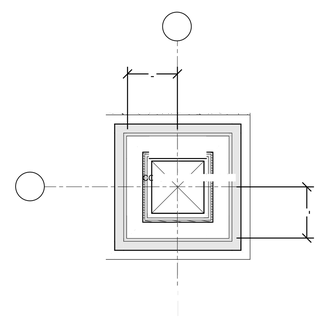
NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:

- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- REFER TO WALL TYPES SCHEDULE ON SHEET A003.
- REFER TO STRUCTURAL PLANS FOR SIZE OF STUDS.
- REFER TO FINISH SCHEDULE ON SHEET A002.
- REFER TO DOOR & WINDOW SCHEDULES ON SHEET A001.
- [other]

KEYED:

1. THIS LINE IS FACE OF [WOOD / METAL] STUD FRAMING (SEE STRUCTURAL).
2. DASHED LINE IS EDGE OF ROOF OVERHANG ABOVE.
3. THIS LINE IS CENTERLINE OF [WOOD POST / STEEL COLUMN] (SEE STRUCTURAL).
4. MASONRY FIRE WALL – REFER TO WALL TYPES SCHEDULE AND DETAILS.
5. DASHED LINE IS FACE OF SOFFIT ABOVE (SEE REFLECTED CEILING PLAN AND SECTIONS).
6. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR WORK IN THIS AREA.
7. CENTER SIDEWALK JOINT ON DOOR OPENING.
8. THIS LINE IS EDGE OF FLOORING FINISH (SEE FINISH SCHEDULE).
9. STL. DOWNSPOUT (PT) W/CONC. BACKSPLASH (SEE EXTERIOR ELEVATIONS AND DETAILS).
10. RECEPTION DESK (REFER TO INTERIOR ELEVATIONS AND DETAILS).
11. PROPOSED FACP LOCATION. FIRE ALARM SYSTEM IS A DEFERRED SUBMITTAL TO BE PROVIDED BY AWARDED CONTRACTOR. SEE SPECIFICATIONS.
12. MACHINE ROOM-LESS ELEVATOR (REFER TO ELECTRICAL DOCUMENTS AND SPECIFICATIONS).
13. STAIR WITH HANDRAILS ON BOTH SIDES (REFER TO CODE ANALYSIS PLANS AND ACCESSIBILITY DETAILS).
14. PLASTIC LAMINATE CABINETS & COUNTERTOP (REFER TO INTERIOR ELEVATIONS AND DETAILS).
15. REFER TO MECHANICAL DOCUMENTS FOR WORK IN THIS AREA.
16. ACCESS CONTROLLED DOOR (REFER TO DOOR SCHEDULE AND ELECTRICAL DOCUMENTS).
17. [other]



3 COLUMN WRAP DETAIL

SCALE: 1" = 1'-0"

0 6" 1' 2'

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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARC R. VAN DENBURG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

A101

LOWER LEVEL FLOOR PLAN

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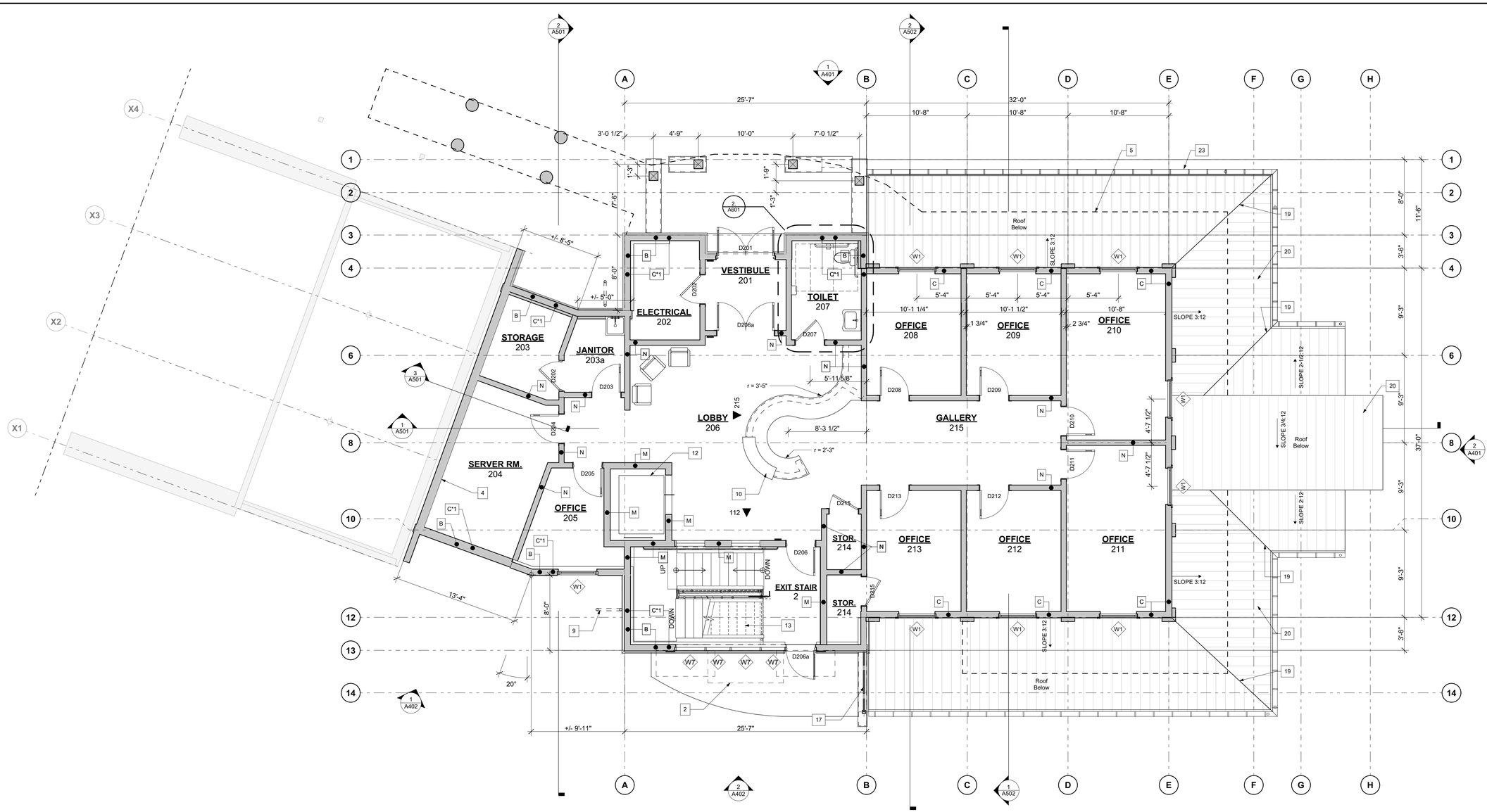

1 SECOND FLOOR PLAN

SCALE: 3/16" = 1'-0"

N

FLOOR PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:

- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- REFER TO WALL TYPES SCHEDULE ON SHEET A003.
- REFER TO STRUCTURAL PLANS FOR SIZE OF STUDS.
- REFER TO FINISH SCHEDULE ON SHEET A002.
- REFER TO DOOR & WINDOW SCHEDULES ON SHEET A001.
- REFER TO ROOFING ASSEMBLIES SCHEDULE.
- PLUMBING VENT PIPING SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF AND NOT LESS THAN 12" FROM ANY VERTICAL SURFACE.
- PROVIDE SLOPE AS INDICATED ON PLAN (1/4" PER FOOT MINIMUM).
- ROOF PITCH IS 3:12 SLOPE U.N.O.

KEYED:

1. THIS LINE IS FACE OF WOOD STUD FRAMING (SEE STRUCTURAL).
2. DASHED LINE IS EDGE OF ROOF OVERHANG ABOVE.
3. THIS LINE IS CENTERLINE OF WOOD POST (SEE STRUCTURAL).
4. MASONRY FIRE WALL – REFER TO WALL TYPES SCHEDULE AND DETAILS.
5. DASHED LINE IS FACE OF SOFFIT ABOVE (SEE REFLECTED CEILING PLAN AND SECTIONS).
6. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR WORK IN THIS AREA.
7. CENTER CONCRETE JOINT ON DOOR OPENING.
8. THIS LINE IS EDGE OF FLOORING FINISH (SEE FINISH SCHEDULE).
9. STL. DOWNSPOUT (PT) - CONNECT TO UG STORM DRAIN SYSTEM (SEE CIVIL,EXTERIOR ELEVATIONS AND DETAILS).
10. RECEPTION DESK (REFER TO INTERIOR ELEVATIONS AND DETAILS).
11. PROPOSED FACP LOCATION. FIRE ALARM SYSTEM IS A DEFERRED SUBMITTAL TO BE PROVIDED BY AWARDED CONTRACTOR. SEE SPECIFICATIONS.
12. MACHINE ROOM-LESS ELEVATOR (REFER TO ELECTRICAL DOCUMENTS AND SPECIFICATIONS).
13. STAIR WITH HANDRAILS ON BOTH SIDES (REFER TO CODE ANALYSIS PLANS AND ACCESSIBILITY DETAILS).
14. PLASTIC LAMINATE CABINETS & COUNTERTOP (REFER TO INTERIOR ELEVATIONS AND DETAILS).
15. RETAINING WALL (SEE STRUCTURAL).
16. ACCESS CONTROLLED DOOR (REFER TO DOOR SCHEDULE AND ELECTRICAL DOCUMENTS).
17. DECORATIVE METAL SCREEN/BARRIER (SEE ELEVATIONS AND DETAILS).
18. DASHED LINE IS FACE OF WALL OR COLUMN BELOW.
19. THIS LINE IS HIP RIDGE.
20. 22 GA STANDING SEAM METAL ROOFING (TYP).
21. APPROXIMATE LOCATION OF PLUMBING VENT ROOF PENETRATION (REFER TO DETAIL #/A### AND PLUMBING DOCUMENTS).
22. 3" STD STL DOWNSPOUT (SEE DETAIL #/A###).
23. CONTINUOUS 22 GA SHT MTL GUTTER W/ LEAF GUARD AND DOWNSPOUTS (SEE DETAIL #/A###).
24. THIS LINE IS SLOPE BREAK IN TAPERED ROOF INSULATION.
25. END OF METAL GUTTER SECTION. PROVIDE END CAPS W/MIN. 1/4" EXPANSION GAP PER SMACNA REC'S., AND PROVIDE JOINT COVER FOR SEAMLESS APPEARANCE).

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ARCHITECT'S STAMP

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PROJECT:

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23001 CA HWY 96
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REVISIONS

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PROJECT NO. C1276
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SHEET NO.

A102

MIDDLE LEVEL FLOOR PLAN

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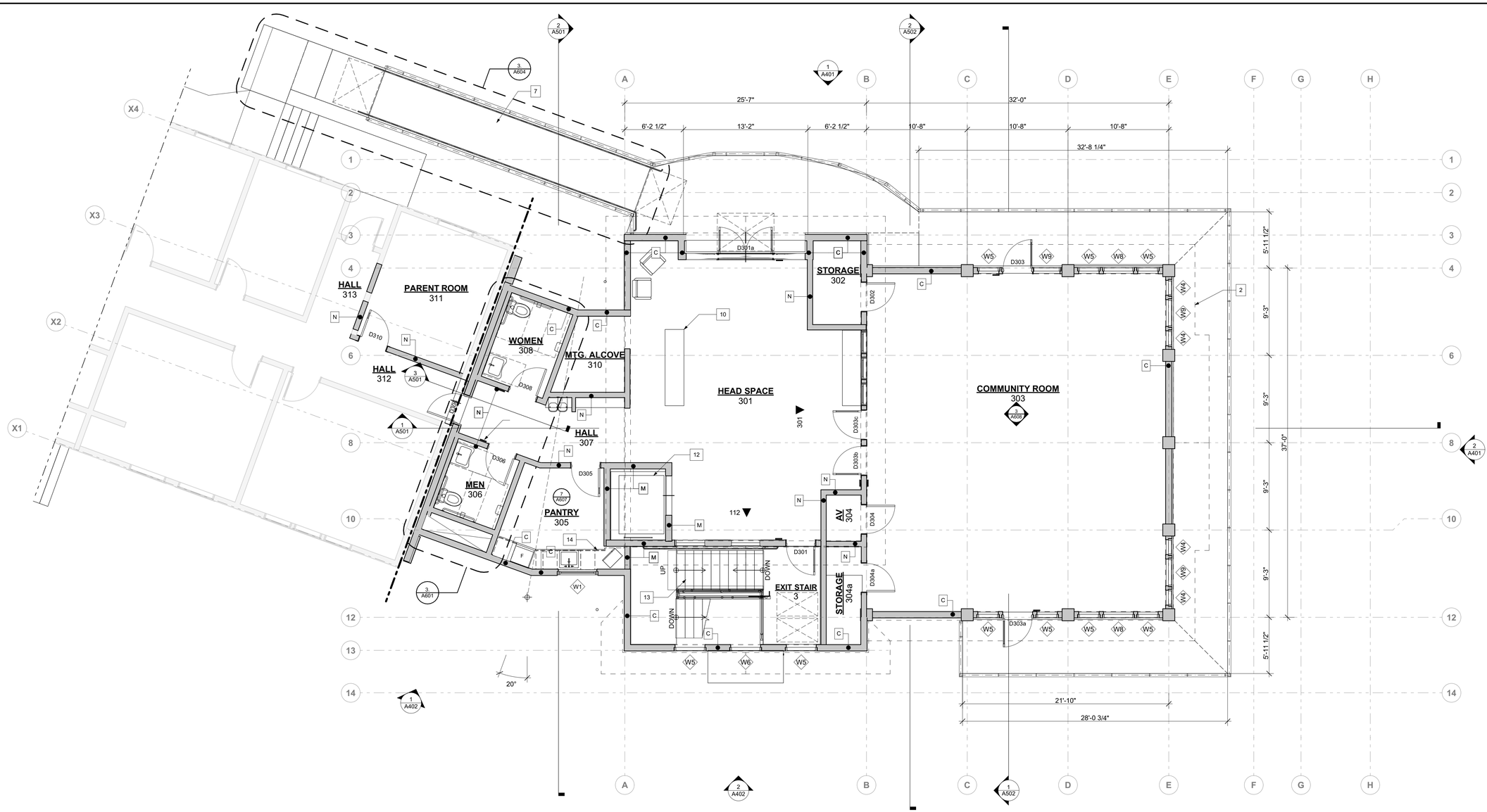

1 UPPER LEVEL FLOOR PLAN

SCALE: 3/16" = 1'-0"

N

FLOOR PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:

- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- REFER TO WALL TYPES SCHEDULE ON SHEET A003.
- REFER TO STRUCTURAL PLANS FOR SIZE OF STUDS.
- REFER TO FINISH SCHEDULE ON SHEET A002.
- REFER TO DOOR & WINDOW SCHEDULES ON SHEET A001.
- [other]

KEYED:

1. THIS LINE IS FACE OF WOOD STUD FRAMING (SEE STRUCTURAL).
2. DASHED LINE IS EDGE OF ROOF OVERHANG ABOVE.
3. THIS LINE IS CENTERLINE OF WOOD POST (SEE STRUCTURAL).
4. MASONRY FIRE WALL (REFER TO WALL TYPES SCHEDULE AND DETAILS).
5. DASHED LINE IS FACE OF SOFFIT ABOVE (SEE REFLECTED CEILING PLAN AND SECTIONS).
6. REFER TO ELECTRICAL DOCUMENTS FOR WORK IN THIS AREA.
7. ACCESSIBLE RAMP WITH HANDRAIL ON EACH SIDE (SEE CODE ANALYSIS PLAN ON SHEET G203).
8. THIS LINE IS EDGE OF FLOORING FINISH (SEE FINISH SCHEDULE).
9. STL. DOWNSPOUT (PT) W/CONC. BACKSPLASH (SEE EXTERIOR ELEVATIONS AND DETAILS).
10. RECEPTION DESK (REFER TO INTERIOR ELEVATIONS AND DETAILS).
11. PROPOSED FACP LOCATION. FIRE ALARM SYSTEM IS A DEFERRED SUBMITTAL TO BE PROVIDED BY AWARDED CONTRACTOR. SEE SPECIFICATIONS.
12. MACHINE ROOM-LESS ELEVATOR (REFER TO ELECTRICAL DOCUMENTS AND SPECIFICATIONS).
13. STAIR WITH HANDRAILS ON BOTH SIDES (REFER TO CODE ANALYSIS PLANS AND ACCESSIBILITY DETAILS).
14. PLASTIC LAMINATE CABINETS & COUNTERTOP (REFER TO INTERIOR ELEVATIONS AND DETAILS).
15. RECESSED SPECIMEN PASS THROUGH (AS SPECIFIED).
16. ACCESS CONTROLLED DOOR (REFER TO DOOR SCHEDULE AND ELECTRICAL DOCUMENTS).
17. MECHANICAL EQUIPMENT. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS.
18. [WOOD or STEEL] COLUMN (SEE STRUCTURAL).
19. VEGETATED GREEN ROOF SYSTEM (SEE LANDSCAPE PLANS & PLUMBING DOCUMENTS).
20. [CAST STONE or PRECAST CONCRETE] WUI COMPLIANT EXTERIOR DECKING (SEE EXTERIOR ELEVATIONS & DETAILS).
21. [other]

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ARCHITECT'S STAMP

LICENSED ARCHITECT
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PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

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REVISIONS

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A103

THIRD FLOOR PLAN

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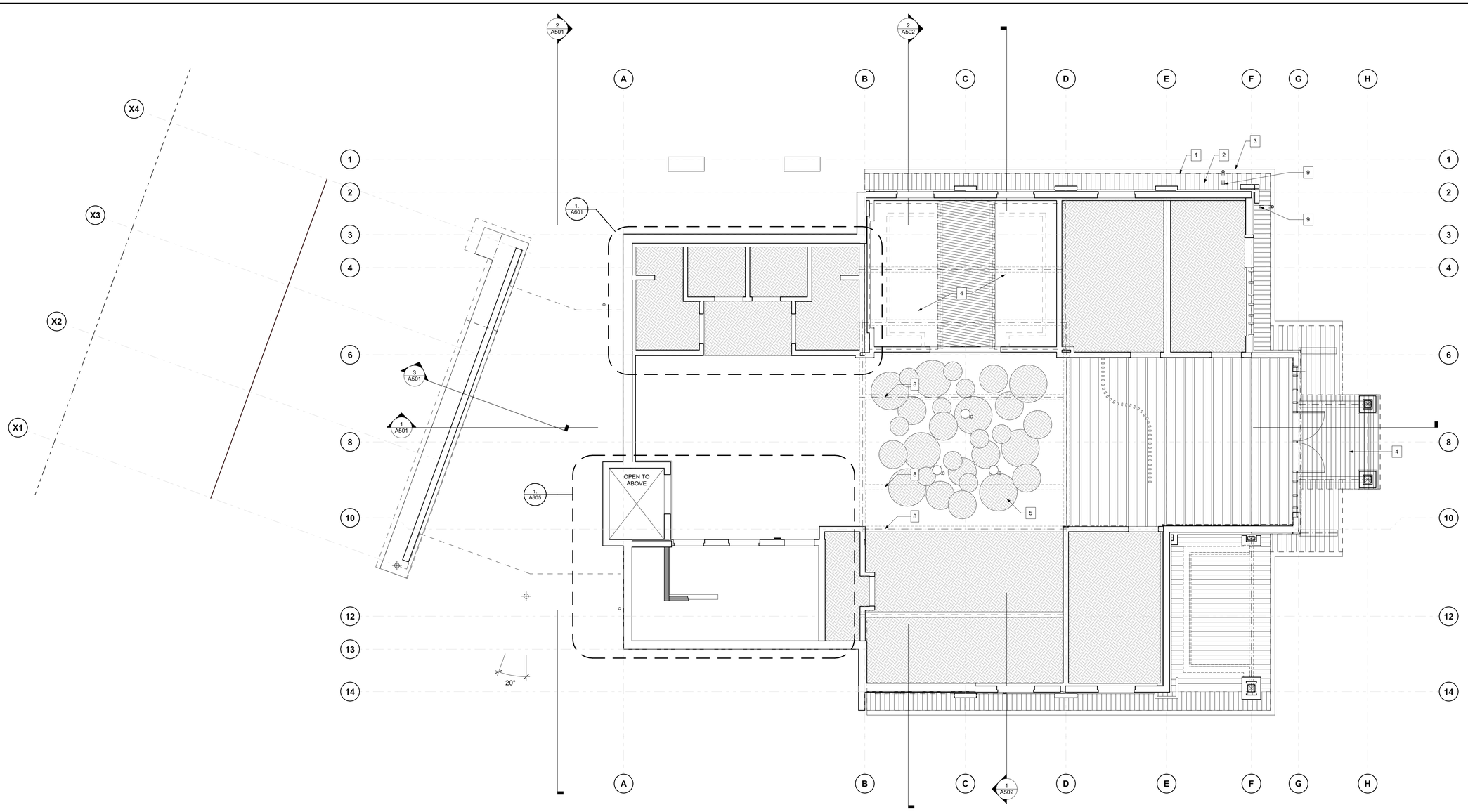

1 LOWER LEVEL REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

N

REFLECTED CEILING PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:
- REFER TO SHEET A700 FOR SUSPENDED CEILING DETAILS.
- REFER TO FINISH SCHEDULE ON SHEET A002.

KEYED:
1. FACE OF ROOF OVERHANG ABOVE.
2. FIBER-CEMENT SOFFIT PANEL (UNVENTED). REFER TO DETAILS.
3. METAL GUTTER W/ WUI-COMLIANT LEAF GUARD (TYP - SEE DETAIL ###).
4. SLOPED CEILING – REFER TO BUILDING SECTIONS AND INTERIOR ELEVATIONS.
5. SUSPENDED WOOD-FIBER CEILING CLOUD(S).
6. GYP BD SOFFIT (TP) (SEE DETAIL ###).
7. PROVIDE RACEWAY WITH JUNCTION BOX FOR FUTURE EXHIBIT LIGHTING INSTALLATION (SEE ELECTRICAL).
8. EXPOSED WOOD TRUSSES / JOISTS (SEE STRUCTURAL).
9. STD STL PIPE DOWNSPOUT (PT).
10. SUSPENDED ACOUSTICAL CEILING.
11. EXPOSED STRUCTURE (SEE STRUCTURAL).
12. REFER TO ELECTRICAL DOCUMENTS FOR WORK IN THIS AREA.
13. SUSPENDED CASSETTE UNIT (SEE MECHANICAL DOCUMENTS).
14. PROVIDE SIGNAGE IN ATTIC SPACE INDICATING THAT WALL IS A 1-HR FIRE-RATED ASSEMBLY AND THAT ANY OPENINGS OR PENETRATIONS SHALL BE PROTECTED PER CBC 703.7.
15. [other]

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ARCHITECT'S STAMP

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YUROK TRIBE
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-		-

PROJECT NO.	C1276
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A201

GROUND FLOOR REFLECTED CEILING PLAN

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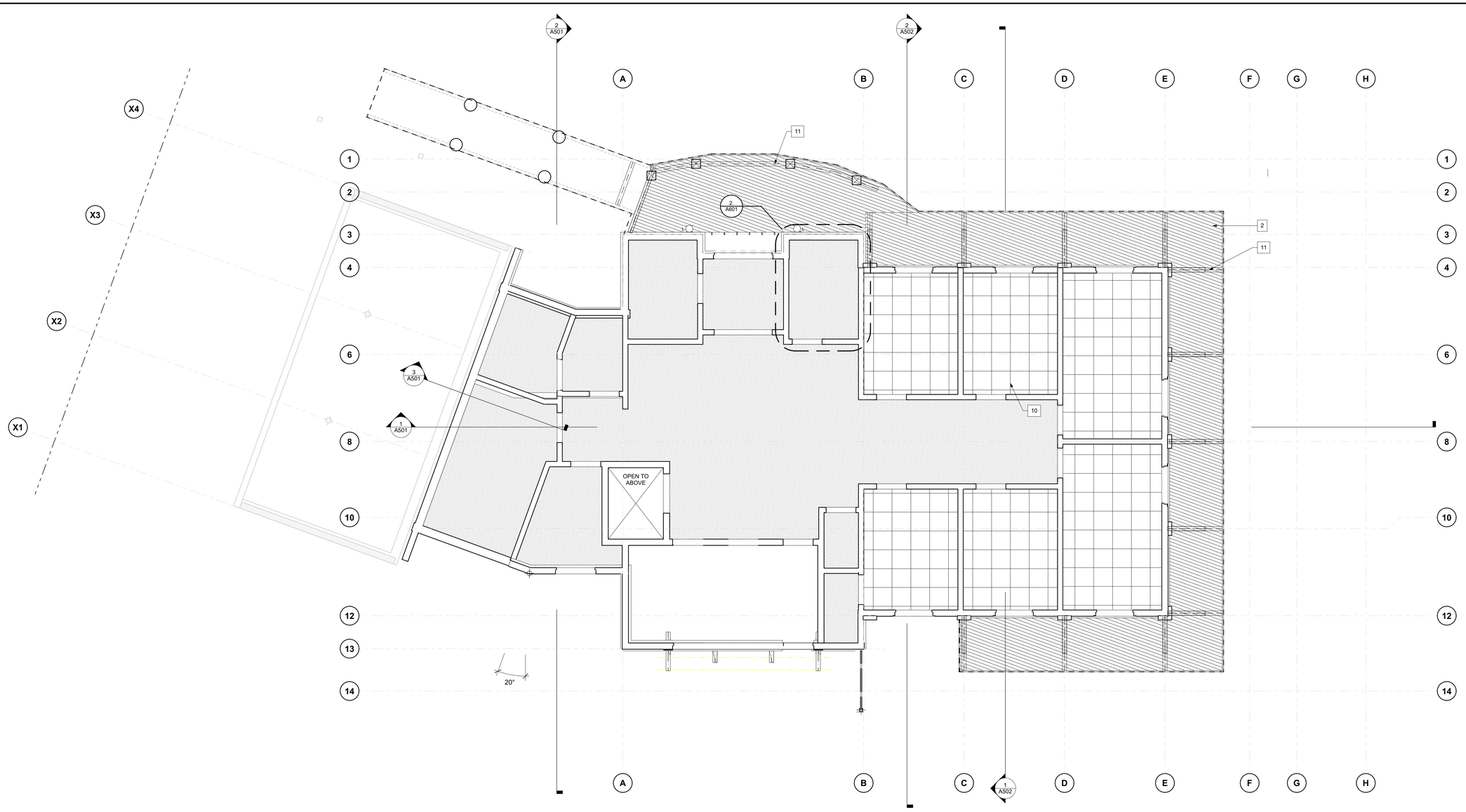

1 MIDDLE LEVEL REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

N

REFLECTED CEILING PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:
- REFER TO SHEET A700 FOR SUSPENDED CEILING DETAILS.
- REFER TO FINISH SCHEDULE ON SHEET A002.

KEYED:
1. FACE OF ROOF OVERHANG ABOVE.
2. FIBER-CEMENT SOFFIT PANEL (UNVENTED). REFER TO DETAILS.
3. METAL GUTTER W/ WUI-COMLIANT LEAF GUARD (TYP - SEE DETAIL ###).
4. SLOPED CEILING – REFER TO BUILDING SECTIONS AND INTERIOR ELEVATIONS.
5. SUSPENDED WOOD-FIBER CEILING CLOUD(S).
6. GYP BD SOFFIT (TP) (SEE DETAIL ###).
7. PROVIDE RACEWAY WITH JUNCTION BOX FOR FUTURE EXHIBIT LIGHTING INSTALLATION (SEE ELECTRICAL).
8. EXPOSED WOOD TRUSSES / JOISTS (SEE STRUCTURAL).
9. STD STL PIPE DOWNSPOUT (PT).
10. SUSPENDED ACOUSTICAL CEILING.
11. EXPOSED STRUCTURE (SEE STRUCTURAL).
12. REFER TO ELECTRICAL DOCUMENTS FOR WORK IN THIS AREA.
13. SUSPENDED CASSETTE UNIT (SEE MECHANICAL DOCUMENTS).
14. PROVIDE SIGNAGE IN ATTIC SPACE INDICATING THAT WALL IS A 1-HR FIRE-RATED ASSEMBLY AND THAT ANY OPENINGS OR PENETRATIONS SHALL BE PROTECTED PER CBC 703.7.
15. [other]

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ARCHITECT'S STAMP

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A202

SECOND FLOOR REFLECTED CEILING PLAN

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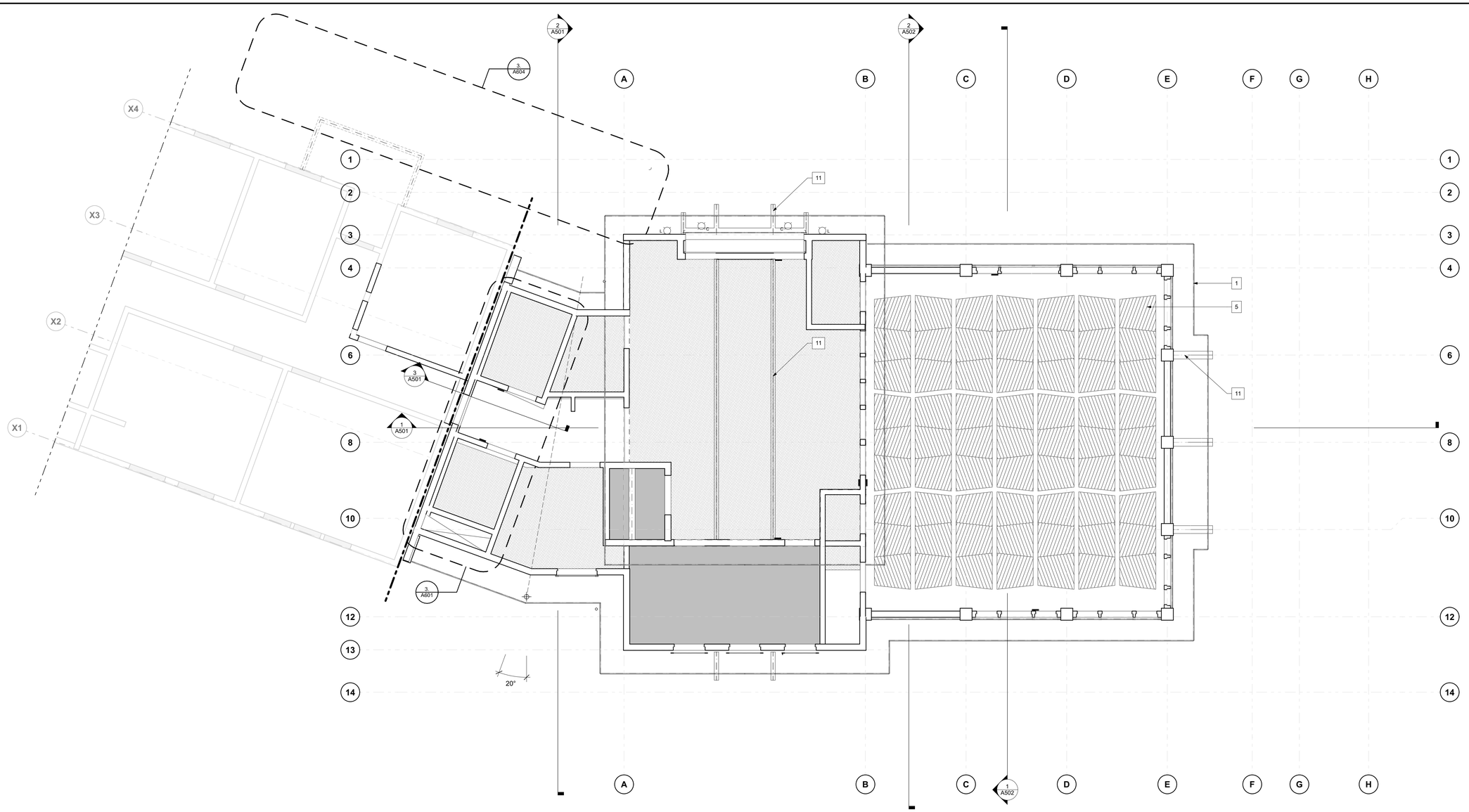

1 UPPER LEVEL REFLECTED CEILING PLAN

SCALE: 3/16" = 1'-0"

N

REFLECTED CEILING PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:
- REFER TO SHEET A700 FOR SUSPENDED CEILING DETAILS.
- REFER TO FINISH SCHEDULE ON SHEET A002.

KEYED:
1. FACE OF ROOF OVERHANG ABOVE.
2. FIBER-CEMENT SOFFIT PANEL (UNVENTED). REFER TO DETAILS.
3. METAL GUTTER W/ WUI-COMLIANT LEAF GUARD (TYP - SEE DETAIL ###).
4. SLOPED CEILING – REFER TO BUILDING SECTIONS AND INTERIOR ELEVATIONS.
5. SUSPENDED WOOD-FIBER CEILING CLOUD(S).
6. GYP BD SOFFIT (TP) (SEE DETAIL ###).
7. PROVIDE RACEWAY WITH JUNCTION BOX FOR FUTURE EXHIBIT LIGHTING INSTALLATION (SEE ELECTRICAL).
8. EXPOSED WOOD TRUSSES / JOISTS (SEE STRUCTURAL).
9. STD STL PIPE DOWNSPOUT (PT).
10. SUSPENDED ACOUSTICAL CEILING.
11. EXPOSED STRUCTURE (SEE STRUCTURAL).
12. REFER TO ELECTRICAL DOCUMENTS FOR WORK IN THIS AREA.
13. SUSPENDED CASSETTE UNIT (SEE MECHANICAL DOCUMENTS).
14. PROVIDE SIGNAGE IN ATTIC SPACE INDICATING THAT WALL IS A 1-HR FIRE-RATED ASSEMBLY AND THAT ANY OPENINGS OR PENETRATIONS SHALL BE PROTECTED PER CBC 703.7.
15. [other]

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A203

THIRD FLOOR REFLECTED CEILING PLAN

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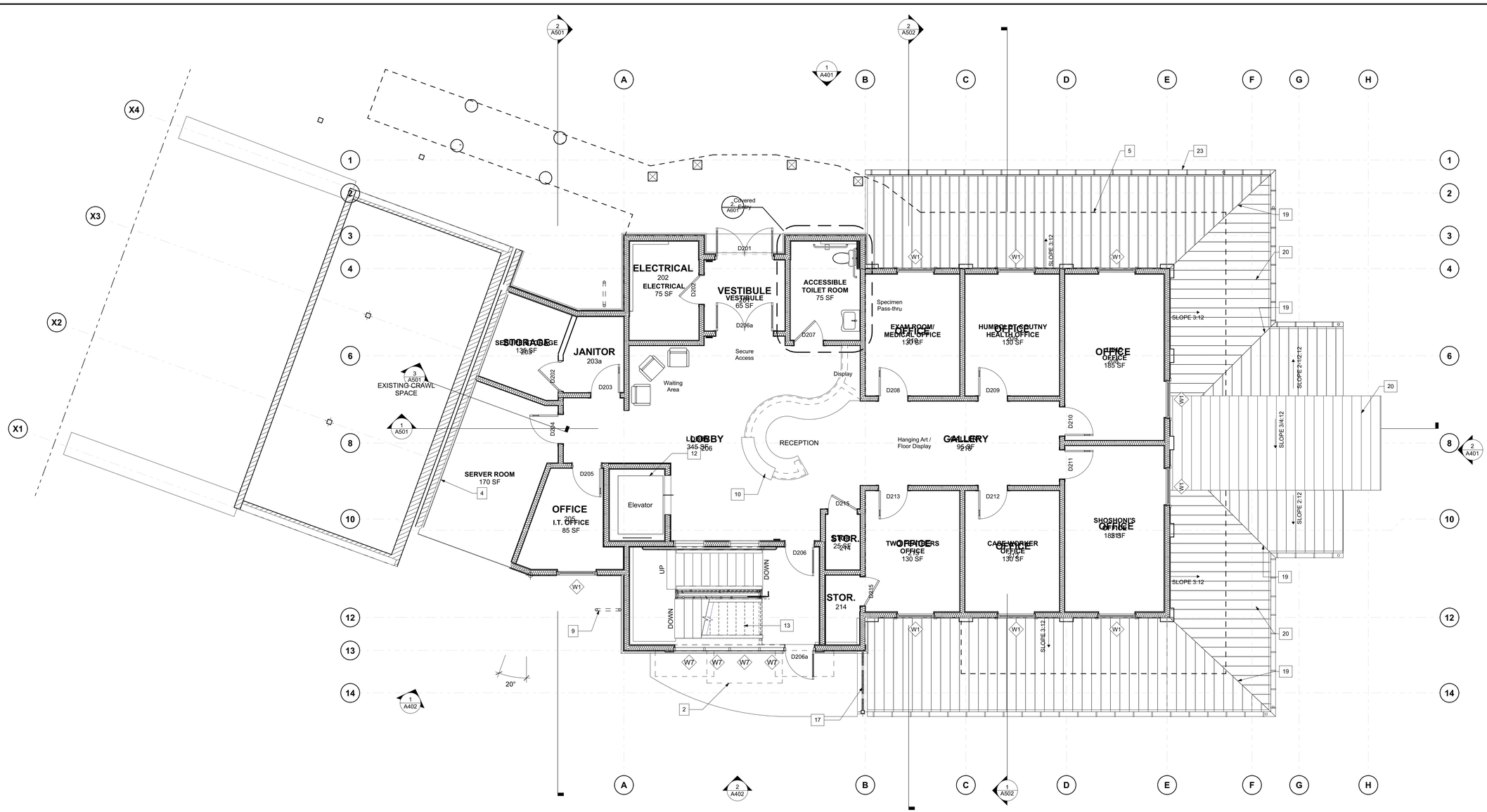

1 LOWER ROOF PLAN

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

N

ROOF PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:
- REFER TO ROOFING ASSEMBLIES SCHEDULE ON SHEET A###.
- PLUMBING VENT PIPING SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF AND NOT LESS THAN 12" FROM ANY VERTICAL SURFACE.
- PROVIDE SLOPE AS INDICATED ON PLAN (1/4" PER FOOT MINIMUM).
- ROOF PITCH IS 3:12 SLOPE U.N.O.

KEYED:
1. DASHED LINE IS FACE OF WALL OR COLUMN BELOW.
2. EXISTING ADJACENT BUILDING TO REMAIN. PROTECT FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION.
3. ROOF RIDGE (SEE DETAIL 4/A902).
4. FIRE WALL
5. SHT MTL COPING – TYP.
6. 22 GA STANDING SEAM METAL ROOFING (TYP).
7. APPROXIMATE LOCATION OF PLUMBING VENT ROOF PENETRATION (REFER TO DETAIL #/A### AND PLUMBING DOCUMENTS).
8. DASHED LINE IS EDGE OF LOWER ROOF BELOW.
9. 3" STD STL DOWNSPOUT (SEE DETAIL #/A###).
10. CONTINUOUS 22 GA SHT MTL GUTTER W/ LEAF GUARD AND DOWNSPOUTS (SEE DETAIL #/A###).
11. THIS LINE IS SLOPE BREAK IN TAPERED ROOF INSULATION.
12. PARAPET WALLS (SEE BUILDING SECTIONS AND DETAILS).
13. DASHED LINE IS DESIGNATED SOLAR ZONE (458 SF)).
14. EDGE OF BALCONY BELOW.
15. HATCHED SECTION SHOWS ROOF OF EXISTING BUILDING TO BE DEMOLISHED.

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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARC R. VAN DENBURG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

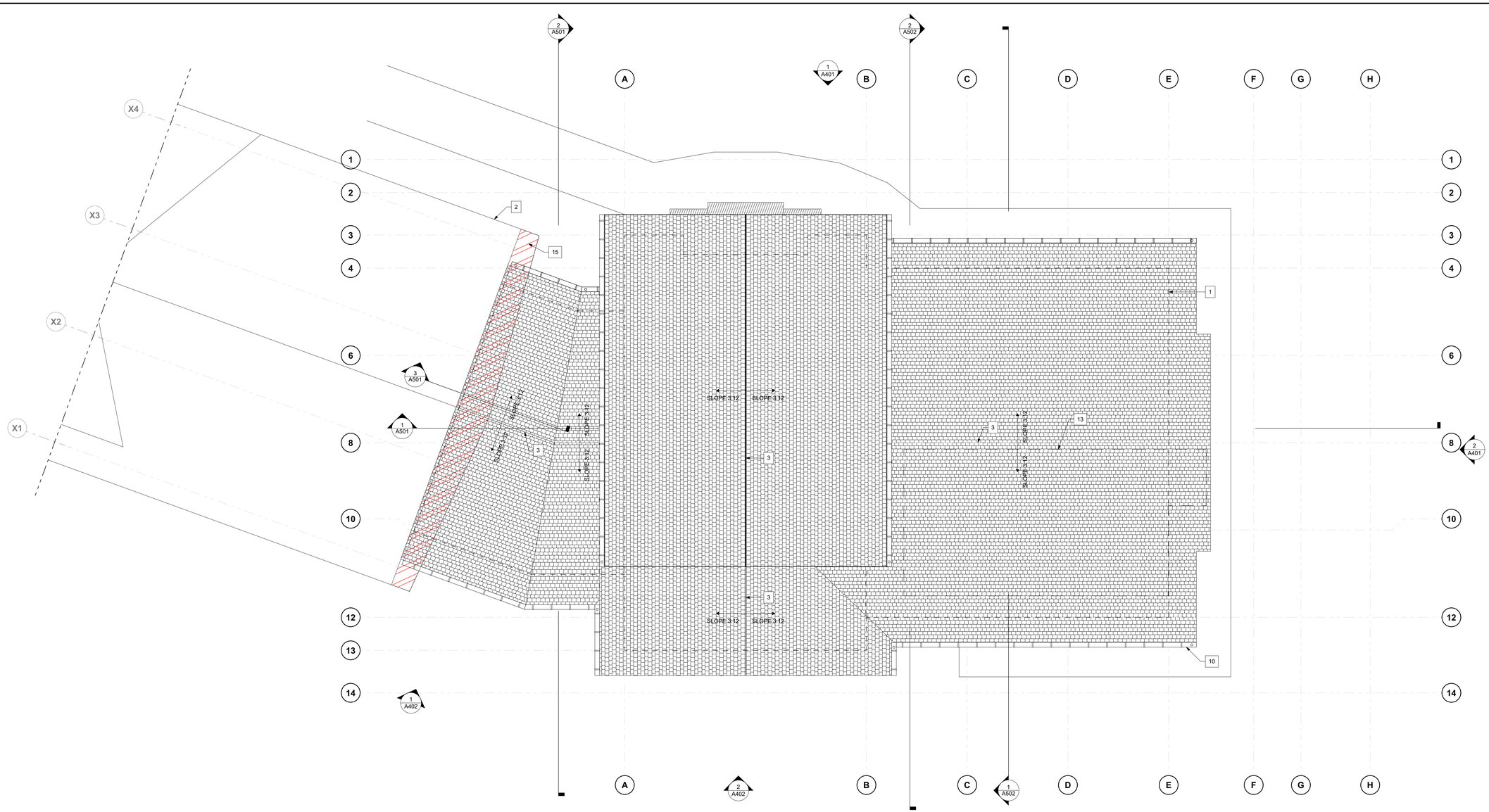
REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

A302

LOWER ROOF PLAN



1 ROOF PLAN

SCALE: 3/16" = 1'-0"

N

ROOF PLAN NOTES:

NOTHING IN THESE DRAWINGS OR NOTES SHALL BE CONSTRUED TO RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING THE SAFETY OF PERSONS AND PROPERTY.

GENERAL:
- REFER TO ROOFING ASSEMBLIES SCHEDULE ON SHEET A###.
- PLUMBING VENT PIPING SHALL TERMINATE NOT LESS THAN 6" ABOVE ROOF AND NOT LESS THAN 12" FROM ANY VERTICAL SURFACE.
- PROVIDE SLOPE AS INDICATED ON PLAN (1/4" PER FOOT MINIMUM).
- ROOF PITCH IS 3:12 SLOPE U.N.O.

KEYED:
1. DASHED LINE IS FACE OF WALL OR COLUMN BELOW.
2. EXISTING ADJACENT BUILDING TO REMAIN. PROTECT FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION.
3. ROOF RIDGE (SEE DETAIL 4/A902).
4. FIRE WALL.
5. SHT MTL COPING – TYP.
6. 22 GA STANDING SEAM METAL ROOFING (TYP).
7. APPROXIMATE LOCATION OF PLUMBING VENT ROOF PENETRATION (REFER TO DETAIL #/A### AND PLUMBING DOCUMENTS).
8. DASHED LINE IS EDGE OF LOWER ROOF BELOW.
9. 3" STD STL DOWNSPOUT (SEE DETAIL #/A###).
10. CONTINUOUS 22 GA SHT MTL GUTTER W/ LEAF GUARD AND DOWNSPOUTS (SEE DETAIL #/A###).
11. THIS LINE IS SLOPE BREAK IN TAPERED ROOF INSULATION.
12. PARAPET WALLS (SEE BUILDING SECTIONS AND DETAILS).
13. DASHED LINE IS DESIGNATED SOLAR ZONE (458 SF]).
14. EDGE OF BALCONY BELOW.
15. HATCHED SECTION SHOWS ROOF OF EXISTING BUILDING TO BE DEMOLISHED.

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A301

ROOF PLAN

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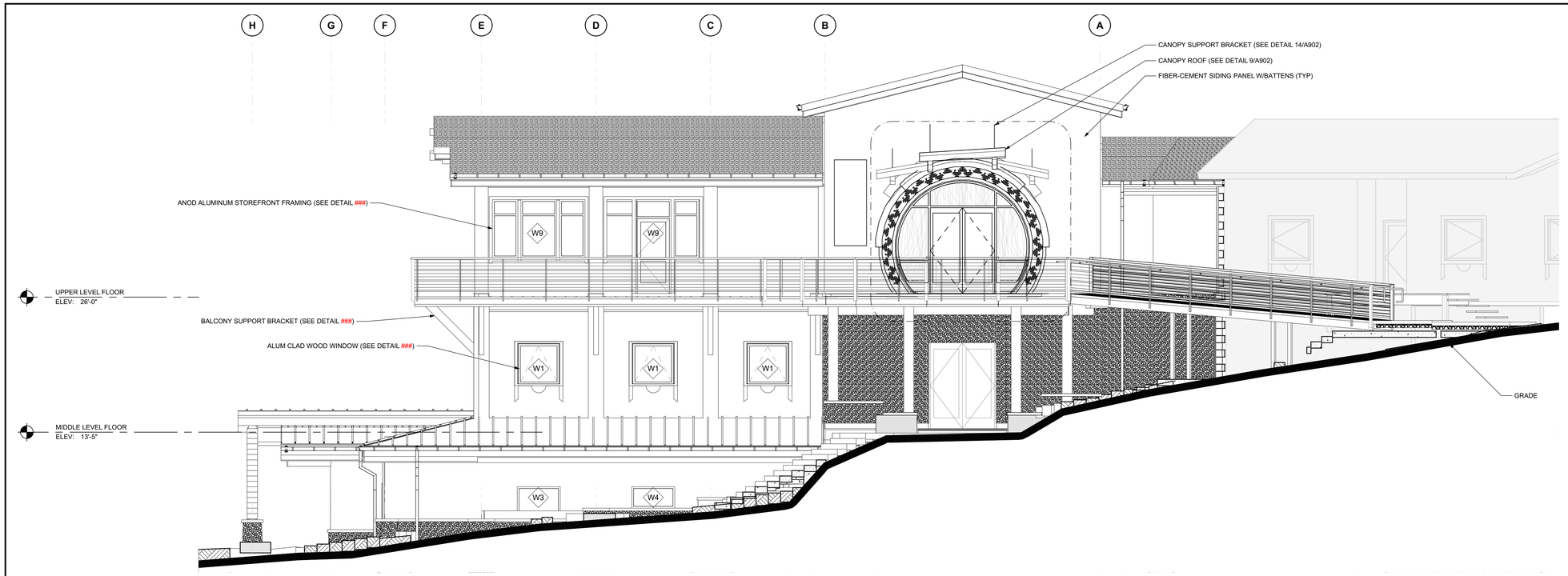
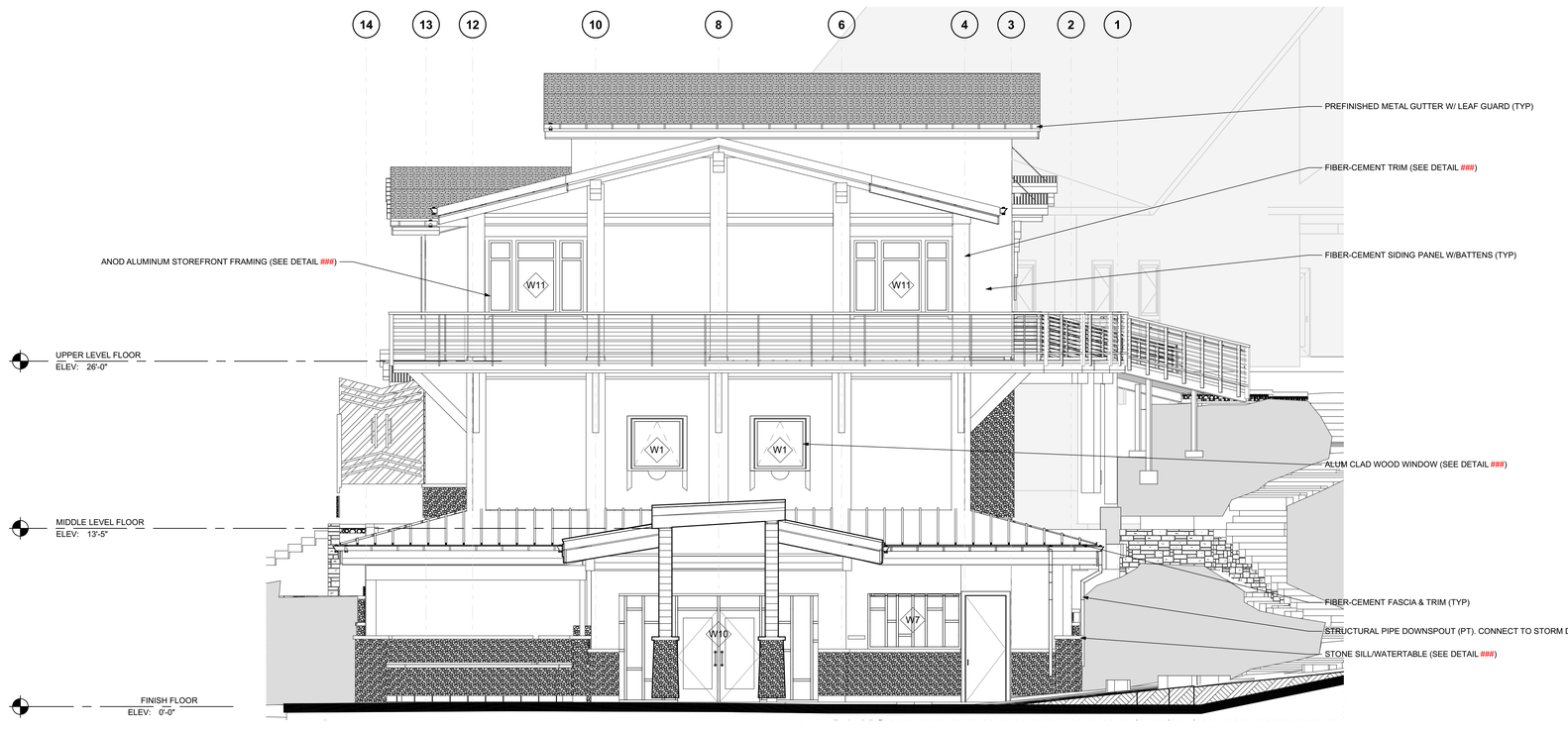


1 NORTH ELEVATION

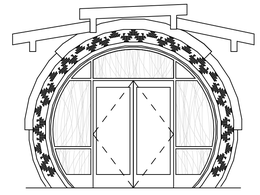
SCALE: 3/16" = 1'-0"

0 4' 8' 12'



2 EAST ELEVATION

SCALE: 3/16" = 1'-0"



3 PARTIAL ELEVATION @ ENTRY

SCALE: 3/16" = 1'-0"

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PROJECT NO. C1276
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ISSUE: FOR BID

SHEET NO.

A401

ELEVATIONS

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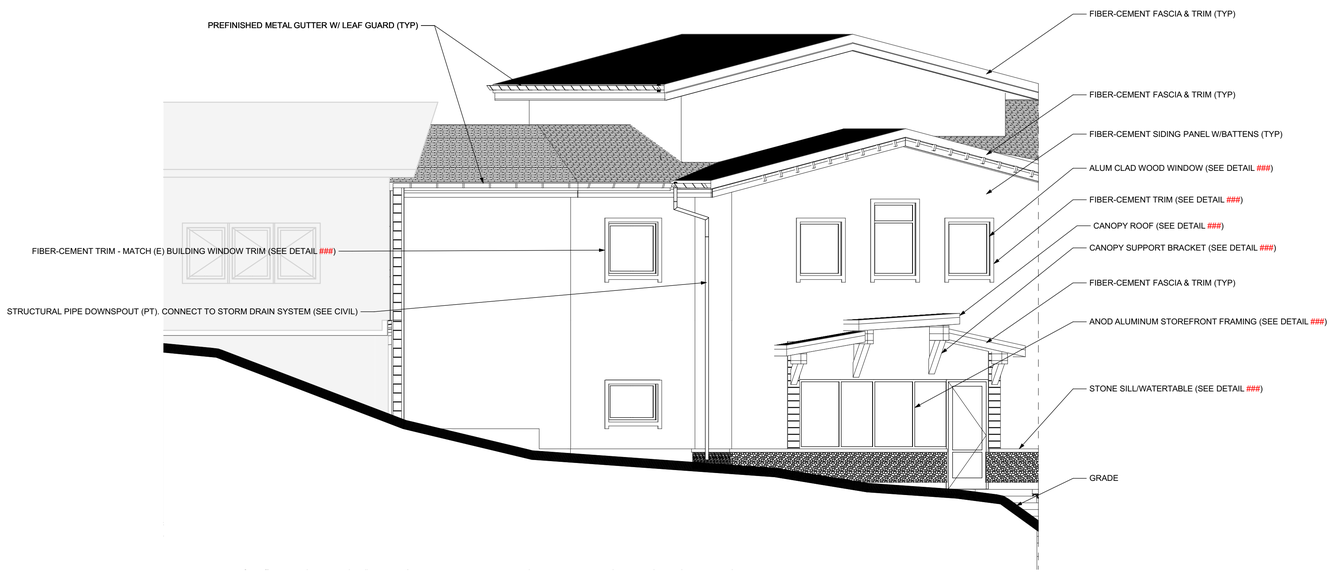
2 SOUTH ELEVATION

SCALE: 3/16" = 1'-0"



1 WEST ELEVATION

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

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A402

ELEVATIONS

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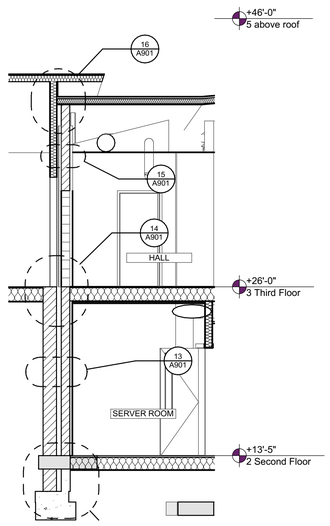
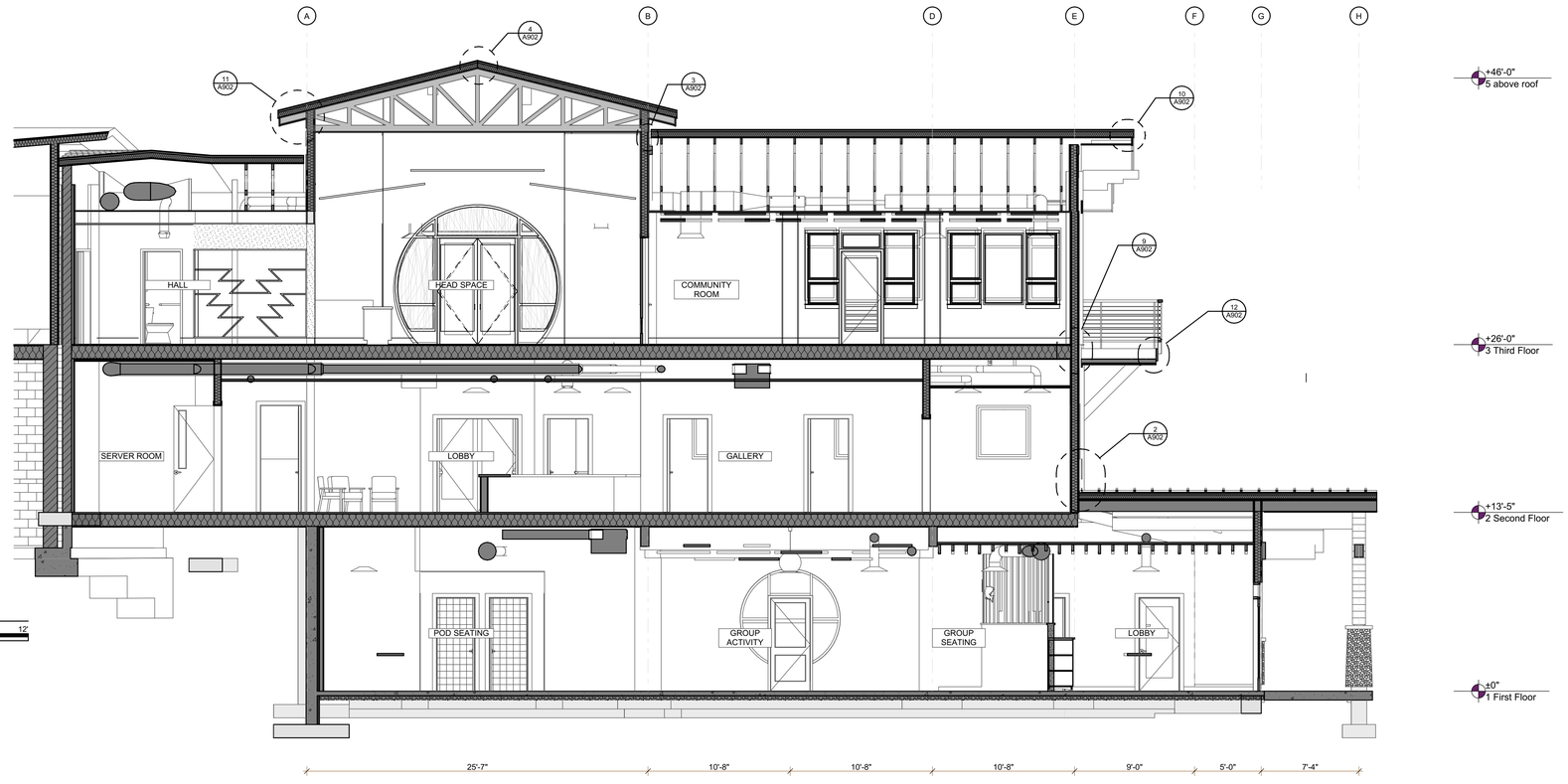


3 PERPINDICULAR TO FIRE WALL

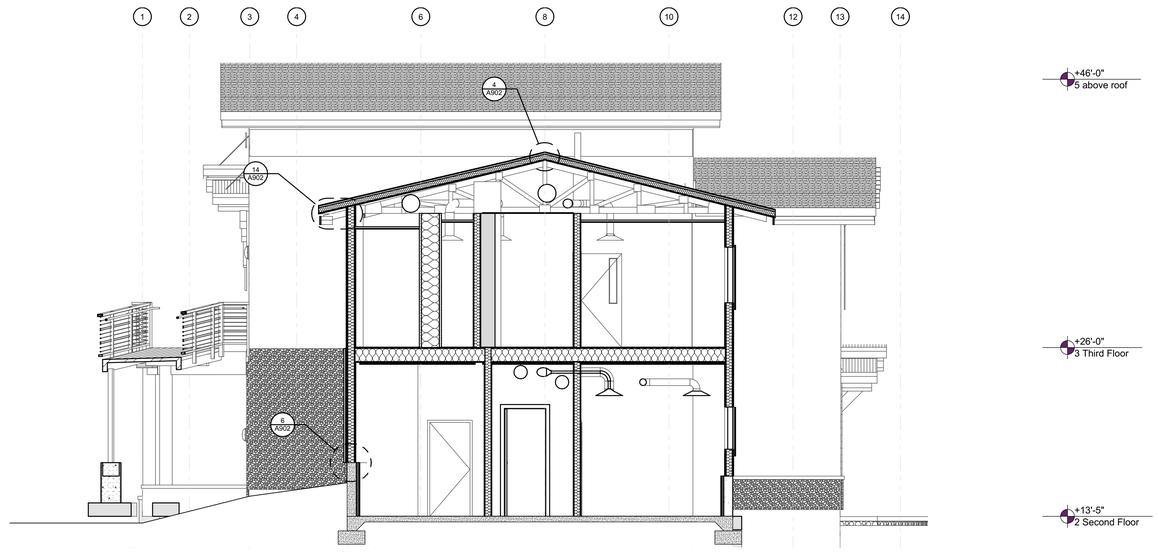
SCALE: 3/16" = 1'-0"

0 4' 8' 12'



1 BUILDING SECTION

SCALE: 3/16" = 1'-0"



2 BUILDING SECTION

SCALE: 3/16" = 1'-0"

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SHEET NO.

A501

SECTIONS

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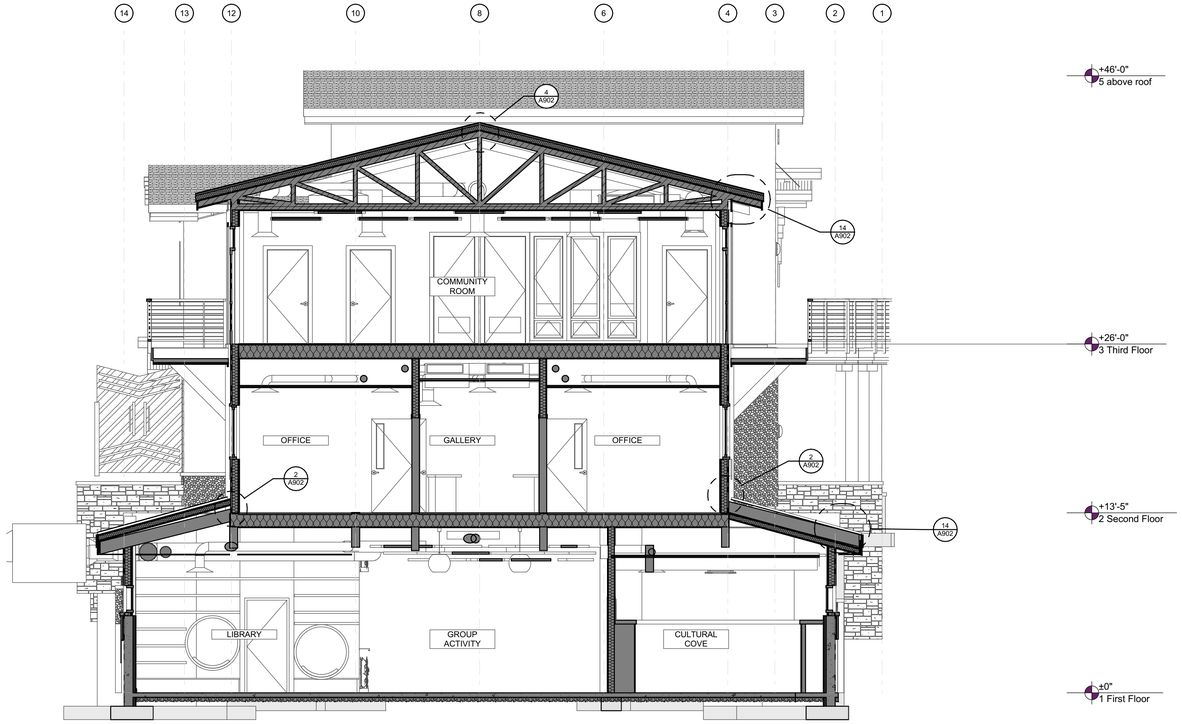
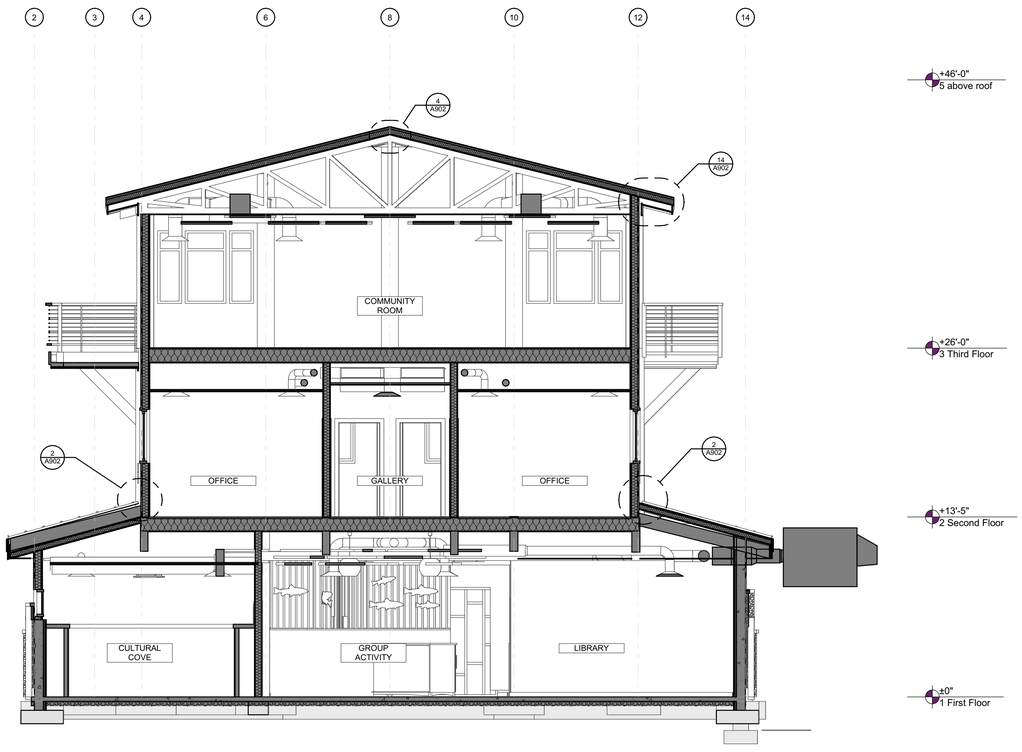


1 Section

SCALE: 3/16" = 1'-0"

0 4' 8' 12'



2 Section

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

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A502

SECTIONS

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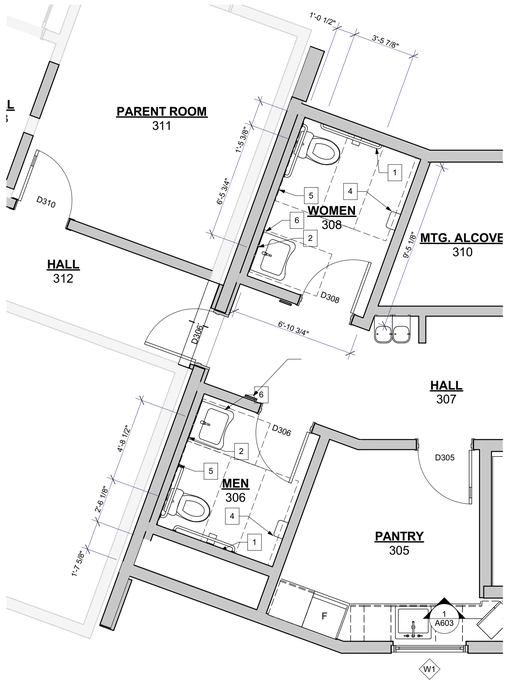
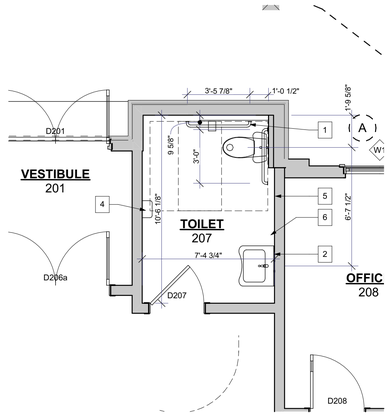


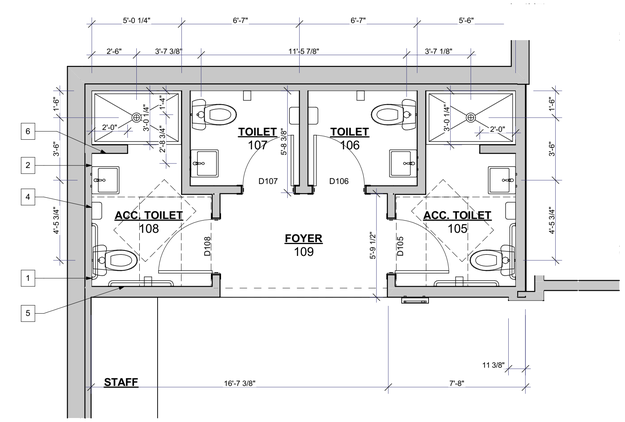
3 THIRD FLOOR - RESTROOMS

SCALE: 1/4" = 1'-0"



2 2ND FLOOR RESTROOM

SCALE: 1/4" = 1'-0"



1 GROUND FLOOR - RESTROOMS

SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES NOTES:

KEYED:

1. GRAB BARS (B-5897)
2. PACKAGE MIRROR UNIT (xxx) (FULL WIDTH OF SINK / COUNTERP, 18"x30" MIN.) (SEE DTL. X/A-XX FOR MNTG.)
3. NOT USED
4. ELECTRIC HAND DRYER (O.P.C.I.)
5. SANITARY NAPKIN DISPENSER (O.P.C.I.)
6. SOAP DISPENSER (O.P.C.I.)
7. TOILET PAPER DISPENSER (O.P.C.I.)
8. -
9. -
10. -

TOILET PARTITIONS SHALL BE HDPE SOLID PLASTIC, FLOOR-ANCHORED, OVERHEAD BRACED (SPEC). ACCESSIBLE TOILET STALL DOORS SHALL PROVIDE 34" MIN. CLEAR OPENING WIDTH, AND BE SELF CLOSING.

PROVIDE PIP INSULATION AT ALL EXPOSED PIPING, VALVES & TRAPS W/ FULLY MOLDED INSULATION KIT PER CBC REQ'S. (SPEC).

ALL TOILET ROOM DIMENSIONS ARE TO EDGE/FACE OF FINISH (U.N.O.). TOILET ROOM(S) SHALL BE FULLY ACCESSIBLE AND USABLE BY THE DISABLED IN COMPLIANCE WITH ALL APPLICAPBLE PROVISIONS OF THE CBC (MOST RECENT ADDITIONS). ALL FIXTURES NOTED TO BE ACCESSIBLE AND ALL ACCESSORIES / SPECIALITIES SHALL BE IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF THE CBC. REFER TO PLUMBING DOCUMENTS FOR FIXTURE INFORMATION.

REFER TO DETAIL XXX FOR MOUNTING HEIGHTS & LOCATIONS

REFER TO DETAIL XXX FOR MIRROR ATTACHEMENT DETAIL.

REFER TO DETAIL XXX FOR CLEARANCES AT WALL HUNG LAV. SINKS.

REFER TO PLUMBING PLAN ON SHEET PXX

NOTE: ALL TOILET ROOM ACCESSORIES TO BE PROVIDED BY OWNER. INSTALLATION SHALL COMPLY WITH MOUNTING HEIGHT, ATTACHMENT AND CLEARANCE REQUIREMENTS INDICATED BY THE DRAWINGS AND DETAILS HERIN, AND ALL APPLICABLE CODES AND STANDARDS.

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A601

ENLARGED PLANS & INTERIOR ELEVATIONS

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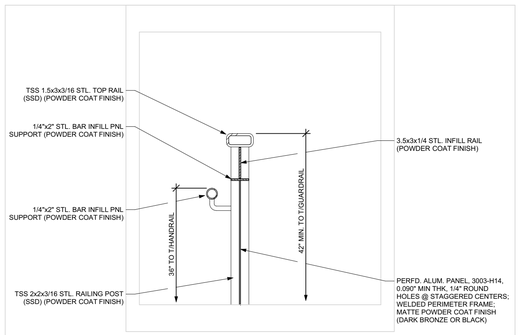
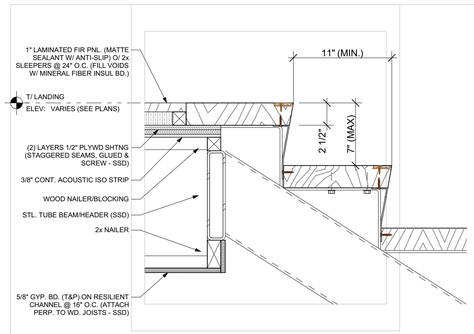


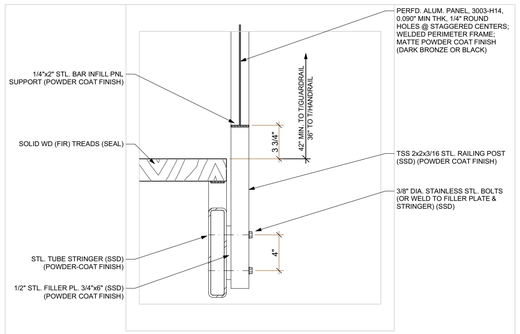
7 RAILINGS @ STAIRS

SCALE: 1 1/2"= 1'-0"



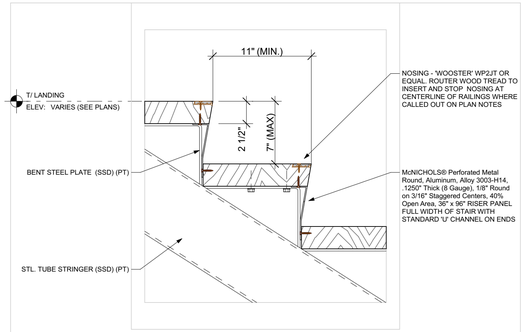
10 NOSING @ INTERMEDIATE LANDING

SCALE: 1 1/2"= 1'-0"



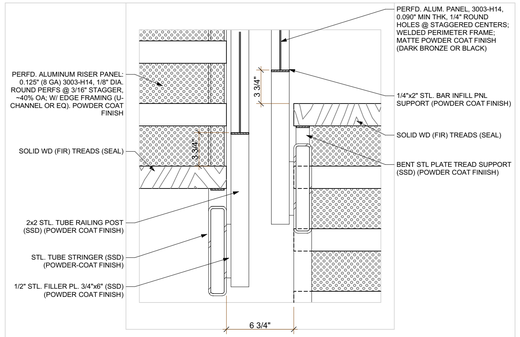
6 RAILING POST @ STAIRS

SCALE: 1 1/2"= 1'-0"



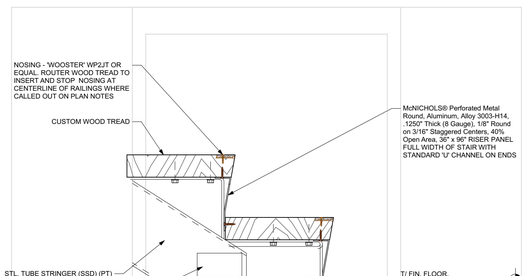
9 TYPICAL STAIR TREAD/RISER

SCALE: 1 1/2"= 1'-0"



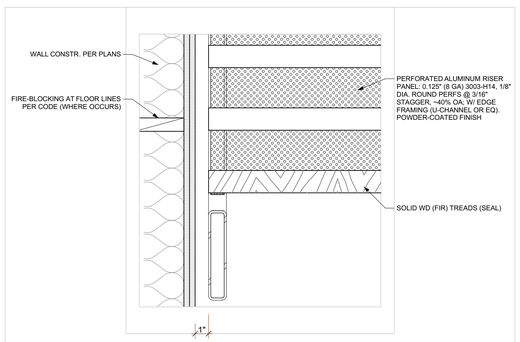
5 STAIR STINGERS @ GAP

SCALE: 1 1/2"= 1'-0"



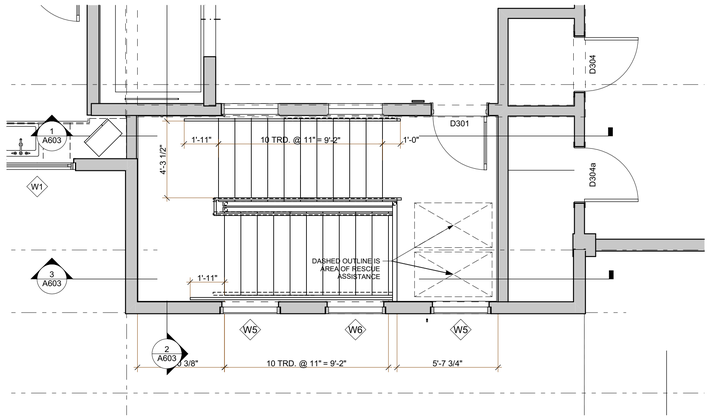
8 BOTTOM TREAD

SCALE: 1 1/2"= 1'-0"



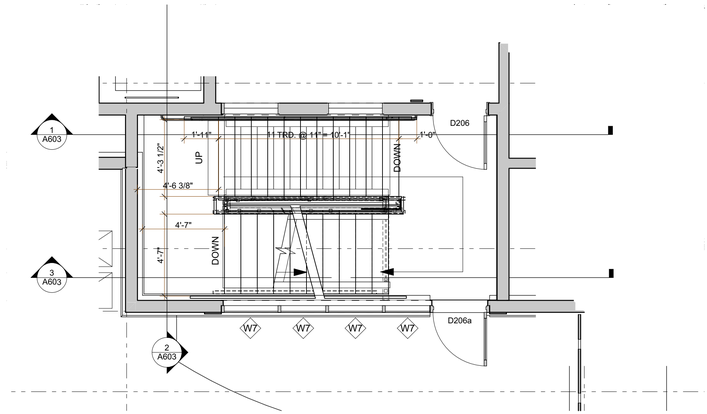
4 STAIR STINGER @ WALL

SCALE: 1 1/2"= 1'-0"



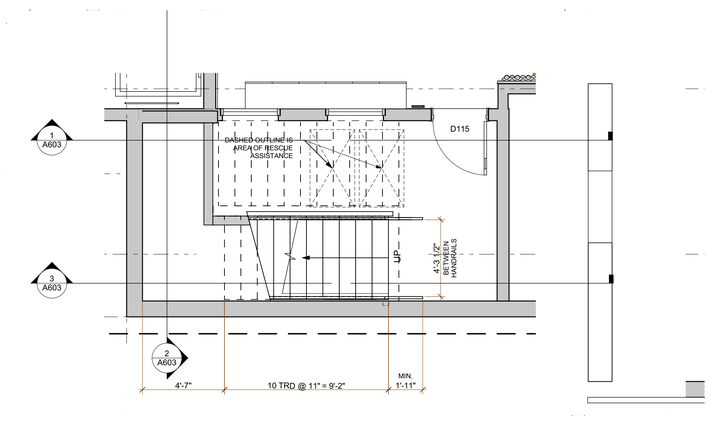
3 STAIR - THIRD FLOOR

SCALE: 1/4" = 1'-0"



2 STAIR - SECOND FLOOR

SCALE: 1/4" = 1'-0"



1 STAIR - GROUND FLOOR

SCALE: 1/4" = 1'-0"

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ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN DENBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: FOR BID

SHEET NO.

A602

ENLARGED STAIR & ELEVATOR PLANS & DETAILS

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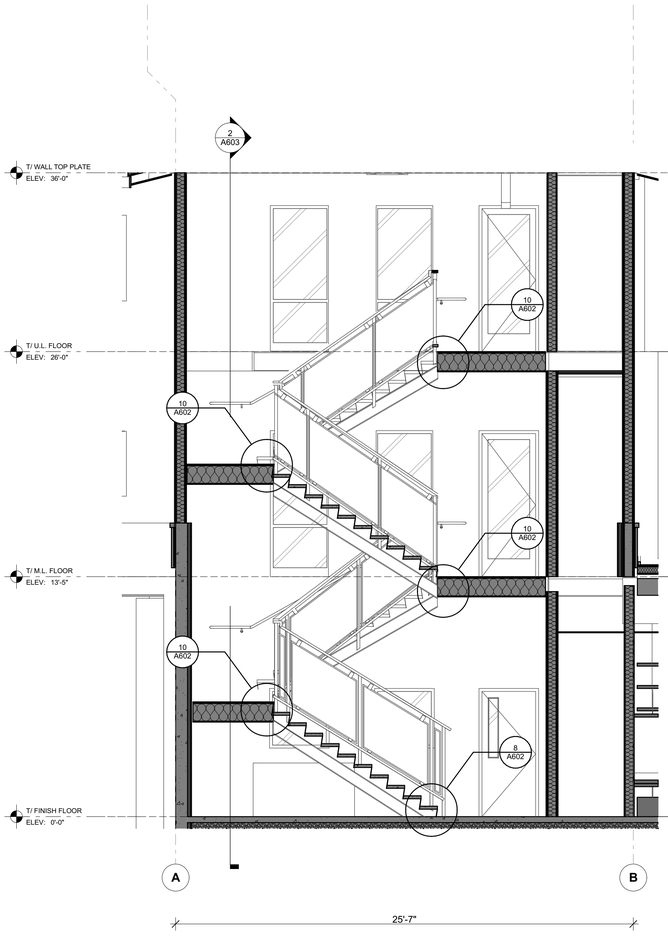
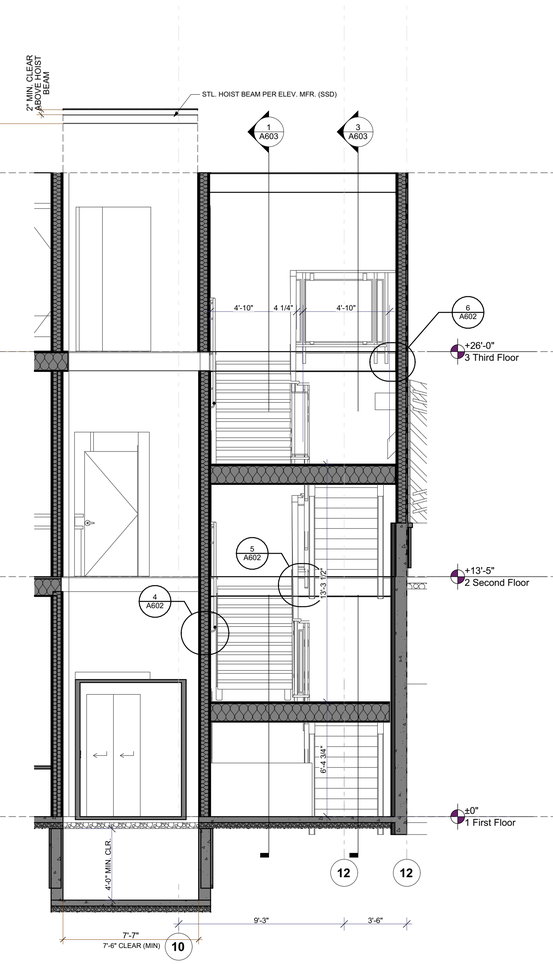


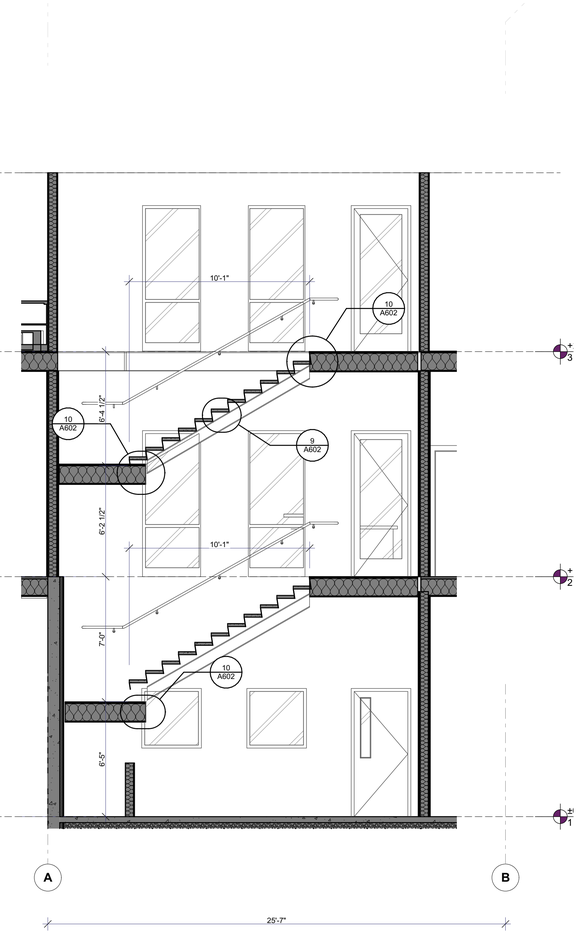
3 STAIR SECTIONS

SCALE: 1/4" = 1'-0"



2 STAIR SECTIONS

SCALE: 1/4" = 1'-0"



1 STAIR SECTIONS

SCALE: 1/4" = 1'-0"

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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARK R. VAN DENBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

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REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO.	C1276
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SHEET NO.

A603

STAIR & ELEVATOR SECTIONS & DETAILS

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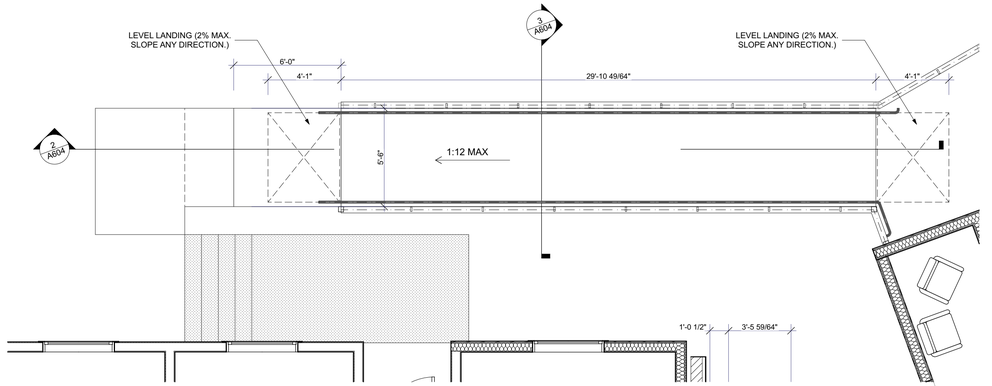
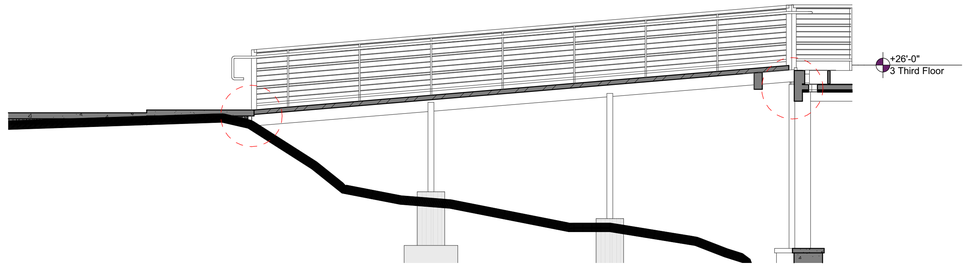


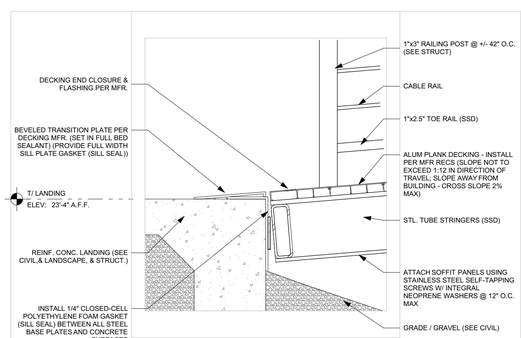
1 ENLARGED RAMP PLAN

SCALE: 1/4" = 1'-0"



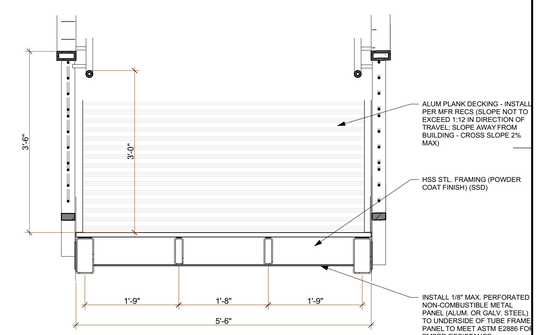
2 RAMP SECTION

SCALE: 1/4" = 1'-0"



4 RAMP LANDING

SCALE: 1 1/2"= 1'-0"



3 RAMP SECTION

SCALE: 3/4" = 1'-0"

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ARCHITECT'S STAMP

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MARC R. VAN DENBURG
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STATE OF CALIFORNIA

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YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

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A604

ENLARGED PLANS & INTERIOR ELEVATIONS

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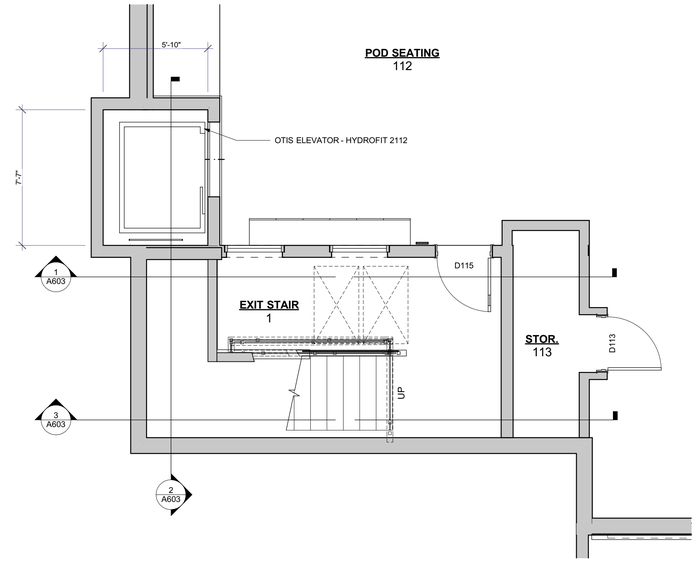

1 ELEVATOR PLAN

SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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LICENSED ARCHITECT
MARK R. VAN DENBURG
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RENEWAL DATE
STATE OF CALIFORNIA

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A605

ENLARGED PLANS & INTERIOR ELEVATIONS (1)

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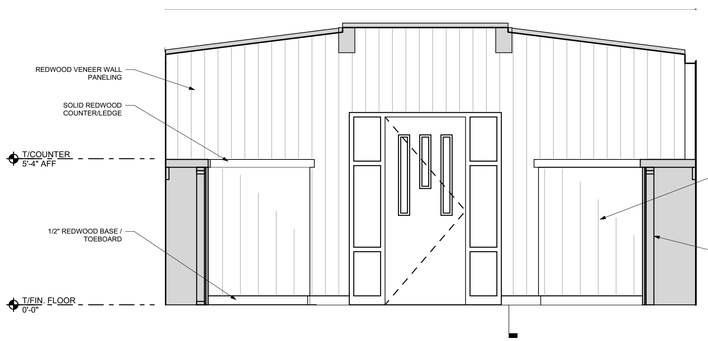
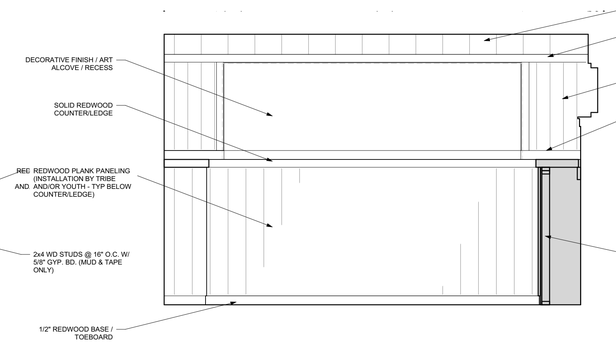
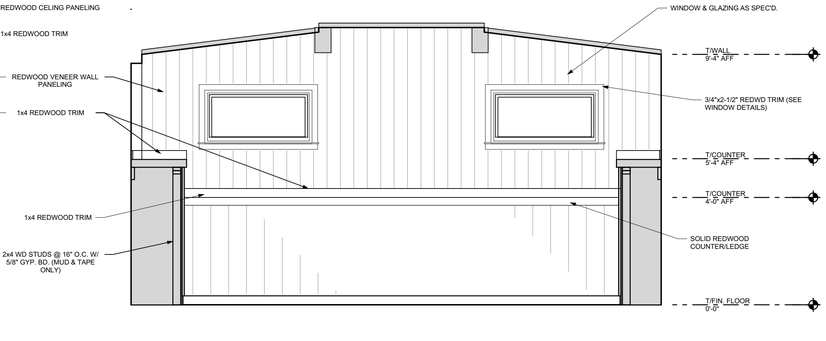


SOUTH ELEVATION



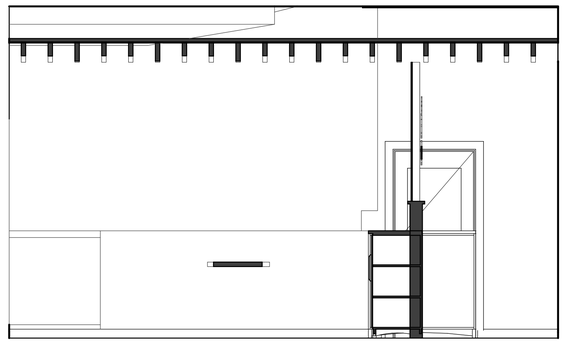
WEST ELEVATION

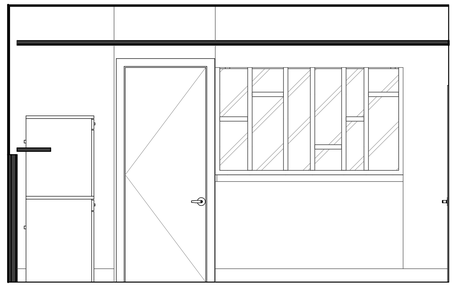


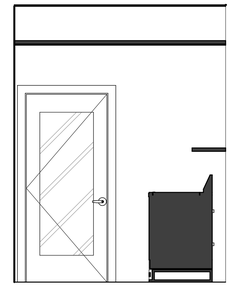
NORTH ELEVATION

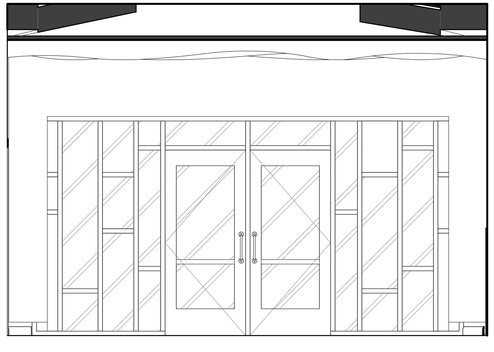
1 INTERIOR ELEVATIONS @ CULTURAL COVE

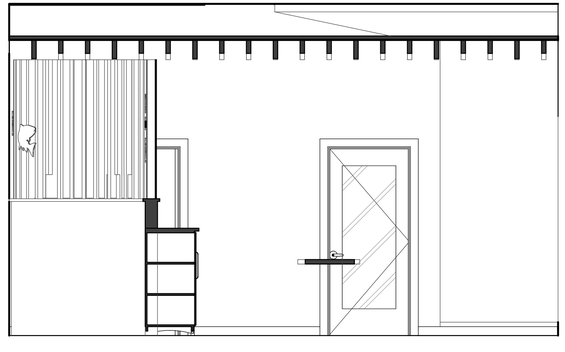
SCALE: 3/8" = 1'-0"







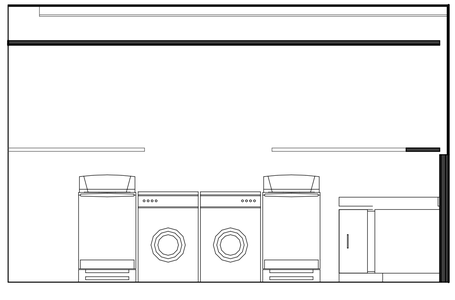


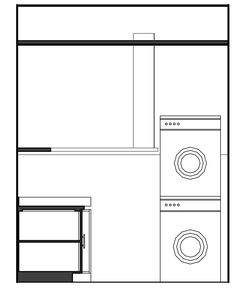


2 INTERIOR ELEVATIONS @ GROUND FLOOR RECEPTION

SCALE: 3/8" = 1'-0"

0 2' 4' 6'





3 LAUNDRY

SCALE: 3/8" = 1'-0"

0 2' 4' 6'

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REVISIONS

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PROJECT NO. C1276
DATE: 23-APRIL-2026
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A606

INTERIOR ELEVATIONS

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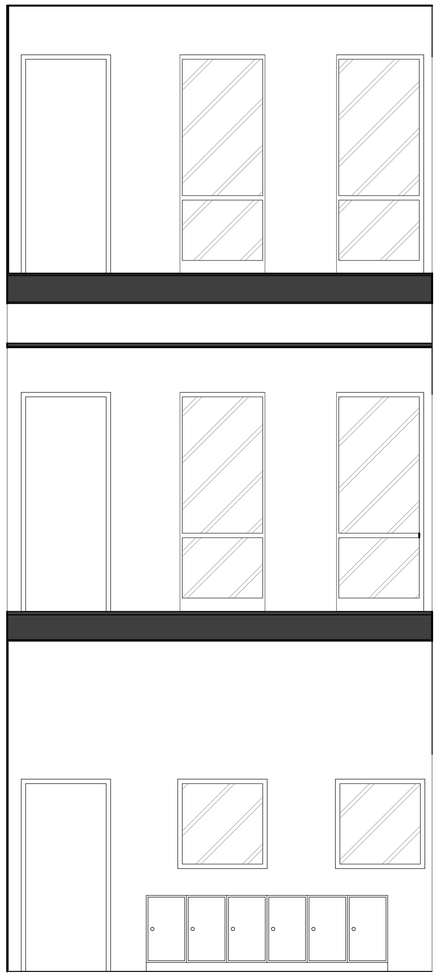
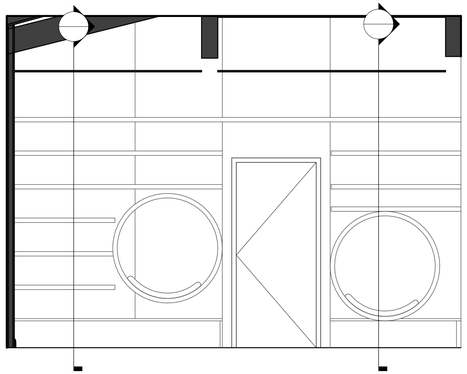
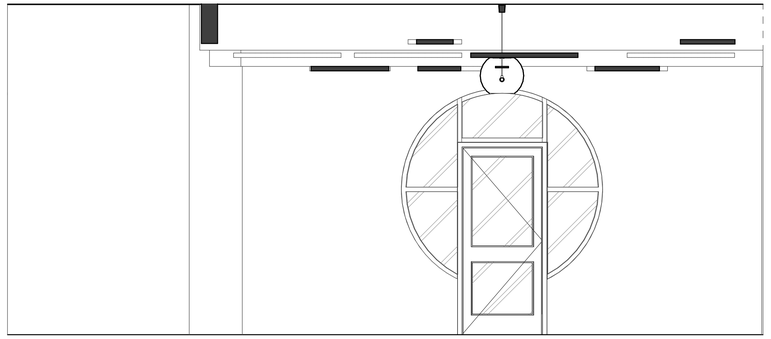
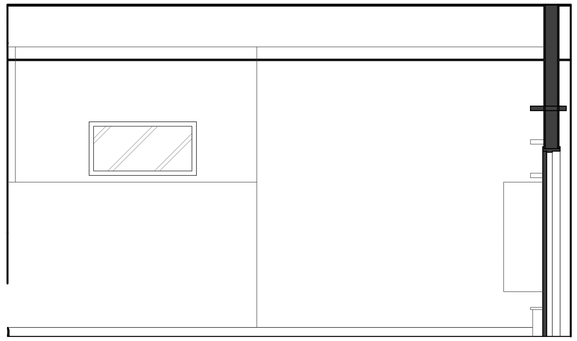


2 INTERIOR ELEVATION @ EXIT STAIR

SCALE: 3/8" = 1'-0"

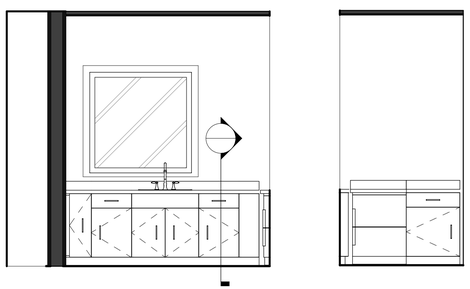






1 INTERIOR ELEVATIONS @ LIBRARY/RESOURCE

SCALE: 3/8" = 1'-0"



3 INTERIOR ELEVATIONS @ PANTRY

SCALE: 3/8" = 1'-0"

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ARCHITECT'S STAMP

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MARC R. VAN GENDEREN
BID SET
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PROJECT:

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INTERIOR ELEVATIONS

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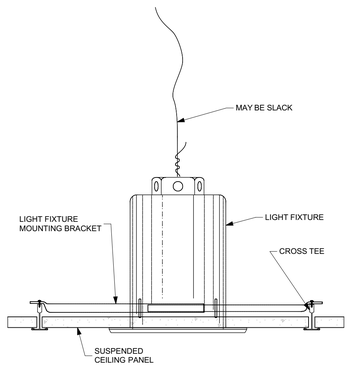
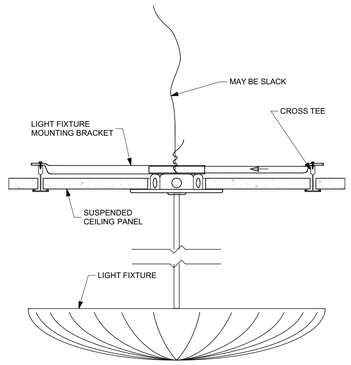
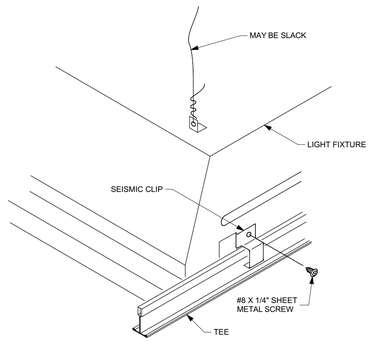


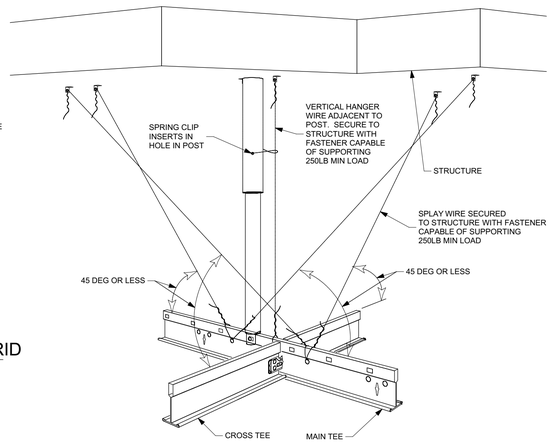
I CAN LIGHT FIXTURE
NTS



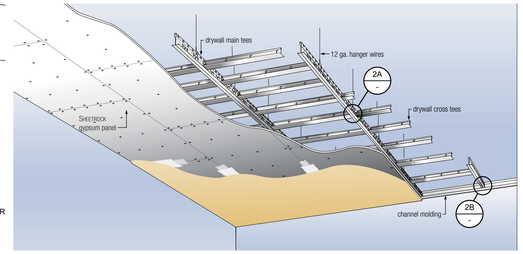
D PENDANT HUNG FIXTURES
NTS

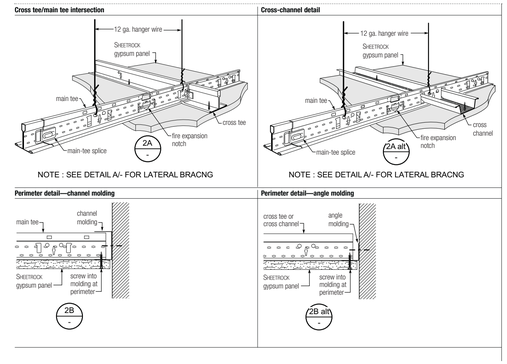


B TYPE G FIXTURE ATTACHED TO GRID
NTS

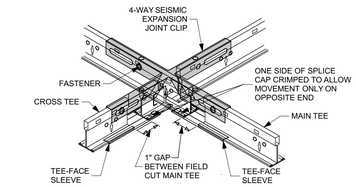


A LATERAL BRACING
NTS

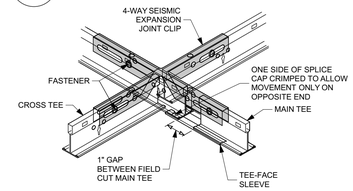




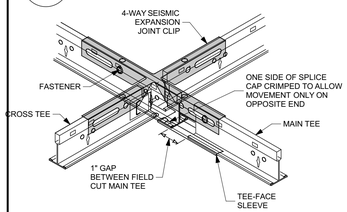
2 SUSPENDED GWB CEILING T-BAR FRAMING
NTS



J ADJACENT SEISMIC EXPANSION JOINT - OPTION B
NTS



K ADJACENT SEISMIC EXPANSION JOINT - OPTION A
NTS



L SEISMIC EXPANSION JOINT - OPTION B
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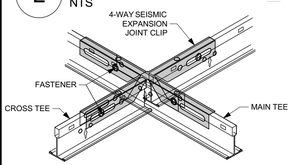

M SEISMIC EXPANSION JOINT - OPTION A
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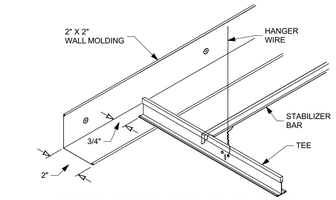
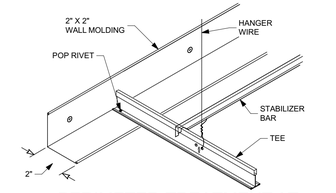
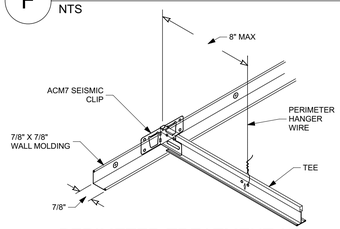


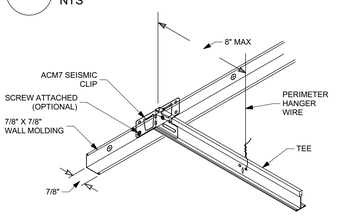
E PERIMETER TREATMENT AT FLOATING 2" MOLDING
NTS



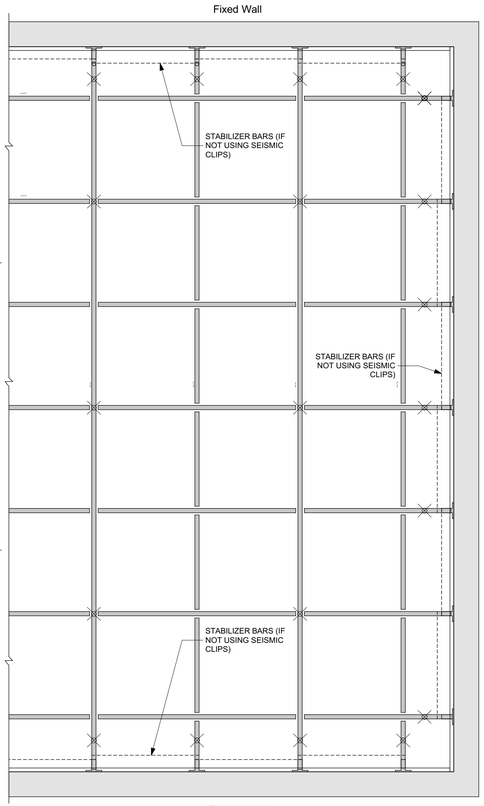
F PERIMETER TREATMENT AT FIXED WALL WITH 2" MOLDING
NTS



G PERIMETER TREATMENT AT FLOATING WALL WITH ACM7 SEISMIC CLIP
NTS



H PERIMETER TREATMENT AT FIXED WALL WITH ACM7 SEISMIC CLIP
NTS



1 CEILING LAYOUT
NTS

12-gauge hanger wire
ACM7 seismic clip
ACM7 seismic clip or riveted

CBC CATEGORY D,E,F LAY-IN ACOUSTICAL PANELS

BASIC CONNECTION, PERIMETER AND LATERAL SPLAY BRACING	REQUIREMENT
-Minimum intersection strength limits @ MT / CT	250 lbs
-Vertical hanger wire 12-gauge @ 4' o.c.	Required
-Connection device from vertical wire to the structure above must sustain min 100 lbs	Required
-Main tee classifications	Heavy-duty
-1 in 6 max plumb of vertical hanger wires	Required if perimeter hanger wires are used
-Perimeter vertical hanger wires not more than 8" from wall	Required
-Grid end/wall clearance	Min 3/4"
-Perimeter closure (molding) width	Min 2" or min 7/8" with USG 'ACM7 Seismic Clip'
-Grid connection to perimeter attached on two adjacent walls	Required
-Perimeter tee ends tied together	Required (USG 'ACM7 Seismic Clip' satisfies this requirement)
-Horizontal restraint (splay wires or rigid bracing) within 2" of intersection and splayed 90° apart at 45° angles	Required
-Compression posts (struts) 12' o.c. in both directions, starting 6' from walls	Required
-Splay bracing connection strength 250 lbs or the design load, whichever is greater	Required
-Partition attachment	Bracing independent of ceiling splay bracing
-Seismic separation joint (where substantiating design calculations are not provided	Required for areas > 2,500 sq. ft. (or full height partition)
-Rigid bracing for ceiling plane elevation changes	Required

LIGHT FIXTURE ATTACHMENT	REQUIREMENTS
-Light fixture (all types) mechanically attached to grid NEC 410-16 (two per fixture unless independently supported)	Required
-Surface-mounted fixtures attached to grid	Not required
-Pendant-hung fixtures directly supported from structure with 9-gauge wire (or approved alternative)	Required
-Rigid lay-in or can light fixtures	
≤ 10 lbs – one wire to structure (may be slack)	Required
11 to 56 lbs – two wires from housing to structure (may be slack)	Required
≥ 57 lbs – supported directly to structure by approved	Required

LIGHT FIXTURE SUPPLEMENTARY HANGER WIRES	REQUIREMENTS
-Intermediate Duty Main Tees with cross tee rating below 16 lbs./LF	Required
Min. 12-gauge hanger wires must be attached to the grid members within 3 inches of each corner of each light fixture.	
-Heavy Duty Main Tees with cross tee rating below 16 lbs./LF	Required
Min. 12-gauge hanger wires must be attached to the supporting cross tee within 3 inches of the corner of each light fixture.	
-Supplementary hanger wires for Heavy Duty Main Tees with cross tee rating equal to 16 lbs./LF	Not Required

SERVICE APPLICATIONS	REQUIREMENTS
-Air terminals	
≤ 20 lbs – positively attached to grid	Required
21 to 56 lbs – positively attached to grid and two wires to structure (may be slack)	Required
≥ 57 lbs – directly supported to structure	Required
-Sprinkler heads and other penetration clearance	Required
-Cable trays and electrical conduit independently supported and braced	Required

GENERAL NOTES
A. Jurisdictions using CBC 2013 follow ASCE 7-10, Section 13.5.6 and ASTM E580 (which has replaced the CISCA documents).

COMPRESSION POST ALTERNATE MATERIALS

The USG Donn Brand compression post is an engineered solution designed to work with USG Donn Brand Suspension Systems when required by code. The USG Donn Brand compression post is an option for almost every project, however it is not necessary to use the USG Donn Brand compression post when installing USG Donn Brand Suspension Systems. Any steel member with sufficient strength is allowed by code and may be suitable for use as a compression post. Below are some common, light gauge steel members provided by others that are typically used as alternates for compression posts and their typical associated allowable lengths.

Alternative Material	Typical Allowable Length	Alternative Material	Typical Allowable Length
13/16" x 13/32" Strut 19 GA	24"	3-5/8" x 1-1/4" 18GA Stud (362S125-43)	84"
1-1/2" x 9/16" x 0.059" Channel	33"	1-1/4" x 1-1/4" Strut 14 GA	84"
(2) 3/4" x 1/2" x 0.059" Channel, Back to Back	39"	3-5/8" x 1-1/4" 20GA Stud (362S125-30)	85"
(2) 1-1/2" x 9/16" x 0.059" Channel, Back to Back	44"	2-1/2" x 1-1/4" 25GA Stud (250S125-18)	87"
1/2" Diameter EMT Conduit, 0.042" Wall Thickness	47"	158STS 1-5/8" x 1-1/4" x 0.0197" Channel	90"
3/4" x 1/2" x 0.059" Channel	47"	1-3/8" x 1-5/8" Strut 12 GA	96"
13/16" x 1-5/8" Strut 12 GA	48"	1-1/4" x 2-1/2" Strut 14 GA	96"
13/16" x 1-5/8" Strut 14 GA	48"	1-5/8" x 1-3/8" Strut 12 GA	96"
1-1/4" x 3/4" Strut 14 GA	48"	1-1/4" Diameter EMT Conduit, 0.065" Wall Thickness	102"
1-1/4" x 5/8" Strut 19 GA	48"	1-5/8" x 1-5/8" Strut 14 GA	108"
1-5/8" x 13/16" Strut 14 GA	48"	1-5/8" x 1-5/8" Strut 12 GA	108"
1-5/8" x 13/16" Strut 12 GA	48"	1-1/2" Diameter EMT Conduit, 0.065" Wall Thickness	118"
13/16" x 13/16" Strut 19 GA	54"	3-1/4" x 1-5/8" Strut 12 GA	120"
1" x 1-5/8" Strut 12 GA	60"	2-7/16" x 1-5/8" Strut 12 GA	120"
1-5/8" x 7/8" Strut 12 GA	60"	1-5/8" x 1-5/8" Strut 16 GA	120"
1-5/8" x 13/16" Strut 16 GA	60"	1-5/8" x 3-1/4" Strut 12 GA	120"
1-5/8" x 1" Strut 12 GA	60"	1-5/8" x 2-7/16" Strut 12 GA	120"
3/4" Diameter EMT Conduit, 0.049" Wall Thickness	61"	(2) 158STS 1-5/8" x 1-1/4" x 0.0197" Channel, Back to Back	130"
1" Diameter EMT Conduit, 0.057" Wall Thickness	78"	2" Diameter EMT Conduit, 0.065" Wall Thickness	150"
3-5/8" x 1-1/4" 16GA Stud (362S125-54)	82"		

Notes
1. The information provided is for quick reference only. Other restrictions and exemptions may apply.
2. All struts and allowable lengths should be verified by a design professional before use.
3. Wind loads may exceed seismic loads. The distances above may not be suitable for exterior use.
4. Wall molding should not be used as struts.
5. A structural engineer should be consulted for lengths greater than 14ft.

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LICENSED ARCHITECT MARC R. VAN GENDEREN
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

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REVISIONS

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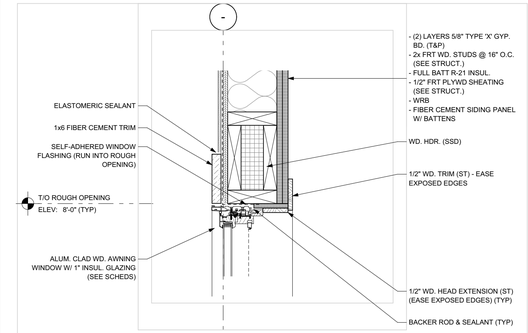
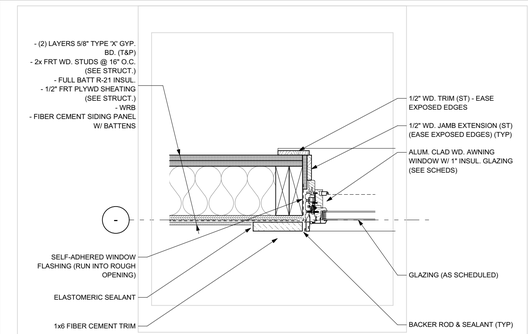


4 SECTION DETAIL @ WINDOW HEAD

SCALE: 1 1/2"= 1'-0" FIXED SIMILAR (REFER TO PLANS, SCHEDULES & ELEVATIONS FOR OPERATION)



3 SECTION DETAIL @ WINDOW JAMB

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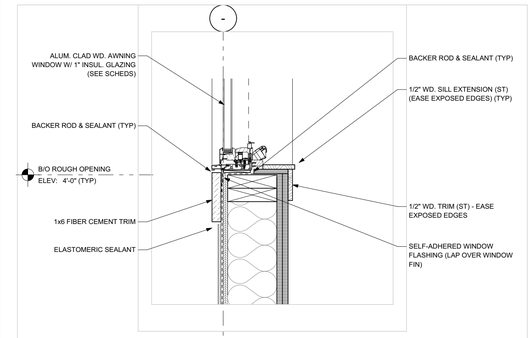

2 SECTION DETAIL @ WINDOW SILL

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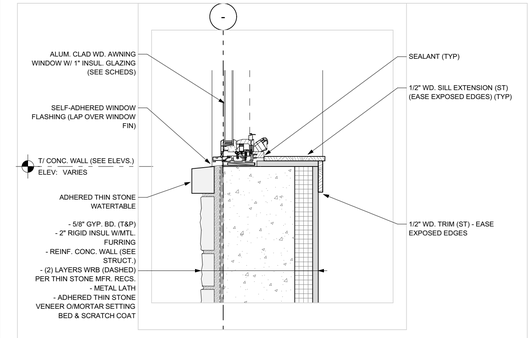

1 DETAIL @ STONE SILL

SCALE: 1 1/2"= 1'-0" FIXED SIMILAR (REFER TO PLANS, SCHEDULES & ELEVATIONS FOR OPERATION)

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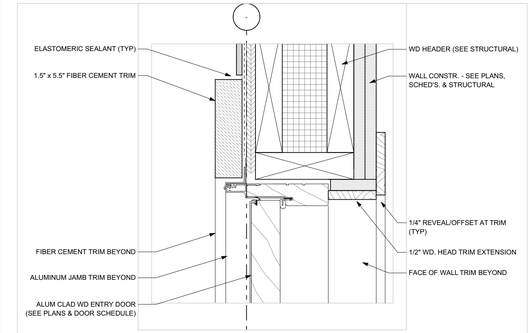
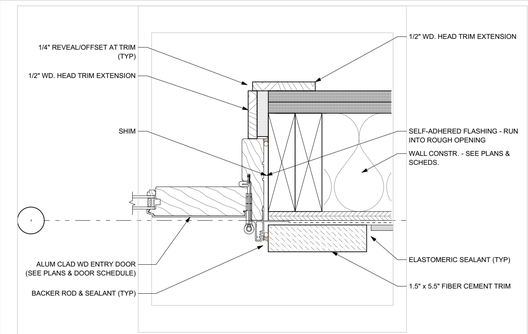


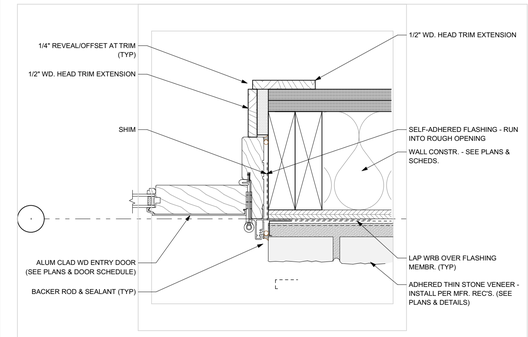
4 DOOR HEAD DETAIL @ SIDING

SCALE: 3" = 1'-0"



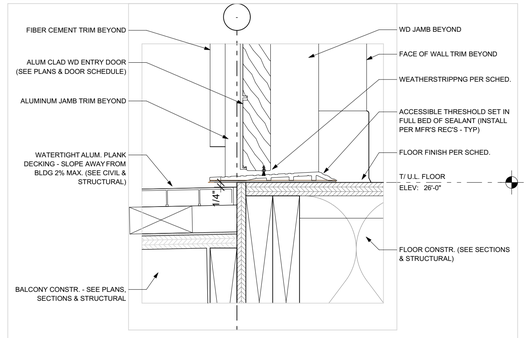
3 DOOR JAMB DETAIL @ SIDING

SCALE: 3" = 1'-0"



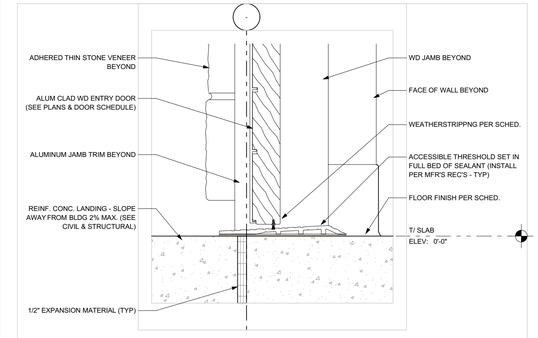
2 DOOR JAMB DETAIL @ STONE VENEER

SCALE: 3" = 1'-0"



5 THRESHOLD DETAIL @ BALCONY

SCALE: 3" = 1'-0"



1 SECTION DETAIL @ BASE OF WALL

SCALE: 3" = 1'-0"

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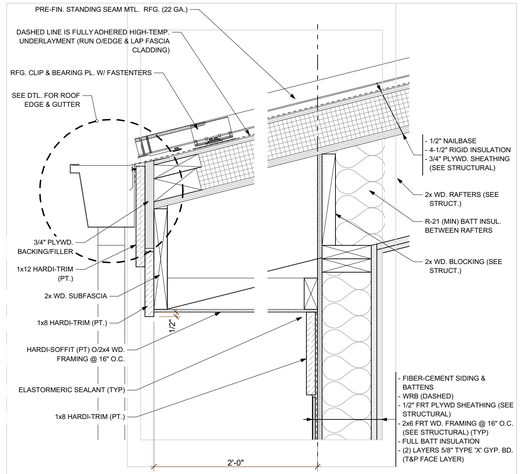
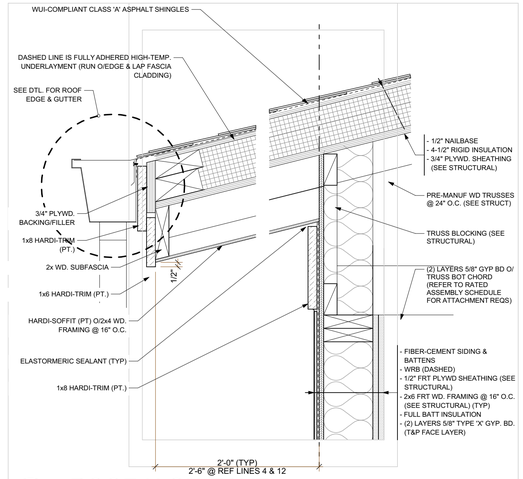


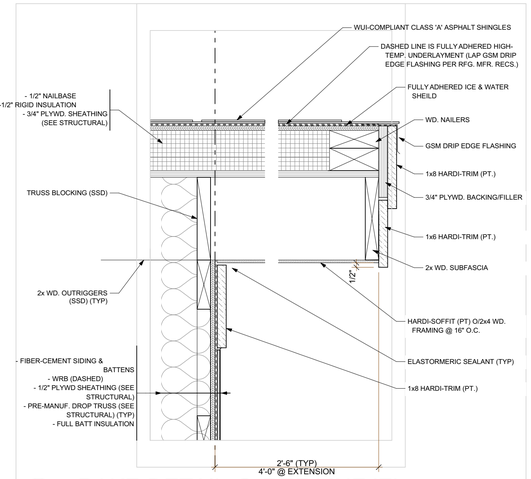
14 LOW EAVE

SCALE: 1 1/2"= 1'-0"



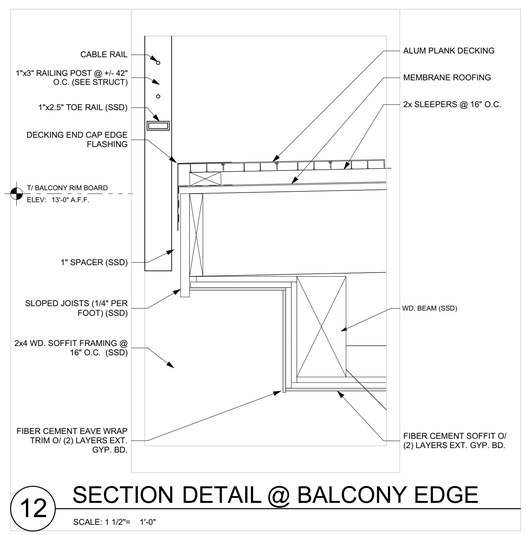
11 ROOF-HIGH EAVE

SCALE: 1 1/2"= 1'-0"



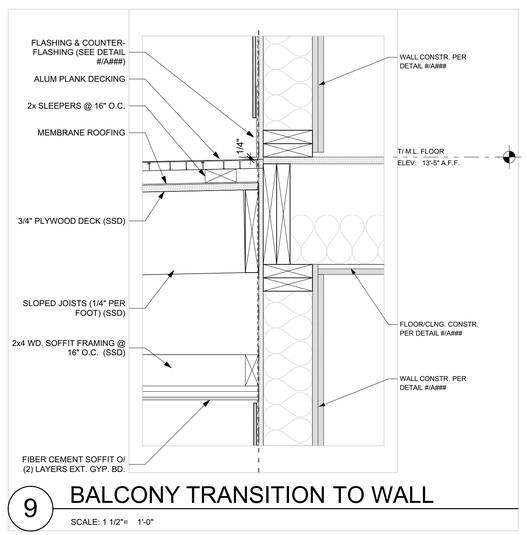
10 RAKE DETAIL @ REF LINE 'E'

SCALE: 1 1/2"= 1'-0"



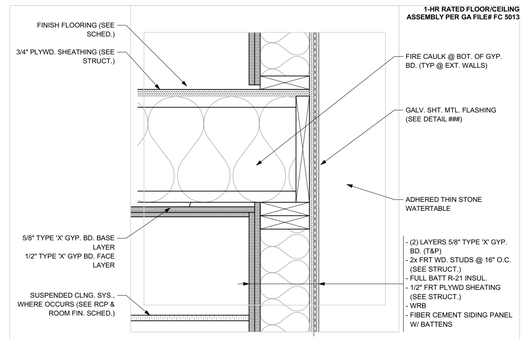
12 SECTION DETAIL @ BALCONY EDGE

SCALE: 1 1/2"= 1'-0"



9 BALCONY TRANSITION TO WALL

SCALE: 1 1/2"= 1'-0"

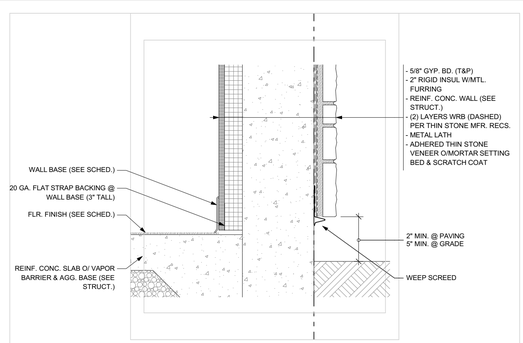


7 SECTION DETAIL @ FLOOR FRAMING

SCALE: 1 1/2"= 1'-0"

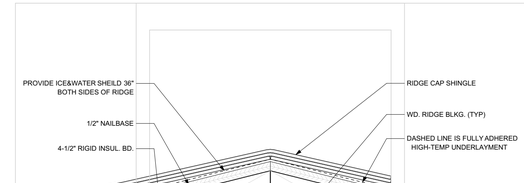
6 SECTION DETAIL @ WATERTABLE

SCALE: 1 1/2"= 1'-0"



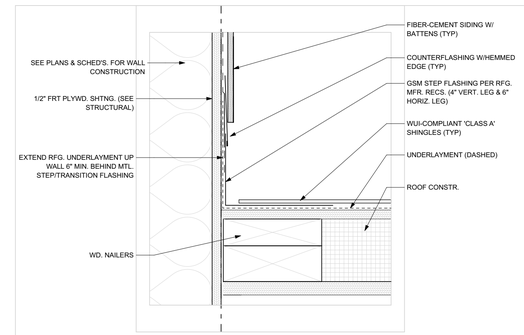
5 SECTION DETAIL @ BASE OF WALL

SCALE: 1 1/2"= 1'-0"



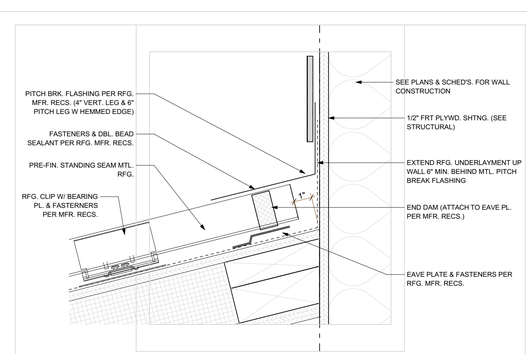
4 RIDGE CAP

SCALE: 3" = 1'-0"



3 ROOF TO WALL FLASHING (SHINGLES)

SCALE: 3" = 1'-0"



2 ROOF TO WALL FLASHING (MTL.RFG.)

SCALE: 3" = 1'-0"

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ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN BENSEN
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STATE OF CALIFORNIA

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
REVISED for APPROVAL	26-NOV-2025
50% DESIGN DEVELOPMENT	15-JAN-2026
100% DESIGN DEVELOPMENT	22-FEB-2026
50% CONSTRUCTION DOCS	27-MAR-2026
PLAN REVIEW	13-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE
-		-

PROJECT NO.	C1276
DATE:	23-APRIL-2026
ISSUE:	FOR BID

SHEET NO.

A902

EXTERIOR DETAILS

GENERAL NOTES

1. RIVERSTONE STRUCTURAL CONCEPTS IS THE EXCLUSIVE OWNER OF ALL STRUCTURAL PLANS, SPECIFICATIONS, DRAWINGS, NOTES, DETAILS, AND ATTACHMENTS CONTAINED HEREIN. THESE DOCUMENTS APPLY SPECIFICALLY TO THIS PROJECT AND SHALL NOT BE USED FOR ANY OTHER PROJECT OR REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF RIVERSTONE STRUCTURAL CONCEPTS.
2. ENTIRE CONTRACT DOCUMENTS SHALL BE USED TO BUILD BUILDING. SOME CRITICAL ITEMS REQUIRED BY OTHER DISCIPLINES MAY NOT BE SHOWN ON STRUCTURAL DRAWING (I.E. WALL, FLOOR AND ROOF OPENING, ARCHITECTURAL, MECHANICAL AND PLUMBING LOADS, SUPPORT PLATES ETC.).
3. ALL DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS (INCLUDING ELEVATIONS) ARE TO ASSIST CONTRACTOR IN VERIFICATION. LOCATION OF ALL ITEMS SHALL BE DETERMINED BY SPECIFIC DIMENSIONS OR NOTES ONLY; DO NOT USE GRAPHIC APPEARANCE TO ASSUME SPECIFIC LOCATIONS.
4. DIMENSIONS SHALL NOT BE SCALED FROM STRUCTURAL PLANS OR DETAILS UNDER ANY CIRCUMSTANCE.
5. ALL ENGINEERING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE CURRENT GOVERNING VERSION OF THE INTERNATIONAL BUILDING CODE WITH THE GOVERNING JURISDICTION AMENDMENTS.
6. METHOD OF CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHERS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, AND SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO. OBSERVATION VISITS BY THE ENGINEER TO THE SITE WILL NOT INCLUDE INSPECTION OF THE MEASURES ABOVE.
7. ALL ASTM STANDARDS SHALL CONFORM TO THE LATEST ISSUE OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS.
8. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT WHEN PLACED ON FRAMED FLOORS OR ROOFS. THE MATERIAL LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
9. ITEMS SHOWN BY OTHER DISCIPLINES WITH REFERENCE TO STRUCTURAL DRAWING BUT NOT SHOWN ON THIS STRUCTURAL DOCUMENT SHALL BE CONSIDERED DESIGN BUILD ITEMS. IN THIS CASE, CONTRACTOR SHALL SUBMIT DESIGN BY OTHERS FOR REVIEW.
10. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES, ELEVATIONS, AND SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, INCONSISTENCIES, AND/OR CONDITIONS NEEDING CLARIFICATIONS.
11. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
12. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF HE/SHE CHOOSES AN OPTION, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES AND SHALL COORDINATE ALL DETAILS.
13. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL AND FINISHED GRADE WITH CIVIL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT.
15. ANY OMISSIONS OR DISCREPANCIES FOUND WITHIN THE STRUCTURAL DRAWING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
16. SUPPLIER OF ENGINEERED STRUCTURAL COMPONENTS (I.E. STEEL JOISTS, STAIRS, AND PRECAST ITEMS) SHALL BE RESPONSIBLE FOR COMPLETE DESIGN AND SHALL USE ENTIRE CONTRACT DOCUMENTS TO INCLUDE ALL LOADS AND DETAIL REQUIREMENTS FROM ALL DISCIPLINES. SUPPLIER SHALL PROVIDE ADDITIONAL MATERIAL REQUIRED TO MEET ALL THEIR REQUIREMENTS FOR INSTALLATION (I.E. WIDER BEARING PLATES, SHIMS, AND ERECTION BOLTS ETC.).
17. ALL MATERIALS, SPECIFICATIONS, CONNECTIONS, ETC. SHALL BE AS SHOWN IN THE STRUCTURAL DRAWINGS UNLESS ALTERNATES ARE APPROVED IN WRITING BY THE ARCHITECT, ENGINEER, AND OWNER.
18. STRUCTURAL STEEL SUPPLIER SHALL FURNISH BOLTS FOR OSHA CONNECTIONS (SEE DRAWINGS FOR DETAILS). TYPICAL DETAILS AND SCHEDULES INDICATED MAY NOT BE SPECIFICALLY REFERENCED ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHERE EACH TYPICAL DETAIL OR SCHEDULE APPLIES. IF LOCATIONS ARE FOUND WHERE NO TYPICAL DETAIL, TYPICAL SCHEDULE, OR SPECIFIC DETAIL APPLIES, NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER. - DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS AND GENERAL NOTES SHALL APPLY EVEN IF NOT SPECIFICALLY DENOTED ON PLANS, UNO. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD.
19. NOTIFY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTING OR FABRICATING, WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBERS.
20. SHOP DRAWINGS FOR ALL FABRICATED MATERIALS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, WHETHER INDICATED ON THE CONSTRUCTION DOCUMENTS OR NOT, AND TO PROTECT THEM FROM DAMAGE.
22. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING: SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS, SIZE AND LOCATION OF INTERIOR AND EXTERIOR NON-BEARING PARTITIONS, SIZE AND LOCATION OF CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS, FLOOR AND ROOF FINISHES, STAIR FRAMING AND DETAILS, DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, CEILING ASSEMBLIES, EXTERIOR WALL ASSEMBLIES, ETC.
23. IT IS THE SOLE AND COMPLETE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE JOBSITE CONDITIONS AND THE SAFETY OF ALL PERSONS OR PROPERTY DURING THE CONSTRUCTION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE STRUCTURAL ENGINEER FREE AND HARMLESS FROM ALL CLAIMS, DEMANDS, AND LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE STRUCTURAL ENGINEER.

CONCRETE NOTES

1. ALL CONCRETE MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL CONFORM TO ACI 318-14.
2. THE CONTRACTOR SHALL PROVIDE FOR PROPER DEWATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER, SEEPAGE, ETC.
3. DRAINAGE SYSTEMS, INCLUDING FOUNDATION, ROOF AND SURFACE DRAINS, SHALL BE INSTALLED AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND/OR ARCHITECTURAL DRAWINGS.
4. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE (F'_C) AT 28 DAYS SHALL BE AS FOLLOWS (U.N.O.):
   - SLAB-ON-GRADE 4,500 PSI
   - ELEVATED STRUCTURAL SLABS 4,500 PSI
   - CONC. COL'S 4,500 PSI
   - CONC. BEAMS 4,500 PSI
   - FOOTINGS / GRADE BEAMS 4,500 PSI
   - RETAINING WALLS 4,500 PSI
5. CYLINDER TESTS ARE REQUIRED WHERE CONCRETE COMPRESSION DESIGN STRENGTH IS 3,000 PSI OR GREATER.
6. IT IS THE RESPONSIBILITY OF THE CONCRETE SUPPLIER THAT THE MIX DESIGN WILL ATTAIN THE SPECIFIED STRENGTH. ACCEPTANCE OF MIX DESIGN SHALL BE BASED ONLY ON CONFORMANCE OF SPECIFIED COMPRESSION STRENGTH AND SLUMP.
7. CONCRETE SLUMP SHALL NOT EXCEED 4".
8. CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C150, TYPE II. THE WATER/CEMENT RATIO SHALL NOT EXCEED 0.6.
9. ALL AGGREGATES USED SHALL FOLLOW THE REQUIREMENTS OF ASTM C33 FOR NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT CONCRETE, USE ASTM C330. THE MAXIMUM SIZE OF THE COARSE AGGREGATE SHALL NOT EXCEED 33% SLAB THICKNESS, 3/4", OR THE MINIMUM CLEAR SPACING BETWEEN REINFORCING BARS.
10. ADMIXTURES REQUIRE THE WRITTEN CONSENT OF THE ENGINEER OF RECORD PRIOR TO BEING USED. ADMIXTURES SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IF CONSENT IS GIVEN.
11. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C94.
12. MINIMUM CONCRETE COVER FOR REINFORCING STEEL IN NON-PRESTRESSED CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS (U.N.O.):
   - CAST AGAINST EARTH 3"
   - EXPOSED TO EARTH OR WEATHER:
     - #6 AND LARGER BARS 2"
     - #5 AND SMALLER BARS 1 ½"
   - NOT EXPOSED TO EARTH OR WEATHER:
     - SLABS AND WALLS ¾"
     - BEAMS AND COLUMNS (TIES, STIRRUPS, SPIRALS) 1 ½"
     - UNPROTECTED COLUMNS 2 ½"
13. THE BUILDING INSPECTOR MUST APPROVE ALL REINFORCING BARS, WIRE MESH, ANCHOR BOLTS, SLEEVES, AND OTHER CONCRETE INSERTS SECURED IN PLACE PRIOR TO PLACING CONCRETE.
14. FOOTINGS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON THE DRAWINGS. EXCAVATIONS AND SUBGRADE PREPARATION FOR FOOTINGS AND SLAB ON GRADE SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING THE CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN THE EXCAVATIONS ARE READY FOR INSPECTION. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE GEOTECHNICAL ENGINEER, MODIFIED FOOTING ELEVATIONS OR FOOTING DESIGNS MAY BE REQUIRED.
15. ALL CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL VIBRATORS.
16. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS.
17. VAPOR RETARDER PLACED BELOW SLAB ON GRADE SHALL CONFORM TO THE ASTM E 1643 AMD ASTM 745. COORDINATE PLACEMENT WITH GEOTECHNICAL ENGINEER AND/OR ARCHITECTURAL DRAWINGS.
18. MECHANICAL SUCH AS PIPES, DUCTS, SLEEVES, CONDUITS, ETC. SHALL NOT BE PLACED THROUGH CONCRETE UNLESS SHOWN ON THE STRUCTURAL PLANS OR WITH WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
19. ALL ABANDONED UTILITIES, FOOTINGS, ETC., THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE REMOVED. NOTIFY THE STRUCTURAL ENGINEER SHOULD ANY FOUNDATIONS FOR EXISTING STRUCTURES BE ENCOUNTERED THAT ARE NOT SHOW ON THE STRUCTURAL DRAWINGS.

RETAINING WALL NOTES

1. ALL BACKFILL MATERIALS SHALL BE GRANULAR, NON-COHESIVE SOIL. BACKFILL SHALL BE PLACED IN 12" MAX. HORIZONTAL LIFTS. ALL FILLS SHALL BE COMPACTED TO 90% (MIN.). IF EXPANSIVE SOIL IS ENCOUNTERED, THE ENGINEER OF RECORD SHALL BE NOTIFIED PRIOR TO WALL CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DESIGN AND CONSTRUCTION OF ALL UNDERPINNING, CRIBBING, BRACING, AND SHORING REQUIRED FOR THE RETAINING WALL.
3. RETAINING WALLS SHOULD BE BACKFILLED WITH FREE-DRAINING MATERIAL THAT EXTENDS ALONG THE HEIGHT OF THE WALL AND A DISTANCE OF AT LEAST 18" BEHIND THE WALL. THE UPPER 12" OF THE WALL BACKFILL MAY CONSIST OF A LESS PERMEABLE SOIL IF DESIRED. A PERFORATED DRAIN PIPE SHOULD BE PLACED ALONG THE BASE OF THE WALL AND CONNECTED TO AN APPROVED DISCHARGE LOCATION. A TYPICAL RETAINING WALL DRAINAGE DETAIL CAN BE FOUND IN THE SOILS REPORT.
4. BACK FILL SHALL NOT BE PLACED BEHIND WALLS UNTIL THEY HAVE ATTAINED THEIR SPECIFIED DESIGN STRENGTH. WALLS THAT ARE DESIGNED TO BE BRACED BY THE STRUCTURE SHALL BE SHORED UNTIL THE SUPPORTING MEMBERS ARE IN PLACE.
5. WALL DRAINS SHALL BE 4" MINIMUM DIAMETER AND BE PLACED AT 6 FT INTERVALS ALONG THE LENGTH OF THE WALL AND LOCATED JUST ABOVE THE LEVEL OF THE SOIL OR PAVING ON THE FRONT FACE OF THE WALL. BACKFILL BEHIND WALL DRAINS OR OPEN HEAD JOINTS MUST BE GRAVEL WITH A MINIMUM THICKNESS OF 12" AND EXTENDING FROM THE TOP OF THE WALL TO THE TOP OF THE FOOTING.

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5. WALL DRAINS SHALL BE 4" MINIMUM DIAMETER AND BE PLACED AT 6 FT INTERVALS ALONG THE LENGTH OF THE WALL AND LOCATED JUST ABOVE THE LEVEL OF THE SOIL OR PAVING ON THE FRONT FACE OF THE WALL. BACKFILL BEHIND WALL DRAINS OR OPEN HEAD JOINTS MUST BE GRAVEL WITH A MINIMUM THICKNESS OF 12" AND EXTENDING FROM THE TOP OF THE WALL TO THE TOP OF THE FOOTING.

REINFORCING STEEL (REBAR) NOTES

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615. EPOXY COATED REINFORCING STEEL SHALL CONFORM TO ASTM A934. ALL REINFORCING SHALL BEAR MILL STOCK IDENTIFICATION.
2. REINFORCING STEEL GRADE SHALL BE:
   - GRADE 60 - #4 BARS AND LARGER
   - GRADE 40 - #3 BARS AND SMALLER
   - ASTM A706 GRADE 60 - ALL WELDED REINFORCING STEEL
3. REINFORCING STEEL DETAILING, BENDING, AND PLACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE" BY THE CONCRETE REINFORCING STEEL INSTITUTE.
4. REINFORCING STEEL SHALL BE CLEAN OF RUST, OIL, GREASE, OR ANY OTHER COATING MATERIAL LIKELY TO IMPAIR BONDING.
5. SEE TYPICAL REBAR DETAIL 005 ON SHEET S0.10 FOR LAP SPLICE, BEND, AND HOOK SPECIFICATIONS.
6. BEFORE PLACING CONCRETE OR GROUT, ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE.

TYP. REINFORCING BAR LAPS

1. LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318. LAP SPLICES IN CONCRETE COLUMNS SHALL BE STANDARD COMPRESSION LAP SPLICES. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH. LAPS IN WELDED WIRE FABRIC SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. ALL WELDED WIRE FABRIC SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES.
2. ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS.
3. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90-DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL WITH EMBEDMENT LENGTH ACCORDING TO THE LATEST EDITION OF THE ACI 318. (UNLESS NOTED OTHERWISE ON PLANS OR DETAILS).
4. CONCRETE REINFORCEMENT LAP SPLICES/DEVELOPMENT LENGTHS ARE AS FOLLOWS:

	CONCRETE YIELD STRENGTH				
BAR SIZE	F'_C = 2500 PSI	F'_C = 3000 PSI	F'_C = 4000 PSI	F'_C = 4500 PSI	F'_C = 5000 PSI
#3	19	17	15	14	13
#4	24	22	19	18	17
#5	30	27	24	22	21
#6	36	33	28	27	25
#7	53	48	42	39	37
#8	60	55	47	45	42
#9	68	62	54	50	48
#10	76	70	60	57	54
#11	85	77	67	63	60

NAILING SCHEDULE

CBC TABLE 2304.9.1, FASTENING SCHEDULE

NAILING OF SAWN WOOD MEMBERS SHALL CONFORM TO THE SCHEDULE BELOW (U.N.O.)

1. JOIST TO SILL OR GIRDER, TOENAIL	3 - 8D	
2. BLOCKING TO JOIST, TOENAIL EACH END	2 - 8D	
3. 1"X6" SUBFLOOR (OR LESS) TO EA. JOIST, FACE NAIL	2 - 8D	
4. WIDER THAN 1"X6" SUBFLOOR TO EA. JOIST, FACE NAIL	3 - 8D	
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	2 - 16D	
6. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16D @ 16" O.C.	
7. SOLE PLATE TO JOIST OR BLOCKING @ BRACED WALL PANEL	3 - 16D @ 16" O.C.	
8. TOP PLATE TO STUD, END NAIL	2 - 16D	
9. STUD TO SOLE PLATE, TOENAIL	4 - 8D	
10. STUD TO SOLE PLATE, END NAIL	2 - 16D	
11. DOUBLE STUDS, FACE NAIL	16D @ 24" O.C.	
12. DOUBLE TOP PLATES, TYP. FACE NAIL	16D @ 16" O.C.	
13. DOUBLE TOP PLATES, LAP SPLICE	8 - 16D	
14. BLK'G. BETWEEN JOISTS OR RAFTERS TO TOP PLATES, TOENAIL	3 - 8D	
15. RIM JOIST TO TOP PLATE, TOENAIL	8D @ 6" O.C.	
16. TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	2 - 16D	
17. CONTINUOUS HEADER, TWO PIECES, NAIL ALONG EDGE	16D @ 16" O.C.	
18. CEILING JOIST TO PLATE, TOENAIL	3 - 8D	
19. CONTINUOUS HEADER TO STUD, TOENAIL	4 - 8D	
20. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3 - 16D	
21. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3 - 16D	
22. RAFTER TO PLATE, TOENAIL	3 - 8D	
23. 1" DIAGONAL BRACE TO EA. STUD & PLATE, FACE NAIL	2 - 8D	
24. 1" X 8" SHEATHING TO EA. BEARING, FACE NAIL	3 - 8D	
25. WIDER THAN 1" X 8" SHEATHING TO EA. BEARING, FACE NAIL	3 - 8D	
26. BUILT-UP CORNER STUDS	16D @ 24" O.C.	
27. BUILT-UP GIRDER & BEAMS	20D @ 32" O.C. @ T&B, STAG. 2 20D @ ENDS & EA. SPLICE	
28. 2" PLANKS TO EA. BEARING	16D	
29. COLLAR TIE TO RAFTER, FACE NAIL	3 - 10D	
30. JACK RAFTER TO HIP, TOENAIL	3 - 10D	
OR JACK RAFTER TO HIP, FACE NAIL	2 - 16D	
31. ROOF RAFTERS TO 2X RIDGE BEAM, TOENAIL	2 - 16D	
32. ROOF RAFTERS TO 2X RIDGE BEAM, FACE NAIL	2 - 16D	
33. JOIST TO BAND JOIST, FACE NAIL	3 - 16D	
34. LEDGER STRIP, FACE NAIL	3 - 16D	
35. WOOD STRUCTURAL PANELS & PARTICLEBOARD SUBFLOOR, ROOF, & WALL SHEATHING (TO FRAMING)	1/2" & LESS,	6D
	19/32" - 3/4",	8D
	7/8" - 1",	10D
	1 1/8" - 1 1/4",	12D
36. SINGLE FLOOR (COMBINATION SUBFLOOR - UNDERLAYMENT TO FRAMING)	3/4" & LESS,	6D
	7/8" - 1",	8D
	1 1/8" - 1 1/4",	10D
37. PANEL SIDING (TO FRAMING)	1/2" & LESS,	6D
	5/8",	8D
38. FIBERBOARD SHEATHING	1/2",	6D
	25/32",	8D
39. INTERIOR PANELING	1/4",	4D
	3/8",	6D

NAILING SCHEDULE NOTES:

A. ALL NAILS TO BE COMMONS.
B. SEE WOOD NOTES FOR NAILS IN PRESSURE TREATED WOOD.
C. WHENEVER POSSIBLE, NAILS DRIVEN PERPENDICULAR TO THE GRAIN SHALL BE USED INSTEAD OF TOENAILS.
D. DETAILS AND NOTES SUPERSEDE THE NAILING SCHEDULE WHERE THEY DIFFER.

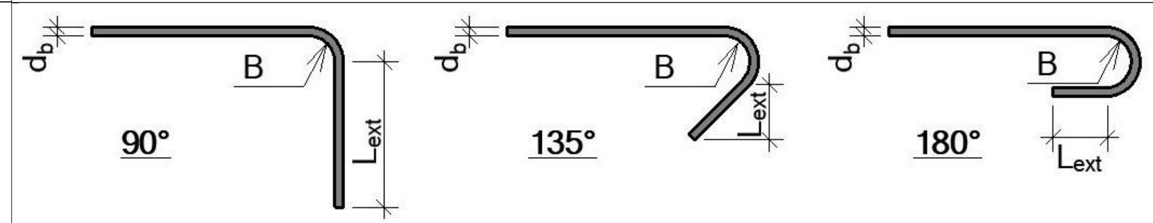
SHOP DRAWINGS

1. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS. SHOP DRAWINGS ARE REVIEWED ONLY FOR GENERAL COMPLIANCE WITH THE STRUCTURAL DRAWINGS. REVIEW DOES NOT INDICATE THAT THE SHOP DRAWINGS ARE CORRECT OR COMPLETE. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ANY CHANGES, SUBSTITUTIONS, OR AFOREMENTIONED SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW UNLESS SPECIFICALLY NOTED ACCORDINGLY. THE SHOP DRAWINGS DO NOT SUPERSEDE OR REPLACE THE ORIGINAL CONTRACT DRAWINGS. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF REGISTERED STRUCTURAL ENGINEER IN THE STATE OF THIS PROJECT. RIVERSTONE STRUCTURAL CONCEPTS, PLLC, SHALL NOT BE HELD RESPONSIBLE FOR THE ADEQUACY OF ENGINEERING DESIGNS PERFORMED BY OTHERS. FIVE WORKING DAYS SHALL BE ALLOWED FOR THE ENGINEER'S REVIEW. CONTRACTOR SHALL PROVIDE A COPY OF EACH SUBMITTAL FOR ENGINEERING STRUCTURAL SOLUTION'S RECORDS.
2. SHOP DWG.'S REQUIRED FOR THIS PROJECT:
   i. PRE-MANUFACTURED TRUSS LAYOUT AND ENGINEERING.
   ii. STRUCTURAL STEEL FABRICATION
   iii. ENGINEERED JOIST LAYOUTS AND CALCULATIONS.
   iv. GLULAM BEAM CERTIFICATIONS

GEOTECHNICAL ENGINEER REQUIREMENTS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL REQUIREMENTS AND RECOMMENDATIONS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION INCLUDING BUT NOT LIMITED TO:
   - SITE GRADING
   - EXCAVATION
   - SUBGRADE PREPARATION
   - STRUCTURAL FILL MATERIALS
   - IMPORTED FILL
   - ON-SITE SOIL
   - COMPACTION
   - DRAINAGE
   - SLAB SUPPORT
   - ASPHALT/PAVEMENT MIX AND SUBGRADE PREP
   - PAVEMENT MATERIALS AND CONSTRUCTION
   - RIGID PAVEMENT
   - JOINTING

TYP. REINFORCING BAR BENDS



BAR SIZE	DB (IN)	B (IN)	90 DEGREE HOOK LEXT	135 DEGREE HOOK LEXT	180 DEGREE HOOK LEXT
#3	3/8	2 1/4	4 1/2	3	2 1/2
#4	1/2	3	6	3	2 1/2
#5	5/8	3 3/4	7 1/2	3 3/4	2 1/2
#6	3/4	4 1/2	9	4 1/2	3
#7	7/8	5 1/4	10 1/2	5 1/4	3 1/2
#8	1	6	12	6	4
#9	1 1/8	9	13 1/2	N/A	4 1/2
#10	1 1/4	10	15	N/A	5
#11	1 3/8	11	16 1/2	N/A	5 1/2

EPOXY NOTES

1. INJECTABLE ADHESIVE SHALL BE USED FOR INSTALLATION OF REINFORCING STEEL DOWELS OR THREADED ANCHOR RODS AND INSERTS INTO NEW OR EXISTING CONCRETE OR SOLID GROUTED CONCRETE MASONRY UNITS ONLY WHERE SPECIFIED ON PLANS. IF USE IS REQUESTED FOR OTHER THAN WHERE NOTED CONTACT STRUCTURAL ENGINEER THROUGH ARCHITECT FOR APPROVAL. ADHESIVE SHALL BE FURNISHED IN SIDE BY SIDE PACKS WHICH KEEP COMPONENT A AND COMPONENT B SEPARATE. USE ONLY INJECTION TOOLS AND STATIC MIXING NOZZLES RECOMMENDED BY MANUFACTURER. MANUFACTURERS RECOMMENDATIONS SHALL BE FOLLOWED.
2. EPOXY SHALL NOT BE INSTALLED WITHOUT PRIOR APPROVAL OF ENGINEER UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.
3. BARS MUST BE DEFORMED OR THREADED FOR THE FULL EMBEDMENT DEPTH IN EPOXY.
4. OVER-DRILL BAR DIAMETER AS INDICATED BY THE EPOXY MANUFACTURER, AND TO THE DEPTH INDICATED ON THE STRUCTURAL DRAWINGS.
5. CLEAN HOLE PER MANUFACTURER REQUIREMENTS.
6. ANY DIRT, RUST, AND OIL ON THE BARS SHALL BE REMOVED.
7. DURING THE EPOXY MIXING AND APPLICATION PROCESS, INSTALL IN STRICT ACCORDANCE WITH ICC REPORT AND THE EPOXY MANUFACTURER'S SPECIFICATIONS EXACTLY.
8. VERTICAL HOLES TO BE FILLED FROM THE BOTTOM ARE TO USE AN EPOXY GEL.
9. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL TO VERTICAL OVERHEAD ORIENTATION TO SUPPORT SUSTAINED TENSION LOADS SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI (ACI318-14 D.9.2.2). PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
10. ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS (ACI 318-14 D.9.2.2). FOR INSTALLATIONS SOONER THAN 21 DAYS, CONSULT ADHESIVE MANUFACTURER,
11. THE FOLLOWING EPOXY SYSTEMS ARE ACCEPTABLE FOR USE IN FULLY GROUTED MASONRY:
    - HILTI HIT HY-150MAX ICC ESR-1967
    - SIMPSON SET EPOXY TIE ICC ESR-1772
    - DEWALT AC 100+ GOLD ICC ESR-3200

    NOTE: THE ABOVE NOTED EPOXY MAY BE USED FOR HOLLOW CELL MASONRY ASSEMBLIES PENDING ENGINEER OF RECORD REVIEW AND APPROVAL OF EACH APPLICATION AND LOCATION.
12. THE FOLLOWING EPOXY SYSTEMS ARE ACCEPTABLE FOR USE IN UNCRACKED, CRACKED, AND SEISMIC CONCRETE APPLICATIONS:
    - HILTI HY150MAX-SD ICC ESR-3013
    - HILTI HY200 SAFE SET ICC ESR-3187
    - SIMPSON SET-XP EPOXY TIE ICC ESR-2508
    - DEWALT PURE 110+ ICC ESR-3298
    - DEWALT AC200+ (COLD WEATHER) ICC ESR-4027
    - SIMPSON AT XP (COLD WEATHER) IAPMO-UES 263
    - HILTI HIT-RE 500 SD ESR-2322 10. THREADED ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 U.N.O.
13. USE OF ANY OTHER EPOXY IN A SEISMIC / CRACKED CONCRETE LOCATION WILL ONLY BE CONSIDERED WITH AN APPROVED THIRD PARTY EVALUATION REPORT THAT INCLUDES RECOGNITION OF EARTHQUAKE RESISTANCE IN ACCORDANCE WITH THE CURRENT CBC.

WOOD NOTES

1. ALL LUMBER SHALL CONFORM TO THE GRADES AS SET BY AN INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPLIES WITH THE DOC PS 20 OR EQUIVALENT.
2. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF SECTION 2308 OF THE CBC.
3. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.
4. PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNO. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS.
5. FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH WITH THE FOLLOWING GRADE (U.N.O.):
   - STUDS (8'-1" HT. AND LESS) STUD GRADE OR BETTER
   - STUDS (GREATER THAN 8'-1" HT.) #2 OR BETTER
   - SILLS/PLATES AND LEDGERS #2 OR BETTER
   - HEADERS #2 OR BETTER
   - POSTS AND BEAMS #1 OR BETTER
6. MOISTURE CONTENT OF SAWN LUMBER AT THE TIME OF PLACEMENT SHALL NOT EXCEED 19%.
7. WOOD BEARING ON CONCRETE OR MASONRY IN CONTACT WITH SOIL SHALL BE PRESSURE TREATED.
8. WOOD STUDS/POSTS LESS THAT 8" FROM GRADE SHALL BE PRESSURE TREATED.
9. FASTENERS, INCLUDING NUTS AND WASHERS, IN PRESSURE TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL PER ASTM B695, CLASS 55. IT IS ACCEPTABLE TO USE PLAIN CARBON STEEL FASTENERS IN ZINC BORATE TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT SUCH AS IN A WALL CAVITY.
10. ALL BOLT HEADS, NUTS AND LAG SCREWS BEARING ON WOOD SHALL HAVE CUT WASHERS (U.N.O.).
11. BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" LARGER THAN THE BOLT DIAMETER. BOLT HOLES SHALL BE ACCURATELY ALIGNED AND NOT FORCIBLY DRIVEN.
12. LEAD HOLES FOR LAG SCREWS IN WOOD SHALL BE BORED AS FOLLOWS:
    - FOR SHANK: SAME Ø AND LENGTH AS UNTHREADED SHANK
    - FOR THREADED PORTION: 60%-75% OF SHANK DIAMETER AND LENGTH EQUAL TO THREADED PORTION.
13. GLUED LAMINATED TIMBERS (GLULAM) SHALL BE FABRICATED IN ACCORDANCE WITH THE ANSI A190.1 AND ASTM D3737, USING DOUGLAS FIR INDUSTRIAL GRADE WOOD AND EXTERIOR GLUE WITH INTENDED DRY USE CONDITION. EACH GLULAM SHALL BE GRADE MARKED AND A CERTIFICATE OF CONFORMANCE MUST BE PROVIDED THAT INDICATES CONFORMANCE WITH ANSI/AITC A190.1.
14. SIMPLE SPAN GLULAM BEAMS SHALL BE TYPE 24F-V4 DF/DF AND CANTILEVERED / MULTI-SPAN GLULAM BEAMS SHALL BE 24F-V8 DF/DF.
15. MANUFACTURED LUMBER PRODUCTS SPECIFIED ON THE DRAWINGS SHALL BE MANUFACTURED BY 'WEYERHAEUSER' (ESR-1387, 1153) OR AN ENGINEER APPROVED EQUAL. THE MODULUS OF ELASTICITY FOR PARALLAM (PSL) BEAMS - 2.0E, PARALLAM (PSL) COLUMNS - 1.9E, MICROLLAM (LVL) = 2.0E, AND TIMBERSTRAND (LSL) = 1.55E. 'BOISE CASCADE' MANUFACTURED LUMBER CAN BE SUBSTITUTED AS SHOWN BELOW.
    - TJI 210 = BCI 6000 1.8
    - TJI 230 = BCI 6500 1.8
    - TJI 360 = BCI 60 2.0
    - TJI 560 = BCI 90 2.0
    - PSL (2.0E) = VERSA-LAM 2.0 3100
    - PSL (1.8E) = VERSA-LAM 2.0 3100
    - LVL (2.0E) = VERSA-LAM 2.0 2800
    - LSL (1.55E) = VERSA-LAM 1.7 2400/2650

DEFERRED SUBMITTALS (PER 2022 CBC 107.3.4.1)

1. FOR THE PURPOSES OF THIS SECTION, DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE TIME OF THE APPLICATION AND THAT ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD
2. DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW. THE CONTRACTOR SHALL FORWARD THE REVIEWED DOCUMENTS TO BUILDING OFFICAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
3. DEFERRED SUBMITTAL ITEMS:

DESIGN CRITERIA

DESIGN LOADS

GOVERNING CODE: CBC 2022 WITH APPLICABLE LOCAL AMENDMENTS

ROOF LOADS		GARAGE DECK LOADS	
ROOFING:		DECK BUILDUP:	COMPOSITE DECK
TOTAL DEAD LOAD:	20 PSF	TOTAL DEAD LOAD:	60 PSF
LIVE LOAD:	26 PSF	LIVE LOAD:	60 PSF
TOTAL LOAD:	46 PSF	TOTAL LOAD:	120 PSF
FLOOR LOADS		**DECK LOADS**	
FLOORING:	HARDWOOD	DECKING:	
TOTAL DEAD LOAD:	20 PSF	TOTAL DEAD LOAD:	20 PSF
LIVE LOAD:	100 PSF	LIVE LOAD:	60 PSF
TOTAL LOAD:	120 PSF	TOTAL LOAD:	80 PSF
EXTERIOR WALL LOADS		**INTERIOR WALL LOADS**	
MATERIAL:	WOOD SIDING	MATERIAL:	GYPSUM
TOTAL DEAD LOAD:	15 PSF	TOTAL DEAD LOAD:	10 PSF
SNOW LOADS			
GOUND SNOW LOAD, Pg:	36 PSF		
IMPORTANCE FACTOR, Le:	1.0		
EXPOSURE FACTOR, Ce:	1.0		
THERMAL FACTOR, Ct:	1.0		
SLOPE FACTOR, Cs:	1.0		
ROOF SNOW LOAD, Pf:	30 PSF		

LATERAL LOAD DESIGN DATA

EARTHQUAKE DESIGN		WIND DESIGN	
RISK CATEGORY:	II	RISK CATEGORY:	II
IMPORTANCE FACTOR, I_E:	1.0	IMPORTANCE FACTOR, I_W:	1.0
SITE CLASS:	D	EXPOSURE CATEGORY:	B
SEISMIC DESIGN CATEGORY:	E	BASIC WIND SPEED:	93 MPH
S_{DS}:	1.057	TOPOGRAPHICAL FACTOR, K_{ZT}:	1.0
S_{D1}:	1.268	EXPOSURE COEFFICIENT, K_H:	1.0
R: (WOOD SHEARWALLS)	6.5	DIRECTIONALITY FACTOR, K_D:	0.85
BASE SHEAR (V=):	X KIPS	BASE SHEAR (V=):	X KIPS

SOIL PROPERTIES

SOILS REPORTED BY:	CRAWFORD AND ASSOCIATES INC.	ALLOWABLE BEARING:	3000 PSF
PROJECT NUMBER:	24-1105.1	MIN FTG. PENETRATION	24 IN. PER GEO
DATED:	01.10.2025	PASSIVE PRESSURE:	350 PCF
		ACTIVE PRESSURE:	38 PCF
		AT-REST PRESSURE:	56 PCF
		SEISMIC SURCHARGE:	8H
		COEFFICIENT OF FRICTION:	0.45

MASONRY NOTES

1. CONCRETE MASONRY UNIT MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL CONFORM TO ASTM C90.
2. CONCRETE MASONRY UNIT SHALL BE MEDIUM WEIGHT WITH F'_M = 1,500 PSI. ALL UNITS SHALL BE SAMPLED AND TESTED TO VERIFY COMPLIANCE WITH ASTM C55 OR ASTM C90.
3. MASONRY SHALL BE SOLID GROUTED WITH REINFORCED CELLS.
4. MORTAR SHALL HAVE A COMPRESSIVE STRENGTH OF 1,900 PSI (MIN.) FOR TYPE 'S' MORTAR AND 2,150 PSI (MIN.) FOR TYPE 'N' MORTAR. MORTAR SHALL CONFORM TO ASTM C270 AND ARTICLES 20.1 AND 2.6A OF TMS 602/ACI, 530.1/ASCE 6. TYPE 'S' MORTAR SHALL BE USED FOR ALL WALLS IN CONTACT WITH SOIL AND TYPE 'N' MORTAR FOR ALL OTHER LOCATIONS. ALL HEAD AND BED JOINT THICKNESS SHALL BE BETWEEN 3/8" AND 5/8". BED JOINT THICKNESS OF THE STARTING COURSE OVER THE CONCRETE FOUNDATION MAY BE BETWEEN 1/4" AND 3/4".
5. GROUT SHALL HAVE A COMPRESSIVE STRENGTH OF 2,000 PSI (MIN.), AS DETERMINED IN ACCORDANCE WITH ASTM C1019. GROUT SHALL CONFORM TO ASTM C476 AND ARTICLE 2.2 OF TMS 602/ACI 530/ASCE 6. 'FINE' AND 'COARSE' AGGREGATE SHALL COMPLY WITH ASTM C404.
6. THE FIRST COURSE OF BLOCK SHALL BE SET INTO CONCRETE UNLESS A MORTAR KEY IS USED.
7. HIGH LIFT GROUTING PROCEDURE MAY BE USED FOR HEIGHTS UP TO 24 FT. PER TABLE 7 OF TMS 602. FINE GROUT WITH ADMIXTURES SHALL BE USED FOR LIFTS OVER 12 FT. AND A CLEANOUT SHALL BE PROVIDED AT THE BOTTOM COURSE AT EVERY VERTICAL BAR TO HELP PREVENT VOIDS.

STEEL NOTES

1. STEEL MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL CONFORM TO THE 15TH EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION AND SHALL BE DETAILED, FABRICATED, AND ERECTED IN CONFORMANCE WITH THE AISC SPECIFICATIONS.
2. STRUCTURAL STEEL MATERIAL SHALL BE AS FOLLOWS (U.N.O.):

W SHAPES:	ASTM A992, F_Y = 50 KSI
HSS SHAPES (RECTANGULAR):	ASTM A500, GRADE B, F_Y = 46 KSI
HSS SHAPES (ROUND):	ASTM A500, GRADE B, F_Y = 42 KSI
ALL OTHER SHAPES:	ASTM A36, F_Y = 36 KSI
UNHEADED BOLTS & WASHERS:	ASTM A36, F_Y = 36 KSI
HEADED BOLTS & WASHERS:	ASTM A307, GRADE A
HIGH STRENGTH BOLTS:	ASTM A325N / ASTM A490 (SEE PLANS)
SHEAR STUDS:	ASTM A108 & A.W.S. D1.1, F_Y = 60 KSI
NUTS:	ASTM A563, GRADE A
ANCHOR BOLTS & HEAVY HEX HEAD BOLTS INSTALLED IN CONCRETE:	ASTM F1554, GRADE 36

3. STEEL FABRICATORS SHALL FURNISH SHOP DRAWINGS FOR REVIEW BY THE ENGINEER OF RECORD PRIOR TO FABRICATION.
4. STEEL FABRICATION SHALL BE PERFORMED IN A SHOP THAT IS APPROVED BY THE GOVERNING JURISDICTION.
5. EXPOSED STEEL SHALL BE PRIMED/PAINTED OR HOT DIPPED GALVANIZED.
6. HOLES SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED ON DRAWINGS. HOLES SHALL BE 1/16" OVERSIZED FOR ORDINARY CONNECTIONS AND 3/16" OVERSIZED FOR ANCHOR BOLTS (U.N.O.).
7. GROUTING MATERIAL AT BASE PLATES SHALL BE NON-SHRINK GROUT / DRY PACK WITH A COMPRESSIVE STRENGTH OF F'_C = 6,000 PSI (MIN.). INSTALL GROUT AFTER COLUMN HAS BEEN PLUMBED AND PRIOR TO FRAMING ERECTION.
8. HIGH STRENGTH BOLTS SHALL BE PROVIDED WITH HARDENED WASHERS CONFORMING TO ASTM F436.
9. STRUCTURAL STEEL SHALL BE DELIVERED T THE JOBSITE FREE OF RUST, MILL SCALE, GREASE, ETC.
10. STEEL BEAMS WITH SPECIFIED INCLUDED CAMBER PER PLAN MAY BE COLD CAMBERED (U.N.O.).

WELDING NOTES

1. WELDING SHALL CONFORM TO THE LATEST ADDITION OF THE "STRUCTURAL WELDING CODE" ANSI / AWS D1.1
2. WELDS SHALL USE E70 ELECTRODES (EXCEPT REINFORCING STEEL WELDS).
3. WELDS OF REINFORCING STEEL USING A706 GRADE 60 STEEL SHALL USE E80 ELECTRODES AND SHALL CONFORM TO AWS D1.4 & RGA3-77.
4. SHOP WELDING SHALL BE PERFORMED IN A SHOP THAT IS REGISTERED AND APPROVED BY THE GOVERNING JURISDICTION.
5. FIELD WELDING SHALL BE CONTINUOUSLY INSPECTED BY A REGISTERED INSPECTOR. ALL FIELD WELDING MUST BE INDICATED ON THE SHOP DRAWINGS.
6. ALL EXPOSED WELDED CONNECTIONS SHALL BE FILLED AND GROUND SMOOTH AND SUBJECT TO ARCHITECTURAL APPROVAL.
7. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELDS SHALL BE BASED ON AISC STANDARDS FOR THICKER MATERIAL CONNECTED.

FASTENERS AND HARDWARE

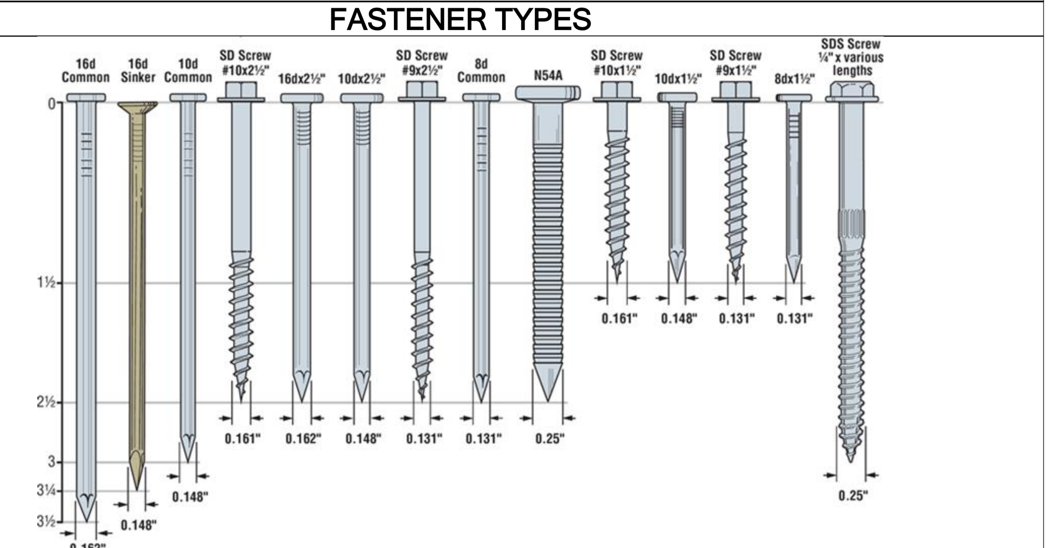
1. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.9.1 OF THE CBC. ALL NAILS SHALL BE COMMON, UNO. DETAILS GOVERN OVER SCHEDULE.
2. BOLTS, ANCHOR RODS, AND LAG SCREWS SHALL BE CENTERED IN MEMBERS, UNO, C. WHERE AUTOMATIC NAILING IS USED, NAIL HEADS SHALL NOT PENETRATE PLYWOOD SHEATHING. CONNECTIONS LISTED ARE MINIMUM PERMISSIBLE.
3. WHEN MULTIPLE MEMBERS ARE GROUPED TOGETHER, FASTEN WITH: 2 ROWS OF 16D NAILS AT 12" ON CENTER. USE THREE ROWS OF 16D NAILS AT 12" O.C. FOR DEPTHS 14" OR GREATER.
4. ALL BOLTS IN WOOD SHALL CONFORM TO ASTM A307 BOLTS AND SHALL BE INSTALLED IN HOLES BORED WITH A BIT 1/16 INCH LARGER THAN THE DIAMETER OF THE BOLT. BOLTS AND NUTS SEATING ON WOOD SHALL HAVE CUT STEEL WASHERS UNDER HEADS AND NUTS. DAMAGE THREADS AFTER INSTALLATION TO PREVENT LOOSENING.
5. SPECIFIED HARDWARE SHALL BE SIMPSON STRONG-TIE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, UNO.
6. SILL PLATE MAXIMUM ANCHOR BOLT SPACING SHALL BE 48 INCHES ON CENTER, UNLESS NOTED OTHERWISE ON PLANS AND DETAILS. ALL ANCHOR BOLTS (OTHER THAN BOLTS FOR HOLDOWNS) SHALL BE ½ INCH DIAMETER WITH A MINIMUM EMBEDMENT OF 7 INCHES INTO CONCRETE, UNO. ANCHOR BOLTS FOR HOLDOWNS SHALL NOT BE CONSIDERED AS PART OF REQUIRED ANCHOR BOLTS FOR SHEAR WALLS. ALL EXTERIOR WALLS SHALL BE SECURED WITH MINIMUM ANCHOR BOLTS. INTERIOR WALLS MAY BE DRIVEN SHOT PINS ACCORDING TO ALTERNATE OUTLINED HEREIN, UNO.
7. ANCHOR BOLTS SHALL HAVE 3" X 3" X 1/4" THICK SLOTTED PLATE WASHERS UNDER EACH NUT. EDGE OF PLATE WASHER TO BE WITHIN 1/2" OF SHEATHING. AT SHEAR WALLS WITH SHEATHING ON BOTH FACES ALTERNATE WASHER EDGES.
8. INSTALLATION OF LAG SCREWS SHALL CONFORM TO 2018 NDS SECTION 12.1.4.
9. PNEUMATIC NAILING SHALL BE PLAIN SHANK, COATED OR GALVANIZED:

8D	0.131" DIA. X 2 1/2" MIN LENGTH
10D	0.148" DIA. X 3" MIN LENGTH
16D	0.135" DIA. X 3 1/2" MIN LENGTH

10. HAND NAILING SHALL BE SINKERS, COATED:

8D	11 1/2GA. X 2 3/8"
10D	11GA. X 2 7/8"
16D	9GA. X 3 1/4"

FASTENER TYPES



STAMP:

BID SET

RIVERSTONE
STRUCTURAL CONCEPTS

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PROJECT #:	R25-046
APPROVED:	JT
DRAWN:	TM
SCALE:	AS SHOWN
DATE:	4/23/2026

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GENERAL STRUCTURAL NOTES

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

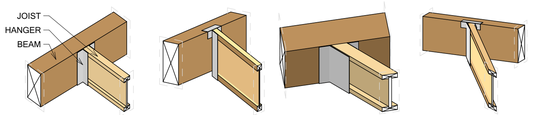
SHEET NUMBER:
S0.00

PLOT DATE: 4/23/2026, 4:42 PM
BIMcloud: trilogyarchitecture - BIMcloud Software as a Service/C1276 - Yurok Youth Center/C1276 - Yurok Youth Center - Rotated (2025-10-24)

ABBREVIATIONS

+/-	PLUS OR MINUS	LLH	LONG LEG HORIZONTAL
#	NUMBER OR POUNDS OR REBAR SIZE	LLV	LONG LEG VERTICAL
&	AND	LONG	LONGITUDINAL
@	AT	LSL	LAMINATED STRAND LUMBER
A.B.	ANCHOR BOLT	LT	LIGHT
AFF	ABOVE FINISH FLOOR	LVL	LAMINATED VENEER LUMBER
ABV	ABOVE	MFR	MANUFACTURER
ALT	ALTERNATIVE	MAX	MAXIMUM
ARCH	ARCHITECT OR ARCHITECTRUAL	MC	MISCELLANEOUS CHANNEL
B.B.	BACK TO BACK	MECH	MECHANICAL
B.F.	BALLOON FRAMED	MIN	MINIMUM
B.O.	BOTTOM OF	MISC	MISCELLANEOUS
B.O.C.	BOTTOM OF CONCRETE	M.L.	MASONRY LINTEL
B.N.	BOUNDARY NAILING	N	NORTH
BLDG	BUILDING	N.S.	NEAR SIDE
BLK	BLOCK	N-S	NORTH-SOUTH
BLKG	BLOCKING	NSG	NON-SHRINK GROUT
BM	BEAM	NOM	NOMINAL
BOT OR BTM	BOTTOM	NTS	NOT TO SCALE
C.C.	CENTER TO CENTER	O.C.	ON CENTER
CANT'D	CATILEVERED	O.F.	OUTSIDE FACE
C.L.	CONCRETE LINTEL	O.H.	OVERHANG
C_L	CENTER LINE	OPNG	OPENING
C.I.P.	CAST IN PLACE	OPP	OPPOSITE
C.J.	CEILING JOISTS OR CONTROL JOINT	OSB	ORIENTED STRAND BOARD
CJP	COMPLETE JOINT PENETRATION	P.A.	POST ABOVE
CLR.	CLEAR OR CLEARANCE	PAF	POWDER ACTUATED FASTENER
CMU	CONCRETE MASONRY UNIT	P.C.	PRE-CAST
CTRL	CONTROL	PCF	POUNDS PER CUBIC FOOT
CONN.	CONNECTION	PCWP	PRECAST WALL PANEL
CONST.	CONSTRUCTION	P.E.	PRE-ENGINEERED
CONT.	CONTINUOUS	PEN.	PENETRATION
CWP	CONCRETE WALL PANEL	PERIM	PERIMETER
DBA	DEFORMED BAR ANCHOR	PERP.	PERPENDICULAR
DBL	DOUBLE	PL.	PLATE
DEPR	DEPRESS OR DEPRESSION	PLF	POUNDS PER LINEAR FOOT
DET	DETAIL	PRELIM	PRELIMINARY
D.F.	DOUGLAS FIR	PSF	POUNDS PER SQUARE FOOT
DFL	DOUGLAS FIR LARCH	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PSL	PARALLEL STRAND LUMBER
DIAG	DIAGONAL	P.T.	PRESSURE / PRESERVATIVE TREATED OR POST-TENSIONED
DIM	DIMENSION	PLY.	PLYWOOD
DO	DITTO	QTY	QUANTITY
DWG	DRAWING	R.	REMAINING
DWL	DOWEL	RAD	RADIUS
E	EAST	R.C.	REINFORCED CONCRETE
EA	EACH	RECT.	RECTANGULAR
E.E.	EACH END	REF OR RE:	REFERENCE
E.F.	EACH FACE	REINF.	REINFORCING OR REINFORCED
E.J.	EXPANSION JOINT	REQ'd	REQUIRED
EL	ELEVATION	R.J.	ROOF JOISTS
ELEV	ELEVATOR	RND	ROUND
ENG.	ENGINEER	R.R.	ROOF RAFTERS
E.O.R.	ENGINEER OF RECORD	R.T.	ROOF TRUSSES
EQ.	EQUAL	S	SOUTH
E.S.	EACH SIDE	SCHED	SCHEDULE
EXIST. OR (E)-	EXISTING	SCL	STRUCTURAL COMPOSITE LUMBER
EXP.	EXPANSION	SECT	SECTION
EXT.	EXTERIOR	SF	STEP FOOTING
E.W.	EACH WAY	S.G.E.T.	STRUCTURAL GABLE END TRUSS
E.W.B.	EACH WAY, BOTTOM	SHT	SHEET
E.W.T.	EACH WAY, TOP	SHTG	SHEATHING
E-W	EAST-WEST	SIM	SIMILAR
FAB	FABRICATION	S.L.B.B.	SHORT LEGS BACK-TO-BACK
F.F.E.	FINISH FLOOR ELEVATION	SP.	SPACE
FIN.	FINISH	SPEC	SPECIFICATION
F.J.	FLOOR JOISTS	SPA.	SPACING
FLG	FLANGE	SQ.	SQUARE
FLR	FLOOR	SS	SELECT STRUCTURAL
FND	FOUNDATION	S.STL	STAINLESS STEEL
F.O.	FACE OF	STMS	SELF-TAPPING METAL SCREWS
F.O.S.	FACE OF STUDS	STAG	STAGGERED
F.S.	FAR SIDE	STD	STANDARD
F.T.	FLOOR TRUSS	STIFF.	STIFFENER
FT	FOOT	STL	STEEL
FTG	FOOTING	STRP	STIRRUP
FTW	FIRE TREATED WOOD	STRUCT	STRUCTURAL
GA	GAUGE	S.W.	SHEARWALL
GALV	GALVANIZED	SYM.	SYMMETRICAL
G.L.	GLU-LAM	T	TOP
GR.	GRADE	T & B	TOP AND BOTTOM
G.B.	GRADE BEAM	TEMP	TEMPORARY
G.C.	GENERAL CONTRACTOR	T & G	TONGUE AND GROOVE
G.T.	GIRDER TRUSS	TJI	TRUS JOIST I-JOIST
G.W.B.	GYPSUM WALL BOARD	T.O.B.	TOP OF BEAM
GYP.	GYPSUM	T.O.C.	TOP OF CURB / CONCRETE
HCA	HEADED CONCRETE ANCHOR	T.O.F.	TOP OF FOOTING
HDR	HEADER	T.O.S.	TOP OF STEEL
(H)-E.F.	HORIZONTAL, EACH FACE	T.O.W.	TOP OF WALL
(H)-I.F.	HORIZONTAL, INSIDE FACE	TR.	TRUSS
HNGR	HANGER	T.S.	STRUCTURAL TUBE STEEL
(H)-O.F.	HORIZONTAL, OUTSIDE FACE	TRANS OR (T	TRANSVERSE
HORIZ. OR (H)	HORIZONTAL	TWS	THREADED WELD STUD
HSS	HOLLOW STRUCTURAL SECTION	TYP.	TYPICAL
HT.	HEIGHT	U.N.O.	UNLESS NOTED OTHERWISE
HVAC	HEATING, VENTILATION, & AIR CONDITIONING	VAR	VARIES
I.F.	INSIDE FACE	(V)-E.F.	VERTICAL, EACH FACE
I.J.	ISOLATION JOINT	VERT OR (V)	VERTICAL
INSUL	INSULATION	V.I.F.	VERIFY IN FIELD
INT	INTERIOR	(V)-I.F.	VERTICAL, INSIDE FACE
J.S.	JACK STUD	(V)-O.F.	VERTICAL, OUTSIDE FACE
JST	JOIST	W	WEST
JT.	JOINT	w/	WITH
K	KIPS (1,000 LBS.)	w/o	WITHOUT
KLF	KIPS PER LINEAR FOOT	WD	WOOD
K.P.	KING POST	WF	WIDE FLANGE
K.S.	KING STUD	W.P.	WATERPROOF
KSF	KIPS PER SQUARE FOOT	WT	WEIGHT
KSI	KIPS PER SQUARE INCH	W.W.F.	WELDED WIRE FABRIC
L	ANGLE	XS	EXTRA STRONG (PIPE COLUMN)
LBS	POUNDS	XXS	DOUBLE EXTRA STRONG (PIPE COLUMN)
L.E.	LEFT END		
L.L.B.B.	LONG LEG BACK-TO-BACK		

HANGER SCHEDULE



FLAT-FACE MOUNT CONDITION | SLOPED / SKEWED-TOP FLANGE CONDITION | SKEWED-FACE MOUNT CONDITION | SLOPED / SKEWED-TOP FLANGE CONDITION

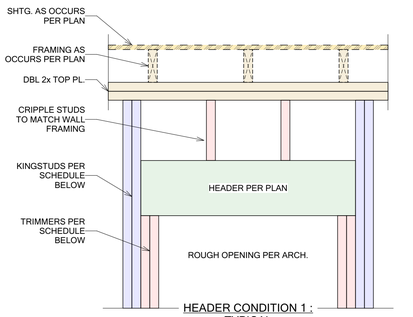
HEADER SCHEDULE

MARK	MEMBER	TRIMMER	KING STUD SCHEDULE		
			WALL HEIGHT	ROUGH OPENING (WIDTH)	KING STUD(S)
H1	(2)-2x8 DF #2	(1)- 2x6	10'-0" MAX	0'-0" - 8'-0"	(1)- 2x6
H2	(2)-1 3/4"x9 1/2" L.V.L.	(1)- 2x6		8'-0" - 13'-0"	(2)- 2x6
H3	(2)-1 3/4"x11 7/8" L.V.L.	(2)- 2x6	12'-0" MAX	0'-0" - 5'-0"	(1)- 2x6
H4	(3)-1 3/4"x11 7/8" L.V.L.	(2)- 2x6	14'-6" MAX	5'-0" - 13'-0"	(2)- 2x6
H5	(3)-1 3/4"x14" L.V.L.	(3)- 2x6		0'-0" - 4'-0"	(2)- 2x6
				4'-0" - 6'-0"	(2)- 2x6
				6'-0" - 13'-0"	(3)- 2x6

NOTE: 1. IF A SCENARIO OCCURS IN THIS PROJECT THAT IS NOT SPECIFICALLY COVERED BY THIS TABLE, CONTACT E.O.R. FOR MEMBER SIZE.

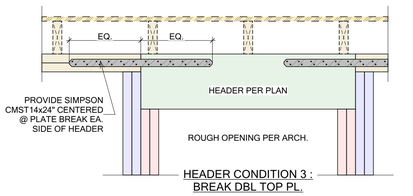
2. RE: TYPICAL DETAIL IN S1 SERIES FOR HEADER CONN. INFO NOT SHOWN HERE.

RE: S0.01 FOR HEADER GRAPHICS



HEADER CONDITION 1 : TYPICAL

HEADER CONDITION 2 : BREAK SINGLE PLY OF TOP PL.



HEADER CONDITION 3 : BREAK DBL TOP PL.

I-JOIST HANGER SCHEDULE

		FACE MOUNT		TOP FLANGE	
	WIDTH	FLAT	SLOPED/SKEWED	FLAT	SLOPED/SKEWED
11 7/8" DEPTH	2"	IUS2.06/11.88	--	ITS2.06/11.88	BA2.1/11.88
	2 5/16"	IUS2.37/11.88	HU3511/HUC3511	ITS2.37/11.88	BA2.37/11.88
	3 1/2"	IUS3.56/14	--	ITS3.56/11.88	BA3.56/11.88
14" DEPTH	2"	IUS2.06/14	--	ITS2.06/14	BA2.1/14
	2 5/16"	IUS2.37/14	HU3514/HUC3514	ITS2.37/14	BA2.37/14
	2 9/16"	IUS2.56/14	HU314/HUC314	ITS2.56/14	BA2.56/14
	3 1/2"	IUS3.56/14	--	ITS3.56/14	BA3.56/14
16" DEPTH	2"	IUS2.06/16	--	ITS2.06/16	BA2.1/16
	2 5/16"	IUS2.37/16	HU3516/22/HU3516/22	ITS2.37/16	BA2.37/16
	2 9/16"	IUS2.56/16	HU316/HUC316	ITS2.56/16	BA2.56/16
	3 1/2"	IUS3.56/16	--	ITS3.56/16	BA3.56/16

NOTE:
1. HANGERS TO BE BY SIMPSON STRONGTIE®
2. USE HANGERS IN THIS TABLE U.N.O. ON PLANS.
3. IF JOISTS ARE SUBSTITUTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EQUIVALENCE OF SUBSTITUTED HANGERS.
4. RE: SIMPSON WOOD CONSTRUCTION CONNECTOR CATALOG FOR SPECIFIC WEB STIFFENER REQUIREMENTS WITH REGARD TO HANGERS

SOLID SAWN & SCL HANGER SCHEDULE

NOMINAL DEPTH		FACE MOUNT		TOP FLANGE	
	WIDTH	FLAT	SLOPED/SKEWED	FLAT	SLOPED/SKEWED
8" DEPTH	1 1/2"	LUS26	HU28	JB28	HU28-2TF
	1 3/4"	HU7		BA1.81/7.25	
	3"	LUS26-2	HU28-2/HU28-2 (MAX)	HUS28-2TF	HU28-2TF
	3 1/2"	HU48/HUC48 (MAX)		BA3.56/7.25	
	4 1/2"	LUS28-3	HU26-3/HU26-3 (MAX)	--	
	5 1/4"	HU68/HUC68 (MAX)		BA5.50X	
10" DEPTH	1 1/2"	LUS28	HU210	JB210	HU210TF
	1 3/4"	HU9		BA1.81/9.25	
	3"	LUS28-2	HU210-2/HU210-2 (MAX)	HUS210-2TF	HU210-2TF
	3 1/2"	HU410/HUC410 (MAX)		ITS3.56/9.5	
	4 1/2"	LUS28-3	HU210-3/HU210-3 (MAX)	HU210-3TF	
	5 1/4"	HU610/HUC610 (MAX)		HGLTV / HB5.50/9.5	
12" DEPTH	1 1/2"	LUS210	HU212	JB212	HU212TF
	1 3/4"	HU11 (MAX)		ITS1.81/BA1.81	BA1.81
	3"	LUS210-2	HU212-2/HUC212-2	HUS212-2TF	HU212-2TF
	3 1/2"	U410		ITS3.56	BA3.56
	4 1/2"	LUS210-3	HU212-3/HUC212-3	HU212-3TF	
	5 1/4"	HU612/HUC612		BA5.37X	
14" DEPTH	1 3/4"	U14		ITS1.81	
	3 1/2"	HU416/HUC416		ITS3.56	
	5 1/4"	HU614/HUC614		HB5.5/14	
16" DEPTH	1 3/4"	U14		ITS1.81	
	3 1/2"	HU416/HUC416		ITS3.56	
	5 1/4"	HU616/HUC612		HGLTV / HB5.5/16	

NOTES:

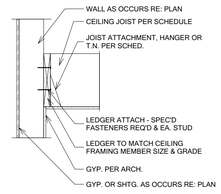
1. HANGERS TO BE BY SIMPSON STRONGTIE®
2. USE HANGERS IN THIS TABLE U.N.O. ON PLANS.
3. IF JOISTS ARE SUBSTITUTED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EQUIVALENCE OF SUBSTITUTED HANGERS.
4. (MAX) REFERENCES HIGHER VALUE OF HANGER IN SIMPSON MANUAL THAT REQUIRES MORE FASTENERS PER HANGER.
5. WHERE HANGER DEPTH IS NOT SPECIFICALLY STATED IN SCHEDULE, PROVIDE MAXIMUM DEPTH HANGER THAT MEMBER WILL ALLOW WITHIN THE SPECIFIED SERIES.
6. **FOR HANGER INSTALLED @ EXTERIOR APPLICATION PROVIDE SIMPSON ZMAX PROTECTION OR HOT-DIPPED GALVANIZED EQUIV.**

CEILING FRAMING SCHEDULE[2]

SPACING in O.C.	2x4	LEDGER ATTACH	JOIST ATTACH[3]	2x6	LEDGER ATTACH	JOIST ATTACH[3]	2x8	LEDGER ATTACH	JOIST ATTACH[3]	2x10	LEDGER ATTACH	JOIST ATTACH[3]
12	12'-5"	(2)-16d	(2)-16d	19'-6"	(2)-16d	U26	25'-8"	(2)-16d	U28	26' MAX[1]	(2)-SDS 1/4"x2 1/2"	U28
16	11'-3"	(2)-16d	(2)-16d	17'-8"	(2)-16d	U26	23'-0"	(2)-16d	U28	26' MAX[1]	(2)-SDS 1/4"x2 1/2"	U28
24	9'-10"	(2)-16d	(2)-16d	14'-10"	(2)-16d	U26	18'-9"	(2)-16d	U28	22'-11"	(2)-SDS 1/4"x2 1/2"	U28

NOTES:

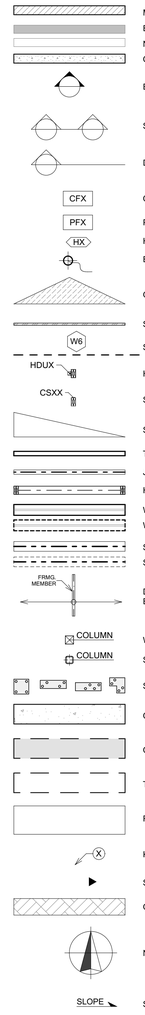
1. CONTACT E.O.R. FOR SPANS EXCEEDING 26'
2. ALL LUMBER TO BE DFL#2 TYP.
3. WHERE NAILS ARE SPEC'D AS JOIST ATTACHMENT PROVIDE SPEC'D NAILS EA. SIDE OF JOIST TOENAILED



NOTE TO CONTRACTOR REGARDING PRICING/BIDDING OF PROGRESS DRAWINGS:

THESE DRAWINGS HAVE BEEN PREPARED FOR PROGRESS REVIEW AND COORDINATION AND ARE NOT 100% CONSTRUCTION DOCUMENTS. IF THESE DOCUMENTS ARE TO BE USED FOR PRICING, BID, OR STEEL MILL ORDER, THE CONTRACTOR SHALL PROVIDE IN THE PROJECT BUDGET AN ALLOWANCE FOR THE COMPLETION OF THE STRUCTURAL DESIGN. THIS ALLOWANCE SHALL BE CARRIED UNTIL ALL SHELL BUILDING PERMITS ARE OBTAINED, AND FINAL CONSTRUCTION DOCUMENTS ARE ISSUED. AS THESE DRAWINGS ARE NOT ISSUED FOR CONSTRUCTION, CHANGES TO STRUCTURAL COMPONENTS SHOWN ARE POSSIBLE. ADDITIONALLY, MISCELLANEOUS ITEMS MAY NOT BE SHOWN ON THESE DRAWINGS. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, ARCHITECTURAL ACCENTS AND CANOPIES, EDGE ANGLES, BRACING, CLADDING SUPPORT STEEL, EQUIPMENT SUPPORTS, BLOCKOUTS, ETC. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND OTHER SPECIALTY DRAWINGS FOR ADDITIONAL INFORMATION. THE BUDGET ALLOWANCE SHALL INCLUDE THESE ITEMS. THE STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR ANY CHANGE ORDER COSTS INCURRED (INCLUDING DISCARDED MATERIAL COSTS) DUE TO BIDDING OR STEEL MILL ORDER FROM PROGRESS DRAWINGS. CONTACT STRUCTURAL ENGINEER FOR CLARIFICATION IF THE SCOPE AND QUANTITY OF ALLOWANCE TO BE CARRIED IS NOT CLEAR.

SYMBOL DIRECTORY



MASONRY WALL
BEARING WALL
NON-BEARING WALL
CONCRETE WALL
ELEVATION REFERENCE
SECTION REFERENCE
DETAIL REFERENCE
CONTINUOUS FOOTING SYMBOL
PAD FOOTING SYMBOL
HEADER CALLOUT
ELEVATION SYMBOL
OVERBUILD FRAMING
SHEATHING
SHEARWALL SYMBOL
HOLDOWN SYMBOL
STRAP SYMBOL
SNOW DRIFT LOADING
TRUSS
JOIST
HEADER
WOOD BEAM FLUSH
WOOD BEAM DROPPED
STEEL BEAM FLUSH
STEEL BEAM DROPPED
DIAGRAMMATIC EXTENT OF FRAMING
WOOD COLUMN
STEEL COLUMN
STEEL BASEPLATE
CONCRETE SLAB
CONCRETE FOOTING OUTLINE
THICKENED SLAB OUTLINE
ROOF OUTLINE
KEYNOTE REFERENCE
STEEL MOMENT WELDED CONN.
GRADE
NORTH ARROW
SLOPE SYMBOL

MASTER KEYNOTE SCHEDULE

MK.	NOTE
1	4" SLAB ON GRADE w/ #4 BAR @ 27" O.C. E.W. CENTERED IN SLAB
2	HATCH INDICATES ELEVATED ROOF, SEE SECTION XXX
3	HATCH INDICATES OVERBUILD PER CONTRACTOR
4	3/4" APA RATED FLOOR SHTG. PER TYP. DET. 031. PROVIDE CONSTRUCTION ADHESIVE @ ALL FRAMING SUPPORTS
5	HATCH INDICATES DECK FRAMING LOCATION
6	FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
7	CONCEALED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
8	SLOPED/SKEWED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
9	5/8" APA RATED ROOF SHTG. PER TYP. DET. 031
10	5/8" APA RATED ROOF SHTG. PER TYP. DET. 031
11	FRAMING ELEVATION STEP
12	SIMPSON CS14 PER DRAG STRAP SCHEDULE
13	SIMPSON CMST14 PER DRAG STRAP SCHEDULE
14	4x6 SOLID BLKG. @ DRAG STRAP. SEE DRAG STAP SCHEDULE FOR LENGTH INTO DIAPHRAGM
15	SKEWED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
16	SLOPED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
17	SLOPED/CONCEALED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
18	STEP IN TOP OF CONC. SLAB
19	PROVIDE CONT. B.N. ENTRIE LENGTH OF DRAG TRUSS
20	TYP. FASCIA FRAMING
21	STEP TOP OF CONC. WALL
22	STEP FOOTING PER TYP. DET. 001
23	INDICATES FLATWORK BY OTHER
24	SITE WALLS TBD
25	PROVIDE (2)-TRIMMERS THIS LOC.

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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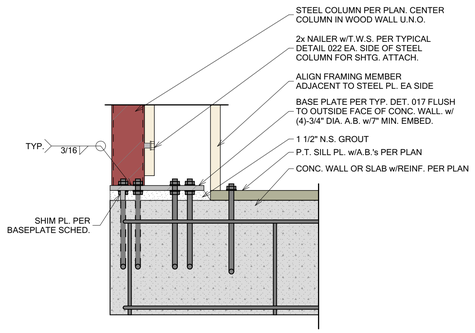
GENERAL NOTES & SCHEDULES

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

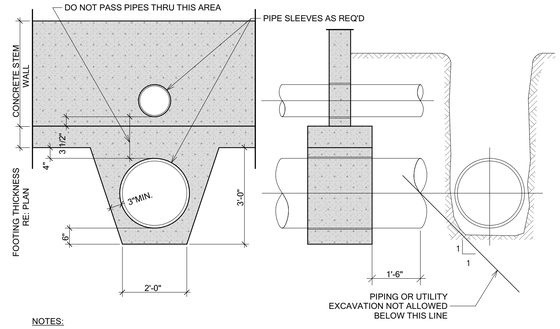
REVISION SCHEDULE

SHEET NUMBER: S0.01

PLOT DATE: 4/23/2026 4:42 PM BIMcloud Integrationteam - BIMcloud Software as a Service/CD26 - Yurok Youth Center/CD26 - Rosted (2600.16.24)



011B TYP. BASEPLATE @ CORNER WALL 1" = 1'-0"

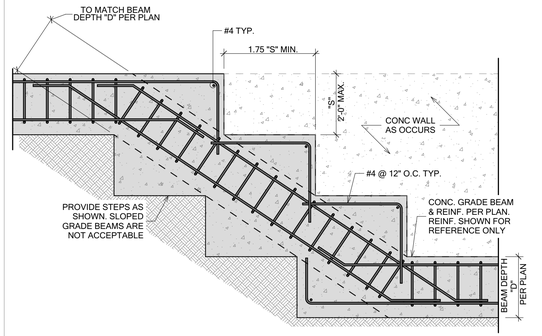


NOTES:

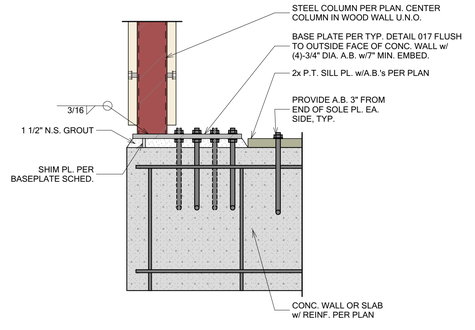
1: SEE PLAN FOR ALL REINFORCEMENT REQUIREMENTS NOT SHOWN HERE.

2: WHERE PIPES ARE REQUIRED WITHIN THIS FOOTING THICKNESS LEVEL, STEP FOOTING AS REQUIRED TO PASS PIPES THROUGH THE STEM WALL.

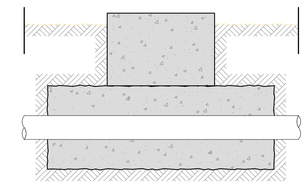
004 TYP. WALL PENETRATION 1" = 1'-0"



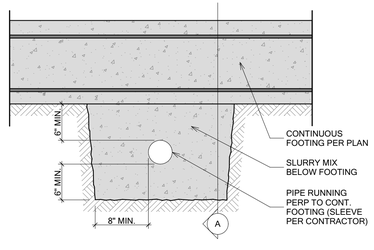
001 TYP. STEP FOOTING 1" = 1'-0"



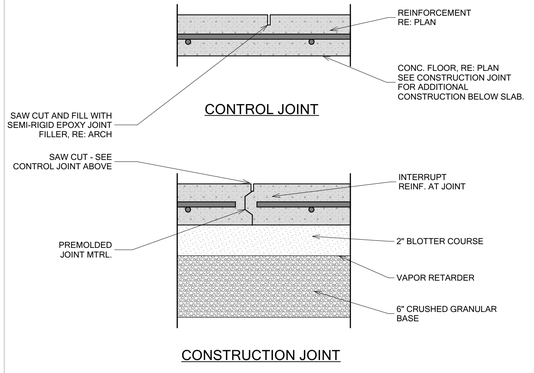
011C TYP. BASEPLATE @ END WALL 1" = 1'-0"



SECTION A



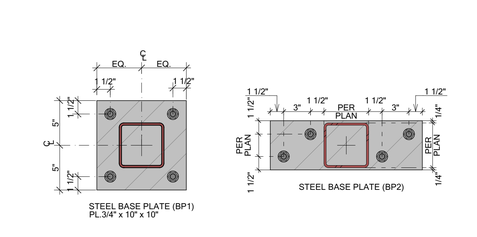
005 TYP. PIPE UNDER FOOTING 1" = 1'-0"



CONTROL JOINT

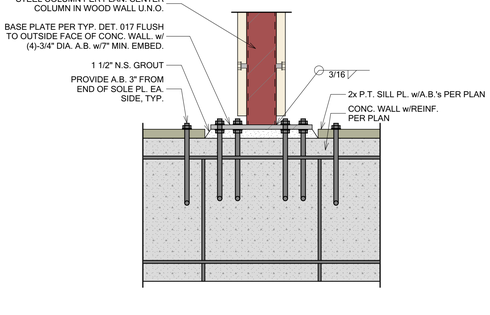
CONSTRUCTION JOINT

002 TYP. SUBGRADE SLAB PREPERATION 1" = 1'-0"

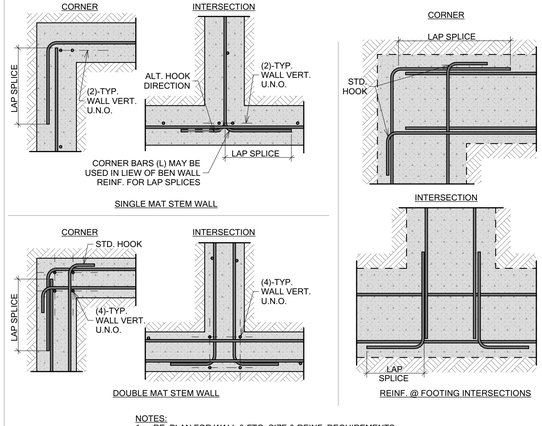


NOTES:
1. ALL BASEPLATES TO BE 3/4" U.N.O. IN PLAN OR DETAILS.
2. ALL ANCHOR BOLTS ARE TO BE 3/4" w/ 7" MIN. EMBED U.N.O. IN PLAN OR DETAILS.
3. RE: GSN's FOR ALL ALL STEEL, WELDING, AND FASTENER NOTES

017 TYP. BASEPLATE SCHEDULE 1" = 1'-0"



011A TYP. BASEPLATE @ MIDWALL 1" = 1'-0"



NOTES:
1. RE: PLAN FOR WALL & FTG. SIZE & REINF. REQUIREMENTS
2. USE TENSION LAP SPLICES PER GSN'S
3. CORNER BARS MAY BE USED IN LIEU OF BENT REINF. BARS FOR LAP SPLICES

003 TYP. CORNER/INTERSECTION REINF. 1" = 1'-0"

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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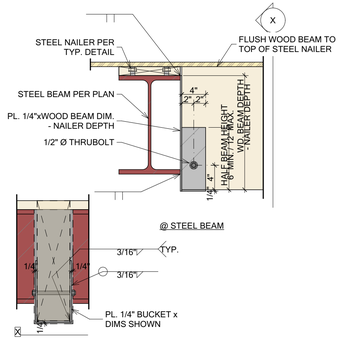
TYPICAL FOUNDATION DETAILS

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

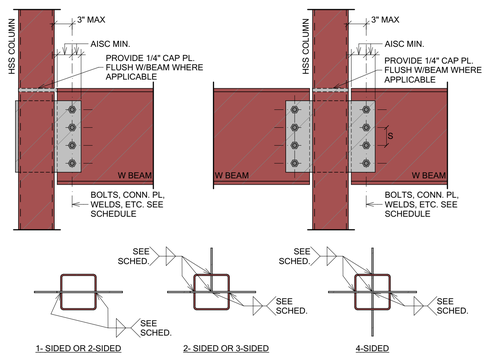
REVISION SCHEDULE

SHEET NUMBER: S0.10

PLOT DATE: 4/23/2026, 4:42 PM BIMcloud Image/Interface: BIMcloud Software as a Service/21276 - Yurok Youth Center/21276 - Revised (2025-10-24).rvt



025 TYP. WOOD BEAM TO STEEL 1" = 1'-0"

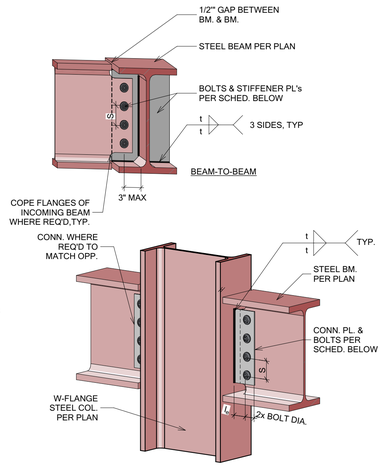


NOTES:
1. DRILL STRESS RELIEVING HOLE PRIOR TO SLOTTING TUBE, HOLE SHALL BE 1/8" LARGER THAN PLATE WIDTH.

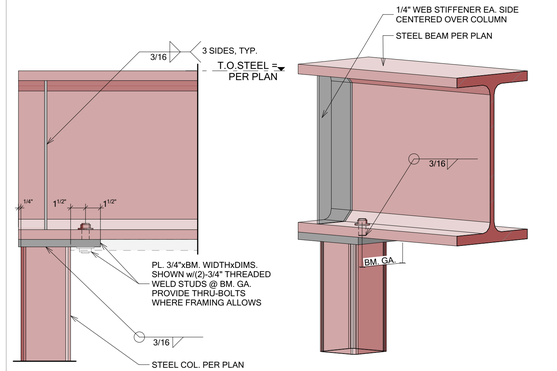
BOLTED SHEAR PLATE CONNECTION SCHEDULE

NOMINAL MEMBER DEPTH	BOLTS NO. & SIZE	SHEAR PL. THICKNESS (in)	(t)SIZE OF FILLET WELD (in)
8-10"	(2)- 3/4" DIA.	3/8	5/16
12-14"	(3)- 3/4" DIA.	3/8	5/16
16"	(4)- 3/4" DIA.	3/8	5/16
18"	(5)- 3/4" DIA.	3/8	5/16
21"	(6)- 3/4" DIA.	3/8	5/16
24"	(7)- 3/4" DIA.	3/8	5/16
27"	(8)- 3/4" DIA.	3/8	5/16
30-33"	(9)- 3/4" DIA.	9/16	7/16
36-40"	(10)- 3/4" DIA.	9/16	7/16

NOTES:
1. ALL 3/4" DIA. BOLTS SHALL BE A325-N. ALL 1" DIA. BOLTS SHALL BE A490-N.
2. PROVIDE LARGER WELDS WHERE MAY BE REQ'D BY AISC.
3. USE LARGER PLATES AND WELDS WHERE REQ'D BY BRACE FRAME CONNECTIONS OR OTHER SPECIFIC DETAILS.
4. S = 3", OR 2 2½ x BOLT DIA. IF REQ'D.
5. ℓe = 1 ½", OR 1 ¼" IF REQ'D.

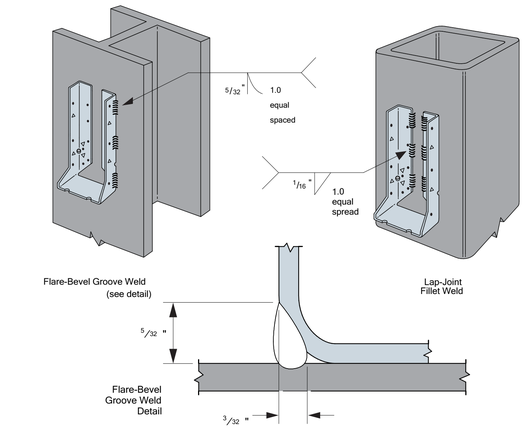


021 TYP. SHEAR TAB 1" = 1'-0"



STEEL BEAM TO STEEL COLUMN

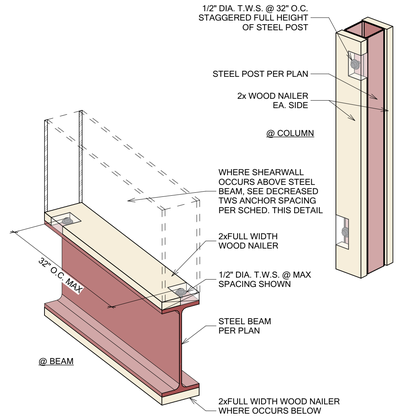
020A STEEL BEAM TO STEEL COL. 1" = 1'-0"



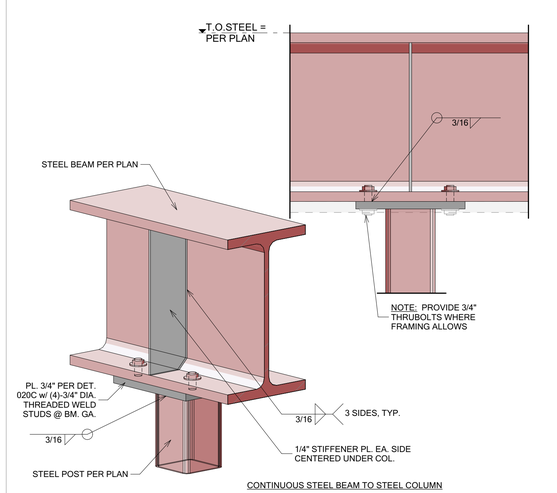
024 WELDED HUC HANGER 1" = 1'-0"

SHEARWALL SCHEDULE AT STEEL BEAM	
SYMBOL	CONN. TO STEEL BEAM NAILER
W6	1/2" T.W.S. @ 32" O.C. STAGGERED
W4	1/2" T.W.S. @ 32" O.C. STAGGERED
W3	1/2" T.W.S. @ 25" O.C. STAGGERED
W2	1/2" T.W.S. @ 19" O.C. STAGGERED
W4	1/2" T.W.S. @ 16" O.C. STAGGERED
W3	1/2" T.W.S. @ 12" O.C. STAGGERED
W2	1/2" T.W.S. @ 6" O.C. STAGGERED

NOTES:
1. EMBED NUT IN NAILER OR ROUT SHEATHING AS REQ'D TO AVOID CONFLICT.
2. CONTRACTORS OPTION TO USE TB1460S SCREWS @ 32" O.C. WHERE THE STEEL THICKNESS IS 5/16" OR LESS IN LIEU OF T.W.S.
3. T.W.S. STANDS FOR THREADED WELD STUD



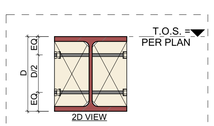
022 TYP. 2x NAILER 1" = 1'-0"

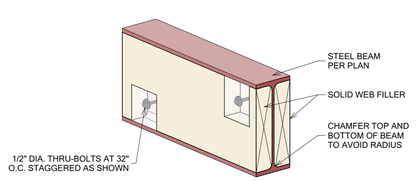


CONTINUOUS STEEL BEAM TO STEEL COLUMN

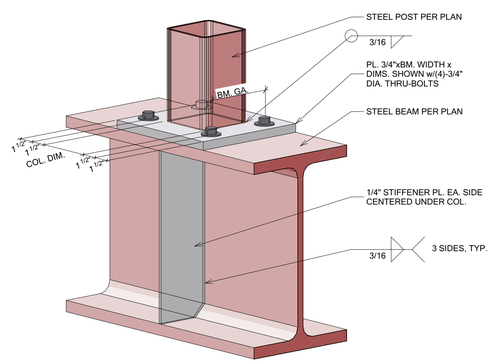
020B STEEL BEAM OVER STEEL COL. 1" = 1'-0"

NOTES:
1. PROVIDE SINGLE SIDED CONNECTION WHERE REQ'D.
2. CONTRACTOR TO COUNTER-SINK AS REQ'D @ FACEMOUNT HANGER CONFLICT
3. 1/2" DIA. T.W.S. MAY BE USED IN LIEU OF THRU-BOLTS





023 TYP. STEEL BEAM WEB PACK 1" = 1'-0"



020C STEEL COL. CARRIED @ STEEL BEAM 1" = 1'-0"

STAMP:
BID SET
RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
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PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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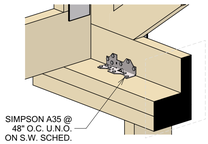
TYPICAL STEEL DETAILS

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

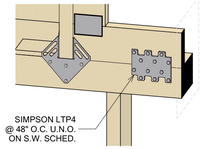
REVISION SCHEDULE

SHEET NUMBER: S0.11

PLOT DATE: 4/23/2026 4:42 PM BIMcloud: Inkgunthecker - BIMcloud Software as a Service\21276 - Yurok Youth Center\21276 - Master] [2025.10.24]

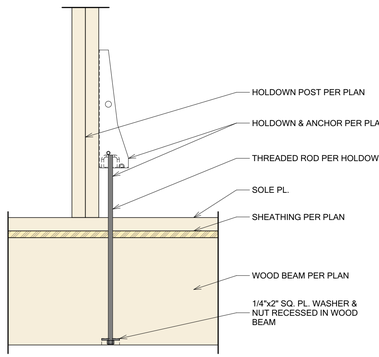


SHEAR CONN. OVER WALL OPTION 1



SHEAR CONN. OVER WALL OPTION 2

035 TYP. SHEAR CONN. OVER WALL 1" = 1'-0"



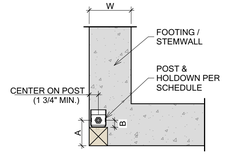
036 TYP. HOLDOWN TO WOOD BEAM 1 1/2"= 1'-0"

HOLDOWN	ANCHOR BOLT (SEE NOTE 1-5)		POST SIZE (SEE NOTE 6, 7)			
			2x4 WALL			2x6 (MIN.) WALL
	TYPE	EMBEDMENT (MIN.)	8'-0" ^{FL} (MAX.)	10'-0" ^{FL} (MAX.)	12'-0" ^{FL} (MAX.)	12'-0" ^{FL} (MAX.)
HDU2	OR SB 5/8x24	16"	DBL. 2x	DBL. 2x	DBL. 2x	DBL. 2x
	SSTB16	12 5/8"				
HDU4	OR SB 5/8 24	18"	DBL. 2x	DBL. 2x	6x	DBL. 2x
	SSTB20	16 5/8"				
HDU5	OR SB 5/8 24	18"	4x	4x	6x	DBL. 2x
	SSTB24	20 5/8"				
HDU8	OR SB 7/8x24	18"	6x	6x	8x	4x
	SSTB28	24 7/8"				
HDU11	OR SB 7/8x24	18"	6x	6x	8x PSL	6x
	SSTB28	24 7/8"				
HDU14	SB1x30	24"	6x	6x	8x PSL	6x

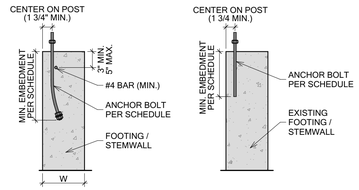
THREADED ROD (ALTERNATIVES)

HDU2	5/8" Ø THREADED ROD	10"	DBL. 2x	DBL. 2x	DBL. 2x	DBL. 2x
HDU4	5/8" Ø THREADED ROD	12"	DBL. 2x	DBL. 2x	4x6	DBL. 2x
HDU8	7/8" Ø THREADED ROD	15"	6x	6x	6	4x

ANCHOR BOLT	A	W
SB 5/8x24	4 1/4"	6"
SB 7/8x24	4 1/4"	8"
SB1x30	5"	8"
SSTB16	5"	6"
SSTB20	5"	6"
SSTB24	5"	6"
SSTB 28	5"	8"



PLAN VIEW



CAST-IN-PLACE ANCHOR BOLT RETROFIT ANCHOR BOLT

NOTES:
1. CONCRETE AT ANCHOR BOLT SHALL BE A SINGLE POUR (NO COLD JOINT), UNLESS SPECIFICALLY DETAILED OTEHRWISE.
2. BOTTOM OF ANCHOR BOLT SHALL HAVE 3" MINIMUM CONCRETE COVER TO SOIL. WHERE FOOTING NEEDS TO BE DEEPENED TO ACCOMMODATE THIS, DEEPENED FOOTING SHALL EXTEND THE LENGTH OF THE SHEAR WALL AND 12" MINIMUM BEYOND THE ANCHOR BOLTS AT EACH END.
3. SSTBL SHALL BE SUBSTITUTED FOR SSTB AT 3x SILL PLATES.
4. RETROFIT ANCHOR BOLTS INTO CONCRETE SHALL USE SIMPSON'S 'SET-XP' EPOXY (ESR-2508) WITH SPECIAL INSPECTION. RETROFIT ANCHOR BOLTS INTO MASONRY SHALL USE SIMPSONS 'SET' EPOXY (ESR-1772) WITH SPECIAL INSPECTION.
5. AT RAISED WOOD FLOOR FOUNDATION, USE A 'CNW' COUPLER NUT TO ATTATCH ANCHOR BOLT TO AN F1554, GRADE 36 THREADED ROD TO EXTEND AND ATTATCH TO HOLDOWN.
6. DOUBLE 2x POST SHALL BE ATTACHED WITH 10d @ 16" O.C., STAGGERED (U.N.O.).
7. WHERE SPECIFIED, USE POST SIZE AS CALLED OUT ON PLANS.
8. WHERE EQUAL STRAP LENGTH ON POST AND BEAM IS NOT AVAILABLE DUE TO BEAM DEPTH, STRAP SHALL BE INSTALLED WITH THE BOTTOM OF THE STRAP FLUSH WITH THE BOTTOM OF THE BEAM.

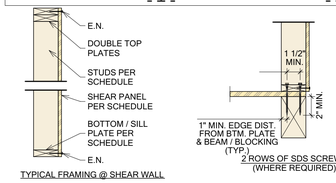
033 TYP. HOLDOWN SCHEDULE 1" = 1'-0"

SYMBOL	CAPACITY (PLF)	SHEAR PANEL AND EDGE NAILING (SEE NOTES 1-7)	SILL PLATE & ANCHOR BOLTS (SEE NOTE 12, 15-18)	FRAMING MEMBER @ ADJOINING PANEL EDGE	BOTTOM PLATE & NAILS / SCREWS (SEE NOTES 11-14)	SHEAR TRANSFER HARDWARE (SEE NOTE 10)
W6	260 - SEIS. 365 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 6" O.C.	2x P.T. PLATE w/ 1/2"x10" A.B. @ 48" O.C.	(2)-2x OR (1)-3x	2x PLATE w/ 16d @ 8" O.C. (OR SDS SCREWS @ 16" O.C.)	A35 OR LTP4 @ 24" O.C. -OR- 16d @ 8" O.C.
W4	380 - SEIS. 532 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 4" O.C.	2x P.T. PLATE w/ 1/2"x10" A.B. @ 32" O.C.	(2)-2x OR (1)-3x	2x PLATE w/ 16d @ 5" O.C. (OR SDS SCREWS @ 10" O.C.)	A35 OR LTP4 @ 16" O.C. -OR- 16d @ 5" O.C.
W3	490 - SEIS. 685 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 3" O.C.	2x P.T. PLATE w/ 1/2"x10" A.B. @ 24" O.C.	(2)-2x OR (1)-3x	2x PLATE w/ 16d @ 4" O.C. (OR SDS SCREWS @ 8" O.C.)	A35 OR LTP4 @ 12" O.C. -OR- 16d @ 4" O.C.
W2	640 - SEIS. 895 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 2" O.C.	(1)-2x P.T. PL. & (1)-2x PL. w/ 1/2"x12" A.B. @ 16" O.C.	(4)-2x OR (1)-3x	2x PLATE w/ 16d @ 3" O.C. (OR SDS SCREWS @ 6" O.C.)	A35 OR LTP4 @ 10" O.C.
W4	760 - SEIS. 730 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 4" O.C. EA. SIDE	(1)-2x P.T. PL. & (1)-2x PL. w/ 1/2"x12" A.B. @ 16" O.C.	(4)-2x OR (1)-3x	(2)-2x6 (MIN) PLATE w/ SDS SCREWS @ 6" O.C. (STAGGERED-2 ROWS @ 6" O.C.) INTO 4x (MIN.) BEAM/BLKG	A35 OR LTP4 @ 8" O.C.
W3	930 - SEIS. 1370 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 3" O.C EA. SIDE	(1)-2x P.T. PL. & (1)-2x PL. w/ 1/2"x12" A.B. @ 12" O.C.	(4)-2x OR (1)-3x	(2)-2x6 (MIN) PLATE w/ SDS SCREWS @ 5" O.C. (STAGGERED-2 ROWS @ 6" O.C.) INTO 4x (MIN.) BEAM/BLKG	A35 OR LTP4 @ 8" O.C.
W2	1280 - SEIS. 1790 - WIND	7/16" APA RATED PLYWOOD w/ 8d @ 2" O.C. EA. SIDE	(1)-2x P.T. PL. & (1)-2x PL. w/ 1/2"x12" A.B. @ 12" O.C.	(4)-2x OR (1)-3x	(2)-2x6 (MIN) PLATE w/ SDS SCREWS @ 4" O.C. (STAGGERED-2 ROWS @ 6" O.C.) INTO 4x (MIN.) BEAM/BLKG	A35 OR LTP4 @ 6" O.C.
"W"	1740 - SEIS. 2435 - WIND	19/32" APA RATED PLYWOOD w/ 10d @ 2" O.C. EA SIDE	2x6 (MIN.) P.T. PLATE w/ 5/8" Ø A.B. @ 8" O.C. (TITAN-HD NOT ACCEPTABLE)	(4)-2x OR (1)-3x	(2)-2x6 (MIN) PLATE w/ SDS SCREWS @ 2 1/2" O.C. (STAGGERED-2 ROWS @ 5" O.C.) INTO 4x (MIN.) BEAM/BLKG	A35 OR LTP4 @ 4" O.C.

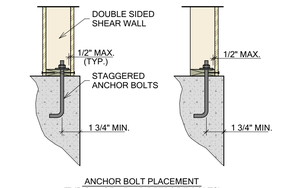
ALL WALLS w/ PLYWOOD ARE TO BE FRAMED AND NAILED AS W6 WALLS MINIMUM U.N.O. IN PLAN

W# INDICATES SHEARWALL W# INDICATES DOUBLE SIDED SHEARWALL

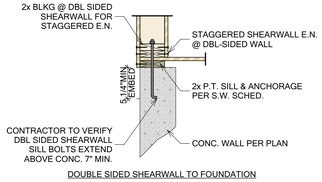
NOTES:
1. SHEAR PANELS SHALL BE APPLIED DIRECTLY TO STUD FRAMING
2. ALL EDGES OF ALL SHEAR PANELS SHALL BE SUPPORTED AND FASTENED TO FRAMING MEMBERS OR BLOCKING. PANELS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE STAGGERED, SPLICED JOINTS. ALL SPLICED JOINTS SHALL BE BLOCKED WITH 2x BLOCKING (MIN.).
3. OSB OF THE SAME TYPE AS SPECIFIED CAN BE USED IN LIEU OF PLYWOOD.
4. ONLY COMMON OR GALVANIZED BOX NAILS SHALL BE USED FOR SHEAR PANEL ATTACHMENT. GALVANIZED NAILS SHALL BE HOT DIPPED OR TUMBLED. NAILS SHALL BE DRIVEN WITH THE HEAD OF THE NAIL FLUSH WITH THE SURFACE OF THE SHEATHING.
5. ALL SHEAR PANEL NAILS AT INTERMEDIATE FRAMING MEMBERS (F.N.) SHALL BE THE SAME SIZE AS NAILS SPECIFIED FOR EDGE NAILING AND SPACED @ 12" O.C.
6. PROVIDE 3/8" MIN. EDGE DISTANCE FOR ALL SHEAR PANEL EDGE NAILING.
7. STUDS SHALL BE 2x (MIN.) AND SPACED @ 16" O.C. (MAX).
8. FRAMING AT ADJOINING SHEAR PANEL EDGES SHALL BE 3x (MIN.) AND NAILS SHALL BE STAGGERED. DOUBLE 2x MEMBERS ARE ALLOWED FOR SHEAR WALL TYPES W6, W4, & W3 AND SHALL BE SISTERED W/ 10d @ 4" O.C.
9. WHERE SHEAR PANELS ARE APPLIED TO BOTH FACES OF A WALL, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING MEMBERS SHALL BE 3x (MIN.) AT AJOINING PANEL EDGES AND NAILS SHALL BE STAGGERED.
10. WHERE LTP4 IS INSTALLED OVER SHEATHING (1/2" THICK, MAX), 8d COMMONS SHALL BE USED.
11. ONLY COMMON NAILS SHALL BE USED FOR BOTTOM PLATE ATTACHMENT.
12. SEE WOOD NOTES (SHEET S0.00) FOR ATTACHMENT INTO PRESSURE TREATED LUMBER.
13. WHERE BOTTOM PLATE NAILING GOES THROUGH FLOOR SHEATHING THICKER THAN 3/4", USE SDS SCREWS ONLY.
14. SDS SCREWS SHALL PENETRATE 2" MINIMUM INTO RIM / BLOCKING. WHERE STAGGERED SDS SCREWS ARE CALLED OUT, THEY SHALL BE IN 2 ROWS WITH 1 1/2" MINIMUM SPACING BETWEEN ROWS AND 1" FROM EACH EDGE OF RIM / BLOCKING.
15. ANCHOR BOLTS SHALL BE EMBEDDED 7" (MIN.) INTO NEW POURED IN-PLACE CONCRETE. AT EXISTING CONCRETE, RETROFIT ANCHOR BOLTS SHALL BE 5/8" Ø THREADED RODS WITH 5" (MIN.) EMBEDMENT INSTALLED USING SIMPSON'S 'SET-XP' EPOXY (ESR-2508) WITH SPECIAL INSPECTION. ALTERNATIVELY, RETROFIT ANCHOR BOLTS CAN BE 5/8" Ø x 6" LONG TITEN-HD ANCHORS (ESR-2713) WITH SPECIAL INSPECTION.
16. FOUNDATION ANCHOR BOLTS (NEW AND RETROFIT) SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL PER ASTM B695, CLASS 55 AND HAVE A STEEL PLATE WASHER UNDER EACH NUT NOT LESS THAN 0.229"x3"x3" IN SIZE. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1 3/4", PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH THE SHEAR PANEL.
17. WELDED STEEL STUDS SHALL BE USED WHERE THE SHEAR WALL STACKS OVER A STEEL BEAM. THE STEEL STUD DIAMETER AND SPACING SHALL MATCH THAT OF THE ANCHOR BOLTS SHOWN IN THE SCHEDULE.
18. ALL WALLS FRAMED WITH PLYWOOD OR OSB, INCLUDING NON-SHEAR, SHALL BE FRAMED AND NAILED AS W6 WALLS MINIMUM U.N.O. IN PLAN.
19. FOR DOUBLE SIDED SHEARWALL ATTACHMENT TO CONC. SEE BELOW.



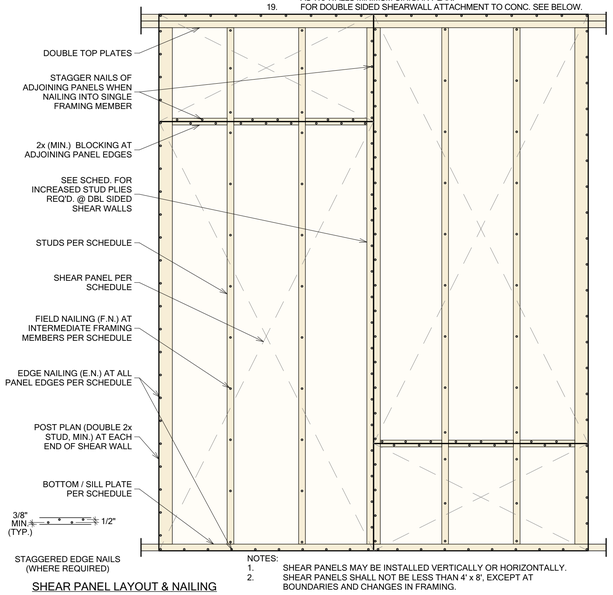
TYPICAL FRAMING @ SHEAR WALL



ANCHOR BOLT PLACEMENT
(TYPICAL OF NEW & RETROFIT BOLTS)



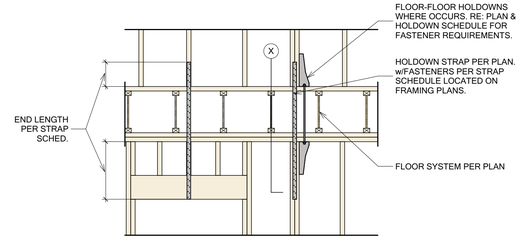
DOUBLE SIDED SHEARWALL TO FOUNDATION



SHEAR PANEL LAYOUT & NAILING

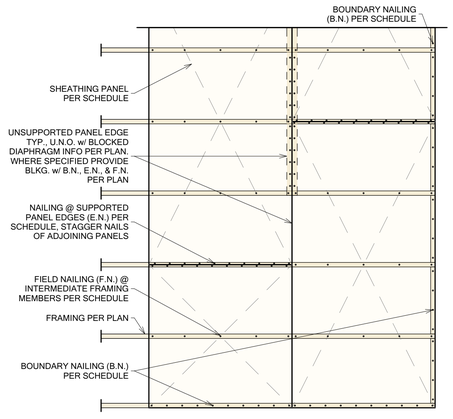
NOTES:
1. SHEAR PANELS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.
2. SHEAR PANELS SHALL NOT BE LESS THAN 4' x 8', EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING.

030 TYP. SHEARWALL DETAIL 1" = 1'-0"



NOTES:
1: FOR INFORMATION NOT SHOWN HERE, RE: TYPICAL SHEARWALL DETAIL.

034 TYP. FLOOR TO FLOOR STRAP 1" = 1'-0"



LOCATION	THICKNESS	SPAN RATING	MAX. RAFTER/ JOIST SPACING	NAIL TYPE	NAIL SPACING @ DIAPHRAGM BOUNDARIES (B.N.) & SUPPORTED PANEL EDGES (E.N.)
ROOF	5/8"	40/20	24" O.C.	8d	6" O.C.
FLOOR	3/4"	48/24	16" O.C.	10d	6" O.C.

NOTES:
1. ALL SHEATHING SHALL BE APA RATED, EXPOSURE 1
2. FLOOR SHEATHING SHALL BE T&G STURD-I-FLOOR AND SHALL BE GLUED AND NAILED.
3. PLYWOOD OR OSB CAN BE USED.
4. THICKER SHEATHING THAN INDICATED SHALL NOT BE USED WITHOUT WRITTEN CONSENT FROM THE ENGINEER OF RECORD AS NAILS SIZE MAY NEED TO BE ALTERED.
5. NAILS AT INTERMEDIATE FRAMING MEMBERS (F.N.) SHALL BE THE SAME SIZE AS INDICATED IN CHART AND BE SPACED @ 12" O.C.
6. ONLY COMMON NAILS SHALL BE USED. NAILS SHALL BE DRIVEN WITH THE HEAD OF THE NAIL FLUSH WITH THE SURFACE OF SHEATHING.
7. NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE EDGES OF PANELS.
8. PANELS SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO FRAMING.
9. PANEL JOINTS PARALLEL TO FRAMING MEMBERS SHALL BE STAGGERED.
10. PANELS SHALL NOT BE LESS THAN 4' x 8' EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM PANEL DIMENSIONS SHALL BE 24".
11. BOUNDARY NAILING (B.N.) SHALL BE PROVIDED @ ALL BEARING WALLS AND FLUSH BEAMS / DRAG MEMBERS.
12. WHERE A BLOCKED DIAPHRAGM IS SPECIFIED ON PLANS, USE 2x4 FLAT BLOCKING AND E.N. PANELS. USE SIMPSON 'Z' CLIPS TO ATTACH BLOCKING TO FRAMING MEMBERS.
13. PROVIDE CONSTRUCTION ADHESIVE AT ALL SUPPORTS AT FLOOR SHEATHING.

031 TYP. SHTG. SCHEDULE 1" = 1'-0"

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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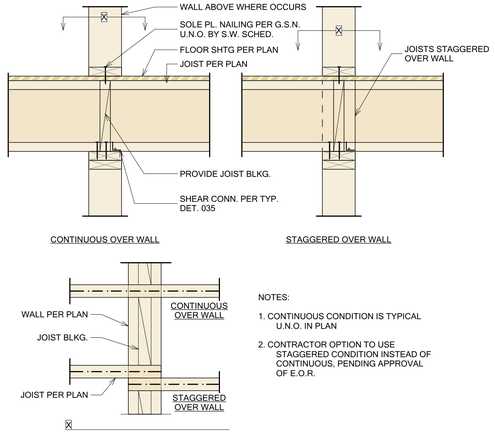
TYPICAL SHEAR DETAILS

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

SHEET NUMBER: S0.12

PLOT DATE: 4/23/2026, 4:42 PM BIMcloud: Integrum/Structure - BIMcloud (Software as a Service/CI129) - Yurok Youth Center/CI129 - Rotated [2025-10-24]

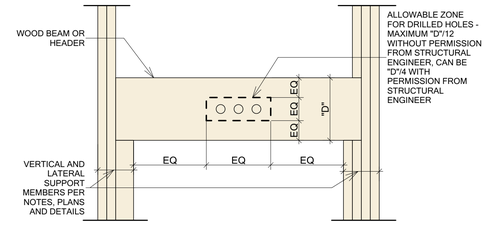


NOTES:

1. CONTINUOUS CONDITION IS TYPICAL U.N.O. IN PLAN
2. CONTRACTOR OPTION TO USE STAGGERED CONDITION INSTEAD OF CONTINUOUS, PENDING APPROVAL OF E.O.R.

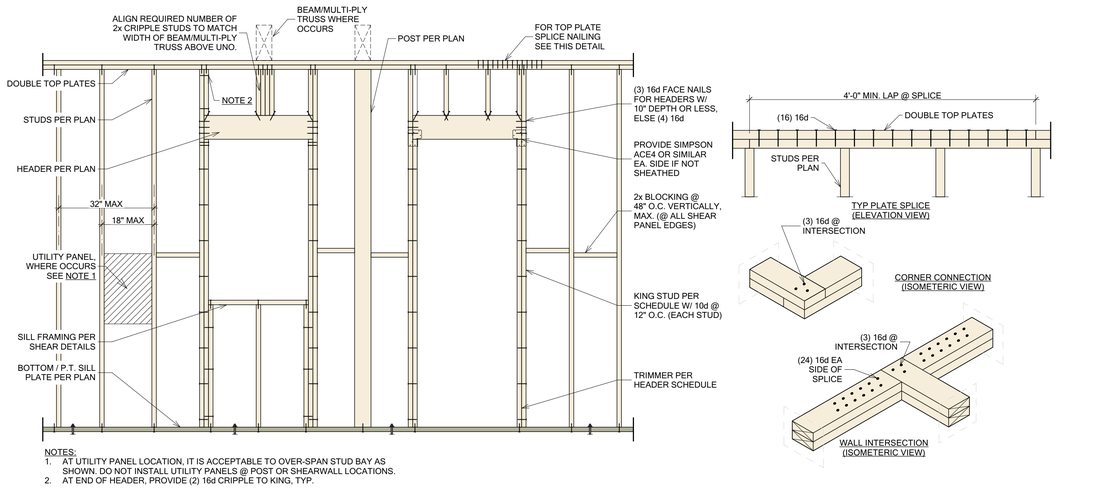
049 CONT. JOIST & JOIST BREAKS OVER WALL

1" = 1'-0"



044B TYP. ALLOWABLE HOLES

1" = 1'-0"



NOTES:

1. AT UTILITY PANEL LOCATION, IT IS ACCEPTABLE TO OVER-SPAN STUD BAY AS SHOWN. DO NOT INSTALL UTILITY PANELS @ POST OR SHEARWALL LOCATIONS.
2. AT END OF HEADER, PROVIDE (2) 16d CRIPPLE TO KING, TYP.

040 TYP. WALL FRAMING

1" = 1'-0"

ASSEMBLY:

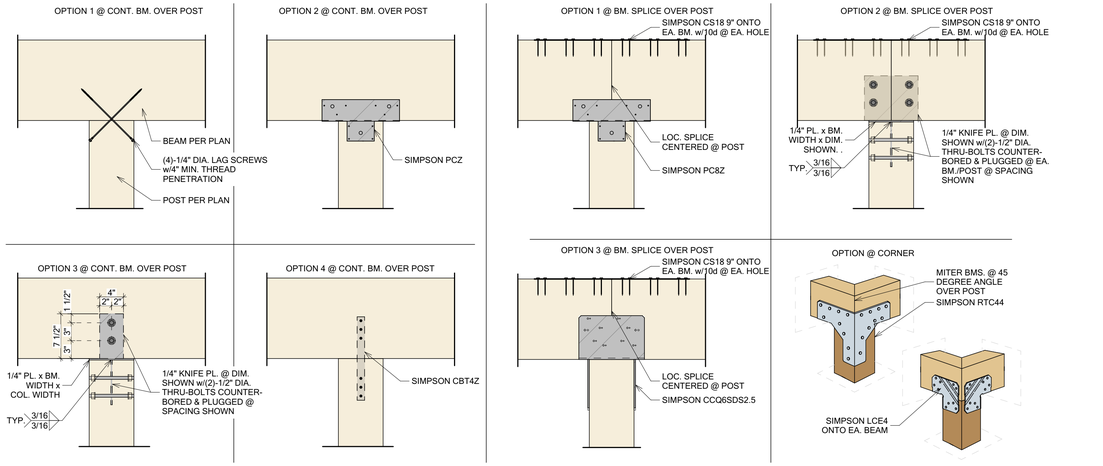
"A"	"B"	"C"	"D"
2 PCS. 1 3/4"	3 PCS. 1 3/4"	4 PCS. 1 3/4"	2 PCS. 3 1/2"
(2)-ROWS OF 16d @ 12" O.C. -OR- (2)-ROWS OF 1/4"x3" LAG SCREWS @ 24" O.C.	(3)-ROWS OF 16d @ 12" O.C. (STAGGERED EA. SIDE) -OR- (2)-ROWS OF 1/4"x3" LAG SCREWS @ 16" O.C. (STAGGERED EA. SIDE) -OR- (2)-ROWS OF 1/2" BOLTS @ 24" O.C.	(2)-ROWS OF 1/2" BOLTS @ 12" O.C.	(2)-ROWS OF 1/2" BOLTS @ 16" O.C.

NOTES:

1. FOR A THREE PIECE MEMBER, THE NAILING SPECIFIED IS FROM EACH SIDE.
2. ALL BUILT-UP OR MULT-PLY HEADERS AND/OR BEAMS INDICATED AS FLUSH OR INSTALLED FLUSH IN FRAMING MUST HAVE ALL PLIES ATTACHED PER DETAIL ABOVE. NO INSULATION ALLOWED BETWEEN MEMBER PLIES WHERE FRAMING MEMBERS ARE INSTALLED FLUSH w/ BEAM/HEADER.
3. HEADERS INDICATED AS FLUSH IN PLAN WILL REQUIRE TRIMMERS PER TYPICAL HEADER SCHEDULE. ALL BEAMS IN PLAN ARE ASSUMED FLUSH U.N.O.

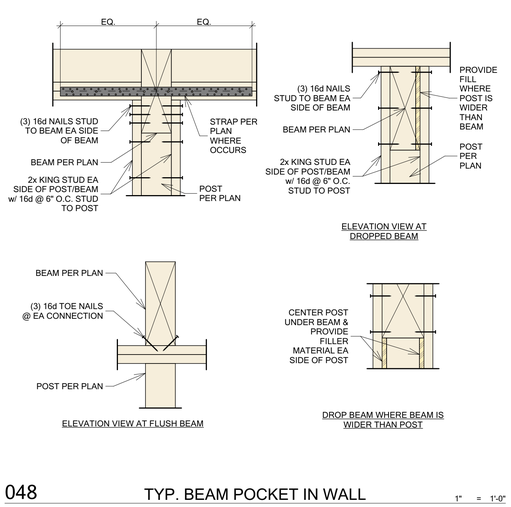
045 MULTI-PLY BEAMS

1" = 1'-0"



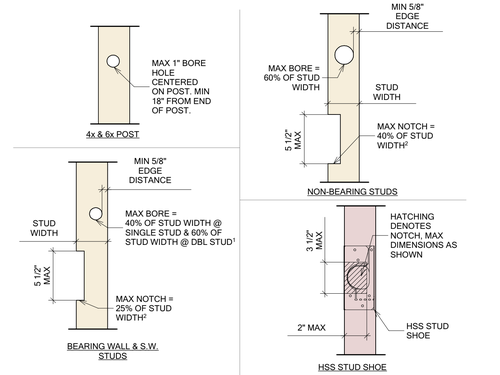
041 TYP. BEAM TO COL. OPTIONS

1" = 1'-0"



048 TYP. BEAM POCKET IN WALL

1" = 1'-0"

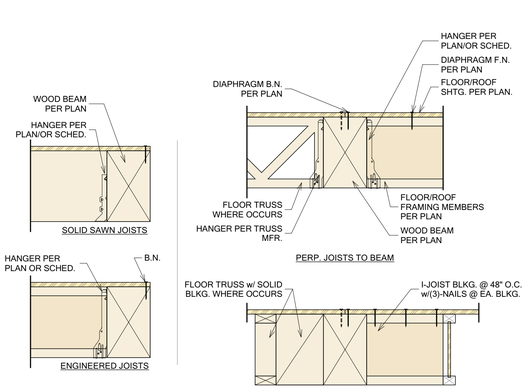


NOTCH/BORE % OF STUD	2x4	2x6
25%	7/8"	1 3/8"
40%	1 3/8"	2 1/8"
60%	2"	3 1/4"

1. MAX 60% BORE IN DBL STUD @ BEARING & SHEAR WALLS PROVIDED NO MORE THAN (2) SUCCESSIVE DBL STUDS ARE BORED.
2. WHERE NOTCH EXCEEDS PARAMETERS SHOWN SEE HSS STUD SHOE CONDITION

044A TYP. ALLOWABLE HOLES

1" = 1'-0"



043 JOIST / TRUSS TO FLUSH BEAM

1" = 1'-0"

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PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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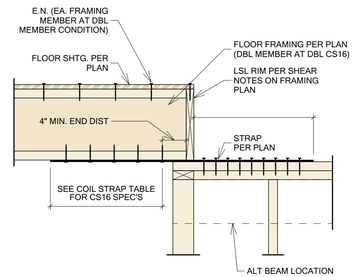
TYPICAL WOOD DETAILS

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

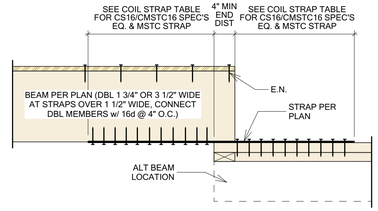
REVISION SCHEDULE

SHEET NUMBER: S0.13

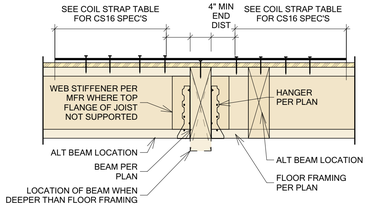
PLOT DATE: 4/23/2026 4:42 PM
BIMcloud: \\riverstonesc.com - BIMcloud Software as a Service\C1276 - Yurok Youth Center\C1276 - Hosted [2025-10-24]



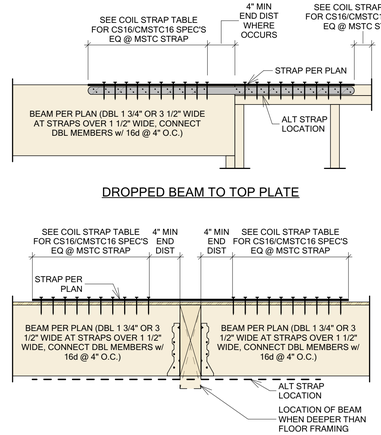
FLOOR FRAMING TO TOP PLATE/DROPPED BEAM



FLUSH BEAM TO TOP PLATE/DROPPED BEAM

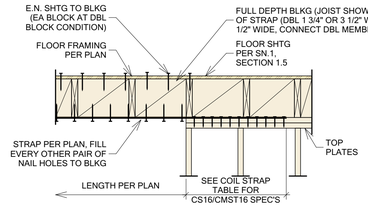


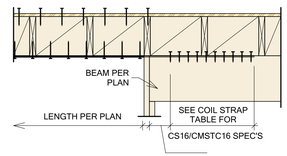
FLOOR FRAMING TO FLOOR FRAMING/FLUSH BEAM



DROPPED BEAM TO TOP PLATE

FLUSH BEAM TO FLUSH BEAM





ALT w/ BLKG TO DROPPED BEAM

060 TYP. DRAG STRAP DETAILS 1" = 1'-0"

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TYPICAL DRAG STRAP DETAILS

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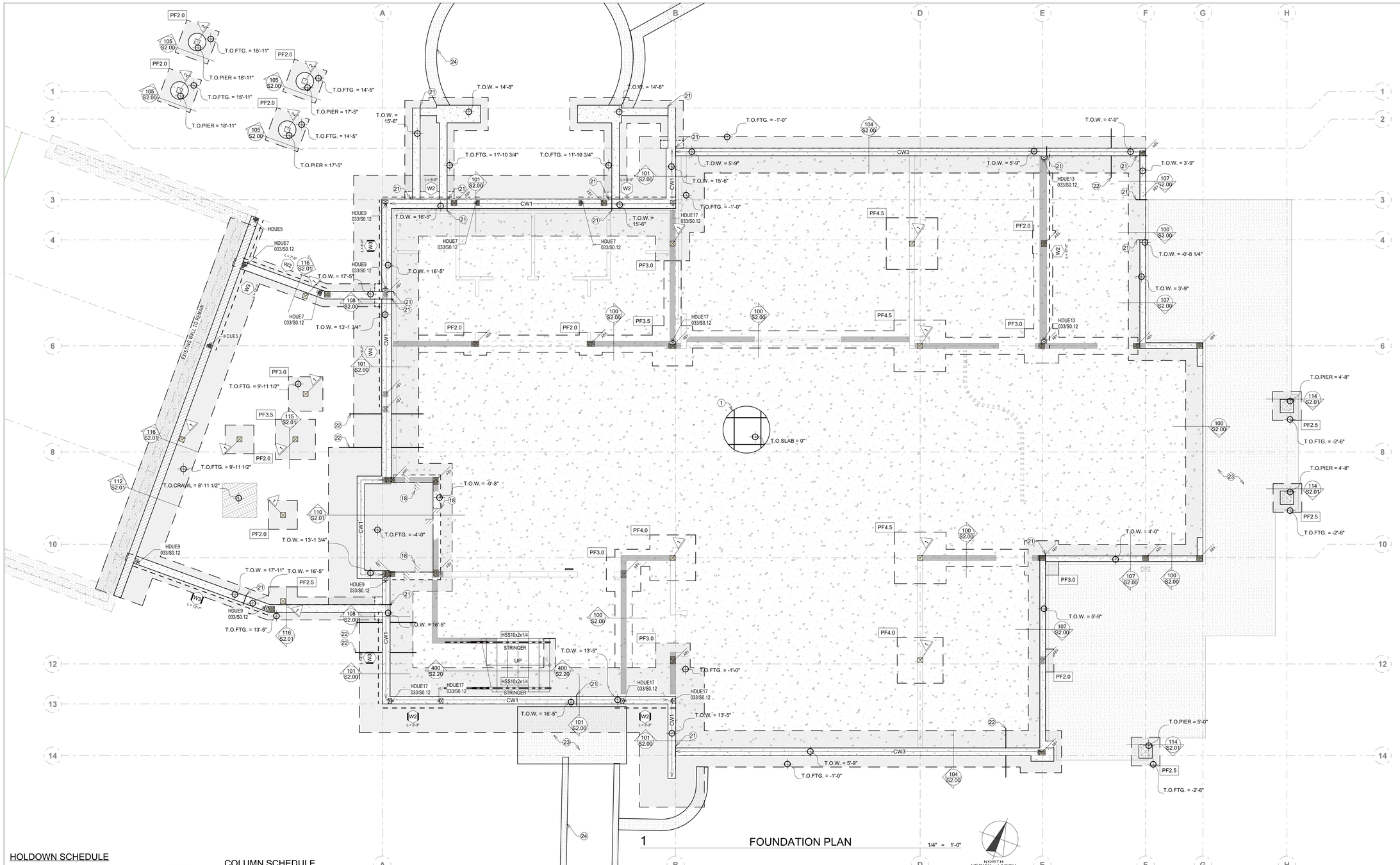
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

SHEET NUMBER: S0.14

PLOT DATE: 4/23/2026 4:42 PM BIMcloud Viewpoint/Revizto+ BIMcloud Software as a Service/C1216 - Yurok Youth Center/C1216 - Yurok Youth Center_2025-10.pln



1 FOUNDATION PLAN 1/4" = 1'-0"

NORTH
VERIFY w/ ARCH

HOLDOWN SCHEDULE

MK.	CONN.	A.B.	HD POST	CAP. (lbs)	QTY
HDUE5	(10) SDS 1/4 x 3"	033	2-2x6	5375	2
HDUE7	(13) SDS 1/4 x 3"	033	2-2x6	7015	5
HDUE9	(16) SDS 1/4 x 3 1/2"	033	1-4x6	8425	6
HDUE13	(23) SDS 1/4 x 3 1/2"	033	1-4x6	11900	10
HDUE17	(28) SDS 1/4 x 2 1/2"	033	1-4x6	16040	6

COLUMN SCHEDULE

MARK	COLUMN	QTY.
1	5 1/4"x5 1/4" PSL 2.2E	13
2	6x6 DF #1	4

NOTE TO CONTRACTOR REGARDING PRICING/BIDDING OF PROGRESS DRAWINGS:

THESE DRAWINGS HAVE BEEN PREPARED FOR PROGRESS REVIEW AND COORDINATION AND ARE NOT 100% CONSTRUCTION DOCUMENTS. IF THESE DOCUMENTS ARE TO BE USED FOR PRICING, BID, OR STEEL MILL ORDER, THE CONTRACTOR SHALL PROVIDE IN THE PROJECT BUDGET AN ALLOWANCE FOR THE COMPLETION OF THE STRUCTURAL DESIGN. THIS ALLOWANCE SHALL BE CARRIED UNTIL ALL SHELL BUILDING PERMITS ARE OBTAINED, AND FINAL CONSTRUCTION DOCUMENTS ARE ISSUED. AS THESE DRAWINGS ARE NOT ISSUED FOR CONSTRUCTION, CHANGES TO STRUCTURAL COMPONENTS SHOWN ARE POSSIBLE. ADDITIONALLY, MISCELLANEOUS ITEMS MAY NOT BE SHOWN ON THESE DRAWINGS. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, ARCHITECTURAL ACCENTS AND CANOPIES, EDGE ANGLES, BRACING, CLADDING SUPPORT STEEL, EQUIPMENT SUPPORTS, BLOCKOUTS, ETC. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND OTHER SPECIALTY DRAWINGS FOR ADDITIONAL INFORMATION. THE BUDGET ALLOWANCE SHALL INCLUDE THESE ITEMS. THE STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR ANY CHANGE ORDER COSTS INCURRED (INCLUDING DISCARDED MATERIAL COSTS) DUE TO BIDDING OR STEEL MILL ORDER FROM PROGRESS DRAWINGS. CONTACT STRUCTURAL ENGINEER FOR CLARIFICATION IF THE SCOPE AND QUANTITY OF ALLOWANCE TO BE CARRIED IS NOT CLEAR.

FOUNDATION KEYNOTE SCHEDULE

MK.	NOTE
1	4" SLAB ON GRADE w/ #4 BAR @ 27" O.C. E.W. CENTERED IN SLAB
18	STEP IN TOP OF CONC. SLAB
21	STEP TOP OF CONC. WALL
22	STEP FOOTING PER TYP. DET. 001

PAD FOOTING SCHEDULE

MK.	SITE WIDTH	LENGTH	THK	REINF.
PF2.0	2'-0"	2'-0"	12"	#5 @ 8" O.C. E.W. T.&B.
PF2.5	2'-6"	2'-6"	12"	#5 @ 8" O.C. E.W. T.&B.
PF3.0	3'-0"	3'-0"	12"	#5 @ 8" O.C. E.W. T.&B.
PF3.5	3'-6"	3'-6"	12"	#5 @ 8" O.C. E.W. T.&B.
PF4.0	4'-0"	4'-0"	14"	#5 @ 8" O.C. E.W. T.&B.
PF4.5	4'-6"	4'-6"	14"	#5 @ 8" O.C. E.W. T.&B.

PLAN NOTES

1. RE: SHEET S0.00-S0.01 FOR GENERAL NOTES.
2. FOR WALL FRAMING REQUIREMENTS, REFER TO FRAMING PLANS.
3. RE: SCHEDULES ON THIS SHEET FOR HOLDOWN REQUIREMENTS. SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION & HOLDOWN OPTIONS.
4. POSTS SHOWN ON THIS LEVEL NOT REFERENCED w/COLUMN INDICATOR DENOTE POINT LOAD FROM ABOVE. SEE FRAMING PLANS FOR POST SIZE & LOC. MATCH COLUMN BELOW ALL LEVELS CONT. TO FDN.
5. RE: S0.01 FOR COMPLETE MASTER KEYNOTE SCHEDULE.
6. RE: S0.1 SERIES SHEETS FOR ALL TYPICAL DETAILS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN PLAN.
7. RE: ARCH'L PLANS FOR ALL DIMS. INFORMATION NOT SHOWN HERE.
8. QUANTITIES SHOWN IN STRUCTURAL SCHEDULES ARE INTENTED TO AID CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL COUNTS OF STRUCTURAL MEMBERS.
9. PFX.X DENOTES PAD FOOTING. SEE SCHEDULE BELOW.
   CONCRETE FTG. | THICKENED SLAB FTG.
10. WHERE BEAMS / TRUSSES BEAR ON OR ARE POCKETED IN WALLS, PROVIDE BEARING STUDS EQUAL TO OR GREATER THAN THE WIDTH OF THE MEMBER BEING SUPPORTED PER STUD PACK SCHEDULE BELOW, U.N.O. IN PLAN BY COLUMN CALLOUT. FOR STUDS SUPPORTING HEADERS, RE: HEADER SCHEDULE THIS SHEET.

RE: STUD PACK OR HEADER SCHEDULE	BEAM WIDTH	MINIMUM STUD PACK	BEAM WIDTH	MINIMUM STUD PACK
	3" - 3 1/2"	(3)-2x	5 1/2" - 7"	(5)-2x
	4" - 5 1/4"	(4)-2x	7 1/4" - 9"	(6)-2x
RE: COLUMN SCHEDULE	RE: DET 04/ FOR MORE INFO. IF A CONDITION OCCURS THAT IS NOT COVERED BY THIS SCHEDULE, CONTACT E.O.R. PRIOR TO CONSTRUCTION FOR MORE INFO.			

11. DENOTES COLUMN LOC. REFER TO COLUMN SCHEDULE THIS SHEET. CALLOUTS SUPERSEDE STUD PACK AND HEADER SCHED. CALLOUT IS SHOWN AT BASE OF COLUMN. RE: FRAMING PLANS & DETAILS ABOVE FOR CONNECTIONS TO BEAMS.
12. (1) DENOTES FRAMING/FOUNDATION KEYNOTE. REFER TO KEYNOTE SCHEDULE THIS SHEET.
13. BEAMS IN FLOOR OR ROOF ARE FLUSH U.N.O. IN PLAN.
    = DROPPED WOOD BEAM = DROPPED STEEL BEAM
14. ALL LUMBER EXPOSED TO WEATHER/EXTERIOR ELEMENTS SHALL BE NATURALLY DURABLE MATERIAL. ALL LUMBER IN CONTACT w/ CONCRETE OR MASONRY FOUNDATION SHALL BE PRESERVATIVE TREATED.
15. X'-X" WX DENOTES SHEARWALL LOCATION. & MIN. LENGTH. REFER TO SHEARWALL SCHEDULE AND DETAIL 030 IN TYPICAL DETAILS FOR SHEARWALL SHTG., NAILING, CONN. REQUIREMENTS, & OTHER SHEARWALL INFORMATION.
16. HD CS DENOTES HOLDOWN & HOLDOWN COIL STRAP LOC., RESPECTIVELY. * ABOVE HOLDOWN/STRAP CALLOUT INDICATES HOLDOWN/STRAP ALIGNS WITH HOLDOWN/STRAP ABOVE. * BELOW HOLDOWN/STRAP CALLOUT INDICATES HOLDOWN/STRAP ALIGNS WITH HOLDOWN/STRAP BELOW. RE: THIS SHEET FOR HOLDOWN & STRAP SCHEDULES.
17. HOLDOWN ANCHORS MUST BE INSTALLED WITH FINAL CONCRETE POUR. NO POST-INSTALLED HOLDOWN ANCHORS ALLOWED UNLESS WRITTEN CONSENT FROM E.O.R. RE: TYPICAL HOLDOWN DETAIL IN S0 SERIES FOR ANCHOR OPTIONS.
18. CONTRACTOR TO VERIFY LOC. OF SHEAR WALLS THAT REQUIRE DECREASED ANCHORAGE SPACING PRIOR TO FINAL CONCRETE POUR. RE: SHEAR WALL SCHEDULE.
19. REFER TO TYPICAL DETAIL 033 ON THE TYPICAL SHEAR DETAIL SHEET FOR HOLDOWN SCHEDULE & CONNECTION INFORMATION.
20. FOR BASE PLATES BP1, BP2, BP3, & BP4 REFER TO DETAIL 017.
21. SCHEDULED MARK DESIGNATIONS ARE TYPICAL TO THIS PROJECT AND MAY NOT NECESSARILY BE FOUND ON THIS PLAN.

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103, BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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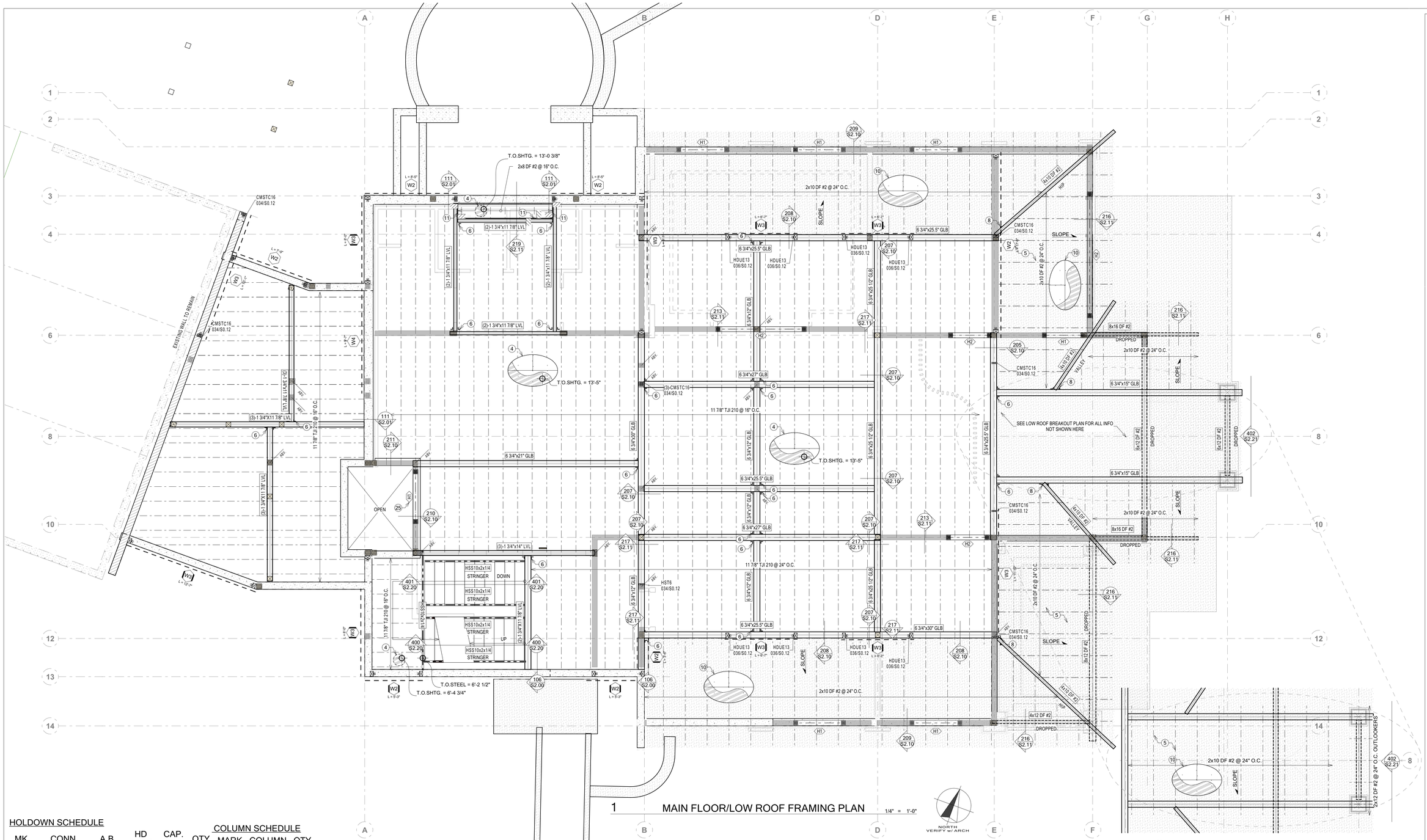
FOUNDATION PLAN

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

SHEET NUMBER: S1.00

PLOT DATE: 8/23/2026, 4:24 PM



1 MAIN FLOOR/LOW ROOF FRAMING PLAN 1/4" = 1'-0"

NORTH
VERIFY w/ ARCH

2 LOW ROOF BREAKOUT PLAN 1/4" = 1'-0"

HOLDOWN SCHEDULE

MK.	CONN.	A.B.	HD POST	CAP. (lbs)	QTY
HDUE5	(10) SDS 1/4 x 3"	033	2-2x6	5375	2
HDUE7	(13) SDS 1/4 x 3"	033	2-2x6	7015	5
HDUE9	(16) SDS 1/4 x 3 1/2"	033	1-4x6	8425	6
HDUE13	(23) SDS 1/4 x 3 1/2"	033	1-4x6	11900	10
HDUE17	(28) SDS 1/4 x 2 1/2"	033	1-4x6	16040	6

COLUMN SCHEDULE

MARK	COLUMN	QTY.
1	5 1/4"x5 1/4" PSL 2.2E	13
2	6x6 DF #1	4

NOTE TO CONTRACTOR REGARDING PRICING/BIDDING OF PROGRESS DRAWINGS:

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MAIN FLOOR FRAMING KEYNOTE SCHEDULE

MK.	NOTE
4	3/4" APA RATED FLOOR SHTG. PER TYP. DET. 031. PROVIDE CONSTRUCTION ADHESIVE @ ALL FRAMING SUPPORTS
5	HATCH INDICATES DECK FRAMING LOCATION
6	FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
8	SLOPED/SKEWED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
10	5/8" APA RATED ROOF SHTG. PER TYP. DET. 031
11	FRAMING ELEVATION STEP
25	PROVIDE (2)-TRIMMERS THIS LOC.

PLAN NOTES

1. RE: SHEET S0.00-S0.01 FOR GENERAL NOTES.
2. RE: ARCH. FOR ROOF SLOPE INFO.
3. RE: ARCH'L PLANS FOR ALL DIMS. INFORMATION NOT SHOWN HERE.
4. DENOTES LOAD-BEARING & NON-LOAD BEARING WALLS, RESPECTIVELY, SEE BELOW FOR REQUIREMENTS.
5. ALL BEARING WALLS SHALL BE CONSTRUCTED WITH 2x6 DFL #2 @ 16" O.C. U.N.O. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 1/2" (MIN) APA RATED SHEATHING U.N.O. MINIMUM NAILING PATTERN SHALL CONSIST OF 8d NAILS @ 6" O.C. ALL SUPPORTED PANEL EDGES & 12" O.C. FIELD. U.N.O. ON SHEAR PLANS. INTERIOR BEARING WALLS SHALL HAVE 1/2" (MIN) GYP BOARD APPLIED TO EACH SIDE OF WALL AS SHOWN ON ARCH'L PLANS. INTERIOR SHEAR WALL SHALL BE SHEATHED AS SPECIFIED ON SHEAR PLANS.
6. HX DENOTES HEADER RE: HEADER SCHEDULE BELOW. RE: TYPICAL WALL FRAMING DETAIL 040 FOR MORE INFO. NOT SHOWN IN HEADER SCHEDULE BELOW.
7. ALL HEADERS, BEAMS, & OTHER WOOD STRUCTURAL MEMBERS SHALL BE DFL #2 LUMBER OR BETTER, U.N.O. IN PLAN.
8. ALL MULTI-PLY L.V.L. LUMBER MEMBERS WILL BE CONSTRUCTED WITH 1 3/4"xHEIGHT SPECIFIED IN PLAN, U.N.O.
9. RE: S0.1 SERIES SHEETS FOR ALL TYPICAL DETAILS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN PLAN.
10. WHERE BEAMS / TRUSSES BEAR ON OR ARE POCKETED IN WALLS, PROVIDE BEARING STUDS EQUAL TO OR GREATER THAN THE WIDTH OF THE MEMBER BEING SUPPORTED PER STUD PACK SCHEDULE BELOW, U.N.O. IN PLAN BY COLUMN CALLOUT. FOR STUDS SUPPORTING HEADERS, RE: HEADER SCHEDULE THIS SHEET.

RE: STUD PACK OR HEADER SCHEDULE	BEAM WIDTH	MINIMUM STUD PACK	BEAM WIDTH	MINIMUM STUD PACK
	3" - 3 1/2"	(3)-2x	5 1/2" - 7"	(5)-2x
RE: COLUMN SCHEDULE	4" - 5 1/4"	(4)-2x	7 1/4" - 9"	(6)-2x
	RE: DET 048 FOR MORE INFO. IF A CONDITION OCCURS THAT IS NOT COVERED BY THIS SCHEDULE, CONTACT E.O.R. PRIOR TO CONSTRUCTION FOR MORE INFO.			

11. 8 DENOTES COLUMN LOC. REFER TO COLUMN SCHEDULE THIS SHEET. CALLOUTS SUPERSEDE STUD PACK AND HEADER SCHED. CALLOUT IS SHOWN AT BASE OF COLUMN. RE: FRAMING PLANS & DETAILS ABOVE FOR CONNECTIONS TO BEAMS.
12. QUANTITIES SHOWN IN STRUCTURAL SCHEDULES ARE INTENTED TO AID CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL COUNTS OF STRUCTURAL MEMBERS.
13. 1 DENOTES FRAMING KEYNOTE. RE: KEYNOTE SCHEDULE THIS SHEET
14. BEAMS IN FLOOR OR ROOF ARE FLUSH U.N.O. IN PLAN. = DROPPED WOOD BEAM, = DROPPED STEEL BEAM
15. PROVIDE HANGERS PER TYPICAL HANGER SCHEDULE, U.N.O. ON PLAN. RE: S0.01. FOLLOW MFR. REQUIREMENTS FOR EXTERIOR OR EXPOSED HANGERS.
16. ALL LUMBER EXPOSED TO WEATHER/EXTERIOR ELEMENTS SHALL BE NATURALLY DURABLE MATERIAL. ALL LUMBER IN CONTACT w/ CONCRETE OR MASONRY FOUNDATION SHALL BE PRESERVATIVE TREATED.
17. X"X" WX DENOTES SHEARWALL LOCATION. & MIN. LENGTH. REFER TO SHEARWALL SCHEDULE AND DETAIL 030 IN TYPICAL DETAILS FOR SHEARWALL SHTG., NAILING, CONN. REQUIREMENTS, & OTHER SHEARWALL INFORMATION.
18. HD DENOTES HOLDOWN & HOLDOWN STRAP LOC., RESPECTIVELY. * ABOVE HOLDOWN/STRAP CALLOUT INDICATES HOLDOWN/STRAP ALIGNS WITH HOLDOWN/STRAP ABOVE. * BELOW HOLDOWN/STRAP CALLOUT INDICATES HOLDOWN/STRAP ALIGNS WITH HOLDOWN/STRAP BELOW. RE: THIS SHEET FOR HOLDOWN & STRAP SCHEDULES.
19. HOLDOWN ANCHORS MUST BE INSTALLED WITH FINAL CONCRETE POUR. NO POST-INSTALLED HOLDOWN ANCHORS ALLOWED UNLESS WRITTEN CONSENT FROM E.O.R.. RE: TYPICAL HOLDOWN DETAIL IN S0 SERIES FOR ANCHOR OPTIONS.
20. CONTRACTOR TO VERIFY LOC. OF SHEAR WALLS THAT REQUIRE DECREASED ANCHORAGE SPACING PRIOR TO FINAL CONCRETE POUR. RE: SHEAR WALL SCHEDULE.
21. REFER TO TYPICAL DETAIL 033 ON THE TYPICAL SHEAR DETAIL SHEET FOR HOLDOWN SCHEDULE & CONNECTION INFORMATION.
22. SCHEDULED MARK DESIGNATIONS ARE TYPICAL TO THIS PROJECT AND MAY NOT NECESSARILY BE FOUND ON THIS PLAN.

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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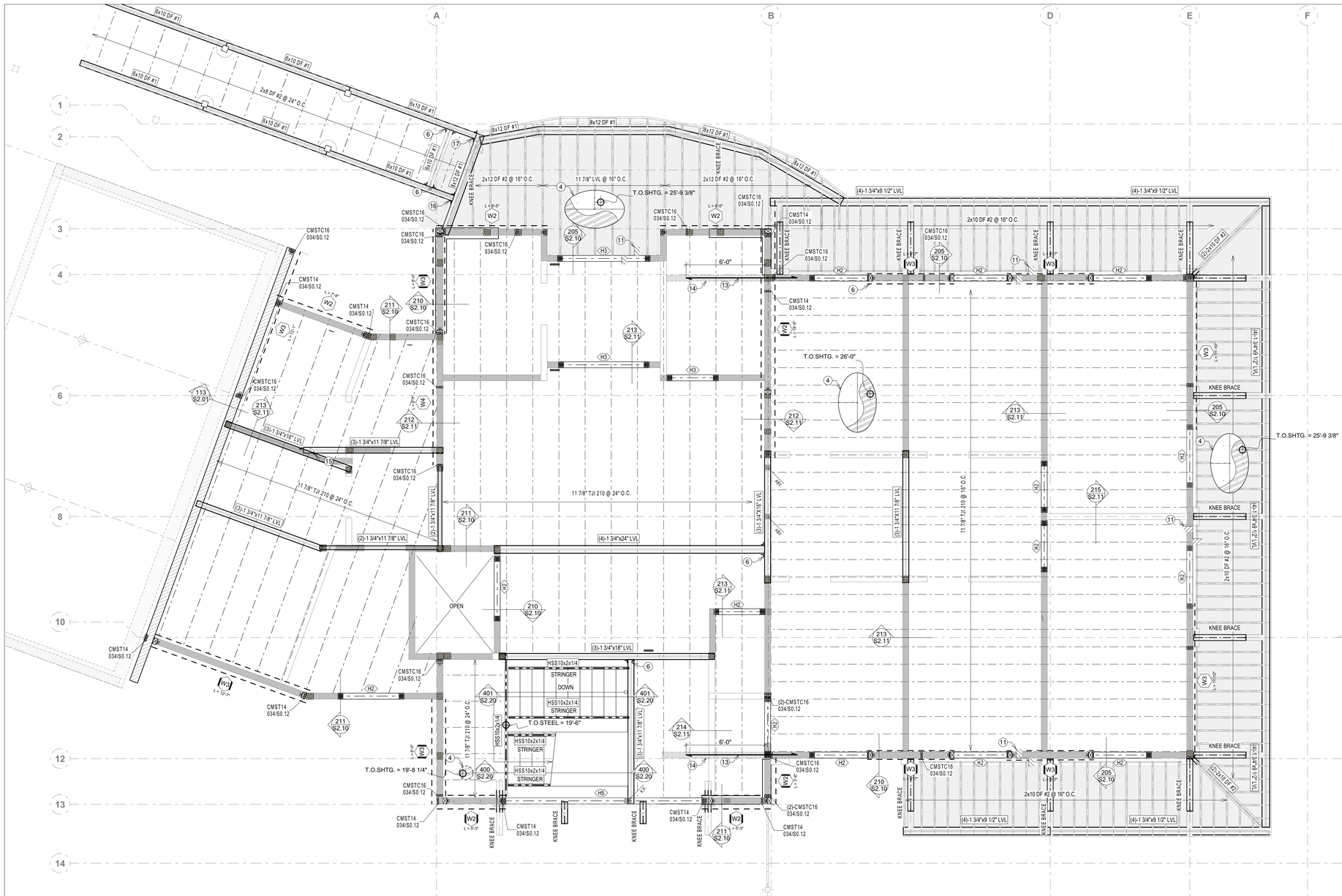
MAIN FLOOR/LOW ROOF FRAMING PLAN

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

SHEET NUMBER: S1.01

PLOT DATE: 4/23/2026 4:42 PM



1 UPPER FLOOR FRAMING PLAN 1/4" = 1'-0"

NORTH
VERIFY w/ ARCH

COLUMN SCHEDULE

MARK	COLUMN	QTY.
1	5 1/4"x5 1/4" PSL 2.2E	13
2	6x6 DF #1	4

UPPER FLOOR FRAMING KEYNOTE SCHEDULE

MK.	NOTE
4	3/4" APA RATED FLOOR SHTG. PER TYP. DET. 031. PROVIDE CONSTRUCTION ADHESIVE @ ALL FRAMING SUPPORTS
6	FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
11	FRAMING ELEVATION STEP
13	SIMPSON CMST14 PER DRAG STRAP SCHEDULE
14	4x6 SOLID BLKG. @ DRAG STRAP. SEE DRAG STAP SCHEDULE FOR LENGTH INTO DIAPHRAGM
15	SKEWED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
16	SLOPED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
17	SLOPED/CONCEALED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.

NOTE TO CONTRACTOR REGARDING PRICING/BIDDING OF PROGRESS DRAWINGS:

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PLAN NOTES

1. RE: SHEET S0.00-S0.01 FOR GENERAL NOTES.
2. RE: ARCH. FOR ROOF SLOPE INFO.
3. RE: ARCH'L PLANS FOR ALL DIMS. INFORMATION NOT SHOWN HERE.
4. DENOTES LOAD-BEARING & NON-LOAD BEARING WALLS, RESPECTIVELY, SEE BELOW FOR REQUIREMENTS.
5. ALL BEARING WALLS SHALL BE CONSTRUCTED WITH 2x6 DFL #2 @ 16" O.C. U.N.O. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 1/2" (MIN) APA RATED SHEATHING U.N.O. MINIMUM NAILING PATTERN SHALL CONSIST OF 8d NAILS @ 6" O.C. ALL SUPPORTED PANEL EDGES & 12" O.C. FIELD. U.N.O. ON SHEAR PLANS. INTERIOR BEARING WALLS SHALL HAVE 1/2" (MIN) GYP BOARD APPLIED TO EACH SIDE OF WALL AS SHOWN ON ARCH'L PLANS. INTERIOR SHEAR WALL SHALL BE SHEATHED AS SPECIFIED ON SHEAR PLANS.
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	BEAM WIDTH	MINIMUM STUD PACK	BEAM WIDTH	MINIMUM STUD PACK
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RE: COLUMN SCHEDULE	4" - 5 1/4"	(4)-2x	7 1/4" - 9"	(6)-2x

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22. SCHEDULED MARK DESIGNATIONS ARE TYPICAL TO THIS PROJECT AND MAY NOT NECESSARILY BE FOUND ON THIS PLAN.

FLR TO FLR STRAP SCHEDULE

MK.	CAP. (lbs)	CONN.	CLEAR SPAN	END LENGTH	QTY
HST6	15425		N/A		1
CMST14	4690	(50) - 10d	N/A	20"	2
CMSTC16	4690	(50) - 10d	N/A	20"	37
CMST14	6475	(56) - 10d	N/A	26"	10

DRAG STRAP SCHEDULE

STRAP	MIN. NAILS EA. END	LENGTH ONTO:			
		DF/GLB	SCL[2]	JOIST[2,3]	BLKG.[4]
CS14	(26)-8d	15"	27"	27"	2'-0"
CMST14	(42)-10dx2 1/2"	20"	37"	37"	6'-0"

NOTES:

1. DENOTES SIMPSON DRAG STRAP
2. FILL EVERY OTHER PAIR OF NAIL HOLES.
3. MANUFACTURED JOISTS ONLY, USE DF/GLB COLUMN FOR SOLID SAWN/FABRICATED TRUSSES.
4. 2x FLAT BLKG. PERMITTED U.N.O. IN TYPICAL DRAG STRAP DETAIL IN S0.1 SERIES. FILL EVERY PAIR OF NAIL HOLES THE LENGTH OF STRAP.
5. PROVIDE A MIN OF 4" END DISTANCE TO 1ST NAIL OF ALL STRAPS (THIS LENGTH NOT INCLUDED IN LENGTHS ABOVE).
6. DRAG STRAPS TO BE BY SIMPSON STRONGTIE U.N.O.
7. FOR INFORMATION NOT SHOWN HERE, SEE DET. 060/S0 SERIES.

HEADER SCHEDULE

MARK	MEMBER	TRIMMER	KING STUD SCHEDULE		
			WALL HEIGHT	ROUGH OPENING (WIDTH)	KING STUD(S)
H1	(2)-2x8 DF #2	(1)- 2x6	10'-0" MAX	0'-0" - 8'-0"	(1)- 2x6
H2	(2)-1 3/4"x9 1/2" L.V.L.	(1)- 2x6		8'-0" - 13'-0"	(2)- 2x6
H3	(2)-1 3/4"x11 7/8" L.V.L.	(2)- 2x6	12'-0" MAX	0'-0" - 5'-0"	(1)- 2x6
H4	(3)-1 3/4"x11 7/8" L.V.L.	(2)- 2x6		5'-0" - 13'-0"	(2)- 2x6
H5	(3)-1 3/4"x14" L.V.L.	(3)- 2x6	14'-6" MAX	0'-0" - 4'-0"	(2)- 2x6
				4'-0" - 6'-0"	(2)- 2x6
				6'-0" - 13'-0"	(3)- 2x6

NOTE: 1. IF A SCENARIO OCCURS IN THIS PROJECT THAT IS NOT SPECIFICALLY COVERED BY THIS TABLE, CONTACT E.O.R. FOR MEMBER SIZE.

2. RE: TYPICAL DETAIL IN S1 SERIES FOR HEADER CONN. INFO NOT SHOWN HERE.

RE: S0.01 FOR HEADER GRAPHICS

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6643
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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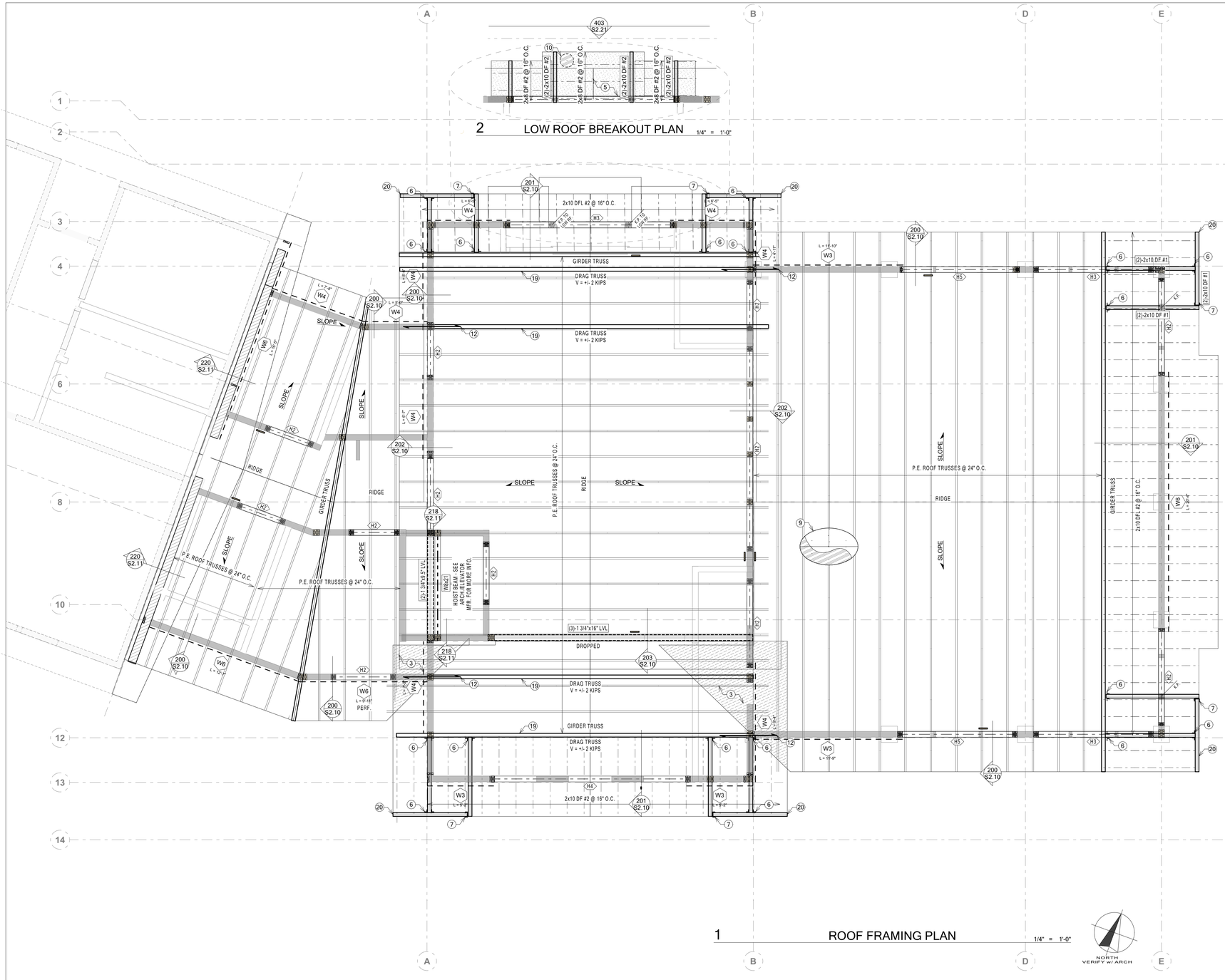
UPPER FLOOR FRAMING PLAN

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

SHEET NUMBER: S1.02

PLOT DATE: 8/23/2026, 4:24 PM



1 ROOF FRAMING PLAN 1/4" = 1'-0"

NORTH
VERIFY w/ ARCH

FLR TO FLR STRAP SCHEDULE

MK.	CAP. (lbs)	CONN.	CLEAR SPAN	END LENGTH	QTY
HST6	15425		N/A		1
CMST14	4690	(50) - 10d	N/A	20"	2
CMSTC16	4690	(50) - 10d	N/A	20"	37
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NOTES:

1. DENOTES SIMPSON DRAG STRAP
2. FILL EVERY OTHER PAIR OF NAIL HOLES.
3. MANUFACTURED JOISTS ONLY, USE DF/GLB COLUMN FOR SOLID SAWN/FABRICATED TRUSSES.
4. 2x FLAT BLKG. PERMITTED U.N.O. IN TYPICAL DRAG STRAP DETAIL IN S0.1 SERIES. FILL EVERY PAIR OF NAIL HOLES THE LENGTH OF STRAP.
5. PROVIDE A MIN OF 4" END DISTANCE TO 1ST NAIL OF ALL STRAPS (THIS LENGTH NOT INCLUDED IN LENGTHS ABOVE).
6. DRAG STRAPS TO BE BY SIMPSON STRONGTIE U.N.O.
7. FOR INFORMATION NOT SHOWN HERE, SEE DET. 060/S0 SERIES.

HEADER SCHEDULE

MARK	MEMBER	TRIMMER	KING STUD SCHEDULE		
			WALL HEIGHT	ROUGH OPENING (WIDTH)	KING STUD(S)
H1	(2)-2x8 DF #2	(1)- 2x6	10'-0" MAX	0'-0" - 8'-0"	(1)- 2x6
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H3	(2)-1 3/4"x11 7/8" L.V.L.	(2)- 2x6	12'-0" MAX	0'-0" - 5'-0"	(1)- 2x6
H4	(3)-1 3/4"x11 7/8" L.V.L.	(2)- 2x6		5'-0" - 13'-0"	(2)- 2x6
H5	(3)-1 3/4"x14" L.V.L.	(3)- 2x6	14'-6" MAX	0'-0" - 4'-0"	(2)- 2x6
				4'-0" - 6'-0"	(2)- 2x6
				6'-0" - 13'-0"	(3)- 2x6

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2. RE: TYPICAL DETAIL IN S1 SERIES FOR HEADER CONN. INFO NOT SHOWN HERE.

RE: S0.01 FOR HEADER GRAPHICS

ROOF FRAMING KEYNOTE SCHEDULE

MK.	NOTE
2	HATCH INDICATES ELEVATED ROOF, SEE SECTION XXX
3	HATCH INDICATES OVERBUILD PER CONTRACTOR
6	FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
7	CONCEALED FACEMOUNT BEAM HANGER PER TYP. HANGER SCHED.
9	5/8" APA RATED ROOF SHTG. PER TYP. DET. 031
12	SIMPSON CS14 PER DRAG STRAP SCHEDULE
19	PROVIDE CONT. B.N. ENTRIE LENGTH OF DRAG TRUSS
20	TYP. FASCIA FRAMING

PLAN NOTES

1. RE: SHEET S0.00-S0.01 FOR GENERAL NOTES.
2. RE: ARCH. FOR ROOF SLOPE INFO.
3. RE: ARCH'L PLANS FOR ALL DIMS. INFORMATION NOT SHOWN HERE.
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	BEAM WIDTH	MINIMUM STUD PACK	BEAM WIDTH	MINIMUM STUD PACK
RE: STUD PACK OR HEADER SCHEDULE	3" - 3 1/2"	(3)-2x	5 1/2" - 7"	(5)-2x
RE: COLUMN SCHEDULE	4" - 5 1/4"	(4)-2x	7 1/4" - 9"	(6)-2x

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DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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ROOF FRAMING PLAN

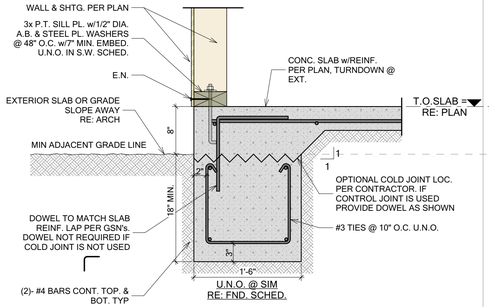
YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

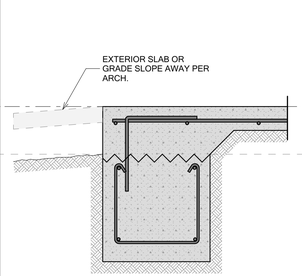
SHEET NUMBER: S1.03

PLOT DATE: 4/23/2026, 4:42 PM

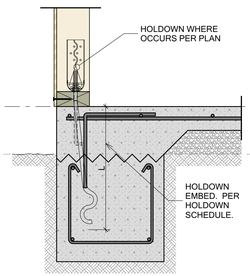
SLAB @ EXTERIOR



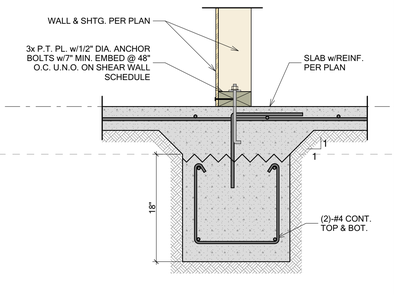
SLAB @ OPENING



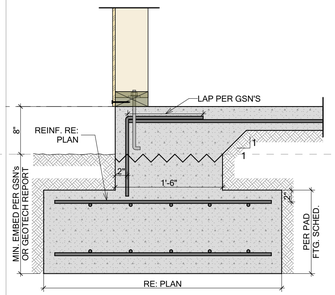
HOLDOWN @ EXTERIOR



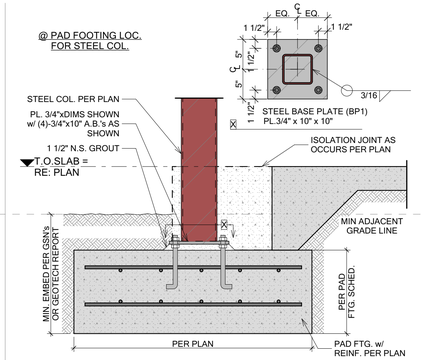
@ INTERIOR WALL BEARING



@ PAD FOOTING LOC.



@ PAD FOOTING LOC. FOR STEEL COL.

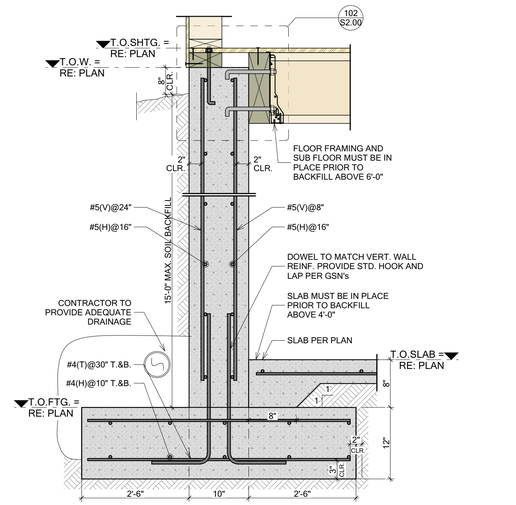


100 FOUNDATION DETAILS 1" = 1'-0"

107 NON-RETAINING CONC. WALL OVER SLAB 1" = 1'-0"

105 EXT. WOOD COL. TO PIER 1" = 1'-0"

103 CRAWLSPACE WALL 1" = 1'-0"



101 CONCRETE RETAINING WALL (CW1) 1" = 1'-0"

108 FOOTING SUPPORT HAUNCH 1" = 1'-0"

106 WOOD BEAM BUCKET TO CONC. WALL 1 1/2"= 1'-0"

104 CONCRETE RETAINING WALL (CW3) 1" = 1'-0"

102 JOIST TO CONC. WALL 1" = 1'-0"

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RIVERSTONE STRUCTURAL CONCEPTS
1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
www.riverstonesc.com

PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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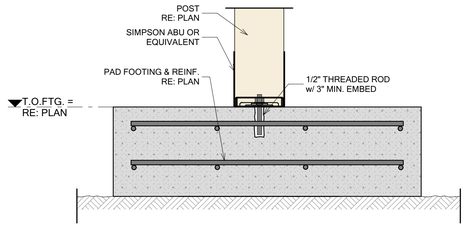
FOUNDATION DETAILS
YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

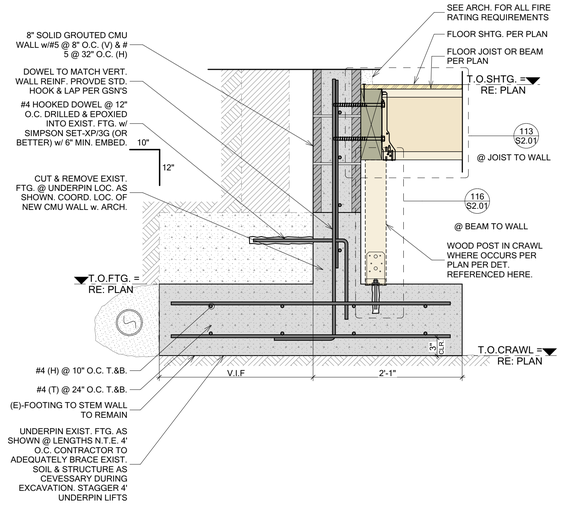
REVISION SCHEDULE

SHEET NUMBER: S2.00

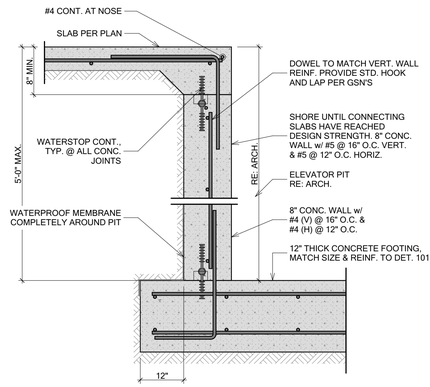
PLOT DATE: 4/23/2026, 4:42 PM
BIMcloud Filepath\Archive - BIMcloud Software as a Service\CY26 - Yurok Youth Center\CY26 - Yurok Youth Center [2025.10.24]



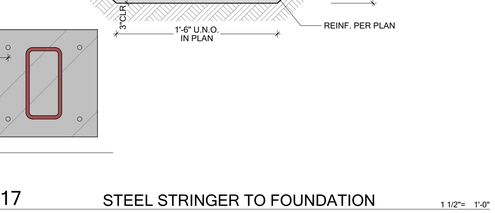
115 WOOD COL. @ CRAWL 1 1/2"= 1'-0"



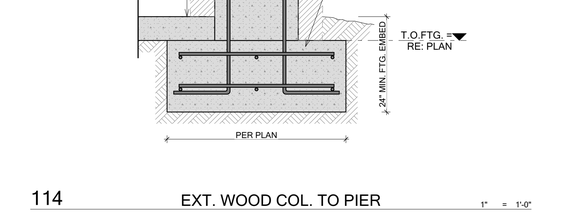
112 NEW WALL TO EXISTING WALL 1" = 1'-0"



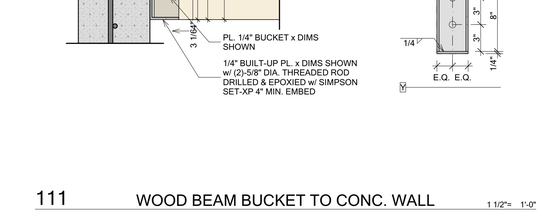
109 ELEVATOR PIT 1" = 1'-0"



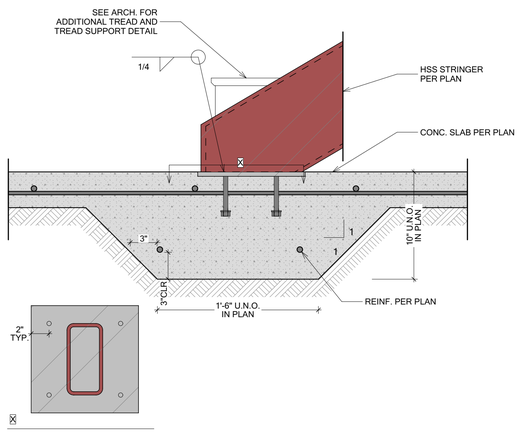
116 WOOD COL. TO CONC. WALL @ CRAWL 1" = 1'-0"



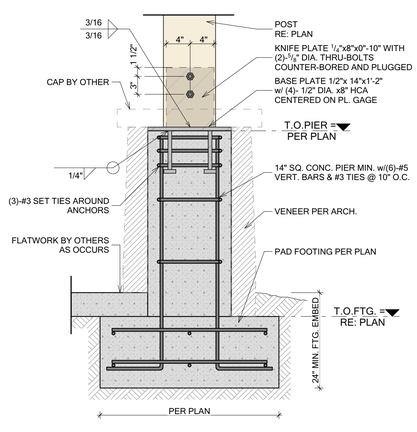
113 JOIST TO CMU WALL 1" = 1'-0"



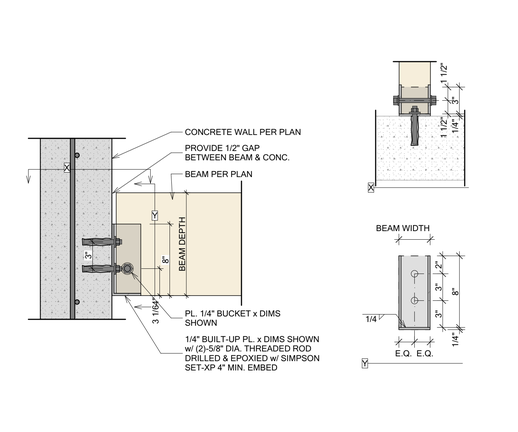
110 ELEVATOR SECTION 3/4" = 1'-0"



117 STEEL STRINGER TO FOUNDATION 1 1/2"= 1'-0"



114 EXT. WOOD COL. TO PIER 1" = 1'-0"



111 WOOD BEAM BUCKET TO CONC. WALL 1 1/2"= 1'-0"

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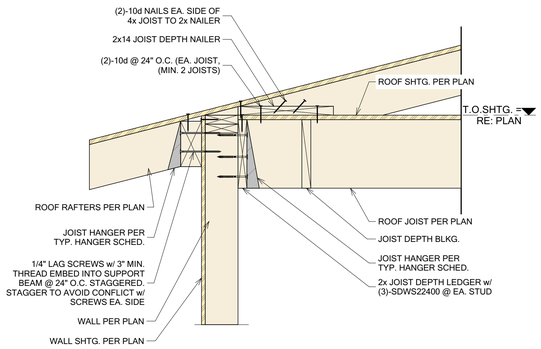
FOUNDATION DETAILS

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

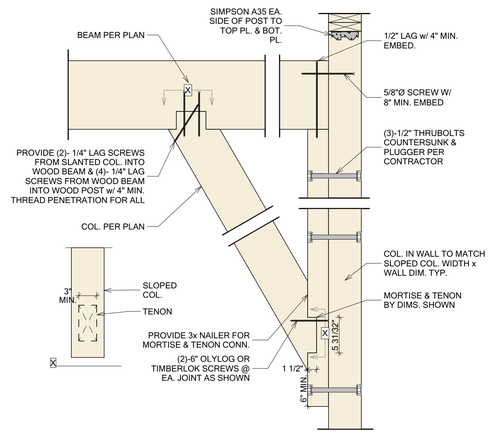
REVISION SCHEDULE

SHEET NUMBER: S2.01

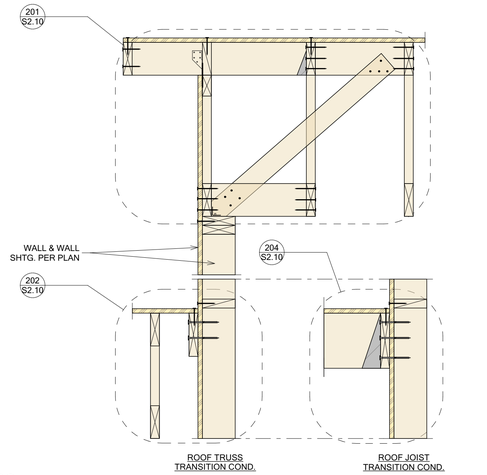
PLOT DATE: 4/23/2026 4:42 PM BIMcloud Wagenlitecture - BIMcloud Software as a Service/R21PK - Yurok Youth Center/R21PK - Hosted [2025-10-24]



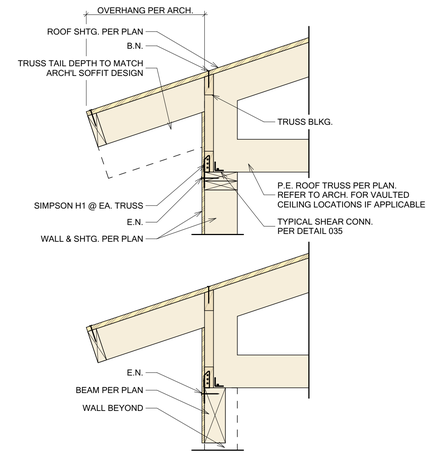
209 ROOF JOIST TO WALL 1" = 1'-0"



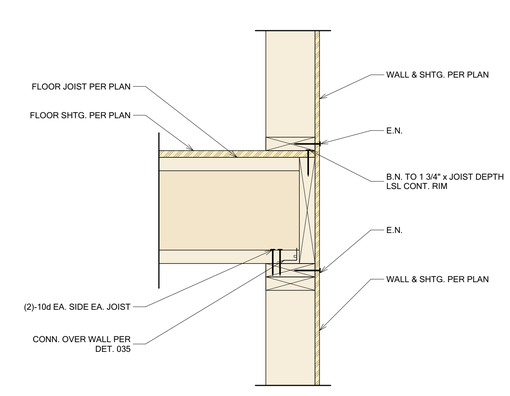
206 KNEE BRACE TO WALL 1" = 1'-0"



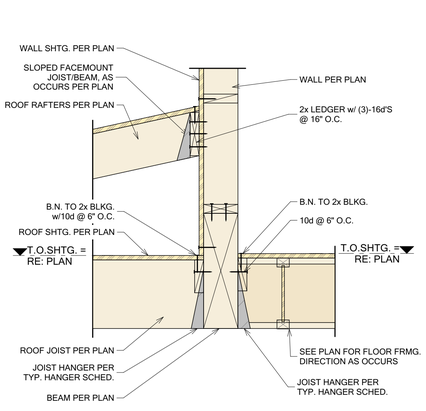
203 ROOF TRANSITIONS 1" = 1'-0"



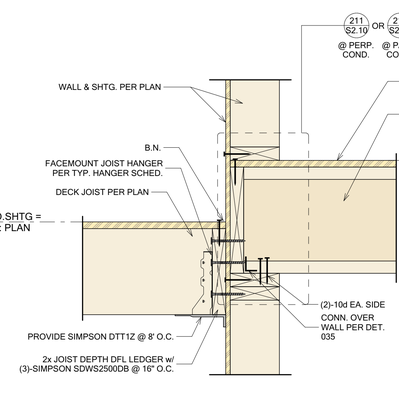
200 ROOF TRUSS TO WALL 1" = 1'-0"



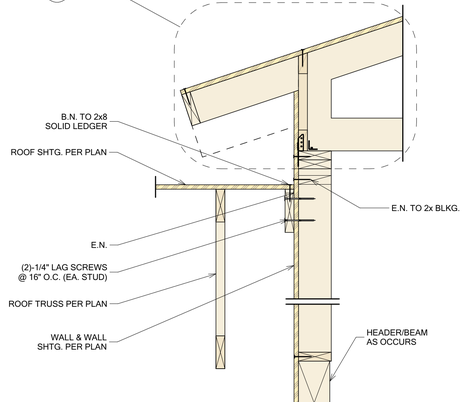
210 PARA. FLOOR JOIST TO WALL 1 1/2"= 1'-0"



207 WOOD BM. TO WOOD BM. BUCKET CONN. 1 1/2"= 1'-0"



204 JOIST LEDGER 1" = 1'-0"



201 OUTLOOKER OVER WALL TO GIRDER TRUSS 1" = 1'-0"

211 PERP. FLOOR JOIST TO WALL 1 1/2"= 1'-0"

208 JOIST TO WALL @ WOOD BEAM 1" = 1'-0"

205 DECK TRANSITION 1 1/2"= 1'-0"

202 ROOF TRANSITION 1" = 1'-0"

RIVERSTONE STRUCTURAL CONCEPTS
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APPROVED: JT
DRAWN: TM
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WOOD & STEEL FRAMING DETAILS

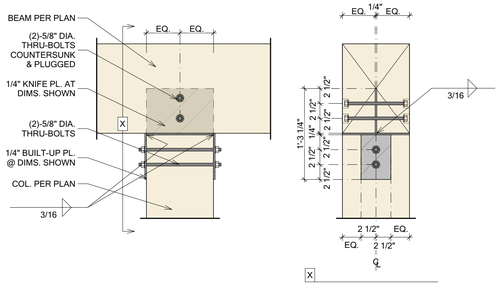
YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

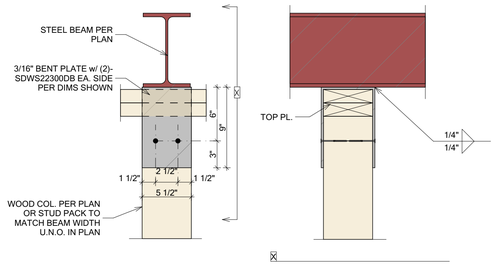
SHEET NUMBER: S2.10

PLOT DATE: 4/23/2026 4:42 PM

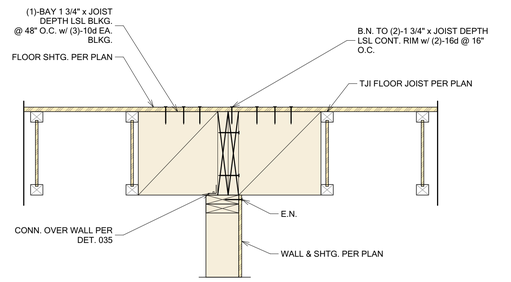
BIMcloud "thegeekbehave - BIMcloud Software as a Service/CY26 - Yurok Youth Center/CY26 - Hosted [2025-10-24]



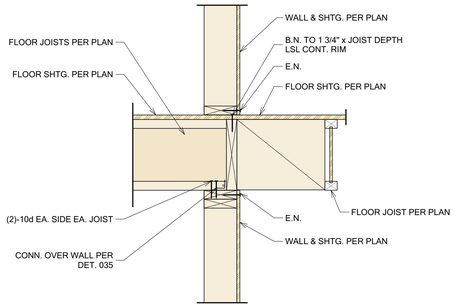
221 WOOD BEAM TO WOOD COLUMN 1" = 1'-0"



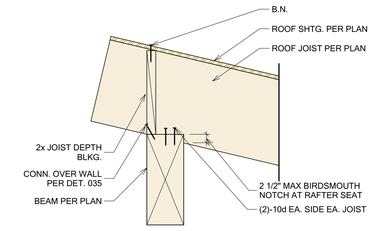
218 STEEL BEAM TO WOOD COL. IN WALL 1 1/2"= 1'-0"



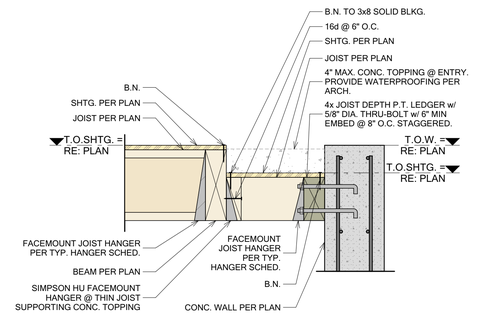
215 PARA. JOISTS OVER WALL 1" = 1'-0"



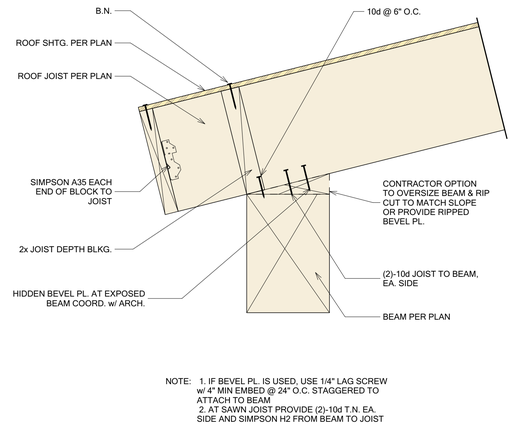
212 PERP. & PARA. JOIST TO WALL 1" = 1'-0"



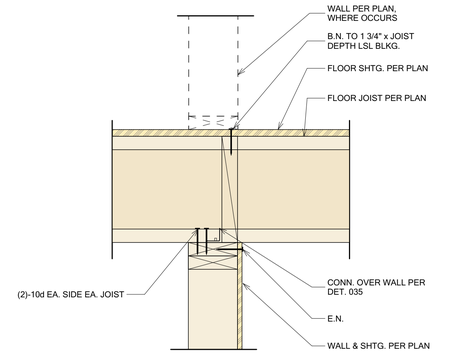
222 ROOF JOIST OVER BEAM 1" = 1'-0"



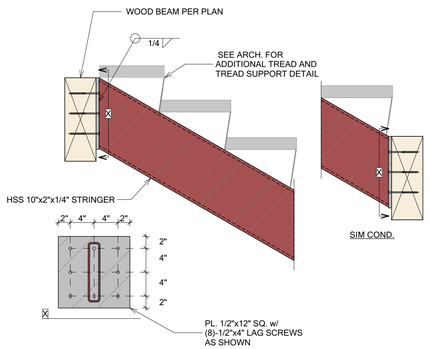
219 FRAMING ELEVATION STEP @ ENTRY 1" = 1'-0"



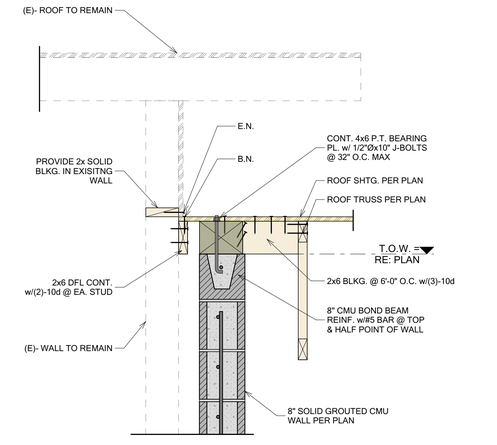
216 ROOF JOIST OVER DROPPED BEAM 1 1/2"= 1'-0"



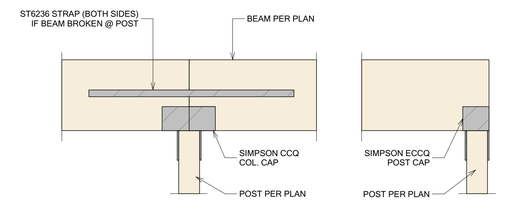
213 PERP. JOIST OVER WALL 1 1/2"= 1'-0"



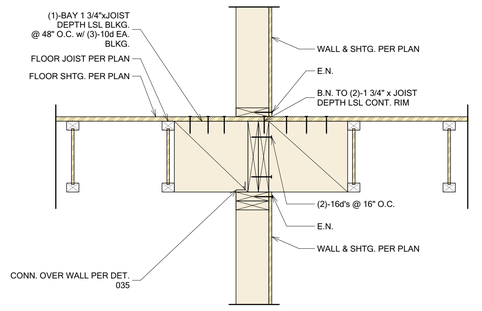
223 STEEL STRINGER TO WOOD BEAM 1" = 1'-0"



220 NEW TO EXISTING ROOF TRANSITION 1" = 1'-0"



217 POST TO BEAM 1" = 1'-0"



214 PARA. JOISTS TO WALL 1" = 1'-0"

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1650 W. TARGEE ST., STE. #5103 BOISE, ID 83705
PHONE: 208.343.2092 - FAX: 208.343.6043
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PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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WOOD & STEEL FRAMING DETAILS

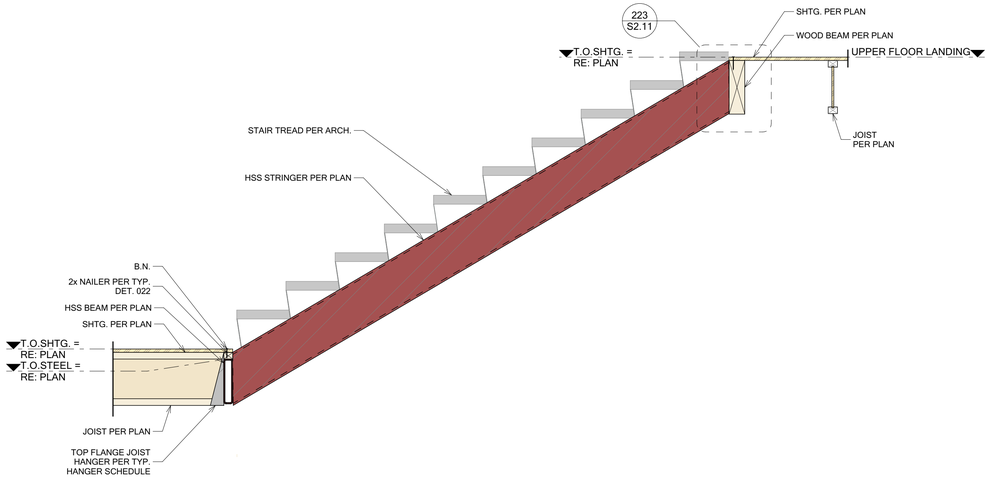
YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

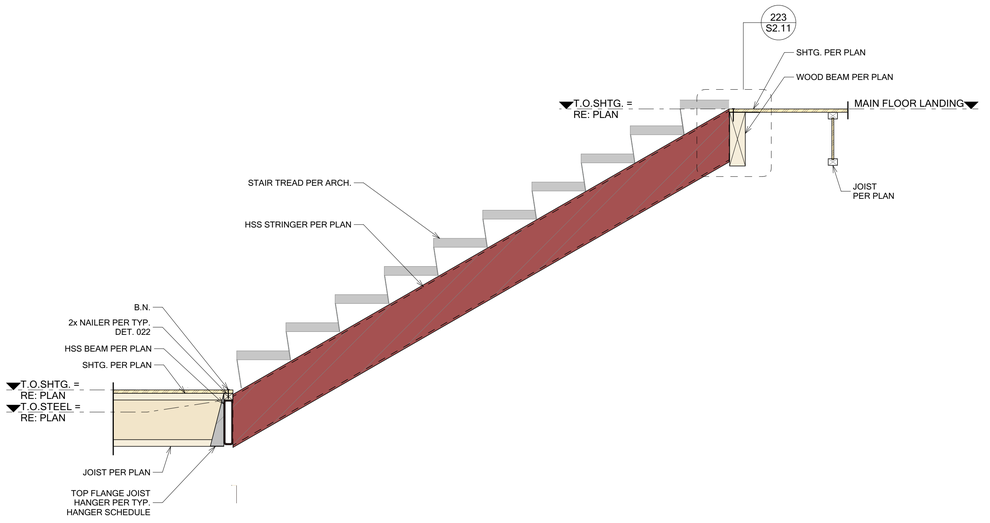
SHEET NUMBER: S2.11

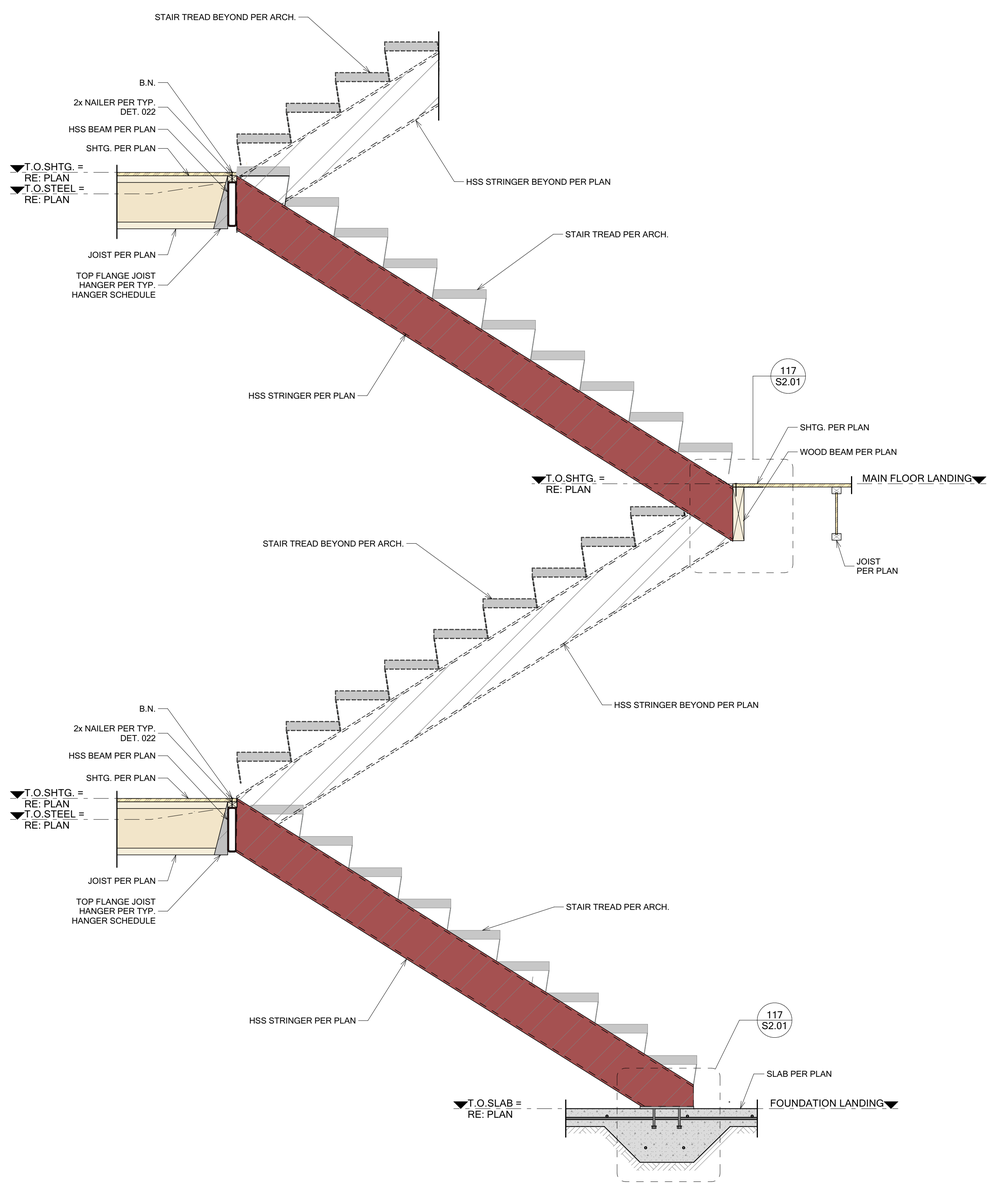
PLOT DATE: 4/23/2026, 4:42 PM

BIMcloud: Integrum/Inhouse - BIMcloud Software as a Service/C12R - Yurok Youth Center/C12R - Hosted (2025.30.24)



401 STAIR SECTION 3/4" = 1'-0"





400 STAIR SECTION 3/4" = 1'-0"

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STRCUTURAL SECTION

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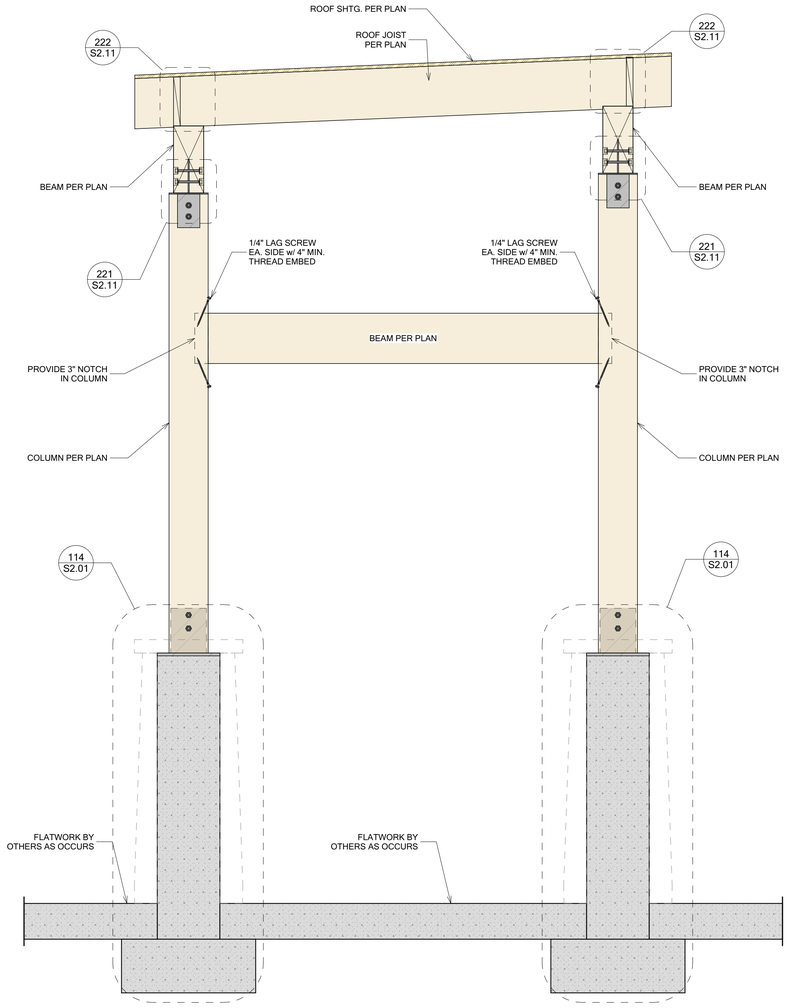
23001 CA HWY 96 WEITCHPEC CA 95546

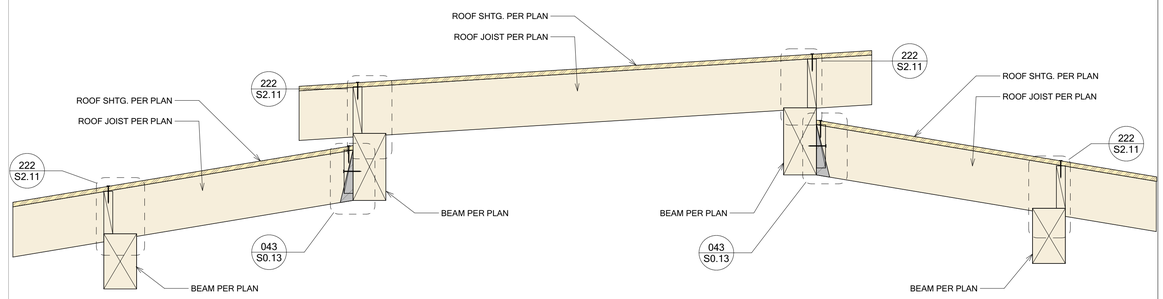
REVISION SCHEDULE

SHEET NUMBER:
S2.20

PLOT DATE: 4/23/2026 4:42 PM BIMcloud: Integrarchitecture - BIMcloud Software as a Service/C129 - Yurok Youth Center/C129 - Rotated (2025-10-24)



402 STRUCTURAL SECTION 3/4" = 1'-0"



403 LOW ROOF SECTION 1" = 1'-0"

STAMP:

BID SET

RIVERSTONE STRUCTURAL CONCEPTS
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PROJECT #: R25-046
APPROVED: JT
DRAWN: TM
SCALE: AS SHOWN
DATE: 4/23/2026

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STRUCTURAL SECTIONS

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

REVISION SCHEDULE

SHEET NUMBER: S2.21

PLOT DATE: 4/23/2026 4:42 PM BIMcloud: Integrarchitecture - BIMcloud Software as a Service/C129 - Yurok Youth Center/C129_Related (2025.10.24)

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MECHANICAL SYMBOLS

	SINGLE LINE	DOUBLE LINE	FITTING DESCRIPTION
DUCTING			RADIUS ELBOW, ROUND OR RECTANGULAR
			SQUARE ELBOW WITH TURNING VANES, RECTANGULAR
			45° LATERAL, ROUND
			DIVIDED FLOW BRANCH, RECTANGULAR
			CONICAL COLLAR, RECTANGULAR TO ROUND
			45° ENTRY COLLAR, RECTANGULAR
			WYE FITTING, ROUND
			DIVIDED FLOW BRANCH, RECTANGULAR
EQUIPMENT			VAV BOX (COOLING ONLY)
			VAV BOX W/REHEAT COIL
		T	THERMOSTAT/SENSOR (INSTALL TOP 46" AFF)
SYMBOLS	12X12 SD-1 200l, 10" Ø	NECK, TAG # CFM, RUNOUT	DIFFUSER, REGISTER, & GRILLE CALL OUT
	WC-1		FIXTURE TAG
			KEY NOTE
	WH 1		EQUIPMENT TAG
	1 M6.1		DETAIL NUMBER SHEET NUMBER
	1 M3.1		SECTION NUMBER SHEET NUMBER

NOTE: THIS IS A SUPPLEMENTAL STANDARD DUCTING LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

HVAC ABBREVIATIONS

Ø	- DIAMETER/ROUND
(ABC)	- ABOVE CEILING
(ABV)	- ABOVE
AC	- AIR CONDITIONER, AIR CONDITIONING
ACCU	- AIR COOLED CONDENSING UNIT
AD	- ACCESS DOOR, AIR DOOR
AE	- AIR EXTRACTOR
(AFF)	- ABOVE FINISHED FLOOR
AHU	- AIR HANDLING UNIT
APPRX	- APPROXIMATE
B	- BOILER
BDD	- BACKDRAFT DAMPER
(BF)	- BELOW FLOOR
BHP	- BRAKE HORSEPOWER
BSB	- BRANCH SELECTOR BOX
BTU	- BRITISH THERMAL UNIT
BTUH	- BRITISH THERMAL UNIT PER HOUR
BTWN	- BETWEEN
C	- CHILLER
CD	- CEILING DIFFUSER, COLD DUCT
CEC	- CALIFORNIA ENERGY CODE
CFH	- CUBIC FEET PER HOUR
CFM	- CUBIC FEET PER MINUTE
CONT	- CONTINUES, CONTINUED
COP	- COEFFICIENT OF PERFORMANCE
CWP	- CONDENSER WATER PUMP
CWR	- CONDENSER WATER RETURN
CWS	- CONDENSER WATER SUPPLY
(D)	- DROP
DA	- DIRECT ACTING
DB	- DRY BULB
DEMO	- DEMOLISH
DIO	- DIGITAL INPUT OUTPUT
DM	- BACKDRAFT DAMPER
DS	- DUCT SILENCER
(E)	- EXISTING
EA	- EXHAUST AIR
EC	- EVAPORATIVE COOLING UNIT
ECM	- ELECTRONICALLY COMMUTATED MOTOR
EBD	- ENTERING DRY BULB TEMPERATURE
EER	- ENERGY EFFICIENCY RATIO
EF	- EXHAUST FAN
EG	- EXHAUST GRILLE, EXISTING GRADE
ER	- EXHAUST REGISTER, ECCENTRIC REDUCER
ERV	- ENERGY RECOVERY VENTILATOR
ESP	- EXTERNAL STATIC PRESSURE
EWB	- ENTERING WET BULB TEMPERATURE
f	- CUBIC FEET PER MINUTE
F	- FURNACE
FA	- FACE AREA
FB	- FILTER BOX
FC	- FLEXIBLE CONNECTION, FAN COIL
FD	- FIRE DAMPER, FLOOR DRAIN
FG	- FLOOR GRILLE, FINISH GRADE
FH	- FUME HOOD
FLA	- FULL LOAD AMPERAGE
FR	- FLOOR REGISTER
FSD	- COMBINATION FIRE/SMOKE DAMPER
GV	- GATE VALVE, GRAVITY VENTILATOR
GH	- GRAVITY VENTILATOR HOOD
HD	- HOT DUCT
HP	- HEAT PUMP, HORSEPOWER
HZ	- HERTZ
IAW	- IN ACCORDANCE WITH
INCL	- INCLUDES, INCLUDING
KEF	- KITCHEN EXHAUST FAN
KH	- KITCHEN HOOD
KHC	- KITCHEN HOOD CONTROLLER
KW	- KILOWATT
LA	- LEAVING AIR
LAT	- LEAVING AIR TEMPERATURE
LBS	- POUNDS
LDB	- LEAVING DRY BULB TEMPERATURE
LWB	- LEAVING WET BULB TEMPERATURE
MA	- MIXED AIR
MAD	- MIXED AIR DAMPER
MAT	- MIXED AIR TEMPERATURE
MAU	- MAKEUP AIR UNIT
MAV	- MANUAL AIR VENT
MBH	- THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	- MINIMUM CIRCUIT AMPACITY
MD	- MOTORIZED DAMPER
MERV	- MINIMUM EFFICIENCY REPORTIG VALUE
MFR	- MANUFACTURER
MOCP	- MAXIMUM OVER CURRENT PROTECTION
MVD	- MANUAL VOLUME DAMPER
(N)	- NEW
NC	- NORMALLY CLOSED
NO	- NORMALLY OPEN
OA	- OUTSIDE AIR
OAD	- OUTSIDE AIR DAMPER
OAH	- OUTDOOR AIR HANDLER
OAS	- OUTDOOR AIR SYSTEM
OAT	- OUTSIDE AIR TEMPERATURE
OBD	- OPPOSED BLADE DAMPER
(OH)	- OVERHEAD
PH	- PHASE
QTY	- QUANTITY
(R)	- RISE
RA	- RETURN AIR, REVERSE ACTING
REF	- ROOF MOUNTED EXHAUST FAN
RF	- RETURN FAN
RG	- RETURN GRILLE
RH	- RADIANT HEATER, RELATIVE HUMIDITY
RHP	- RADIANT HEATING PANEL
RL	- REFRIGERANT LIQUID
RR	- RETURN REGISTER
RS	- REFRIGERANT SUCTION
RSR	- RISER
SA	- SUPPLY AIR
SD	- SMOKE DETECTOR/SMOKE DAMPER
SEER	- SEASONAL ENERGY EFFICIENCY RATIO
SF	- SUPPLY FAN
SP	- STATIC PRESSURE
SQFT	- SQUARE FEET
SR	- SUPPLY REGISTER
SWR	- SIDE WALL REGISTER
TEMP	- TEMPERATURE
TG	- TRANSFER GRILLE
TSTAT	- THERMOSTAT
TYP	- TYPICAL
(UG)	- UNDER GROUND
UH	- UNIT HEATER
(US)	- UNDER SLAB
UV	- UNIT VENTILATOR
V	- VOLTS, VENT
VAV	- VARIABLE AIR VOLUME
W	- WATTS
WB	- WET BULB
WC	- WATER COLUMN
WP	- WORKING PRESSURE

NOTE: THIS IS A SUPPLEMENTAL STANDARD HVAC LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

PIPING SYMBOLS

	——— ———	REFRIGERANT

GENERAL NOTES

#	NOTE
1.	PRODUCTS, PROCEDURES, AND INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA REQUIREMENTS, APPLICABLE STATE LAWS, LOCAL LAWS, CODES AND ORDINANCES. ELECTRICAL WIRING AND CONDUIT INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH THE DIVISION 26 SPECIFICATIONS. THE CONTRACTORS SHALL ADHERE TO THE SPECIFIC PRODUCT AND INSTALLATION REQUIREMENTS OF MANUFACTURES PROVIDING MATERIALS TO THE JOB. CONFLICTS, IN ANY, WILL BE RESOLVED AT THE DISCRETION OF THE ENGINEER OF RECORD.
2.	IT IS OF THE UTMOST IMPORTANCE THAT THE INSTALLING CONTRACTOR HAVE THE MASTERY OF THE PROJECT-SPECIFIC REQUIREMENTS SHOWN IN THE SPECIFICATIONS AND CONSTRUCTION DRAWINGS. IT IS STRONGLY ADVISED THAT THE CONTRACTOR CONTACT THE EOR FOR CLARIFICATION OR RFI THE EOR IF FURTHER INFORMATION IS REQUIRED. THE EOR WILL REQUIRE REVISIONS TO BE MADE IN THE FIELD IF THE INSTALLATION DOES NOT FALL WITHIN THESE PROJECT-SPECIFIC GUIDELINES. NO ALLOWANCE SHALL BE MADE FOR INSTALLATION NOT ADHERING TO THESE REQUIREMENTS.
3.	CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS.
4.	ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE 2025 CALIFORNIA CODES.
5.	COORDINATE WITH OTHER DISCIPLINES TO AVOID CONFLICTS ABOVE CEILING.
6.	MAINTAIN ALL MANUFACTURER RECOMMENDED SERVICE CLEARANCES.
7.	ALL FAN COILS HAVE CONDENSATE DRAIN LINES THAT SHALL BE DRAINED TO EXTERIOR LANDSCAPING OR TO A SINK TAILPIECE WITHIN THE SPACE SERVED BY THE HVAC UNIT REFER TO PLUMBING SHEETS FOR CONDENSATE PIPING.
8.	EACH DIFFUSER, RETURN, AND EXHAUST SHALL HAVE A BALANCE DAMPER. BALANCE DAMPER SHALL BE INSTALLED IN ACCESSIBLE T-BAR CEILING LOCATION. WHERE ACCESS IS LIMITED DUE TO HARD CEILINGS OR WALL MOUNTED AIR TERMINALS, DAMPER SHALL BE PROVIDED WITHIN AIR TERMINAL ASSEMBLY.
9.	ALL THERMOSTATS ON DRAWINGS ARE LOCATED ON THE MAIN LEVEL. INSTALL THERMOSTATS WITH TOP AT 47" AFF.
10.	EXPOSED DUCTING SHALL BE SPIRAL 22 GAUGE MINIMUM WITH A MILL FINISH. DENTS AND VISIBLE DAMAGE WILL NOT BE ALLOWED. DUCTWORK SHALL BE SUPPORT BY SINGLE ROD HANGERS. ALL DUCTWORK EXCEPT IN THE THIRD FLOOR COMMUNITY ROOM SHALL BE ROUTED ABOVE THE HARD LID CEILING.
11.	PROVIDE 1" THICK ACOUSTIC LINING IN RESTROOM TRANSFER DUCTS.
12.	ALL DUCTWORK IN TRUSS SPACE SHALL BE INSULATED WITH MINIMUM R4.2 INSULATION, UNLESS NOTE OTHERWISE. DUCT INSULATION SHALL CONTINUE THROUGH PENETRATION.
13.	FLEX DUCTS MAY BE DIRECTLY CONNECTED TO CEILING DIFFUSERS AND GRILLES IN CONCEALED AREAS WHERE SPACE PERMITS MINIMUM OF 1.5 ELBOW RADIUS. FLEXIBLE DUCTS SHALL NOT BE USED TO MAKE ELBOWS OR TRANSITIONS.
14.	BRANCHES ON VENTILATION AND EXHAUST DUCTS TO AIR TERMINALS, MAY REQUIRE ELEVATION CHANGES TO THE CONNECTION. DRAWING DEPICTS GENERAL ROUTING. MAKE ADJUSTMENTS TO BRANCH DUCTING AS REQUIRED, IN ACCORDANCE WITH SPECIFICATION.
15.	ALL DUCTWORK TAPS SHALL ENTER AND EXIT DUCTWORK AT MAXIMUM 45° AND TRANSITIONS SHALL BE MAXIMUM OF 30° UNLESS OTHERWISE SPECIFIED ON PLANS.
16.	CONCEAL CONDENSATE AND REFRIGERANT PIPING IN WALLS. WHERE NOT POSSIBLE, ROUTE WITHIN PVC TRUNKING WITH SNAP ON COVERS AND FITTINGS. ARTICON COM FAMILY OR EQUAL.
17.	COORDINATE WITH FRAMING INSTALLER TO PROVIDE REQUIRED BLOCKING FOR SUPPORT OF ALL EQUIPMENT AND OPENINGS FOR DUCTING AND PLENUM'S.
18.	AVOID INSTALLING EXPOSED DUCTS IN AREAS UNDER EXPOSED LIGHTING WHERE SHADOWING MAY OCCUR. IF CONDITION OCCURS, ADJUST DUCTING AS ALLOWED ABOVE OR RFI MEOR.
19.	MECHANICAL CONTRACTOR SHALL COORDINATE WITH FIRE ALARM CONTRACTOR FOR WHO SHALL PROGRAM AND WIRE DUCT SMOKE DETECTORS.
20.	ERV REMOTE PANELS AND DAIKIN ITOUCH CONTROLLER SHALL BE INSTALLED WITH TOP 47" AFF. COORDINATE WITH ELECTRICAL PLANS FOR RECEPTACLE LOCATIONS.
21.	ALL FAN COILS LOCATED ABOVE HARD CAP CEILING SHALL HAVE A MINIMUM 24" X 24" CEILING ACCESS PANEL.

FIRE DAMPER NOTES

#	NOTE
1.	ALL FIRE DAMPERS SHALL HAVE HINGED GASKETED DUCT ACCESS DOORS INSTALLED IN DUCTWORK.
2.	CONTRACTOR SHALL INSTALL CEILING ACCESS DOORS 24" X 24" BELOW FIRE DAMPER ACCESS DOORS. MECHANICAL CONTRACTOR AND GENERAL CONTRACTOR SHALL COORDINATE TO INCLUDE WITHIN THE SCOPE OF THE PROJECT.

trilogy
2055 PINE STREET REDDING, CA 96001
www.trilogyarch.com
t: 530.243.3000

ARCHITECT'S STAMP

LICENSED ARCHITECT
MARK R. VAN DEBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

23001 CA HWY 96 WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% D.D.	14.JAN.2026
50% C.D.	30.MAR.2026
PROGRESS SET	13.APR.2026
75% C.D.	24.APR.2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO.	801.57
DATE:	23-APR-2026
ISSUE:	BID SET PROGRESS SET

SHEET NO.

M1.0

MECHANICAL LEGENDS

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FAN COIL SCHEDULE

- -	MANUFACTURER	MODEL	INDOOR AIR HANDLER / FAN COIL														DESCRIPTION
			SUPPLY FAN				AIR FILTERS			CAPACITY (BTUH)			ELECTRICAL SERVICE			WEIGHT (LB)	
			CFM	MAX ESP (IN WC)	MOTOR HP	MOTOR FLA	SIZE & EFFICIENCY	IPD (IN WC)	FILTER FPD (IN WC)	COOLING TOTAL	COOLING SENSIBLE	HEATING (@ 17°F)	V-PH-HZ	MCA	MOCP		
FC- 1	DAIKIN	FXMA48AAVJU	1,377	0.8	1/15	0.2	MERV 13	0.21	0.5	38,839	36,308	56,079	208-1-60	3.6	15.0	132	CONCEALED DUCTED (HIGH STATIC) PRIVIDE DFBS55A13 FILTER BOX
FC- 2	DAIKIN	FXZA07AAVJU	307	---	1/15	0.2	NA			6,142	6,127	8,872	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 3	DAIKIN	FXZA12AAVJU	353	---	1/15	0.2	NA			9,555	7,882	13,990	208-1-60	0.4	15.0	36.4	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 4	DAIKIN	FXZA18AAVJU	511	---	1/10	---	NA			14,332	13,299	20,814	208-1-60	0.6	15.0	41.9	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 5	DAIKIN	FXFA30AAVJU	1,059	---	1/10	---	NA			24,237	23,856	35,255	208-1-60	1.0	15.0	58	ROUND FLOW SENSING CASSETTE
FC- 6	DAIKIN	FXMA30AAVJU	1,095	0.8	1/10	0.6	MERV 13	.15	0.5	24,237	23,884	35,255	208-1-60	3.0	15.0	129	CONCEALED DUCTED (HIGH STATIC) PROVIDE DFBS55A13 FILTER BOX
FC- 7	DAIKIN	FXAA24AAVJU	670	---	1/10	0.6	NA			18,902	17,605	27,500	208-1-60	0.6	15.0	35.0	WALL MOUNTED UNIT
FC- 8	DAIKIN	FXZA05AAVJU	300	---	1/15	0.2	NA			4,777	4,777	6,824	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 9	DAIKIN	FXZA05AAVJU	300	---	1/15	0.2	NA			4,777	4,777	6,824	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 10	DAIKIN	FXZA07AAVJU	307	---	1/3	1.3	NA			6,142	6,127	8,872	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 11	DAIKIN	FXZA07AAVJU	307	---	1/3	1.4	NA			6,142	6,127	8,872	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 12	DAIKIN	FXMA30AAVJU	1,095	0.8	-	-	MERV 13	.15	0.5	24,237	23,884	35,255	208-1-60	3	15.0	129	CONCEALED DUCTED (HIGH STATIC) PROVIDE DFBS55A13 FILTER BOX, PROVIDE DUCT SMOKE DETECTOR INNOVAIR D4120 IN SUPPLY DISCHARGE DUCT
FC- 13	DAIKIN	FXMA72AAVJU	2,612	0.6	1/3	1.5	MERV 13	.12	.39	56,905	56,905	84,000	208-1-60	6.5	15.0	318	LARGE CAP HSP DUCTED PROVIDE DACA-MQ96M-13-1K FILTER BOX
FC- 14	DAIKIN	FXZA05AAVJU	300	---	1/15	0.2	NA			4,777	4,777	6,824	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')
FC- 15	DAIKIN	FXZA05AAVJU	300	---	1/15	0.2	NA			4,777	4,777	6,824	208-1-60	0.3	15.0	35.3	4-WAY DISCHARGE CEILING CASSETTE (2'x2')

NOTES:

1. CAPACITIES ARE BASED ON SUMMER OUTDOOR AIR TEMP SUMMER 100.0 °F DB/72.0 °F WB, WINTER 24.0 °F DB.
2. FXZA AND FXFA CIELING CASSETTES SHALL INCLUDE WHITE DECORATION PANEL.
3. PROVIDE MERV 13 FILTER KITS FOR ALL FXMA DUCTED FAN COIL UNITS.
4. ALL FAN COILS SHALL HAVE FACTORY INSTALLED INTEGRATED REFRIGERANT LEAK SENSORS.
5. FAN COILS AND CEILING CASSETTES LOCATED OVER THE SERVER ROOM SHALL HAVE AUTOMATIC SHUTDOWN CAPABILITY UPON CONDENSATE PUMP FAILURE.
6. EACH ZONE SHALL INCLUDE REMOTE CONTROLLER/THERMOSTAT EQUIVALENT TO DAIKIN PART NUMBER BRC1NRC71 COMPATIBLE WITH FAN COIL.
7. FAN COILS SHALL HAVE AUTOMATIC SHUTDOWN CAPABILITY UPON CONDENSATE PUMP FAILURE.
8. INSTALL FAN COILS IN ACCORDANCE WITH MANUFACTURERS INSTALLATION REQUIREMENTS
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONTROL WIRING BETWEEN HEAT PUMP AND FAN COILS IN ACCORDANCE WITH MANUFACTURER INSTALLATION INSTRUCTIONS AND 2025 CALIFORNIA CODES.

AIR TERMINALS SCHEDULE

TAG	MANUFACTURER & MODEL (OR EQUAL)	TYPE	MOUNT	NECK	DESCRIPTION
CD-1	TITUS MCD	CEILING DIFFUSER	SURFACE	SQUARE	STEEL, #26 WHITE, MODULAR CORE W/ ODB
RG-1	TITUS 350RL	RETURN GRILLE	SURFACE	SQUARE	3/4" BLADE SPACING, 35° FIXED, STEEL, #26 WHITE, W/ OBD
EG-1	TITUS 350FL	EXHAUST GRILLE	SURFACE	SQUARE	3/4" BLADE SPACING, 35° FIXED, ALUMINUM, #26 WHITE.
TG-1	TITUS 350FL	TRANSFER GRILLE	SURFACE	SQUARE	3/4" BLADE SPACING, 35° FIXED, ALUMINUM, #26 WHITE.

ENERGY RECOVERY VENTILATOR SCHEDULE

- -	MANUFACTURER	MODEL	ERV UNIT											DESIGN CONDITION TEMPERATURES (°F)								DESCRIPTION
			SUPPLY FAN				EXHAUST FAN				ELECTRICAL SERVICE			WEIGHT (LB)	SEASON	OUTDOOR AIR		SUPPLY AIR		RETURN AIR		EXHAUST AIR	
			TOT CFM	ESP	HP	BHP	TOT CFM	ESP	HP	BHP	V-PH-HZ	MCA	MOCP			DB	WB	DB	WB	DB	WB	DB	WB	
ERV-1	GREENHECK	ERV-20-15L	940	0.75	1/2	0.43	940	0.75	1/2	0.38	208-3-60	7.7	15	708	SUMMER	100	72	81.7	66.2	78	64.9	96.3	71.1	OUTDOOR RATED, UL-1812 LISTED, (2) 16" x 20" x 2" OUTDOOR AIR MERV 13 FILTERS, (2) 16" x 20" x 2" MERV 8 EXHAUST FILTERS, POLY WHEEL WITH SILICA GEL DESICANT, DOUBLE WALL UNIT CONSTRUCTION, 1" R4 FIBERGLASS INSULATION, CORROSION RESISTANT FASTENERS, HINGED ACCESS DOORS, EXHAUST AND SUPPLY FAN VFDS AND RATED VFD MOTORS, SINGLEPOINT POWER, FACTORY WIRED NON-FUSED DISCONNECT SWITCH, NEOPRENE FAN VIBRATION ISOLATION, SUPPLY AND EXHAUST WEATHER HOOD, MODULATION WHEEL FOR FROST CONTROL, SERVICE OUTLET, LOW LEAKAGE RETRUN AND OUTDOOR DAMPERS, 18 MONTH UNIT WARRANTY WITH 5 YEAR ENERGY WHEEL WARRANTY, UNIT TERMINAL STRIP, ERV REMOTE CONTROL PANEL WITH HOA, ON/OFF LIGHT, ECONOMIZER LIGHT, FROST CONTROL LIGHT, 7 DAY TIME CLOCK. PROVIDE 14" CURB.
															WINTER	24	20.1	61.7	48.9	70	54.2	31.6	27.4	
ERV-2	GREENHECK	ERVe-20-15H	1825	0.75	1-1/2	1.13	1825	0.75	1-1/2	1.13	208-3-60	17.2	20	1055	SUMMER	100	72	84	67	78	64.9	93.9	70.3	OUTDOOR RATED, UL-1812 LISTED, (2) 20" x 20" x 2" OUTDOOR AIR MERV 13 FILTERS, (2) 20" x 20" x 2" MERV 8 EXHAUST FILTERS, POLY WHEEL WITH SILICA GEL DESICANT, DOUBLE WALL UNIT CONSTRUCTION, 1" R4 FIBERGLASS INSULATION, CORROSION RESISTANT FASTENERS, HINGED ACCESS DOORS, EXHAUST AND SUPPLY FAN VFDS AND RATED VFD MOTORS, SINGLEPOINT POWER, FACTORY WIRED NON-FUSED DISCONNECT SWITCH, NEOPRENE FAN VIBRATION ISOLATION, SUPPLY AND EXHAUST WEATHER HOOD, MODULATION WHEEL FOR FROST CONTROL, SERVICE OUTLET, LOW LEAKAGE RETRUN AND OUTDOOR DAMPERS, 18 MONTH UNIT WARRANTY WITH 5 YEAR ENERGY WHEEL WARRANTY, UNIT TERMINAL STRIP, ERV REMOTE CONTROL PANEL WITH HOA, ON/OFF LIGHT, ECONOMIZER LIGHT, FROST CONTROL LIGHT, 7 DAY TIME CLOCK. PROVIDE 14" CURB.
															WINTER	24	20.1	56.4	45.1	70	54.2	36.6	31.9	

NOTES:

1. ERVS SHALL BE PROVIDED WITH ERV REMOTE CONTROL PANEL
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL POWER WIRING BETWEEN ERVS AND RESPECTIVE CONTROL PANEL
3. CONTRACTOR SHALL PROVIDE MANUAL SPEED CONTROL DIAL ON VARIABLE SPEED FANS FOR AIR BALANCE

LOUVER SCHEDULE

- -	MANUFACTURER & MODEL (OR EQUAL)	DESCRIPTION	DIMENSIONS		AIRFLOW			
			WIDTH	HEIGHT	FREE AREA (SQFT)	SP LOSS (IN WC)	FACE FPM	CFM
LVR-1	GREENHECK ESD-435	WEATHER LOUVER FOR BUILDING INTAKE, WITH ALUMINUM FRAME, BLADES, INSECT SCREEN, AND MIN 12" SLEEVE. INCLUDE MOUNTING HARDWARE AS RECOMMENDED BY MANUFACTURER.	6	6	1.61	<0.01	100	25
LVR-2	GREENHECK ESD-435	WEATHER LOUVER FOR BUILDING INTAKE, WITH ALUMINUM FRAME, BLADES, INSECT SCREEN, AND MIN 12" SLEEVE. INCLUDE MOUNTING HARDWARE AS RECOMMENDED BY MANUFACTURER.	6	6	1.61	<0.01	100	25

NOTES:

1. CONTRACTOR SHALL REVIEW EXISTING STRUCTURAL FRAMING AND COORDINATE LOUVER SIZE. LOUVER SIZE MAY BE ADJUSTED AS REQUIRED, WHILE MAINTAINING CFM AND MAXIMUM ALLOWABLE STATIC PRESSURE LOSS AS LISTED IN SCHEDULE ABOVE.

BRANCH SELECTOR SCHEDULE

- -	MANUFACTURER	MODEL	V-PH-HZ	MCA	MOCP (AMPS)	WEIGHT (LBS)	DESCRIPTION
BSB-1	DAIKIN	BSFB4S44AAVJ	208-1-60	1.9	15	110.2	BRANCH SELECTOR BOX, INCLUDE ENCLOSURE KIT.
BSB-2	DAIKIN	BSFB4S44AAVJ	208-1-60	1.9	15	110.2	BRANCH SELECTOR BOX, INCLUDE ENCLOSURE KIT.

HEAT PUMP SCHEDULE

- -	MANUFACTURER	MODEL	CAPACITY BTU/H		ELECTRICAL SERVICE			EFFICIENCY			REFRIGERANT TYPE	WEIGHT (LB)	DESCRIPTION
			COOLING	HEATING	V-PH-HZ	MCA	MOCP	EER	IEER	COP @ 47			
HP-1	DAIKIN	REYA240AATJA	227446	189.029	208-3-60	79.1	90	10.7	20.4	3.7	R-32	975	HEAT RECOVERY, LOW AMBIENT HEATING DOWN TO -22 °F,CONTINUOUS HEATING DURING DEFROST, INVERTER COMPRESSORS.

NOTES:

1. HEAT PUMP SHALL INCLUDE CENTRALIZED CONTROLLER DAIKIN PART NUMBER DCM601A71 COMPATIBLE WITH HEAT PUMP. CENTRALIZED CONTROLLER SHALL HAVE BACNET CLIENT OPTION. REFER TO VRV CONTROL WIRING DIAGRAMS.
2. CAPACITIES ARE BASED ON OUTDOOR AIR TEMP SUMMER 100.0 °F DB/72.0 °F WB, WINTER 24.0 °F DB.
3. HP-1 AND HP-2 EACH CONSIST OF TWO UNITS OPERATING TOGETHER. THEREFORE THERE WILL BE TWO VALUES FOR EACH HEAT PUMP IN MANY OF THE FIELDS.
4. PROVIDE AND INSTALL PIPING, REFNET FITTINGS, AND CONTROL WIRING AS SHOWN ON VRV DIAGRAMS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFRIGERANT PIPING AND APPURTENANCES REQUIRED TO INSTALL A COMPLETE REFRIGERANT SYSTEM BETWEEN THE HEAT PUMP AND INDOOR FAN COILS.
6. HEAT PUMP SHALL BE AHRI LISTED WITH THEIR FAN COIL.
7. CONTRACTOR SHALL PROVIDE ALL CONTROL AND POWER WIRING BETWEEN HP, FC, AND THERMOSTAT.

FIRE DAMPERS SCHEDULE

TAG	MANUFACTURER & MODEL (OR EQUAL)	DESCRIPTION	DIMENSIONS	AIRFLOW		
			DIAMETER	SP LOSS (IN WC)	SLEEVE LENGTH	CFM
FD-1	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	185
FD-2	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	10	<0.03	13.625	185
FD-3	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	0	13.625	20
FD-4	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	0	13.625	20
FD-5	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	30
FD-6	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	30
FD-7	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	30
FD-8	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	30
FD-9	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	100
FD-10	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	100
FD-11	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	100
FD-12	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	100
FD-13	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	0	13.625	25
FD-14	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	0	13.625	25
FD-15	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	200
FD-16	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	200
FD-17	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	16	<0.01	13.625	1080
FD-18	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	16	<0.01	13.625	1080
FD-19	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	100
FD-20	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	80
FD-21	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	16	<0.01	13.625	1160
FD-22	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	16	<0.01	13.625	1265
FD-23	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	16	<0.02	13.625	1345
FD-24	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	8	<0.01	13.625	80
FD-25	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	75
FD-26	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	10	<0.01	13.625	300
FD-27	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	75
FD-28	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	10	<0.01	13.625	300
FD-29	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	30
FD-30	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	6	<0.01	13.625	30
FD-31	GREENHECK DFDR-S10	A ROUND FIRE DAMPER, QUALIFIED TO 2,000 FT/MIN AND 4 IN. WG FOR OPERATION AS A DYNAMIC CLOSURE DAMPER IN EMERGENCY FIRE SITUATIONS, MOUNTED VERTICALLY OR HORIZONTALLY, FUSABLE LINK WITH CLOSURE TEMPERATURE OF 165.	16	<0.01	13.625	1080

NOTES:

1. FIRE DAMPERS SHALL BE PROVIDED WITH OEM'S SQUARE-TO-ROUND RETAINING PLATES

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ARCHITECT'S STAMP

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BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% D.D.	14.JAN.2026
50% C.D.	30.MAR.2026
PROGRESS SET	13.APR.2026
75% C.D.	24.APR.2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. 801.57
DATE: 23-APR-2026
ISSUE: BID SET / PROGRESS SET

SHEET NO.

M1.1

MECHANICAL SCHEDULES

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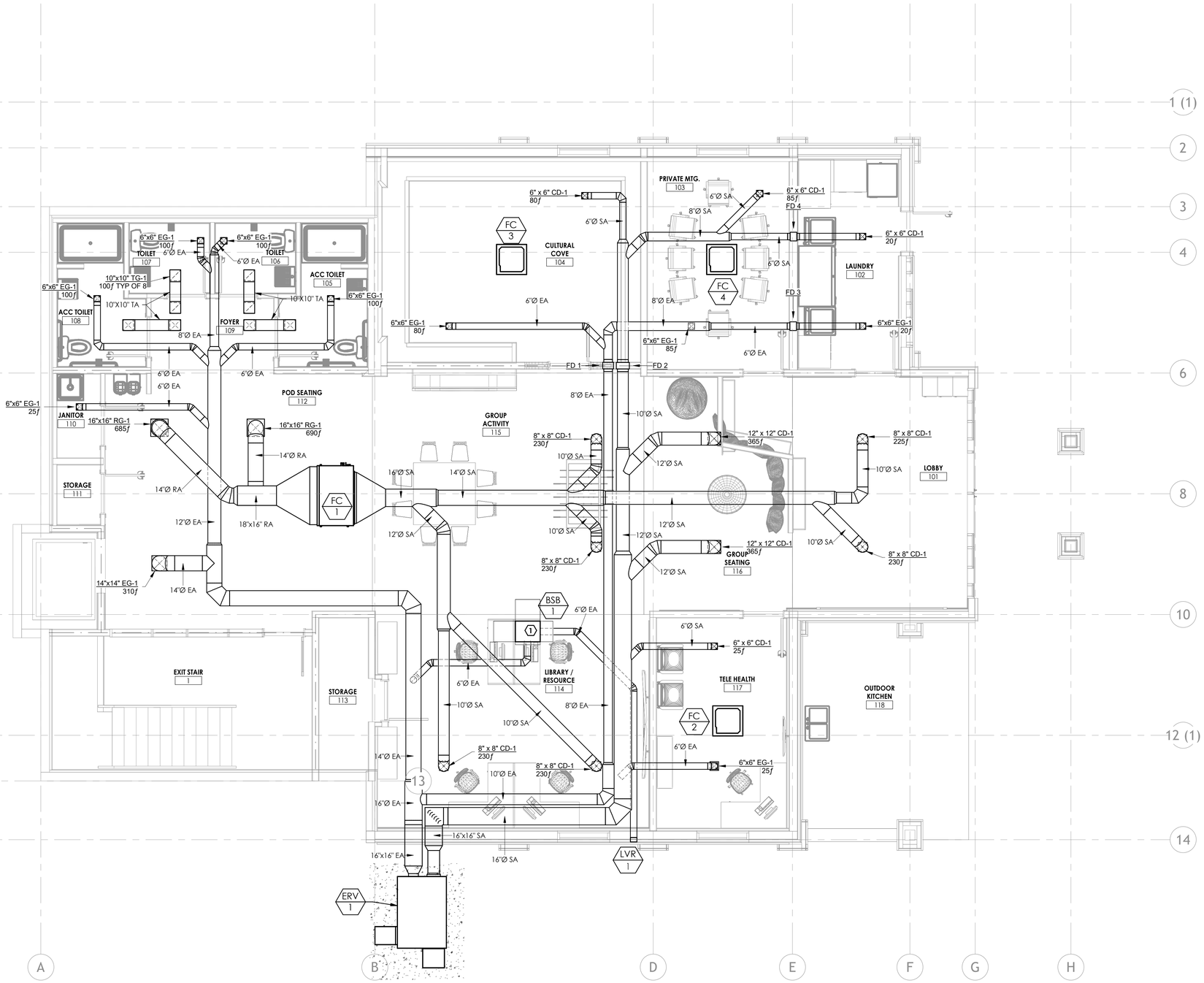
KEYNOTES

#	NOTE
1.	CONNECT DUCTWORK IN ACCORDANCE WITH MANUFACTURES VENTILATED BRANCH SELECTOR BOX INSTRUCTIONS.

LEGEND

1 HR FIRE RATED WALL - ——— · ——— · ——— · ———



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MECHANICAL 1ST FLOOR PLAN (1 / M2.0)

1/4" = 1'-0"

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REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. 801.57

DATE: 23-APR-2026

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MECHANICAL 1ST FLOOR PLAN

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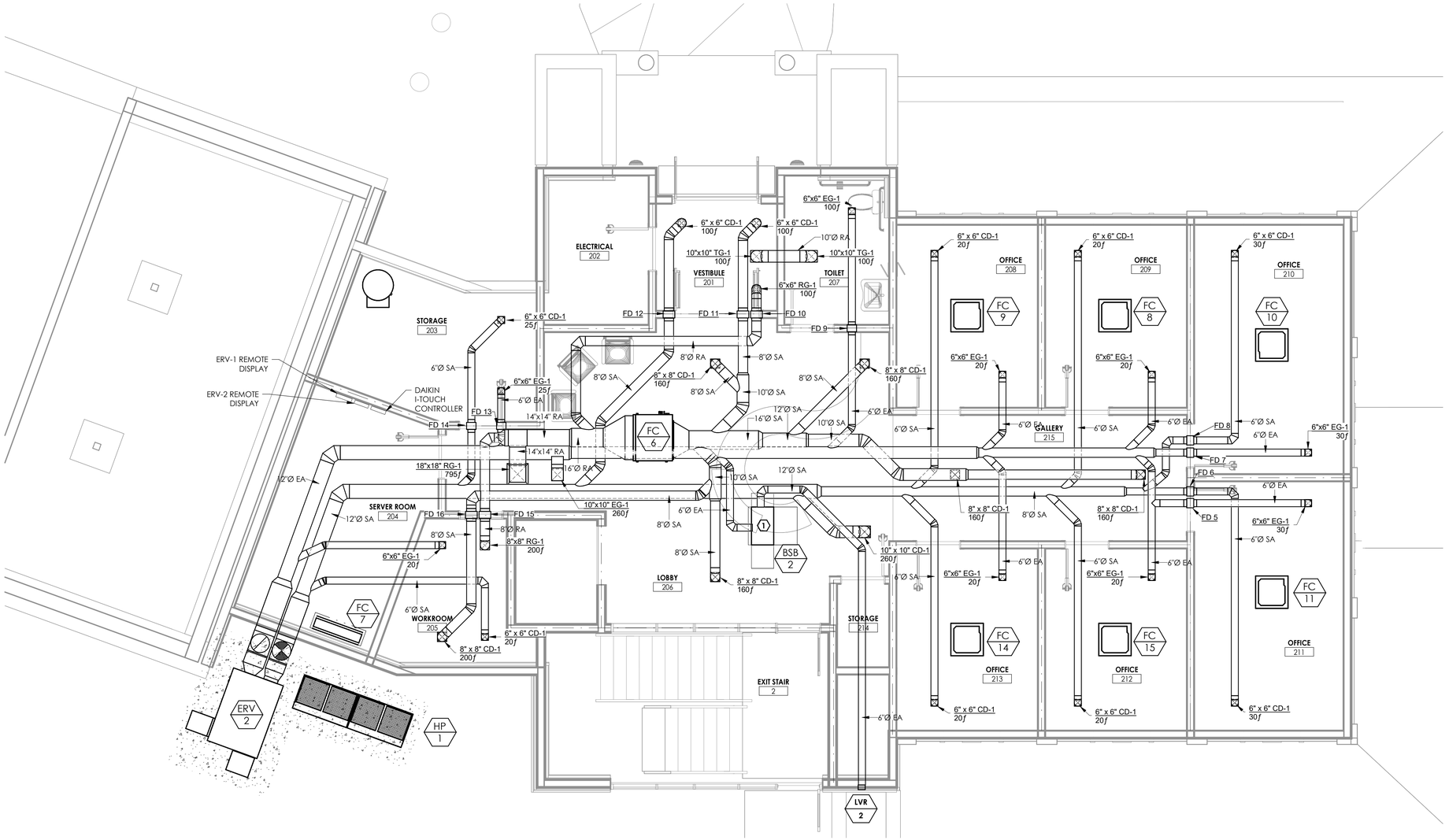
KEYNOTES

#	NOTE
1.	CONNECT DUCTWORK IN ACCORDANCE WITH MANUFACTURES VENTILATED BRANCH SELECTOR BOX INSTRUCTIONS.

LEGEND

1 HR FIRE RATED WALL - ——— · ——— · ——— · ———



MECHANICAL 2ND FLOOR PLAN (1 / M2.1)
1/4" = 1'-0"

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MECHANICAL 2ND FLOOR PLAN

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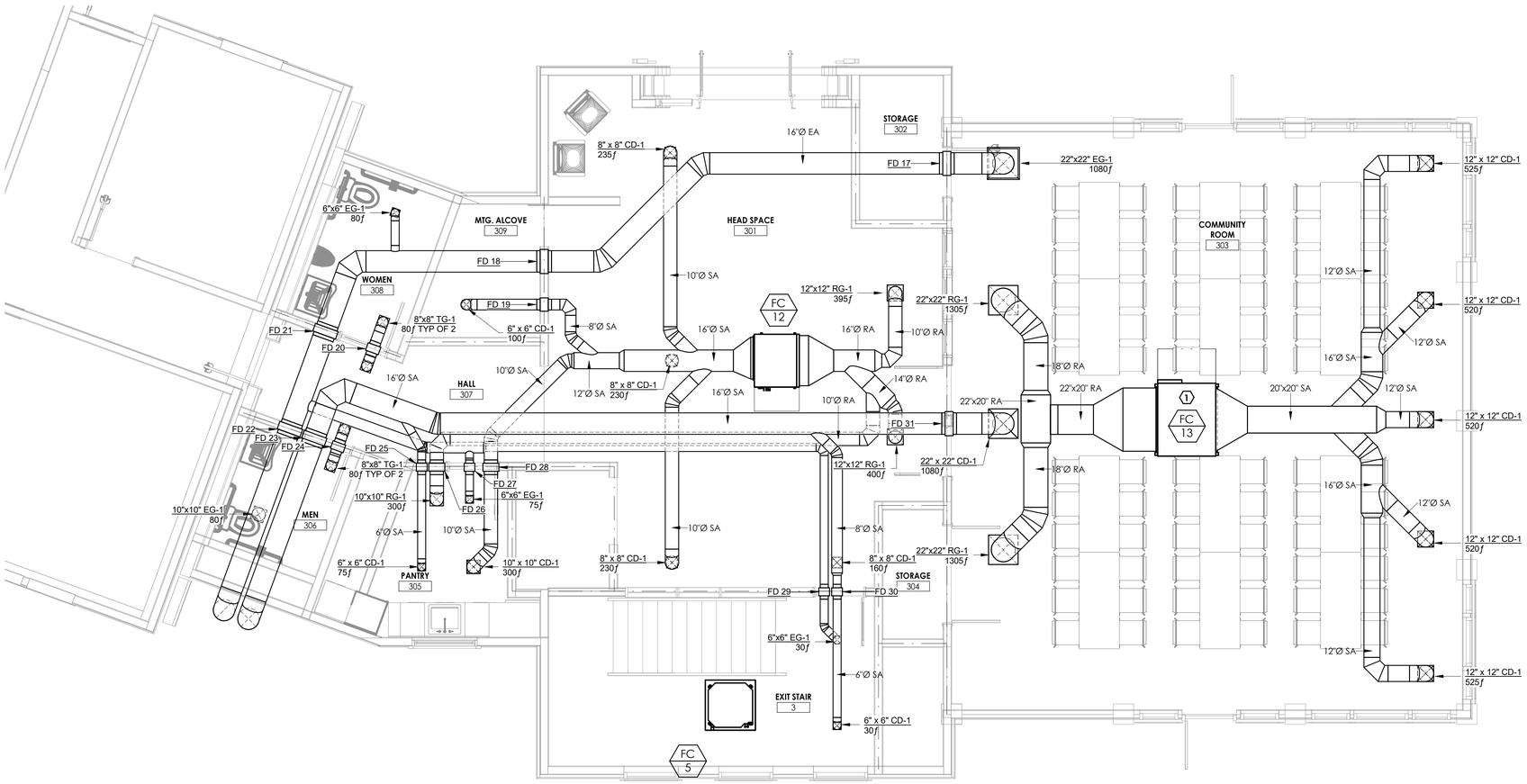
KEYNOTES

#	NOTE
1.	FAN COIL AND DUCTWORK SHALL BE INSTALLED BELOW FIRE RATED CEILING.

LEGEND

1 HR FIRE RATED WALL - ——— · ——— · ——— · ———



MECHANICAL 3RD FLOOR PLAN (1 / M2.2)
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75% C.D.	24.APR.2026

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REV #	DESCRIPTION	DATE

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DATE: 23-APR-2026
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M2.2

MECHANICAL 3RD FLOOR PLAN

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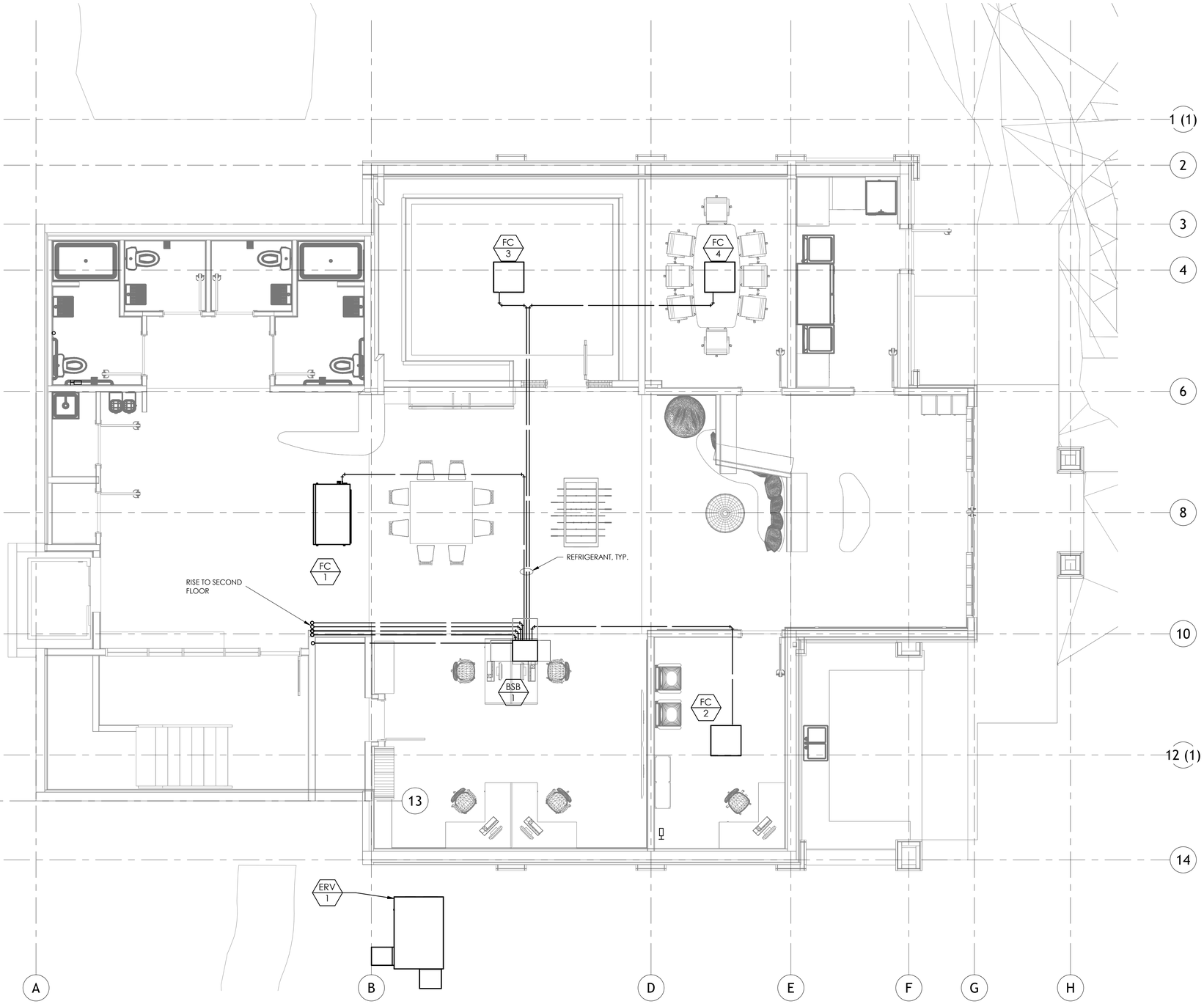

MECHANICAL 1ST FLOOR REFRIGERANT PLAN (1 / M3.0)
1/4" = 1'-0"

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REVISIONS

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PROJECT NO.	801.57
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MECHANICAL 1ST FLOOR REFRIGERANT PLAN

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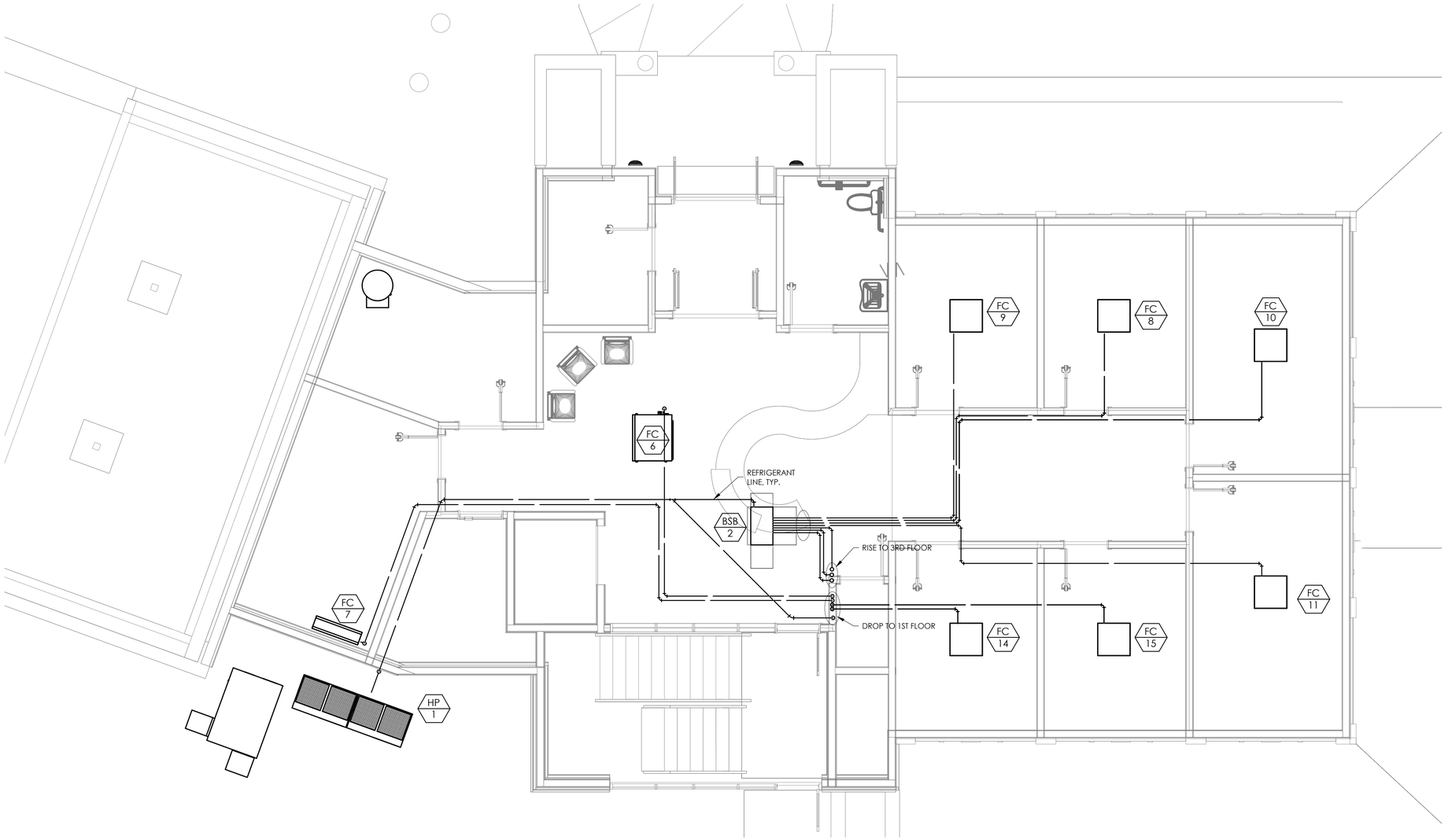

MECHANICAL 2ND FLOOR REFRIGERANT PLAN (1 / M3.1)
1/4" = 1'-0"

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ARCHITECT'S STAMP

LICENSED ARCHITECT
LARRY R. VAN DEBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

23001 CA HWY 96 WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% D.D.	14.JAN.2026
50% C.D.	30.MAR.2026
PROGRESS SET	13.APR.2026
75% C.D.	24.APR.2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. 801.57
DATE: 23-APR-2026
ISSUE: BID SET / PROGRESS SET

SHEET NO.

M3.1

MECHANICAL 2ND FLOOR REFRIGERANT PLAN

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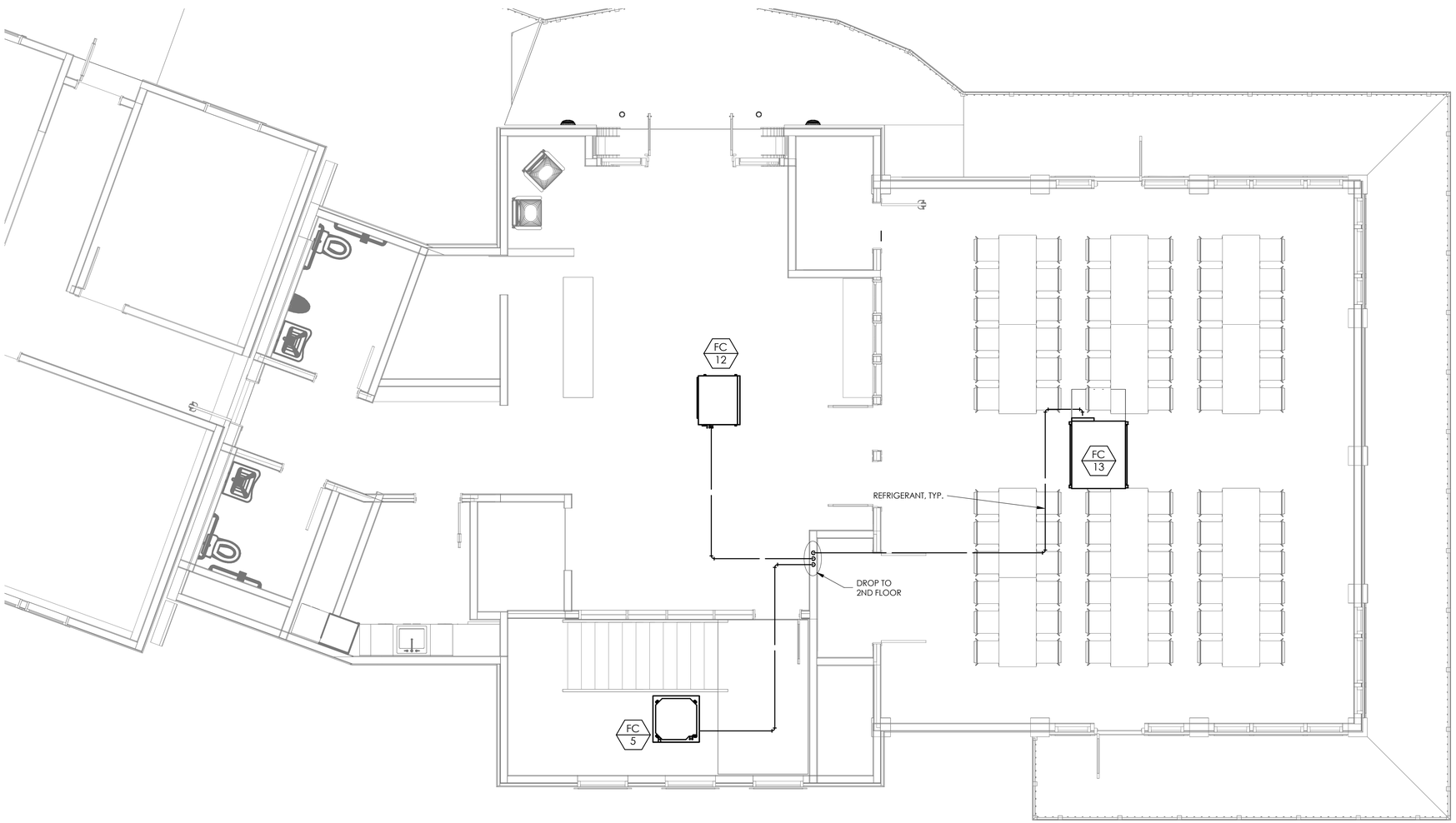

MECHANICAL 3RD FLOOR REFRIGERANT PLAN (1 / M3.2)
1/4" = 1'-0"

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REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. 801.57
DATE: 23-APR-2026
ISSUE: BID SET
PROGRESS SET

SHEET NO.

M3.2

MECHANICAL 3RD FLOOR REFRIGERANT PLAN

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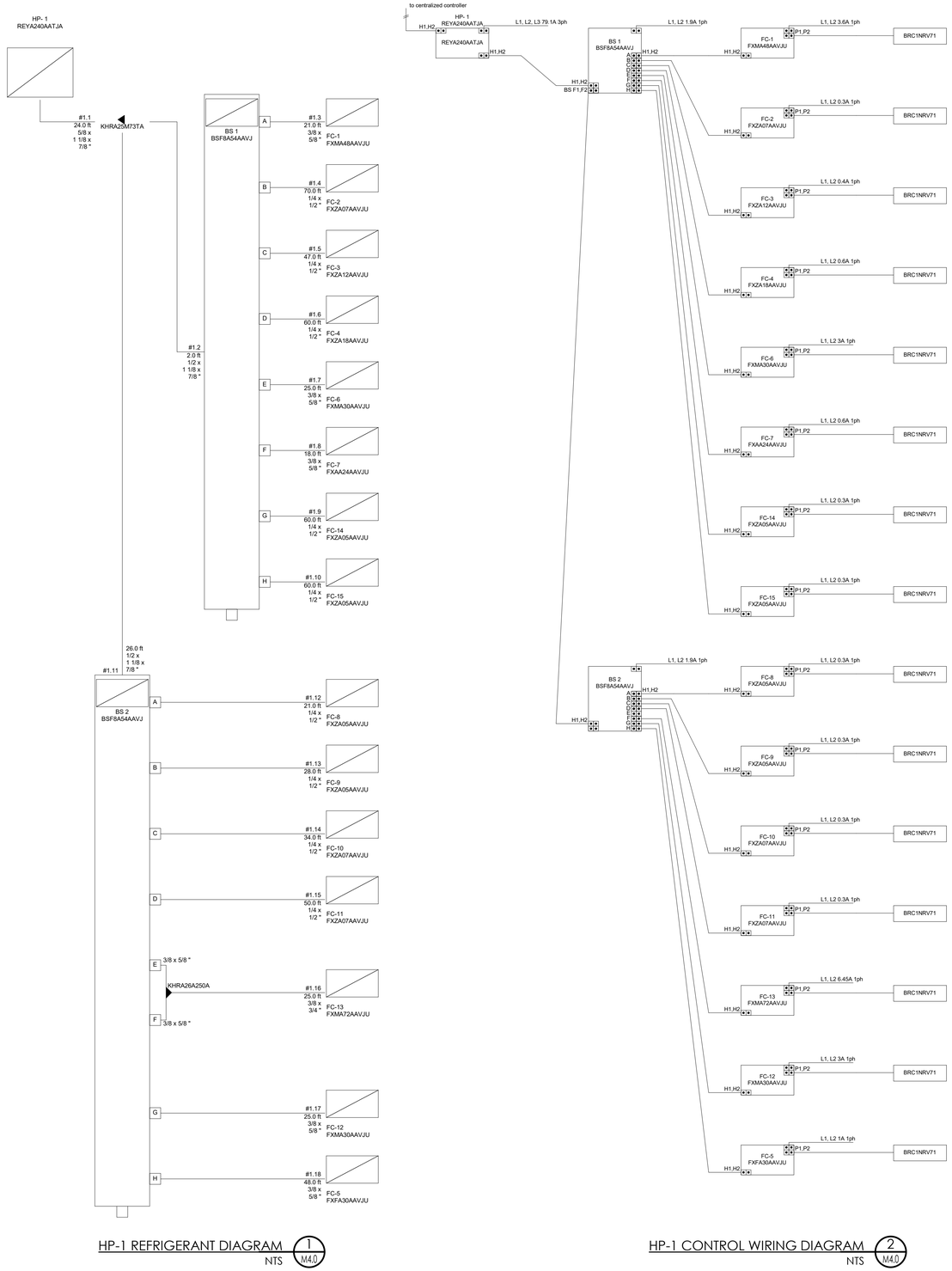

HP-1 REFRIGERANT DIAGRAM 1 M4.0
NTS

HP-1 CONTROL WIRING DIAGRAM 2 M4.0
NTS

SEQUENCE OF OPERATIONS

#	NOTE
1.	FAN COILS SHALL BE CONTROLLED BY THERMOSTATS IN SPACE.
2.	ERV SHALL BE PROGRAMMED TO RUN DURING SCHEDULED OCCUPANCY. ERV SHALL COMPLETE OCCUPANCY PURGE 1 HOUR PRIOR TO NORMAL OCCUPIED HOURS PER 2025 CALIFORNIA ENERGY CODE.

VRV REFRIGERANT NOTES

#	NOTE
1.	CONTRACTOR SHALL VERIFY SIZES WITH MANUFACTURER DOCUMENTATION PRIOR TO PURCHASE AND INSTALLATION. REFRIGERANT PIPING SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS. ENSURE PIPING IS NOT RIGIDLY CLAMPED AS THIS WILL CAUSE FAILURE. REFRIGERANT PIPING SHALL HAVE MINIMUM R-4.2 INSULATION IN ACCORDANCE WITH 2025 CALIFORNIA ENERGY CODE SECTION 120.3.
2.	INSTALL MANUFACTURER-PROVIDED REFNET FITTING AT BRANCHES IN REFRIGERANT PIPING, PER MANUFACTURER'S INSTRUCTIONS.
3.	PREINSULATED LINESETS MAY BE INSTALLED BETWEEN TWO TON FAN COILS AND REFNET FITTINGS WHERE ALLOWED BY THE EQUIPMENT MANUFACTURER. RIGID ACR COPPER TUBING SHALL BE REQUIRED ON ALL REFRIGERANT MAINS TO BRANCH SELECTOR BOXES.
4.	CONTRACTOR SHALL BE CERTIFIED BY THE VRV EQUIPMENT MANUFACTURER FOR INSTALLATION OF THE SYSTEMS AND HAVE ATTENDED ALL REQUIRED TRAININGS.
5.	REFRIGERANT PIPING INSTALLED EXPOSED SHALL BE PROTECTED FROM THE ELEMENTS WITH ALUMINUM JACKETS OR PROVIDED WITH COVERS.
6.	ROUTE REFRIGERANT PIPING CONCEALED IN CHASES, AND WALLS WHERE POSSIBLE.
7.	PROVIDE ALL INTERCONNECTIONS OF REFRIGERANT PIPING BETWEEN HP MODULES.
8.	PROVIDE POWER AND TRANSFORMER AS REQUIRED FOR SERVING ITOUCH CONTROLLER AND BACNET INTERFACE.
9.	PRESS FITTINGS ARE NOT AN APPROVED METHOD FOR REFRIGERANT PIPING CONNECTION.

CONTROLLER WIRING 3 M4.0
NTS

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SHEET NO.

M4.0

MECHANICALVRV
REFRIGERANT AND
CONTROL DIAGRAM

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PIPING SYMBOLS

PIPING		COLD WATER
		HOT WATER
		HOT WATER RETURN
		SANITARY WASTE
		SANITARY VENT
		GAS
		LIQUID PETROLEUM GAS
		REFRIGERANT
		TRAP PRIMER
		CONDENSATE DRAIN
		ACID WASTE
		ACID VENT
		COMPRESSED AIR
		RAIN WATER LEADER
LINE TYPES		HEATING CABLE START POINT
		HEATING CABLE END POINT
		DEMOLITION
EQUIPMENT		INLINE PUMP
		FLOW INDICATOR
		THERMOMETER
		PRESSURE GAUGE
		STRAINER
		FLEXIBLE CONNECTOR
		AUTOMATIC AIR VENT
		MANUAL AIR VENT
		GAGE COCK
		GAS COCK
		HOSE BIBB
		POST HYDRANT

NOTE: THIS IS A SUPPLEMENTAL STANDARD PLUMBING LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

PIPING SYMBOLS

EQUIPMENT		VALVE
	M	3-WAY VALVE
		CHECK VALVE
		RELIEF VALVE
		PRESSURE REDUCING VALVE
		CONCRETE VALVE BOX
		BALANCE VALVE
		WALL HYDRANT
		AIR COUPLER
		PETE'S PLUG
		FLOOR DRAIN
		CLEANOUT TO FLOOR
		CLEANOUT TO GRADE
		FLOOR SINK
		WALL CLEANOUT
	T	THERMOSTAT/SENSOR
SYMBOLS		POINT OF CONNECTION
	WC-1	FIXTURE TAG
	1	KEY NOTE
	WH 1	EQUIPMENT TAG
	1 / M6.1	DETAIL NUMBER / SHEET NUMBER
	1 / M3.1	SECTION NUMBER / SHEET NUMBER

NOTE: THIS IS A SUPPLEMENTAL STANDARD PLUMBING LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

PLUMBING ABBREVIATIONS

Ø	- DIAMETER/ROUND	LAV	- LAVATORY
		LBS	- POUNDS
ADA	- AMERICANS WITH DISABILITIES ACT	LPG	- LIQUIFIED PETROLEUM GAS
(ABC)	- ABOVE CEILING	LPS	- LOW PRESSURE STEAM
(ABV)	- ABOVE	LPV	- LUBRICATED PLUG VALVE
AD	- AREA DRAIN, ACCESS DOOR	LWT	- LEAVING WATER TEMPERATURE
AE	- AIR EXTRACTOR		
(AFF)	- ABOVE FINISHED FLOOR	MAV	- MANUAL AIR VENT
APPRX	- APPROXIMATE	MCA	- MINIMUM CIRCUIT AMPACITY
AV	- ANGLE VALVE	MOCP	- MAXIMUM OVER CURRENT PROTECTION
		MPS	- MEDIUM PRESSURE STEAM
B	- BOILER		
BALV	- BALANCE VALVE	(N)	- NEW
(BF)	- BELOW FLOOR	NC	- NORMALLY CLOSED
BFV	- BUTTERFLY VALVE	NO	- NORMALLY OPEN
BHP	- BRAKE HORSEPOWER		
BTU	- BRITISH THERMAL UNIT	O	- OXYGEN
BTUH	- BRITISH THERMAL UNIT PER HOUR	OF	- OVERFLOW LEADER
BTWN	- BETWEEN	OFL	- OVERFLOW RAIN WATER LEADER
BV	- BALL VALVE	(OH)	- OVERHEAD
		OS&Y	- OUTSIDE STEM AND YOKE VALVE
CD	- CONDENSATE DRAIN		
CDOF	- CONDENSATE DRAIN OVERFLOW	PC	- PUMPED CONDENSATE (STEAM)
CO	- CLEANOUT	PD	- PRESSURE DROP
COTF	- CLEANOUT THROUGH FLOOR	PG	- PRESSURE GAUGE
COTG	- CLEANOUT TO GRADE	PH	- PHASE
CKV	- CHECK VALVE	PICV	- PRESSURE INDEPENDENT CONTROL VALVE
CW	- COLD WATER (DOMESTIC)	PIV	- POST INDICATOR VALVE
CWP	- COLD WATER PUMP	POC	- POINT OF CONNECTION
CWR	- COLD WATER RETURN	PRV	- PRESSURE REDUCING VALVE
CWS	- COLD WATER SUPPLY		
CW-NP	- NON POTABLE COLD WATER	QCV	- QUICK COUPLER VALVE
		QTY	- QUANTITY
(D)	- DROP		
D	- DRAIN	(R)	- RISE
DA	- DIRECT ACTING	RA	- REVERSE ACTING
DEMO	- DEMOLISH	RCP	- REINFORCED CONCRETE PIPE
DF	- DRINKING FOUNTAIN	RD	- ROOF DRAIN
		RSR	- RISER
(E)	- EXISTING	RV	- RELIEF VALVE
EG	- EXISTING GRADE	RWL	- RAIN WATER LEADER
ER	- ECCENTRIC REDUCER		
EWT	- ENTERING WATER TEMPERATURE	S	- SINK
		SD	- SOIL DROP, STORM DRAIN
FC	- FLEXIBLE CONNECTION	SH	- SHOWER
FCO	- FLOOR CLEANOUT	SOV	- SHUTOFF VALVE
FD	- FLOOR DRAIN	SP	- SUMP PUMP
FDC	- FIRE DEPARTMENT CONNECTION	SQFT	- SQUARE FEET
FG	- FINISH GRADE	SS	- SERVICE SINK, SANITARY SEWER
FI	- FLOW INDICATOR		
FLA	- FULL LOAD AMPERAGE	TAF	- TRAP ABOVE FLOOR
FS	- FLOOR SINK, FLOW SWITCH	TBF	- TRAP BELOW FLOOR
FSPR	- FIRE SPRINKLER	TCV	- TEMPERATURE CONTROL VALVE
FSR	- FIRE SPRINKLER RISER	TEMP	- TEMPERATURE
		TMV	- THERMOSTATIC MIXING VALVE
G	- NATURAL GAS	TW	- TEMPERED WATER (DOMESTIC)
GCO	- GRADE CLEANOUT	TWR	- TEMPERED WATER RETURN
GLV	- GLOBE VALVE	TYP	- TYPICAL
GPH	- GALLONS PER HOUR		
GPM	- GALLONS PER MINUTE	(UG)	- UNDER GROUND
GV	- GATE VALVE	UR	- URINAL
		(US)	- UNDER SLAB
HB	- HOSE BIBB		
HD	- HOPPER DRAIN	V	- VOLTS, VENT
HF	- HOSE FAUCET	VB	- VALVE BOX, VACUUM BREAKER
HGV	- HOSE GATE VALVE	VCP	- VITRIFIED CLAY PIPE
HPS	- HIGH PRESSURE STEAM	VR	- VENT RISER
HW	- HOT WATER (DOMESTIC)	VTR	- VENT THROUGH ROOF
HWP	- HOT WATER PUMP		
HWR	- HOT WATER RETURN	W	- WASTE
HWS	- HOT WATER SUPPLY	WC	- WATER CLOSET, WATER COLUMN
HZ	- HERTZ	WCO	- WALL CLEANOUT
HW-NP	- NON POTABLE HOT WATER	WD	- WASTE DROP
		WH	- WATER HEATER
IAW	- IN ACCORDANCE WITH	WHA	- WATER HAMMER ARRESTER
IE	- INVERT ELEVATION	WP	- WORKING PRESSURE
KW	- KILOWATT		

NOTE: THIS IS A SUPPLEMENTAL STANDARD PLUMBING LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

PLUMBING FIXTURE SCHEDULE

TAG	MANUFACTURER & MODEL (OR EQUAL)	MATERIAL / FINISH	DESCRIPTION	BRANCHING PIPING SIZE			
				SS	V	CW	HW
WC-1	KOHLER K-25077-0 KINGSTON	WHITE VITREOUS CHINA	ELONGATED TANK TYPE ADA WATER CLOSET, FULLY GLAZED TRAPWAY, 1.28 GPF, CHROME HANDLE, GRAVITY SIPHON JET, WATERSENSE CERTIFIED. PROVIDE WITH HANDLE ON ACCESSIBLE SIDE. KOHLER STRONGHOLD K-4731-SC-0 ELONGATED OPEN FRONT SEAT.	3"	2"	1"	---
UR-1	KOHLER K-20713-ET TEND	WHITE VITREOUS CHINA	COMPACT MODERN WASH DOWN URINAL; ADA COMPLIANT, INTEGRAL TRAP, LOW PROFILE DOME STRAINER, INCLUDE WALL FIXTURE HANGER. SLOAN **REGAL HARDWIRED**, SENSOR FLUSHOMETER 0.125 GPF FLUSH VALVE, POLISHED CHROME.	2"	2"	3/4"	---
LAV-1	KOHLER K-2032-NR GREENWICH	WHITE VITREOUS CHINA	LAVATORY: ADA-COMPLIANT WALL MOUNT SINK WITH THREE FAUCET HOLES, 7 3/4" DEEP, 18-1/4" FRONT TO BACK, 20-3/4" LEFT TO RIGHT, SEALED OVERFLOW AND SOAP DISPENSER DRILLING , JAY R SMITH 0700 CONCEALED ARM WALL CARRIER. HARDWARE: SLOAN SF-2300 HARDWIRED SENSOR FAUCET 0.5GPM, THREE HOLE, ADA-COMPLIANT, CHROME PLATE FINISH.	1-1/2"	1-1/2"	1/2"	1/2"
S-1	FLORESTONE MODEL 5	TERRAZZO	MOP SINK: FLOOR MOUNT, ROUNDED CORNERS, TAN AND MARBLE TERRAZZO, 10" TALL. INSIDE BOWL DIMENSIONS 24"×24". FAUCET: JUST JVB-1200 SERVICE SINK FAUCET WITH PAIL HOOK, 6" WRIST BLADES, AND WALL SUPPORT.	2"	2"	1/2"	1/2"
S-2	JUST DL-1933-A-GR	STAINLESS STEEL	SINK: SELF RIMMING DOUBLE BOWL, ROUNDED CORNERS, 18 GA. STAINLESS STEEL, COATED UNDERSIDE FOR INSULATING SOUND AND REDUCING CONDENSATION INSIDE BOWL DIMENSIONS 14"× 14"×7 1/2". REAR CENTER DRAIN LOCATION. HARDWARE: KOHLER K596 SINGLE LEVER FAUCET, CHROME PLATE FINISH, ADA-COMPLIANT MULTIFUNCTION PULL DOWN SPRAY HEAD, CERAMIC DISC VALVE, 1.5GPM.	1-1/2"	1-1/2"	1/2"	1/2"
S-3	JUST USN-1616-A	STAINLESS STEEL	SINK: UNDERMOUNT SINK, ROUNDED CORNERS, 18 GA.STAINLESS STEEL, COATED UNDERSIDE FOR INSULATING SOUND AND REDUCING CONDENSATION INSIDE BOWL DIMENSIONS 14"×14"×8". INTEGRATED DRAIN AND BASKET STRAINER. HARDWARE: KOHLER K15275-4 FAUCET, 0.5GPM AERATOR, CHROME PLATE FINISH, SWIVEL GOOSENECK WITH 4" REACH, 2-9/16" HANDLE ACTUATORS. SHIELDS: TRUEBRO LAV-GUARD MDL 101-E-2 P-TRAP, WATER SUPPLY LINES, STOP VALVES COVERS, ADA COMPLIANT, SOFT WHITE VINYL.				
DF-1	ELKAY MODEL: LZSTL8WSMP-PF	STAINLESS STEEL	DRINKING FOUNTAIN: WALL MOUNT, ADA COMPLIANT, VANDAL RESISTANT, BOTTOM PLATE, CHROME SAFETY BUBBLER HEAD, PUSHBAR ACTIVATION, HI LO, 115/1/60 5 FLA	1-1/4"	1-1/4"	1/2"	---
TP-1	WATTS LFTP300-DR	BRONZE	1/2" TRAP PRIMER, LEAD FREE. INCLUDE LFTP300-DU-DR WHERE MULTIPLE TRAPS ARE SERVED.	---	---	1/2"	---
TMV-1	POWERS LFG480	BRASS	1/2" Ø THERMOSTATIC MIXING VALVE. LEAD FREE, MINIMUM FLOW 0.25 GPM, 80-120°F ADJUSTMENT RANGE. CAPACITY SHALL BE 2 GPM @ 25 PSI OR GREATER.	---	---	1/2"	---
GI-1	JENSEN PRECAST MU-750-EE-G	CONCRETE	750 GALLON TANK GREASE SEPARATOR, CONCRETE, 24" CAST IRON FRAMES AND COVERS, THREE CLEANOUT PORTS, H20 TRAFFIC RATED COVERS. INCLUDE COLLARS AS REQUIRED FOR EXTENSION TO GRADE.	4"	2"	---	---
HB-1	WOODFORD MODEL 30	---	AUTOMATIC DRAINING WALL HYDRANT, ASSE 1053 APPROVED, METAL HANDLE, 6" WALL THICKNESS WITH INTEGRAL NON-REMOVABLE BACKFLOW PREVENTER, INCLUDE WALL BOX (MODEL MB30BX), PAINT DOOR AND FRAME TO MATCH BUILDING.	---	---	3/4"	---
WHA-1	WATTS LF15M2-DR	COPPER	LEAD-FREE PRE-CHARGED COPPER WATER HAMMER ARRESTOR WITH POLYPROPYLENE PISTON, EPDM O-RING SEAL, AND BRASS NPT-THREADED CONNECTION. SIZE PER PDI-WH201.	---	---	---	---
SH-1	PER ARCHITECTURAL DRAWINGS	---	SHOWER AND SUPPLY FITTINGS: PER ARCHITECTURAL DRAWINGS MAKE CONNECTION TO ALL PLUMBING CONNECTIONS. COORDINATE WITH MANUFACTURER FOR REQUIRED DRAIN, RECEIVER, AND CONNECTION METHOD TO WASTE PIPING.	2"	2"	1/2"	1/2"
BV-1	GRISWOLD 3801FL-0	---	AUTOMATIC FLOW-LIMITING VALVE, 3/4", WITH 1/2 GPM INSERT. VALVE SHALL BE LEAD-FREE AND HAVE A HEAD LOSS OF 5 FEET OR LESS.	---	---	---	---
WD-1	---	---	STACKED WASHER - DRYER: REFER TO ARCHITECTURAL PLANS	---	---	1/2"	
OB-1	OATEY 38979	WHITE	METAL WASHING MACHINE OUTLET BOX, 36" AFF, WASTE PIPE RECEIVER, HOT AND COLD WATER HOSE BIBBS, WATER HAMMER ARRESTOR.	2"	1-1/2"	1/2"	
FD-1	WATTS FD-290-PR	CAST IRON	EPOXY COATED CAST IRON AREA DRAIN WITH WEEPHOLES, 5-1/4" IN. ROUND FIXED TOP WITH HEEL PROOF NICKEL BRONZE GRATE, NO HUB OUTLET, AND TRAP PRIMER CONNECTION.	2"	1-1/2"	---	

PLUMBING EQUIPMENT/APPLIANCE SCHEDULE

TAG	MANUFACTURER & MODEL (OR EQUAL)	DESCRIPTION	ELECTRICAL V-PH-HZ	FLA	OPERATING WEIGHT (LBS)
WH-1	RHEEM HPLD80	HYBRID HEAT PUMP ELECTRIC WATER HEATER, 80 GALLON TANK, 27 GPH RECOVERY AT 90° TEMPERATURE RISE , LISTED APPLIANCE WITH CALIFORNIA ENERGY COMMISSION OR DEPARTMENT OF ENERGY. TEMPERATURE CONFIGURABLE FROM FRONT OF PANEL.	208-1-60	21	947
ET-1	WESSELS T-5	EXPANSION TANK: URETHANED CARBON STEEL, FDA APPROVED BUTYL DIAPHRAGM, NPT STAINLESS STEEL CONNECTION, CHARGING VALVE, RATED TO 150PSI. INCLUDE WALL MOUNTING HARDWARE. 2.1 GAL TANK VOLUME, 1.3 GAL ACCEPTANCE VOLUME.	---	---	16
HWP-1	TACO 006E3LC PUMP SPE-1 SMART PLUS PLUG	HOT-WATER RECIRCULATION PUMP WITH ECM MOTOR, LEAD-FREE WETTED PARTS AND NPT CONNECTIONS, MAX HEAD 13FT, SCHEDULING LEARNING CONTROLLER.	120-1-60	0.54	

PIPE MATERIAL SCHEDULE

DESCRIPTION	MATERIAL
DOMESTIC WATER (ABOVE GROUND)	COPPER, TYPE L, CROSS-LINKED POLYETHYLENE
DOMESTIC WATER (BELOW GROUND)	COPPER, TYPE K
VENT	PVC, SCHEDULE 40 SOLID WALL, COPPER DWV
WASTE	CAST IRON DWV
CONDENSATE	PVC, SCHEDULE 40 SOLID WALL, COPPER DWV
GAS PIPE (ABOVE GROUND)	BLACK STEEL, SCHEDULE 40 - DEGREASE AND PAINT
GAS PIPE (BELOW GROUND)	POLYETHYLENE, SDR 11

NOTES: REFER TO PROJECT SPECIFICATIONS FOR STANDARDS, REQUIREMENTS, INSTALLATION, AND FITTINGS OF PIPING SYSTEMS.

GENERAL NOTES

#	NOTE
1.	ALL WORK IS NEW UNLESS NOTED AS EXISTING ON DRAWING.
2.	PRODUCTS, PROCEDURES, AND INSTALLATION SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA REQUIREMENTS, APPLICABLE STATE LAWS, LOCAL LAWS, CODES AND ORDINANCES. THE CONTRACTOR SHALL ADHERE TO THE SPECIFIC PRODUCT AND INSTALLATION REQUIREMENTS OF THE UTILITY COMPANIES AND MANUFACTURER'S PROVIDING MATERIALS TO THE JOB. CONFLICTS, IF ANY, WILL BE RESOLVED AT THE DISCRETION OF THE EOR (ENGINEER OF RECORD).
3.	CONTRACTOR SHALL COORDINATE WITH HVAC CONTRACTOR TO DETERMINE RESPONSIBLE PARTY FOR INSTALLATION OF CONDENSATE AND REFRIGERANT PIPING.
4.	CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO STARTING WORK.
5.	PLUMBING PIPING IS GENERAL IN LOCATION. CONTRACTOR TO COMPLY WITH CODE WHEN INSTALLING.
6.	PLUMBING PIPING ROUTED EXPOSED SHALL BE TIGHT TO WALLS AND CEILINGS AND SECURED TO CHANNEL STRUT WITH CLAMPS.
7.	ALL DOMESTIC WATER, GAS PIPING, VENT, AND CONDENSATE PIPING SHALL BE ROUTED ABOVE CEILING AND BETWEEN FLOORS UNLESS NOTED OTHERWISE. DROP/ RISE TO FIXTURES WITHIN WALLS.
8.	REFER TO CIVIL PLANS FOR PIPE BEDDING, FINAL ROUTING, AND COORDINATION WITH OTHER UTILITIES.
9.	UNLESS NOTED OTHERWISE, DOMESTIC WATER PIPING AND EXPOSED CONDENSATE SHALL BE COPPER, WASTE PIPING AND EXPOSED VENT PIPING SHALL BE CAST IRON, CONCEALED CONDENSATE AND VENT PIPING SHALL BE SOLID WALL SCHEDULE 40 PVC.
10.	PENETRATION THROUGH FLOOR JOISTS SHALL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL EOR. PIPING SHALL BE ROUTED WITHIN FURRED WALLS, PARALLEL TO FLOOR JOISTS OR EXPOSED WHERE SPECIFIED ON PLANS.
11.	PLUMBING PIPING WITHIN FLOOR JOISTS SHALL BE SUPPORTED FROM JOIST.
12.	ALL WATER PIPING DROPS TO FIXTURES SHALL BE ROUTED CONCEALED IN WALLS OR WITHIN WALLS EXCEPT AT WATER HEATER CONNECTIONS. PIPING IN EXTERIOR WALLS SHALL BE ROUTED ON INTERIOR SIDE OF INSULATION.
13.	WASTE PIPING LOCATION IS APPROXIMATED FROM LOCATION OF SEWER PIPING LEAVING BUILDING DOCUMENTATION. CONTRACTOR SHALL VERIFY SEWER LOCATION BEFORE BEGINNING CONSTRUCTION.
14.	WASTE PIPING SHALL MAINTAIN 2% MINIMUM SLOPE, UNLESS OTHERWISE SPECIFIED.
15.	ALL VENTS LOCATED UNDERGROUND SHALL BE TREATED AS WASTE PIPING IN MATERIAL AND SLOPE.
16.	VENT PIPING BELOW GRADE OR BELOW THE HIGHEST FLOOD RIM OF CONNECTED FIXTURES SHALL SLOPE BACK TO DRAINS AND SHALL NOT COMBINE UNTIL A MINIMUM 6" ABOVE FLOOR RIM OF HIGHEST FIXTURE. THIS VENT PIPE SHALL BE CONSTRUCTED WITH DRAIN PIPE FITTING.
17.	BRANCH CONDENSATE PIPING SHALL BE 3/4" DIA, UNLESS NOTED OTHERWISE. PIPING SERVING MULTIPLE FAN COILS SHALL BE SIZED AT 1-1/2" DIA.
18.	CONDENSATE PIPING SHALL MAINTAIN 1% MINIMUM SLOPE.
19.	CONNECT CONDENSATE IN ACCORDANCE WITH EQUIPMENT MANUFACTURER INSTALLATION INSTRUCTIONS.
20.	PROVIDE CLEANOUT ON CONDENSATE PIPE AT EACH 90° TURN.
21.	INSTALL CONDENSATE LINE VENTS AS HIGH AS POSSIBLE AT THE EXTREME END OF RUNS, SUCH THAT IT EXCEEDS MAXIMUM CONDENSATE LIFT ALLOWED BY THE NEAREST FAN COIL UNIT. TERMINATE VENT WITH DOWNTURN ELBOW AND PROTECT OPENING WITH BUG SCREEN.
22.	AVOID ROUTING CONDENSATE PIPING ABOVE SERVER/ NETWORK ROOMS WHEN POSSIBLE.
23.	ALL EXPOSED PIPE AT FIXTURES AND FITTINGS SHALL BE CHROME PLATE DWV BRASS.
24.	CONTRACTOR SHALL SIZE WATER HAMMER ARRESTORS IN ACCORDANCE WITH STANDARD PDI WH201 AND FINAL PIPE LAYOUT. WATER HAMMER ARRESTORS SHALL BE INSTALLED ABOVE ACCESSIBLE CEILINGS. WHERE NOT PROVIDED, INSTALL BEHIND STAINLESS STEEL ACCESS PANELS IN WALLS OR CEILINGS.
25.	CONDENSATE PIPING SHALL DISCHARGE TO SINK TAL PIECES, INDIRECTLY TO MOP SINK OR TO THE EXTERIOR MAX 20" ABOVE GRADE.
26.	INSTALL CLEANOUTS AT ALL SINKS, URINALS, AND TOILETS, WHETHER SHOWN ON PLANS OR NOT.

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ENGINEER'S STAMP

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
23001 CA HWY 96 WEITCHPEC CA 95546

SET ISSUE DATES

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50% C.D.	30.MAR.2026
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REVISIONS

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P1.1

PLUMBING SCHEDULES & LEGENDS

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GENERAL NOTES

#	NOTE
1.	INSTALL BV-1 BALANCE VALVES AT ALL JUNCTIONS WHERE HOT-WATER RE-CIRCULATION BRANCHES REJOIN.
2.	INSTALL ANGLE STOPS OR FULL-PORT BALL VALVES UPSTREAM OF ALL FIXTURES AND APPLIANCES WHICH ARE CONNECTED TO THE DOMESTIC WATER SYSTEM.
3.	WATER PIPE SHALL NOT BE ROUTED OVER ELECTRICAL SWITCHGEAR.
4.	WATER PIPING IS ROUTED WITHIN THE CEILING OF THE 1ST AND 2ND FLOOR. FIRST FLOOR PIPING DROPS TO FIXTURES. 2ND FLOOR PIPING DROPS TO FIXTURES BELOW, AND RISES TO FIXTURES ON 3RD FLOOR.

Intermittent Flows (Fixture Unit Calculations)

FIXTURE TYPE	#	WASTE DFUs		COLD WATER WSFUs		HOT WATER WSFUs		TOTAL WATER WSFUs
		Indiv.	Total	Indiv.	Total	Indiv.	Total	
Clothes Washer, domestic	1	2	2	1	1	1	1	1.2
Drinking Fountain or Watercooler (private/public)	1	0.5	0.5	0.5	0.5			0.5
Floor Drain (2" trap)	5	2	10					
Hose bibb (cold water only)	1	0	0	2.5	4.5			4.5
Lavatory	7	1	7	0.75	5.25	0.75	5.25	7
Sink: Kitchen, domestic	2	2	4	1.125	2.25	1.125	2.25	3
Sink: Service or Mop Basin (Private Use)	1	3	3	1.125	1.125	1.125	1.125	1.5
Shower, per shower	2	2	4	1.5	3	1.5	3	4
Urinal: 1.0 GPF Flushometer Valve (Private Use)	1	2	2	3	3			3
Water Closet: 1.6 GPF Gravity Tank (Private Use)	7	3	21	2.5	17.5			17.5
TOTAL FU			**60.5**		**46.1**		**20.6**	**53.0**

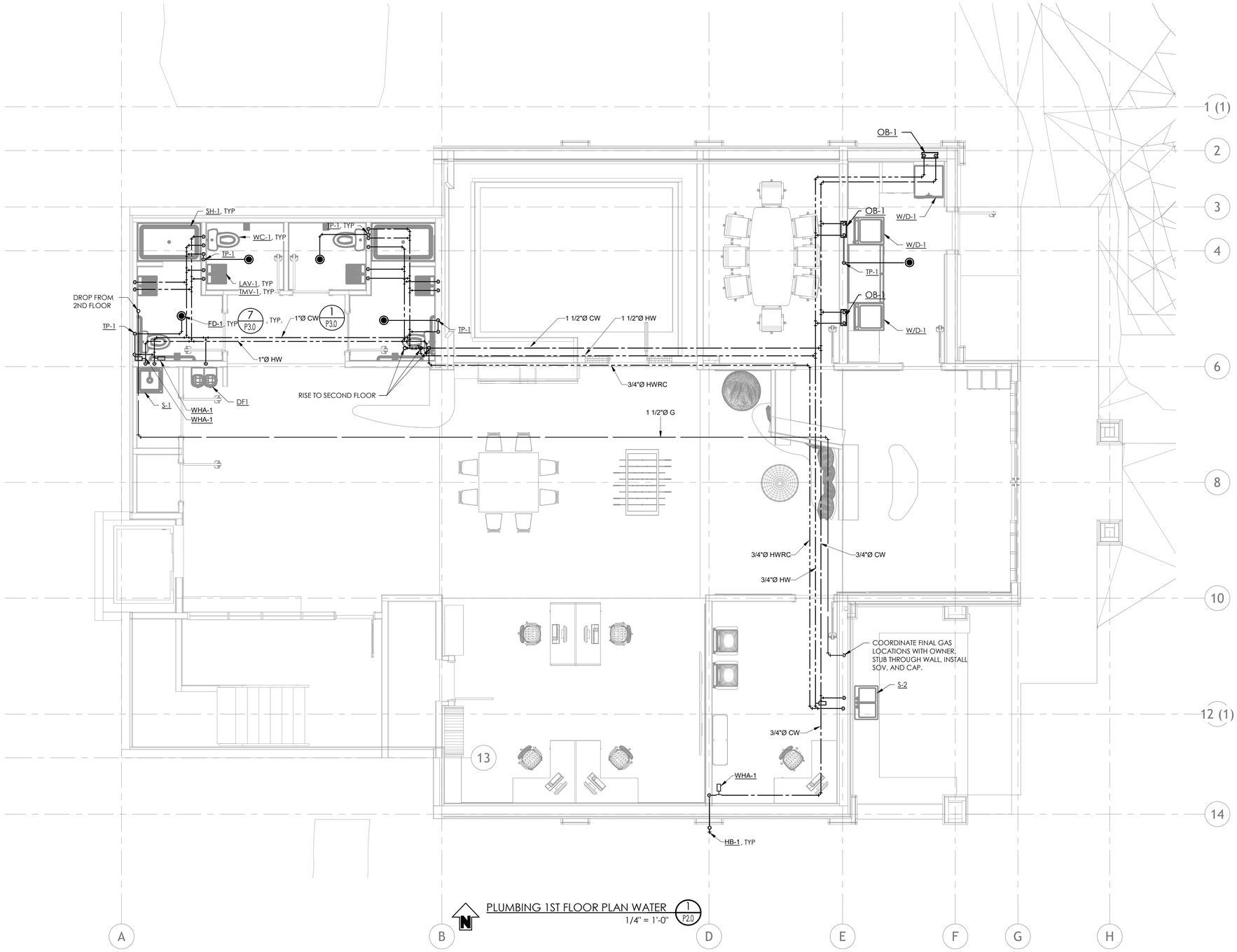
Building Service Calculations

Equivalent Cold Water Flowrate					36 GPM	
Equivalent Hot Water Flowrate					16 GPM	
Flushometer Sizing? (1 = YES)					0 0.067	3
Pressure Available at Main					46 PSI	
Pressure Booster Pump					0 PSI	-5.33759
Minimum Required Fixture Pressure					20 PSI	
Elevation Rise					30 FT	
Est. meter loss (CHECK MFR IF AVAILABLE)	Badger Recordall		1.5	0	0.676 PSI	3.392234
Backflow Preventer Loss					0 PSI	
Additional Losses					0 PSI	
Equivalent Pipe Length From Meter to Most Remote Fixture					150 FT	
Kind of Service Pipe					Copper (Type L)	
Emergency Shower Info	°F	140	60	80	0.333 <- Constants for calc	
Friction Loss Pressure Available					6.338 PSI	
Maximum Allowable Friction Loss					4.225 PSI/100FT	
Cold Water Flow Velocity				Max:	8 5.411 FPS	
Calculated Friction Head Loss					3.147 PSI/100FT	
Minimum Required Cold Water Pipe Size					1.5 inches	
Minimum Required Hot Water Pipe Size					1.25 inches	
Minimum Required Waste Pipe Size					4 inches	
Minimum Service Size (by flow velocity)					1.25 inches	
Max GPM of Service			31.34 GPM		1.1 Factor	

WATER PIPE SIZING CHART

Pipe Sizes Calculated based on the Hazen-Williams Equation or the CPC fog log plots, depending on pipe chosen.

Pipe Information		Flow Limits by max FPS			Flow Limits by calc'd loss/100'	Final Capacity				Pipe Capacity in WSFUs		
Nominal Diameter	Flow Diameter (in)	CW GPM	HW GPM	GPM	Converge. FPS	CW GPM	CW FPS	HW GPM	HW FPS	Flush Tank (CW)	Flush Valve (CW)	HW
0.5	0.545	5.8	3.6	2.4	3.3	2.4	3.3	2.4	3.3	1	0	1
0.75	0.785	12.1	7.5	6.3	4.2	6.3	4.2	6.3	4.2	8	0	8
1	1.025	20.6	12.9	12.8	5.0	12.8	5.0	12.8	5.0	18	0	18
1.25	1.265	31.3	19.6	22.2	5.7	22.2	5.7	19.6	5.0	36	6	30
1.5	1.505	44.4	27.7	35.8	6.3	35.0	6.3	27.7	5.0	60	21	49
2	1.985	77.2	48.2	77.5	7.5	77.5	7.5	48.2	5.0	241	120	123
2.5	2.465	119.0	74.4	128.1	8.6	119.0	8.0	74.4	5.0	474	358	250
3	2.945	169.9	106.2	204.4	9.6	169.9	8.0	106.2	5.0	768	700	416
4	3.905	298.6	186.6	420.0	11.5	298.6	8.0	186.6	5.0	1746	1746	854
5	4.875	465.4	290.9	768.4	13.2	465.4	8.0	290.9	5.0	3300	3300	1677
6	5.845	660.1	413.2	1237.8	14.8	660.1	8.0	413.2	5.0	5110	5110	2852



PLUMBING 1ST FLOOR PLAN WATER (1 / P2.0)
1/4" = 1'-0"

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PACE ENGINEERING

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PLUMBING 1ST FLOOR PLAN WATER

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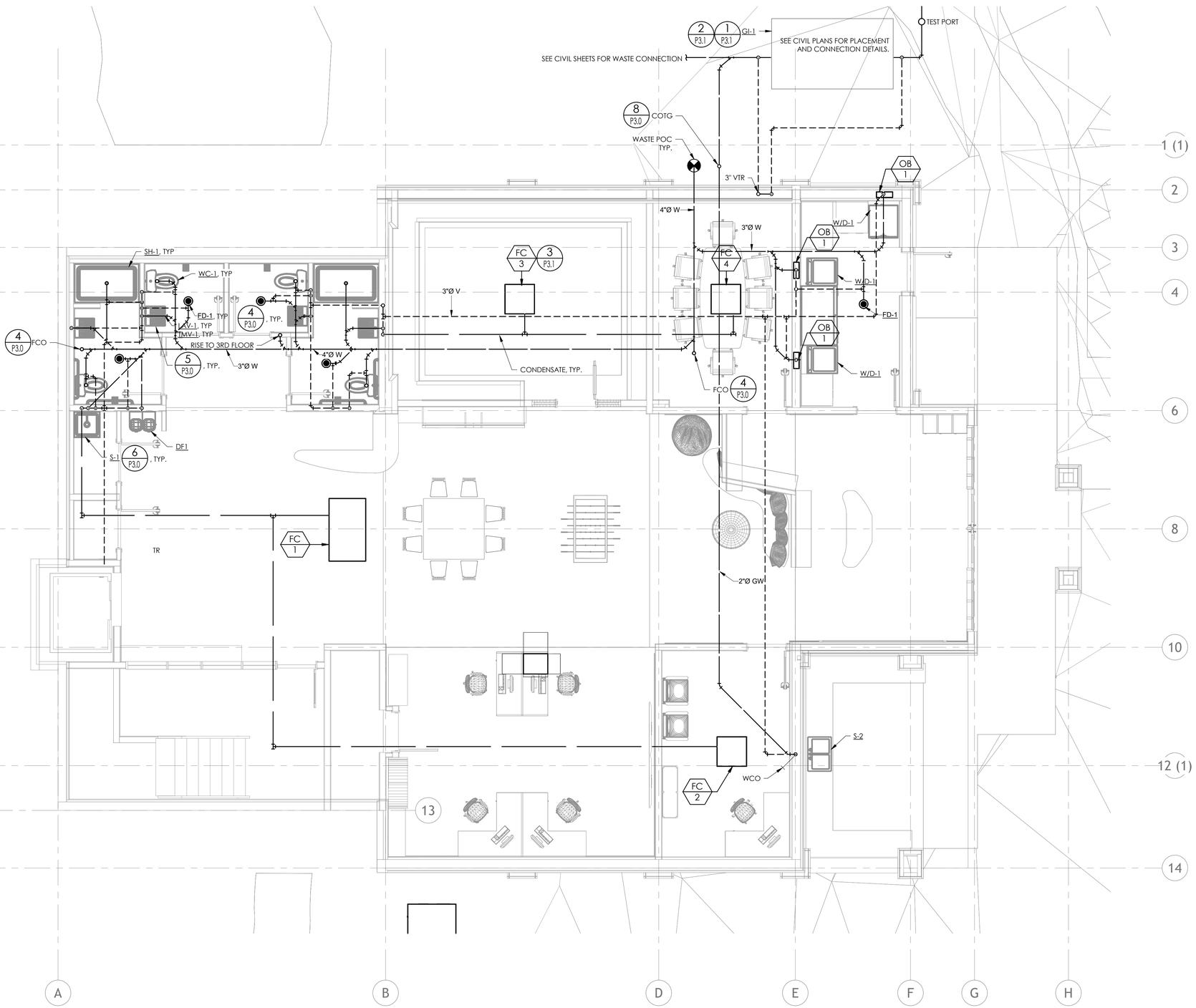
GENERAL NOTES

#	NOTE
1.	WASTE PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE, AND TAKE PRESCIENCE OVER DUCTWORK.
2.	COORDINATE MECHANICAL AND PLUMBING TRADES TO AVOID ROUTING CONFLICTS.
3.	HVAC EQUIPMENT SHALL TAKE PRESCIENCE OVER PIPING IN THE MEZZANINE. CONTRACTOR SHALL COORDINATE PIPING IN MEZZANINE WITH INSTALLATION OF MECHANICAL EQUIPMENT.
4.	ALL ROOF VENTS SHALL TERMINATE MIN 1' FROM NEAREST VERTICAL SURFACE AND MIN 1' ABOVE THE ROOF SURFACE.
5.	VENT PIPING SHALL BE SIZED PER 2025 CALIFORNIA PLUMBING CODE.



PLUMBING 1ST FLOOR PLAN WASTE
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PLUMBING 1ST FLOOR PLAN WASTE

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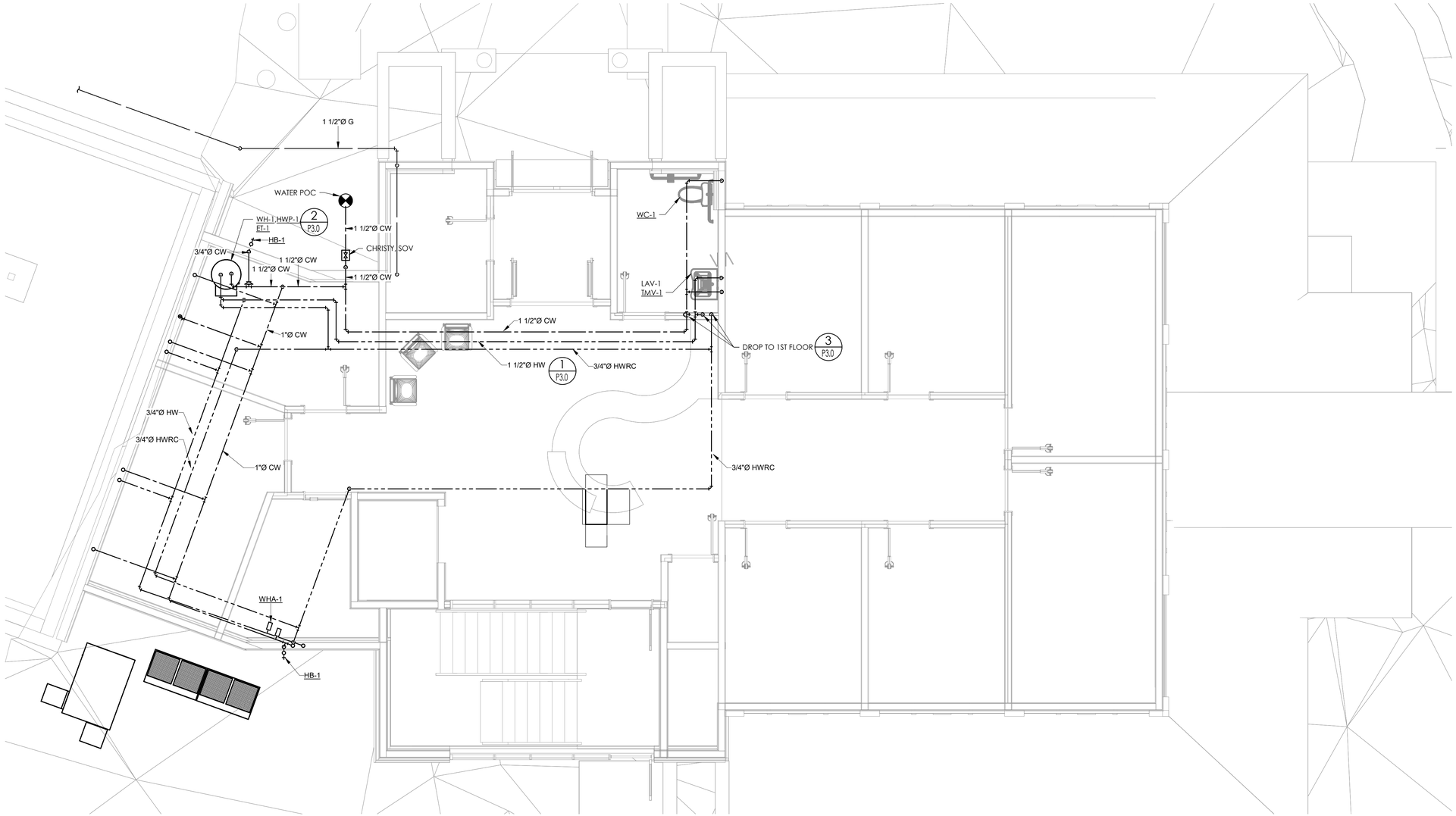

PLUMBING 2ND FLOOR PLAN WATER 1 P2.2
1/4" = 1'-0"

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P2.2

PLUMBING 2ND FLOOR PLAN WATER

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N

PLUMBING 2ND FLOOR PLAN WASTE 1 P2.3

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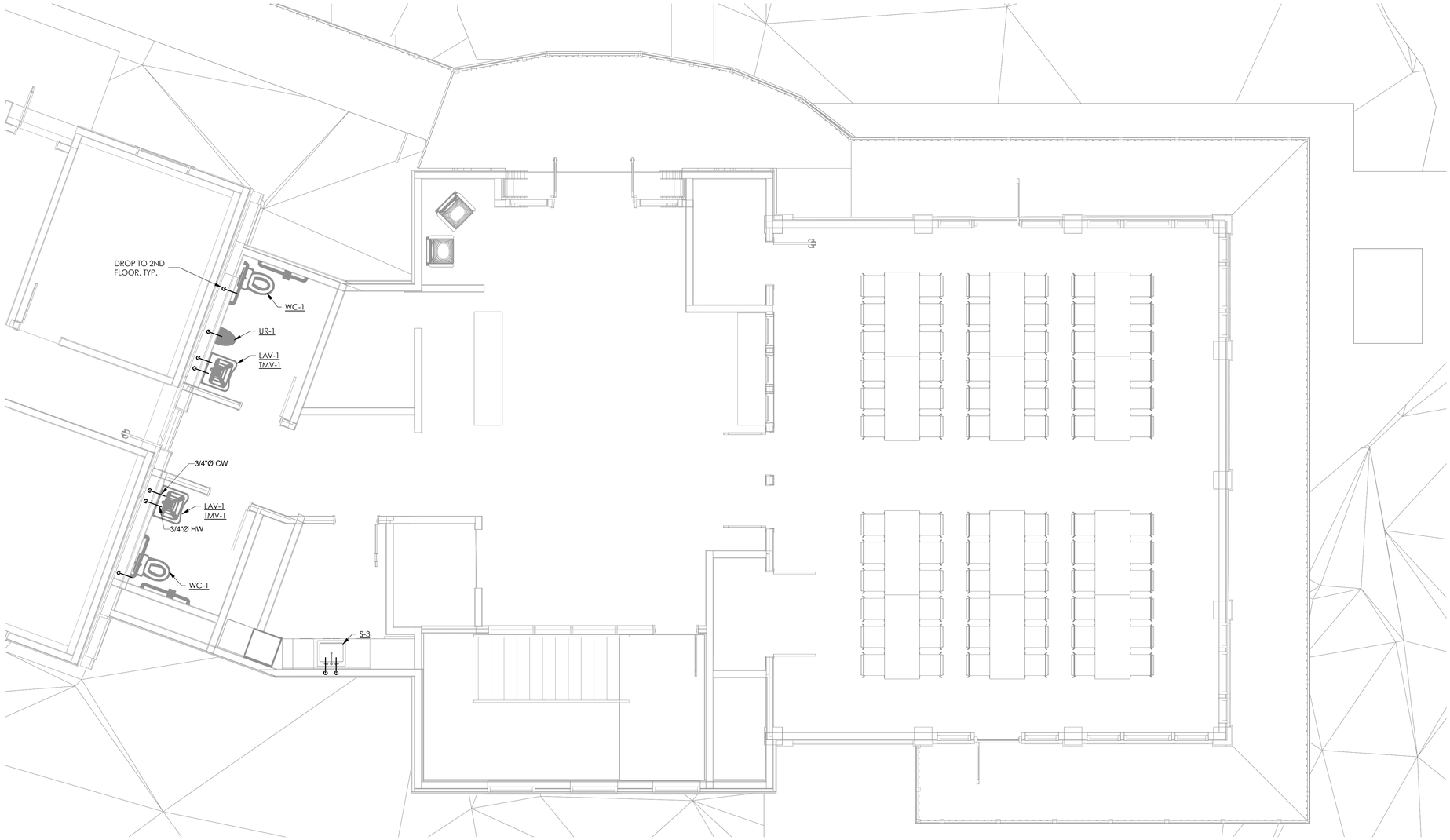

PLUMBING 3RD FLOOR PLAN WATER
1/4" = 1'-0"
1 / P2.4

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P2.4

PLUMBING 3RD FLOOR PLAN WATER

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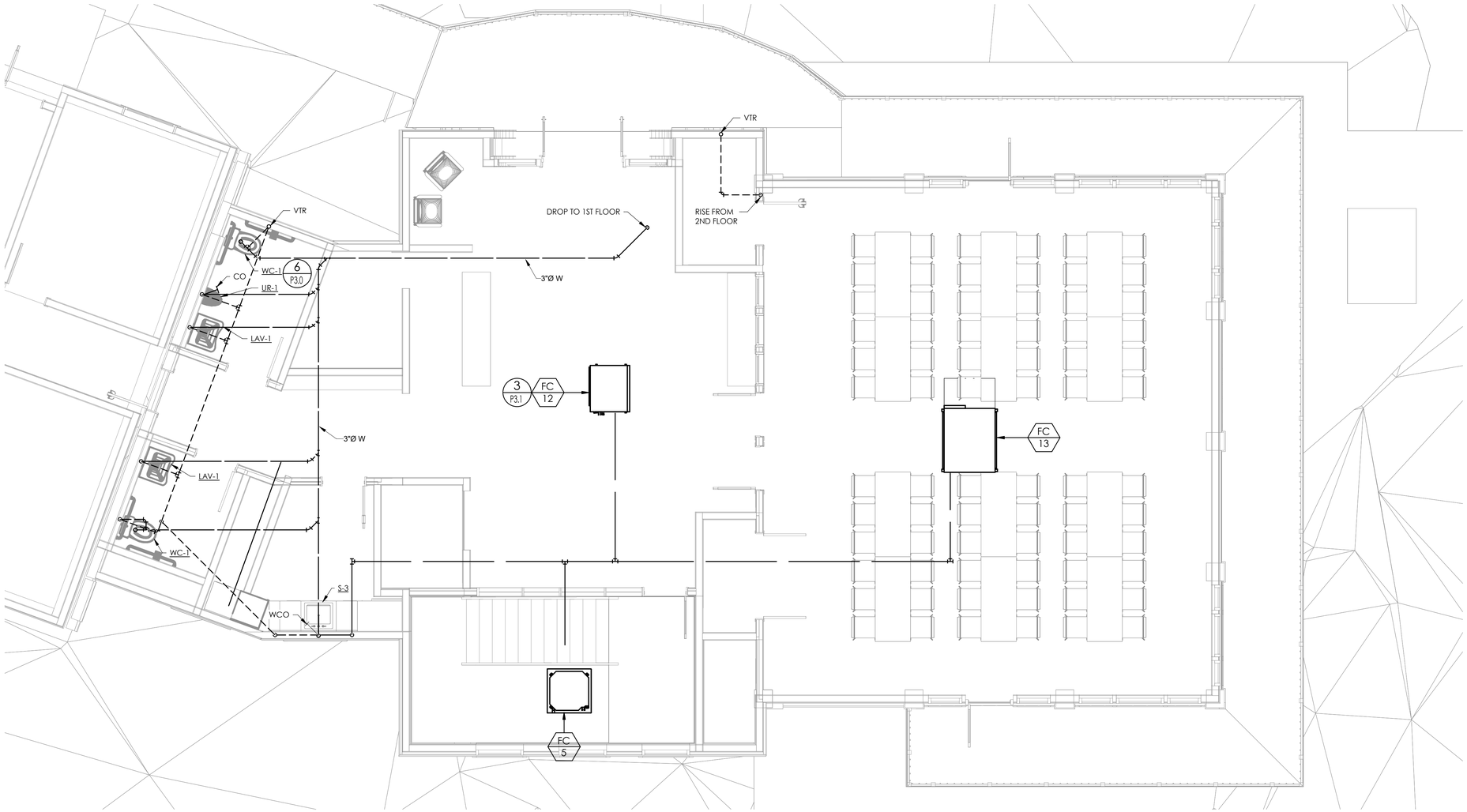

PLUMBING 3RD FLOOR PLAN WASTE 1/4" = 1'-0" (1 / P2.5)

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P2.5

PLUMBING 3RD FLOOR PLAN WASTE

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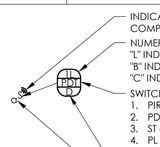
ELECTRICAL SYMBOLS

LINE TYPES AND SYMBOLS		CONDUIT EXPOSED			
		CONDUIT CONCEALED or BURIED			
		INDICATES FIRE RATED WALL			
		CONDUIT UP			
		CONDUIT DOWN			
	LA-2	HOME RUN-DESTINATION SHOWN			
TICK MARKS		TICK MARKS W/BARS INDICATES NUMBER OF #10 CONDUCTORS WITH #10 GROUND			
		TICK MARKS WITHOUT BARS INDICATES NUMBER OF #12 CONDUCTORS WITH #12 GROUND			
		"L" INDICATES 0-10V DIMMING CABLE, "5E" INDICATES CAT5E CABLE, "CL" INDICATES 0-10V DIMMING AND COLOR TUNING CABLE.			
DEVICES, BOXES AND TERMINATIONS		PLUGLOAD RELAY			
		JUNCTION BOX			
		PORCELAIN LAMP HOLDER WITH PULL CHAIN AND INTEGRAL RECEPTACLE (HVAC LIGHT/PLUG ONLY)			
		CONNECTION POINT (CONTRACTOR SHALL DETERMINE CONNECTION CONFIGURATION)			
		LOW VOLTAGE DEVICE BOX			DEVICE BOXES SHALL BE 4" SQUARE UNLESS OTHERWISE NOTED
		DUPLEX RECEPTACLE			
		QUADRUPLEX RECEPTACLE			
		CONTROLLED SPLIT DUPLEX RECEPTACLE			
		QUADRUPLEX RECEPTACLE: (1) CONTROLLED SPLIT DUPLEX RECEPTACLE, (1) DUPLEX RECEPTACLE			
		SINGLE OR THREE PHASE RECEPTACLE, SEE PLAN SHEETS TYPE PER LOCATION			
	FB	FLOOR BOX			
		HAND HOLE			
		PULLBOX			
EQUIPMENT		FUSED DISCONNECT	XXA/XXF XX	60AS/20F WP	60A DISCONNECT, 20A FUSE NEMA 3R
		NON-FUSED DISCONNECT	XX XX	60A 60A WP	60A DISCONNECT NEMA 3R
		MAJOR ELECTRICAL COMPONENT OR DEVICE NAME OR IDENTIFYING SYMBOL AS SHOWN			
		SURFACE MOUNT PANELBOARD			
		FLUSH MOUNT PANELBOARD			
		EXOTHERMIC WELD, TERMINATION OR SPLICE POINT			
		GROUND ROD			
		GROUNDING ELECTRODE			
		CIRCUIT BREAKER	XXA XXAF XP	60A 100AF 3P	60A TRIP, 100A FRAME, 3 POLES
		CURRENT TRANSFORMER, NUMBER INDICATED			
ANNOTATION	(#)	KEYNOTE			
	(A : B)	INDICATES INTERCONNECTION OF PATHWAYS AND/OR CONDUCTORS, E.G., 4"C-4#500,1#3G (MSB : PNL A) INDICATES CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD TO PANELBOARD A.			

NOTE: THIS IS A SUPPLEMENTAL STANDARD ELECTRICAL LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS. SEE LIGHTING CONTROL SHEET FOR LIGHTING LEGEND.

LIGHTING SYMBOLS

LIGHTING DEVICES	S	LIGHT SWITCH (46" AFF COD UNLESS OTHERWISE NOTED)		
		CEILING DAYLIT SENSOR		POWER SUPPLY
		CEILING PDT MOTION		REMOTE ACCESS BRIDGE
		CEILING PIR MOTION		INPUT CONTROL MODULE
		0-10V DIMMING RELAY (CLASS 1)		OUTPUT CONTROL MODULE
		LIGHTING RELAY		TIME SWITCH
		PHASE DIMMING RELAY		LIGHTING CONTROL PANEL
LUMINAIRES		SEE LIGHTING PLAN FOR SYMBOL TYPE MARKS ASSOCIATED WITH EACH LUMINAIRE SYMBOL. TYPE MARKS ASSOCIATED WITH LUMINAIRE SYMBOLS ON PLANS ARE LINKED TO THE LUMINAIRE SCHEDULE. SEE LUMINAIRE SCHEDULE FOR LUMINAIRE DESCRIPTION INFORMATION. HATCH AND/OR "E" FOLLOWING A LIGHT TYPE NUMERAL (E.G., "TYPE A" BECOMES TYPE "AE") INDICATES A LUMINAIRE WITH INTEGRAL BATTERY BACKUP.		
		EXIT SIGN: SEE LUMINAIRE SCHEDULE FOR TYPE "EXIT" DESCRIPTION AND INFORMATION.		
		EMERGENCY EGRESS LIGHT, SEE LUMINAIRE SCHEDULE FOR "EM" DESCRIPTION AND INFORMATION.		
LIGHTING SYMBOL ATTRIBUTES				

- INDICATES WIRELESS CONTROL. ALL OTHER CONTROLS IN THIS SPACE SHALL BE COMPATIBLE WITH THE SWITCH SHOWN UNLESS OTHERWISE NOTED ON PLANS.
- NUMERAL INDICATES CHANNELS OR WAYS.
  "L" INDICATES LINE VOLTAGE REQUIRED AT THE SWITCH
  "B" INDICATES THE SWITCH IS BATTERY POWERED
  "C" INDICATES THE SWITCH IS INTERTIED USING LOW VOLTAGE CABLE (TYP. CAT5E)
- SWITCH TYPE:
  1. PIR - PASSIVE INFRARED
  2. PDT- DUAL TECHNOLOGY (INFRA-RED WITH ULTRASONIC OR MICROPHONIC TECHNOLOGY)
  3. ST - STANDARD TOGGLE
  4. PL - TOGGLE WITH PILOT LIGHT
  5. KEY - KEYED SWITCH
- INDICATES DIMMING * (SEE LUMINAIRE SCHEDULE FOR DIM TYPE)
- WHEN SUBSCRIPT "a," "b" (ETC.), IS PRESENT WITH THE LIGHT SWITCH SYMBOL, THE SUBSCRIPT INDICATES SWITCHING OF SEPARATE GROUPS WITHIN THE SAME SPACE, OR WILL BE EMPLOYED ON PLANS WHEN CLARIFICATION MAY BE REQUIRED.

* NOTE:
1. ABSENCE OF PROPERTIES SHALL BE INDICATED AS AN "-" WITHIN THE LIGHT SWITCH TAG
2. COORDINATE SWITCH OPERATION WITH REQUIREMENTS LISTED IN THE LIGHT SWITCH TAG AND THE LIGHTING MATRIX. SWITCH DIMMING SHALL BE COMPATIBLE WITH LUMINAIRE ASSOCIATED WITH THE SWITCH (SEE "DIM TYPE" IN LUMINAIRE SCHEDULE)

NOTE:
1. THIS IS A SUPPLEMENTAL STANDARD ELECTRICAL LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS. SEE LIGHTING CONTROL SHEET FOR LIGHTING LEGEND.
2. DEVICE BOXES ARE MEASURED TO CENTER OF DEVICE ON PLANS UNLESS OTHERWISE NOTED.

LUMINAIRE SCHEDULE

#	MANUFACTURER	MODEL	LOAD	VOLTAGE	LAMP	DIM TYPE	LUMENS	COLOR TEMP	DESCRIPTION	MOUNTING TYPE & HEIGHT
A	LITHONIA LIGHTING	LDN6	23 VA	MVOLT	LED	0-10V	2000 lm	3500 K	6" LED RECESS DOWNLIGHT, GALVANIZED STEEL FRAME, CONCEALED LED MODULE, MATTE DIFFUSE TRIM FINISH, CLEAR TRIM COLOR, WHITE PAINTED FLANGE. DIMMING DRIVER RATED L70/60,000 HRS.	CEILING
AE	LITHONIA LIGHTING	LDN6	23 VA	MVOLT	LED	0-10V	2000 lm	3500 K	TYPE A WITH TITLE 20 COMPLIANT EMERGENCY BATTERY BACKUP.	CEILING
B	JUNO	WF8 ALO + SWW5 MVOLT	22 VA	MVOLT	LED	0-10V	1950 lm	3500 K	6" LED RECESS DOWNLIGHT, POLYCARBONATE INJECTION MOLDED OUTER FRAME WITH STEEL BACKPLATE, POLYCARBONATE LENS, 90 CRI, DIMMING DRIVER RATED L70/50,000 HRS, MATTE WHITE FINISH, PROVIDE AND INSTALL ALL REQUIRED ACCESSORIES FOR A COMPLETE AND PROFESSIONAL INSTALLATION WITHIN THE ACOUSTICAL CANOPY TILES.	CEILING
C	LITHONIA LIGHTING	CPANL	22 VA	MVOLT	LED	0-10V	2400 lm	3500 K	1'X4' LED, SURFACE MOUNT, ALUMINUM FRAME WITH WHITE SATIN LENS, DIMMING DRIVER/LED RATED FOR L70/60,000 HRS. PROVIDE AND INSTALL DCMK DIRECT CEILING MOUNT KIT FOR ALL SURFACE MOUNT APPLICATIONS.	CEILING
CE	LITHONIA LIGHTING	CPANL	22 VA	MVOLT	LED	0-10V	2400 lm	3500 K	TYPE C WITH TITLE 20 COMPLIANT EMERGENCY BATTERY BACKUP.	CEILING
D	LITHONIA LIGHTING	CPANL	41 VA	MVOLT	LED	0-10V	4400 lm	3500 K	2'X2' LED, SURFACE MOUNT, ALUMINUM FRAME WITH WHITE SATIN LENS, DIMMING DRIVER/LED RATED FOR L70/60,000 HRS. PROVIDE AND INSTALL DCMK DIRECT CEILING MOUNT KIT FOR ALL SURFACE MOUNT APPLICATIONS.	CEILING
E	LITHONIA LIGHTING	FMVCCLS	18 VA	MVOLT	LED	N/A	1800 lm	3500 K	CYLINDER VANITY, ACRYLIC DIFFUSER, MATTE BLACK FINISH, 90 CRI.	7'-6", OR 8" ABOVE MIRROR
EM	LITHONIA LIGHTING	ELM2L M12	1 VA	120V	LED	N/A	220 lm	4000 K	EMERGENCY WALL LUMINAIRE, THERMOPLASTIC WHITE HOUSING, TWO HEADS, CALIFORNIA TITLE 20 COMPLIANT, 90 MINUTE MINIMUM RUN TIME.	7'-6" AFF
EXIT	LITHONIA LIGHTING	ECBG LED	2 VA	120V	LED	N/A			EXIT LIGHT, SINGLE FACE, GREEN PANEL, WHITE ABS THERMOPLASTIC HOUSING, INTEGRATED LED LIGHT BAR, UNIVERSAL MOUNTING, POP-OUT DIRECTIONAL CHEVRONS, SEALED MAINTENANCE-FREE NICAD BATTERY, GREEN LED AC INDICATOR, UL LISTED, SOLID-STATE CHARGER.	7'-6" AFF
F	LITHONIA LIGHTING	BLWP	17 VA	MVOLT	LED	0-10V	1942 lm	3500 K	1X2 LED, SURFACE MOUNT, WRAPAROUND PRISMATIC ACRYLIC LENS, WHITE POLYESTER POWDER COAT, CURVED, SMOOTH LENS/DIFFUSER W/ TRIM RINGS, 90 CRI, DIMMING DRIVER/LED RATED FOR L80/60,000 HRS.	CEILING
G	PEERLESS	CERRA7 LED	104 VA	120V	LED	0-10V	9304 lm	3500 K	8' LED, SUSPENDED MOUNT WITH LENGTH AS SHOWN, PERFORATED COLD ROLLED STEEL HOUSING, LLP LINEAR LONGEST POSSIBLE, 13W PER FOOT, i1300LMF LED OUTPUT, INDIRECT 97% UPLIGHTING, DIMMING DRIVER/LED RATED FOR L80/60,000 HRS.	8'-6" AFF
H	LITHONIA LIGHTING	LDN4CYL	23 VA	MVOLT	LED	0-10V	2000 lm	3500 K	4" CYLINDER OUTDOOR PENDANT, DARK BRONZE HEAVY GAUGE ALUMINUM HOUSING, DOWNLIGHT APERTURE, MATTE DIFFUSE FINISH, L70/50,000 HRS, EMERGENCY BATTERY BACKUP WHERE SHOWN ON PLANS.	6'-6" AFF
J	LUMINIS	LN601B INLINE	23 VA	MVOLT	LED	0-10V	2143 lm	3000 K	39" BOLLARD, CAST ALUMINUM WITH ACRYLIC OPTICS,55° WIDE FLOOD OPTICS, ALLOY SEALANT WITH BRONZE POLYESTER POWDER COAT FINISH, CERTIFIED FOR USE IN WET LOCATIONS. LED RATED FOR L70/60,000 HRS.	INGROUND
K	WAC	ENDURANCE WL-LED100	4 VA	120V	LED	ELV	65 lm	3000 K	3"X5" OUTDOOR RATED STEP LIGHT, IP67 RATED FOR WET CONDITIONS, DIRECT DRIVER, FITS INTO 2"X4" J-BOX, BRONZE ON BRASS FINISH, 54,000 HOUR RATED LED.	RECESSED STEP
L	LITHONIA LIGHTING	DSX0	34 VA	MVOLT	LED	0-10V MOTION SENSOR	4791 lm	3000 K	LED EXTERIOR POLE MOUNT, DIE-CAST ALUMINUM HOUSING, DARK BRONZE CORROSION RESISTANT FINISH, UL LISTED WET LOCATIONS, LED DRIVER RATED L70/100,000 HRS, TYPE T3M DISTRIBUTION, BUG RATING: B1/U0/G2. PROVIDE AND INSTALL EGSR EXTERNAL GLARE SHIELD AS REQUIRED.	POLE
L-POLE	LITHONIA LIGHTING	20'-0" POLE PER MFR.							STRAIGHT SQUARE STEEL, 20 FT. TALL, BRONZE ANODIZED FINISH, 4.5 EPA-FT² @ 100MPH WIND VELOCITY MINIMUM RATING, 0.125-INCH WALL THICKNESS MINIMUM.	POLE FOUNDATION
M	LITHONIA LIGHTING	ARC1	11 VA	MVOLT	LED	N/A	1500 lm	3000 K	LED WALL PACK, EXTERIOR BUILDING MOUNT, DIE-CAST ALUMINUM HOUSING, SILICONE GASKETING, RECESSED LENS, UV RESISTANT DARK BRONZE FINISH, INTEGRAL PHOTOCELL WITH MOTION SENSOR/DIMMING, WIDE DISTRIBUTION, UL LISTED WET LOCATIONS, BUG RATING: B1/U0/G2.	7'-0" AFF
ME	LITHONIA LIGHTING	ARC1	11 VA	MVOLT	LED	N/A	1500 lm	3000 K	TYPE F WITH TITLE 20 COMPLIANT EMERGENCY BATTERY BACKUP.	7'-0" AFF
N	SUPERLIGHTINGLED	FCOB-24V-840RGBW	4 VA	24V	LED	DMX/RGBW CONTROLLER	400 lm	3500 K	12MM WIDE RGBW COLOR CHANGING LED COB LIGHT STRIP, RECESS MOUNT, PROVIDE AND INSTALL RGBW WB5 CONTROLLER, 24V 100W MW POWER SUPPLY, AND AC PLUG IN KIT AND ANY OTHER ACCESSORIES FOR A COMPLETE AND PROFESSIONAL INSTALLATION INCLUDING ALU-3D-2015 TRIMLESS RECESSED FREE-FORM BENDING SMALL FLEXIBLE ALUMINUM LED CHANNEL FOR RECESSED INSTALLATION. COORDINATE FINAL LOCATION OF WALL MOUNT RGBW PANEL CONTROLLER WITH OWNER.	CEILING

ELECTRICAL ABBREVIATIONS

A	- AMMETER, AMPERE
AC	- ALTERNATING CURRENT
AFF	- ABOVE FINISHED FLOOR OR GRADE
AIC	- AMPS INTERRUPTING CAPACITY
ATS	- AUTOMATIC TRANSFER SWITCH
BCT	- BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BGES	- BUILDING GROUND ELECTRODE SYSTEM
BRKR	- BREAKER
BOD	- BOTTOM OF DEVICE
C or COND	- CONDUIT
CEC	- CALIFORNIA ELECTRIC CODE
CKT	- CIRCUIT
COD	- CENTER OF DEVICE
CR	- CONTROLLED RECEPTACLE
CT	- CURRENT TRANSFORMER
DC	- DIRECT CURRENT
(E) or EXIST	- EXISTING
EEOR	- ELECTRICAL ENGINEER OF RECORD
EGC	- EQUIPMENT GROUNDING CONDUCTOR
ENC	- ENCLOSURE
(F)	- FUTURE
FACP	- FIRE ALARM CONTROL PANEL
FACU	- FIRE ALARM CONTROL UNIT
FSD	- FIRE SMOKE DAMPER
G	- EQUIPMENT GROUNDING CONDUCTOR
GEC	- GROUNDING ELECTRODE CONDUCTOR
GFCI	- GROUND FAULT CIRCUIT INTERRUPT
GND	- GROUND
J	- JUNCTION BOX
LCP	- LIGHTING CONTROL PANEL
LTG	- LIGHTING
MBJ	- MAIN BONDING JUMPER
MCB	- MAIN CIRCUIT BREAKER
MFR	- MANUFACTURER
MLO	- MAIN LUG ONLY
MOCP	- MAXIMUM OVERCURRENT PROTECTION
MSB	- MAIN SWITCH BOARD
NEC	- NATIONAL ELECTRIC CODE
NEMA	- NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
N	- NEUTRAL
(N)	- NEW
OFCI	- OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED, OWNER INSTALLED
PB	- PULLBOX
PNL	- PANELBOARD
RCPT	- RECEPTACLE
RM	- ROOM
SBJ	- SYSTEM BONDING JUMPER
SSBJ	- SUPPLY SIDE BONDING JUMPER
TBB	- TELECOMMUNICATIONS BONDING
TGB	- TELECOMMUNICATIONS GROUND BUS
TMGB	- TELECOMMUNICATIONS MAIN GROUND BUS
TOD	- TOP OF DEVICE
TR	- TAMPER
TYP	- TYPICAL
V	- VOLTMETER, VOLT
W	- WATT
WP	- WEATHERPROOF (NEMA 3R)
XFMR	- TRANSFORMER

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

LIGHTING CONTROL MATRIX

ABBREVIATIONS:
C = CODE REQUIRED
E = EXEMPT
P = OWNER REQUIRED, CODE EXEMPT

	ROOM #	ROOM NAME	CEC REQUIREMENTS: AREA CONTROLS - CEC 130.1(a)(1)	A	MULTILEVEL CONTROL CEC 130.1(b)	OCCUPANT SENSOR CEC 130.1(c)	PARTIAL ON OCCUPANT SENSOR CEC 130.1(c)	VACANCY SENSOR CEC 130.1(c)	TIME CLOCK - SHUT OFF CONTROLS CEC...	AUTOMATIC DAYLIGHTING CEC 130.1(d)	DEMAND RESPONSE CEC 130.1(e)	CIRCUIT CONTROLS 130.5(d)	TIME SWITCH & SENSOR SHUT OFF NOTES: SCHEDULE TIME ON/OFF 130.1(c)(4)	SCHEDULED UNOCCUPIED PERIOD 130.2(c)(2)	MOTION SENSOR TIME OUT PERIOD (MINUTES)
				>	B	C	D	E	F	G	H	–	J	K	
1	101	LOBBY	C	C	C			E	C	E	E	C	-	-	20
2	102	LAUNDRY	C	E			C	E	E	E	E		-	-	20
3	103	PRIVATE MEETING	C	C	C			E	E	E	E		-	-	20
4	104	CULTURAL COVE	C	C	C			E	E	E	E		-	-	20
5	105-108	TOILET / ACCESSIBLE TOILET	C	E			C	E	E	E	E		-	-	20
6	109	FOYER	C	C	C			E	E	E	E		-	-	20
7	110	JANITOR	C	E			C	E	E	E	E		-	-	20
8	111	STORAGE	C	E			C	E	E	E	E		-	-	20
9	112	POD SEATING	C	C	C			E	E	E	E		-	-	20
10	113	STORAGE	C	E			C	E	E	E	E		-	-	20
11	114	LIBRARY / RESOURCE	C	C	C			E	E	E	E		-	-	20
12	115	GROUP ACTIVITY	C	C	C			E	E	E	E		-	-	20
13	116	GROUP SEATING	C	C	C			E	E	E	E		-	-	20
14	117	TELE HEALTH	C	C	C			E	E	E	E	C	-	-	20
15	201	VESTIBULE	C	C	C			E	E	E	E		-	-	20
16	202	ELECTRICAL	C	E	E		E	E	E	E	E		-	-	20
17	203	STORAGE	C	E			C	E	E	E	E		-	-	20
18	204	SERVER ROOM	C	E			C	E	E	E	E		-	-	20
19	205	WORKROOM	C	C			C	E	E	E	E	C	-	-	20
20	206	LOBBY	C	C	C			E	E	E	E	C	-	-	20
21	207	TOILET	C	E			C	E	E	E	E		-	-	20
22	208-213	OFFICE	C	C	C			C	E	E	E	C	-	-	20
23	214	STORAGE	C	E			C	E	E	E	E		-	-	20
24	215	GALLERY	C	C	C			E	E	E	E		-	-	20
25	301	HEAD SPACE	C	C	C			E	C	E	E		-	-	20
26	302	STORAGE	C	E			C	E	E	E	E		-	-	20
27	303	COMMUNITY ROOM	C	C	C			E	C	E	E		-	-	20
28	304	STORAGE	C	E			C	E	E	E	E		-	-	20
29	305	PANTRY	C	E			C	E	E	E	E		-	-	20
30	306	MEN	C	E			C	E	E	E	E		-	-	20
31	307	HALL	C	C		C		E	E	E	E		-	-	20
32	308	WOMEN	C	E			C	E	E	E	E		-	-	20
33	309	MEETING ALCOVE	C	C	C			E	E	E	E		-	-	20
34	310	PARENT ROOM	C	C	C			E	E	E	E		-	-	20
35	312	HALL	C	C		C		E	E	E	E		-	-	20
36	-	STAIRS	C	C		C		E	E	E	E		-	-	20

COMPLY WITH APPLICABLE CODES

#	CODE
1.	2019 NFPA 72: FIRE ALARM AND SIGNALING CODE.
2.	2019 NFPA 110: EMERGENCY AND STANDBY POWER.
3.	2019 NFPA 111: STANDBY POWER SYSTEMS.
4.	2022 CALIFORNIA BUILDING CODE.
5.	2022 CALIFORNIA ELECTRIC CODE.
6.	2022 CALIFORNIA ENERGY CODE.
7.	2022 CALIFORNIA FIRE CODE.

ELECTRICAL SPECIFICATION SCHEDULE

26 05 19	- LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
26 05 26	- GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
26 05 29	- HANGERS AND SUPPORTS
26 05 33	- RACEWAYS AND BOXES
26 05 36	- CABLE TRAYS
26 05 44	- SLEEVES AND SLEEVE SEALS FOR RACEWAYS AND CABLING
26 05 53	- IDENTIFICATION FOR ELECTRICAL SYSTEMS
26 05 60	- PENETRATION FIRESTOPPING
26 09 23	- LIGHTING CONTROL DEVICES
26 22 00	- LOW-VOLTAGE TRANSFORMERS
26 24 13	- SWITCHBOARDS
26 24 16	- PANELBOARDS
26 27 26	- WIRING DEVICES
26 28 16	- ENCLOSED SWITCHES AND CIRCUIT BREAKERS
26 43 13	- SURGE PROTECTION FOR LOW-VOLTAGE ELECTRICAL CIRCUITS
26 51 00	- INTERIOR LIGHTING
26 56 00	- EXTERIOR LIGHTING

NOTE: REFER TO THE PROJECT MANUAL WHICH CONTAINS THE SPECIFICATION SECTIONS LISTED ABOVE. CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL REQUIREMENTS WITHIN THE PLANS AND SPECIFICATIONS.

LIGHTING CONTROL NOTES

#	NOTE
1.	BASIS OF LIGHTING CONTROL DESIGN IS nLIGHT/SENSORSWITCH, WATTSTOPPER OR EQUAL. CONTRACTOR SHALL VERIFY ALL REQUIRED COMPONENTS, INTERFACES, AND DEVICES ARE PROVIDED AND INSTALLED TO FURNISH A COMPLETE LIGHTING CONTROL SYSTEM AS DESIGNED AND DESCRIBED.
2.	CONTRACTOR SHALL PROGRAM THE SYSTEM AS SHOWN AND DESCRIBED. THE CONTRACTOR MAY SUBCONTRACT COMMISSIONING, PROGRAMMING AND OWNER TRAINING TO AN AUTHORIZED FACTORY TECHNICIAN OR REGISTERED PROFESSIONAL ENGINEER.
3.	INTERCONNECTION AND LOW VOLTAGE POWER TO LIGHTING DEVICES SHALL BE PER MANUFACTURER'S RECOMMENDATION. INSTALLATION SHALL BE IN COMPLIANCE WITH THE CEC AND IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS. LOW VOLTAGE CONNECTIONS ARE NOT SHOWN ON PLANS.
4.	THE MANUFACTURER SHALL PROVIDE SUBMITTALS DESCRIBING LOCATIONS AND ADDITIONS OF ANY PERIPHERAL COMPONENTS NOT SHOWN ON PLANS. THESE COMPONENTS SHALL BE A PART OF THE BID AND SUBMITTAL PROCESS.
5.	THE LIGHTING CONTROL MATRIX (THIS SHEET) PROVIDES THE CONTROL FUNCTION OF EACH SPACE. PROGRAM THE SYSTEM IN ACCORDANCE WITH THE LIGHTING CONTROL MATRIX. THE CONTRACTOR SHALL RFI ANY CONDITION WHERE THE MATRIX VIOLATES CODE. WHERE IN CONFLICT, THE CODE SHALL BE FOLLOWED.
6.	INDOOR LIGHTING WITH INTEGRAL OCCUPANCY AND DAYLIT SENSORS: MULTIPLE LIGHTING IN EACH AREA SHALL TRACK MOTION TOGETHER. IF ONE LUMINAIRE TRACKS MOTION, ALL THE LUMINAIRES SHALL REMAIN ON IN THE RELATIVE SPACE. DAYLIT SENSORS THROUGHOUT THE INTERIOR OF THE BUILDING SHALL BE SET TO REFLECT AN ACTUAL 50FC MINIMUM AT 36"AFF.
7.	CEILING OR WALL MOUNTED MOTION SENSORS: A. MOTION SENSORS SHALL BE PLACED 4'-0" AWAY FROM ANY MECHANICAL GRILLE OR DIFFUSER. B. FOR SPACES WITH CEILING HEIGHTS OF 10'-0" OR LESS: a. SPECIFY SMALL MOTION DETECTION (MOTION SENSORS WITH 12'-0" RADIUS COVERAGE). C. FOR SPACES WITH CEILING HEIGHTS WITHIN 10'-0" TO 15'-0": a. SPECIFY HIGH MOUNT MOTION DETECTION (MOTION SENSORS WITH 20'-0" RADIUS COVERAGE).

LUMINAIRE NOTES

#	NOTE
1.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO SELECT, PROVIDE AND INSTALL ACCESSORIES NECESSARY TO RENDER A COMPLETE, PROFESSIONAL AND CODE COMPLIANT INSTALLATION OF ALL LUMINAIRES ASSOCIATED WITH THE PROJECT. THIS INCLUDES DRYWALL CEILING INSTALLATION KITS, TENMASTS FOR RATED APPLICATIONS, WHIPS, CABLING OR ANY OTHER ITEMS REQUIRED FOR EACH LUMINAIRE'S SPECIFIC INSTALLATION LOCATION. SEE ARCHITECTURAL SHEETS FOR FURTHER INSTALLATION REQUIREMENTS.
2.	ALL LUMINAIRES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS AND AS DETAILED IN DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT ARISES, RFI THE EEOR.

LIGHTING CONTROL MATRIX

ABBREVIATIONS:
C = CODE REQUIRED
E = EXEMPT
P = OWNER REQUIRED, CODE EXEMPT

	ROOM...	ROOM NAME	CEC REQUIREMENTS: DAYLIGHT AVAILABILITY - CEC 130.2(c)(1)	A	AUTOMATIC SCHEDULING - CEC 130.2(c)(2)	MOTION SENSING - CEC 130.2(c)(3)	TIME SWITCH & SENSOR SHUT OFF NOTES: SCHEDULE TIME ON	SCHEDULE TIME OFF	MOTION SENSOR TIME OUT PERIOD (MINUTES)
				A	B	C	D	E	F
1	N/A	OUTDOOR KITCHEN		C	C	E	6AM	10...	N/A
2	N/A	EXTERIOR BUILDING		C	C	E	6AM	10...	N/A
3	N/A	SITE LIGHTING		C	C	E	6AM	10...	N/A

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ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN DEBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
MARK R. VAN DEBERG
No. E-22440
RENEWAL 08-31-2027
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: 75% CD

SHEET NO.

E001

ELECTRICAL SCHEDULES

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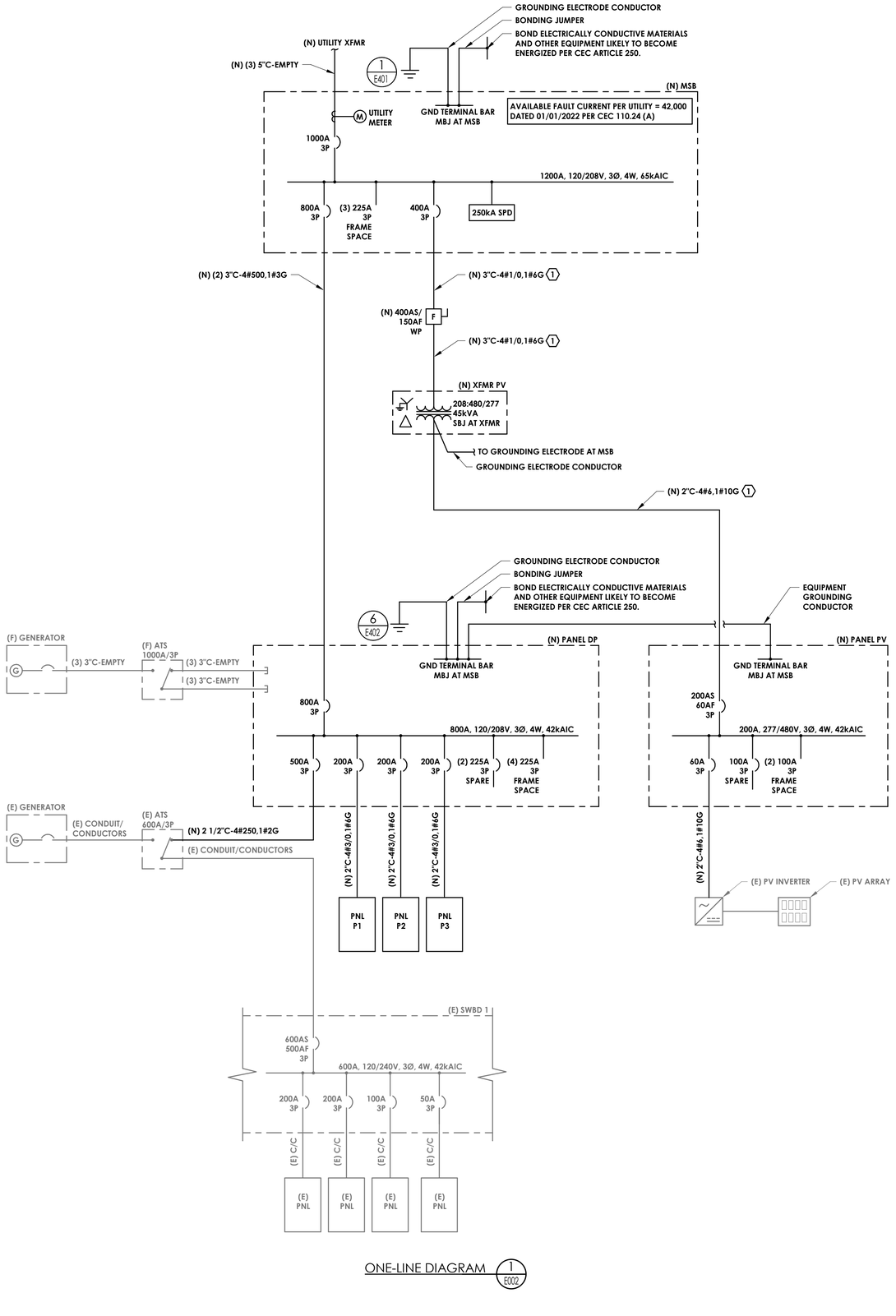

ONE-LINE DIAGRAM 1 E002

KEYNOTES

#	NOTE
	1. CONDUIT INFRASTRUCTURE IS OVERSIZED TO ACCOMMODATE LARGER CONDUCTORS IN THE FUTURE.
	2. DISCONNECT AND REMOVE EXISTING UTILITY CONDUCTORS, CONDUIT, AND METER. PROVIDE AND INSTALL NEW CONDUIT AND FEEDER CONDUCTORS AS SHOWN AND TERMINATE TO EXISTING SWITCHBOARD BEFORE AUTOMATIC TRANSFER SWITCH TAP.
	3. DISCONNECT AND REMOVE EXISTING PHOTOVOLTAIC TRANSFORMER AND ASSOCIATED DISCONNECT, CONDUIT, AND CONDUCTORS. PROVIDE AND INSTALL NEW CONDUIT AND CONDUCTORS AS SHOWN AND TERMINATE TO EXISTING PHOTOVOLTAIC INVERTER.
	4. MODIFY EXISTING GENERATOR VOLTAGE AS REQUIRED TO MATCH NEW UTILITY SERVICE. EXISTING AUTOMATIC TRANSFER SWITCH IS TO REMAIN AND BE REUSED. RELABEL ALL EQUIPMENT AS REQUIRED TO REFLECT VOLTAGE CHANGES. COORDINATE WITH EXISTING BUILDING EQUIPMENT TO ENSURE ALL CIRCUITS REMAIN CORRECTLY RATED FOR THE EQUIPMENT BEING SERVED. AUTOMATIC TRANSFER SWITCH SHALL BE RELISTED BEFORE SUBSTANTIAL COMPLETION OF THE PROJECT.
	5. PROVIDE AND INSTALL IN ACCORDANCE WITH PG&E REQUIREMENTS.

GENERAL NOTES

#	NOTE
	1. PROVIDE AND INSTALL SIGNAGE ON THE INSIDE OF THE MSB, INDICATING WHERE STANDBY GENERATION IS INSTALLED FOR EXISTING SWITCHBOARD 1, PER CBC 702.7. THE LABELS SHALL BE PROVIDE AND INSTALL IN COMPLIANCE WITH CEC 110.21(B).

COMMERCIAL LOAD CALCULATIONS

CONTINUOUS LOADS								
GENERAL LIGHTING - TABLE 220.12, 220.42, 210.20(a)	8,395	SF	*	1.3	VA/SF	=	10,914	VA
EXTERIOR LIGHTING - TABLE 220.12, 220.42	22	QTY	*	23	VA	=	506	VA
EXTERIOR LIGHTING - TABLE 220.12, 220.42	34	QTY	*	4	VA	=	136	VA
EXTERIOR LIGHTING - TABLE 220.12, 220.42	2	QTY	*	34	VA	=	68	VA
EXTERIOR LIGHTING - TABLE 220.12, 220.42	7	QTY	*	11	VA	=	77	VA
CONTINUOUS DUTY - 220.14(i), 210.20(a), 220.16(k)	10	QTY	*	180	VA	=	1,800	VA
SPECIAL LOADS - 220.14(a), 220.56, 422.10(a)						=	2,400	VA
CONTINUOUS LOADS TOTAL - NEC 210.20(A) (125% DEMAND FACTOR)							17,147	VA
NON-CONTINUOUS LOADS								
NON-CONTINUOUS DUTY - 220.14(i), 220.16(k) (50% DEMAND FACTOR OVER 10kVA)	110	QTY	*	180	VA	=	14,900	VA
SPECIAL LOADS - 220.14(a), 220.56, 422.10(a)						=	71,395	VA
MECHANICAL LOADS - 220.50, 220.51, 440.6(a)						=	39,039	VA
MOTOR LOADS - 430.6(a), 430.22(a)						=	11,529	VA
LARGEST MOTOR LOADS - 220.18(a)	25,910	VA	*	25%		=	6,478	VA
NON-CONTINUOUS LOADS TOTAL							143,340	VA
EXISTING LOADS								
EXISTING MAXIMUM DEMAND - 220.87	45,120	VA	*	125%		=	56,400	VA
ELECTRICAL SERVICE - 3Ø	216,887	VA	/	208	V	=	**602**	**A**

CONTINUOUS SPECIAL LOADS

LOAD	VAC	A	Ø	QTY	TOTAL VA
IT RACK	120	20	1	1	2,400
				TOTAL LOAD	2,400

NON-CONTINUOUS SPECIAL LOADS

LOAD	VAC	A	Ø	QTY	TOTAL VA
WASHER	120	10	1	3	3,600
DRYER	208	22	1	3	13,800
REFRIGERATOR	120	10	1	1	1,200
MICROWAVE	120	10	1	1	1,200
FUTURE EVCS	208	32	1	4	26,624
FUTURE ACTIVITY AREA	120	16	1	2	3,840
ELECTRIC HAND DRYERS	120	8	1	7	6,720
ELEVATOR	208	40	3	1	14,411
				TOTAL LOAD	71,395

MECHANICAL & PLUMBING LOADS

LOAD	VAC	A	Ø	QTY	TOTAL VA
HP-1	208	63.3	3	1	22,798
FC-1	208	2.9	1	1	599
FC-2/FC-8/FC-9/FC-10/FC-11/FC-14/FC-15	208	0.2	1	7	349
FC-3	208	0.3	1	1	67
FC-4/FC-7	208	0.5	1	2	200
FC-5	208	0.8	1	1	166
FC-6/FC-12	208	2.4	1	2	998
FC-13	208	5.2	1	1	1,082
BSB-1/BSB-2	208	1.5	1	2	632
ERV-1	208	6.2	3	1	2,219
ERV-2	208	13.8	3	1	4,957
WH-1	208	21.0	1	1	4,376
DRINKING FOUNTAIN	120	5.0	1	1	595
				TOTAL LOAD	39,039

MOTOR LOADS

LOAD	VAC	A	Ø	QTY	TOTAL VA
SEPTIC PUMPS	208	8	3	4	11,529
				TOTAL LOAD	11,529

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ARCHITECT'S STAMP

LICENSED ARCHITECT CLARK R. VAN DEBERG RENEWAL DATE STATE OF CALIFORNIA
BID SET

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER KRISTIN MITCHELL PRELIMINARY NOT FOR CONSTRUCTION OR PERMIT PURPOSES STATE OF CALIFORNIA
PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: **23-APRIL-2026**
ISSUE: I75% CD

SHEET NO.

E002

ONE-LINE DIAGRAM

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PANELBOARD P1

LOCATION	JANITOR 110	VOLTS	120/208 WYE	AIC RATING	10,000
MOUNTING TYPE	SURFACE	WIRES	4	BUS RATING	200 A
ENCLOSURE TYPE	NEMA 1	CIRCUITS	60	MAIN BREAKER	200 A

(LABEL PANELBOARDS ACCORDING TO NAMING CONVENTIONS LISTED IN ELECTRICAL SPECIFICATIONS)

CKT	HOME RUN	LOAD NAME	TRIP	INT TYPE	A	B	C	A	B	C	INT TYPE	TRIP	LOAD NAME	HOME RUN	CKT
1	1/2"C-2#12,1#12G	LOBBY 101 RCPT	20 A	--	720 VA			360 VA			--	20 A	LIBRARY/RESOURCE 114 RCPT	1/2"C-2#12,1#12G	2
3	1/2"C-2#12,1#12G	LOBBY 101 RCPT	20 A	--		360 VA			720 VA		--	20 A	LIBRARY/RESOURCE 114 TV RCPT	1/2"C-2#12,1#12G	4
5	1/2"C-2#12,1#12G	LAUNDRY 102 GFCI RCPT	20 A	--			180 VA			360 VA	--	20 A	GROUP ACTIVITY 115 RCPT	1/2"C-2#12,1#12G	6
7	1/2"C-2#12,1#12G	LAUNDRY 102 WASHER RCPT	20 A	--	1200 VA			720 VA			--	20 A	GROUP SEATING 116 RCPT	1/2"C-2#12,1#12G	8
9	1/2"C-2#12,1#12G	LAUNDRY 102 WASHER RCPT	20 A	--		1200 VA			900 VA		--	20 A	TELEHEALTH 117 RCPT	1/2"C-2#12,1#12G	10
11	1/2"C-2#12,1#12G	LAUNDRY 102 WASHER RCPT	20 A	--			1200 VA			180 VA	--	20 A	TELEHEALTH 117 TV RCPT	1/2"C-2#12,1#12G	12
13	3/4"C-2#10,1#10G	LAUNDRY 102 DRYER RCPT	30 A	--	2300 VA			180 VA			--	20 A	OUTDOOR KITCHEN 118 GFCI RCPT	1/2"C-2#12,1#12G	14
15						2300 VA			180 VA		--	20 A	OUTDOOR MAINT. GFCI RCPT	1/2"C-2#12,1#12G	16
17	3/4"C-2#10,1#10G	LAUNDRY 102 DRYER RCPT	30 A	--			2300 VA			740 VA					18
19					2300 VA			740 VA			--	15 A	ERV-1	1/2"C-3#12,1#12G	20
21	3/4"C-2#10,1#10G	LAUNDRY 102 DRYER RCPT	30 A	--		2300 VA			740 VA						22
23							2300 VA			566 VA					24
25	1/2"C-2#12,1#12G	PRIVATE MTG. 103 RCPT	20 A	--	720 VA			566 VA			--	15 A	BSB-1/FC-1/FC-2/FC-3/FC-4	1/2"C-2#12,1#12G	26
27	1/2"C-2#12,1#12G	PRIVATE MTG. 103 TV RCPT	20 A	--		180 VA			1500 VA		GFCI	20 A	PULLCHAIN LIGHT/RCPT	1/2"C-2#12,1#12G	28
29	1/2"C-2#12,1#12G	PRIVATE MTG. 103 FLOOR RCPT	20 A	--			360 VA			1000 VA	GFCI	20 A	PULLCHAIN LIGHT/RCPT	1/2"C-2#12,1#12G	30
31	1/2"C-2#12,1#12G	CULTURAL COVE 104 RCPT	20 A	--	720 VA			4804 VA							32
33	1/2"C-2#12,1#12G	CULTURAL COVE 104 RCPT	20 A	--		360 VA			4804 VA		--	50 A	ELEVATOR ***	3/4"C-3#8,1#10G	34
35	1/2"C-2#12,1#12G	TOILET 105/106 GFCI RCPT	20 A	--			360 VA			4804 VA					36
37	1/2"C-2#12,1#12G	TOILET 107/108 GFCI RCPT	20 A	--	360 VA			800 VA			--	20 A	TOILET 105 HAND DRYER *	1/2"C-2#12,1#12G	38
39	1/2"C-2#12,1#12G	FOYER 109 TV RCPT	20 A	--		360 VA			800 VA		--	20 A	TOILET 106 HAND DRYER *	1/2"C-2#12,1#12G	40
41	1/2"C-2#12,1#12G	FOYER 109 DESK RCPT	20 A	--			360 VA			800 VA	--	20 A	TOILET 107 HAND DRYER *	1/2"C-2#12,1#12G	42
43	1/2"C-2#12,1#12G	JANITOR 110 GFCI RCPT	20 A	--	180 VA			800 VA			--	20 A	ACC. TOILET 108 HAND DRYER *	1/2"C-2#12,1#12G	44
45	1/2"C-2#12,1#12G	DRINKING FOUNTAIN RCPT	20 A	--		180 VA			0 VA		--	20 A	SPARE	--	46
47	1/2"C-2#12,1#12G	STORAGE 111 RCPT	20 A	--			180 VA			0 VA	--	20 A	SPARE	--	48
49	1/2"C-2#12,1#12G	POD SEATING 112 FLOOR RCPT	20 A	--	360 VA			0 VA			--	20 A	SPARE	--	50
51	1/2"C-2#12,1#12G	STOR. 113/STAIR RCPT	20 A	--		360 VA			--		--	--	SPACE	--	52
53	1/2"C-2#12,1#12G	LIBRARY/RESOURCE 114 RCPT	20 A	--			540 VA			--	--	--	SPACE	--	54
55	1/2"C-2#12,1#12G	LIBRARY/RESOURCE 114 FLOOR RCPT	20 A	--	360 VA			1351 VA			--	20 A	1ST FLOOR INDOOR LTG	1/2"C-2#12,1#12G	56
57	1/2"C-2#12,1#12G	LIBRARY/RESOURCE 114 FLOOR RCPT	20 A	--		360 VA			1149 VA		--	20 A	1ST FLOOR INDOOR LTG	1/2"C-2#12,1#12G	58
59	1/2"C-2#12,1#12G	LIBRARY/RESOURCE 114 RCPT	20 A	--			360 VA			405 VA	--	20 A	TIME SWITCH/OUTDOOR LIGHTING	3/4"C-2#10,1#10G	60

	PHASE A	PHASE B	PHASE C
TOTAL LOAD (VA)	19540 VA	18752 VA	16994 VA
TOTAL LOAD (AMPS)	163	157	142

Notes:
* PROVIDE BREAKER LOCKABLE IN THE "OFF" POSITION.
*** VERIFY FINAL ELECTRICAL REQUIREMENTS WITH MFR DRAWINGS

PANELBOARD P2

LOCATION	ELECTRICAL 202	VOLTS	120/208 WYE	AIC RATING	10,000
MOUNTING TYPE	SURFACE	WIRES	4	BUS RATING	200 A
ENCLOSURE TYPE	NEMA 1	CIRCUITS	60	MAIN BREAKER	MLO

(LABEL PANELBOARDS ACCORDING TO NAMING CONVENTIONS LISTED IN ELECTRICAL SPECIFICATIONS)

CKT	HOME RUN	LOAD NAME	TRIP	INT TYPE	A	B	C	A	B	C	INT TYPE	TRIP	LOAD NAME	HOME RUN	CKT
1	1/2"C-2#12,1#12G	VESTIBULE 201/ELEC 202 RCPT	20 A	--	360 VA			7599 VA							2
3	1/2"C-2#12,1#12G	STORAGE 203 RCPT	20 A	--		360 VA			7599 VA		--	90 A	HP-1	1 1/2"C-3#3,1#8G	4
5	1/2"C-2#12,1#12G	SERVER 204 RCPT	20 A	--			360 VA			7599 VA					6
7	1/2"C-2#12,1#12G	SERVER 204 RCPT	20 A	--	180 VA			1652 VA							8
9	1/2"C-2#12,1#12G	SERVER 204 RCPT	20 A	--		180 VA			1652 VA		--	20 A	ERV-2	1/2"C-3#12,1#12G	10
11	1/2"C-2#12,1#12G	SERVER 204 RACK RCPT	20 A	--			180 VA			1652 VA					12
13	3/4"C-2#10,1#10G	SERVER 204 TWISTLOCK RACK RCPT	30 A	--	1200 VA			508 VA			--	15 A	BSB-2/FC-6/FC-7/FC-8/FC-9	1/2"C-2#12,1#12G	14
15						1200 VA			508 VA						16
17	1/2"C-2#12,1#12G	WORKROOM 205 RCPT	20 A	--			900 VA			100 VA					18
19	1/2"C-2#12,1#12G	LOBBY 206 RCPT	20 A	--	540 VA			100 VA			--	15 A	FC-10/FC-11/FC-14/FC-15	1/2"C-2#12,1#12G	20
21	1/2"C-2#12,1#12G	LOBBY 206 RCPT	20 A	--		1260 VA			2188 VA						22
23	1/2"C-2#12,1#12G	TOILET 207 GFCI RCPT	20 A	--			180 VA			2188 VA	--	30 A	WH-1 *	3/4"C-2#10,1#10G	24
25	1/2"C-2#12,1#12G	* TOILET 207 HAND DRYER	20 A	--	800 VA			1500 VA			GFCI	20 A	PULLCHAIN LIGHT/RCPT	1/2"C-2#12,1#12G	26
27	1/2"C-2#12,1#12G	OFFICE 208 RCPT	20 A	--		1080 VA			1500 VA		GFCI	20 A	PULLCHAIN LIGHT/RCPT	1/2"C-2#12,1#12G	28
29	1/2"C-2#12,1#12G	OFFICE 209 RCPT	20 A	--			1080 VA			1000 VA	GFCI	20 A	PULLCHAIN LIGHT/RCPT	1/2"C-2#12,1#12G	30
31	1/2"C-2#12,1#12G	OFFICE 210 RCPT	20 A	--	720 VA			0 VA			--	20 A	SPARE	--	32
33	1/2"C-2#12,1#12G	OFFICE 210 RCPT	20 A	--		540 VA			0 VA		--	20 A	SPARE	--	34
35	1/2"C-2#12,1#12G	OFFICE 211 RCPT	20 A	--			540 VA			0 VA	--	20 A	SPARE	--	36
37	1/2"C-2#12,1#12G	OFFICE 211 RCPT	20 A	--	720 VA			--			--	--	SPACE	--	38
39	1/2"C-2#12,1#12G	OFFICE 212 RCPT	20 A	--		1080 VA			--		--	--	SPACE	--	40
41	1/2"C-2#12,1#12G	OFFICE 213 RCPT	20 A	--			1080 VA			--	--	--	SPACE	--	42
43	1/2"C-2#12,1#12G	STORAGE 214/GALLERY 215 RCPT	20 A	--	540 VA			--			--	--	SPACE	--	44
45	1/2"C-2#12,1#12G	OUTDOOR MAINT. GFCI RCPT	20 A	--		180 VA			--		--	--	SPACE	--	46
47	1/2"C-2#12,1#12G	ACCESS CONTROL PANEL	20 A	--			500 VA			--	--	--	SPACE	--	48
49	1/2"C-2#12,1#12G	** FIRE ALARM CIRCUIT	20 A	--	500 VA			--			--	--	SPACE	--	50
51	--	SPACE	--	--		--			--		--	--	SPACE	--	52
53	--	SPACE	--	--			--			--	--	--	SPACE	--	54
55	--	SPACE	--	--	--			--			--	--	SPACE	--	56
57	--	SPACE	--	--		--			1216 VA		--	20 A	2ND FLOOR INDOOR LTG	1/2"C-2#12,1#12G	58
59	--	SPACE	--	--			--			1165 VA	--	20 A	2ND FLOOR INDOOR LTG	1/2"C-2#12,1#12G	60

	PHASE A	PHASE B	PHASE C
TOTAL LOAD (VA)	16919 VA	20543 VA	18525 VA
TOTAL LOAD (AMPS)	141	172	155

Notes:
* PROVIDE BREAKER LOCKABLE IN THE "OFF" POSITION.
** PROVIDE BREAKER WITH RED HANDLE AND MECHANICAL HOLD.

GENERAL NOTES

#	NOTE
1.	REFER TO SPECIFICATION SECTION 262416, "PANELBOARDS" FOR ADDITIONAL PANELBOARD AND BREAKER REQUIREMENTS.

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ARCHITECT'S STAMP

LICENSED ARCHITECT
MARK R. VAN DEBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER
KEITH WITCHER
ELECTRICAL
NOT FOR CONSTRUCTION
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: 75% CD

SHEET NO.

E003

PANEL SCHEDULES

PANELBOARD P3

LOCATION	MTG. ALCOVE 310	VOLTS	120/208 WYE	AIC RATING	10,000
MOUNTING TYPE	FLUSH	WIRES	4	BUS RATING	200 A
ENCLOSURE TYPE	NEMA 1	CIRCUITS	60	MAIN BREAKER	200 A

(LABEL PANELBOARDS ACCORDING TO NAMING CONVENTIONS LISTED IN ELECTRICAL SPECIFICATIONS)

CKT	HOME RUN	LOAD NAME	TRIP	INT TYPE	A	B	C	A	B	C	INT TYPE	TRIP	LOAD NAME	HOME RUN	CKT
1	1/2"C-2#12,1#12G	HEAD SPACE 301 RCPT	20 A	--	360 VA			333 VA			--	15 A	FC-5/FC-12	1/2"C-2#12,1#12G	2
3	1/2"C-2#12,1#12G	HEAD SPACE 301/STOR. 302 RCPT	20 A	--		540 VA			333 VA						4
5	1/2"C-2#12,1#12G	HEAD SPACE 301 FLOOR RCPT	20 A	--			360 VA			541 VA	--	15 A	FC-13	1/2"C-2#12,1#12G	6
7	1/2"C-2#12,1#12G	COMMUNITY ROOM 303 RCPT	20 A	--	360 VA			541 VA							8
9	1/2"C-2#12,1#12G	COMMUNITY ROOM 303 RCPT	20 A	--		360 VA			1500 VA		GFCI	20 A	PULLCHAIN LIGHT/RCPT	1/2"C-2#12,1#12G	10
11	1/2"C-2#12,1#12G	COMMUNITY RM 303 FLOOR RCPT	20 A	--			360 VA			0 VA	--	20 A	SPARE	--	12
13	1/2"C-2#12,1#12G	COMMUNITY RM 303 FLOOR RCPT	20 A	--	360 VA			0 VA			--	20 A	SPARE	--	14
15	1/2"C-2#12,1#12G	COMMUNITY RM 303 FLOOR RCPT	20 A	--		360 VA			0 VA		--	20 A	SPARE	--	16
17	1/2"C-2#12,1#12G	COMMUNITY RM 303 FLOOR RCPT	20 A	--			360 VA			--	--	--	SPACE	--	18
19	1/2"C-2#12,1#12G	COMMUNITY RM 303 FLOOR RCPT	20 A	--	360 VA			--			--	--	SPACE	--	20
21	1/2"C-2#12,1#12G	COMMUNITY RM 303 FLOOR RCPT	20 A	--		360 VA			--		--	--	SPACE	--	22
23	1/2"C-2#12,1#12G	STORAGE 304/STAIR RCPT	20 A	--			540 VA			--	--	--	SPACE	--	24
25	1/2"C-2#12,1#12G	PANTRY 305 RCPT	20 A	--	360 VA			--			--	--	SPACE	--	26
27	1/2"C-2#12,1#12G	PANTRY 305 RCPT	20 A	--		180 VA			--		--	--	SPACE	--	28
29	1/2"C-2#12,1#12G	PANTRY 305 RCPT	20 A	--			180 VA			--	--	--	SPACE	--	30
31	1/2"C-2#12,1#12G	PANTRY 305 RCPT	20 A	--	180 VA			--			--	--	SPACE	--	32
33	1/2"C-2#12,1#12G	PANTRY 305 REFR RCPT	20 A	--		1200 VA			--		--	--	SPACE	--	34
35	1/2"C-2#12,1#12G	PANTRY 305 MICROWAVE RCPT	20 A	--			1200 VA			--	--	--	SPACE	--	36
37	1/2"C-2#12,1#12G	MEN 306/WOMEN 308 GFCI RCPT	20 A	--	360 VA			--			--	--	SPACE	--	38
39	1/2"C-2#12,1#12G	* MEN 306 HAND DRYER	20 A	--		800 VA			--		--	--	SPACE	--	40
41	1/2"C-2#12,1#12G	HALL 307 RCPT	20 A	--			360 VA			--	--	--	SPACE	--	42
43	1/2"C-2#12,1#12G	* WOMEN 308 HAND DRYER	20 A	--	800 VA			--			--	--	SPACE	--	44
45	1/2"C-2#12,1#12G	MTG. ALCOVE 310 RCPT	20 A	--		360 VA			--		--	--	SPACE	--	46
47	--	SPACE	--	--			--			--	--	--	SPACE	--	48
49	--	SPACE	--	--	--			--			--	--	SPACE	--	50
51	--	SPACE	--	--		--			--		--	--	SPACE	--	52
53	--	SPACE	--	--			--			--	--	--	SPACE	--	54
55	--	SPACE	--	--	--			--			--	--	SPACE	--	56
57	--	SPACE	--	--		--			--		--	--	SPACE	--	58
59	--	SPACE	--	--			--			1354 VA	--	20 A	3RD FLOOR INDOOR LTG	1/2"C-2#12,1#12G	60
					PHASE A		PHASE B		PHASE C		Notes:		* PROVIDE BREAKER LOCKABLE IN THE "OFF" POSITION.		
		TOTAL LOAD (VA)			4014 VA		5993 VA		5255 VA						
		TOTAL LOAD (AMPS)			34		50		44						

GENERAL NOTES

#	NOTE
1.	REFER TO SPECIFICATION SECTION 262416, "PANELBOARDS" FOR ADDITIONAL PANELBOARD AND BREAKER REQUIREMENTS.

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YUROK TRIBE

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WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO.	C1276
DATE:	**23-APRIL-2026**
ISSUE:	75% CD

SHEET NO.

E004

PANEL SCHEDULES

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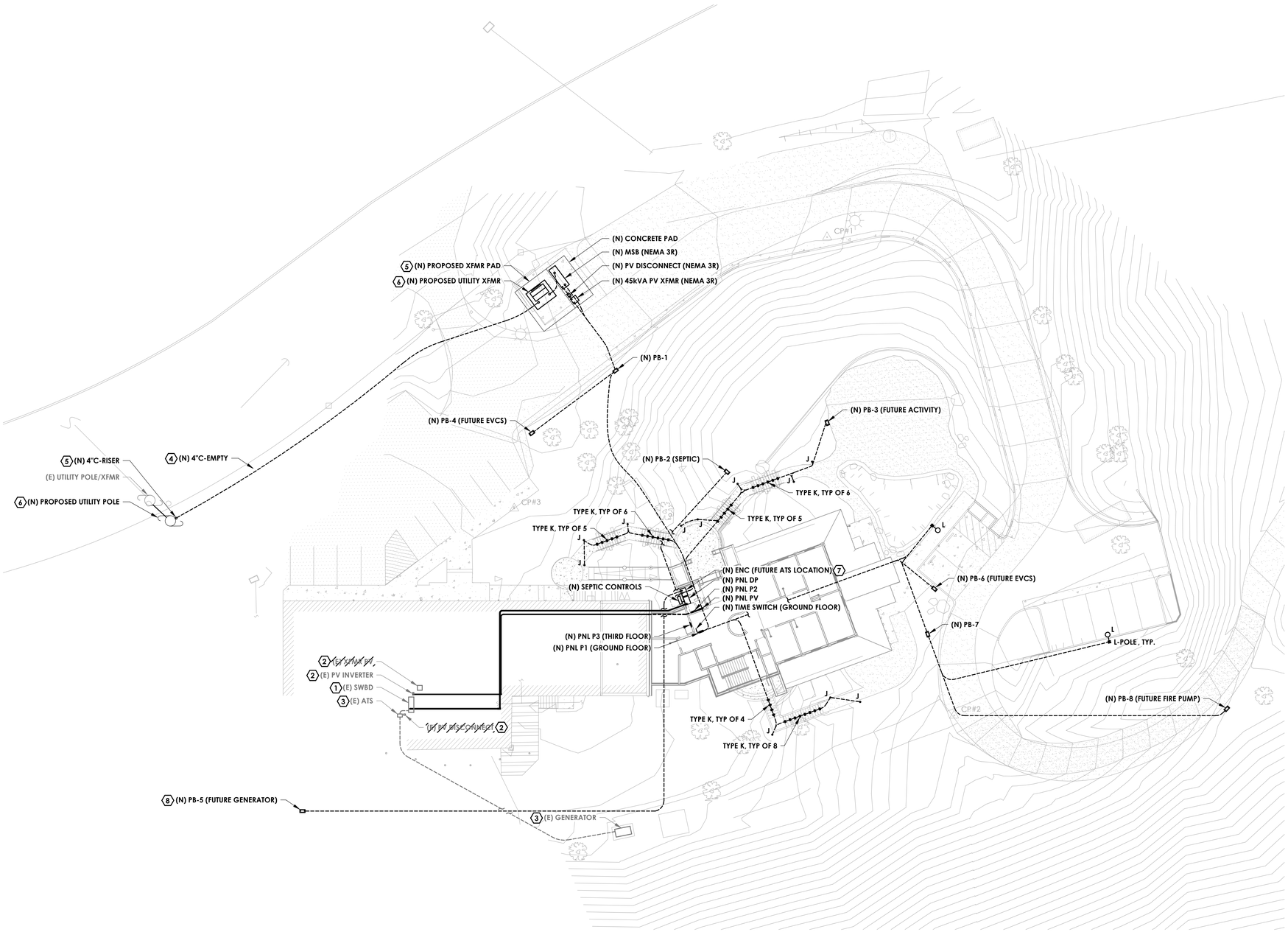
KEYNOTES

#	NOTE
1.	DISCONNECT AND REMOVE EXISTING UTILITY CONDUCTORS, CONDUIT, AND METER. PROVIDE AND INSTALL NEW CONDUIT AND FEEDER CONDUCTORS AS SHOWN AND TERMINATE TO EXISTING SWITCHBOARD BEFORE AUTOMATIC TRANSFER SWITCH TAP.
2.	DISCONNECT AND REMOVE EXISTING PHOTOVOLTAIC TRANSFORMER AND ASSOCIATED DISCONNECT, CONDUIT, AND CONDUCTORS. PROVIDE AND INSTALL NEW CONDUIT AND CONDUCTORS AS SHOWN AND TERMINATE TO EXISTING PHOTOVOLTAIC INVERTER.
3.	MODIFY EXISTING GENERATOR VOLTAGE AS REQUIRED TO MATCH NEW UTILITY SERVICE. EXISTING AUTOMATIC TRANSFER SWITCH IS TO REMAIN AND BE REUSED. RELABEL ALL EQUIPMENT AS REQUIRED TO REFLECT VOLTAGE CHANGES. COORDINATE WITH EXISTING BUILDING EQUIPMENT TO ENSURE ALL CIRCUITS REMAIN CORRECTLY RATED FOR THE EQUIPMENT BEING SERVED. AUTOMATIC TRANSFER SWITCH SHALL BE RELISTED BEFORE SUBSTANTIAL COMPLETION OF THE PROJECT.
4.	SAW CUT EXISTING PAVEMENT AS REQUIRED. PROVIDE AND INSTALL NEW EMPTY UTILITY CONDUIT FROM NEW UTILITY POLE/RISER TO NEW UTILITY TRANSFORMER, IN ACCORDANCE WITH PG&E REQUIREMENTS. PATCH AND REPAIR PAVEMENT TO MATCH EXISTING CONDITIONS.
5.	PROVIDE AND INSTALL IN ACCORDANCE WITH PG&E REQUIREMENTS.
6.	UTILITY EQUIPMENT TO BE INSTALLED BY PG&E.
7.	PROVIDE AND INSTALL CONDUCTOR LOOP INSIDE NEW ENCLOSURE TO ENSURE ADEQUATE CONDUCTOR LENGTH FOR FUTURE AUTOMATIC TRANSFER SWITCH INSTALLATION.
8.	COORDINATE FINAL LOCATION WITH OWNER PRIOR TO TRENCHING.

GENERAL NOTES

#	NOTE
1.	THE SECOND FLOOR OF THE BUILDING IS SHOWN ON THE SITE PLAN TO INDICATE PLACEMENT OF ELECTRICAL DISTRIBUTION EQUIPMENT, UNLESS OTHERWISE NOTED.
2.	PROVIDE AND INSTALL 3-HOUR FIRE RATED PENETRATION FOR ALL CONDUITS THROUGH EXISTING BUILDING MASONRY WALL.



ELECTRICAL SITE PLAN
1" = 20'-0"

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SET ISSUE DATES	
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PROGRESS SET	30-MAR-2026
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E101

ELECTRICAL SITE PLAN

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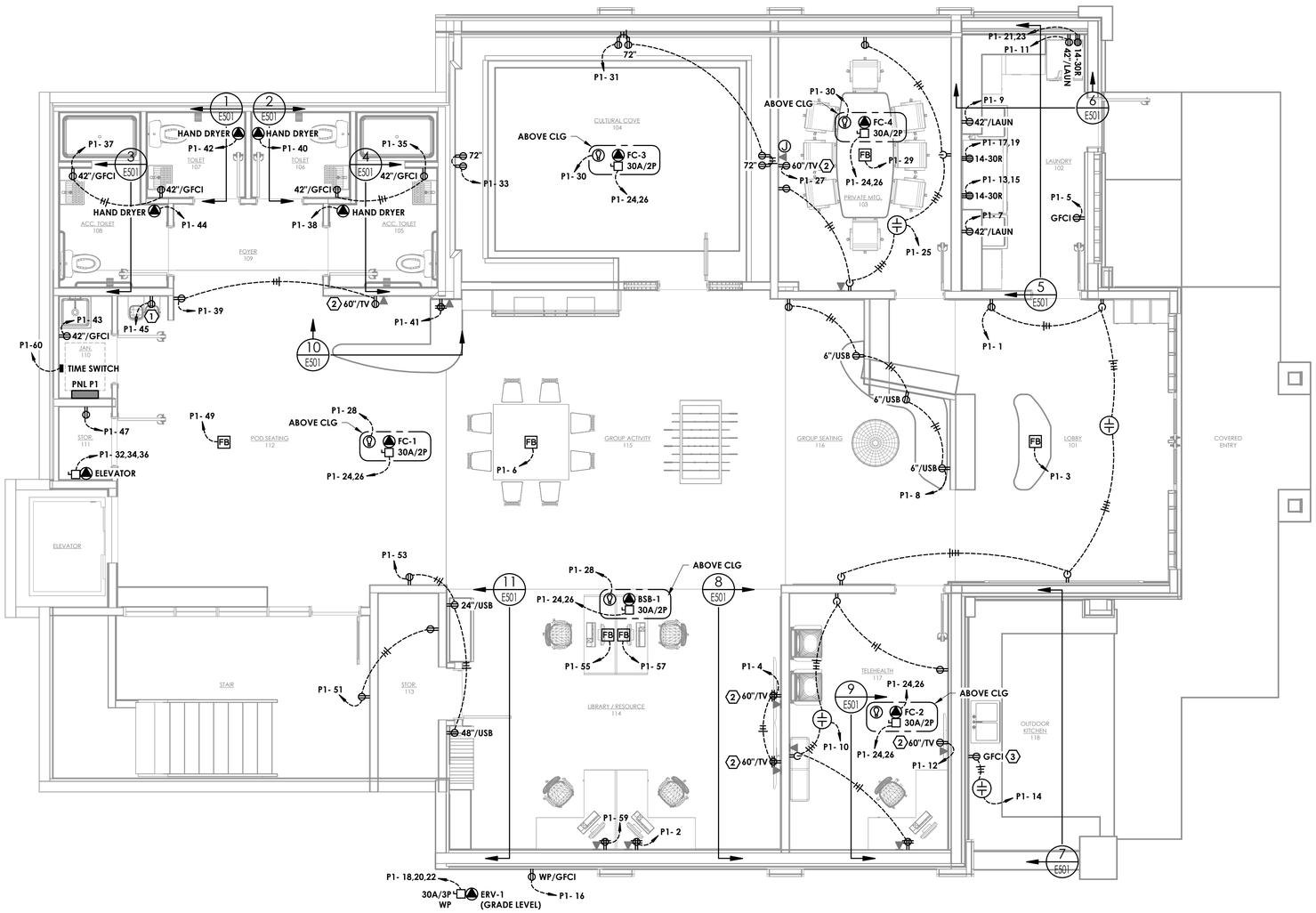
KEYNOTES

#	NOTE
1.	COORDINATE FINAL MOUNTING HEIGHT, LOCATION AND PLATE CONFIGURATION WITH HYDRATION STATION PROVIDER/INSTALLER. RECEPTACLE SHOULD BE MOUNTED BEHIND THE HYDRATION STATION WHERE REMOVAL OF A PANEL WILL PROVIDE ACCESS TO THE CORD AND RECEPTACLE AS DISCONNECTING MEANS.
2.	PROVIDE AND INSTALL RECESSED TV BOX WITH POWER AND DATA. SEE ELECTRICAL SPECIFICATIONS SECTION 260533.
3.	PROVIDE AND INSTALL RECEPTACLE INSIDE LOCKABLE CASEWORK UNDER COUNTERTOP. BOTH PLUGS ON THIS RECEPTACLE SHALL BE CONTROLLED BY PLUG LOAD CONTROLLER, NOT SPLIT WIRE.



POWER PLAN - GROUND FLOOR

1/4" = 1'-0"

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SET ISSUE DATES

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DATE: 23-APRIL-2026
ISSUE: I75% CD

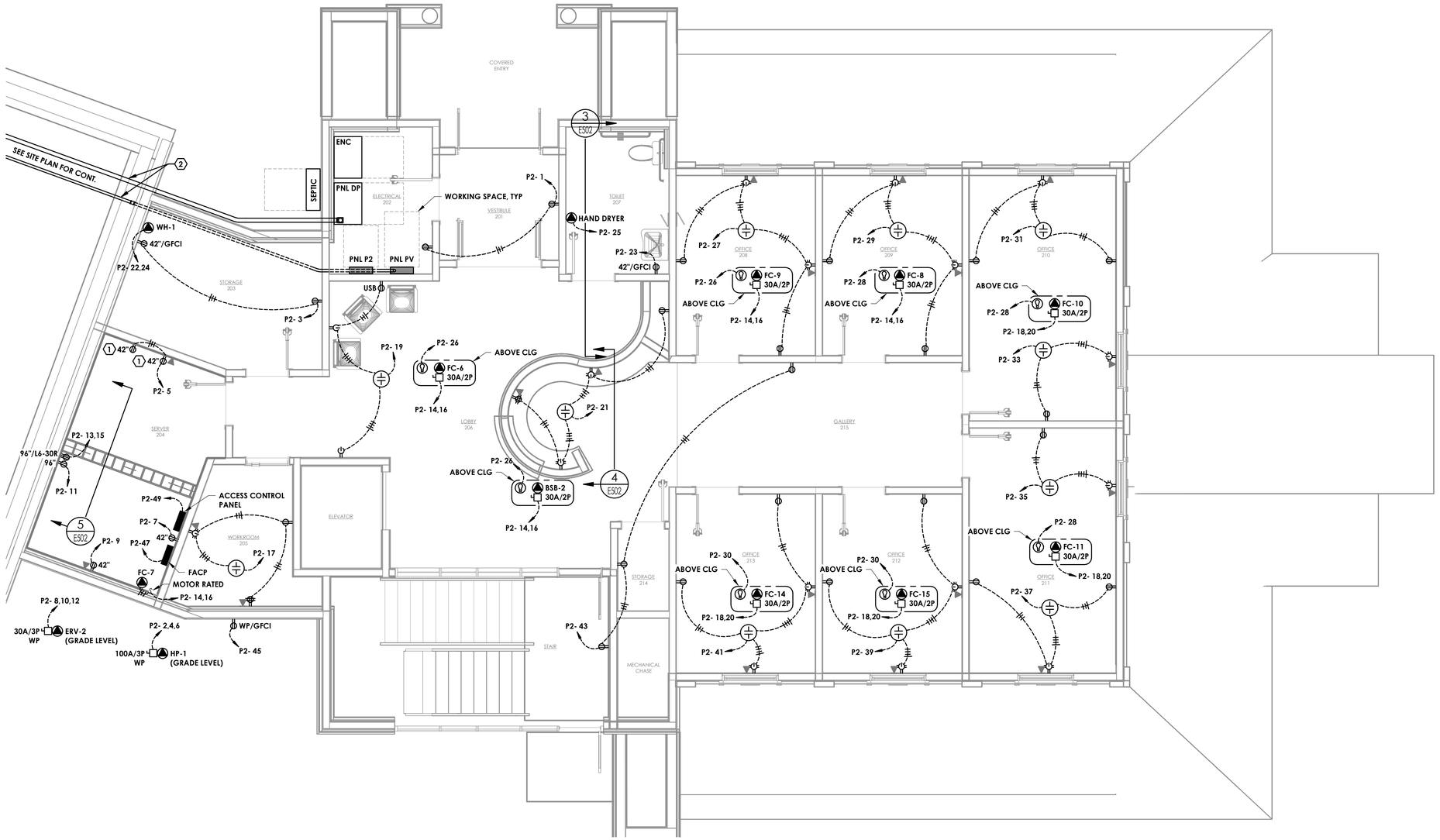
SHEET NO.

E201

POWER PLAN - GROUND FLOOR

KEYNOTES

#	NOTE
1.	COORDINATE FINAL LOCATION WITH HVAC CONTROLLERS. SEE MECHICAL DRAWINGS.
2.	PROVIDE AND INSTALL 3-HOUR FIRE RATED PENETRATION FOR ALL CONDUITS THROUGH EXISTING BUILDING MASONRY WALL.



POWER PLAN - SECOND FLOOR
1/4" = 1'-0"

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YUROK YOUTH CENTER EXPANSION

YUROK TRIBE
23001 CA HWY 96
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SET ISSUE DATES

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E202

POWER PLAN - SECOND FLOOR

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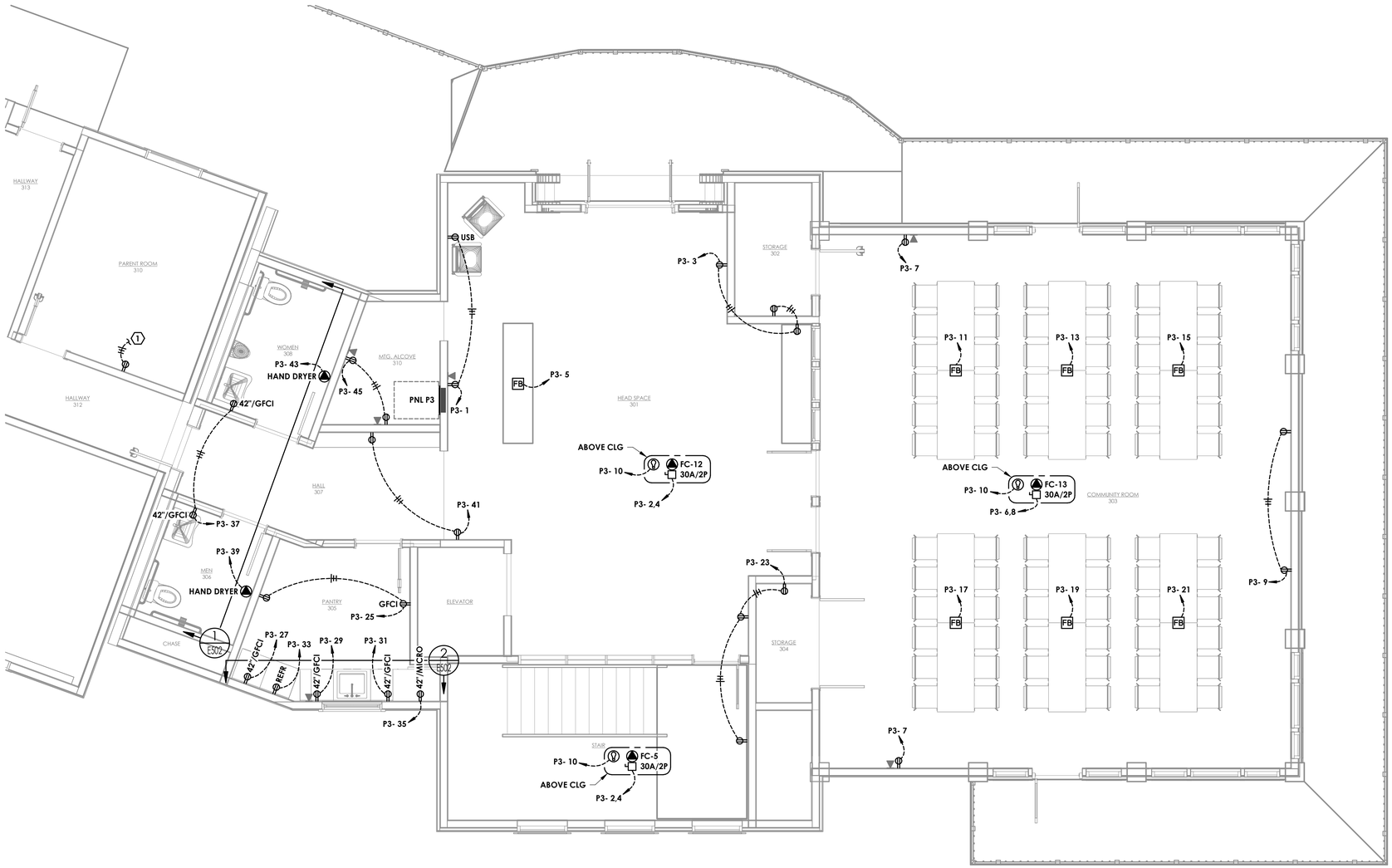
KEYNOTES

#	NOTE
1.	EXTEND EXISTING CIRCUIT TO RECEPTACLE AS REQUIRED TO PROVIDE AND INSTALL NEW RECEPTACLE IN NEW PARENT ROOM 310 SOUTH WALL.

GENERAL NOTES

#	NOTE
1.	PROVIDE AND INSTALL AN ASSISTED LISTENING SYSTEM IN THE MULTIPURPOSE AREA PER CBC 11B-219 IN ACCORDANCE WITH CBC 11B-706.3. SYSTEM CAN BE PERMANENT OR PORTABLE. NUMBER OF HEADSETS REQUIRED = 4% x 91 SEATS = 4 HEADSETS TOTAL. PORTABLE HEADSETS SHALL BE HAMILTON BUHL W904 , OR EQUAL WITH 40 HOURS OF OPERATION - 1 TRANSMITTER/ 4 HEADSETS WITH PA SYSTEM -COMPLETE PACKAGE.



POWER PLAN - THIRD FLOOR
1/4" = 1'-0"

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REVISIONS

REV #	DESCRIPTION	DATE

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DATE:	23-APRIL-2026
ISSUE:	75% CD

SHEET NO.

E203

POWER PLAN - THIRD FLOOR

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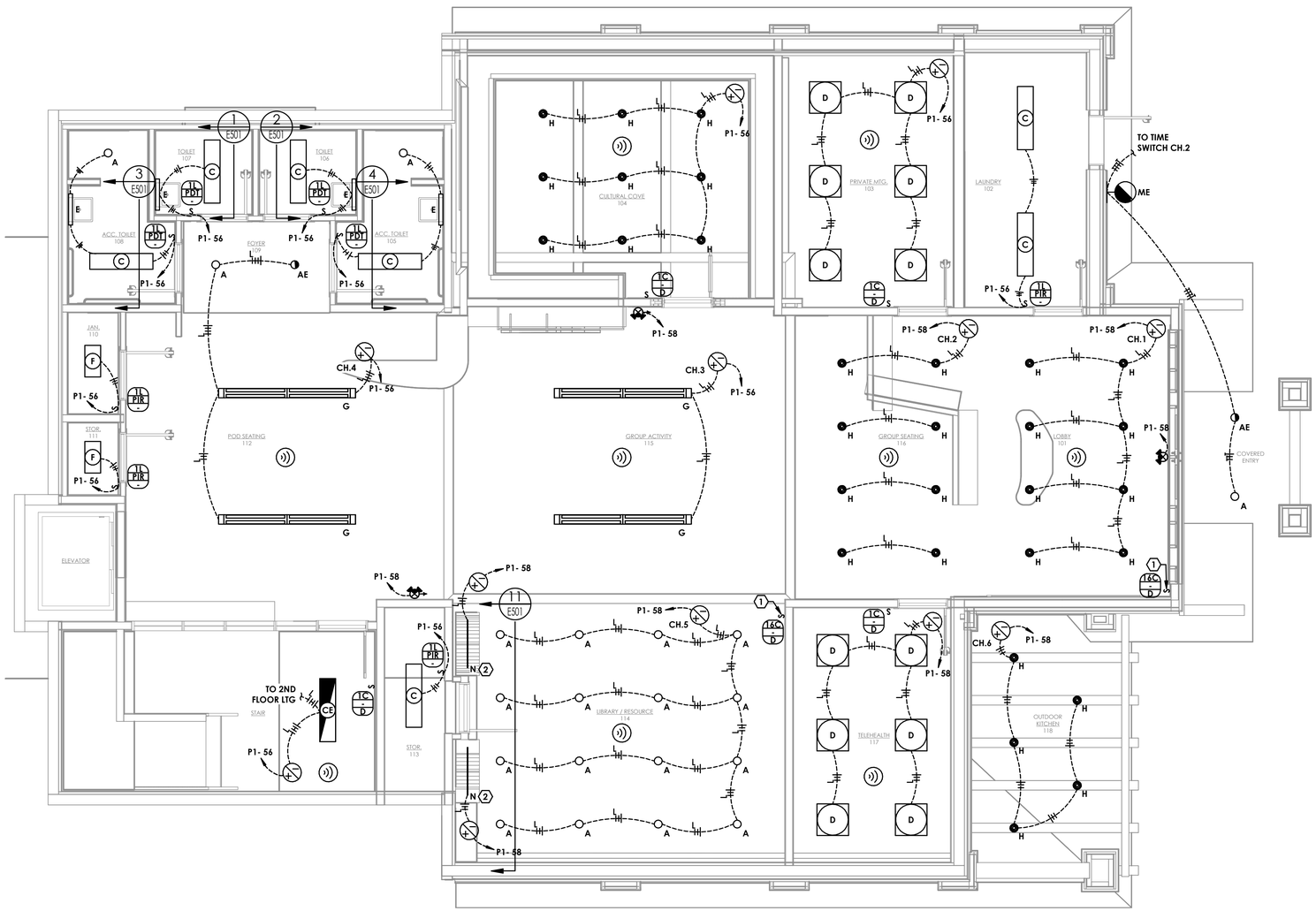
KEYNOTES

#	NOTE
1.	PROVIDE AND INSTALL ACUITY nLIGHT nPOD GFX WALLPOD FOR LIGHTING CONTROL WITH THE FOLLOWING AREAS: LOBBY 101, POD SEATING 112, LIBRARY/RESOURCE 114, GROUP ACTIVITY 115, GROUP SEATING 116, AND OUTDOOR KITCHEN 118.
2.	PROVIDE AND INSTALL RGBW WB5 CONTROLLER, 24V 100W MW POWER SUPPLY, AND AC PLUG IN KIT AND ANY OTHER ACCESSORIES FOR A COMPLETE AND PROFESSIONAL INSTALLATION INCLUDING ALU-3D-2015 TRIMLESS RECESSED FREE-FORM BENDING SMALL FLEXIBLE ALUMINUM LED CHANNEL FOR RECESSED INSTALLATION. COORDINATE FINAL LOCATION OF WALL MOUNT RGBW PANEL CONTROLLER WITH OWNER.

GENERAL NOTES

#	NOTE
1.	X



LIGHTING PLAN - GROUND FLOOR
1/4" = 1'-0"

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SET ISSUE DATES

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PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

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DATE: 23-APRIL-2026
ISSUE: I75% CD

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E301

LIGHTING PLAN - GROUND FLOOR

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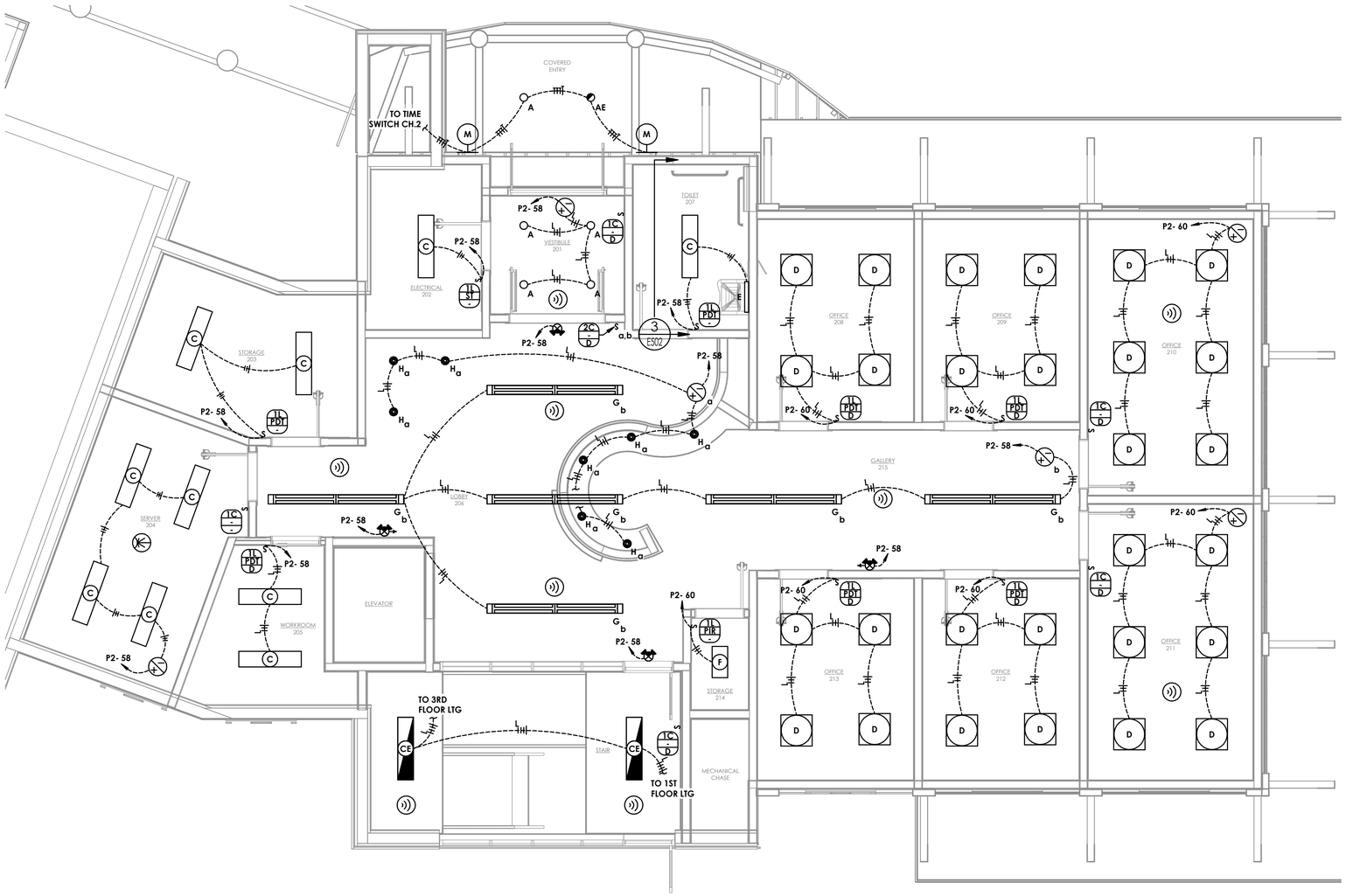
KEYNOTES

#	NOTE
1.	X

GENERAL NOTES

#	NOTE
1.	X



LIGHTING PLAN - SECOND FLOOR
1/4" = 1'-0"

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E302

LIGHTING PLAN - SECOND FLOOR

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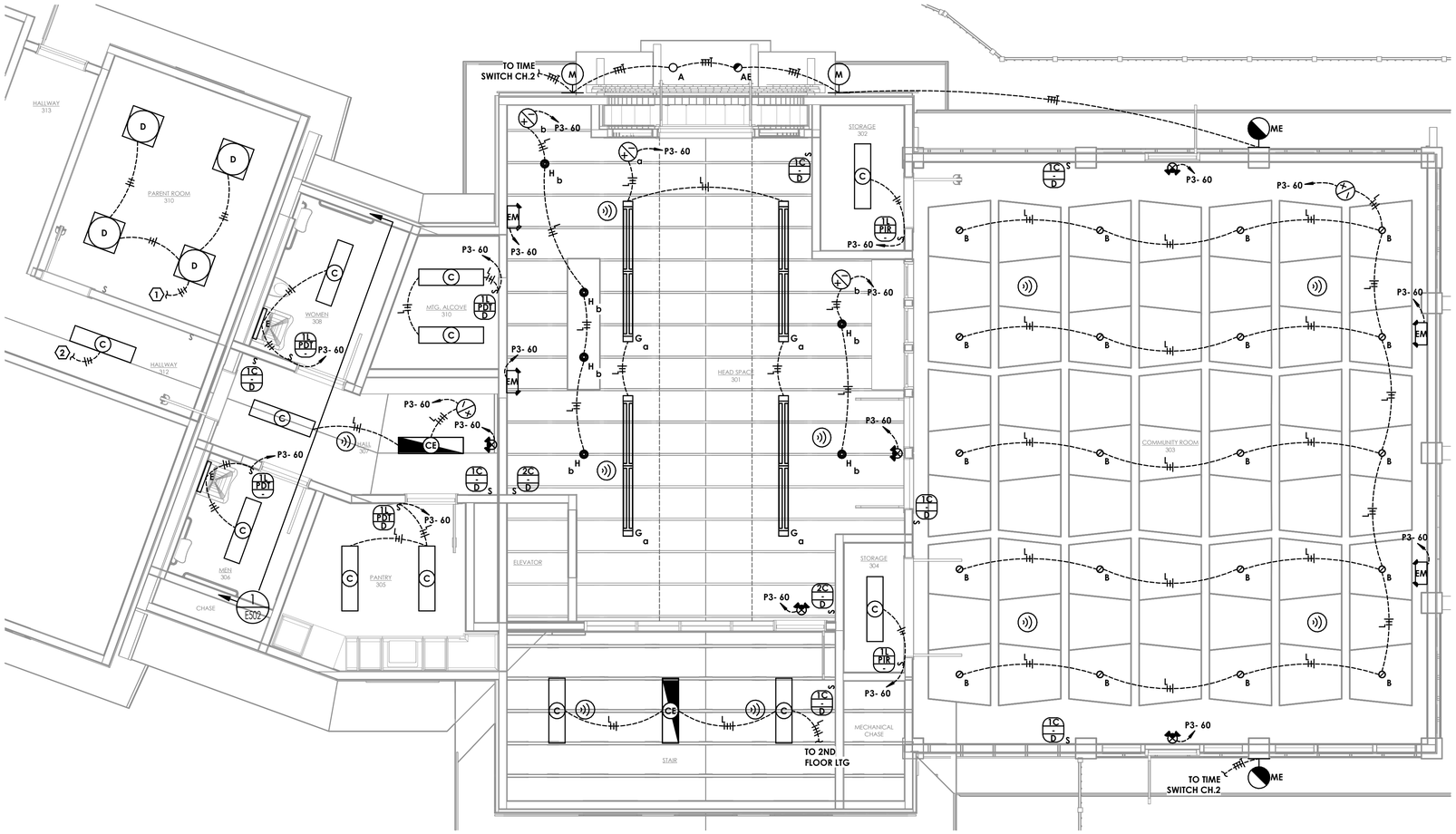
KEYNOTES

#	NOTE
1.	EXTEND EXISTING SWITCHED LIGHTING CIRCUIT AS REQUIRED TO PROVIDE AND INSTALL NEW LIGHTING IN NEW PARENT ROOM 310 SOUTH AND HALLWAY 323.

GENERAL NOTES

#	NOTE
1.	X



LIGHTING PLAN - THIRD FLOOR
1/4" = 1'-0"

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LIGHTING PLAN - THIRD FLOOR

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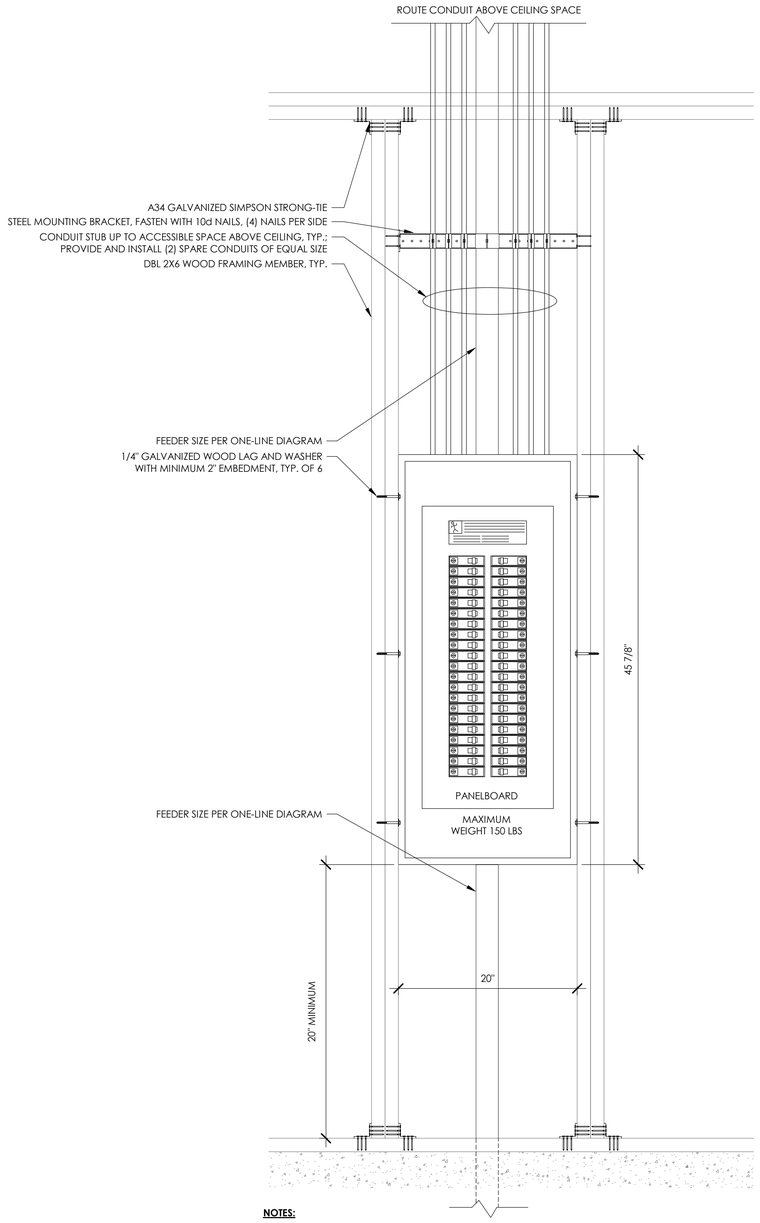
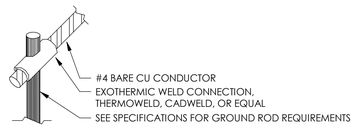


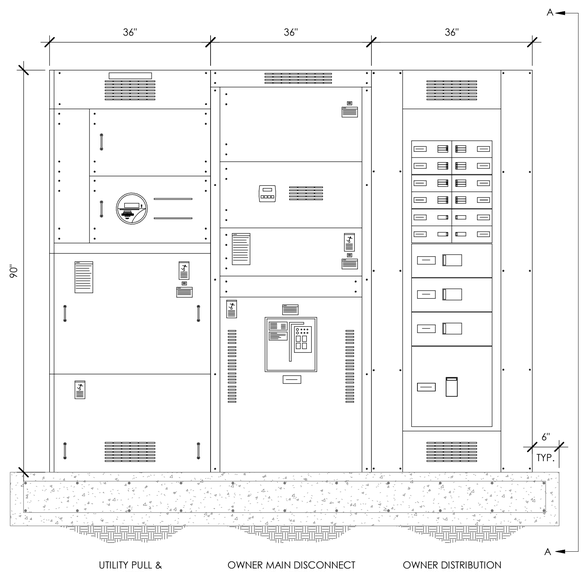
NOTES:

1. TYPICAL PANELBOARD CABINET MAY VARY LENGTH, THIS DETAIL SHALL ACCOUNT FOR LARGEST AND HEAVIEST PANELBOARD AVAILABLE, BUT FASTENING AND ANCHORAGE SHALL BE USED EQUALLY FOR SMALLER CABINET CONFIGURATIONS.
2. MAXIMUM BREAKER HANDLE HEIGHT SHALL BE 78".
3. TYPICAL PANELBOARD CABINET IS 20"W x 5 3/4"D, LENGTH SHALL VARY.
4. TYPICAL LOADCENTER CABINET IS 16"W x 3"D, LENGTH SHALL VARY.

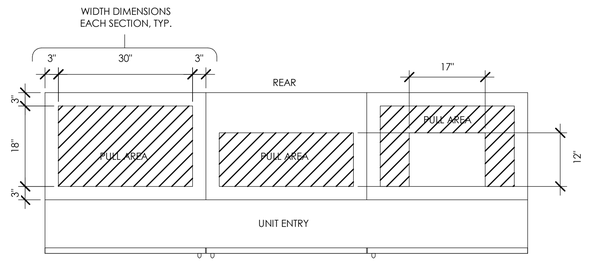
PANELBOARD - FLUSH MOUNT IN WOOD CONSTRUCTION — 3 / E401
NTS



GROUNDING - CABLE TO GROUND ROD — 1 / E401
NTS



ELEVATION - FRONT

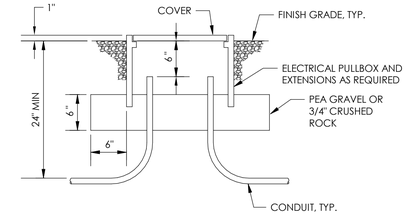


FLOOR PLAN - PULL AREA

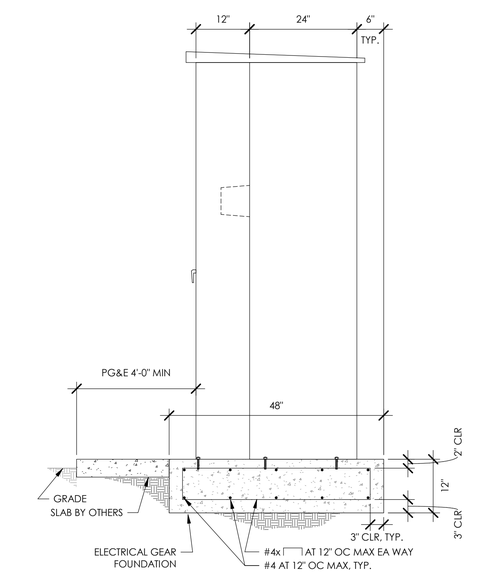
NOTE:

1. TYPICAL MAIN SWITCHBOARD CABINET MAY VARY IN WIDTH AND LENGTH, THIS DETAIL SHALL ACCOUNT FOR LARGEST AND EQUIPMENT AVAILABLE, BUT FASTENING AND ANCHORAGE SHALL BE USED EQUALLY FOR SMALLER CABINET CONFIGURATIONS.
2. WHERE MANUFACTURER REQUIRES ADDITIONAL FASTENING LOCATIONS, PROVIDE ADDITIONAL ANCHORS.
3. PG&E: THE PAD-MOUNTED EQUIPMENT MUST BE SET BACK LESS THAN 2 INCHES FROM THE FRONT EDGE OF A RAISED PAD, AND THE CONCRETE PAD MUST BE LESS THAN 2" ABOVE THE FINISHED GROUND OR FLOOR. THIS IS TRUE FOR ALL PG&E SECTIONS. OTHERWISE, EXTEND THE PAD OUTWARD.

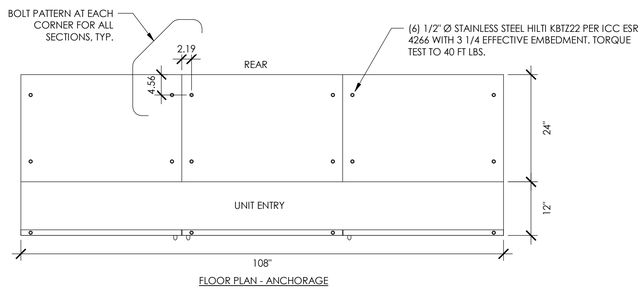
SWITCHBOARDS - NEMA 3R FOUNDATION AND ANCHORAGE — 4 / E401
NTS



BOXES - UNDERGROUND SWEEP UP — 2 / E401
NTS



ELEVATION - SIDE VIEW AND CONCRETE REINFORCEMENT



FLOOR PLAN - ANCHORAGE

trilogy
2055 PINE STREET REDDING, CA 96001
t: 530.243.3000
www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT — KARIE R. VAN DEBERG — BID SET — RENEWAL DATE — STATE OF CALIFORNIA

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER — SCOTT M. TITCHENAL — PRELIMINARY NOT FOR CONSTRUCTION OR RECORDATION — STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: **23-APRIL-2026**
ISSUE: 75% CD

SHEET NO.

E401

ELECTRICAL DETAILS

4/24/2026 8:14:23 AM C:\Local Files\0801.57 Yurok Tribal Center Expansion\0801.57_E_Yurok Tribal Center Expansion_R23_LRA.rvt

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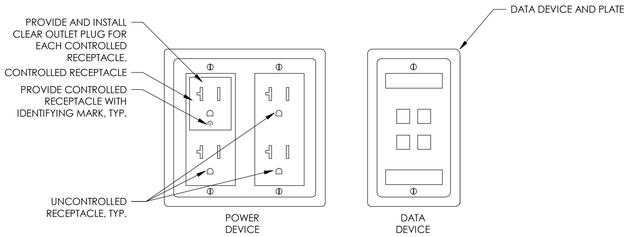
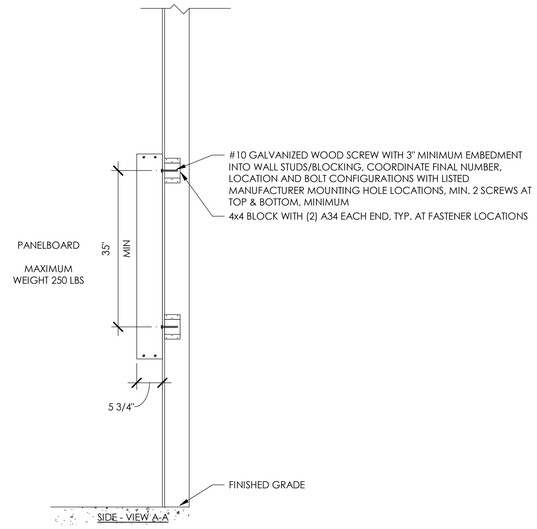


NOTE:

1. WHERE RECEPTACLES AND DATA DEVICES ARE SHOWN IN CLOSE PROXIMITY TO ONE ANOTHER IN THE DRAWINGS, PROVIDE DATA TO THE RIGHT OF THE RECEPTACLE. POSITION DEVICE PLATES SO THAT THEY ARE HORIZONTALLY CENTERED.
2. FOLLOW CONTROLLED RECEPTACLE INSTRUCTIONS WHERE CONTROLLED RECEPTACLES ARE LOCATED.

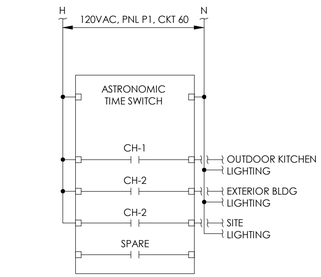
WIRING DEVICES - POWER AND DATA GROUPING 2 E402
NTS



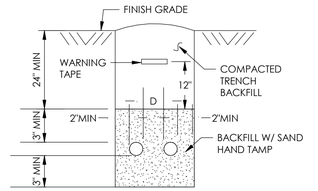
NOTE:

1. TYPICAL PANELBOARD CABINET MAY VARY IN WIDTH AND LENGTH. THIS DETAIL SHALL ACCOUNT FOR LARGEST AND HEAVIEST PANELBOARD AVAILABLE, BUT FASTENING AND ANCHORAGE SHALL BE USED EQUALLY FOR SMALLER CABINET CONFIGURATIONS.
2. WHERE MANUFACTURER REQUIRES A THIRD FASTENING LOCATION, PROVIDE ADDITIONAL STRUT CHANNEL AND FASTENERS. MATCH ADDITIONAL STRUT CHANNEL WITH OTHERS SHOWN (THIS DETAIL).
3. MAXIMUM BREAKER HANDLE HEIGHT SHALL BE 78".

PANELBOARD - SURFACE MOUNT TO WOOD 3 E402
NTS



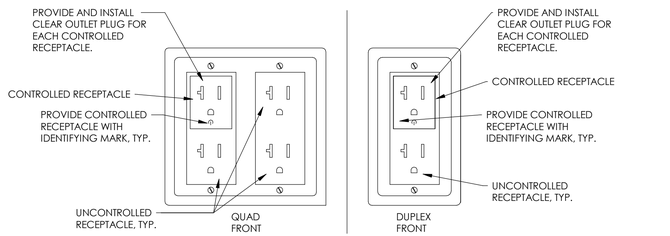
WIRING DEVICE - TIME SWITCH 1 E402

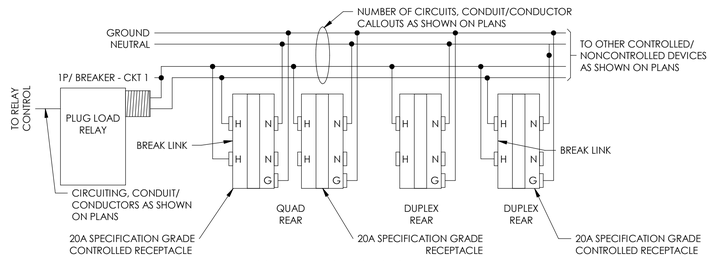


NOTES:

1. D=3" MIN FOR 2" AND LARGER CONDUIT
2. D=2" MIN FOR 1 1/2" AND SMALLER CONDUIT
3. CONDUIT DETAIL FOR LESS THAN 4 RACEWAYS PER TRENCH.
4. DUCT RUNS WITH 5 OR MORE CONDUITS SHALL EMPLOY DUCT SPACERS.

RACEWAY - UNDERGROUND CONDUIT 4 E402
NTS

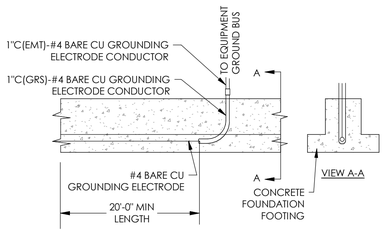




CONTROLLED RECEPTACLE CIRCUIT DETAIL

WIRING DEVICE - CONTROLLED RECEPTACLE 5 E402
NTS

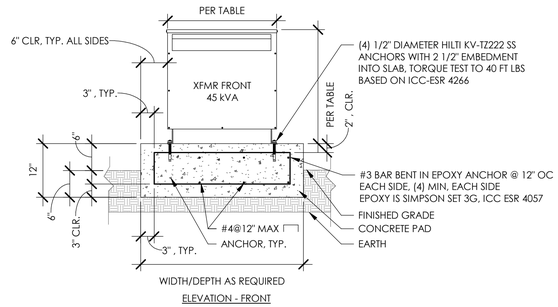
kVA RATING	DIMENSIONS (INCHES) WIDTH	HEIGHT	DEPTH	WEIGHT (LBS)
45	25.50	24.93	19.37	400
75	29.41	28.15	22.37	500
112.5	35.47	31.90	26.88	750
TRANSFORMER SPECS FOR 480VAC : 208Y/120VAC				



NOTE:

IF A VAPOR BARRIER IS USED THAT SEPARATES THE UFER GROUND/FOOTING FROM THE EARTH, PROVIDE AND INSTALL (2) GROUND RODS IN LIEU OF THE UFER GROUND.

GROUNDING - UFER COPPER CONDUCTOR 6 E402
NTS



ELEVATION - FRONT

NOTES:

1. ANCHOR EQUIPMENT TO CONCRETE PAD USING HILTI HY200 EPOXY AND TORQUE IN ACCORDANCE WITH ESR-3187.

TRANSFORMER - FOUNDATION FOR DRY TYPE 7 E402
NTS

trilogy
2055 PINE STREET, REDDING, CA 96001
t: 530.243.3000
www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT
MARK R. VAN DEBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER
KRISTIN MITCHELL
PACE ENGINEERING
RENEWAL 12-31-2026
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: I75% CD

SHEET NO.

E402

ELECTRICAL DETAILS

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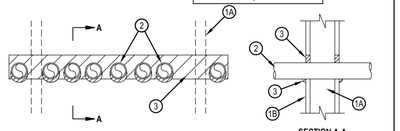
WL 1389

System No. W-L-1389

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Items 1 and 3)
L Rating at 400 F — 4 CFM/sq ft	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 5.1 L/s/m2
	L Rating at 204 C — 20.3 L/s/m2



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-5/8 in. (92 mm) wide steel studs spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners, as specified in the individual Wall and Partition Design. Max height of opening is 3-1/2 in. (89 mm). Max width of opening is 32 in. (813 mm).
   The hourly F, FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — Multiple pipes or conduits installed in single layer array within the firestop system. The annular space between the pipes and conduits and the edges of the opening shall be min 0 in. (point contact) to max 1-3/8 in. (35 mm). The separation between pipes and conduits to be a min 0 in. (point contact) to a max 1-1/4 in. (32 mm), except that for L Rating, the minimum separation between penetrants shall be 1/2 in. (13 mm). Pipes and conduits to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
3. Fill Void or Cavity Materials* - Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to completely fill annular space between pipes, conduits and gypsum flush with each surface of wall. Min 1/2 in. (13 mm) diam bead of fill material applied to the through penetrant/wall interface at the point contact locations on both sides of the wall. The 2 hour F, FH Ratings apply only when FS-ONE Sealant is used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — Hilti CP 606 Flexible Firestop Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

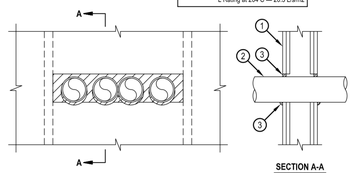
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. November 15, 2017

FIRE STOP - CONDUIT PENETRATIONS 1 / E403
NTS

WL 1408

System No. W-L-1408

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0 and 1/4 Hr (See Item 1)	FT Ratings —0 and 1/4 Hr (See Item 1)
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400 F — 4 CFM/sq ft	FTH Ratings — 0 and 1/4 Hr (See Item 1)
	L Rating at Ambient — Less Than 5.1 L/s/m2
	L Rating at 204 C — 20.3 L/s/m2



1. Wall Assembly — The 1 and 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-5/8 in. (92 mm) wide steel studs spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Thickness, type, number of layers and fasteners, as specified in the individual Wall and Partition Design. Max area or opening is 114 in.2 (735 cm2) with max height of 5 in. (127 mm) and max width of 23 in. (584 mm).
   The hourly F, FH Ratings of the firestop system are equal to the hourly rating of the wall. The hourly T, FT, FTH Ratings of the firestop system is 0 hr and 1/4 hr when installed in 1 hr and 2 hr fire rated wall assemblies, respectively.
2. Through Penetrants — Multiple pipes or conduits installed in single layer array within the firestop system. The annular space between the pipes and conduits and the edges of the opening shall be min 0 in. (point contact) to max 1 in. (25 mm). The separation between pipes and conduits to be a min 0 in. (point contact) to a max 1-1/2 in. (38 mm), except that for L Rating, the minimum separation between penetrants shall be 1/2 in. (13 mm). Pipes and conduits to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 4 in. (102 mm) diam (or smaller) rigid steel conduit or steel electrical metallic tubing (EMT).
3. Fill Void or Cavity Materials* - Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to completely fill annular space between pipes, conduits and gypsum flush with each surface of wall. Min 1/2 in. (13 mm) diam bead of fill material applied to the through penetrant/wall interface at the point contact locations on both sides of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. November 14, 2017

EZ Path® FIRE RATED PATHWAY

INSTALLATION SHEET
Series 44+ Fire Rated Pathway
EZD44S/EZD44S2
EZDP44S/EZDP44S2

GENERAL - READ COMPLETELY BEFORE INSTALLING

EZPATH® Series 44+ can be installed in a variety of different applications through the use of different accessories. This sheet provides installation information for wall applications. The pathway (device) consists of a heavy gauge galvanized steel channel with detachable lid. Other accessories such as multigang wall brackets, floor plates, or multi-gang floor brackets must be ordered separately and are covered under separate installation sheets.

ZIS1050 - 0576

FIG.1

FIG.2

CREATING THE OPENING (This device may be installed through either rectangular or round openings.)

Gypsum Board Walls (Rectangular Openings)

1. Locate suitable area of the wall to penetrate making sure that there are no studs, wires, pipes, or other obstructions located within the wall.
2. Mark a rectangular opening nominally 4-5/8" (118 mm) high by 4-1/8" (105 mm) wide. Make sure opening is square and plumb. The inside of the wall plates may be used as a template (See Fig. 1).
3. Using a keyhole saw, cut gypsum wallboard (See Fig. 2). Cutting to the outside of the line will produce a slightly oversized opening. Mark and cut opposite side of the wall, exercising care to align both openings. Insert pathway and check for fit. Remove pathway.
4. Install pathway per instructions below.

Gypsum Board Walls (Round Openings)

As an alternate to the rectangular opening, using a hole saw, cut a 6" (152 mm) diameter opening in both sides of the wall.

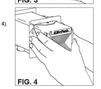
Concrete or Masonry Walls (Rectangular or Round Openings)

Cut or form a rectangular opening nominally 4-5/8" (118 mm) high by 4-1/8" (105 mm) wide or core drill a 6" (152 mm) diameter round opening.

INSTALLING PATHWAY USING WALL PLATES

Pathway is installed through wall and attached using wall plates to sandwich the wall. Installation of single devices require no attachment; however, pre-drilled holes are provided for optional attachment if desired.

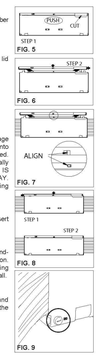
1. If necessary, pre-install required set screws in wall plates.
2. Install a wall plate around pathway making sure that set screw flanges are facing towards the end of the device. NOTE: Position plate so that the stamping on the plate aligns with the lid of the raceway. Adjust position of plate to accommodate for thickness of wall (Fig. 3). This will center the pathway within the wall. When properly adjusted, tighten set screws to lock plate onto pathway.
3. Place one of two provided intumescent gaskets around opposite end of pathway and carefully slide it back to fit snugly against back side (wall side) of plate.
4. Insert pathway through wall (with the stamping facing upwards) using previously installed wall plate and gasket as a stop (See Fig. 4).
5. Moving to the opposite side of the wall, install remaining gasket around pathway and slide toward wall.
6. Install remaining wall plate around pathway (with the stamping facing upwards) and slide it toward wall surface. While pulling pathway toward you, push wall plate and gasket tightly to wall and tighten set screws. Check pathway for excessive play. If pathway appears to be loose or can easily be moved, readjust wall plates as necessary to tighten pathway firmly against wall.



REMOVING LID TO FACILITATE INSTALLATION AROUND EXISTING CABLES

Pathway lid is removed to allow device to be installed around existing cable bundles. Use Catalog Number EZP544W or EZP144F and follow instructions provided with product to ensure compliant installation.

1. Cut label at seam of pathway on both sides and place pathway on a flat surface with the lock at center of pathway facing up (See Fig. 5).
2. Push down slightly on the channel below the lock, slide lid to the left to deactivate lock and remove lid (See Fig. 6).
3. Cut and remove elastic band wrapped around intumescent pads and remove top intumescent pad.
4. Place pathway channel around cables.
5. Replace intumescent pad within lid and align slot in lid over channel lock (See Fig. 7).
6. Slide slot in lid over channel lock to full extent and slide pathway lid to the right to reactivate lock (See Fig. 8).
7. Install pathway per instructions above.



INSTALLING or PULLING CABLES

A resilient liner provides an adjustable seal within the pathway. Liner must be protected from damage while adding or removing cables. Wrap cable ends with a suitable low friction tape before inserting into the pathway. Where cable lubricants are used, low solids, water-based products are recommended. This device is designed to be fully functional at all cable loadings from completely empty to visually filled and cables should easily slide through the pathway using minimal effort. IF RESISTANCE IS ENCOUNTERED, DO NOT FORCE CABLES OR CABLE BUNDLES THROUGH THE PATHWAY. DAMAGE MAY RESULT. Upper curved liner may be depressed if necessary when inserting cables using a flat, smooth implement and removing after cables are installed.

GROUNDING

At the option of the installer, this pathway may be grounded. After pathway has been installed, insert ground screws where indicated (See Fig. 9).

WALL LABELING

Wall labels are provided with the pathway as well as wall plate kits. Larger orange colored label is intended to be used to identify the pathway installer as well as to provide applicable UL System information. Smaller secondary labels are included with multi-gang wall brackets as an optional method for identifying or marking cable types, uses, or trades. Two sets of labels are provided for marking both sides of wall.

MAINTENANCE

No maintenance of the pathway is normally required. Interior of device should be inspected before and after any modifications to cable bundle. If any damage to intumescent pads lining top and bottom of the pathway is found, contact the factory to determine if replacement is required.

Important Notice: All statements, technical information, and recommendations contained herein are based upon testing believed to be reliable, but the accuracy and completeness thereof is not guaranteed.
LIMITED WARRANTY: STI warrants that its products will be free of defects for one year from the date of purchase. In the event a product does not conform to this warranty, the sole and exclusive remedy is, at STI's option, replacement of the product or refund of the purchase price. The warranty provided herein shall be void and of no effect in the event that the product is not installed in accordance with STI's published instructions, listed systems and applicable building and safety codes. THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS AND EXPRESSED OR IMPLIED WARRANTIES (including the implied warranties of merchantability or fitness for a particular use) AND UNDER NO CIRCUMSTANCES SHALL STI BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING, WITHOUT LIMITATION, ANY LOSS OF REVENUE, PROFIT OR USE. Prior to use, the user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability for subsequent use. No person other than an officer of STI is authorized to bind STI to any other warranty for any product for which this warranty is issued.

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Specified Technologies STI. Inc.

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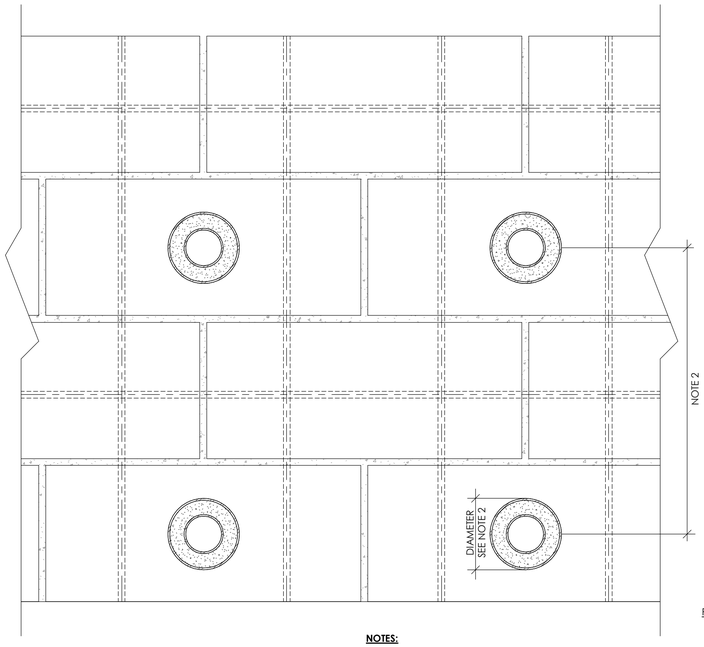
US Toll Free: (800) 992-9900 • Fax: (800) 992-9920 • 1-908-526-9900
www.stifirestop.com

FIRE STOP - EX-PATH THROUGH RATED WALL 2 / E403
NTS



PENETRATION THROUGH FIRE RATED ASSEMBLY

NOTES:

1. SCAN WALLS PRIOR TO CORING. EXISTING REBAR SHALL NOT BE DAMAGED.
2. PENETRATIONS SHALL BE SPACED 3 TIMES THE WIDTH OF THE OUTDOOR DIAMETER OF ANY CORE.

SLEEVE - CORE THROUGH CONRETE MASONRY UNIT 4 / E403
NTS

3M™ Fire Barrier Moldable Putty Pads MPP+

Product Data Sheet

FIRE BARRIER — 4 HR — ASTM E814 — UL 1479
SMOKE SEAL — L — ASTM E814 — UL 1479
WALL OPENING — 2 HR
SOUND BARRIER — STC 52 — ASTM E90
FM APPROVED — SUBJECT TO THE CONDITIONS OF APPROVAL AS A WALL & FLOOR PENETRATION FIRESTOP SYSTEM INSTALLED AS DESCRIBED IN THE CURRENT APPROVAL GUIDE FOR THIS APPROVAL GUIDE
cULus LISTED — FILL, VOID OR CAVITY MATERIALS - WOOD — WALL OPENING PROTECTIVE MATERIALS - ASSEMBLY RATING OF 4 HR — CLASSIFICATION GIVE THE FIRE RESISTANCE DIRECTORY #XHEA
CLASSIFIED UL — FILL, VOID, OR CAVITY FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS — SEE UL FIRE RESISTANCE DIRECTORY

1. Product Description

3M™ Fire Barrier Moldable Putty Pads MPP+ are a one-part, ready-to-use, intumescent wall-opening protective. When properly applied to the back of electrical outlet boxes, 3M™ Fire Barrier Moldable Putty Pads MPP+ help control the spread of fire, smoke and noxious gases through fire-resitive walls and partitions. Installed in accordance with the UL wall-opening protective listing (UL Category CLIV), the product helps achieve up to 2-hour ratings in a variety of wall constructions. 3M™ Fire Barrier Moldable Putty Pads MPP+ can effectively provide protection for back-to-back electrical boxes.

3M™ Fire Barrier Moldable Putty Pads MPP+ are also used as a firestop material in through-penetration firestop systems. 3M™ Fire Barrier Moldable Putty Pads MPP+ help to maintain a firestop penetration seal for up to 4 hours. 3M™ Fire Barrier Moldable Putty Pads MPP+ exhibit excellent adhesion to a full range of construction substrates and penetrants. The pads are easily molded by hand (no mixing required). In addition to its fire-resistant properties, the 1/10th in. (2.54mm) thick pads have airborne sound reduction characteristics which helps minimize sound transmission through assemblies requiring an STC rating.

Color: ■ Dark Red

Product Features

- Firestop tested up to 4 hours in accordance with ASTM E 814 (UL 1479) & CAN/ULC-S115
- Wall opening protective tested up to 2 hours in accordance with UL 263
- Provides draft and cold smoke seal
- Pliable and conformable — molds easily into required shape
- Helps reduce noise transfer*
- Excellent adhesion
- Re-entrable/repairable
- Halogen-free and solvent-free
- Excellent aging properties
- Low VOC
- Will not dry out or crumble
- Red color widely recognized as a fire protective product

4 in. x 8 in. (101.6mm x 203.3mm), 7 in. x 7 in. (177.8mm x 177.8mm) and 9.5 in. x 9.5 in. (241.2mm x 241.2mm) pad sizes available.

Meets the intent of LEED® VOC regulations—helps reduce the quantity of indoor air contaminants that may be odorous, irritating and harmful to the comfort and well-being of the installers and occupants.

* Minimizes noise transfer—STC-Rating of 52 when tested in STC 53-rated wall assembly.

2. Applications

4 in. x 8 in. (101.6mm x 203mm) 3M™ Fire Barrier Moldable Putty Pads MPP+ are typically used as a wall opening protective to meet building requirements, for protection of membrane penetrations made by listed steel or non-metallic electrical boxes. It is also used to seal gaps between cables in multiple penetrations (including fiber optic inner duct) and to firestop cable bundles, insulated pipe, electrical conduit and metal pipe. Larger sized pads, 7 in. x 7 in. and 9.5 in x 9.5 in. (177.8mm x 177.8mm and 241.2mm x 241.2mm) are widely used to firestop metallic and non-metallic electrical outlet boxes up to 14 in. x 4.5 in. by 2-1/2 in. (355.6mm x 114.3mm x 63.5mm) deep. For larger applications, pads can be molded together by hand.

3. Specifications

3M™ Fire Barrier Moldable Putty Pads MPP+ shall be a one component, ready-to-use, intumescent elastomer capable of expanding a minimum of 5 times at 1000°F. The material shall be thixotropic and shall be applicable to overhead, vertical and horizontal firestops. Under normal conditions, 3M™ Fire Barrier Moldable Putty Pads MPP+ shall be nonconrosive to metal and compatible with synthetic cable jackets. The putty shall be listed by independent test agencies such as UL. Intertek or FM. 3M™ Fire Barrier Moldable Putty Pads MPP+ shall be tested to and pass the criteria of ASTM E 814 (UL 1479) Standard Test Method for Fire Tests of Penetration Firestop Systems and CAN/ULC S115 Standard Method of Fire Tests of Firestop Systems. 3M™ Fire Barrier Moldable Putty Pads MPP+ meets the requirements of the IBC, NFPA 5000, NEC (NFPA 70), NFPA 101 and NCB (Canada) Building Codes.

Typically Specified MasterFormat (2004)
Section 07 84 00 – Firestopping

Related Sections
Section 07 84 16 – Annular Space Protection
Section 07 86 00 – Smoke Seals
Section 07 87 00 – Smoke Containment Barriers
Section 07 27 00 – Thermal and Moisture Protection Firestopping
Section 21 00 00 – Fire Suppression
Section 26 00 00 – Electrical

For technical support relating to 3M™ Fire Protection Products and Systems, call: 1-800-328-1687
For more information on 3M™ Fire Protection Products, visit: www.3M.com/firestop

4. Performance & Typical Physical Properties

Color:	Dark Red
Nominal Density:	10–12 lbs./gal. (1.2–1.45kg/L)
Nominal Thickness:	1/10 in. (2.54mm)
Surface Burning (ASTM E 84):	Flame Spread 0, Smoke Development 0
Heat Expansion:	Begins at 350°F (177°C) Significant at 400°F (204°C) Free Expansion is Nominal 3 times
STC (ASTM E 90 and ASTM E 413):	52 when tested on back-to-back
Tested in STC 53 rated wall assembly	electrical boxes
VOC Less H2O and Exempt Solvents:	< 250g/L

Dimensions:	4 in. x 8 in. x 1/10 in. (101.6mm x 203.2mm x 2.5mm)
Unit Volume:	2.52 in.³ (41.4cm³)
Unit Weight:	2.7 oz (76g)
Dimensions:	7 in. x 7 in. x 1/10 in. (177.8mm x 177.8mm x 2.5mm)
Unit Volume:	4.63 in.³ (76.0cm³)
Unit Weight:	4.1 oz (116g)
Dimensions:	9.5 in. x 9.5 in. x 1/10 in. (241.3mm x 241.3mm x 2.5mm)
Unit Volume:	6.1 in.³ (139.8cm³)
Unit Weight:	7.6 oz (215g)

5. Packaging, Storage, Shelf Life

Packaging: Corrugated cardboard box with liner between individual pads.

Storage: 3M™ Fire Barrier Moldable Putty Pads MPP+ should be stored indoors in dry conditions.

Shelf Life: 3M™ Fire Barrier Moldable Putty Pads MPP+ shelf life is indefinite in original unopened containers. Product will not dry or crumble in opened containers. Normal stock and stock rotation practices are recommended.

6. Installation Techniques

Consult a 3M Authorized Fire Protection Products Distributor / Dealer or Sales Representative for Applicable UL, Intertek or other third-party drawings and system details.

Preparatory Work: The surface of the electrical box, or opening and any penetrating items should be cleaned (i.e. free of dust, grease, oil, loose materials, rust or other substances) to allow for the proper adhesion of the 3M™ Fire Barrier Moldable Putty+ Pad. Ensure that the surface of the substrates are not wet and are frost-free.

Installation Details: Electrical boxes must be firestopped under the following conditions: boxes larger than 16 sq. in. (103 sq. cm), if horizontal spacing between boxes is less than 24 in. (609.6mm), when multiple boxes are located in one stud cavity or if the aggregate of all boxes exceeds 100 sq. in. per 100 sq. ft. (645 sq. cm. per 9.29 sq. m) – refer to listed system details and applicable local building code requirements. For electrical box installations, a minimum of 1/10 in. (2.5mm) thick putty application is required. 3M™ Fire Barrier Moldable Putty Pads MPP+ are to be installed to completely cover the exterior of the outlet box (except for the side against the stud). To firestop penetrations, install the applicable depth of backing material (if required), remove the desired amount of putty from the pad, form (if necessary) and install as detailed within the listed system. Make sure that putty is in complete contact with the substrate and penetrating item(s).

Note: Partial pads can be pieced together and the seams between partial pads should overlap a minimum of 1/8 in. with the seams worked with the fingertips to create adhesion at the seam.

Limitations: Over application (i.e., using excessive amount of material) of product to vertical surfaces may cause sagging, follow system details. Product is not impaired by freezing but should be warmed to 32°F (0°C) before applying.

7. Maintenance

No maintenance is expected when installed in accordance with the applicable UL, Intertek, FM or other third-party listed system. Once installed, if any section of the 3M™ Fire Barrier Moldable Putty Pad MPP+ is damaged, the following procedure will apply: remove damaged putty, clean the affected area and install the proper thickness of putty, ensuring it bonds to the substrate and adjacent putty (product from damaged area can be reused if it is free from contaminants). Putty can be molded together at new/existing putty overlap.

8. Availability

3M™ Fire Barrier Moldable Putty Pads MPP+ are available from 3M Authorized Fire Protection Products Distributors and Dealers. 3M™ Fire Barrier Moldable Putty Pads MPP+ are available in the following sizes: (10 pads/pack, 10 pads/case) 4 in. x 8 in. x 1/10 in. (101.6mm x 203.2mm x 2.5mm), (20 pads/case) 7 in. x 7 in. 1/10 in. (177.8mm x 177.8mm x 2.5mm), (20 pads/case) 9.5 in. x 9.5 in. 1/10 in. (241.3mm x 241.3mm x 2.5mm); red-colored firestop material. For additional technical and purchasing information regarding this and other 3M Fire Protection Products, please call: 1-800-328-1687 or visit www.3M.com/firestop.

9. Safe Handling Information

Consult product's Material Safety Data Sheet (MSDS) from country-of-use prior to handling and disposal.

3M

Industrial Adhesives and Tapes Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-328-1687
877-369-2923 (Fax)
www.3M.com/firestop

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FIRE STOP 3M PUTTY PADS 3 / E403
NTS

trilogy
2055 PINE STREET REDDING, CA 96001
www.trilogyarch.com
t: 530.243.3000

ARCHITECT'S STAMP

LICENSED ARCHITECT MARK R. VAN DEBERG BID SET RENEWAL DATE STATE OF CALIFORNIA

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER KEITH M. BOYD No. M-29440 CIVIL STATE OF CALIFORNIA

PACE® ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: **23-APRIL-2026**
ISSUE: I75% CD

SHEET NO.

E403

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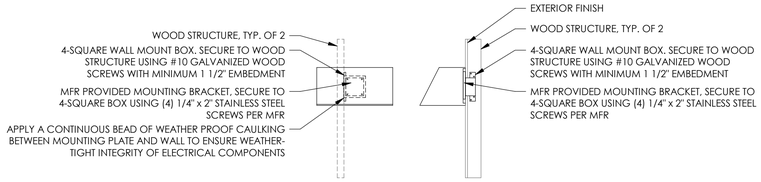
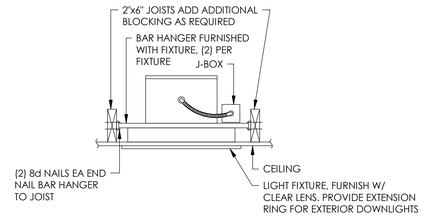
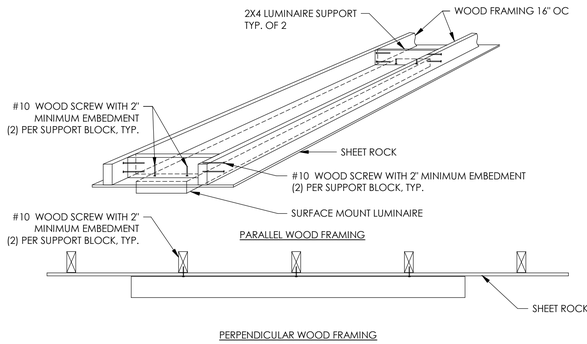


EXTERIOR LIGHTING - LUMINAIRE WALL ATTACHMENT TO WOOD — 1 / E404
NTS



INTERIOR LIGHTING - DOWNLIGHT IN ANCHORED TO WOOD — 2 / E404
NTS

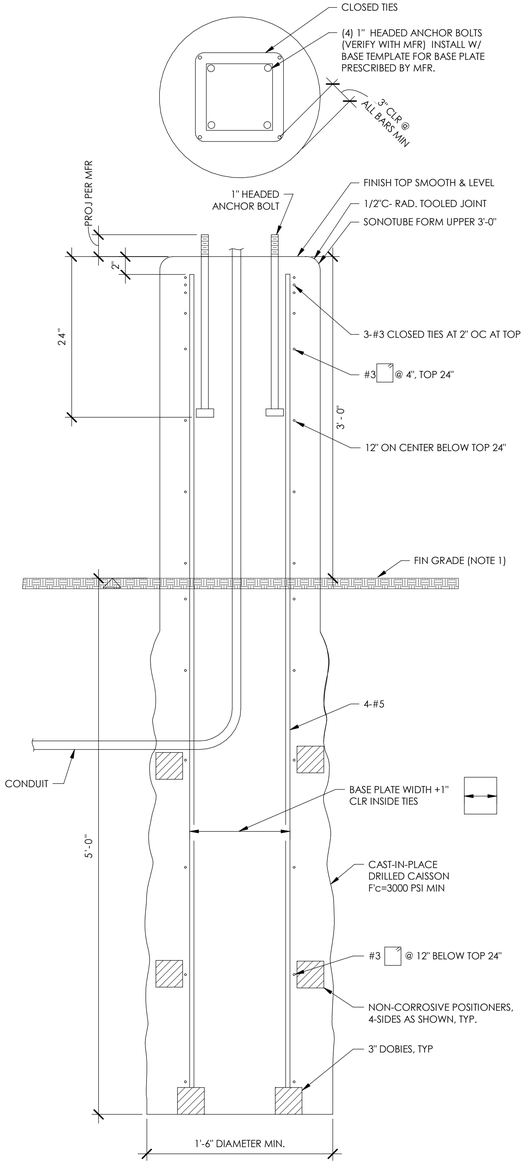


INTERIOR LIGHTING - LINEAR SURFACE MOUNT TO WOOD — 3 / E404
NTS

NOTES:

1. CONCRETE MIX SHALL HAVE MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI, WATER-CEMENT RATIO OF 0.50, AND TOTAL AIR CONTENT OF 4%-6%.

EXTERIOR LIGHTING - BOLLARD LIGHT FOUNDATION — 4 / E404
NTS

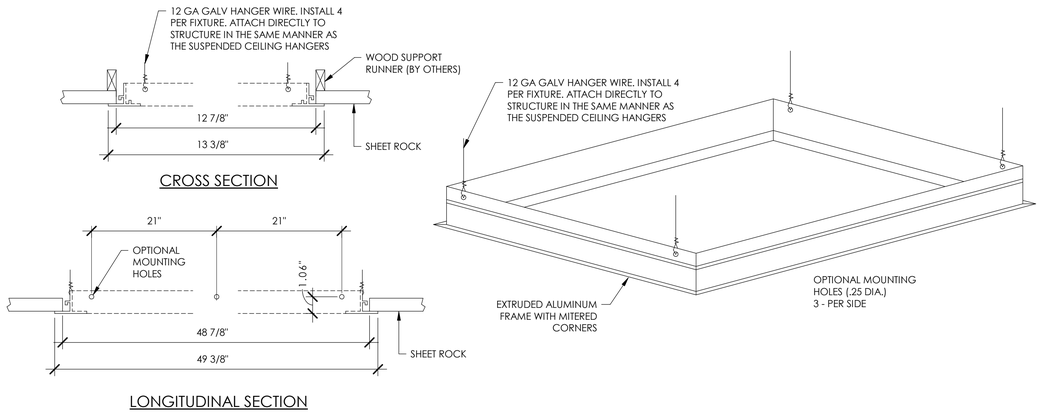


FOUNDATION SHALL BE EMBEDDED INTO UNDISTURBED ORIGINAL GROUND OR ENGINEERED FILL DEPTH INDICATED. CONTACT ENGINEER IF ACTUAL CONDITIONS VARY FROM THIS DETAIL.

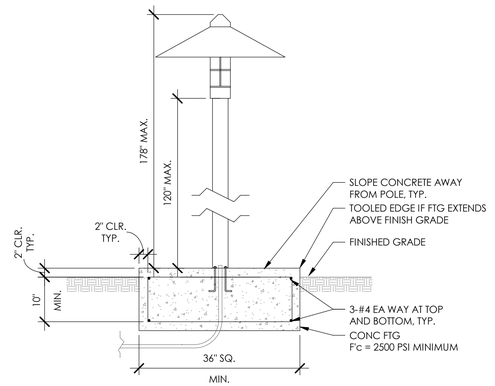
NOTES:

1. FOUNDATION SHALL BE EMBEDDED INTO UNDISTURBED ORIGINAL GROUND OR ENGINEERED FILL DEPTH INDICATED. CONTACT ENGINEER IF ACTUAL CONDITIONS VARY FROM THIS DETAIL.
2. CONTRACTOR TO VERIFY ANCHOR BOLT PATTERN WILL FIT WITHIN REBAR TIES. CONTACT ENGINEER FOR OTHER CONDITIONS.
3. REBAR ASTM A615 GR 60.
4. CONCRETE SHALL COMPLY WITH GREENBOOK CLASS 560-C-3250.
5. LIGHT POLE IS NOT PART OF THE DSA STRUCTURAL SAFETY APPROVAL.

EXTERIOR LIGHTING - POLE LIGHT HIGH FOUNDATION — 7 / E404
NTS



INTERIOR LIGHTING - TROFFER RECESSED IN GYPSUM — 5 / E404
NTS



EXTERIOR LIGHTING - PATHWAY LIGHT FOUNDATION — 6 / E404
NTS

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2055 PINE STREET REDDING, CA 96001
t: 530.243.3000
www.trilogyarch.com

ARCHITECT'S STAMP

LICENSED ARCHITECT — KARIE R. VAN DEBERG — RENEWAL DATE — STATE OF CALIFORNIA
BID SET

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER — KRISTEN MITCHELL — PRELIMINARY — NOT FOR CONSTRUCTION — RENEWAL DATE — STATE OF CALIFORNIA
PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

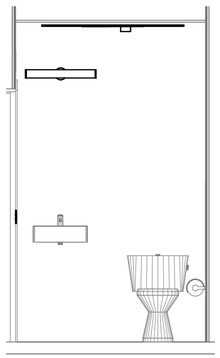
REV #	DESCRIPTION	DATE

PROJECT NO.	C1276
DATE:	**23-APRIL-2026**
ISSUE:	I75% CD

SHEET NO.

E404

ELECTRICAL DETAILS



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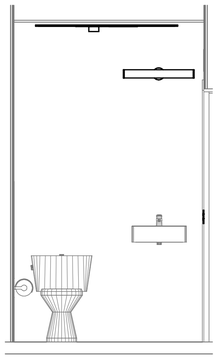

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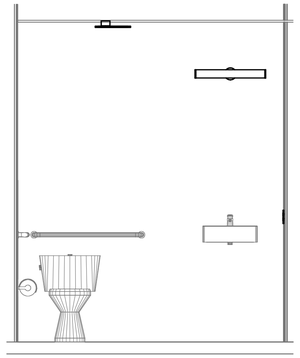

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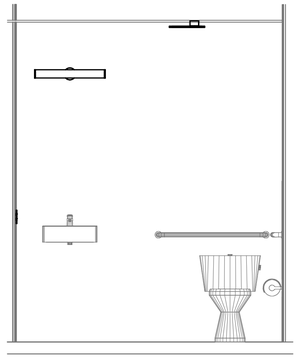

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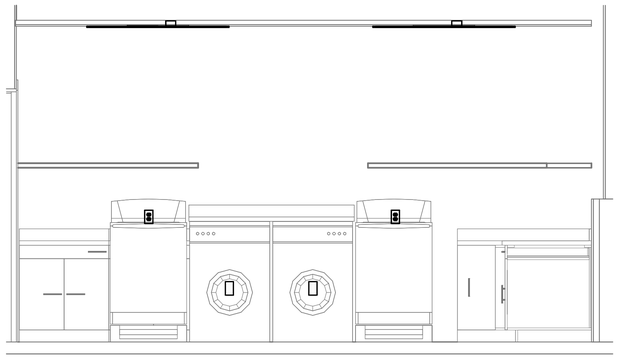

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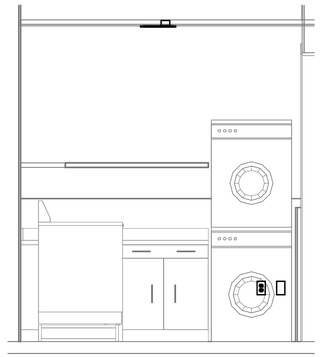

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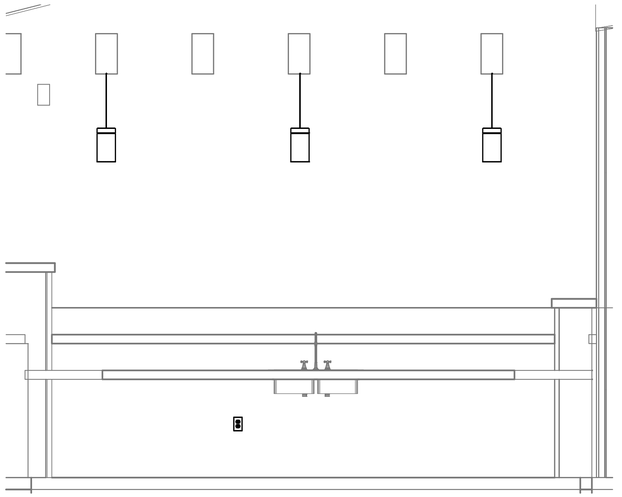

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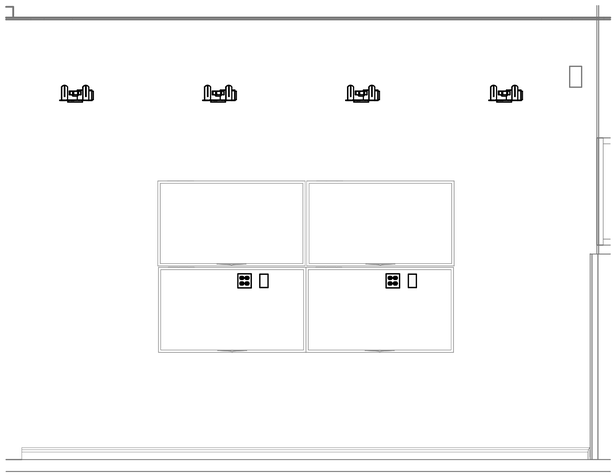

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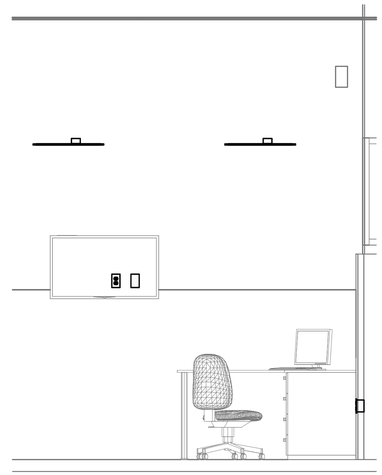

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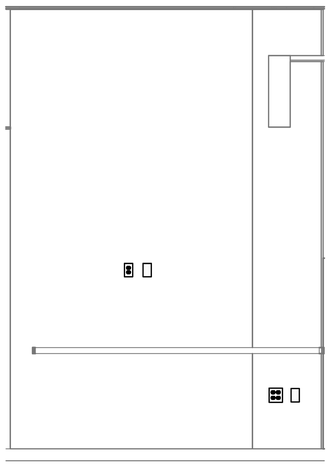

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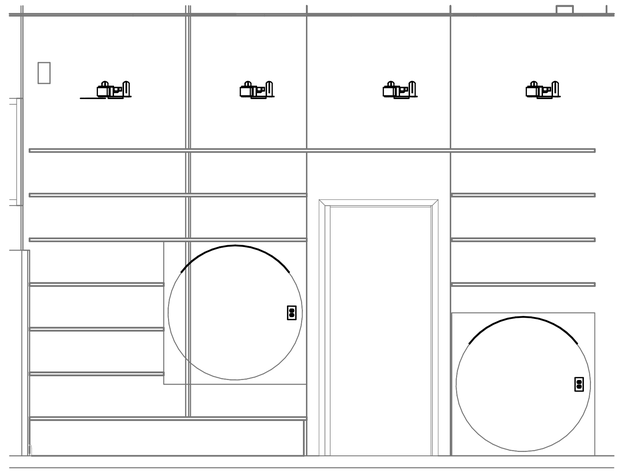

Section 11 (11 / E501)
1/2" = 1'-0"

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LICENSED ARCHITECT
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RENEWAL DATE
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ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER
KRISTIN WITCHER
ELECTRICAL
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

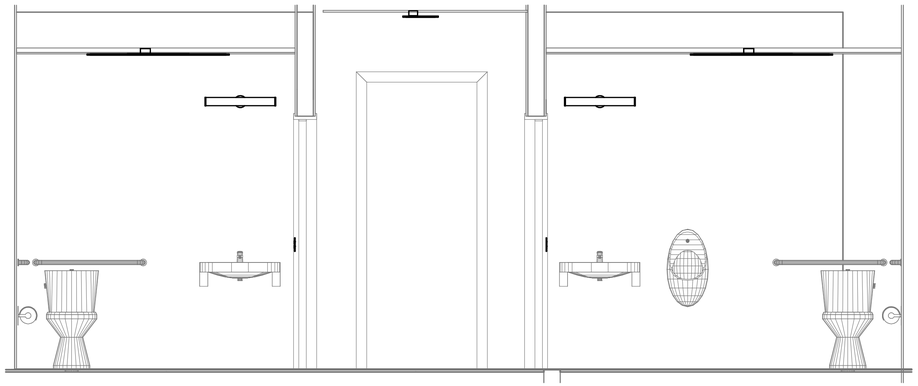
REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: **23-APRIL-2026**
ISSUE: !75% CD

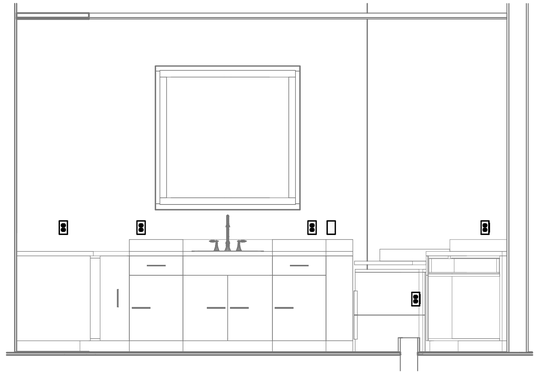
SHEET NO.

E501

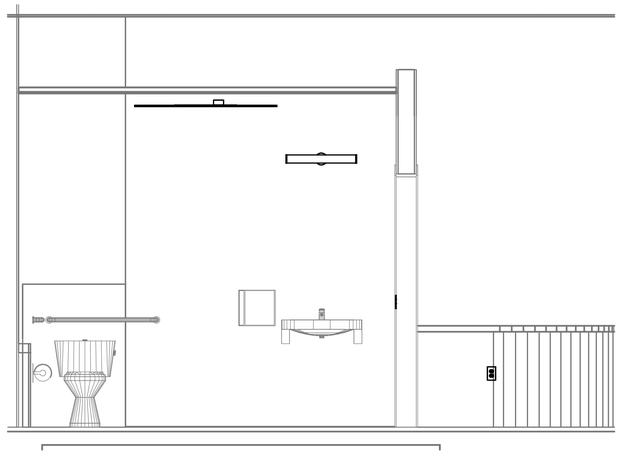
ELECTRICAL SECTIONS AND ELEVATIONS



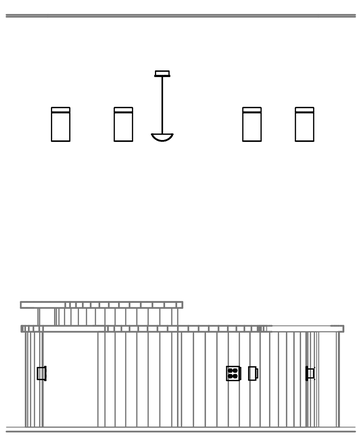
Section 12 (1/E502)
1/2" = 1'-0"



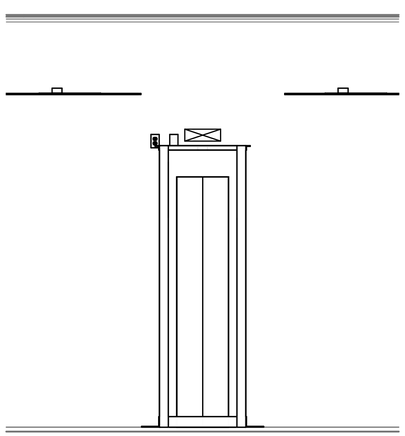
Section 13 (2/E502)
1/2" = 1'-0"



Section 14 (3/E502)
1/2" = 1'-0"



Section 15 (4/E502)
1/2" = 1'-0"



Section 16 (5/E502)
1/2" = 1'-0"

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PACE ENGINEERING

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E502

ELECTRICAL SECTIONS AND ELEVATIONS

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E601

TITLE 24 INDOOR COMPLIANCE DOCUMENTS

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E602

TITLE 24 OUTDOOR COMPLIANCE DOCUMENTS

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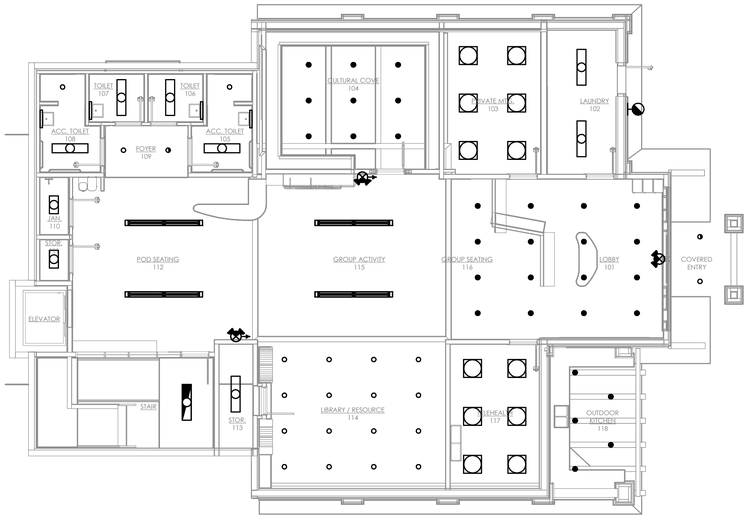
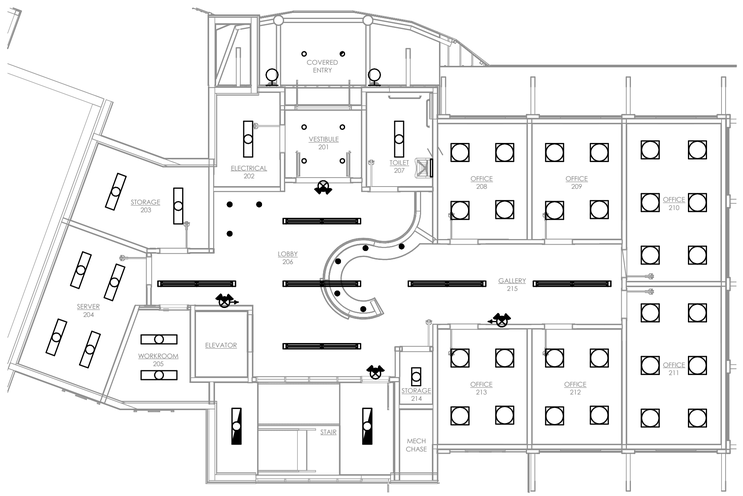
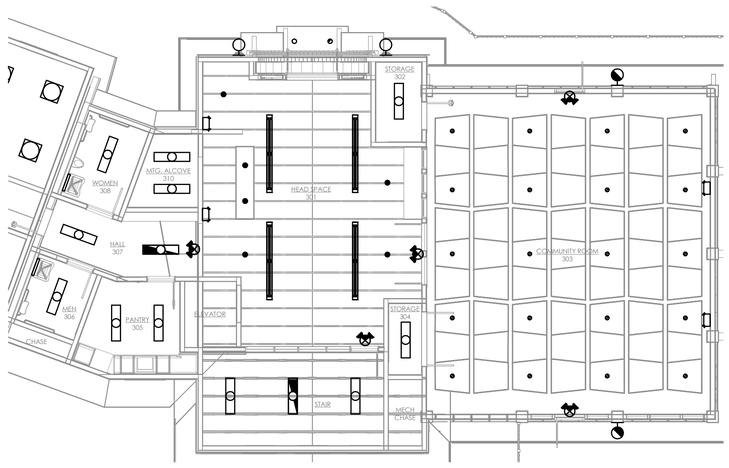


DAYLIT PLAN - GROUND FLOOR 1 / E604
1/8" = 1'-0"



DAYLIT PLAN - SECOND FLOOR 2 / E604
1/8" = 1'-0"



DAYLIT PLAN - THIRD FLOOR 3 / E604
1/8" = 1'-0"

DAYLIT/SKYLIT ZONE LEGEND

PRIMARY DAYLIT ZONE

SECONDARY DAYLIT ZONE

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DAYLIT ZONE PLANS

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FIRE ALARM MONITORING NOTE

ALL AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. THE SUPERVISING STATION SHALL BE LISTED IN CATEGORIES UUFX OR UUJS BY UNDERWRITERS LABORATORIES, OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. A STATEMENT THAT SUPERVISION WILL BE PROVIDED, AND SHALL BE VERIFIED BY THE PROJECT INSPECTOR PRIOR TO CLOSE OUT, IS REQUIRED ON PLANS SUBMITTED TO THE AHJ.

FIRE ALARM SYSTEM NOTES

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT IF THE SYSTEM, HAS BEEN APPROVED BY THE AHJ.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT INSPECTOR AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. FIRE MARSHALL, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.8.2.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
24. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
25. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

FIRE ALARM RECORDS CABINET

1. EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
2. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS."
3. ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
4. CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
5. WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
6. SYSTEM DOCUMENTS AS APPLICABLE:
7. RECORD DRAWINGS/ASBUILTS.
8. EQUIPMENT CUT SHEETS AND CA CSFM LISTING.
9. ALTERNATIVE MEANS AND METHODS.
10. PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
11. SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
12. EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8).
13. EVALUATION DOCUMENTATION (NFPA 72, 7.3.9).
14. RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
15. SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

FIRE ALARM SPECIFICATION SCHEDULE

28 43 13.28	- SURGE PROTECTION FOR FIRE ALARM CIRCUITS
28 46 21.11	- ADDRESSABLE FIRE-ALARM SYSTEMS

NOTE: REFER TO THE PROJECT MANUAL WHICH CONTAINS THE SPECIFICATION SECTIONS LISTED ABOVE. CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL REQUIREMENTS WITHIN THE PLANS AND SPECIFICATIONS.

FIRE ALARM SYMBOLS AND NOTES

EQUIPMENT

- FACP - FIRE ALARM CONTROL PANEL
- ANNC - ANNUNCIATOR

SIGNAL LINE DEVICES

- S - SMOKE DETECTOR
- H - HEAT DETECTOR

SIGNAL LINE MODULES

- M - MONITOR MODULE
- R - R - RELAY WITH CONTACTORS
- IM - IM - ISOLATION MODULE
- P - P - PULL STATION

FIRE ALARM ACCESSORIES

- END OF LINE RESISTOR
- SPD - SURGE PROTECTION DEVICE

NOTIFICATION APPLIANCES

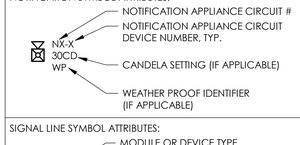
CEILING MOUNT	WALL MOUNT	
		HORN
		HORN STROBE
		STROBE

RACEWAY AND CABLING

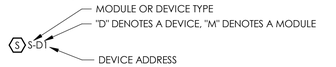
- SLC LOOP CONDUCTORS: #16 FPLR, SOLID TWISTED PAIR UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4".
- NAC CONDUCTORS: #14 SOLID PAIR, UL/CSFM LISTED AND APPROVED. CONDUIT TO BE SIZED PER CEC CHAPTER 9 AND NO LESS THAN 3/4".
- COMMUNICATION BUS CONDUCTORS: PER MFR, CONDUIT SIZED PER PLANS.

SYMBOL ATTRIBUTES

NOTIFICATION SYMBOL ATTRIBUTES:



SIGNAL LINE SYMBOL ATTRIBUTES:



ANNOTATION

- 1 - KEYNOTE
- (A : B) - INDICATES INTERCONNECTION OF PATHWAYS OR CONDUCTORS, E.G., 4"C-4# 500,1#3G (MSB : PNL A) INDICATES CONDUIT AND CONDUCTORS ROUTED FROM THE MAIN SWITCHBOARD TO PANELBOARD A

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

FIRE ALARM ABBREVIATIONS

A	- AMMETER, AMPERE
AC	- ALTERNATING CURRENT
AFF	- ABOVE FINISHED FLOOR OR GRADE
ANNC	- ANNUNCIATOR
BRKR	- BREAKER
BOD	- BOTTOM OF DEVICE
C or COND	- CONDUIT
CBC	- CALIFORNIA BUILDING CODE
CKT	- CIRCUIT
COD	- CENTER OF DEVICE
CEC	- CALIFORNIA ELECTRIC CODE
CFC	- CALIFORNIA FIRE CODE
DC	- DIRECT CURRENT
(E) or EXIST	- EXISTING
ENC	- ENCLOSURE
EOL	- END OF LINE
(F)	- FUTURE
FACP	- FIRE ALARM CONTROL PANEL
G	- GROUND
J	- JUNCTION BOX
MFR	- MANUFACTURER
(N)	- NEW
NAC	- NOTIFICATION APPLIANCE CIRCUIT
NEC	- NATIONAL ELECTRIC CODE
NEMA	- NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
NFPA	- NATIONAL FIRE PROTECTION ASSOCIATION
PB	- PULLBOX
PNL	- PANELBOARD
SLC	- SIGNAL LINE CIRCUIT
SPD	- SURGE PROTECTION DEVICE/ARRESTOR
T	- TERMINAL
TOD	- TOP OF DEVICE
TS	- TAMPER SWITCH
TYP	- TYPICAL
V	- VOLTMETER, VOLT
VA	- VOLT AMP
W	- WATT
WP	- WEATHERPROOF (NEMA 3R)
XFMR	- TRANSFORMER

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

FIRE ALARM SCHEDULE

MANUFACTURER	MODEL	DESCRIPTION	CSFM#
SILENT KNIGHT	6820	FIRE ALARM CONTROL PANEL	7165-0559:0501
SILENT KNIGHT	5860R	ANNUNCIATOR	7165-0559:0135
SILENT KNIGHT	SK-MONITOR	MONITOR MODULE - STANDARD SIZE	7300-0559:0155
SILENT KNIGHT	SK-RELAY	RELAY MODULE	7300-0559:0155
SILENT KNIGHT	SK-PULL-SA	PULL STATION	7150-0559:0161
SILENT KNIGHT	SK-PHOTO-W	PHOTOELECTRIC SMOKE DETECTOR	7272-0559:0512
SILENT KNIGHT	SK-HEAT	HEAT DETECTOR 135F FIXED TEMPERATURE	7270-0559:0511
SILENT KNIGHT	SK-DUCT-W	DUCT SMOKE DETECTOR (EQUIPPED WITH SK-PHOTO-R-W)	3242-0559:0518
WHEELOCK	ELSTRC	CEILING STROBE	7135-0785:0504
WHEELOCK	ELSTR	WALL STROBE	7135-0785:0504
WHEELOCK	ELHSRC	CEILING HORN STROBE	7135-0785:0504
WHEELOCK	EL3RHN-NR	WP HORN	7300-0785:0166

COMPLY WITH APPLICABLE CODES

#	CODE
1.	2019 NFPA 72: FIRE ALARM AND SIGNALING CODE.
2.	2019 NFPA 110: EMERGENCY AND STANDBY POWER.
3.	2019 NFPA 111: STANDBY POWER SYSTEMS.
4.	2022 CALIFORNIA BUILDING CODE.
5.	2022 CALIFORNIA ELECTRIC CODE.
6.	2022 CALIFORNIA ENERGY CODE.
7.	2022 CALIFORNIA FIRE CODE.

FIRE ALARM SCOPE OF WORK

#	CODE
1.	PROVIDE AND INSTALL FIRE ALARM SYSTEM AS SHOWN AND DESCRIBED WITHIN PROJECT DRAWINGS AND SPECIFICATIONS.

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YUROK YOUTH CENTER
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WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
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REVISIONS

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ISSUE: 75% CD

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FA001

FIRE ALARM SCHEDULES

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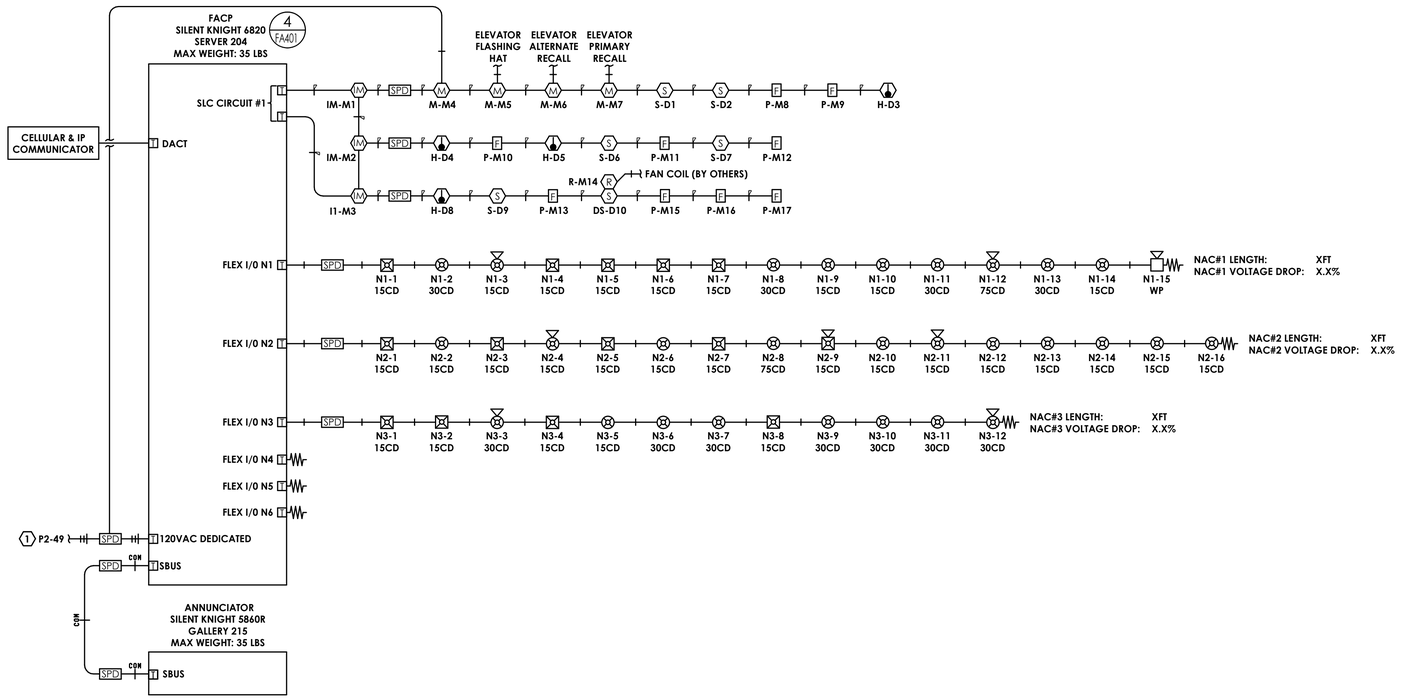

FIRE ALARM RISER DIAGRAM 1 FA002

KEYNOTES

#	NOTE
1.	PROVIDE AND INSTALL MECHANICALLY PROTECTED CIRCUIT BREAKER WITH RED MARKING PER NFPA 72, 10.6.5.2. FIRE ALARM CIRCUIT SHALL BE DEDICATED, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND LOCATION SHALL BE IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

GENERAL NOTES

#	NOTE
1.	IF MULTIPLE NOTIFICATION APPLIANCE CIRCUITS ARE PROVIDED WITHIN A SINGLE EVACUATION SIGNALING ZONE, ALL OF THE NOTIFICATION APPLIANCES WITHIN THE ZONE SHALL BE ARRANGED TO ACTIVATE OR DEACTIVATE SIMULTANEOUSLY, EITHER AUTOMATICALLY OR BY ACTUATION OF COMMON MANUAL CONTROL.
2.	NFPA 72 (2022) SEC. 18.4.10 VOICE INTELLIGIBILITY. WITHIN THE ACOUSTICALLY DISTINGUISHABLE SPACES (ADS) WHERE VOICE INTELLIGIBILITY IS REQUIRED, VOICE COMMUNICATIONS SYSTEMS SHALL REPRODUCE PRERECORDED, SYNTHESIZED, OR LIVE MESSAGES WITH VOICE INTELLIGIBILITY.
3.	NFPA 72 (2022) SEC. 24.3.2.1 ALL USERS OF SYSTEMS THAT HAVE MICROPHONES FOR LIVE VOICE ANNOUNCEMENTS SHALL BE PROVIDED WITH POSTED INSTRUCTIONS FOR USING THE MICROPHONE.
4.	NFPA 72 (2022) SEC. 7.7.2.1WITH EVERY NEW SYSTEM, A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES.
5.	NFPA 72 (2022) SEC. 7.7.2.3 ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET.
6.	NFPA 72 (2022) SEC. 7.7.2.5 THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS."
7.	NFPA 72 (2022) SEC. 7.5.6.2 A RECORD OF COMPLETION DOCUMENTATION {FIGURE 7.2(A)} SHALL BE COMPLETED BY THE INSTALLING CONTRACTOR AND SUBMITTED TO THE ENFORCING AUTHORITY (DSA/PROJECT INSPECTOR) AND THE OWNER (SCHOOL DISTRICT) AT THE CONCLUSION OF THE JOB. WHEN MORE THAN ONE CONTRACTOR HAS BEEN RESPONSIBLE FOR THE INSTALLATION, EACH CONTRACTOR SHALL COMPLETE THE PORTIONS OF THE DOCUMENTATION FOR WHICH THAT CONTRACTOR HAS RESPONSIBILITY.
8.	PROJECT INSPECTOR SHALL FIELD VERIFY THE CORRECT CANDELA SETTINGS ON STROBES DUE TO FIELD ADJUSTABILITY.
9.	SPEAKER WATTAGES ARE REFLECTED ON THE VOLTAGE DROP CALCULATION CHART. FIELD ADJUST SPEAKERS SETTINGS WITH SOUND METER TO 15dBA OVER AVERAGE AMBIENT NOISE LEVELS, ACCOUNTING FOR A LOSS OF 6dB EVERY 10'-0" FROM SOURCE.

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SET ISSUE DATES

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FIRE ALARM RISER DIAGRAM

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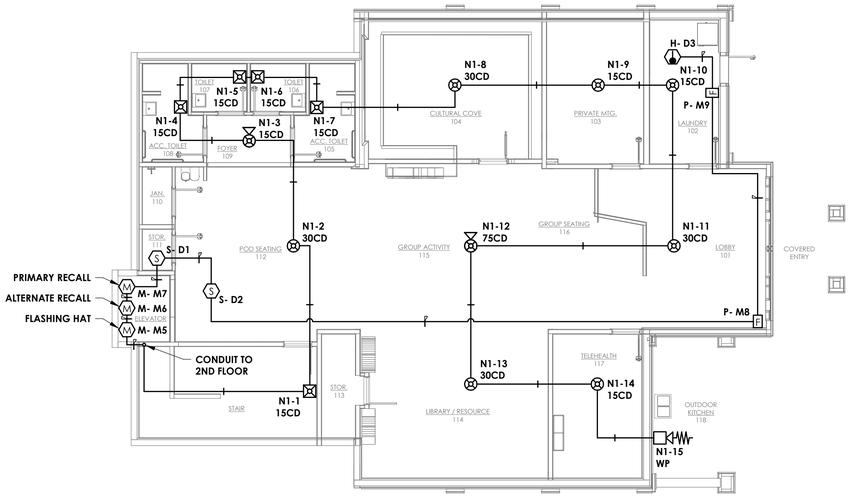
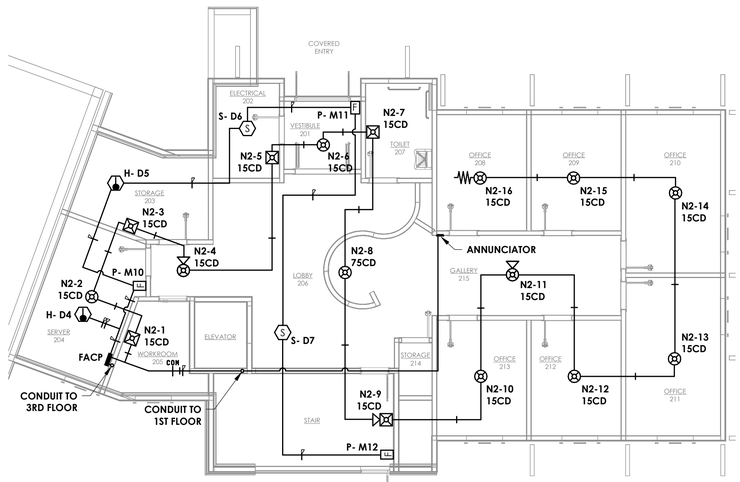
KEYNOTES

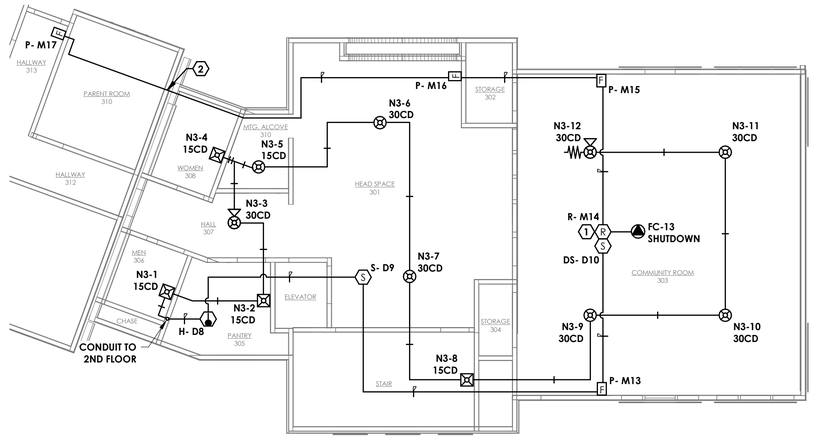
#	NOTE
1.	PROVIDE AND INSTALL DUCT SMOKE DETECTOR IN SUPPLY DUCT, DOWNSTREAM OF AIR FILTERS AND UPSTREAM OF ANY BRANCH DUCTS. ENSURE THE DUCT SMOKE DETECTOR IS PLACED IN A LOCATION WITH STRAIGHT, UNINTERRUPTED DUCTWORK. RELAY SHOWN SHALL BE INSTALLED INTEGRAL TO DUCT SMOKE DETECTOR AND INTERCONNECTED WITH RESPECTIVE FAN COIL SHUTDOWN.
2.	PROVIDE AND INSTALL 3-HOUR FIRE RATED PENETRATION FOR ALL CONDUITS THROUGH EXISTING BUILDING MASONRY WALL.



FIRE ALARM PLAN - GROUND FLOOR (1 / FA201)
1/8" = 1'-0"



FIRE ALARM PLAN - SECOND FLOOR (2 / FA201)
1/8" = 1'-0"



FIRE ALARM PLAN - THIRD FLOOR (3 / FA201)
1/8" = 1'-0"

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FIRE ALARM PLANS

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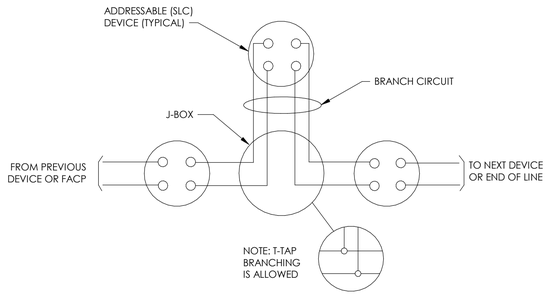


NOTE:
ALTHOUGH T-TAP BRANCHING IS PERMITTED, DO NOT EXCEED THE SYSTEM MAXIMUM T-TAPS FOR EACH DATA LOOP

NOTE:
WHERE SHIELDING IS REQUIRED, ALL SHIELDS SHALL BE TIED TOGETHER AND ISOLATED FROM GROUND.

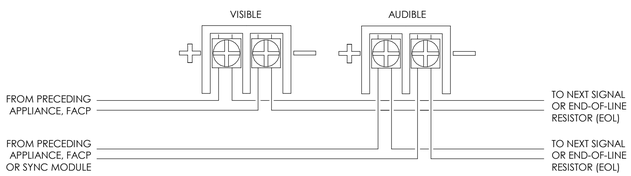
FIRE ALARM - ADDRESSABLE CIRCUIT WIRING (1 / FA401)
NTS

NOTE: INTERIOR HORNS SHALL HAVE TOP OF UNITS AT HEIGHTS ABOVE FINISHED FLOOR OF NO LESS THEN 90" AND BELOW THE FINISHED CEILING OF NO LESS THAN 6". EXTERIOR HORNS SHALL HAVE TOP OF UNITS AT HEIGHTS OF NO LESS THAN 90"

NOTE: STROBES SHALL HAVE BOTTOM OF LENS AT HEIGHTS ABOVE FINISHED FLOOR OF NO LESS THAN 80" AND NO GREATER THAN 96" TO TOP OF LENS.

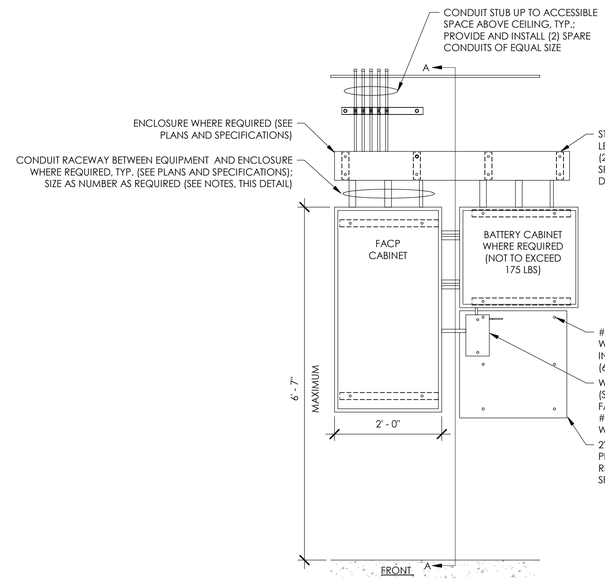
NOTE: MOUNT PULL STATIONS AT 48" ABOVE FINISHED FLOOR TO TOP OF ACTIVATING HANDLE PER CBC 907.4.2.2.

FIRE ALARM - DEVICE HEIGHT (2 / FA401)
NTS



NOTE: BREAK ALL IN-OUT WIRE RUNS ON SUPERVISED CIRCUITS TO ASSURE INTEGRITY OF CIRCUIT SUPERVISION. THE POLARITY SHOWN IN THE WIRING DIAGRAMS IS FOR OPERATION OF THE APPLIANCES.

FIRE ALARM - NOTIFICATION CIRCUIT WIRING (3 / FA401)
NTS



NOTE:

1. TYPICAL FIRE ALARM CABINET MAY VARY IN WIDTH AND LENGTH. THIS DETAIL SHALL ACCOUNT FOR LARGEST AND HEAVIEST CABINET AVAILABLE, BUT FASTENING AND ANCHORAGE SHALL BE USED EQUALLY FOR SMALLER CABINET CONFIGURATIONS.
2. MATCH MANUFACTURER KNOCKOUTS IN SIZE AND NUMBER FOR CONDUIT PENETRATIONS INTO THE FACP, FACU AND BATTERY CABINET (CABINET ENCLOSURE NEED NOT MAINTAIN LISTINGS). CONTRACTOR SHALL RETAIN ALL LISTINGS OF THESE CABINETS BY CONFORMING TO MANUFACTURER INSTALLATION REQUIREMENTS.
3. MATCH MANUFACTURER BOLT LOCATIONS IN SIZE AND NUMBER FOR MOUNTING CABINET TO STRUT CHANNEL SHOWN. WHERE MANUFACTURER REQUIRES A THIRD FASTENING LOCATION, PROVIDE ADDITIONAL STRUT CHANNEL AND FASTENERS. MATCH ADDITIONAL STRUT CHANNELS WITH OTHERS SHOWN (THIS DETAIL).
4. WHERE FIRE ALARM CONTROL UNITS ARE INTENDED TO BE ACCESSIBLE TO STAFF FOR CONTROL OF THE FIRE ALARM SYSTEM, THE MAXIMUM HEIGHT FOR ACCESSIBLE CONTROLS (KEYS, SWITCHES, ETC.) SHALL NOT EXCEED 4'-0" PER ADA STANDARDS.

FIRE ALARM CABINET (4 / FA401)
3/4" = 1'-0"

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PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER
YUROK TRIBE
23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

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FIRE ALARM DETAILS

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TECHNOLOGY SYMBOLS

GENERAL SYMBOLS	———	CONDUIT EXPOSED
	- - - - - - - - - -	CONDUIT CONCEALED or BURIED
	——→ LA-2	HOME RUN-DESTINATION SHOWN
	——⊃	CONDUIT DOWN
	——○	CONDUIT UP
		CONNECTION POINT
	1	KEYNOTE
		GROUND ROD
	FB	FLOOR BOX (D# INDICATES DATA DROPS, P# INDICATES TELEPHONE DROPS)
	▬▬	PLYWOOD BACKBOARD
AUDIO VISUAL & VIDEO SURVEILLANCE		RACEWAY, J-HOOK
		SPEAKER
		VIDEO PROJECTOR
		PROJECTION SCREEN
		CAMERA
		MICROPHONE
		TOUCH PAD
		CLOCK
TELECOMMUNICATION		TELECOM PORT (D# INDICATES DATA DROPS, P# INDICATES TELEPHONE DROPS)
		WIRELESS ACCESS POINT
		DEMARCATION FOR ALL SERVICES
INTRUSION & ACCESS		KEYPAD
		CARD READER
		WIRELESS ACCESS CONTROL NODE
		BUTTON
		CONTROL PANEL
		DETECTOR
		GLASS BREAK SENSOR
		ELECTRONIC LOCK
		DOOR OR WINDOW CONTACT

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS.

TECHNOLOGY ABBREVIATIONS

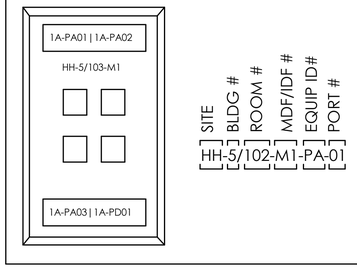
A	-AMPERE
AC	-ALTERNATING CURRENT
ACH	-ABOVE COUNTER HEIGHT
AFF	-ABOVE FINISHED FLOOR
ALM	-ALARM
ANT	-ANTENNA
AUD	-AUDIO
AV	-AUDIO VIDEO
BAT	-BATTERY
BOD	-BOTTOM OF DEVICE BOX
C	-CONDUIT
CAM	-CAMERA
CEC	-CALIFORNIA ELECTRIC CODE
CKT	-CIRCUIT
COD	-CENTER OF DEVICE BOX
CP	-COPIER
CT	-CURRENT TRANSFORMER
CTV	-CABLE TELEVISION
DAT	-DATA
DB	-DOOR BELL
DC	-DIRECT CURRENT
DISH	-DISH ANTENNA
DR	-DOOR RELEASE
(E)	-EXISTING
FB	-FLOOR BOX
G	-GROUND
GEN	-GENERATOR
IC	-INTERCOM
IG	-ISOLATED GROUND
IP	-INTERNET PROTOCOL
IR	-INFRARED
J or JBOX	-JUNCTION BOX
KPAD	-KEY PAD
LTG	-LIGHTING
MFR	-MANUFACTURER
MIC	-MICROPHONE
(N)	-NEW
NEMA	-NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
NTS	-NOT TO SCALE
OFCI	-OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	-OWNER FURNISHED, OWNER INSTALLED
PNL	-PANEL
PWR	-POWER
RCPT	-RECEPTACLE
RM	-ROOM
TOD	-TOP OF DEVICE BOX
TV	-TELEVISION
TYP.	-TYPICAL
V	-VOLT
VOIP	-VOICE OVER IP
WAP	-RADIO REPEATER OR WIRELESS ACCESS POINT
WP	-WEATHERPROOF

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

SYMBOL ATTRIBUTE CONVENTIONS

X 42" D2 COM-1	TOP LINE: MOUNTING TYPE, HEIGHT (COD UNO), # DROPS REFERENCE TYPE: SEE REFERENCE SCHEDULE

LABELING CONVENTIONS



MOUNTING TYPE ABBREVIATIONS

C	-CEILING
D	-DOOR
DF	-DOOR FRAME
DSK	-DESK
F	-FLUSH
FL	-FLOOR
G	-GROUND
H	-HIDDEN
M	-MULLION
O	-OUTDOOR
P	-PEDESTAL
RK	-RACK
R	-ROOF
REC	-RECESSED
S	-SURFACE
W	-WALL

NOTE: THIS IS A SUPPLEMENTAL STANDARD LEGEND. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS LEGEND AND NOT ON THE PLANS

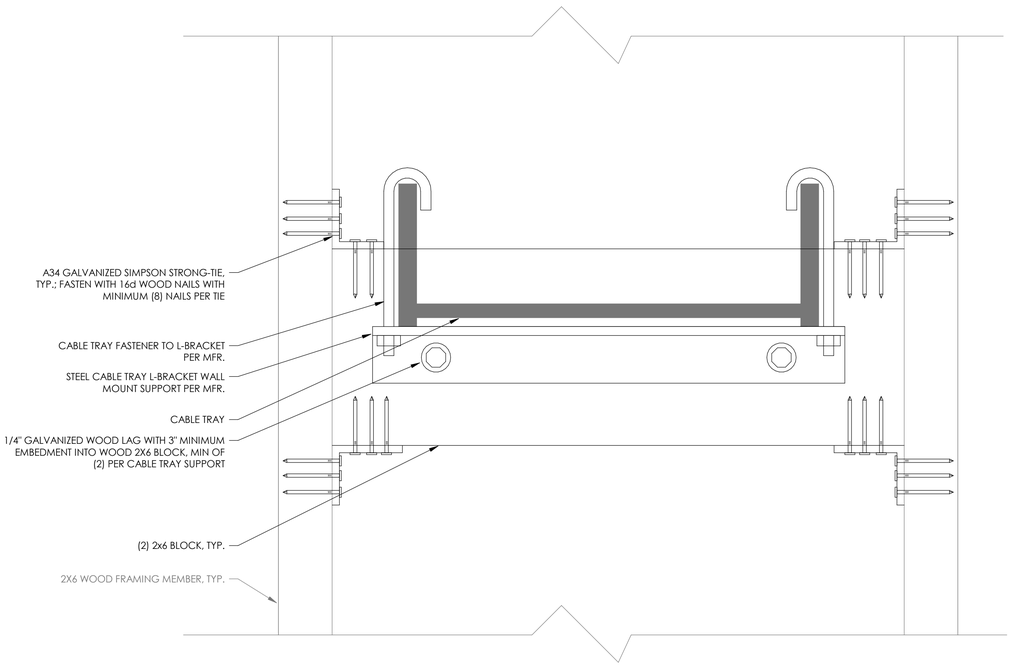
TECHNOLOGY SPECIFICATION SCHEDULE

27 05 28	- PATHWAYS FOR COMMUNICATIONS SYSTEMS
27 05 53	- IDENTIFICATION FOR COMMUNICATIONS SYSTEMS
27 11 00	- COMMUNICATIONS EQUIPMENT ROOM FITTINGS
27 11 16	- COMMUNICATIONS RACKS, FRAMES, AND ENCLOSURES
27 13 00	- COMMUNICATIONS BACKBONE CABLING
27 15 13	- COMMUNICATIONS COPPER HORIZONTAL CABLING
27 21 33	- WIRELESS ACCESS POINTS
27 41 16	- AUDIO VISUAL SYSTEMS
27 51 26	- ASSISTIVE LISTENING SYSTEMS
28 13 00	- ACCESS CONTROL
28 16 00	- INTRUSION DETECTION
28 23 00	- VIDEO SURVEILLANCE

NOTE: REFER TO THE PROJECT MANUAL WHICH CONTAINS THE SPECIFICATION SECTIONS LISTED ABOVE. CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL REQUIREMENTS WITHIN THE PLANS AND SPECIFICATIONS.

COMPLY WITH APPLICABLE CODES

#	CODE
1.	2022 CALIFORNIA BUILDING CODE.
2.	2022 CALIFORNIA ELECTRIC CODE.
3.	2022 CALIFORNIA ENERGY CODE.
4.	2022 CALIFORNIA FIRE CODE.
5.	EIA/TIA-549A, EIA/TIA-549B, EIA/TIA-549C



CABLE TRAY - ATTACHMENT TO WOOD WALL — 1 / T001

NTS

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PACE ENGINEERING

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TECHNOLOGY SCHEDULES

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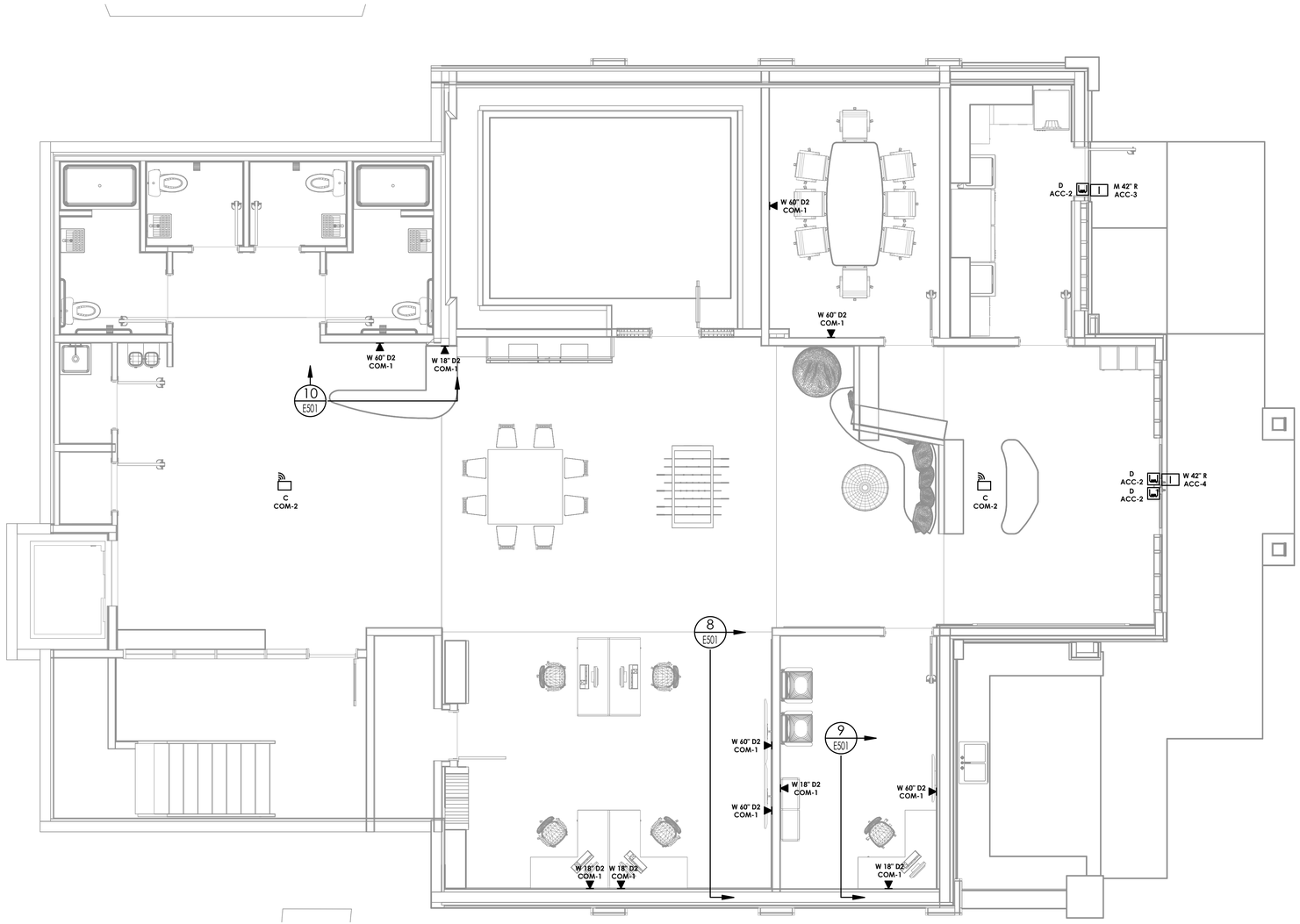

TECHNOLOGY PLAN - GROUND FLOOR
1/4" = 1'-0"

trilogy
2055 PINE STREET, REDDING, CA 96001
t: 530.243.3000
www.trilogyarch.com

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LICENSED ARCHITECT
KARIE R. VAN DEBERG
BID SET
RENEWAL DATE
STATE OF CALIFORNIA

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY
NOT FOR CONSTRUCTION
STATE OF CALIFORNIA

PACE ENGINEERING

PROJECT:

YUROK YOUTH CENTER

YUROK TRIBE

23001 CA HWY 96
WEITCHPEC CA 95546

SET ISSUE DATES

ISSUE	DATE
50% DD	14-JAN-2026
PROGRESS SET	30-MAR-2026
50% CD	03-APR-2026

REVISIONS

REV #	DESCRIPTION	DATE

PROJECT NO. C1276
DATE: 23-APRIL-2026
ISSUE: 75% CD

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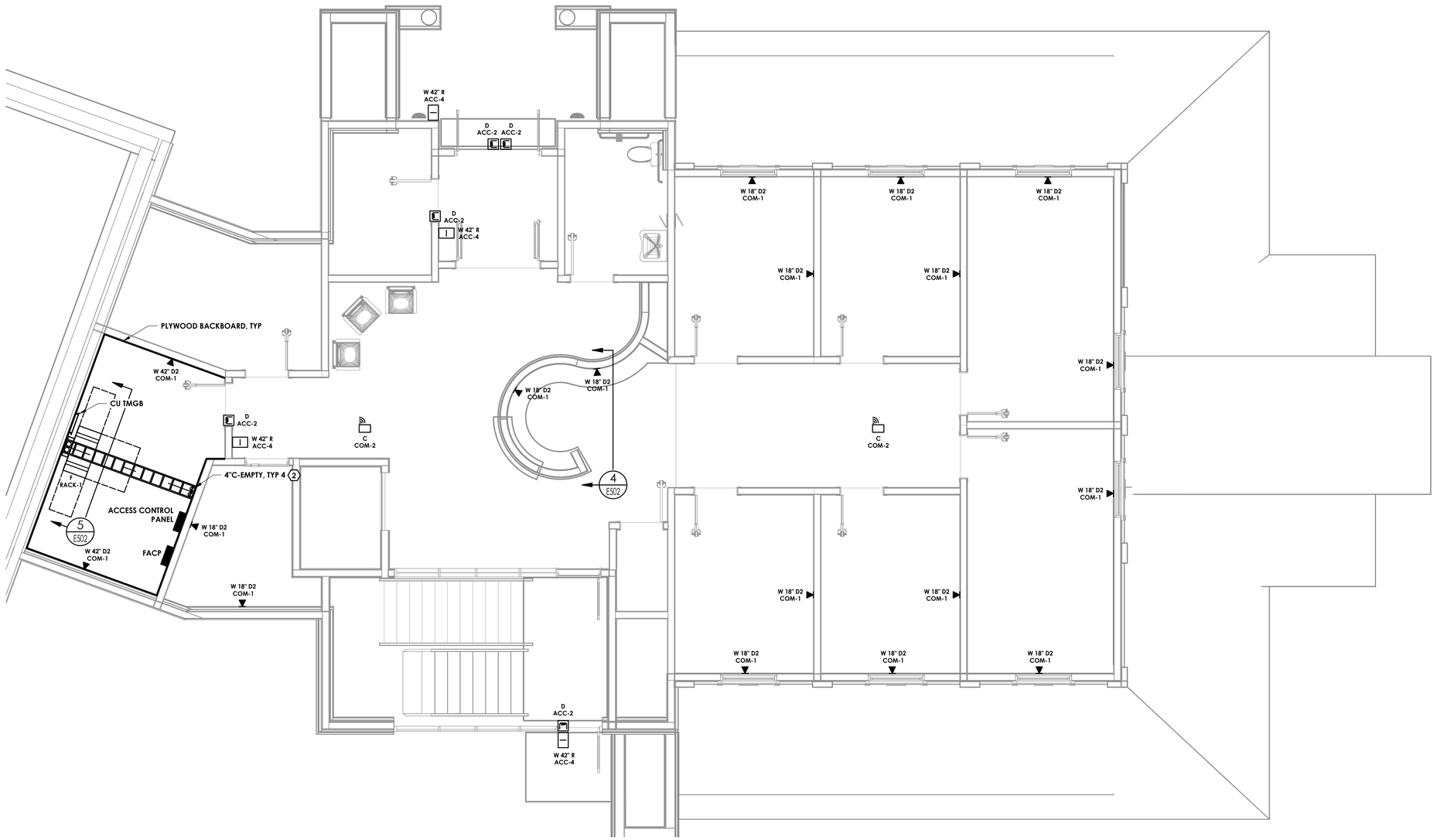
KEYNOTES

#	NOTE
1.	PROVIDE AND INSTALL (4) 4"C-EMPTY (2 CONDUIT EACH END) TO ACCESSIBLE CEILING SPACE FOR TECHNOLOGY CABLING.



TECHNOLOGY PLAN - SECOND FLOOR
1/4" = 1'-0"

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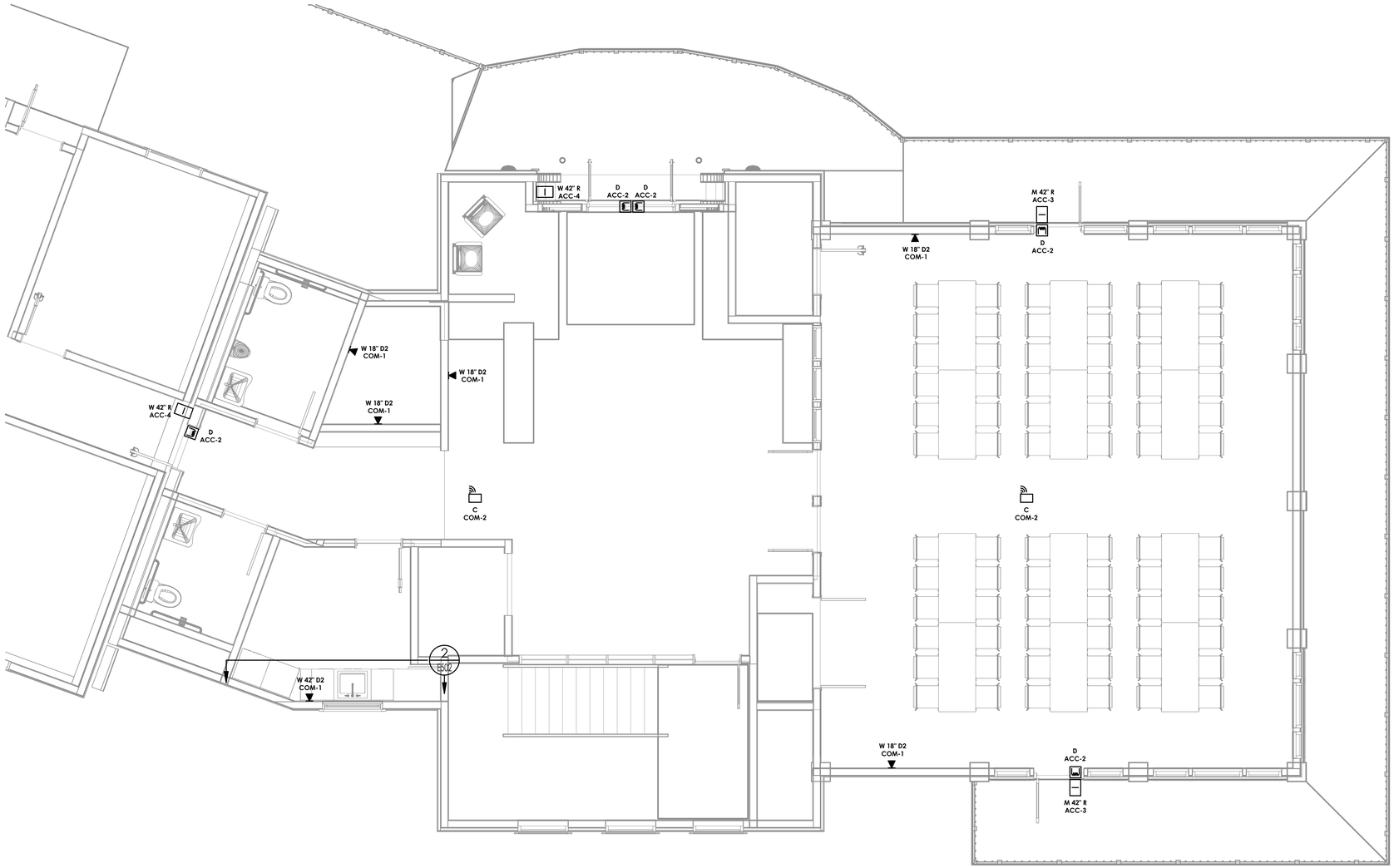

TECHNOLOGY PLAN - THIRD FLOOR
1/4" = 1'-0"

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REV #	DESCRIPTION	DATE

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TECHNOLOGY PLAN - THIRD FLOOR

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