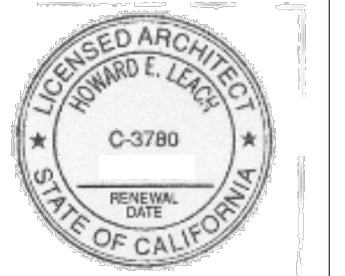


VALLE LINDO PARK RESTROOM REMODEL

5-8-19



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FIRE NOTES

- SHOP DRAWINGS OF THE AUTOMATIC FIRE ALARM SYSTEM SHALL BE SUBMITTED TO THE CITY OF VENTURA FOR REVIEW AND APPROVAL.
- FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED AS REQUIRED BY CFC CHAPTER 10
- THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760, CA. ELEC. CODE. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL DETAILED PLANS AND SPECS, INCLUDING SFM LISTINGNUMBERS FOR EACH COMPONENT, HAVE BEEN APPROVED BY THE COUNTY. UPON THE COMPLETION OF THE INSTALLATION, A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.
- SIGNS
 - ALL SIGNS SHALL HAVE LETTERS 1" HIGH MINIMUM, ALL CAPITALS, RAISED AND OF CONTRASTING COLOR TO SIGN BACKGROUND, AND SHALL MEET ALL ACCESSIBILITY AND TITLE 24 REQUIREMENTS. LETTER STYLE SHALL BE HELVETICA. SIGNS SHALL BE OF UV STABLE PLASTIC AND SHALL BE MOUNTED WITH SCREWS (TAMPER RESISTANT FOR EXTERIOR DOORS) AND SET IN SEALANT.
- SIAMESE CONSTRUCTION & PIV & HYDRANTS SHALL BE CONSTRUCTED ON A PAVED SURFACE (18" BEYOND ON ALL SIDES) AND SHALL BE OBSTRUCTED BY VEGETATION.
- FIRE ALARM SYSTEM MUST BE COMPLIANT WITH ACCESSIBILITY REQUIREMENTS.
- INTERIOR FINISHES MUST MEET FLAME SPREAD AND SMOKE DEVELOPMENT REQUIREMENTS OF CALIFORNIA BUILDING CODE, CHAPTER 8.
- FIRE DAMPER SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. MANUFACTURER'S SPECIFICATIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY. DETAILS SHOWN ARE FOR REFERENCE ONLY.
- ALL ELECTRICALLY CONTROLLED OR POWERED DOORS SHALL BE CAPABLE OF RELEASE BY A MANUAL-LOCKING DEVICE LOCATED AT A HEIGHT ON THE DOOR EASILY OPERABLE BY STAFF. ONE KEY SHALL BE ALL THAT IS REQUIRED TO UNLOCK DOOR(S) AND IT SHALL NOT BE NECESSARY TO USE LADDERS, STOOLS, OR SIMILAR EQUIPMENT TO REACH THE LOCKING DEVICE.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE AND NFPA 72.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY OR THEIR AUTHORIZED REPRESENTATIVES.
- PLEASE NOTE: ANY REFERENCE TO THE FIRE ALARM SYSTEM ON THESE PLANS, INCLUDING LOCATIONS OF DEVICES, HAVE NOT BEEN REVIEWED OR APPROVED BY THE COUNTY. ANY REFERENCE TO THE FIRE ALARM SYSTEM IS DEFERRED FOR APPROVAL BY THE COUNTY FOLLOWING RECEIPT OF DETAILED PLANS.
- BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE COUNTY TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND COMPLETELY TESTED IN ACCORDANCE WITH THE APPLICABLE CODES
- AUDIBILITY AND VISIBILITY OF NOTIFICATION OF NOTIFICATION APPLIANCES TO BE FIELD VERIFIED. RELOCATION OF APPLIANCES AND/OR ADDITIONAL APPLIANCES MAY BE BASED ON FIELD TESTING.
- THE FIRE ALARM SYSTEM AUDIBLE SIGNAL SHALL BE THREE-PULSE TEMPORAL PATTERN AS REQUIRED BY NFPA 72 SECTION 3-8.4.1.2.
- A DESCRIPTION OF THIS TEMPORAL PATTERN MAY BE FOUND IN NFPA 72 APPENDIX "A" SECTION A-3.8.4.1.2.

GENERAL NOTES

- ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE CITY BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE CITY SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING ALL DIMENSIONS.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION SITE.
- BIDDERS MUST VISIT THE BUILDING SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. DISCREPANCIES OR DELETIONS MUST BE BROUGHT TO THE ATTENTION OF THE CITY A.S.A.P. FOR CORRECTIONS BEFORE PROCEEDING WITH CONSTRUCTION.
- ANY DAMAGE DONE TO EXISTING IMPROVEMENTS DURING THE COURSE OF THIS WORK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE WITH NO ADDITIONAL COST TO THE CITY.
- MAINTAIN EXISTING, RELOCATE, OR PROVIDE NEW ACCESS AS REQUIRED FOR ALL CLEAN OUTS, JUNCTION BOXES, ACCESS OPENINGS, ETC.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE CITY.
- CONTRACTOR IS RESPONSIBLE AND SHALL BECOME FAMILIAR WITH ALL WORK UNDER THIS CONTRACT BEFORE COMMENCING THE DEMOLITION WORK. WORK SHALL INCLUDE REMOVAL OF ALL ITEMS NECESSARY TO ACCOMMODATE THE NEW CONSTRUCTION. WHERE EXISTING FINISHES REMAIN, SAW CUT IN A STRAIGHT LINE, AT EXISTING JOINTS AND PREVENT DAMAGE TO REMAINING MATERIALS.
- ALL WORK SHOWN ON PLANS IS NEW (N) TO BE INSTALLED BY CONTRACTOR UNDER THIS CONTRACT UNLESS NOTED EXISTING (E).
- ALL WORK SHOWN HERIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 2015 EDITION, AND ITS SUPPLEMENT. THE MODIFICATIONS TO THOSE STANDARD SPECIFICATIONS CONTAINED IN THE CONTRACT SPECIFICATIONS AND THE CITY OF SAN BUENAVENTURA STANDARD CONSTRUCTION DETAILS.
- IN ACCORDANCE WITH PROVISIONS OF CALIFORNIA PUBLIC CONTRACT CODE SECTION 3300, THE OWNER HAS DETERMINED THAT THE CONTRACTOR SHALL POSSESS A VALID CLASS A OR C-10 LICENSE AT THE TIME OF THE CONTRACT BIDS ARE OPENED. FAILURE TO POSSESS THE SPECIFIED LICENSE SHALL RENDER THE BID NON-RESPONSIVE AND SHALL ACT AS A BAR TO AWARD OF CONTRACT TO ANY BIDDER NOT POSSESSING SAID LICENSE AT THE TIME OF BID OPENING. THE CONTRACTOR SHALL PRESENT SATISFACTORY EVIDENCE THAT THEY AND THEIR SUBCONTRACTORS HAVE PAID THE BUSINESS LICENSE FEES OF THE CITY OF SAN BUENAVENTURA BEFORE ENTERING INTO A CONTRACT WITH THE CITY.
- PROVIDE (1) ADA COMPLIANT PORTABLE RESTROOM FOR ENTIRE PROJECT.

DRAWING INDEX

ARCHITECTURAL

- T1.00 - TITLE SHEET
- A1.00 - SITE PLAN
- A1.01 - DEMO PLAN
- A2.00 - PROPOSED FLOOR PLAN
- A2.01 - PROPOSED ROOF PLAN
- A3.00 - ACCESSIBILITY INFORMATION

PLUMBING

- P1.00 - PLUMBING NOTES / SCHEDULES
- P2.00 - PLUMBING DEMO PLANS
- P2.01 - PLUMBING FLOOR PLANS

ELECTRICAL

- E1.00 - ELECTRICAL NOTES / SYMBOLS
- E2.00 - ELECTRICAL DEMOLITION PLAN
- E2.01 - ELECTRICAL FLOOR PLAN
- E3.00 - ELECTRICAL PANEL SCHEDULES

PROJECT TEAM

ARCHITECT LEACH MOUNCE ARCHITECTS 1885 KNOLL DRIVE, VENTURA CA 93003 PROJ. MGR: MATT HUNTINGTON 805-656-3522	STRUCTURAL VINCI & ASSOCIATES 805.496-2100 x4
MECHANICAL / ELECTRICAL ENGINEER TURPIN AND RATTAN 2441 HONOLULU AVE, MONTROSE CA PROJ. MGR : KEN KRAUT 818-249-0444	

PROJECT DESCRIPTION

AN EXISTING PARK RESTROOM TO BE REMODELED INTO A MEN'S AND WOMAN'S RESTROOM. NEW PLUMBING WORK AND ELECTRICAL WORK. INFILL OF (E) CMU WALLS, NEW DOORS, NEW ROOF, INCLUSION OF SUN SHADES AND REPLACEMENT OF DAMAGED WOOD.

THERE IS AN ADDITIVE ALTERNATE FOR THE BIDDING OF THIS PROJECT - ALUMINUM SHADE DEVICES AS SHOWN IN THESE DOCUMENTS

PROJECT DATA

OCCUPANCY CLASSIFICATION: B

AREA OF WORK: APPROX. 505 SF

BUILDING SIZE: 505 SF

BUILDING CODE DATA

- 2016 BUILDING CODE
- 2016 ELECTRICAL CODE
- 2016 MECHANICAL CODE
- 2016 PLUMBING CODE
- 2016 ENERGY CODE
- 2016 CA. FIRE CODE
- 2016 CA GREEN BUILDING CODE
- TITLE 24, PART 2, CCOR
- ALL OTHER APPLICABLE LOCAL AND STATE CODES

DEMOLITION NOTES

- IN ALL AREAS THAT ARE PART OF THE SCOPE OF WORK UNDER THIS CONTRACT, THE CONTRACTOR IS TO REMOVE ALL MISC. MATERIALS AND ACCESSORIES FROM WALLS, FLOORS, AND CEILINGS INCLUDING BUT NOT LIMITED TO ELECTRICAL WIRING AND OUTLETS PER CODE AS REQUIRED TO INSTALL NEW FINISHES, MATERIALS AND EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND REPLACE ANY ITEMS DAMAGED AS A RESULT OF THE DEMOLITION AND/OR CONSTRUCTION PHASE.
- THE CITY SHALL HAVE THE FIRST RIGHT OF SALVAGE OF ITEMS SHOWN FOR DEMOLITION.
- REMOVE EXISTING FLOOR FINISHES, MASTIC, ETC. DOWN TO THE EXISTING SUB FLOOR WHERE REPLACEMENT FINISHES ARE INDICATED ON THE FINISH SCHEDULE.
- WHERE EXISTING, ABANDONED UTILITY PIPES ARE TO BE REMOVED, CAP OFF BELOW FINISH FLOOR, WITHIN WALL AND/OR ABOVE SUSPENDED CEILING AS NECESSARY AND PER CODE FOR PREPARATION OF NEW FINISHES.
- SEE SPECIFICATIONS, SECTION 02050 FOR OTHER ITEMS REGARDING SELECTIVE DEMOLITION.
- SEE ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION ITEMS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL CLEARANCES AND INSTALLATION REQUIREMENTS OF CONSTRUCTION ITEMS AGAINST EXISTING CONDITIONS. FOR DISPOSAL OF REMOVED MATERIALS SEE SPECIFICATIONS.
- CONTRACTOR SHALL BECOME FAMILIAR WITH AND BE RESPONSIBLE FOR ALL WORK UNDER THIS CONTRACT BEFORE COMMENCING THE DEMOLITION WORK. WORK SHALL INCLUDE REMOVAL OF ALL ITEMS NECESSARY TO ACCOMMODATE THE NEW CONSTRUCTION. WHERE EXISTING FINISHES REMAIN, WORK SHALL BE COMPLETED TO MAKE NEAT AND CLEAN TRANSITIONS AND TO PREVENT DAMAGE TO REMAINING/EXISTING MATERIALS.

CONSTRUCTION NOTES

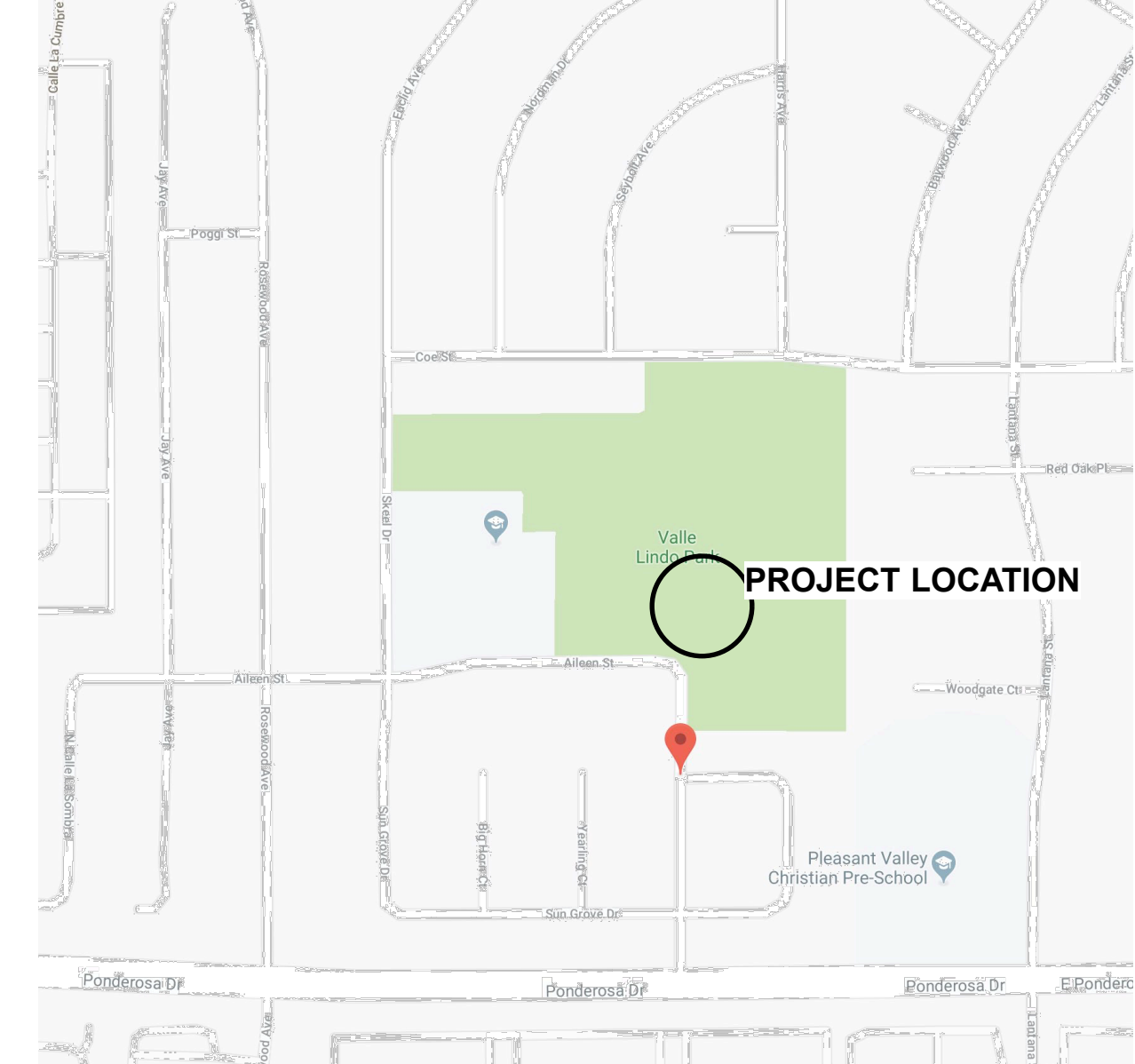
- CONTRACTOR SHALL VERIFY ALL MATERIALS AND EXISTING EQUIPMENT SIZES, MEANS OF INSTALLATION IN EXISTING SPACES, ROUTING, CONNECTION TO EXISTING CONDITIONS AND PROVIDE AN ALLOWANCE IN THE BID FOR ANY FIELD ADJUSTMENTS, ADDITIONAL COMPONENTS, REMOVAL OF EXISTING MATERIALS ETC., WHICH MAY BE NECESSARY TO ENSURE FULL AND PROPER INSTALLATION. PROVIDE INSTALLATION METHODS, TRIM, FINISHES ETC., COMPATIBLE WITH AND SIMILAR TO ORIGINAL INSTALLATION.
 - CONTRACTOR SHALL PATCH AND REPAIR ALL AREAS AFFECTED BY DEMOLITION, CONSTRUCTION AND REMODELING WORK WITH MATERIALS AND METHODS TO MATCH EXISTING. ALL WORK SHALL CONFORM WITH STANDARD TRADE PRACTICES AND APPLICABLE CODES.
 - PAINT OR REFINISH PATCHED SURFACES TO MATCH EXISTING. PROVIDE SURFACE TEXTURE TO MATCH EXISTING OR PROPERLY PREPARE SURFACES TO RECEIVE SCHEDULED FINISH MATERIAL.
 - THOROUGHLY CLEAN ALL AREAS AFFECTED BY CONSTRUCTION AND REMODELING WORK.
 - SEE ELECTRICAL PLANS FOR ALL ELECTRICAL INFORMATION.
 - SEE SPECIFICATIONS, PLANS AND SCHEDULES FOR ADDITIONAL GENERAL REQUIREMENTS.
 - IN-FILL OF EXISTING OPENINGS SHALL BE CONSTRUCTED SO THAT THE NEW SURFACE IS FLUSH WITH THE EXISTING ADJACENT SURFACES. FOR WORK AFFECTING AREAS OUTSIDE OF THE MAIN SCOPE OF WORK, MAINTAIN AS MUCH OF THE ORIGINAL FINISHES AS POSSIBLE, PATCH AND REPAIR FINISHES TO MATCH EXISTING.
 - CONTRACTOR AND CITY ARE TO CONFIRM LOCATION OF STAGING AND STORAGE AREAS PRIOR TO PLACEMENT OF JOB RELATED FENCING, EQUIPMENT, OR MATERIALS. NO EQUIPMENT PARKING.
 - CONTRACTOR SHALL SET UP STAGING AREA, INCLUDING MATERIAL STORAGE OFFSITE OR LOCATION AS DIRECTED BY THE CITY. WORK VEHICLES MAY PARK IN THE APPROVED PARKING LOT DURING WORK HOURS, IN STALLS APPROVED BY CITY. WASTE SHALL BE HAULED OFFSITE AND DISPOSED DAILY IN ACCORDANCE WITH SPECIFICATIONS.
 - THIS IS AN ACTIVE PUBLIC BUS TRANSFER STATION AND ALL CAUTION SHALL BE TAKEN IN THAT REGARD.
 - CONTRACTORS WORK SHALL NOT IMPEDE IN THE OPERATION OF THE BUS STATION OR IN ANY WAY BLOCK OR IMPACT THE OPERATION OF THE ARRIVAL OR DEPARTURE OF THE BUSES OR THE PUBLIC ACCESS TO THE AREA.
- THIS PROJECT SHALL COMPLY WITH TITLE 24 AND 2013 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), AND CALIFORNIA ENERGY CODE (CEC).
- CONTRACTOR TO CONTACT KAREN SADLACEK (OR BELOW) ENVIRONMENTAL SERVICES SUPERVISOR 207-6371 PRIOR TO START OF PROJECT FOR PRE-CON MEETING.
- NO SWPCP WILL BE REQUIRED. CONTRACTOR SHALL CONTACT #667-6517, MARK JOHNSON PRIOR TO START OF WORK FOR A PRE-CONSTRUCTION MEETING.

BUILDING INFO.

OCCUPANCY: B (ANCILLARY)

CONSTRUCTION TYPE: V-B

PROJECT LOCATION MAP



CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY

SIGNATURE: _____ DATE: _____

DIRECTOR OF WATER AND SANITATION

SIGNATURE: _____ DATE: _____

PROJECT MANAGER

SIGNATURE: _____ DATE: _____

CONSULTANT

SIGNATURE: _____ DATE: _____

▲				
▲				
▲				
▲				
▲				
NO.	DATE	BY	DESCRIPTION	

DRAWN: MH CHECKED: HL

SPEC NO.

PROJECT No.

TITLE SHEET

SHEET

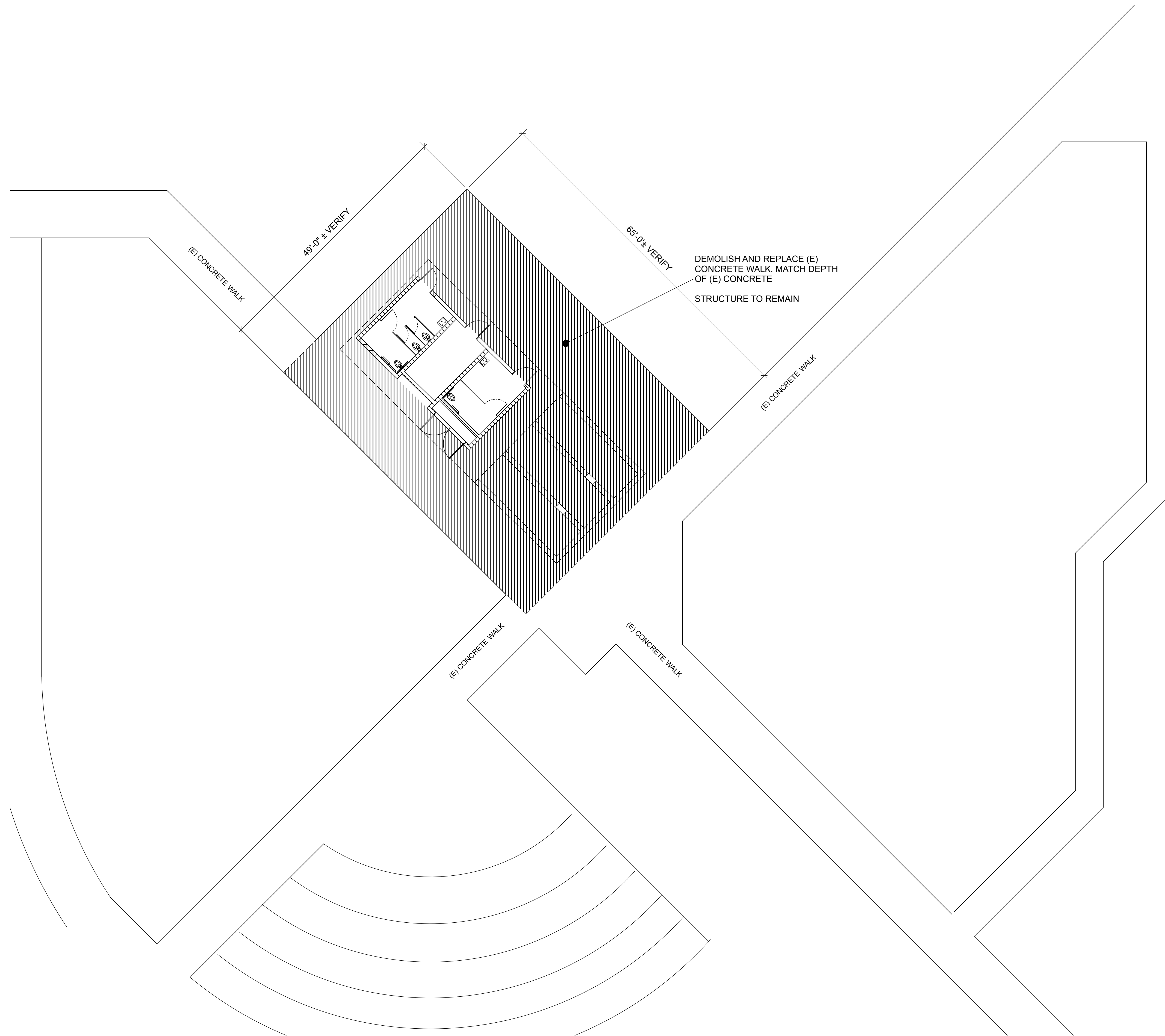
T 1.00



LEACH MOUNCE ARCHITECTS
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**CITY OF CAMARILLO
 VALLE LINDO PARK
 RESTROOM REMODEL**



DIRECTOR OF PUBLIC WORKS AGENCY
 SIGNATURE _____ DATE _____
 DIRECTOR OF WATER AND SANITATION
 SIGNATURE _____ DATE _____
 PROJECT MANAGER
 SIGNATURE _____ DATE _____

CONSULTANT

NO.	DATE	BY	DESCRIPTION

DRAWN: MH CHECKED: HL
 SPEC NO.
 PROJECT No.

SITE PLAN

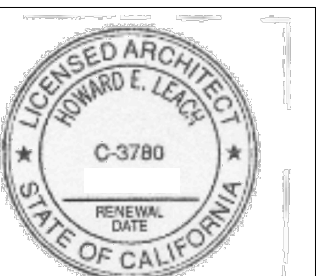
SHEET
A 1.00

1. SITE PLAN
 1"=10'-0"

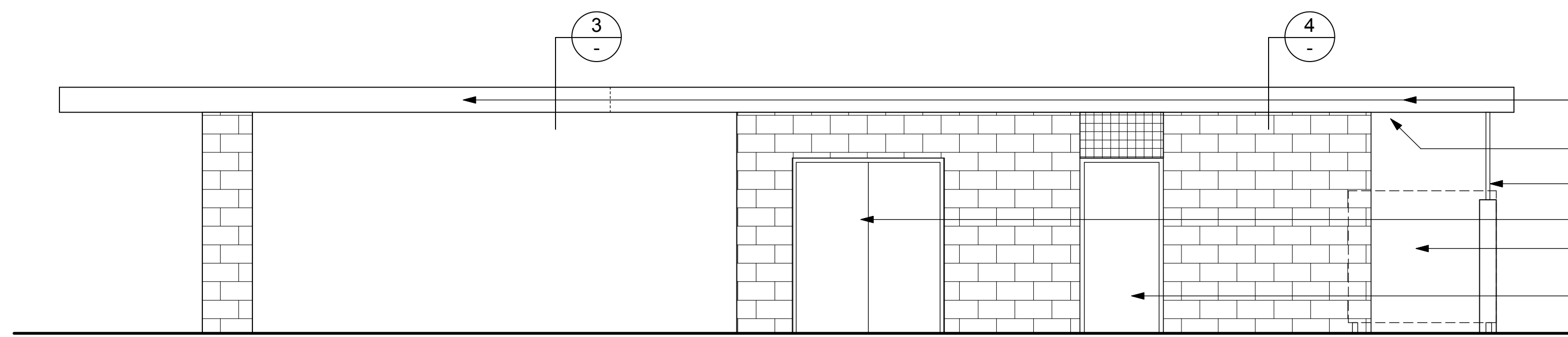


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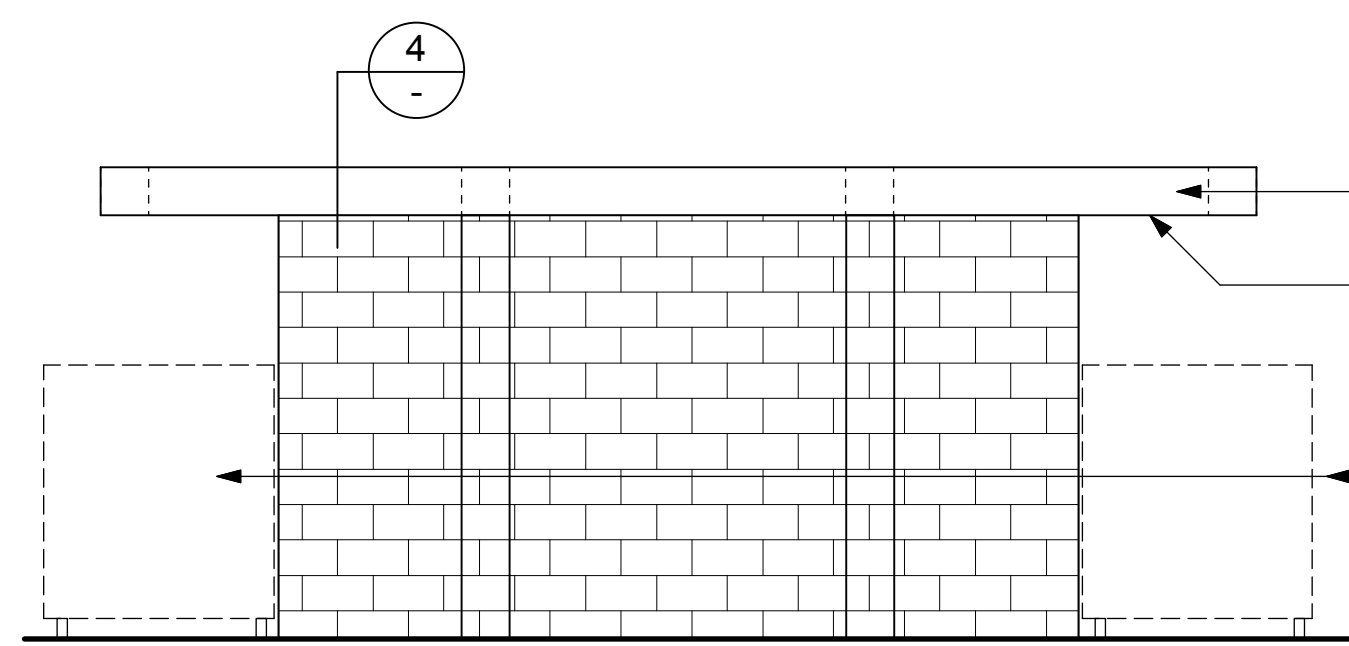
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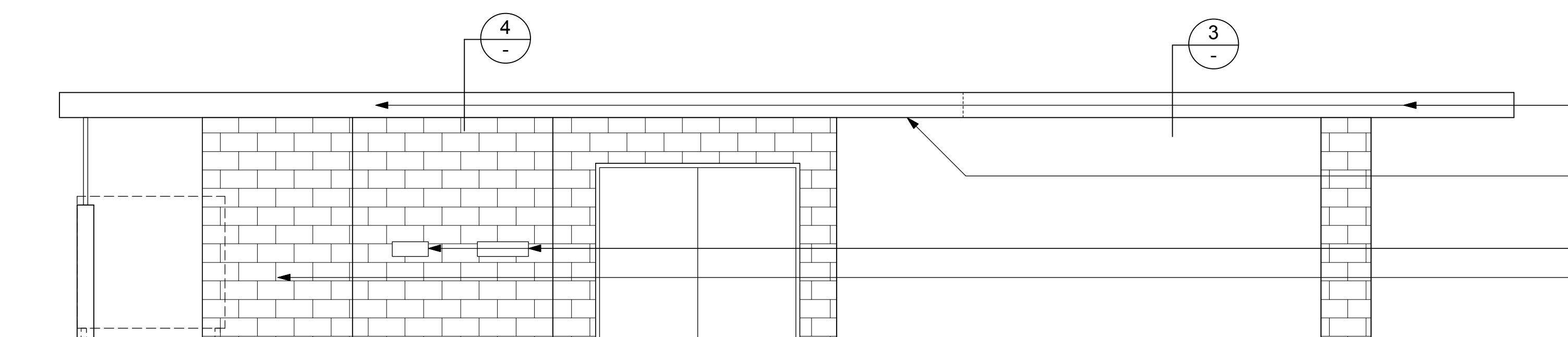
**CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL**



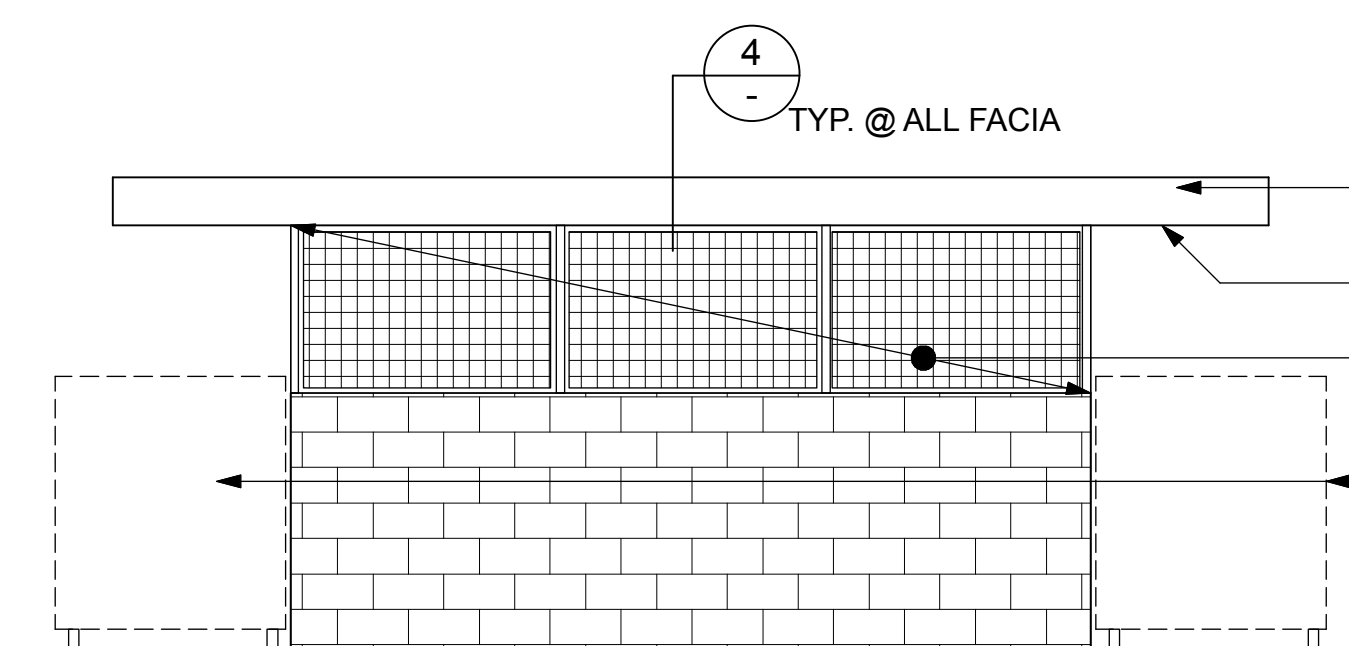
NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

NOTE:
REMOVE ALL EXISTING PAINT FROM CMU.
SANDBLAST ALL EXTERIOR & INTERIOR CMU
PREPARE FOR NEW PAINT AND ANTI GRAFFITI
COATING.

REMOVE (E) FACIA (ALL SIDES),
PREPARE TO REPLACE
REMOVE (E) STUCCO SOFFIT
WHERE REQUIRED, TYP.
REMOVE (E) SCREENS
DEMO DOOR & PREPARE
FOR NEW & INFILL
REMOVE (E) SCREENS
DEMO DOOR & PREPARE
FOR NEW SIZE.

REMOVE (E) FACIA (ALL SIDES),
PREPARE TO REPLACE
REMOVE (E) STUCCO SOFFIT
PREPARE FOR NEW
REMOVE (E) SCREENS

REMOVE (E) FACIA (ALL SIDES),
PREPARE TO REPLACE
REMOVE (E) STUCCO SOFFIT
PREPARE FOR NEW
(E) SINK & FOUNTAIN
TO REMAIN
REMOVE (E) SCREENS

REMOVE (E) FACIA (ALL SIDES),
PREPARE TO REPLACE
REMOVE (E) STUCCO SOFFIT
WHERE REQUIRED, TYP.
REMOVE (E) SCREENS
REMOVE (E) SCREENS

2. EXIST / DEMO ELEVATIONS
1/4"=1'-0"

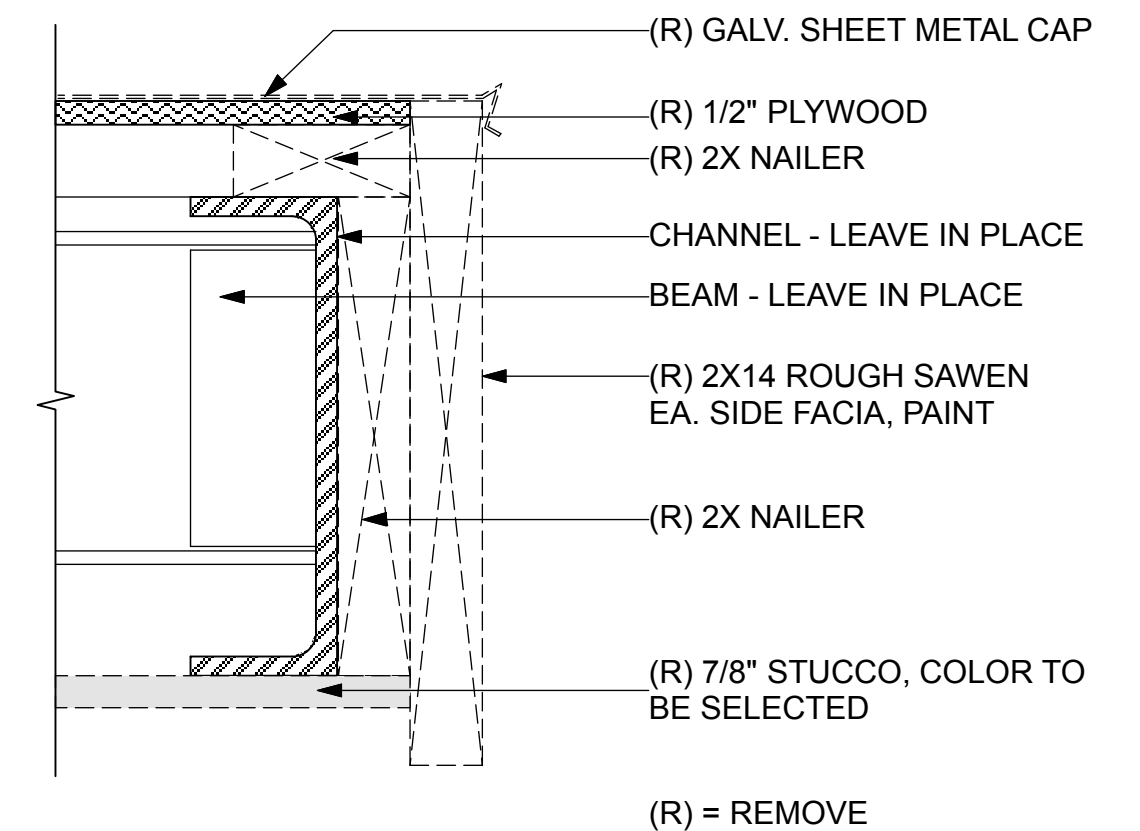
DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____
DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____
PROJECT MANAGER
SIGNATURE _____ DATE _____

CONSULTANT
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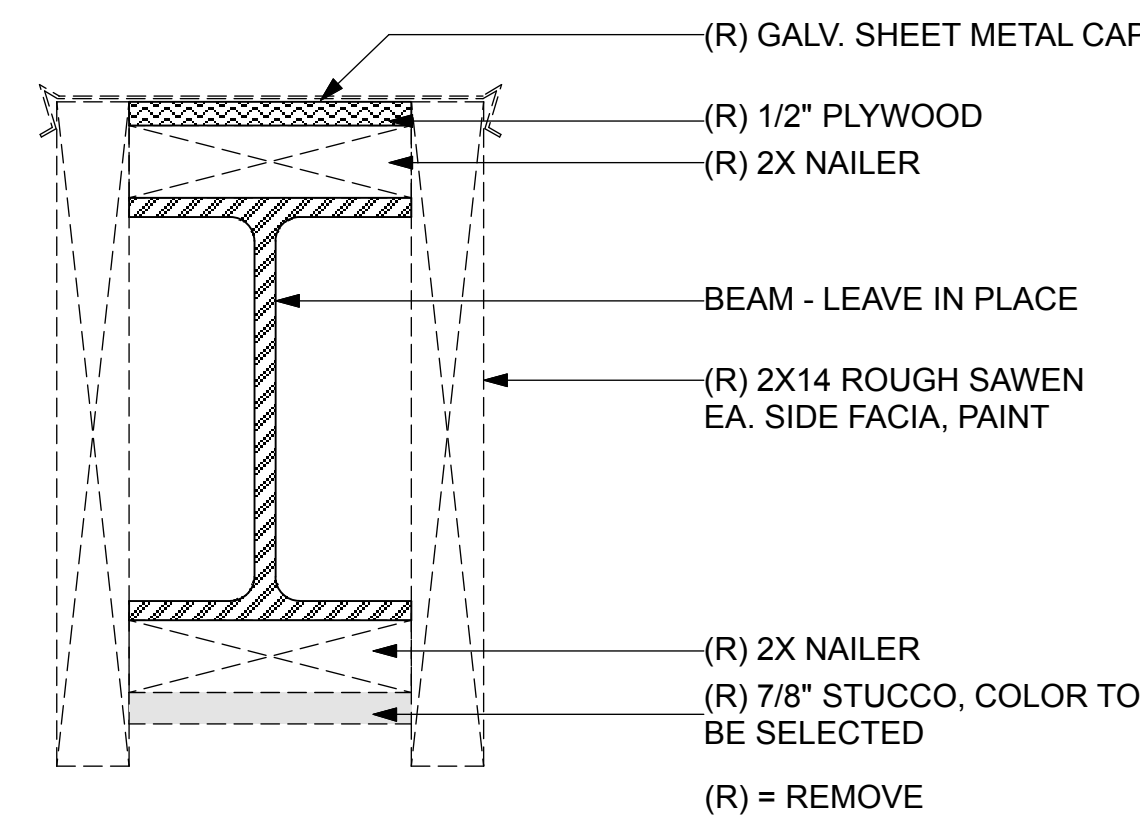
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DRAWN: MH | CHECKED: HL
SPEC NO.
PROJECT No.

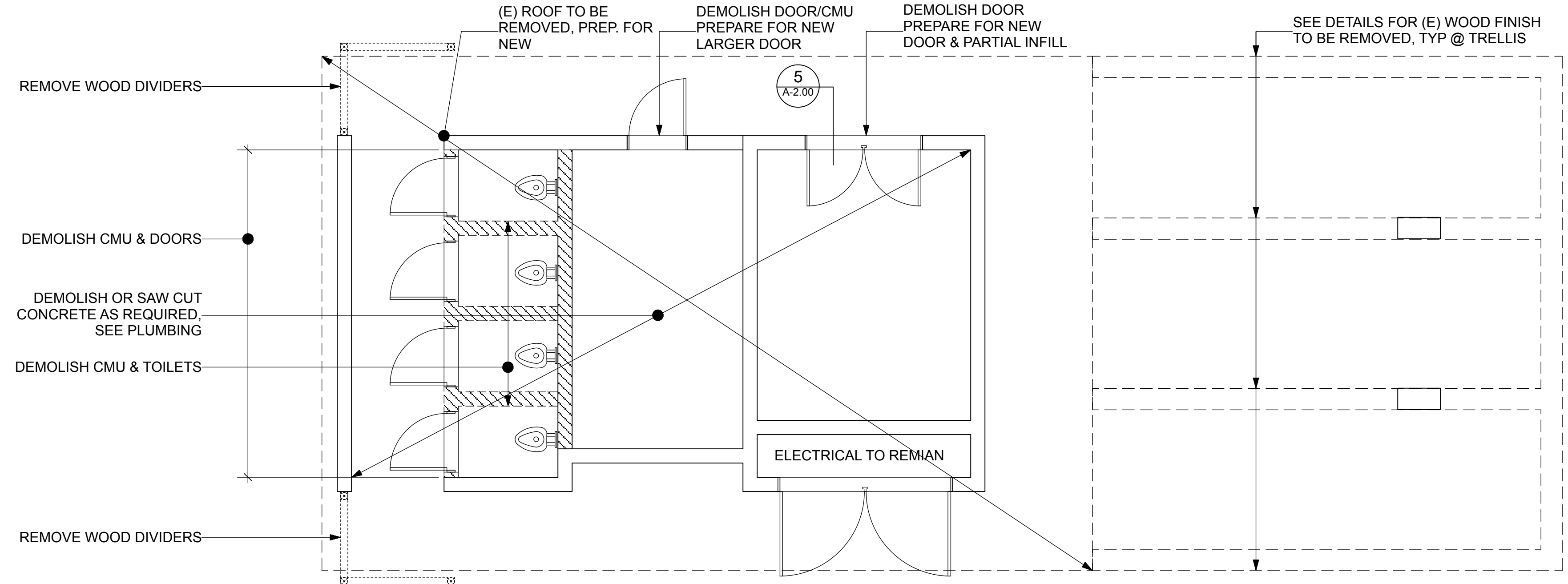
DEMOLITION PLAN



4. FACIA DEMOLITION
1/4"=1'-0"



3. BEAM DEMOLITION
1/4"=1'-0"



REMOVE WOOD DIVIDERS
DEMOLISH CMU & DOORS
DEMOLISH OR SAW CUT
CONCRETE AS REQUIRED.
SEE PLUMBING
DEMOLISH CMU & TOILETS
REMOVE WOOD DIVIDERS

(E) ROOF TO BE
REMOVED, PREP. FOR
NEW
DEMOLISH DOOR/CMU
PREPARE FOR NEW
LARGER DOOR
DEMOLISH DOOR
PREPARE FOR NEW
DOOR & PARTIAL
INFILL
SEE DETAILS FOR (E) WOOD FINISH
TO BE REMOVED, TYP @ TRELLIS

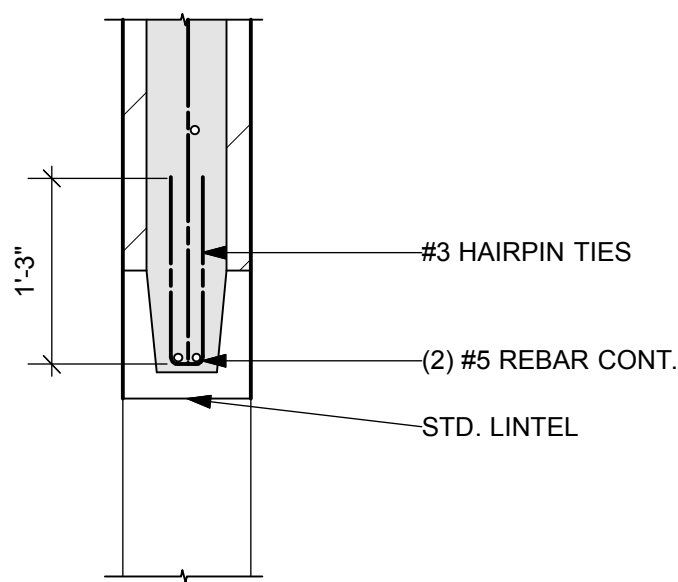
WALL LEGEND:
EXISTING CMU WALL
CMU WALL TO BE REMOVED

NOTE:
REMOVE ALL EXISTING PAINT FROM CMU.
SANDBLAST ALL EXTERIOR & INTERIOR CMU
PREPARE FOR NEW PAINT AND ANTI GRAFFITI
COATING.

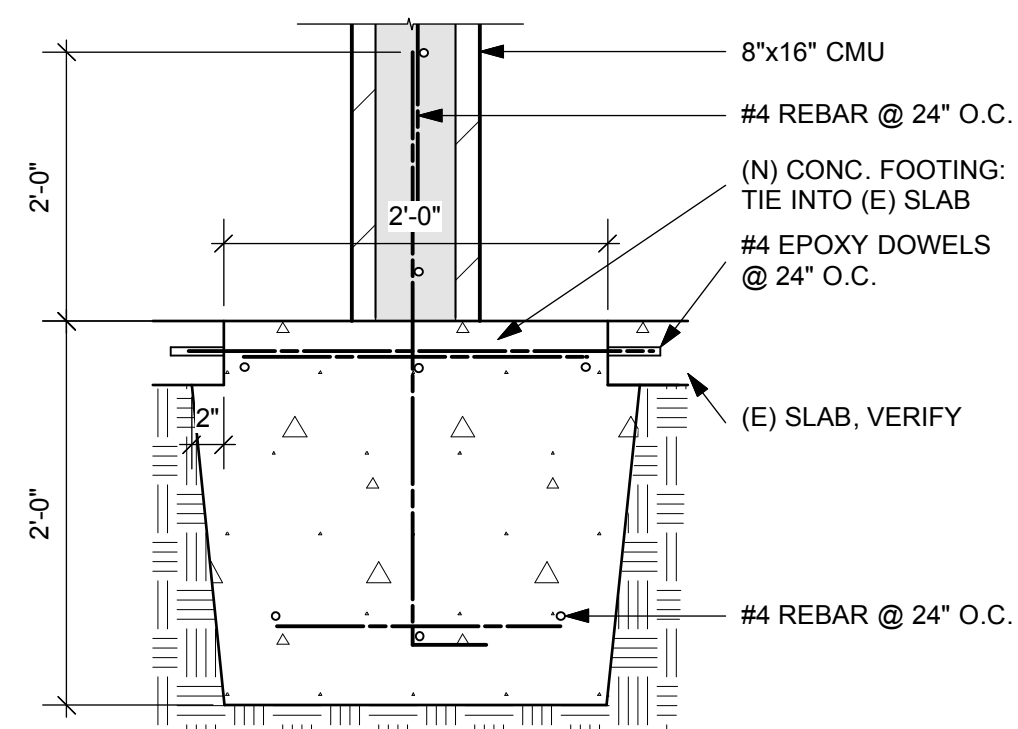
1. EXIST. DEMO FLOOR PLAN
1/4"=1'-0"

SHEET

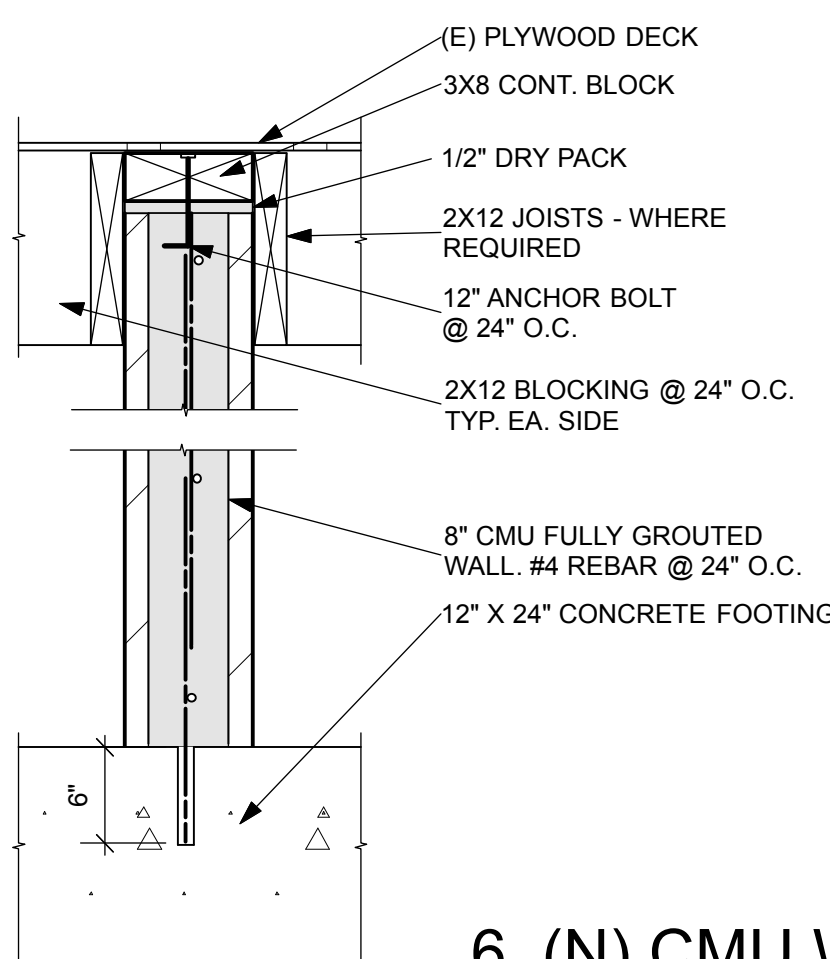
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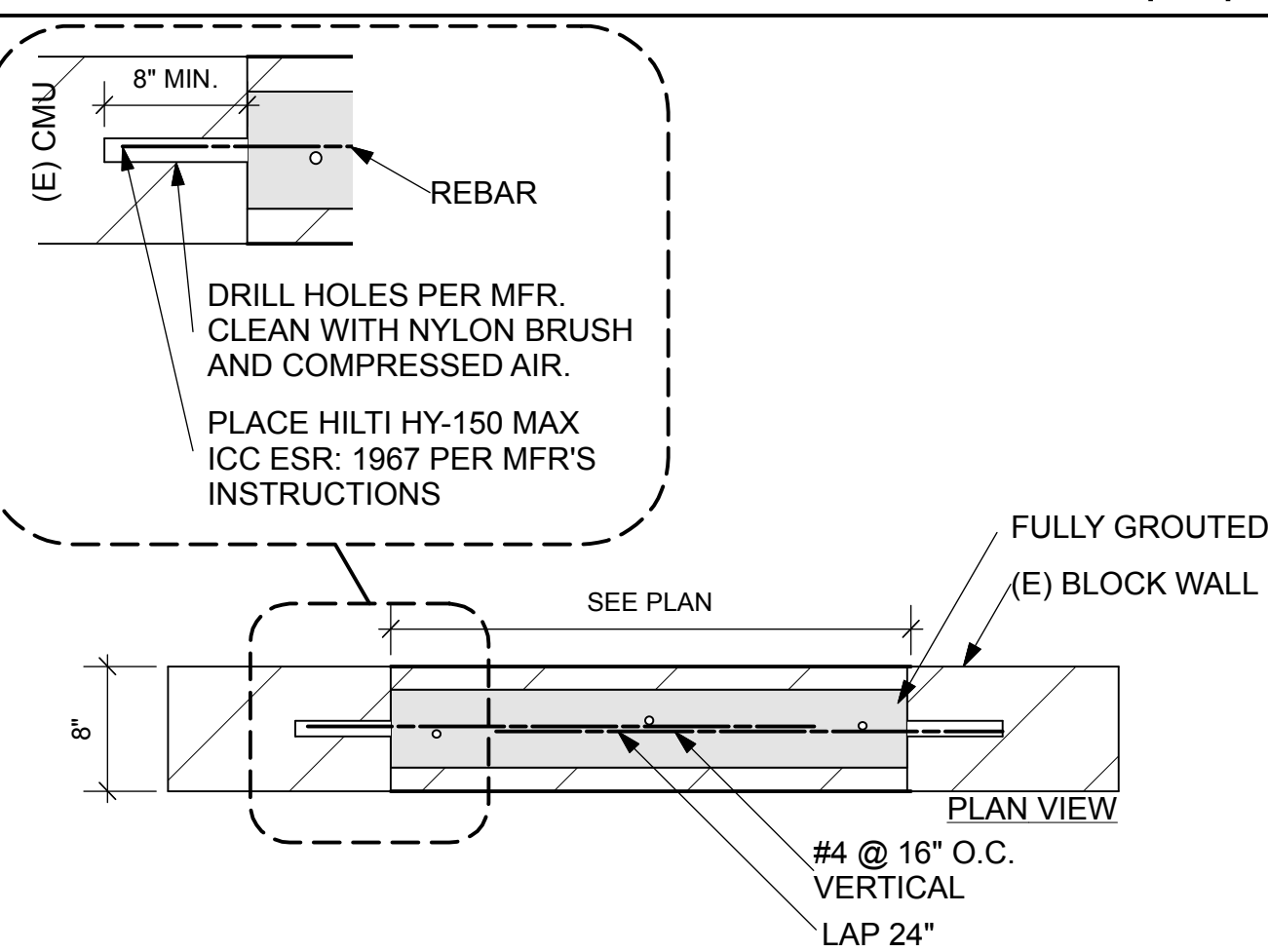
8. CMU OPENING
1"=1'-0"



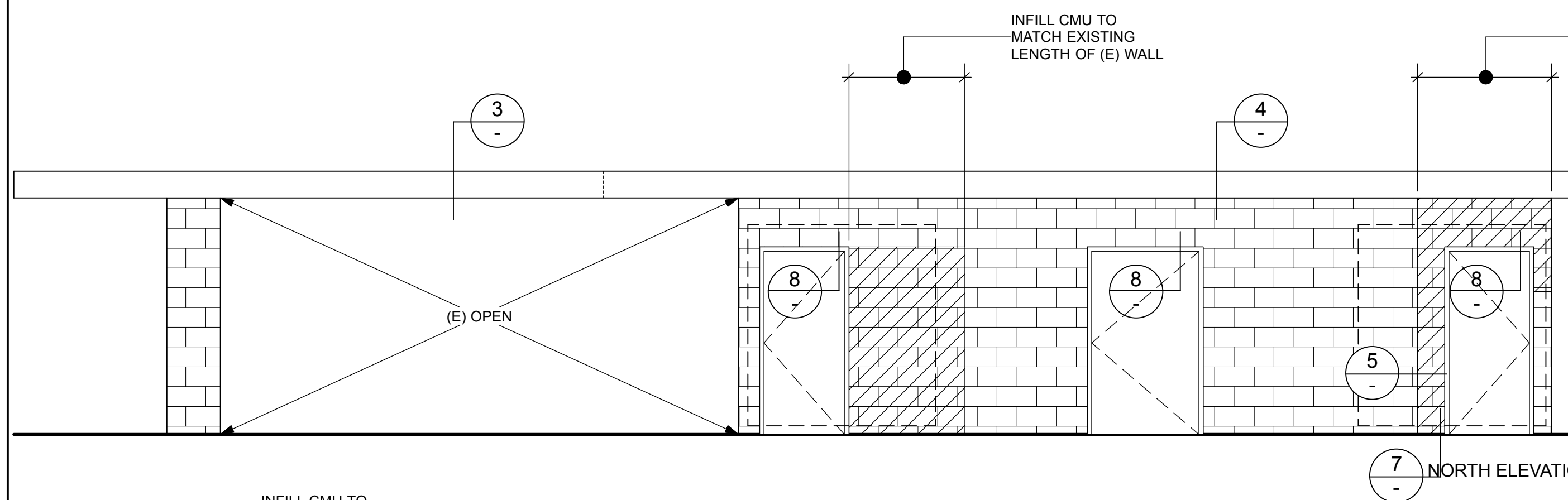
7. CMU INTERIOR WALL FOOTING
1"=1'-0"



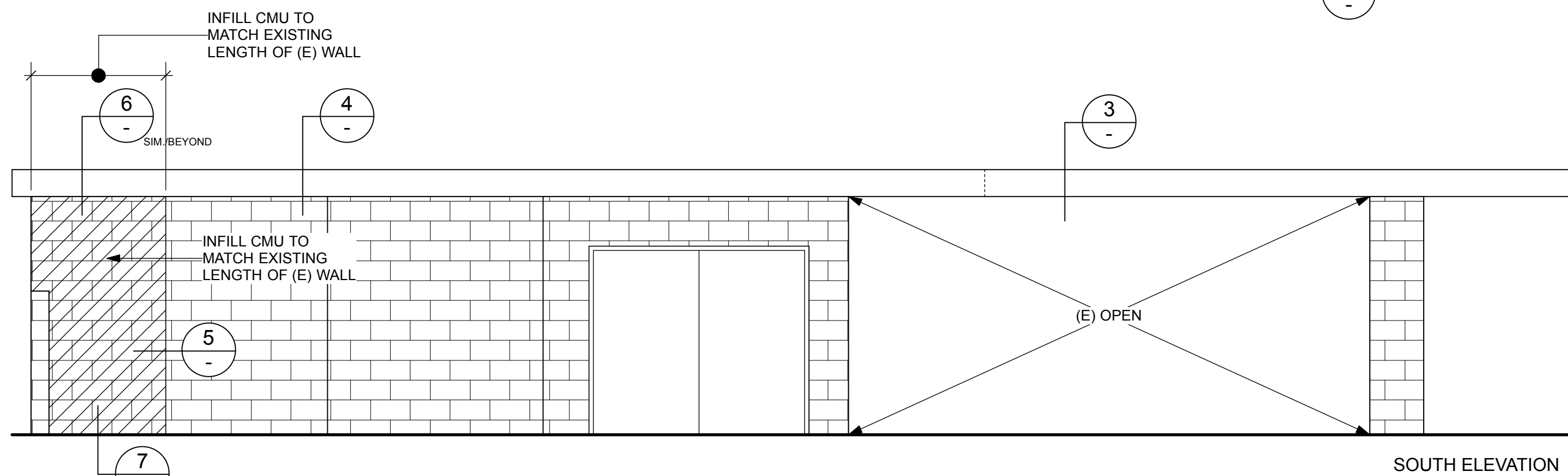
6. (N) CMU WALL
1"=1'-0"



5. CMU WALL INFILL
1"=1'-0"



7 NORTH ELEVATION

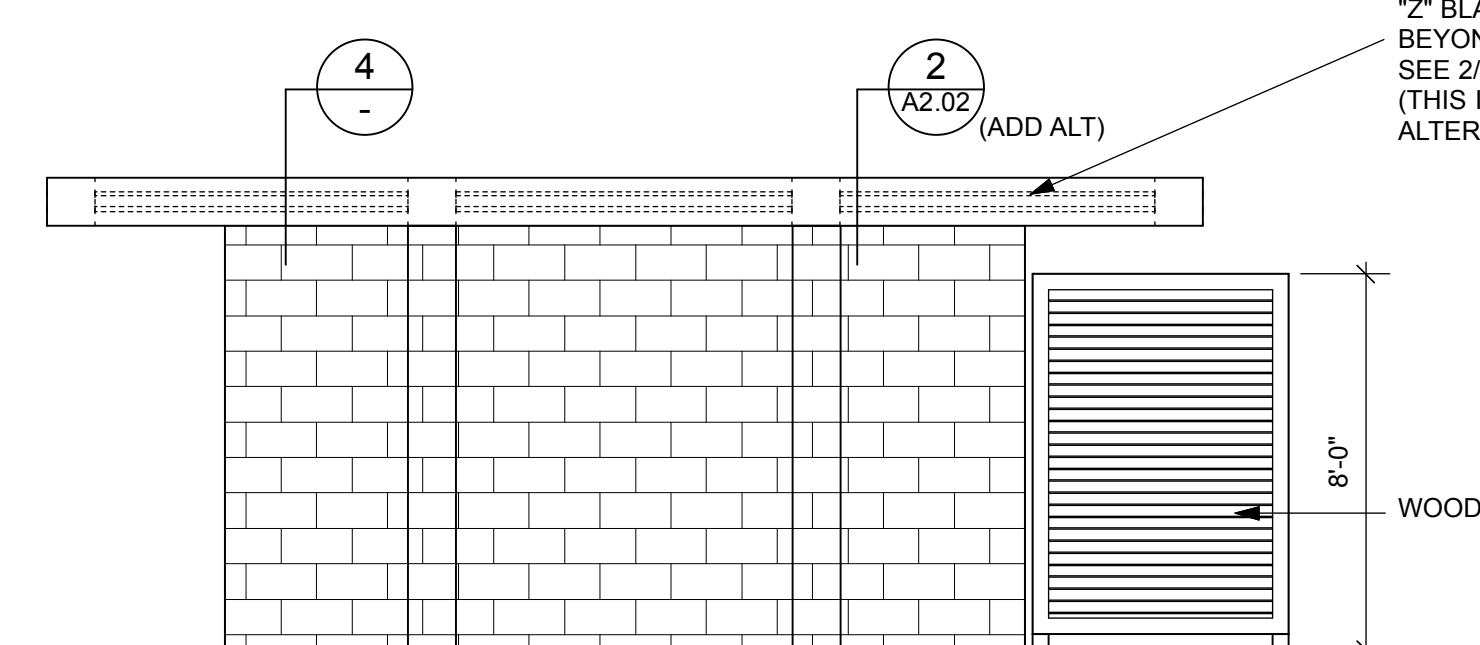


7 SOUTH ELEVATION

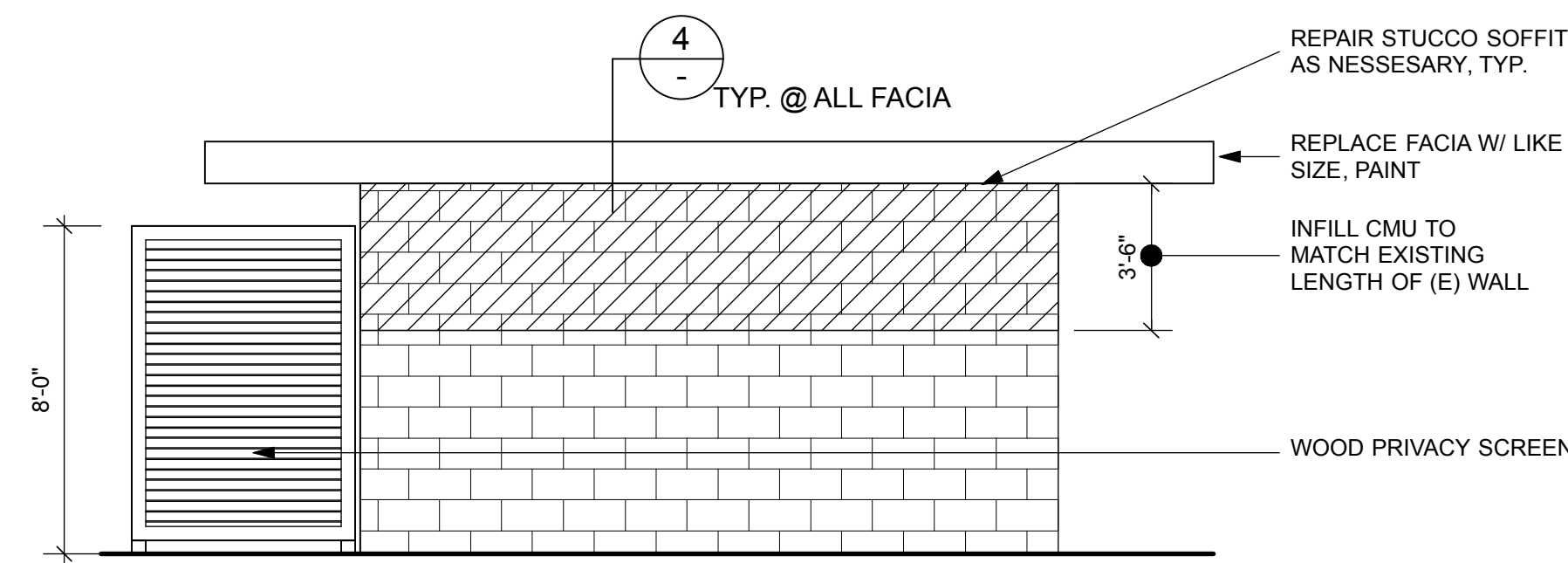
NOTE:
REMOVE ALL EXISTING PAINT FROM CMU.
SANDBLAST ALL EXTERIOR & INTERIOR CMU
PREPARE FOR NEW PAINT AND ANTI GRAFFITI
COATING.

NEW CMU TO MATCH EXISTING

INFILL CMU TO MATCH EXISTING LENGTH OF (E) WALL

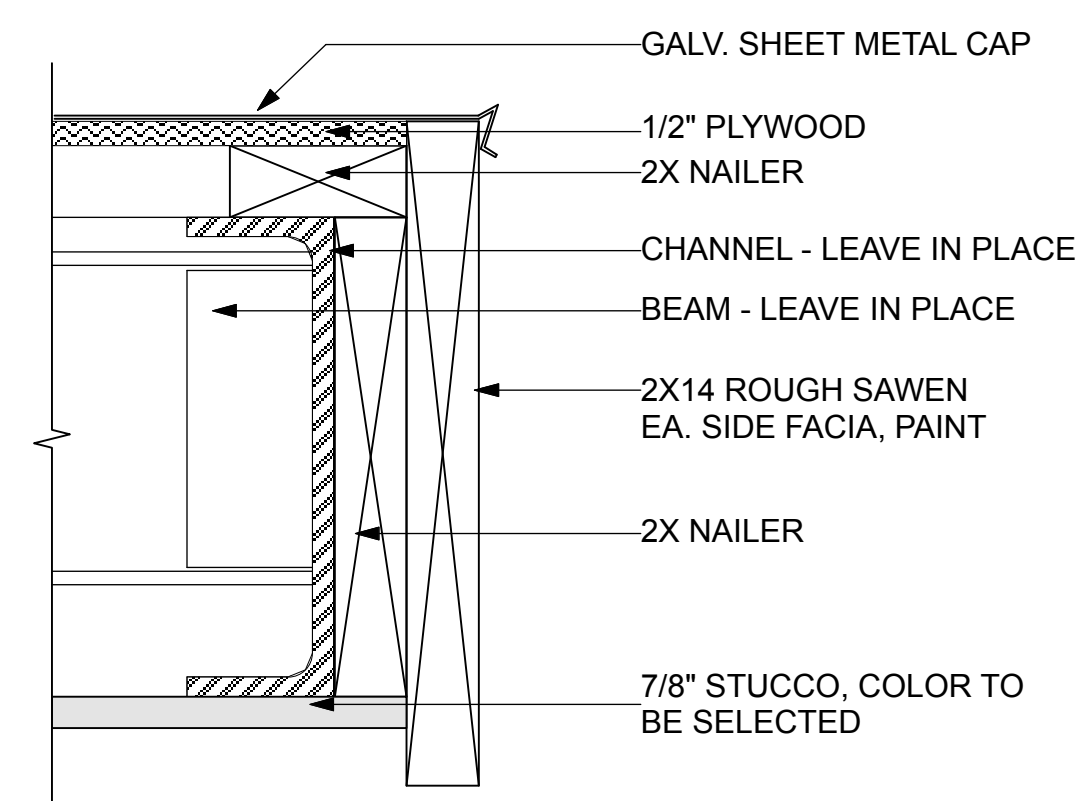


EAST ELEVATION

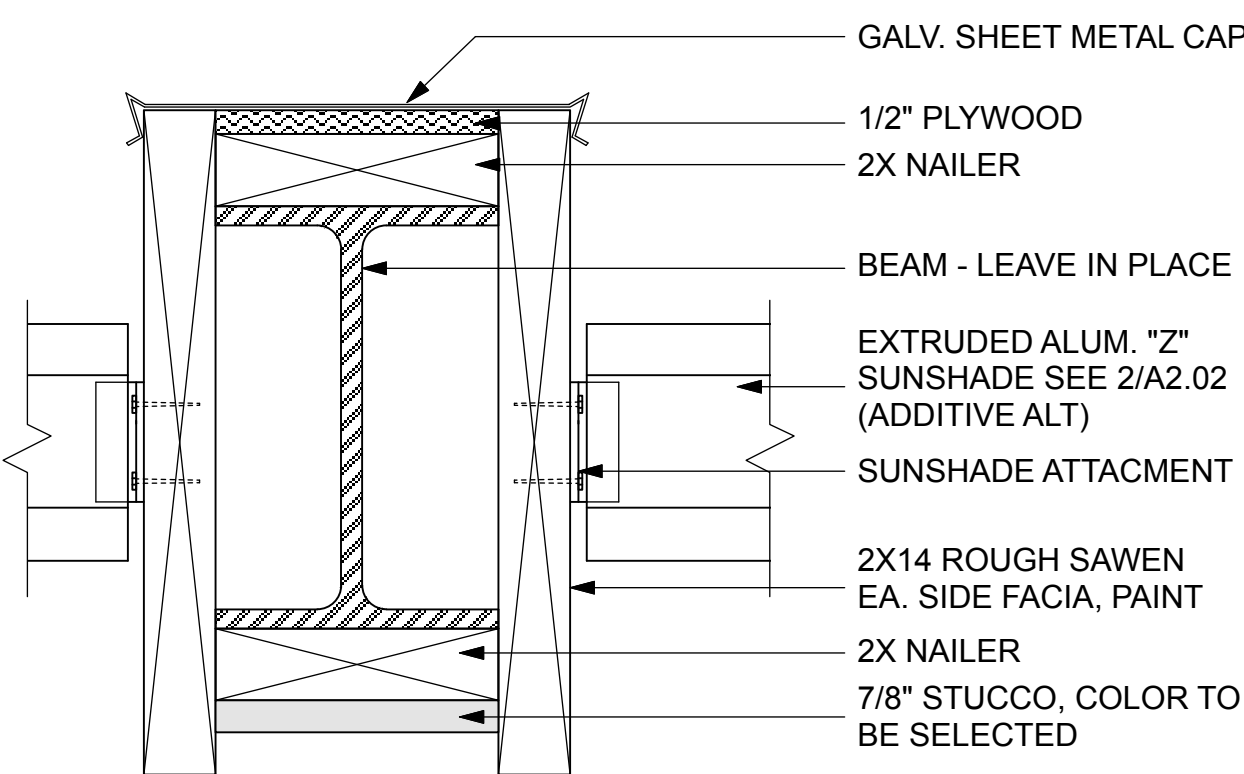


WEST ELEVATION

2. PROPOSED ELEVATIONS
1/4"=1'-0"



4. FACIA DETAIL
3"=1'-0"



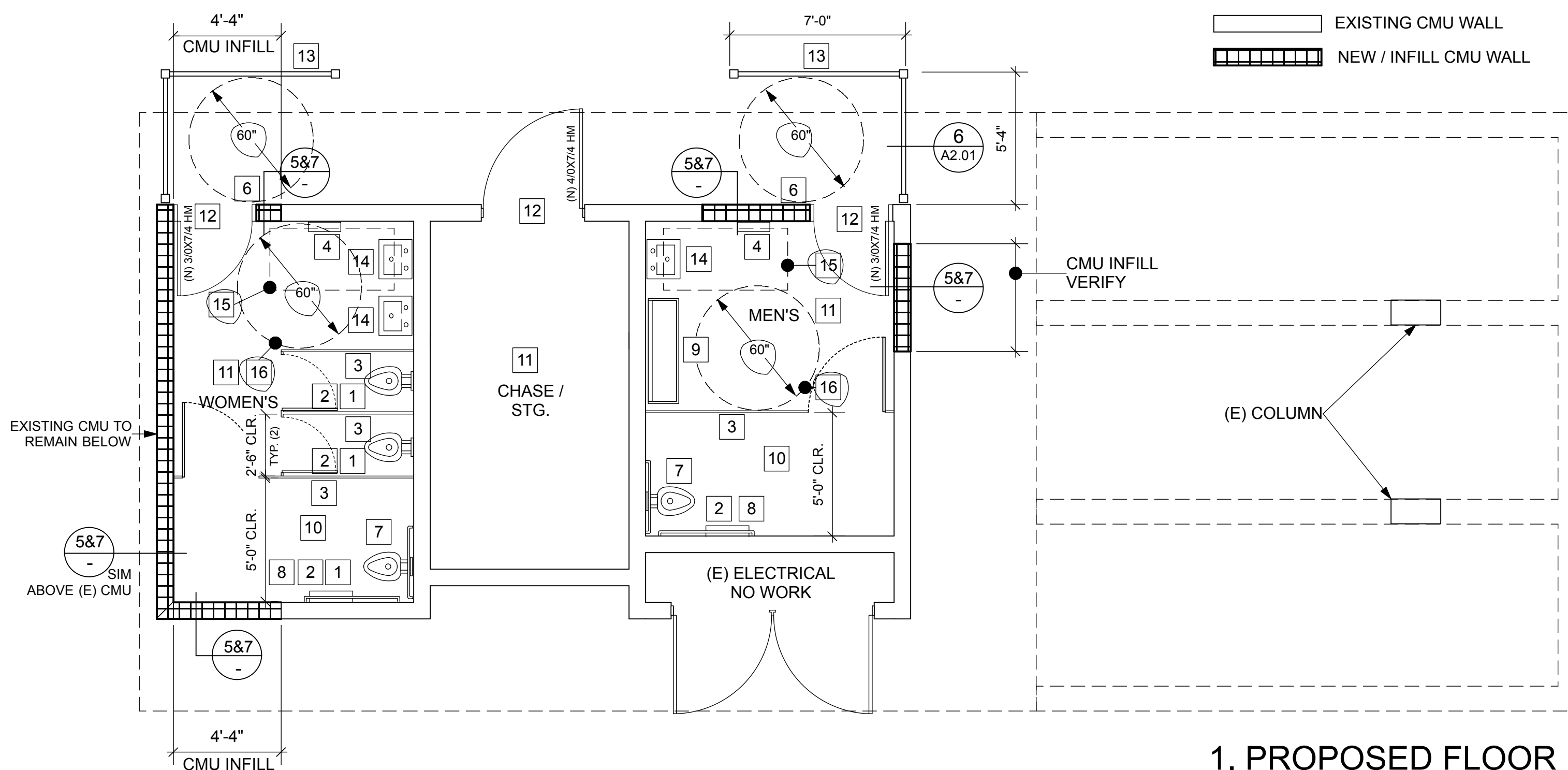
3. BEAM DETAIL
3"=1'-0"

KEYNOTE LEGEND

- 1 SANITARY RECEPTACLE EA. BOBRICK (B-270) (3) TOTAL 1 EA. STALL
- 2 TOILET PAPER DISPENSER (B-2892 CLASSIC SERIES) (1) IN EA. STALL (4) TOTAL
- 3 1" THICK PLASTIC TOILET PARTITION / URINAL SCREENS
- 4 WASTE RECEPTACLE EA R.R. BOBRICK (B-279)(2) TOTAL
- 5 CONCRETE SLAB, SLOPE TO DRAIN, TYP EA. ROOM. SLOPE NOT TO EXCEED 2%
- 6 ADA SIGNAGE - SEE DETAILS 1/A3.0 & 2/A3.0
- 7 TOILET - SEE PLUMBING
- 8 STAINLESS GRAB BARS
- 9 TROUGH URINAL - SEE PLUMBING
- 10 ACCESSIBLE STALLS
- 11 (N) CONCRETE SLAB, EPOXY SEALED TYP. ALL CONCRETE SLAB.
- 12 HOLLOW METAL EXT. DOOR, PAINT, FOR DOOR DETAILS SEE: 3.4 & 5 A-2.01
- 13 PRIVACY ENTRY VESTIBULE SEE 6/A2.01
- 14 SINK, SEE PLUMBING
- 15 48"x30" CLEAR SPACE AT SINK - SEE A-3.00
- 16 60" CLEAR SPACE - SEE A-3.00

NOTE:
REPAIR OR PROVIDE CONCRETE AS REQUIRED TO MATCH EXISTING.
FLOOR NOT TO EXCEED 2% SLOPE IN ANY DIRECTION - FLOOR FINISH SHALL MEET ALL REQUIREMENTS FOR SLIP RESISTANCE.
FIRE EXTINGUISHER(S) TO MEET NFPA 10 AND SHALL BE MIN. SIZE. FIRE MARSHALL TO LOCATE (1) EA. ROOM
SEE A-3.00 FOR ACCESSIBILITY INFORMATION

WALL LEGEND:
EXISTING CMU WALL
NEW / INFILL CMU WALL



1. PROPOSED FLOOR PLAN
1/4"=1'-0"



CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____
DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____
PROJECT MANAGER
SIGNATURE _____ DATE _____

NO.	DATE	BY	DESCRIPTION

NO.	DATE	BY	DESCRIPTION

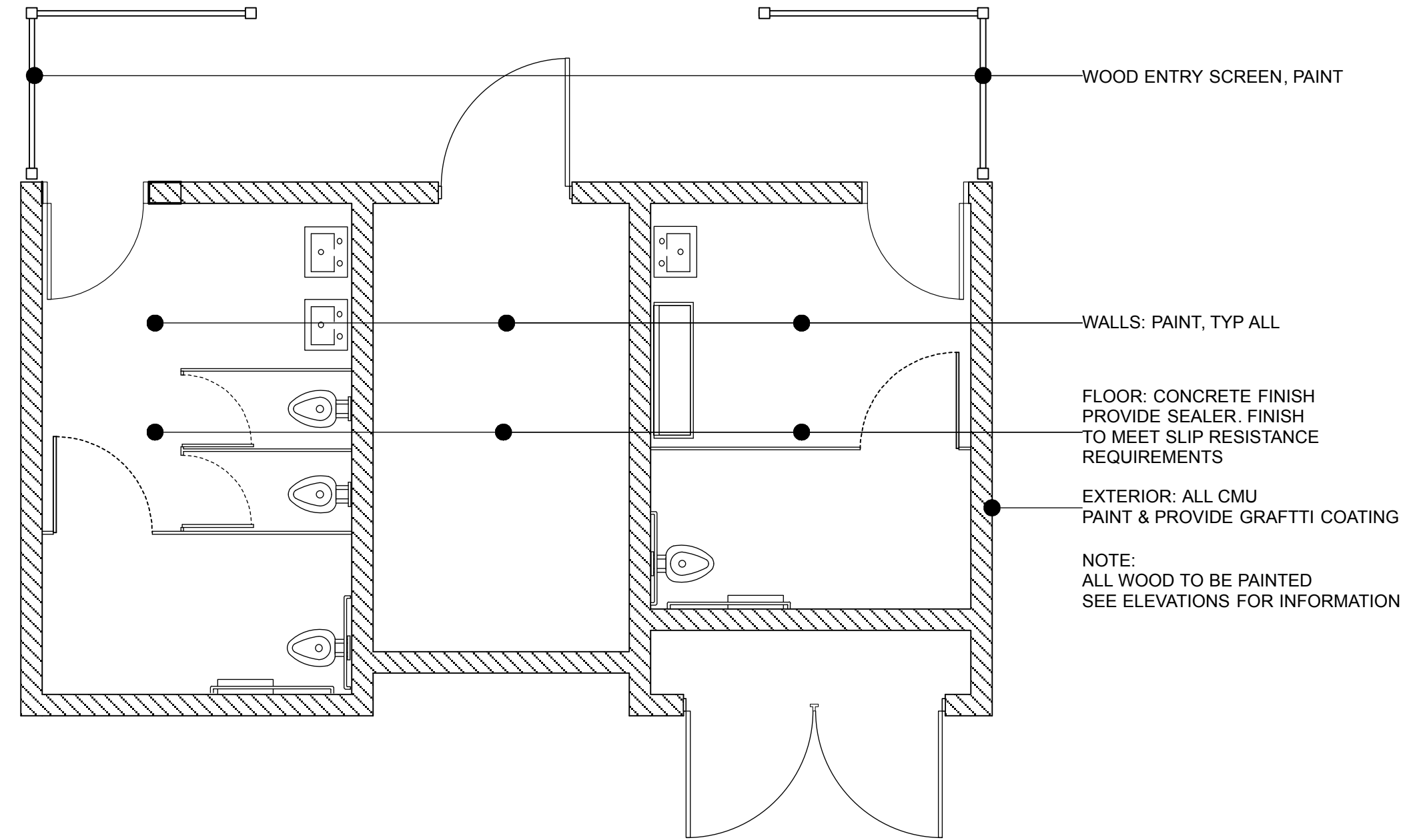
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SPEC NO.
PROJECT NO.

PROPOSED
FLOOR PLAN
ELEVATIONS
DETAILS

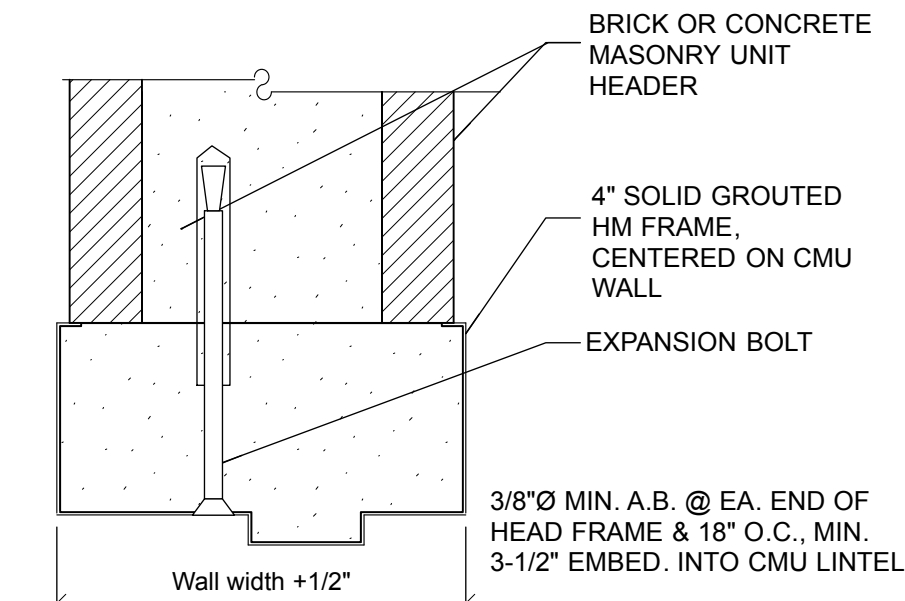
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FINISHES NOTES:

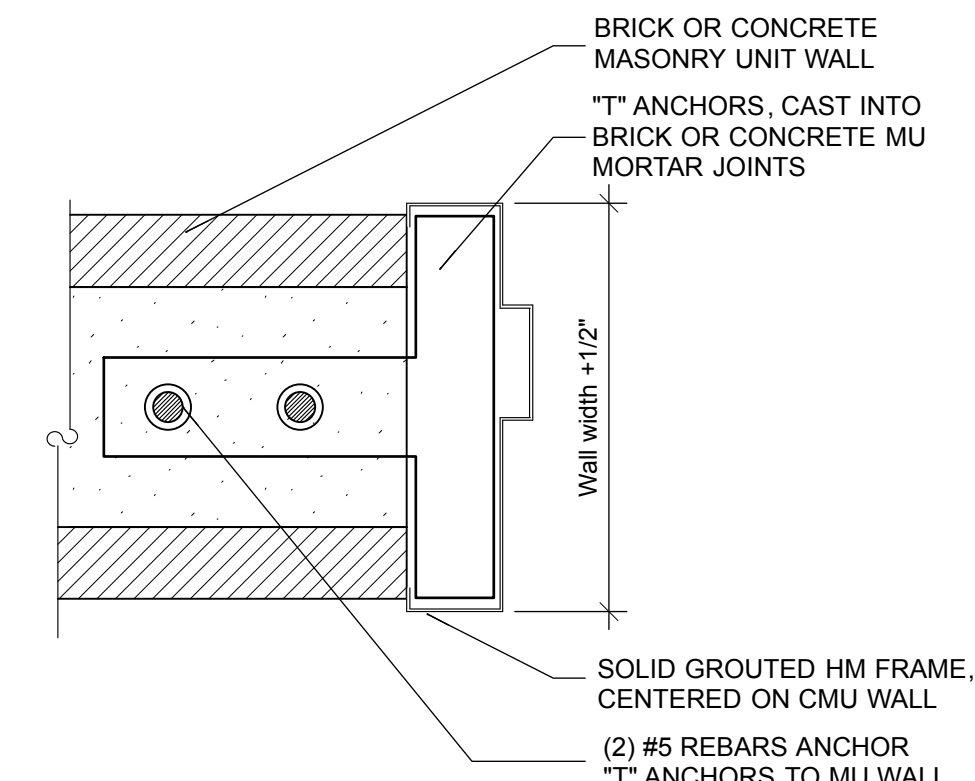
1. WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC TABLE 8-B.**
2. ALL DOOR FRAMES TO BE PREPARED FOR PAINT, ALL FRAMES TO BE PAINTED, ARCHITECT TO SELECT COLOR.
3. ALL EXPOSED METAL NOT FACTORY FINISHED TO BE PREPARED & PAINTED / FINISHED. ALL WOOD TO BE PAINTED
5. ALL ROOMS WITH EXPOSED CEILINGS, PAINT UTILITIES, CITY TO SELECT.
6. REFER TO SPECIFICATION FOR MANUFACTURER, PATTERN, COLOR, STYLE OR SIZE OF EACH CALL OUT.



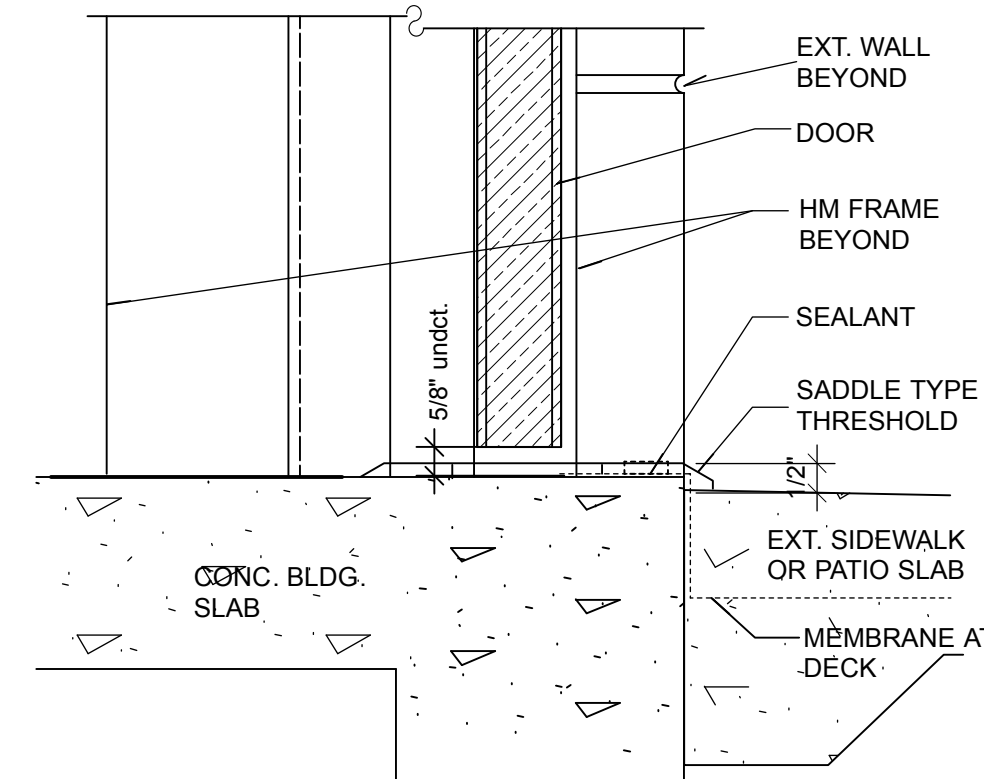
5. PROPOSED FINISHES PLAN
1/4"=1'-0"



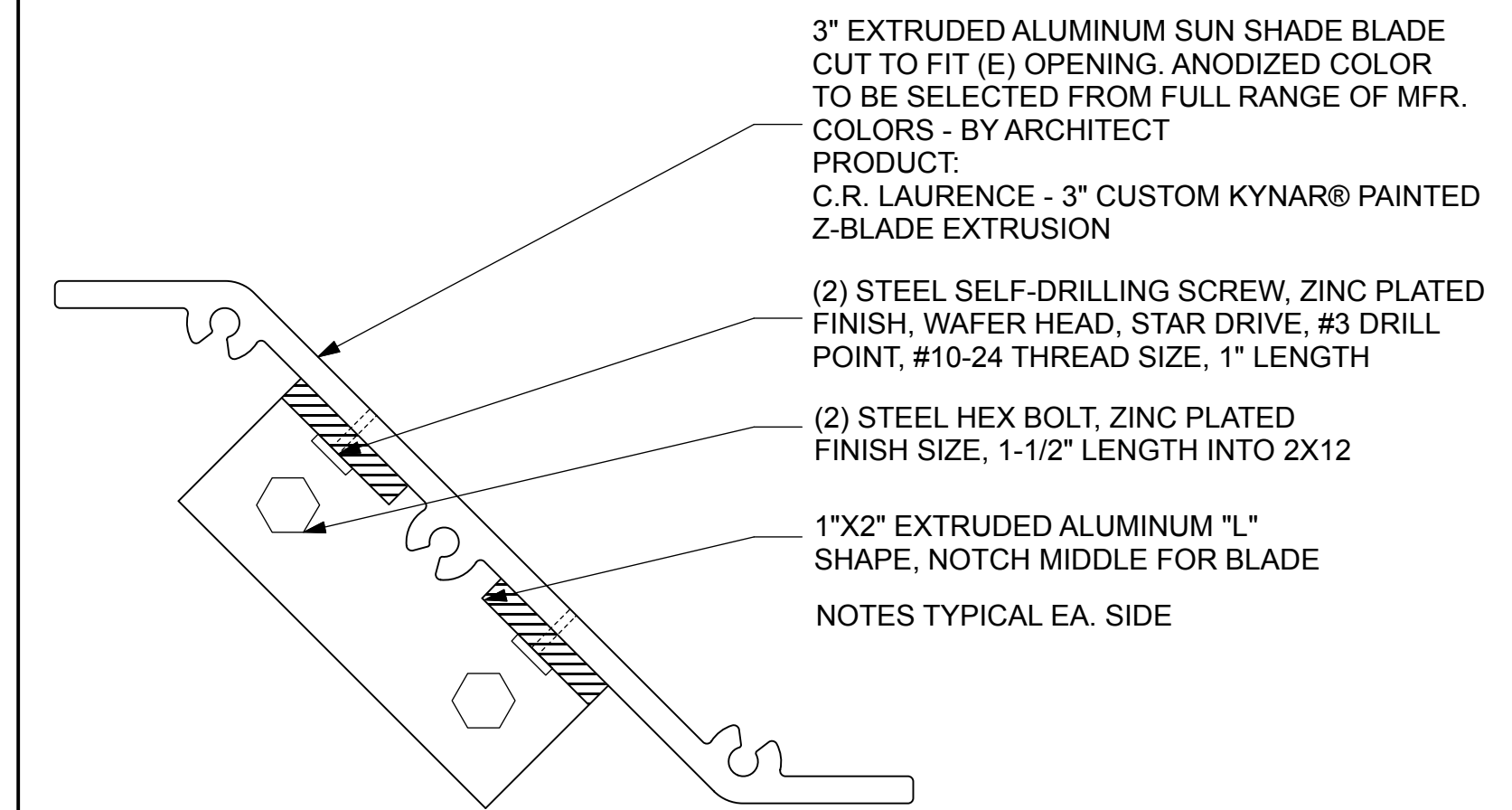
5. DOOR HEAD
3"=1'-0"



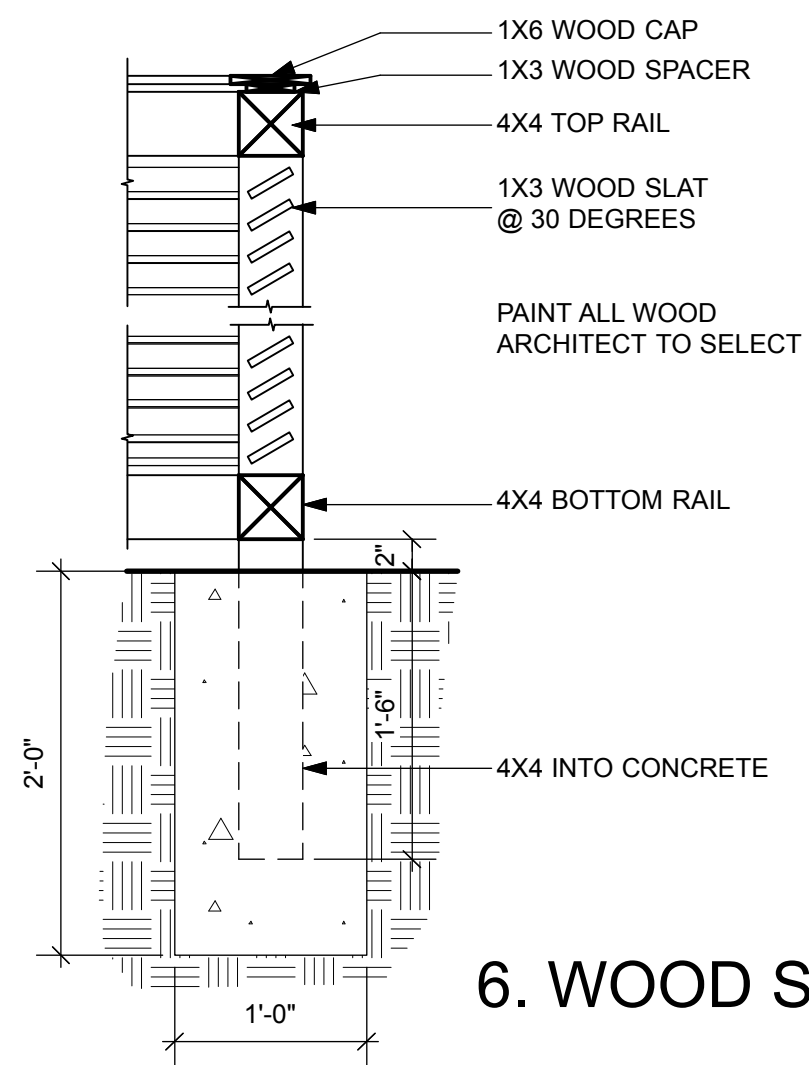
3. DOOR JAMB
3"=1'-0"



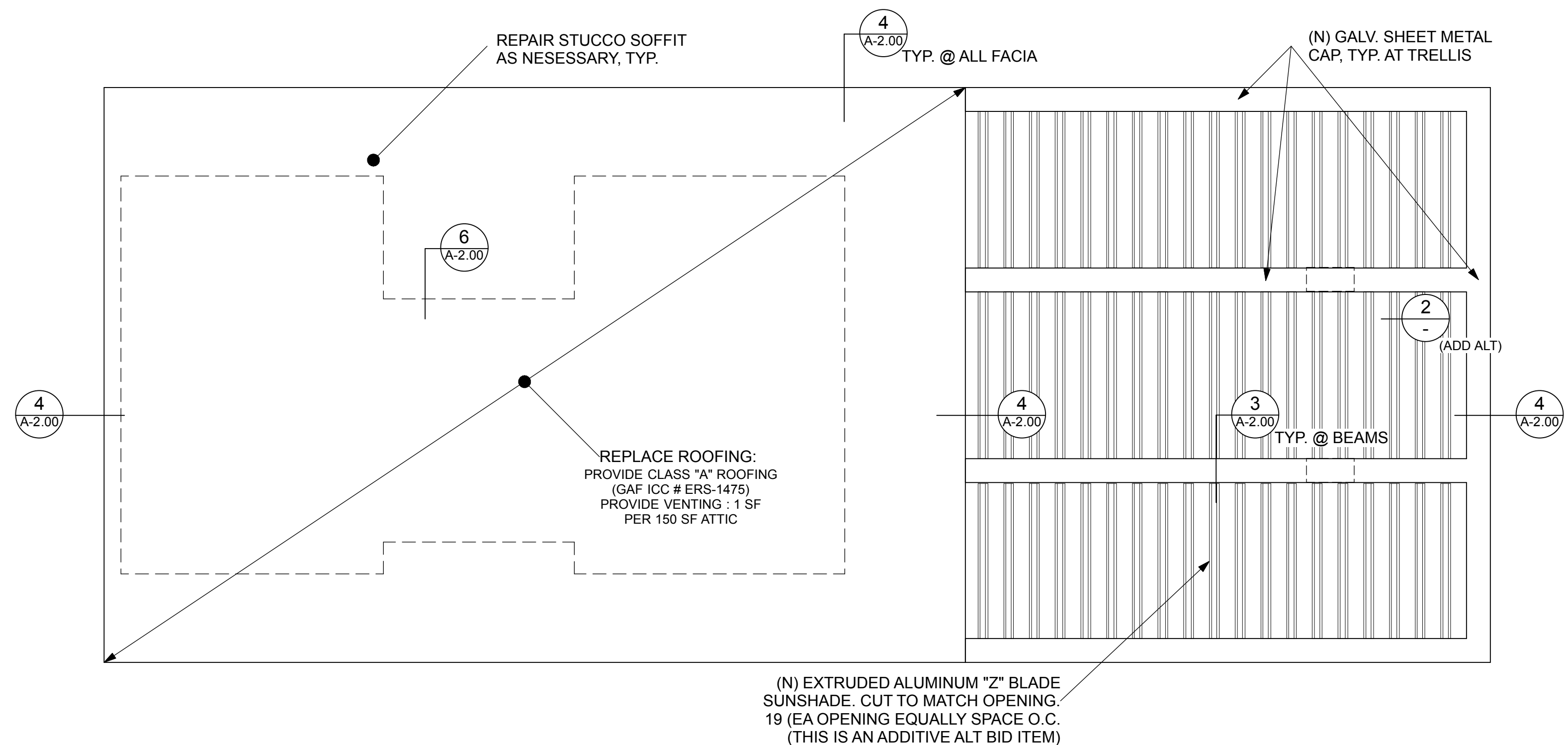
4. DOOR THRESHOLD
3"=1'-0"



2. SUNSHADE BLADE (ADDITIVE ALT)
FULL SCALE



6. WOOD SCREEN
1"=1'-0"



1. PROPOSED ROOF PLAN
1/4"=1'-0"



**CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL**

DIRECTOR OF PUBLIC WORKS AGENCY	
SIGNATURE	DATE
DIRECTOR OF WATER AND SANITATION	
SIGNATURE	DATE
PROJECT MANAGER	
SIGNATURE	DATE

CONSULTANT	

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SPEC NO.	
PROJECT NO.	

**ROOF PLAN
DETAILS
FINISH PLAN**

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NOTES:

1. ACCESSIBLE WATER CLOSET COMPARTMENT. A WATER CLOSET FIXTURE LOCATED IN A COMPARTMENT SHALL PROVIDE A MINIMUM 28 INCH-WIDE (711 MM) CLEAR SPACE FROM A FIXTURE OR A MINIMUM 32 INCH-WIDE (813 MM) CLEAR SPACE FROM A WALL AT ONE SIDE OF THE WATER CLOSET. THE OTHER SIDE OF THE WATER CLOSET SHALL PROVIDE 18 INCHES (457 MM) FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. THE STALL SHALL BE A MINIMUM OF 60 INCHES (1524 MM) WIDE. A MINIMUM 48 INCH-LONG (1219 MM) CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END-OPENING DOOR (FACING THE WATER CLOSET). A MINIMUM 60 INCH-LONG (1524 MM) CLEAR SPACE SHALL NOT PROJECT MORE THAN 3 INCHES (76 MM) INTO THE CLEAR SPACES AS SPECIFIED ABOVE.

2. COMPARTMENT DOORS. WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32 INCHES (813 MM) WHEN LOCATED AT THE END OF 34 INCHES (864 MM) WHEN LOCATED AT THE SIDE OF THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. WHEN STANDARD COMPARTMENT DOORS ARE USED, WITH A MINIMUM 9 INCH (229 MM) CLEARANCE FOR FOOTRESTS UNDERNEATH AND A SELF-CLOSING DEVICE. CLEARANCE AT THE STIKE EDGE AS SPECIFIED IN SECTION 1133B.2.4.3 IS NOT REQUIRED.

3. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING, OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST, EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES (1118 MM) SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERONS WITH DISABILITIES AND THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL NOT BE LESS THAN 48 INCHES (1219 MM) AS MEASURED AT RIGHT ANGLES TO COMPARTMENT DOOR IN ITS CLOSED POSITION.

4. PROVIDE 9" CLEAR FROM FLOOR TO BOTTOM OF TOILET COMPARTMENT DIVIDER.

ACCESSIBLE WATER CLOSETS

THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" AND A MAXIMUM OF 19" MEASURED TO THE TOP OF A MAXIMUM 2" TOILET SEAT.

CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST AND SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44" ABOVE THE FINISHED FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUND-FORCE (LBF).

ACCESSIBLE WATER URINALS

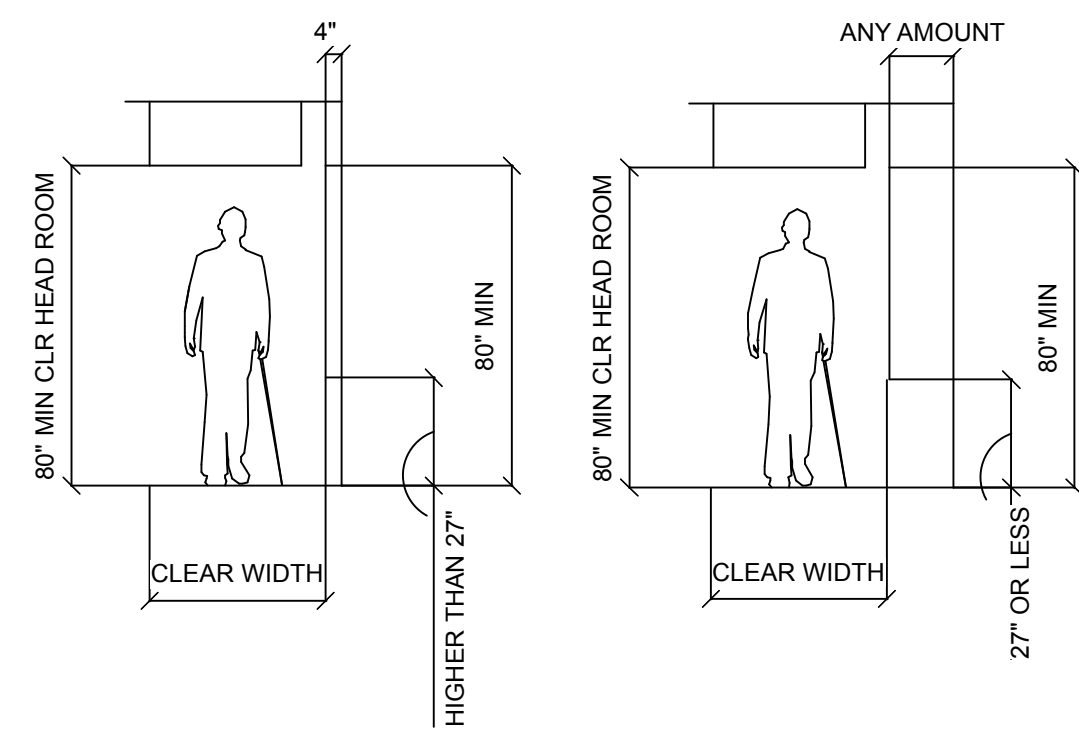
URINALS SHALL BE FLOOR MOUNTED OR WALL HUNG. WHERE ONE OR MORE WALL HUNG URINALS ARE PROVIDED AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 14" FROM THE WALL AND A MAXIMUM OF 17" FROM THE WALL AND A MAXIMUM 17" ABOVE THE FLOOR SHALL BE PROVIDED.

FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRED TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. ELECTRONIC AUTOMATIC FLUSHING CONTROLS SHALL BE NO GREATER THAN 5 LBF, LEVER OPERATED.

NOTE:
TOILET PAPER DISPENSERS TO ROLL WITHOUT STOPS.

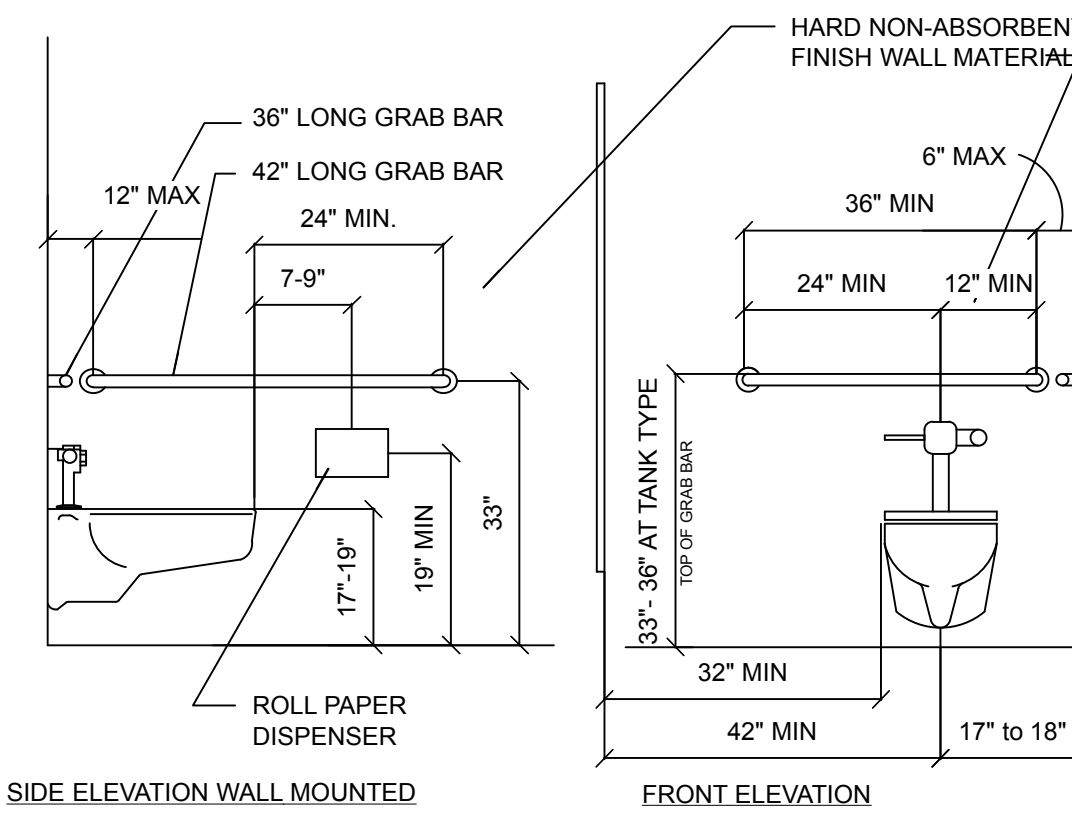
FAUCET FORCE:

ALL FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND IN ACCORDANCE WITH CHAPTER 11B OF THE CALIFORNIA BUILDING CODE AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. LEVER OPERATED, PUSH-TYPE OR ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.



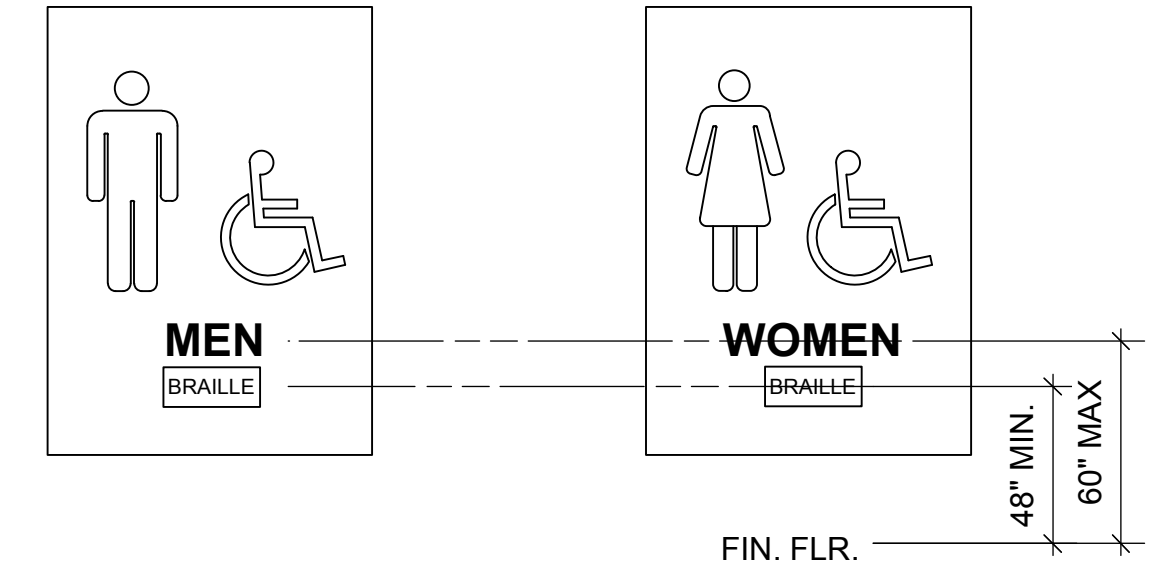
NOTE:
PROTRUDING OBJECTS MAY NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE

ACCESSIBLE ROUTE CLEARANCE
SCALE: 1/4" = 1'-0" 9



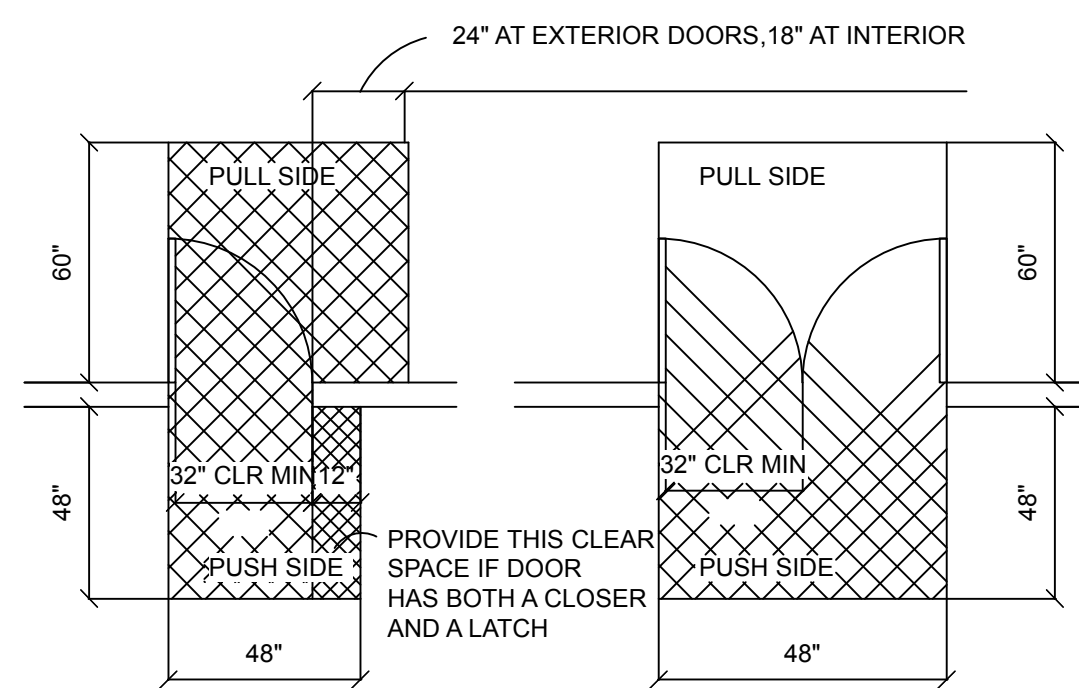
NOTE:
1. REFER TO FLOOR PLANS FOR ADDITIONAL DIMENSIONS AND INFORMATION.
2. FLUSH VALVE MUST BE MOUNTED ON THE WIDE SIDE OF THE TOILET COMPARTMENT.
3. MAXIMUM PRESSURE TO OPERATE TOILET VALVE TO BE FIVE LBS.
4. GRAB BARS TO HAVE 250 POUNDS CAPACITY.

TOILET CLEARANCE
SCALE: 1/2" = 1'-0" 5



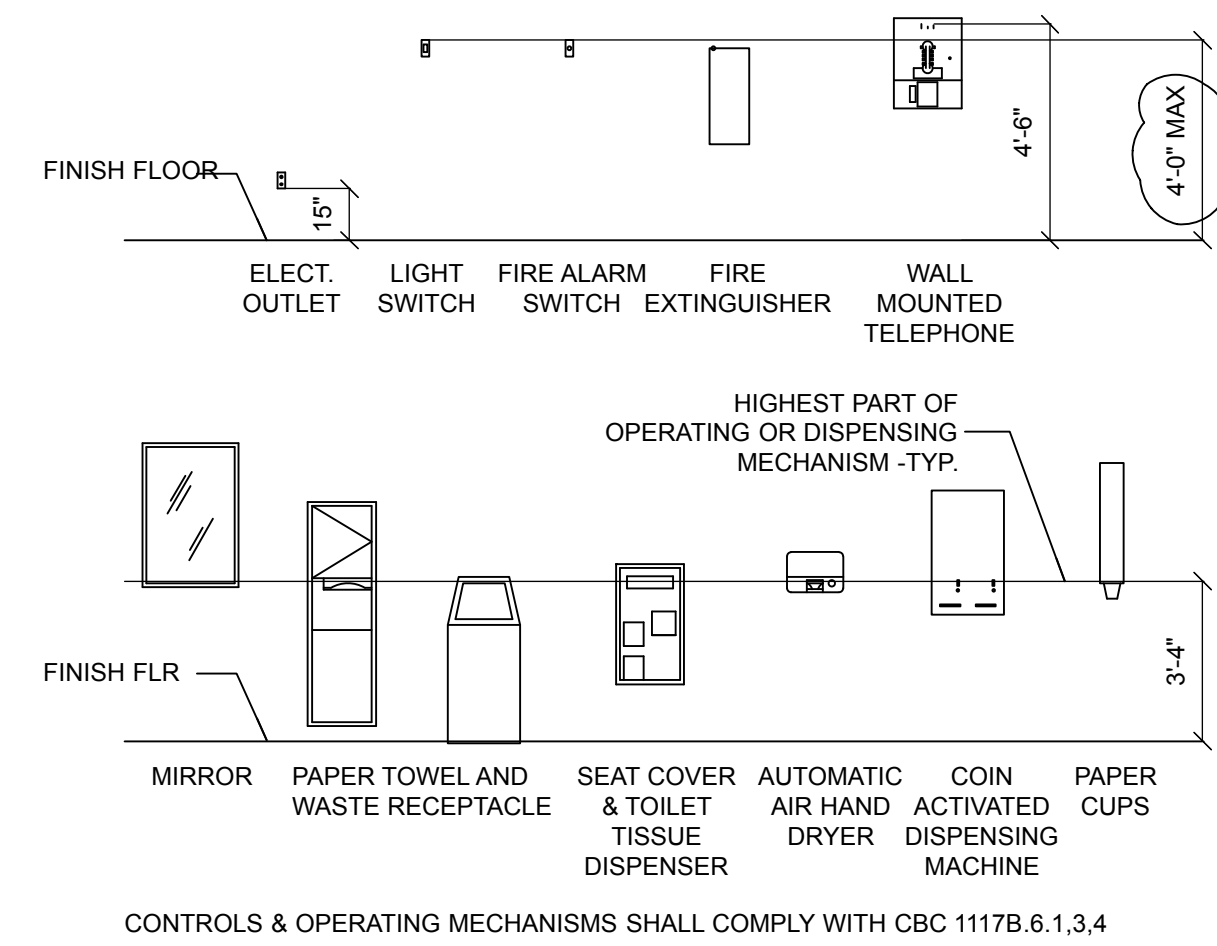
NOTE:
1. MOUNT SIGN AT CENTERLINE OF DOOR AND 5'-0" ABOVE FINISH FLOOR.
2. SIGNS TO BE 1/4" THICK IN CONTRASTING COLOR TO DOOR COLOR.
CBC SECTION 703.4.2

ADA WALL SIGNAGE
SCALE: 1 1/2" = 1'-0" 1



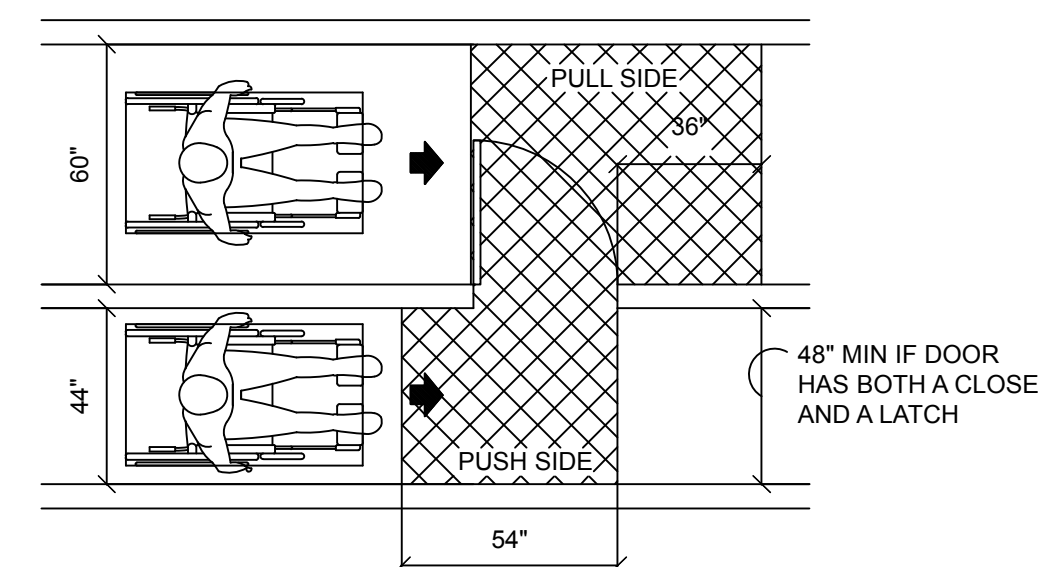
NOTE:
MAXIMUM OPERATING FORCE:
INTERIOR - 5 POUNDS
EXTERIOR - 8.5 POUNDS
FIRE DOOR - 15 POUNDS

DOOR CLEARANCES
SCALE: 1/4" = 1'-0" 10



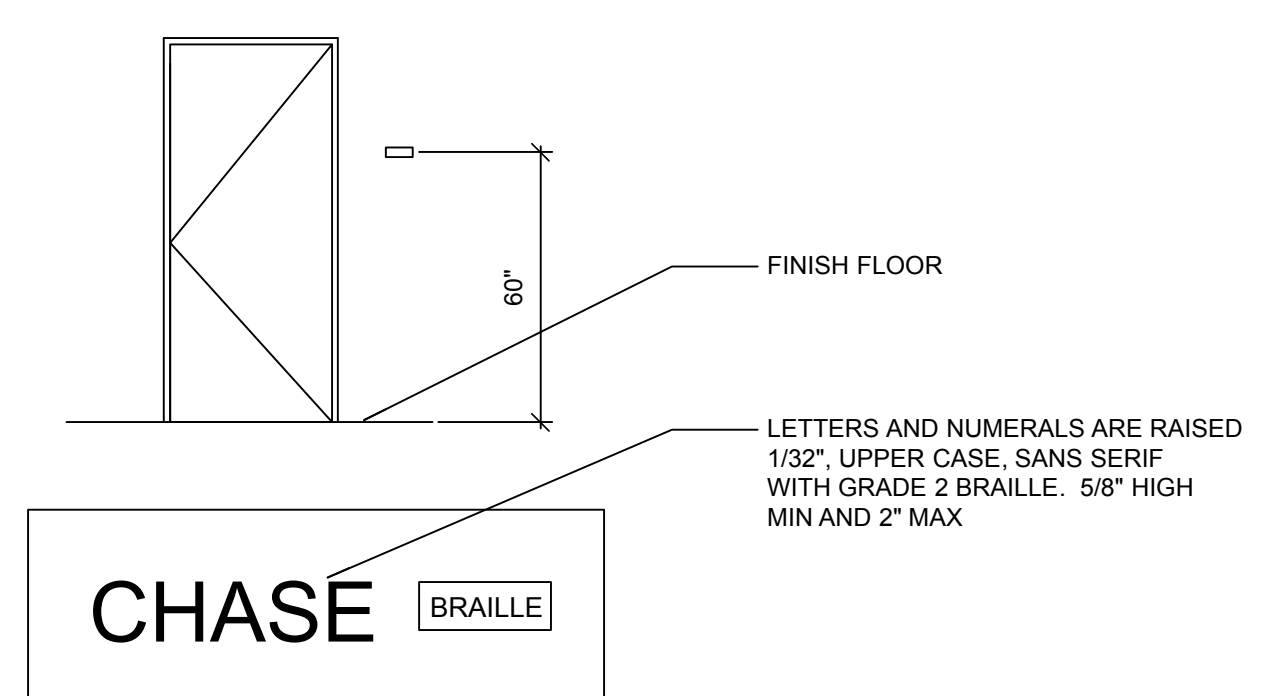
CONTROLS & OPERATING MECHANISMS SHALL COMPLY WITH CBC 1117B.6.1,3,4

ACCESSIBLE MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0" 6



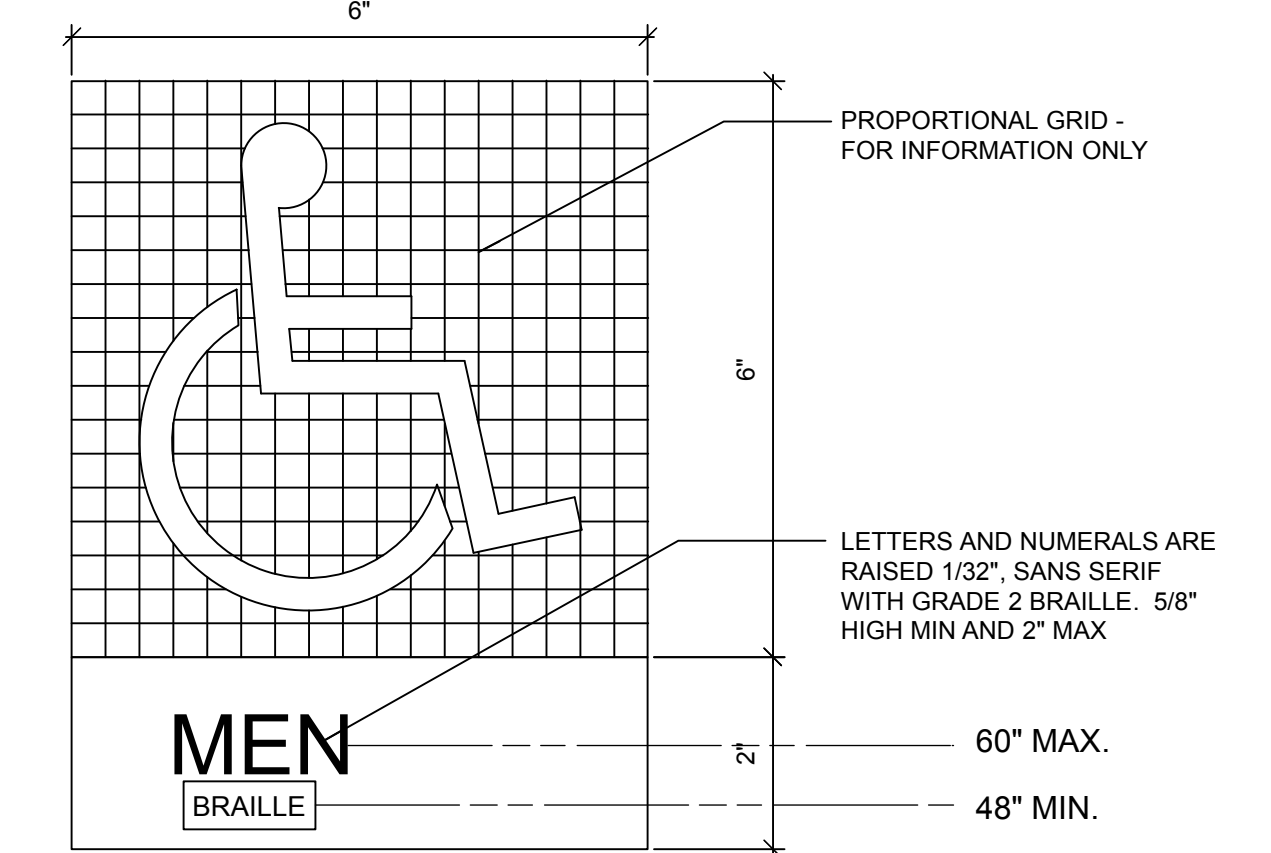
NOTE:
1. INSULATE HOT WATER AND DRAIN PIPES.
2. FAUCET CONTROLS TO BE LEVER TYPE WITH MAXIMUM OPERATING FORCE OF 5 LBF.
3. SELF-CLOSING VALVES TO REMAIN OPEN MINIMUM OF 10 SECONDS.
4. FAUCET CONTROLS & OPERATING MECHANISMS SHALL COMPLY WITH CBC 11B-309

LAVATORY CLEARANCES
SCALE: 1/2" = 1'-0" 7



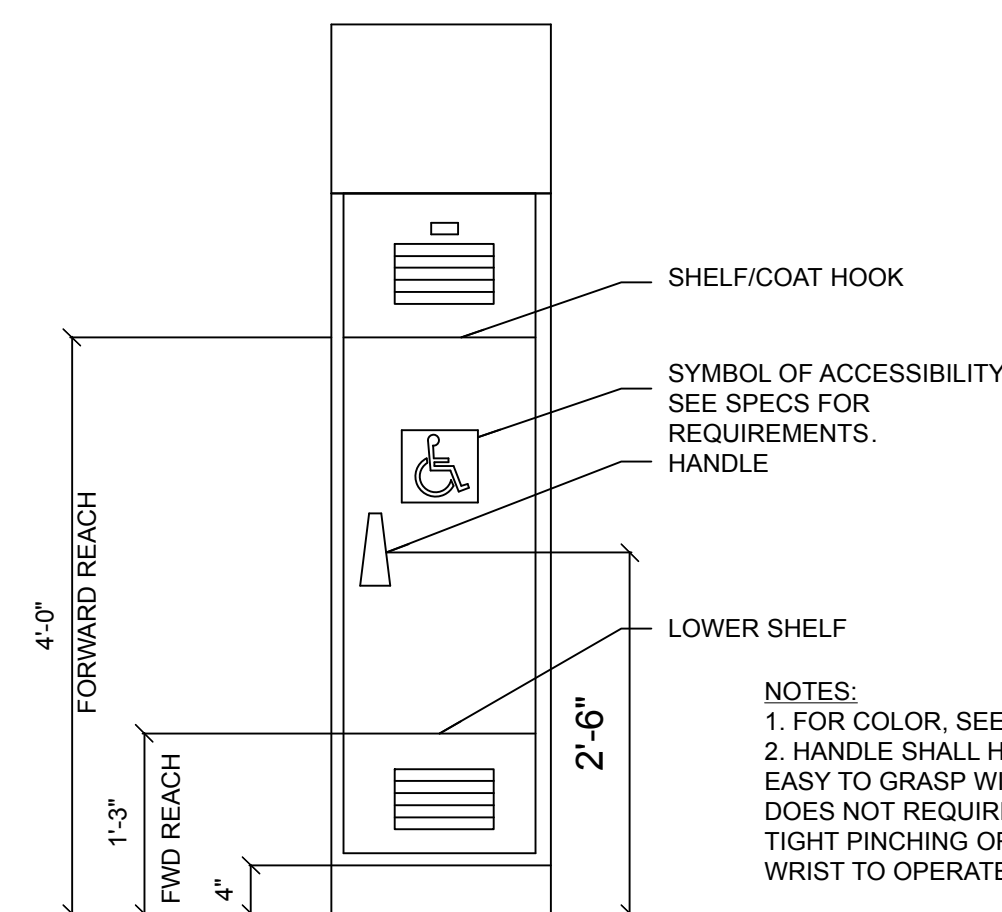
NOTE:
1. WALL MOUNT CENTERED 60" ABOVE FINISH FLOOR, ON LATCH SIDE OF DOOR.
2. CHARACTERS AND BACKGROUND TO HAVE NON-GLARE FINISH AND CONTRASTING COLOR TO WALL.
3. SEE SIGNAGE DESIGN DRAWINGS FOR SIZE, MATERIALS AND LAYOUT.

PERMANENT ROOM SIGN
SCALE: 6" = 1'-0" 2



NOTE:
1. WALL MOUNT CENTERED 60" ABOVE FINISH FLOOR, ON LATCH SIDE OF DOOR.
2. CHARACTERS AND BACKGROUND TO HAVE NON-GLARE FINISH AND CONTRASTING COLOR TO WALL.

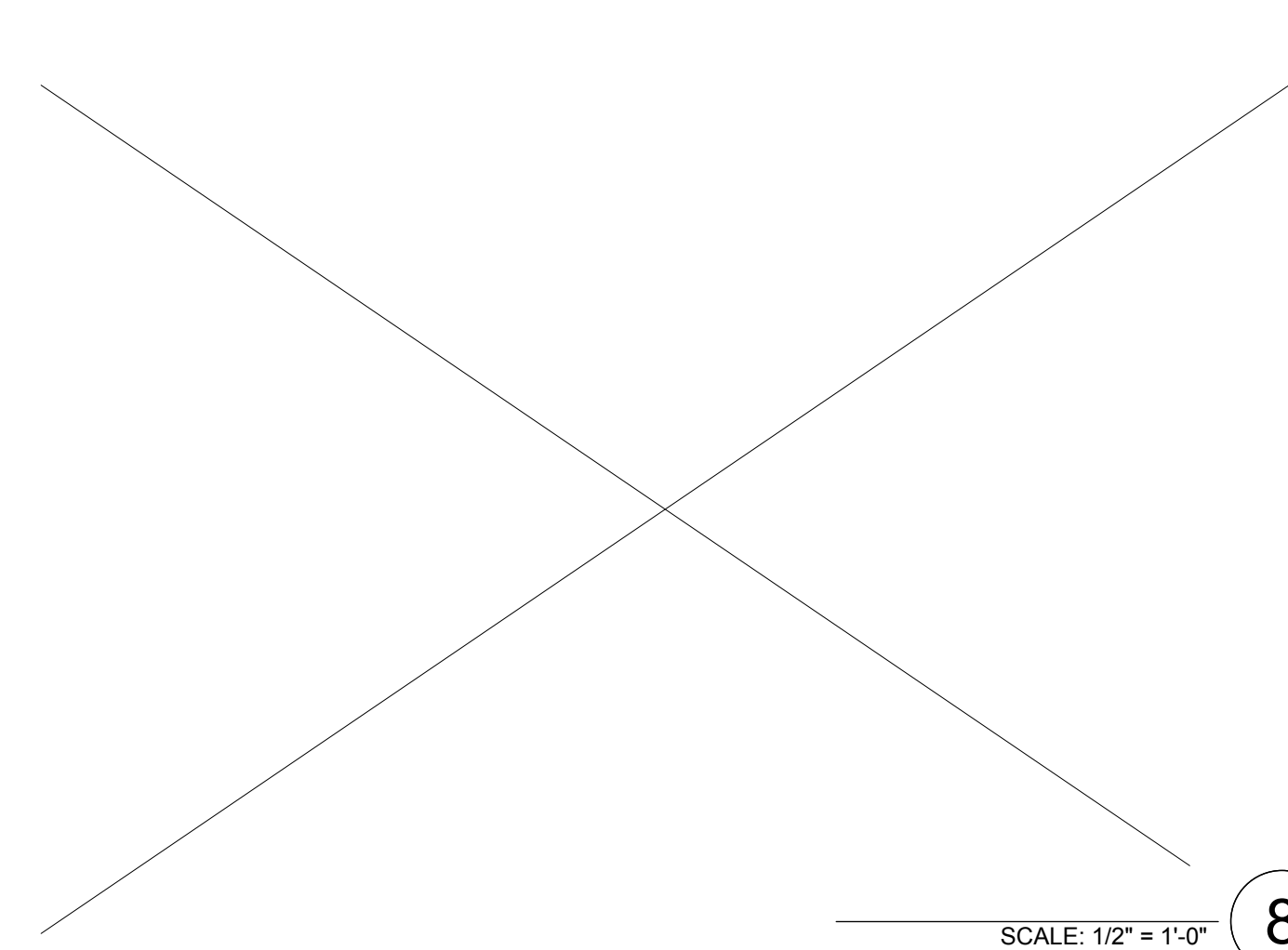
TOILET WALL SIGN
SCALE: 6" = 1'-0" 3



NOTE:
1. FOR COLOR, SEE SPECIFICATION.
2. HANDLE SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

ACCESSIBLE LOCKER
SCALE: 3/4" = 1'-0" 11

ACCESSIBILITY NOTES 11



NOTE:
1. MAXIMUM PRESSURE TO OPERATE FLUSH VALVE IS 5 POUNDS.
2. WALLS WITHIN 24" OF FRONT AND SIDES OF URINAL ARE SMOOTH AND NON-ABSORBANT TO 48" MIN IN HEIGHT AND NOT ADVERSELY AFFECTED BY MOISTURE.

URINAL CLEARANCES
SCALE: 1/2" = 1'-0" 4



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CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY	
SIGNATURE	DATE
DIRECTOR OF WATER AND SANITATION	
SIGNATURE	DATE
PROJECT MANAGER	
SIGNATURE	DATE

CONSULTANT	
SIGNATURE	DATE

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PROJECT NO.	

ACCESSABILITY INFO

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PLUMBING FIXTURE SCHEDULE

GENERAL NOTES

SYMBOL	DESCRIPTION	REMARKS
	WATER CLOSET	WALL HUNG BLOWOUT JET TOILET, COMPACT BOWL, 128 GALLONS PER FLUSH, 14 GAGE STAINLESS STEEL. ACORN PENAL – WARE MODEL 1679-W-1-HEF-FVBO-ADA-FVT-HET-HS-SW. WITH WALL (CONCEALED) SUPPLY, HINGED SEAT OPEN FRONT WITHOUT COVER, FLUSH VALVE THRU WALL CONNECTOR, 14 GAGE HOUSING WALL, WALL SLEEVE, AND CAP NUTS WITH COMPACT VERTICAL FIXTURE SUPPORT CARRIER – JR SMITH 0497Y – 4 INCH DRAIN AND 4 INCH VENT WITH 4 INCH LEANOUT ABOVE CARRIER.
	FLUSH VALVE	1.28 GALLON PER FLUSH, CONCEALED THROUGH THE WALL CONSTRUCTION. SLOAN ROYAL 143-1.28 FOR ADA INSTALLATION, WITH HANDLE ON WIDE SIDE.
	URINAL	ELKAY MODEL EU4814C 14 GAUGE 304 STAINLESS STEEL URINAL.
	FLUSH VALVE	1/8 GALLON PER FLUSH, CONCEALED THROUGH THE WALL CONSTRUCTION. SLOAN ROYAL 195-0.125
	LAVATORY	WALL MOUNTED, 16 GAGE STAINLESS, 18x12 ADA, ACORN DURA – WARE MODEL 1953-ADA-1-9-H24-TE, WITHOUT VALVES, 2 FAUCET HOLES – 4 CENTERSET WITH GRID STRAINER AND TRAP ENCLOSURE.
	FAUCET	METERING, 4 INCH CENTERS, LEAD-FREE, CHICAGO 3400-ABCP 0.5 GPM, SET TO OPEN FOR 10 SECONDS (CONNECT TO POTABLE WATER ONLY).
	HOSE BIBB	WOODFORD 24P POLISHED CHROME WITH ANTI-SIPHON VACUUM BREAKER AND LOOSE TEE KEY (CONNECT TO POTABLE WATER ONLY).
	FLOOR DRAIN	JR SMITH MODEL #2450Y-SSB-NB OR EQUAL, STAINLESS STEEL WITH STAINLESS STEEL PERFORATED BUCKET, NO-HUP OUTLET AND AUXILIARY INLET FITTING FOR TRAP PRIMER CONNECTION.
	TRAP PRIMER	MIFAB M0500, INSTALL IN COLD WATER LINE, INSTALL W/MI-DU DISTRIBUTION UNIT WHERE MULTIPLE TRAPS ARE SERVED.
	WATER HAMMER ARRESTOR	JR SMITH 5010, ZURN-Z-1700 #200 OR EQUAL.
	SHUT OFF VALVE	LEAD-FREE, BALL VALVE, NIBCO MODEL S-685-66-LF.
	SHUT OFF VALVE	SPEARS PVC BALL VALVES, SLIP. IN TRAFFIC RATED BOX WITH CAST IRON COVER, LABEL THE COVER "WATER".
	SHUT OFF VALVE	SPEARS PVC BALL VALVES, SLIP, PAINT PURPLE. IN TRAFFIC RATED BOX WITH CAST IRON TRIANGULA COVER, LABEL THE COVER "RW". ADD LABEL TO VALVE: "CAUTION: RECYCLED WATER, DO NOT DRINK".
	SHUT OFF VALVE	LEAD-FREE, BALL VALVE, NIBCO MODEL S-685-66-LF. LABEL VALVE: "CAUTION: RECYCLED WATER, DO NOT DRINK".

- CONTRACTOR SHALL VERIFY CONDITIONS ON SITE PRIOR TO BID.
- WASTE: CAST IRON WITH NO HUB FITTING
HOT WATER AND COLD WATER: TYP L COPPER
VENT: GALVANIZED STEEL
- FOR EXACT LOCATION AND ELEVATION OF PLUMBING FIXTURES SEE ARCHITECTURAL DRAWINGS.
- NO HOLES SHALL BE DRILLED OR CUT THROUGH ANY STRUCTURAL ELEMENT WITHOUT APPROVAL FROM ARCHITECT.
- SLEEVE AND GROUT ALL PIPE PENETRATIONS THROUGH FLOOR OR WALLS.
- ALL SOIL AND WASTE PIPE SHALL BE SLOPED DOWN 2% UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL PLUMBING EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION IN ACCORDANCE WITH SECTION 2-5814 (2).
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- AS A MINIMUM STANDARD, ALL WORK SHALL MEET THE REQUIREMENTS OF THE UNIFORM PLUMBING CODE, 2013.
- PROVIDE "Y" METHOD OF CONNECTING BUILDING SEWER TO MAIN LINE SEWER.
- ALL REQUIRED CLEANOUTS SHALL BE INSTALLED AS SEC. 707.0 & 719.0 OF THE PLUMBING CODE.
- PLUMBING VENT SHALL TERMINATE NOT LESS THAN TEN (10) FEET FROM OR AT LEAST THREE (3) FEET ABOVE ANY WINDOW DOOR, OPENING AIR INTAKE OR VENT SHAFT.
- ALL PLUMBING FIXTURE FITTINGS SHALL MEET THE STANDARDS REFERENCED IN TABLE 5.503.6.
- EACH BUILDING SHALL HAVE A SEPARATE CONNECTION TO THE PUBLIC SEWER.
- THE NEW POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO THE METHOD SET IN SECTION 609.9 OF THE PLUMBING CODE.
- THE SHOWERS AND TUB-SHOWER COMBINATIONS SHALL BE PROVIDED WITH INDIVIDUAL CONTROL VALVES OF THE PRESSURE BALANCE/THERMOSTATIC MIXING VALVE TYPE. HANDLE POSITION STOPS SHALL BE ADJUSTED TO DELIVER A MAXIMUM MIXED WATER SETTING 120°F.

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**CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL**

COLD WATER PRESSURE & SIZING CALCULATION

1	WATER PRESSURE AVAILABLE AT WATER MAIN (HI: 108 PSI, LOW: 78 PSI)	-	PSIG
2	PRESSURE LOSS THROUGH METER (2" SIZE)	-	PSIG
3	PRESSURE LOSS THROUGH BACKFLOW PREVENTER (WIKINS 975 XL - 2" SIZE)	-	PSIG
4	PRESSURE AVAILABLE AFTER PRV DEVICE	80	PSIG
5	PRESSURE LOSS DUE TO HEIGHT (10 Ftx.43)	5	PSIG
6	PRESSURE REQUIRED AT FURTHEST OUTLET (FLUSH VALVE)	30	PSIG
7	SUB-TOTAL PRESSURE LOSS	35	PSIG
8	PRESSURE LEFT FOR SYSTEM PIPING LOSS	45	PSIG
9	TOTAL MEASURED LENGTH OF PIPE	38	FT
10	ALLOW FOR PIPE FITTING (20%)	8	FT
11	TOTAL EQUIVALENT LENGTH OF PIPE	46	FT
12	PRESSURE AVAILABLE (45 + 35x100)	130	PSIG/100FT
13	TOTAL FIXTURE UNIT 34.5	44	GPM
14	USING UPC CHART A-6 SIZE OF COLD WATER MAIN SHALL BE:	2	INCH
15			

WATER CONSUMPTION CALCULATION

FIXTURE TYPE	QUANTITY	F.U.	TOTAL	REMARKS
WATER CLOSET (FLUSH VALVE)	4	5	20	
URINAL	1	4	4	
LAVATORY	3	1	3	
HOSE BIBB	3	2.5	7.5	
TOTAL			34.5	44 GPM, REQUIRE 2" LINE

FIXTURE FLOW RATE

FIXTURE TYPE	MAXIMUM FLOW RATES
FLUSHMETER VALVE WATER-CLOSETS	1.28 GALLONS/FLUSH
URINALS	0.125 GALLONS/FLUSH
LAVATORY FAUCETS, NONRESIDENTIAL	0.5 GPM @ 60 PSI
METERING FAUCETS	0.2 GALLONS/CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	.20 (RIM SPACE (IN.) / 20 GPM @ 60 PSI)

LEGEND

SYMBOLS	ABBREV.	IDENTIFICATION
	CW	PIPE OR EQUIPMENT COLD WATER
	HW	HOT WATER
	V	VENT PIPE
	W/S	WASTE OR SEWER
	VTR	VENT THRU ROOF
		PIPE RISER DOWN
		PIPE RISER UP
	FCO	FLOOR CLEAN OUT
	WCO	WALL CLEAN OUT
	SOV	SHUT OFF VALVE
	P.O.C.	POINT OF CONNECTION
	FLR.	FLOOR
	A.P.	ACCESS PANEL

SCOPE OF WORK

- PROVIDE PIPING AND PLUMBING FIXTURES FOR NEW RESTROOMS.

DIRECTOR OF PUBLIC WORKS AGENCY
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PROJECT MANAGER
SIGNATURE _____ DATE _____

CONSULTANT

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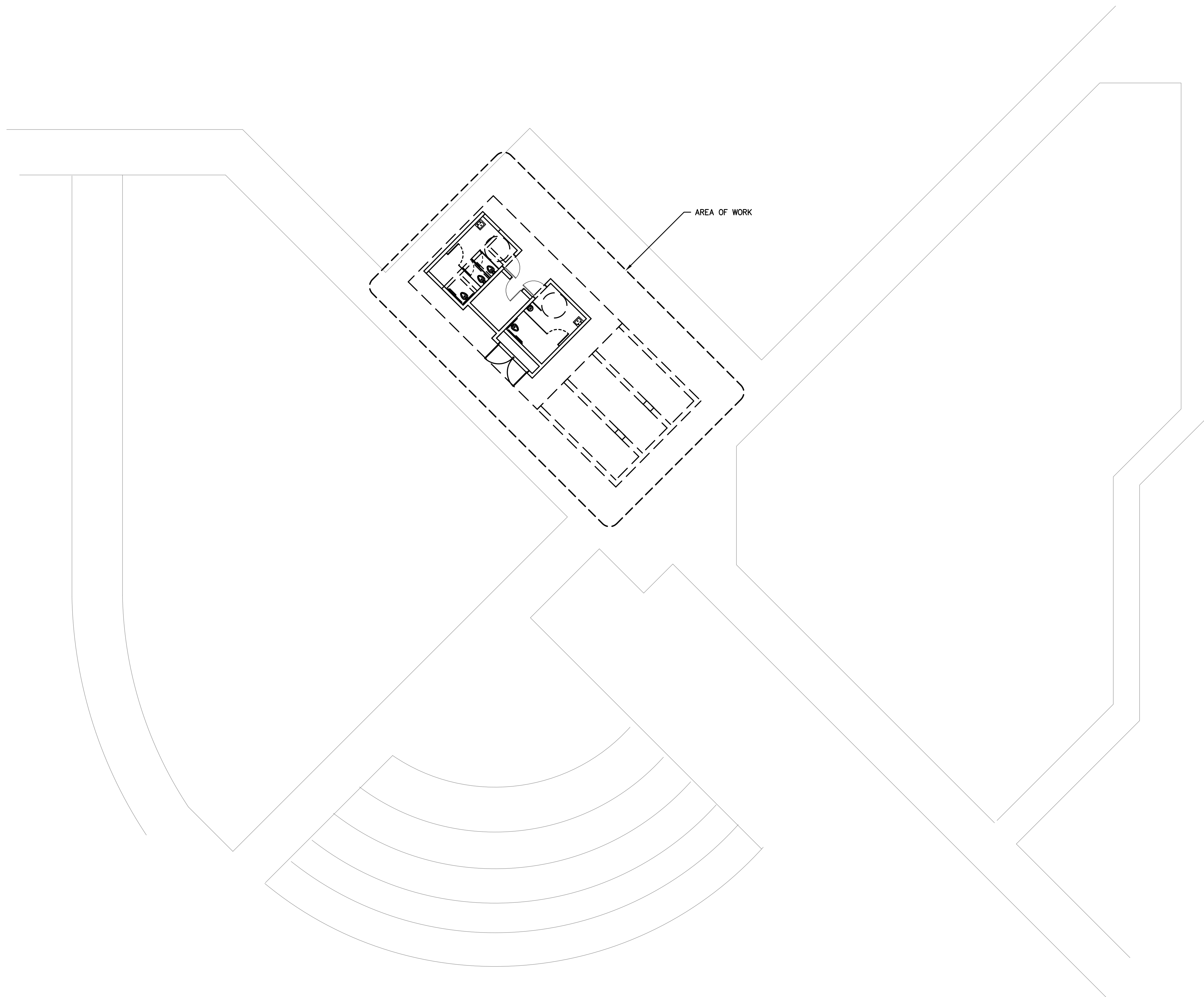
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**NOTES, LEGENDS, AND
PLUMBING FIXTURE
SCHEDULE**

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 ENGINEERING, INC.
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**CITY OF CAMARILLO
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**SITE PLAN
- PLUMBING**

SHEET
P 2.00

PARTIAL SITE PLAN - PLUMBING
SCALE: 3/32" = 1'-0"



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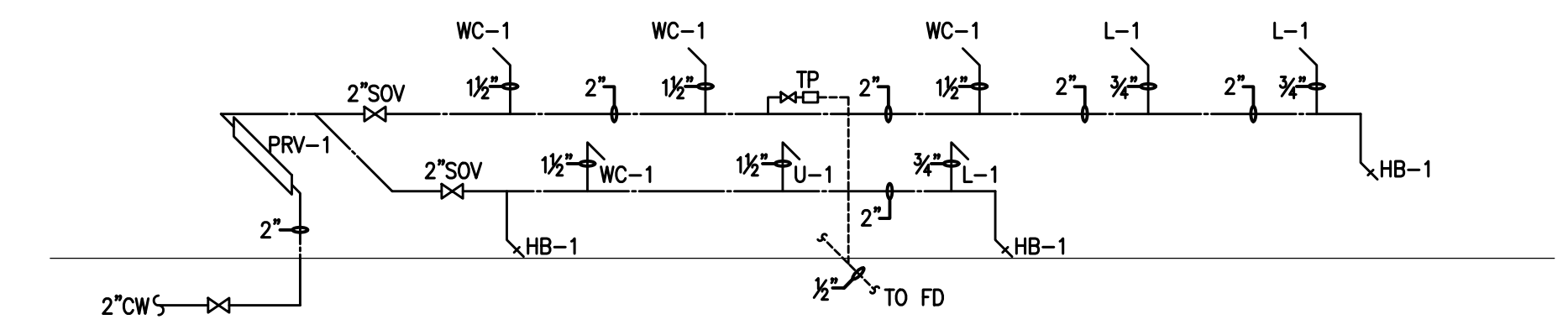
CONSULTANT
SIGNATURE _____ DATE _____

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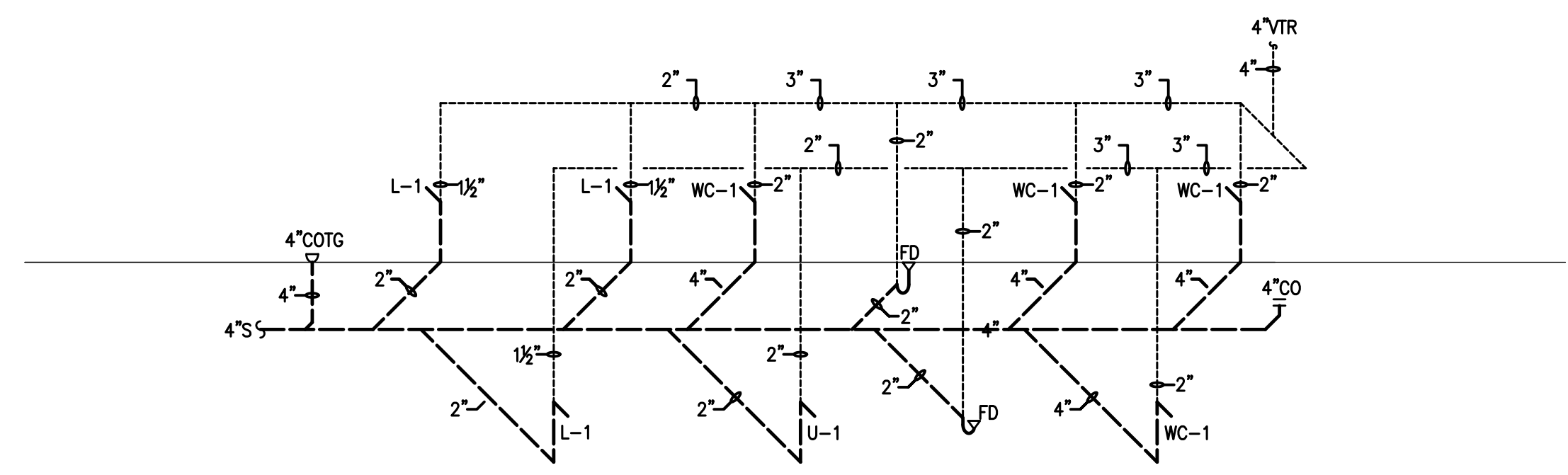
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FLOOR PLANS
- PLUMBING

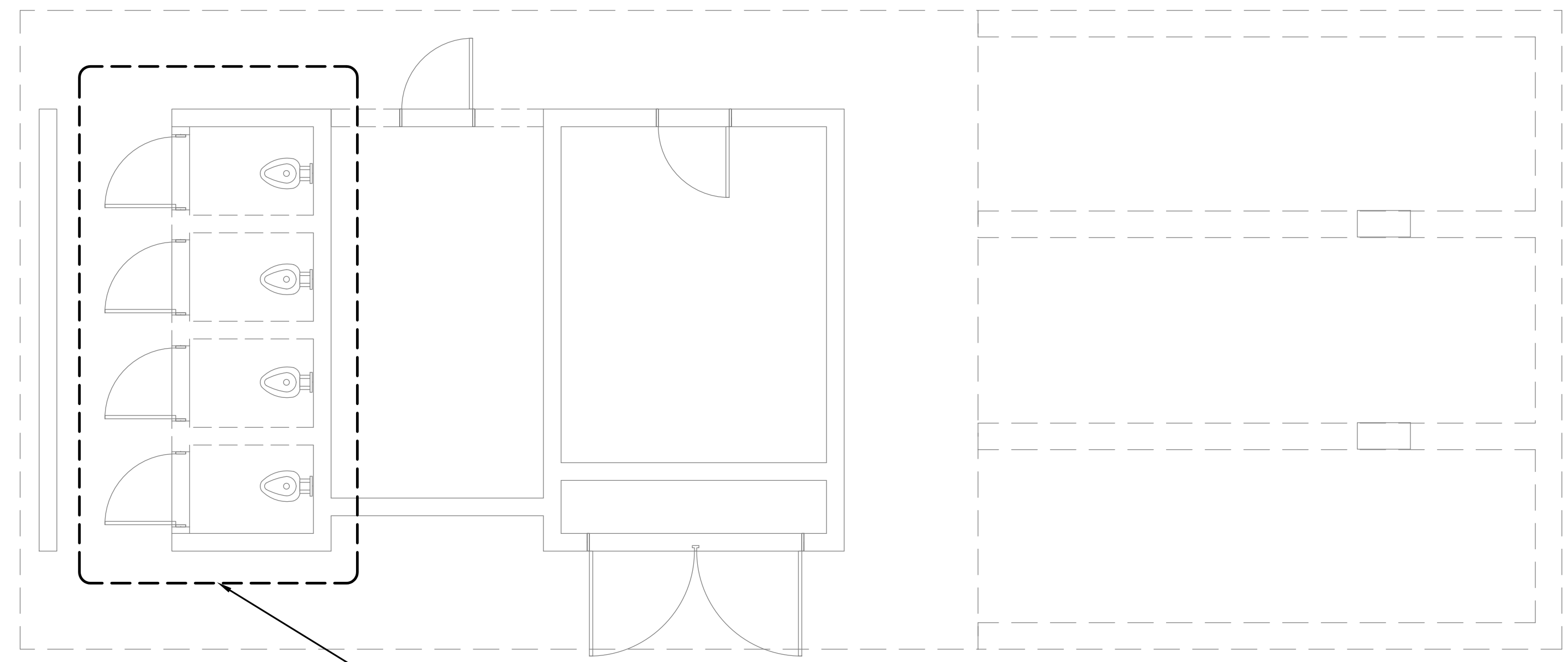
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2 COLD WATER PIPING RISER
SCALE: NOT TO SCALE

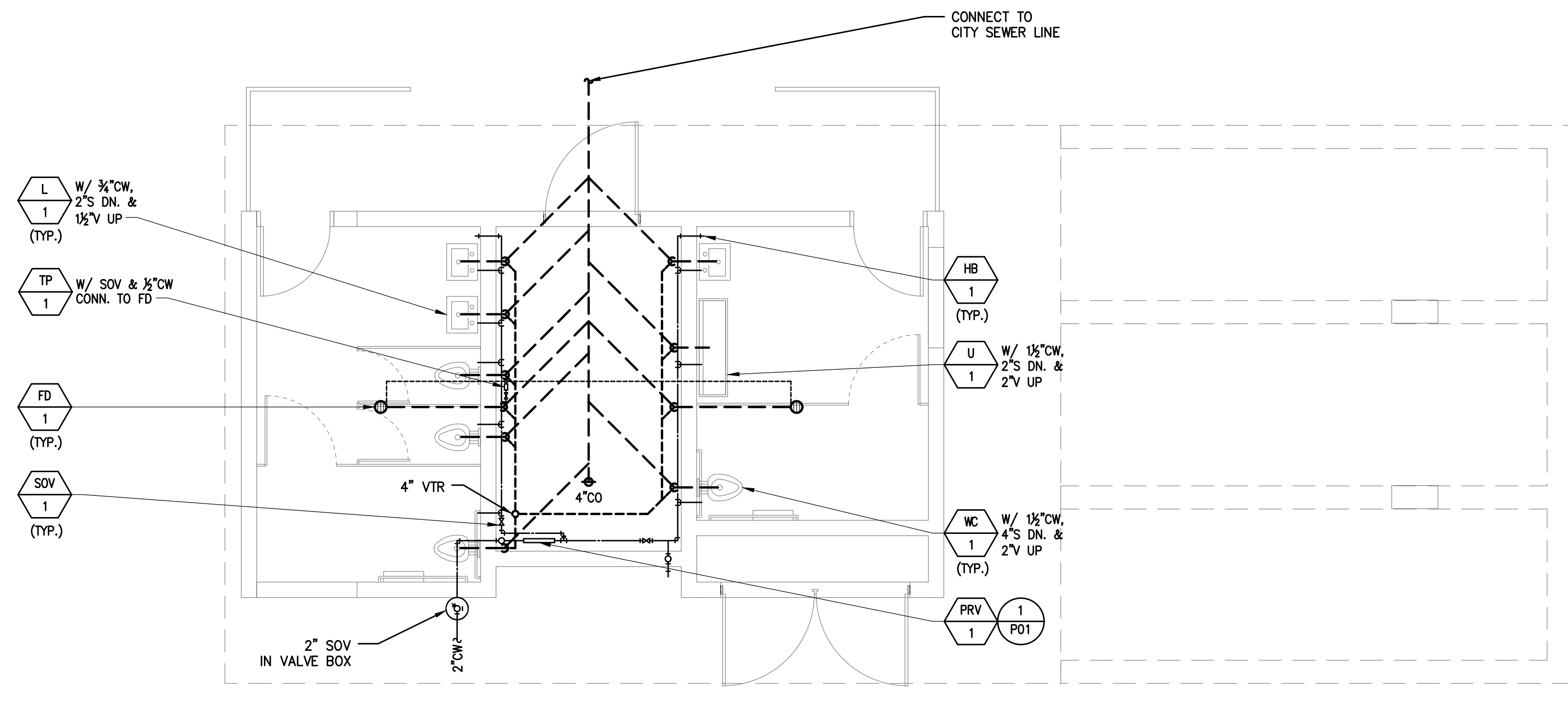


3 SEWER AND VENT PIPING DIAGRAM
SCALE: NOT TO SCALE



EXISTING PLUMBING FIXTURES AND PIPING
TO BE GUTTED AND REMOVED

FLOOR PLAN - PLUMBING DEMOLITION
SCALE: 1/4" = 1'-0"



FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



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PLUMBING SPECIFICATIONS

- 1.1 **SCOPE OF WORK:** THIS WORK INCLUDES THE FURNISHINGS AND INSTALLATION OF PLUMBING SYSTEMS AS HEREIN SPECIFIED AND AS INDICATED ON THE DRAWINGS. THE ITEMS OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING PRINCIPAL ITEMS:
- A. ARRANGE FOR AND PAY FOR ALL PERMITS AND INSPECTIONS.
 - B. FIXTURES AND EQUIPMENT INCLUDED IN PLUMBING SCHEDULE OR INDICATED ON DRAWINGS.
 - C. DOMESTIC COLD WATER SYSTEMS.
 - D. WASTE AND VENT PIPING SYSTEM.
 - E. SLEEVES, HANGERS, AND SEISMIC BRACING FOR PIPING SYSTEMS.
 - F. DEMOLITION OF PIPING, FIXTURES, AND EQUIPMENT AS INDICATED OR NECESSARY.
 - G. TESTING.
 - H. EXCAVATION AND BACKFILL.

1.2 **SUBMITTALS:** SUBMITTAL BROCHURES SHALL INCLUDE THE FOLLOWING ITEMS:

- A. **PIPING MATERIAL:** WASTE AND VENT, DOMESTIC COLD AND HOT WATER.
- B. **PIPING ACCESSORIES:** HANGERS, HANGERS SUPPORTS, INSULATION.
- C. ACCESS PANELS.

2.1 **PIPING SYSTEM**

- A. **SEWER, WASTE PIPING, STORM DRAIN AND OVERFLOW PIPING:** HUBLESS CAST IRON PIPE AND FITTINGS WITH STAINLESS STEEL COMPRESSION COUPLINGS AS MANUFACTURED BY TYLER PIPE CO., CONFORMING TO THE STANDARDS CONTAINED IN THE CAST IRON SOIL PIPE INSTITUTE STANDARD 301-78 AND ACCEPTABLE TO JAPMO.
- B. **VENT PIPING:** 1-1/2 INCHES DIAMETER, SCHEDULE 40 GALVANIZED STEEL WITH CAST IRON DRAINAGE FITTINGS OR HUBLESS PIPING.
- C. **VENT PIPING:** 2 INCHES AND LARGER, HUBLESS CAST IRON PIPING, CONFORMING TO CISPI STANDARD 301-78.
- D. **DOMESTIC COLD AND HOT WATER PIPING ABOVE GRADE:** ASTM B88, TYPE "L" SEAMLESS HARD DRAWN COPPER TUBING WITH ASTM B16.22 WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH LEAD-FREE TIN-ZINC ALLOY SOLDER SUCH AS HARRIS STAY-SAFE 50. FLANGES, BRONZE SOLDER JOINT, ANSI 150 LB.
- E. **DOMESTIC COLD AND HOT WATER PIPING BELOW GRADE:** ASTM B88, TYPE "K" SEAMLESS HARD DRAWN COPPER TUBING WITH ASTM B16.22 WROUGHT COPPER FITTINGS. JOINTS SHALL BE BRAZED WITH ENGELHARD SILVABRITE 100 LEAD-FREE SOLDER; ASTM CORROSIVE WATER D 1384 TEST MAXIMUM 0.31 MILS/YEAR.
- F. **HANGERS, SUPPORTS, BRACKETS AND PLATES:**
 - 1. **HANGER ISOLATION:** ALL COPPER PIPING LINES SHALL HAVE "SEMCO" TRISOLATORS BETWEEN THE HANGER OR BRACKET AND THE PIPE.
 - 2. **SUPPORTS:** SUPPORTS FOR VERTICAL PIPING SHALL BE "GRINNELL" FIG.261 "FEE AND MASON" FIG.236 OR "CARPENTER PATERSON" FIG.126 SPLIT CLAMPS BOLTED AROUND THE PIPE AND RESTING ON THE FLOOR SLAB.
 - 3. **BRACKETS:** STAND-OFF BRACKETS FOR VERTICAL LINE OF PIPING AND VALVE ASSEMBLIES SHALL BE "CARPENTER-PATERSON" FIG.179 OR "FEE AND MASON" FIG.368 OFFSET PIPE CLAMPS.
 - 4. **PLATES:** WHERE EXPOSED PIPES PASS THROUGH WALLS, FLOOR AND CEILINGS, THEY SHALL BE FITTED WITH "BEATON & CADWELL MFG. CO." NO.3-A FACTORY FINISH SPLIT WALL PLATES FASTENED TO THE PIPE WITH A SET SCREW. ALL PLATES SHALL BE LARGE ENOUGH TO COVER THE OPENINGS AROUND THE PIPE.
 - 5. **SEISMIC BRACING:** WHERE HANGER RODS ON HORIZONTAL RUNS OF PIPE ARE 24 INCHES IN LENGTH OR LONGER, THERE SHALL BE ONE 3/16" X 1" STEEL STAY BOLTED TO EACH PIPE HANGER CLAMP AND ANCHORED TO THE WALL OR CEILING. STAYS TO CEILING SHALL RISE AT A 45 DEGREE ANGLE AND BE ANCHORED WITH 5/16" BOLTS IN CINCH LEAD ANCHORS FOR CONCRETE CONSTRUCTION; FOR STEEL CONSTRUCTION CLAMP WITH BEAMS. ALTERNATE STAYS SHALL BE INSTALLED ON OPPOSITE SIDES.

2.2 **VALVES**

- A. PROVIDE AND INSTALL VALVES REQUIRED FOR DRAINING AND FULL CONTROL OF ALL PIPING AND EQUIPMENT. VALVES SHALL BE ONE OF THE FOLLOWING MAKES FOR THE VARIOUS CONDITIONS AND POSITIONS REQUIRED: "CRANE", "WALWORTH", "JENKINS", OR "NIBCO". ALL VALVES OF ONE TYPE SHALL BE OF ONE MANUFACTURER.
- B. REFERENCE TO VARIOUS VALVES BY ONE MANUFACTURER'S NUMBER IS TO ESTABLISH THE TYPE REQUIRED. EQUAL PRODUCTS BY OTHER MANUFACTURERS NAMED WILL BE ACCEPTED.

2.3 **INSULATION:** HOT WATER PIPING:

- A. ALL PIPING SHALL BE COVERED WITH ONE 1/2 INCH THICKNESS GUSTON-BACON SNAP-ON PIPE INSULATION OR EQUIVALENT FIBERGLASS, JOHN'S-MANSVILLE OR PITTSBURGH-CORNING. COVERING SHALL BE ONE INCH THICKNESS. CANVAS COVERED WITH THE CANVAS SECURELY CEMENTED IN PLACE. ALL COVERING SHALL BE CONTINUOUS THROUGH SLEEVES AND AT SUPPORT LOCATIONS. ON EXPOSED LINES THE LAP OF THE CANVAS SHALL BE PLACED NEXT TO WALL OR CEILING.
- B. ALL CEMENTED JOINTS SHALL BE SMOOTHLY MADE AND FINISHED OFF SO THAT NO RAGGED OR UNEVEN JOINTS SHOW. THE OUTSIDE OF THE COVERING WHERE EXPOSED IN ROOMS SHALL BE GIVEN ONE COAT OF SIZE. METAL BANDING WILL NOT BE PERMITTED.
- C. INSULATED PIPING SHALL BE ISOLATED FROM HANGERS, SUPPORTS AND SLEEVES BY INSTALLING SAME OUTSIDE OF THE COVERING USING A RIGID INSERT SECTION, COMPLETELY SURROUNDING THE PIPE, OF A LENGTH OF NOT LESS THAN TWO PIPE DIAMETERS OR 2" LONGER THAN THE SLEEVE. COVER SHIELDS OF NO.20 GAUGE INSTALLED BETWEEN THE SUPPORT AND COVER. INSUL-SHIELD MAY BE USED AT THE GALVANIZED STEEL SHALL BE CONTRACTOR'S OPTION.

2.4 **FIXTURES:** SEE PLANS FOR FIXTURE DETAILS.

2.5 **CLEANERS**

- A. FURNISH AND INSTALL CLEANOUTS AT ALL BENDS, ANGLES UPPER TERMINALS OF ALL SOIL AND WASTE PIPING AND NOT OVER FIFTY FEET APART IN ANY LINEAL RUN OF PIPING, AT THE BOTTOM OF ALL ROOF LEADERS AND AT SUCH OTHER POINTS IN THE SOIL, WASTE, STORM DRAIN AND LEADER LINES AS INDICATED ON THE DRAWINGS. CLEANOUTS SHALL BE LOCATED NOT LESS THAN 18" FROM BUILDING CONSTRUCTION SO AS TO PROVIDE SUFFICIENT SPACE FOR RODDING.
- B. ALL CLEANOUTS SHALL BE SET FLUSH WITH THE FINISHED FLOOR, WALL, SURFACE OR GRADE. ALL CLEANOUTS SHALL HAVE EXTRA HEAVY CAST IRON BODIES WITH EXTRA HEAVY CAST BRONZE PLOGS. FLOOR CLEANOUTS SHALL HAVE ADJUSTABLE WATERTIGHT COVERS WITH NONSKID TOPS. WHEN WATERPROOFING MEMBRANE IS USED IN THE FLOOR THE CLEANOUT BODY SHALL BE PROVIDED WITH AN INTEGRAL ANCHORING FLANGE TO WHICH THE MEMBRANE SHALL BE ATTACHED WITH HEAVY CLAMPING COLLAR AND RUST-PROOFED BOLTS. EXTERIOR CLEANOUTS, IN NON-SURFACED AREAS, SHALL HAVE THE CLEANOUT BODY SET FOUR INCHES BELOW THE HOUSING ANCHORING FLANGE SIZE INCHES BELOW THE FINISHED GRADE. CLEANOUTS SHALL BE AS FOLLOWS:
 - 1. **FINISHED ROOM FLOORS:** FURNISH AND INSTALL SMITH NO.4023 CAST IRON ADJUSTABLE FLOOR-LEVEL CLEANOUT ASSEMBLY WITH ROUND NICKLE-BRONZE TOP.
 - 2. **LINOLEUM OR ASPHALT TILE FLOORS:** FURNISH AND INSTALL SMITH NO. 4143 CAST IRON ADJUSTABLE FLOOR LEVEL CLEANOUT ASSEMBLY WITH ROUND NICKLE-BRONZE TOPS.
 - 3. **TERRAZZO FLOOR:** FURNISH AND INSTALL SMITH NO.4183 CAST IRON ADJUSTABLE FLOOR LEVEL CLEANOUT ASSEMBLY WITH ROUND NICKLE-BRONZE TOP WITH CENTER-LIFTING DEVICE. TOP DEPRESSION TO BE FILLED WITH TERRAZZO AND FINISHED.

- 4. **UNFINISHED FLOORS:** FURNISH AND INSTALL SMITH NO.4223 ALL CAST IRON ADJUSTABLE FLOOR LEVEL CLEANOUT ASSEMBLY WITH ROUND HEAVY DUTY TOP.
- 5. **ABOVE GROUND CAULK FERRULE CLEANOUT:** FURNISH AND INSTALL SMITH NO. 4221 CAST IRON FERRULE WITH COUNTERSUNK BRONZE PLUG. SMITH NO.4471 FOR PLUG ONLY.
- 6. **WALL CLEANOUTS-BLOCK DRY WALL OR TILE:** FURNISH AND INSTALL SMITH NO.4563 CAST IRON CLEANOUT TEE WITH COUNTERSUNK BRONZE PLUG AND PRIME-COATED STEEL ACCESS COVER WITH CONCEALED HINGE AND REMOVABLE DOOR. FOR TILE WALLS FURNISH SMITH NO. 4583 WITH 18-8 STAINLESS STEEL ACCESS COVER, NO.4 FINISH.
- C. IN LOCATIONS WHERE FURRING SPACE IS LIMITED, 26 GAUGE GALVANIZED STEEL SLEEVE SHALL BE INSTALLED.
- D. AFTER ALL TESTS ARE COMPLETED, CONTRACTOR SHALL REMOVE EACH CLEANOUT PLUG, COAT WITH EMULSIFIED LEAD PASTE, AND REINSTALL JUST TIGHT ENOUGH TO ASSURE A GAS AND WATER TIGHT SEAL.

2.6 **EXECUTIONS**

- A. INSPECT THE ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, SPECIAL SYSTEMS AND HVAC DRAWINGS AND SPECIFICATIONS TO BECOME FAMILIAR WITH THE CLASS OF BUILDING CONSTRUCTION AND TO COORDINATE WITH THE WORK OF OTHERS.
- B. ALL APPARATUS, FIXTURES, DEVICES, AND APPLIANCES WHICH REQUIRE PIPE CONNECTIONS SHALL BE SO EQUIPPED AND EACH PROVIDED WITH SPECIAL APPARATUS AS INDICATED ON THE DRAWINGS OR ELSEWHERE SPECIFIED. WHERE SUCH CONNECTIONS SHALL BE MADE IN THE USUAL MANNER RECOMMENDED BY THE MANUFACTURER OF EACH SUCH EQUIPMENT.
- C. REDUCED FITTINGS SHALL BE USED IN LIEU OF BUSHINGS. CLOSE NIPPLES WILL NOT BE PERMITTED.
- D. PIPE LINES SHALL BE INSTALLED IN THE LOCATIONS AND OF THE SIZES SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN AND OF THE MATERIALS AND WORKMANSHIP HEREIN SPECIFIED AND SHALL BE FREE FROM ALL STAIN, OAKUM, LEAD, TOOL MARKS OR OTHER FOREIGN SUBSTANCES.
- E. ALL EXPOSED PIPING IN ROOMS SHALL BE INSTALLED PARALLEL TO OR AT RIGHT ANGLES TO THE BUILDING WALLS. ALL PIPE LINES SHALL BE INSTALLED FREE FROM TRAPS AND AIR POCKETS AND TRUE TO LINE AND GRADE. ALL HORIZONTAL LINES SHALL BE INSTALLED AS CLOSE TO THE BUILDING CONSTRUCTION AS POSSIBLE SO AS TO LEAVE THE GREATEST POSSIBLE HEAD ROOM UNDER THEM.
- F. COPPER TUBE WATER LINES SHALL BE FITTED WITH DROP EAR ELBOWS SECURELY ANCHORED TO THE BUILDING FRAMING AT EACH FIXTURE SUPPLY STUB-OUT. STUB-OUT NIPPLES SHALL BE I.P.S. BRASS PIPE.
- G. WHERE PIPES OF TWO DISSIMILAR METALS ARE JOINED, "MALLORY" DIELECTRIC COUPLING OR APPROVED EQUAL SHALL BE INSTALLED.
- H. SAW CUT OR CORE DRILL EXISTING SLABS OR WALLS TO INSTALL PIPES, EQUIPMENT OR FIXTURES.

2.7

- A. DRAINAGE PIPING SHALL BE TESTED AND PROVED TIGHT UNDER OPERATING CONDITIONS PRIOR TO REPLACING ANY CEILING.
- B. WATER PIPING SHALL BE TESTED AND PROVED TIGHT UNDER A HYDRAULIC PRESSURE OF 125 POUNDS PER SQUARE INCH FOR A PERIOD OF NOT LESS THAN ONE HOUR.
- C. ALL WATER PIPING AND PUMPED DRAIN OR FORCED MAIN PIPING SHALL BE PURGED OF ALL AIR AND TESTED AND PROVED TIGHT UNDER 100 PSI HYDROSTATIC PRESSURE FOR A PERIOD OF NOT LESS THAN TWO HOURS.
- D. THE ENTIRE NEW DRAINAGE SYSTEM, INCLUDING THE NEW VENTS SHALL BE TESTED BY THE CONTRACTOR AND PROVED TIGHT UNDER PRESSURE TEST. THE PRESSURE TEST SHALL BE MADE WITH WATER OR AIR BY FILLING THE ENTIRE SYSTEM INCLUDING THE VENTS. THE WORK MAY BE TESTED IN SECTIONS IF NECESSARY OR CONVENIENCE REQUIRES IT. IN THIS CASE THE TEST OF THE LAST SECTION SHALL INCLUDE ALL CONNECTIONS BETWEEN THE PREVIOUSLY TESTED SECTIONS AND THE SECTIONS THEMSELVES.
- E. ALL EQUIPMENT OF ALL KINDS INSTALLED BY THE CONTRACTOR SHALL BE TESTED TO DETERMINE WHETHER IT FULFILLS THE REQUIREMENTS OF THESE SPECIFICATIONS.
- F. THE CONTRACTOR SHALL FURNISH ALL LABOR NECESSARY TO ADJUST THE OPERATION OF THE APPARATUS AND MAKE THE CONNECTIONS FOR THE TEST. ALL POWER AND WATER REQUIRED FOR TESTS WILL BE FURNISHED AS INDICATED IN THE GENERAL CONDITIONS. ALL OTHER MATERIALS, GAUGES, TEST THERMOMETERS AND ALL LABOR NECESSARY SHALL BE FURNISHED BY THE CONTRACTOR.
- G. THE CONTRACTOR SHALL MAKE GOOD AT HIS EXPENSE ALL DEFECTIVE WORK AND MATERIALS DISCLOSED BY THESE TESTS. ALL TESTS SHALL BE CARRIED OUT ONLY IN THE PRESENCE OF THE ARCHITECTS OR THEIR REPRESENTATIVES.
- H. TESTS SHALL BE MADE BEFORE ANY PORTION OF THE SYSTEM BEING TESTED IS CLOSED.

2.8

- A. ALL EQUIPMENT, PIPING, ETC, SHALL BE THOROUGHLY CLEANED SO AS TO REMOVE RUST, SCALE, PLASTER, OR ANY INTERNAL OBSTRUCTIONS BEFORE ANY COVERING IS INSTALLED OR ANY PIPING OR EQUIPMENT IS PAINTED. NO SCARRING OR DISFIGURING OF EQUIPMENT, PIPING, ETC, WILL BE ACCEPTABLE BEFORE COVERING OR PAINTING IS APPLIED.
 - B. THE EXPOSED PARTS OF EQUIPMENT SHALL BE CLEANED, OIL AND GREASE REMOVED, AND THE BRIGHT PARTS LEFT CLEAN AND POLISHED.
 - C. UPON COMPLETION OF THE WORK, REMOVE ALL RUBBISH, DEBRIS AND SURPLUS MATERIALS, RESULTING THEREFROM. THE PREMISES TOGETHER WITH ALL HIS INSTRUMENTS, AND EQUIPMENT AND SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ACCEPTABLE CONDITION AS APPROVED BY THE ARCHITECT.
- INSURE THAT THE INSTALLATIONS ARE COMPLETE, INCLUDING ALL EQUIPMENT AND CONTROLS, OPERATING, CHECKED AND ADJUSTED AT THE TIME OF FINAL INSPECTION.
- BACKFILLING AND COMPACTION.

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CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____
DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____
PROJECT MANAGER
SIGNATURE _____ DATE _____

CONSULTANT

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PROJECT NO.

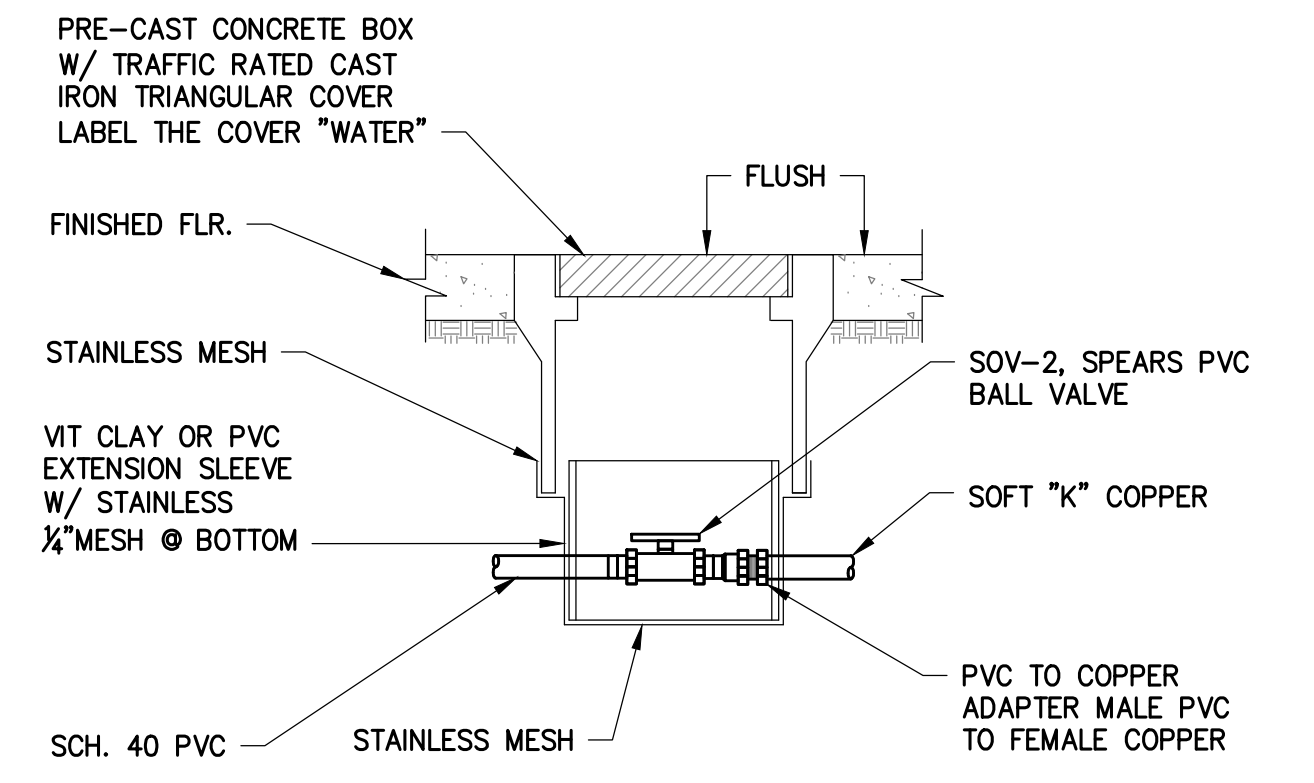
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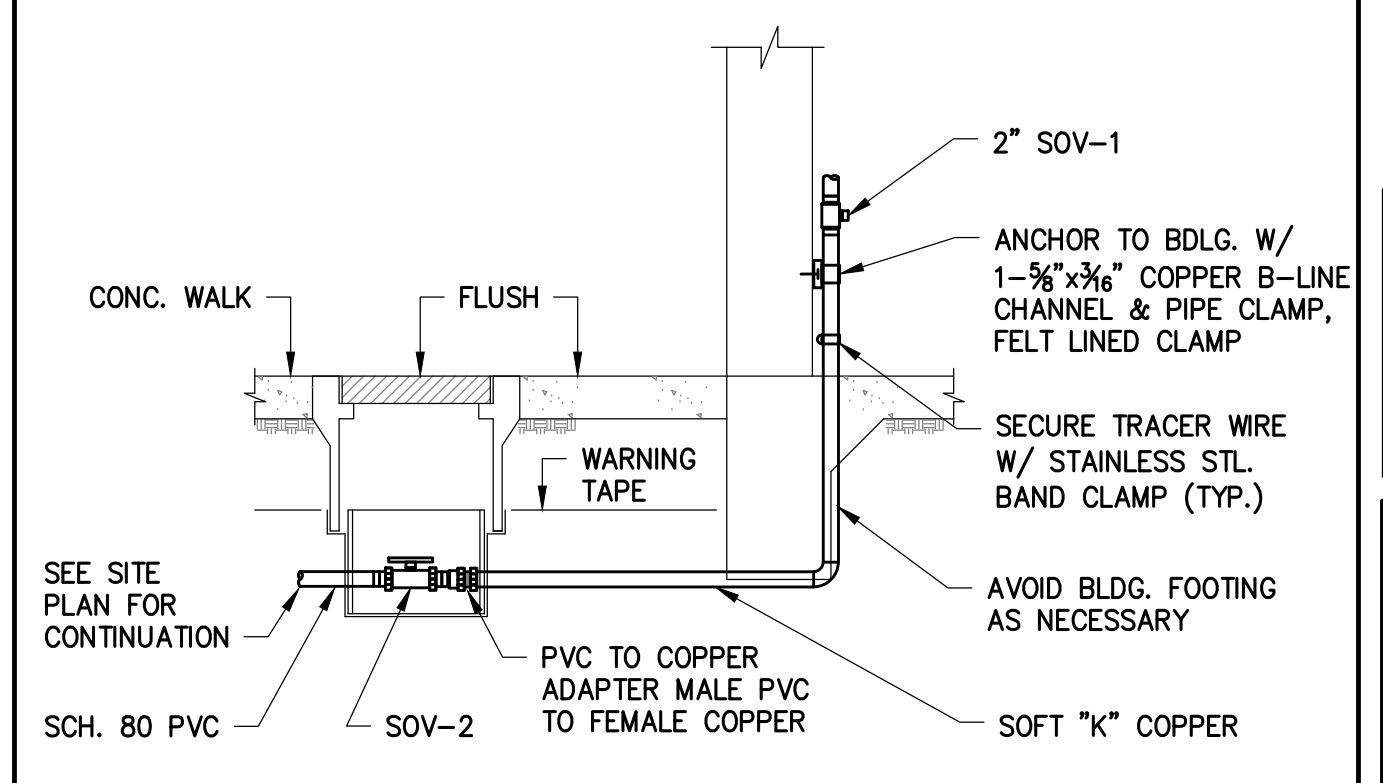
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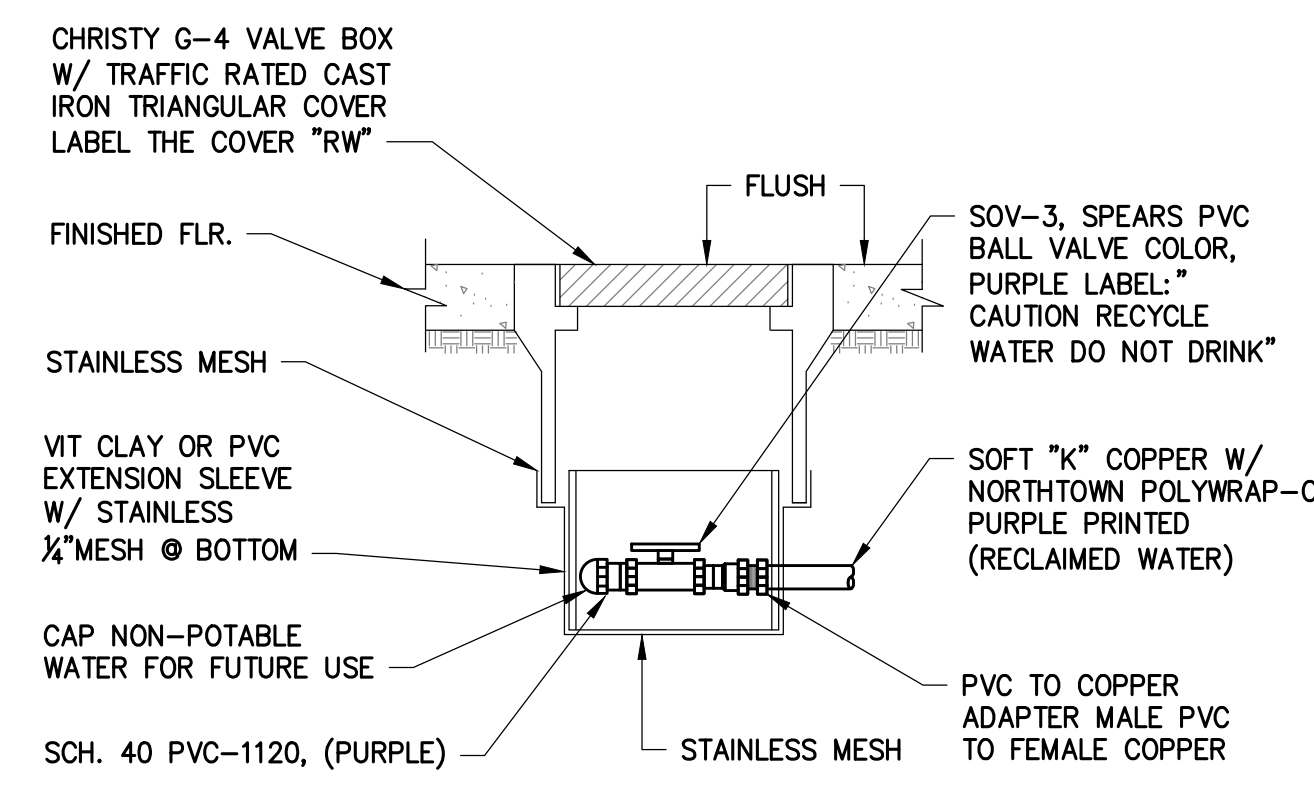
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TURPIN & RATTAN
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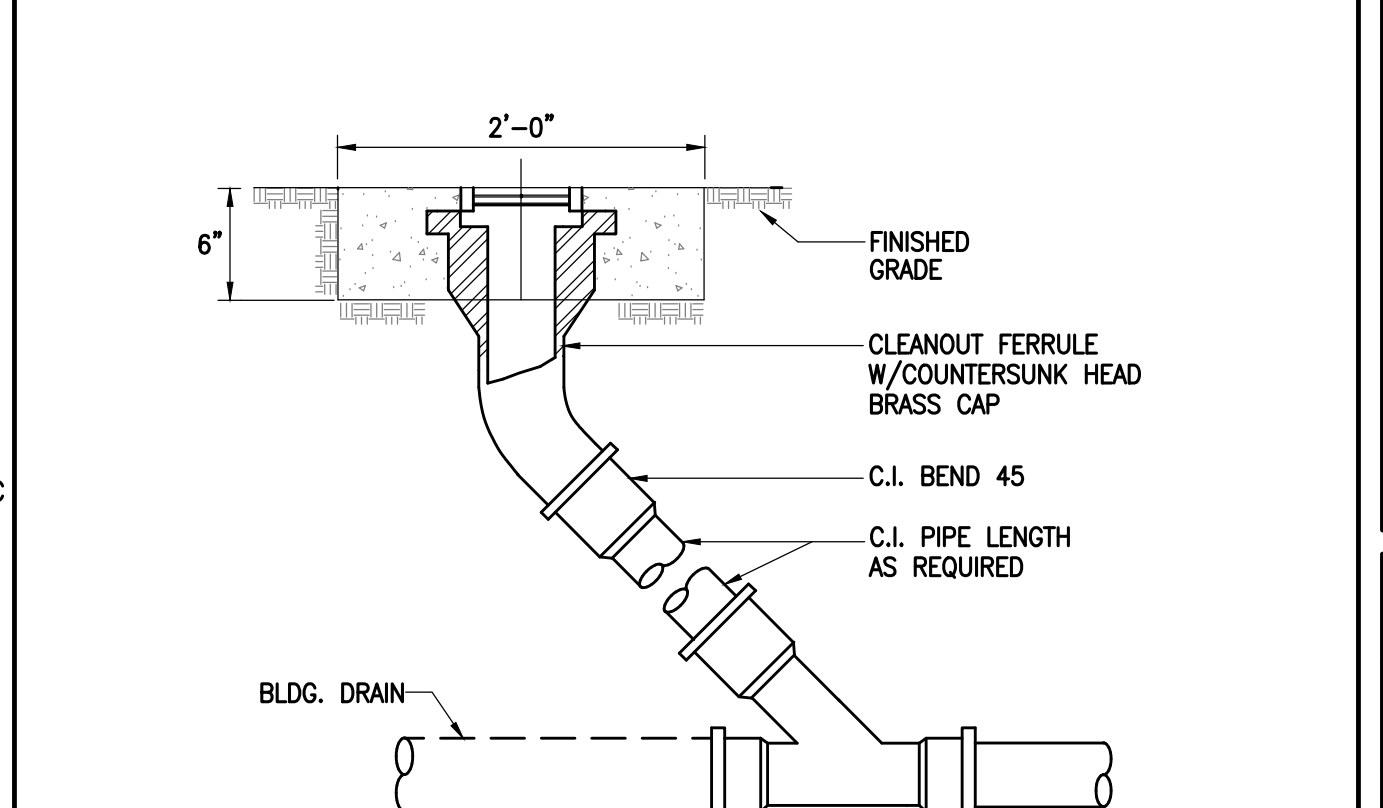
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SCALE: NOT TO SCALE



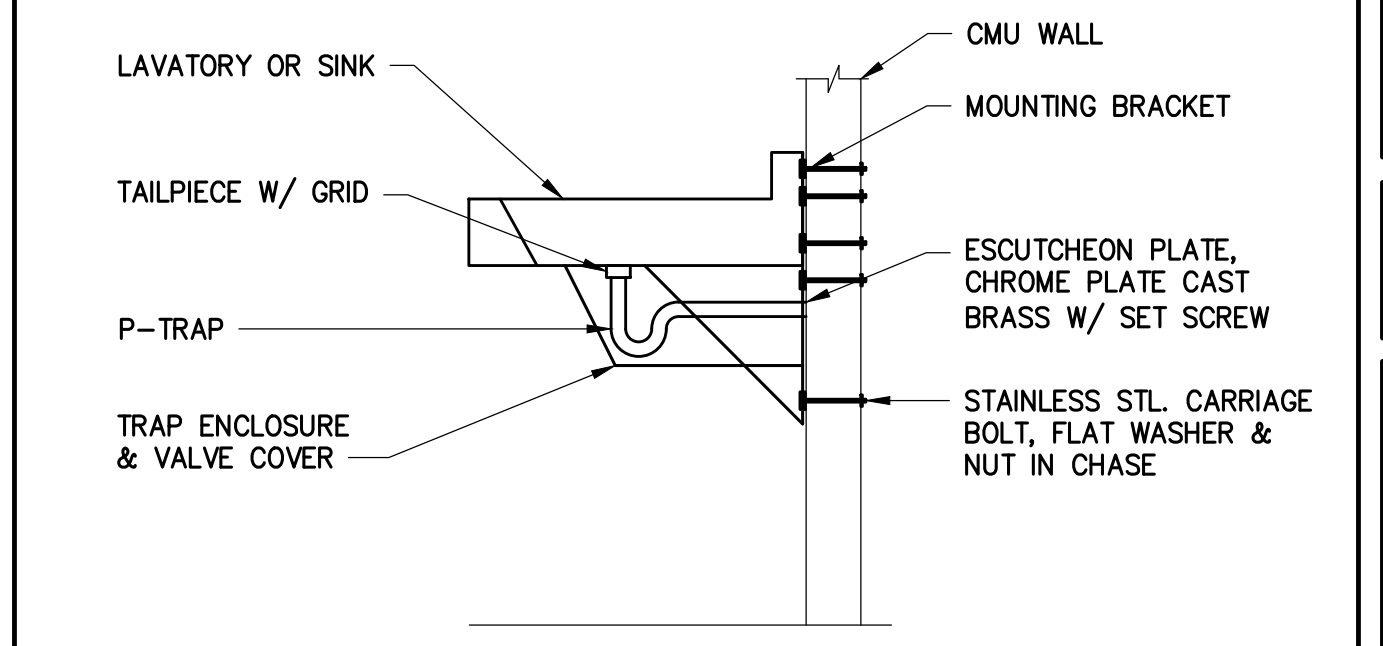
① BLDG. WATER CONNECTION
SCALE: NOT TO SCALE



NONE POTABLE
⑤ WATER SOV-3
SCALE: NOT TO SCALE



② GRADE CLEANOUT
SCALE: NOT TO SCALE



③ ADA COMPLIANCE DRAIN
SCALE: NOT TO SCALE

CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____

DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____

PROJECT MANAGER
SIGNATURE _____ DATE _____

CONSULTANT

NO.	DATE	BY	DESCRIPTION

DRAWN: MH CHECKED: HL

SPEC NO. _____

PROJECT No. _____

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DETAILS

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ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
(A)	INDICATES FIXTURE TYPE. SEE FIXTURE SCHEDULE FOR LAMP, WATTAGE, AND MOUNTING INFORMATION. TYPICAL FOR ROOM INDICATED, UNLESS OTHERWISE NOTED.
○	WALL MOUNTED LIGHTING FIXTURE. MOUNTING HEIGHT AS INDICATED.
S	20A ON/OFF MASTER SWITCH, MOUNTED AT +45" AFF TO CENTER OF BOX U.O.N.
▭	METERING PULLBOX. SEE SINGLE LINE DIAGRAM 3/E3.0.
▬	SURFACE MOUNTED PANELBOARD.
⊙	JUNCTION BOX. SIZED PER CEC, U.O.N.
⊠	PULLBOX WITH SCREW COVER, SIZE AS REQUIRED.
---	CONDUIT CONCEALED UNDER FLOOR SLAB OR UNDERGROUND.
- - -	CONDUIT INSTALLED EXPOSED.
●	CONDUIT TURNED DOWN.
④	ELECTRICAL NOTE REFERENCE (TYPICAL)
① E-6	INDICATES DETAIL '1' ON SHEET E-6 (TYPICAL)
▬	3/4" CONDUIT WITH 2#12 CONDUCTORS PLUS 1#12 EQUIPMENT GROUNDING CONDUCTOR.
→ A-1,3	HOMERUN TO INDICATED PANELBOARD ('A'). NUMBERS (1,3) INDICATE BRANCH CIRCUIT NUMBERS.
3/4"-3#8+1#10 EG	INDICATES 3/4" CONDUIT WITH (3) 8 AWG CONDUCTORS + (1) 10 AWG EQUIPMENT GROUND.
Ⓢ	GF1 TYPE 20A DUPLEX RECEPTACLE.

ABBREVIATIONS	
ABBREV.	DESCRIPTION
A, AMP	AMPERE
AFG	ABOVE FINISHED GRADE
B.C.	BARE COPPER
EG	EQUIPMENT GROUND, OR EQUIPMENT GROUNDING CONDUCTOR.
KWH	KILOWATT HOUR (kWh)
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
RGS	RIGID GALVANIZED STEEL
UFER	CONCRETE ENCASED GROUNDING ELECTRODE
V	VOLT

ELECTRICAL SCOPE OF WORK

- PROJECT INCLUDES THE RENOVATION OF AN EXISTING RESTROOM BUILDING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- SELECTIVE DEMOLITION OF EXISTING LIGHTING, POWER DISTRIBUTION, AND RELOCATION/RECONNECTION OF EXISTING IRRIGATION CONTROLS.
 - INSTALLATION OF NEW POWER DISTRIBUTION THROUGHOUT.
 - INSTALLATION OF NEW LIGHTING AND LIGHTING CONTROLS THROUGHOUT.
 - RECONNECTION OF EXISTING CIRCUITS TO NEW POWER PANEL.

NOTE:
ALL EXPOSED CONDUIT, FITTINGS, BOXES ETC ROUTED WITHIN PUBLIC SPACES WHETHER INSIDE OR EXTERIOR TO THE BUILDING SHALL BE PAINTED OUT TO EXACTLY MATCH IMMEDIATELY ADJACENT BUILDING SURFACES.

- ### GENERAL NOTES
- ALL WORK SHALL BE IN COMPLIANCE WITH THE 2013 EDITION OF THE CEC AND WHERE APPLICABLE AS AMENDED BY THE LOCAL ORDINANCES AND CODES OF GOVERNING MUNICIPALITIES.
 - ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER RELATED CONTRACT DOCUMENTS.
 - VERIFY EXACT LOCATION, SIZE, AND EXTENT OF ALL EXISTING UTILITIES, OBSTRUCTIONS AND/OR OTHER CONDITIONS WHICH MAY AFFECT THE PROPOSED WORK UNDER THE PROJECT. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO EXISTING WORK. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN ACCORDANCE WITH THE OWNER'S DIRECTION AT THE CONTRACTOR'S EXPENSE.
 - CAREFULLY EXAMINE ALL CONTRACT DRAWINGS/SPECIFICATIONS AND BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIALS AND EQUIPMENT AT EACH LOCATION AS INDICATED WITHOUT SUBSTANTIAL ALTERATION. IN AS MUCH AS THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS AND ACCESSORIES WHICH MAY BE REQUIRED. FURNISH FITTINGS REQUIRED TO MEET SUCH CONDITIONS AT NO COST TO THE OWNER.
 - CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED TIGHT AGAINST AND PARALLEL TO BEAMS AND WALLS.
 - ALL EXPOSED CONDUIT RUNS WITHIN THE BUILDING SHALL BE INSTALLED TIGHT AGAINST BOTTOM OF BEAMS UNLESS OTHERWISE NOTED.
 - CONDUITS SHALL BE TERMINATED SO AS TO PERMIT FINAL CONNECTIONS TO EQUIPMENT WITHOUT EXTENSIVE USE OF FLEXIBLE CONDUIT.
 - CONDUITS WHICH TERMINATE AT PANELBOARDS SHALL BE LOCATED FOR PROPER ALIGNMENT WITHOUT THE NEED FOR AUXILIARY GUTTERS, WIREWAYS OR PANEL EXTENSIONS.
 - THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS ARE BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS APPROVED BY THE ARCHITECT/ENGINEER MAY BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL SHALL BE MAINTAINED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
 - ALL SURFACE MOUNTED PANELS AND PANELBOARDS SHALL BE MOUNTED TO MAINTAIN A 1/4" AIR SPACE BETWEEN THE ENCLOSURE AND THE WALL.
 - ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP OF THE HIGHEST POSSIBLE CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-6".
 - NAMEPLATES SHALL CONFORM STRICTLY TO INSTRUCTIONS AS SPECIFIED IN THE ELECTRICAL SPECIFICATIONS AND ON THE DRAWINGS. THE FOLLOWING SHALL HAVE NAMEPLATES:
 - ALL MAIN BREAKERS
 - ALL PANELBOARDS, SWITCHBOARDS AND METERING ENCLOSURES.
 - ALL FEEDERS AND BRANCH CIRCUITS SHALL HAVE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE PHASE/NEUTRAL CONDUCTORS. SYSTEM AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED AND INSTALLED AS REQUIRED BY THE CEC U.O.N.
 - ALL CIRCUIT PROTECTIVE DEVICES SHALL HAVE THE REQUIRED RATINGS AND INTERRUPTING CAPACITY EQUAL TO OR GREATER THAN 110% OF THE AVAILABLE SHORT CIRCUIT CURRENT AT ITS SUPPLY TERMINAL.
 - ALL ELECTRICAL PANELS, LIGHT FIXTURES AND EQUIPMENT RECESSED IN FIRE RATED WALLS AND CEILINGS SHALL BE BOXED WITH EQUIVALENT HOUR RATED CONSTRUCTION.
 - OUTLET BOXES, UTILIZATION EQUIPMENT CABINETS, CONDUIT SYSTEMS, LIGHTING FIXTURES AND CONVENIENCE OUTLETS SHALL BE GROUNDED AND BONDED IN ALL ELECTRICAL SYSTEMS OPERATING AT 48 VOLTS AND ABOVE. EACH GROUND WIRE SHALL BE TERMINATED AT THE EQUIPMENT GROUND BAR OR TERMINAL. EQUIPMENT GROUND WIRES SHALL BE SIZED PER CEC 250.122.
 - ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL ROPE CONTAINED WITHIN. LEAVE MINIMUM OF 2'-0" SLACK AT EACH END.
 - ALL CONDUITS SHALL BE A MINIMUM TRADE SIZE OF 3/4".
 - ALL FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER IN RACEWAY, PER SPECIFICATIONS, REGARDLESS OF APPLICATION. NO ALUMINUM WIRING OR MC CABLE OR AC CABLE SHALL BE USED.
 - ALL LIGHTING FIXTURES THAT MAY BE IN CONTACT WITH THE BUILDING'S INSULATION SHALL BE U.L. LISTED FOR SUCH INSTALLATIONS.

- ### GENERAL NOTES
- ALL LIGHTING FIXTURES SHALL BE SUPPORTED FOR SEISMIC RESTRAINT PER REQUIREMENTS OF THE CALIFORNIA BUILDING CODE.
 - ALL EQUIPMENT AND MATERIALS REMOVED BY THE CONTRACTOR SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
 - FIELD VERIFY EXISTING CONDITIONS AND ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN PLANS AND ACTUAL CONDITIONS PRIOR TO SUBMITTING BID.
 - IF THERE ARE CONFLICTS WITHIN THESE ELECTRICAL DRAWINGS OR BETWEEN THE ELECTRICAL DRAWINGS AND THE SPECIFICATIONS, OR BETWEEN THE ELECTRICAL DRAWINGS AND ANY MECHANICAL, ARCHITECTURAL, PLUMBING OR STRUCTURAL DRAWING, BID THE MORE EXPENSIVE OR ELABORATE PROCESS OR PROCEDURE SHOWN AND CALL THE DISCREPANCY TO THE ARCHITECT/ENGINEER'S ATTENTION. SHOULD THE CLIENT, IN ITS DISCRETION, CHOOSE TO IMPLEMENT THE CHEAPER OR SIMPLER PROCEDURE AFTER BID OPENING, A CREDIT CHANGE ORDER WILL BE ISSUED TO THE CONTRACTOR.
 - ALL COLD WATER PIPE GROUND CONNECTIONS SHALL BE MADE WITHIN 5 FT. OF COLD WATER PIPE ENTRANCE INTO THE BUILDING. (REFERENCE CEC 250.52)
 - WHERE 120V BRANCH CIRCUITS EXCEED 90 FEET IN LENGTH (200 FEET FOR 277V) INCREASE WIRE SIZE TO THE NEXT LARGER AWG.
 - THE FOLLOWING BENDING RADII SHALL BE MAINTAINED FOR ALL UNDERGROUND COMMUNICATION CONDUIT SWEEPS:

CONDUIT SIZE	SWEPT MINIMUM RADIUS
2"	24"
3"	36"
4"	48"
 - EXIT SIGNS SHALL BE LOCATED AS NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL. NO POINT SHALL BE MORE THAN 100'-0" FROM THE NEAREST VISIBLE SIGN. EXIT SIGNS SHALL BE READILY VISIBLE FROM ANY DIRECTION OF APPROACH.
 - WIRING FROM EMERGENCY SOURCES SHALL BE KEPT ENTIRELY SEPARATE AND INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT, AND SHALL NOT ENTER THE SAME RACEWAY, CABLE BOX OR CABINET WITH OTHER WIRING. (REFERENCE CEC 700.9)
 - ALL OUTDOOR RECEPTACLES SHALL BE PROVIDED WITH WEATHERPROOF 'WHILE IN USE' COVERS.
 - ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10, CHAPTER 13.

THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NOT BE DETAILED ON THE PLANS, AND THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS (EQUIPMENT) HAVE BEEN ANCHORED:

 - EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.
 - FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH ASCE7-10, CHAPTER 13.
 - TEMPORARY OR MOVABLE EQUIPMENT WITH FLEXIBLE CONNECTION TO POWER OR UTILITIES.
 - EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.
 - EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER.
 - ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCE AND DISPLACEMENTS PRESCRIBED AND AS DEFINED IN ASCE 7-10, CHAPTER 13 AND 2013 CBC, SECTION 1616A.1.23.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH AN OPA #, SUCH AS MASON INDUSTRIES (OPA 349), OR ISAT (OPA 485) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANDING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIXTURE NOTES

- FIXTURE CONNECTIONS SHALL BE AS INDICATED ON THE PLANS AND SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF TITLE 24, CALIFORNIA ENERGY EFFICIENCY REGULATIONS.
- CATALOG NUMBERS ARE BASED ON VENDOR INFORMATION, SALES LITERATURE AND PHOTOMETRIC DATA ON HAND AT THE TIME OF PROJECT DESIGN BY TURPIN & RATTAN AND ARE INTENDED TO CONVEY THE FEATURES/PERFORMANCE REQUIRED. EACH FIXTURE MUST BE PROVIDED COMPLETE WITH ALL FITTINGS AS APPROPRIATE FOR PROPER MOUNTING AT THE LOCATIONS INDICATED.
- ALL LIGHT FIXTURES SHALL BE INSTALLED PER THE CALIFORNIA BUILDING CODE.

LIGHTING FIXTURE SCHEDULE										
FIXTURE TYPE	MANUFACTURER AND CATALOG NUMBER	LAMPS				FIXTURE		BALLAST OR DRIVER TYPE	MOUNTING	DESCRIPTION
		QTY.	TYPE	WATTS	COLOR TEMP.	INPUT VOLTS	TOTAL INPUT WATTS			
(A)	KENALL LIGHTING CAT. # MR13CL-PP-DB-20L35K-120-BPC-SA	-	LED	24	3500° K	120	24	DIMMING	SURFACE	SURFACE MOUNTED, ROUND LED LIGHTING FIXTURE WITH DIE-CAST ALUMINUM BASEPLATE, HIGH IMPACT RESISTANT POLYCARBONATE LENS, AND NEOPRENE GASKET. FIXTURE SHALL BE COMPLETE WITH INTEGRAL PHOTO-CONTROL.
(B)	KENALL CAT. # MLHA5-48-F-LG-PP-45L35K-DCC-1-120-DL-MS	-	LED	49	3500° K	120	49	DIMMING	CEILING	SURFACE MOUNTED, LINEAR LED LIGHTING FIXTURE WITH EXTRUDED ALUMINUM BODY AND DIE CAST END CAPS. FIXTURE SHALL BE COMPLETE WITH HIGH IMPACT, PEARLESCENT POLYCARBONATE LENS AND INTEGRAL OCCUPANCY CONTROL.

ELECTRICAL SHEET INDEX

- E1.00 - SYMBOL LIST & ABBREVIATIONS
- E2.00 - SITE PLAN - ELECTRICAL
- E2.01 - FLOOR PLAN - ELECTRICAL
- E3.00 - PANEL SCHEDULE AND ELECTRICAL DETAILS



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 ENGINEERING, INC.
 CONSULTING ENGINEERS
 2441 HONOLULU AVENUE, SUITE 200
 MONTEROSE, CA 91020-1823
 818 / 249 / 0444 FAX 249 / 1467

CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____
 DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____
 PROJECT MANAGER
SIGNATURE _____ DATE _____

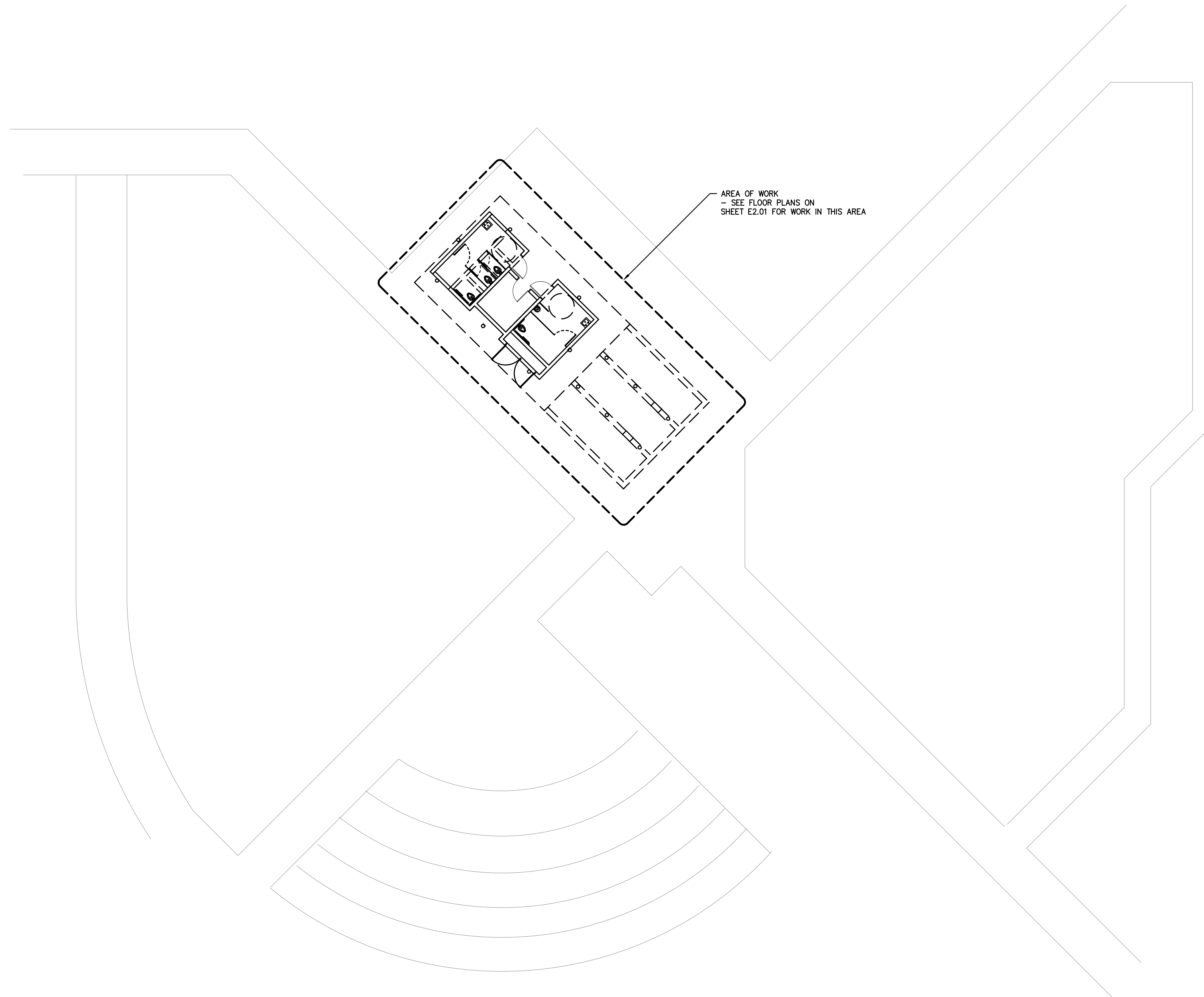
CONSULTANT			
NO.	DATE	BY	DESCRIPTION

DRAWN: MH CHECKED: HL
 SPEC NO.
 PROJECT NO.

SITE PLAN
- ELECTRICAL

SHEET

E1.00



**CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL**

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____
DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____
PROJECT MANAGER
SIGNATURE _____ DATE _____

CONSULTANT

NO.	DATE	BY	DESCRIPTION
▲			
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DRAWN: MH CHECKED: HL
SPEC NO.
PROJECT No.

**SITE PLAN
- ELECTRICAL**

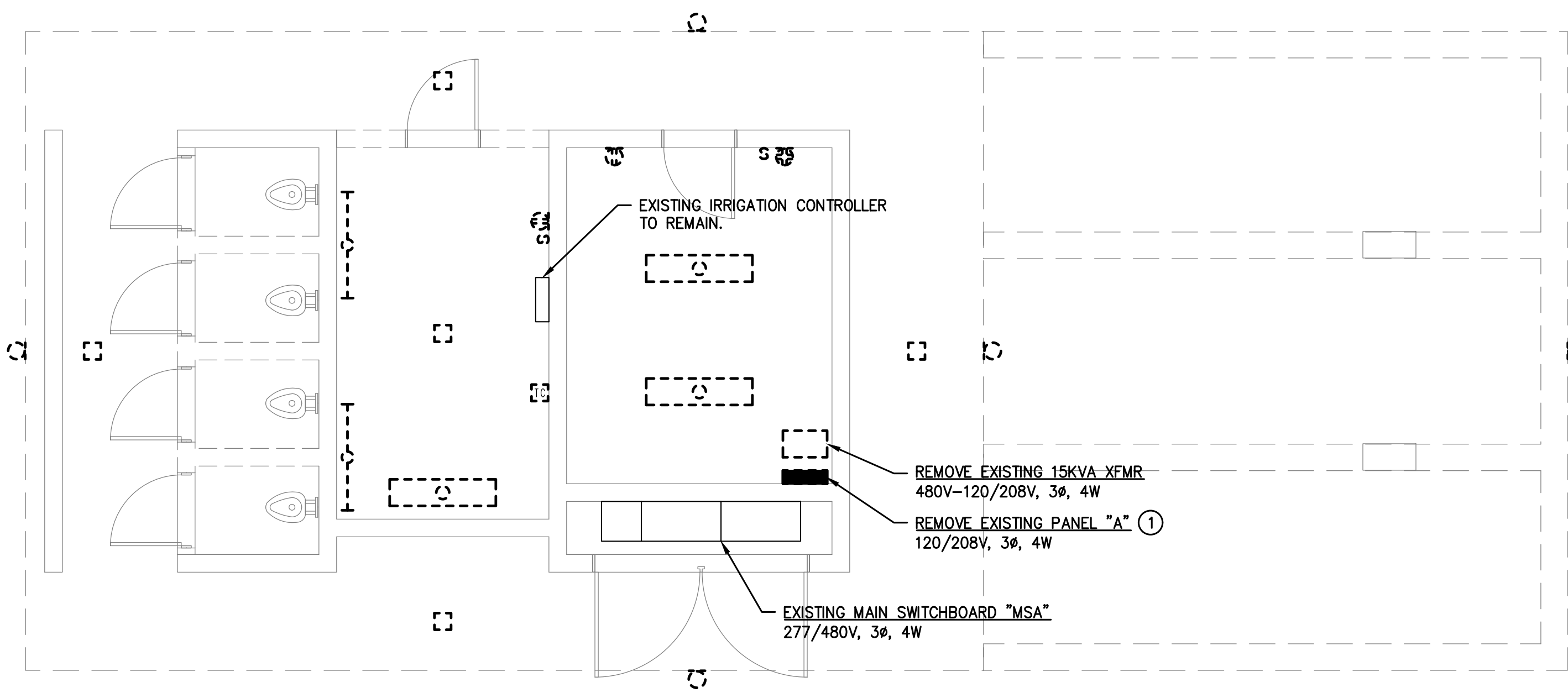
SHEET
E 2.00

PARTIAL SITE PLAN - ELECTRICAL
SCALE: 3/32" = 1'-0"



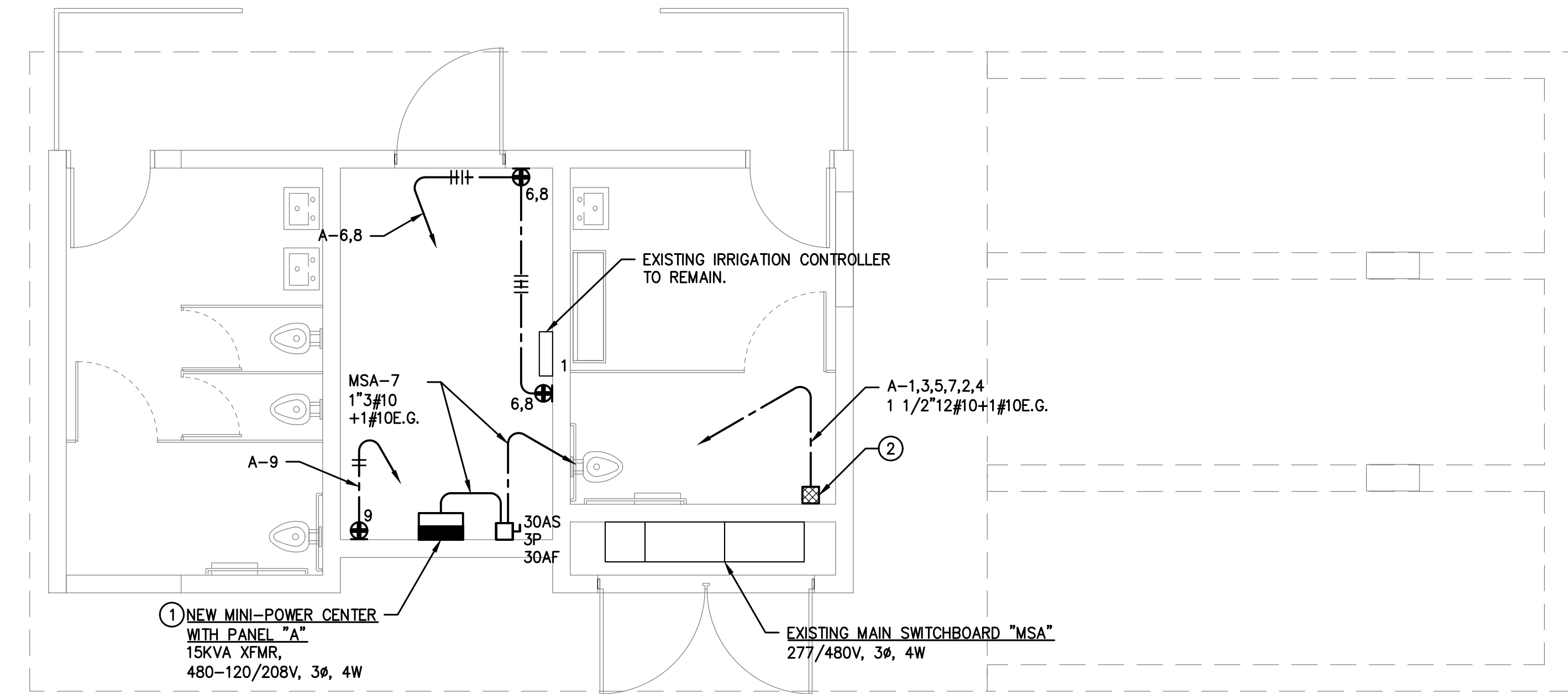
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VALLE LINDO PARK
RESTROOM REMODEL



FLOOR PLAN - ELECTRICAL DEMOLITION

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



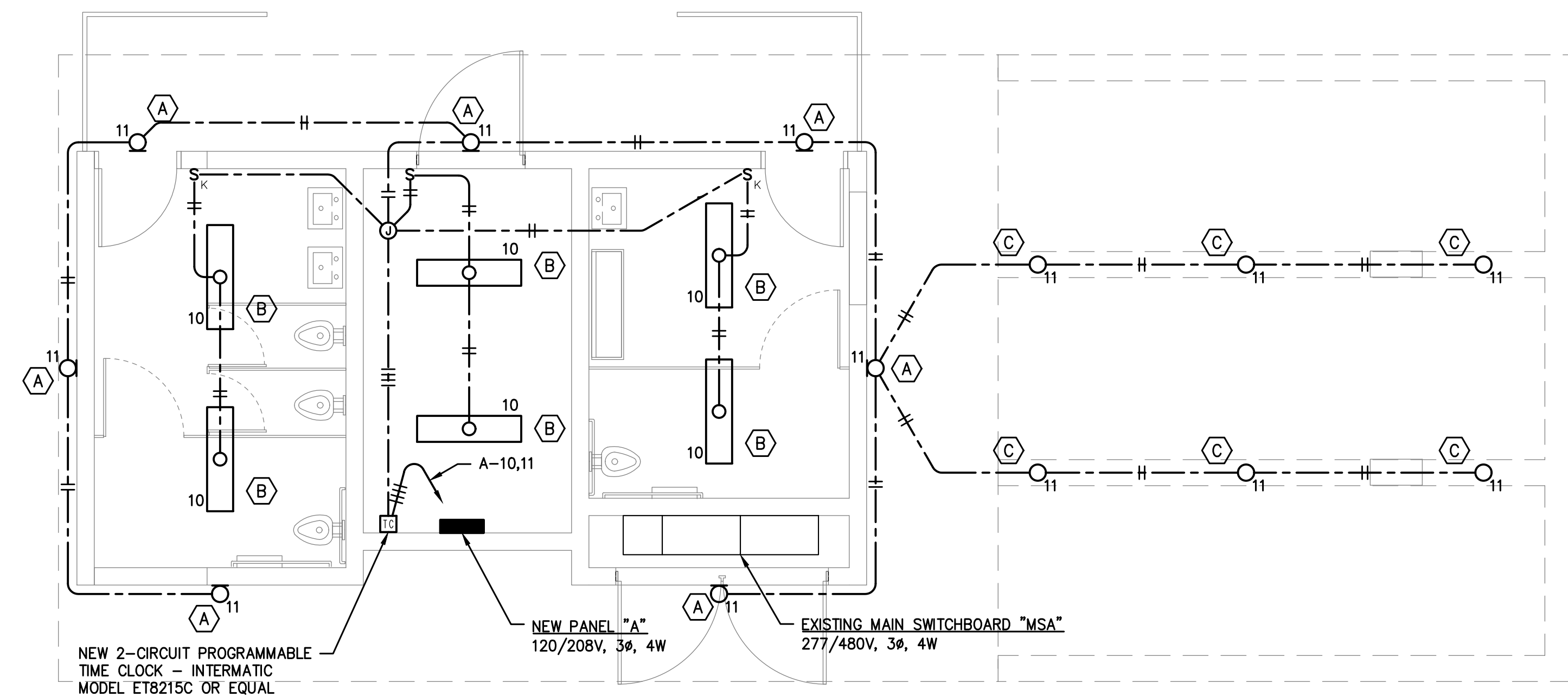
FLOOR PLAN - POWER

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

KEY NOTES - THIS SHEET ONLY

- 1 REFER TO PANEL SCHEDULE ON SHEET E3.00. MIGRATE EXISTING CIRCUITS AS INDICATED ON E3.00 TO NEW PANEL "A" WITHIN NEW MPC.
- 2 NEW PULLBOX FOR INTERCEPTION AND EXTENSION OF EXISTING CIRCUITS. COORDINATE EXACT LOCATION OF NEW PULLBOX IN THE FIELD AND EXTEND EXISTING CIRCUITS AS REQUIRED. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.

MOUNTING: SURFACE	NEW PANEL "A"										MAIN: 60A						
ENTER CABINET AT: TOP											TYPE: BREAKER						
VOLTAGE: 120/208V, 3Ø, 4W											BUSSING: 100A						
LOCATION	VOLT-AMPERES			L T G	R E C	M I S	BKR. A M P	P O L E	A B C	BKR. A M P	M I S	R E C	L T G	VOLT-AMPERES			LOCATION
	ØA	ØB	ØC											ØA	ØB	ØC	
IRRIGATION CONTROLLER	500			-	-	1	20	1	1	2	20	1	-	1000			MAIN PANEL HEATERS
CONTACTORS & RELAYS		1000		-	-	1				3			-	250			STAGE LIGHTING
SODA MACHINE			360	-	1	-				5			-		360		STORAGE AREA
RECEPTACLE AT STAGE	180			-	1	-				7			-	360			STORAGE AREA
STORAGE ROOM		360		-	2	-				9			-	300			INTERIOR LIGHTING
EXTERIOR LIGHTING			320	13	-	-				11			-				SPARE
SPARE				-	-	-				13			-				
				-	-	-				15			-				
				-	-	-				17			-				
SUBTOTAL	680	1360	680											1360	550	360	SUBTOTAL
TOTAL VOLT-AMPERES/PHASE	ØA= 2,040 VA			ØB= 1,910 VA			ØC= 1,040 VA										
TOTAL PANEL VOLT-AMPERES:	4,990	+ LCL	155 VA	=	5,145 VA	AMPS= 14.3											



FLOOR PLAN - LIGHTING

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

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE _____ DATE _____
DIRECTOR OF WATER AND SANITATION
SIGNATURE _____ DATE _____
PROJECT MANAGER
SIGNATURE _____ DATE _____

CONSULTANT

NO.	DATE	BY	DESCRIPTION

DRAWN: MH CHECKED: HL
SPEC NO.
PROJECT No.

FLOOR PLANS
- ELECTRICAL

SHEET

E 2.01



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STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: VALLE LINDO PARK
 Project Address: 889 Aileen St
 Report Page: Page 1 of 6
 Date Prepared: 2019-02-19

A. GENERAL INFORMATION

01	Project Location (city)	Camarillo	04	Total Conditioned Floor Area (ft ²)	407
02	Climate Zone	9	05	Total Unconditioned Floor Area (ft ²)	
03. Occupancy Types Within Project (select all that apply):					
<input type="checkbox"/> Office		<input type="checkbox"/> Retail	<input type="checkbox"/> Warehouse		<input type="checkbox"/> Hotel/Motel
<input type="checkbox"/> Parking Garage		<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Relocatable		<input type="checkbox"/> School
			<input checked="" type="checkbox"/> Other (write in):		Park

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or "Save As".

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05	06
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)	Area Category
<input checked="" type="checkbox"/>	New Lighting System				415
<input type="checkbox"/>	Altered Lighting System				
Total Area of Work (ft ²)				415	

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1	Allowed Lighting Power per §140.6(b) (Watts)					Actual Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05	06	07	08	09	10	
Complete Building §140.6(c)1	Area Category §140.6(c)2	Footnotes §140.6(c)2G	Tailored Footnotes §140.6(c)3	Total Allowed (Watts)	Total Designed (Watts)	Portable Lighting §140.6(a)	PAF Control Credits §140.6(a)2	Total Actual (Watts)	05 Must be ≥ 09 §140.6	COMPLIES	
	(See Table I)	(See Table I)	(See Table K)	(See Table L)	(See Table F)	(See Table J)	(See Table R)				
Conditioned:	282.5			282.5	270			270		COMPLIES	
Unconditioned:										COMPLIES	
Controls Compliance (See Table H for Details)										COMPLIES	
Rated Power Reduction Compliance (See Table S for Details)										Not Applicable	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards July 2018

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18)
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CERTIFICATE OF COMPLIANCE
 Project Name: VALLE LINDO PARK
 Project Address: 889 Aileen St
 Report Page: Page 4 of 6
 Date Prepared: 2019-02-19

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)

This Section Does Not Apply

S. RATED POWER REDUCTION COMPLIANCE BY SPACE

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards July 2018

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: VALLE LINDO PARK
 Project Address: 889 Aileen St
 Report Page: Page 2 of 6
 Date Prepared: 2019-02-19

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

The conditioned and/or unconditioned floor area entered into Table A does not match the areas in Table B or Tables L.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designated Wattage: Unconditioned Spaces

01	02	03		04	05	06	07	08	09
Name or Item Tag	Complete Luminaire Description	Specialized Luminaire Types		Watts per luminaire ¹	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector
B	LINEAR LED FIXTURE	<input type="checkbox"/>	<input type="checkbox"/>	45	Mfr. Spec ¹	6	<input type="checkbox"/>	270	Pass
Total Designed Watts UNCONDITIONED SPACES:									270

¹NOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. TRACK LIGHTING

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a "1" is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls			Field Inspector		
01	02	03	Pass	Fail	Field Inspector
Mandatory Demand Response §130.1(e)	Shut-off Controls §130.1(c)		<input type="checkbox"/>	<input type="checkbox"/>	
Not Required ≤ 10,000 SF	Whole Building; Occupancy Sensors		<input type="checkbox"/>	<input type="checkbox"/>	

Area Level Controls
 Table Continued

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards July 2018

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: VALLE LINDO PARK
 Project Address: 889 Aileen St
 Report Page: Page 5 of 6
 Date Prepared: 2019-02-19

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCC

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/>	<input type="checkbox"/>

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	<input type="checkbox"/>	<input type="checkbox"/>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards July 2018

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: VALLE LINDO PARK
 Project Address: 889 Aileen St
 Report Page: Page 3 of 6
 Date Prepared: 2019-02-19

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylight Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector
PARK BUILDING	Low Bay Comm/ Industrial	Auth. Personnel	Dimmer	Occ Sensor	N/A	N/A	<input type="checkbox"/>	Pass

¹NOTES: Controls with a "*" require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

Plan Sheet Showing Daylit Zones:
 13

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(e) are being used.

Unconditioned Spaces

01	02	03	04	05	06		
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowances / Adjustments		
RESTROOMS	Corridor, Restrm, Stair, Support	0.6	280	168	Footnotes	PAF	Portable Ltg
ELECTRIC ROOM	Elec, Mech, Telephone	0.55	20	11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UTILITY ROOM	Low Bay Comm/ Industrial	0.9	115	103.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOTAL:				415	282.5	See Tables J, K, R for detail	

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES

This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES

This Section Does Not Apply

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards July 2018

STATE OF CALIFORNIA
Indoor Lighting
 NRCC-LTI-E (Created 7/18)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 Project Name: VALLE LINDO PARK
 Project Address: 889 Aileen St
 Report Page: Page 6 of 6
 Date Prepared: 2019-02-19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name: ARA VARTANIANS
 Documentation Author Signature: _____
 Company: TURPIN & RATTAN ENGINEERING, INC.
 Address: 2441 HONOLULU AVE. SUITE 200
 City/State/Zip: MONTEROSE, CA 91020
 Signature Date: 2019-02-20
 CEA/HERS Certification Identification (if applicable):
 Phone: 818-249-0444

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: ARA VARTANIANS
 Responsible Designer Signature: _____
 Company: TURPIN & RATTAN ENGINEERING, INC.
 Address: 2441 HONOLULU AVE, SUITE 200
 City/State/Zip: MONTEROSE, CA 91020
 Date Signed: 2019-02-20
 License: E013986
 Phone: 818-249-044

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards July 2018

**CITY OF CAMARILLO
 VALLE LINDO PARK
 RESTROOM REMODEL**

DIRECTOR OF PUBLIC WORKS AGENCY

 SIGNATURE DATE

DIRECTOR OF WATER AND SANITATION

 SIGNATURE DATE

PROJECT MANAGER

 SIGNATURE DATE

NO.	DATE	BY	DESCRIPTION

DRAWN: MH CHECKED: HL

SPEC NO.

PROJECT NO.

**TITLE 24 CALCULATIONS
 - INDOOR**

SHEET

E3.00



18362.M00

TURPIN & RATTAN
 ENGINEERING, INC.

CONSULTING ENGINEERS

2441 HONOLULU AVENUE, SUITE 200
 MONTEROSE, CA 91020-1823
 818 / 249 / 0444 FAX 249 / 1467

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: VALLE LINDO PARK
Project Address: 889 Alleen St
Report Page: Page 1 of 6
Date Prepared: 2019-02-19

A. GENERAL INFORMATION
01 Project Location (city) CAMARILLO
04 Total Illuminated Hardscape Area (ft²) 5,263
02 Climate Zone 9
03 Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):
LZ-0: Very Low - Undeveloped Parkland
LZ-1: Low - Developed Parkland
LZ-2: Moderate - Rural Areas
LZ-3: Moderately High - Urban Areas
LZ-4: High - Must be reviewed by CA Energy Commission for Approval

B. PROJECT SCOPE
Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.
My project consists of:
01 New Lighting System
02 Must Comply with Allowances from §140.7
Is your alteration increasing the connected lighting load (Watts)?
Yes No

C. COMPLIANCE RESULTS
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.
Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)
Compliance Results
01 General Hardscape Allowance §140.7(d)1
02 Per Application §140.7(d)2
03 Sales Frontage §140.7(d)2
04 Ornamental §140.7(d)2
05 Per Specific Area §140.7(d)2
06 Existing Power §141.0(b)(2)
07 Total Allowed (Watts)
08 Total Actual (Watts)
09 07 Must be ≥ 08
929.67 + + + + + = 929.67 ≥ 312 COMPLIES
Not Applicable
Controls Compliance (See Table H for Details) COMPLIES

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance: http://www.energy.ca.gov/title24/2016standards September 2017

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: VALLE LINDO PARK
Project Address: 889 Alleen St
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Date Prepared: 2019-02-19

J. LIGHTING ALLOWANCE: PER APPLICATION
This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL
This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRC/
YES NO Form/Title Field Inspector Pass Fail
NRCI-LTO-01-E - Must be submitted for all buildings.
NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.

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D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2) (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).
Designed Wattage:
01 Name or Item Tag Complete Luminaire Description 02 Watts per luminaire¹ 03 How Wattage is determined 04 Total number luminaires 05 Luminaire Status² 06 Excluded per §140.7(a) 07 Design Watts 08 Cutoff Req. >150W §130.2(b)³ 09 Field Inspector 10 Pass Fail
A EXTERIOR LED FIXTURE 24 Mfr. Spec¹ 13 New 312
Total Designed Watts: 312
* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).
¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)
² Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope
³ Compliance with mandatory cutoff requirements is required for luminaires with wattage > 150 Watts unless exempted by §130.2(b).

G. CUTOFF REQUIREMENTS (BUG)
This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

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P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed upon an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html
YES NO Form/Title Field Inspector Pass Fail
NRCI-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.

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Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 07, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.
Mandatory Controls
01 02 03 04 05 06 07 08
Area Description Motion Sensor: Incandescent-100W §130.2(a) Shut-Off §130.2(c)1 Auto-Schedule §130.2(c)2 Motion Sensor §130.2(c)3 Sales Frontage §130.2(c)4 Facade, Ornament, Outdoor Dining §130.2(c)5 Field Inspector Pass Fail
ALL NA: No Incand-100W Photocontrol Yes NA: Walls30W NA: No Sales Front Ltg Time-switch

* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

I. LIGHTING POWER ALLOWANCE (per §140.7)
Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
01 *Use it or lose it" Allowance (Watts)
General Hardscape Allowance
Per Application Sales Frontage Ornamental Per Specific Area
Table I (below) Table J Table K Table L Table M
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A
02 03 04 05 06 07 08 09
Area Description Area Wattage Allowance (AWA) Illuminated Area (ft²) Allowed Density (W/ft²) Area Allowance (Watts) Perimeter Length (ft) Allowed Density (W/ft) Linear Allowance (Watts) Total General AWA + LWA (Watts)
PEDESTRIAN WALKWAY 5,263 0.04 210.52 569 0.35 199.15 409.67
Initial Wattage Allowance for Entire Site (Watts): 520
Total General Hardscape Allowance (Watts): 929.67

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
Documentation Author Name: ARA VARTANIAN'S Documentation Author Signature:
Company: TURPIN & RATTAN ENGINEERING, INC. Signature Date: 2019-02-20
Address: 2441 HONOLULU AVE. SUITE 200 CEAH/HERS Certification Identification (if applicable):
City/State/Zip: MONTROSE, CA 91020 Phone: 818-249-0444

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: ARA VARTANIAN'S Responsible Designer Signature:
Company: TURPIN & RATTAN ENGINEERING, INC. Date Signed: 2019-02-20
Address: 2441 HONOLULU AVE. SUITE 200 License: E013986
City/State/Zip: MONTROSE, CA 91020 Phone: 818-249-0444

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CITY OF CAMARILLO
VALLE LINDO PARK
RESTROOM REMODEL

DIRECTOR OF PUBLIC WORKS AGENCY
SIGNATURE DATE
DIRECTOR OF WATER AND SANITATION
SIGNATURE DATE
PROJECT MANAGER
SIGNATURE DATE

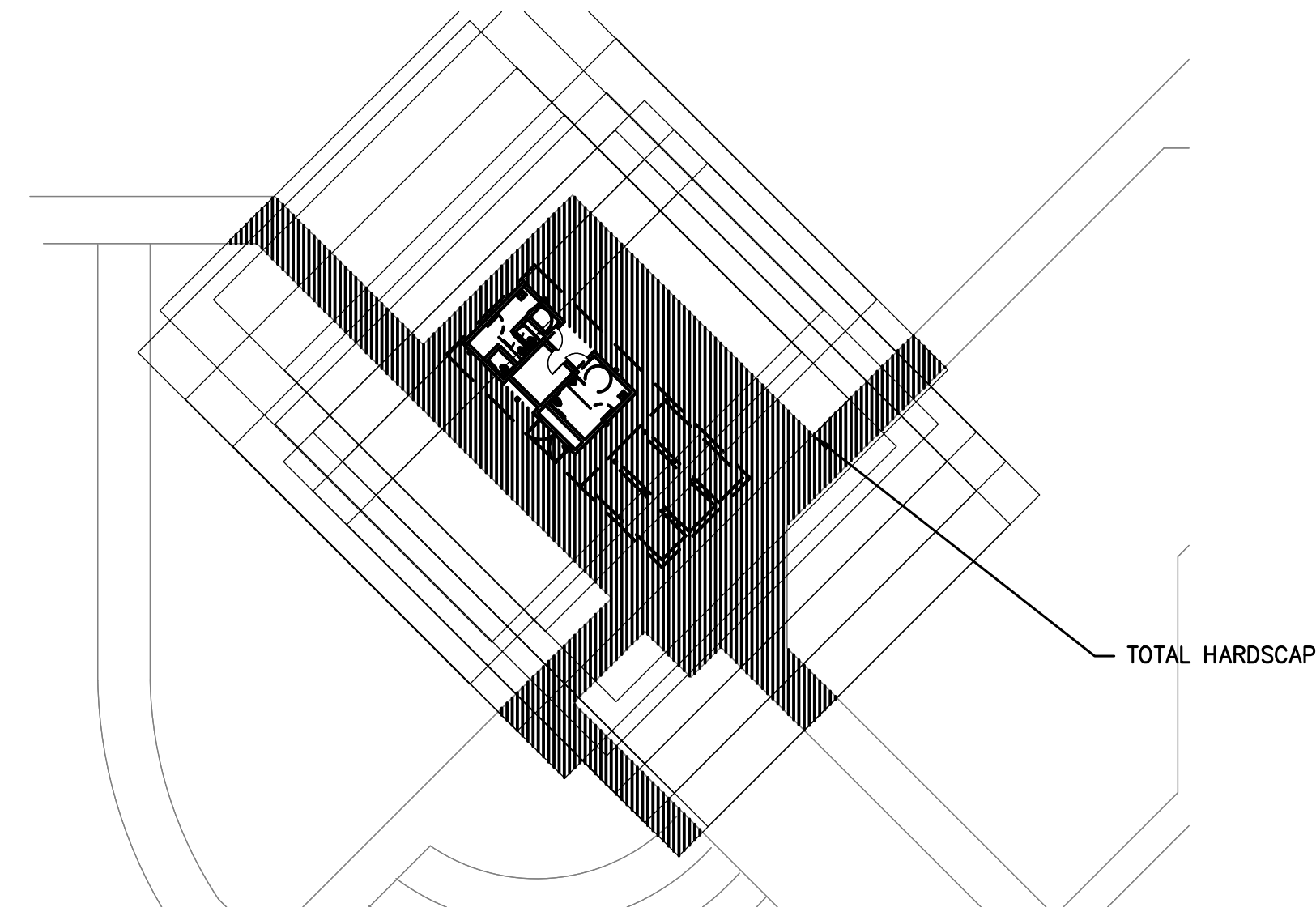
CONSULTANT

NO.	DATE	BY	DESCRIPTION

DRAWN: MH CHECKED: HL
SPEC NO.
PROJECT No.

TITLE 24 CALCULATIONS
- OUTDOOR

SHEET
E3.01



18362.M00
TURPIN & RATTAN
ENGINEERING, INC.
CONSULTING ENGINEERS
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MONTROSE, CA 91020-1823
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