

SAWPA

LOBBY REMODEL AND ACCESSIBLE UPGRADES

LOBBY REMODEL AND ADA UPGRADES

Jack Panichapan, AIA
PRINCIPAL-IN-CHARGE



SANTA ANA WATERSHED PROJECT AUTHORITY

LOBBY REMODEL AND ADA UPGRADES

PROJECT NO. 3816

11615 STERLING AVE,
RIVERSIDE, CA 92503

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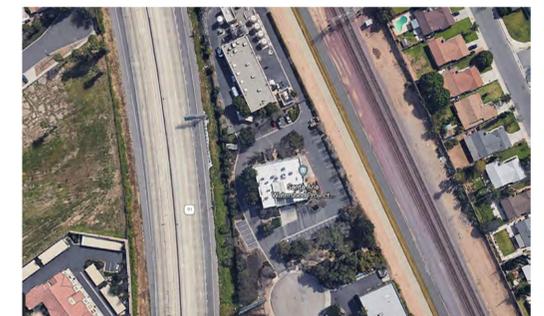


architecture
planning
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DESIGN DEVELOPMENT	DATE: 21 OCT 2024
ADDENDUM #5	DATE: 21 OCT 2024
JOB NO.: 3803	CHECKED BY: AR. VIET
	DRAWN BY: AR. CHINTAN
	SCALE: 1/8" = 1'-0"



LOCATION MAP (NOT TO SCALE)

CITY OF RIVERSIDE

REVIEWED BY :

DATE:

COMMENT :

COVER SHEET

SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY

CV-1

GENERAL NOTES	
1.	THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF SAWPA AND ARE NOT TO BE USED FOR OTHER PROJECTS WITHOUT THE PERMISSION OF THE ARCHITECT.
2.	THESE NOTES APPLY TO ALL DRAWINGS, UNLESS NOTED OTHERWISE. ANY OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS AND/OR GENERAL NOTES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER/CLIENT'S REPRESENTATIVE BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3.	ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE PART OF THE CONTRACT DOCUMENTS. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE SHOWN. THEY DO NOT INDICATE METHOD OF CONSTRUCTION. CONTRACTOR IS TO SUPERVISE AND DIRECT THE WORK UNDER HIS CONTRACT AND SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE OWNER/CLIENT AND / OR HIS CONSULTANTS ARE NOT TO INCLUDE INSPECTIONS OF REQUIRED FOR SAME WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY SUPPORT SERVICES PERFORMED BY THE OWNER/CLIENT'S REPRESENTATIVE AND / OR HIS CONSULTANTS DURING CONSTRUCTION ARE TO BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE OWNER/CLIENT'S REPRESENTATIVE AND / OR HIS CONSULTANTS, WHETHER OF MATERIAL OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING GENERAL CONFORMANCE WITH DESIGN CONCEPT AND CONTRACT DRAWINGS AND SPECIFICATIONS AND THEREFORE, THEY DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
4.	CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS TO BE REMOVED, RELOCATED OR REMAIN INTACT AND HOW THE NEW CONSTRUCTION RELATES TO THE SITE CONDITION.
5.	THE CONTRACTOR SHALL EXAMINE THE JOB SITE. CONFIRM ALL UTILITY LOCATIONS, SIZES, PRESSURES, ETC., AND PROTECT, RELOCATE, CONNECT OR REMOVE ALL NECESSARY FOR TOTAL PROJECT COMPLETION. VERIFY ALL DIMENSIONS AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE. NOTIFY THE OWNER/CLIENT'S REPRESENTATIVE OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING WORK.
6.	ALL CONTRACTORS AND SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE CONTENTS OF ALL THE DRAWING AND ALL SPECIFICATION SECTIONS, REGARDLESS OF THEIR LICENSE CLASSIFICATION. NO REQUEST FOR CHANGE ORDER WILL BE CONSIDERED BASE UPON INFORMATION FOUND IN ONE AREA OF THE PLANS OR SPECIFICATIONS, AND NOT THE OTHER. INFORMATION FOUND IN ONE PART OF THE PLANS SHALL BE DEEMED TO BE IN ALL SECTIONS.
7.	ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8.	THE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISH STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE OWNER/CLIENT'S REPRESENTATIVE OR OWNER/CLIENT'S STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS AND DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES FOR THE ABOVE UNLESS NOTED.
9.	DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE SCALE OVER SMALL. DIMENSIONS SHOWN ARE TO THE FACE OF WALL FRAMING (CMU, STUD) UNLESS OTHERWISE NOTED.
10.	ALL DIMENSIONS AND THE SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO BID SUBMITTAL, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, THE OWNER/CLIENT'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION.
11.	THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BUILDING BACKING SLEEVES, FRAMING FOR LIGHT FIXTURES, ELECTRICAL LIGHTS, A/C EQUIPMENT, DRAPERY, CEILING TRACKS, PLUMBING EQUIPMENT, COUNTERS, HANDRAILS, AND ALL OTHER ITEMS REQUIRING BACKING SUPPORT.
12.	ANYONE SUPPLYING LABOR AND MATERIALS TO THE PROJECT IS TO CAREFULLY EXAMINE ALL SUBSURFACES TO RECEIVE WORK. ANY CONDITIONS DETRIMENTAL TO WORK TO BE REPORTED IN WRITING TO OWNER/CLIENT'S REPRESENTATIVE & PROJECT ARCHITECT PRIOR TO BEGINNING WORK. COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF SUBSURFACES.
13.	REFER TO ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR DEPRESSED SLABS, CURBS, FINISHES, TEXTURES, CLIPS, GROUNDS, ETC., NOT SHOWN ON STRUCTURAL DRAWINGS.
14.	PROVIDE OPENINGS AND SUPPORTS FOR MECHANICAL EQUIPMENT, DUCTS, PIPING, VENTS, ETC. AS REQUIRED. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS AND EQUIPMENT NOT SHOWN ON STRUCTURAL DRAWINGS. ALL SUSPENDED EQUIPMENT AND MATERIALS TO BE INSTALLED WITH APPROVED LATERAL BRACING. VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT BEFORE CONSTRUCTION OF ANY BASES OR PADS TO SUPPORT SUCH EQUIPMENT. VERIFY ALL PLUMBING AND EQUIPMENT SIZES BEFORE BEGINNING CONSTRUCTION OF CABINETS.
15.	NOTIFY OWNER/CLIENT'S REPRESENTATIVE 24 HOURS PRIOR TO PLACING CONCRETE.
16.	NOTED FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE FLOOR SLAB. WHERE FLOORS ARE SLOPED FOR DRAINAGE, THE HIGH POINT OF FINISH FLOOR IS (+ OR -) 0'-0" UNLESS NOTED OTHERWISE, AND IS AT THE PERIMETER OF THE ROOM. STANDARD SLOPE IS 1/4" PER FOOT (MINIMUM = 3/16" PER FOOT; MAXIMUM = 5/16" PER FOOT). SUB-SLABS DEPRESSED FOR TILE FLOOR FINISH TO BE SLOPED TO DRAIN AND MAINTAIN SLAB THICKNESS INDICATED ON THE STRUCTURAL DRAWINGS.
17.	SOILS AND FOUNDATIONS INFORMATION BORING LOCATIONS, TEST RESULTS ARE INCLUDED IN THE PROJECT GEOTECHNICAL INVESTIGATION REPORT.
18.	NOTIFY THE OWNER/CLIENT'S REPRESENTATIVE IF ANY CONDITIONS EXIST WHICH WILL PREVENT THE COMPLETION OF WORK IN A PROFESSIONAL AND SATISFACTORY MANNER AS WELL AS ANY AND ALL ADDITIONAL WORK TO BE PERFORMED BEFORE STARTING WORK ALL NOTIFICATIONS SHALL BE IN WRITING.
19.	ALL CONTRACTORS AND SUB-CONTRACTORS SHALL OBTAIN A CITY BUSINESS LICENSE. APPLICANTS (DEVELOPER/CONTRACTOR) SHALL REQUEST A STANDARD SUB-CONTRACTOR FORM FROM BLDG. DIV. PRIOR TO BLDG PERMIT ISSUANCE. THEY SHALL COMPLETE AND SUBMIT THE FORM TO THE BUSINESS LICENSE DIV. BEFORE RELEASING THE CERTIFICATE OF OCCUPANCY.
CODE (GENERAL)	
1.	IT IS THE RESPONSIBILITY OF ANYONE SUPPLYING LABOR OR MATERIALS OR BOTH TO BRING TO THE ATTENTION OF THE OWNER/CLIENT'S REPRESENTATIVE AND PROJECT ARCHITECT ANY DISCREPANCIES OR CONFLICTS BETWEEN THE CODE REQUIREMENTS AND THE DRAWINGS BEFORE PROCEEDING WITH WORK.
2.	CONTRACTOR SHALL COMPLY FULLY WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE. ALL LAWS AND ORDINANCES PERTINENT TO ALL WORK OF THIS PROJECT. IN CASE OF ANY CONFLICT WHEREIN THE METHOD OR STANDARDS OF INSTALLATION OR THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES. THE LAWS OR ORDINANCES SHALL GOVERN.
3.	ALL WORK SHALL COMPLY WITH TITLE 24 OF THE CODE OF REGULATIONS AND THE CALIFORNIA BUILDING CODE LATEST EDITION (INDICATED ON THESE SHEETS WITH CBC AMENDMENTS, AND ALL OTHER LOCAL OR STATE AGENCIES HAVING JURISDICTION OVER THIS PROJECT).
ACCESSIBILITY NOTES	
1.	AT ABRUPT CHANGES IN LEVELS NOT EXCEEDING 1/2", BEVEL WITH A SLOPE NO GREATER THAN 1:2 EXCEPT AT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL PER CBC SECTION 1133B.7.4 AND FIGURE 11B-25, 11B-26A, 11B-32 AND 11B-29.
2.	ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE EXCEEDING 1/2" SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS PER CBC SECTION 1127B.5.
3.	WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 UNIT VERTICAL TO 20 UNITS HORIZONTAL IT SHALL COMPLY WITH THE PROVISIONS OF CBC SECTION 1133B.5 AND 1133B.7.3 AS A PEDESTRIAN RAMP.
4.	WALK AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT PER CBC SECTION 1133B.7.1.3
5.	WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60" BY 60" AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK AND NOT LESS THAN 48" WIDE BY 44" DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK PER CBC SECTION 1133B.7.5.
6.	WALKS SHALL EXTEND A MINIMUM OF 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK PER CBC SECTION 1133B.7.5.

WATERPROOFING COMMENTS	
1.	THERE IS A HEIGHTENED CONCERN IN THE CONSTRUCTION INDUSTRY ABOUT THE INTRUSION OF WATER INTO BUILDINGS AND THE RESULTING MOLD THAT DEVELOPS SUBSEQUENTLY. THE OWNER/CLIENT HAS MADE A DILIGENT ATTEMPT TO SPECIFICALLY DETAIL THE PROJECT TO STOP THIS WATER FROM ENTERING THROUGH PENETRATIONS INTO THE BUILDING. HOWEVER, ALL OF THESE AVENUES WHICH ALLOW THE INTRUSION OF WATER INTO THE BUILDING MAY NOT HAVE BEEN OBSERVED DURING DESIGN. DURING THE COURSE OF YOUR CONSTRUCTION OF THE BUILDING, THE OWNER/CLIENT'S REPRESENTATIVE ASKS TO BE ADVISED IMMEDIATELY OF ANY QUESTIONABLE CONDITIONS THAT MAY OCCUR WITH RESPECT TO THE PERCEIVED WATER-TIGHTNESS OF THE STRUCTURE. ONCE A BUILDING SUFFERS A BREACH, AND MOLD DEVELOPS, A BUILDING CAN BECOME UNHABITABLE, AND CORRECTIONS COSTLY. WE ASK THAT THE CONSTRUCTION TEAM BE DILIGENT IN THEIR CONSTRUCTION EFFORTS TO HELP INSURE THAT, THE BUILDING THAT WE TURN OVER AS A TEAM, WILL BE AS WATERTIGHT AS WE CAN MAKE IT. YOU, THE CONTRACTOR, WILL BE THE LAST HANDS ON THE PROJECT, AND WE ARE CERTAINLY AVAILABLE TO DISCUSS WITH YOU, YOUR CONSTRUCTABILITY IDEAS TO KEEP THIS PROJECT WATERTIGHT.
LIFE SAFETY	
1.	POST ROOM CAPACITY SIGN AS PROVIDED BY THE LOCAL FIRE DEPARTMENT IN EACH CLASSROOM, ASSEMBLY ROOM OR SIMILAR PURPOSED ROOM HAVING AN OCCUPANT LOAD OF 50 OR MORE.
2.	PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED IN CABINETS LOCATED WITHIN SEVENTY-FIVE (75) FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR AND AS SHOWN ON PLANS.
3.	INTERIOR FINISHES TO COMPLY WITH CHAPTERS 7 AND 8, AND GLASS AND GLAZING TO COMPLY WITH CHAPTER 24 OF THE CBC AND ALL OTHER APPLICABLE CODES AND REGULATIONS GOVERNING THE PLACE OF THE BUILDING.
4.	"PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR -CEILINGS AND ROOF-CEILING SHALL BE PROTECTED AS REQUIRED IN CBC SECTION 713".
5.	CONTRACTOR SHALL MAINTAIN THE RATING OF ALL PENETRATING WALLS AND SHALL APPLY FIRESTOP AND FIREPROOFING, AT HIS EXPENSE, WHENEVER ANY PENETRATION ARE MADE...ETC. FIRESTOP AND FIREPROOFING MATERIAL SHALL BEAR U.L. LISTING NUMBER DEPICTING WALL TYPE COMPOSITION AND FIRE RATED MATERIAL LIMITATIONS. SUBMIT PROPOSED FIRESTOP FIREPROOFING METHOD FOR APPROVAL PRIOR TO APPLICATION IN THE FIELD.
6.	EVERY EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
7.	PANIC HARDWARE SHALL BE PROVIDED ON EXIT DOORS SERVING ROOMS, CORRIDORS OR STAIRWAYS HANDLING AN OCCUPANT CAPACITY OF 50 OR MORE PERSONS.
8.	ANY DECORATIONS (DRAPES, CURTAINS, SHADES, ETC.) USE SHALL BE NON-COMBUSTIBLE OR FLAME-PROOF IN AN APPROVED MANNER, TO COMPLY WITH FIRE MARSHALL BUILDING CODE REQUIREMENTS.
9.	ALL EXIT SIGNS OR ILLUSTRATED ON PLANS ARE TO BE ILLUMINATED PER CURRENT ELECTRICAL CODE AND SHALL BE CEILING OR WALL MOUNTED. THE EMERGENCY SYSTEM PROVIDES FOR A LIGHTING VALUE OF ONE-FOOT-CANDLE AT FLOOR LEVEL EXIT LIGHTING AND CAC, AND UBC CHAPTER 10. SIGNS SHALL HAVE 6" LETTERS ON CONTRASTING BACKGROUND.
FIRE SAFETY DURING CONSTRUCTION	
ALTERATIONS AND DEMOLITION FOR REMODEL PROJECTS:	
1.	IMPAIRMENTS TO ANY FIRE PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH 2022 CFC, SECTION 901. 2022 CFC, SECTION 1408.6
2.	COVER OR REMOVE SMOKE DETECTORS DURING ALTERATION WHEN REQUIRED BY THE FIRE MARSHAL. HEAT DETECTORS MAY BE SUBSTITUTED FOR SMOKE DETECTORS DURING ALTERATIONS. NFPA 72-2016, SECTION 17.7.1.11
3.	MAINTAIN REQUIRED EXITS. WHEN TEMPORARY CONSTRUCTION BARRIERS ARE PROVIDED, EXIT CORRIDORS SERVING BEDRIDDEN PATIENTS SHALL HAVE THEIR REQUIRED WIDTH REDUCED TO NOT LESS THAN 6 FEET. 2022 CFC, SECTION 1411.2
4.	TEMPORARY EXITS SHALL BE REVIEWED BY FIRE MARSHAL. 2022 CFC, SECTION 1411.2
5.	MAINTAIN FIRE-RESISTANCE RATING OF FIRE- RESISTANCE-RATED CONSTRUCTION AND MAINTAIN OPENING PROTECTIVES IN AN OPERATIVE CONDITION. 2022 CFC, SECTION 703.1 AND 703.2.
6.	PLASTIC FILM WHEN USED FOR DUST PROTECTION SHALL BE FLAME RESISTANT. TITLE 19, DIVISION 1, CHAPTER 1, SUBCHAPTER 1, ARTICLE 3, SECTION 3.08
7.	HOT WORK OPERATIONS INCLUDING CUTTING, WELDING AND GRINDING SHALL BE IN ACCORDANCE WITH 2022 CFC, CHAPTER 26. 2022 CFC, SECTION 1404.6.
FIRE PREVENTION	
1.	EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING ANY HAZARDOUS AREA OR WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE.
2.	EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT (2022 CBC 1010.9).
3.	EXCEPTION: THIS REQUIREMENT SHALL NOT APPLY TO EXTERIOR EXIT DOORS IN A GROUP "B" OCCUPANCY IF THERE IS A VISIBLE, DURABLE SIGN ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED". THE LETTERS SHALL BE NOT LESS THAN 1 INCH HIGH ON A CONTRASTING BACKGROUND. THE LOCKING DEVICE MUST BE A TYPE THAT WILL BE READILY DISTINGUISHABLE AS LOCKED.
4.	PANIC HARDWARE, WHEN INSTALLED, SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS. THE ACTIVATING MEMBER SHALL BE MOUNTED AT A HEIGHT OF NOT LESS THAN 30 INCHES NOR MORE THAN 44 INCHES ABOVE THE FLOOR. THE UNLATCHING FORCE SHALL NOT EXCEED 15 POUNDS WHEN APPLIED IN THE DIRECTION OF EXIT TRAVEL. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE (11 LUX) AT THE WALKING SURFACE LEVEL (2022 CBC 1008.1, 1008.2, AND 1008.3).
5.	EXIT ILLUMINATION SHALL COMPLY WITH 2022 CBC SECTION 1008 AND 1013.
6.	EXIT SIGNS SHALL BE INSTALLED AT REQUIRED EXIT DOORWAYS AND WHERE OTHERWISE NECESSARY TO CLEARLY INDICATE THE DIRECTION OF EGRESS WHEN THE EXIT SERVES AN OCCUPANT LOAD OF 50 OR MORE.
7.	EXCEPTION: MAIN EXTERIOR EXIT DOORS WHICH OBVIOUSLY AND CLEARLY ARE IDENTIFIABLE AS EXITS NEED NOT BE SIGNED WHEN APPROVED BY THE BUILDING OFFICIAL.
8.	WHEN NECESSARY, THE FINAL LOCATION AND QUANTITY OF EXIT SIGNS SHALL BE DETERMINED BY THE FIRE DEPARTMENT PRIOR TO CONSTRUCTION OF ANY WORK.
9.	THE COLOR AND DESIGN OF LETTERING, ARROWS AND OTHER SYMBOLS ON EXIT SIGN SHALL BE IN HIGH CONTRAST WITH THEIR BACKGROUND (3/4" X 6" LETTERS MIN.).
10.	ALL RATED CORRIDOR DOORS SHALL HAVE A THRESHOLD WITH A SMOKE AND DRAFT SEAL AT HEAD AND JAMBS.
11.	INTERIOR WALL AND CEILING FINISHES SHALL BE NON-COMBUSTIBLE OR HAVE A FLAME SPREAD INDEX OF 0 TO 25; SMOKE-DEVELOPED INDEX 0-450.
12.	ALL DRAPES, HANGING CURTAINS, AND OTHER DECORATIVE MATERIALS SHALL BE TREATED AND MAINTAINED IN A FLAME RETARDANT CONDITION.
13.	FIRE DAMPERS OR DOORS SHALL BE PROVIDED WHERE AIR DUCTS PENETRATE FIRE RATED WALLS OR CEILINGS AS PER 2022 CBC SECTION 716.
14.	EXTEND/MODIFY FIRE/LIFE SAFETY SYSTEMS AS REQUIRED.
15.	EXTEND FIRE SPRINKLERS SYSTEMS AS REQUIRED.
16.	FIRE SPRINKLER OR LIFE SAFETY PLANS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.
17.	FIRE SPRINKLER SYSTEM PLAN MUST BE REVISED AND APPROVED BY THE CITIES FIRE DEPARTMENT PRIOR TO THE INSTALLATION OR MODIFICATION OF SPRINKLER SYSTEMS.
18.	A PORTABLE FIRE EXTINGUISHER WITH A MINIMUM 2A10BC RATING SHALL BE PROVIDED EVERY 75' OF TRAVEL DISTANCE FROM ANY POINT WITHIN THE AREA DEFINED AS SCOPE OF WORK PER THESE PLANS PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY FIRE DEPARTMENT FIELD INSPECTOR.
19.	ALL EMERGENCY LIGHTING SOURCES SHALL EMIT A MINIMUM VALUE OF ONE FOOT CANDLE MEASURED AT FLOOR LEVEL.
20.	PROVIDE EMERGENCY NOTIFICATION SYSTEM FOR THE HEARING AND VISUAL IMPAIRED PER A.D.A. REQUIREMENTS.
21.	

ABBREVIATIONS			
@	ANCHOR BOLT	HT	HEIGHT
AB	ASPHALTIC CONCRETE	HWAC	HEATING VENTILATION AIR CONDITION
AC	ACOUST ACOUSTICAL	HP	HIGH POINT
ADJ	ADJUSTABLE	ID	INSIDE DIAMETER
AFF	ABOVE FINISH FLOOR	INCL	INCLUDING
AL	ALUMINUM	INT	INTERIOR
ANOD	ANODIZED	LP	LOW POINT
AP	ACCESS PANEL	L	LONG (LENGTH)
ARCH	ARCHITECT (URAL)	LAM	LAMINATED
BD	BOARD	LAV	LAVATORY
BEL	BELOW	LBL	LABEL
BET	BETWEEN	LH	LEFT HAND
BLDG	BUILDING	LW	LIGHTWEIGHT
BLK(G)	BLACKING	MAS	MASONRY
B	BOTTOM	MAX	MAXIMUM
BRG	BEARING	MB	MACHINE BOLT
BS	BOTH SIDES	MECH	MECHANICAL
BUL	BULLETIN	MED	MEDIUM
BUR	BUILT UP ROOFING	MET	METAL
CB	CATCH BASIN	MFR	MANUFACTURER
CEM	CEMENT	MISC	MISCELLANEOUS
CFCI	CONTRACTOR FURBISHED	MO	MASONRY OPENING
CI	CONTRACTOR INSTALLED	MNT	MATERIALS
CJ	CAST IRON	NAT	NATURAL
CL	CEILING JOIST	NEW	NEW
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLG	CEILING	N	NORTH
CLN	CLEARANCE	O.C.	ON CENTER(S)
COL	COLUMN	OD	OUTSIDE DIAMETER
CONC	CONCRETE	OFCI	OWNER FURBISHED
CONST	CONSTRUCTION	OFOI	CONTRACTOR INSTALLED
CONT	CONTINUOUS OR CONTINUE		OWNER FURBISHED OWNER
CONTR	CONTRACTOR		INSTALLED
D	DEEP (DEPTH)	OPNG	OPENING
OPP	DRINKING FOUNTAIN	OPP	OPPOSITE
DIAG	DIAGONAL	OVERHANG	OVERHANG
DIAM	DIAMETER	PLAS	PLASTER, PLASTIC
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DN	DOWN	PVI	POUNDS PER SQUARE INCH
DR	DOOR	PSI	POLYVINYL
DS	DOWNSPOUT	R	RISER
DTL	DETAIL	RAD	RADIUS
DWG	DRAWING	RO	ROUGH DRAIN
E	EAST	REF	REFERENCE
EA	EACH	REFL	REFLECTED
ELEV	ELEVATION	REINF	REINFORCED
ELECT	ELECTRICAL	REQD	REQUIRED
EMER	EMERGENCY	REV	REVISION
EQ	EQUAL	RH	RIGHT HAND
EX	ELECTRICAL WATER COOLER	RM	ROOM
EXH	EXHAUST	RO	ROUGH OPENING
(E)	EXISTING	S	SOUTH
EXP	EXPOSED	SC	SOLID CORE
EXT	EXTERIOR	SEC	SECTION
FD	FLOOR DRAIN	SF	SQUARE FOOT (FEET)
FE(C)	FIRE EXTINGUISHER CABINET	SL	SKY LIGHT
FFE	FINISH FLOOR ELEVATION	SIM	SIMILAR
FHC	FIRE HOSE CABINET	SPEC	SPECIFICATIONS
FIN	FINISHED	SQ	SQUARE
FJ	FLOOR JOIST	SYM	SYMMETRICAL
FLR	FLOORING	T	TREAD, TOP
FOC	FACE OF CONCRETE	TE	TELEPHONE
FOF	FACE OF FINISH	(T)	TEMPERED
FOM	FACE OF MASONRY	T&G	TONGUE & GROOVE
FOS	FACE OF STUDS	TOP	TOP OF PARAPET
FTG	FOOTING	TOS	TOP OF SLAB
GA	GAUGE	TS	TOP OF STEEL
GI	GLAZED IRON	TW	TOP OF WALL
GL	GLASS, GLAZING	TYP	TYPICAL
GLB	GLUE LAMINATED BEAM	UN.O	UNLESS NOTED OTHERWISE
GYP	GYPSUM	URINAL	URINAL
GWB	Gypsum WHITE BOARD	VERT	VERTICAL
H	HIGH (HEIGHT)	VG	VERTICAL GRAIN
HB	HOSE BIBB	VINYL	VINYL
HC	HOLLOW CORE	W	WEST, WIDTH, WIDE
HDR	HEADER	WC	WATER CLOSET
HDW	HARDWARE	WP	WATER PROOFING
HM	HOLLOW METAL	WR	WATER REPELLENT
HOR	HORIZONTAL		
SYMBOLS LEGEND			
INTERIOR ELEVATION BUBBLE		WALL TYPE MARK	
	ELEVATION NUMBER		WALL TYPE NUMBER.
BUILDING SECTION BUBBLE		DOOR TYPE MARK	
	ELEVATION NUMBER		DOOR NUMBER.
DETAIL REFERENCE BUBBLE		WINDOW TYPE MARK	
	DRAWING NUMBER		WALL TYPE NUMBER.
	SHEET NUMBER	KEYNOTE/GRIDLINE MARK	
		WORKING POINT	
APPLICABLE CODES			
1.	CALIFORNIA BUILDING CODE	2022	
2.	CALIFORNIA ELECTRICAL CODE	2022	
3.	CALIFORNIA MECHANICAL CODE	2022	
4.	CALIFORNIA PLUMBING CODE	2022	
5.	ENERGY (TITLE 24 - 6)	2022 STANDARDS	
6.	CALIFORNIA FIRE CODE	2022	
7.	NFPA 101	2022 EDITION	
8.	CalGREEN	CURRENT EDITION	
REFER TO SHEET CV-1 FOR A LIST OF ADDITIONAL APPLICABLE CODES.			

PROJECT DESCRIPTION			
1. LOBBY REMODEL (SECURITY LOBBY) 2. ACCESSIBLE UPGRADES (LOBBY, EXTERIOR PAVING RESURFACE, SIGNAGE, TOILET ROOM) 3. MINOR MECHANICAL, PLUMBING AND ELECTRICAL			
CODE ANALYSIS			
PROJECT ADDRESS:		11615 STERLING AVE, RIVERSIDE, CA 92503	
CONSTRUCTION TYPE:		VA - NON RATED (BASED ON UNIFORM BUILDING CODE 1988)	
OCCUPANCY:		B	
OCCUPANCY ANALYSIS :			
	AREA	OCCUPANT LOAD	TOTAL OCCUPANT
GROUND FLOOR	5,400	1/100	54
SECOND FLOOR	4,930	1/100	49
TOTAL	10,330 S.F.		103
TOTAL FLOOR AREA:		10,330 SF.	
SPRINKLER BUILDING:		SPRINKLED	
NUMBER OF STORIES:		2	
EXITING ANALYSIS :			
	GROUND FLOOR	SECOND FLOOR	
	OCCUPANT LOAD	OCCUPANT LOAD	
EXIT REQUIRED	54	EXIT REQUIRED	2
EXIT PROVIDED	3	EXIT PROVIDED	2
DEFERRED APPROVALS: FIRE SPRINKLERS / FIRE ALARM			
PROJECT ADDRESS			
11615 STERLING AVE, RIVERSIDE, CA 92503			
DESIGN/BUILD COORDINATION			
<ul style="list-style-type: none"> CONTRACTOR SHALL SUBMIT DESIGN/BUILD WORK FOR REVIEW. DESIGN/BUILD WORK MAY REQUIRE SEPARATE APPROVAL BY LOCAL GOVERNING JURISDICTION. CONTRACTOR SHALL PROMPTLY SUBMIT AND OBTAIN REQUIRED APPROVALS FOR THIS WORK. EXTERIOR ACCESSIBILITY IMPROVEMENTS TO BE UNDER SEPARATE PERMIT REFERENCE #GP-2024-07972 WITH CIVIL ENGINEERING DRAWINGS. 			
CONSTRUCTION COORDINATION/SCHEDULING			
1. THE GENERAL CONTRACTOR SHALL COORDINATE ACCESS TO AND FROM THE SITE WITH THE SAWPA REPRESENTATIVE.			
DEFERRED SUBMITTALS			
CONTRACTOR TO SUBMIT ANY ALTERATIONS AND/OR CHANGES TO:			
1.	DESIGN/BUILD FIRE ALARM		
2.	DESIGN/BUILD FIRE SPRINKLER MODIFICATIONS		
3.	PROVIDE AND INSTALL ALL NEW FIRE SPRINKLER HEADS		
4.	USE QUICK RESPONSE CONCEALED HEADS, AND PROVIDE BRACKET AND SEISMIC BRACING PER NFPA		
ALL MODIFICATIONS SHALL BE SUBMITTED CONCURRENTLY WITH OWNER AND DESIGN TEAM FOR REVIEW AND APPROVAL IN ADDITION TO FIRE MARSHAL REVIEW AND APPROVAL.			
ADDITIVE ALTERNATES			

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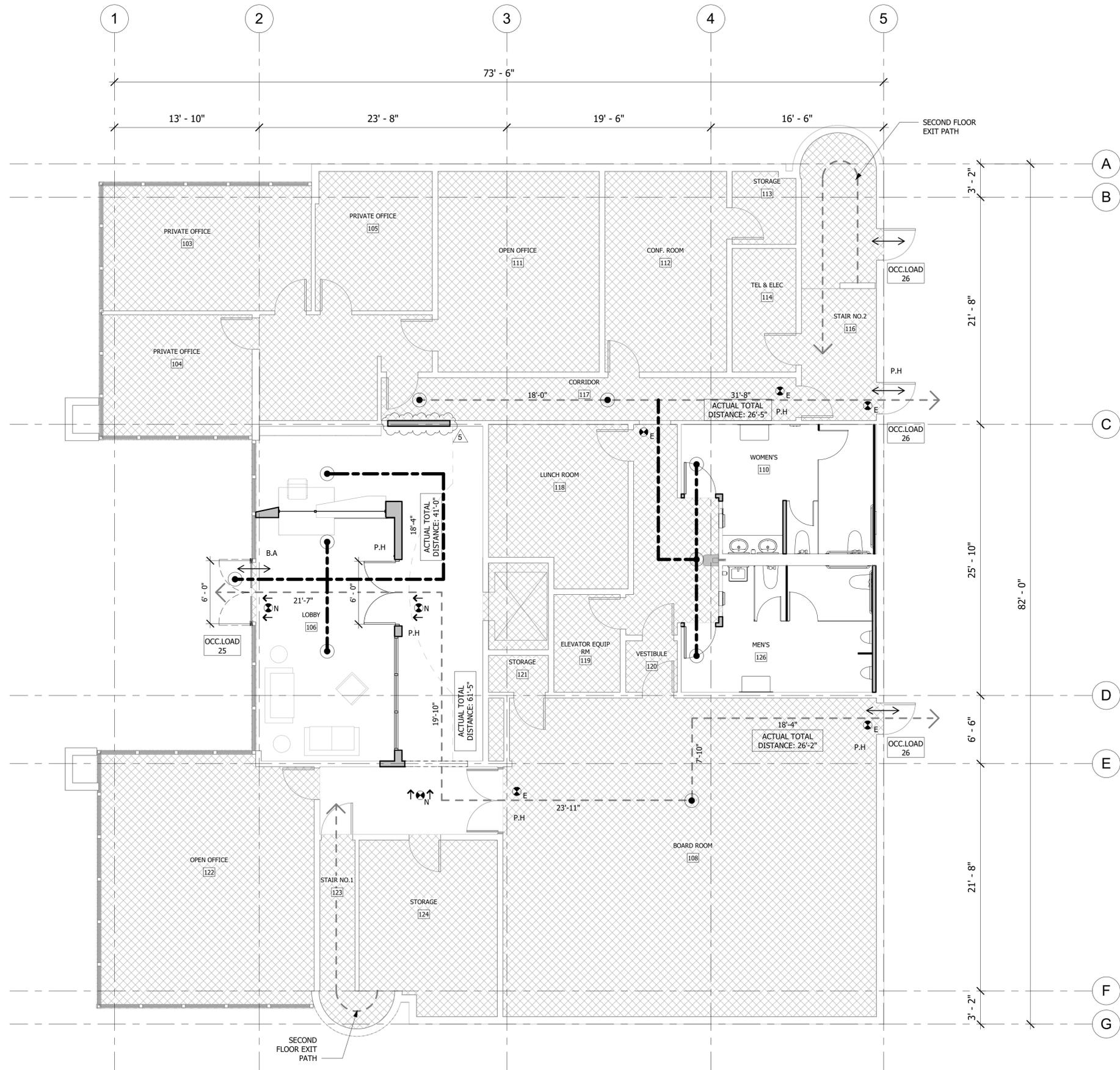
DATE: 21 OCT 2024
DATE: 21 OCT 2024

DESIGN DEVELOPMENT
ADDENDUM #5

JOB NO.: 3903
CHECKED BY: AR. VIET
DRAWN BY: AR. CHINTAN
SCALE: As indicated

TITLE SHEET
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

T-1



1 ACCESSIBLE / EXITING FLOOR PLAN
A-1.1 3/16" = 1'-0"

CODE ANALYSIS

PROJECT ADDRESS: 11615 STERLING AVE, RIVERSIDE, CA 92503

CONSTRUCTION TYPE: VA - NON RATED
(BASED ON UNIFORM BUILDING CODE 1988)

OCCUPANCY: B

OCCUPANCY ANALYSIS:

	AREA	OCCUPANT LOAD	TOTAL OCCUPANT
GROUND FLOOR	5,400	1/100	54
SECOND FLOOR	4,930	1/100	49
TOTAL	10,330 S.F.		103

TOTAL FLOOR AREA: 10,330 SF.
SPRINKLER BUILDING: SPRINKLED
NUMBER OF STORIES: 2

EXITING ANALYSIS:

	GROUND FLOOR	SECOND FLOOR
OCCUPANT LOAD	54	OCCUPANT LOAD 49
EXIT REQUIRED	2	EXIT REQUIRED 2
EXIT PROVIDED	3	EXIT PROVIDED 2

DEFERRED APPROVALS: FIRE SPRINKLERS / FIRE ALARM

LIFE SAFETY LEGEND:

- T.D. = XX' → TRAVEL DISTANCE = XX FEET
- PATH OF TRAVEL SYMBOL
- N NEW EXIT SIGN
- E EXISTING EXIT SIGN
- P.H PANIC HARDWARE
- B.A BREAK AWAY SWING DOOR

ACCESSIBLE LEGEND:

- PATH OF ACCESSIBLE TRAVEL FROM MAIN ENTRANCE TO REMODELED/MODIFICATION

P.H. DOOR HARDWARE EXIT NOTES:

- ALL EXITS ARE TO BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.

LEGEND:

- ▨ AREA NOT A PART OF WORK

OCCUPANCY CALCULATION:

EGRESS WIDTH CALCULATION FOR OFFICE BUILDING

PROJECT INFORMATION:

BUILDING TYPE: OFFICE BUILDING
TOTAL OCCUPANT LOAD: 103 PEOPLE
NUMBER OF EXITS: 4
EXIT WIDTH PROVIDED: 6' WIDTH AT MAIN ENTRANCE, 3' WIDTH AT SECONDARY ENTRANCES

EGRESS WIDTH CALCULATION:

DETERMINE OCCUPANT LOAD PER EXIT:

TOTAL OCCUPANTS: 103
NUMBER OF EXITS: 4
OCCUPANTS PER EXIT: 103 OCCUPANTS
4 EXITS = 25.75 OCCUPANTS (ROUND UP TO 26 OCCUPANTS PER EXIT)

CALCULATE REQUIRED EGRESS WIDTH:
CBC 1005.3.1 REQUIRES 0.15 INCHES PER OCCUPANT FOR NON-STAIRWAY EGRESS COMPONENTS.

REQUIRED WIDTH PER EXIT:
26 OCCUPANTS × 0.15 INCHES/OCCUPANT = 3.75 INCHES
26 OCCUPANTS × 0.15 INCHES/OCCUPANT = 3.75 INCHES
CONVERT TO FEET: 3.75 INCHES ÷ 12 INCHES/FOOT = 0.3125 FEET

COMPARE REQUIRED WIDTH TO PROVIDED WIDTH:

REQUIRED WIDTH PER EXIT: 0.3125 FEET (3.75 INCHES)
PROVIDED WIDTH AT MAIN EXIT: 6 FEET (72 INCHES)

CONCLUSION:
THE REQUIRED EGRESS WIDTH FOR EACH EXIT SERVING 26 OCCUPANTS IS 0.3125 FEET (3.75 INCHES). THE PROVIDED WIDTH OF 6 FEET (72 INCHES) AT MAIN EXIT EXCEEDS THE REQUIRED WIDTH. THEREFORE, THE EXITS ARE MORE THAN ADEQUATE FOR THE OCCUPANT LOAD, ENSURING COMPLIANCE WITH CBC 1005.

COMPLIANCE STATEMENT:
THE PROVIDED EGRESS WIDTH OF ALL EXITS FOR AN OCCUPANT LOAD OF 103 PEOPLE, DISTRIBUTED ACROSS THREE EXITS, MEETS THE REQUIREMENTS SET FORTH IN THE CALIFORNIA BUILDING CODE (CBC) 1005. EACH EXIT COMFORTABLY EXCEEDS THE REQUIRED EGRESS WIDTH, ENSURING SAFE AND EFFICIENT EVACUATION IN CASE OF AN EMERGENCY.



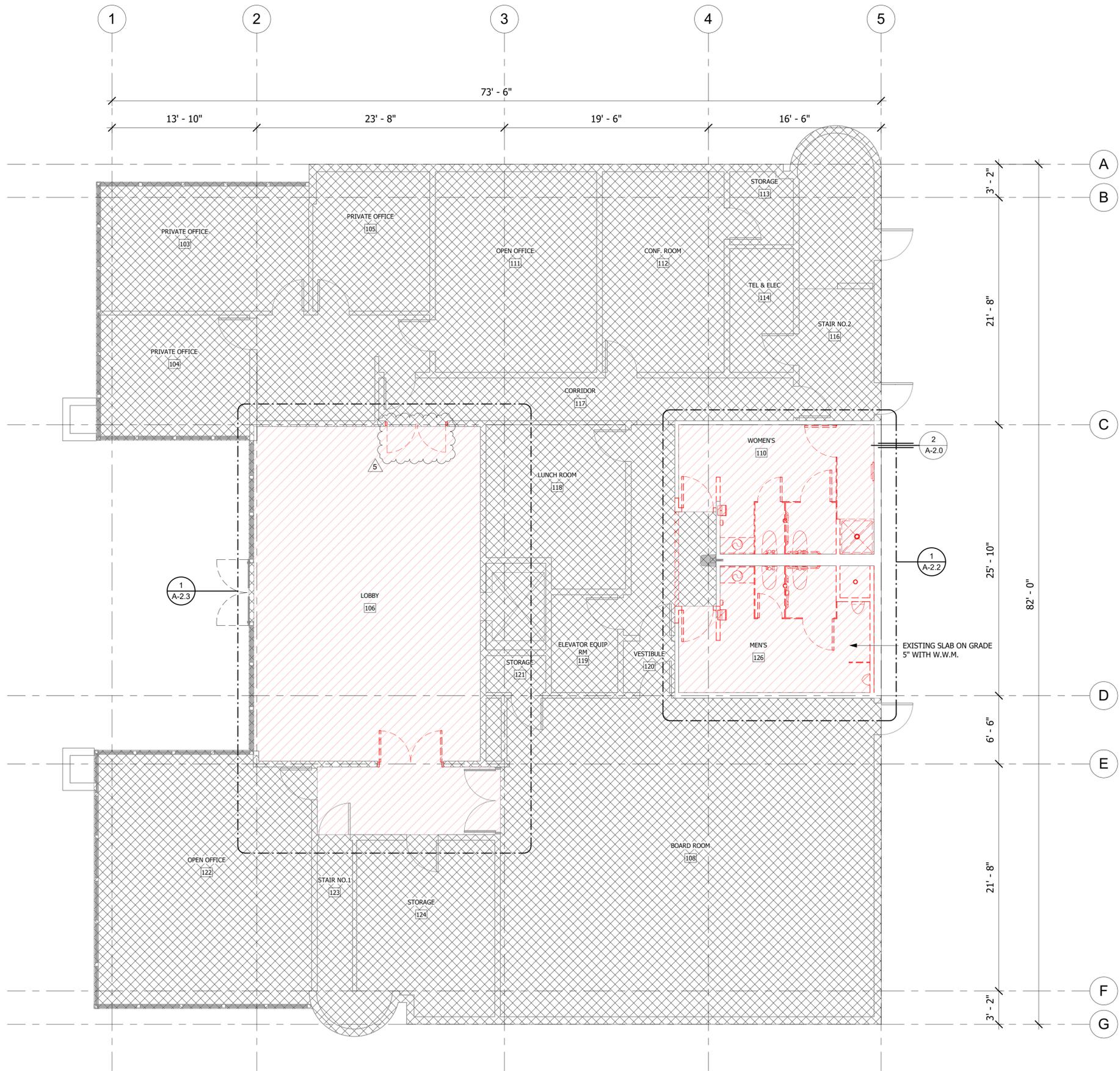
Gillis + Panichapan Architects, Inc.
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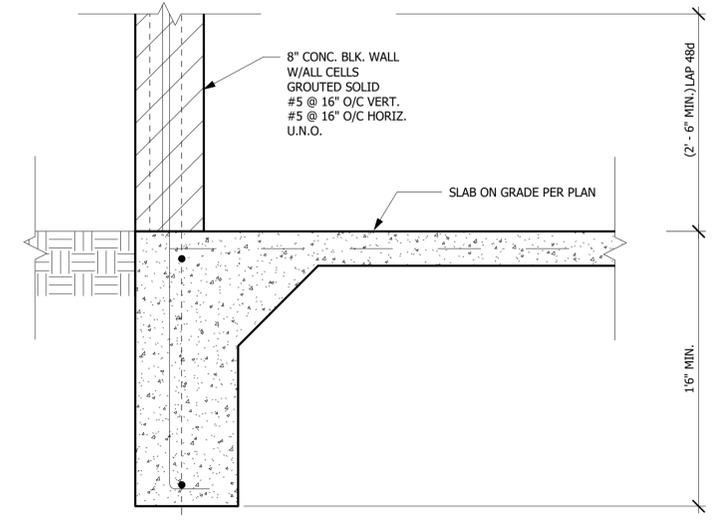
DATE: 21 OCT 2024	DRAWN BY: Author
DATE: 21 OCT 2024	CHECKED BY: Checker
DESIGN DEVELOPMENT	ADDENDUM #5
JOB NO.: 3003	SCALE: As Indicated

EXITING PLAN
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

A-1.1



1 DEMOLITION FIRST FLOOR PLAN
A-2.0 3/16" = 1'-0"



2 EXISTING FOUNDATION DETAIL (FOR REFERENCE ONLY)
A-2.0 3/4" = 1'-0"

GENERAL DEMOLITION NOTES:

1. REMOVE ITEMS INDICATED FOR DEMOLITION AND PROTECT ADJACENT SYSTEMS AND FINISHES TO REMAIN.
2. WHERE REMOVAL OF ITEMS NOTED FOR DEMOLITIONS AFFECTS THE ADJACENT SURFACE OR SYSTEM, CAREFULLY REMOVE/CUT THE ADJACENT FINISH FOR EASE OF PATCHING AND REPAIR.
3. DEMOLITION MAY REQUIRED REMOVAL OF SURROUNDING ITEMS ALSO TO BE REMOVED TO BE ABLE TO INSTALL SUPPORT (HEADER STUDS/JAMB STUDS, ETC.) FOR TYPICAL INSTALLATION OF THE NEW ITEM.
4. IF DEMOLITION AFFECTS THE RATING OF THE LIFE/SAFETY SYSTEMS, PROVIDE A TEMPORARY SYSTEM UNTIL THE PERMANENT ITEM/SYSTEM CAN BE INSTALLED (DOORS AND WALLS). LIFE/SAFETY SYSTEMS ARE TO BE IN WORKING CONDITION DURING DEMOLITION WHILE THE BUILDING IS OCCUPIED. EXIT ROUTES, SIGNAGE AND ILLUMINATION IS TO BE PER CODE DURING CONSTRUCTION.

GENERAL NOTES:

1. SEAL AND PROTECT EXISTING CEILING AND WALLS FROM DAMAGE AND DEBRIS DURING STRUCTURAL RETROFIT.
2. AFTER RETROFIT, REMAINING EXISTING WALLS TO BE PATCHED AND REPAINTED. PATCH AND REPAIR FLOOR SURFACE AND BASE AFFECTED FROM THE RETROFIT.
3. TELECOM ROOM: GC RESPONSIBLE TO CARRY CONTRACT TO PROTECT THE CRITICAL EQUIPMENT.
4. GENERATOR ROOM: IF GENERATOR SHUTS DOWN CONTRACTOR IS TO PROVIDE TEMPORARY POWER.
5. SECURITY EQUIPMENT: SAWPA IS RESPONSIBLE FOR RELOCATION AND MODIFICATION OF ALL SECURITY EQUIPMENT.
6. REMOVAL OF ANY LIGHTING FIXTURES AS A RESULT OF SEISMIC WORK TO BE PLACED BACK IN ORIGINAL CONDITION AND IN WORKING ORDER.
7. ALL CEILING TILE AND GRID TO BE REPLACED BY GC IF DAMAGED OR MARRED AS A RESULT OF SEISMIC WORK.
8. PROVIDE PROTECTION AND VENTILATION OF ELECTRICAL PANELS AND CLOSETS WITHIN FOOTPRINT OF WORK.
9. GC TO PROTECT ELECTRICAL CLOSETS WHERE SEISMIC SCOPE EXISTS.
10. GC TO PATCH/PAINT TO MATCH EXISTING WALL SURFACES IMPACTED BY SEISMIC WORK (EXPOSED BEAMS, COLUMNS, STRUCTURAL ELEMENTS ARE TO BE FINISHED TO MATCH EXISTING SURFACE).

FLOOR PLAN LEGEND

- HATCH INDICATING AREA TO BE DEMOLISHED
- EXISTING WALL TO BE DEMOLISHED/RELOCATED
- EXISTING DOOR, HARDWARE, & FRAME TO BE DEMOLISHED
- EXISTING DOOR, HARDWARE, & FRAME TO REMAIN



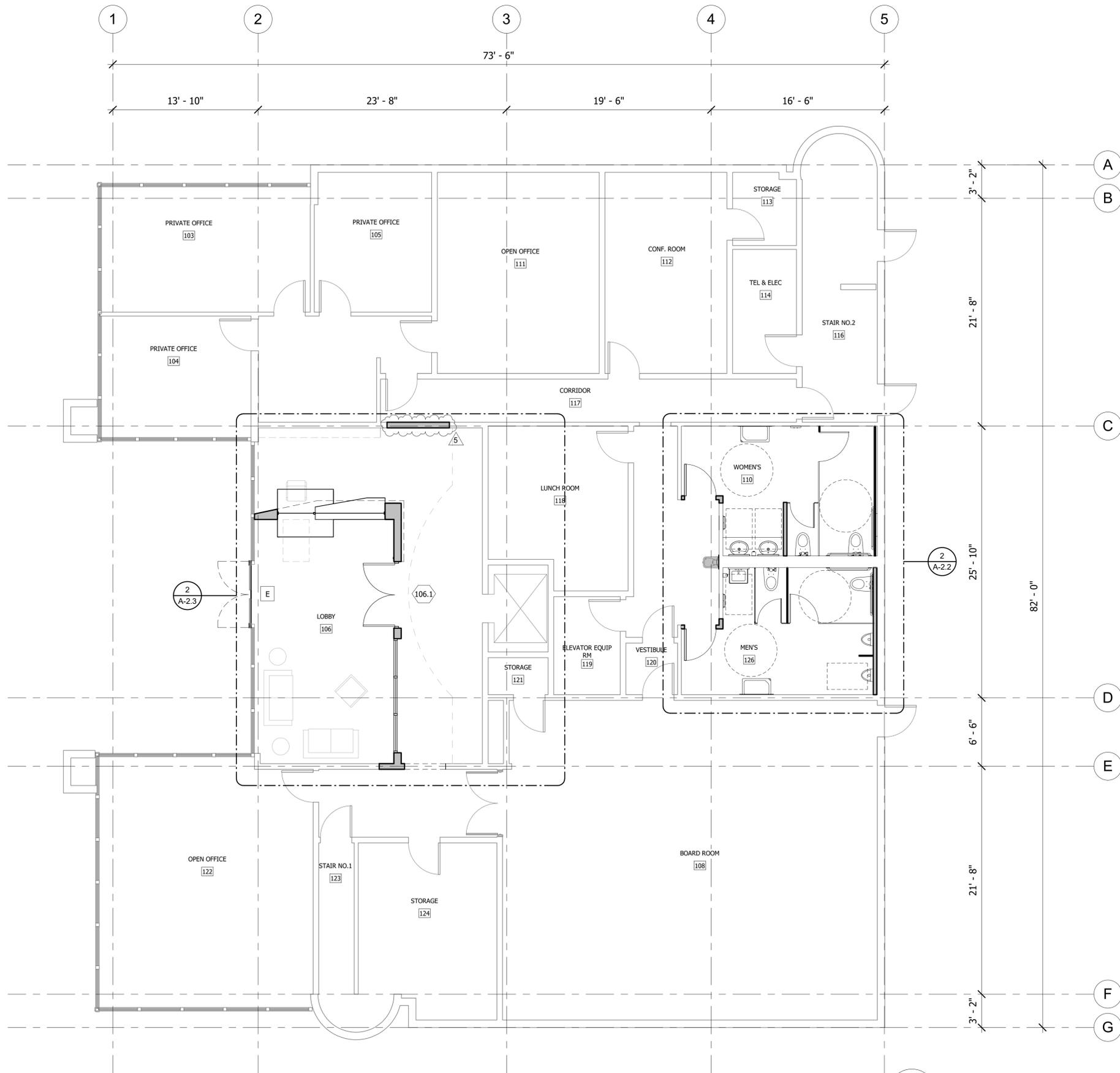
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DEMO FLOOR PLAN
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

A-2.0



GENERAL NOTES:

1. SEAL AND PROTECT EXISTING CEILING AND WALLS FROM DAMAGE AND DEBRIS DURING STRUCTURAL RETROFIT.
2. AFTER RETROFIT, REMAINING EXISTING WALLS TO BE PATCHED AND REPAINTED. PATCH AND REPAIR FLOOR SURFACE AND BASE AFFECTED FROM THE RETROFIT.
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10. GC TO PATCH/PAINT TO MATCH EXISTING WALL SURFACES IMPACTED BY SEISMIC WORK (EXPOSED BEAMS, COLUMNS, STRUCTURAL ELEMENTS ARE TO BE FINISHED TO MATCH EXISTING SURFACE).

FLOOR PLAN LEGEND

-  EXISTING WALL TO REMAIN
-  RESTROOM TOILET PARTITION WALL
-  NEW STUD WALL / FURRING
-  EXISTING DOOR, HARDWARE, & FRAME TO REMAIN



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PROPOSED FLOOR PLAN
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

A-2.1

1 PROPOSED FLOOR PLAN
A-2.1 3/16" = 1'-0"



GENERAL NOTES:

1. SEAL AND PROTECT EXISTING CEILING AND WALLS FROM DAMAGE AND DEBRIS DURING WORK.
2. AFTER RETROFIT, REMAINING EXISTING WALLS TO BE PATCHED AND REPAINTED. PATCH AND REPAIR FLOOR SURFACE AND BASE AFFECTED FROM WORK.
3. ALL CEILING TILE AND GRID TO BE REPLACED BY GC IF DAMAGED OR MARRED AS A RESULT OF WORK.
4. PROVIDE PROTECTION AND VENTILATION OF ELECTRICAL PANELS AND CLOSETS WITHIN FOOTPRINT OF WORK.
5. GC TO PROTECT ELECTRICAL CLOSETS WHERE WORK EXISTS.
6. GC TO PATCH/PAINT TO MATCH EXISTING WALL SURFACES IMPACTED BY WORK (EXPOSED BEAMS, COLUMNS, STRUCTURAL ELEMENTS ARE TO BE FINISHED TO MATCH EXISTING SURFACE).

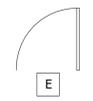
TOILET AND WASHROOM ACCESSORIES:

- | | |
|----|---|
| 01 | RECESSED TOILET SEAT COVER & TOILET TISSUE DISPENSER - BOBRICK B-3474 |
| 02 | PARTITION MOUNTED TOILET SEAT COVER & TOILET TISSUE DISPENSER - BOBRICK B-347 |
| 03 | SURFACE MOUNTED TOILET SEAT COVER & TOILET TISSUE DISPENSER - BOBRICK B-3479 |
| 04 | RECESSED TOILET SEAT COVER, SANITARY NAPKIN DISPOSAL & TOILET TISSUE DISPENSER - BOBRICK B-3574 |
| 05 | PARTITION MOUNTED TOILET SEAT COVER, SANITARY NAPKIN DISPOSAL & TOILET TISSUE DISPENSER - BOBRICK B-357 |
| 06 | MIRROR - BOBRICK B-290 |
| 07 | PAPER TOWEL/WASTE RECEPTACLE - BOBRICK B-3944 W/ B-29744 PAPER TOWEL DISPENSER |
| 08 | GRAB BAR - BOBRICK B-6806 |

GENERAL DEMOLITION NOTES:

1. REMOVE ITEMS INDICATED FOR DEMOLITION AND PROTECT ADJACENT SYSTEMS AND FINISHES TO REMAIN.
2. WHERE REMOVAL OF ITEMS NOTED FOR DEMOLITIONS AFFECTS THE ADJACENT SURFACE OR SYSTEM, CAREFULLY REMOVE/CUT THE ADJACENT FINISH FOR EASE OF PATCHING AND REPAIR.
3. DEMOLITION MAY REQUIRED REMOVAL OF SURROUNDING ITEMS ALSO TO BE REMOVED TO BE ABLE TO INSTALL SUPPORT (HEADER STUDS/JAMB STUDS, ETC.) FOR TYPICAL INSTALLATION OF THE NEW ITEM.
4. IF DEMOLITION AFFECTS THE RATING OF THE LIFE/SAFETY SYSTEMS, PROVIDE A TEMPORARY SYSTEM UNTIL THE PERMANENT ITEM/SYSTEM CAN BE INSTALLED (DOORS AND WALLS).
5. LIFE/SAFETY SYSTEMS ARE TO BE IN WORKING CONDITION DURING DEMOLITION WHILE THE BUILDING IS OCCUPIED. EXIT ROUTES, SIGNAGE AND ILLUMINATION IS TO BE PER CODE DURING CONSTRUCTION.

FLOOR PLAN LEGENDS

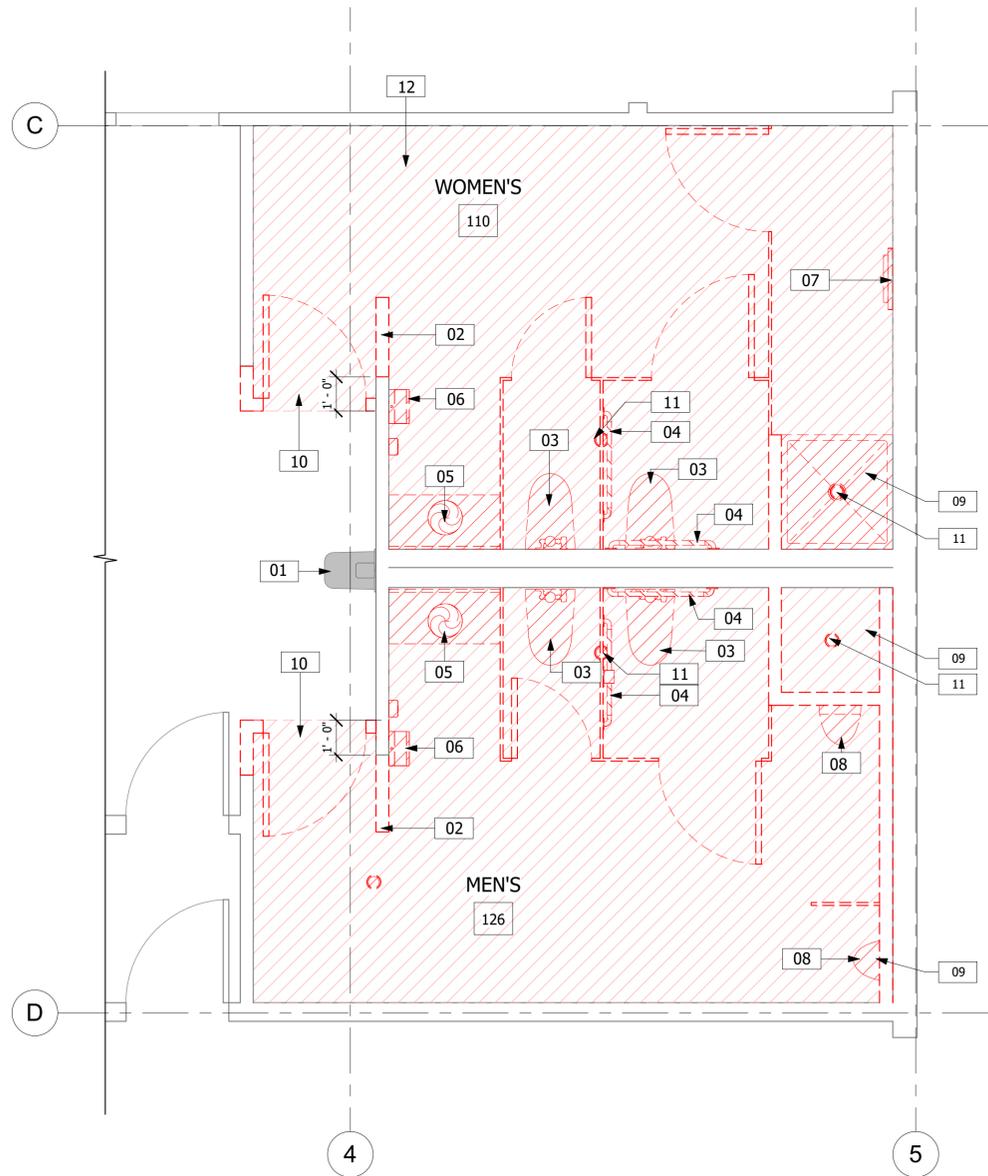
-  EXISTING WALL TO REMAIN
-  RESTROOM TOILET PARTITION WALL
-  EXISTING DOOR, HARDWARE, & FRAME TO BE DEMOLISHED
-  EXISTING DOOR, HARDWARE, & FRAME TO REMAIN
-  EXISTING WALL TO BE DEMOLISHED/RELOCATED

DEMO KEYNOTES:

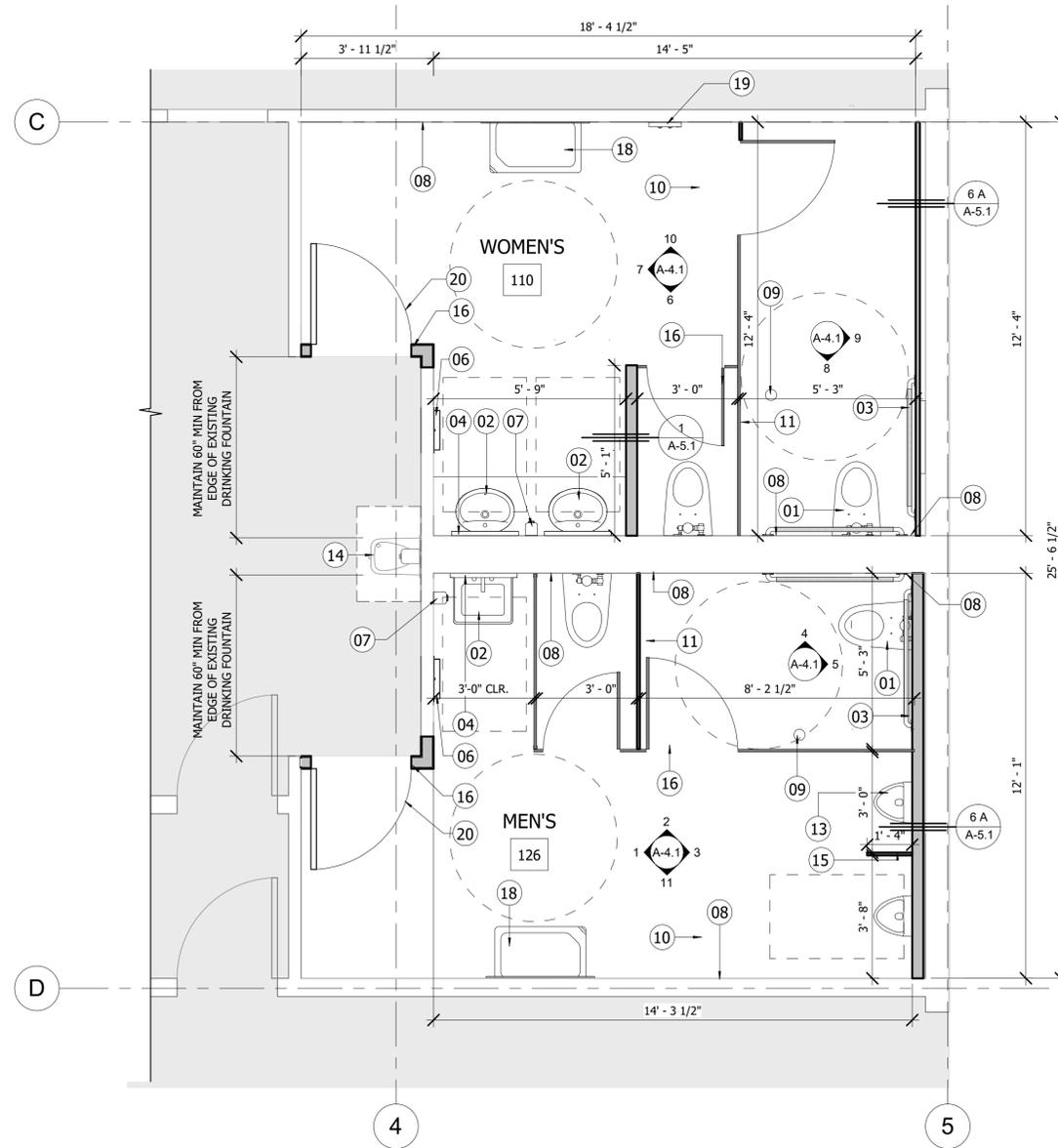
- LEGEND : XX**
- | | |
|----|---|
| 01 | EXISTING DRINKING FOUNTAIN TO STAY IN SAME PLACE AND TO BE ADJUSTED BY HEIGHT BY 1/2" TO PROVIDE ACCESSIBILITY COMPLIANCE. |
| 02 | DEMO THE WALL. |
| 03 | DEMO THE TOILET. |
| 04 | DEMO THE GRAB BAR. |
| 05 | DEMO THE VANITY AND LAVATORY. |
| 06 | DEMO THE DRYER. |
| 07 | DEMO THE DIAPER CHANGING TABLE. |
| 08 | DEMO URINAL. |
| 09 | REMOVE AND REPLACE EXISTING CONCRETE SLAB ON GRADE FOR NEW WASTE LINES (TYPICAL). |
| 10 | DEMO AND RELOCATE THE RESTROOM DOORS TO MAINTAIN A MINIMUM 44" OF CLEARANCE IN FRONT OF THE EXISTING DRINKING FOUNTAIN |
| 11 | EXISTING FLOOR DRAIN |
| 12 | PATCH AND REPAIR ENTIRE GYP. BD CEILING, MODIFY OR PROVIDE NEW CLG SUPPORT FRAMING AS REQUIRED NEW RECESSED LIGHT FIXTURES. |

PROPOSED RESTROOM KEYNOTES:

- LEGEND**
- | | |
|----|--|
| 01 | NEW FLOOR MOUNT WATER CLOSET, SEE PLUMBING |
| 02 | NEW SINK, SEE PLUMBING |
| 03 | NEW GRAB BAR |
| 04 | NEW MIRROR |
| 05 | NEW TOILET PAPER/SEAT COVER DISPENSER |
| 06 | NEW PAPER TOWEL DISPENSER/WASTE RECEPTACLE |
| 07 | NEW SOAP DISPENSER |
| 08 | NEW TILE WAINSCOT (SOME WALLS FULL HIGHT REFER TO ELEVATION) |
| 09 | NEW FLOOR DRAIN, SEE PLUMBING |
| 10 | NEW FLOOR FINISH |
| 11 | TOILET PARTITIONS |
| 12 | METAL COVERED BASE. |
| 13 | NEW URINAL, SEE PLUMBING. |
| 14 | EXISTING DRINKING FOUNTAIN TO STAY IN SAME PLACE AND TO BE ADJUSTED BY HEIGHT BY 1/2" TO PROVIDE ACCESSIBILITY COMPLIANCE. |
| 15 | URINAL SCREEN |
| 16 | NEW GYPBOARD FINISH TO MATCH WITH EXISTING. |
| 17 | UNDER COUNTER PANEL (ADA) |
| 18 | DIAPER CHANGING TABLE |
| 19 | SANITARY NAPKIN DISPENSOR VENDOR |
| 20 | RESTROOM RELOCATED DOOR. |



1 ENLARGED DEMOLITION FLOOR PLAN
A-2.2 3/8" = 1'-0"



2 ENLARGED PROPOSED FLOOR PLAN
A-2.2 3/8" = 1'-0"

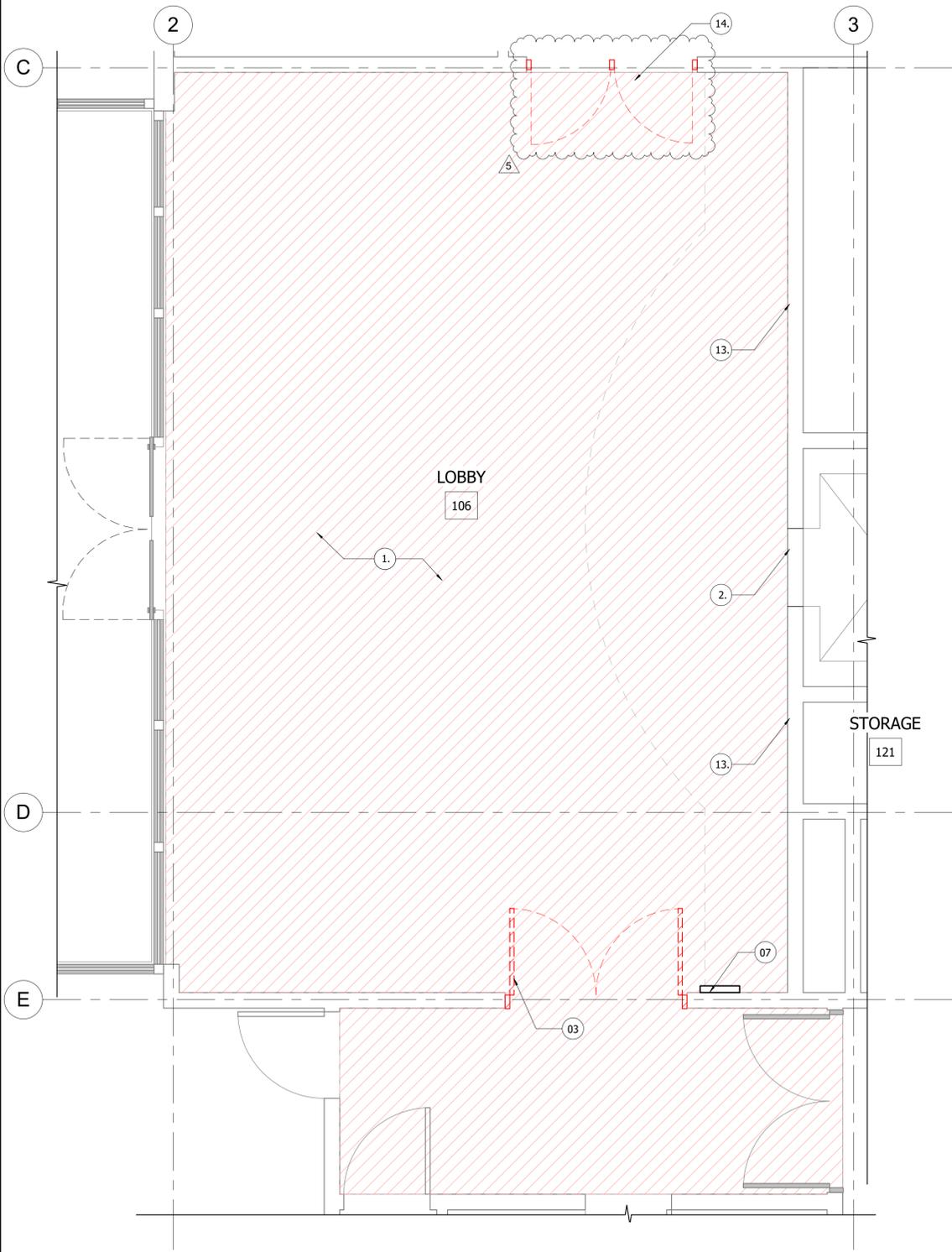


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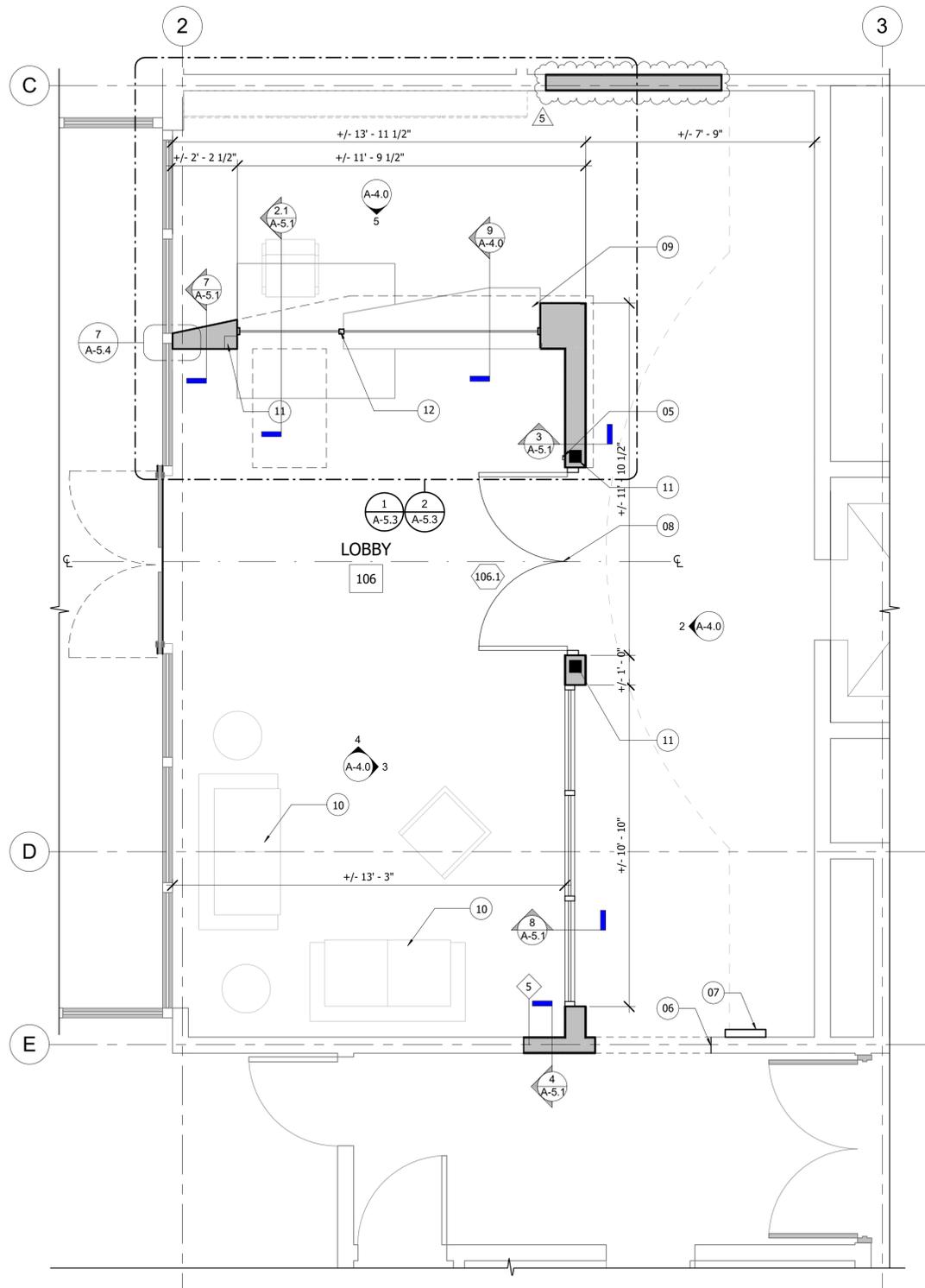
DATE: 21 OCT 2024	DRAWN BY: CHITAN
DATE: 21 OCT 2024	CHECKED BY: VIC
DESIGN DEVELOPMENT	ADDENDUM #5
JOB NO.: 3903	SCALE: As Indicated

ENLARGED RESTROOM PLANS
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY





1 ENLARGED DEMO LOBBY PLAN
A-2.3 3/8" = 1'-0"



2 ENLARGED PROPOSED LOBBY PLAN
A-2.3 3/8" = 1'-0"

FLOOR PLAN LEGEND

- HATCH INDICATING AREA TO BE DEMOLISHED
- EXISTING WALL TO BE DEMOLISHED/RELOCATED
- EXISTING DOOR, HARDWARE, & FRAME TO BE DEMOLISHED
- EXISTING DOOR, HARDWARE, & FRAME TO REMAIN

GENERAL NOTES:

1. SEAL AND PROTECT EXISTING CEILING AND WALLS FROM DAMAGE AND DEBRIS DURING STRUCTURAL RETROFIT.
2. AFTER RETROFIT, REMAINING EXISTING WALLS TO BE PATCHED AND REPAINTED. PATCH AND REPAIR FLOOR SURFACE AND BASE AFFECTED FROM THE RETROFIT.
3. TELECOM ROOM: GC RESPONSIBLE TO CARRY CONTRACT TO PROTECT THE CRITICAL EQUIPMENT.
4. GENERATOR ROOM: IF GENERATOR SHUTS DOWN CONTRACTOR IS TO PROVIDE TEMPORARY POWER.
5. SECURITY EQUIPMENT: SAWPA IS RESPONSIBLE FOR RELOCATION AND MODIFICATION OF ALL SECURITY EQUIPMENT.
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KEYNOTES:

- 01 EXISTING TILE FLOOR TO BE DEMOLISHED.
- 02 EXISTING ELEVATOR DOOR TO BE PROTECTED.
- 03 EXISTING DOOR TO BE DEMOLISHED.
- 04 PARTITION WALL TO BE DEMOLISHED. PATCH AND REPAIR EXISTING.
- 05 WALL MOUNTED CARD READER (GC TO COORDINATE WITH SAWPA IT/ SECURITY TEAM)
- 06 NEW GYPBOARD FINISH TO MATCH WITH EXISTING
- 07 PLAQUE SHALL REMAIN PROTECT IN PLACE
- 08 DOOR TO BE CENTERED AND ALIGNED ON EXISTING LOBBY EXTERIOR DOOR OPENING
- 09 PUSH BUTTON FOR DOOR (UNDER THE TABLE)
- 10 FREE STANDING FURNITURE ARE SHOWN CONCEPTUALLY (N.I.C)
- 11 NEW 5" X 5" STEEL STRUCTURAL COLUMN (REFER TO STRUCTURAL DRAWINGS 01/S1.0)
- 12 NEW 2" X 2" STEEL STRUCTURAL COLUMN (REFER TO STRUCTURAL DRAWINGS 01/S1.0)
- 13 EXISTING WALL MURAL TO BE PROTECTED.
- 14 EXISTING DOOR TO BE DEMOED.

GP

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DESIGN DEVELOPMENT	DATE: 21 OCT 2024
ADDENDUM #5	DATE: 21 OCT 2024
JOB NO.: 3903	CHECKED BY: Checker
	DRAWN BY: Author
	SCALE: As indicated

LOBBY ENLARGED PLAN
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY



NOTES

- A. MAXIMUM EFFORT TO OPERATE DOORS APPLIED AT RIGHT ANGLES TO HINGED DOORS OR AT CENTER PLANE, PER T-24 SECTION 1004.5.1 WILL BE:
 - a) ≤ 5 LB. AT EXTERIOR DOORS (PER CBC SECTION 1133B.2.5)
 - b) ≤ 5 LB. AT INTERIOR DOORS
 - c) ≤ 15 LB. WHERE FIRE DOORS ARE REQUIRED.
- B. ALL DOORS SHALL COMPLY WITH CBC TITLE 24, SECTION 1008
- C. ALL DOOR HARDWARE SHALL BE LEVER TYPE, PUSH-PULL ACTIVATING BARS OR PANIC HARDWARE (PER CBC 1133B.2.5.2)
- D. BOTTOM OF DOOR TO BE SMOOTH AND UNINTERRUPTED, TO ALLOW DOOR TO BE OPENED BY WHEELCHAIR FOOTREST, PER CBC SECTION 1133B.2.6
- E. PROVIDE SIGN AT MAIN EXIT DOORS INDICATING: "THIS DOOR MUST REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" PER CBC 1008.1.9.3. ALL OTHER DOORS SHALL BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- G. ALL HOLLOW METAL DOORS STILES AND TOP RAILS SHALL BE 5 MINIMUM. (U.N.O.)
- H. ALL ALUMINUM DOORS STILES AND TOP RAILS SHALL BE 5" U.N.O. ALL GLASS TYPES AND THICKNESS SHALL COMPLY WITH CBC TABLE 2403.2.1
- I. SEE SPECIFICATIONS AND DOOR SCHEDULE FOR DOOR HARDWARE.

- DOOR SIGNAGE LEGEND: (SEE 13/A-5-401)
- D1-TOILET ROOM SIGNAGE "MEN"
 - D2-TOILET ROOM SIGNAGE "WOMEN"
 - D3-TOILET ROOM SIGNAGE "UNISEX"
- WALL SIGNAGE LEGEND: (SEE 13/A-5-401, AND 02/A-6-106)
- W1-VERIFY ROOM NAME WITH OWNER
 - W2 TOILET ROOM SIGNAGE "MEN"
 - W3 TOILET ROOM SIGNAGE "WOMEN"
 - W4-TOILET ROOM SIGNAGE "UNISEX"
 - W5-ACCESSIBLE ENTRANCE SIGN

ALL EXTERIOR DOORS SHALL COMPLY WITH CBC SECTION 708A, AND SECTION 708A.3, ITEM 1 OR ITEM 41

DOOR ABBREVIATIONS :

- AL ALUMIN
- AN ANODIZ
- FF FACTORY FINISH
- HM HOLLOW
- MT METAL
- PL PLASTIC LAMINATE
- PT PAINT
- PR PAIR
- SC SOLID C
- TG TEMPERED GLAZING
- WD WOOD

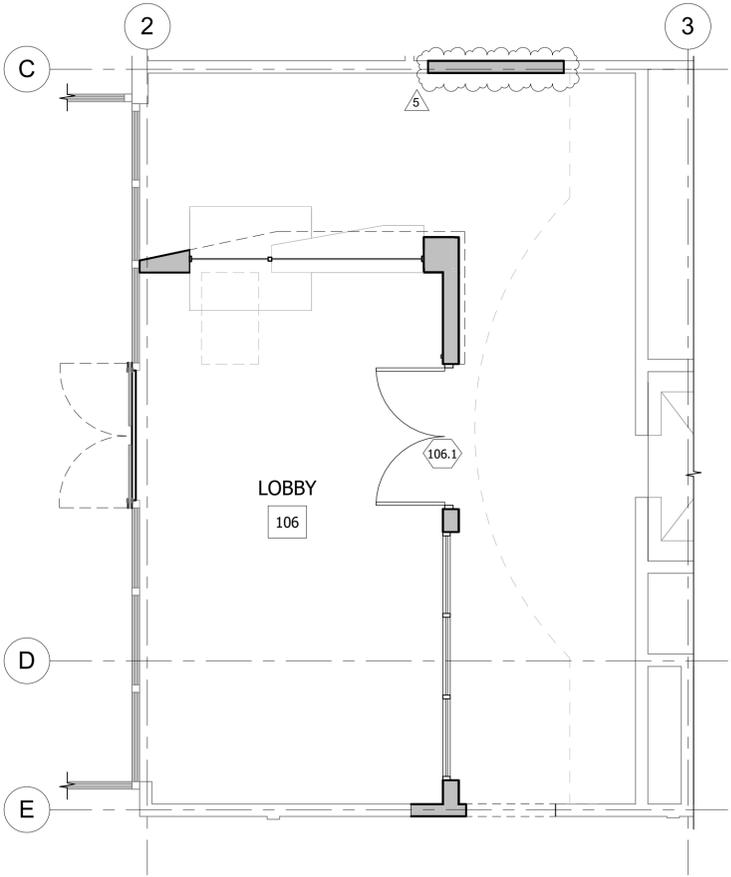
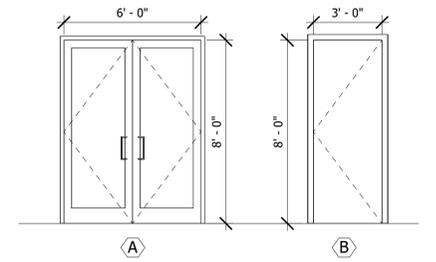
HARDWARE TYPES:

- ALL FUNCTIONS TO BE VERIFIED BY OWNER PRIOR TO DESIGN. ALL DOORS TO HAVE FREE EXIT LEVER OR PANIC DEVICE
- HT-A: ENTRY DOOR WITH PANIC DEVICE (ELECTRONIC/CARD READER)
 - HT-B: EXTERIOR DOOR, STORAGE LOCK (KEYED)
 - HT-C: OFFICE DOOR: LOCK (KEYED)
 - HT-D: TOILET (PRIVATE): PRIVACY LOCK WITH INDICATOR
 - HT-E: TOILET (PUBLIC): PUSH/PULL DEVICE
 - HT-F: STORAGE: LOCK (KEYED)
 - HT-G: EXTERIOR/EXIT: KEYED LOCK DOGGED DOWN PANIC DEVICE.
 - HT-H: INTERIOR PASSAGE WITH LATCH
 - HT-I: INTERIOR/EXIT: KEYED LOCK WITH DOGGED DOWN PANIC DEVICE.

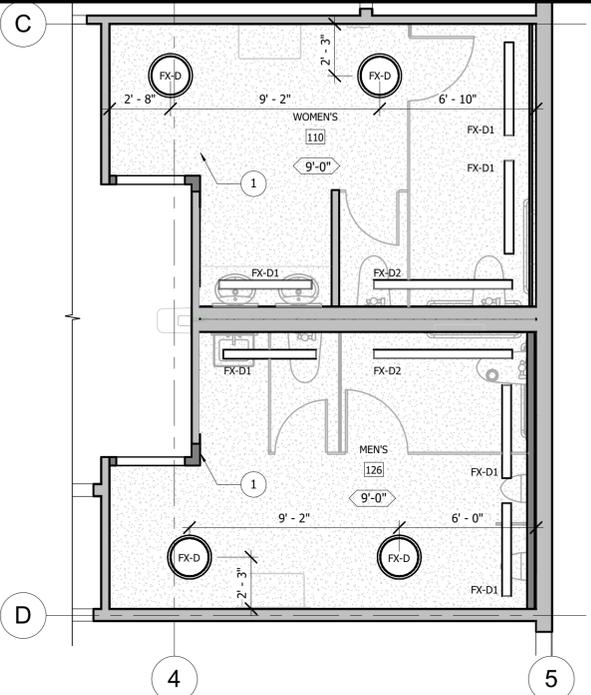
- EXIT DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT.(CBC 1008.1.8)
- THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION. (CBC 11B-404.2.4.4)
- MAXIMUM DOOR EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS. (CBC 11B-404.2.9)
- DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE BY CHAPTER 11A OR CHAPTER 11B SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. (CBC 1010.1.8.1)
- HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR. (CBC 11B-404.2.7 AND 11B-309.4)
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. (CBC 11B-404.2.10)

DOOR SCHEDULE1

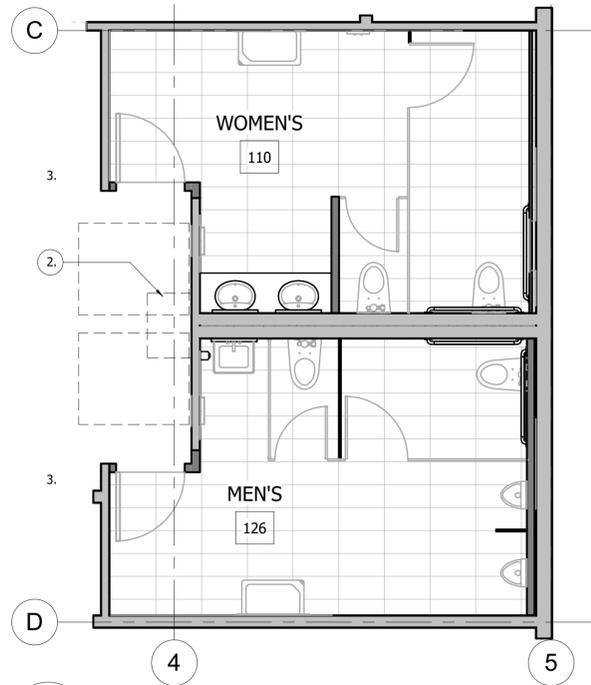
DOOR TAG	NEW/EXISTING	LOCATION	WIDTH	HEIGHT	TYPE	FIRE RATING	HARDWARE SET	THICKNESS	CORE	DOOR - FINISH	FRAME - FINISH	Frame Material	DOOR MATERIAL	DOOR SIGNS	ROOM SIGNS	HEAD	JAMB	THRES HOLD	PANIC HARDWARE	VISION GLAZING	CLOSER	ELECTRIFIED HARDWARE	THRESHOLD	LOUVER	CARD READER	REMARK
106.1	N		3' - 0"	8' - 0"																						
106.7			3' - 11"	7' - 0"																					X	
106.9	N		3' - 0"	8' - 0"																						
106.10	N		3' - 0"	8' - 0"																						
106.11			3' - 0"	7' - 0"																						
106.12			3' - 0"	7' - 0"																						



1
A-2.4
1/4" = 1'-0"



2
A-2.4
1/4" = 1'-0"



3
A-2.4
1/4" = 1'-0"

FINISHES SPECIFICATIONS:

WALL COVERINGS:

- WALL TILE (GENERAL): DAL TILE UNITY COLOR BODY, AVORIO P400 POLISHED, 12" X 24" SIZE W/ 1/8" MAX. CBP #10 ANTIQUE WHITE GROUT, SEALED AFTER INSTALLATION. INSTALL HORIZONTALLY.
- WALL TILE (@ SINKS): DAL TILE COLOR WAVE CLASSIC SOLIDS GLASS MOSAIC WALL TILE, OAK MOSS CW16, 1" X 1" SIZE W/ 1/8" MAX. CBP #370 DOVE GREY NON-SANDED GROUT WITH FAE GRT RELEASE, SEALED AFTER INSTALLATION.
- TILE TRIM (OUTSIDE CORNERS): SCHULTER SYSTEMS METAL TRIM PROFILE QUADEC-AE, SATIN ALUMINUM, PROVIDE MATCHING TRIM PIECES.
- TILE TRIM (INSIDE CORNERS): SCHULTER SYSTEMS METAL COVE PROFILE DILEX-AHK-AE, SATIN ALUMINUM, PROVIDE MATCHING TRIM PIECES.

FLOOR COVERINGS:

- FLOOR TILE (GENERAL): EMSER PORCELAIN FLOOR TILE, MOTION, COLOR: DRIFT, 12" X 24" SIZE W/ 1/8" MAX. ANTIQUE WHITE GROUT, SEALED AFTER INSTALLATION.

BASE:

- BASE @ RESTROOMS/SHOWERS: SCHULTER SYSTEMS METAL COVE PROFILE DILEX-AHK-AE, SATIN ALUMINUM, PROVIDE MATCHING TRIM PIECES.
- RESILIENT BASE: BURKE 4" RUBBER BASE 523 BLACK-BROWN. PROVIDE STRAIGHT AT CARPET, COVE AT RESILIENT. PROVIDE PRE-MOLDED CORNERS AT OUTSIDE CORNERS.

FINISH SCHEDULE

ROOM	FLOOR	BASE	WCT	WALL	CEILING	LEGEND											
NO.	NAME	CARPET TILE	FLOOR TILE	SHEET VINYL	VCT	MAT	SEALED CONCRETE	RESILIENT WALL BASE	METAL COVE	FRP	CERAMIC WALL TILE	GYP. BOARD	TILE	ACOUSTICAL TILE	GYP/UM BOARD	OPEN/PAINTED	GENERAL NOTE: 1. ALL WALL AND CEILING SURFACES TO BE PAINTED EXCEPT WHEN NOTED. (REFER TO SPECIFICATIONS FOR EXCEPTIONS) 2. INDICATES APPLICABLE FINISH, SEE REMARKS FOR ADDITIONAL COMMENTS
126.0	RESTROOMS_MEN																
110.0	RESTROOMS_WOMEN																

FINISH FLOOR PLAN LEGENDS

- TILE @ RESTROOMS (THIN SET TILE @ FIELD W/ MORTAR SET TILE FLOOR DRAINS)

KEY NOTES :

- NEW 5/8" GYP.BD.CLG (TYP.) AT TOILET ROOM
- PATCH AND REPAIR FLOOR TO MATCH WITH THE EXISTING FLOOR
- INSTALL AN DOOR PULL 34" TO 44" HIGH.

GENERAL NOTES:

- SEAL AND PROTECT EXISTING CEILING AND WALLS FROM DAMAGE AND DEBRIS DURING WORK.
- AFTER RETROFIT, REMAINING EXISTING WALLS TO BE PATCHED AND REPAINTED. PATCH AND REPAIR FLOOR SURFACE AND BASE AFFECTED FROM WORK.
- ALL CEILING TILE AND GRID TO BE REPLACED BY GC IF DAMAGED OR MARRAS AS A RESULT OF WORK.
- PROVIDE PROTECTION AND VENTILATION OF ELECTRICAL PANELS AND CLOSETS WITHIN FOOTPRINT OF WORK.
- GC TO PROTECT ELECTRICAL CLOSETS WHERE WORK EXISTS.
- GC TO PATCH/PAINT TO MATCH EXISTING WALL SURFACES IMPACTED BY WORK (EXPOSED BEAMS, COLUMNS, STRUCTURAL ELEMENTS ARE TO BE FINISHED TO MATCH EXISTING SURFACE).

LEGEND :

	DRYWALL CEILING.		NO CEILING INDICATION:
	NO ANTICIPATED ARCHITECTURAL REPAIR IN THIS AREA		
	HEIGHT OF EXISTING FINISH CEILING		
	OPEN TO STRUCTURE- NO EXISTING FINISH CEILING		
	EXISTING WALL TO BE DEMOLISHED		
	EXISTING WALL TO REMAIN		
	NEW WALL		
	4' LINEAR SURFACE MOUNTED LED FIXTURE		
	6' LINEAR SURFACE MOUNTED LED FIXTURE		
	24" LED RECESSED DOWNLIGHT		



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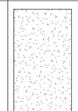
DESIGN DEVELOPMENT
ADDENDUM #5
DATE: 21 OCT 2024
DATE: 21 OCT 2024
JOB NO.: 3003
CHECKED BY: Checker
DRAWN BY: Author
SCALE: As indicated

RCP & FINISH FLOOR PLAN & DOOR SCHEDULE
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

GENERAL NOTES:

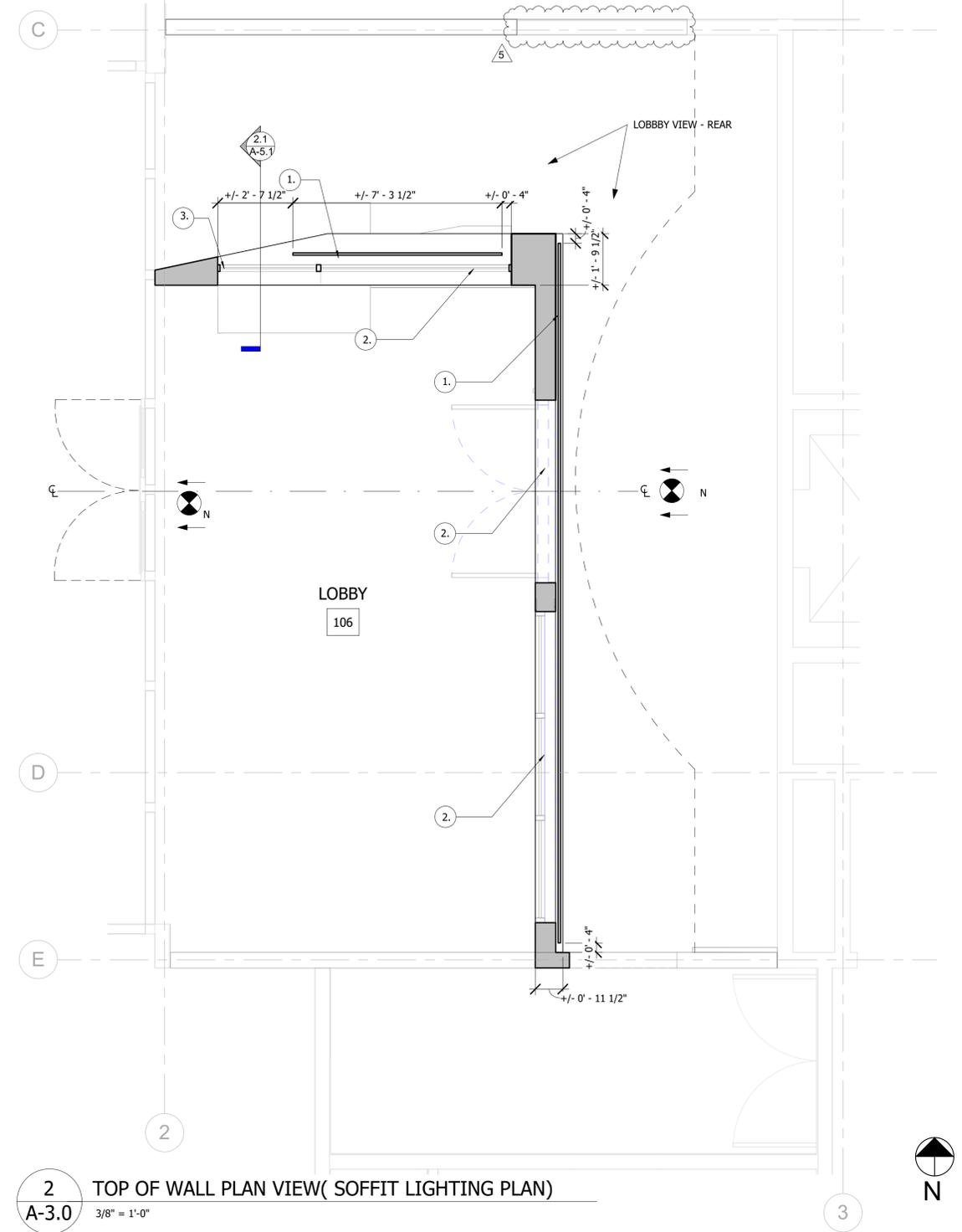
1. SEAL AND PROTECT EXISTING CEILING AND WALLS FROM DAMAGE AND DEBRIS DURING WORK.
2. AFTER RETROFIT, REMAINING EXISTING WALLS TO BE PATCHED AND REPAINTED. PATCH AND REPAIR FLOOR SURFACE AND BASE AFFECTED FROM WORK.
3. ALL CEILING TILE AND GRID TO BE REPLACED BY GC IF DAMAGED OR MARRED AS A RESULT OF WORK.
4. PROVIDE PROTECTION AND VENTILATION OF ELECTRICAL PANELS AND CLOSETS WITHIN FOOTPRINT OF WORK.
5. GC TO PROTECT ELECTRICAL CLOSETS WHERE WORK EXISTS.
6. GC TO PATCH/PAINT TO MATCH EXISTING WALL SURFACES IMPACTED BY WORK (EXPOSED BEAMS, COLUMNS, STRUCTURAL ELEMENTS ARE TO BE FINISHED TO MATCH EXISTING SURFACE).

LEGEND :

	DRYWALL CEILING.		NO CEILING INDICATION:		HEIGHT OF EXISTING FINISH CEILING		1. SURFACE LED ACCENT STRIP AT SOFFIT
			NO ANTICIPATED ARCHITECTURAL REPAIR IN THIS AREA		OPEN TO STRUCTURE- NO EXISTING FINISH CEILING		2. DOOR/WINDOW SHOWN BELOW
					EXISTING WALL TO BE DEMOLISHED		3. SEALED HARDWOOD CAP TO MATCH
					EXISTING WALL TO REMAIN		
					NEW WALL		
					LINEAR SURFACE MOUNTED LED FIXTURE		
					24" LED RECESSED DOWNLIGHT		



1 LOBBY VIEW- REAR
A-3.0 1/2" = 1'-0"



2 TOP OF WALL PLAN VIEW(SOFFIT LIGHTING PLAN)
A-3.0 3/8" = 1'-0"

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LOBBY SOFFIT DETAIL
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WALL COVERINGS:

- 1. KOROSEAL - WALLCOVERINGS INTERLOOM PRUSSIAN - NM21-19
- 2. CLEAR ADONIZED STOREFRONT SYSTEM
- 3. DAL TILE - ENGINEERED STONE OQ34 - ROCKY MOUNTAIN
- 4. WILSONART - PLASTIC LAMINATE WALNUT HEIGHTS - 7965
- 5. SHERWIN WILLIAMS - PAINT EIDER WHITE SW 7014
- 6. SHERWIN WILLIAMS - ACCENT PAINT LAZY GRAY SW 6254

- 7. HARDWOOD CAP TO MATCH PROPOSED PLASTIC LAMINATE FINISH

FLOOR COVERINGS:

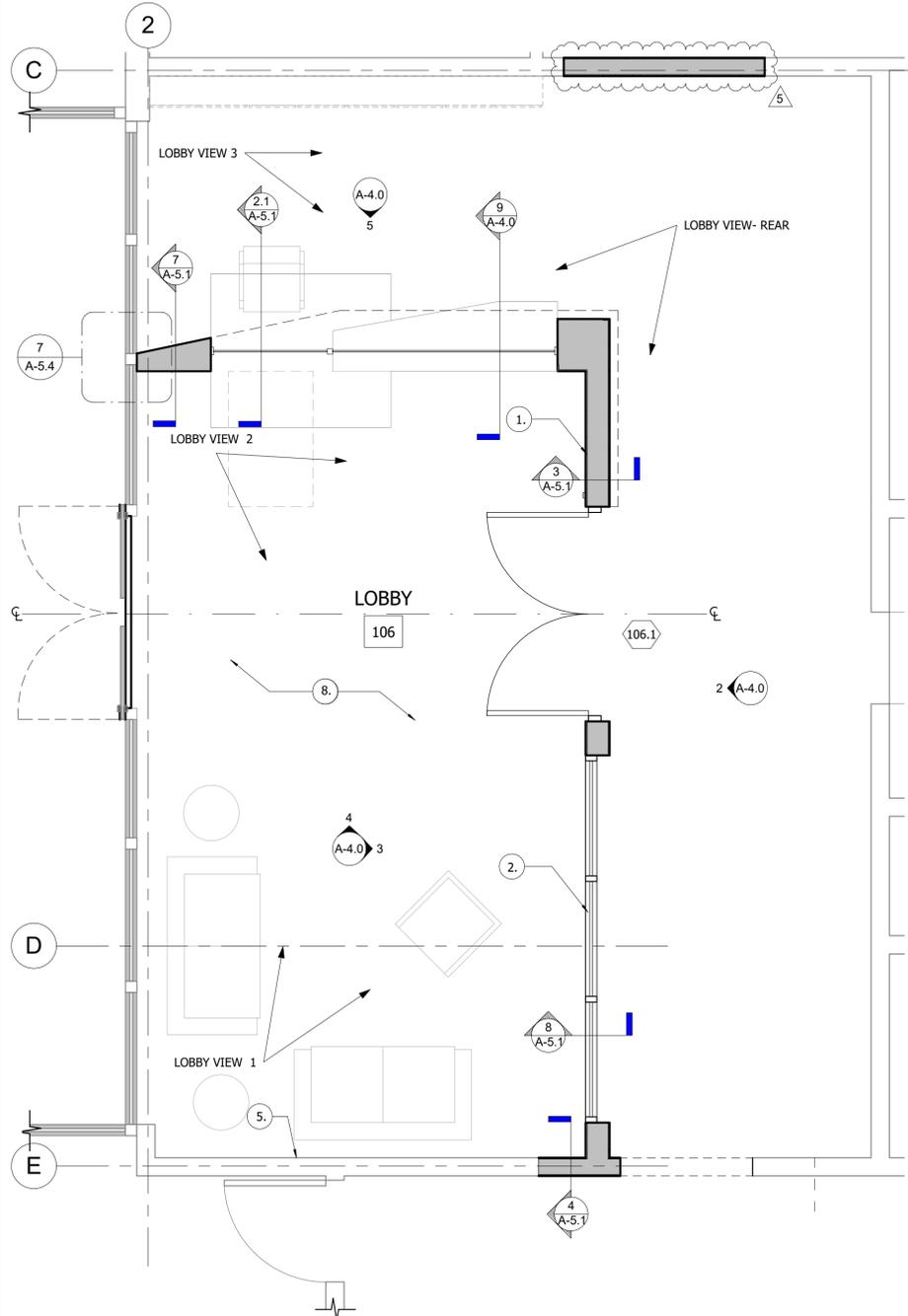
- 8. DAL TILE - TILE FLOORING REVOTILE STONE LOOK GRAPHITE RV61

BASE:

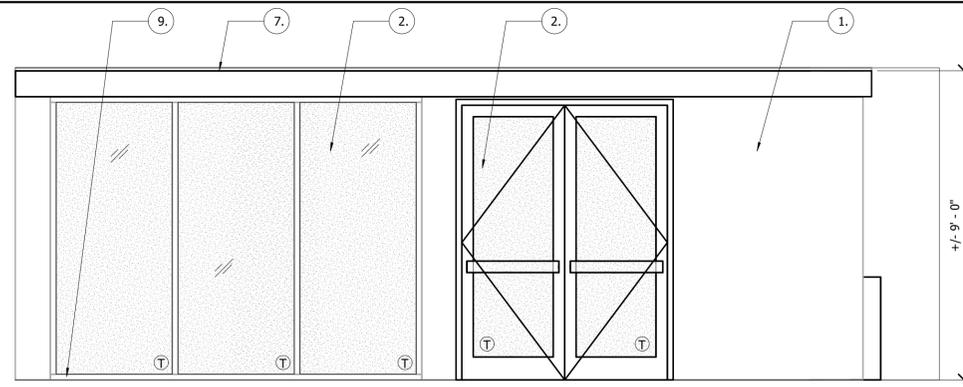
- 9. ROPPE - RUBBER BASE 193 BLACK BROWN

KEY NOTES :

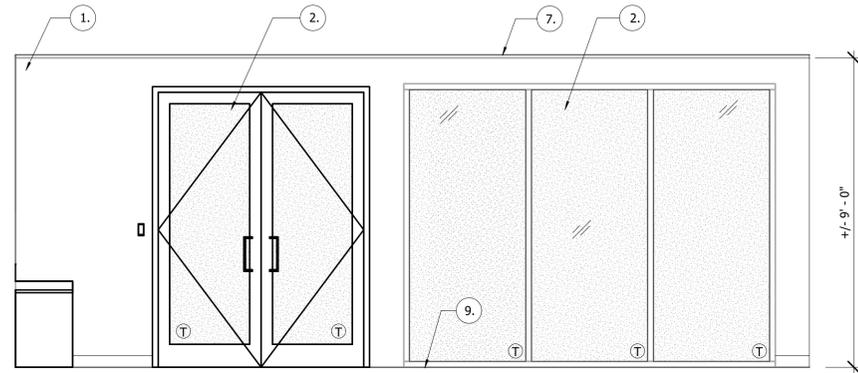
- T TEMPERED GLAZING



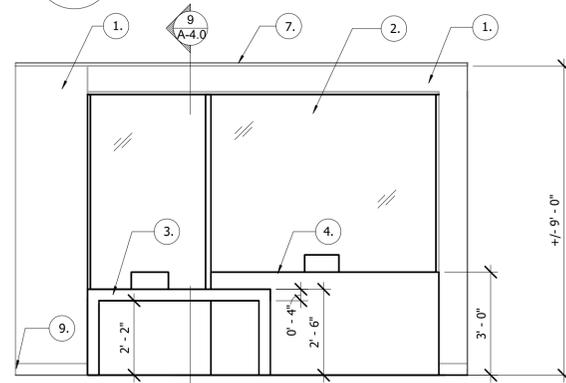
1 PROPOSED LOBBY FINISH PLAN
A-4.0 3/8" = 1'-0"



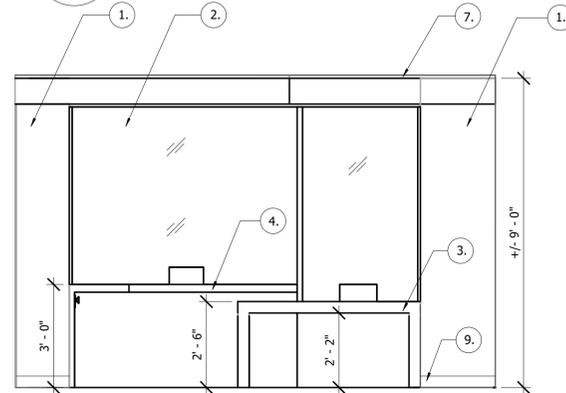
2 ELEVATION 1 - NEW LOBBY WALL
A-4.0 3/8" = 1'-0"



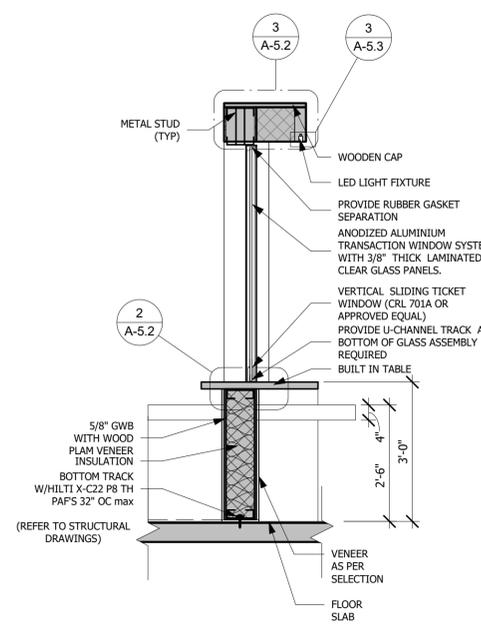
3 ELEVATION 2 - NEW LOBBY WALL
A-4.0 3/8" = 1'-0"



4 ELEVATION 3 - NEW LOBBY WALL
A-4.0 3/8" = 1'-0"



5 ELEVATION 4 - NEW LOBBY WALL
A-4.0 3/8" = 1'-0"



9 DETAIL SECTION-
A-4.0 1/2" = 1'-0"



6 LOBBY VIEW-3
A-4.0



7 LOBBY VIEW-2
A-4.0



8 LOBBY VIEW -1
A-4.0



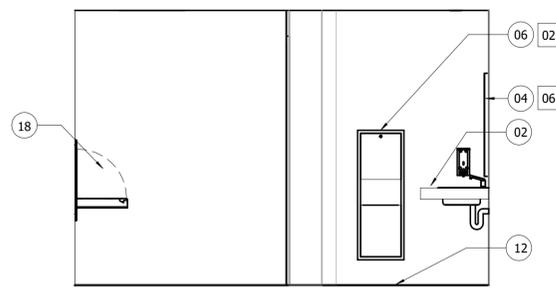
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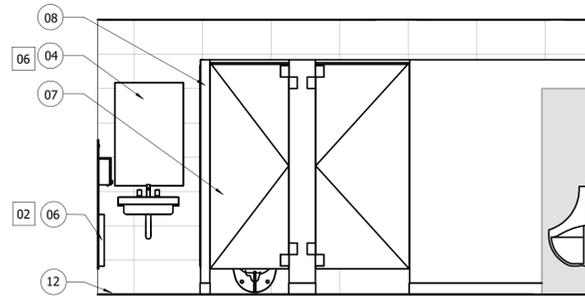
DESIGN DEVELOPMENT	DATE: 21 OCT 2024
ADDENDUM #5	DATE: 21 OCT 2024
JOB NO.: 3903	CHECKED BY: Checker
SCALE: As indicated	DRAWN BY: Author

INTERIOR ELEVATION
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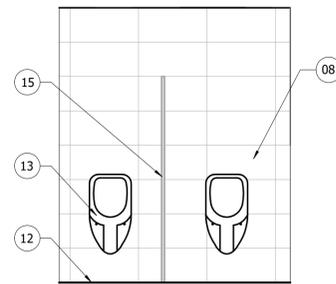
A-4.0



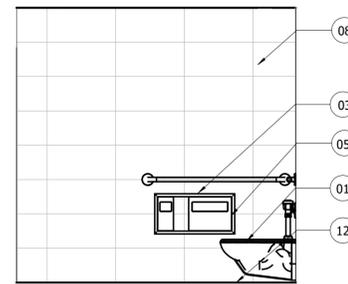
1 PROPOSED RESTROOM : MEN
A-4.1 3/8" = 1'-0"



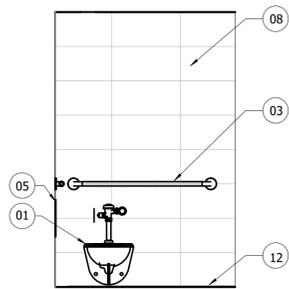
2 PROPOSED RESTROOM : MEN
A-4.1 3/8" = 1'-0"



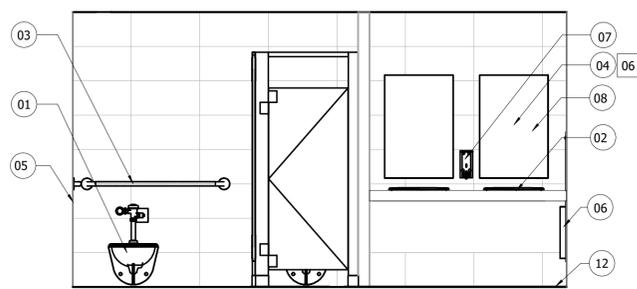
3 PROPOSED RESTROOM : MEN
A-4.1 3/8" = 1'-0"



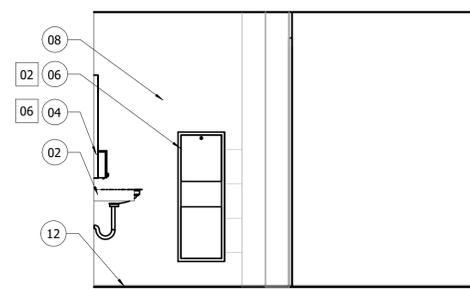
4 PROPOSED RESTROOM : MEN
A-4.1 3/8" = 1'-0"



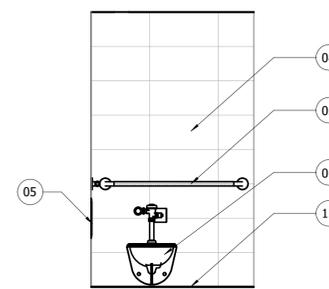
5 PROPOSED RESTROOM : MEN
A-4.1 3/8" = 1'-0"



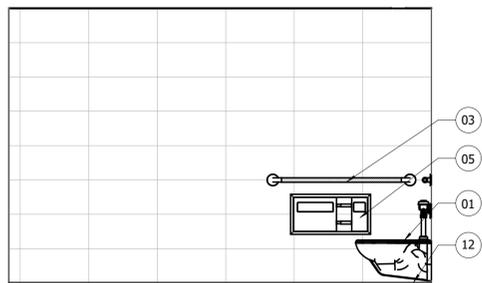
6 PROPOSED RESTROOM : WOMEN
A-4.1 3/8" = 1'-0"



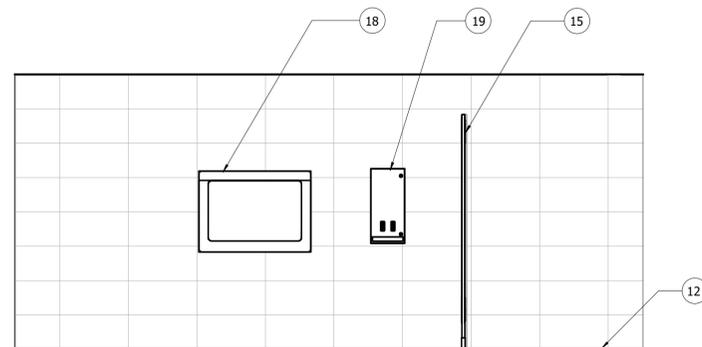
7 PROPOSED RESTROOM : WOMEN
A-4.1 3/8" = 1'-0"



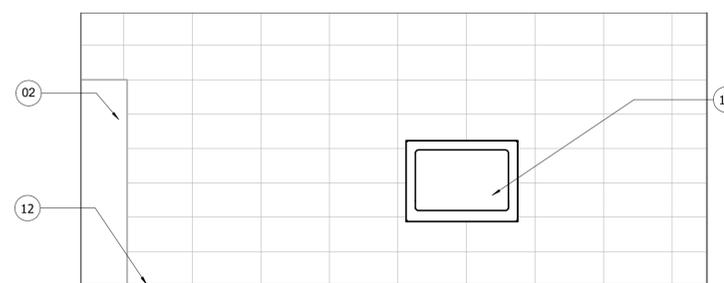
8 PROPOSED RESTROOM : WOMEN
A-4.1 3/8" = 1'-0"



9 PROPOSED RESTROOM : WOMEN
A-4.1 3/8" = 1'-0"



10 PROPOSED RESTROOM : WOMEN
A-4.1 3/8" = 1'-0"



11 PROPOSED RESTROOM : MEN
A-4.1 3/8" = 1'-0"

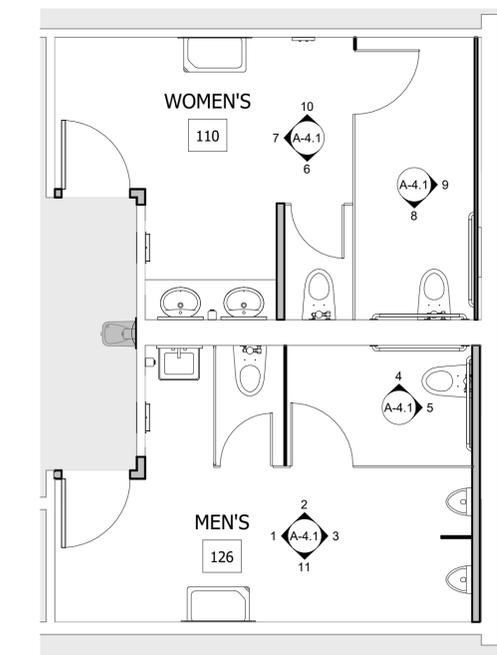
KEYNOTES:

LEGEND

- 01 NEW FLOOR MOUNT WATER CLOSET, SEE PLUMBING
- 02 NEW SINK, SEE PLUMBING
- 03 NEW GRAB BAR
- 04 NEW MIRROR
- 05 NEW TOILET PAPER/SEAT COVER DISPENSER
- 06 NEW PAPER TOWEL DISPENSER/WASTE RECEPTACLE
- 07 NEW SOAP DISPENSER
- 08 NEW TILE WAINSCOT (SOME WALLS FULL HEIGHT REFER TO ELEVATION)
- 09 NEW FLOOR DRAIN, SEE PLUMBING
- 10 NEW FLOOR FINISH
- 11 TOILET PARTITIONS, REFER TO MOODBOARD SET
- 12 METAL COVERED BASE.
- 13 NEW URINAL, SEE PLUMBING.
- 14 NEW BOTTLE FILLER, REFER TO MOODBOARD SET
- 15 URINAL SCREEN
- 16 NEW GYPBOARD FINISH TO MATCH WITH EXISTING.
- 17 UNDER COUNTER PANEL (ADA)
- 18 DIAPER CHANGING TABLE
- 19 SANITARY NAPKIN DISPENSOR VENDOR

TOILET AND WASHROOM ACCESSORIES:

- 01 RECESSED TOILET SEAT COVER & TOILET TISSUE DISPENSER - BOBRICK COPY
- 02 PARTITION MOUNTED TOILET SEAT COVER & TOILET TISSUE DISPENSER - BOBRICK B-347
- 03 SURFACE MOUNTED TOILET SEAT COVER & TOILET TISSUE DISPENSER - BOBRICK B-3479
- 04 RECESSED TOILET SEAT COVER, SANITARY NAPKIN DISPOSAL & TOILET TISSUE DISPENSER - BOBRICK B-3091/B-3092
- 05 PARTITION MOUNTED TOILET SEAT COVER, SANITARY NAPKIN DISPOSAL & TOILET TISSUE DISPENSER - BOBRICK B-357
- 06 MIRROR - BOBRICK B-290
- 07 PAPER TOWEL/WASTE RECEPTACLE - BOBRICK B-3944 W/ B-29744 PAPER TOWEL DISPENSER (ELECTONIC)
- 08 GRAB BAR - BOBRICK B-6806
- 09 SOAP DISPENSER -



12 KEYPLAN
A-4.1 1/4" = 1'-0"



architecture
planning
interior

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DATE: 21 OCT 2024

DATE: 21 OCT 2024

DESIGN DEVELOPMENT
ADDENDUM #5

JOB NO.: 3003

CHECKED BY: Checker

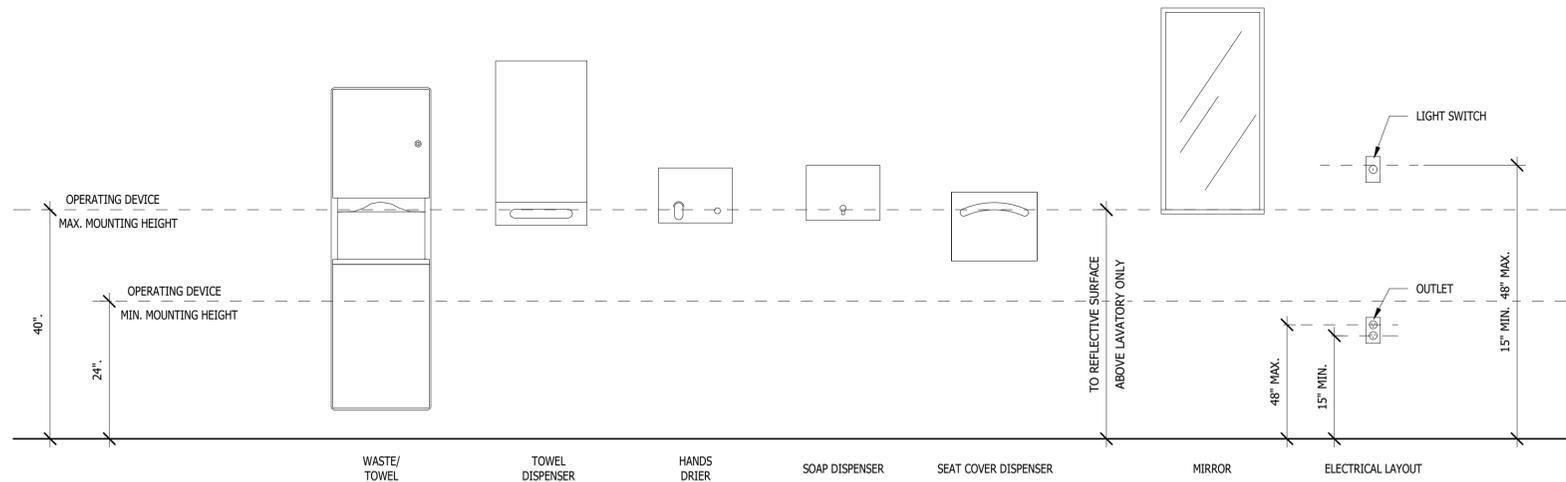
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SCALE: As indicated

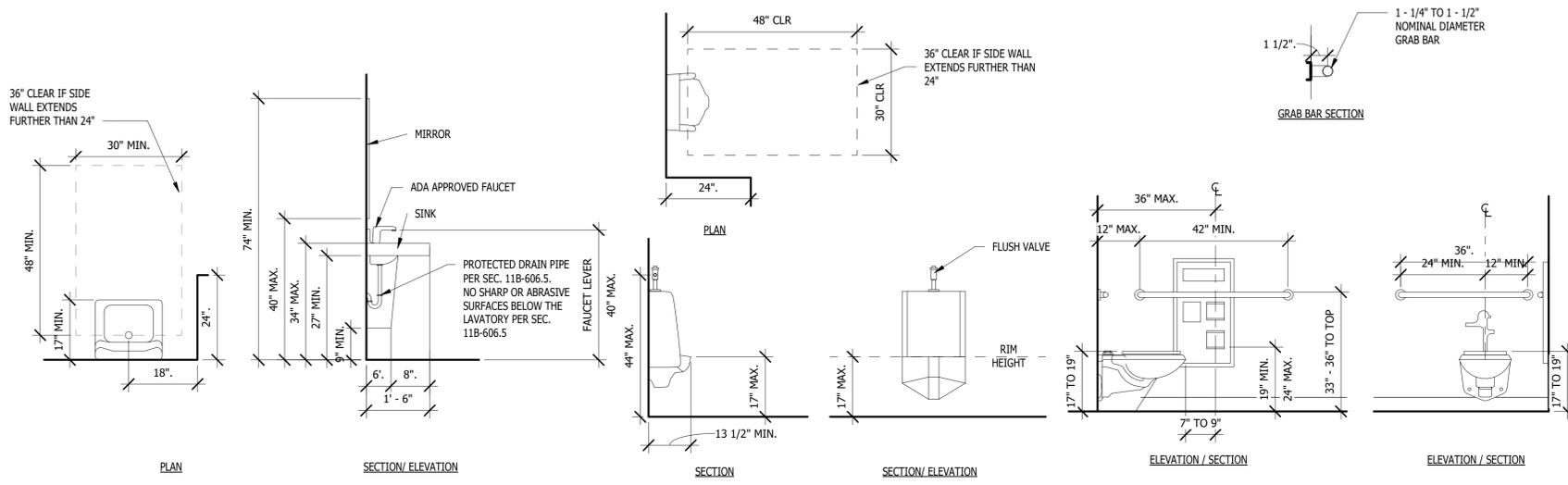
INTERIOR ELEVATIONS

SAWPA
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A-4.1



1 CALDAG TOILET ACCESSORIES DIMENSIONS & CLEARANCES
A-5.0 3/4" = 1'-0"



2 ACCESSIBLE SINK/LAVATORY SIM.
A-5.0 1/2" = 1'-0"

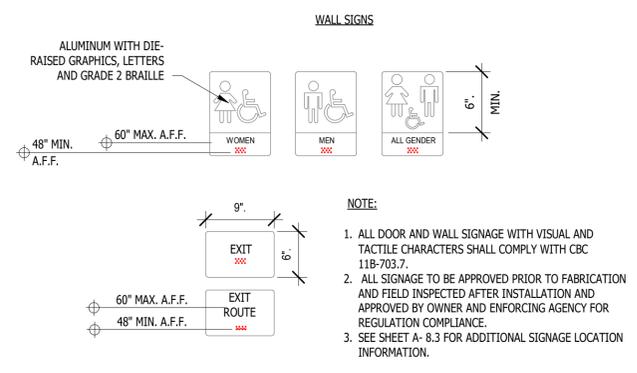
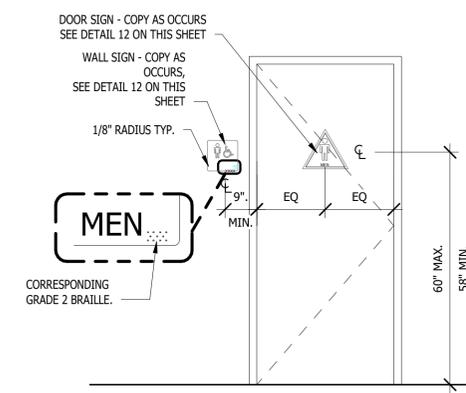
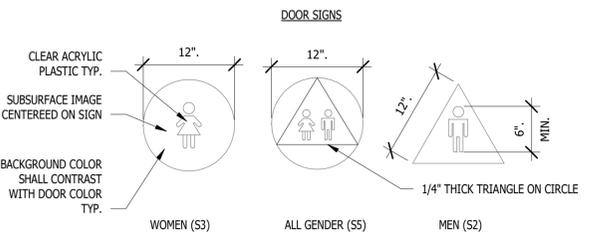
3 URINAL
A-5.0 1/2" = 1'-0"

4 WATER CLOSET
A-5.0 1/2" = 1'-0"

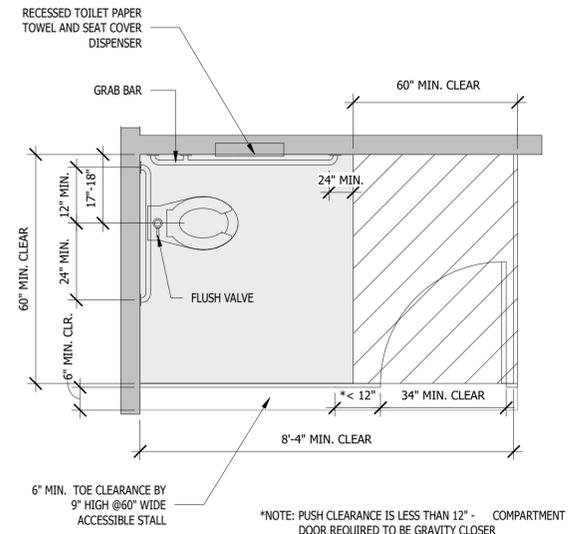
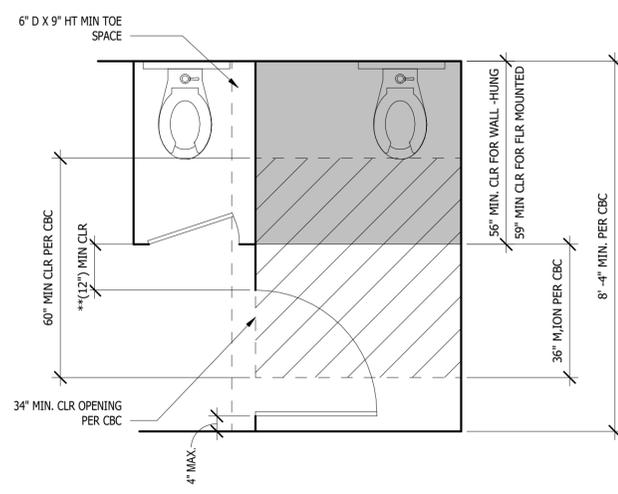
5 TOILET ROOM SIGNAGE
A-5.0 1/2" = 1'-0"

6 SIGNAGE DETAILS
A-5.0 1" = 1'-0"

- NOTE:**
- ATTACH SIGNS WITH SILICON ADHESIVE AND NON-CORROSIVE, VANDAL RESISTANT FLAT HEAD SCREWS.
 - WHEN MOUNTING SIGN TO NON-OPAQUE MATERIAL, APPLY VINYL ADHESIVE BACKER, COLOR AND SIZE TO MATCH SIGNAGE.
 - TACTILE CHARACTER ON SIGNS TO BE LOCATED 48 IN. MIN. ABOVE THE FINISH FLOOR TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 IN. MAX. ABOVE THE FINISH FLOOR TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER.



- NOTE:**
- ALL DOOR AND WALL SIGNAGE WITH VISUAL AND TACTILE CHARACTERS SHALL COMPLY WITH CBC 11B-703.7.
 - ALL SIGNAGE TO BE APPROVED PRIOR TO FABRICATION AND FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY OWNER AND ENFORCING AGENCY FOR REGULATION COMPLIANCE.
 - SEE SHEET A-8.3 FOR ADDITIONAL SIGNAGE LOCATION INFORMATION.



7 SIDE DOOR CONFIGURATIONS
A-5.0 1/2" = 1'-0"

8 MULTIPLE ACCESSIBLE STALL CONDITION
A-5.0 1/2" = 1'-0"



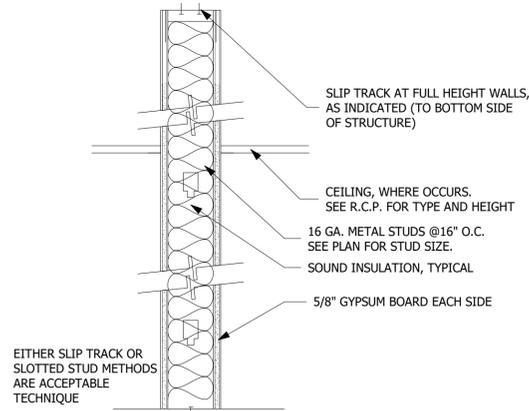
architecture
 planning
 interior
GPA
Gillis + Panichapan Architects, Inc.
 2900 BRISTOL STREET COSTA MESA CALIFORNIA 92626
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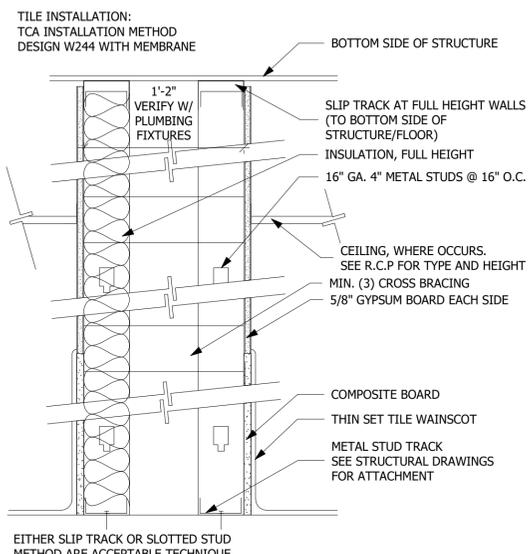
DESIGN DEVELOPMENT	DATE: 21 OCT 2024
ADDENDUM #5	DATE: 21 OCT 2024
JOB NO.: 3903	CHECKED BY: Checker
SCALE: As indicated	DRAWN BY: Author

DETAILS-I
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 SANTA ANA WATERSHED PROJECT AUTHORITY

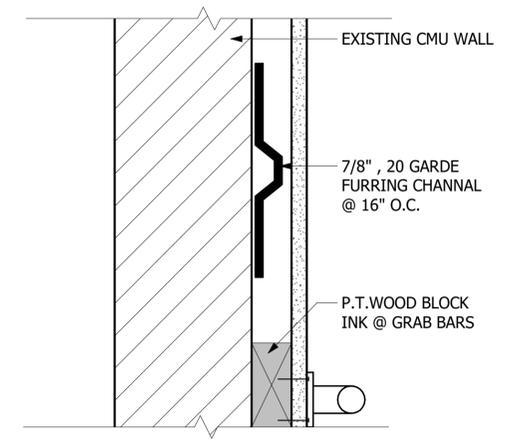
A-5.0



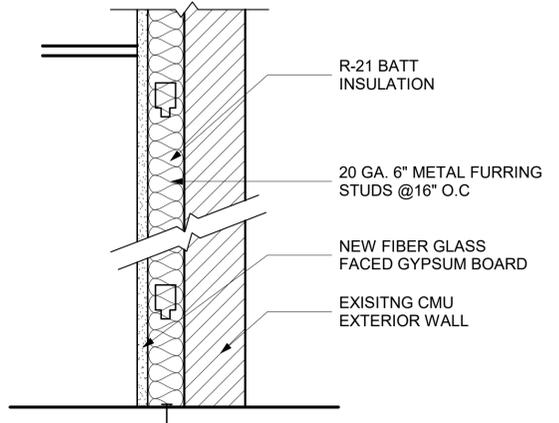
1 TYP. INT. PARTITION 4" OR 6" OR 8"
A-5.1 1 1/2" = 1'-0"



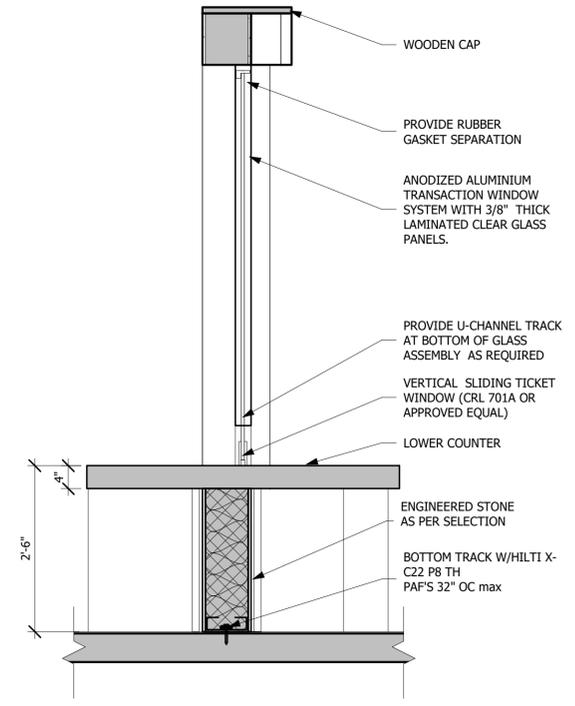
5 PLUMBING WALL AT PARTITION
A-5.1 1 1/2" = 1'-0"



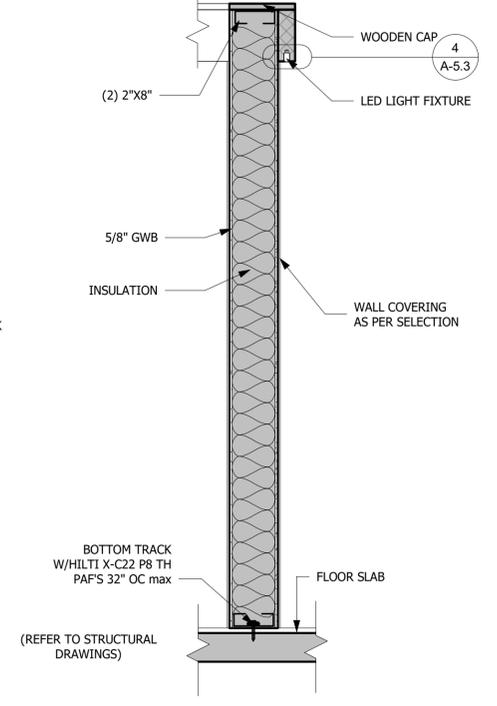
6 FURRED WALL DETAIL 1
A-5.1 1" = 1'-0"



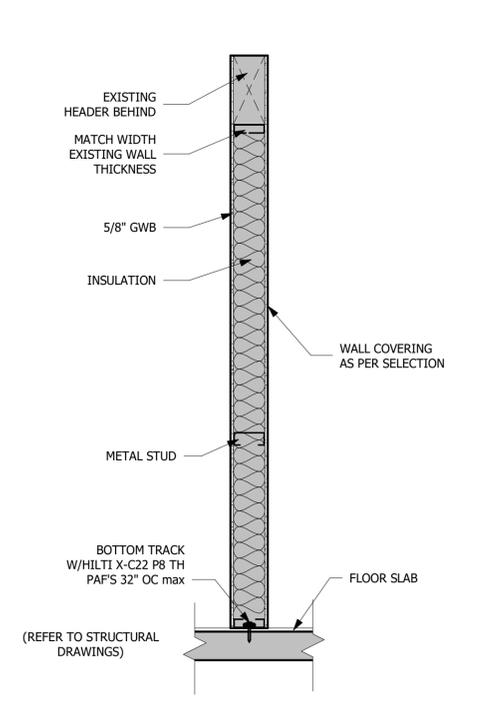
6 A FURRED WALL DETAIL 2
A-5.1 1" = 1'-0"



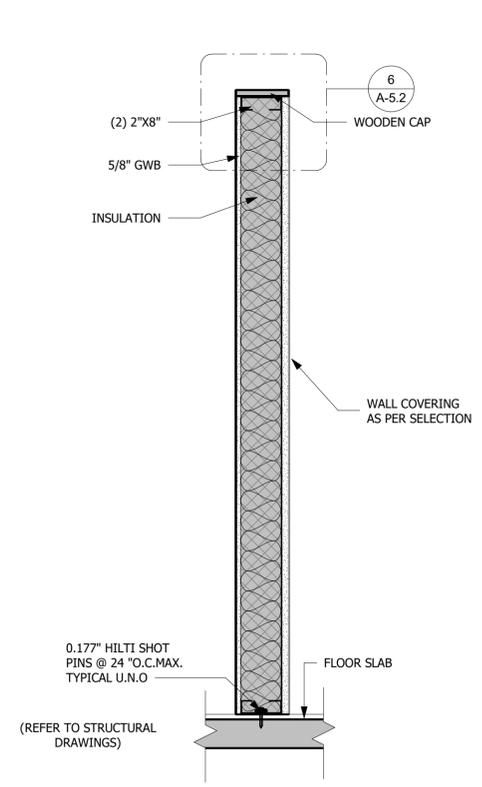
2.1 DETAIL LOWER COUNTER SECTION
A-5.1 3/4" = 1'-0"



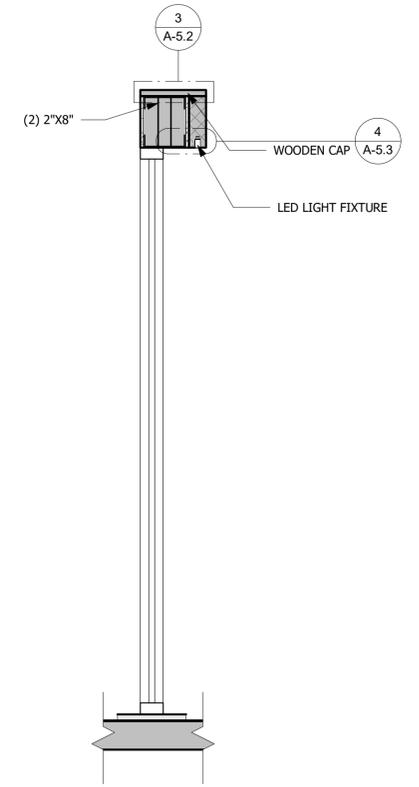
3 DETAIL SECTION,
A-5.1 3/4" = 1'-0"



4 DETAIL SECTION INFILL WALL
A-5.1 3/4" = 1'-0"



7 DETAIL SECTION
A-5.1 3/4" = 1'-0"



8 DETAIL SECTION.
A-5.1 3/4" = 1'-0"



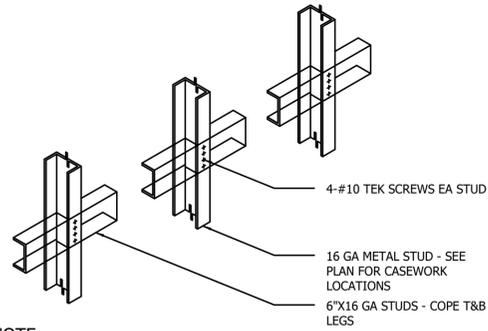
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DESIGN DEVELOPMENT	ADDENDUM #5
JOB NO.: 3903	CHECKED BY: Checker
SCALE: As Indicated	DRAWN BY: Author

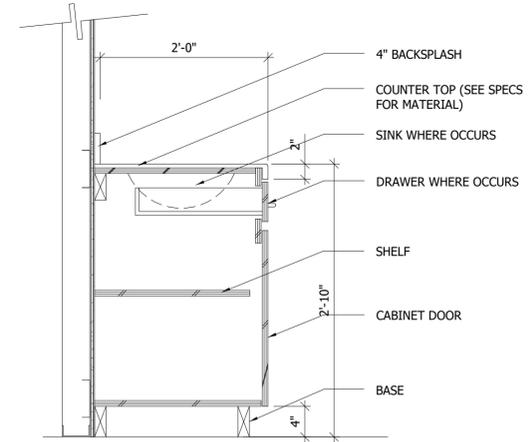
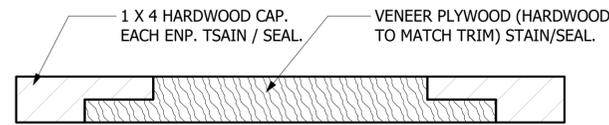
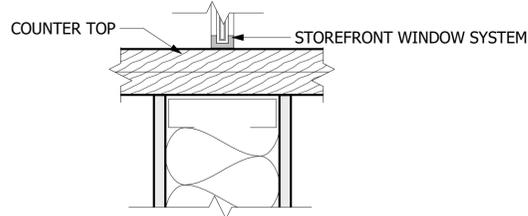
DETAILS-II
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A-5.1



NOTE:

1. BACKING PLATE MUST EXTEND ACROSS A MINIMUM OF FOUR STUDS

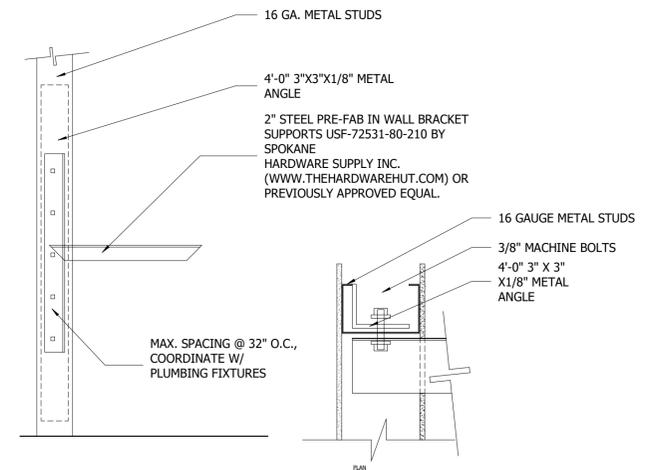
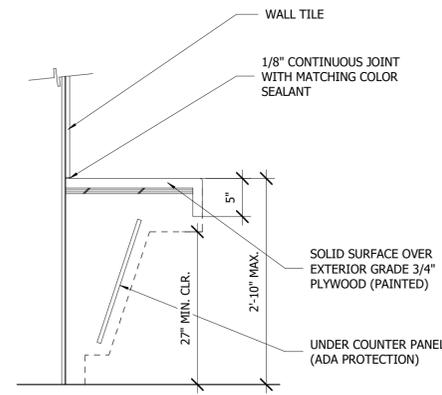
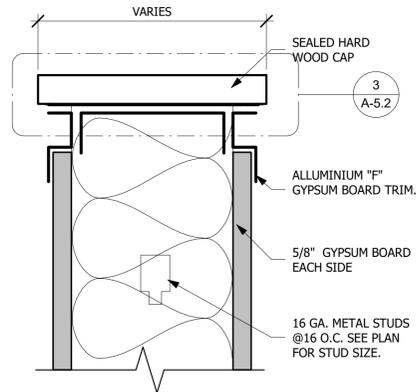
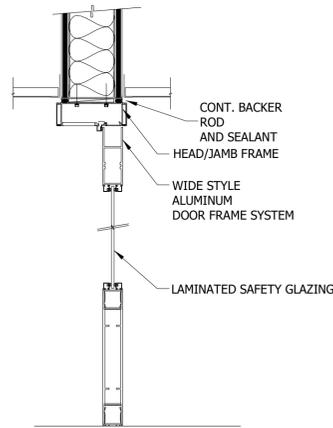


1 TYPICAL CASEWORK & GRAB BARS BACKING/SUPPORT_ **A-5.2**
1" = 1'-0"

2 TABLE TOP DETAIL **A-5.2**
1 1/2" = 1'-0"

3 WOOD CAP **A-5.2**
1 1/2" = 1'-0"

4 CASEWORK DETAIL_ **A-5.2**
1" = 1'-0"



5 DOOR (VISION PANEL) **A-5.2**
1 1/2" = 1'-0"

6 DETAIL SECTION 1 **A-5.2**
3" = 1'-0"

7 SOLID SURFACE COUNTERTOP **A-5.2**
1" = 1'-0"

8 IN WALL BRACKET **A-5.2**
1" = 1'-0"



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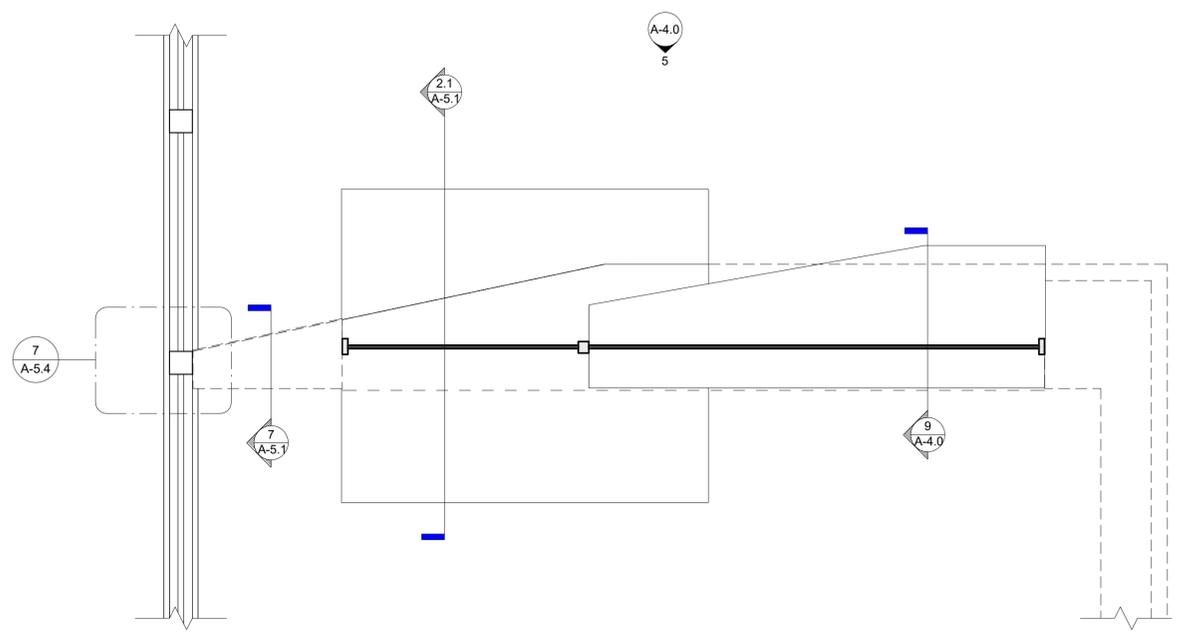
DESIGN DEVELOPMENT	DATE: 21 OCT 2024
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JOB NO.: 3903	CHECKED BY: Checker
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DETAIL - IV

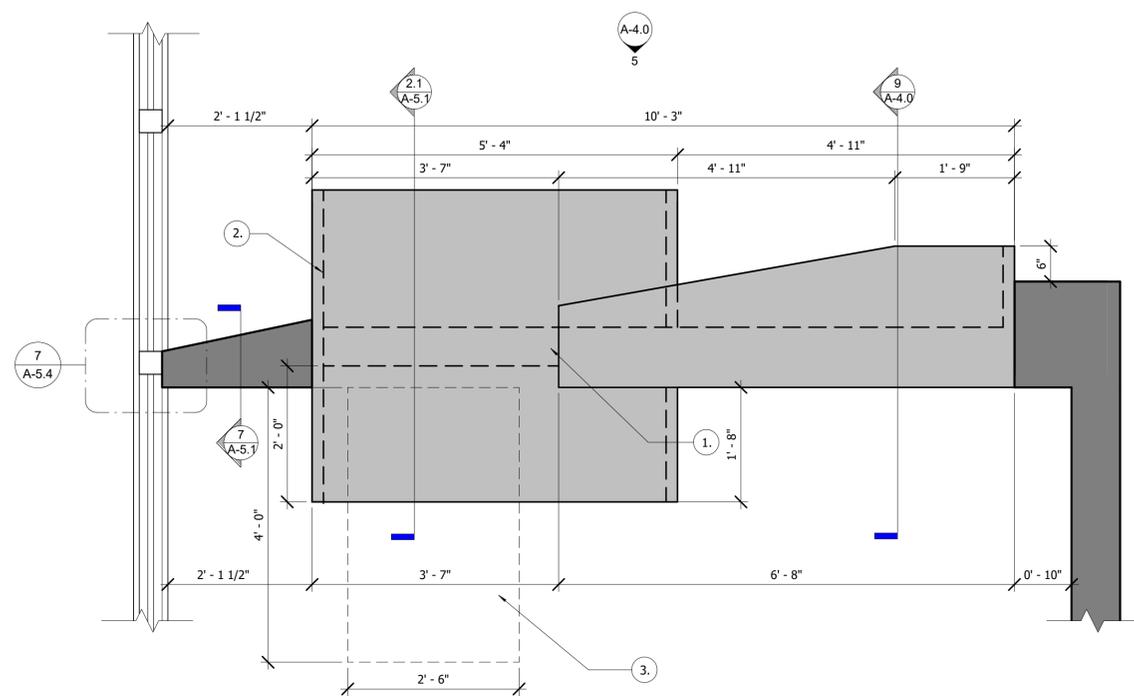
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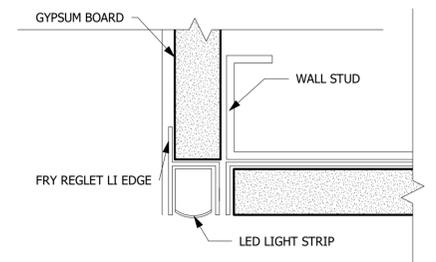
- KEY NOTES :
1. TUBE STEEL COLUMN (SEE STRUCTURAL DRAWINGS)
 2. DASHED LINE INDICATES TABLE SUPPORT BELOW
 3. INDICATE AREA OF ACCESSIBLE COUNTER



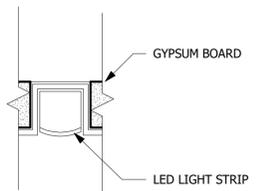
1 RECEPTION DESK - SOFFIT PROFILE
A-5.3 3/4" = 1'-0"



2 RECEPTION DESK - DESK SURFACE
A-5.3 3/4" = 1'-0"



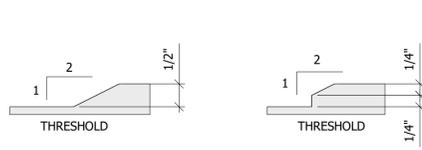
3 LED LIGHT STRIP DETAIL A
A-5.3 1/2" = 1'-0"



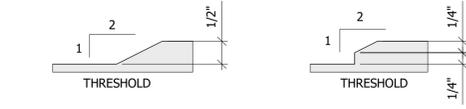
4 LED LIGHT STRIP DETAIL B
A-5.3 1/2" = 1'-0"



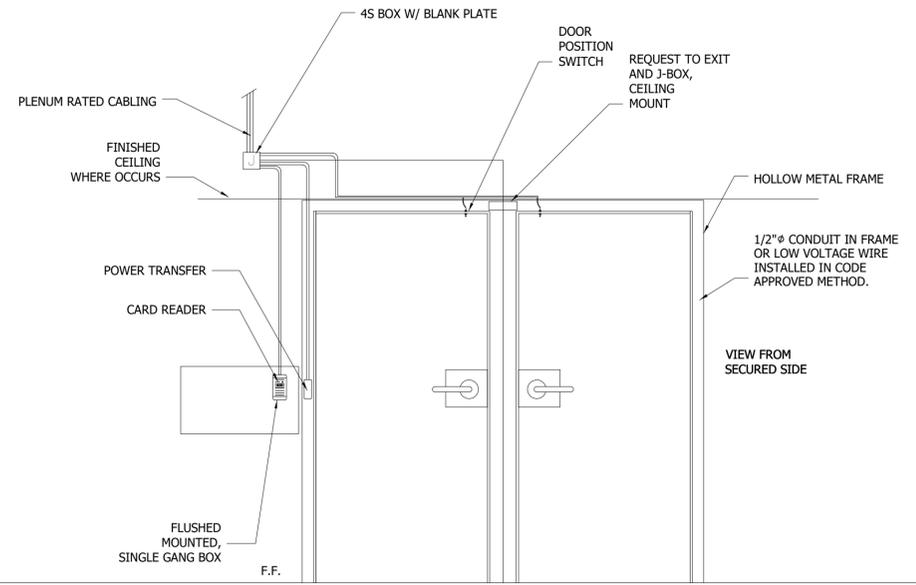
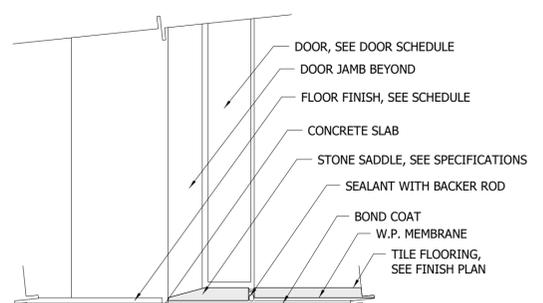
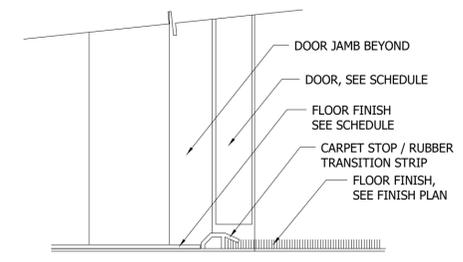
5 DESK
A-5.3 1" = 40'-0"



1 TRANSITION @ INTERIOR DOOR
A-5.4 3" = 1'-0"



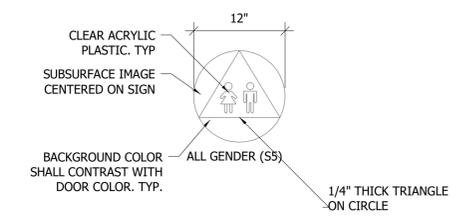
2 THRESHOLD @ INTERIOR DOOR
A-5.4 3" = 1'-0"



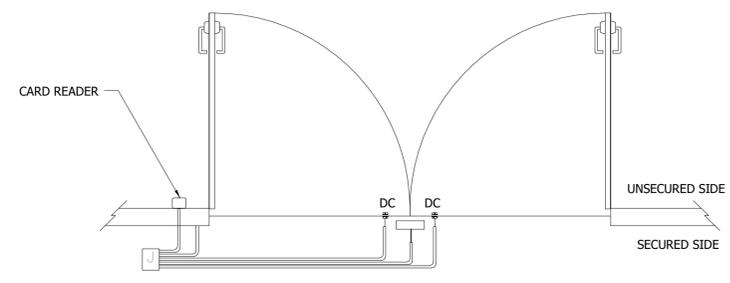
6 CONDUIT @ DOORS W/ CARD READER/SECURITY CONTACTS
A-5.4 1/2" = 1'-0"

- NOTE:
- ATTACH SIGNS WITH SILICON ADHESIVE AND NON-CORROSIVE, VANDAL RESISTANT FLAT HEAD SCREWS
 - WHEN MOUNTING SIGN TO NON-OPAQUE MATERIAL, APPLY VINYL ADHESIVE BACKER; COLOR AND SIZE TO MATCH SIGNAGE.
 - TACTILE CHARACTERS ON SIGNS TO BE LOCATED 48 IN. MIN. ABOVE THE FINISH FLOOR TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 IN. MAX. ABOVE THE FINISH FLOOR TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER

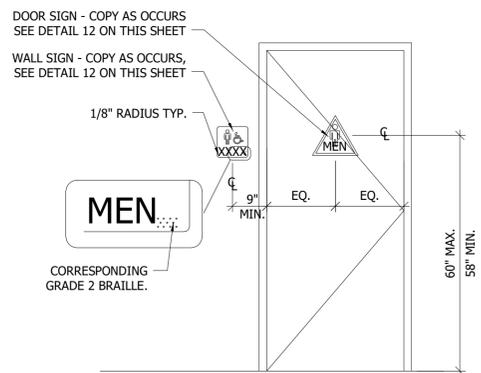
DOOR SIGNS



- NOTE:
- ALL DOOR AND WALL SIGNAGE WITH VISUAL AND TACTILE CHARACTERS SHALL COMPLY WITH CBC 11B-703.1 THRU 11B-703.7.
 - ALL SIGNAGE TO BE APPROVED PRIOR TO FABRICATION AND FIELD INSPECTED AFTER INSTALLATION AN APPROVED BY OWNER AND ENFORCING AGENCY FOR REGULATION COMPLIANCE.
 - SEE SHEET A-2.1b FOR ADDITIONAL SIGNAGE LOCATION INFORMATION.

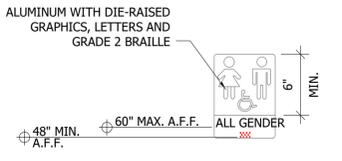


GENERAL NOTE:
CONDUIT RUNS ARE DIAGRAMMATIC. CONTRACTOR TO COORDINATE WITH LOW VOLTAGE ACCESS CONTROL DESIGN/BUILD INSTALLING SUB-CONTRACTOR



3 TOILET ROOM SIGNAGE (FOR REFERENCE)
A-5.4 1/2" = 1'-0"

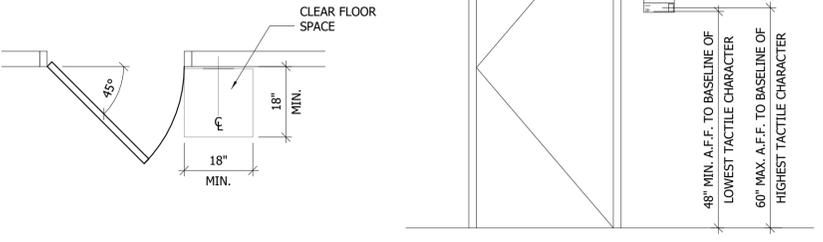
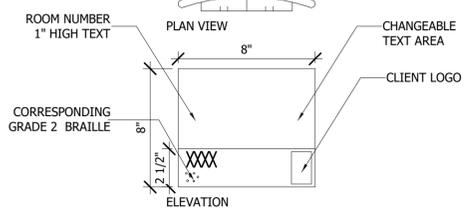
WALL SIGNS



4 SIGNAGE DETAILS(REFERENCE)
A-5.4 1" = 1'-0"

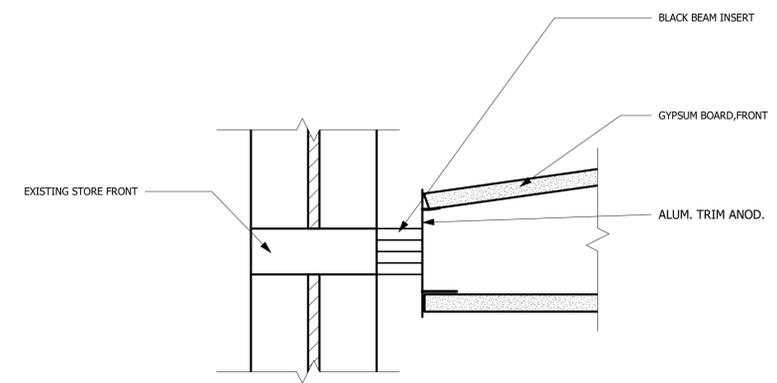
ROOM SIGNAGE. SEE DETAIL 10. INSTALL PERMANENT IDENTIFICATION SIGNAGE ON THE LATCH SIDE OF THE DOOR AS SHOWN. LOCATION PER CBC 11B-703.4.2.

- NOTE:
- ALL WALL SIGNAGE WITH VISUAL AND TACTILE CHARACTERS SHALL COMPLY WITH CBC 11B-703.1 THRU 11B-703.7.
 - ALL SIGNAGE TO BE APPROVED PRIOR TO FABRICATION AND FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY OWNER AND ENFORCING AGENCY FOR REGULATION COMPLIANCE.



5 ROOM SIGNAGE (FOR REFERENCE)
A-5.4 1/2" = 1'-0"

7 STOREFRONT DETAIL
A-5.4 1 1/2" = 1'-0"



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DESIGN DEVELOPMENT	DATE: 21 OCT 2024
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JOB NO.: 3003	CHECKED BY: Checker
SCALE: As indicated	DRAWN BY: Author

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SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

A-5.4

GENERAL NOTES

- ALL DRAWINGS ARE CONSIDERED TO BE PART OF THE CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING STRUCTURAL, PLUMBING, AIR CONDITIONING AND ELECTRICAL. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND AT NO EXPENSE TO THE OWNER.
- THESE DRAWINGS ARE DIAGRAMMATIC. THE LOCATION & ELEVATION OF ALL DUCTWORK AND PIPING IS APPROXIMATE AND SHALL BE VERIFIED AND COORDINATED WITH ALL OTHER TRADES, STRUCTURAL CONDITIONS AND BUILDING CONSTRUCTION PRIOR TO START OF INSTALLATION.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS. ALL DIMENSIONS AND JOB SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO BID SUBMITTAL, START OF CONSTRUCTION AND/OR FABRICATION OF MATERIALS. VERIFY ALL EXISTING DUCTWORK, PIPING, ELEVATIONS, SIZES AND POINT OF CONNECTIONS PRIOR TO START OF WORK. IF DISCREPANCIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. ALL MATERIALS AND WORK SHALL COMPLY WITH APPLICABLE CODES AND GOVERNING REGULATION AND MEET THE APPROVAL OF THE CITY AND STATE FIRE MARSHALL.
- CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.
- VERIFY FINAL LOCATION OF THERMOSTATS WITH ARCHITECT AND/OR TENANT CONSTRUCTION COORDINATOR PRIOR TO ANY INSTALLATION WORK. MOUNT THERMOSTATS 4'-0" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE RECORD/AS BUILT DOCUMENTS TO TENANT CONSTRUCTION COORDINATOR OR ARCHITECT AT COMPLETION OF CONSTRUCTION.
- ALL DUCTWORK SHALL CONFORM TO CHAPTER 6 OF 2022 CMC. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA).
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- WRAP CONCEALED DUCTS WITH FIBERGLASS DUCT INSULATION WRAP (ALL SUPPLY DUCT TO HAVE VAPOR BARRIER). ALL NEW SUPPLY AND RETURN DUCT INSULATION WITHIN THE BUILDING TO HAVE MINIMUM 8.0 R-VALUE.
- INSTALL DOUBLE WALL DUCTS FOR ALL EXPOSED OUTDOOR SUPPLY AND RETURN DUCTS WITH AT LEAST 8.0 R-VALUE INSULATION.
- INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
- ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA MECHANICAL CODE (C.M.C.), 2022 CALIFORNIA BUILDING CODE (C.B.C.) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
- AIR LEAKAGE TESTING SHALL BE PERFORMED BY SMACNA HVAC DUCT LEAKAGE TEST MANUAL.
- LINE VOLTAGE WIRING, ALL CONDUIT, DISCONNECT SWITCHES AND FINAL CONNECTION BY ELECTRICAL CONTRACTOR. LOW VOLTAGE CONDUIT AND WIRING AND FINAL CONNECTION BY MECHANICAL CONTRACTOR.
- THE TOTAL SYSTEM AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AGENCY CERTIFIED BY THE ABC OR NEBB. THIS WORK SHALL CONFORM TO ABC OR NEBB SPECIFICATIONS AS REFERRED TO IN THE NATIONAL STANDARDS.
- ALL PIPING AND DUCT WORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTION 120 OF CALIFORNIA ENERGY CODE 2022.
- PROVIDE GUIDE VANES FOR ALL RECTANGULAR DUCT ELBOWS.
- AUTOMATIC SHUTOFFS:
PER SEC. 609 OF 2022 CMC WHEN REQUIRED, EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2,000 CUBIC FEET PER MINUTE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR MOVING EQUIPMENT DEVICES WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT AND WHICH COMPLY WITH THE UL 268A SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURES, TEMPERATURES AND HUMIDITY OF THE SYSTEM WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING, SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS.
- FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION BEFORE ORDERING, FABRICATING OR INSTALLATION OF ANY MATERIALS.
- HVAC SYSTEM AND COMPONENTS WILL BE TESTED, ADJUSTED AND BALANCED IN ACCORDANCE WITH ABC'S NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE 7TH EDITION.
- MECHANICAL MATERIAL STANDARD SHALL BE LISTED AND LABELING TO COMPLY WITH TABLE 1701.1. CMC 306.1 AND CMC 307.1.
- ALL DIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS AND PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF THE CMC SECTION 601.0, 602.0, 603.0, 604.0, AND 605.0 ANSI/SMACNA-006-2006 HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, 3RD EDITION.
- CONNECTIONS OF METAL DUCTS AND THE INNER CORE OF FLEXIBLE DUCTS SHALL BE MECHANICALLY FASTENED. OPENINGS SHALL BE SEALED WITH MASTIC TAPE, AEROSOL SEALANT OR OTHER DUCT CLOSURE SYSTEM THAT MEETS THE APPLICABLE REQUIREMENTS OF UL 181, UL 181A OR UL 181B. IF MASTIC OR TAPE IS USED TO SEAL OPENINGS GREATER THAN 1/4", THE COMBINATION OF MASTIC AND EITHER MESH OR TAPE SHALL BE USED.
- PORTIONS OF SUPPLY AIR AND RETURN AIR DUCTS CONVEYING HEATED AND COOLED AIR LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8:
30.1. OUTDOORS OR;
30.2. IN A SPACE BETWEEN THE ROOF AND IN INSULATED CEILING OR;
30.3. IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES OR;
30.4. IN AN UNCONDITIONED CRAWLSPACE OR;
30.5. IN OTHER UNCONDITIONED SPACES
- ALL FACTORY FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181 FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS, CONNECTIONS, AND SPLICES, AND BE LABELED AS COMPLYING WITH UL 181.
- FACTOR-MADE RIGID FIBERGLASS AND FLEXIBLE DUCTS FOR FIELD-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181.
- HEATING AND COOLING PIPING MATERIAL : COPPER
- REFRIGERANT PIPING MATERIAL : COPPER.
- CONDENSATE PIPING MATERIAL : COPPER.

MANDATORY NOTES (CEC 2022)

- ALL RECIRCULATED AIR OR OUTDOOR AIR SUPPLIED TO OCCUPIABLE SPACES IS FILTERED (MINIMUM MERV 13 BEFORE PASSING THROUGH ANY AIR CONDITIONING COMPONENT; THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SEC. 120.1(C), OR THREE COMPLETE AIR CHANGES SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE ONE-HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING IS NORMALLY OCCUPIED 120.1(D)(2).
- ALL MECHANICAL VENTILATION AND SPACE-CONDITIONING SYSTEMS SHALL BE DESIGNED WITH DUCTWORK, DAMPERS, AND CONTROLS WHICH ALLOWS OUTSIDE AIR RATES TO BE OPERATED AT THE LARGER OF (1) THE MINIMUM LEVELS SPECIFIED IN SECTION 120.1(C)3 OR (2) THE RATE REQUIRED FOR MAKE-UP OF EXHAUST SYSTEMS THAT ARE REQUIRED FOR AN EXEMPT OR COVERED PROCESS, FOR CONTROL OF ODORS, OR FOR THE REMOVAL OF CONTAMINANTS WITHIN THE SPACE, MEASURED OUTSIDE AIR RATES OF CONSTANT AND VARIABLE VOLUME MECHANICAL VENTILATION SYSTEMS SHALL BE WITHIN 10% OF OUTSIDE AIR RATE SHOWN ON TABLE 120.1-A. 120.1 (F) (1)/ 120.1 (F) (2)
- THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY TO CONTROL COMFORT HEATING DOWN TO 55 F OR LOWER AND COOLING UP TO 85F OR HIGHER. THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A DEAD BAND RANGE OF AT LEAST 5 F WITHIN WHICH HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCE TO A MINIMUM. 120.2 (A) (B)
- OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN. 120.2 (F).
- AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 CMC CODE AND ANSI/SMACNA-006-2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE. SUPPLY-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8 (R-8 IN UNCONDITIONED SPACE), UNLESS DUCTS ARE IN CONDITIONED SPACE. 120.4 (A)
- FLEXIBLE DUCTWORK INSTALLATION SHALL COMPLY WITH SECTION 603.4 OF CMC 2022.
- SHUTOFF AND RESET CONTROLS FOR SPACE CONDITIONING SYSTEM SHALL COMPLY WITH SECTION 120.2(E) OF CALIFORNIA ENERGY CODE 2022.
- DUCT SYSTEMS USED WITH BLOWER TYPE EQUIPMENT WHICH ARE PORTIONS OF A HEATING, COOLING, ABSORPTION, EVAPORATIVE COOLING OR OUTDOOR AIR VENTILATION SYSTEM SHALL BE SIZED IN ACCORDANCE WITH CHAPTER 17 OF THE CALIFORNIA MECHANICAL CODE.
- ALL APPLIANCES DESIGNED TO BE IN A FIXED POSITION SHALL BE SECURELY FASTENED IN PLACE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUPPORTS FOR APPLIANCES SHALL BE DESIGNED AND CONSTRUCTED TO RESIST HORIZONTAL AND VERTICAL LOADS WITHIN THE STRESS LIMITATIONS OF THE CBC. CMC 303.4.
- ALL MATERIALS EXPOSED WITHIN DUCTS AND PLENUMS INCLUDING ANY ABOVE CEILING RETURN AIR PLENUM SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED TWENTY-FIVE (25) AND A SMOKE DEVELOPED INDEX NOT TO EXCEED THEN FIFTY (50) WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E 84 OR UL 723 AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2022 CMC SECTION 602.2.
- INSTALLATION OF DUCTS SHALL BE IN ACCORDANCE WITH SECTION 603.0 OF THE 2022 CMC.
 - ALL DUCTWORK FOR HEATING AND COOLING SYSTEM OR EVAPORATIVE COOLING SYSTEM SHALL BE CONDUCTED THROUGH DUCT SYSTEMS CONSTRUCTED OF METAL AS SET FORTH IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARD - METAL AND FLEXIBLE. FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL COMPLY WITH THE 2022 CMC REFERENCED STANDARDS CHAPTER 17.
 - JOINTS AND SEAMS FOR DUCT SYSTEMS SHALL COMPLY WITH SMACNA HVAC DUCT CONSTRUCTION STANDARD - METAL AND
 - FLEXIBLE. JOINTS OF DUCTS SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF TAPES, MASTICS, GASKETING, OR OTHER
 - CRIMP JOINTS FOR ROUND DUCTS SHALL HAVE A CONTACT LAP OF NOT LESS THAN 1-1/2" AND SHALL BE MECHANICALLY FASTENED BY
 - MEANS OF NOT LESS THAN 3 SHEET-METALS SCREWS EQUALLY SPACED AROUND THE JOINT, OR AN EQUIVALENT FASTENING METHOD.
 - DUCTS SHALL BE SUPPORTED AT EACH CHANGE OF DIRECTION AND IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARD -
 - METAL AND FLEXIBLE
- DUCTS AND PLENUMS SHALL COMPLY WITH SECTION 120.4 OF THE 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.
 - PORTIONS OF SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8
 - OUTDOORS; OR
 - IN A SPACE BETWEEN THE ROOF AND AN INSULATED CEILING; OR
 - IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES; OR
 - IN AN UNCONDITIONED CRAWLSPACE; OR
 - IN OTHER UNCONDITIONED SPACES.
 - PORTIONS OF SUPPLY-AIR DUCTS THAT ARE NOT IN ONE OF THESE SPACES, INCLUDING DUCTS BURIED IN CONCRETE SLAB, SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-4.2 (OR ANY HIGHER LEVEL REQUIRED BY CMC SECTION 605.1) OR BE ENCLOSED IN DIRECTLY CONDITIONED SPACE.
 - ALL FACTORY-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181 FOR DUCTS AND CLOSURE SYSTEMS, INCLUDING COLLARS, CONNECTIONS, AND SPLICES, AND BE LABELED AS COMPLYING WITH UL 181.
 - FACTOR-MADE RIGID FIBERGLASS AND FLEXIBLE DUCTS FOR FIELD-FABRICATED DUCT SYSTEMS SHALL COMPLY WITH UL 181.

COMMISSIONING AND AIR BALANCING REQUIREMENTS

- CONTRACTOR IS RESPONSIBLE FOR COMPLETE COMMISSIONING OF THE HVAC SYSTEM AND PROVIDE FINAL AIR BALANCING REPORT IN COMPLIANCE WITH THE DESIGN INTENT.
- CONTRACTOR SHALL ENGAGE ABC, TABB OR NEBB CERTIFIED AIR BALANCER TO BALANCE THE HVAC SYSTEM IN ENTIRETY AND PROVIDE A CERTIFIED FINAL AIR BALANCE FOR MECHANICAL ENGINEER OF RECORD'S REVIEW AND COMMENT.
- CONTRACTOR SHALL PROVIDE ALL WARRANTY PAPERS TO THE CLIENT AT THE COMPLETION OF THE JOB.
- CONTRACTOR SHALL PROVIDE MINIMUM 1 HR OF TRAINING ON SYSTEM MAINTENANCE AND CONTROLS TO THE CLIENT BEFORE HANDING OVER THE SYSTEM.
- CONTRACTOR SHALL PROVIDE FINAL AS-BUILT DRAWINGS OF THE SYSTEM WITH ANY CHANGES MADE IN THE FIELD DURING INSTALLATION.

SHOP DRAWINGS REQUIREMENTS

- CONTRACTOR SHALL PROVIDE COMPLETE SHOP DRAWINGS FOR ALL HVAC BEFORE INSTALLATION.
- ALL DUCTING AND PIPING LOCATIONS AND LAYOUTS SHALL BE FIELD VERIFIED TO CONFIRM THEIR INSTALLATION BEFORE CONSTRUCTION STARTS.
- THIS DRAWINGS ARE SCHEMATIC ONLY AND SHALL NOT BE USED FOR THE PURPOSE OF THE SHOP DRAWINGS OR RECORD DRAWINGS.
- IT IS CONTRACTOR'S RESPONSIBILITY TO GENERATE CLEAN AND CLEAR SHOP DRAWINGS AS WELL AS RECORD DRAWINGS AFTER THE INSTALLATION IS COMPLETE.
- ANY DESIGN CHANGE SHALL BE COORDINATED WITH THE ENGINEER OF RECORD AND SHALL BE APPROVED BY THE OWNER BEFORE CONSTRUCTION.

MANDATORY NONRESIDENTIAL CALGREEN REQUIREMENTS

- SECTION 5.410 – BUILDING MAINTENANCE AND OPERATION**
- 5.410.4 TESTING AND ADJUSTING. TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR BUILDINGS LESS THAN 10,000 SQUARE FEET. APPLIES TO NEW SYSTEMS SERVING ADDITIONS OR ALTERATIONS.
- 5.410.4.2 SYSTEMS. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE, AS APPLICABLE TO THE PROJECT, THE SYSTEMS LISTED IN SECTION 5.410.4.2.
- 5.410.4.3 PROCEDURES. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH APPLICABLE STANDARDS ON EACH SYSTEM AS DETERMINED BY THE ENFORCING AGENCY.
- 5.410.4.3.1 HVAC BALANCING. BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE IN ACCORDANCE WITH THE PROCEDURES DEFINED BY NATIONAL STANDARDS LISTED IN SECTION 5.410.4.3.1 OR AS APPROVED BY THE ENFORCING AGENCY.
- 5.410.4.4 REPORTING. AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
- 5.410.4.5 OPERATION AND MAINTENANCE (O & M) MANUAL. PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM PRIOR TO FINAL INSPECTION.
- 5.410.4.5.1 INSPECTIONS AND REPORTS. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.
- SECTION 5.504 POLLUTANT CONTROL**
- 5.504.1 TEMPORARY VENTILATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 13, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.
- 5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.
- 5.504.5.3 FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MERV OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.
- SECTION 5.506 INDOOR AIR QUALITY**
- 5.506.1 OUTSIDE AIR DELIVERY. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 OF THE CALIFORNIA ENERGY CODE AND CHAPTER 4 OF CCR, TITLE 8 OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT.
- 5.506.2 CARBON DIOXIDE (CO2) MONITORING. FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE, CCR, SECTION 120(C)(4).
- SECTION 5.508 – OUTDOOR AIR QUALITY**
- 5.508.1 OZONE DEPLETION AND GLOBAL WARMING REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.
- 5.508.1.1 CFCs. INSTALL HVAC AND REFRIGERATION EQUIPMENT THAT DOES NOT CONTAIN CFCs.
- 5.508.1.2 HALONS. INSTALL FIRE SUPPRESSION EQUIPMENT THAT DOES NOT CONTAIN HALONS.

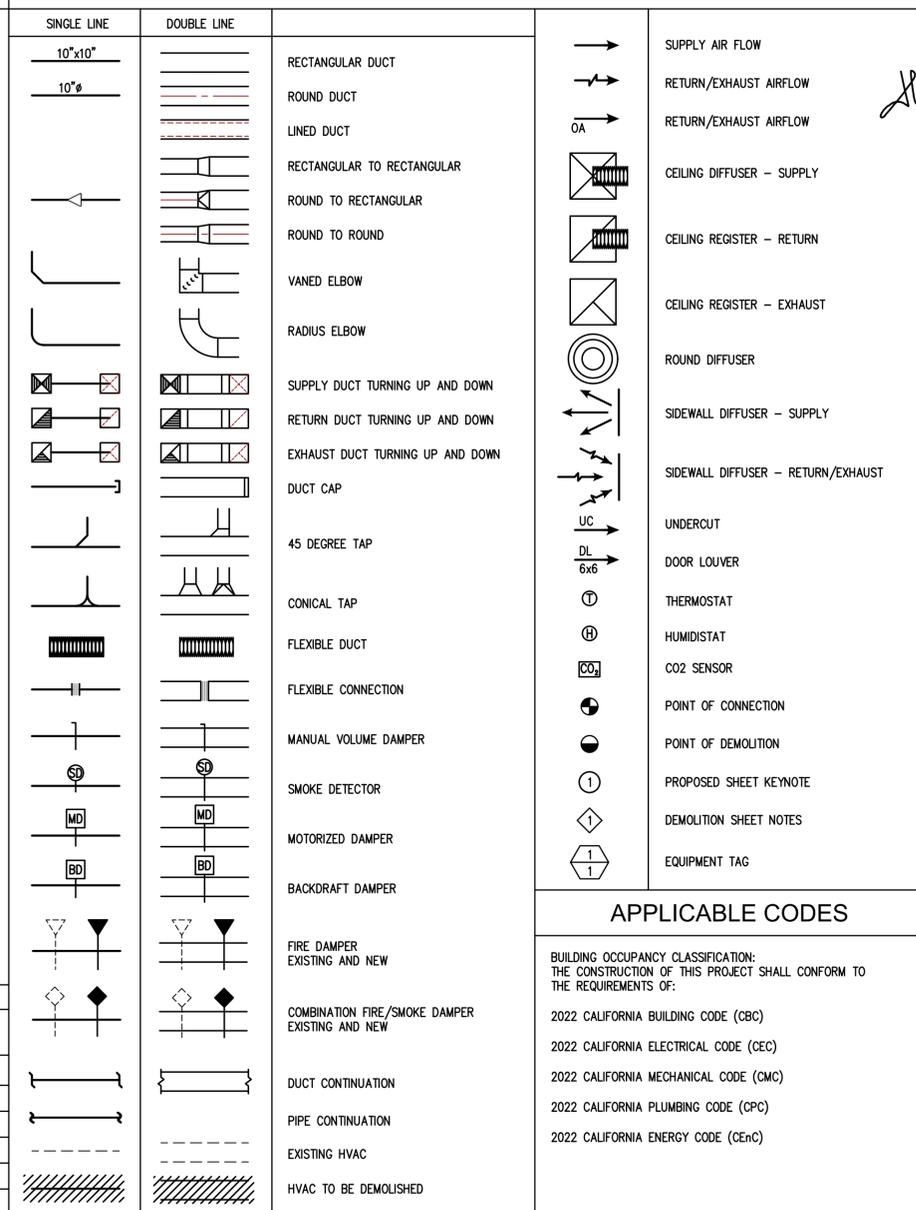
SHEET INDEX

SHT.NO.	DESCRIPTION
M-0.1	MECHANICAL GENERAL NOTES & LEGEND
M-2.1	MECHANICAL EXISTING GROUND FLOOR PLAN
M-2.2	MECHANICAL EXISTING SECOND FLOOR PLAN
M-3.1	MECHANICAL PROPOSED GROUND FLOOR PLAN
M-3.2	MECHANICAL PROPOSED SECOND FLOOR PLAN

ABBREVIATIONS

Abbreviation	Meaning	Abbreviation	Meaning	Abbreviation	Meaning	Abbreviation	Meaning
A	AIR	CC	UNITS PER HOUR	CON	CONTROL	LAT	LEAVING AIR TEMPERATURE
ABV	ABOVE	CD	COOLING COIL	DEH	DEGREES	LBS	POUNDS
AC	AIR CONDITIONING	CFM	CONDENSATE DRAIN	DEH	DEHUMIDIFIER	LBS/H	POUNDS PER HOUR
AD	ACCESS DOOR, AIR DRYER	CF	CUBIC FEET PER MINUTE	DI	DIGITAL INPUT	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
ADA	AMERICANS WITH DISABILITIES ACT	CH	CHILLER	DI	DIGITAL OUTPUT	MCA	MINIMUM CIRCUIT AMPACITY
ADA	AMERICANS WITH DISABILITIES ACT	CHW	CHILLED WATER	DP	DIFFERENTIAL PRESSURE	MOD	MOTOR OPERATED DAMPER
AFF	ABOVE FINISHED FLOOR	CHWS	CHILLED WATER SUPPLY	DV	DIGITAL VALVE	MECH	MECHANICAL
AHU	AIR HANDLING UNIT	CLNG	CEILING	DX	DIRECT EXPANSION	MFR	MANUFACTURER
AI	ANALOG INPUT	CO	CARBON MONOXIDE	EAT	EXHAUST AIR ENTERING AIR TEMPERATURE	N/A	NOT APPLICABLE
AO	ANALOG OUTPUT	CO2	CARBON DIOXIDE	EAT	EXHAUST AIR TEMPERATURE	NC	NORMALLY CLOSED,
AP	ACCESS PANEL	CRAC	COMPUTER ROOM AIR CONDITIONER	EFF	EFFICIENCY	NFPA	NATIONAL FIRE PROTECTION AGENCY
ARCH	ARCHITECTURAL	CW	COOLING WATER	EF	EXPANSION JOINT	NTS	NOT TO SCALE
ASHP	AIR SOURCE HEAT PUMP	CT	COLD WATER	EJ	EXISTING	OA	OUTSIDE AIR
BAS	BUILDING AUTOMATION SYS	CWR	CONDENSER WATER RETURN	ESP	EXTERNAL STATIC PRESSURE	OAT	OUTSIDE AIR TEMPERATURE
BDD	BACKDRAFT DAMPER	CWS	CONDENSER WATER SUPPLY	EWB	EXPANSION TANK ENTERING WET BULB TEMP	PD	PERCENT PRESSURE DROP
BFP	BACKFLOW PREVENTER	Cx	COMMISSIONING	EWT	ENTERING WATER TEMP		
BLW	BELOW	CXA	COMMISSIONING AUTHORITY	EWT	ENTERING WATER TEMP		
BLG	BUILDING	D	DEMOLISH, REMOVE	F	FAHRENHEIT		
BMS	BUILDING MANAGEMENT SYS	DAT	DISCHARGE AIR TEMPERATURE	FSD	FIRE/SMOKE DAMPER		
BOD	BOTTOM OF DUCT, BASIS OF DESIGN	DB	DRY BULB TEMPERATURE	FD	FLOOR DRAIN, FIRE		
BTU	BRITISH THERMAL UNIT	DDC	DIRECT DIGITAL				
BTUH	BRITISH THERMAL UNIT						

MECHANICAL LEGEND



APPLICABLE CODES

BUILDING OCCUPANCY CLASSIFICATION: THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF:

- 2022 CALIFORNIA BUILDING CODE (CBC)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC)
- 2022 CALIFORNIA MECHANICAL CODE (CMC)
- 2022 CALIFORNIA PLUMBING CODE (CPC)
- 2022 CALIFORNIA ENERGY CODE (CEnc)

REGISTERED PROFESSIONAL ENGINEER
No. 13777-24
MICHAEL ANA WATERSHED PROJECT AUTHORITY

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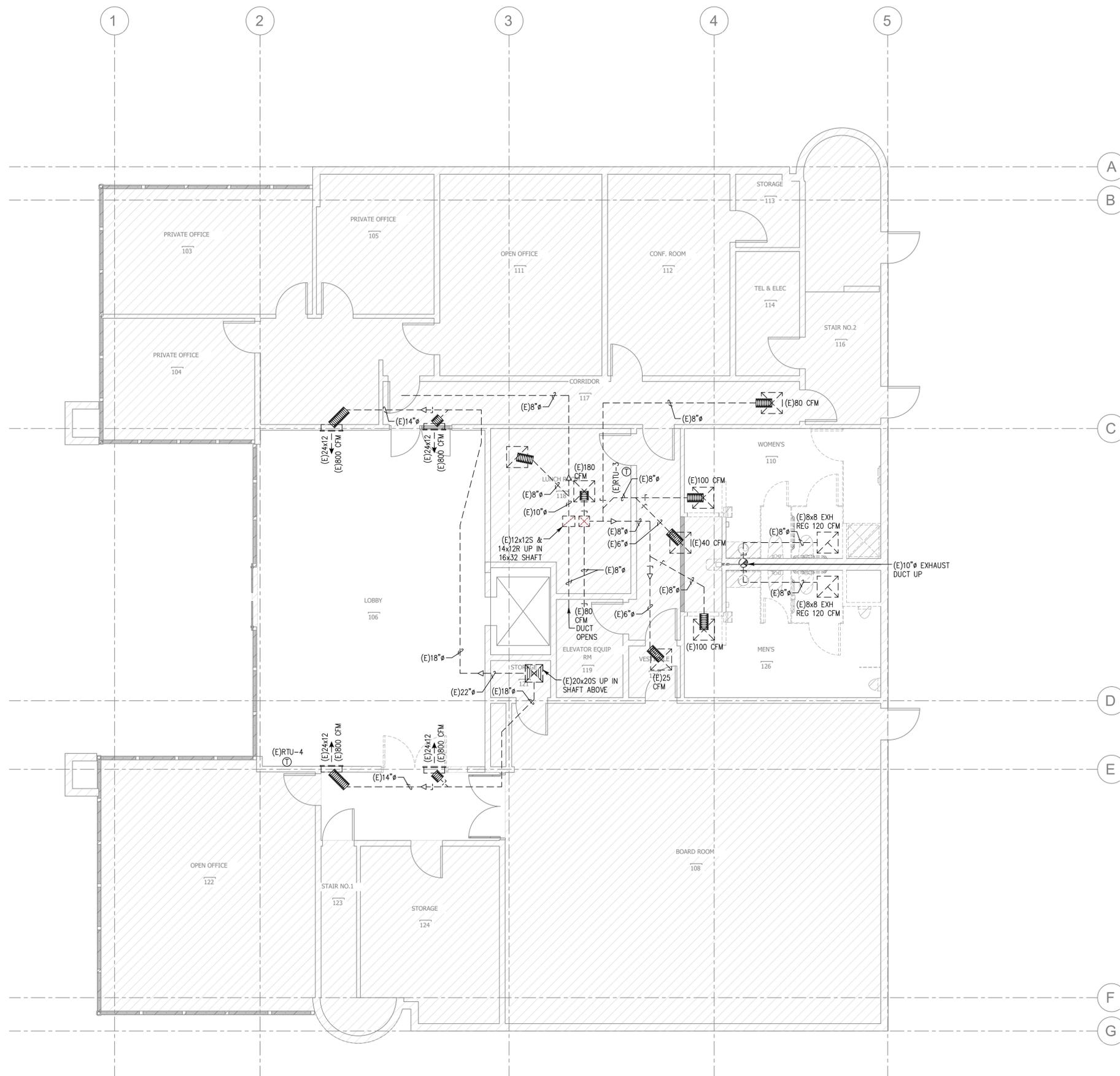
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MECHANICAL GENERAL NOTES & LEGEND

SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY



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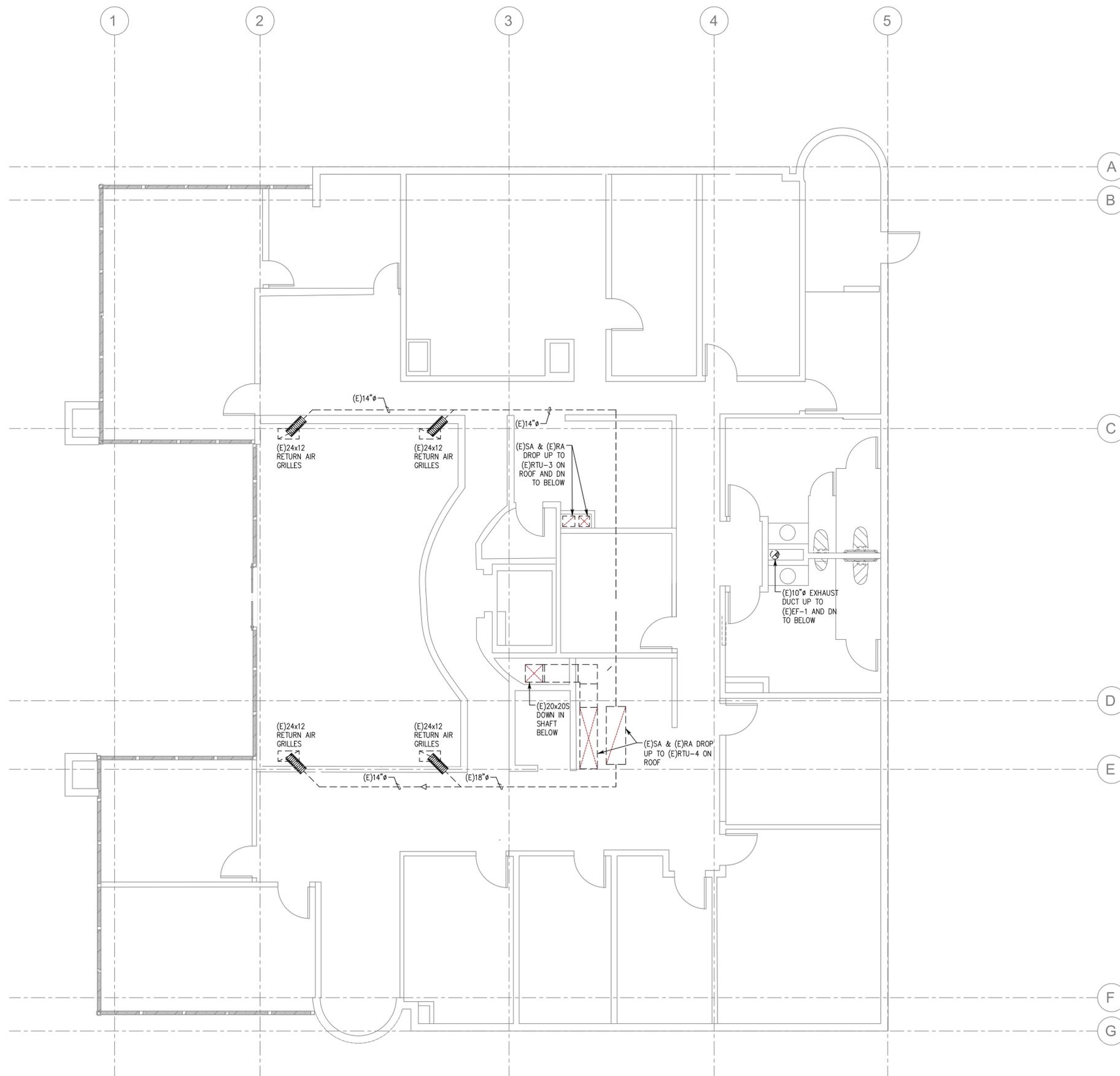
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MECHANICAL EXISTING GROUND FLOOR PLAN
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

1 MECHANICAL EXISTING GROUND FLOOR PLAN
 M-2.1 3/16" = 1'-0"

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M-2.1



1 MECHANICAL EXISTING SECOND FLOOR PLAN
 M-2.2 3/16" = 1'-0"



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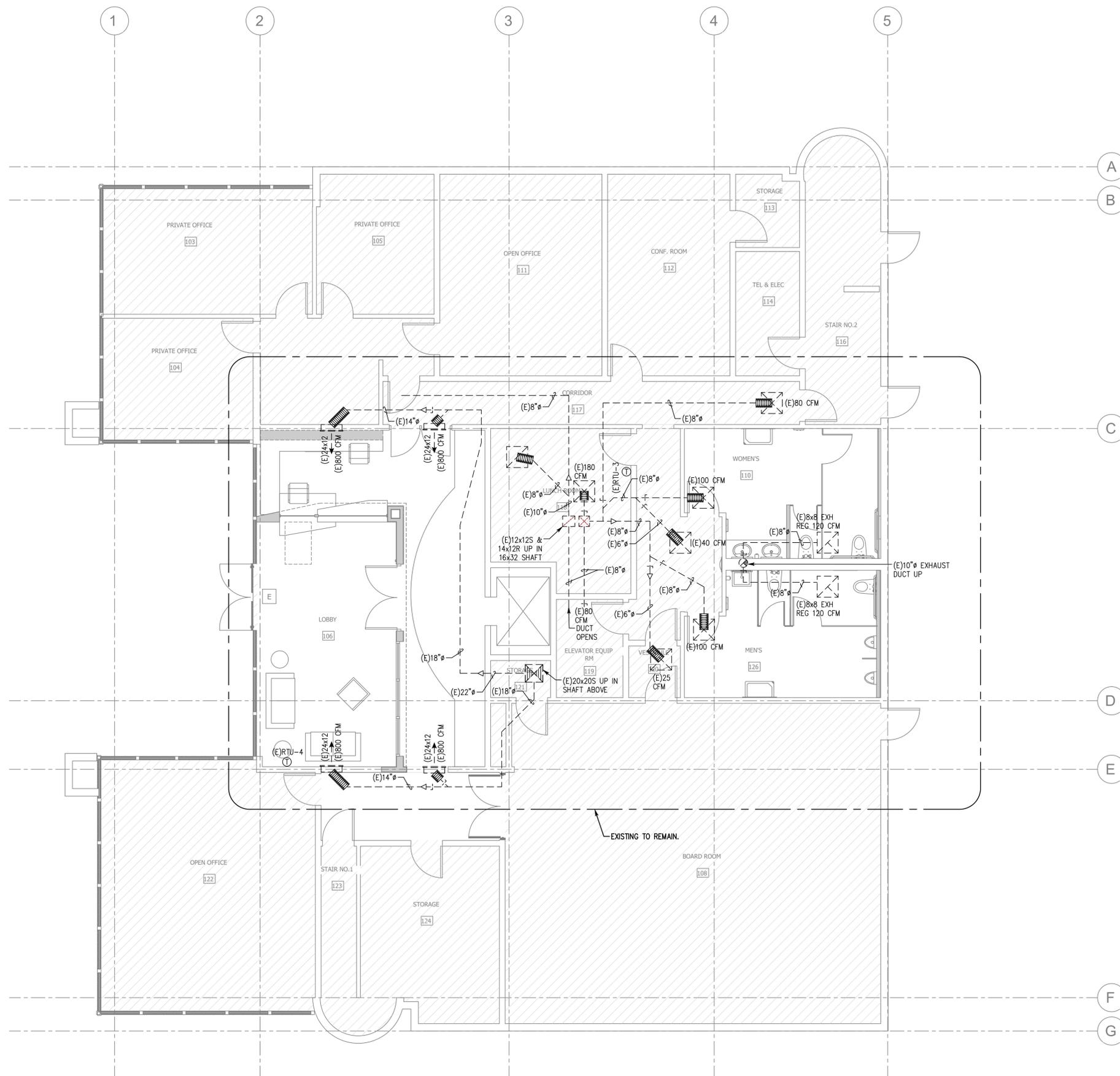
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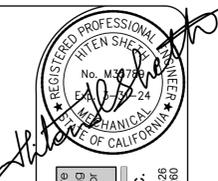
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M-2.2



1 MECHANICAL PROPOSED GROUND FLOOR PLAN
 M-3.1 3/16" = 1'-0"



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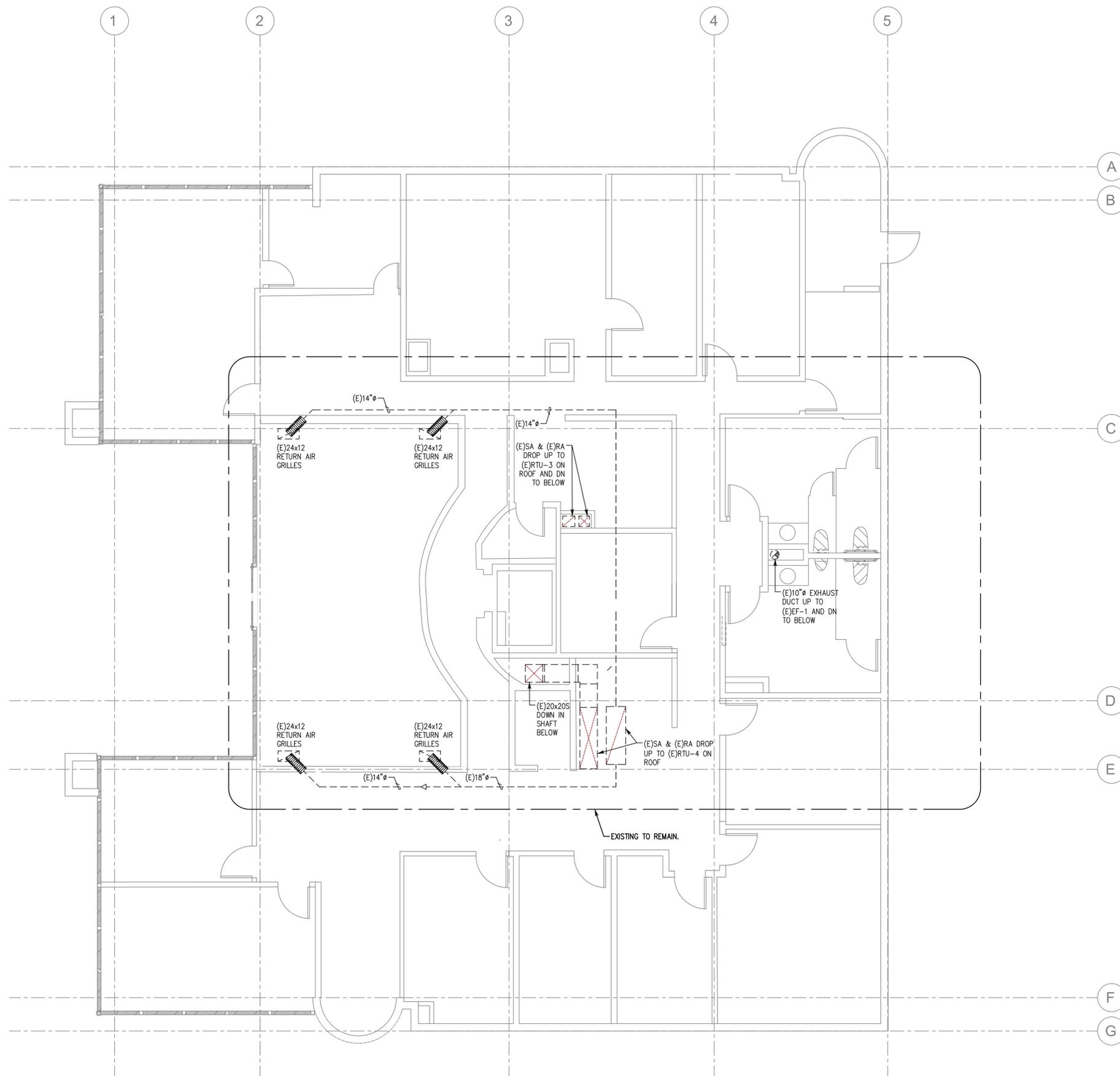
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MECHANICAL PROPOSED GROUND FLOOR PLAN
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M-3.1



1 MECHANICAL PROPOSED SECOND FLOOR PLAN
 M-3.2 3/16" = 1'-0"



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M-3.2

SYMBOLS LIST

	FIRE ALARM PULL STATION. MOUNT AT +48 INCHES UNLESS OTHERWISE NOTED.
	FIRE ALARM PULL STATION, VISUAL STROBE LIGHT AND HORN. MOUNT PULL STATION AT +48 INCHES. MOUNT HORN AND LIGHT AT +80 INCHES ABOVE HIGHEST FLOOR LEVEL IN ROOM OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER. VISUALS SHALL BE 30 CANDELA (75 CD ON AXIS) U.N.O. 15 CD OR 110 CD DEVICES SHALL BE PROVIDED AS PER NFPA 72.
	FIRE ALARM TERMINAL CABINET.
	FIRE ALARM CONTROL PANEL, "FACP". REFER TO SPECIFICATIONS.
	PHOTOELECTRIC TYPE SMOKE DETECTOR MOUNTED ON CEILING OR WALL PER DRAWINGS. ASTERISK (*) ADJACENT INDICATES RELAY BASED AND LISTED FOR DOOR CONTROL.
	CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOORS.
	CONDUIT RUN EXPOSED.
	CONDUIT RUN UNDERGROUND.
	CONDUIT STUBBED OUT AND CAPPED. PULL LINE IN PLACE.
	REFERENCE DETAIL NUMBER. "X" INDICATES DETAIL NUMBER AND "X.X" INDICATES SHEET NUMBER.
	CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #10 CURRENT CARRYING CONDUCTORS CONTAINED THEREIN. TWO #10 AND ONE #10 GROUND WIRE ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #10. ALL CONDUITS SHALL CONTAIN ONE GROUND WIRE SIZED PER C.E.C. TABLE 250-95, BUT NOT SMALLER THAN #10.
	CONDUIT HOMERUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER.
	ISOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE.
	SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.
	RECESSED BRANCH CIRCUIT PANELBOARD.
	PANEL DESIGNATION.
	RECESSED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.
	SURFACE MOUNTED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.
	JUNCTION BOX IN ACCESSIBLE CEILING SPACE OR FLUSH IN WALL WITH BLANK COVER PLATE TO MATCH DEVICE PLATES.
	DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.
	DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.
	TWO DUPLEX GROUNDING TYPE RECEPTACLES IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.
	FLUSH FLOOR MOUNTED DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE.
	ANY RECEPTACLE INDICATED WITH "IG" ADJACENT SHALL BE ISOLATED GROUND TYPE WITH INDIVIDUAL GROUND WIRE TO PANELBOARD.
	DEDICATED RECEPTACLE INDICATED WITH "IG" ADJACENT SHALL BE ISOLATED GROUND TYPE WITH INDIVIDUAL GROUND WIRE TO PANELBOARD.
	COMBINATION MAGNETIC MOTOR STARTER AND NON-FUSED DISCONNECT SWITCH.
	COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH.

	SINGLE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER MOTOR.
	TRANSFORMER, PRIMARY & SECONDARY VOLTAGE AND KVA RATING AS NOTED. TYPE AND CONFIGURATION AS SPECIFIED. PROVIDE DRY TYPE, COPPER WOUND, WALL OR BOX MOUNTED UNLESS NOTED OTHERWISE.
	EQUIPMENT WITH "E" ADJACENT IS EXISTING TO REMAIN.
	EQUIPMENT WITH "R" ADJACENT IS EXISTING TO BE COMPLETELY DISCONNECTED AND REMOVED.
	HP RATED SWITCH
	SWITCH. LOWER CASE LETTER AT BOTTOM INDICATES OUTLETS CONTROLLED. CAPITAL SUPERSRIPT INDICATES SWITCH TYPE.
	NO SUPERSRIPT - SINGLE POLE SWITCH
	2 - DOUBLE POLE
	3 - THREE WAY
	4 - FOUR WAY
	I - ILLUMINATED HANDLE
	K - KEYSWITCH
	LC - LOCKABLE COVER
	M - MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
	MC - MOMENTARY CONTACT
	D - LOW VOLTAGE DIMMER SWITCH
	MOLDED CASE CIRCUIT BREAKER. "AF" INDICATES AMPERE FRAME, "A" INDICATES AMPERE TRIP RATING AND NUMBER OF POLES AS INDICATED. SUBSCRIPT INDICATES TYPE.
	NO SUBSCRIPT THERMAL MAGNETIC
	NA NON-AUTOMATIC
	MO MAGNETIC ONLY
	CL CURRENT LIMITING
	SS SOLID STATE
	EM ELECTRONIC METERING PACKING
	DRAW-OUT TYPE CIRCUIT BREAKER.
	FUSED SWITCH. "AS" INDICATED AMPERE SWITCH RATING, "AFU" INDICATES AMPERE FUSE RATING, NUMBER OF POLES AS INDICATED.
	VOLTAGE TRANSFORMER, FLOOR MOUNTD, COPPER WOUND, DRY TYPE UNLESS SPECIFIED OTHERWISE.
	CURRENT TRANSFORMERS, "C.T.s"
	POTENTIAL TRANSFORMER, P.T.s"
	UTILITY METER SOCKET, WITH C.T.s, CLIPS, ETC., PER SERVING UTILITY COMPANY.
	GROUND, "GRD".
	COMBINATION VOICE/DATA OUTLET. 4S BOX WITH 2 GANG RING AND PLATE. ENGRAVE PLATE "VOICE" AND "DATA" OVER RESPECTIVE JACKS. VERIFY TYPE OF JACK WITH SYSTEM SUPPLIER. CONTRACTOR SHALL RUN 1" C.O. MIN. FROM DATA JACK TO MAIN IDF ROOM. COORDINATE CABLING REQUIREMENTS WITH AV CONSULTANT.
	PANEL NAME.
	FIRE AND SMOKE DAMPER
	SURFACE MOUNTED EMERGENCY LIGHTING UNIT WITH 90 MIN. EMERGENCY BATTERY PACK. REFER TO LIGHTING FIXTURE SCHEDULE.
	"GROUND FAULT INTERRUPTER"
	GROUND FAULT PROTECTION DEVICE.
	GROUND FAULT SENSOR.

	TELEPHONE TERMINAL BACKBOARD "TTB". 3/4 INCH SANDED AND PAINTED CPX PLYWOOD, 4' X 8' UNLESS NOTED OTHERWISE.
	WALL POWER IN-FEED JUNCTION BOX FOR WORKSTATIONS FOR POWER AND TELEPHONE/DATA. SINGLE GANG TELEPHONE BOX. PROVIDE 1-1/2" CONDUIT AND STUB-UP AT +6" ABOVE CEILING WITH A SUPER FLEX CONDUIT, UNLESS OTHERWISE NOTED. VERIFY LOCATION WITH FURNITURE CONTRACTOR.
	WALL MOUNTED OCCUPANCY SENSOR +42" AFF, U.O.N. (SINGLE MANUAL ON/OFF DIMMER SWITCH)
	WALL MOUNTED OCCUPANCY SENSOR +42" AFF, U.O.N. (DOUBLE MANUAL ON/OFF DIMMER SWITCH)
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED DAYLIGHT SENSOR
	FLOOR MOUNTED COMBINATION RECEPTACLE & TELE/DATA
	HALF-SWITCHED DUPLEX RECEPTACLE
	JUNCTION BOX FLUSH IN FLOOR
	NON-FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING. "AFU" INDICATES FUSE AMPERE RATING.

ABBREVIATIONS

AF	AMPERE FRAME RATING OF CIRCUIT BREAKERS
AFF	ABOVE FINISHED FLOOR
AFU	AMPERE FUSE RATING
AIC	AMPS INTERRUPTING CAPACITY RATING (RMS SYMMETRICAL)
AM	AMMETER
AMP, A	AMPERES
AS	AMPERE SWITCH RATING
AT	AMPERE TRIP RATING OF BREAKER
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C	CONDUIT
CAB	CABINET
CC	CENTER TO CENTER
CKT	CIRCUIT
C.O.	CONDUIT ONLY
CU	COPPER
DWG	DRAWING
E	EXISTING
FF	FINISHED FLOOR
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FUT	FUTURE
GND	GROUND
HZ	HERTZ
J.B.	JUNCTION BOX
K	THOUSAND (KLO)
KV	KILOVOLTS
KW	KILOWATTS
KVA	KILOVOLT AMPERES
KWH	KILOWATT-HOURS
L.T.	LIGHT, LIGHTS
LTS	LIGHTING
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MOM	THOUSAND CIRCULAR MILS
MT, MTD, MTG	MOUNT, MOUNTED, MOUNTING
NO, NOS	NUMBER, NUMBERS
NTS	NOT TO SCALE
OC	ON CENTER
PNL	PANEL
PANLBD	PANELBOARD
PR	PRIMARY
PWR	POWER
R	REMOVED
REC	RECEPTACLE
RECP	RECEPTACLES
REQD	REQUIRED
SW	SWITCH
SYS	SYSTEM
SYM	SYMMETRICAL
TEMP	TEMPERATURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
ZD	ZONE DAMPER

APPLICABLE CODES

- BUILDING OCCUPANCY CLASSIFICATION:
THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF:
- 2022 BUILDING STANDARD ADMINISTRATIVE CODE
 - 2022 CALIFORNIA BUILDING CODE (CBC)
 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)
 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
 - 2022 CALIFORNIA PLUMBING CODE (CPC)
 - 2022 CALIFORNIA ENERGY CODE
 - 2022 CALIFORNIA FIRE CODE (CFC),

FIRE ALARM PERMIT NOTE

CONTRACTOR SHALL PROVIDE AND SUBMIT FIRE ALARM SAFETY CONSTRUCTION DOCUMENTS FOR ALL AGENCY PLAN CHECK REQUIREMENTS. APPROVAL SHALL BE OBTAINED PRIOR TO THE INSTALLATION OF THE SYSTEM. INTERCONNECTING WIRING AND CONDUIT SIZES ARE NOT INDICATED. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING RACEWAY, WIRING PLANS, VOLTAGE DROP CALCULATION AND COMPLETE ONE LINE DIAGRAM OF THE SYSTEM.

CONTRACTOR SHALL PROVIDE AS PART OF FIRE ALARM SYSTEM:

- * CONSTRUCTION DOCUMENT AND SHOP DRAWINGS.
- * SUBMIT AND SECURE FIRE MARSHAL APPROVAL
- * FIELD TO VERIFY EXISTING FIRE ALARM DEVICES. ADD AND/OR RELOCATE EXISTING DEVICES TO COMPLY TO NEW SPACE CONFIGURATION.

SCOPE OF WORK

EXISTING RESTROOM TO BE REMODELED TO NEW WITH ALL NEW POWER AND LIGHTING. EXISTING LOBBY ARE TO BE REMODELED TO ADD NEW RECEPTION AREA.

DEMOLITION GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL INVESTIGATE PROJECT SITE TO DETERMINE ALL CONDITIONS WHICH MAY AFFECT THE EXECUTION OF HIS WORK. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THESE EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK. HE SHALL BE RESPONSIBLE FOR DE-ENERGIZING CIRCUITS IN DEMOLITION AREAS TO ENSURE A SAFE CONDITION. MAINTAIN ELECTRICAL SERVICE TO THE EXISTING EQUIPMENT, SERVICES AND CIRCUITS AS REQUIRED. SCHEDULING OF SERVICE OUTAGES SHALL BE COORDINATED WITH ARCHITECT AND OWNER.
- FOR ALL COMMUNICATION OUTLETS PROVIDED DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING. PROVIDE 1" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING WITH 80' BEND AND CONDUIT BUSHING UNLESS OTHERWISE NOTED ON DRAWINGS. FOR NON-ACCESSIBLE CEILING, ROUTE CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE OR TO NEAREST COMMUNICATION CLOSET. PROVIDE BLANK COVER PLATES FOR ALL UNUSED BOXES.
- PANELBOARD NAME AND CIRCUITS NUMBER ARE BASED ON AS-BUILTS DRAWINGS. CONTRACTOR SHALL FIELD-VERIFY, AS REQUIRED.
- IN GENERAL, THE DEMOLITION PLAN SHOWS ALL EXISTING EQUIPMENT TO BE REMOVED; HOWEVER, ELECTRICAL EQUIPMENT, WHETHER SHOWN ON THIS DRAWINGS OR NOT THAT IS LOCATED IN REMOVED WALLS, FLOORS OR CEILING, SHALL BE REMOVED UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL MATERIAL WHICH WILL NOT BE REUSED. UNUSED CONDUITS SHALL BE CUT OFF AND PLUGGED FLUSH WITH SURFACES. EXISTING MATERIAL WHICH IS NOT TO BE REUSED OR IS NOT REQUIRED TO BE RETAINED BY OWNER SHALL BE REMOVED FROM SITE.
- DISCONNECT AND REMOVE CIRCUITING BACK TO SOURCE OR NEAREST POINT PRACTICAL TO MAINTAIN ELECTRICAL CONTINUITY OF REMAINING DEVICES, EXTEND CONDUIT AND CONDUCTORS AS NECESSARY TO MAINTAIN CIRCUIT INTEGRITY.
- IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, ELECTRICAL EQUIPMENT, ETC., AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING, OR THE EXTENSION OF EXISTING CONDUIT AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.
- EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR WHERE EXISTING WALL, ETC., IS REMOVED. REMOVE CONDUCTORS FROM THIS POINT BACK TO LAST OUTLET REMAINING IN SERVICE.
- WHERE EXISTING CIRCUITING IS DISTURBED BY DEMOLITION WORK, THE CONTRACTOR SHALL REWORK AND/OR EXTEND EXISTING CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO ALL REMAINING LOADS AFFECTED BY CIRCUIT.
- IT SHALL BE THE RESPONSIBILITY FOR THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.
- ALL ELECTRICAL FIXTURES, OUTLETS, DEVICES, ETC., THAT ARE REMOVED, SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRING BACK TO THE LAST FIXTURE, OUTLET, DEVICE, ETC., REMAINING IN SERVICE.
- EXISTING CIRCUITS WHICH ARE REMOVED AND NOT REUSED SHALL BE IDENTIFIED ON THE PANEL SCHEDULE AS "SPARE".
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS IN AN "AS- FOUND" CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.
- EXISTING CONDUIT MAY BE REUSED IF ADEQUATELY SIZED, PUT IN NO CASE SHALL EXISTING CONDUCTORS BE REUSED.
- IN SOME INSTANCES, IT MAY BE NECESSARY FOR THE ELECTRICAL CONTRACTOR TO TEMPORARILY RELOCATE, REROUTE, ETC., EXISTING ELECTRICAL EQUIPMENT. THIS SHALL BE DONE SO THAT THE SYSTEMS IN ALL PHASES (THOSE COMPLETED AND THOSE YET TO BEGIN), ARE IN COMPLETE, OPERABLE, CONDITION AS CONSTRUCTION PROCEEDS THROUGH EACH PHASE.
- ALL ABANDONED OUTLETS INCLUDING LIGHT, RECEPTACLES, TELEPHONE, ETC., SHALL BE COVERED AND PATCHED TO MATCH THE FINISH OF SURROUNDING WALL OR CEILING TO THE SATISFACTION OF THE OWNER.
- ALL LIGHTING FIXTURES REMOVED TO ACCOMPLISH DEMOLITION WORK SHALL BE REINSTALLED SIMILAR TO NEW WORK.
- WHERE EXISTING WALL TO BE REMOVED AND THERE ARE EXISTING CONDUIT FEEDS IN THESE WALL, IT IS THE CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE THESE CONDUITS, AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING WITH NEW CONDUITS AND WIRES (MATCH EXISTING), J-BOXES AND EXTENSION OF EXISTING CONDUITS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.

SHEET INDEX

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E-05	LIGHTING CONTROL DIAGRAM
E-06	T-24 COMPLIANCE FORMS
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E-31	OVERALL PROPOSED FLOOR PLAN
E-41	ENLARGED PROPOSED POWER PLAN
E-42	ENLARGED PROPOSED LIGHTING PLAN

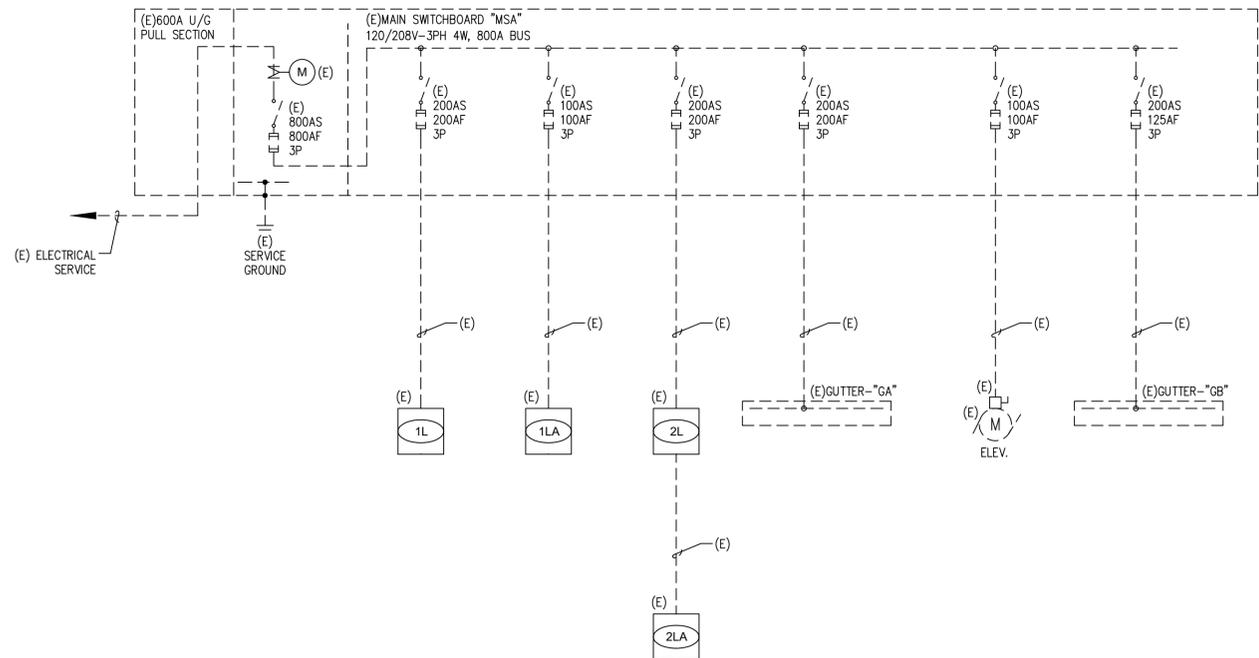


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ELECTRICAL SYMBOL LIST AND ABBREVIATIONS
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

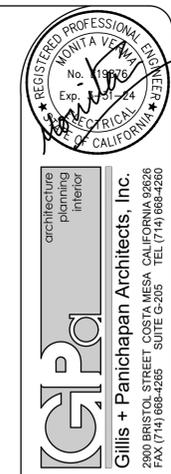


SINGLE LINE DIAGRAM

EXISTING SWITCHBOARD "MSA"											
VOLTAGE: 208 / 120			PHASE: 3			WIRE: 4					
BUS AMPS: 800 A			DEVICE AMPS: 800 A			MCB			NEMA: 1		
A.I.C RATING: 65,000 A			MOUNTING: PAD								
LOCATION DESCRIPTION	LOAD (kVA)	TRIP POLE	#	PH	#	TRIP POLE	LOAD (kVA)	LOCATION DESCRIPTION	LOAD (kVA)	TRIP POLE	#
EXISTING PANEL-1L	14.670		1	A	2		4.960	EXISTING PANEL-1LA	4.960		
	15.155	200/3	3	B	4	100/3	4.000		4.000		
	14.675		5	C	6		3.600		3.600		
EXISTING PANEL-2L	17.036		7	A	8		15.000	EXISTING GUTTER-GA	15.000		
	13.540	200/3	9	B	10	200/3	15.000		15.000		
	12.460		11	C	12		15.000		15.000		
EXISTING ELEVATOR	9.330		13	A	14		8.330	EXISTING GUTTER-GB	8.330		
	9.330	100/3	15	B	16	200/3	8.330		8.330		
	9.330		17	C	18		8.330		8.330		

PANEL LOAD ANALYSIS							
Phase A Connected Load	69.326	kVA	TOTAL CONNECTED LOAD	198.08	kVA	549.8	AMPS
Phase B Connected Load	65.355	kVA	TOTAL DEMAND LOAD	189.91	kVA	527.1	AMPS
Phase C Connected Load	63.395	kVA					

- PANEL SCHEDULE NOTES:
- U.N.O ALL CIRCUITS TO REMAIN EXISTING WITH EXISTING CIRCUIT BREAKER.
 - ALL NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANEL "1LA" SHALL MATCH THE HIGHEST EXISTING AIC RATED CIRCUIT BREAKER WITHIN THAT BOARD. INSPECTOR TO VERIFY HIGHEST AIC RATING AT THE SITE.
 - CONTRACTOR SHALL VERIFY EXISTING PANEL RATING AND ALL EXISTING LOAD TYPE & WATTAGE AND SUBMIT COMPLETE PANEL DIRECTORY FOR EFOR TO REVIEW BEFORE COMMENCEMENT OF ANY NEW WORK.
 - AFTER EFOR APPROVAL, PROVIDE AND PLACE COMPLETE PANEL DIRECTORY ON THE EXISTING PANEL.



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EXISTING PANEL '1L'												
VOLTAGE: 208 / 120			PHASE: 3			WIRE: 4						
BUS AMPS: 200 A			DEVICE AMPS: 200 A			MLO			NEMA: 1			
			MOUNTING: SURFACE									
CKT WIRE	LOCATION DESCRIPTION	LOAD (kVA)	LOAD TYPE	TRIP POLE	#	PH	#	TRIP POLE	LOAD (kVA)	LOCATION DESCRIPTION	CKT WIRE	
EXISTING	OFFICE LIGHTING EXITS	1.260	B	20/1	1	A	2	20/1	B	1.260	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	3	B	4	20/1	B	1.080	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE LIGHTING	1.500	B	20/1	5	C	6	20/1	B	1.260	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE LIGHTING	1.080	B	20/1	7	A	8	20/1	B	1.080	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE LIGHTING	0.300	B	20/1	9	B	10	20/1	B	0.800	OFFICE DISHWASHER	EXISTING
EXISTING	OFFICE LIGHTING	1.500	B	20/1	11	C	12	20/1	B	1.500	OFFICE COFFEE	EXISTING
EXISTING	WOMEN'S RESTROOM LIGHTING	0.150	B	20/1	13	A	14	20/1	B	0.850	OFFICE DISPOSAL	EXISTING
EXISTING	OFFICE LIGHTING	0.700	G	20/1	15	B	16	20/1	B	1.260	RESTROOM RECEPTACLE	EXISTING
EXISTING	OFFICE LIGHTING	0.300	G	20/1	17	C	18	20/1	B	1.500	OFFICE MICROWAVE	EXISTING
EXISTING	MEN'S RESTROOM LIGHTING	0.150	B	20/1	19	A	20	20/1	H	0.500	HAND DRYER-WOMEN'S RR	3/4"C-2#12CU & 12G
EXISTING	OFFICE LIGHTING	1.400	B	20/1	21	B	22	20/1	G	0.700	DRINKING FOUNTAIN	EXISTING
EXISTING	PIV	1.080	B	15/1	23	C	24	20/1	H	0.500	HAND DRYER-MEN'S RR	3/4"C-2#12CU & 12G
EXISTING	TIME CLOCK CONTROL	1.080	H	15/1	25	A	26	20/1	B	1.260	OFFICE RECEPTACLE	EXISTING
EXISTING	TELEPHONE	1.080	B	15/1	27	B	28	20/1	B	1.360	OFFICE RECEPTACLE	EXISTING
-	SPACE				29	C	30	20/1	B	0.300	OFFICE PROJ. SCREEN	EXISTING
-	SPACE				31	A	32	20/1	A	1.500	EXTER COLUMN LIGHTING	EXISTING
-	SPACE				33	B	34	20/2	A	1.035	SITE LIGHTING	EXISTING
-	SPACE				35	C	36		A	1.035		
EXISTING	WH-1	4.000	H		37	A	38	20/1	A	0.500	EXTER. BOLLARDS	EXISTING
-	SPACE	4.000	H	50/2	39	B	40	20/1	B	0.360	OFFICE RECEPTACLE	EXISTING
-	SPACE				41	C	42	20/1	B	0.200	OFFICE RECEPTACLE	EXISTING

PANEL LOAD ANALYSIS											
Load Type	DESCRIPTION	Conn. kVA	Demand kVA	CEC 2022 REFERENCE	Load Type	DESCRIPTION	Conn. kVA	Demand kVA	CEC 2022 REFERENCE		
A	Lighting	4.07	5.09	CEC Table 220.42	E	Heating	0.00	0.00	CEC Article 220.60		
B	Receptacles	24.65	17.33	CEC Table 220.44	F	Largest Motor	0.00	0.00	CEC Article 220.18(A)		
C	Kitchen Equipment	0.00	0.00	CEC Table 220.56	G	Other Motors	0.00	0.00	CEC Article 220.18(A)		
D	Air-Conditioning	0.00	0.00	CEC Table 220.60	H	Other Loads	14.08	14.08	CEC Article 220.14(A)		
Phase A Connected Load		14.670	kVA	Notes:	TOTAL CONNECTED LOAD		44.50	kVA	123.5	AMPS	
Phase B Connected Load		15.155	kVA	1. NEW LOAD ADDITION TO EXISTING CIRCUIT	TOTAL DEMAND LOAD		38.19	kVA	106.0	AMPS	
Phase C Connected Load		14.675	kVA								

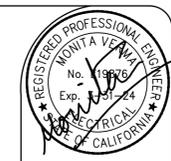
EXISTING PANEL '2L'												
VOLTAGE: 208 / 120			PHASE: 3			WIRE: 4						
BUS AMPS: 200 A			DEVICE AMPS: 200 A			MLO			NEMA: 1			
			MOUNTING: SURFACE									
CKT WIRE	LOCATION DESCRIPTION	LOAD (kVA)	LOAD TYPE	TRIP POLE	#	PH	#	TRIP POLE	LOAD (kVA)	LOCATION DESCRIPTION	CKT WIRE	
EXISTING	OFFICE RECEPTACLE	1.260	B	20/1	1	A	2	20/1	A	1.000	OFFICE LIGHTING	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	3	B	4	20/1	A	0.875	OFFICE LIGHTING	EXISTING
EXISTING	OFFICE COPIER	1.500	B	20/1	5	C	6	20/1	A	0.920	OFFICE LIGHTING	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	7	A	8	20/1	A	1.400	OFFICE LIGHTING	EXISTING
EXISTING	OFFICE RECEPTACLE	0.300	B	20/1	9	B	10	20/1	A	1.400	OFFICE LIGHTING	EXISTING
EXISTING	HAND DRYER	1.500	B	20/1	11	C	12	20/1	A	0.750	OFFICE LIGHTING	EXISTING
EXISTING	HAND DRYER	1.500	B	20/1	13	A	14	20/1	A	1.386	OFFICE LIGHTING	EXISTING
EXISTING	EDF	0.700	G	20/1	15	B	16	20/1	A	1.340	CORRIDOR NL	EXISTING
EXISTING	EDF	0.300	G	20/1	17	C	18	20/1	A	1.500	CORRIDOR NL	EXISTING
EXISTING	MICROWAVE	1.500	B	20/1	19	A	20	20/1	A	0.750	LOBBY LIGHTING	EXISTING
EXISTING	COFFEE	1.000	B	20/1	21	B	22	20/1	A	0.750	LOBBY LIGHTING	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	23	C	24	20/1	H	0.200	TIME CLOCK CONTROL	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	25	A	26	20/1	B	0.360	ROOF RECEPTACLE	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	27	B	28	20/1	G	0.400	EF-1	EXISTING
-	SPACE				29	C	30	20/1	A	0.550	OFFICE LIGHTING	EXISTING
-	SPACE				31	A	32	20/1	A	0.800	LOBBY LIGHTING	EXISTING
-	SPACE				33	B	34	20/1			SPARE	-
-	SPACE				35	C	36	20/1			SPARE	-
-	SPACE				37	A	38			4.920		
-	SPACE				39	B	40	100/3		4.615	EXISTING PANEL "2LA"	EXISTING
-	SPACE				41	C	42			4.160		

PANEL LOAD ANALYSIS											
Load Type	DESCRIPTION	Conn. kVA	Demand kVA	CEC 2022 REFERENCE	Load Type	DESCRIPTION	Conn. kVA	Demand kVA	CEC 2022 REFERENCE		
A	Lighting	13.42	16.78	CEC Table 220.42	E	Heating	0.00	0.00	CEC Article 220.60		
B	Receptacles	14.32	12.16	CEC Table 220.44	F	Largest Motor	0.00	0.00	CEC Article 220.18(A)		
C	Kitchen Equipment	0.00	0.00	CEC Table 220.56	G	Other Motors	1.40	1.40	CEC Article 220.18(A)		
D	Air-Conditioning	0.00	0.00	CEC Table 220.60	H	Other Loads	0.20	0.20	CEC Article 220.14(A)		
Phase A Connected Load		17.036	kVA	Notes:	TOTAL CONNECTED LOAD		43.04	kVA	119.5	AMPS	
Phase B Connected Load		13.540	kVA		TOTAL DEMAND LOAD		42.38	kVA	117.6	AMPS	
Phase C Connected Load		12.460	kVA								

EXISTING PANEL '1LA'												
VOLTAGE: 208 / 120			PHASE: 3			WIRE: 4						
BUS AMPS: 100 A			DEVICE AMPS: 100 A			MLO			NEMA: 1			
			MOUNTING: SURFACE									
CKT WIRE	LOCATION DESCRIPTION	LOAD (kVA)	LOAD TYPE	TRIP POLE	#	PH	#	TRIP POLE	LOAD (kVA)	LOCATION DESCRIPTION	CKT WIRE	
EXISTING	OFFICE RECEPTACLE	0.900	B	20/1	1	A	2	20/1	B	0.900	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE RECEPTACLE	0.900	B	20/1	3	B	4	20/1	B	0.900	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE RECEPTACLE	1.080	B	20/1	5	C	6	20/1	B	0.540	OFFICE RECEPTACLE	EXISTING
EXISTING	OFFICE RECEPTACLE	1.440	B	20/1	7	A	8	20/1	B	1.080	OFFICE RECEPTACLE	EXISTING
3/4"C-2#12CU & 12G	RECEPTION RECEPTACLE	0.900	B	20/1	9	B	10	20/1	B	0.800	REFRIGERATOR	EXISTING
3/4"C-2#12CU & 12G	LOBBY CONV. RECEPTACLE	1.080	B	20/1	11	C	12	20/1	B	0.900	OFFICE RECEPTACLE	EXISTING
3/4"C-2#12CU & 12G	RESTROOM RECEPTACLE	0.540	B	20/1	13	A	14	20/1	H	0.100	LOBBY DOOR	3/4"C-2#12CU & 12G
3/4"C-2#12CU & 12G	AUTOMATIC FLUSH VALVE	0.500	B	20/1	15	B	16					
-	SPACE				17	C	18					
-	SPACE				19	A	20					
-	SPACE				21	B	22					
-	SPACE				23	C	24					

PANEL LOAD ANALYSIS											
Load Type	DESCRIPTION	Conn. kVA	Demand kVA	CEC 2022 REFERENCE	Load Type	DESCRIPTION	Conn. kVA	Demand kVA	CEC 2022 REFERENCE		
A	Lighting	0.00	0.00	CEC Table 220.42	E	Heating	0.00	0.00	CEC Article 220.60		
B	Receptacles	12.46	11.23	CEC Table 220.44	F	Largest Motor	0.00	0.00	CEC Article 220.18(A)		
C	Kitchen Equipment	0.00	0.00	CEC Table 220.56	G	Other Motors	0.00	0.00	CEC Article 220.18(A)		
D	Air-Conditioning	0.00	0.00	CEC Table 220.60	H	Other Loads	0.10	0.10	CEC Article 220.14(A)		
Phase A Connected Load		4.960	kVA	Notes:	TOTAL CONNECTED LOAD		12.56	kVA	34.9	AMPS	
Phase B Connected Load		4.000	kVA	1. NEW LOAD AT EXISTING SPARE C.B	TOTAL DEMAND LOAD		11.33	kVA	31.4	AMPS	
Phase C Connected Load		3.600	kVA	2. NEW LOAD WITH NEW C.B							

EXISTING PANEL '2LA'											
VOLTAGE: 208 / 120			PHASE: 3			WIRE: 4					
BUS AMPS: 100 A			DEVICE AMPS: 100 A			MLO			NEMA: 1		
			MOUNTING: SURFACE								
CKT WIRE	LOCATION DESCRIPTION	LOAD (kVA)	LOAD TYPE	TRIP POLE	#	PH	#	TRIP POLE	LOAD (kVA)	LOCATION DESCRIPTION	CKT WIRE



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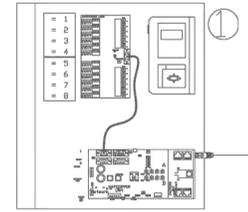
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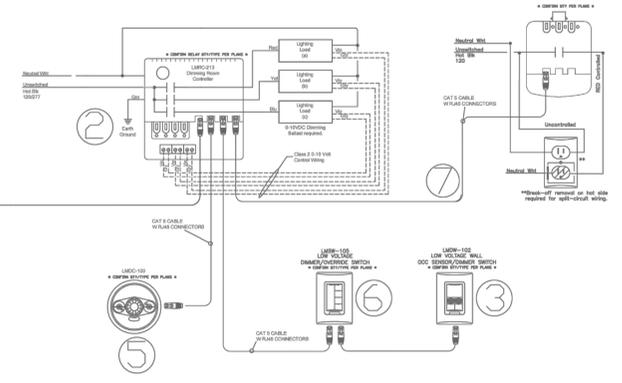
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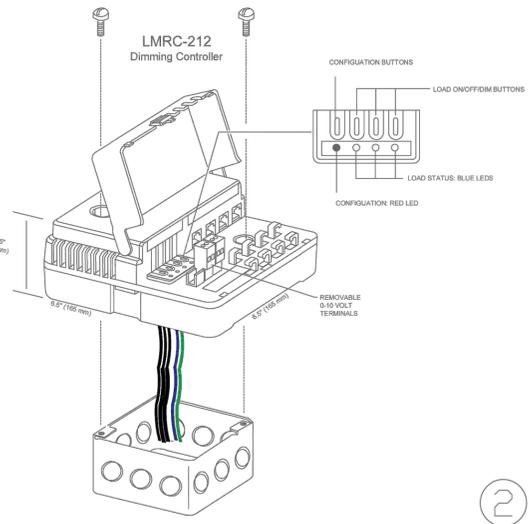
LMCP-8
8 RELAY
LIGHTING CONTROL PANEL



TIME CLOCK AUTO SHUTOFF FOR RETAIL AREAS



TIME CLOCK AUTO SHUTOFF



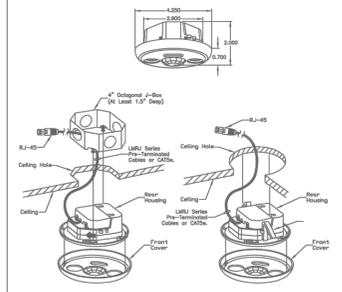
2

LMDW-102
2 Button low voltage
wall occupancy sensor
ON/RAISE
OFF/LOWER



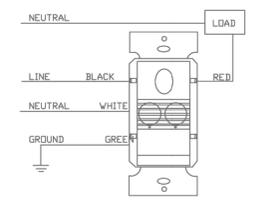
3

LMDC 100
Ceiling Mt
Occ Sensor



5

DSW 100
LINE VOLTAGE
SINGLE POLE WALL OCC SENSOR
FOR RESTROOMS



8

LIGHTING CONTROL DIAGRAM

LIGHTING CONTROL DIAGRAM

SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

E-0.5

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: SANTA ANA WATERSHED PROJECT AUTHORITY Report Page: (Page 1 of 8)
Date Prepared: 04-11-2023

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: SANTA ANA WATERSHED PROJECT AUTHORITY Report Page: (Page 1 of 8)
Project Address: 11615 STERLING AVENUE Date Prepared: 04-11-2023

A. GENERAL INFORMATION

01 Project Location (city)	RIVERSIDE	04 Total Conditioned Floor Area (ft ²)	1,221
02 Climate Zone	10	05 Total Unconditioned Floor Area (ft ²)	0
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1

• Support Areas • All Other Occupancies

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces	Unconditioned Spaces
01	02	03
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)
<input type="checkbox"/> New Lighting System		
<input type="checkbox"/> New Lighting System - Parking Garage		
<input checked="" type="checkbox"/> Altered Lighting System	Area Category Method	Area Category Method
Total Area of Work (ft²)	1221	0

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C. COMPLIANCE RESULTS

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 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)					Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)			Compliance Results	
	01	02	03	04	05	06	07	08		
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	Total Allowed (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	Total Adjusted (Watts) *Includes Adjustments		
	(See Table I)	(See Table I)	(See Table J)	(See Table K)	= 819	≥ 817	(See Table F)	(See Table P)	= 817	05 must be ≥ 08 140.6 / 170.2(e)
Conditioned	818.7	0	0	0	= 819	≥ 817	0	=	817	COMPLIES
Unconditioned					=	≥		=		COMPLIES
Controls Compliance (See Table H for Details)										COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)										

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

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F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector
									Pass Fail
EXISTING-2X4	EXISTING-2x4	No	NA	32	Mfr. Spec	2	No	64	<input type="checkbox"/>
EXISTING-PENDANT	EXISTING-PENDANT	No	NA	35	Mfr. Spec	8	No	280	<input type="checkbox"/>
FX-D	FX-D	No	NA	17	Mfr. Spec	4	No	68	<input type="checkbox"/>
FX-D1	FX-D1	No	NA	25.6	Mfr. Spec	6	No	153.6	<input type="checkbox"/>
FX-D2	FX-D2	No	NA	38.4	Mfr. Spec	2	No	76.8	<input type="checkbox"/>
FX-D4	FX-D4	No	NA	5	Mfr. Spec	35	No	175	<input type="checkbox"/>
Total Designed Watts: CONDITIONED SPACES									817

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% / 80% of their rated wattage. Table F automatically makes this adjustment; the permit applicant should enter full rated wattage in column 05.
²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

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CERTIFICATE OF COMPLIANCE NRCC-LTI-E
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Date Prepared: 04-11-2023

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector
		Pass Fail
NA < 4,000W subject to multilevel	Whole Building Auto Time Switch	<input type="checkbox"/>

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 170.2(e)2A	Interlocked Systems 140.6(a)1 / 170.2(e)2A	Field Inspector
								Pass Fail
RESTROOM (MEN'S/WOMEN'S)	Restroom	Readily Accessible	Dimmer	Occupancy Sensor	NA: General Ltg < 120W	NA: General Ltg < 120W	No	<input type="checkbox"/>
RECEPTION	Lounge	Readily Accessible	Dimmer	Auto. Time Switch	NA: General Ltg < 120W	NA: General Ltg < 120W	No	<input type="checkbox"/>
LOBBY	Main Entry Lobby	Readily Accessible	Dimmer	Auto. Time Switch	NA: General Ltg < 120W	NA: General Ltg < 120W	No	<input type="checkbox"/>
CORRIDOR	Corridor	Readily Accessible	Dimmer	Auto. Time Switch	NA: General Ltg < 120W	NA: General Ltg < 120W	No	<input type="checkbox"/>

13
Plan Sheet Showing Daylit Zones:

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

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used.

Conditioned 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 Allowance / Adjustment PAF	
	RESTROOM	Restroom	0.65	422	274.3	No	
	RECEPTION	Lounge	0.55	99	54.4	No	
	LOBBY	Main Entry Lobby	0.7	700	490	No	
	TOTALS:					1,221	818.7
							See Tables J, or for detail

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CERTIFICATE OF COMPLIANCE NRCC-LTI-E
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Date Prepared: 04-11-2023

J. ADDITIONAL LIGHTING ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

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 Allowance / Adjustment PAF	
RESTROOM	Restroom	0.65	422	274.3	No	
RECEPTION	Lounge	0.55	99	54.4	No	
LOBBY	Main Entry Lobby	0.7	700	490	No	
	TOTALS:					1,221
						See Tables J, or for detail

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title
NRCC-LTI-E - Must be submitted for all buildings

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STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: SANTA ANA WATERSHED PROJECT AUTHORITY Report Page: (Page 6 of 8)
Date Prepared: 04-11-2023

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch; RESTROOM (MEN'S/WOMEN'S); RECEPTION; LOBBY; CORRIDOR;

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CERTIFICATE OF COMPLIANCE NRCC-LTI-E
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Date Prepared: 04-11-2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Company: Address: City/State/Zip:	Documentation Author Signature: Signature Date: H2S ENGINEERS INC. CEA/HERS Certification Identification (if applicable): Phone:
---	--

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 building provides to the building owner at occupancy.

Responsible Designer Name: Company: Address: City/State/Zip:	Responsible Designer Signature: Date Signed: License: Phone:
---	---

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Responsible Designer Name: Company: Address: City/State/Zip:	Responsible Designer Signature: Date Signed: License: Phone:
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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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Documentation Author Name: Company: Address: City/State/Zip:	Documentation Author Signature: Signature Date: H2S ENGINEERS INC. CEA/HERS Certification Identification (if applicable): Phone:
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Responsible Designer Name: Company: Address: City/State/Zip:	Responsible Designer Signature: Date Signed: License: Phone:
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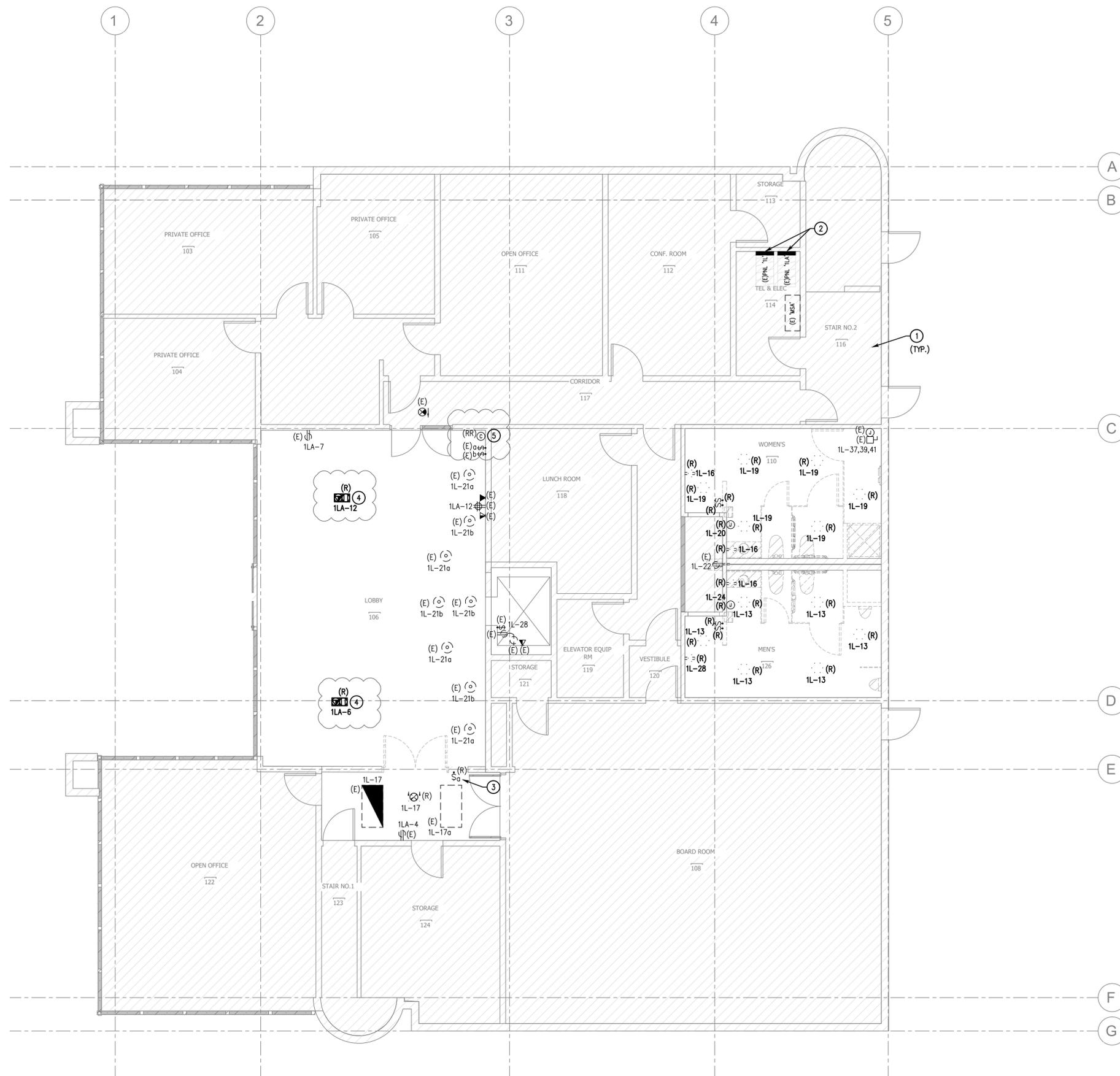
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JOB NO.: 3903	DRAWN BY: MV	CHECKED BY: MV	SCALE: As indicated
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T-24 COMPLIANCE FORMS
SAWPA
SANTA ANA WATERSHED PROJECT AUTHORITY

E-0.6





1 OVERALL DEMOLITION FLOOR
E-2.1 B/LBY = 1'-0"

SHEET NOTES

- 1 HATCH AREA NOT IN SCOPE OF WORK, ALL EXISTING ELECTRICAL FIXTURES TO REMAIN.
- 2 EXISTING PANEL TO REMAIN. DISCONNECT & REMOVE DEMOLISH LOAD-MARKED AS "R" FROM THE EXISTING CIRCUIT BREAKER. CONTRACTOR TO ENSURE CIRCUIT CONTINUITY OF OTHER EXISTING NEARBY FIXTURES.
- 3 DISCONNECT AND REMOVE EXISTING CONTROL FOR THIS SPACE.
- 4 DISCONNECT AND REMOVE EXISTING OUTLET AND PROVIDE A BLANK-PLATE.
- 5 DISCONNECT AND RELOCATE EXISTING CAMERA. SEE SHEET E-4.1 FOR NEW LOCATION. PULL NEW CABLE FROM EXISTING HEAD-END EQUIPMENT AS REQUIRED.

GENERAL NOTES

- 1. FIXTURES DENOTES (R) - FIXTURES TO BE REMOVED.
- 2. FIXTURES DENOTES (E) - FIXTURES TO BE REMAIN EXISTING.
- 3. ELECTRICAL CONTRACTOR SHALL INVESTIGATE PROJECT SITE TO DETERMINE ALL CONDITIONS WHICH MAY AFFECT THE EXECUTION OF HIS WORK. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THESE EXISTING CONDITIONS, AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK. HE SHALL BE RESPONSIBLE FOR DE-ENERGIZING CIRCUITS IN DEMOLITION AREAS TO ENSURE A SAFE CONDITION. MAINTAIN ELECTRICAL SERVICE TO THE EXISTING EQUIPMENT, SERVICES AND CIRCUITS AS REQUIRED. SCHEDULING OF SERVICE OUTAGES SHALL BE COORDINATED WITH ARCHITECT AND OWNER.
- 4. FOR ALL COMMUNICATION OUTLETS PROVIDE DOUBLE GANG BACK BOX WITH SINGLE GANG PLASTER RING. PROVIDE 1" CONDUIT TO 6" ABOVE ACCESSIBLE CEILING WITH 90° BEND AND CONDUIT BUSHING UNLESS OTHERWISE NOTED ON DRAWINGS. FOR NON-ACCESSIBLE CEILINGS, ROUTE CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE OR TO NEAREST COMMUNICATION CLOSET. PROVIDE BLANK COVER PLATES FOR ALL UNUSED BOXES.
- 5. PANELBOARD NAME AND CIRCUITS NUMBER ARE BASED ON AS-BUILTS DRAWINGS. CONTRACTOR SHALL FIELD-VERIFY, AS REQUIRED.
- 6. IN GENERAL, THE DEMOLITION PLAN SHOWS ALL EXISTING EQUIPMENT TO BE REMOVED; HOWEVER, ELECTRICAL EQUIPMENT, WHETHER SHOWN ON THIS DRAWINGS OR NOT THAT IS LOCATED IN REMOVED WALLS, FLOORS OR CEILINGS, SHALL BE REMOVED UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL MATERIAL WHICH WILL NOT BE REUSED. UNUSED CONDUITS SHALL BE CUT OFF AND PLUGGED FLUSH WITH SURFACES. EXISTING MATERIAL WHICH IS NOT TO BE REUSED OR IS NOT REQUIRED TO BE RETAINED BY OWNER SHALL BE REMOVED FROM SITE.
- 7. DISCONNECT AND REMOVE CIRCUITING BACK TO SOURCE OR NEAREST POINT PRACTICAL TO MAINTAIN ELECTRICAL CONTINUITY OF REMAINING DEVICES, EXTEND CONDUIT AND CONDUCTORS AS NECESSARY TO MAINTAIN CIRCUIT INTEGRITY.
- 8. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES, RECEPTACLES, ELECTRICAL EQUIPMENT, ETC., AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING, OR THE EXTENSION OF EXISTING CONDUIT AND FEEDERS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.
- 9. EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR WHERE EXISTING WALL, ETC., IS REMOVED. REMOVE CONDUCTORS FROM THIS POINT BACK TO LAST OUTLET REMAINING IN SERVICE.
- 10. WHERE EXISTING CIRCUITING IS DISTURBED BY DEMOLITION WORK, THE CONTRACTOR SHALL REWORK AND/OR EXTEND EXISTING CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO ALL REMAINING LOADS AFFECTED BY CIRCUIT.
- 11. IT SHALL BE THE RESPONSIBILITY FOR THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.
- 12. ALL ELECTRICAL FIXTURES, OUTLETS, DEVICES, ETC., THAT ARE REMOVED, SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRING BACK TO THE LAST FIXTURE, OUTLET, DEVICE, ETC., REMAINING IN SERVICE.
- 13. EXISTING CIRCUITS WHICH ARE REMOVED AND NOT REUSED SHALL BE IDENTIFIED ON THE PANEL SCHEDULE AS "SPARE".
- 14. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS IN AN "AS- FOUND" CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.
- 15. IN SOME INSTANCES, IT MAY BE NECESSARY FOR THE ELECTRICAL CONTRACTOR TO TEMPORARILY RELOCATE, REROUTE, ETC., EXISTING ELECTRICAL EQUIPMENT. THIS SHALL BE DONE SO THAT THE SYSTEMS IN ALL PHASES (THOSE COMPLETED AND THOSE YET TO BEGIN), ARE IN COMPLETE, OPERABLE, CONDITION AS CONSTRUCTION PROCEEDS THROUGH EACH PHASE.
- 16. ALL ABANDONED OUTLETS INCLUDING LIGHT, RECEPTACLES, TELEPHONE, ETC., SHALL BE COVERED AND PATCHED TO MATCH THE FINISH OF SURROUNDING WALL OR CEILING TO THE SATISFACTION OF THE OWNER.
- 17. ALL LIGHTING FIXTURES REMOVED TO ACCOMPLISH DEMOLITION WORK SHALL BE REINSTALLED SIMILAR TO NEW WORK.
- 18. WHERE EXISTING WALL TO BE REMOVED AND THERE ARE EXISTING CONDUIT FEEDS IN THESE WALL, IT IS THE CONTRACTOR'S RESPONSIBILITY TO DISCONNECT AND REMOVE THESE CONDUITS, AFFECTED BY THE REMODELED AREA. THIS WILL INCLUDE REROUTING WITH NEW CONDUITS AND WIRES (MATCH EXISTING), J-BOXES AND EXTENSION OF EXISTING CONDUITS WHERE NECESSARY TO MAINTAIN THE CONTINUITY OF EXISTING EQUIPMENT REMAINING.



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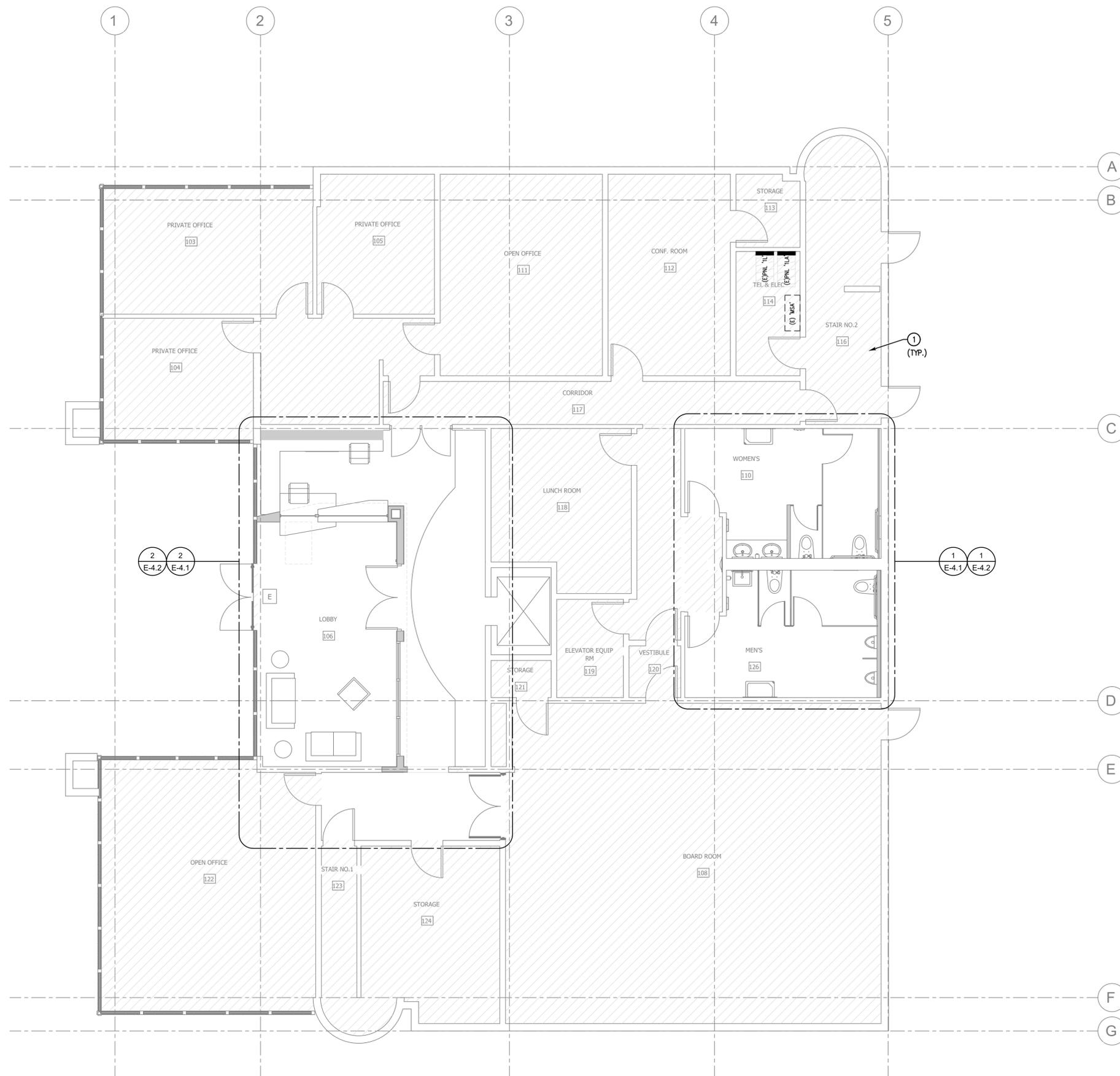
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OVERALL DEMOLITION FLOOR PLAN
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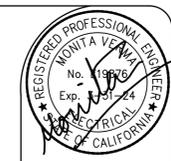


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SHEET NOTES

- ① HATCH AREA NOT IN SCOPE OF WORK, ALL EXISTING ELECTRICAL FIXTURES TO REMAIN.



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OVERALL PROPOSED FLOOR PLAN

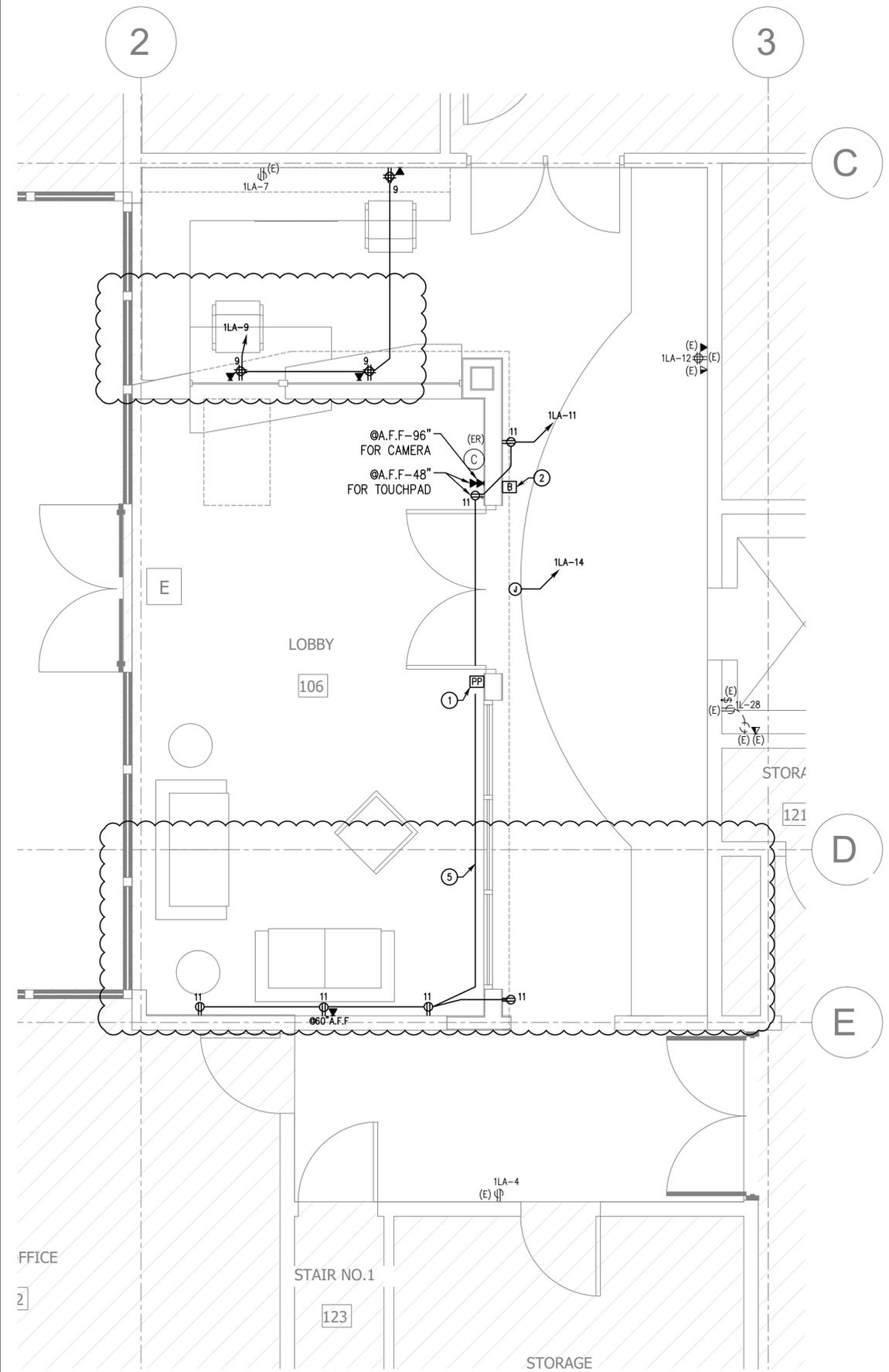
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E-3.1

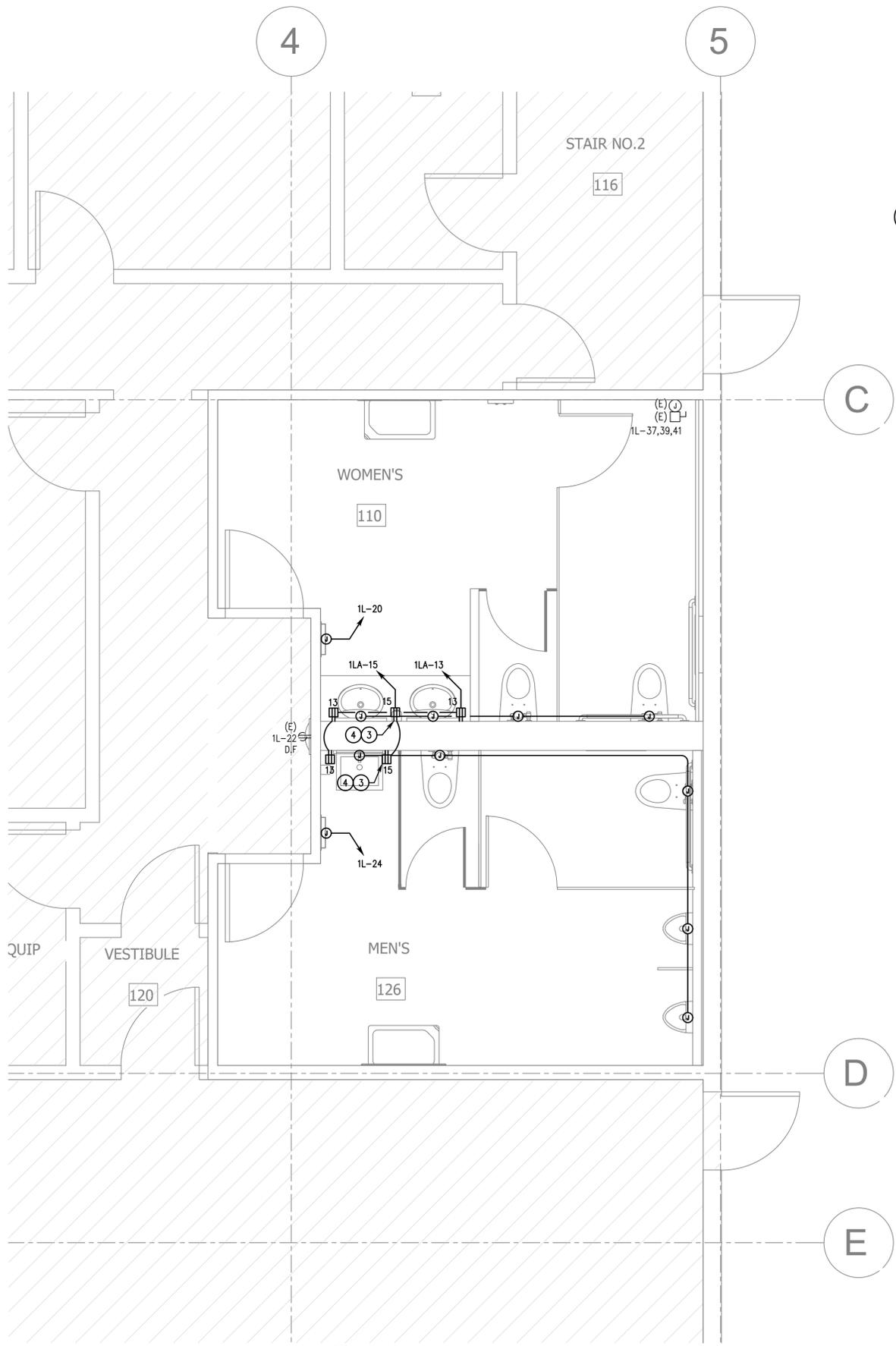
① OVERALL PROPOSED FLOOR
 E-3.1 **B/LPBY** = 1'-0"



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2 ENLARGED PROPOSED POWER PLAN - LOBBY
E-4.1 3/8" = 1'-0"



1 ENLARGED PROPOSED POWER PLAN - RESTROOM
E-4.1 3/8" = 1'-0"

- SHEET NOTES**
- 1 PROXIMITY PAD POWERED BY A THIN WIRE THAT RUNS ACROSS THE TOP OF THE NEW WALL FROM A P.O.C IN THE CEILING IN THE ADJACENT CONFERENCE ROOM. CONTRACTOR TO CONFIRM EXACT REQUIREMENTS WITH OWNER AT SITE.
 - 2 INSTALL PUSH BUTTON TO ALLOW VISITORS TO EXIT WITHOUT PROXIMITY CARD. POWERED BY A THIN WIRE. CONTRACTOR TO CONFIRM EXACT REQUIREMENTS WITH OWNER AT SITE.
 - 3 PROVIDE WALL RECEPTACLE BELOW FOR 120V AC TRANSFORMER FOR LAVATORY FAUCET AND SOAP DISPENSER. CONCEAL FROM VIEW.
 - 4 JUNCTION BOX FOR AUTOMATIC FLUSH SENSOR, 120V AC TRANSFORMER FOR FLUSH VALVE. ROUTE 1/2" CONDUIT CONCEALED IN WALLS FROM TRANSFORMER TO DEVICE FOR LOW VOLTAGE WIRE.
 - 5 RUN POWER CONDUIT IN THE 9' WALL. ALSO, PROVIDE (2) 3/4" CONDUITS FOR LOW VOLTAGE.



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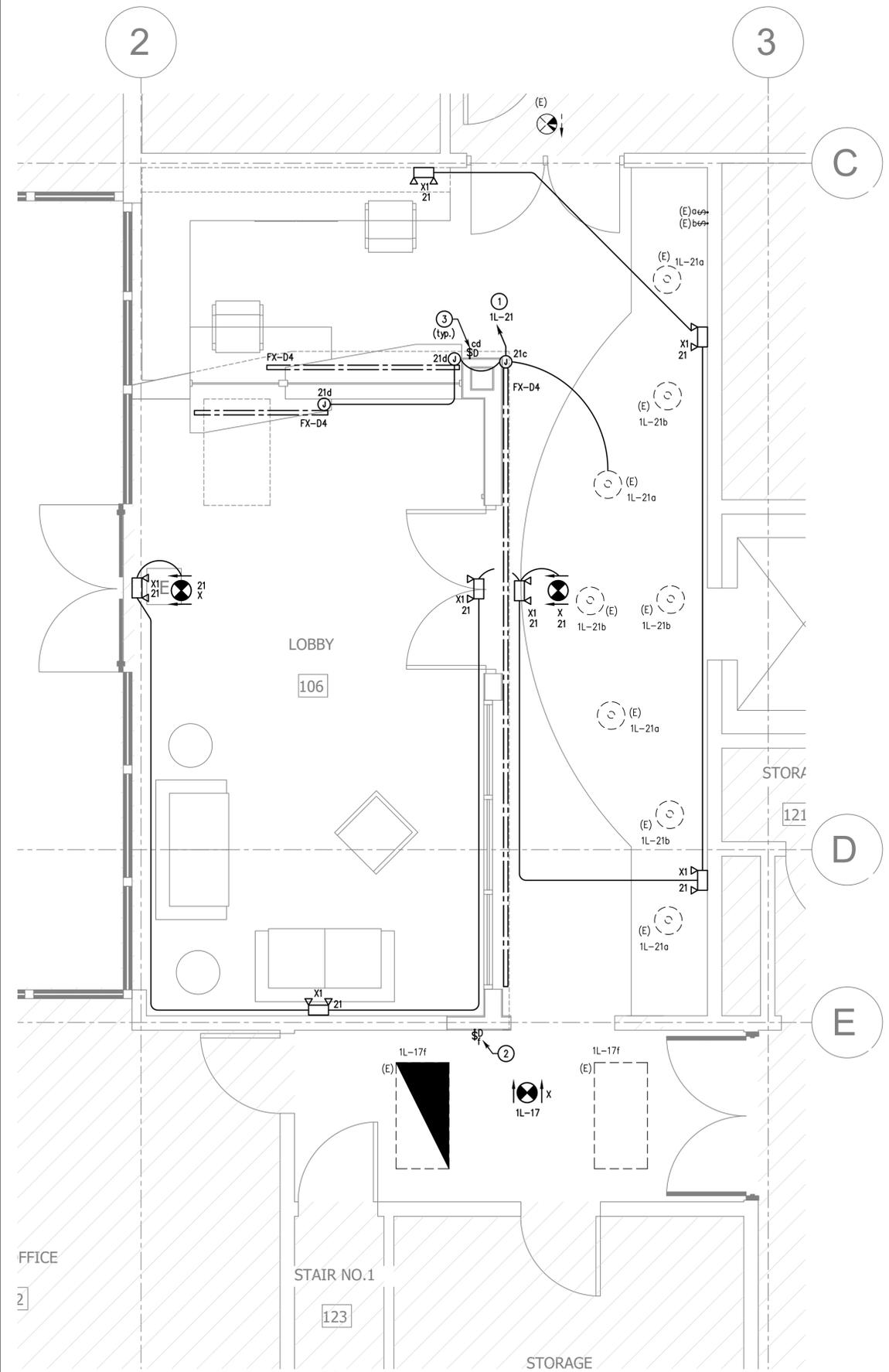
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ENLARGED PROPOSED POWER PLAN
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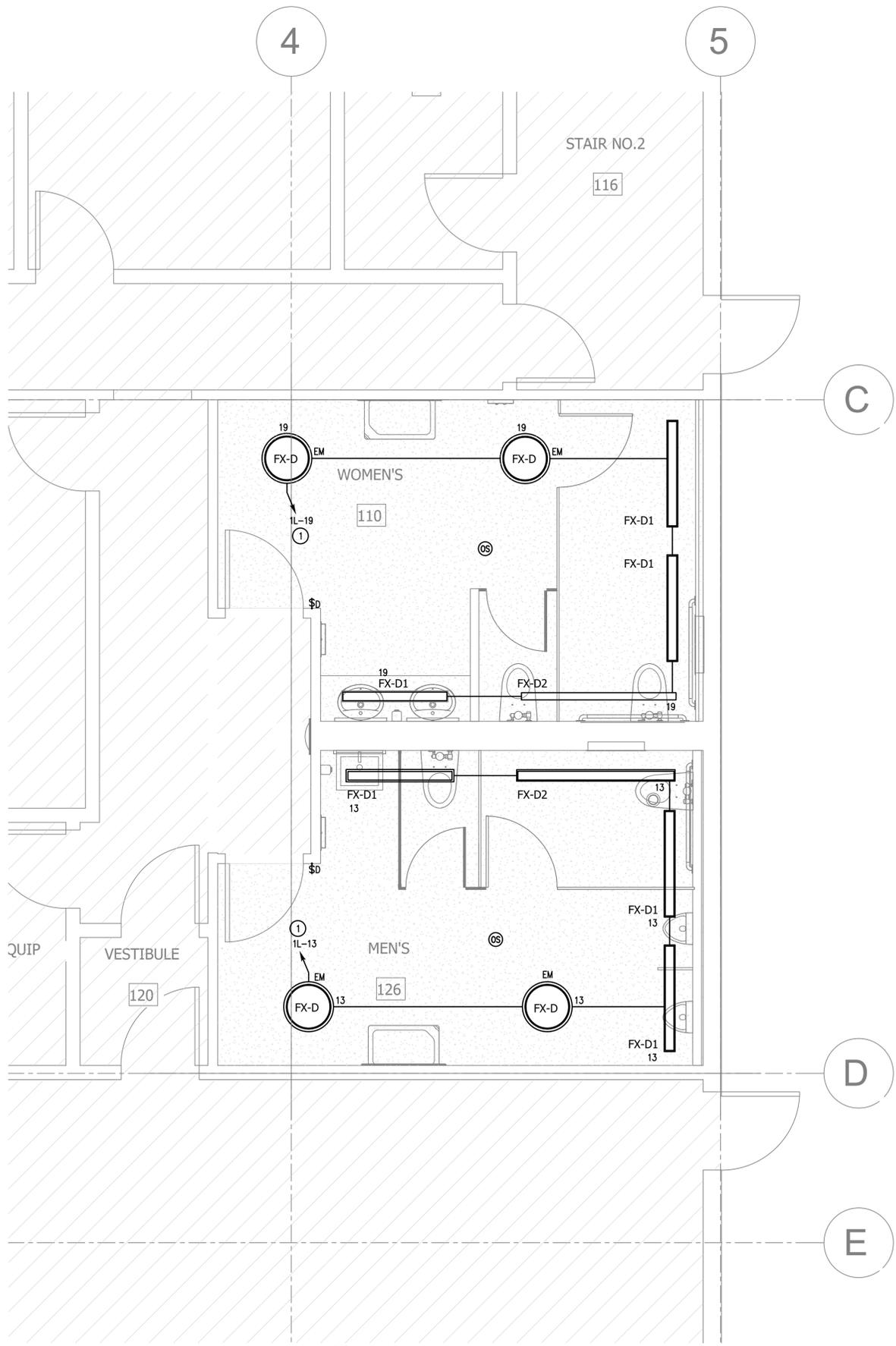
E-4.1



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2 ENLARGED PROPOSED LIGHTING PLAN - LOBBY
E-4.2 3/8" = 1'-0"



1 ENLARGED PROPOSED LIGHTING PLAN - RESTROOM
E-4.2 3/8" = 1'-0"

- SHEET NOTES**
- TO OTHER EXISTING NEARBY LIGHTS IN THE SAME CIRCUIT.
 - NEW CONTROL FOR EXISTING LIGHTS.
 - LOW VOLTAGE DIMMER SWITCH. REFER TO LIGHTING CONTROL DIAGRAM ON SHEET E0.5 FOR ADDITIONAL INFORMATION.

- GENERAL NOTES**
- LIGHT FIXTURES SHOWN WITH "EM" ARE PROVIDED WITH INTEGRALLY MOUNTED BATTERY BACK-UP FOR 90MIN OF ILLUMINATION UNDER NORMAL POWER LOSS.



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GENERAL NOTES

1. NOTE: FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT ARE DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY MATERIALS.
2. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS WITH ALL DISCIPLINES AND TRADES PRIOR TO SUBMITTAL OF BID AND INSTALLATION OF SYSTEM.
3. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS & LABOR (INCLUDING THE COMPLETE PLUMBING SYSTEM) FOR A PERIOD OF ONE YEAR FROM WRITTEN ACCEPTANCE BY THE OWNER. ANY DEFECTS IN MATERIALS & OR LABOR FOUND WITHIN THE GUARANTEE PERIOD SHALL BE REMEDIATED OR REPAIRED BY THIS CONTRACTOR IN A TIMELY FASHION, AT NO COST TO THE OWNER.
4. ALL PLUMBING FIXTURE LOCATIONS (WATER CLOSETS, LAVATORIES ETC.) ARE DIAGRAMMATIC & CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ADA COMPLIANT FIXTURES, EXACT LOCATIONS, MOUNTING HEIGHTS & COLOR.
5. ANY DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTAL OF BID AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. SUBMITTAL OF BID WILL VERIFY THAT THE CONTRACTOR HAS VISITED THE SITE.
7. PIPING SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. THE INSTALLATION SHALL MEET ALL CONSTRUCTION CONDITIONS AND ALLOW FOR THE INSTALLATION OF OTHER TRADES.
8. TRAP PRIMERS FOR FLOOR DRAINS AND FLOOR SINKS AND WATER HAMMER ARRESTORS TO BE INSTALLED AS PER THE LISTED PLUMBING CODE AND THE LATEST EDITION OF THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE 1010) SIZING AND INSTALLATION REQUIREMENTS.
9. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
10. ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE STATE ENERGY CODE.
11. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. ENSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED FOR POWER.
12. CONTRACTOR TO REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL WASTE, VENT & WATER CONNECTION SIZES AT EACH PLUMBING FIXTURE.
13. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE ALL CLEAN OUT LOCATIONS WITH EQUIPMENT, MILLWORK, ETC., PRIOR TO INSTALLATION.
14. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10'-0" FROM OR 3'-0" ABOVE ANY MECHANICAL EQUIPMENT OUTSIDE AIR INTAKE.
15. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS CONNECTED SUPPLY LINE UNLESS OTHERWISE NOTED ON DRAWINGS.
16. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
17. ALL UNDERGROUND METALLIC PIPE AND FITTINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS.
18. NO PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE, MASONRY WALLS, OR CONCRETE FOOTINGS.
19. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO START OF WORK.
20. VERIFY EXACT LOCATIONS, DEPTH AND SIZE OF ALL PIPING TO WHICH CONNECTIONS ARE REQUIRED. COORDINATE ALL CONNECTIONS WITH SITE CONDITIONS AND SITE UTILITY CONTRACTOR/ REPRESENTATIVE.
21. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING.
22. ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL UTILIZE MACHINE SAW CUTTING EQUIPMENT. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL UTILIZE CORE DRILLING EQUIPMENT. COORDINATE WITH ARCHITECTURAL DETAILS FOR FLOOR CUTTING AND PATCHING.
23. THE PLUMBING CONTRACTOR IS TO PROVIDE ALL ADDITIONAL STEEL, HANGER MATERIALS, RODS AND CLAMPS AS REQUIRED FOR COORDINATION WITH WORK OF OTHER TRADES.
24. PIPING LAYOUT IS SCHEMATIC ONLY, EXACT ROUTING AND INSTALLATION OF PIPES TO BE COORDINATED WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER CONTRACTORS.
25. NO LIQUID TRANSMISSION PLUMBING PIPING SHALL BE INSTALLED ABOVE ELECTRICAL SWITCH GEAR, EQUIPMENT, OR PANELS. MAKE ADJUSTMENTS NECESSARY TO REROUTE PIPING FOR ACTUAL INSTALLATION OF ELECTRIC EQUIPMENT.
26. WHENEVER FOUNDATION WALLS, EXTERIOR WALLS, ROOFS, ETC. ARE PENETRATED FOR THE INSTALLATION OF PLUMBING SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TIGHT.
27. PLUMBING CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF TURNOVER.
28. ALL EXTERIOR EXPOSED WATER PIPING SHALL BE INSULATED AND PVC JACKETED. SEAL JACKET PER MANUFACTURER'S REQUIREMENTS.
29. LABEL ALL SHUT-OFF VALVES ABOVE THE CEILING AND IN THE WALL WITH ACCESS DOORS.
30. ALL PIPE, PIPE FITTINGS, TRAPS, FIXTURE MATERIAL AND DEVICES USED IN THE PLUMBING SYSTEM SHALL BE LISTED OR THIRD PARTY CERTIFIED BY AN APPROVED LISTING AGENCY AND SHALL CONFORM TO APPLICABLE RECOGNIZED STANDARDS REFERENCED IN THE 2022 CALIFORNIA PLUMBING CODE.
31. THE LEAD CONTENT OF THE PIPES, PIPE OR PLUMBING FITTINGS AND FIXTURES INTENDED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION SHALL BE IN ACCORDANCE WITH SECTION 116875 OF THE HEALTH AND SAFETY CODE.
32. FLOOR AND TRENCH DRAINS SHALL BE IN ACCORDANCE WITH ASME A112.6.3A. FLOOR SINKS SHALL BE IN ACCORDANCE WITH ASME A112.6.7A.
33. GENERAL CONTRACTOR TO VERIFY PRESSURE ON SITE EARLY TO VERIFY IF BOOSTER PUMPS ARE REQUIRED.
34. EACH VENT SHALL RISE VERTICALLY TO A POINT NOT LESS THAN SIX(6) INCHES ABOVE THE FLOOD LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZONTALLY OR BEFORE BEING CONNECTED TO ANY OTHER VENT.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	AIR	CD	CONDENSATE DRAIN	D	AUTHORITY	FT HD	FEET OF HEAD	ID	INSIDE DIAMETER	OD	OVERFLOW DRAIN
ABV	ABOVE	CCO	CEILING CLEANOUT	DEG.	DEGREES	G	GAS	IN.	INCH	PERCENT	TYP
AD	ACCESS DOOR	CFH	CUBIC FEET PER HOUR	DIA.	DIAMETER	GAL	GALLON, GALLONS	IN WG	INCHES OF WATER	PD	PUMP DISCHARGE
ADA	AMERICANS WITH DISABILITIES ACT	CHW	CHILLED WATER	DN	DOWN	GI	GREASE	IN	INCHES	PNEU	PNEUMATIC
AFF	ABOVE FINISHED FLOOR	CHWS	CHILLED WATER SUPPLY	DW	DISH WASHER	GPH	GALLONS PER HOUR	IWH	INSTANTANEOUS WATER HEATER	PLBG	PLUMBING
AP	ACCESS PANEL	CLNG	CEILING	EJ	EJECTOR DISCHARGE	GPM	GALLONS PER MINUTE	KS	KITCHEN SINK	PRV	PRESSURE REDUCING VALVE
ARCH	ARCHITECTURAL	CO	CARBON MONOXIDE	FD	FLOOR DRAIN	GR	GAS RANGE	KW	KILOWATTS	PSI	POUNDS PER SQUARE INCH
BD	BIDET	CS	COMPARTMENT SINK	ET	EXISTING	GW	GREASE WASTE	L	LENGTH	RD	ROOF DRAIN
BFP	BACKFLOW PREVENTER	CO2	CARBON DIOXIDE	E	EXPANSION TANK	GW	GAS WATER HEATER	LAV	LAVATORY	RF	ROOF FLASHING
BLW	BELOW	CP	CIRCULATING PUMP	EX	EXISTING	H	HEIGHT	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR	SF	SQUARE FEET
BLD	BUILDING	CR	COMPUTER ROOM	EX	EXISTING	HB	HOSE BIB	SH	SHOWER	SOO	SEQUENCE OF OPERATION
BMS	BUILDING MANAGEMENT SYS	AC	AIR CONDITIONER	F	DEGREES FAHRENHEIT	HS	HAND SINK	SO	SQUARE FOOT	SP	STATIC PRESSURE
BD	BASIS OF DESIGN	CT	COOLING TOWER	FD	FLOOR CLEANOUT	HW	HOT WATER	MFR	MECHANICAL MANUFACTURER	SQ FT	SQUARE FOOT
BT	BRITISH THERMAL UNIT	CW	COLD WATER	FD	FLOOR DRAIN	HW	HOT WATER RETURN	MFR	MECHANICAL MANUFACTURER	SP	STATIC PRESSURE
BTU	BRITISH THERMAL UNITS PER HOUR	CWR	CONDENSER WATER	FS	FLOOR SINK	HW	HOT WATER RETURN	MFR	MECHANICAL MANUFACTURER	SP	STATIC PRESSURE
		CWS	CONDENSER WATER SUPPLY	FLR	FLOOR	HW	HOT WATER RETURN	MFR	MECHANICAL MANUFACTURER	SP	STATIC PRESSURE
		CX	COMMISSIONING	FLX	FLEXIBLE	HP	HORSEPOWER	N/A	NOT APPLICABLE	STD	STANDARD
		CxA	COMMISSIONING	FPM	FEET PER MINUTE	HTG	HEATING	NC	NORMALLY CLOSED	TEMP	TEMPERATURE
				FPS	FEET PER SECOND	HZ	HERTZ (CYCLES PER SECOND)	NIC	NOT IN CONTRACT	TEMP	TEMPERATURE
				FT.	FOOT, FEET			NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	TP	TRAP PRIMER
								TSP	TOTAL STATIC		

GREEN BUILDING CODE REQUIREMENTS

(NOT ALL NOTES MAY APPLY)

1. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF LAND SHALL PREVENT THE POLLUTION OF STORM WATER RUNOFF FROM THE CONSTRUCTION ACTIVITIES THROUGH ONE OR MORE OF THE FOLLOWING MEASURES (SECTION 5.106.1):
 - A) BEST MANAGEMENT PRACTICES (BMP). PREVENT THE LOSS OF SOIL THROUGH WIND OR WATER EROSION BY IMPLEMENTING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROL AND GOOD HOUSEKEEPING BMP. SEE SECTION 5.106.1.2 FOR SPECIFICS.
 - B) LOCAL ORDINANCE.
2. THE SITE GRADING OR A DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. CGBC SECTION 5.106.10.
3. LANDSCAPE IRRIGATION SYSTEMS SHALL BE DESIGNED TO PREVENT SPRAY ON STRUCTURES. EXTERIOR ENTRIES SUBJECT TO FOOT TRAFFIC OR WIND-DRIVEN RAIN SHALL BE DESIGNED TO PREVENT WATER INTRUSION INTO THE BUILDING. CGBC SECTION 5.407.2.2.1.
4. THE CONTRACTOR MUST SUBMIT TO THE ENGINEERING DEPARTMENT OR OTHER AGENCY THAT REGULATES CONSTRUCTION WASTE MANAGEMENT A WASTE MANAGEMENT PLAN THAT OUTLINES THE ITEMS LISTED IN CGBC SECTION 5.408.1.1.
5. A MINIMUM OF 65% OF CONSTRUCTION WASTE IS TO BE RECYCLED. CGBC SECTION 5.408.1.3 DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE. CGBC SECTION 5.408.1.4.
6. 100% OF TREES, STUMPS, ROCKS, AND ASSOCIATED VEGETATION AND SOILS PRIMARILY FROM THE CONSTRUCTION WILL BE REUSED OR RECYCLED. CGBC SECTION 5.408.3.
7. AN IDENTIFIED, READILY ACCESSIBLE AREA SHALL BE PROVIDED THAT SERVES THE ENTIRE BUILDING FOR COLLECTING RECYCLING, SUCH AS PAPER, CARDBOARD, GLASS, PLASTICS, METALS, ETC. CGBC SECTION 5.410.1.
8. A BUILDING 'SYSTEMS MANUAL' AS LISTED IN CGBC SECTION 5.410.2.5 SHALL BE DELIVERED TO THE BUILDING OWNER OR REPRESENTATIVE AND THE FACILITIES OPERATOR. THE 'SYSTEMS MANUAL' SHALL CONTAIN THE REQUIRED FEATURES LISTED IN CGBC SECTION 5.410.2.5.1.
9. DURING CONSTRUCTION, ENDS OF DUCT OPENINGS ARE TO BE SEALED, AND MECHANICAL EQUIPMENT IS TO BE COVERED. CGBC SECTION 5.504.3.
10. VOCs MUST COMPLY WITH THE LIMITATIONS LISTED IN SECTION 5.504.4 AND TABLES 4.504.1, 5.504.4.1, 5.504.4.2, 5.504.4.3 AND 5.504.4.5 FOR: ADHESIVES, SEALANTS, PAINTS AND COATINGS, CARPET AND COMPOSITION WOOD PRODUCTS. CGBC 5.504.4.
11. WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, SUCH AREAS ARE PROHIBITED WITHIN 25' OF BUILDING ENTRIES, WINDOWS AND OUTDOOR AIR INTAKES. SIGNAGE SHALL BE POSTED TO INFORM OCCUPANTS OF THE PROHIBITIONS. CGBC SECTION 5.504.7.
12. WALL AND FLOOR ASSEMBLIES SEPARATING TENANT SPACES (AND TENANT SPACES FROM PUBLIC SPACES) SHALL HAVE AN STC OF AT LEAST 40. CGBC SECTION 5.507.4.3.
13. WALL AND ROOF ASSEMBLIES EXPOSED TO NOISE SOURCES SHALL HAVE AN STC RATING OF AT LEAST 50, WITH EXTERIOR WINDOWS HAVING A MINIMUM STC OF 40 IN THE FOLLOWING LOCATIONS, PER CGBC SECTION 5.507.4.1:
 - A) WITHIN THE 65 CNEL NOISE CONTOUR OF A FREEWAY, RAILROAD OR INDUSTRIAL SOURCE, AS DETERMINED BY THE JURISDICTION'S NOISE ELEMENT OF THE GENERAL PLAN.
 - B) WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT.
14. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS WILL NOT CONTAIN CFC'S OR HALONS, PER CGBC 5.508.1.
15. FOR NEW BUILDINGS, SHOW ON THE SITE UTILITY PLAN SEPARATE SUB-METERS PER CGBC SECTION 5.303.1 FOR THE FOLLOWING:
 - (A) EACH LEASED OR OWNED SPACE THAT CONSUMES MORE THAN 100 GAL/DAY
 - (B) TENANT SPACES CONTAINING LAUNDRY, CLEANERS, RESTAURANT, MEDICAL/DENTAL OFFICE, LABORATORY OR BEAUTY/BARBER SHOPS.
16. THE FOLLOWING MAXIMUM FIXTURE FLOW RATES FROM TABLE 5.303.2.3 AND SECTION 5.303.3, AS SHOWN BELOW. REVISE GENERAL NOTES, PLUMBING PLANS, ETC. TO MATCH. CGBC 5.303.

MAXIMUM FIXTURE FLOW RATES	MAXIMUM FLOW RATE
FIXTURE TYPE	
LAVATORY FAUCETS-NONRESIDENTIAL	0.5 GPM @60 PSI
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
METERING FAUCETS	0.2 GALLONS/CYCLE
WATER CLOSETS	1.28 GALLONS/FLUSH
URINALS	0.125 GALLONS/FLUSH
17. A WATER BUDGET SHALL BE DEVELOPED FOR LANDSCAPE IRRIGATION USE THAT CONFORMS TO THE LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE. WHERE NO LOCAL ORDINANCE EXISTS, SHOW COMPLIANCE WITH THE CALIFORNIA DEPARTMENT OF WATER RESOURCES MODEL WATER EFFICIENT LANDSCAPE ORDINANCE. SEE SECTIONS 492.5 THROUGH 492.9, 492.10 AND 492.11 OF THE STATE ORDINANCE AT HTTP://WWW.WATER.CA.GOV/WATERUSEEFFICIENCY/DOCS/WATERORDSEC492.CFM.
18. FOR NEW WATER SERVICE (OR ADDITIONS/ALTERATIONS WITH > 1,000 SQUARE FEET OF CUMULATIVE LANDSCAPED AREA), SEPARATE SUBMETERS OR METERING DEVICES SHALL BE INSTALLED FOR OUTDOOR POTABLE WATER USE. ALSO, IRRIGATION CONTROLLERS AND SENSORS SHALL BE INSTALLED. CGBC SECTIONS 5.304.2 AND 5.304.3.
19. MECHANICALLY VENTILATED BUILDINGS SHALL PROVIDE REGULARLY OCCUPIED AREAS WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. CGBC SECTION 5.504.5.3. EXCEPTION: EXISTING MECHANICAL EQUIPMENT.
20. PRIOR TO FINAL INSPECTION THE LICENSED CONTRACTOR, ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE OF THE OVERALL CONSTRUCTION MUST PROVIDE TO THE BUILDING DEPARTMENT OFFICIAL WRITTEN VERIFICATION THAT ALL APPLICABLE PROVISIONS FROM THE GREEN BUILDING STANDARDS CODE HAVE BEEN IMPLEMENTED AS PART OF THE CONSTRUCTION. CGBC SECTION 102.3.

APPLICABLE CODES

- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA FIRE CODE
- 2022 CALIFORNIA ENERGY CODE.
- 2022 CALIFORNIA GREEN BUILDING CODE.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	CP	RECIRCULATION PUMP
	AAV	AUTOMATIC AIR VENTING
	U	UNION
	WHA	WATER HAMMER ARRESTER WITH ACCESS PANEL
	TP	TRAP PRIMER WITH ACCESS PANEL
		PIPE UP
		PIPE DOWN
	FCO	FLOOR CLEAN OUT
	GCO	GRADE CLEAN OUT
	SCO	2-WAY SERVICE CLEAN OUT
	WCO/CCO	WALL CLEAN OUT/ CEILING CLEAN OUT
	HB	HOSE BIBB
	POC	POINT OF CONNECTION
	FD	FLOOR DRAIN
	AP	ACCESS PANEL
	XXX	TEXT
	XXX	ARROW MULTI LEADER
	XXX	DOT MULTI LEADER
	XXX	LOOP MULTI LEADER
	POD	POINT OF DISCONNECTION
	①	NEW KEYNOTE ARROW
	①	NEW KEYNOTE LOOP
	①	EQUIPMENT TAG
	①	DEMOLITION KEYNOTE ARROW
	①	DEMOLITION KEYNOTE LOOP
	FFE	FINISHED FLOOR ELEVATION
	IE	INVERT ELEVATION
	FU	FIXTURE UNIT
	S=2%	SLOPE DIRECTION

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S	SANITARY WASTE
	V	SANITARY VENT
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
	G	LOW PRESSURE GAS
	MPG	MEDIUM PRESSURE GAS (5 PSI)
	CD	CONDENSATE DRAIN
	SD	STORM DRAIN
	OD	OVERFLOW STORM DRAIN
	VTR	VENT THRU ROOF
	SOV	VERTICAL SHUT-OFF VALVE
	SOV	SHUT-OFF VALVE
	PRV	PRESSURE REDUCING VALVE
		PRESSURE GAUGE
		THERMOMETER
	BAV	BALL VALVE
	CV	CHECK VALVE
	BV	BALANCING VALVE
		GAS COCK
	TMV	THERMOSTATIC MIXING VALVE
		SHUTOFF VALVE IN YARD BOX
		SHUTOFF VALVE IN YARD BOX -SITE PLAN
		FLOW DIRECTION
		FLOOR SINK
		CONTINUATION
		TRAP
	IWH	INSTANTANEOUS WATER HEATER

PIPE INSULATION THICKNESS

CALIFORNIA ENERGY CODE 2022 TABLE 120.3-A

FLUID OPERATING TEMPERATURE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE DIAMETER (IN INCHES)				
	CONDUCTIVITY (Btu · in / h · ft ² · °F)	MEAN RATING TEMPERATURE (°F)	< 1	1 TO < 1.5	1.5 TO < 4	4 TO < 8	8 AND LARGER
105-140	0.22-0.28	100	MINIMUM PIPE INSULATION REQUIRED (THICKNESS IN INCHES OR R-VALUE)				
			INCHES				
			1.0	1.5	1.5	1.5	1.5
			R-VALUE				
			R-7.7	R-12.5	R-11	R-9	R-8

PIPING MATERIALS

SYSTEM TYPE	DESCRIPTION
DOMESTIC WATER PIPE	A: COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN. 1. FITTINGS: ASME B16.18, CAST COPPER ALLOY OR ASTM B16.22, WROUGHT COPPER AND BRONZE. 2. MECHANICAL PRESS SEALED FITTINGS: NSF/ANSI 61, DOUBLE PRESTRESSED TYPE AND UTILIZING EPDM SEALING ELEMENT. 3. JOINTS: ASTM B32, ALLOY GRADE Sb5 TIN-ANTIMONY, OR ALLOY GRADE Sn95 TIN-SILVER, LEAD FREE SOLDER AWS A5.8 CLASSIFICATION BcUp-3 OR BcUp-4 SILVER BRAZED.
SANITARY SEWER PIPE	A: CAST IRON PIPE: CISPI 301, HUBLESS, SERVICE EIGHT 1. FITTINGS: CAST IRON, CISPI 301 2. JOINTS: CISPI 310, NEOPRENE GASKETS AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.
VENT PIPE(PLASTIC)	1. BELOW AND ABOVE GRADE INSIDE BUILDING SCHEDULE 40 PVC ASTM D2665. UNDERGROUND INSTALLATION MUST COMPLY WITH ASTM-D2321.

SHEET INDEX

SHEET NO.	DESCRIPTION
P-0.1	GENERAL NOTES, LEGEND, & SHEET INDEX
P-0.2	CALCULATIONS & SCHEDULES
P-2.1	OVERALL DEMOLITION PLAN
P-3.1	OVERALL PROPOSED PLAN
P-4.1	ENLARGED PROPOSED PLAN
P-5.0	PLUMBING DETAILS
P-6.0	PLUMBING RISER DIAGRAM



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GENERAL NOTES, LEGEND, & SHEET INDEX
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VALVES SCHEDULE										
MARK	MAKE	MODEL	SERVICE	LOCATION	QTY	TYPE	FLOW GPM	PIPE SIZE	VALVE SIZE	REMARKS
TMV-1	CASH ACME	HEATGUARD 145LF SERIES	DOMESTIC HOT WATER TEMPERING	RESTROOM LAVATORY	2	POINT-OF-USE	0.5 MIN - 5.5 MAX	3/4"	-	POINT-OF-USE THERMOSTATIC MIXING VALVE SERVING PUBLIC LAVATORIES. SET AT 120°F. CERTIFIED TO ASSE 1017, ASSE 1070 AND CSA B125.3

EXISTING FIXTURE UNIT CALCULATION					
FIXTURES		F.U. EACH		TOTAL F.U.	
		WASTE	WATER	WASTE	WATER
EXISTING WATER CLOSET	3	4.0	3.0	12.0	9.0
EXISTING LAVATORY	2	1.0	1.0	2.0	2.0
EXISTING URINAL	1	2.0	5.0	2.0	5.0
EXISTING DISHWASHER	1	2.0	2.0	2.0	2.0
EXISTING SINK	1	2.0	2	2.0	2.0
TOTAL FIXTURE UNITS				20.0	20.0

FIXTURE UNIT CALCULATION FOR NEW FIXTURES					
FIXTURES		F.U. EACH		TOTAL F.U.	
		WASTE	WATER	WASTE	WATER
WATER CLOSET (FLUSH VALVE)	4	4.0	15.0	16.0	60.0
LAVATORY	3	1.0	1.0	3.0	3.0
URINAL (WATER LESS TYPE)	2	2.0	-	4.0	-
BOTTLE	1	2.0	1	2.0	1.0
FLOOR DRAIN	2	2.0	-	4.0	-
TOTAL FIXTURE UNITS				29.0	64.0

NOTE: FLUSHMETER VALVES FIXTURE UNIT IS BASE ON 2022 CPC TABLE 610.10

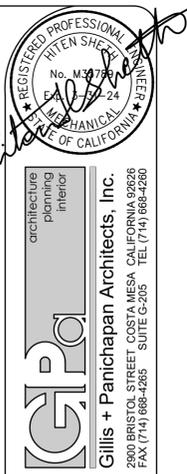
TOTAL FIXTURE UNIT CALCULATION			
FIXTURES	TOTAL F.U.		
	WASTE	WATER	
EXISTING FIXTURES	20.0	20.0	
NEW FIXTURES	4.0	64.0	
TOTAL FIXTURE UNITS		24.0	84.0
EQUIVALENT FLOW RATE (GPM)		64	

DOMESTIC WATER PIPE SIZING CHART			
PIPE SIZES	FIXTURE UNITS		
	HOT WATER	COLD WATER FLUSH TANK	COLD WATER FLUSH VALVE
1/2"	1	1	0
3/4"	7	7	0
1"	16	18	0
1 1/4"	28	34	5
1 1/2"	46	66	20
2"	119	245	124
2 1/2"	245	455	329

BASE ON 5.0 PSI ALLOWABLE FRICTION LOSS / 100 FT OF PIPE AND AT 8 F.P.S (CW) 5 F.P.S. (HW)

PLUMBING EQUIPMENT SCHEDULE						
MARK	FIXTURE/EQUIPMENT	PIPING CONNECTION				DESCRIPTION
		SOIL OR WASTE	VEN T	COLD WATER	HOT WATER	
WC-1	WATER CLOSET FLUSH VALVE	4"	2"	1 1/2"	-	"SLOAN" MODEL WETS 2020.1411, ST-2029 WATER CLOSET AND ECOS 111 FLUSHMETER; WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNTED, PROVIDE WITH "SLOAN" TOILET SEAT WITH OPEN FRONT. FLUSH VOLUME: 1.28 GPF (4.8 LPF), INFRARED SENSOR WITH MULTIPLE-FOCUSED, LOBULAR SENSING FIELDS FOR HIGH AND LOW TARGET DETECTION.
L-1	WOMEN'S LAVATORY	2"	1 1/2"	3/4"	3/4"	"KOHLER" MODEL: K-2214-0 UNDERMOUNT LAVATORY, VITREOUS CHINA, RECTANGULAR BASIN WITH CURVED BOTTOM, WITH OVERFLOW DRAIN, PROVIDE WITH FAUCET; "SLOAN" EAF-100, POLISHED CHROME FINISH, INFRARED SENSOR TYPE, IN A 0.35 GPM SETTING.
L-2	MEN'S LAVATORY	2"	1 1/2"	3/4"	3/4"	"SLOAN" MODEL: SS-3806-STG WALL HUNG LAVATORY, VITREOUS CHINA. PROVIDE WITH FAUCET; "SLOAN" EAF-100, POLISHED CHROME FINISH, INFRARED SENSOR TYPE, IN A 0.35 GPM SETTING.
(E)S	EXISTING SINK	-	-	-	-	EXISTING SINK
UR-1	WATER FREE URINAL	2"	1 1/2"	-	-	"SLOAN" MODEL WES-4000 VITREOUS CHINA WATER FREE URINAL, 2" NPT OUTLET FLANGE & UNI-COUPLER KIT, NOMINAL DIMENSIONS: 14" X 15 3/8" X 22 3/8".
FD-1	FLOOR DRAIN	2"	1 1/2"	1/2" TPL	-	"WATTS" PRONTO FD-1190-PR EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, POST-POUR ADJUSTABLE ROUND HEEL PROOF STAINLESS STEEL STRAINER WITH INTEGRATED BUBBLE LEVEL, LEVELING SHIMS, AND NO HUB (STANDARD) OUTLET
TP-1	TRAP PRIMER	-	-	-	-	WATTS LFTP300-DR PRESSURE DROP ACTIVATED LEAD FREE, BRASS TRAP PRIMER WITH EPDM SEALS, INTEGRAL AIR GAP, AND 1/2" SWEAT OR NPT THREADED CONNECTIONS. OPERATING PRESSURE 25 PSI-125 PSI. TESTED AND APPROVED IN CONFORMANCE WITH ASSE STANDARD 1018. SPECIFY MODEL LFTP300-DU-DR FOR DISTRIBUTION UNIT.
BE-1	BOTTLE FILLER	2"	1 1/2"	1/2"	-	APPROVED BY OWNER/ARCHITECT.
WCO, ECO, COIG, CO	CLEAN OUTS	-	-	-	-	WALL CLEAN OUT: "WATTS" MODEL: CO-590-RD FLOOR CLEANOUT: "WATTS" MODEL: CO-200-RX MUST BE FLUSHED TO SURFACE. CLEAN OUT TO GRADE: "WATTS" MODEL: CO-1190-PR MUST BE FLUSHED TO SURFACE. CLEAN OUT: "WATTS" MODEL: CO6

NOTES:
 ALL FIXTURES TO BE WHITE AND TRIM TO BE POLISHED CHROME FINISH UNLESS NOTED OTHERWISE.
 PROVIDE BRASSCRAFT HEAVY PATTERN ANGLE STOPS FOR ALL FIXTURES IN PUBLIC AREAS AND BRASSCRAFT SPEEDWAY STOPS AT ALL OTHER LOCATIONS.
 FIXTURES AND TRIM SHALL BE AS NOTED OR EQUAL, COMPLY WITH CALIFORNIA LEED PLUMBING CODE AND APPROVED BY OWNER.
 ALL HANDICAP LAVATORIES & SINKS SUPPLY AND DRAIN PIPES SHALL BE INSULATED OR OTHERWISE BE CONFIGURED TO PROTECT AGAINST CONTACT. PROTECTORS, INSULATORS, OR BOTH SHALL COMPLY WITH ASME A112.18.9. 403.3
 FIXTURES AND FITTINGS THAT ARE INTENDED TO DELIVER POTABLE WATER FOR HUMAN CONSUMPTION SHALL BE LEAD FREE.



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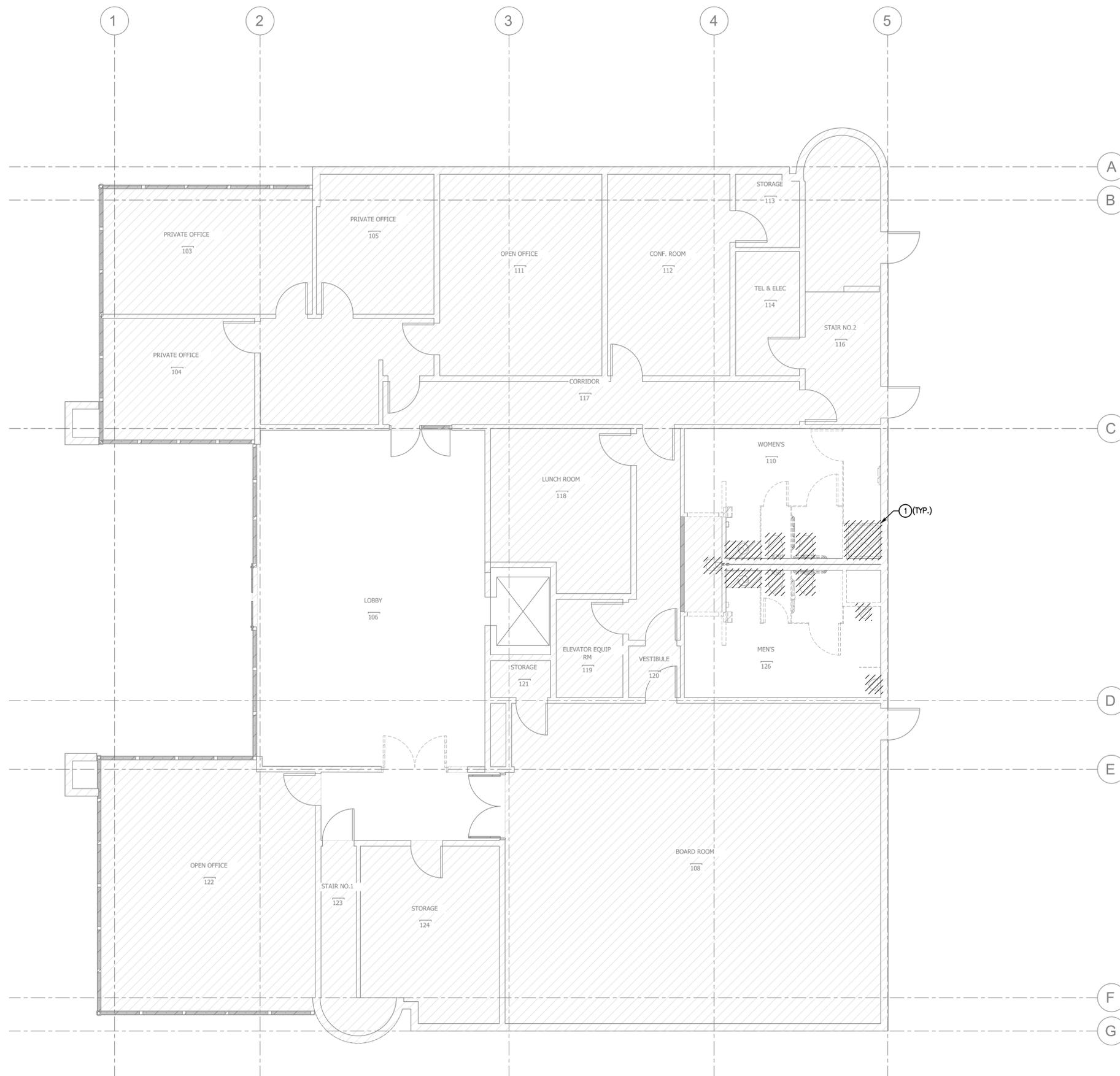
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CALCULATIONS & SCHEDULES

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SHEET NOTES

- 1 EXISTING PLUMBING FIXTURES TO BE REMOVE AND DEMOLISHED.



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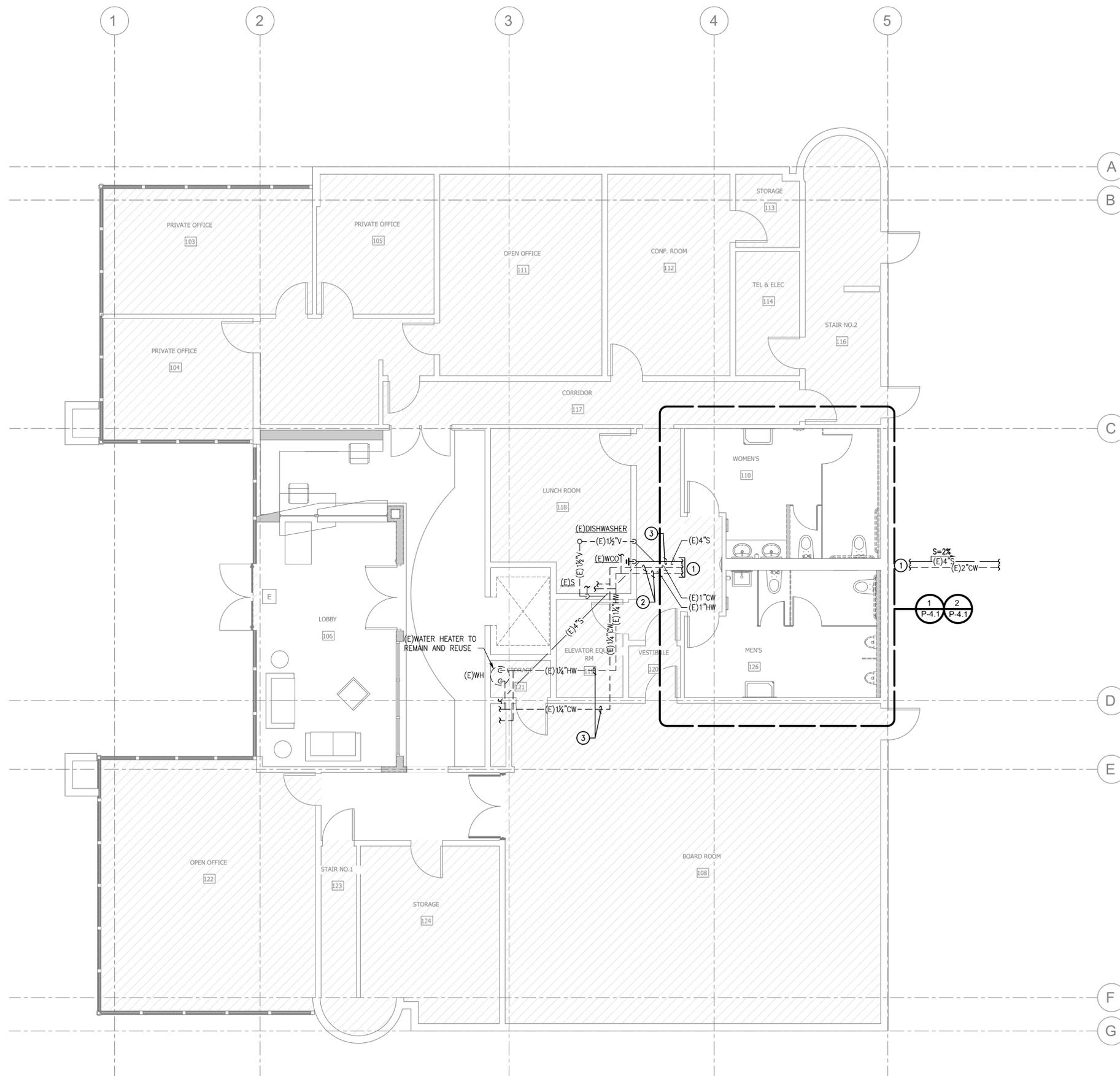
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OVERALL DEMOLITION PLAN
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1 OVERALL DEMOLITION PLAN
 P-2.1 3/16" = 1'-0"

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 www.h2sengineers.com



SHEET NOTES

- ① SEE SHEET P-4.1 FOR CONTINUATION.
- ② PIPING BELOW GRADE.
- ③ PIPING AT HIGH LEVEL INSIDE CEILING SPACE.

GENERAL SHEET NOTES

- 1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE NECESSARY OFFSETS OF PIPING, FITTING & APPURTENANCES THAT HAVE TO BE REMOVED, CAPPED OR REROUTED.
- 2. FOR CLARITY, NOT ALL EXISTING WORK IS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES, LOCATION, SIZE, INVERT ELEVATIONS, PRESSURE AND AVAILABILITY PRIOR TO START ON ANY WORK.
- 3. ALL WALL, FOOTING AND FLOOR PENETRATION SHALL BE CAULKED WITH FIRE PROOF IN AND APPROVED MANNER BY CALIFORNIA BUILDING CODE.
- 4. DEMOLISH/ REMOVE & PATCH EXISTING MATERIALS, ITEMS, OR FINISHES AS NECESSARY TO PERFORM NEW WORK WHERE INDICATED. PATCH EXISTING WALL/FLOOR TO MATCH ADJACENT MATERIALS/FINISHES.
- 5. ALL VENTS SHALL BE MIN. 10" AWAY FROM AC UNIT AIR INTAKE.
- 6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
- 7. ALL SEWER LINES RUN @ SLOPES LESS THAN 2% ARE SUBJECT TO FIELD APPROVAL OF PLUMBING INSPECTOR.
- 8. WASTE PIPE SIZES THAT ARE 3 INCHES OR SMALLER SHALL BE EVALUATED AT 2% SLOPE.



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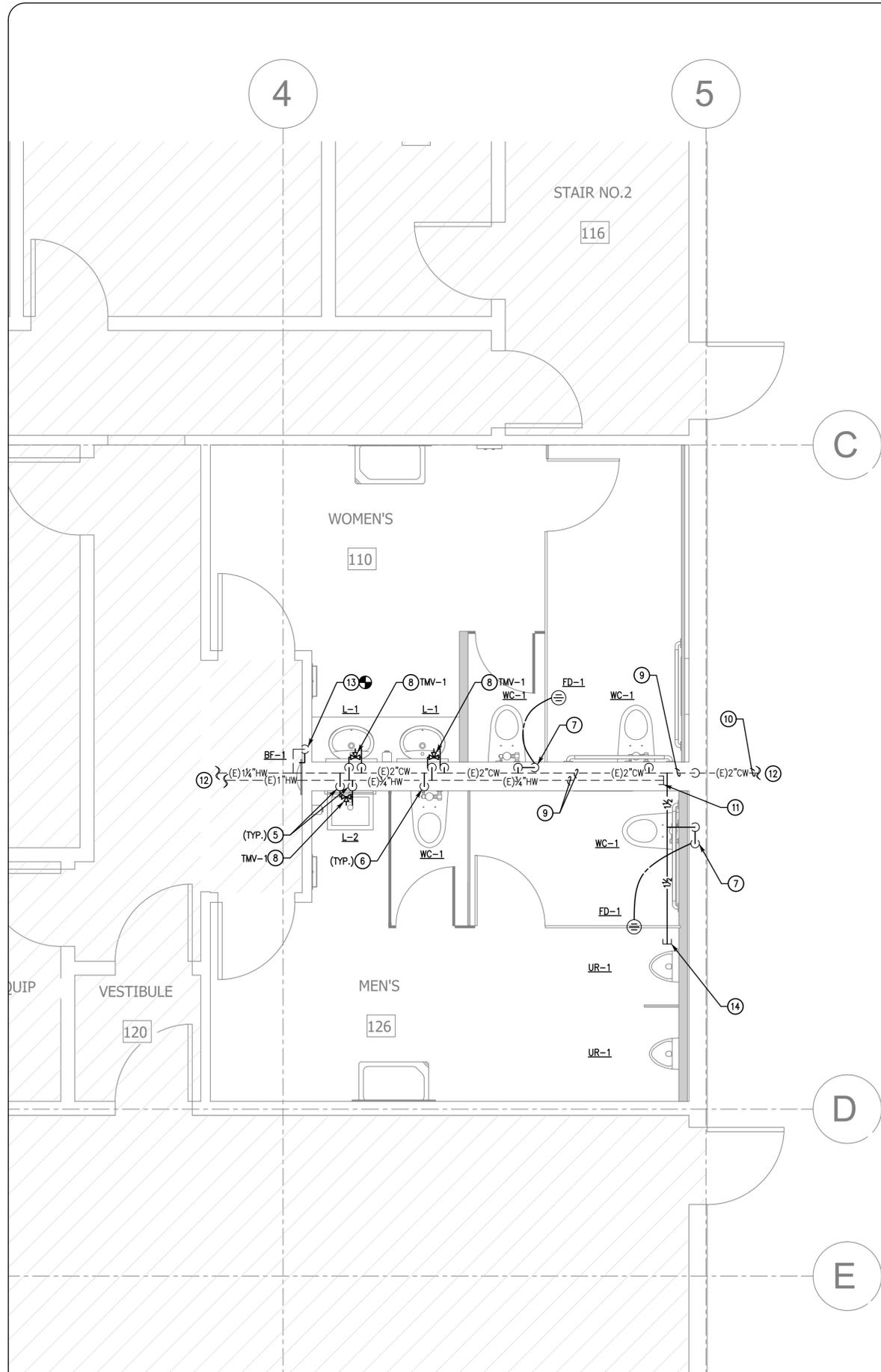
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OVERALL PROPOSED PLAN
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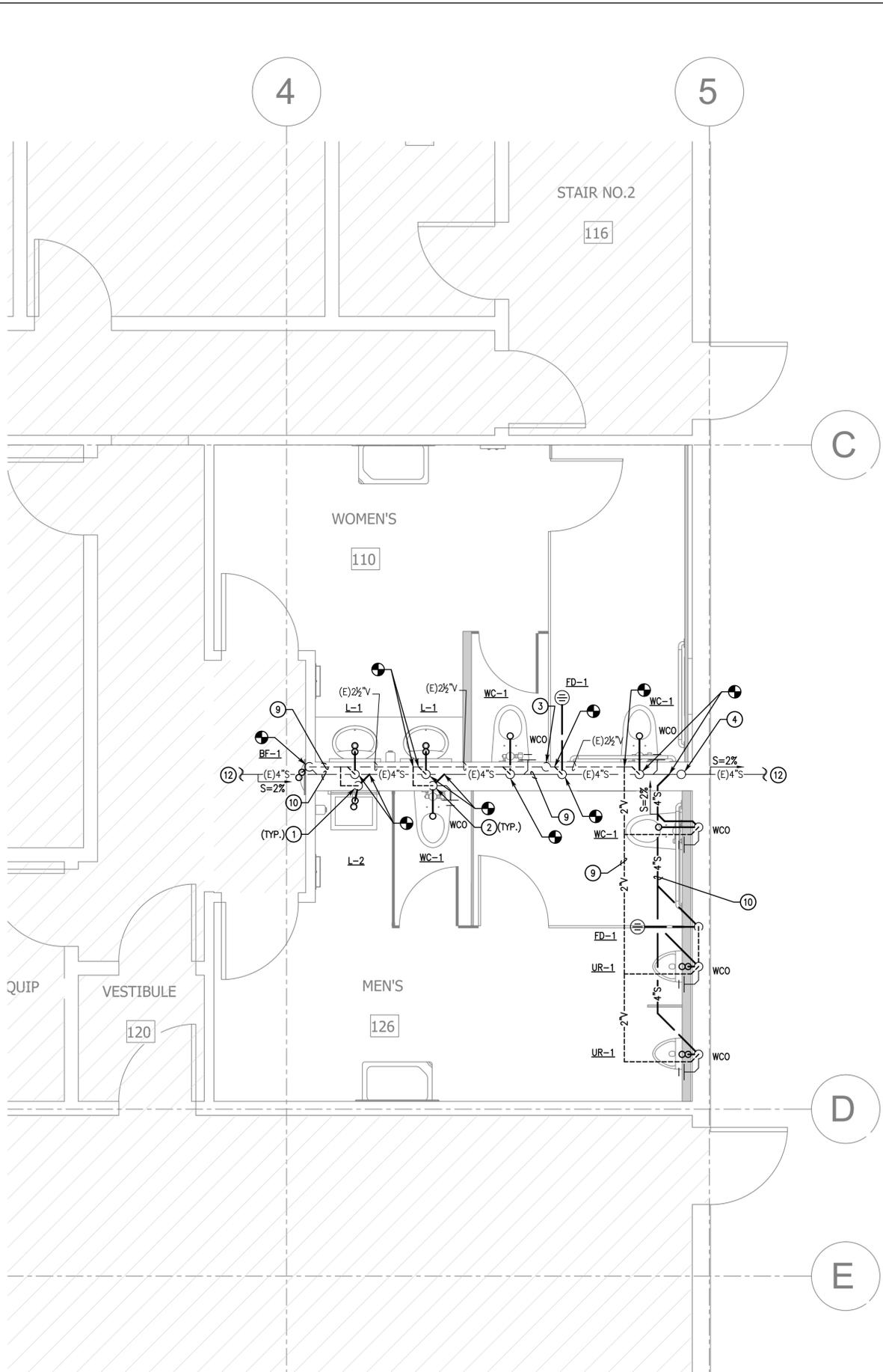
1 OVERALL PROPOSED PLAN
 P-3.1 3/16" = 1'-0"



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2 ENLARGED PROPOSED PLAN - RESTROOM HOT & COLD WATER
P-4.1 3/8" = 1'-0"



1 ENLARGED PROPOSED PLAN - RESTROOM WASTE & VENT
P-4.1 3/8" = 1'-0"

SHEET NOTES

- 1 2" WASTE DOWN, 1 1/2" VENT UP.
- 2 4" WASTE DOWN, 2" VENT UP.
- 3 EXISTING 2 1/2" VENT TO SECOND FLOOR ABOVE TO REMAIN AND REUSE.
- 4 EXISTING 4" WASTE FROM SECOND FLOOR ABOVE DOWN TO BELOW GRADE TO REMAIN AND REUSE.
- 5 1/2" HOT & COLD WATER TO SUPPLY PLUMBING FIXTURES.
- 6 1 1/2" COLD WATER TO SUPPLY FLUSH VALVE WATER CLOSET.
- 7 1/2" COLD WATER DOWN TO TRAP PRIMER. RUN 1/2" TRAP PRIMER LINE BELOW GRADE TO FLOOR DRAIN/FLOOR SINK TAILPIECE.
- 8 THERMOSTATIC MIXING VALVE BELOW LAVATORY COUNTER SET AT 120F.
- 9 PIPING AT HIGH LEVEL INSIDE CEILING SPACE.
- 10 PIPING BELOW FLOOR/GRADE.
- 11 PROVIDE END CAP.
- 12 SEE SHEET P.3.1 FOR CONTINUATION.
- 13 NEW BOTTLE FILLER TO CONNECT TO EXISTING 1/2" COLD WATER IN WALL.
- 14 1 1/2" COLD WATER STUB OUT AT HIGH LEVEL FOR FUTURE USE.

GENERAL SHEET NOTES

1. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE NECESSARY OFFSETS OF PIPING, FITTING & APPURTENANCES THAT HAVE TO BE REMOVED, CAPPED OR REROUTED.
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7. ALL SEWER LINES RUN @ SLOPES LESS THAN 2% ARE SUBJECT TO FIELD APPROVAL OF PLUMBING INSPECTOR.
8. WASTE PIPE SIZES THAT ARE 3 INCHES OR SMALLER SHALL BE EVALUATED AT 2% SLOPE.



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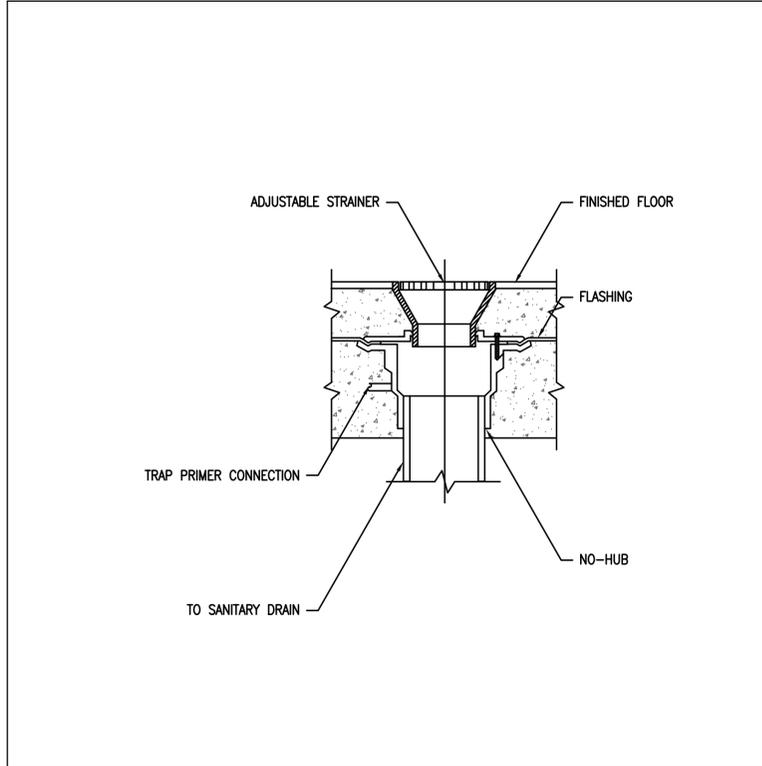
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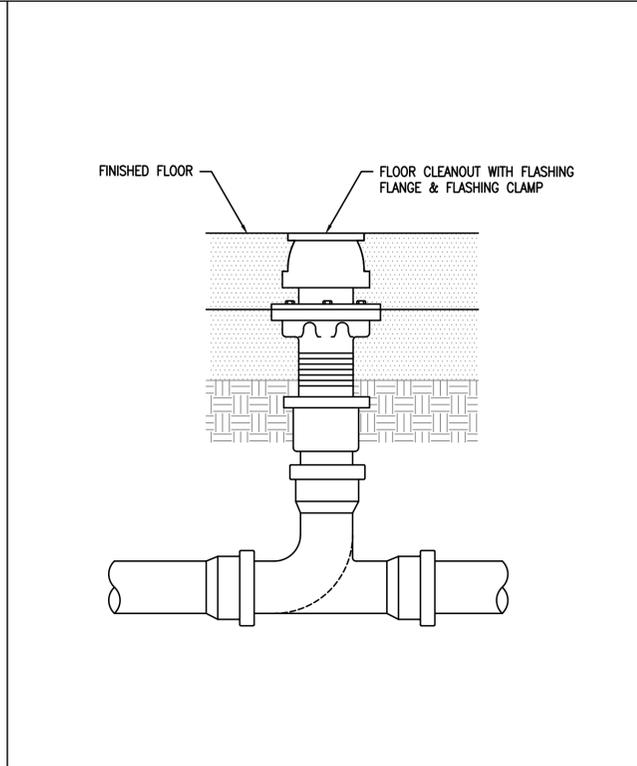


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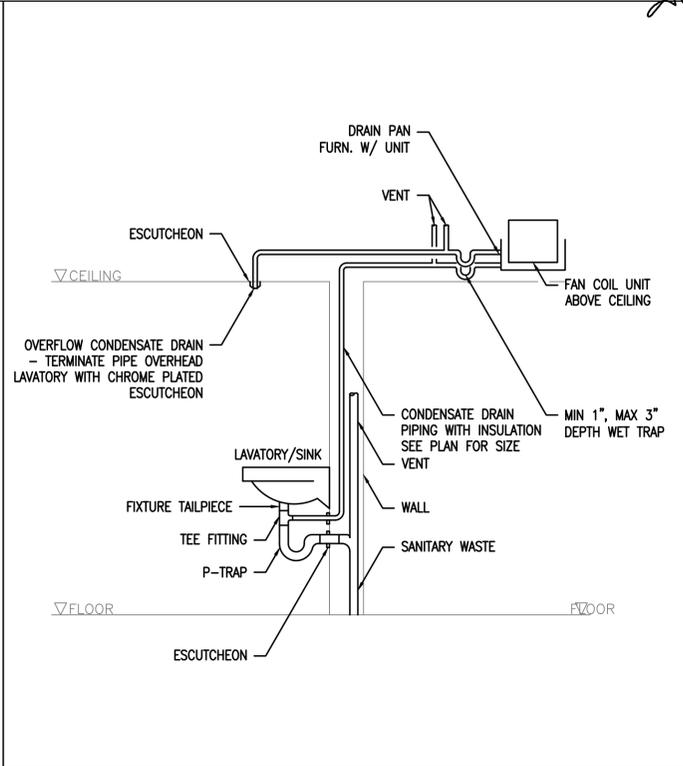
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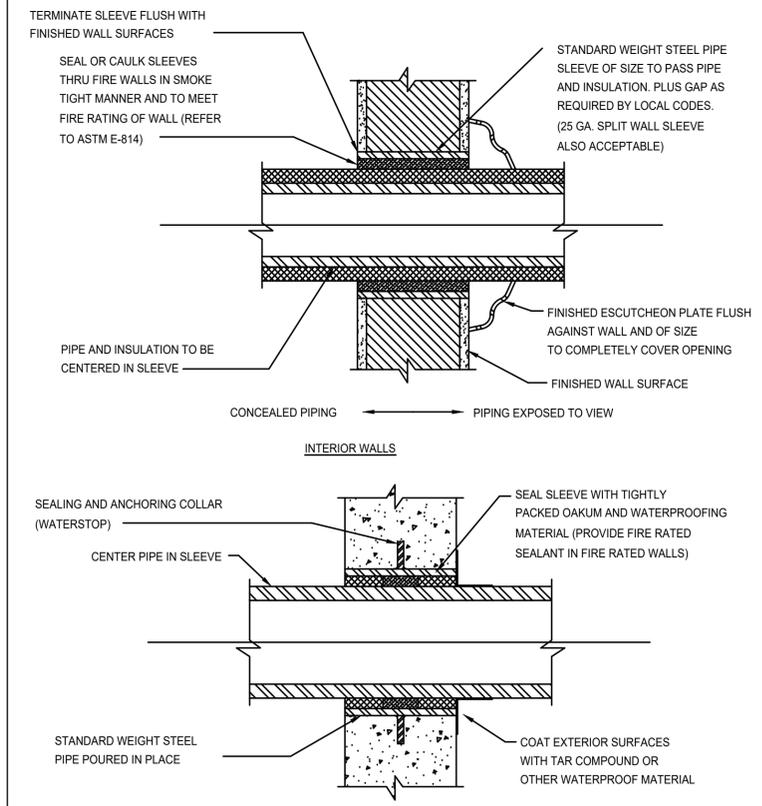
FLOOR DRAIN DETAIL
 SCALE: NONE **6**



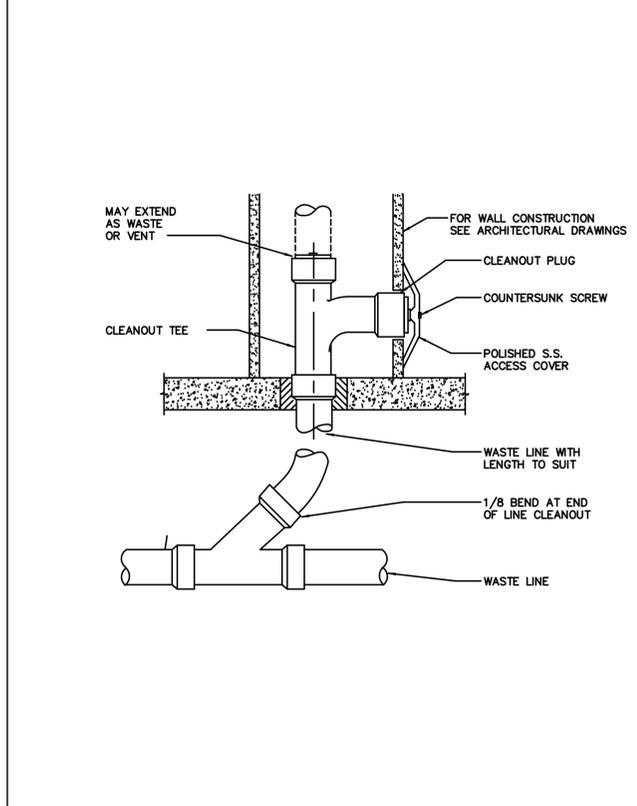
FLOOR CLEAN OUT
 SCALE: NONE **4**



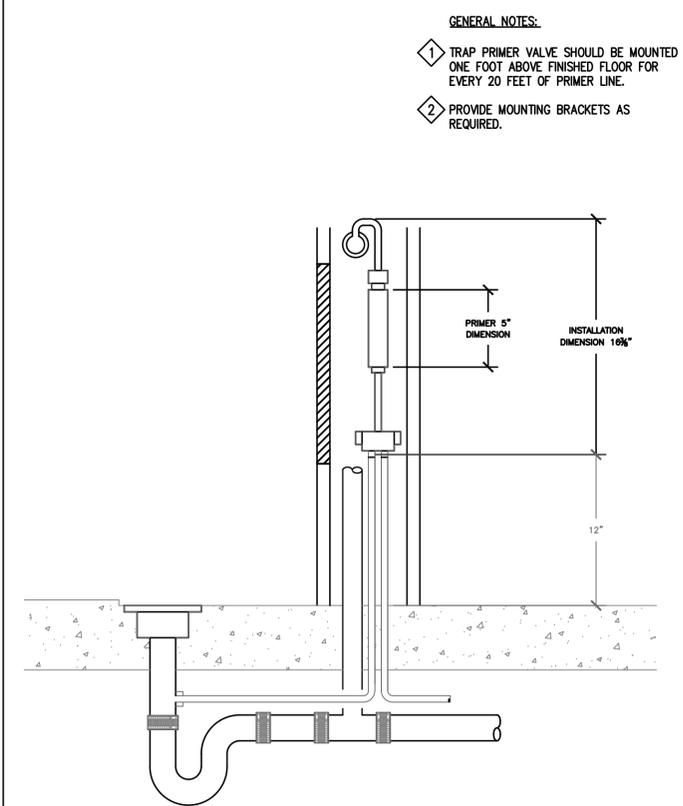
CEILING MOUNTED CONDENSATE DRAIN DETAIL
 SCALE: NONE **2**



PIPING THRU WALL
 SCALE: NONE **5**



WALL CLEAN OUT
 SCALE: NONE **3**



TRAP PRIMER DETAIL
 SCALE: NONE **1**

- GENERAL NOTES:**
- 1 TRAP PRIMER VALVE SHOULD BE MOUNTED ONE FOOT ABOVE FINISHED FLOOR FOR EVERY 20 FEET OF PRIMER LINE.
 - 2 PROVIDE MOUNTING BRACKETS AS REQUIRED.

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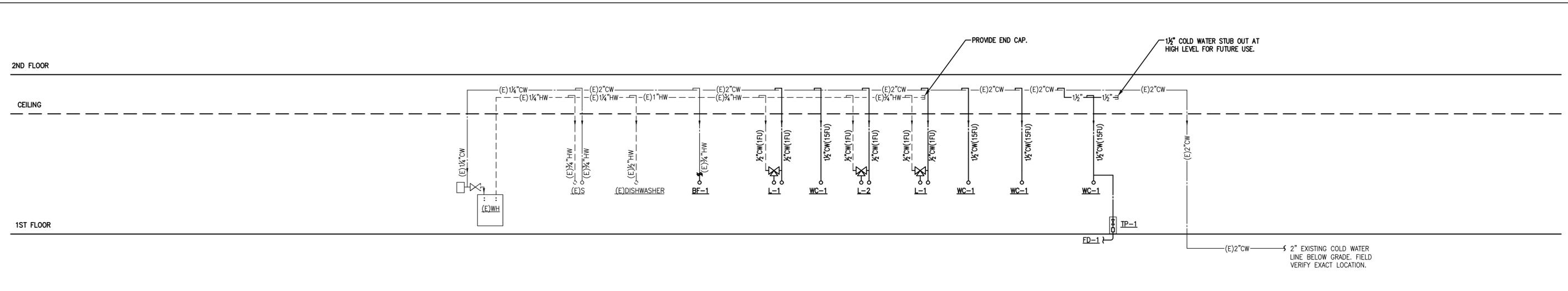


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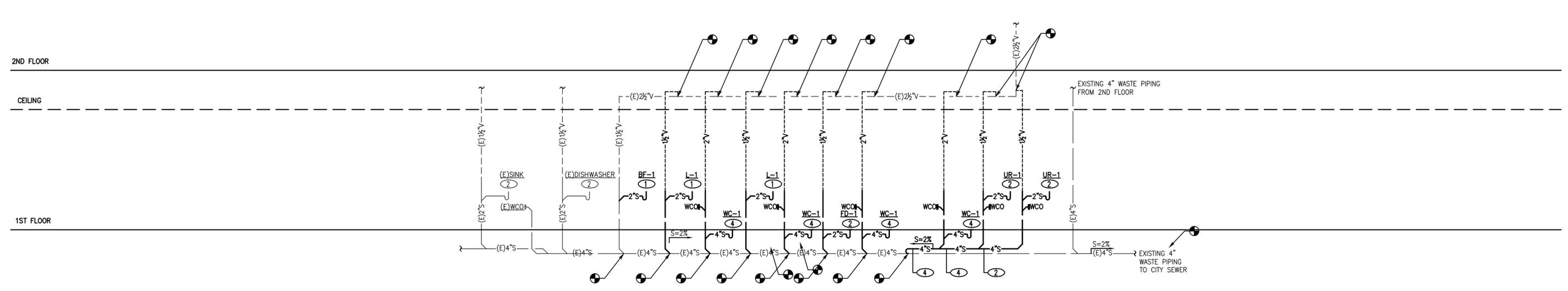
Gillis + Panichapan Architects, Inc.
 2900 BRISTOL STREET, COSTA MESA, CALIFORNIA 92626
 FAX (714) 668-4285 TEL (714) 668-4260

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PLUMBING HOT & COLD WATER RISER DIAGRAM
 SCALE: NTS **2**



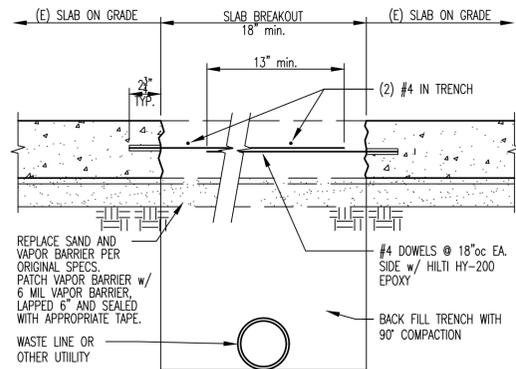
PLUMBING WASTE & VENT RISER DIAGRAM
 SCALE: NTS **1**

PLUMBING RISER DIAGRAM

SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY

H2S Engineers Inc.
 Mechanical and Electrical Engineers
 4095 E La Palma Ave, Suite F, Anaheim, CA 92807
 P: (714) 321-3068
 E-mail: hsbeth@h2sengineers.com



SLAB REPLACEMENT at UTILITY TRENCH

1

1-2 230805

LIGHT GAUGE STEEL FRAMING

- ALL STUDS AND TRACK DESIGNATIONS ARE BASED ON PRODUCTS MANUFACTURED BY THE CURRENT MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA)(CC ESR-3064P/LARR 25529). ALTERNATES MAY BE SUBMITTED WHICH EQUAL OR EXCEED THE PROPERTIES OF THE SPECIFIED MEMBER WHEN APPROVED BY THE ENGINEER.
- FRAMING SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM A1003 GRADE 33 TYPE H OR GRADE 50.
- ALL FRAMING SHALL BE GALVANIZED OR PAINTED CARBON SHEET STEEL. TOUCH UP ALL WELDS AND DAMAGED AREAS WITH APPROVED ZINC-RICH GALVANIZING TOUCH UP PAINT FOR GALVANIZED PRODUCTS. PAINT FOR CARBON SHEET PRODUCTS.
- ALL CONNECTIONS SHALL BE WITH SELF DRILLING SCREWS OR WELDING. SCREWS OR WELDING SHALL BE OF SUFFICIENT SIZE TO INSURE STRENGTH OF THE CONNECTION. WELDING SHALL BE IN ACCORDANCE WITH (AWS) D1.3, STRUCTURAL WELDING CODE - SHEET STEEL. WELDS SHALL BE OF THE SIZE SHOWN ON THE DETAILS. UNLESS NOTED OTHERWISE, THE EFFECTIVE THROAT SIZE OF THE WELD NEED NOT EXCEED THE THICKNESS OF THE PARENT MATERIAL. IN NO CASE SHALL WELDS BE LESS THAN 1/16".
- FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- SSMA PRODUCT IDENTIFICATION CODE ARE DEFINED AS FOLLOWS:

DDD S WWW-TTT (EX: 600S162-54 = 6"x1 5/8" STUD, 54 MILS)	DDD = MEMBER DEPTH	350 = 3 1/2"
		362 = 3 5/8"
		400 = 4"
		550 = 5 1/2"
		600 = 6"
		800 = 8"
		1000 = 10"
		1200 = 12"
S = STYLE	S = STUD OR JOIST	T = TRACK
WWW = MEMBER WIDTH	125 = 1 1/4"	137 = 1 3/8"
	162 = 1 5/8"	200 = 2"
	250 = 2 1/2"	

- METAL FRAMING CONNECTORS SHALL BE THOSE MANUFACTURED BY SIMPSON STRONG-TIE, AS SPECIFIED ON PLANS. CONNECTORS BY MANUFACTURERS OTHER THAN SIMPSON MAY BE USED PROVIDED:
 - CONNECTORS MEET OR EXCEED THE CAPACITY OF THE SPECIFIED SIMPSON COUNTERPARTS
 - CONNECTORS ARE APPROVED FOR USE IN A CURRENT ICBO EVALUATION REPORT VERIFICATION THAT CAPACITY OF HARDWARE BY ALTERNATE MANUFACTURERS MEETS OR EXCEEDS CAPACITY OF SPECIFIED SIMPSON HARDWARE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FASTENERS FOR ALL CONNECTORS SHALL BE AS SPECIFIED BY THE MANUFACTURER FOR FULL CAPACITY OF THE HARDWARE.
- UNLESS NOTED OTHERWISE, 54-mil, 68-mil AND 97-mil STEEL MEMBERS SHALL BE 50 KSI. ALL OTHER LIGHT GAUGE STEEL MEMBERS SHALL BE 33 KSI.
- SCREWS USED FOR STEEL ATTACHMENTS SHALL BE ONE OF THE FOLLOWING:
 - GRABBER SELF-DRILLING SCREWS, JOHN WAGNER ASSOCIATES, INC. GRABBER DIVISION, CONCORD, CA (ICBO #ER-5280/LARR #25509)
 - DARTS SCREWS, COMPASS INTERNATIONAL, INC., ANAHEIM, CA (ICBO #ER-5202 / LARR #25294) ALTERNATIVES MAY BE USED PROVIDED THAT THE SCREWS ARE APPROVED FOR USE IN A CURRENT CITY OF LA RESEARCH REPORT AND THE SCREW CAPACITIES MEET OR EXCEED THE VALUES LISTED BY THE SSMA.
- OPENINGS IN STUD/JOIST WEBS OTHER THAN THE STANDARD HOLES PUNCHED BY THE MANUFACTURER ARE PROHIBITED UNLESS SPECIFICALLY DESIGNED AND DETAILED BY THE ENGINEER.
- WELDING OF LIGHT GAUGE STEEL MUST BE PERFORMED BY A WELDER CERTIFIED FOR LIGHT GAUGE WELDING. ALL FIELD WELDING SHALL HAVE INSPECTION BY A REGISTERED DEPUTY INSPECTOR.
- ALL FRAMING COMPONENTS SHOULD BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR ANY ANGULAR FIT AGAINST AN ABUTTING MEMBER.
- SCREW SHALL BE SUFFICIENT LENGTH TO ENSURE PENETRATION INTO STEEL STUD BY AT LEAST 3 FULL DIAMETER THREADS.

TESTS AND INSPECTIONS

- INSPECTION BY A REGISTERED DEPUTY INSPECTOR IS REQUIRED FOR THE MATERIALS LISTED BELOW. THE EXTENT OF SUCH INSPECTION SHALL CONFORM TO SECTION 1704 OF THE INTERNATIONAL BUILDING CODE.
- AN AFFIDAVIT SHALL BE ISSUED TO THE ARCHITECT/ENGINEER AND THE BUILDING DEPARTMENT AT THE COMPLETION OF EACH TYPE OF WORK STATING WHETHER THE WORK WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED DEPUTY INSPECTIONS. DEPUTY INSPECTORS SHALL BE APPROVED BY THE OWNER.

SPECIAL INSPECTIONS
(only checked items are required)

MATERIAL	INSPECTION TYPE		NOTES
	CONTINUOUS	PERIODIC	
STRUCTURAL STEEL - Section 1705.2			
Structural Steel Material		☒	c
Weld Filler Material		☒	d
Welding - Groove Welds	☒		
Welding - Single Pass Fillet Welds less than or equal to 5/16"		☒	
Welding - All other fillet welds	☒		
Reinforcing Steel (rebar)		☒	e
Steel Frame Joint Details		☒	
High Strength Bolting		☒	f

- NOTES:
- VERIFY MATERIAL VIA IDENTIFICATION MARKINGS & MILL TEST REPORTS.
 - VERIFY MATERIAL VIA IDENTIFICATION MARKINGS & MANUFACTURERS CERTIFICATION OF COMPLIANCE.
 - VERIFY WELDABILITY OF REINFORCEMENT OTHER THAN ASTM A706 BARS.
 - INSPECTION OF HIGH STRENGTH BOLTS IN SNUG-TIGHT CONNECTIONS IN ACCORDANCE WITH AISC 360, SECTION M2.5.

GENERAL

- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE (CBC).
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER.
- CONTRACTOR MUST CHECK DIMENSIONS, FRAMING CONDITIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR POSSIBLE DEFICIENCIES.
- CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS SPECIFIED IN TYPICAL DETAILS FOR THE RESPECTIVE MATERIALS.
- THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. ALL BRACING, TEMPORARY SUPPORTS, SHORING, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OBSERVATION VISITS TO THE JOB SITE BY THE ARCHITECT AND THE ENGINEER DO NOT INCLUDE INSPECTION OF CONSTRUCTION PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR SAFETY CONDITIONS AT THE WORKSITE. THESE VISITS SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
- DESIGN, MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE, PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE OWNER, ARCHITECT, THE ENGINEER, AND THE APPLICABLE GOVERNING CODE AUTHORITY.

DESIGN CRITERIA

WIND ANALYSIS (N/A, INTERIOR STRUCTURE)
 WIND EXPOSURE: 'C'
 WIND SPEED: '96 MPH', 3 SEC. GUST $K_{zt} = 1.0$
 $K_d = .85$
 RISK CATEGORY: II

SEISMIC PARAMETERS
 SITE CLASS: 'D'
 SEISMIC DESIGN CATEGORY: 'D'
 RISK CATEGORY: II
 SEISMIC IMPORTANCE FACTOR: 1.0
 $F_a = 1.2$ $F_v = 1.7$
 $S_D = 1.5$ $S_1 = 0.6$
 $S_0.5 = 1.2$ $S_0.1 = 0.68$

BUILDING DESIGN LOADS

INTERIOR PARTITION LOADING:
 $F_{ri} = 5$ PSF
 INTERIOR LATERAL LOADING = 5 PSF

REINFORCING STEEL

- REINFORCING STEEL SHALL CONFORM TO ASTM A615 OR A706, GRADE 40 FOR SIZES #3 AND GRADE 60 FOR SIZES #4 AND LARGER.
- WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4-11 USING PROPER LOW HYDROGEN ELECTRODES. ALL BARS TO BE WELDED SHALL CONFORM TO ASTM A706.
- ALL BARS IN MASONRY SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS (2'-0" min.) AT ALL SPLICES UNLESS NOTED OTHERWISE.
- ALL BARS IN CONCRETE SHALL BE LAPPED PER THE LAP SPLICE SCHEDULE AT ALL SPLICES UNLESS NOTED OTHERWISE.
- SPLICES OF HORIZONTAL REBAR IN WALLS AND FOOTINGS SHALL BE STAGGERED 4'-0" MINIMUM.
- DOWELS FOR WALLS AND COLUMNS SHALL BE THE SAME SIZE AND SPACING AS THE WALL/COLUMN REINFORCING UNLESS NOTED OTHERWISE.
- ALL BENDING OF REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.

CONCRETE

- ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- AGGREGATES SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C33.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE I OR II, LOW ALKALI, OR AS REQUIRED TO SATISFY SITE SOIL CONDITIONS AS DETERMINED BY THE PROJECT SOILS ENGINEER. FOR SLAB-ON-GRADE MINIMUM WATER CEMENT RATIO TO BE 0.50.
- THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:
 SLABS ON GRADE CENTER OF SLAB
- REFER TO ARCHITECTURAL DRAWINGS FOR REVEALS, AREAS OF TEXTURED CONCRETE OR SPECIAL FINISHES, ITEMS REQUIRED TO BE CAST INTO THE CONCRETE, CURBS AND SLAB DEPRESSIONS.

STRUCTURAL STEEL

- ALL FABRICATION AND ERECTION SHALL CONFORM TO THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.
- ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS. ALL FIELD WELDING SHALL HAVE CONTINUOUS INSPECTION BY A REGISTERED DEPUTY INSPECTOR.
- ALL FULL PENETRATION GROOVE WELDS SHALL BE ULTRASONICALLY TESTED (UT) FOR THE EXTENT REQUIRED PER THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE.
- PLATE SHALL CONFORM TO ASTM A992, GRADE 50.
 ALL SQUARE AND RECTANGULAR HSS SECTIONS SHALL CONFORM TO ASTM A1085 or ASTM A500, GRADE 'C' (50 KSI)
 ALL ROUND HSS SECTIONS SHALL CONFORM TO ASTM A1085 or ASTM A500, GRADE 'C' (46 KSI)
 ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
- ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 36 UNLESS NOTED OTHERWISE ON THE PLANS OR DETAILS. HEADED STUD ANCHORS CONFORM TO ASTM A108 UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.
- STEEL TO STEEL BOLTED CONNECTIONS SHALL BE WITH ASTM A325N BOLTS U.N.O. UNFINISHED BOLTS SHALL CONFORM TO ASTM A307 GRADE A UNLESS NOTED OTHERWISE ON THE PLANS OR DETAILS. THREADED ROD SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON THE PLANS OR DETAILS.
- ALL WELDING ELECTRODES SHALL CONFORM TO AWS E70XX.
- UNLESS SPECIFICALLY DETAILED, NO STRUCTURAL STEEL MEMBER SHALL BE DRILLED, CUT OR MODIFIED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER. BOLT HOLES, WHEN PERMITTED, SHALL BE DRILLED A MAXIMUM OF 1/16" OVER THE DIAMETER OF THE THREADED FASTENER; FLAME CUTTING IS NOT PERMITTED.
- THE FABRICATOR AND ERECTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO PRODUCING SHOP DRAWINGS. IF ANY CONFLICTS ARE FOUND AGAINST THE REQUIREMENTS OF ANY SAFETY REGULATIONS, THE FABRICATOR SHALL NOTIFY THE STRUCTURAL ENGINEER PRIOR TO PRODUCING SHOP DRAWINGS.



DATE SIGNED: 8/8/2023



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 architecture
 planning
 interior
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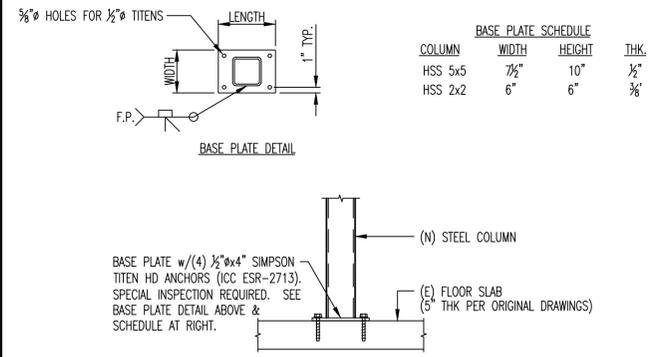
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90% PROGRESS

JOB NO.: 3903/DC23115	DATE: 07/31/2023
DRAWN BY: DCSE	CHECKED BY: RS
SCALE: AS NOTED	

STRUCTURAL GENERAL NOTES
 SANTA ANA WATERSHED PROJECT AUTHORITY

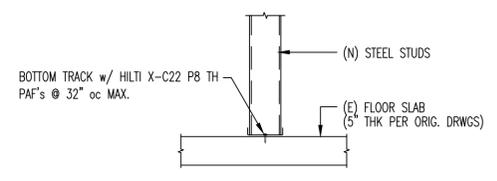
SN-1



COLUMN	WIDTH	HEIGHT	THK.
HSS 5x5	7 1/2"	10"	1/2"
HSS 2x2	6"	6"	3/8"

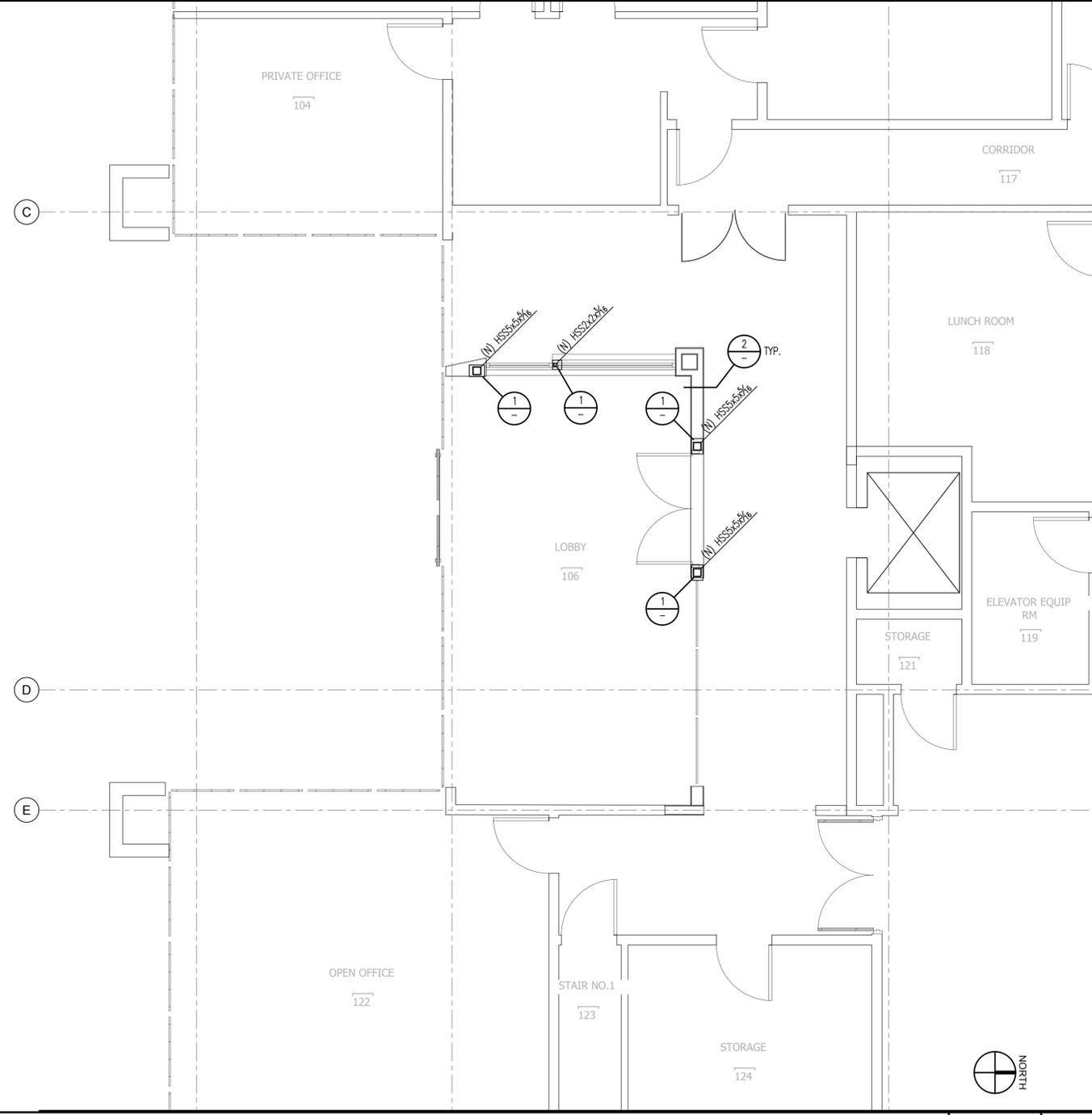
COLUMN BASE 1

1-1 230805



WALL TO SLAB 2

1-2 230805



PARTIAL SLAB PLAN 1/4"=1'-0" 01



architecture
planning
interior

G.P.A.

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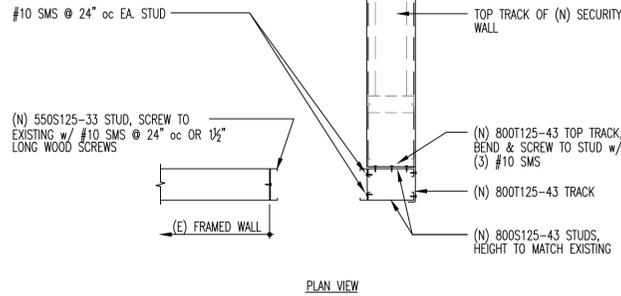
CLUBHOUSE FRAMING PLAN
SANTA ANA WATERSHED PROJECT AUTHORITY

S1.0



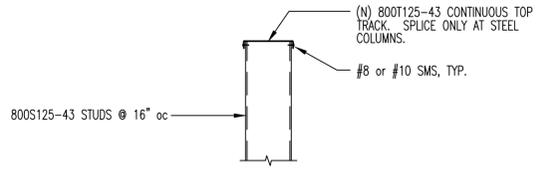
DCSE
ASSOCIATES, INC.
STRUCTURAL ENGINEERS
1744 West Katella Ave.
Suite 107
Orange, CA 92667
PH: 714 997 1145
www.dalcehrstan.com

DATE SIGNED: 8/8/2023



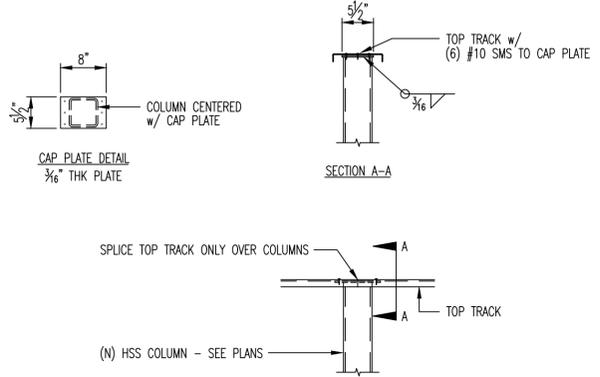
TOP OF WALL 5

2-2 230806



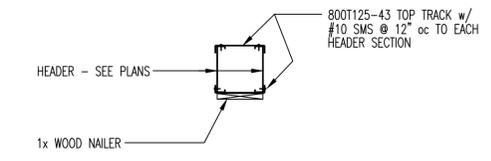
TOP OF WALL 1

2-1 230806



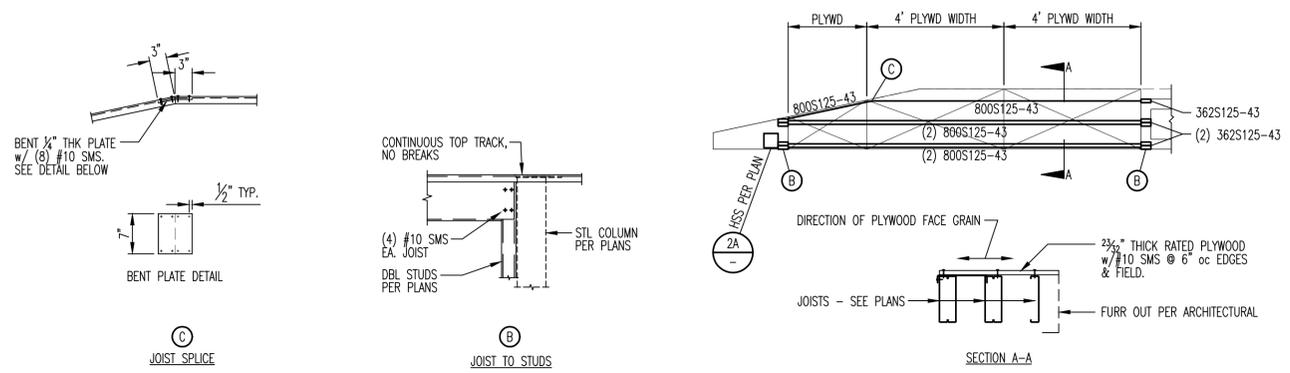
TOP OF COLUMN 2

2-2 230806



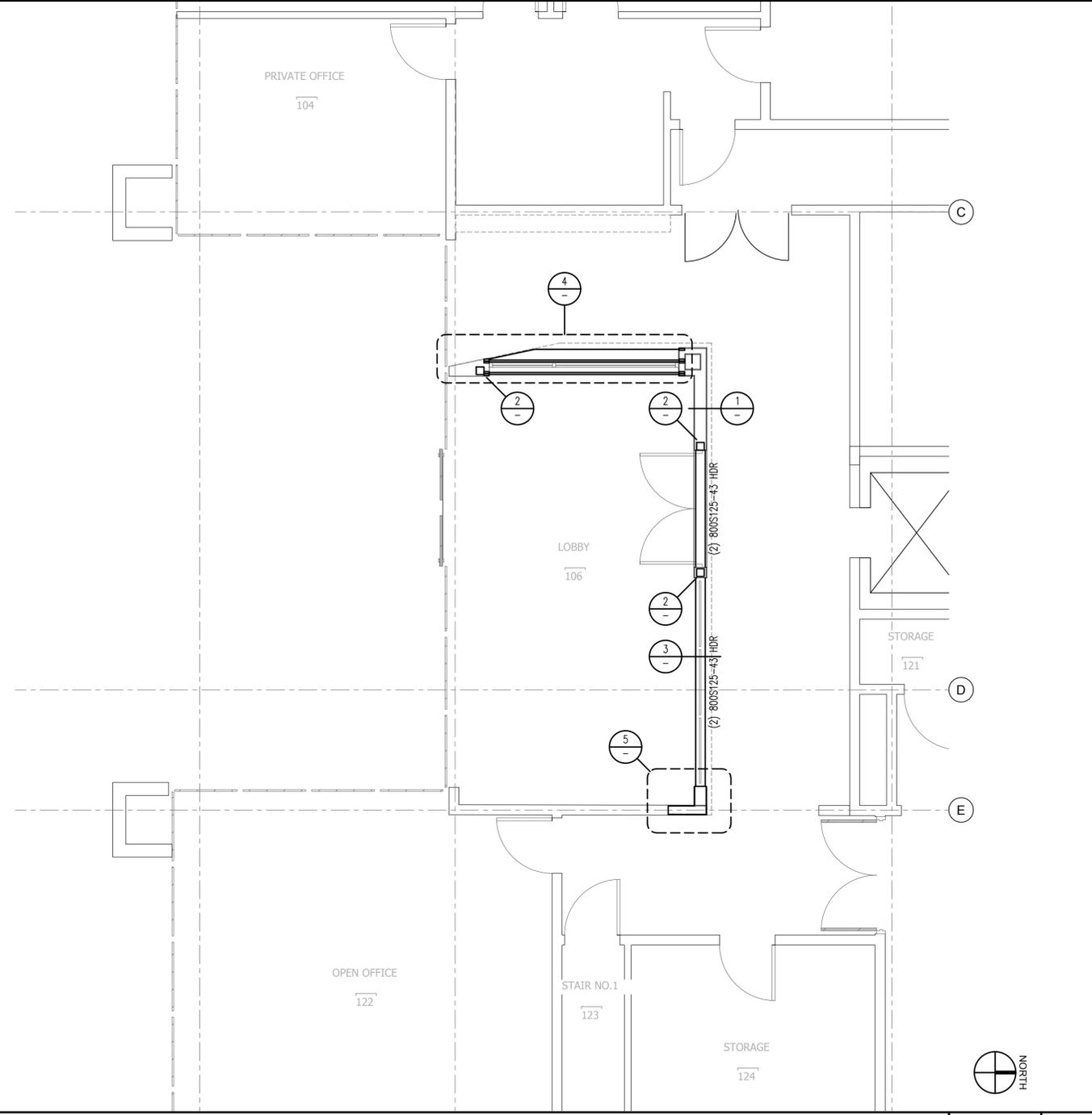
HEADER 3

2-3 230807



TOP OF WALL 4

230807



PARTIAL FRAMING PLAN 1/4"=1'-0" 01

FRAMING NOTES

- SEE SHEETS SN-1 FOR GENERAL NOTES
- SECURITY WALL STUDS: 800S125-43 @ 16" oc U.N.O.
OTHER WALL STUDS: 550S125-33 @ 16" oc U.N.O.
- TOP TRACK GAUGE TO MATCH STUDS U.N.O.



DATE SIGNED: 8/8/2023



G.P. architecture planning interior
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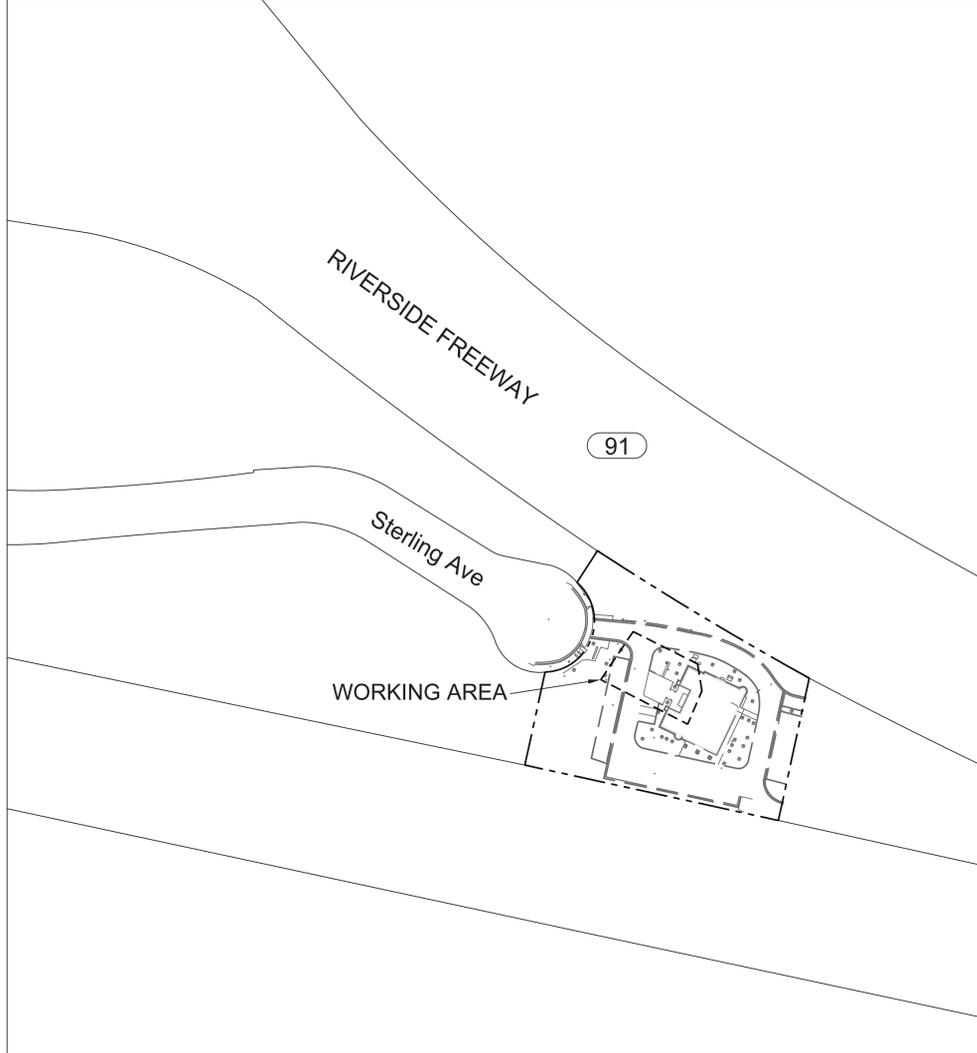
JOB NO.: 3903/DC23115	DATE: 07/31/2023
DRAWN BY: DCSE	CHECKED BY: RS
SCALE: AS NOTED	

CLUBHOUSE FRAMING PLAN
SANTA ANA WATERSHED PROJECT AUTHORITY

S2.0

ENTRANCE IMPROVEMENT PLAN

- 1 [] All grading shall conform to the Riverside Municipal Code, Title 17 and the current City adopted edition of the California Building Code.
- 2 [] All provisions of the preliminary soils report prepared by N/A dated N/A shall be complied with during grading operations. City Business Tax Certif. No. N/A Exp. Date N/A.
- 3 [] This plan is for grading purposes only and is not to be used for the purpose of constructing on-site or off-site improvements. Issuance of a permit based on this plan does not constitute approval of driveway locations or sizes, parking lot structural sections or layout, ADA-related requirements, building locations or foundations, walls, curbing, off-site drainage facilities or other items not related directly to the basic grading operation. On-site improvements shall be constructed from approved building permit plans. Off-site improvements shall be constructed from plans approved for this purpose by the Public Works Department.
- 4 [] Certification from the registered (civil engineer/architect/landscape architect) stating that the grading has been completed per the approved plan, and a compaction report from the soil engineer for fill areas are required prior to building permits being issued.
- 5 [] Contractor is responsible for erosion, dust and temporary drainage control during grading operations.
- a. All manufactured slopes in excess of 5 feet in vertical height are to be protected from erosion during rough grading operations and, thereafter, until installation of final groundcover. (See landscape plans for final groundcover).
- b. All slope protection swales to be constructed at the same time as banks are graded.
- c. The developer and his contractor are responsible for implementation and maintenance of the erosion control measures shown on this plan and SWPPP and also to provide any additional erosion control measures (e.g., hydroseeding, mulching of straw, gravel-bagging, diversion ditches, retention basins, etc.) dictated by field conditions to prevent erosion and/or the introduction of dirt, mud or debris into existing public streets and/or onto adjacent properties during any phase of construction operations. Special attention shall be given to additional erosion control measures noted above during the period October 1 to May 31.
- d. After a rainstorm, all silt and debris shall be removed from check berms and check dams. Silt and debris shall be removed from City of Riverside streets. This requirement shall remain in effect until city acceptance of this project.
- 6 [] Any on-site retaining walls shown on this plan that are under 3 feet in height and support a surcharge or that are over 3 feet in height require separate review, approval and a building permit from the Building and Safety Division, Community Development Department. Any necessary retaining walls on the perimeter of this site shall be in place and approved by the building inspector prior to issuance of the grading permit. Approved sequenced grading with 1 1/2:1 maximum slopes to within 2 feet of the adjacent property line may be acceptable to allow for issuance of a grading permit prior to completion of any necessary perimeter retaining walls. (If no retaining walls are shown on the plan, do not put this note on plan.)
- 7 [] Any improvements constructed in the public right-of-way will require a separate construction permit and inspection from the Public Works Department.
- 8 [] Any walls, fences, structures and/or appurtenances adjacent to this project are to be protected in place. If grading operations damage or adversely affect said items in any way, the contractor and/or developer is responsible for working out an acceptable solution to the satisfaction of the affected property owner(s).
- 9 [] The contractor/developer is responsible for ensuring that retaining walls do not interfere with provision of utilities.
- 10 [] It is the grading contractor's responsibility to ensure that adequate compaction has been attained on the entire grading site, including fill areas outside the building pads and on all fill slopes.
- 11 [] It is the soil engineer's responsibility to observe and perform compaction tests during the grading to evaluate the preparation of the natural ground surface to receive the fill and the compaction attained in the fill, including fill areas outside the building pads and on all fill slopes.
- 12 [] Earthwork quantities are shown for grading permit purposes only, and the City of Riverside is not responsible for their accuracy.
- 13 [] For grading of areas of 1 acre or more, a Storm Water Pollution Prevention Plan (SWPPP) shall be kept on-site and made available upon request of a representative of the Regional Water Quality Control Board (RWQCB) - Santa Ana Region and/or the City of Riverside.
- 14 [] Grading operations shall be limited to between the hours of 7 a.m. and 7 p.m. on weekdays and between 8 a.m. and 5 p.m. on Saturdays. No grading will be permitted on Sunday or federal holidays. (Riverside Municipal Code, 7.35.010, Ordinance No. 6273)



KEY MAP
SCALE: 1"=100'



VICINITY MAP
NO SCALE

ABBREVIATIONS:

- AC Asphalt Concrete
- C/B Catch Basin
- CBW Concrete Block Wall
- CL Center Line
- CLF Chain Link Fence
- CONC Concrete
- D/A Driveway Apron
- EP Edison Pole
- EX Existing
- FF Finished Floor Elevation
- FG Finished Grade
- FH Fire Hydrant
- FL Flow Line Elevation
- FS Finished Surface
- GV Gas Valve
- HP High Point
- INV Invert Elevation
- MIN Minimum
- NTS Not To Scale
- PCC Portland Cement Concrete
- PBL Property Boundary Line
- PM Parking Meter
- PVMT Pavement
- RW Retaining Wall
- SMH Sewer Manhole
- S/W Sidewalk
- STA Station
- STD Standard
- SHT Sheet
- TBR To Be Removed
- TC Top of Curb Elevation
- TG Top of Grate Elevation
- TW Top of Wall Elevation
- Hr Retaining Height
- Hv Height of Retaining Wall
- WF Wooden Fence
- WM Water Meter

LEGEND:

- (100.25) Existing Elevation
- 101 --- Ex. Ground Contour Line
- Chain Linked Fence
- Ex. Structure
- Street Light
- Sewer Line
- Water Line
- Ex. Tree, Diameter 10"
- ➔ ➔ ADA Path of Travel

CONSTRUCTION NOTES:

- 1 CONSTRUCT MAX 24"-HIGH PLANTER WALL, SEE SHEET 3 FOR DETAILS
- 2 CONSTRUCT 12"-CONCRETE CURB PER SPPWC STD PLAN 120-2, SEE SHEET 3 FOR DETAILS
- 3 INSTALL TRUNCATED DOMES, SEE SHEET 3 FOR DETAILS
- 4 CONSTRUCT 4"-PCC PAVEMENT, SEE SHEET 3 FOR DETAILS

SCOPE OF WORK:

- RECONSTRUCT PAVEMENT SLOPE TO MEET ADA REQUIREMENTS INCLUDING ADD ADA RAMP

Earthwork Quantities:

Cut	4	(cy), Fill including 15%shrinkage	8	(cy)
Total Cut and Fill	12	(cy)		
Import	4	(cy)		

CUT AND FILL AMOUNT IS ESTIMATED ONLY. ACTUALLY AMOUNT MAY VARY DUE TO OTHER UNKNOWN FACTORS. (SITE CONDITION, SOIL ENGINEER' S RECOMMENDATION)

SHEET INDEX

- SHEET 1 TITLE SHEET
- SHEET 2 ENTRANCE IMPROVEMENT PLAN
- SHEET 3 DETAILS
- SHEET 4 TOPOGRAPHIC MAP



BENCHMARK
B.M. No. E2-J3
Elevation (ft) : (696.956)
Location Description : P.K. Nail and City Engineer Tag in the Northwesternly curb return of Magnolia Av. and Pierce St.

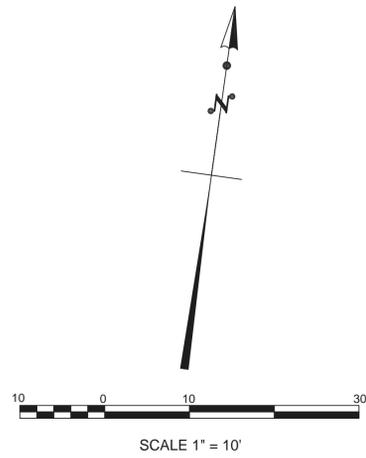
PLANS PREPARED UNDER THE SUPERVISION OF:

GUAN WANG 07/23/2024
GUAN WANG, P.E.79702

TRITECH ENGINEERING GROUP
135 N. SAN GABRIEL BLVD.
SAN GABRIEL, CA 91775
TEL: (626) 570-1918
EMAIL: info@tritechengineer.com

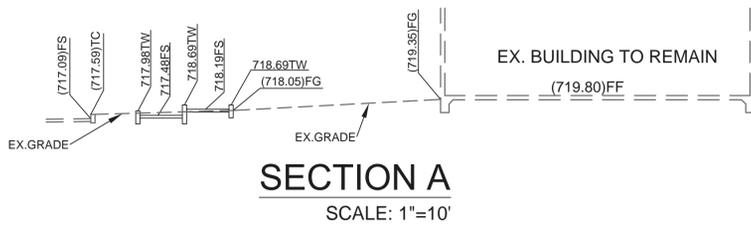
ENTRANCE IMPROVEMENT PLAN

SCALE: 1"=20'	APN# : 132-020-049	DRAWN BY: SMITH
DATE: 07/23/2024		REVISED:
11615 Sterling Ave. Riverside, CA 92503		
SHEET 1 OF 4		JOB NO. 220612



CONSTRUCTION NOTES:

- ① CONSTRUCT MAX 24"-HIGH PLANTER WALL, SEE SHEET 3 FOR DETAILS
- ② CONSTRUCT 12"-CONCRETE CURB PER SPPWC STD PLAN 120-2, SEE SHEET 3 FOR DETAILS
- ③ INSTALL TRUNCATED DOMES, SEE SHEET 3 FOR DETAILS
- ④ CONSTRUCT 4"-PCC PAVEMENT, SEE SHEET 3 FOR DETAILS



SECTION A
SCALE: 1"=10'



BENCHMARK
B.M. No. E2-J3
Elevation (ft) : (696.956)
Location Description : P.K. Nail and City Engineer Tag
in the Northwesterly curb
return of Magnolia Av. and Pierce St.

PLANS PREPARED UNDER THE SUPERVISION OF:

07/23/2024
GUAN WANG, P.E.79702

TRITECH ENGINEERING GROUP
135 N. SAN GABRIEL BLVD.
SAN GABRIEL, CA 91775
TEL: (626) 570-1918
EMAIL: info@tritechengineer.com

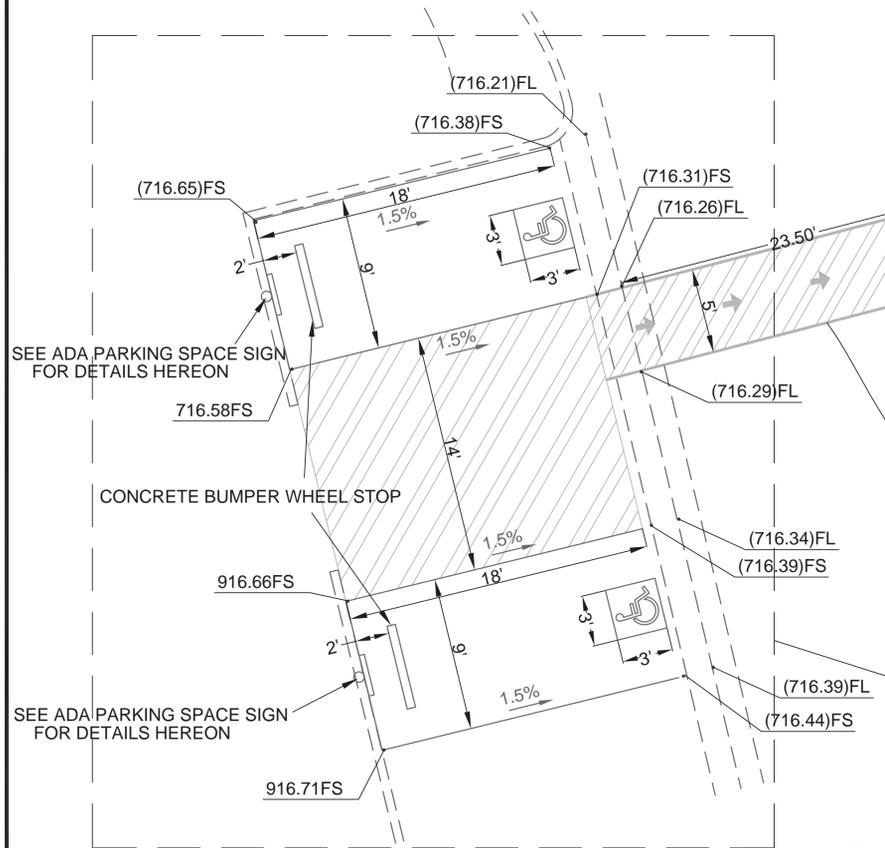
ENTRANCE IMPROVEMENT PLAN		
SCALE: 1"=20'	APN#: 132-020-049	DRAWN BY: SMITH
DATE: 07/23/2024	11615 Sterling Ave. Riverside, CA 92503	REVISED:
SHEET 2 OF 4		JOB NO. 220612

ADA PARKING SPACE SIGN :
 ADA PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) COMPLYING WITH SECTION 11B-703.7.2.1 IN WHITE ON A BLUE BACKGROUND.
 AN ADDITIONAL SIGN BELOW THE ISA SIGN SHALL STATE "MINIMUM FINE \$250" (CBC 11B-502.6.2)
 AN ADDITIONAL SIGN BELOW THE "MINIMUM FINE \$250" SIGN SHALL STATE "VAN ACCESSIBLE" (CBC 11B-502.6)
 "VAN ACCESSIBLE" SIGN SHALL BE 60 INCHES (1524 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN. (CBC 11B-502.6)
 AN ADDITIONAL SIGN SHALL CLEARLY STATE IN LETTERS WITH A MINIMUM HEIGHT OF 1 INCH (25 MM) THE FOLLOWING:
 "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT: _____ OR BY TELEPHONING _____"
 BLANK SPACES SHALL BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.(CBC 11B-502.8.2)

THE BOTTOM OF THE HANDICAP PARKING SIGN SHALL BE 80" MIN FROM THE PARKING SPACE FINISHED SURFACE

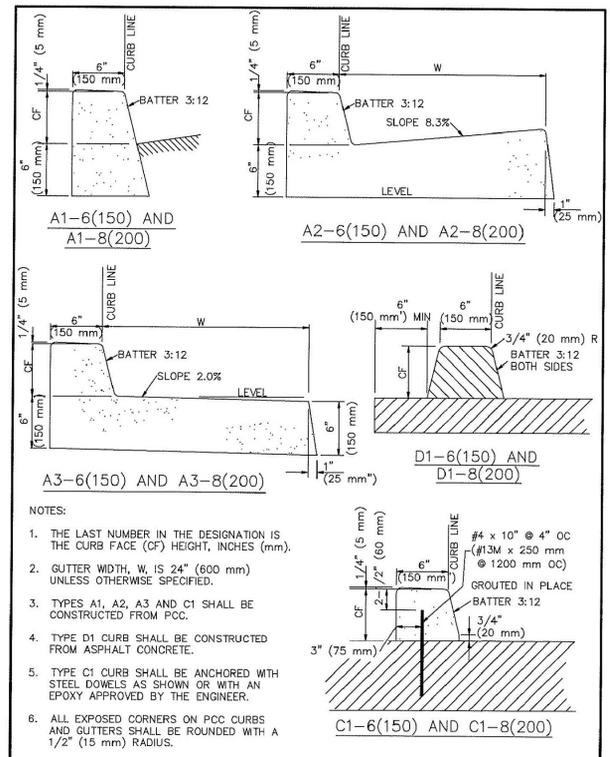
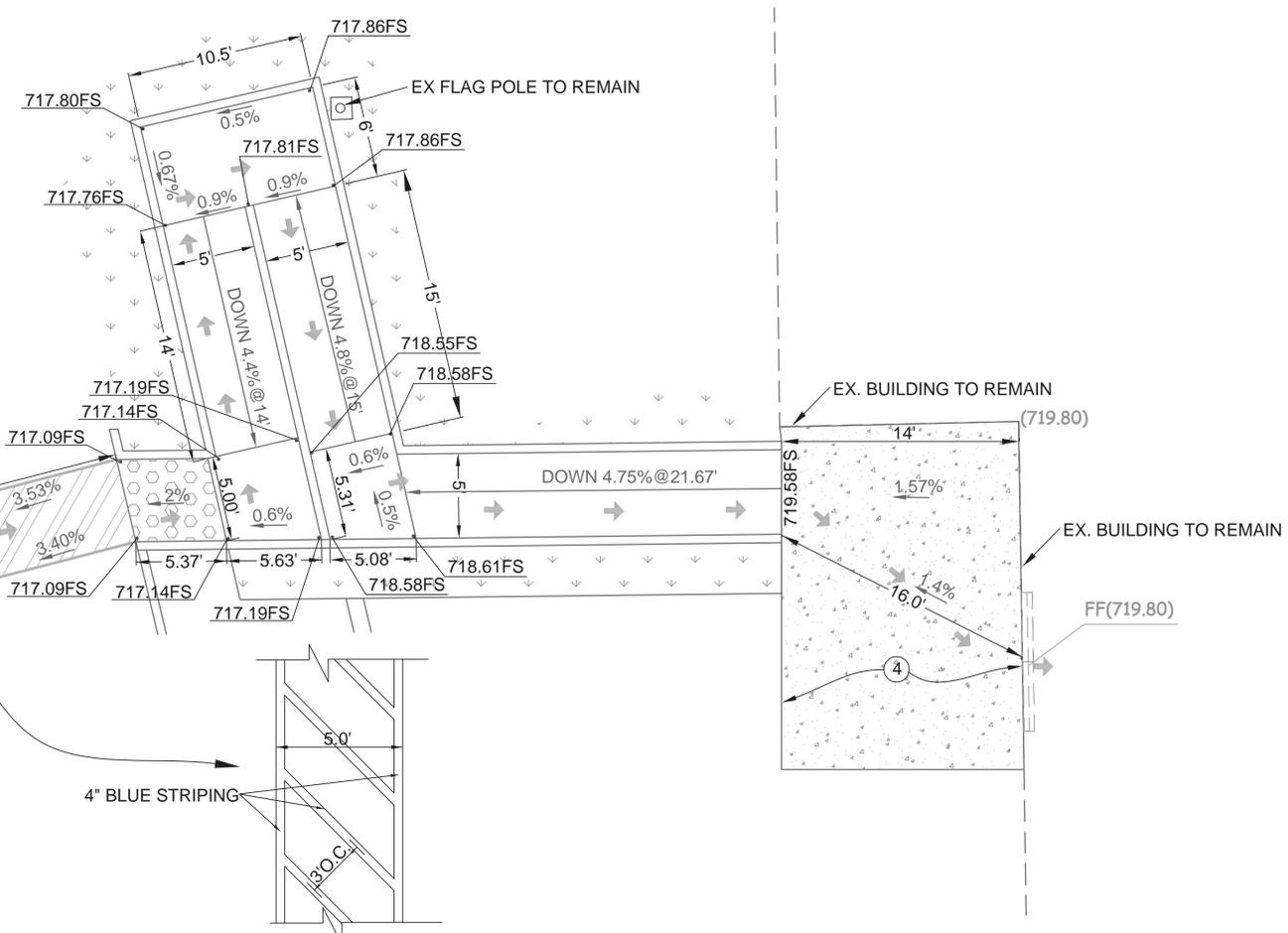
WHITE ON BLUE BACKGROUND

ISA PARKING SIGN (R99)
 12" X 18"
 NOT TO SCALE

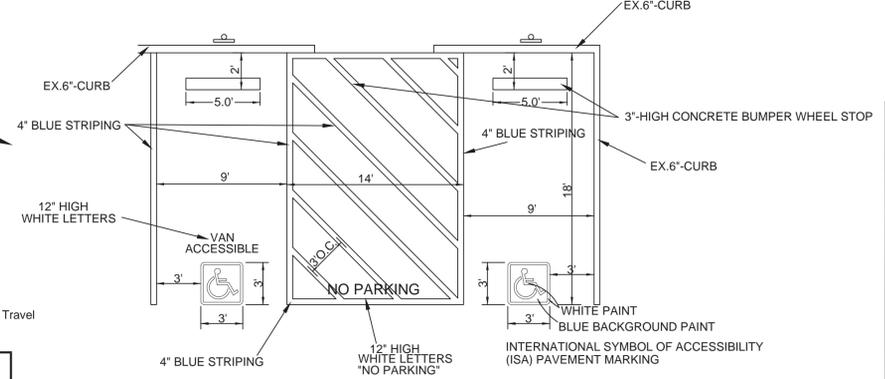


ADA PATH DETAILS
 SCALE: 1"=5'

THIS PORTION IS THE EXISTING HAVE TO VERIFY ONSITE TO MEET ADA REQUIREMENTS

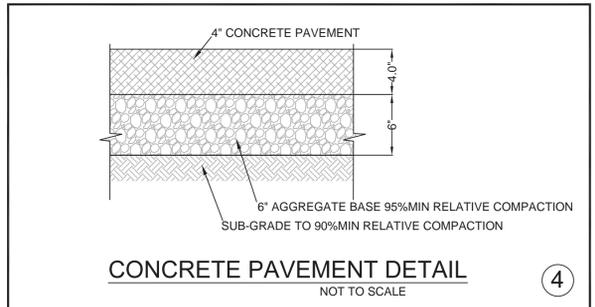


STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION
 CURB AND GUTTER - BARRIER 120-2
 SHEET 1 OF 1

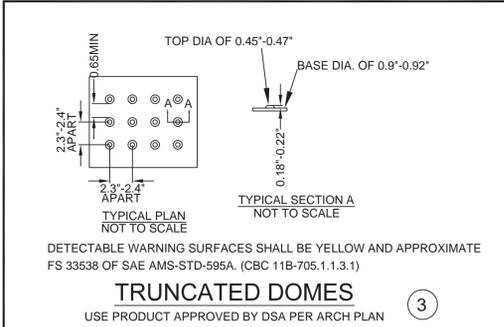


STRIPING DETAIL
 NOT TO SCALE

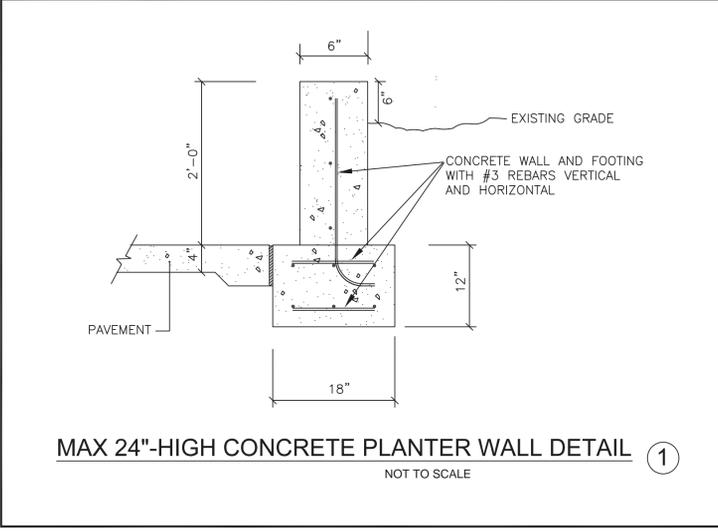
- CONSTRUCTION NOTES:**
- CONSTRUCT MAX 24"-HIGH PLANTER WALL, SEE SHEET 2 FOR DETAILS
 - CONSTRUCT 12"-CONCRETE CURB PER SPPWC STD PLAN 120-2, SEE SHEET 2 FOR DETAILS
 - INSTALL TRUNCATED DOMES, SEE SHEET 2 FOR DETAILS
 - CONSTRUCT 4"-PCC WALKWAY, SEE SHEET 2 FOR DETAILS



CONCRETE PAVEMENT DETAIL
 NOT TO SCALE



TRUNCATED DOMES
 USE PRODUCT APPROVED BY DSA PER ARCH PLAN



MAX 24"-HIGH CONCRETE PLANTER WALL DETAIL
 NOT TO SCALE



BENCHMARK
 B.M. No. E2-J3
 Elevation (ft): (696.956)
 Location Description : P.K. Nail and City Engineer Tag in the Northwesterly curb return of Magnolia Av. and Pierce St.

PLANS PREPARED UNDER THE SUPERVISION OF:
 GUAN WANG, P.E. 79702
 07/23/2024

TRITECH ENGINEERING GROUP
 135 N. SAN GABRIEL BLVD.
 SAN GABRIEL, CA 91775
 TEL: (626) 570-1918
 EMAIL: info@tritechengineer.com

ENTRANCE IMPROVEMENT PLAN
 SCALE: 1"=20'
 DATE: 07/23/2024
 DRAWN BY: SMITH
 REVISED:
 11615 Sterling Ave.
 Riverside, CA 92503
 SHEET 3 OF 4
 JOB NO. 220612

TOPOGRAPHIC MAP

STATE HIGHWAY ROUTE 91

R=4033.94' L=291.22'

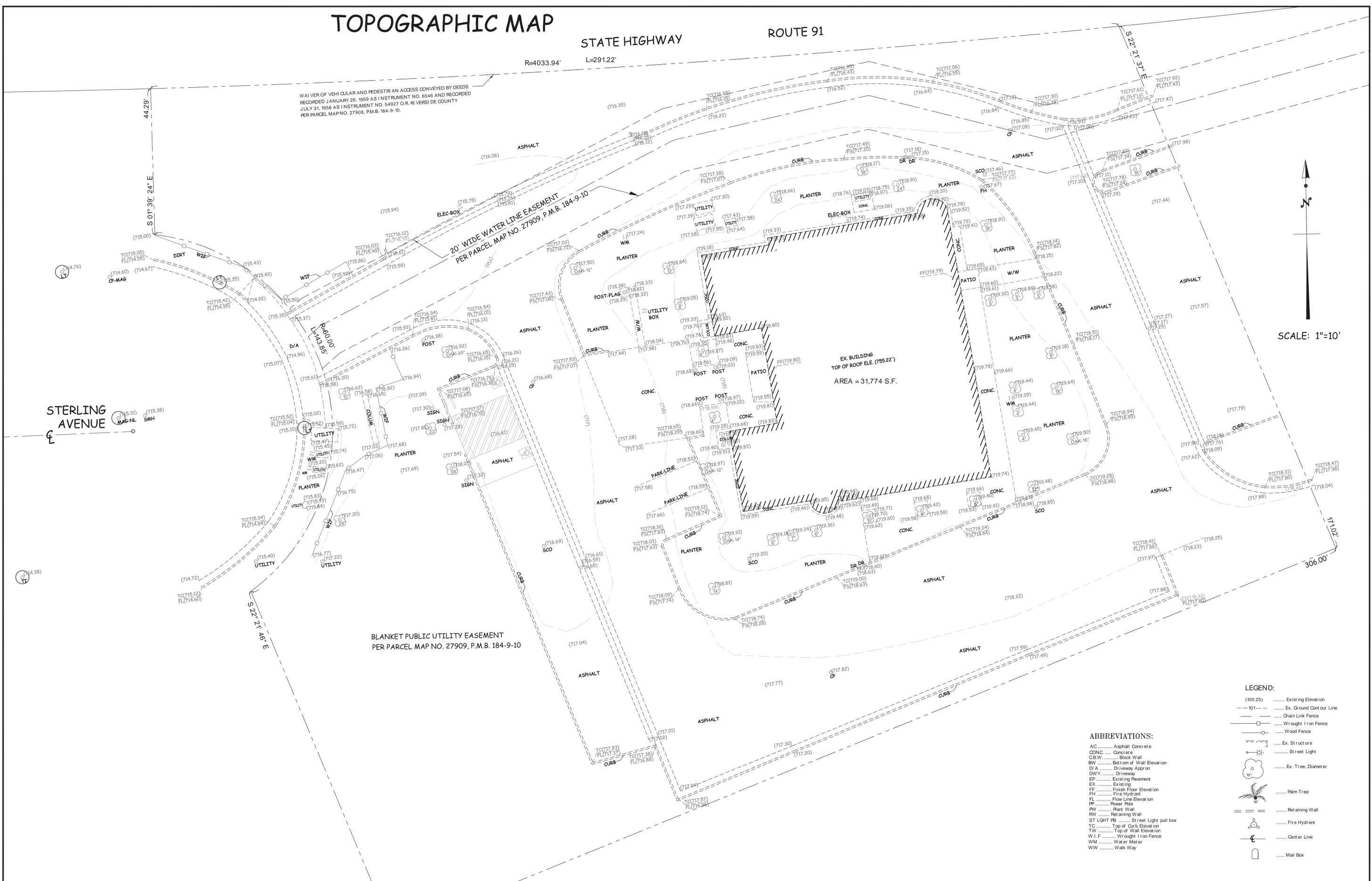
WAI VER OF VEHI CULAR AND PEDESTRIAN ACCESS CONVEYED BY DEEDS RECORDED JANUARY 28, 1959 AS INSTRUMENT NO. 8546 AND RECORDED JULY 31, 1958 AS INSTRUMENT NO. 54927 O.R. RIVERSIDE COUNTY PER PARCEL MAP NO. 27909, P.M.B. 184-9-10.

20' WIDE WATER LINE EASEMENT
PER PARCEL MAP NO. 27909, P.M.B. 184-9-10

BLANKET PUBLIC UTILITY EASEMENT
PER PARCEL MAP NO. 27909, P.M.B. 184-9-10

EX. BUILDING
TOP OF ROOF ELE. (755.22')
AREA = 31,774 S.F.

STERLING AVENUE



NOTE:
1. BOUNDARIES SHOWN PER FILED RECORD DATA. DIMENSIONS TO BE ADDED UPON VERIFICATION BY SEPARATELY FILED RECORD OF SURVEY.
2. TRI TECH IS NOT RESPONSIBLE FOR ANY ITEMS THAT MAY BE OMITTED FROM THIS MAP DUE TO DENSE BRUSH, PARKED AUTOMOBILES, OR OTHER OBSTRUCTIONS AT TIME OF SURVEY. HANDSCAPED W/O SURVEY DATA IS APPROXIMATELY SHOWN.

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREON ARE BASED ON N 87° 31' 14" E OF THE CENTERLINE OF STERLING AVENUE, AS SHOWN IN PARCEL MAP NO. 27909, P.M.B. 184-9-10.



LEGAL DESCRIPTION:

PARCEL 1, OF PARCEL MAP NO. 27909, IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 184, PAGES 9 AND 10 OF PARCEL MAPS AND A PORTION OF PARCEL 1 OF PARCEL MAP NO. 23652, AS PER MAP RECORDED IN BOOK 173, PAGES 23 AND 24 OF PARCEL MAPS, BOTH IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

BENCHMARK INFO:

B.M. NO. E2-J3
ELEVATION (FT): (696.956)
LOCATION ON DESCRIPTION: PK. NAIL AND CITY ENGINEER TAG IN THE NORTHWESTLY CURB RETURN OF MAGNOLIA AV. AND PIERCE ST.



SUBDIVISION LAND SURVEY CIVIL ENGINEERING & DESIGN

155 N. SAN GABRIEL BLVD.
SAN GABRIEL, CA 91775
TEL: (626) 570-1918
EMAIL: info@tritechengineering.com

TOPOGRAPHIC MAP

SCALE: 1"=10'	APN: 132-020-049	DRAWN BY: Rohan
DATE: 07/23/2024	11615 STERLING AVENUE, RIVERSIDE, CA 92503	REVISED: C.M.
SHEET 4 OF 4	JOB NO. 220612	

LEGEND:

(100.25)	..... Existing Elevation
- 101 - -	..... Ex. Ground Contour Line
- - - - -	..... Chain Link Fence
- [ ] - -	..... Wrought Iron Fence
- [ ] - -	..... Wood Fence
[ ]	..... Ex. Structure
[ ]	..... Street Light
[ ]	..... Ex. Tree, Diameter
[ ]	..... Palm Tree
[ ]	..... Retaining Wall
[ ]	..... Fire Hydrant
[ ]	..... Center Line
[ ]	..... Mail Box

ABBREVIATIONS:

AC Asphalt Concrete
CONC Concrete
CBW Block Wall
BW Bottom of Wall Elevation
D/A Driveway Apron
DWY Driveway
EP Existing Pavement
EX Existing
FF Finish Floor Elevation
FH Fire Hydrant
FL Flow Line Elevation
FP Power Pole
PW Plant Wall
RW Retaining Wall
ST LIGHT PB Street Light pull box
TC Top of Curb Elevation
TW Top of Wall Elevation
W.I.F Wrought Iron Fence
WM Water Meter
WW Walk Way