

PITTSBURG UNIFIED SCHOOL DISTRICT ADMINISTRATIVE CENTER

2000 RAILROAD AVENUE, PITTSBURG CA 94565

ABBREVIATIONS

Ø &	DIAMETER OR ROUND AND		
AB	ANCHOR BOLT	MAX	MAXIMUM
ABV	ABOVE	MECH	MECHANICAL
ACT	ACOUSTICAL CEILING TILE	MFR	MANUFACTURER
A/C	AIR CONDITIONED	MIR	MIRROR
AD	AREA DRAIN	MIS	MISCELLANEOUS
ADJ	ADJUSTABLE	MOP	MOP RACK
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
ACGR	AGGREGATE	MTL	METAL
ALUM	ALUMINUM	MUL	MULLION
ALT	ALTERNATIVE		
ANCH	ANCHOR	N	NORTH
APPRO	APPROXIMATE	(N)	NEW
ARCH	ARCHITECTURAL	NO.	NOT IN CONTRACT
ASPH	ASPHALT	OR #	
AUTO	ATTACHMENT	NIC	NOMINAL
	AUTOMATIC	NR	NON-RATED
		NTS	NOT TO SCALE
BD	BOARD		
BITUM	BITUMINOUS	O/	OVER
BLDG	BUILDING	OA	OVERALL
BLKG	BLOCKING	OC	ON CENTER
BTM	BEAM	OD	OUTSIDE DIMENSION
B.O.	BOTTOM OF	OH	OVAL HEAD
BOT	BOTTOM	OPER	OPERABLE
BU	BUILT-UP	OPNG	OPENING
		OZ	OUNCE
C	CHANNEL		
CAB	CABINET	PH	PAN HEAD
CB	CATCH BASIN	PL	PLATE
CC	CENTER TO CENTER	P/L	PROPERTY LINE
CEM	CEMENT	PLAS	PLASTER
CH	COAT HOOK	PLMB	PLUMBING
CIT	CONTROL JOINT	PLY	PLYWOOD
CL	CENTERLINE	PT	PAINT
CLG	CEILING	PT	POINT
CLR	CLEAR	PT	PRESSURE TREATED
CNTR	COUNTER	PTD	PAPER TOWEL DISPENSER
COL	COLUMN		
COMB	COMB		
CONC	CONCRETE	QTY	QUANTITY
CONN	CONNECTION	R	RISER
CONSTR	CONSTRUCTION	RAD	RADIUS
CONTR	CONTINUOUS	RD	ROAD DRAIN
CRPT	CARPET	REJ	RECESSED
CT	CERAMIC TILE	REF	REFERENCE
CTR	CENTER	REFR	REFRIGERATOR
CTSK	COUNTERSINK	REQ	REQUIRED
CW	COLD WATER	RES	RESILIENT
		RET	RETAINING
DBL	DOUBLE	RH	ROUND HEAD
DEPT	DEPTH	RM	ROOM
DF	DIAMETER	RND	ROUND
DIA	DIAMETER	RWL	RAINWATER LEADER
DIAG	DIAGONAL		
DIM	DIMENSION	S	SOUTH
DISP	DISPOSAL	SEE	SEE ARCHITECTURAL DRAWINGS
DN	DOWN	SEE	SEE ARCHITECTURAL DRAWINGS
DSA	DESIGNATION OF THE STATE ARCHITECT	S8	SPASH BOARD
		SCD	SEE CIVIL DRAWINGS
DSP	DRY STANDPIPE	SCED	SEAT COVER DISPENSER
DTL	DETAIL	SCHD	SCHEDULE
DW	DISHWASHER	SCR	SHOWER CURTAIN ROD
DWG	DRAWING	SCR	SOAP DISPENSER
		SED	SEE ELECTRICAL DRAWINGS
E	EAST	SED	SEE ELECTRICAL DRAWINGS
(E)	EXISTING	SH	SHIELD
EAC	EXPANSION ANCHOR	SHT	SHEET
EB	EXPANSION BOLT	SHG	SHIELDING
EJ	EXPANSION JOINT	SHR	SHIELDING
ELEC	ELECTRICAL	SIM	SIMILAR
ELEV	ELEVATION	SLD	SEE LANDSCAPE DRAWINGS
EMER	EMERGENCY	SM	SEE MECHANICAL DRAWINGS
EQUIP	EQUAL	SMS	SHEET METAL SCREW
EW	EACH WAY	SND	SANITARY NAPKIN DISPOSAL
EXH	EXHAUST	SNV	SANITARY NAPKIN VENDOR
EXP	EXPANSION	SPD	SEE PLUMBING DRAWINGS
EXT	EXTERIOR	SPEC	SPECIFICATION
		SQ	SQUARE
FA	FIRE ALARM	SEE	SEE STRUCTURAL DRAWINGS
FD	FLOOR DRAIN	SST	STAINLESS STEEL
FDN	FOUNDATION	ST	STREET
FEC	FIRE EXTINGUISHER CABINET	STD	STANDARD
FHC	FIRE HOSE CABINET	STL	STEEL
FHMS	FLAT HEAD METAL SCREW	STRUC	STRUCTURAL
FHWS	FLAT HEAD WOOD SCREW	SYM	SYMMETRICAL
FIN	FINISH	T	TREAD
FG	FINISH GRADE	TEMP	TEMPERED
FINT	FIXTURE	T&G	TONGUE AND GROOVE
FL	FLUSH	THK	THICKNESS
FLR	FLOOR (ING)	THRESH	THRESHOLD
FLASH	FLASHING	T.O.	TOP OF
FLUOR	FLUORESCENT	TOC	TOP OF CURB
F.O.	FACE OF CONCRETE	TOP	TOP OF PAVEMENT
FOD	FACE OF FINISH	TOP	TOP OF SLAB
FOF	FACE OF FINISH	TOSTL	TOP OF STEEL
PPRF	FIRE RESISTIVE	TOW	TOP OF WALL
FS	FULL SIZE	TPD	TOILET PAPER DISPENSER
FSS	FOLDING SHOWER SEAT	TPY	TYPICAL
FT	FIRE TREATED	UL	UNDERWRITERS LABORATORY
FT	FOOT OR FEET	UNON	UNLESS OTHERWISE NOTED
FTG	FOOTING	VERT	VERTICAL
FURR	FURRING	VIF	VERIFY IN FIELD
FUT	FUTURE		
FXD	FIXED		
G	GAS	W	WEST
GA	GAUGE	W/	WITH
GALV	GALVANIZED	WC	WATER CLOSET
GB	GRAB BAR	WD	WOOD
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	W	WIDE FLANGE
GL	GLASS	WH	WATER HEATER
GSM	GALVANIZED SHEET METAL	WITHOUT	WITHOUT
GYP	GYPSONUM	WSCST	WAINSCOT
GWB	GYPSONUM WALLBOARD	WR	WASTE RECEPTACLE
		WT	WEIGHT
HB	HOSE BIBB	Z	ZEE SECTION
HDR	HEADER		
HDWD	HARDWOOD		
HDRZ	HARDWARE		
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
H.P.	HIGH POINT		
HR	HOUR		
HSS	HOLLOW STRUCTURAL SECTION		
HT	HEIGHT		
HW	HOT WATER		
ID	INSIDE DIAMETER		
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
JAN	JANITOR		
JO	JOINT		
KO	KNOCKOUT		
L	ANGLE		
LAM	LAMINATE		
LAV	LAVATORY		
LBL	LABEL		
LBS	POUNDS		
L.P.	LOW POINT		
LT	LIGHT		

GENERAL NOTES

- A. GENERAL**
1. THE CONTRACT DOCUMENTS INCLUDE THESE DRAWINGS AND THE SPECIFICATIONS.
 2. ALL WORK SHALL CONFORM TO 2019 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
 3. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS, IF ANY, SHALL NOT BE STARTED UNTIL CONTRACTORS DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. SEE LIST OF DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
 4. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
 5. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, C.C.R.
 6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
 7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, C.C.R. A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, C.C.R.)
 8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
 9. USE OF ANY MATERIAL CONTAINING ASBESTOS IS PROHIBITED.
 - 9.1 EXISTING CONSTRUCTION MAY CONTAIN HAZARDOUS MATERIALS. REVIEW THE OWNER'S HAZARDOUS MATERIALS REPORT FOR INFORMATION. REMOVE ANY HAZARDOUS MATERIALS PRIOR TO COMMENCING WORK.
 10. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF BIDS TO REVIEW EXISTING CONDITIONS OF AREA OF THE WORK.
 11. COMPLIANCE WITH CALIFORNIA BUILDING CODE CHAPTER 33 SAFETY DURING CONSTRUCTION, IS REQUIRED AND WILL BE ENFORCED BY THE DISTRICT.
 12. AT ALL TIMES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THE ARCHITECT'S JOBSITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
 13. MEANS AND METHODS: CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL SELECT AND USE TOOLS, SCAFFOLDING, SHORING, EQUIPMENT AND LABOR AND METHODS THAT ARE APPROPRIATE AND ADEQUATE TO COMPLETE THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR SEQUENCING THE WORK.
 14. PERFORM ALL WORK IN AN ORDERLY MANNER WITHOUT DAMAGE TO OTHER PARTS OF THE BUILDING OR ADJACENT PROPERTIES. PROTECT BY ANY ADJACENT COMPLETED WORK OR PARTS OF THE BUILDING TO REMAIN WITH MEANS AVAILABLE TO THE CONTRACTOR INCLUDING BUT NOT LIMITED TO: BARRICADES, PROTECTION BOARDS, DROPOUTS, OR TEMPORARY REMOVAL FOR REINSTALLATION, IF PERMITTED BY OWNERS. ANY RESULTING DAMAGE OR LOSS SHALL BE REPAIRED OR CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
 15. THE CONTRACTOR SHALL BARRICADE THE WORK AREA TO PREVENT ACCESS BY UNAUTHORIZED PERSONS.
- B. DOCUMENTS**
1. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO DESCRIBE LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR WORK UNDER THIS CONTRACT. INCLUDE ALL WORK SHOWN, DESCRIBED, OR REASONABLY IMPLIED BY THE CONTRACT DOCUMENTS. WHERE WORK OR EQUIPMENT IS INDICATED "NOT IN CONTRACT", SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION. NOT IN CONTRACT ITEMS ARE NOT PART OF DSA APPROVAL.
 2. THE CONTRACT DOCUMENTS, INCLUDING THE SPECIFICATIONS AND PLANS AND DRAWINGS, ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ANY ONE SHALL BE AS BINDING AS CALLED FOR BY ALL. SUBSEQUENT ADDENDA, INTERPRETATIONS, OR CHANGE ORDERS SHALL GOVERN OVER THE ORIGINAL DOCUMENTS, UNLESS A DIFFERENT ORDER OF PRECEDENCE IS NOTED ELSEWHERE IN CONJUNCTION WITH A SPECIFIC PORTION OF THE DOCUMENTS.
 3. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. ELEMENTS WITHIN THE DRAWINGS ARE DESCRIBED USING ABSTRACT GRAPHIC SYMBOLS AND CONVENTIONS, WHICH REPRESENT BUILDING ELEMENTS.
 4. ALL ITEMS INDICATED ARE NEW WORK UNLESS NOTED AS EXISTING OR (E).
 5. THESE GENERAL NOTES APPLY TO THE ENTIRE WORK OF THIS CONTRACT.
 6. WITHIN THE DRAWINGS, OTHER GENERAL NOTES OCCUR WHICH DESCRIBE SPECIFIC TYPES OF WORK OR PROCEDURES, SUCH AS "DEMOLITION GENERAL NOTES"; THESE NOTES APPLY TO ALL SIMILAR TYPES OF WORK OR PROCEDURES WITHIN THE ENTIRE CONTRACT.
 7. SHEET NOTES APPLY TO THE DRAWING SHEET ON WHICH THEY OCCUR. KEYNOTES REFER TO SPECIFIC ITEMS ON THE DRAWINGS, AND A KEYNOTE NUMBER ON ONE SHEET SHALL HAVE THE SAME MEANING ON EVERY SHEET.
 8. ALL REQUESTS FOR CLARIFICATIONS OF THESE DRAWINGS SHALL BE DIRECTED TO THE ARCHITECT. REVIEW THE DOCUMENTS IN ADVANCE OF SCHEDULING THE WORK, AND MAKE REQUESTS FOR CLARIFICATION SUFFICIENTLY IN ADVANCE TO AVOID DELAY.
 9. DO NOT SCALE DRAWINGS.
 10. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO DEMOLITION, FABRICATION, ASSEMBLY, OR INSTALLATION OF ANY WORK.
 11. ITEMS INDICATED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK. ITEMS SHALL BE VERIFIED FOR DESIGN INTENT AND COMPATIBILITY WITH APPROPRIATE BUILDING CODES.
 12. NOT ALL CEILING APPURTENANCES (SMOKE DETECTORS, EXHAUST FANS, ACCESS DOORS, ETC.) ARE SHOWN. CONTRACTOR TO FIELD VERIFY AND TAKE APPROPRIATE ACTION TO ACCOMMODATE THESE ITEMS.
 13. VERIFY ALL EXISTING CONDITIONS AND PROPOSED DIMENSIONS AT JOB SITE. EXISTING DIMENSIONS GIVEN ARE TAKEN FROM INFORMATION PROVIDED BY THE OWNER'S SURVEY. REVIEW ALL DRAWINGS AND DIMENSIONS BEFORE COMMENCING WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. DO NOT PROCEED WITH WORK UNTIL DISCREPANCIES ARE RESOLVED.
 14. WHERE ON ANY DRAWING A PORTION OF THE WORK IS DRAWN OUT AND THE REMAINDER IS INDICATED IN OUTLINE, THE DRAWN OUT PARTS SHALL APPLY TO ALL OTHER LIKE PORTIONS OF THE WORK, WHERE ORNAMENT OR OTHER DETAIL IS INDICATED AS STARTING, SUCH DETAIL SHALL BE CONTINUED THROUGHOUT THE COURSES OR PORTIONS IN WHICH IT OCCURS AND SHALL ALSO APPLY TO OTHER SIMILAR PARTS OF THE WORK, UNLESS OTHERWISE INDICATED.
 15. IN CASE OF CONFLICT BETWEEN THE DOCUMENTS, THE DOCUMENT CONTAINING ADDITIONAL QUANTITIES SHALL GOVERN IN MATTERS OF QUANTITY, AND THE DOCUMENT REQUIRING A HIGHER DEGREE OF QUALITY SHALL GOVERN IN MATTERS OF QUALITY. IN CASE OF CONFLICT WITHIN THE DRAWINGS INVOLVING QUANTITIES OR WITHIN THE SPECIFICATIONS INVOLVING QUALITY, THE GREATER QUANTITY AND THE HIGHER QUALITY SHALL BE FURNISHED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL SUCH QUANTITY AND QUALITY CONFLICTS AND SHALL AGREE UPON RESOLUTION, IN WRITING, PRIOR TO PROCEEDING.
 16. STRUCTURAL DRAWINGS GOVERN FOR SPACING AND SIZING FOR ALL STRUCTURAL MEMBERS, REINFORCING AND INSTALLATION DETAILS. VERIFY ANY CONFLICT BETWEEN STRUCTURAL AND OTHER DOCUMENTS WITH THE ARCHITECT PRIOR TO PROCEEDING.
 17. WORK NOT DETAILED, MARKED OR SPECIFIED IN PARTICULAR, WILL BE AS SIMILAR WORK THAT IS DETAILED, MARKED, OR SPECIFIED. ALL TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE UNLESS NOTED OTHERWISE. ALL DETAILS SHALL BE CONSIDERED TYPICAL AT SIMILAR CONDITIONS.
 18. THE TERM "TYPICAL" (TYP) SHALL MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS DESIGNATED FOR WORK.
 19. DIMENSIONS GIVEN AS NOMINAL ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MUST BE VERIFIED THROUGH FIELD LAYOUT.
 20. ALL PLAN DIMENSIONS ARE GIVEN TO FACE OF FINISH AND CENTERLINE OF WINDOWS UNLESS OTHERWISE NOTED. VERTICAL DIMENSIONS GIVEN TO TOP OF SLAB AND TOP OF PLYWOOD FLOOR OR ROOF SHEATHING UNLESS OTHERWISE NOTED.
 21. ALL DOORS ARE DIMENSIONED FROM ADJACENT WALL TO HINGE SIDE OF FRAME ACCORDING TO TYPICAL DOOR FRAME DETAIL, UNLESS OTHERWISE NOTED.
 22. SEE DOOR AND WINDOW SCHEDULES FOR UNIT DIMENSIONS. SEE THE SCHEDULE OF KEYNOTES FOR A LIST OF KEYNOTES FOR THIS PROJECT. IF ANY KEYNOTE ON ANY ARCHITECTURAL SHEET IS LEGIBLE OR MISSING REFER TO THE SCHEDULE OF KEYNOTES.
 23. MATCH LINES ARE INDICATORS OF WHERE ADJOINING FLOOR PLANS MEET. SEE PLANS ON BOTH SIDES OF MATCH LINES FOR WORK OVERLAPPING MATCH LINE.

C. FIELD CONDITIONS

1. THE CONTRACTOR SHALL MAINTAIN THE PUBLIC RIGHTS OF WAY AFFECTED BY CONSTRUCTION CLEAN AND FREE OF ALL SOIL, DEBRIS, TRASH, ETC. ON A DAILY BASIS. MAINTAIN SIDEWALKS, MEANS OF EGRESS, CORRIDORS, ETC. CLEAR, UNOBSTRUCTED, CLEAN, UNDEGRADED AND FREE OF ALL SOIL, DEBRIS, TRASH, ETC. ON A DAILY BASIS. CLEAN EGRESS SHALL BE MAINTAINED AT ALL TIMES FOR ALL BUILDING OCCUPANTS.
 2. THE CONTRACTOR SHALL SECURE PERMIT FROM GOVERNING AGENCIES FOR WORK IN RIGHTS OF WAY AND/OR SCAFFOLDING.
 3. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID INTERCEPTING EXISTING UTILITIES OR CONDUITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS AND TO PROTECT THEM FROM DAMAGE. THE DISTRICT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH PROSECUTION OF THIS WORK.
 4. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED DURING THE COURSE OF THE WORK SHALL BE PROMPTLY REPAIRED. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED, FOR WHICH LOCATIONS WERE UNKNOWN, SHALL BE IMMEDIATELY BROUGHT TO THE OWNERS AND ARCHITECT'S ATTENTION AND PROMPTLY REPAIRED AT HIS/HER DIRECTION. THE WORK REQUIRED TO REPAIR DAMAGED EXISTING UTILITIES AND IMPROVEMENTS FOR WHICH LOCATIONS WERE UNKNOWN WILL BE REVIEWED AND TAKEN UNDER CONSIDERATION AS EXTRA WORK.
- D. FIRE SAFETY**
1. GENERAL: FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 CHAPTER 33.
 2. ACCESS ROADS: FIRE DEPARTMENT ACCESS ROADS SHALL BE ESTABLISHED AND MAINTAINED IN ACCORDANCE SECTION 503.
 3. WATER SUPPLY: WATER MAINS AND HYDRANTS SHALL BE OPERATIONAL IN ACCORDANCE WITH SECTION 903.
 4. BUILDING ACCESS: ACCESS TO BUILDINGS FOR THE PURPOSE OF FIRE FIGHTING SHALL BE PROVIDED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS BUILDINGS, HYDRANTS OR FIRE APPLIANCES.
 5. ALTERATIONS OF BUILDINGS: SHALL COMPLY WITH CFC CHAPTER 33.
 6. DEMOLITION OF BUILDINGS: SHALL COMPLY WITH CFC CHAPTER 33.
 7. FIRE WATCH: MAINTAIN FIRE WATCH WHEN REQUIRED BY THE BUILDING OFFICIAL AND WHEN EXISTING FIRE PROTECTION SYSTEMS ARE SHUT DOWN FOR ALTERATIONS. FIRE WATCH SHALL JOBSITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
 8. PENETRATIONS OF FIRE RATED MATERIALS OR ASSEMBLIES SHALL BE RESTORED TO EQUAL RATING. FIRE STOP SYSTEMS AS LISTED BY UNDERWRITERS LABORATORIES SHALL BE INSTALLED PER FIRE RESISTANCE DIRECTORY. FIRE STOP SYSTEMS SHALL BE AS SPECIFIED.
 9. OBTAIN APPROVAL FROM LOCAL FIRE AUTHORITY PRIOR TO STORAGE OF CONSTRUCTION MATERIAL AND AFFECTED CONSTRUCTION IN EXISTING OCCUPIED BUILDING.
 10. PROTECT SMOKE DETECTORS NEAR CONSTRUCTION AREAS WITH A VISQUEEN OR SIMILAR WRAP. REMOVE PROTECTION AT END OF EACH WORKING DAY.
 11. ALL FIRE ALARM INITIATING DEVICES (ALARM BOXES) TO BE MOUNTED PER I-24 CCR PART 3 ARTICLE 760-9.
 12. ALL FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO THE INSTALLATION.
 13. ANY NEW EXIT SIGN SHALL BE INTERNALLY ILLUMINATED AND THE WORD "EXIT" SHALL BE GREEN ON OPAQUE BACKGROUND PER CBC SECTION 1013.6.3.
 14. PROVIDE TWO SEPARATE CIRCUITS FOR ANY NEW EXIT SIGNS TO CONFORM TO CBC SECTION 1013.6.3.
 15. ALL CEILING AND MECHANICAL EQUIPMENT PLenums THAT ARE NEW OR TO RECEIVE NEW WORK SHALL BE CLEAN AND FREE OF DEBRIS PRIOR TO CLOSING IN AND PRIOR TO RETURN AIR FAN START-UP.
- E. EXTERIOR ACCESSIBILITY**
1. ALL NEW WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL, SHALL BE A MINIMUM OF 48" WIDE.
 2. ALL NEW SURFACES WITH A SLOPE LESS THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP RESISTANT AS THAT DESCRIBED AS A MEDIUM BROOM FINISH.
 3. ALL NEW SURFACES WITH A SLOPE GREATER THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP RESISTANT AS THAT DESCRIBED AS A HEAVY BROOM FINISH.
 4. ALL NEW SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT.
 5. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE AT LEAST 5 FEET IN LANDING LENGTH AT INTERVALS OF EVERY 30 INCHES IN VERTICAL RISE.
 6. SURFACE SLOPE FOR ACCESSIBLE PARKING SPACES FOR THE PHYSICALLY DISABLED SHALL NOT EXCEED 1/4 INCH PER FOOT IN ANY DIRECTION.
 7. WALKS SLOPING +5% SHALL BE CONSTRUCTED AS RAMPS. SLOPE OF PAVED AREAS SHALL NOT EXCEED 8.33%.
- F. INTERIOR ACCESSIBILITY**
1. ALL HOT WATER AND DRAINPINES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
 2. ALL FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN FIVE POUNDS.
 3. ACCESSIBLE TOILET ROOM IDENTIFICATION SYMBOLS ARE TO BE PROVIDED PER CCR TITLE 24 AT ACCESSIBLE TOILET FACILITIES.
 4. ANY NEW DRINKING FOUNTAIN SHALL BE ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A PHYSICALLY CHALLENGED PERSON SUCH AS A HAND-OPERATED LEVER TYPE CONTROL LOCATED WITHIN 6 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN, ETC. THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN.
- G. CONSTRUCTION**
1. PENETRATIONS IN FIRE RATED ASSEMBLIES AND BEARING WALLS SHALL BE PROTECTED AS REQUIRED BY CHAPTER 7.
 2. ALL NEW FINISH MATERIALS SHALL BE MAINTAINED IN A FLAME RETARDANT CONDITION. (CCR T-19, SEC. 1.14, 3.08, 3.21)
 3. ANY NEW FURRED CEILINGS SHALL BE CONSTRUCTED AS REQUIRED IN CBC SEC. 2504 AND TABLE 2508.1.
 4. ANY NEW SUSPENDED ACOUSTICAL CEILING BOARD SHALL BE NON-COMBUSTIBLE.
 5. ALL NEW WALL AND CEILING MATERIALS IN EXIT CORRIDORS SHALL COMPLY WITH CBC SEC. 803.
- H. ROOFING AND INSULATION**
1. WHERE CEILING OR ROOF MOUNTED EQUIPMENT/PENETRATIONS ARE REQUIRED TO BE REMOVED OR INSTALLED, CONTRACTOR SHALL PROVIDE ROOFING AND FLASHING TO PROTECT THE CONDITION.
 2. ALL INSULATION MATERIAL SHALL MEET THE CALIFORNIA QUALITY STANDARD PER SECTION 2.3311 B.1.1.1. INSULATION SHALL MEET CBC SECTION 1508 AND WALL INSULATION SHALL MEET CBC SECTION 719.
 3. ALL ROOFING SHALL BE CLASS A FIRE RETARDANT.
- I. DEMOLITION**
1. DEMOLISH AND REMOVE FROM THE PREMISES ALL PARTS OF THE EXISTING BUILDING INDICATED FOR DEMOLITION OR REQUIRED TO BE DEMOLISHED FOR THE INSTALLATION OF NEW WORK.
 2. ALL ITEMS NOTED TO BE SALVAGED SHALL BE RETURNED TO THE OWNER. THE OWNER RETAINS THE RIGHT TO SALVAGE ANY EXISTING MATERIAL INDICATED OR REQUIRED TO BE REMOVED OR DEMOLISHED.
 3. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND FIELD VERIFYING DEMOLITION REQUIREMENTS IN RELATION TO CONSTRUCTION DRAWINGS. THE ARCHITECT IS TO BE NOTIFIED OF ANY CONFLICTS, DISCREPANCIES OR PROBLEMS.
 4. CONSTRUCTION DEBRIS AND WASTES SHALL BE DEPOSITED AT AN APPROPRIATE SITE. THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY ITS OPERATIONS. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL CLEAN ALL GLASS SURFACES AND LEAVE THE WORK IN A CLEAN CONDITION READY FOR OCCUPANCY.

GOVERNING CODES AND STANDARDS

- 1. LIST OF APPLICABLE CODES - FEDERAL ACCESSIBILITY**
AMERICANS WITH DISABILITIES ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
ANSI STANDARDS: ANSI A117.1 2003.
- 2. LIST OF APPLICABLE CODES - CALIFORNIA CODE OF REGULATIONS**
2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1 TITLE 24 C.C.R.
2019 CALIFORNIA BUILDING CODE (CBC) PART 2, VOL. 1-2, TITLE 24 C.C.R.
(2018 INTERNATIONAL BUILDING CODE W/ 2019 CALIFORNIA AMENDMENTS)
2018 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 C.C.R.
(2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 C.C.R.
(2018 UNIFORM PLUMBING CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA ENERGY CODE (CEN) PART 6, TITLE 24 C.C.R.
2019 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE PART 7, TITLE 24 C.C.R.
2019 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24 C.C.R.
(2017 INTERNATIONAL FIRE CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
2018 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
C.C.R. TITLE 19 - REGULATIONS OF THE STATE FIRE MARSHAL
- 3. PARTIAL LIST OF APPLICABLE STANDARDS-AS AMENDED BY CA**
REFERENCE CODE FOR STANDARDS - CBC (SFM) CHAPTER 35
NFPA 13-2016: AUTOMATIC SPRINKLER SYSTEMS - CA AMENDED
NFPA 14-2013: STANDPIPE AND HOSE SYSTEMS - CA AMENDED
NFPA 17-2013: DRY CHEMICAL EXTINGUISHING SYSTEMS
NFPA 17A-2013: WET CHEMICAL EXTINGUISHING SYSTEMS
NFPA 20-2016: STATIONARY FIRE PUMPS FOR FIRE PROTECTION
NFPA 24-2016: PRIVATE FIRE SERVICE MAINS - CA AMENDED
NFPA 25-2013: INSPECTION, TESTING, MAINTENANCE WATER BASED SYSTEMS
NFPA 72-2016: NATIONAL FIRE ALARM CODE - CA AMENDED
NFPA 80-2016: FIRE DOORS AND OTHER OPENING PROTECTIVES
NFPA 110-2016: EMERGENCY AND STANDBY POWER SYSTEMS
NFPA 110-2016: STANDARD FOR FIRE SAFETY AND EMERGENCY SYSTEMS
NFPA 253-2013: CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS
NFPA 2001-12: CLEAN AGENT FIRE EXTINGUISHING SYSTEMS AS AMENDED
- SFM 12-10-1: POWER OPERATED EXIT DOORS
SFM 12-10-2: SINGLE POINT LATCHING OR LOCKING DEVICES
SFM 12-10-3: EMERGENCY EXIT AND PANIC HARDWARE
- UL 38: MANUAL OPERATING SIGNAL BOXES, 1999 EDITION W/ REVISIONS THROUGH FEBRUARY 2, 2005 AS AMENDED.
UL 268: SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 2009 EDITION
UL 268A: SMOKE DETECTORS DUCT APPLICATIONS, 1998 EDITION W/ REVISIONS THROUGH OCTOBER 22, 2003.
UL 305: PANIC HARDWARE 2012 EDITION
UL 464: AUDIBLE SIGNAL APPLIANCES, 2016 EDITION
UL 346: WATER FLOW INDICATORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION
UL 464: AUDIBLE SIGNAL APPLIANCES, 2003 EDITION
UL 521: HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2003 EDITION W/ REVISIONS THROUGH FEBRUARY 2009.
UL 864: STANDARD FOR SINGLE- AND MULTIPLE STATION CARBON MONOXIDE ALARMS, 2008 EDITION W/ REVISIONS THROUGH FEBRUARY 2009.
- 4. LIST OF ADMINISTRATIVE REQUIREMENTS CALIFORNIA CODE OF REGULATIONS, PART 1, TITLE 24, CHAPTER 4 (PARTIAL LISTING ONLY)**
1. A COPY OF PARTS 1-5, TITLE 24, C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
 2. ALL CONSTRUCTION CHANGE DOCUMENTS (CCD) AND ADDENDA TO BE SIGNED BY THE ARCHITECT AND THE OWNER AND APPROVED BY DSA. CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24.
 3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED T & I SHEET.
 4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335 OF PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR.
 - 5

5

4

3

2

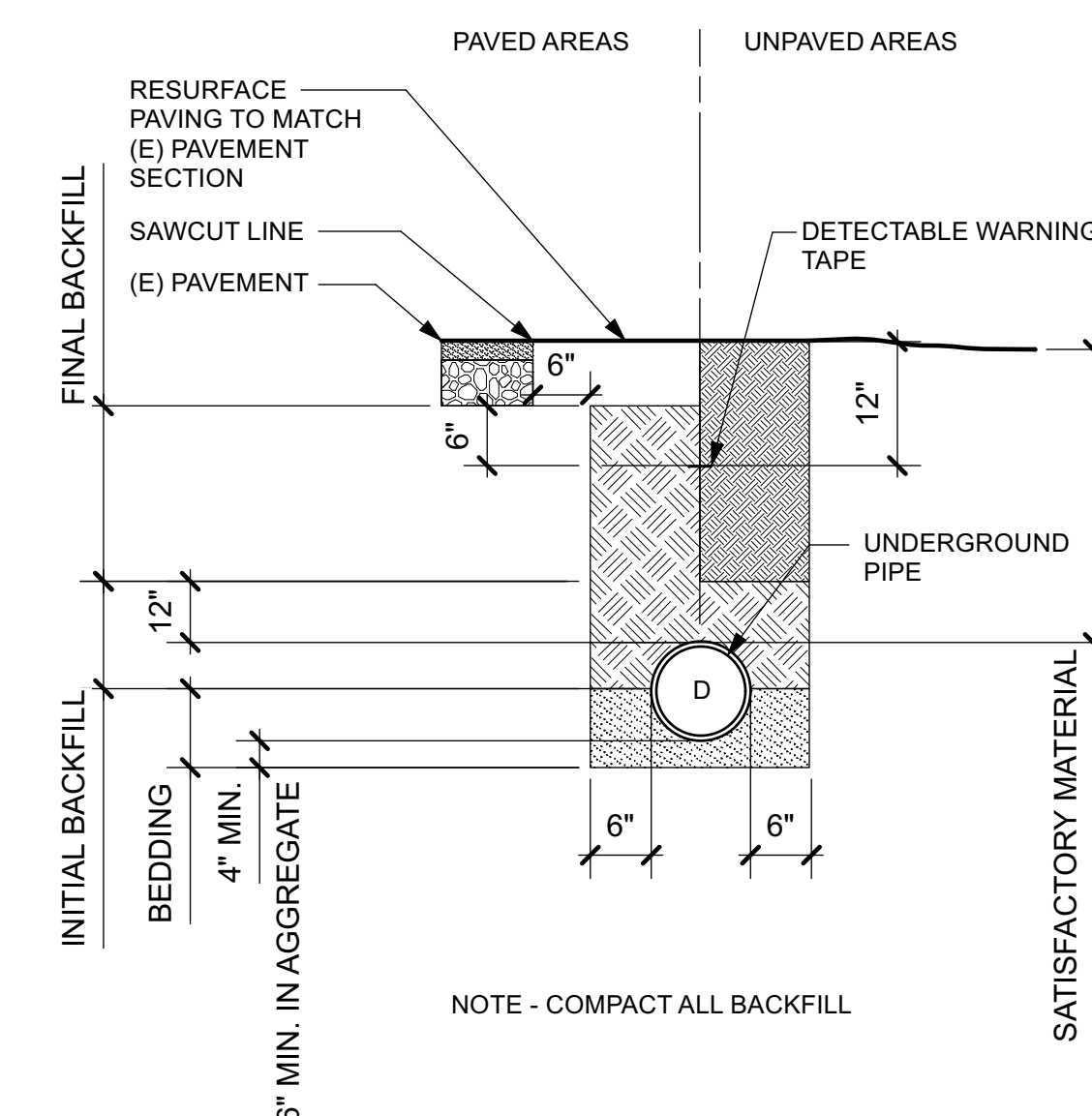
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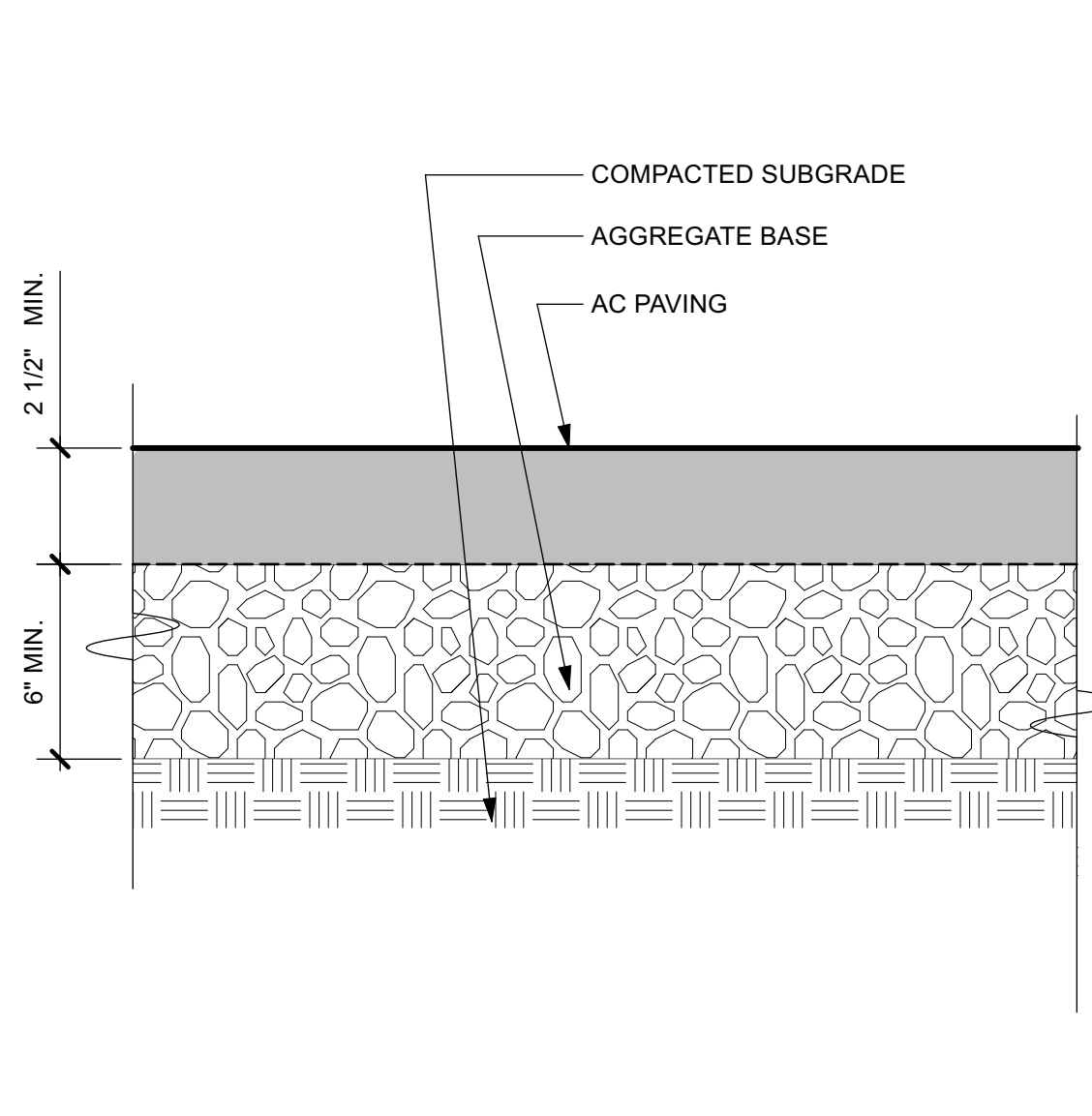
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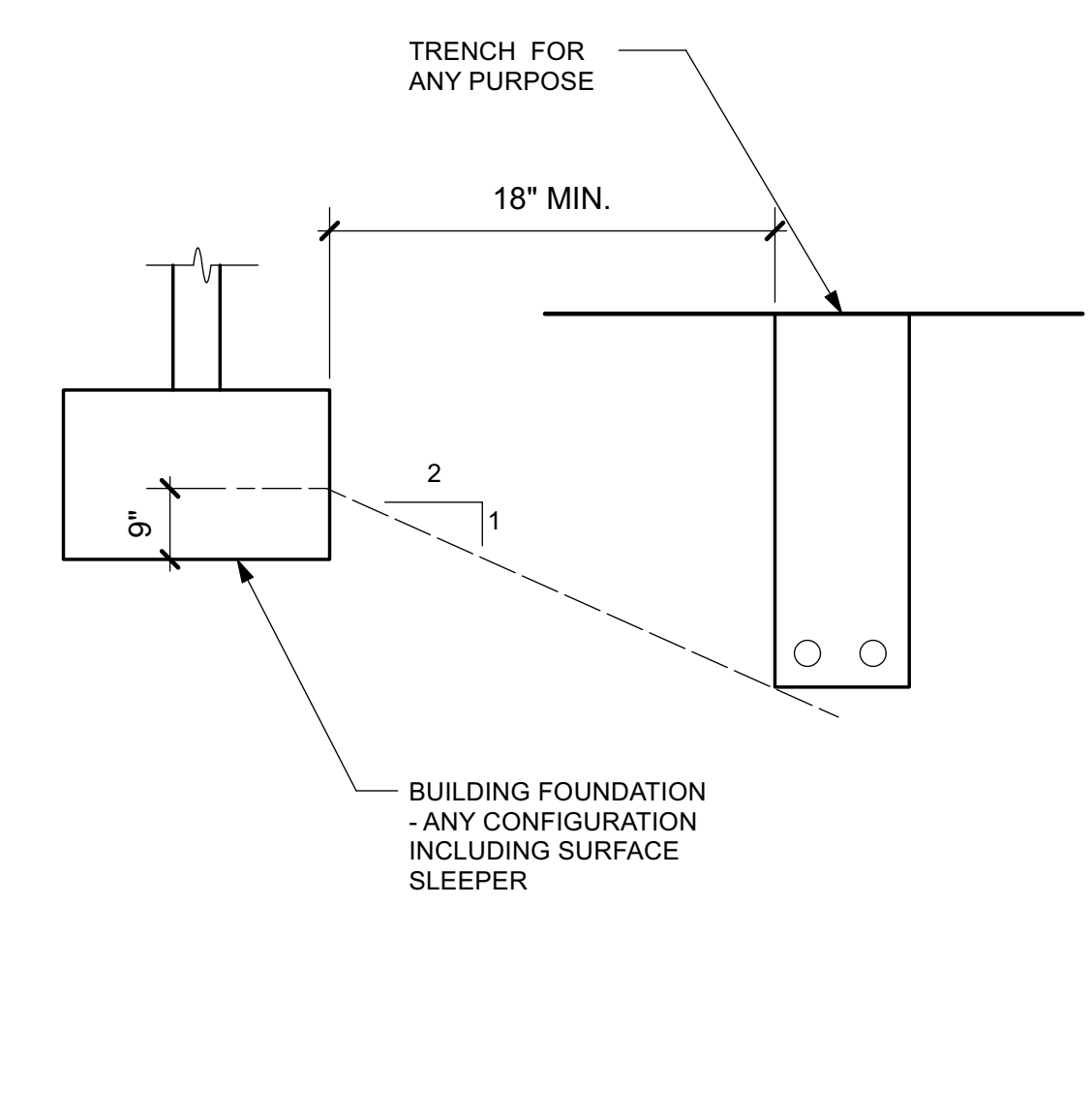
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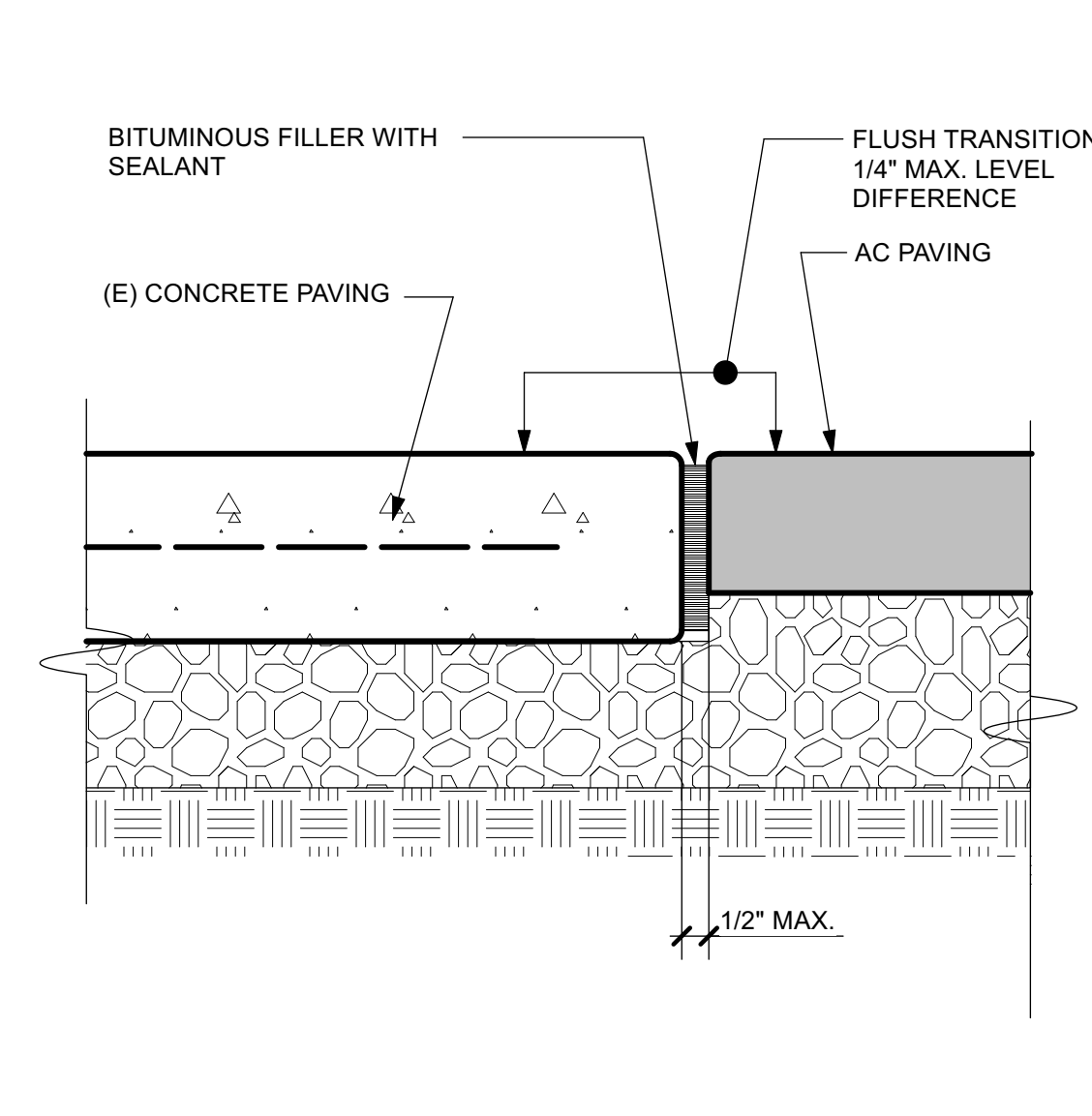
5 TYPICAL TRENCH
Scale: NTS



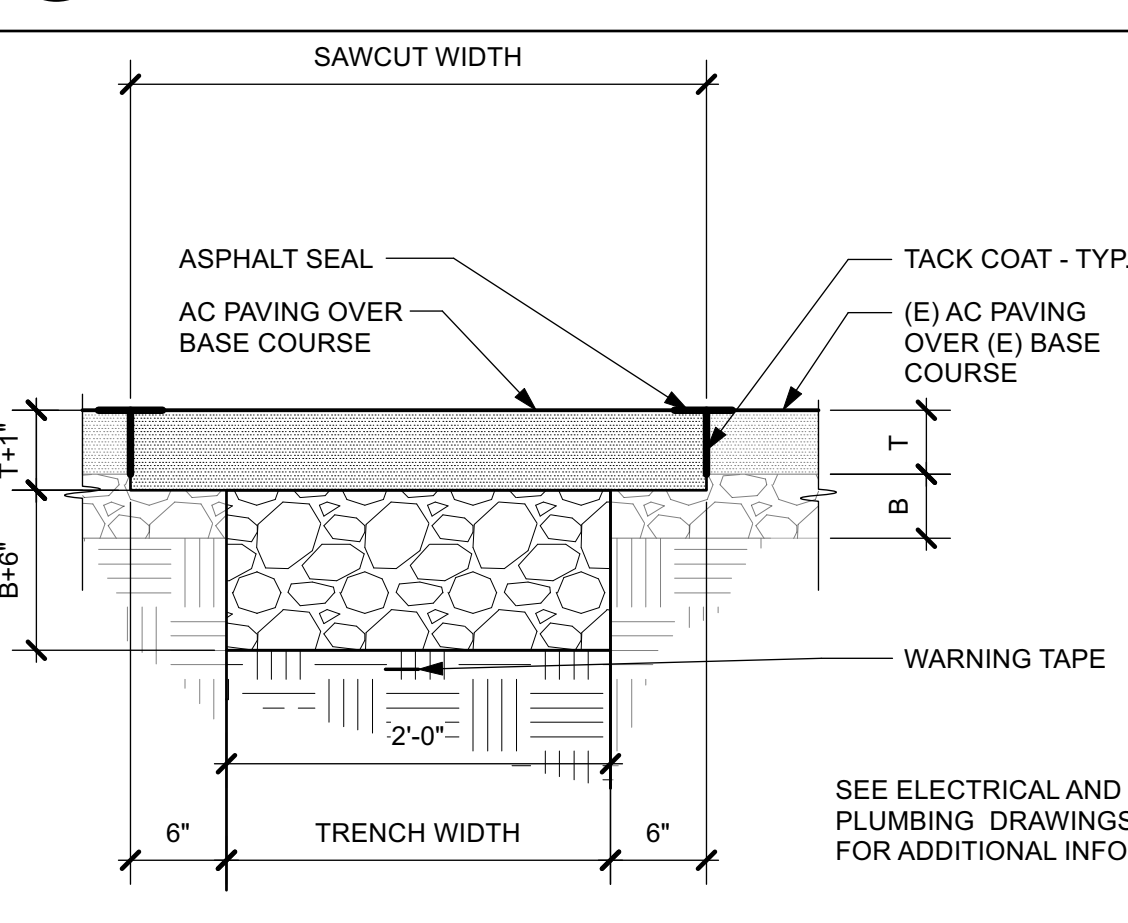
1 AC PAVING
Scale: 3\"/>



6 TYPICAL TRENCH AT BUILDING FOUNDATION
Scale: NTS

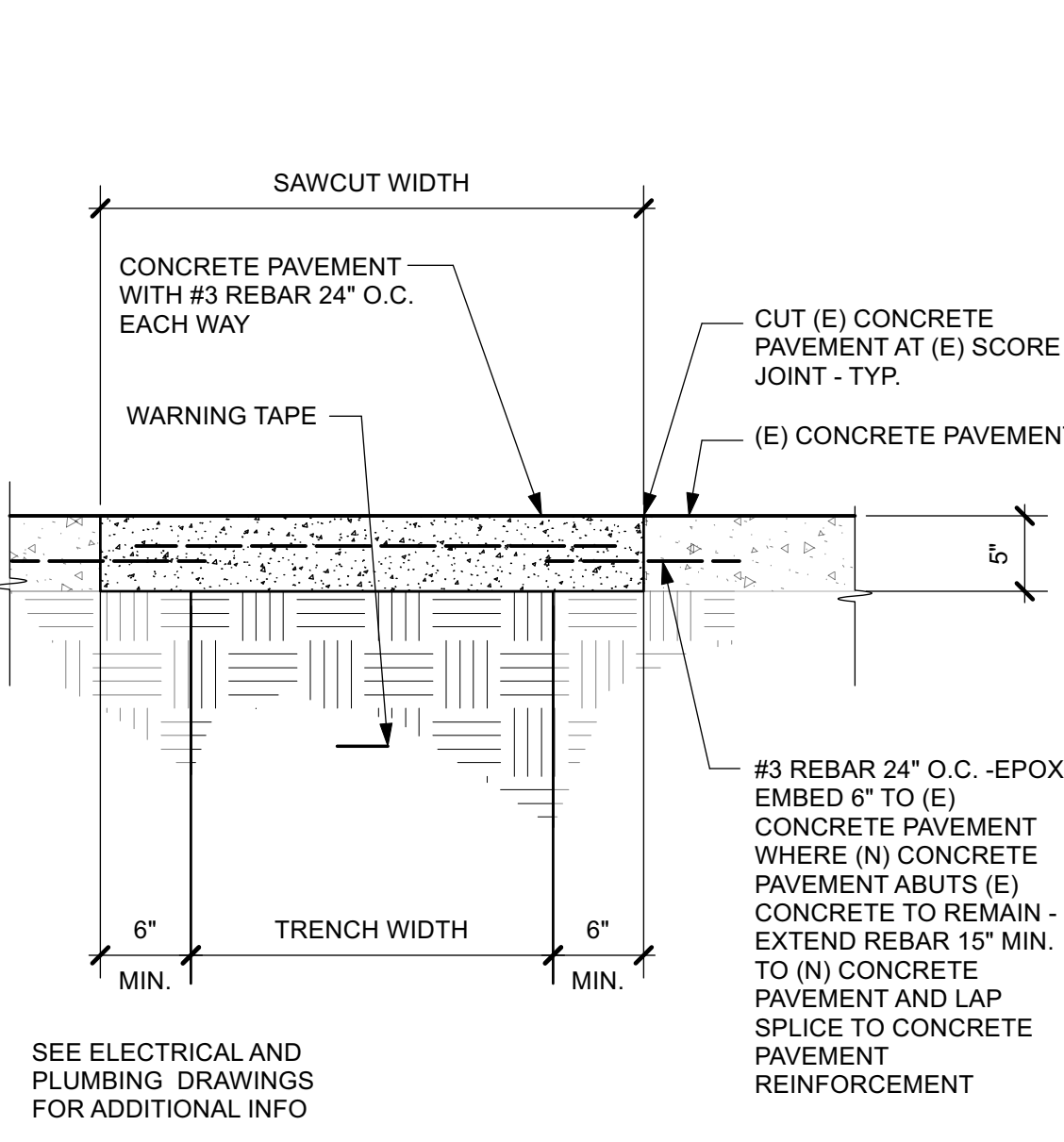


2 CONCRETE PAVING JOINTS @ A.C.
Scale: 3\"/>



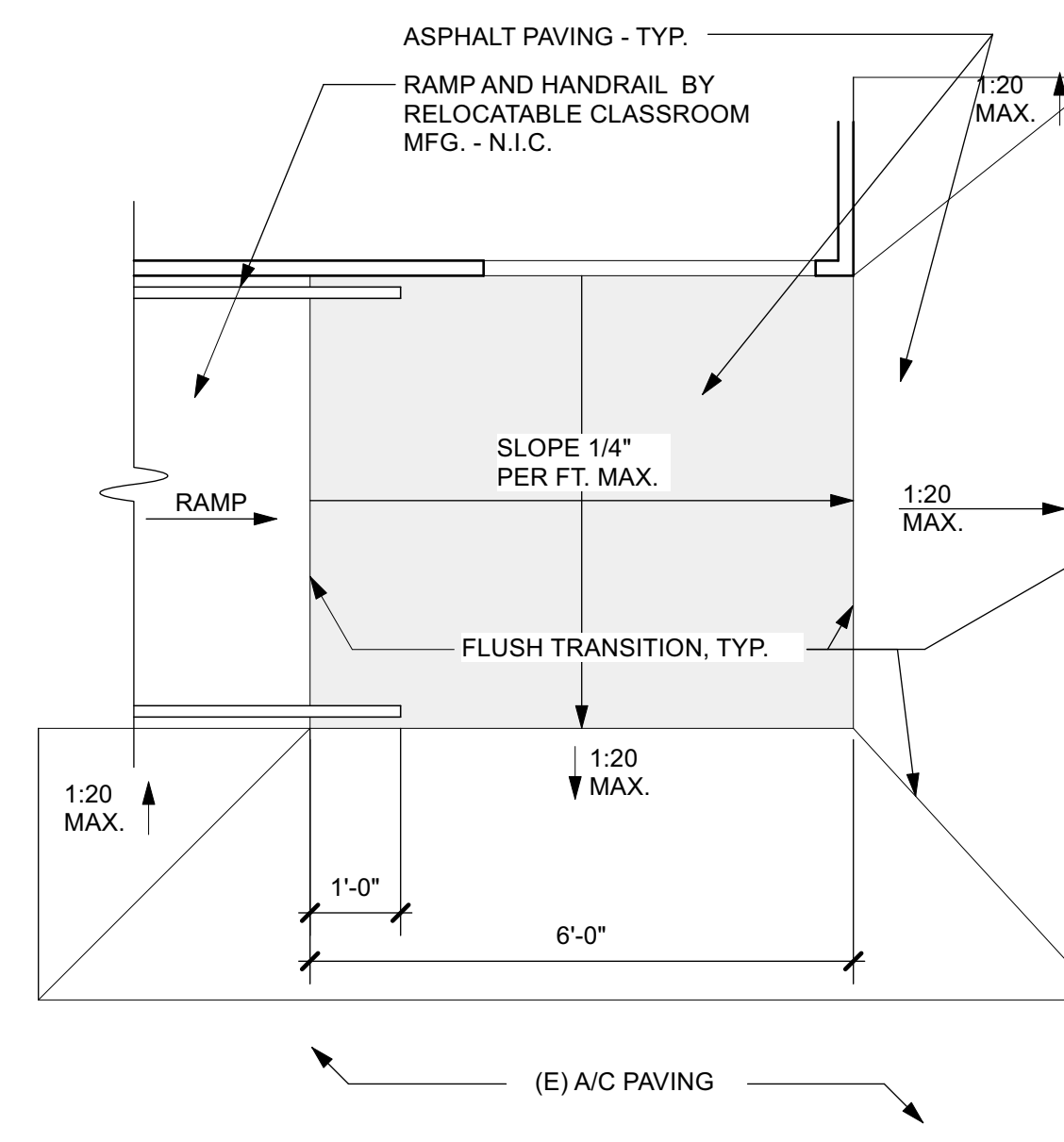
7 ASPHALT PAVING PATCH @ TRENCH
Scale: 1\"/>

NOTES:
1. IF NOT OTHERWISE SPECIFIED, TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% R.C.
2. TEMPORARY PAVEMENT RESURFACING SHALL BE PLACED AT THE CONTRACTORS EXPENSE. IT SHALL BE PLACED LEVEL WITH THE EXISTING PAVEMENT ON COMPACTED TRENCH BACKFILL AND SHALL BE A MINIMUM OF 2\"/>



8 CONCRETE PAVEMENT PATCH @ TRENCH
Scale: 1\"/>

SEE ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFO



4 AC PAVING TRANSITION AT BASE OF RAMP
Scale: 1/2\"/>

SHEET NOTES

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	3/3/2022
2	BID DOCUMENTS	12/14/22
3	BID DOCUMENTS	1/19/23

APPROVALS

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LEGEND

KEY PLAN
DRAWING TITLE

TYPICAL SITE DETAILS

SHEET NUMBER

A1.10

CAD FILE: Unfiled 4
DATE: 11/2/2022 PROJECT NO: 2022.150

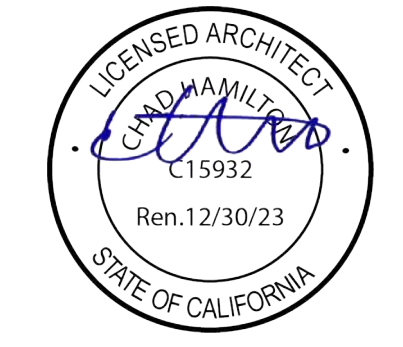
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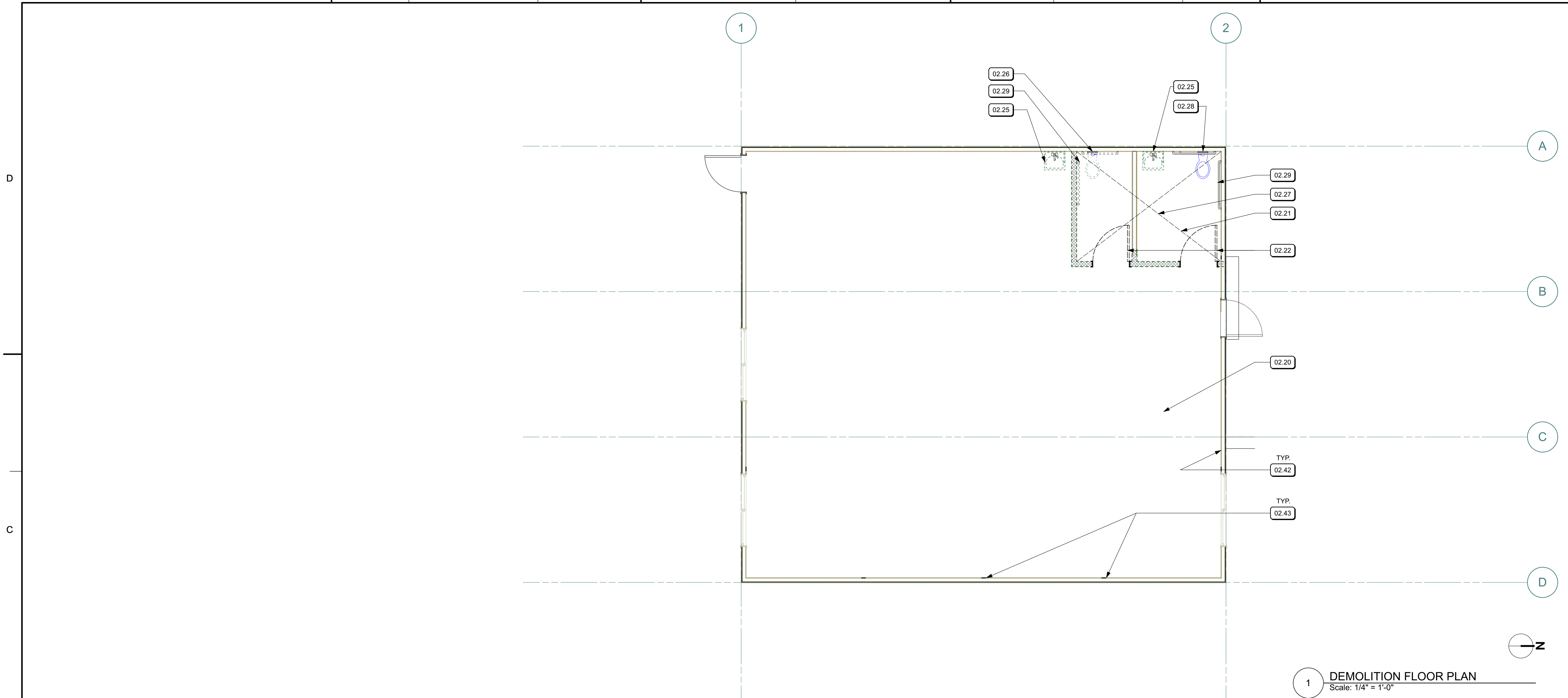
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1 DEMOLITION FLOOR PLAN
Scale: 1/4" = 1'-0"

KEY NOTES

REF	KEY NOTE
02.20	DEMO (E) CARPET FLOORING
02.21	DEMO (E) RESILIENT SHEET FLOORING
02.22	DEMO (E) DOORS AND FRAMES - SALVAGE DOOR HARDWARE AND RETURN TO DISTRICT
02.25	SALVAGE (E) LAVATORY, FAUCET, PAPER TOWEL AND SOAP DISPENSER - RETURN PAPER TOWEL AND SOAP DISPENSER TO DISTRICT
02.26	DEMO (E) WATERCLOSET, WATER SUPPLY, TOILET FLANGE AND DRAIN PIPE
02.27	DEMO (E) FRP PANELS ON WALLS
02.28	SALVAGE (E) WATER CLOSET
02.29	SALVAGE (E) TOILET ACCESSORIES - RETURN TO DISTRICT
02.30	DEMO ENTIRE (E) SUSPENDED ACOUSTIC TILE CEILING, INCLUDING SUSPENSION WIRES AND PERIMETER ANGLES
02.31	DEMO (E) GYPSUM BOARD CEILING, JOISTS, LIGHT FIXTURES, CEILING ACCESSORIES, AIR REGISTERS AND DUCTS
02.32	SALVAGE (E) CEILING MOUNTED SMOKE AND HEAT DETECTORS AND FIRE ALARM DEVICES - RETURN TO DISTRICT
02.33	DEMO (E) LIGHT FIXTURES
02.42	DEMO (E) WALL COVERING AND 1/2" FIBERBOARD AROUND ENTIRE INTERIOR WALL PERIMETER
02.43	CUT AND PATCH (E) 1/2" GYPSUM WALLBOARD TO INSTALL WALL INTERSECTION BLOCKING BETWEEN STUDS AT NEW WALL INTERSECTIONS - SEE PLAN FOR LOCATIONS.

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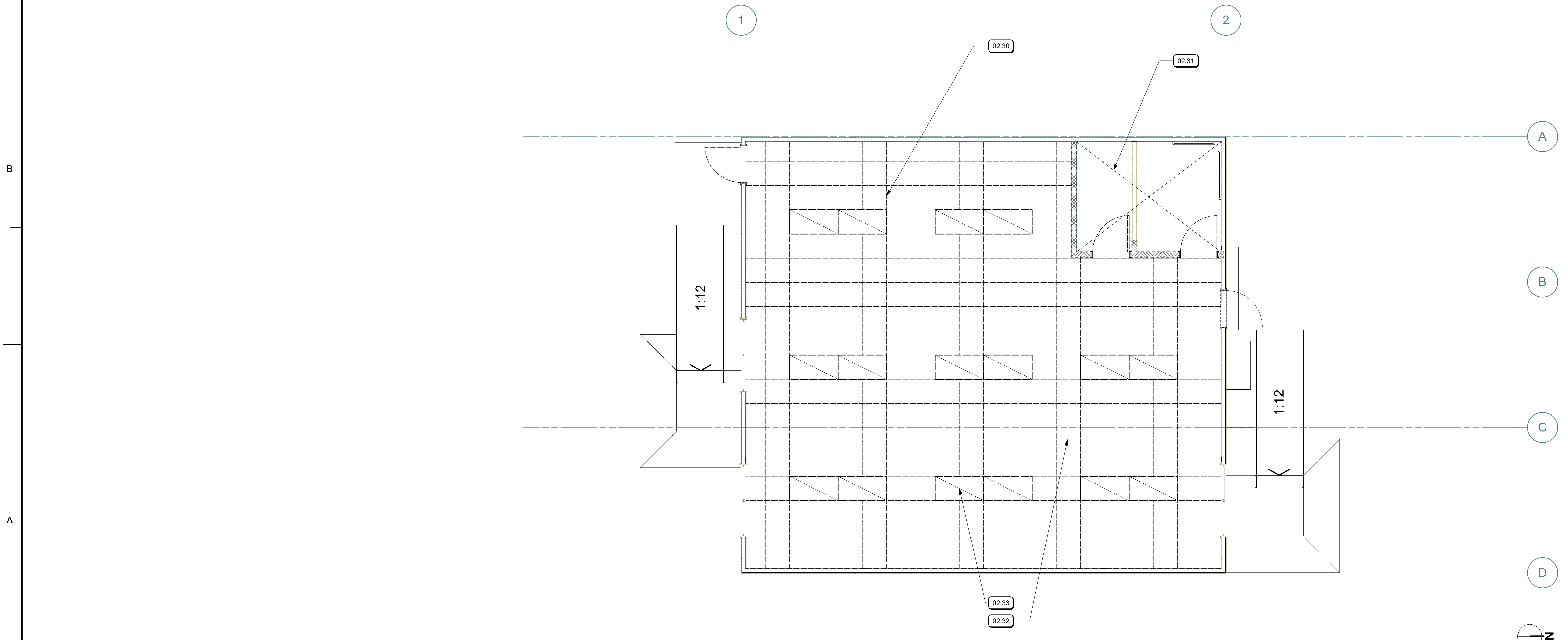
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2 DEMOLITION REFLECTED CEILING PLAN
Scale: 1/4" = 1'-0"

SHEET NOTES

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	3/3/2022
2	BID DOCUMENTS	12/14/22
3	BID DOCUMENTS	1/19/23

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LEGEND

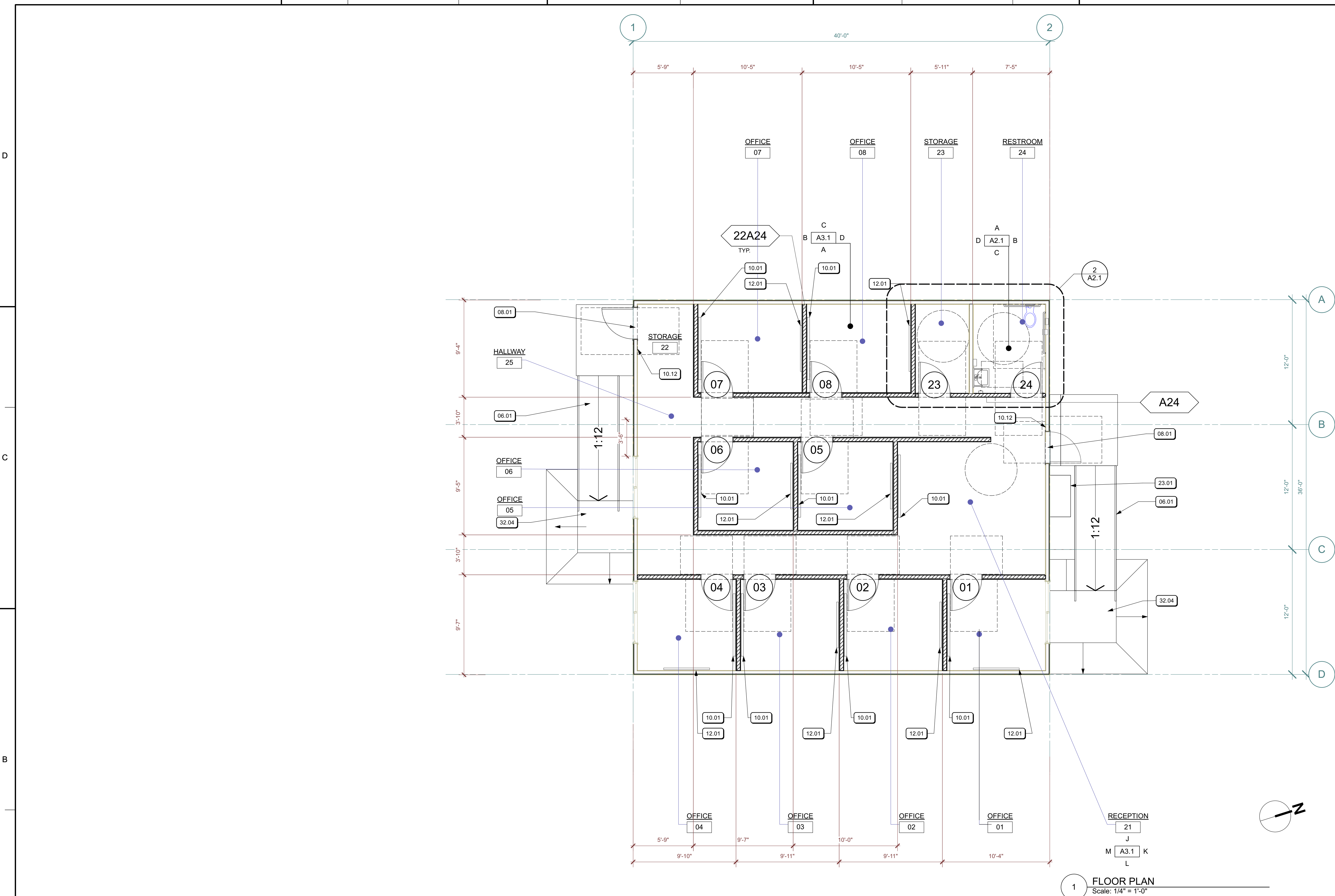
KEY PLAN
DRAWING TITLE

DEMOLITION FLOOR & CEILING PLAN

SHEET NUMBER

A2.1D

CAD FILE: Unfiled 4
DATE: 11/2/2022 PROJECT NO.: 2022.150



1 FLOOR PLAN
Scale: 1/4" = 1'-0"

KEY NOTES

REF	KEY NOTE
08.01	RAMP, LANDING, AND RAILINGS - SEE A9.1R ON PC DRAWINGS 02-101236
08.01	THRESHOLD AND LANDING - SET LANDING 1/4" BELOW BOTTOM OF THRESHOLD AND 1/2" MAX. BELOW TOP OF THRESHOLD
2/A10.1	09.01 RESILIENT FLOOR WITH COVE BASE WITH CONTINUOUS ALUMINUM Z-TRIM CAP
2/A10.1	09.02 FRP WAINSCOT PANELS WITH PERIMETER AND JOINT TRIM
1/A10.1	10.01 MARKER BOARD - 6'-0" W. X 4'-0" H.
1/A10.1	10.03 42" GRAB BAR AT BACK WALL AND 48" GRAB BAR AT SIDE WALL
1/A10.1	10.04 TOILET PAPER DISPENSER
1/A10.1	10.05 TOILET SEAT COVER DISPENSER
1/A10.1	10.07 PAPER TOWEL DISPENSER
1/A10.1	10.08 SOAP DISPENSER
1/A10.1	10.09 MIRROR
1/A10.1	10.12 TACTILE EXIT SIGN - E
17/A10.1	12.01 TV MOUNTING BRACKET - LOW-PROFILE FLAT WALL MOUNT TV BRACKET WITH RECESSED OUTLET BOX FOR POWER AND SIGNAL - TV OWNER FURNISHED OWNER INSTALLED - 4" MAX. PROJECTION WITH TV INSTALLED
23.01	HVAC UNIT - PART OF RELOCATABLE BUILDING - SEE PC DRAWINGS
4/A1.10	32.04 ASPHALT PAVING TRANSITION AT BASE OF RAMP

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SHEET NOTES

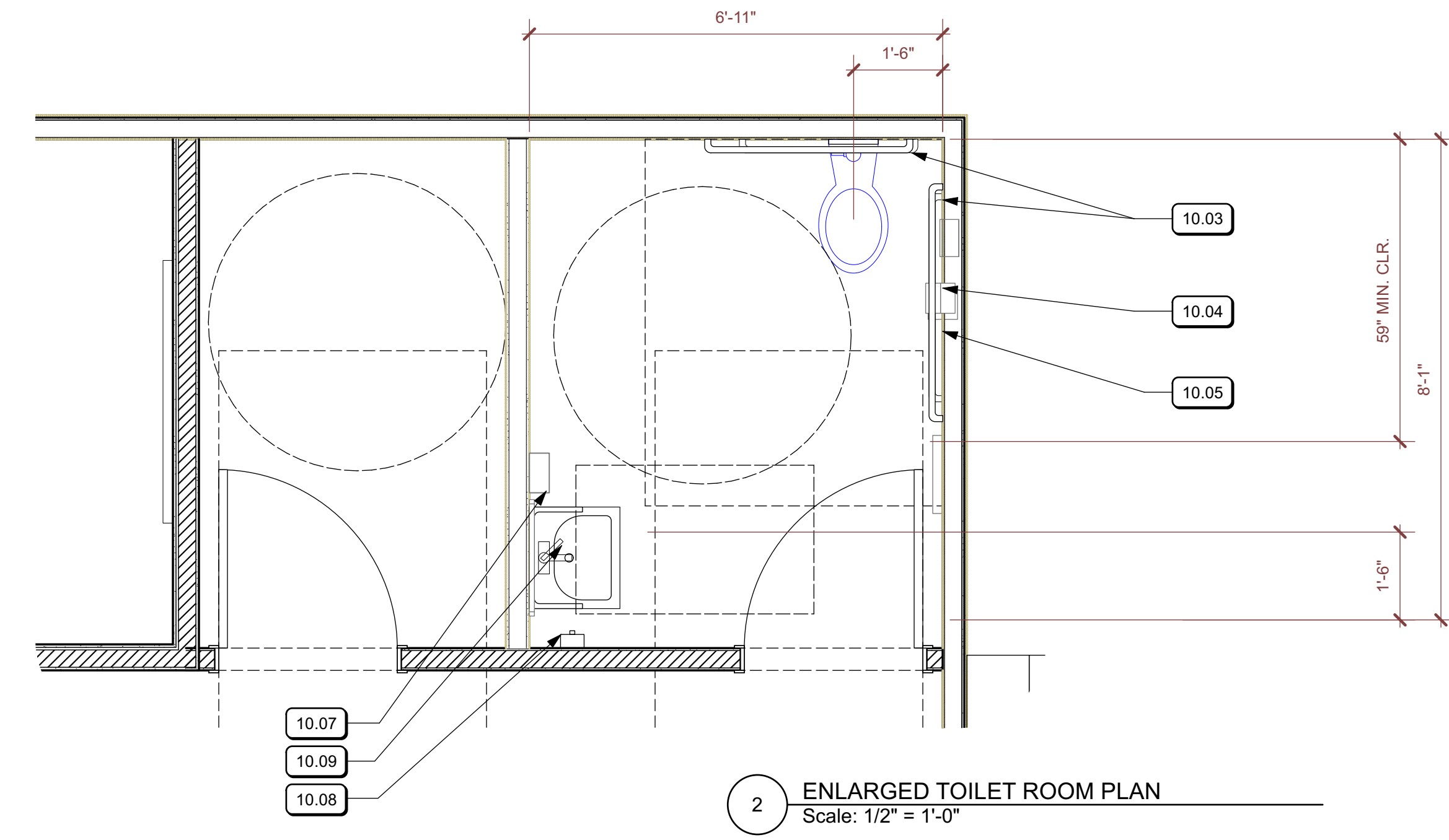
- SEE A3.1 FOR TYPICAL INTERIOR WALL CONSTRUCTION ASSEMBLIES.
- SEE PC DRAWINGS FOR FRAMING DETAILS. ALL WALLS RUN TO STRUCTURE ABOVE.
- SEE A3.1 FOR FINISH SCHEDULE.
- SEE A3.1 FOR DOOR SCHEDULE, DOOR NOTES AND INFORMATION
- WALL TYPES INDICATED ON ONE SIDE OF A DOOR OR WINDOW CONTINUE ABOVE AND ON THE OPPOSITE SIDE OF THE DOOR OR WINDOW UNLESS OTHERWISE NOTED.
- SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
- PAINT ENTIRE BUILDING EXTERIOR TO MATCH ADJACENT BUILDING AE-28
- SEE DOOR SCHEDULE FOR ADDITIONAL SIGNAGE INFORMATION AND A10.1 FOR SIGNAGE DETAILS.
- SEE A3.1 FOR REQUIRED DOOR CLEARANCES.
- SLOPE EXTERIOR LANDINGS MAXIMUM 2% AWAY FROM DOOR.

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	3/3/2022
2	BID DOCUMENTS	12/14/22
3	BID DOCUMENTS	1/19/23

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LEGEND



2 ENLARGED TOILET ROOM PLAN
Scale: 1/2" = 1'-0"

1 4 FOR FIXTURE AND TOILET ACCESSORY MOUNTING HEIGHTS - TYPICAL
A1.10 A1.10



4 TOILET ROOM TYPICAL ELEVATIONS
Scale: 1/4" = 1'-0"

- ABBREVIATIONS**
- GB GRAB BAR
 - PTD PAPER TOWEL DISPENSER
 - SCD SEAT COVER DISPENSER
 - SD SOAP DISPENSER
 - SND SANITARY NAPKIN DISPOSAL
 - TPD TOILET PAPER DISPENSER

KEY PLAN
DRAWING TITLE

FLOOR PLAN

SHEET NUMBER

A2.1

CAD FILE: Untitled 4

DATE	PROJECT NO.
11/2/2022	2022.150

KEY NOTES

REF	KEY	NOTE
09.07		TACKABLE SURFACE WITH WALL COVERING - CONTINUES INTO HALLWAY BEYOND
14/A10.1	10.01	MARKER BOARD - 6'-0" W. X 4'-0" H.
13/A10.1	12.01	TV MOUNTING BRACKET - LOW-PROFILE FLAT WALL MOUNT TV BRACKET WITH RECESSED OUTLET BOX FOR POWER AND SIGNAL - TV OWNER FURNISHED OWNER INSTALLED - 4" MAX. PROJECTION WITH TV INSTALLED

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SHEET NOTES

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	3/3/2022
2	BID DOCUMENTS	12/14/22
3	ADDENDUM 13	12/23/22

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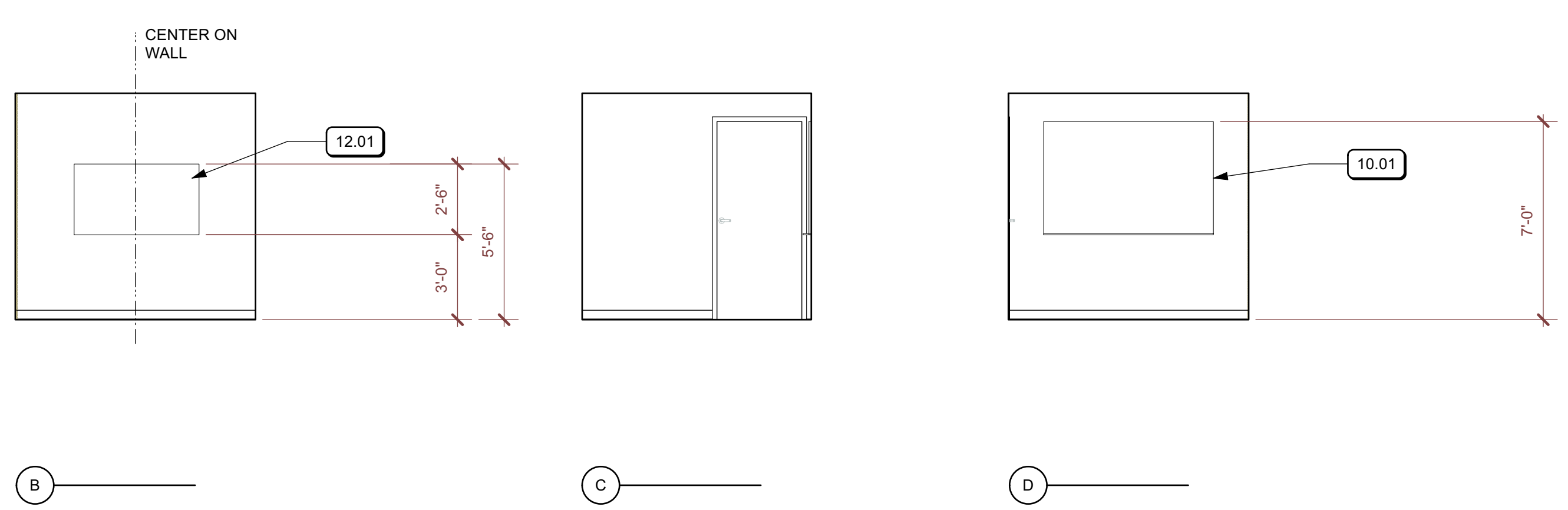
KEY PLAN
DRAWING TITLE

ELEVATIONS, SCHEDULES & MISC. INFORMATION

SHEET NUMBER

A3.1

CAD FILE: Untitled 4
DATE: 11/2/2022 PROJECT NO: 2022.150



NOTE: SEE FINISH SCHEDULE FOR TACKABLE WALL SURFACE - OCCURS EXTERIOR WALL OF EACH ROOM AND WHERE INDICATED
3 TYPICAL OFFICE INTERIOR ELEVATIONS
 Scale: 1/4" = 1'-0"

DOOR SCHEDULE

Door #	DOOR							FRAME			DETAILS			REMARKS		
	Type	Width	Height	Thickness	Construction	Finish	Fire Rating	Hdwr Grp	Frame Type	Frame Cons	Frame Finish	Head Detail	Jamb Detail		Thrsld Detail	Signage
01	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
02	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
03	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
04	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
05	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
06	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
07	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
08	A	3'0"	7'0"	1 3/4"	HM	ST		1	1	HM	P				C	
23	A	3'0"	7'0"	1 3/4"	HM	ST		3	1	HM	P					
24	A	3'0"	7'0"	1 3/4"	HM	ST		2	1	HM	P			20/A10.1	A,B	

LEGEND

- HM HOLLOW METAL
 - P PAINT
 - ST STAIN TRANSPARENT FINISH
 - WD WOOD
- SIGNAGE COLUMN REFERS TO SIGN SCHEDULE NUMBERS ON A10.1

FINISH SCHEDULE

ROOM	FLOOR	BASE	WAINSCOT	TRIM	WALL			CEILING	REMARKS	
					N	E	S			
01	OFFICE	CRPT	RES		GWB P	GWB P	GWB P	TACK	SAT	1.
02	OFFICE	CRPT	RES		GWB P	GWB P	GWB P	TACK	SAT	1.
03	OFFICE	CRPT	RES		GWB P	GWB P	GWB P	TACK	SAT	1.
04	OFFICE	CRPT	RES		GWB P	GWB P	GWB P	TACK	SAT	1.
05	OFFICE	CRPT	RES		GWB P	GWB P	GWB P	TACK	SAT	
06	OFFICE	CRPT	RES		GWB P	GWB P	GWB P	TACK	SAT	
07	OFFICE	CRPT	RES		GWB P	TACK	GWB P	GWB P	SAT	1.
08	OFFICE	CRPT	RES		GWB P	TACK	GWB P	GWB P	SAT	1.
21	Custom	CRPT	RES		TACK	GWB P	TACK	GWB P	SAT	1.
22	STORAGE	CRPT	RES		GWB P	GWB P	GWB P	GWB P	SAT	1.
23	STORAGE	RES	RES		GWB	GWB	GWB	GWB	SAT	1.
24	RESTROOM	RES	RES	FRP WAINSCOT - FULL HEIGHT	GWB P	GWB P	GWB P	GWB P	SAT	2.
25	HALLWAY	CRPT	RES		GWB P	GWB P	GWB P	GWB P	SAT	1.

LEGEND

- CRPT CARPET
- EPX-1 EPOXY RESINOUS FLOORING
- FRP FIBER REINFORCED PLASTIC
- GWB GYPSUM WALLBOARD
- P PAINT
- RES RESILIENT
- SAT SUSPENDED ACOUSTIC CEILING TILE
- TAK TACKABLE SURFACE WITH WALLCOVERING

REMARKS

1. ALL EXTERIOR WALLS - REMOVE TACKABLE WALL SURFACE DOWN TO (E) GYPSUM WALL BOARD - CUT AND PATCH GYPSUM WALL BOARD TO INSTALL FRAMING - APPLY (N) TACKABLE WALL SURFACE OVER (E) GYPSUM WALLBOARD.
2. EXTERIOR WALLS AT TOILET ROOMS - REMOVE (E) GYPSUM WALL BOARD TO INSTALL FINISHES.

DOOR SCHEDULE NOTES

1. DIMENSIONS OF DOORS ARE NOMINAL. VERIFY ALL DOOR SIZES IN FIELD PRIOR TO ORDERING.
2. ALL DOORS SHALL BE POSITIVE LATCHING W/ LEVER ACTING DOOR HARDWARE. ALL FIRE RATED DOORS SHALL HAVE PERIMETER SMOKE GASKETS AS REQUIRED, AND SELF-CLOSERS OR AUTOMATIC CLOSERS WITH SMOKE DETECTORS.
3. ALL DOORS AND WINDOWS SHALL MEET THE MINIMUM INFILTRATION REQUIREMENTS PER SECTION 2.5311 B.E.S. ALL NEW EXTERIOR DOORS SHALL BE WEATHER-STRIPPED COMPLETELY.
4. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. NO DEADBOLTS, NO SLIDING BOLTS, ETC. (CBC SEC. 1004 (C)).
5. ADJUST ALL DOOR OPENING FORCE TO THE MINIMUM REQUIRED FOR OPERATION. MAXIMUM EFFORT TO OPERATE ANY NEW DOORS SHALL NOT EXCEED 5 POUNDS FOR INTERIOR AND EXTERIOR 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, SUBJECT TO APPROVAL BY THE ARCHITECT AND THE GOVERNING AUTHORITY. OPENING FORCE FOR FIRE RATED DOORS MAY BE ADJUSTED UP TO A MAXIMUM OF 15 POUNDS SUBJECT TO APPROVAL BY THE GOVERNING AUTHORITY.
6. ALL HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE THE FLOOR. SEE DOOR TYPES FOR DIMENSION. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE. LOCKED DOORS SHALL OPERATE AS ABOVE IN THE EGRESS DIRECTION.
7. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS 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 1" HIGH SMOOTH BOTTOM RAIL SHALL BE INSTALLED.
8. ALL GLAZING IN DOORS AND SIDELIGHTS SHALL BE SAFETY GLASS, OR FIRE-RATED GLASS WHERE REQUIRED. NO WIRED GLASS IS ALLOWED.
10. FOR SIGNAGE TYPES AND MOUNTING INSTRUCTIONS SEE SIGNAGE DETAIL SHEET.
11. VERIFY DIMENSIONS OF ALL EXISTING DOOR FRAMES TO BE RE-USED - FIT NEW DOORS TO EXISTING FRAMES AS REQUIRED.
12. ALIGN NEW DOOR HEADS TO EXISTING ADJACENT DOOR HEADS WHERE OCCURS.
13. AT DOORS HUNG IN (E) FRAME INDICATED TO SWING TO THE OPPOSITE SIDE FROM THE ORIGINAL FRAME HARDWARE, PATCH (E) MORTISE AND HARDWARE PREPARATIONS IN (E) FRAME FOR ALL HINGES, LATCHES, STRIKES, AND OTHER HARDWARE. FOR WOOD FRAMES - PATCH WITH WOOD PLUGS FLUSH WITH BACK OF (E) SURFACE. FOR METAL FRAMES - WELD SHEET METAL PATCHES. GRIND SMOOTH AND FINISH TO MATCH ADJACENT SURFACE.

FINISH SCHEDULE NOTES:

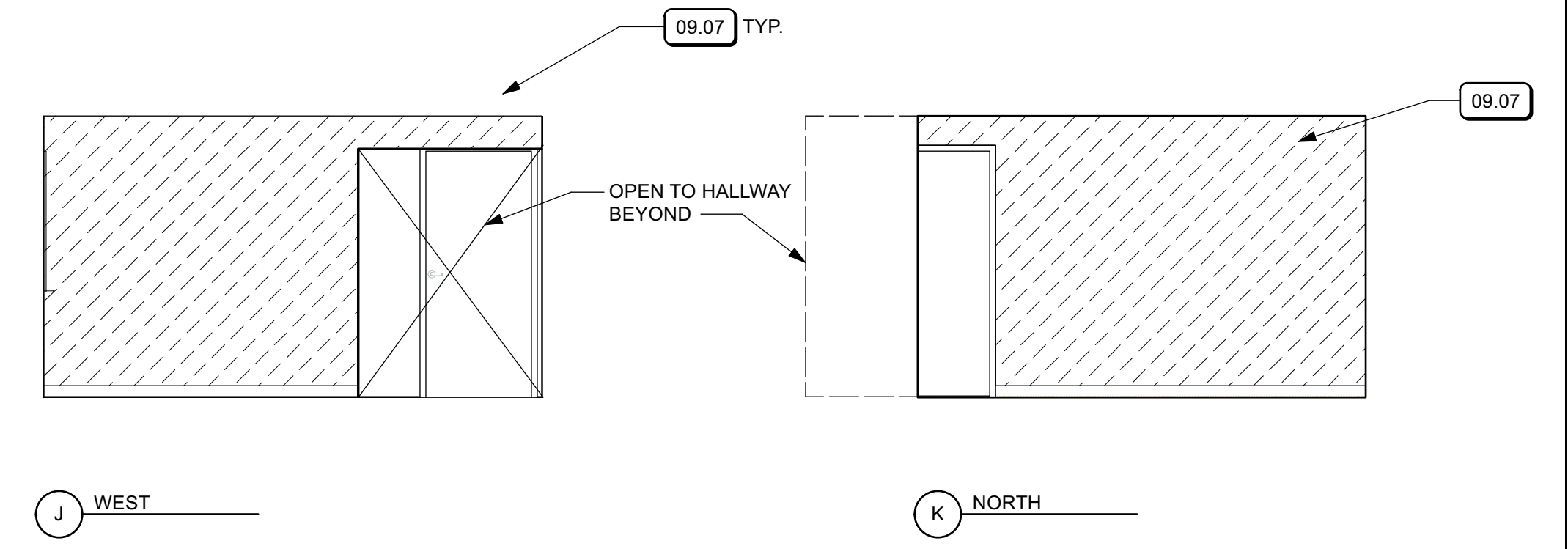
1. ROOM FINISH SCHEDULE INDICATES GENERAL FINISH LOCATIONS. SEE INTERIOR ELEVATION DRAWINGS FOR EXTENT OF FINISHES INCLUDING BUT NOT LIMITED TO CERAMIC TILE, WAINSCOTS, PAINT, TRIM, VISUAL DISPLAY SURFACES, AND OTHER ELEMENTS.
2. INSTALL ALL GYPSUM BOARD PER CBC SECTION 2509 AND TABLES 2508.1 AND 2508.5
3. PROVIDE FURRING OR SHIMS WHERE REQUIRED TO ALIGN SURFACES OF NEW AND EXISTING WALL SURFACES.
4. PROVIDE 5/8" GYPSUM WALLBOARD, TYPE X WHERE REQUIRED, AT ALL SCHEDULED CEILINGS AND SOFFITS UNLESS NOTED OTHERWISE.
5. WHERE NEW WORK ABUTS EXISTING WORK OF THE SAME MATERIAL AND FINISH, BLEND NEW WORK TO MATCH ADJACENT FINISHES.
6. THE MAXIMUM FLAME SPREAD RATING FOR INTERIOR WALL AND CEILING SHALL NOT EXCEED THE FOLLOWING (CBC TABLES 8A AND 8B):
CORRIDORS, HALLWAYS, AND OTHER EXITS: 25-75
OTHER AREAS: 75-200
7. ALL FINISHES INDICATED IN THE FINISH SCHEDULE ARE NEW FINISHES UNLESS INDICATED AS EXISTING.

CONSTRUCTION ASSEMBLIES

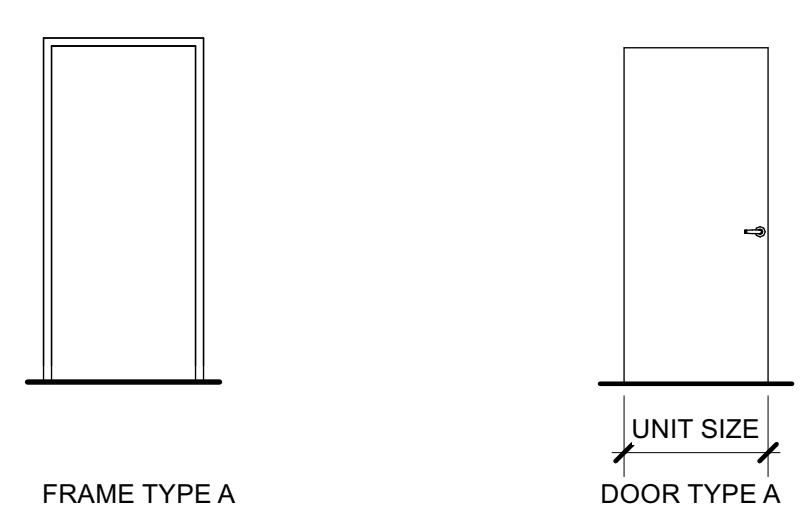
ASSEMBLY	WALL TYPE	DESCRIPTION	FIRE RATING	STC RATING
	22A24	ONE LAYER 5/8" GYPSUM WALLBOARD ON 2 X 4 WOOD STUDS 24" ON CENTER FROM SILL TO STRUCTURE ABOVE - 5/8" GYPSUM WALLBOARD ON 1/2" HORIZONTAL RESILIENT CHANNELS ON OTHER SIDE - FASTEN RESILIENT CHANNELS 12" O.C. VERTICALLY WITH (1) #8 X 1-5/8" BUGLE HEAD SCREW TO EACH STUD - FASTEN GYPSUM WALLBOARD TO RESILIENT CHANNELS WITH #8 X 1-1/4" BUGLE HEAD SCREW 8" O.C. AT PERIMETER EDGE AND 12" O.C. IN THE FIELD - FASTEN GYPSUM WALLBOARD TO WOOD STUDS WITH #8 X 1-5/8" BUGLE HEAD SCREW 8" O.C. AT PERIMETER EDGE AND 12" O.C. IN THE FIELD.		50
	A24	ONE LAYER 5/8" GYPSUM WALLBOARD ON EACH SIDE OF 2 X 4 WOOD STUDS 24" ON CENTER FROM SILL TO STRUCTURE ABOVE - 5/8" GYPSUM WALLBOARD ON EACH SIDE - FASTEN GYPSUM WALLBOARD TO WOOD STUDS WITH #8 X 1-5/8" BUGLE HEAD SCREW 8" O.C. AT PERIMETER EDGE AND 12" O.C. IN THE FIELD.		

CONSTRUCTION ASSEMBLIES NOTES:

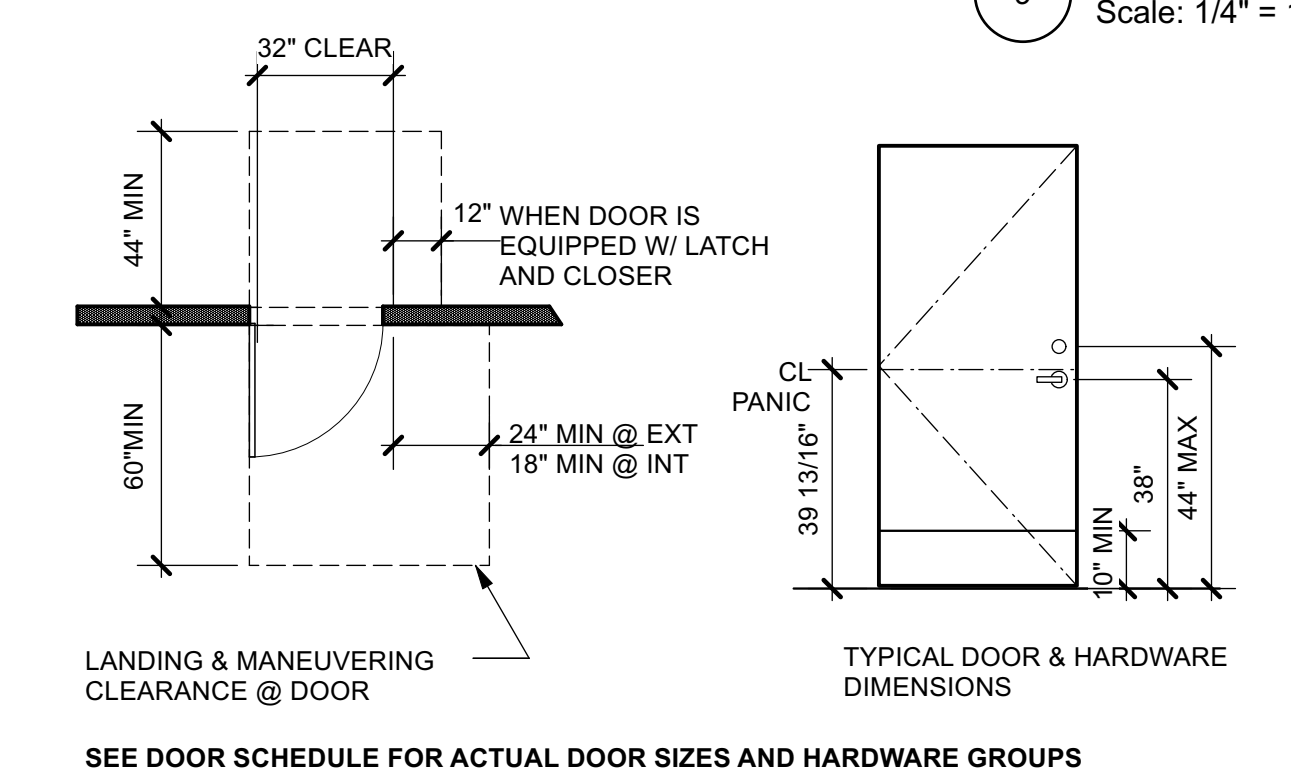
1. ALL DIMENSIONS ARE NOMINAL - ACTUAL DIMENSIONS MAY VARY. VERIFY ALL DIMENSIONS PRIOR TO COMMENCING WORK.
2. SEE A9.1 FOR WOOD STUD FRAMING DETAILS AND ADDITIONAL INFORMATION.
3. USE TYPICAL FRAMING DETAILS FOR WALL FRAMING AND FURRING UNLESS OTHERWISE INDICATED.
4. ALL PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE UNLESS OTHERWISE INDICATED.
5. SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. SEE FINISH SCHEDULE SHEET A9.1 FOR ADDITIONAL INFORMATION.
7. SEE SHEET A9.2 FOR CEILING INFORMATION AND FRAMING DETAILS.
8. SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION AND FINISHES INCLUDING CERAMIC TILE, TACK PANELS, ACOUSTICAL WALL PANELS, PROTECTIVE WALL COVERINGS, AND OTHER FINISHES.



8 RECEPTION ROOM INTERIOR ELEVATIONS
 Scale: 1/4" = 1'-0"



9 DOOR & FRAME TYPES
 Scale: 1/4" = 1'-0"



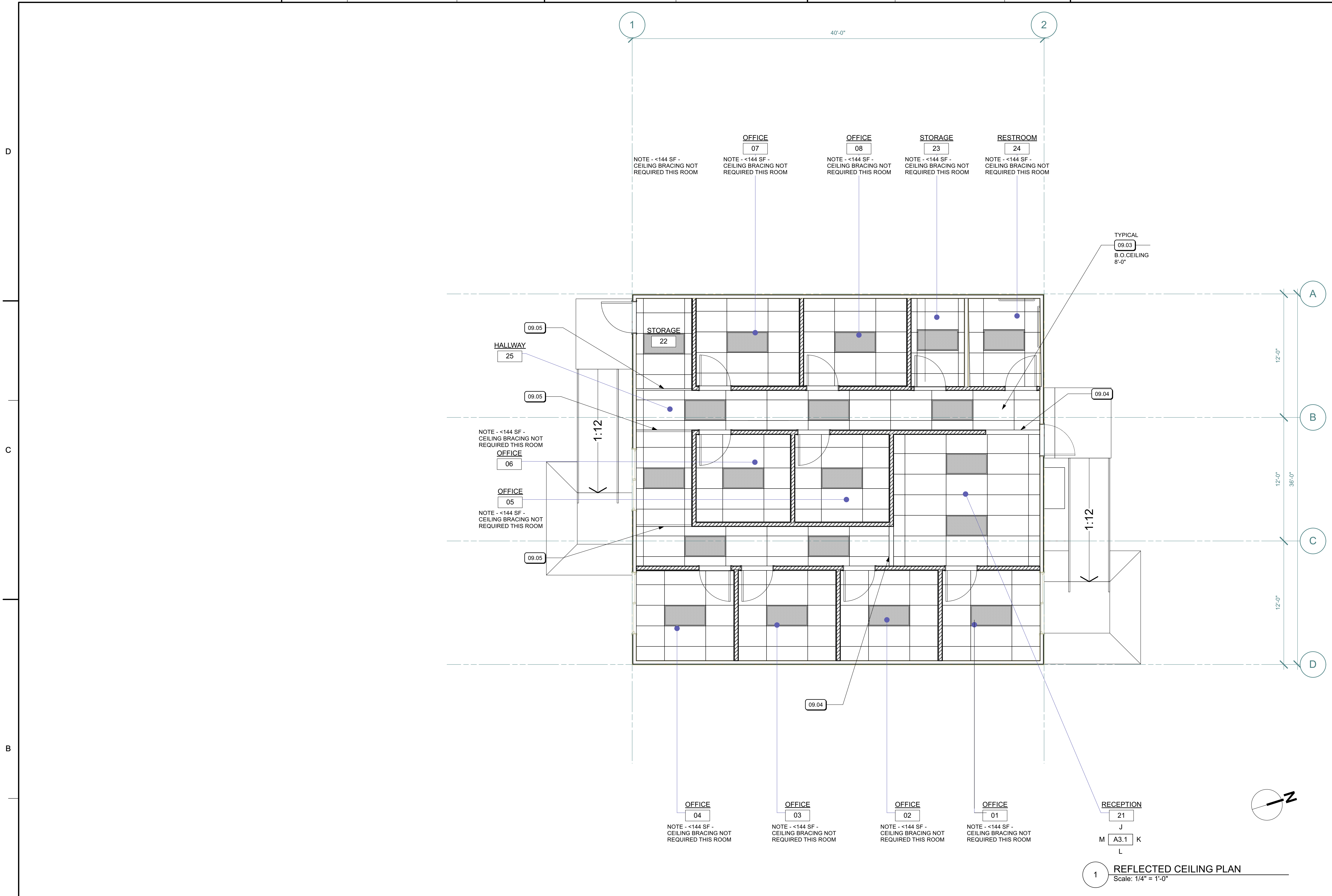
10 DOOR CLEARANCE ON PATH OF TRAVEL
 Scale: 1/4" = 1'-0"

D

C

B

A



KEY NOTES

REF	KEY NOTE
09.03	SUSPENDED ACOUSTIC TILE CEILING - SEE PC1-A7.1 FOR TYPICAL CEILING DETAILS
A8.1	09.04 GYPSUM WALLBOARD FRAMED HEADER - SEE HEADER SCHEDULE
14/A8.2	09.05 SUSPENDED ACOUSTIC CEILING EXPANSION JOINT

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SHEET NOTES

1. DEMO ENTIRE EXISTING SUSPENDED ACOUSTIC TILE CEILING
2. SET BOTTOM OF CEILING HEIGHT TO 8'-0" A.F.F. U.O.N.
3. ALL PARTITIONS RUN TO STRUCTURE ABOVE.
4. SEE A3.1 FOR FINISH SCHEDULE
5. CENTER CEILING PATTERN IN ROOM SO THAT NO EDGE TILE IS LESS THAN 8".
6. SEE ELECTRICAL DRAWINGS FOR LIGHTING AND ELECTRICAL INFORMATION.
7. SEE MECHANICAL DRAWINGS FOR AIR REGISTERS AND MECHANICAL INFORMATION.

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	3/3/2022
2	BID DOCUMENTS	12/14/22
3	BID DOCUMENTS	1/19/23

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LEGEND

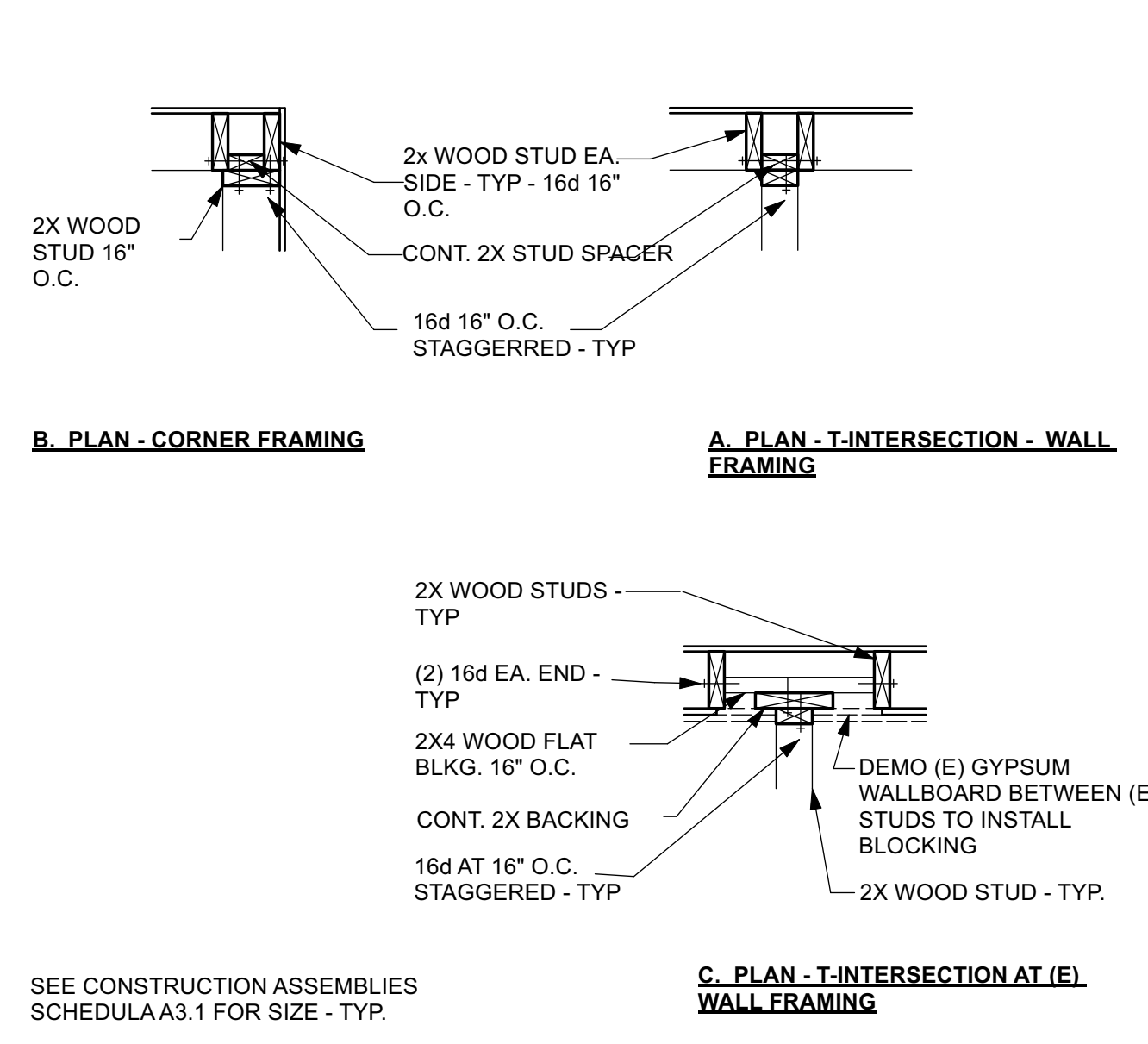
KEY PLAN
DRAWING TITLE

REFLECTED CEILING PLAN

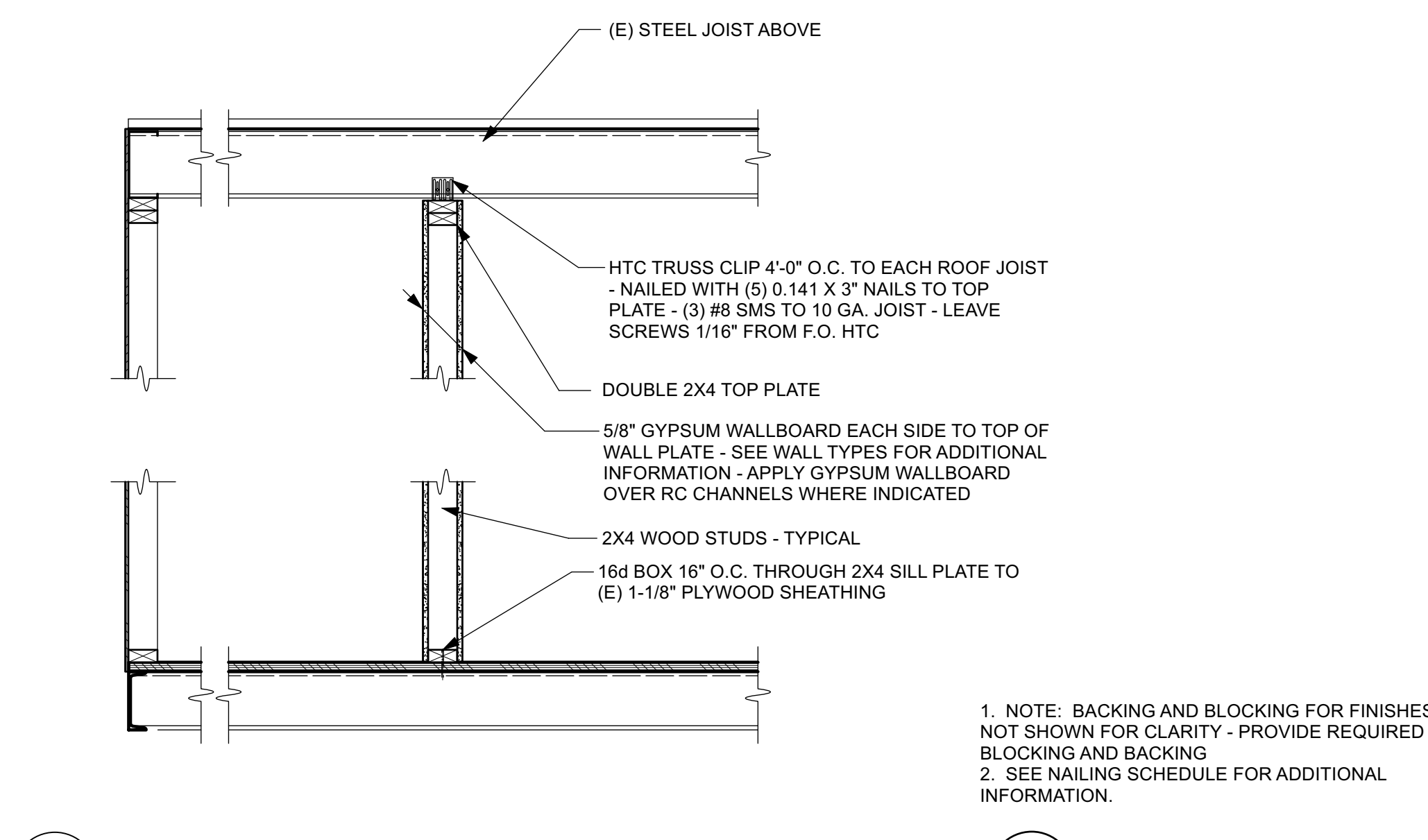
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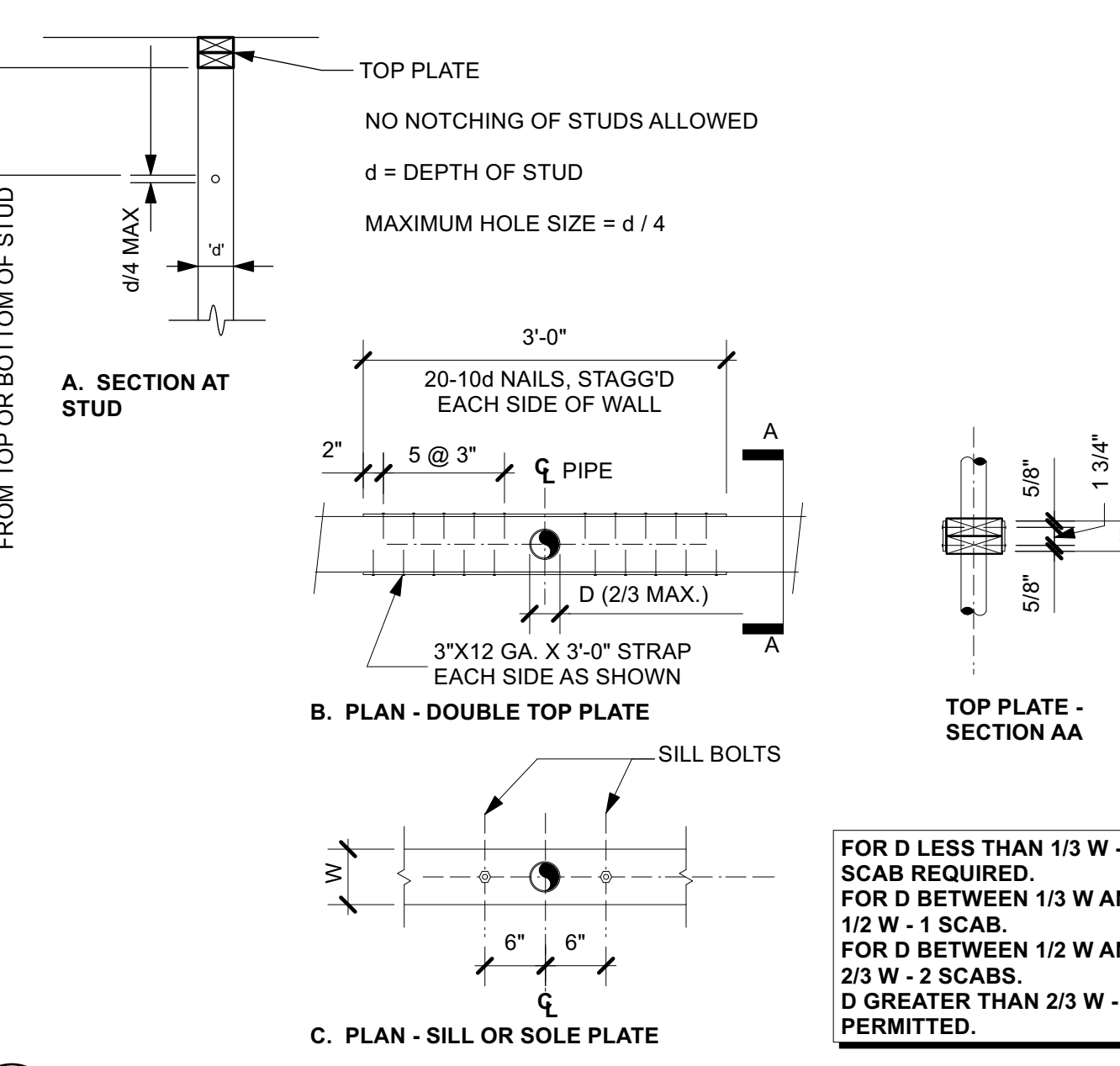
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DATE: 11/2/2022 PROJECT NO.: 2022.150



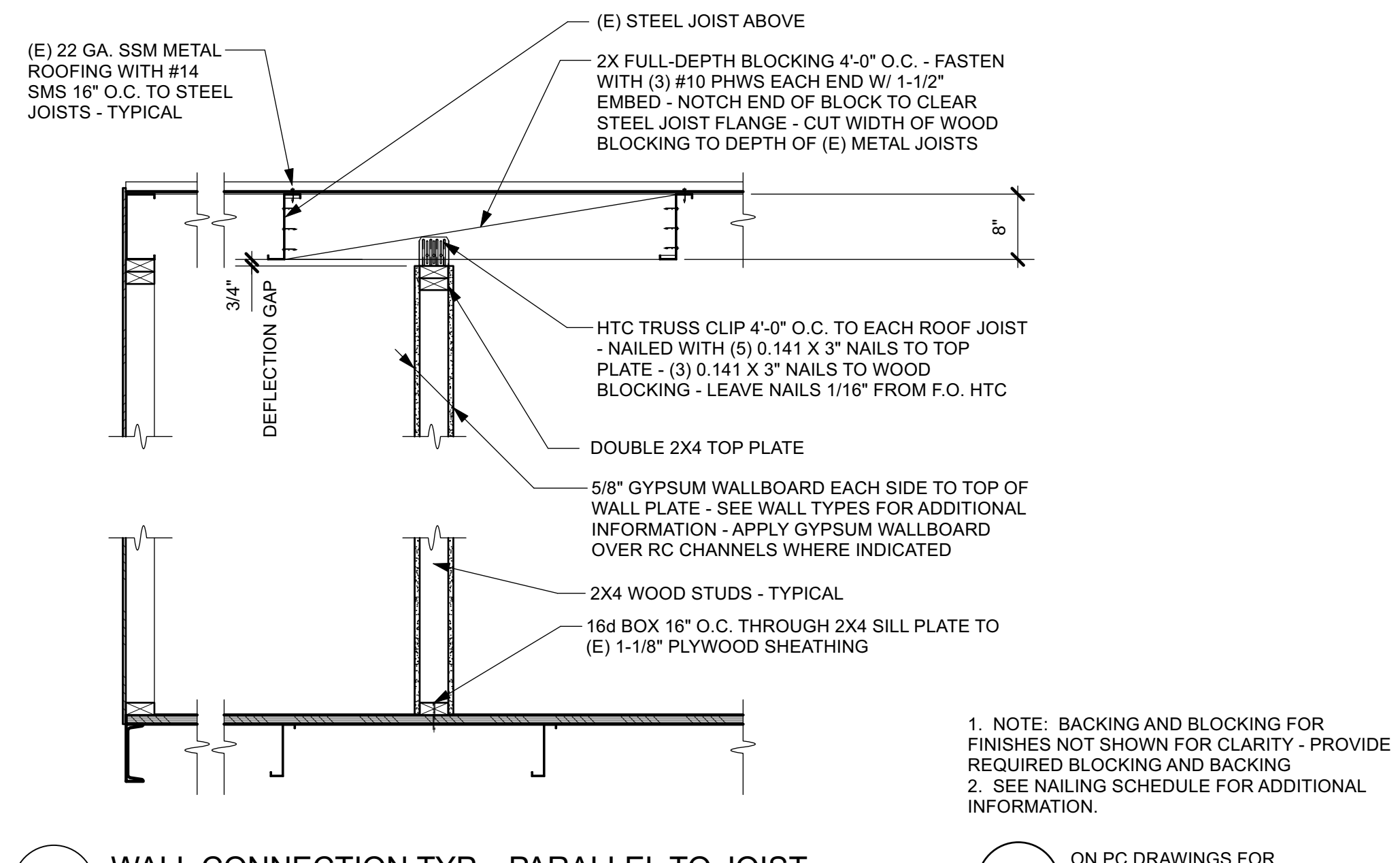
9 WALL INTERSECTIONS - TYPICAL
Scale: 3/4" = 1'-0"



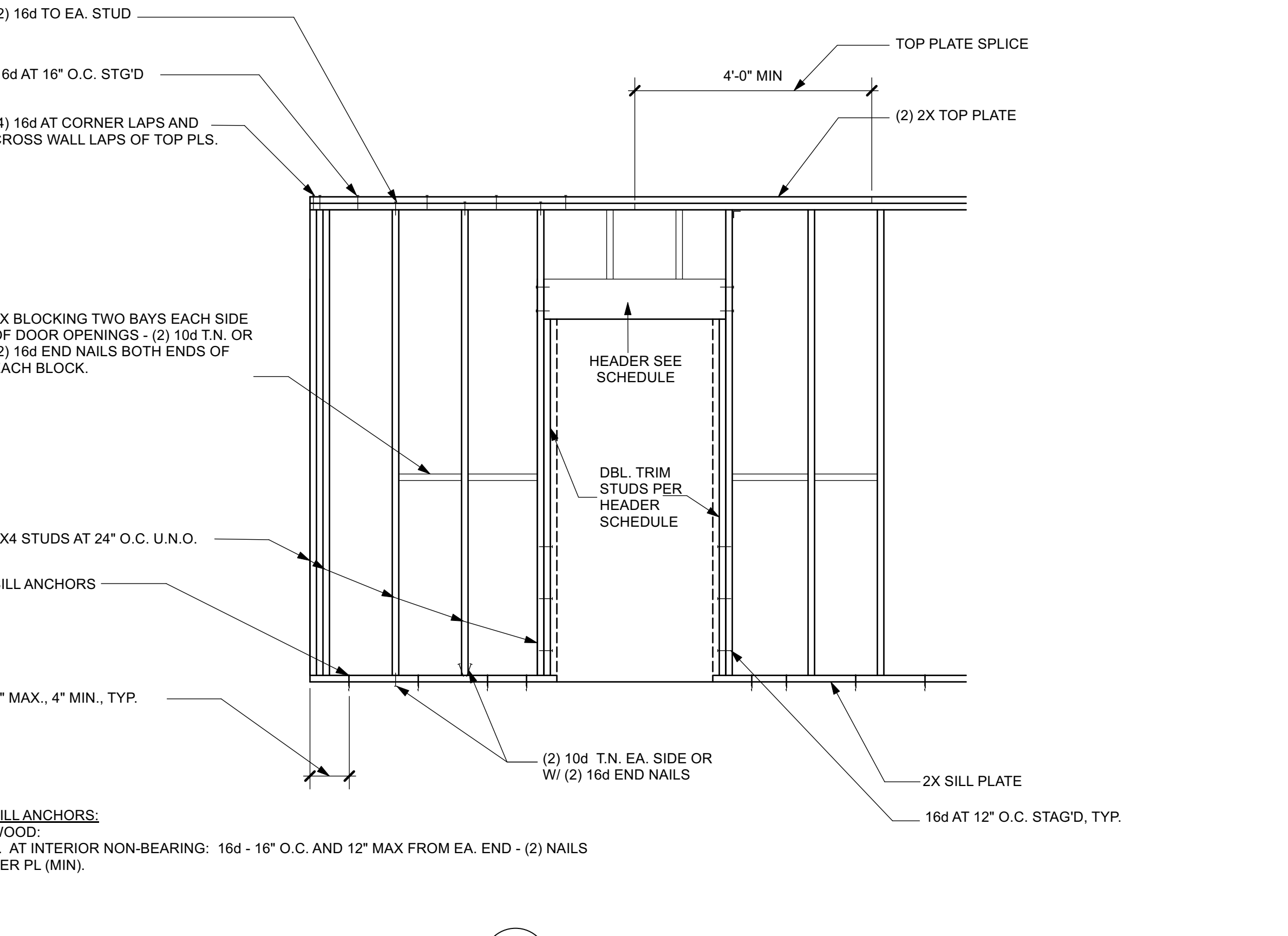
9 WALL CONNECTION TYP. - PERPENDICULAR TO JOIST
Scale: 3/4" = 1'-0"



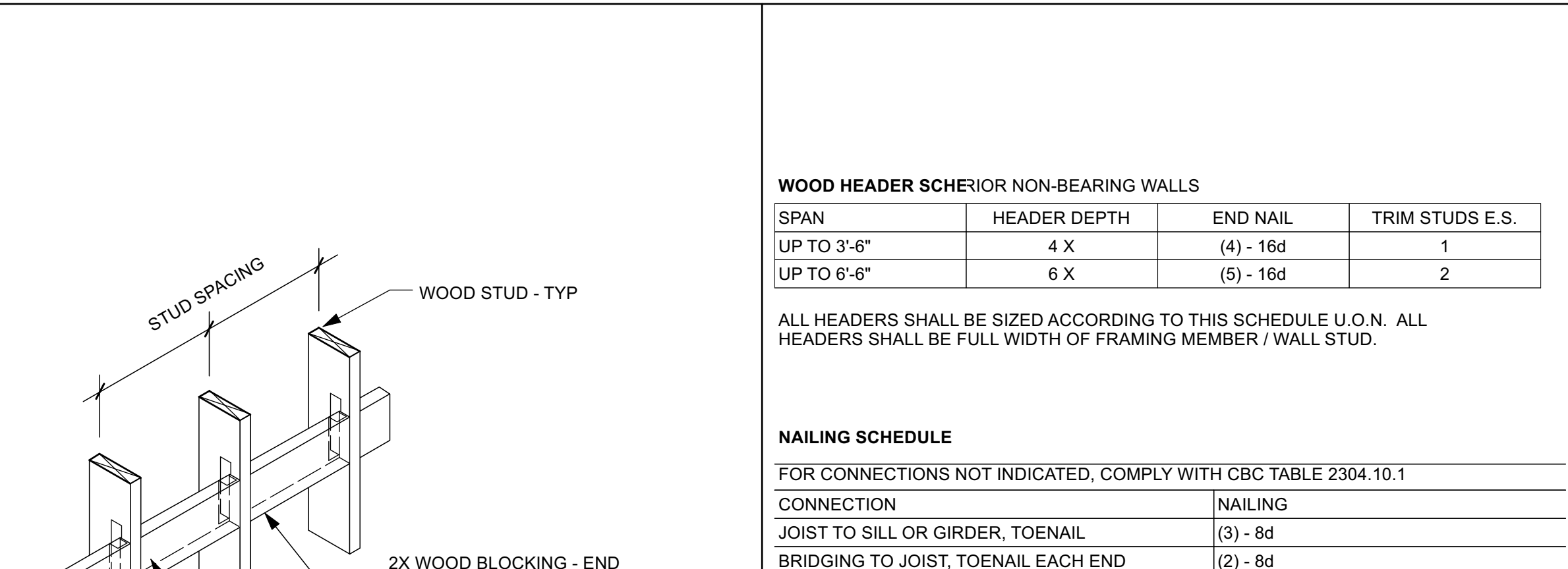
6 ALLOWABLE HOLES IN WALL STUDS
Scale: 3/4" = 1'-0"



10 WALL CONNECTION TYP. - PARALLEL TO JOIST
Scale: 3/4" = 1'-0"



1 WOOD FRAMED WALL CONSTRUCTION - TYPICAL
Scale: 1/2" = 1'-0"



8 BACKING PLATES / IN-WALL BLOCKING
Scale: 3/4" = 1'-0"

WOOD HEADER SCHEDULE FOR NON-BEARING WALLS

SPAN	HEADER DEPTH	END NAIL	TRIM STUDS E.S.
UP TO 3'-6"	4 X	(4) - 16d	1
UP TO 6'-6"	6 X	(5) - 16d	2

ALL HEADERS SHALL BE SIZED ACCORDING TO THIS SCHEDULE U.O.N. ALL HEADERS SHALL BE FULL WIDTH OF FRAMING MEMBER / WALL STUD.

NAILING SCHEDULE

FOR CONNECTIONS NOT INDICATED, COMPLY WITH CBC TABLE 2304.10.1

CONNECTION	NAILING
JOIST TO SILL OR GIRDER, TOENAIL	(3) - 8d
BRIDGING TO JOIST, TOENAIL EACH END	(2) - 8d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
STUD TO SOLE PLATE	(4) - 10d TOENAIL OR (2) - 16d ENDNAIL
DOUBLE STUDS, FACE NAIL	16d AT 24" O.C.
DOUBLED TOP PLATES, FACE NAIL	16d AT 16" O.C.
TOP PLATES - LAPS AT WALL INTERSECTIONS	(2) - 16d
TOP PLATES - SPLICES	(6) 16d
CONTINUOUS HEADER, TWO PIECES	16d AT 16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOENAIL	(3) - 8d
CONTINUOUS HEADER TO STUD, TOENAIL	(3) - 8d
BUILT UP CORNER STUDS	16d AT 24" O.C.

ALL NAILS TO BE COMMON WIRE NAILS. NAILING SCHEDULE APPLIES U.O.N. - SEE DETAILS. COMPLY WITH CBC TABLE 2304.10.1

FRAMING NOTES

01000 - GENERAL
 A. THESE NOTES APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED OR SPECIFIED.
 B. SEE RELEVANT SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION.
 C. VERIFY ALL EXISTING CONDITIONS AND PROPOSED DIMENSIONS AT JOB SITE. COMPARE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BEFORE COMMENCING WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND DO NOT PROCEED WITH AFFECTED WORK UNTIL THEY ARE RESOLVED. DO NOT SCALE DRAWINGS.
 D. UNLESS OTHERWISE SHOWN OR NOTED, ALL TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE.
 E. ALL DETAILS SHALL BE CONSIDERED TYPICAL AT SIMILAR CONDITIONS.
 F. SAFETY MEASURES: AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF THE PERSONS AND PROPERTY, AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE ARCHITECT'S OR ENGINEER'S JOB SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

01400 - TESTS & INSPECTIONS
 A. PROVIDE TESTS AND INSPECTIONS FOR ALL ITEMS AS REQUIRED BY THE 2019 CALIFORNIA BUILDING CODE. SEE DSA FORM 103 FOR REQUIRED TESTS AND INSPECTIONS.
 B. CALL THE ARCHITECT FOR STRUCTURAL OBSERVATION OF THE FOLLOWING ITEMS:
 1. ALL FRAMING PRIOR TO COVERING.
 3. OTHER ITEMS AS NOTED OR AS REQUIRED BY CBC.
 C. THE CONTRACTOR SHALL PROVIDE NOTICE A MINIMUM OF 48 HOURS PRIOR TO TIME OF INSPECTION.

06100 - ROUGH CARPENTRY
 A. FOR SCHEDULE OF MINIMUM NAILING SEE TABLE 2301.10.1 CALIFORNIA BUILDING CODE. 18 PENNY VINYL COATED SINKERS MAY BE SUBSTITUTED FOR 16 PENNY BOX OR COMMON NAILS FOR ROUGH FRAMING. SINKERS SHALL NOT BE USED WITH METAL CONNECTORS.
 B. PLACE JOISTS WITH CROWN UP.
 C. RETIGHTEN ALL BOLTS PRIOR TO CLOSING IN WALLS.
 C. USE GALVANIZED NAILS, BOLTS, AND HARDWARE WHERE EXPOSED TO WEATHER.
 D. ALL TIMBER FASTENERS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE SIMPSON COMPANY'S STANDARD FASTENERS OR APPROVED EQUAL.

06110 - FRAMING LUMBER (UNLESS OTHERWISE NOTED)
 A. ALL FRAMING LUMBER SHALL BE GRADED PER WCLB GRADING RULES NO. 16.
 B. ALL STUDS, PLATES, ETC., SHALL BE DOUGLAS FIR, #2, KILN-DRIED TO 12% MAXIMUM MOISTURE CONTENT.
 C. ALL LUMBER EXPOSED TO WEATHERING SHALL BE PRESSURE PRESERVATIVE TREATED OR APPROVED ROT-RESISTANT SPECIES.

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LEGEND

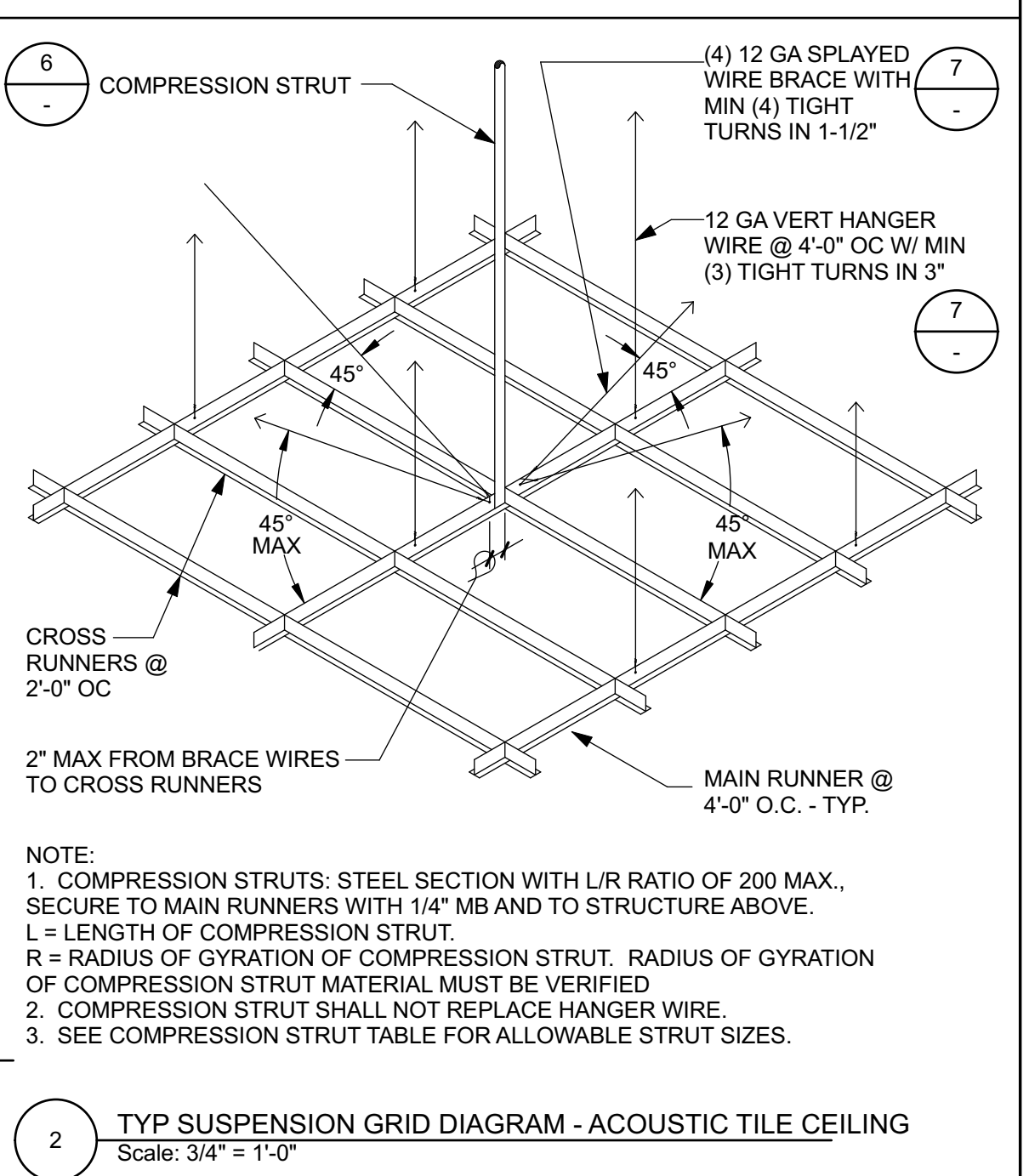
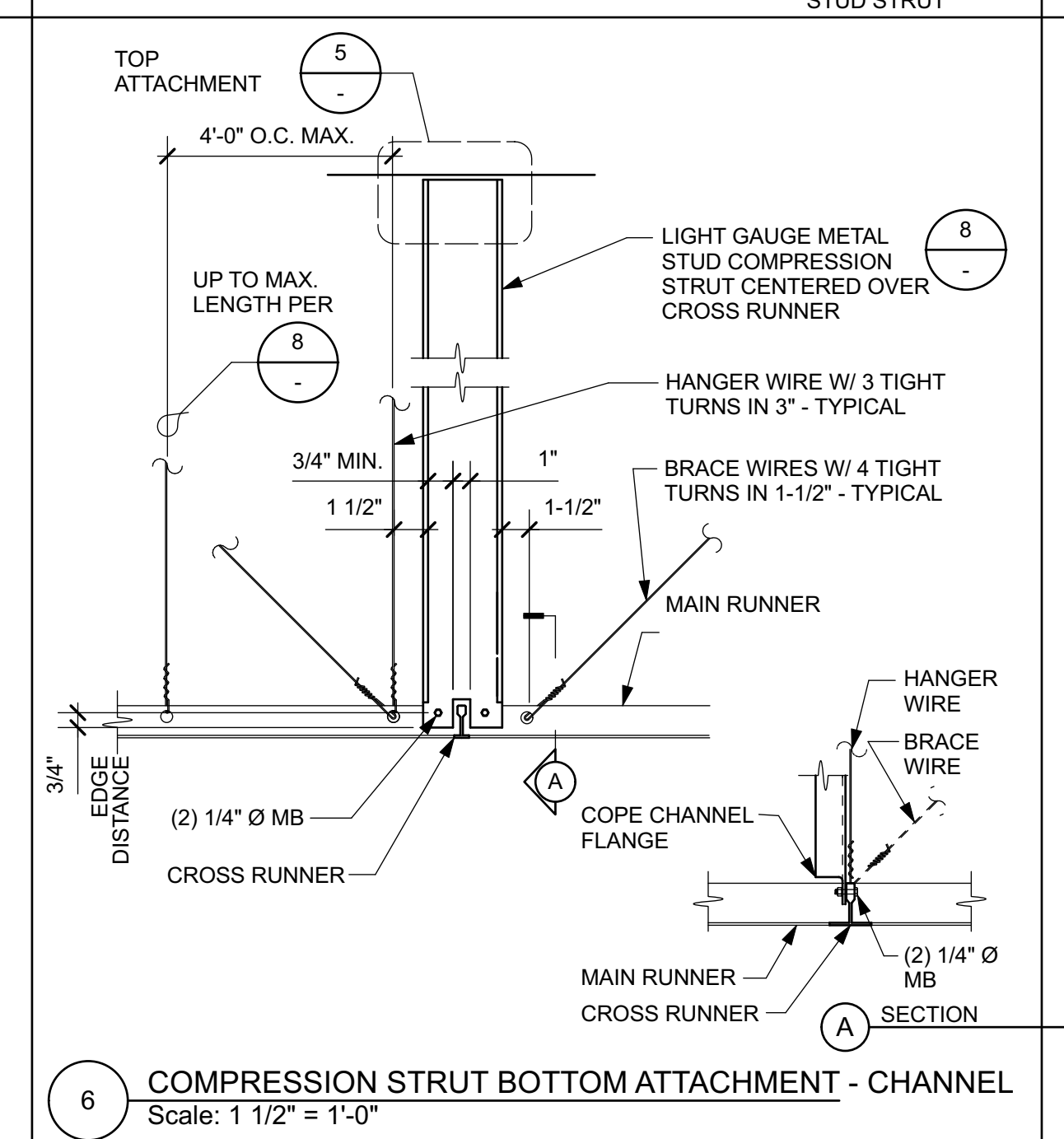
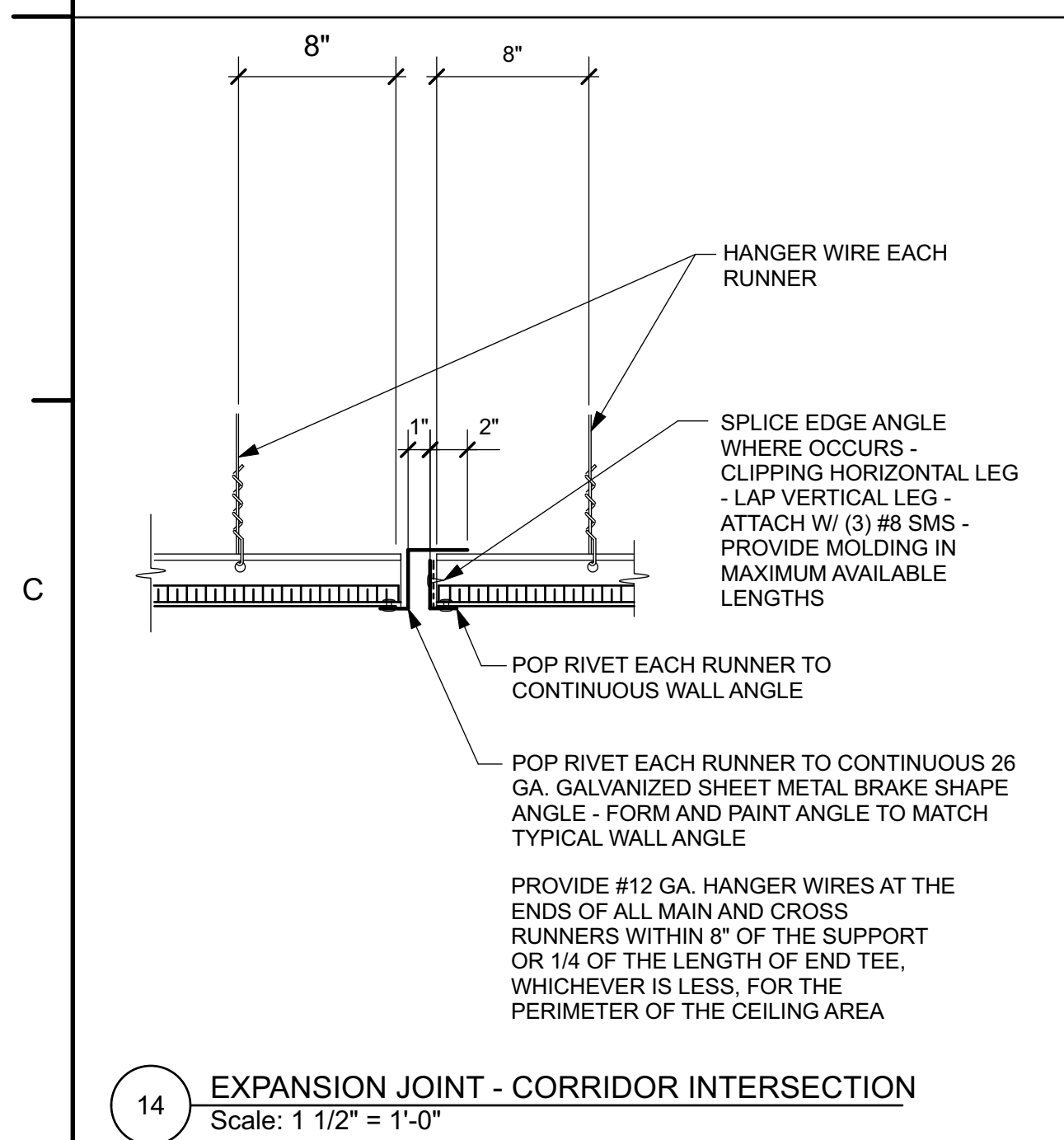
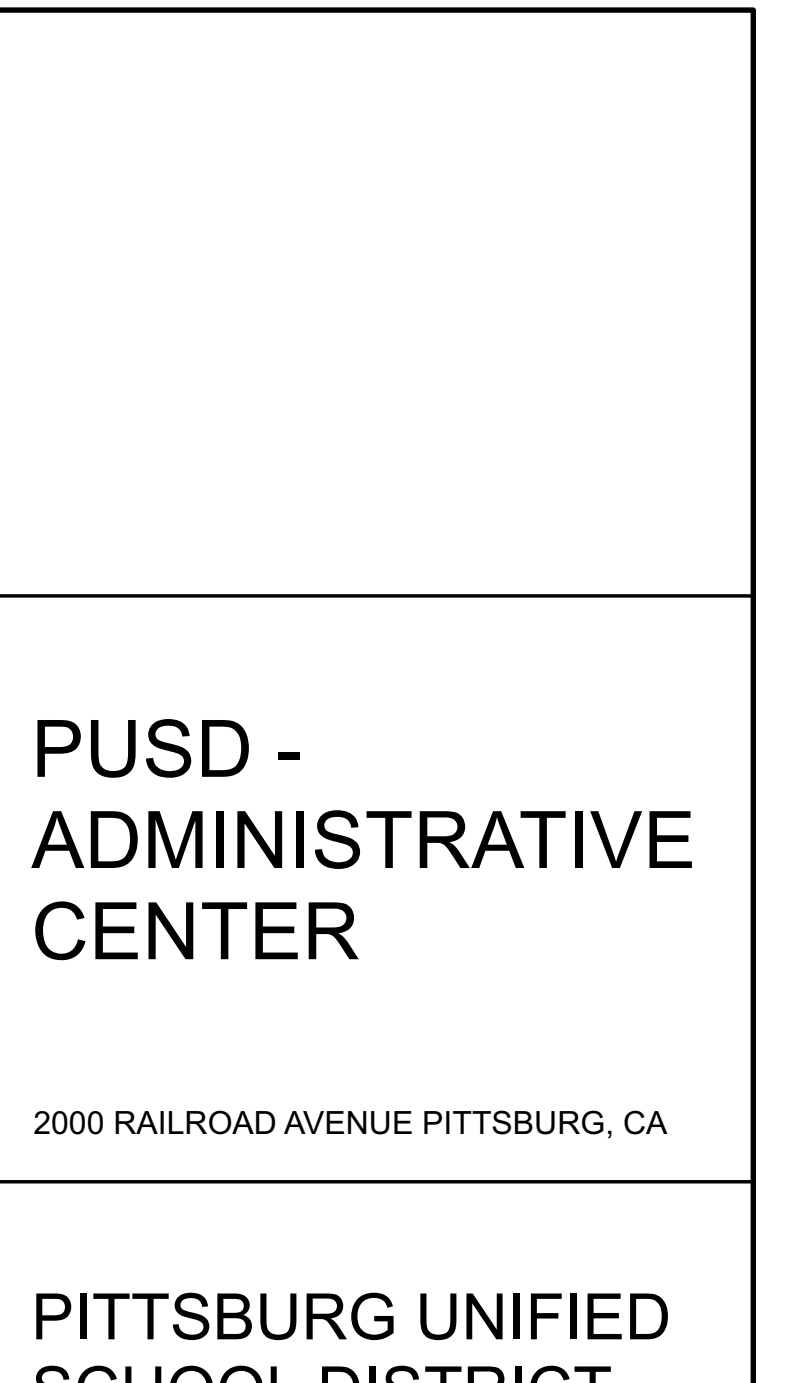
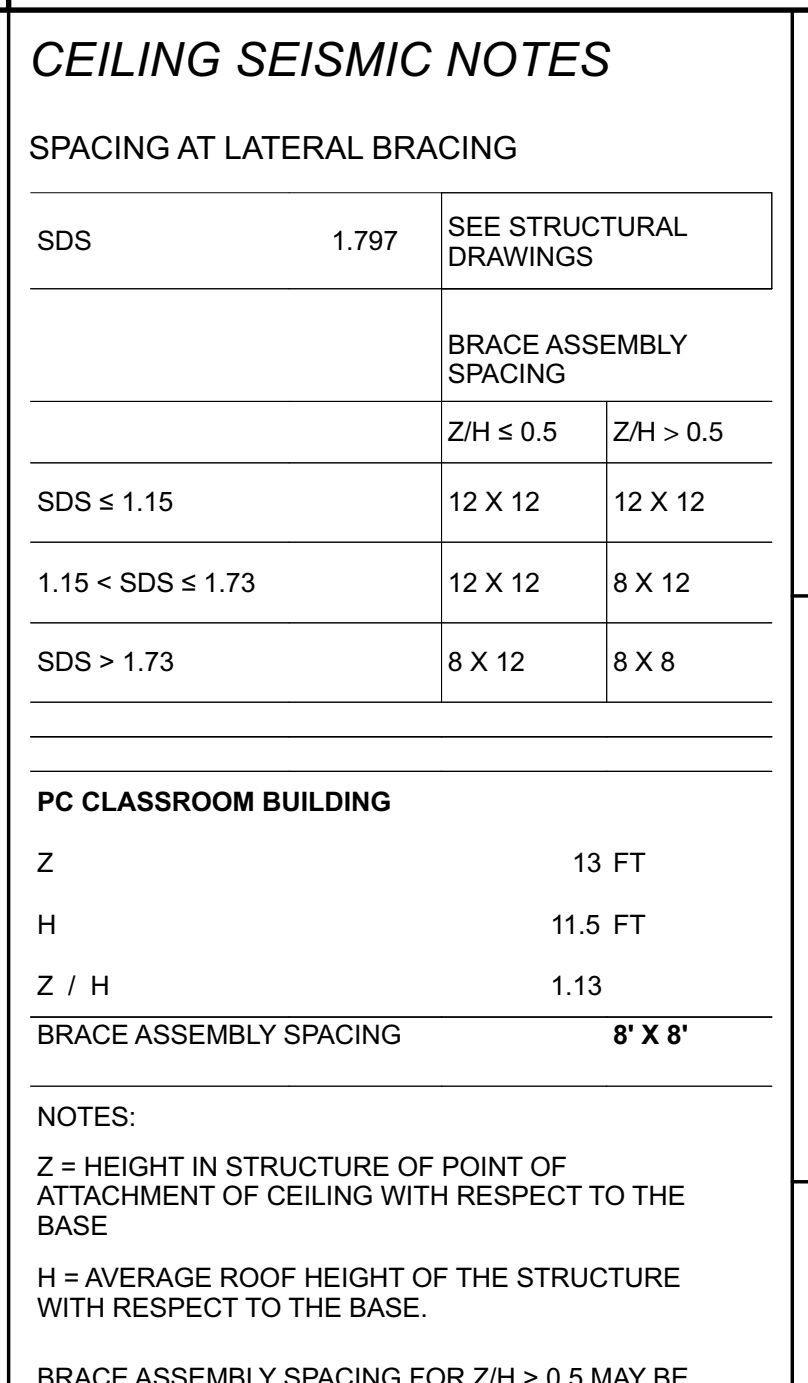
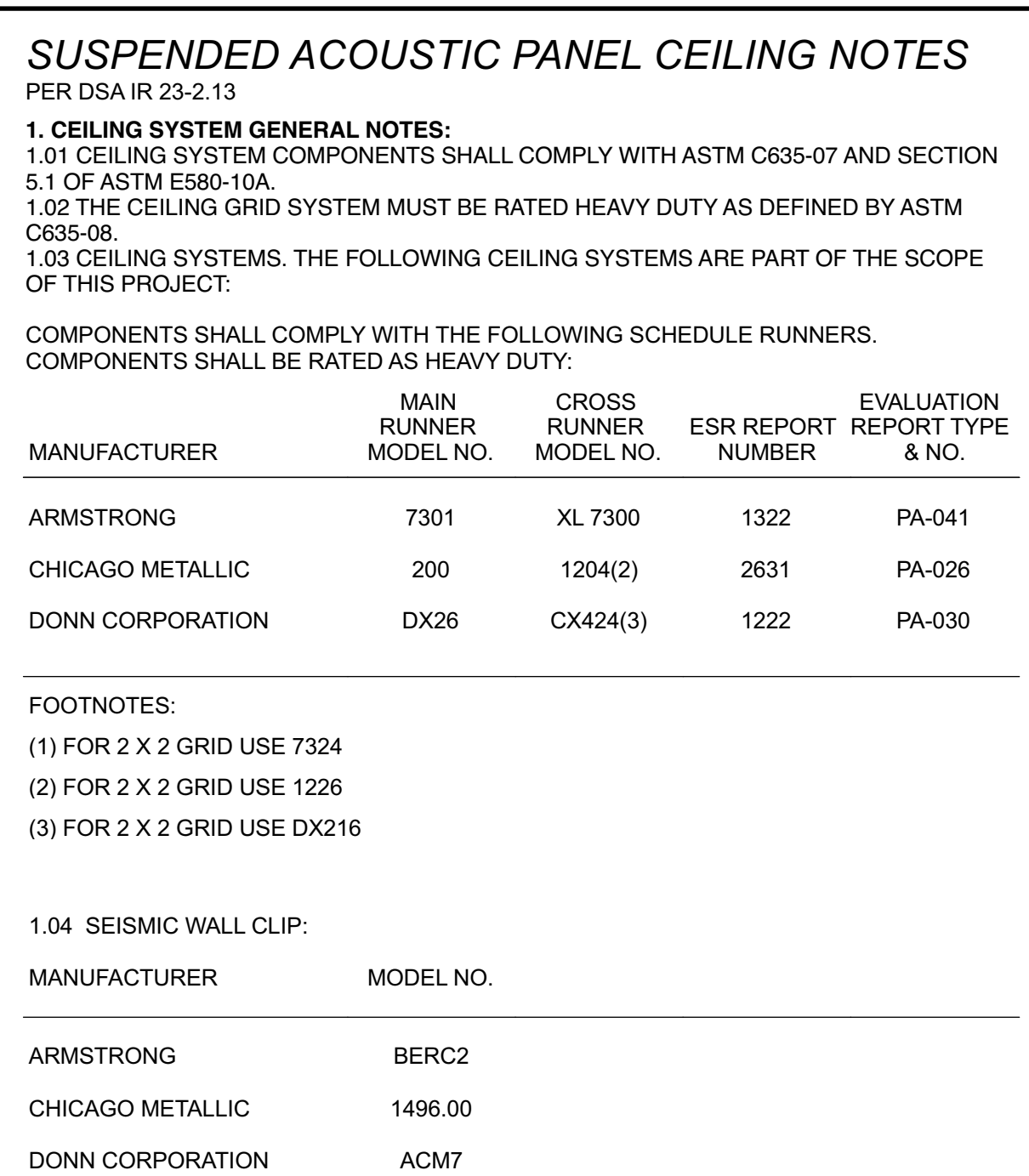
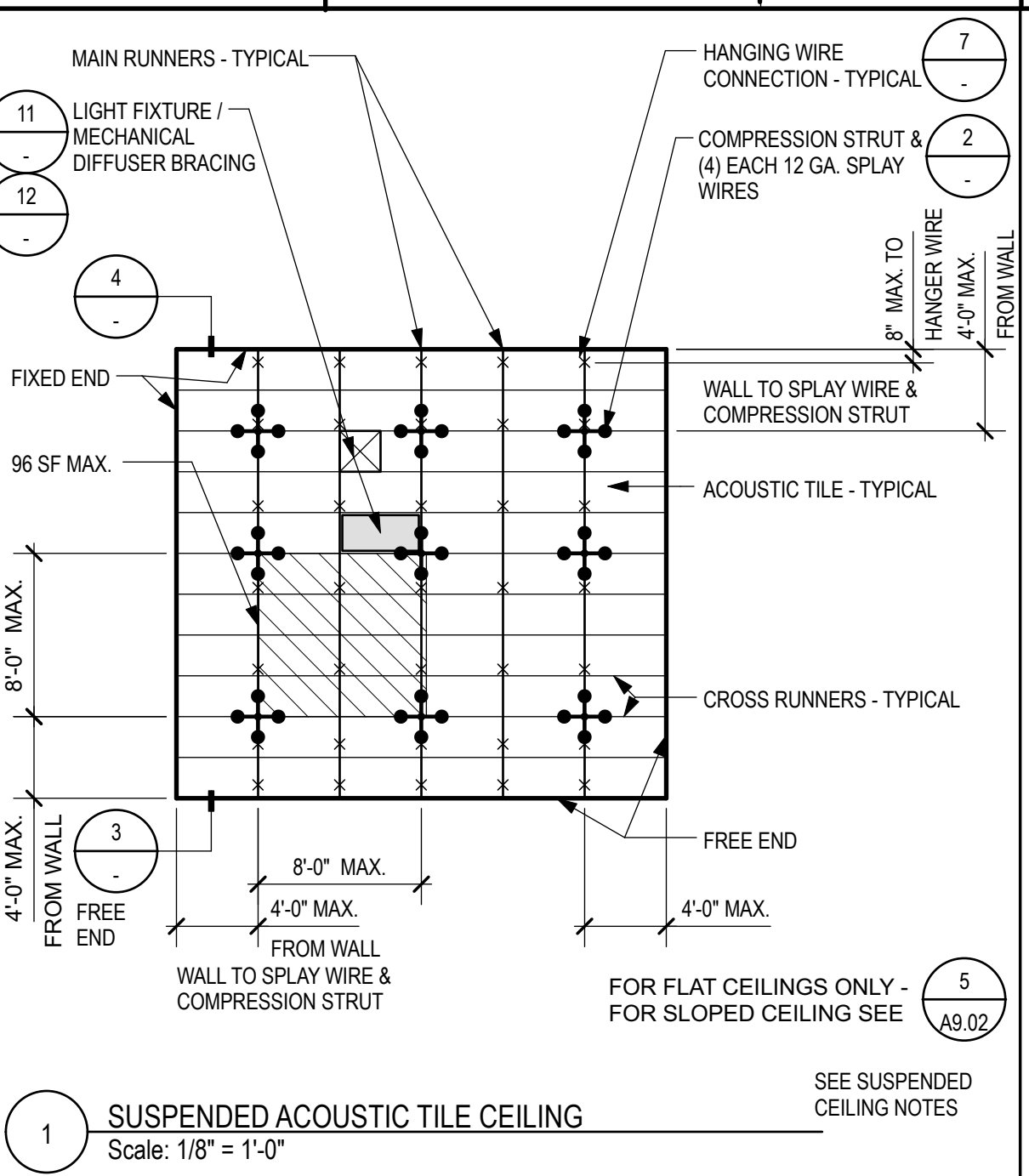
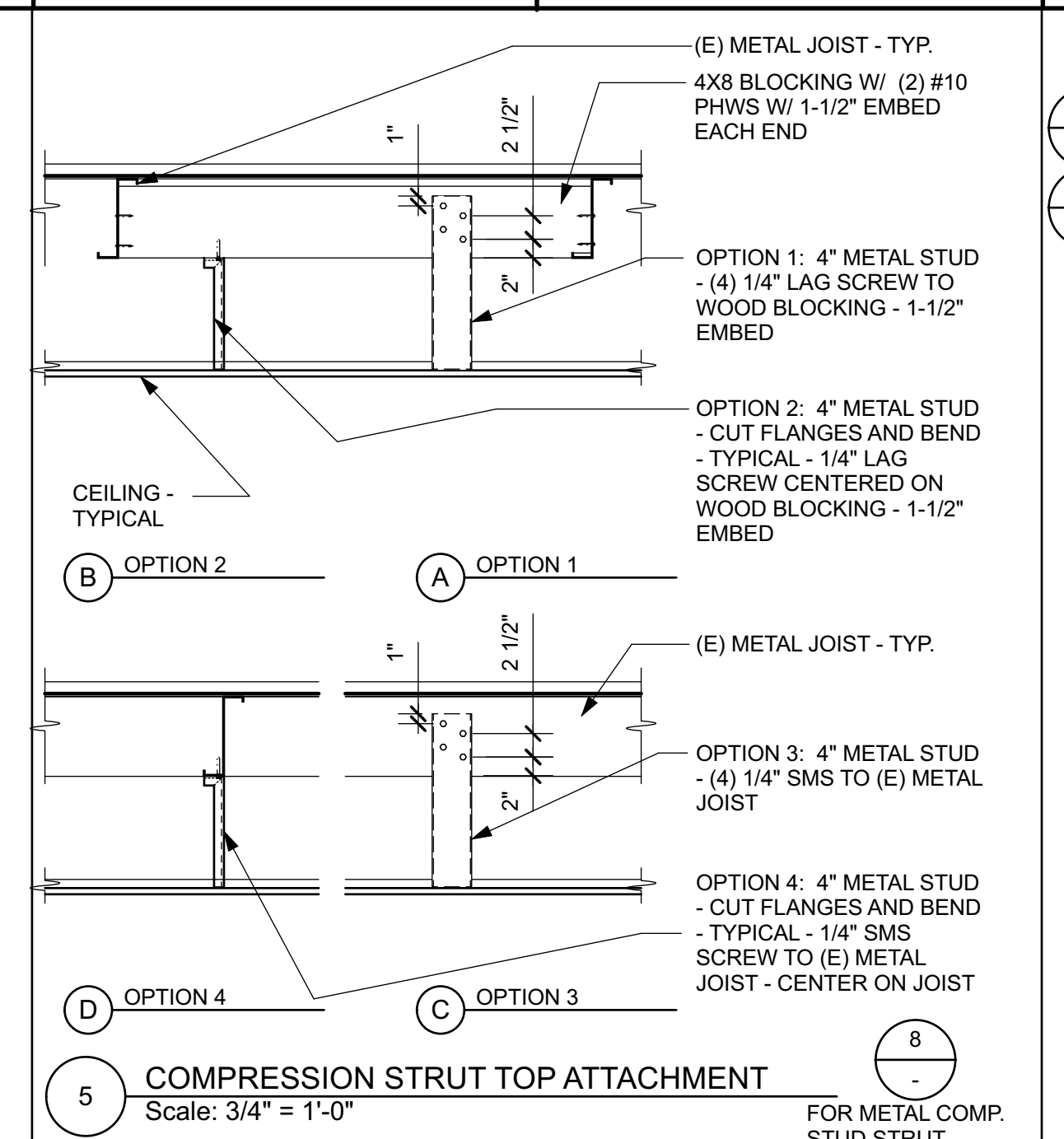
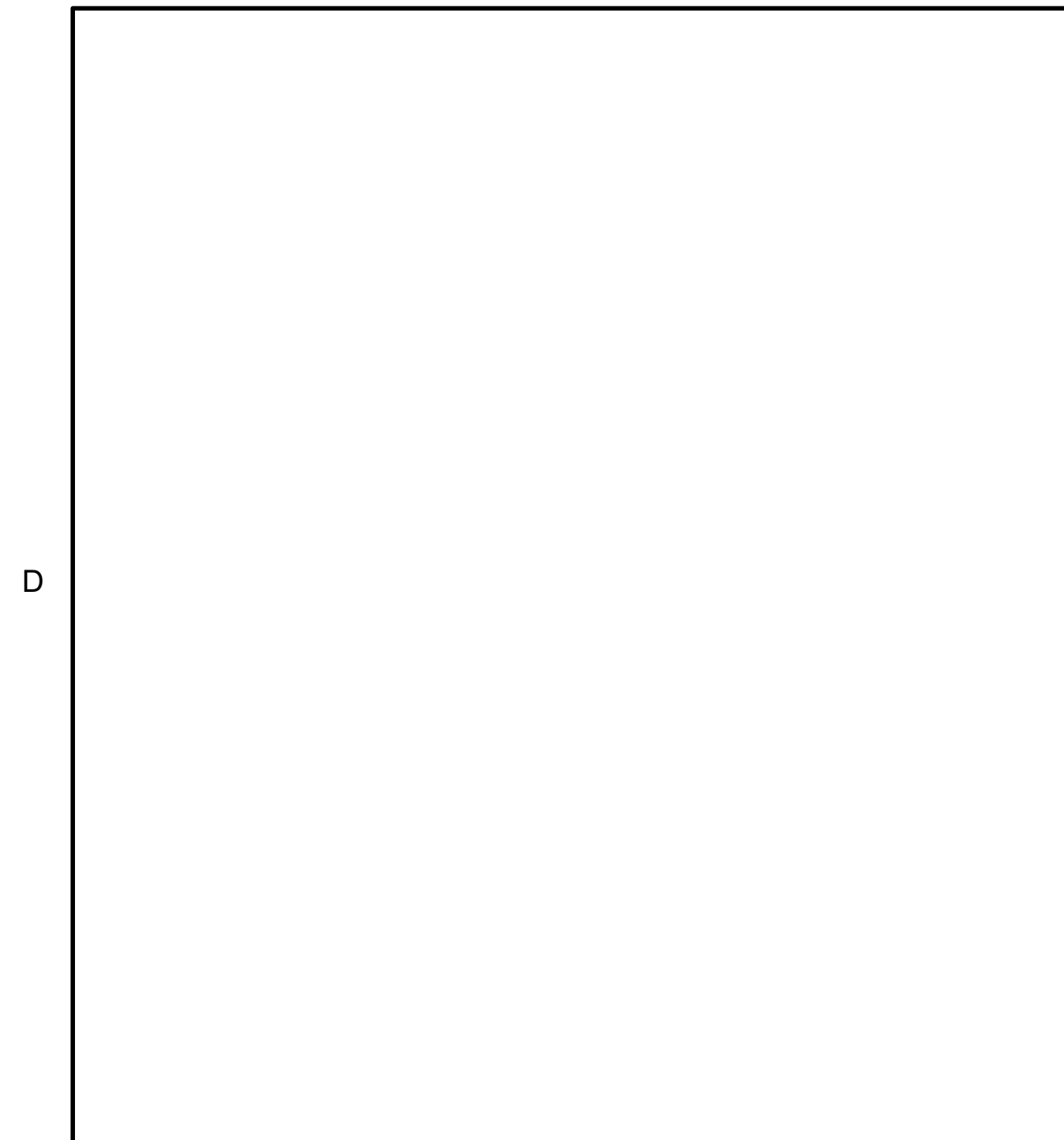
KEY PLAN
DRAWING TITLE

NON-BEARING FRAMING & MISCELLANEOUS DETAILS

SHEET NUMBER

A9.1

CAD FILE: Untitled 4
DATE: 11/22/2022 PROJECT NO.: 2022.150



SUSPENDED ACUSTIC PANEL CEILING NOTES
PER DSA IR 23-2.13

1. CEILING SYSTEM GENERAL NOTES:
1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635-07 AND SECTION 5.1 OF ASTM E569-10A
1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635-09
1.03 CEILING SYSTEMS. THE FOLLOWING CEILING SYSTEMS ARE PART OF THE SCOPE OF THIS PROJECT:

COMPONENTS SHALL COMPLY WITH THE FOLLOWING SCHEDULE RUNNERS. COMPONENTS SHALL BE RATED AS HEAVY DUTY:

MANUFACTURER	MAIN RUNNER MODEL NO.	CROSS RUNNER MODEL NO.	ESR REPORT NUMBER	EVALUATION REPORT TYPE & NO.
ARMSTRONG	7301	XL 7300	1322	PA-041
CHICAGO METALLIC	200	1204(2)	2631	PA-026
DONN CORPORATION	DX26	CX424(3)	1222	PA-030

FOOTNOTES:
(1) FOR 2 X 2 GRID USE 7324
(2) FOR 2 X 2 GRID USE 1226
(3) FOR 2 X 2 GRID USE DX216

1.04 SEISMIC WALL CLIP:
MANUFACTURER MODEL NO.
ARMSTRONG BERCC2
CHICAGO METALLIC 1496.00
DONN CORPORATION ACM7

SEISMIC CLIP AND CEILING SYSTEM SHALL BE BY SAME MANUFACTURER.

1.05 CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
1.06 FOR CEILING INSTALLATIONS UTILIZING ACUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 3/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP.

2. MATERIALS:
2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641-09A. WIRE SHALL BE #12 GAGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.
2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL CONFORM TO ASTM A653-11, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A2.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2007, INCLUDING SUPPLEMENT 2 DATED 2010 (ANSI S10.07/750-10). MATERIAL #18 (16 GAGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.30/SUL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.

3. ATTACHMENT OF HANGER AND BRACING WIRES:
3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM AIR UNBARRICADED DUCTS, PIPES, CONDUIT, ETC.
3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO: PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
3.04 SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
3.05 HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE. (E.G. BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE. SCREW EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.)

4. FASTENERS AND WELDING:
4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1518-10, ASME B18.8.4-89 (F2005). PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
4.02 EXPANSION ANCHORS SHALL BE: HILTI KB-T2 - ESR 1917 EVALUATION REPORT. THE POWER-ACTUATED FASTENERS SHALL BE NOT USED IN THIS PROJECT.
4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS GIVEN THROUGH THE STEEL MEMBER.
4.05 POWER-ACTUATED FASTENERS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
4.06 CONCRETE REINFORCEMENT AND PRESTRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST - INSTALLED ANCHOR.
4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

5. TESTING: ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.
5.01 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1913A.7.
5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1913A.7.

6. LIGHT FIXTURES:
6.01 ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE. PER ASTM E569, SECTION 5.1
6.02 SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SUPPORT THE CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
6.03 LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.04 LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.05 LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.
EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE AT EACH CORNER.
6.06 ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR (4) TAUT #12 GAGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THE ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

7. SERVICES WITHIN THE CEILING:
7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
7.02 CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LB. SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.03 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LB. BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO (2) #12 GAGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.04 FLEXIBLE SPRING HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR (4) TAUT #12 GAGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

8. OTHER DEVICES WITHIN THE CEILING:
8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LB. SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

CEILING SEISMIC NOTES

SPACING AT LATERAL BRACING

SDS	1.797	SEE STRUCTURAL DRAWINGS
		BRACE ASSEMBLY SPACING
	ZH ≤ 0.5	ZH > 0.5
SDS ≤ 1.15	12 X 12	12 X 12
1.15 < SDS ≤ 1.73	12 X 12	8 X 12
SDS > 1.73	8 X 12	8 X 8

PC CLASSROOM BUILDING

Z = 13 FT

H = 11.5 FT

Z / H = 1.13

BRACE ASSEMBLY SPACING = 8' X 8'

NOTES:
Z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING WITH RESPECT TO THE BASE
H = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE
BRACE ASSEMBLY SPACING FOR ZH > 0.5 MAY BE USED FOR FULL BUILDING HEIGHT

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SHEET NOTES

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	3/3/2022
2	BID DOCUMENTS	12/14/22
3	BID DOCUMENTS	1/19/23

APPROVALS

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LEGEND

KEY PLAN
DRAWING TITLE

CEILING DETAILS

SHEET NUMBER

A9.2

CAD FILE: Untitled 4
DATE: 11/2/2022 PROJECT NO.: 2022.150

PLUMBING GENERAL NOTES

- SEE ARCHITECTURAL DRAINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
- COORDINATE LOCATION OF PIPING WITH OTHER TRADES ON THIS PROJECT.
- CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
- PROVIDE BALL VALVES ON WATER PIPE BRANCHES TO EQUIPMENT AND PLUMBING FIXTURES. PROVIDE ACCESS PANELS WHEN LOCATED IN FURRED SPACES OR ABOVE NON-REMOVABLE CEILINGS. ALL VALVES SHALL BE FULL LINE SIZE.
- SEAL ALL PIPE PENETRATIONS THROUGH FLOORS WATERTIGHT.
- PROVIDE GAS SHUT-OFF VALVE, UNION AND DIRT LEG AT EACH GAS CONNECTION TO MECHANICAL EQUIPMENT.
- DOMESTIC HOT WTER HEATERS SHALL BE SEISMICALLY SECURED TO BUILDING STRUCTURE WITH ADEQUATE STRUCTURAL SUPPORT WITH ANCHOR BOLTS.
- PRIOR TO ANY SOLENOID VALVE, QUICK CLOSING VALVE, ETC. PROVIDE AND INSTALL SHOCK ABSORBER OF REQUIRED SIZE.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
- OFFSET VENTS THROUGH ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
- CONDENSATE DRAIN CONNECTIONS TO MECHANICAL UNITS SHALL INCLUDE MINIMUM 4" DEEP "P" TRAP AND CLEANOUTS AT ALL OFFSETS.
- ALL MECHANICAL UNITS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE "M" SHEETS.
- OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
- FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.
- BUILDING SEWER, WATER AND STORM DRAIN RUN APPROXIMATELY 5' AWAY FROM BUILDING, SECTION 22 10 00 APPLIES TO UTILITIES IN THE BUILDING, UNDER THE BUILDING AND TO 5' OUTSIDE THE BUILDING, BEYOND THE 5' OUTSIDE OF BUILDING SECTION 02 70 00 GOVERNS.
- ALL FLOOR MOUNTED FIXTURES, CLEAN OUTS AND FLOOR DRAINS TO BE FLUSH MOUNTED WITH 2% MAXIMUM SLOPE.

PLUMBING ANCHORAGE NOTES

ALL PLUMBING COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

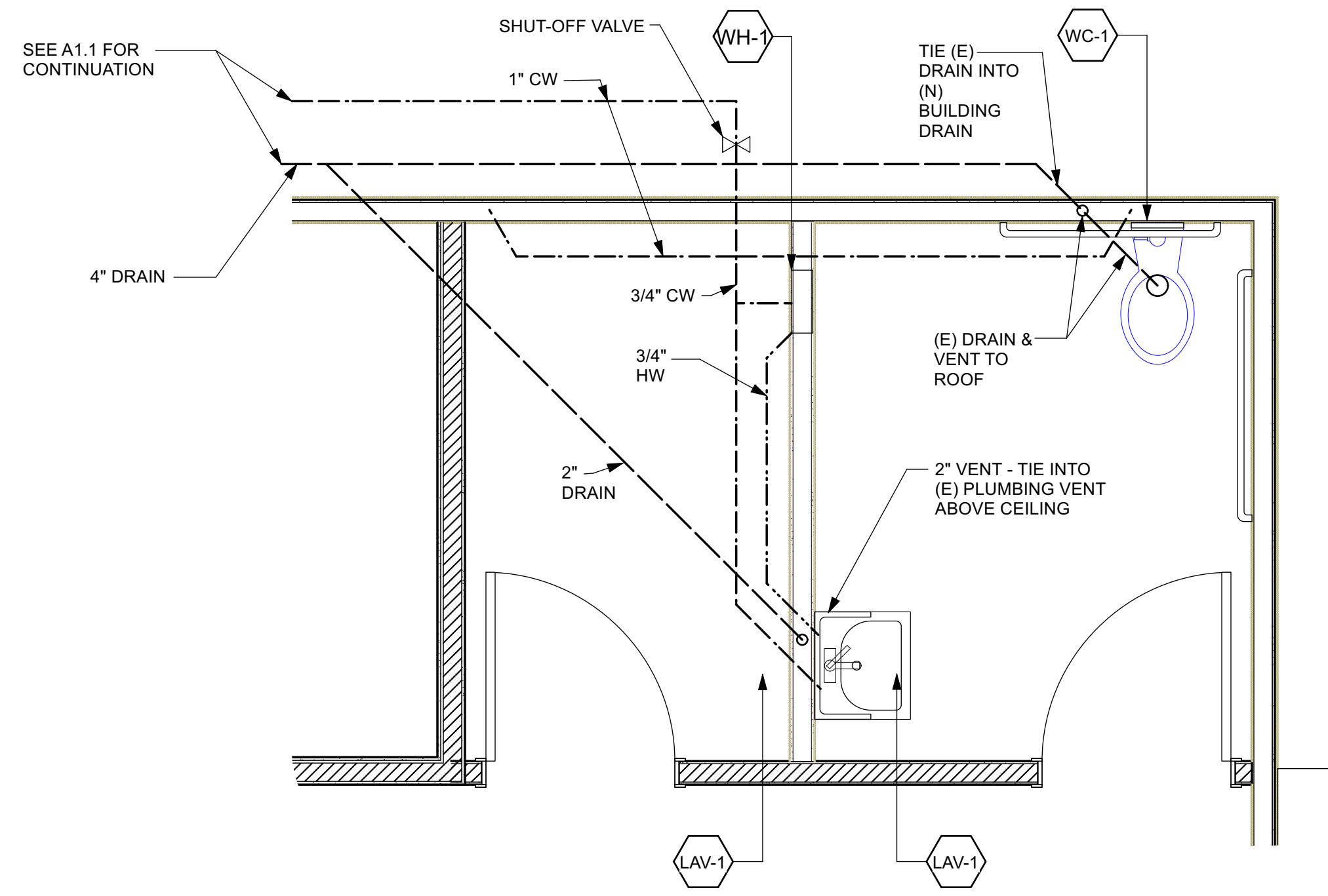
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED OR HARD PIPED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT FOR PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. THE FOLLOWING PLUMBING COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED LESS THAN 4 FEET ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL. THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED REPNOSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAV BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING DISTRIBUTION SYSTEM BRACING NOTES

PIPING DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26. THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (SUCH AS SMACNA OR OSHPD OPM FOR 2013 CBC OR LATER). COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE OT SUPPORT THE HANGER AND BRACE LOADS. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP -PP OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. MP -PP OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM#) #0043-13.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	COUNT	MANUFACTURER & MODEL NO.			FINISH	REMARKS
			FIXTURE	FAUCET	TRIM		
WC-1	WATER CLOSET	1	(E) WATER CLOSET TO REMAIN			WHITE	
L-1	LAVATORY WALL MOUNTED HOT & COLD WATER ACCESSIBLE	2	SALVAGE (E) WALL MOUNTED LAVATORY AND SUPPORT	(E) LEVER ACTION FAUCET		WHITE	



1 ENLARGED TOILET ROOM PLAN
Scale: 1/2" = 1'-0"

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MODEL	FAUCET OR VALVE	TRIM	REMARKS	VENT	WASTE	COLD WATER	HOT WATER
LAV-1	SALVAGED LAVATORY		SALVAGED FAUCET	ADA COMPLIANT: LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.019, CHROME FINISH, MOUNT P-TRAP FLUSH TO WALL		2"	2"	3/4"	3/4"
WC-1	(E) WATER CLOSET TO REMAIN								

WATER HEATER SCHEDULE

MARK	MODEL	DESCRIPTION	KW	AMPS	VOLTS	MOUNT	WEIGHT	DETAIL	REMARKS
WH-1	RHEEM RETEX 13	ELECTRIC HOT WATER HEATER, DEMAND TYPE	13	54	240	WALL SEMI-RECESSED			MOUNT ABOVE TOE CLEARANCE HEIGHT

KEY NOTES

REF KEY NOTE

SHEET NOTES

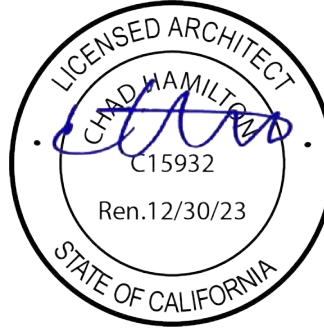
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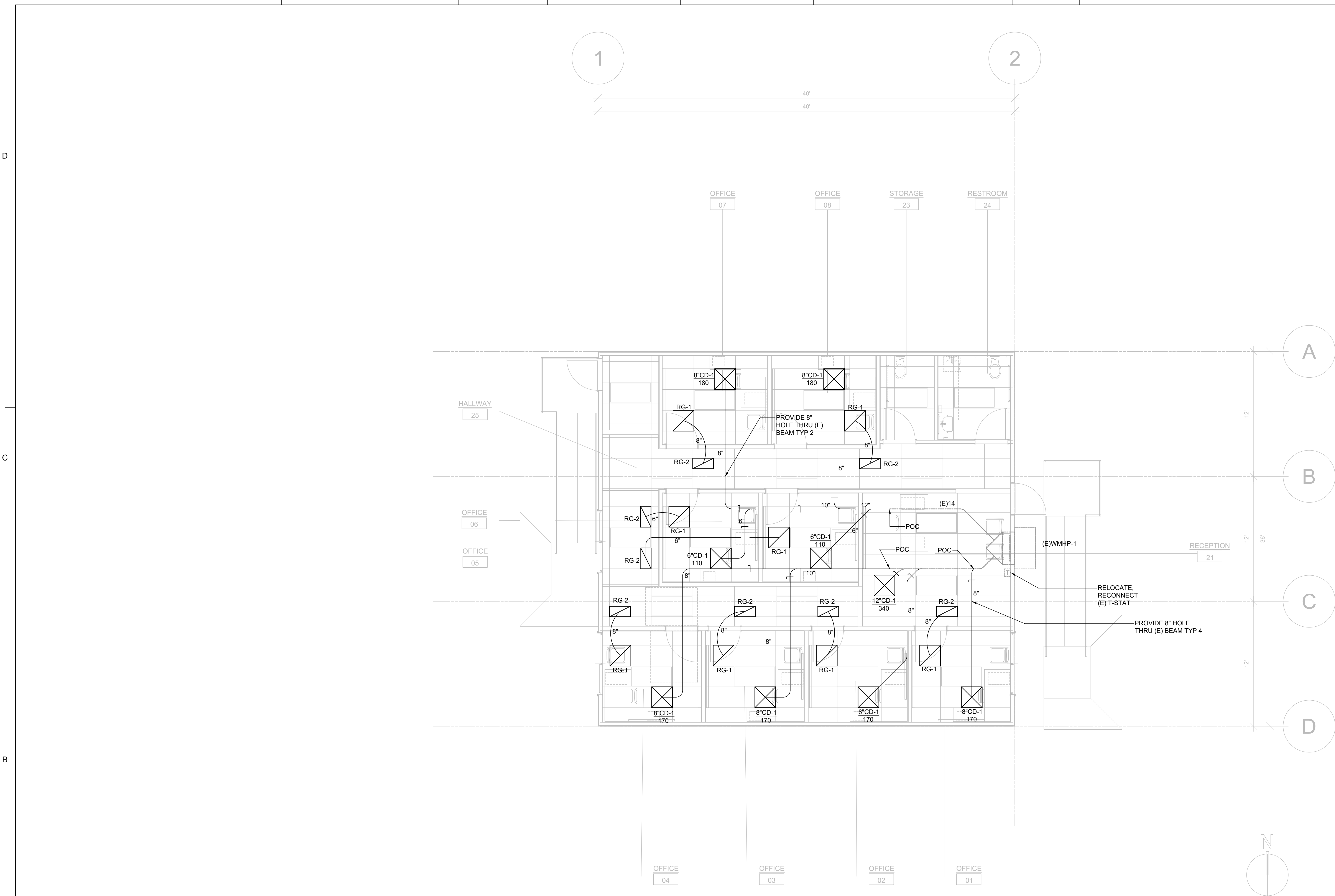
KEY PLAN
DRAWING TITLE

PLUMBING FLOOR PLAN

SHEET NUMBER

P2.1

CAD FILE: Unfiled 4
DATE: 11/2/2022 PROJECT NO.: 2022.150



1 MECHANICAL FLOOR PLAN
Scale: 1/4" = 1'-0"

KEY NOTES

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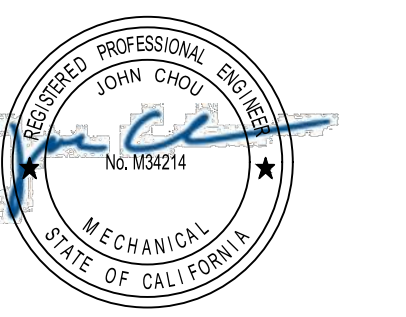
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2	BID DOCUMENTS	12/14/2022
3	RE BID	1/17/23

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LEGEND



KEY PLAN
DRAWING TITLE

MECHANICAL FLOOR PLAN

SHEET NUMBER

M1.0

CAD FILE: Untitled 4	PROJECT NO.
DATE: 11/2/2022	2022.150

GENERAL NOTES

- 1. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE CALIFORNIA ELECTRICAL CODE, SPECIFICATIONS AND STANDARD, THE LATEST RULES AND REGULATIONS OF THE SAFETY ORDERS ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
2. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS. VISIT CONSTRUCTION SITE AND ATTEND THE PRE-BID MEETING TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANYWAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONTRACT IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
3. THIS CONTRACTOR SHALL INCLUDE ALL CONTINGENCIES WHICH MAY ARISE AND WHICH MAY BE REQUIRED BY ALTERATION AND DEMOLITION WORK. THIS IS TO INCLUDE ALL REMOVAL, RELOCATION AND REWORKING OF ELECTRICAL OUTLETS, CONDUITS, WIRING AND ITEMS FOR ELECTRICAL EQUIPMENT REQUIRED AND ANY NECESSARY SPlicing OR EXTENSION OF EXISTING CONDUIT AND WIRING SYSTEMS. THE ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND DETERMINE EXTENT OF THE WORK.
4. FIELD VERIFY TO CONFIRM ALL FIRE RESISTIVE CEILINGS AND WALLS. PROVIDE FIRE STOP SEALS PER UNIFORM BUILDING CODE FOR CONDUIT PENETRATION THROUGH FIRE RESISTIVE FLOORS, WALLS AND CEILINGS.
5. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES AND BEAR THEIR LABEL.
6. CONDUIT ROUTING SHOWN IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES. ALL EXPOSED CONDUIT, BOXES, FITTINGS, SUPPORT, ETC. SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
7. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL AND OTHER DRAWINGS RELATED TO THIS PROJECT FOR ADDITIONAL WORK TO BE PROVIDED.
8. ANY POWER SHUTDOWN SHALL BE COORDINATED WITH SCHOOL DISTRICT CONSTRUCTION COORDINATOR. A SHUTDOWN SCHEDULE SHALL BE PRESENTED TO SCHOOL DISTRICT FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN SHALL BE PERFORMED IN OVERTIME HOURS IF SO DIRECTED BY SCHOOL DISTRICT.
9. ALL FEEDER AND BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED CONCEALED IN FINISHED AREA, UNLESS OTHERWISE NOTED. CUT AND PATCH (E) WALL OR CEILING AS REQUIRED. SURFACE TYPE RACEWAY MAY BE PROVIDED IN LIEU OF CONCEALED CONDUITS. SEE NOTES 34, 35 AND 36 FOR REQUIREMENTS.
10. ALL PENETRATIONS THROUGH FIRE RESISTIVE WALLS SHALL BE TOTALLY SEALED TO PREVENT THE SPREAD OF SMOKE, FIRE, TOXIC GASES, AND WATER THROUGH THE PENETRATION BEFORE, DURING AND AFTER A FIRE CONDITION. THE FIRE RATING OF THE SEALED PENETRATION SHALL BE AT LEAST THAT OF THE WALL INTO WHICH IT IS INSTALLED. THE SEAL SHALL PERMIT THE VIBRATION, EXPANSION AND/OR CONTRACTION OF THE CONDUIT PASSING THROUGH THE PENETRATION WITHOUT THE SEAL CRACKING OR CRUMBLING.
11. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUCTORS SHALL BE 12 AWG THIN STRANDED COPPER ONLY.
12. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4".
13. GREEN INSULATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUIT WIRING.
14. PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE SELF-ADHESIVE PHENOLIC TYPE AND WHITE LETTER ON BLACK BACKGROUND, PROVIDE BRADY OR DYMO TYPE LABELS (CIRCUIT IDENTIFICATION) FOR ALL SWITCHES AND RECEPTACLES.
15. THE CONTRACTOR SHALL PROVIDE TYPEWRITTEN DIRECTORIES FOR ALL ELECTRICAL PANELS INVOLVED IN THIS PROJECT. THE PANEL DIRECTORIES SHALL REFLECT THE AS-BUILT CIRCUITS. ONE COPY OF THE SCHEDULE SHALL BE TAPED TO THE INSIDE OF THE PANEL DOOR, AND ONE COPY SHALL BE SUBMITTED TO THE ENGINEER AS AN "AS-BUILT" DRAWING.
16. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION PER CBC REQUIREMENTS.
17. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. THE DRAWINGS SHOWING LOCATION OF EQUIPMENT IN EXISTING AREAS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONCEAL ALL WORK, IF THIS NOT POSSIBLE, SURFACE RACEWAY SUCH AS WIREMOLD SHALL BE USED ONLY WITH THE APPROVAL OF THE ARCHITECT AND OWNER.
18. THE CONTRACTOR SHALL BE CURRENT SIGNATORY TO IBEW. THE CONTRACTOR SHALL EMPLOY QUALIFIED, LICENSED IN STATE OF CALIFORNIA AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR OWNER AND IOR.
19. WHERE CONDUIT IS ROUTED ON ROOF STRUCTURES, PROVIDE SUPPORT AT 10'-0" O.C. MAXIMUM.
20. ALL EXPOSED CONDUIT BELOW 7'-0" SHALL BE RSC AND ALL EXPOSED HARDWARE SHALL BE "HOT DIPPED" GALVANIZED. ALL INTERIOR CONDUITS MAY BE EMT, UNLESS OTHERWISE NOTED.
21. OUTLETS MOUNTED ON WALL BACK TO BACK SHALL MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF 24" OR BE SEPARATED BY A STUD AND SHALL COMPLY WITH APPLICABLE CODES, REGULATIONS ON FIRE RATINGS(S) AND MAY REQUIRE ADDITIONAL MEASURES, INCLUDING PUDDY PACKS OR EQUIVALENT AT DEVICES, FITTINGS OR JUNCTION BOXES, ETC, PER IOR AND/OR ARCHITECT AND HAVE FINAL DECISION.
22. WHERE SURFACE WIRING IS CALLED FOR IN A FINISHED AREA, SURFACE TYPE RACEWAY SYSTEM SHALL BE INSTALLED COMPLETE WITH ALL PROPER FITTINGS, ADAPTERS, OUTLETS, DEVICES COVERS, END CAPS, ETC. AS MANUFACTURED BY PANDUIT OR AN APPROVED EQUAL AND SHALL BE PAINTED TO MATCH COLOR OF ADJACENT WALL OR CEILING. ALL EXPOSED CONDUITS, BOXES AND CABINETS SHALL ALSO BE PAINTED TO MATCH COLOR OF ADJACENT WALL OR CEILING.
23. SURFACE TYPE RACEWAY SYSTEM SHALL BE INSTALLED PARALLEL TO, OR AT RIGHT ANGLES TO BUILDING LINES AND ROUTE AROUND SURFACE MOUNTED ITEMS, SUCH AS TACK BOARDS, ETC.
24. GENERALLY, HORIZONTAL RUNS SHALL BE INSTALLED ON THE CORNER BELOW CEILING LINE AS APPROVED BY THE ENGINEER.
25. ALL UNDERGROUND CONDUIT SHALL HAVE #12 TRACER WIRE WITH THIN INSULATION UNDER EACH RUN OF THE UNDERGROUND CONDUIT DUCTBANK AND 6" FOIL MARKER IN TRENCH. TRACER WIRE SHALL EXTEND AT TERMINATION POINTS A MIN. OF 3 FT FROM SUCH SURFACE AND SHALL BE TRAPPED SECURED TO CONDUIT OR ACCEPTABLE EQUIVALENT.
26. SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. SEE IR 16-9 FOR ADDITIONAL REQUIREMENTS FOR PENDANT MOUNTED FIXTURE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E., AIRCRAFT CABLES TO WALL, THEN A BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING. IF THE PENDANT MOUNTED LIGHT FIXTURE IS NOT DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, THEN A BRACING ASSEMBLY, PER FIGURE 1 OF DSA IR 25-2-13, IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT THE HORIZONTAL FORCE. EXCEPTION: WHERE THE WEIGHT OF THE FIXTURE IS LESS THAN 20 POUNDS, THE COMPRESSION POST SHOWN IN FIGURE 1 OF DSA IR 25-2-13, IS NOT REQUIRED.
27. RIGID CONDUIT SHALL NOT BE USED FOR ATTACHMENT OF THE FIXTURES.
28. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST IN THE PRESENCE OF DSA IOR TO DEMONSTRATE TO THE OWNER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED TEST RESULTS SHALL BE SENT TO DISTRICT FOR IOR AND AOR. ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR WORK SHALL BE CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.
29. RECEPTACLES VERTICALLY INSTALLED SHALL HAVE THE "U" GROUND UP AND HORIZONTALLY INSTALLED SHALL HAVE THE NEUTRAL ON TOP.
30. ALL WIRES SHALL BE IN CONDUIT.

GENERAL NOTES (CONTINUATION)

- 40. ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE, PER ASTM E580, SECTION 5.3.1.
41. LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
42. LIGHT FIXTURES WEIGHING GREATER THAN 10 LB, BUT LESS THAN OR EQUAL TO 56 LBS, MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
43. LIGHT FIXTURES WEIGHING GREATER THAN 56 LB SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAUGE WIRES ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAUGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
44. ALL FOUR FOOT x FOUR FOOT LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER UNLESS SUPPORTED PER SECTION 7.2.4. OF DSA IR 25-2-13.
45. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAUGE SUSPENSION WIRE SHALL BE ATTACHED TO EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.

ELECTRICAL SCOPE OF WORK

- 1. LIGHTING AND POWER UPGRADE IN THE RESTROOMS.
2. LIGHTING, POWER AND DATA UPGRADE ON 4TH AND 7TH FLOORS.
3. POWER CONNECTION TO MECHANICAL EQUIPMENT.
4. CONDUIT PENETRATION THROUGH FLOORS WITH 2-HOUR FIRE RATED PENETRATION.
5. CUTTING, PATCHING AND FINISHES FOR ELECTRICAL WORK.
6. TESTING AND COMMISSIONING OF LIGHTING, POWER AND DATA CABLE INSTALLATION.

ABBREVIATIONS

Table with columns for abbreviations and their meanings. Includes: A AMP AMPERE, AFF ABOVE FINISHED FLOOR ACCESS POINT, AP ACCESS POINT, BRKR BREAKER, C CONDUIT, CATV CABLE TELEVISION, CBC CALIFORNIA BUILDING CODE, CCTV CLOSED CIRCUIT TELEVISION, CEC CALIFORNIA ELECTRIC CODE, CKT CIRCUIT, CO CONDUIT ONLY WITH PULL ROPE CURRICULUM AND PRESENTATION SYSTEM, CSC CLOCK/SPEAKER CABINET, (E) EXISTING, FU FUSE, (G) GROUND, GUARD, IDF INTERMEDIATE DISTRIBUTION FRAME, MAX MAXIMUM, MDF MAIN DISTRIBUTION FRAME, MIN MINIMUM, MPOE MAIN POINT OF ENTRY, MTC MAIN TELEPHONE CABINET, MTB MAIN TELEPHONE BOARD, NEC NATIONAL ELECTRICAL CODE, NL NIGHT LIGHT, NTS NOT TO SCALE, O.C. ON CENTER, PA PUBLIC ADDRESS, PH, # PHASE, PNL PANEL, (R) RELOCATED RECEPTACLE, SAD SEE ARCHITECTURAL DRAWINGS, STC SATELLITE TERMINAL CABINET, TRANSF. TRANSFORMER, TB TELEPHONE BOARD, TC TERMINAL CAN, TYP TYPICAL, UON UNLESS OTHERWISE NOTED, V VOLT, W WATT, WG WIRE GUARD, WP WEATHERPROOF, XFMR TRANSFORMER.

LEGEND

- HOMERUN TO PANEL, HASHMARKS INDICATE NUMBER OF #12 AWG WIRES IF MORE THAN (3); (1) INDICATES GROUND.
CONDUIT AND CONDUCTORS CONCEALS IN WALL OR CEILING
CONDUIT AND WIRES CONCEALED IN FLOOR OR UNDERGROUND
CONDUIT STUBBED OUT IN ACCESSIBLE LOCATION, CAP AND MARK LOCATION
CONDUIT RISER
SURFACE MOUNTED ELECTRICAL PANELBOARD, 277/480V
SURFACE MOUNTED ELECTRICAL PANELBOARD, 120/208V
RECESSED MOUNTED ELECTRICAL PANELBOARD, 120/208V
HASHMARK INDICATES EXISTING ELECTRICAL ITEM TO BE DISCONNECTED AND REMOVED INCLUDING WIRES AND CONDUIT UP TO THE NEXT JUNCTION BOX WHICH IS TO REMAIN.
SURFACE RACEWAY WITH DIVIDER, PANDUIT TYPE T130 COMPLETE WITH BASE, FITTINGS AND COVER. SUBSCRIPT 4P DENOTES 4-DUPLEX RECEPTACLES AND SUBSCRIPT 4D DENOTES 4-SINGLE PORT DATA OUTLETS, MOUNT OUTLETS IN EQUAL SPACING. ALL DUPLEX RECEPTACLES WITHIN 6FT. OF SINK SHALL HAVE GFCI PROTECTION. WIRE DUPLEX RECEPTACLE EVERY OTHER CIRCUIT AND BALANCE THE LOAD AS MUCH AS POSSIBLE.
6" ROUND DOWNLIGHT FIXTURE WITH JUNCTION BOX
2'x4' LIGHT FIXTURE WITH JUNCTION BOX
EXIT LIGHT
DUPLX RECEPTACLE NEMA 5-20R, 20 AMP, 120V, +18" A.F.F U.O.N.
FOURPLX RECEPTACLE NEMA 5-20R, 20 AMP, 120V, +18" A.F.F U.O.N.
SPECIAL RECEPTACLE NEMA 5-15R, 20 AMP, 120V, +18" A.F.F U.O.N.
CEILING MOUNTED DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, 120V
WALL MOUNTED DATA OUTLET, +18", PROVIDE 3/4"C IN WALL AND EXTEND TO NEAREST CABLE TRAY
WALL MOUNTED DATA OUTLET, SUBSCRIPT "2" DENOTES NUMBER OF PORT PROVIDE 3/4"C IN WALL AND EXTEND TO NEAREST CABLE TRAY
WALL MOUNTED COMBINATION VOICE/DATA OUTLET, +18", PROVIDE 3/4"C IN WALL AND EXTEND TO NEAREST CABLE TRAY
CLASSROOM WALL MOUNTED TELEPHONE OUTLET, +54", PROVIDE 3/4"C IN WALL AND EXTEND TO NEAREST CABLE TRAY
CEILING MOUNTED WIRELESS ACCESS POINT - 2 CAT 6A DATA PORTS PROVIDE 3/4"C AND EXTEND TO NEAREST CABLE TRAY
HORSEPOWER RATED MANUAL SWITCH, SQUARE "D" CLASS 2510
HORSEPOWER RATED MANUAL SWITCH, SQUARE "D" CLASS 2510, 2P, 208V
HORSEPOWER RATED MANUAL SWITCH, SQUARE "D" CLASS 2510, 3P, 208V
PULLBOX, SIZE AS SHOWN ON THE DRAWING
JUNCTION BOX OR PULL BOX, SIZE PER CODE.
LIGHT SWITCH, MOUNTED +48" AFF TO TOP OF BOX, NO OBSTRUCTION
nPODMDX (COLOR) SENSOR SWITCH nLIGHT-2 CHANNEL LOW VOLTAGE PUSH BUTTON WALL STATION WITH RAISE/LOWER EACH CHANNEL, GREEN INDICATOR LED EACH BUTTON STANDARD MOUNTED +48" AFF TO TOP OF BOX, NO OBSTRUCTION
nCMPDT9 (COLOR) SENSOR SWITCH nLIGHT CEILING MOUNT LOW VOLTAGE STANDARD RANGE/HIGH SENSITIVITY 360° DUAL TECHNOLOGY (DIGITAL PIR + MICROPHONICS) OCCUPANCY SENSOR
nWSXPTD LV DX (COLOR) SENSOR SWITCH nLIGHT LOW VOLTAGE DUAL TECH (DIGITAL PIR + MICROPHONICS) WALL SWITCH SENSOR WITH ON/OFF RAISE/LOWER PUSH BUTTON MANUAL CONTROL SWITCH BOX, +48" AFF TO TOP OF BOX, NO OBSTRUCTION.
RECESSED MOUNTED COMBINATION CLOCK AND SPEAKER OUTLET, +9"-0" AFF PROVIDE 3/4"C AND EXTEND TO TO NEAREST CABLE TRAY
PROXIMITY DETECTOR READER, +54"AFG
SECURITY SYSTEM KEY PAD, +54"AFF
MOTION SENSOR
POPIT MODULE
ACCESS POINT FOR WIRELESS DATA NETWORK
MICROPHONE OUTLET
2 FLUSH FLOOR DATA OUTLET
2 FLUSH FLOOR DATA OUTLET FLUSH FLOOR DUPLEX RECEPTACLE OUTLET
RECESSED MOUNTED SPEAKER PROVIDE 3/4"C AND EXTEND TO TO NEAREST CABLE TRAY
EXTERIOR SPEAKER PROVIDE 3/4"C AND EXTEND TO TO NEAREST CABLE TRAY
EXTERIOR LOUD SPEAKERS, WITH WEATHERPROOF HOUSING AND BAFFLE, +11'-0"AFG
BELL/BUZZER
BRIDGE PORT CONNECTION POINTS
LIGHT FIXTURE IDENTIFICATION TAG, IN THIS CASE TYPE "X" LIGHT FIXTURE
SHEET NOTE REFERENCE, SEE NOTE 1
DETAIL TAG. REFER TO DETAIL 1 ON SHEET NUMBER E3.0

DRAWING INDEX

- E0.01 ELECTRICAL COVER SHEET
E0.02 TITLE 24 - INDOOR LIGHTING
E1.00 ELECTRICAL SITE PLAN
E2.00 LIGHTING PLAN
E2.01 POWER AND LOW VOLTAGE PLAN
E3.00 SINGLE LINE DIAGRAM AND DETAILS

LIST OF APPLICABLE CODES

- 1. 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
2. 2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2 (PART 2, TITLE 24, CCR)
3. 2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
4. 2019 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
5. 2019 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
6. 2019 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
7. 2013 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)
8. 2019 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
9. 2019 CALIFORNIA REFERENCE STANDARDS CODE (PART 12, TITLE 24, CCR)
10. NFPA 13, 2016 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
11. NFPA 14, 2013 EDITION, THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS
12. NFPA 24, 2016 EDITION, THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
13. NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

MEP COMPONENT ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTES
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCED AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.
1. ALL PERMANENT EQUIPMENT AND COMPONENTS
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, REMOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENTS IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.6.5, AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2019 CBC OR LATER) COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND THE BRACE LOADS.
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
MP □ MD □ PP □ E □ OPTION 1: DETAILED ON THE APPROVED DRAWINGS AND PROJECT SPECIFIC NOTES AND DETAILS
MP □ MD □ PP □ E □ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM); # _____

DESIGN PROFESSIONAL USER NOTE (DO NOT COPY THIS "USER NOTE" TO THE PLANS).

MECHANICAL/PLUMBING/ELECTRICAL DESIGN PROFESSIONALS: IDENTIFY WHICH OPTION(S) APPLY FOR YOUR PROJECT. IF THE FIRST OPTION IS CHOSEN, PROVIDE PROJECT SPECIFIC DETAILS, CONSISTENT WITH THE SUPPORTING STRUCTURAL SUPPORT FRAMING MATERIALS, SHOWING SUPPORT AND BRACING; CLEARLY INDICATE THE SUPPORTS AND BRACING FOR ALL APPLICABLE SYSTEMS. FOR THE SECOND OPTION, SPECIFY THE OPM # (FOR 2019 CBC OR LATER) APPLICABLE TO THE CONDITIONS OF THE PROJECT COORDINATE WITH THE SEOR TO VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT ALL HANGER AND BRACE LOADS.

PUSD - ADMINISTRATIVE CENTER

2000 RAILROAD AVENUE PITTSBURG, CA

PITTSBURG UNIFIED SCHOOL DISTRICT

2000 RAILROAD AVENUE PITTSBURG, CA 94565

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Professional Engineer Seal for Kenneth S. NGA, License No. 11537, State of California. Alliance Engineering Consultants, Inc. 2701 Patrick Henry Drive, Suite 10 Santa Clara, CA 95054. Phone: (408) 978-8888, Fax: (408) 978-9318. Project No. 115-22-04. www.aec-engineers.com

Table with columns: NO., ISSUED FOR, DATE. Includes: 1 BUILDING LAYOUT 12/02/2022, 2 BID DOCUMENTS 12/14/2022, 3 RE BID 1/17/23.

APPROVALS

THE DRAWING, DESIGN AND INFORMATION CONTAINED ON THIS SHEET ARE PREPARED FOR USE ON THIS PROJECT AS INSTRUMENTS OF SERVICE, AND REMAIN THE PROPERTY OF HAMILTON+AITKEN ARCHITECTS, WHICH RETAINS ALL COMMON LAW, STATUTORY AND RESERVED RIGHTS, INCLUDING 7C19E-117-V-5A-41-C125-11936-07-1-1071-C

ELECTRICAL COVER SHEET

SHEET NUMBER

E0.01

CAD FILE: Unfiled 4
DATE: 11/2/2022 PROJECT NO: 2022.150

STATE OF CALIFORNIA
Electrical Power Distribution
 NRC-ELC-2 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRC-ELC-2
 This document is used to demonstrate compliance with mandatory requirements in §110.5, for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §110.5(a), or §110.5(b) for alterations.

Project Name: PUSD ADMIN REL Report Page: (Page 1 of 5)
 Project Address: 2000 RAILROAD AVE Date Prepared: 12/13/2022

A. GENERAL INFORMATION
 01 Project Location (City) PITTSBURG 02 Occupancy Types Within Project:
 Office Retail Warehouse School Support Area
 Parking Garage High-Rise Residential Healthcare Healthcare Facilities Other (write in) See Table 1

B. PROJECT SCOPE
 This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05
Electrical Service Designation/Description	Scope of Work ¹	Rating (kVA)	Utility Provided Metering System Exception to §110.5(a) 1	System Subject to CA Elec Code Article 167 Exception to §110.5(a)(b)
06 Demand Response Controls	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1, and §130.3 and compliance documents NRC-MCH, NRC-LTI and NRC-LTS will be included when demand response controls are required.			

C. COMPLIANCE RESULTS
 Results in this table are automatically calculated from data input and calculations in Tables F through H. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05
Service Electrical Metering §110.5(a) (See Table F)	Separation for Metering §110.5(a) (See Table F)	Voltage Drop §110.5(c) (See Table H)	Controlled Receptacles §110.5(d) (See Table I)	
Yes	AND Yes	AND Yes	AND Yes	COMPLIES

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
 Registration Date/Time: Report Version: 2019.1.003
 Registration Provider: Energysth
 Scheme Version: rev 20190601 Report Generated: 2022-12-13 12:08:54

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Electrical Power Distribution
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Project Name: PUSD ADMIN REL Report Page: (Page 2 of 5)
 Project Address: 2000 RAILROAD AVE Date Prepared: 12/13/2022

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.

F. SERVICE ELECTRICAL METERING
 This table includes entry new or complete replacement electrical service systems OR equipment to demonstrate compliance with §110.5(a).

01	02	03	04	05
Electrical Service Designation/Description	Rating (kVA)	Instantaneous Demand (kW)	Historical Peak Demand (kW)	Tracking kWh for user-defined period
	0	0	0	0

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
 This table includes entry new or complete replacement electrical power distribution systems to demonstrate compliance with §110.5(a). Any load types that are not included in the service do not need to be shown.

01	02	03	04	05
Load Type per Table 110.5-B.1	Minimum Required Separation of Load per Table 110.5-B	Compliance Method	Location of Requirements in Construction Documents	Field Inspector
				Pass Fail

H. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Additional Remarks: These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/0604200/BundledDocuments/2019_Comppliance_Documents/Nonresidential_Documents/NRC/

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
 Registration Date/Time: Report Version: 2019.1.003
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STATE OF CALIFORNIA
Electrical Power Distribution
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Project Name: PUSD ADMIN REL Report Page: (Page 3 of 5)
 Project Address: 2000 RAILROAD AVE Date Prepared: 12/13/2022

I. VOLTAGE DROP
 This table includes entry new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §110.5(c). For alterations, only the altered circuits must demonstrate compliance per §110.5(c)(2)(3).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Calculation Compliance Method	Location of Voltage Drop Calculation	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
08 Voltage drop less than 5%	Permitted by CA Elec Code Exception to §110.5(c)(2)	Attached		Pass Fail

J. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
 This table includes entry new or complete replacement electrical power distribution systems to demonstrate compliance with §110.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05
Room name or description	Location	Type of Controlled Receptacles	Shut-Off Controls	Field Inspector
			Permanent/Manual Marking Will be Used	Pass Fail

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Additional Remarks: These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/0604200/BundledDocuments/2019_Comppliance_Documents/Nonresidential_Documents/NRC/

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
 Registration Date/Time: Report Version: 2019.1.003
 Registration Provider: Energysth
 Scheme Version: rev 20190601 Report Generated: 2022-12-13 12:08:54

STATE OF CALIFORNIA
Electrical Power Distribution
 NRC-ELC-2 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRC-ELC-2
 This document is used to demonstrate compliance with mandatory requirements in §110.5, for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §110.5(a), or §110.5(b) for alterations.

Project Name: PUSD ADMIN REL Report Page: (Page 4 of 5)
 Project Address: 2000 RAILROAD AVE Date Prepared: 12/13/2022

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Acceptance applicable to electrical power distribution requirements.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
 Registration Date/Time: Report Version: 2019.1.003
 Registration Provider: Energysth
 Scheme Version: rev 20190601 Report Generated: 2022-12-13 12:08:54

STATE OF CALIFORNIA
Indoor Lighting
 NRC-ILC-1 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRC-ILC-1
 This document is used to demonstrate compliance with requirements in §110.5, §110.12(a), §110.12(b), §110.12(c), §110.12(d), §110.12(e), §110.12(f), §110.12(g), §110.12(h), §110.12(i), §110.12(j), §110.12(k), §110.12(l), §110.12(m), §110.12(n), §110.12(o), §110.12(p), §110.12(q), §110.12(r), §110.12(s), §110.12(t), §110.12(u), §110.12(v), §110.12(w), §110.12(x), §110.12(y), §110.12(z), §110.12(aa), §110.12(ab), §110.12(ac), §110.12(ad), §110.12(ae), §110.12(af), §110.12(ag), §110.12(ah), §110.12(ai), §110.12(aj), §110.12(ak), §110.12(al), §110.12(am), §110.12(an), §110.12(ao), §110.12(ap), §110.12(aq), §110.12(ar), §110.12(as), §110.12(at), §110.12(au), §110.12(av), §110.12(aw), §110.12(ax), §110.12(ay), §110.12(az), §110.12(ba), §110.12(bb), §110.12(bc), §110.12(bd), §110.12(be), §110.12(bf), §110.12(bg), §110.12(bh), §110.12(bi), §110.12(bj), §110.12(bk), §110.12(bl), §110.12(bm), §110.12(bn), §110.12(bo), §110.12(bp), §110.12(bq), §110.12(br), §110.12(bs), §110.12(bt), §110.12(bu), 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§110.12(js), §110.12(jt), §110.12(ju), §110.12(jv), §110.12(jw), §110.12(jx), §110.12(jy), §110.12(jz), §110.12(ka), §110.12(kb), §110.12(kc), §110.12(kd), §110.12(ke), §110.12(ke), §110.12(kf), §110.12(kg), §110.12(kh), §110.12(ki), §110.12(kj), §110.12(kk), §110.12(kl), §110.12(km), §110.12(kn), §110.12(ko), §110.12(kp), §110.12(kq), §110.12(kr), §110.12(ks), §110.12(kt), §110.12(ku), §110.12(kv), §110.12(kw), §110.12(kx), §110.12(ky), §110.12(kz), §110.12(la), §110.12(lb), §110.12(lc), §110.12(ld), §110.12(le), §110.12(le), §110.12(lf), §110.12(lg), §110.12(lh), §110.12(li), §110.12(lj), §110.12(lk), §110.12(lm), §110.12(ln), §110.12(lo), §110.12(lp), §110.12(lq), §110.12(lr), §110.12(ls), §110.12(lt), §110.12(lu), §110.12(lv), §110.12(lw), §110.12(lx), §110.12(ly), §110.12(lz), §110.12(ma), §110.12(mb), §110.12(mc), §110.12(md), §110.12(me), §110.12(me), §110.12(mf), §110.12(mg), §110.12(mh), §110.12(mi), §110.12(mj), §110.12(mk), §110.12(ml), §110.12(mn), §110.12(mo), §110.12(mp), §110.12(mq), §110.12(mr), §110.12(ms), §110.12(mt), §110.12(mu), §110.12(mv), §110.12(mw), §110.12(mx), §110.12(my), §110.12(mz), §110.12(na), §110.12(nb), §110.12(nc), §110.12(nd), §110.12(ne), §110.12(ne), §110.12(nf), §110.12(ng), §110.12(nh), §110.12(ni), §110.12(nj), §110.12(nk), §110.12(nl), §110.12(nm), §110.12(nn), §110.12(no), §110.12(np), §110.12(nq), §110.12(nr), §110.12(ns), §110.12(nt), §110.12(nu), §110.12(nv), §110.12(nw), §110.12(nx), §110.12(ny), §110.12(nz), §110.12(oa), §110.12(ob), §110.12(oc), §110.12(od), §110.12(oe), §110.12(oe), §110.12(of), §110.12(og), §110.12(oh), §110.12(oi), §110.12(oj), §110.12(ok), §110.12(ol), §110.12(om), §110.12(on), §110.12(oo), §110.12(op), §110.12(oq), §110.12(or), §110.12(os), §110.12(ot), §110.12(ou), §110.12(ov), §110.12(ow), §110.12(ox), §110.12(oy), §110.12(oz), §110.12(pa), §110.12(pb), §110.12(pc), §110.12(pd), §110.12(pe), §110.12(pe), §110.12(pf), §110.12(pg), §110.12(ph), §110.12(pi), §110.12(pj), §110.12(pk), §110.12(pl), §110.12(pm), §110.12(pn), §110.12(po), §110.12(pp), §110.12(pq), §110.12(pr), §110.12(ps), §110.12(pt), §110.12(pu), §110.12(pv), §110.12(pw), §110.12(px), §110.12(py), §110.12(pz), §110.12(qa), §110.12(qb), §110.12(qc), §110.12(qd), §110.12(qe), §110.12(qe), §110.12(qf), §110.12(qg), §110.12(qh), §110.12(qi), §110.12(qj), §110.12(qk), §110.12(ql), §110.12(qm), §110.12(qn), §110.12(qo), §110.12(qp), §110.12(qq), §110.12(qr), §110.12(qs), §110.12(qt), §110.12(qu), §110.12(qv), §110.12(qw), §110.12(qx), §110.12(qy), §110.12(qz), §110.12(ra), §110.12(rb), §110.12(rc), §110.12(rd), §110.12(re), §110.12(re), §110.12(rf), §110.12(rg), §110.12(rh), §110.12(ri), §110.12(rj), §110.12(rk), §110.12(rl), §110.12(rm), §110.12(rn), §110.12(ro), §110.12(rp), §110.12(rq), §110.12(rr), §110.12(rs), §110.12(rt), §110.12(ru), §110.12(rv), §110.12(rw), §110.12(rx), §110.12(ry), §110.12(rz), §110.12(sa), §110.12(sb), §110.12(sc), §110.12(sd), §110.12(se), §110.12(se), §110.12(sf), §110.12(sg), §110.12(sh), §110.12(si), §110.12(sj), §110.12(sk), §110.12(sl), §110.12(sm), §110.12(sn), §110.12(so), §110.12(sp), §110.12(sq), §110.12(sr), §110.12(ss), §110.12(st), §110.12(su), §110.12(sv), §110.12(sw), §110.12(sx), §110.12(sy), §110.12(sz), §110.12(ta), §110.12(tb), §110.12(tc), §110.12(td), §110.12(te), §110.12(te), §110.12(tf), §110.12(tg), §110.12(th), §110.12(ti), §110.12(tj), §110.12(tk), §110.12(tl), §110.12(tm), §110.12(tn), §110.12(to), §110.12(tp), §110.12(tq), §110.12(tr), §110.12(ts), §110.12(tu), §110.12(tv), §110.12(tw), §110.12(tx), §110.12(ty), §110.12(tz), §110.12(ua), §110.12(ub), §110.12(uc), §110.12(ud), §110.12(ue), §110.12(ue), §110.12(uf), §110.12(ug), §110.12(uh), §110.12(ui), §110.12(uj), §110.12(uk), §110.12(ul), §110.12(um), §110.12(un), §110.12(oo), §110.12(oo), §110.12(ou), §110.12(ov), §110.12(ow), §110.12(ox), §110.12(oy), §110.12(oz), §110.12(va), §110.12(vb), §110.12(vc), §110.12(vd), §110.12(ve), §110.12(ve), §110.12(vf), §110.12(vg), §110.12(vh), §110.12(vi), §110.12(vj), §110.12(vk), §110.12(vl), §110.12(vm), §110.12(vn), §110.12(vo), §110.12(vp), §110.12(vq), §110.12(vr), §110.12(vs), §110.12(vt), §110.12(vu), §110.12(vv), §110.12(vw), §110.12(vx), §110.12(vy), §110.12(vz), §110.12(wa), §110.12(wb), §110.12(wc), §110.12(wd), §110.12(we), §110.12(we), §110.12(wf), §110.12(wh), §110.12(wi), §110.12(wj), §110.12(wk), §110.12(wl), §110.12(wm), §110.12(wn), §110.12(wo), §110.12(wp), §110.12(wq), §110.12(wr), §110.12(ws), §110.12(wt), §110.12(wu), §110.12(wv), §110.12(ww), §110.12(wx), §110.12(wy), §110.12(wz), §110.12(xa), §110.12(xb), §110.12(xc), §110.12(xd), §110.12(xe), §110.12(xe), §110.12(xf), §110.12(xg), §110.12(xh), §110.12(xi), §110.12(xj), §110.12(xk), §110.12(xl), §110.12(xm), §110.12(xn), §110.12(xo), §110.12(xp), §110.12(xq), §110.12(xr), §110.12(xs), §110.12(xt), §110.12(xu), §110.12(xv), §110.12(xw), §110.12(xy), §110.12(xz), §110.12(ya), §110.12(yb), §110.12(yc), §110.12(yd), §110.12(ye), §110.12(ye), §110.12(yf), §110.12(yg), §110.12(yh), §110.12(yi), §110.12(yj), §110.12(yk), §110.12(yl), §110.12(ym), §110.12(yn), §110.12(yo), §110.12(yp), §110.12(yq), §110.12(yr), §110.12(ys), §110.12(yt), §110.12(yu), §110.12(yv), §110.12(yw), §110.12(yx), §110.12(yz), §110.12(za), §110.12(zb), §110.12(zc), §110.12(zd), §110.12(ze), §110.12(ze), §110.12(zf), §110.12(zg), §110.12(zh), §110.12(zi), §110.12(zj), §110.12(zk), §110.12(zl), §110.12(zm), §110.12(zn), §110.12(zo), §110.12(zp), §110.12(zq), §110.12(zr), §110.12(zs), §110.12(zt), §110.12(zu), §110.12(zv), §110.12(zw), §110.12(zx), §110.12(zy), §110.12(zz)

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
 Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §110.12(a)	Multi-Level Controls §110.12(b)	Shut-Off Controls §110.12(c)	Primary/Sky Light Dimming §110.12(d)	Secondary Daylighting §110.12(e)	Interlocked Systems §110.12(f)	Field Inspector
Basement	School Building	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	Pass Fail
Level 1	School Building	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	Pass Fail
Level 2	School Building	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	Pass Fail
Level 3	School Building	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	Pass Fail

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
 Section 110.12(a) through 110.12(f) are included in this table. Column 06 indicates if additional lighting power allowances per §110.12(g) or adjustments per §110.12(h) are being used.

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
Whole Building	School Building	0.66	1,450	942.5	No
TOTALS		1,450	942.5		

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
 Registration Date/Time: Report Version: 2019.1.003
 Registration Provider: Energysth
 Scheme Version: rev 20190601 Report Generated: 2022-12-13 12:08:54

STATE OF CALIFORNIA
Indoor Lighting
 NRC-ILC-1 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRC-ILC-1
 This document is used to demonstrate compliance with requirements in §110.5, §110.12(a), §110.12(b), §110.12(c), §110.12(d), §110.12(e), §110.12(f), §110.12(g), §110.12(h), §110.12(i), §110.12(j), §110.12(k), §110.12(l), §110.12(m), §110.12(n), §110.12(o), §110.12(p), §110.12(q), §110.12(r), §110.12(s), §110.12(t), §110.12(u), §110.12(v), §110.12(w), §110.12(x), §110.12(y), §110.12(z), §110.12(aa), §110.12(ab), §110.12(ac), §110.12(ad), §110.12(ae), §110.12(af), §110.12(ag), §110.12(ah), §110.12(ai), §110.12(aj), §110.12(ak), §110.12(al), §110.12(am), §110.12(an), §110.12(ao), §110.12(ap), §110.12(aq), §110.12(ar), §110.12(as), §110.12(at), §110.12(au), §110.12(av), §110.12(aw), §110.12(ax), §110.12(ay), §110.12(az), §110.12(ba), §110.12(bb), §110.12(bc), §110.12(bd), §110.12(be), §110.12(be), §110.12(bf), §110.12(bg), §110.12(bh), §110.12(bi), §110.12(bj), §110.12(bk), §110.12(bl), §110.12(bm), §110.12(bn), §110.12(bo), §110.12(bp), §110.12(bq), §110.12(br), §110.12(bs), §110.12(bt), §110.12(bu), §110.12(bv), §110.12(bw), §110.12(bx), §110.12(by), §110.12(bz), §110.12(ca), §110.12(cb), §110.12(cc), §110.12(cd), §110.12(ce), §110.12(ce), §110.12(cf), §110.12(cg), §110.12(ch), §110.12(ci), §110.12(cj), §110.12(ck), §110.12(cl), §110.12(cm), §110.12(cn), §110.12(co), §110.12(cp), §110.12(cq), §110.12(cr), §110.12(cs), §110.12(ct), §110.12(cu), §110.12(cv), §110.12(cw), §110.12(cx), §110.12(cy), §110.12(cz), §110.12(da), §110.12(db), §110.12(dc), §110.12(dd), §110.12(de), §110.12(de), §110.12(df), §110.12(dg), §110.12(dh), §110.12(di), §110.12(dj), §110.12(dk), §110.12(dl), §110.12(dm), §110.12(dn), §110.12(do), §110.12(dp), §110.12(dq), §110.12(dr), §110.12(ds), §110.12(dt), §110.12(du), §110.12(dv), §110.12(dw), §110.12(dx), §110.12(dy), §110.12(dz), §110.12(ea), §110.12(eb), §110.12(ec), §110.12(ed), §110.12(ee), §110.12(ee), §110.12(ef), §110.12(eg), §110.12(eh), §110.12(ei), §110.12(ej), §110.12(ek), §110.12(el), §110.12(em), §110.12(en), §110.12(e

GENERAL NOTES

- 1. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE SPECIFICATIONS AND STANDARD, THE LATEST RULES AND REGULATIONS OF THE SAFETY ORDERS ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
2. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS, VISIT CONSTRUCTION SITE AND ATTEND THE PRE-BID MEETING TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANYWAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
3. FIELD VERIFY TO CONFIRM ALL FIRE RATED CEILING AND WALLS. PROVIDE FIRE STOP SEALS PER UNIFORM BUILDING CODE FOR CONDUIT PENETRATION THROUGH FIRE RATED FLOORS, WALLS AND CEILING.
4. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES AND BEAR THEIR LABEL.
5. CONDUIT ROUTING SHOWN IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES. ALL EXPOSED CONDUIT, BOXES, FITTINGS, SUPPORT, ETC. SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
6. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL AND OTHER DRAWINGS RELATED TO THIS PROJECT FOR ADDITIONAL WORK TO BE PROVIDED.
7. THE OWNER RETAINS FIRST SALVAGE RIGHTS TO ALL EXISTING EQUIPMENT REMOVED UNDER THIS CONTRACT. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE OWNER FOR DISPOSITION OF THE EXISTING EQUIPMENT TO BE REMOVED BY HIM. THE CONTRACTOR SHALL INCLUDE IN HIS BID PROPOSAL ALL COSTS RELATED TO THE DISPOSAL OF EXISTING EQUIPMENT REMOVED UNDER THIS CONTRACT.
8. ANY POWER SHUTDOWN SHALL BE COORDINATED WITH SCHOOL DISTRICT CONSTRUCTION COORDINATOR. A SHUTDOWN SCHEDULE SHALL BE PRESENTED TO SCHOOL DISTRICT FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN SHALL BE PERFORMED IN OVERTIME HOURS IF SO DIRECTED BY SCHOOL DISTRICT.
9. DEMOLITION WORK SHALL BE PROVIDED AS REQUIRED TO ACCOMPLISH NEW WORK CALLED FOR AND AS NOTED. WORK SHALL BE PERFORMED CAREFULLY TO AVOID DAMAGE TO SURFACES, STRUCTURES, AND EQUIPMENT NOT BEING REMOVED. EXISTING EQUIPMENT AND/OR ELECTRICAL WIRING WHICH IS TO REMAIN, BUT HAS BEEN REMOVED TO FACILITATE THE INSTALLATION OF THE NEW EQUIPMENT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION.
10. BLANK COVERS SHALL BE INSTALLED WHEREVER DEVICE IS REMOVED AND OUTLET BOX REMAINS IN PLACE.
11. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUCTORS SHALL BE 12 AWG THWN STRANDED COPPER ONL.Y.
12. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4".
13. GREEN INSULATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUIT WIRING.
14. PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE SELF-ADHESIVE PHENOLIC TYPE AND WHITE LETTER ON BLACK BACKGROUND, PROVIDE BRADY OR DYMO TYPE LABELS (CIRCUIT IDENTIFICATION) FOR ALL SWITCHES AND RECEPTACLES.
15. THE CONTRACTOR SHALL PROVIDE TYPEWRITTEN DIRECTORIES FOR ALL ELECTRICAL PANELS INVOLVED IN THIS PROJECT. THE PANEL DIRECTORIES SHALL REFLECT THE AS-BUILT CIRCUITS, ONE COPY OF THE SCHEDULE SHALL BE TAPED TO THE INSIDE OF THE PANEL DOOR, AND ONE COPY SHALL BE SUBMITTED TO THE ENGINEER AS AN "AS-BUILT" DRAWING.
16. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A SEISMIC FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
a. THE TOTAL DESIGN LATERAL SEISMIC FORCE SHALL BE DETERMINED FROM SECTION 1632A.2 CALIFORNIA BUILDING CODE (CBC) 2001. FORCES SHALL BE APPLIED IN THE HORIZONTAL DIRECTIONS, WHICH RESULT IN THE MOST CRITICAL LOADING FOR DESIGN.
b. THE VALUE OF A0 (COMPONENT AMPLIFICATION FACTOR) AND R0 (COMPONENT RESPONSE MODIFICATION FACTOR) OF SECTION 1632A.2 SHALL BE SELECTED FROM TABLE 16A-0, CBC 2001. THE VALUE OF I0 (SEISMIC IMPORTANCE FACTOR) AND C0 (SEISMIC COEFFICIENT) SHALL BE SELECTED FROM TABLE 16A-K AND 16A-Q, CBC 2001, RESPECTIVELY.
WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
17. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. THE DRAWINGS SHOWING LOCATION OF EQUIPMENT IN EXISTING AREAS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONCEAL ALL WORK, IF THIS NOT POSSIBLE, SURFACE RACEWAY SUCH AS WIREMOLD SHALL BE USED ONLY WITH THE APPROVAL OF THE ARCHITECT AND OWNER.
18. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING PAINTING AND/OR OTHER REPAIRS DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED. THIS SHALL INCLUDE ALL WALLS, CEILING, ROOFS, PAVEMENT, PLANTERS, ETC.
19. OUTLETS MOUNTED ON WALL BACK TO BACK SHALL MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF 24" OR BE SEPARATED BY A STUD.
20. WHERE SURFACE WIRING IS CALLED FOR IN A FINISHED AREA, SURFACE TYPE RACEWAY SYSTEM SHALL BE INSTALLED COMPLETE WITH ALL PROPER FITTINGS, ADAPTERS, OUTLETS, DEVICES, COVERS, END CAPS, ETC. AS MANUFACTURED BY WIREMOLD OR AN APPROVED EQUAL AND SHALL BE PAINTED TO MATCH COLOR OF ADJACENT WALL OR CEILING. ALL EXPOSED CONDUITS, BOXES AND CABINETS SHALL ALSO BE PAINTED TO MATCH COLOR OF ADJACENT WALL OR CEILING.
21. THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, AN UP TO DATE "AS BUILT" DRAWING SET. THE "AS BUILT" DRAWING SET SHALL REFLECT ALL APPROVED CHANGES TO THE DESIGN DRAWINGS. THE "AS BUILT" DRAWING SET SHALL BE KEPT CLEAN AND IN GOOD CONDITION AND SHALL BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE UPDATED DAILY AND BE CHECKED WEEKLY BY IOR. THE PROGRESS PAYMENT IS TIED TO THEIR COMPLETION.
22. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST TO DEMONSTRATE TO THE OWNER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED. ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR WORK SHALL CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.
23. PROVIDE ACCESSIBLE PANEL FOR HEAT DETECTOR ABOVE CEILING WHERE REQUIRED.

FIRE ALARM LEGEND

WIRING

Table with 2 columns: SYMBOL and DESCRIPTION. Includes symbols for wiring concealed in ceiling or wall, wiring concealed in floor or under grade, wiring exposed, medium voltage conduit, grounding grid, low voltage cable in conduit, strokes indicating quantity of #12 AWG conductors, ground and hot/neutral symbols, home run wiring, conduit run turned up/down, stubbed out, raceway, junction boxes, wiring extension points, pull boxes, flexible conduit, power connections, low voltage system ground, ground rod connections, and lightning system air terminals.

APPLICABLE CODES

- 1. 2019 CALIFORNIA DESIGN LATERAL SEISMIC FORCE ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
2. 2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2 (PART 2, TITLE 24, CCR)
3. 2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
4. 2019 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
5. 2019 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
6. 2019 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
7. 2013 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)
8. 2019 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
9. 2019 CALIFORNIA REFERENCE STANDARDS CODE (PART 12, TITLE 24, CCR)
10. NFPA 13, 2016 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
11. NFPA 14, 2013 EDITION, THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS
12. NFPA 24, 2016 EDITION, THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
13. NFPA 72, 2016 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

FIRE ALARM SYSTEM

Table with 2 columns: SYMBOL and DESCRIPTION. Includes symbols for fire alarm control panel, fire alarm system manual pull station, strobe light, combination speaker/strobe, weather proof speaker, smoke detector below platform, heat detector, addressable isolate module, end of line resistor, and key note reference.

FIRE ALARM SCOPE OF WORK

THE INTENT OF THIS PROJECT IS TO PROVIDE A COMPLETE FIRE ALARM EVAC SYSTEM FOR ADMINISTRATIVE CENTER

FIRE ALARM SYSTEM GENERAL NOTE

THE FIRE DETECTION AND ALARM SYSTEM, UPON ACTIVATION OF AN INITIATING DEVICE, SHALL ALERT ALL OCCUPANTS AND SHALL TRANSMIT THE ALARM SIGNAL TO AN APPROVED SUPERVISING CENTRAL MONITORING STATION IN ACCORDANCE WITH THE REQUIREMENTS OF SENATE BILL No. 575.

SCOPE OF INFRASTRUCTURE WORK

DIVISION 16 CONTRACTOR SHALL PROVIDE ALL CONDUITS, BOXES, AND SUPPORTS FOR WORK SHOWN IN DIVISION 16 AND 17 DOCUMENTS. COORDINATE INFRASTRUCTURE INSTALLATION WITH DIVISION 17 CONTRACTOR AND PROVIDE PULLROPE IN ALL CONDUITS INSTALLED FOR DIVISION 17 WORK.

FIRE ALARM SYSTEM NOTES

- 1. ALL WIRING SHALL BE IN CONDUIT, U.O.N. MINIMUM CONDUIT SIZE SHALL BE 3/4".
2. PROVIDE AND INSTALL ALL CONDUIT, BOXES, CONDUCTORS, POWER SUPPLY, RELAYS, ZONE MODULES, CARDS, SWITCHES ETC. FOR A COMPLETE AND OPERABLE FIRE ALARM SYSTEM.
3. ALL REQUIREMENT OF CONTRACT SPECIFICATIONS AND DRAWING APPLY.
4. INSTALLATION SHALL CONFORM TO REQUIREMENTS OF APPLICABLE ELECTRICAL CODES.
5. TEE-TAP INSIDE BUILDING IN JUNCTION BOX. USE TERMINAL BLOCKS.
6. FIRE ALARM FIELD WIRING SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
7. 120VAC 60Hz INPUT POWER FOR FIRE ALARM CONTROLS SHALL BE A DEDICATED, LOCKING BREAKER PROPERLY LABELED "SOURCE FROM LINE OF MAIN DISCONNECT" OR "EMERGENCY POWER".
8. ALL WIRING INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
9. 120VAC IS NOT PERMITTED IN SAME CONDUIT WITH LOW VOLTAGE WIRING.
10. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY-TRAINED FIRE ALARM TECHNICAL REPRESENTATIVE.
11. THERE WILL BE NO CONDUIT ENTRY ALLOWED 18" OR LOWER ON THE SIDE PANELS OR THROUGH THE BOTTOM OF ALL CONTROL EQUIPMENT BACKBOXES.
12. ALL VISUAL ALARM IN EVERY ROOMS OR EXTERIOR WHERE OCCUR SHALL BE SYNCHRONIZED.
13. VISUAL DEVICE SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE THAT MEETS NFPA STROBE INTENSITY REQUIREMENTS WHICH VARIES WITH VIEWING CONDITIONS AND ROOM SIZES.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER-TIGHT FITTINGS AND WIRES TO BE APPROVED FOR WET LOCATIONS.
15. AUDIBLE DEVICE(S) TO BE AT LEAST 15dBA ABOVE THE EQUIVALENT SOUND LEVEL BUT NOT LESS THAN 75dBA AT 10' OR MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE.
16. AUDIBLE DEVICE SHALL SOUND THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL.
17. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATA AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
18. FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETED AND SIGNED "CERTIFICATE OF COMPLETION" AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS. (NFPA 72 SEC. 1.6.2.1 & FIG. 1.6.2.1).
19. PROVIDE TEMPORAL THREE DISTINCTIVE FIRE ALARM SOUND (CFC SEC. 1007.3.3.3.2, NFPA 72 SEC. 3-7.2)
20. POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL" NFPA SEC 1-5.2.8.2.
21. WIRING AND MATERIALS SHALL BE PER CEC/NEC ART. 760.

ABBREVIATIONS

Table with 2 columns: SYMBOL and DESCRIPTION. Lists abbreviations for existing to remain, future, existing to be removed, amperes, fuse, switch, circuit breaker, wire gauge, end of line, fire alarm, annunciator, ground, key operated, maximum/minimum, mounted/motor, national electrical code, panel positive, remote signal expander, typical, unless otherwise noted, watt/with/without, and weatherproof.

FIRE ALARM DRAWING LIST

Table with 2 columns: FA0.01 FIRE ALARM COVER SHEET, FA1.00 FIRE ALARM SITE PLAN, FA2.00 FIRE ALARM PLAN, FA3.00 FIRE ALARM RISER DIAGRAM, VOLTAGE DROP AND BATTERY CALCULATIONS, FA3.01 FIRE ALARM DETAILS

FIRE ALARM EQUIPMENT LIST

Table with 5 columns: MANUFACTURER, MODEL, DESCRIPTION, CSFM NUMBER. Lists equipment including Fire Lite, Wheelock, and Telguard models with their respective descriptions and quantities.

FIRE ALARM WIRING LEGEND

Table with 3 columns: SYMBOL, WIRE TYPE, USED ON. Defines symbols for addressable alarm, audio/visual from RSB or FACP, speaker wire, and fire alarm FACP network.

NOTE: ALL EXTERIOR CABLE SHALL BE WET RATE

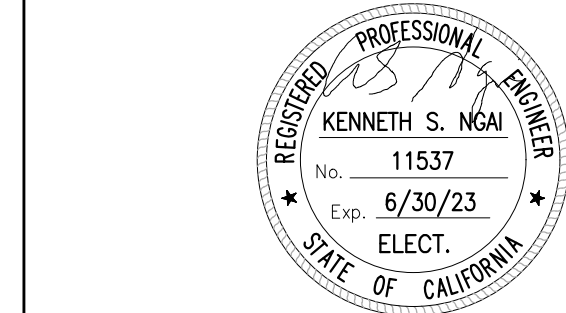
PUSD - ADMINISTRATIVE CENTER

2000 RAILROAD AVENUE PITTSBURG, CA

PITTSBURG UNIFIED SCHOOL DISTRICT

2000 RAILROAD AVENUE PITTSBURG, CA 94565

HAMILTON + AITKEN ARCHITECTS logo and contact information: 525 BRANNAN STREET STE 400 SAN FRANCISCO, CA 94107, T: 415 974 5930, www.HAarch.com



Alliance Engineering Consultants, Inc. logo and contact information: 4701 Parkview Drive, Suite 10, Santa Clara, CA 95054, phone (408) 970-8888, fax (408) 970-8316, PROJECT NO: 115-22-04, www.aec-engineers.com

Table with 3 columns: NO., ISSUED FOR, DATE. Lists revision history for Building Layout, Bid Documents, and Reb Bid.

APPROVALS

THE DRAWING, DESIGN AND INFORMATION CONTAINED ON THIS SHEET ARE PREPARED FOR USE ON THIS PROJECT AS INSTRUMENTS OF SERVICE AND REMAIN THE PROPERTY OF HAMILTON+AITKEN ARCHITECTS, WHICH RETAINS ALL COMMON LAW, STATUTORY AND RESERVED RIGHTS, INCLUDING COPYRIGHT. © HAMILTON+AITKEN ARCHITECTS.

KEY PLAN

DRAWING TITLE

FIRE ALARM COVER SHEET

SHEET NUMBER

FA0.01

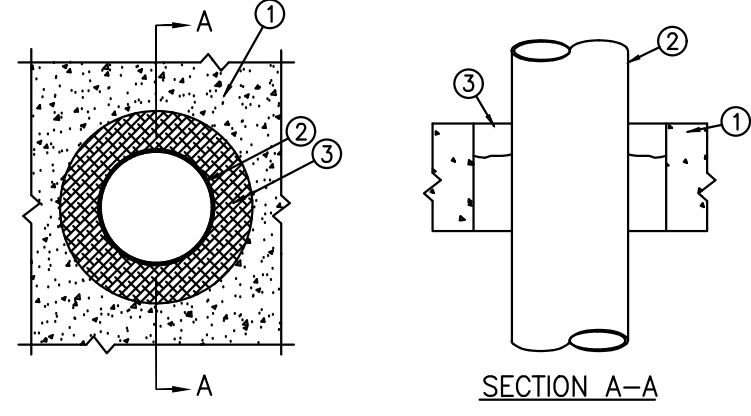
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DATE 11/2/2022

PROJECT NO. 2022.150

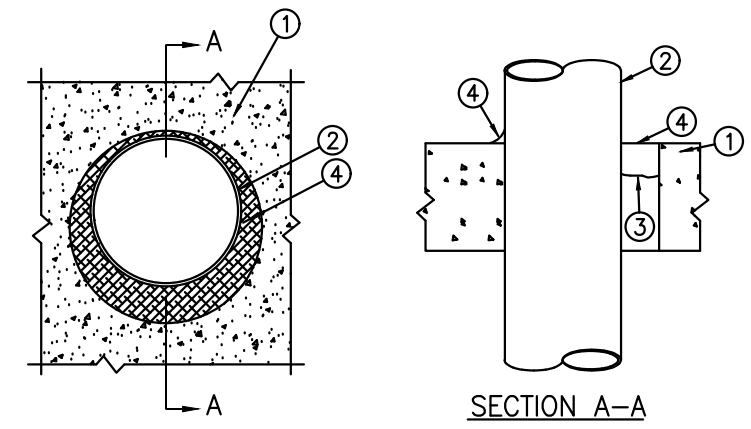
THROUGH-PENETRATION FIRESTOP SYSTEM DETAILS

SYSTEM NO. C-AJ-1027
(Formerly System No. 202)
F RATING - 3 HOUR
T RATING - 0 HOUR



- FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. THICK LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX THROUGH OPENING SIZE IS 12.4 SQ. IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- PIPE OR CONDUIT - NOM. 10 IN. DIA. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 6 IN. DIA. (OR SMALLER) RIGID STEEL CONDUIT, NOM 4 IN. DIA. (OR SMALLER) STEEL EMT OR NOM 3 IN. DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER PIPE. MAX ONE PIPE OR CONDUIT PER THROUGH OPENING. MAX ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF OPENING IS 3/4 IN. MIN ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF OPENING IS 0 IN. (POINT CONTACT). PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
- FILL VOID OR CAVITY MATERIALS - PUTTY-MOLDABLE PUTTY MATERIAL KNEADED BY HAND AND APPLIED TO FILL ANNULAR SPACE TO A MIN DEPTH OF 1 IN. FLUSH WITH TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, REQUIRED PUTTY THICKNESS TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL.

SYSTEM NO. CAJ1044
(Formerly System No. 319)
T RATING - 0 HR
L RATING AT AMBIENT - 2 CFM/SQ FT (SEE ITEM 4)
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT (SEE ITEM 4)

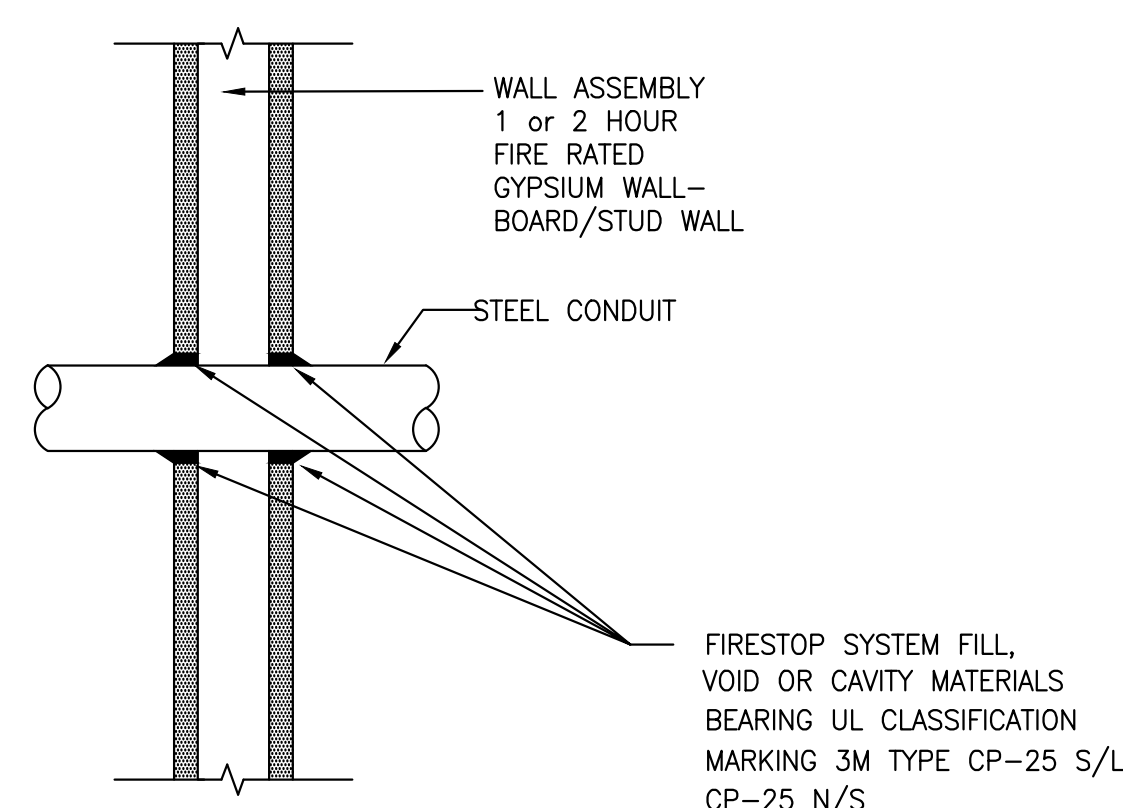


- FLOOR WALL ASSEMBLY-LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE, EXCEPT AS NOTED IN TABLE UNDER ITEM 4, MIN THICKNESS OF SOLID CONCRETE FLOOR OR WALL ASSEMBLY IS 4-1/2 IN. FLOOR MAY ALSO BE CONSTRUCTED OF ANY MIN 6 IN. THICK UL CLASSIFIED HOLLOW-CORE, PRECAST CONCRETE UNITS. WHEN FLOOR IS CONSTRUCTED OF HOLLOW-CORE PRECAST CONCRETE UNITS, PACKING MATERIALS (ITEM 3) AND CAULK FILL MATERIAL (ITEM 4) TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF THE FLOOR, FLUSH WITH FLOOR SURFACE. WALL ASSEMBLY MAY ALSO BE CONSTRUCTED OF CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPENING IS 32 IN. SEE CONCRETE BLOCKS (CAZT) AND PRECAST CONCRETE UNITS (CFTV) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURER
- STEEL SLEEVE - (OPTIONAL NOT SHOWN) NOM 16 IN. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 2 IN. ABOVE TOP FLOOR OR BEYOND EITHER SURFACE OF WALL.
- PIPE OR CONDUIT - NOM 30 IN. DIA. (OR SMALLER) CAST IRON OR SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 6 IN. DIA. (OR SMALLER) STEEL CONDUIT, NOM 3 IN. DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE OR NOM 4 IN. DIA. (OR SMALLER) STEEL ELECTRICAL METALIC TUBING. MAX ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING NOT TO EXCEED 2 IN. MIN ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS 0 IN. (POINT CONTACT). PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDE OF FLOOR OR WALL ASSEMBLY.
- PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4).
- FILL VOID OR CAVITY MATERIAL - CAULK - APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, REQUIRED CAULK THICKNESS TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL, FLUSH WITH WALL SURFACE. THE HOURLY F RATING AND THE MIN REQUIRED CAULK THICKNESS ARE DEPENDENT UPON A NUMBER OF PARAMETERS, AS SHOWN ON THE FOLLOWING TABLE.

MIN FLOOR OR WALL THKNS, IN	NOM PIPE TUBE OR CONDUIT DIA, IN	MAX ANNULAR SPACE, IN	MAX CAULK THKNS, IN	F RATING, HR
2-1/2	1/2-12	1-3/8	1/2	2
2-1/2	1/2-12	2-7/8	1	2
4-1/2	1/2-6	1-3/8	1/4(a)	2
4-1/2	1/2-12	1-1/4	1/2	3
4-1/2	1/2-20	2	2	3
4-1/2	22-30	2	2	3
5-1/2	1/2-6	1-3/8	1(b)	4

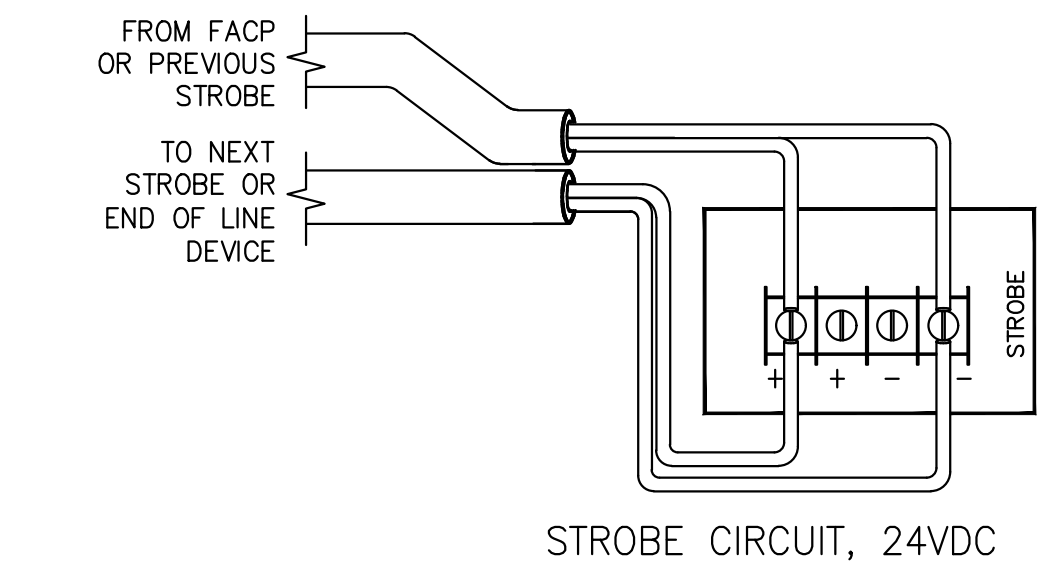
(a) MIN 2 IN THICKNESS OF MINERAL-WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE.
(b) MIN 1 IN. THICKNESS OF MINERAL-WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. MIN 1 IN. THICKNESS OF CAULK TO BE INSTALLED FLUSH WITH EACH SURFACE OF FLOOR OR WALL ASSEMBLY.

SYSTEM NO. WL1001
(Formerly System No. 147)
F RATING - 1 & 2 HOUR
T RATING - 0, 1, 1-1/2 & 2 HOUR

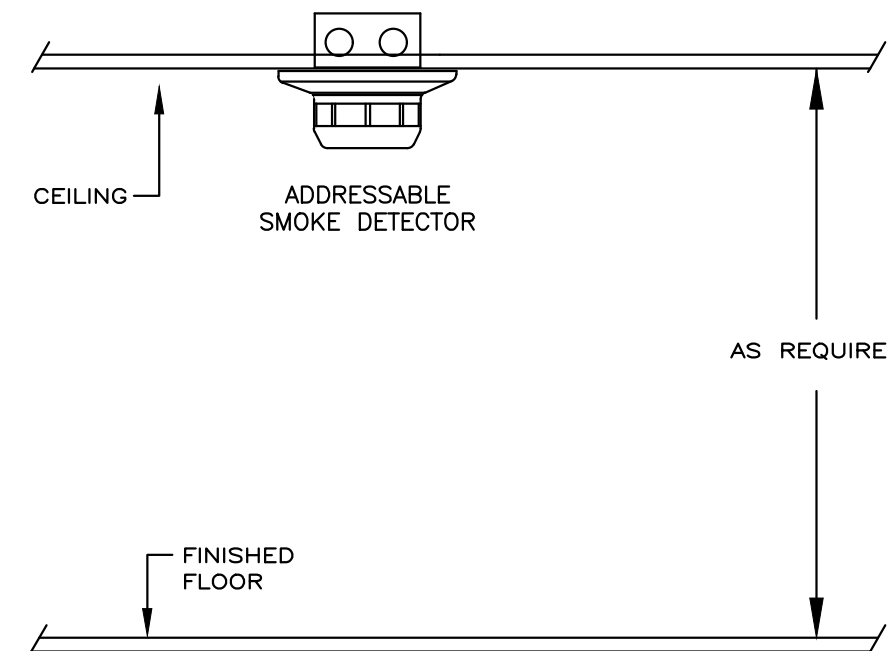


- SEAL ALL PENETRATIONS IN ACCORDANCE WITH APPLICABLE CODES TO PRESERVE ORIGINAL FIRE HOUR RESISTANCE OF WALLS, FLOORS OR CEILINGS. USE UL DIRECTORY ASSEMBLY NOS. 49 & 328, AS APPLICABLE FOR ALL FIRE WALL PENETRATIONS.
- AT FIRE SEPARATION WALLS, WRAP CONDUIT WITH 3M CONDUIT WRAP F3-195 TO WITHIN 1/4" OF OPENING; FILL THE GAP AND COVER EDGE OF WRAP WITH 3M-CP25 CAULK AND/OR #303 PUTTY.

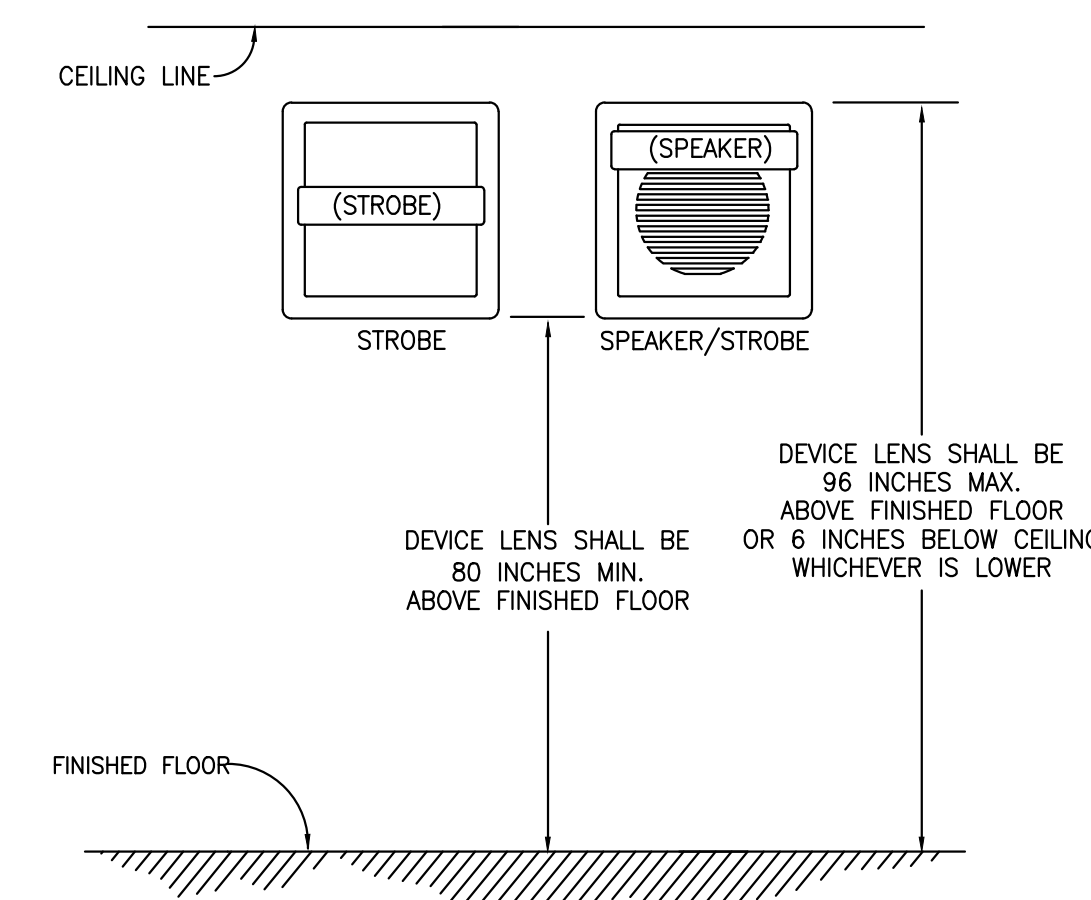
FIRE ALARM DEVICES DETAILS



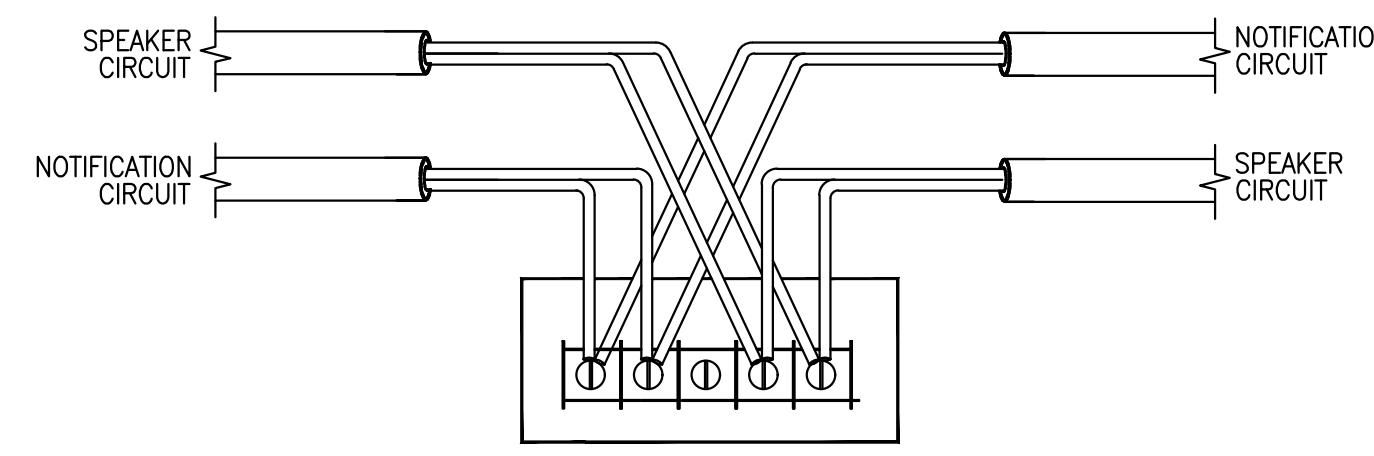
NOTE:
1. STROBE CIRCUIT COMING FROM THE NAC USE: 24K, 1/2 WATT END OF LINE DEVICE.



DETECTORS MOUNTING DETAIL

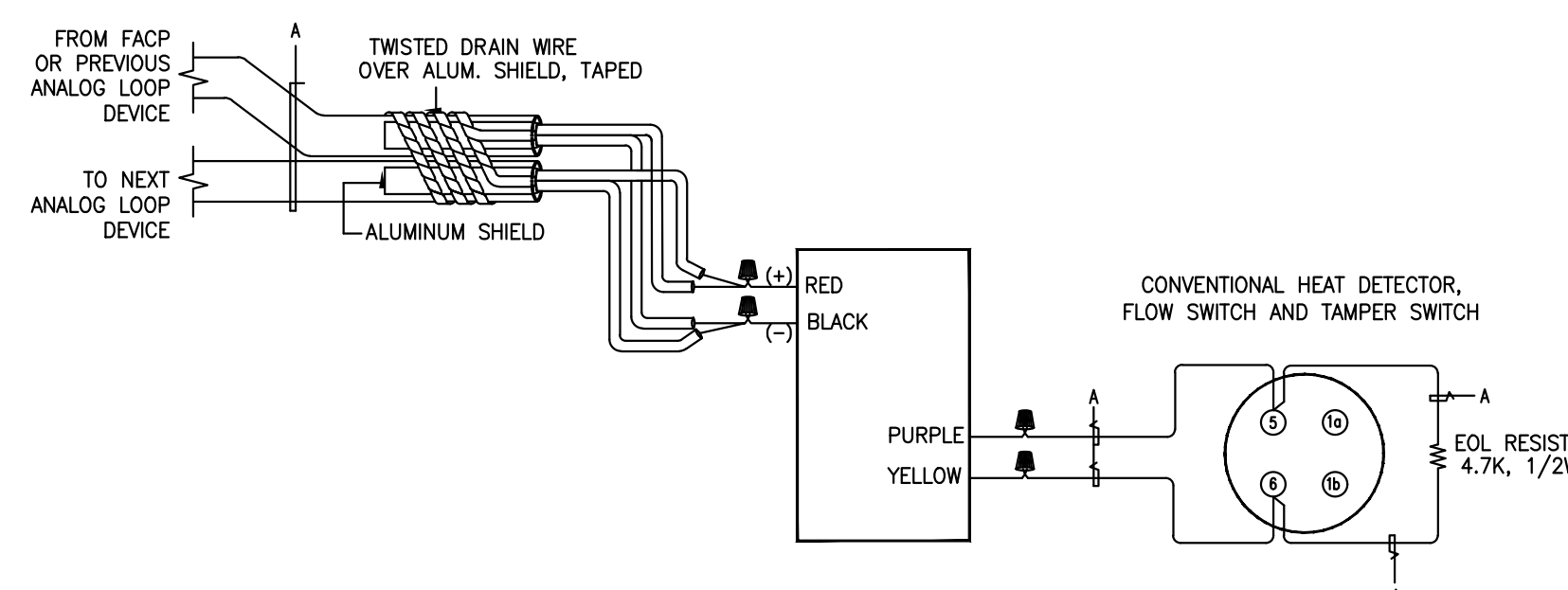


TYPICAL MOUNTING ELEVATION DETAIL OF STROBE & SPEAKER/STROBE

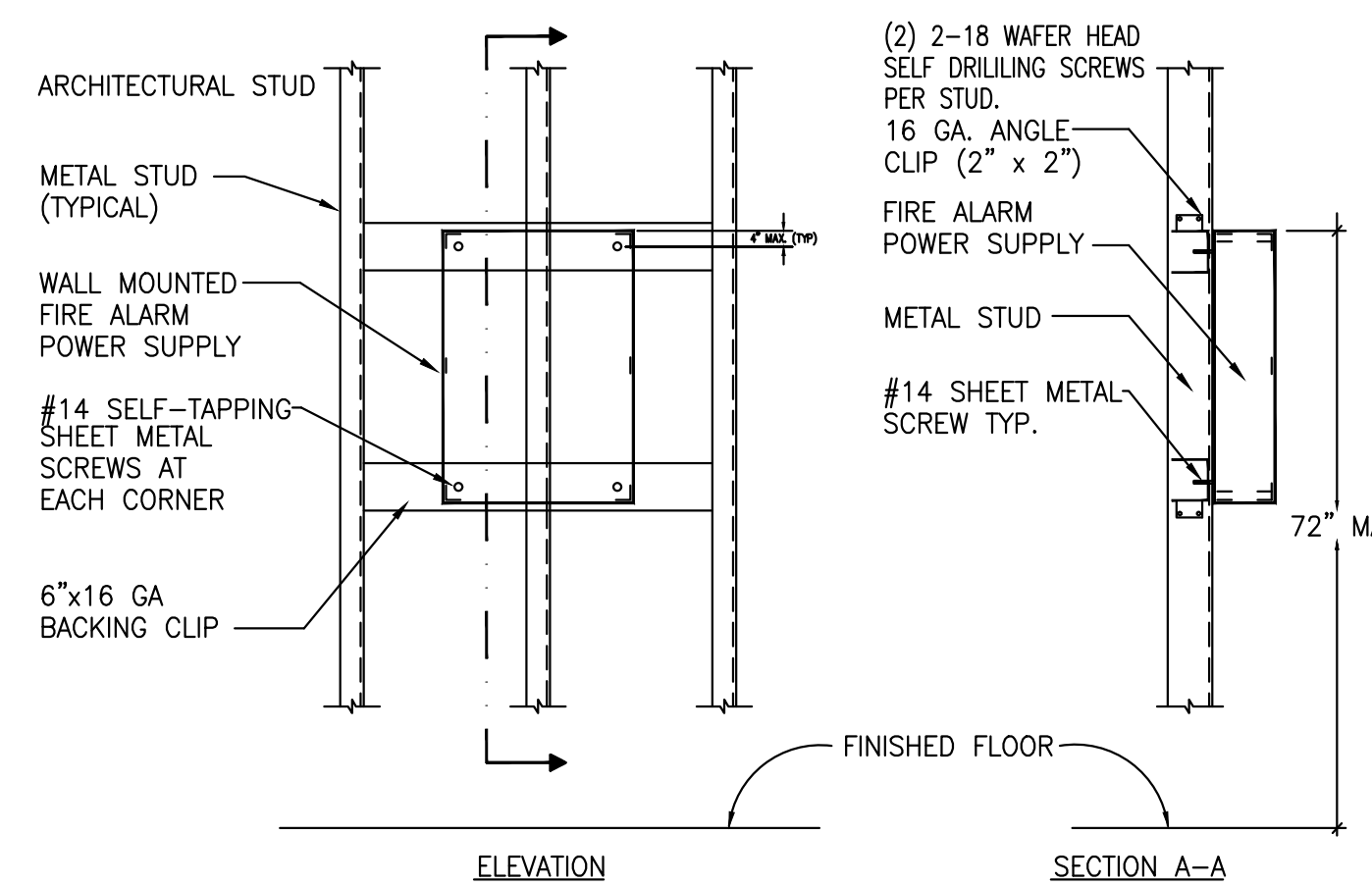


SPEAKER/STROBE CIRCUIT, 24 VDC

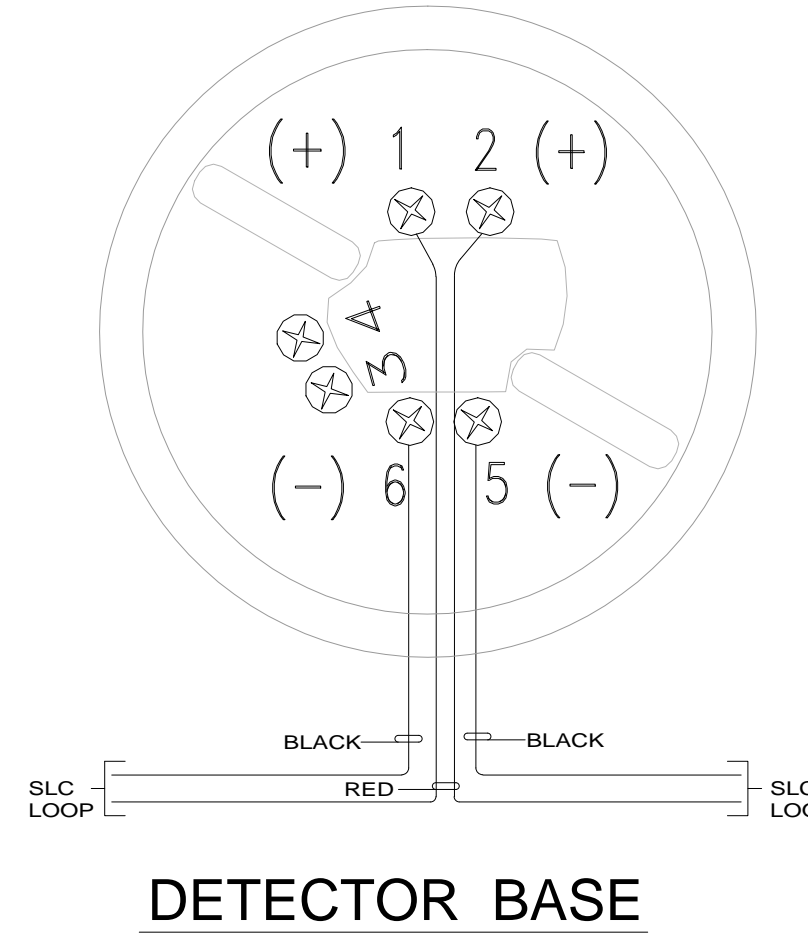
MONITOR MODULE FOR FLOW SWITCH AND TAMPER SWITCH



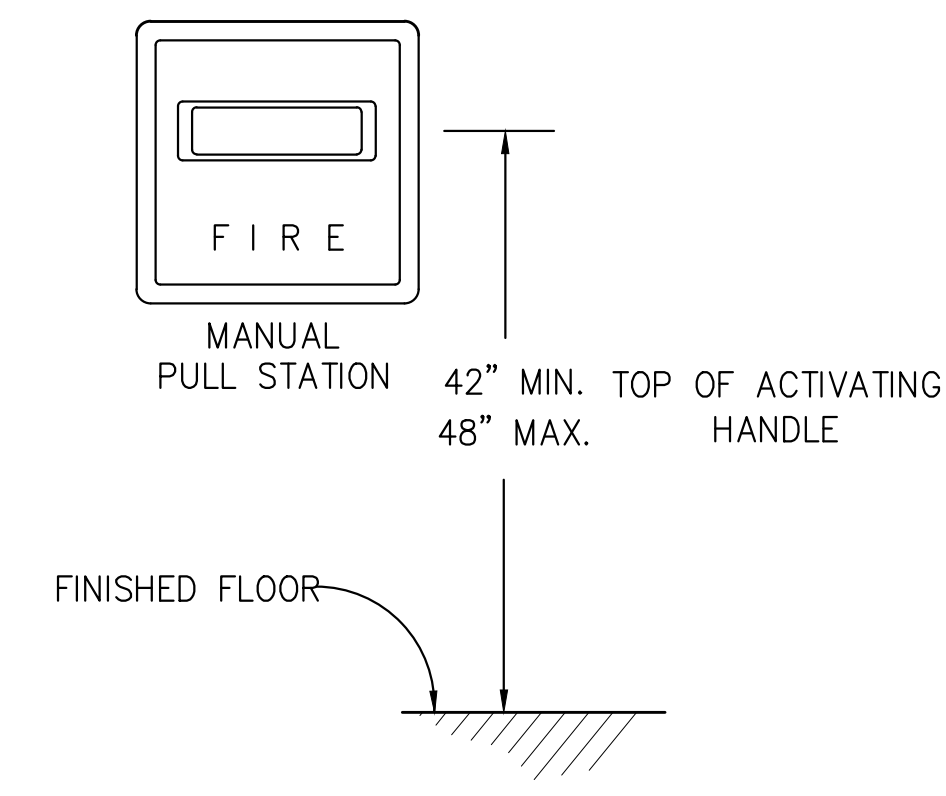
MODULE, SINGLE INPUT



FACP/FCPS MOUNTING DETAIL



DETECTOR BASE



MANUAL PULL STATION ELEVATION

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PITTSBURG UNIFIED SCHOOL DISTRICT

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PROJECT NO: 115-22-04 www.aec-engineers.com
Consultant

NO.	ISSUED FOR:	DATE
1	BUILDING LAYOUT	12/02/2022
2	BID DOCUMENTS	12/14/2022
3	RE BID	11/7/23

APPROVALS

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KEY PLAN

FIRE ALARM DETAILS

SHEET NUMBER

FA3.01

CAD FILE: Unlited 4
DATE: 11/2/2022 PROJECT NO: 2022.150

FACP EQUIPMENT ANCHORAGE NOTE

ALL FIRE ALARM COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2010 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND ASCE

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY.

THE ATTACHMENT OF THE FOLLOWING COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDE BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

(2) 36'X40' CLASSROOM

JOB NO. 1967

CLASS LEASING

SYMBOLS		
TYPE	SYMBOL	DESCRIPTION
DETAIL		DETAIL ON SAME SHEET AS SYMBOL
DETAIL		DETAIL NUMBER (1) ON SHEET NUMBER (2)
NOTE		NOTE NO. 1 ON SAME SHEET AS SYMBOL
NOTE		NOTE NO. 4 ON SHEET NUMBER (5)
WALL PANEL		WALL PANEL TYPE "A" ON SHEET (1)
SECTION		SECTION "A" ON SHEET (2)
REF.		REVISION CHANGE IN DIMS. NO. (1) FIRST REVISION
REF.		HIGHLIGHTS CHANGED AREA

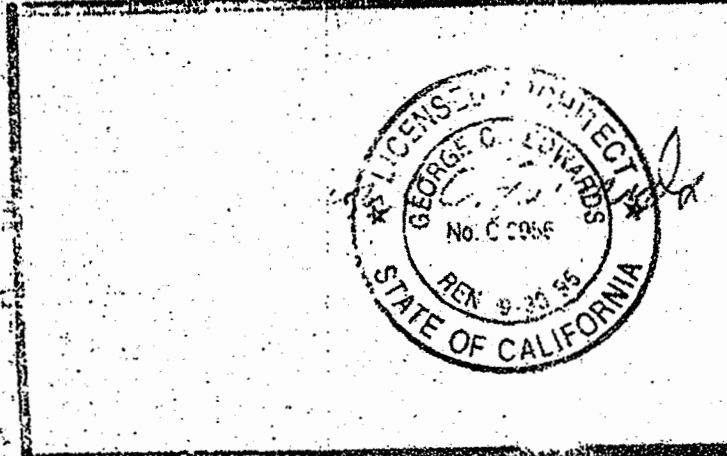
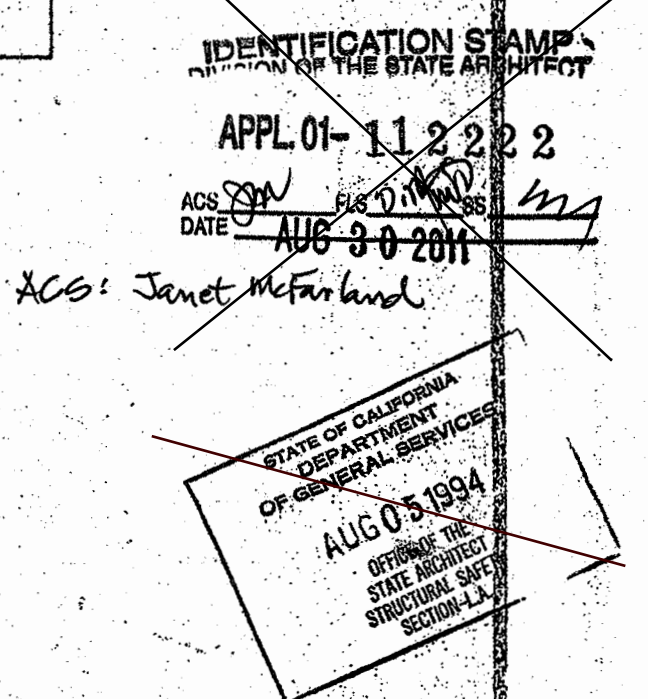
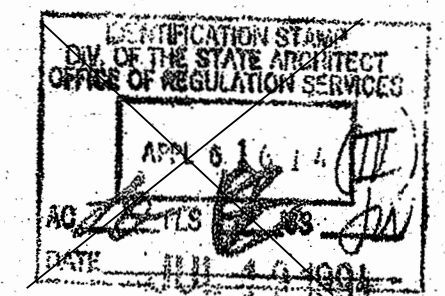
SHEET INDEX	
ARCHITECTURAL	A0 - COVER SHEET A1.0 - FLOOR/ROOF PLAN A2.0 - ROOF PLAN A3.0 - EXTERIOR ELEVATIONS A4.0 - INTERIORS ELEVATIONS A4.1 - INTERIORS ELEVATIONS A5.0 - FINISH SCHEDULE A6.0 - ARCHITECTURAL DETAILS A6.1 - TYPICAL DETAILS A7.0 - REFLECTED CEILING A7.1 - REFLECTED CEILING DETAILS
STRUCTURAL	F1.0 - FOUNDATION PLAN & DETAILS (WOOD) F1.1 - FOUNDATION PLAN & DETAILS (WOOD) S1.0 - FLOOR FRAMING PLAN END UNITS S1.1 - FLOOR FRAMING PLAN CENTER UNIT S2.0 - ROOF FRAMING PLAN END UNITS S2.1 - ROOF FRAMING PLAN CENTER UNIT S2.2 - OVERALL ROOF FRAMING PLAN S3.0 - STRUCTURAL ELEVATIONS & DETAILS S3.1 - STRUCTURAL DETAILS S4.0 - STRUCTURAL DETAILS S5.0 - WALL FRAMING DETAILS S5.1 - WALL FRAMING DETAILS S5.2 - WALL FRAMING DETAILS
MECHANICAL	M1.0 - HVAC PLAN
PLUMBING	
ELECTRICAL	E1.0 - ELECTRICAL PLAN
RAMP	R1.0 - RAMP PLAN R2.0 - RAMP DETAILS

BUILDING DATA	
36'X40'BLDG.	
OCCUPANCY	E-1/B-2
TYPE OF CONSTRUCTION	V-N
WIND LOAD	10 MPH. EXP. 10'
FLOOR LIVE LOAD	50 P.S.F. 20 P.S.F. Partitions
ROOF LIVE LOAD	20 P.S.F.
BUILDING AREA	1440 SQ. FT.
STRUCTURAL DESIGN	STEEL FRAME

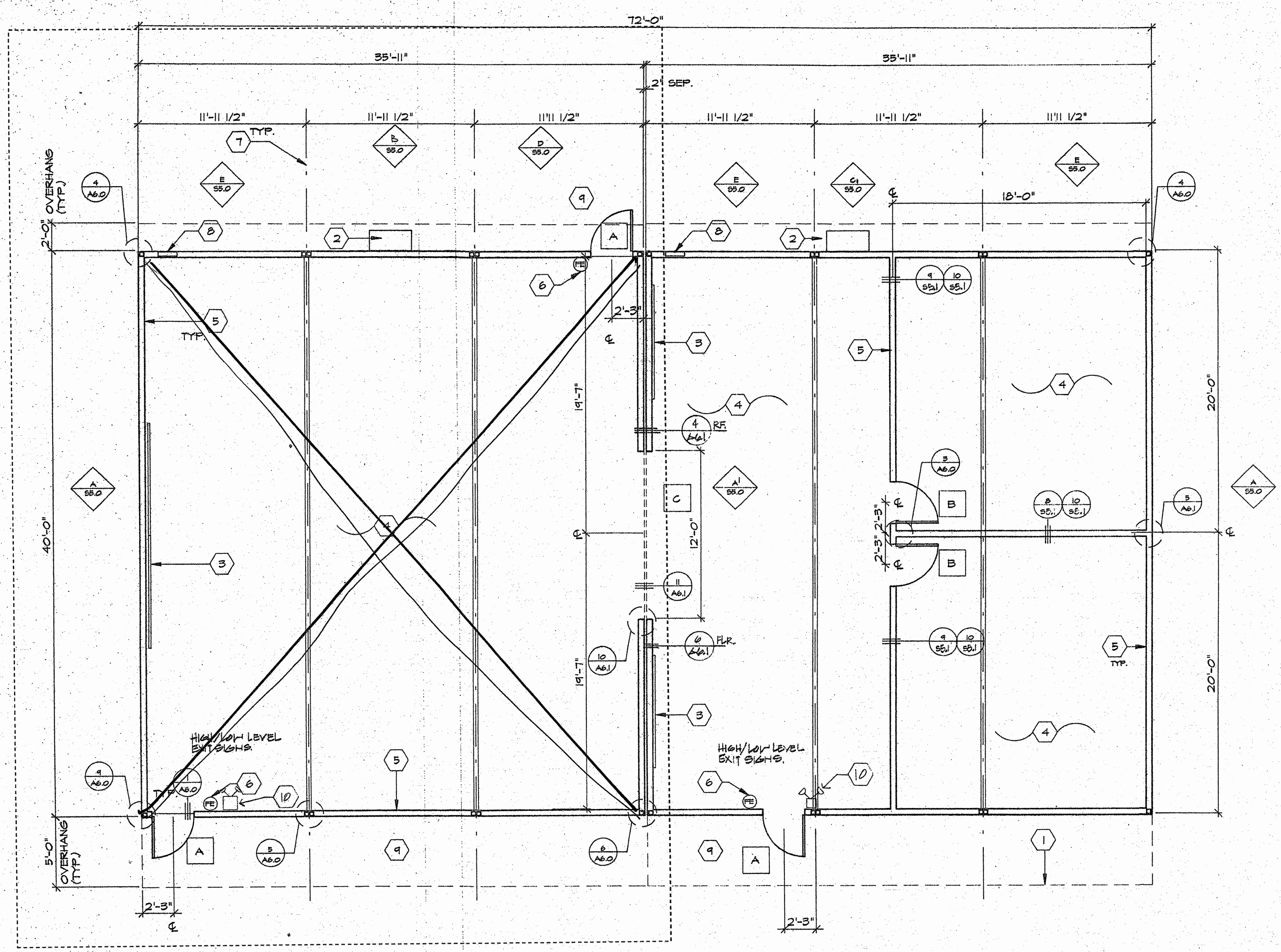
APPLICABLE CODES - NEW CONSTRUCTION
 TITLE 24, C.C.R., PART 2, 1991 C.B.C. (1991 UBC W/ CALIF. AMENDMENTS)
 TITLE 24, C.C.R., PART 3, 1992 C.E.C. (1991 NEC W/ CALIF. AMENDMENTS)
 TITLE 24, C.C.R., PART 4, 1991 C.M.C. (1991 UMC W/ CALIF. AMENDMENTS)
 TITLE 24, C.C.R., PART 5, 1991 C.P.C. (1991 UPC W/ CALIF. AMENDMENTS)
 TITLE 19, C.C.R., PUBLIC SAFETY, DIV. 1, STATE FIRE MARSHALL REGULATIONS

AS ALTERNATE FOR ALL SHOT PIN ATTACHMENTS, USE #10 S.T.D.M.S. AT THE SAME SPACING

WITH THE SIGNING OF THE DRAWINGS, HE ACKNOWLEDGE THAT HE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDUMS. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE OFFICE OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDUMS THERETO.



DRAWN BY: CC
 DATE: 4/28/94
 CHECKED BY:
 DATE:
PORTION 3
4012-061
STKP-12 CLR9.007
TITLE SHEET AO



NOTES

- A EXTERIOR DOOR SEE DOOR SCHEDULE
- B INTERIOR DOOR SEE DOOR SCHEDULE
- C CASE OPENING SEE DOOR SCHEDULE

- 1 ROOF OVERHANG
- 2 HVAC UNIT - SEE M-1
- 3 2- 8'X4' MARKER BOARDS (SEE SPEC'S FOR TYPE)
- 4 FINISH FLOORING (SEE FINISH SCHEDULE)
- 5 TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE)
- 6 FIRE EXTINGUISHER - 5 LBS. DRY CHEMICAL WITH 2A-10BC UL RATING ON WALL MTD BRACKET AT 48"
- 7 MODLINE (12 TYPICAL)
- 8 14'X16" BAROMETRIC PRESSURE DAMPER
- 9 RAMP AND STAIR PLAY (SEE R1, R2, O)
- 10 EMERG. LIGHTING W/ BATTERY BACK-UP DULL LIGHT EZ-2

GENERAL NOTES

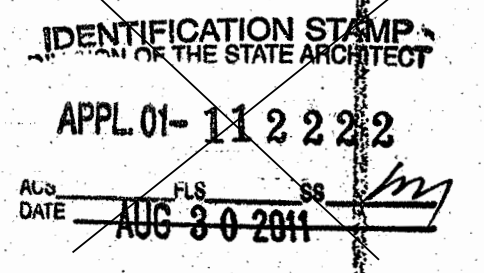
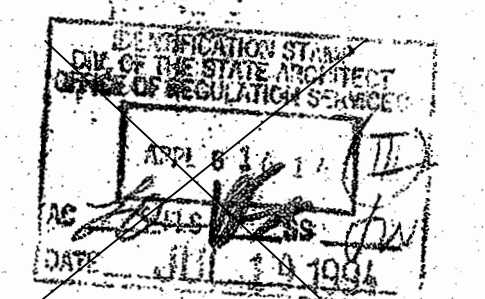
A: METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW O.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER.

EXIT ILLUMINATE SIGNS
ACTIVE SAFETY UL# 94UB

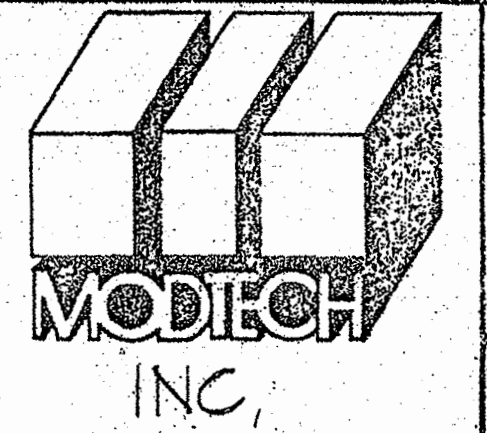
FLOOR PLAN

INTERIOR REFERENCE SHEET A4.0

SCALE 1/4"=1'-0"

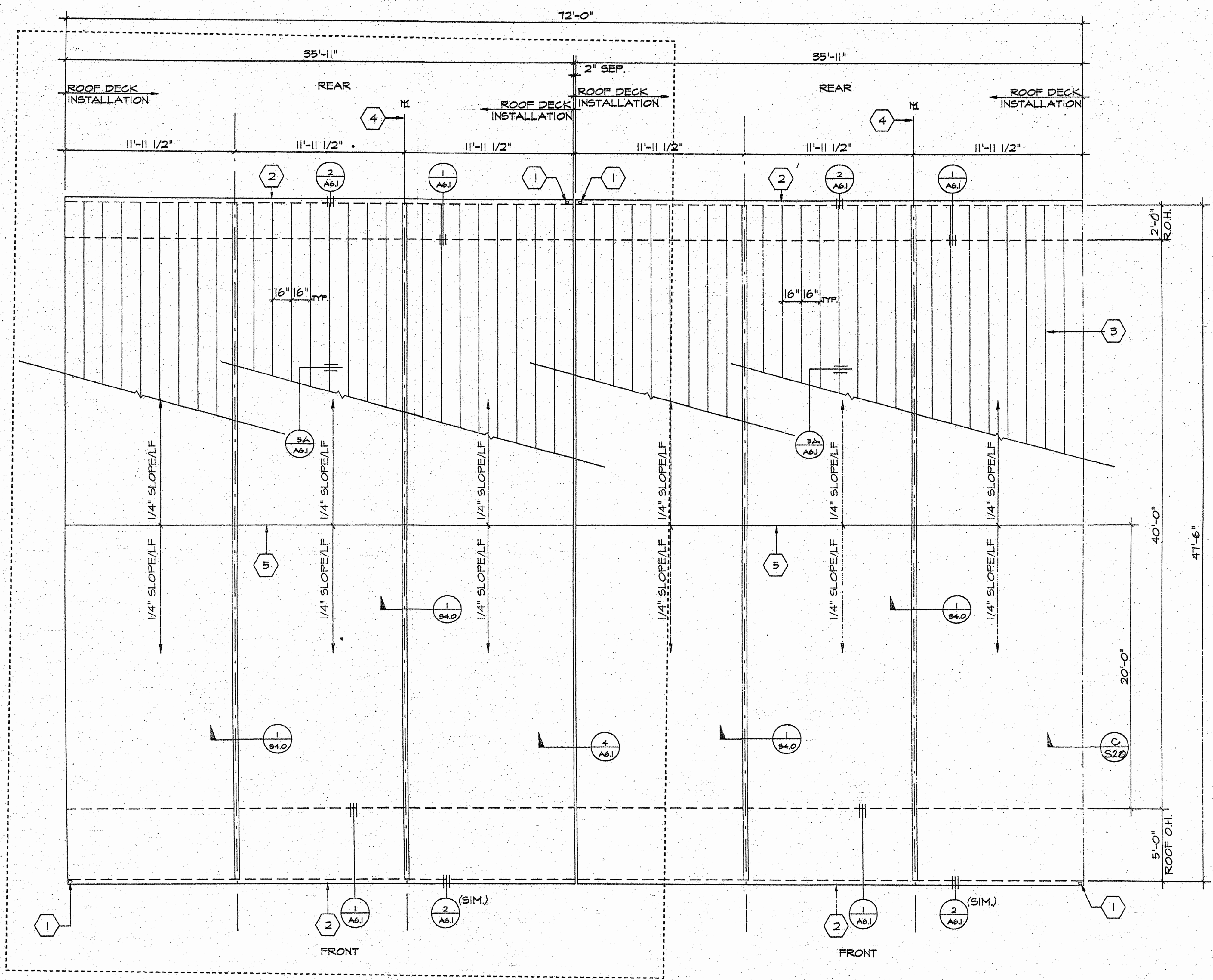


ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY



JOB NO. 1967
 CLASS LEASING
 PORTION 3
 4012-051
 STKP-12 CLASS.007

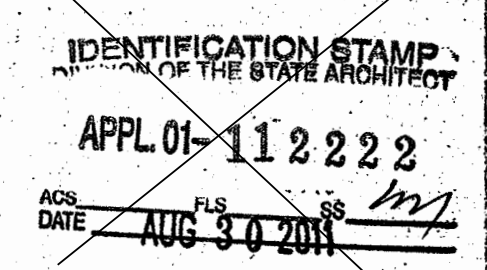
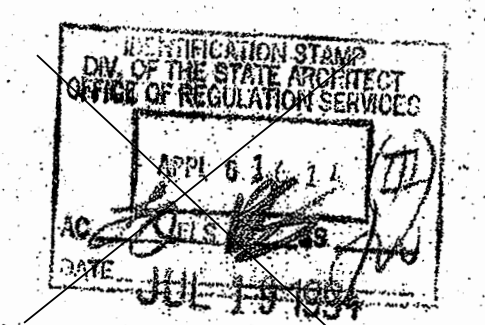
FLOOR PLAN A1.0



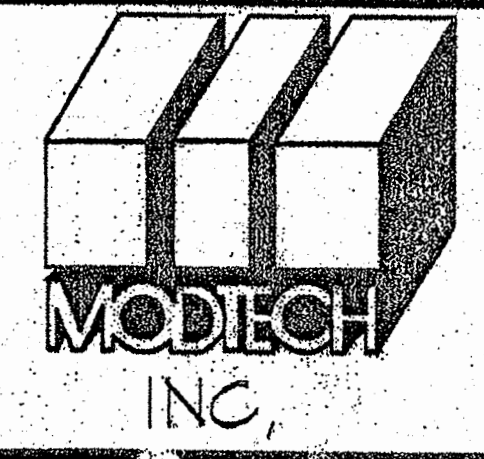
- NOTE**
- 1 DOWNSPOUT (TYPICAL) 3"X2"X26 GA
 - 2 CONTINUOUS GUTTER 26 GA.
 - 3 22 GA. MIN. INTERLOCKING ROOF PANELS 16" WIDE X 5' STANDING RISE.
 - 4 MODLINE
 - 5 RIDGELINE

ROOF PLAN

SCALE 1/4"=1'-0"



ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY



JOB NO. 1967

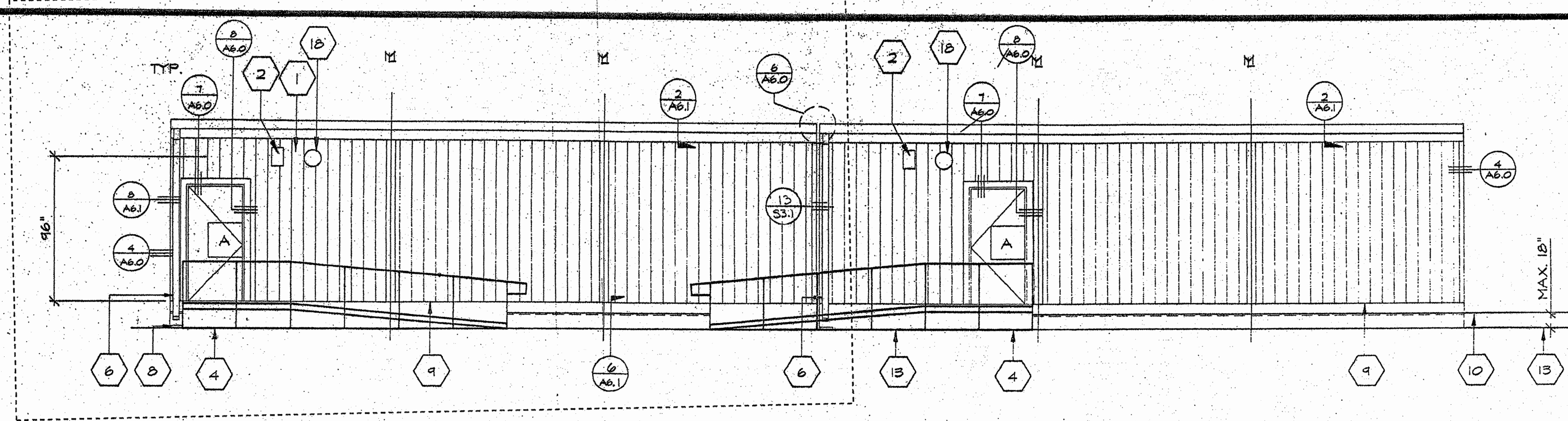
© MODTECH INC. 1994

CLASS LEASING

PORTION 3
4012-061
BTKP-1B CLSS.007

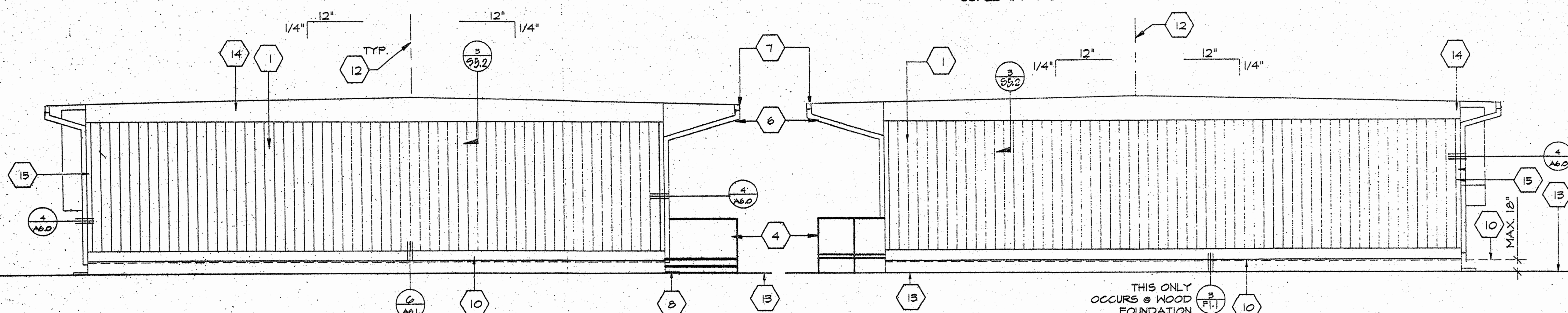
ROOF PLAN A2.0

DRAWN BY: DATE 4/27/94
CHECKED BY: DATE



1 FRONT ELEVATION

SCALE 1/4"=1'-0"

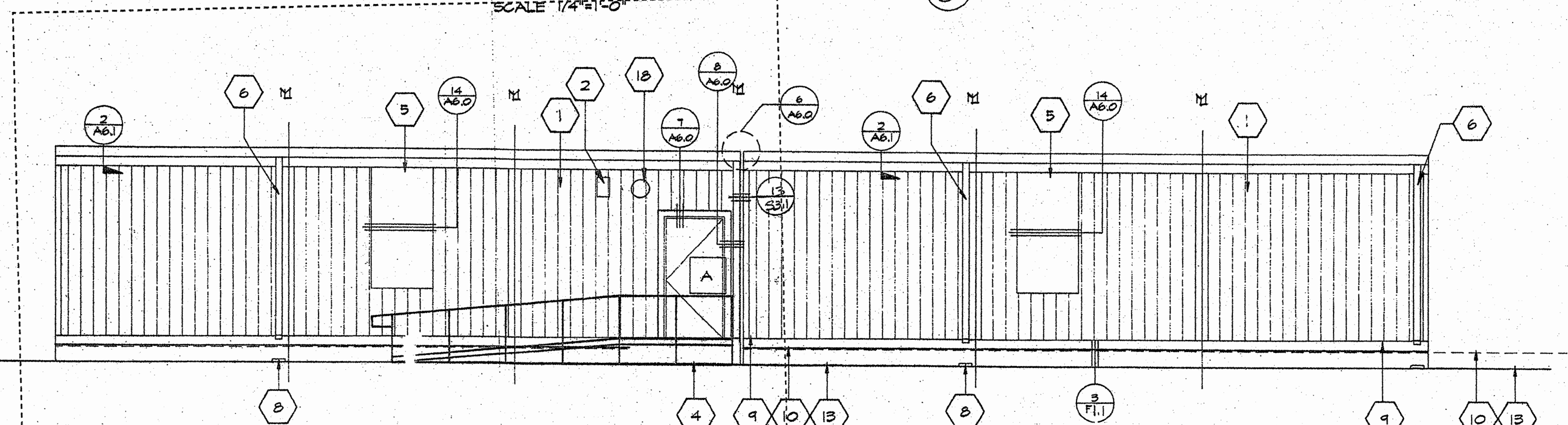


2 SIDE ELEVATION

SCALE 1/4"=1'-0"

3 SIDE ELEVATION

SCALE 1/4"=1'-0"



4 REAR ELEVATION

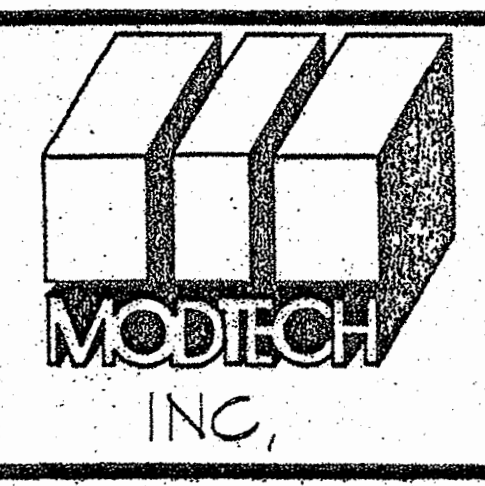
SCALE 1/4"=1'-0"

NOTES

- A EXTERIOR DOOR (SEE DOOR SCHED.)
- 1 TYPICAL EXTERIOR SIDING (SEE FINISH SCHED. A-3.0)
- 2 EXTERIOR LIGHT FIXTURE & OVER DOOR (SEE SPECIFICATIONS)
- 3 NOT USED
- 4 RAMP AND LANDING SEE SHT. R-1
- 5 HVAC UNIT SEE SHT. M-1
- 6 DOWNSPOUT (TYP.) ONE FASTEN TO BLDG. TYP. 2 PLACES
- 7 CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOW ON ROOF PLAN A2.0)
- 8 SPLASH BLOCK (BY OTHERS)
- 9 FINISH FLOOR LINE
- 10 BOTTOM FLANGE OF FLOOR BEAM
- 11 ROOF HEADER
- 12 RIDGE
- 13 FINISH GRADE
- 14 ROOF BEAM (SEE STRUCTURAL)
- 15 COLUMN (SEE STRUCTURAL)
- 16 NOT USED
- 17 NOT USED
- 18 FIRE ALARM HORN
- 19 NOT USED

IDENTIFICATION STAMP
 APPL 01-112222
 DATE AUG 30 2011
 DISTRIBUTION STAMP
 DIV. OF FIRE SAFETY INSPECTOR
 OFFICE OF REGULATORY SERVICES
 APPL 61614
 DATE 11/11/04

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY



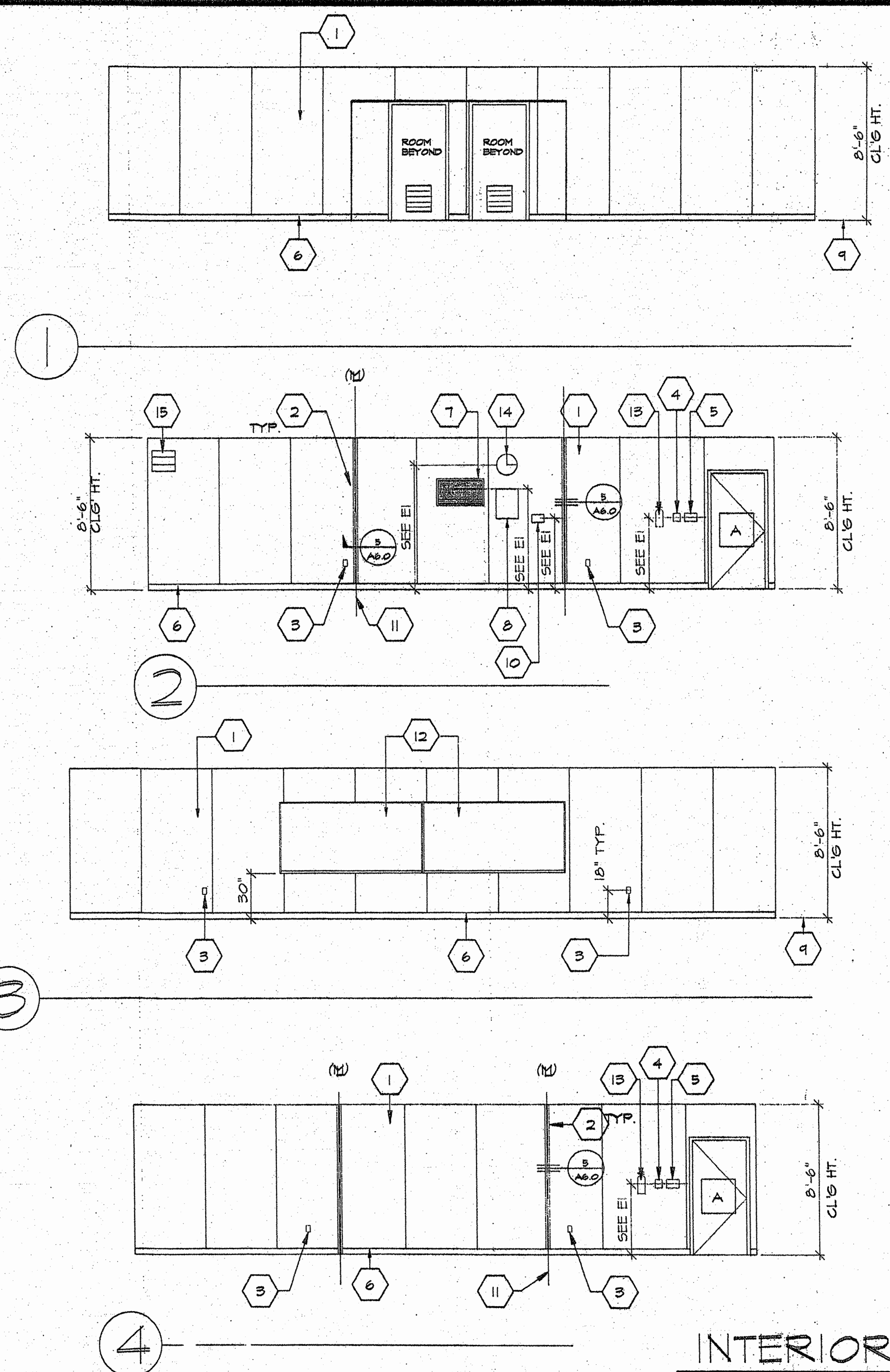
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 4012-051
 BTKP-12 CLSS-007

EXTERIOR ELEVATIONS A3.0

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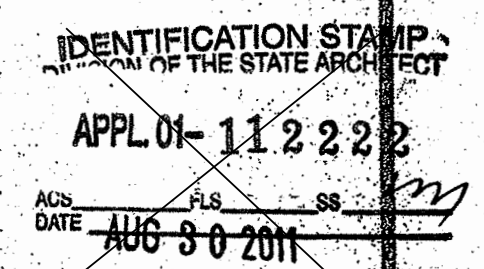


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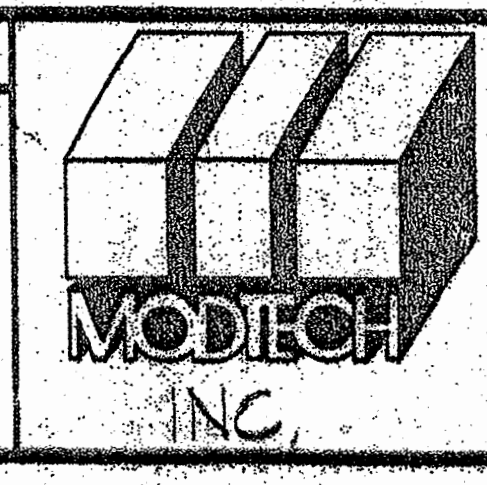
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- A EXTERIOR WINDOW (SEE DOOR SCHEDULE SHT.A5.0)
- 1 TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE SHT.A5.0)
- 2 CLOSURE AT MODULAR JOINT
- 3 DUPLEX WALL RECEPTACLE (SEE SPECS) 1/8" A.F.F. TO ϕ (SEE E-1)
- 4 FIRE ALARM PULL STATION (SEE E-1)
- 5 LIGHT SWITCH (SEE E-1)
- 6 TOP SET BASE (TYPICAL) SEE FINISH SCHED.
- 7 RETURN AIR GRILL (RAG)
- 8 ELECTRICAL PANEL (SEE E-1)
- 9 FINISH FLOOR
- 10 THERMOSTAT (SEE MECH. DRAWS) AND (SEE E-1)
- 11 MODULAR JOINT
- 12 2040 MARKBOARD (SEE SPECS)
- 13 FIRE EXTINGUISHER: 5LBS. DRY CHEMICAL WITH 2AQU-10BC U.L. RATING ON WALL MTD. BRACKET AT 48"
- 14 12" DIA. ELECTRIC CLOCK (N.I.C.) (SEE E-1)
- 15 BAROMETRIC PRESSURE DAMPER (14"X16")

INTERIOR ELEVATIONS

SCALE 1/4"=1'-0"



ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY



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CLASS LEASING

PORTION 3

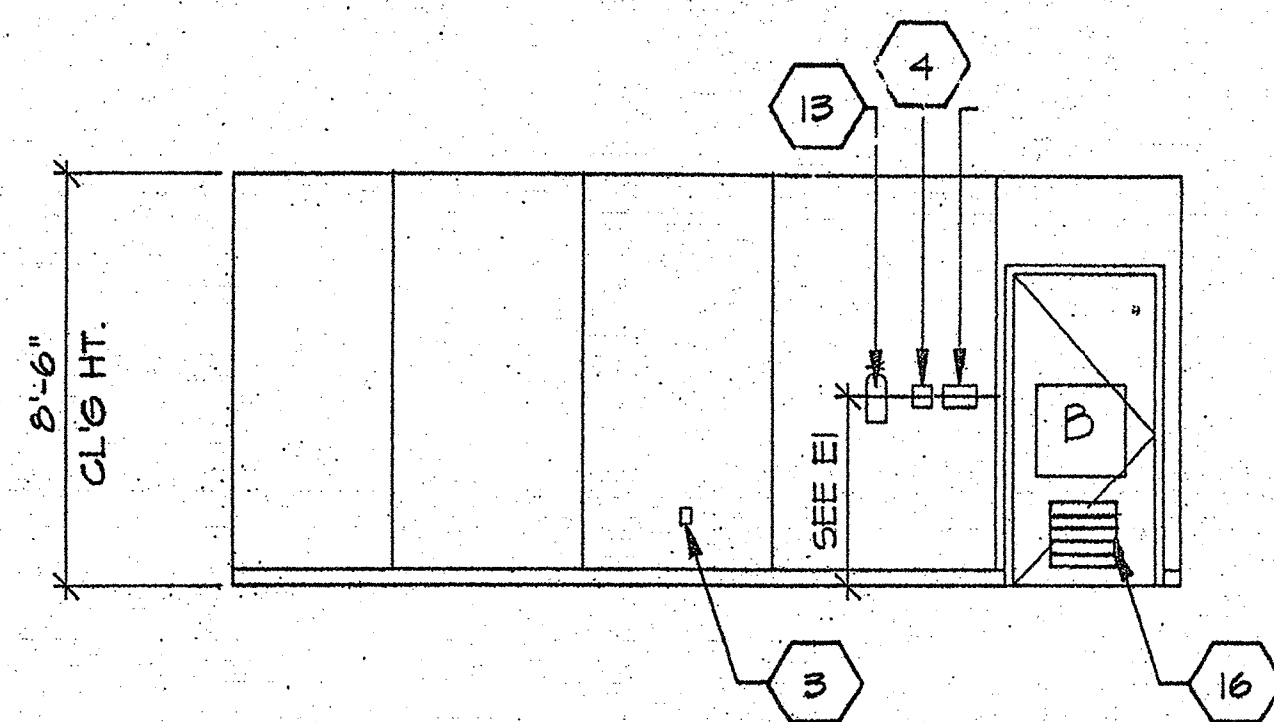
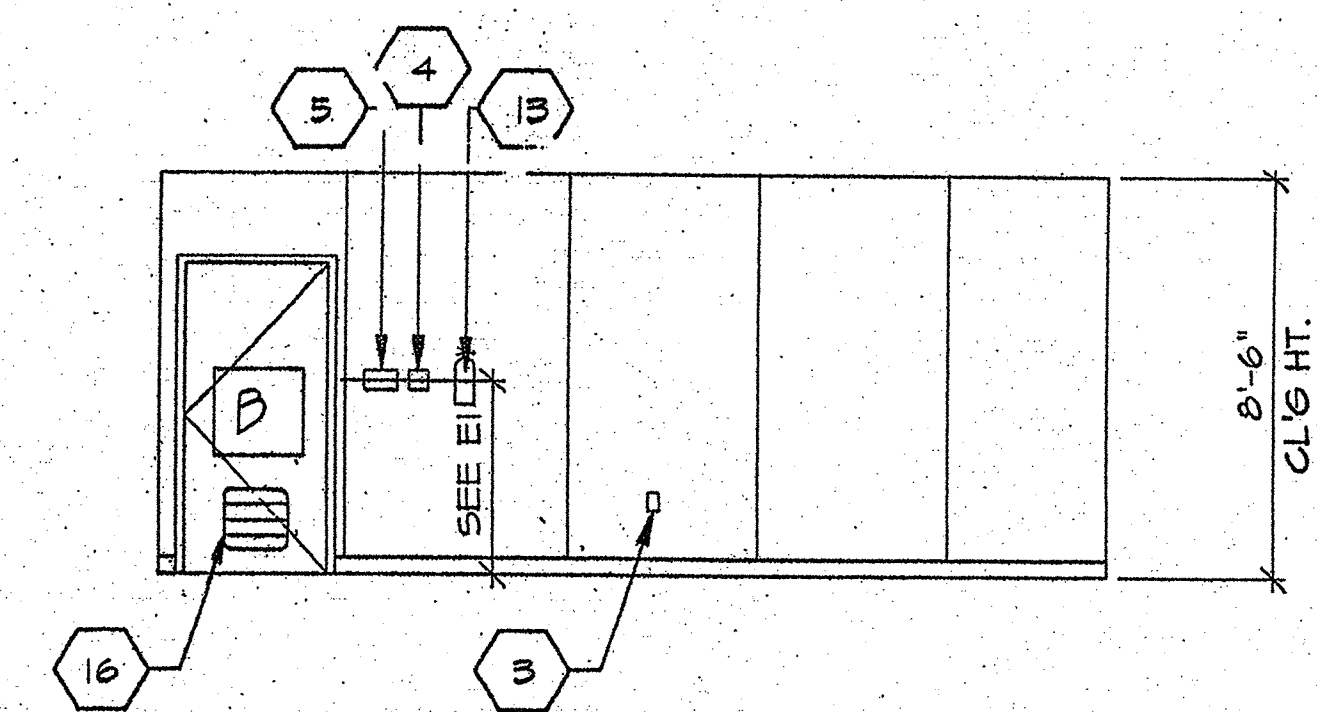
4015-061

STKP-12 CLSS-007

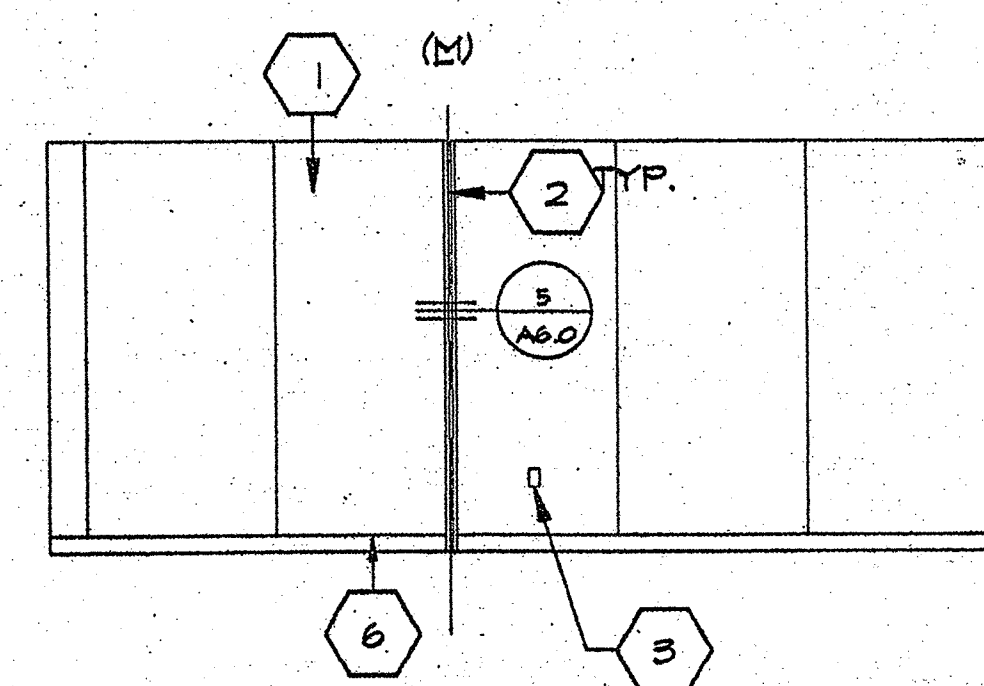
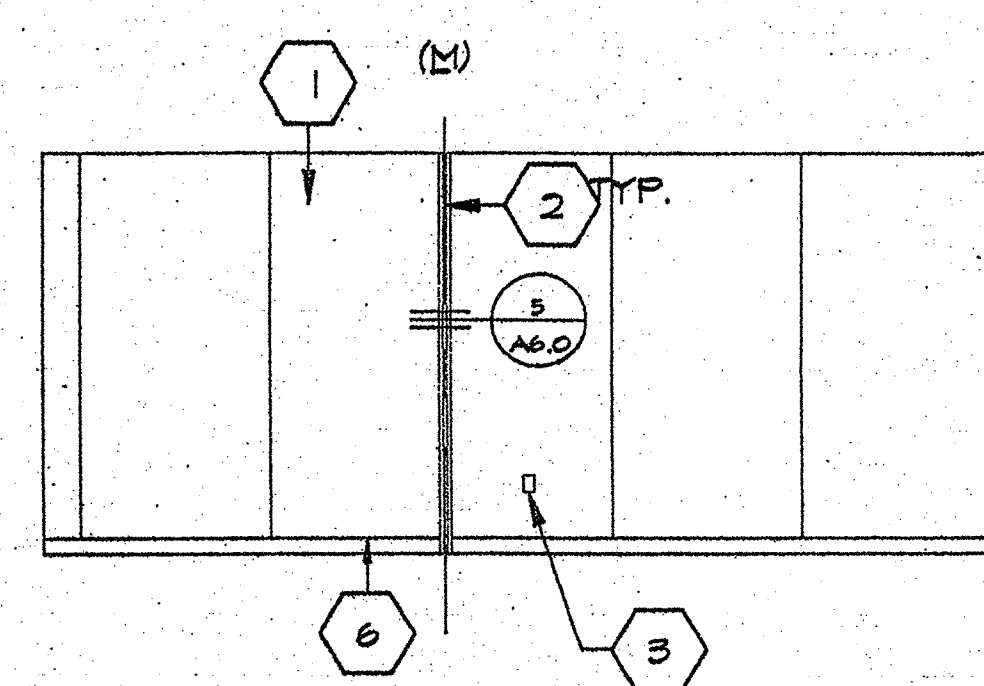
INTERIOR ELEVATIONS A40

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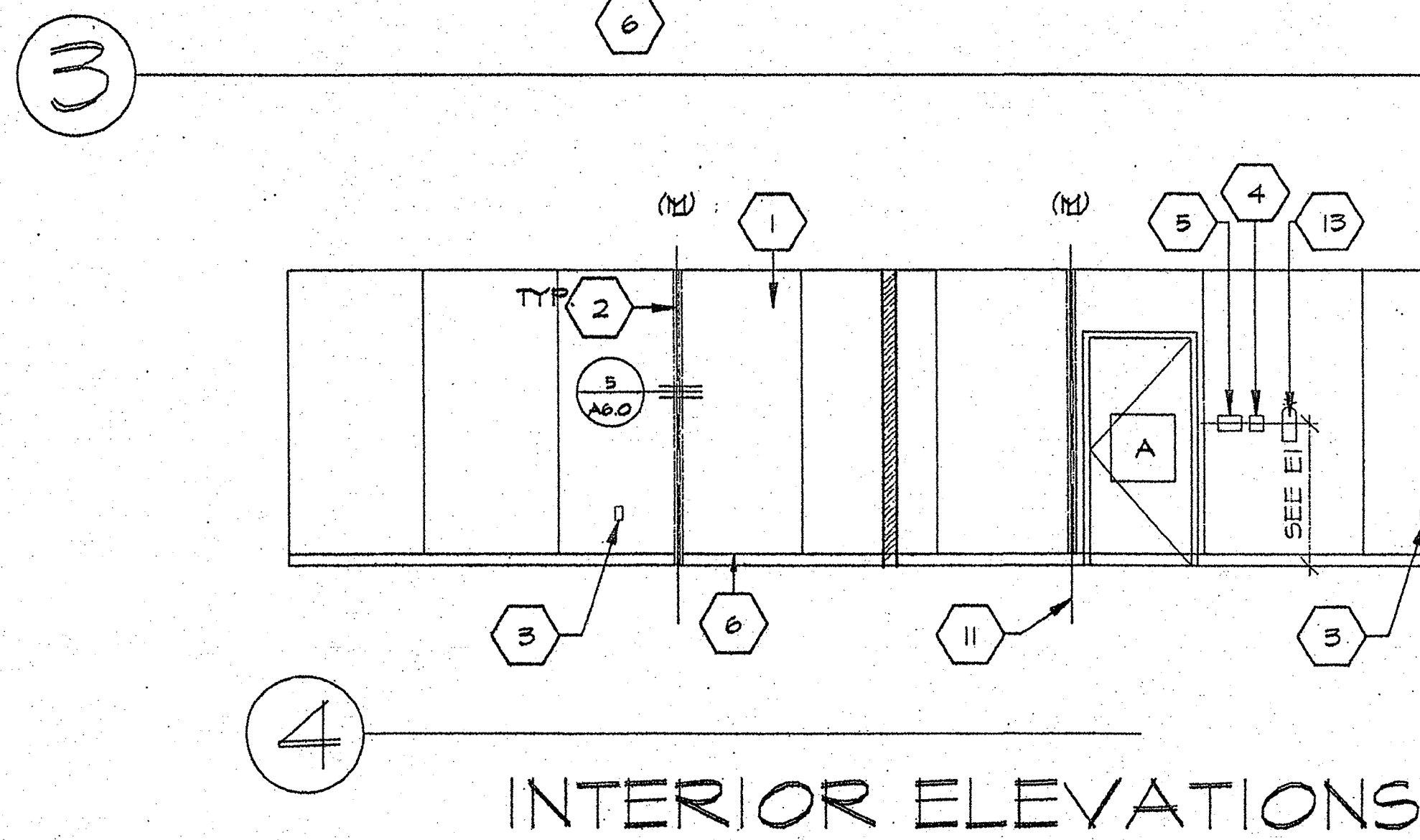
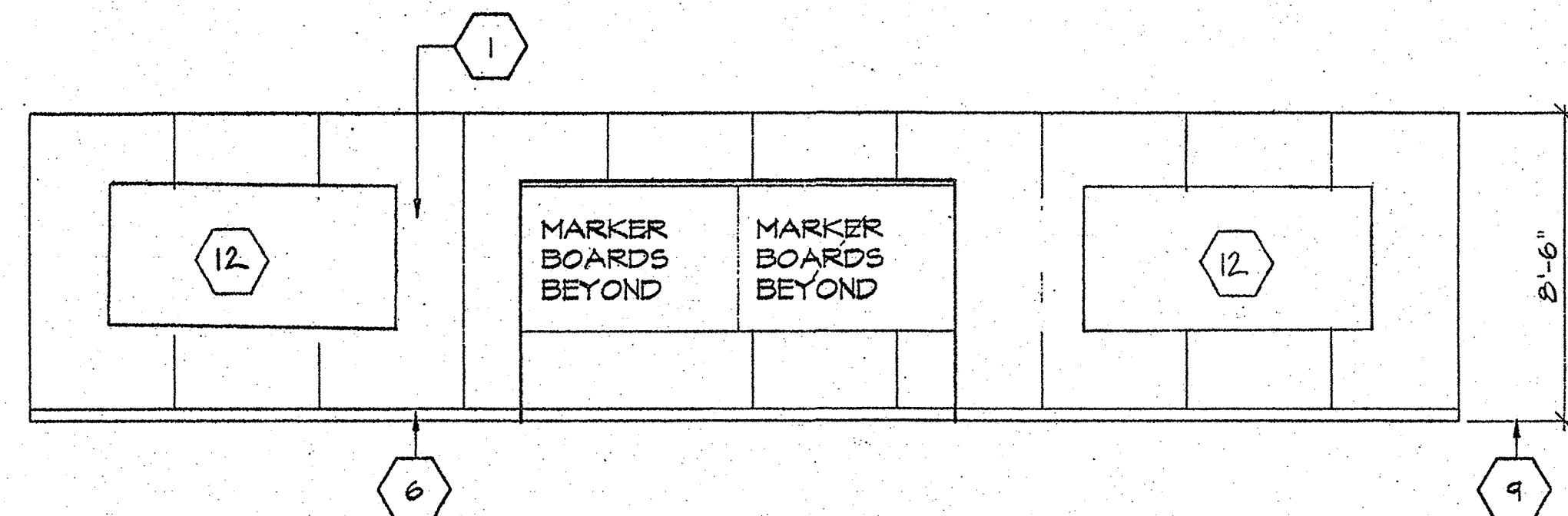
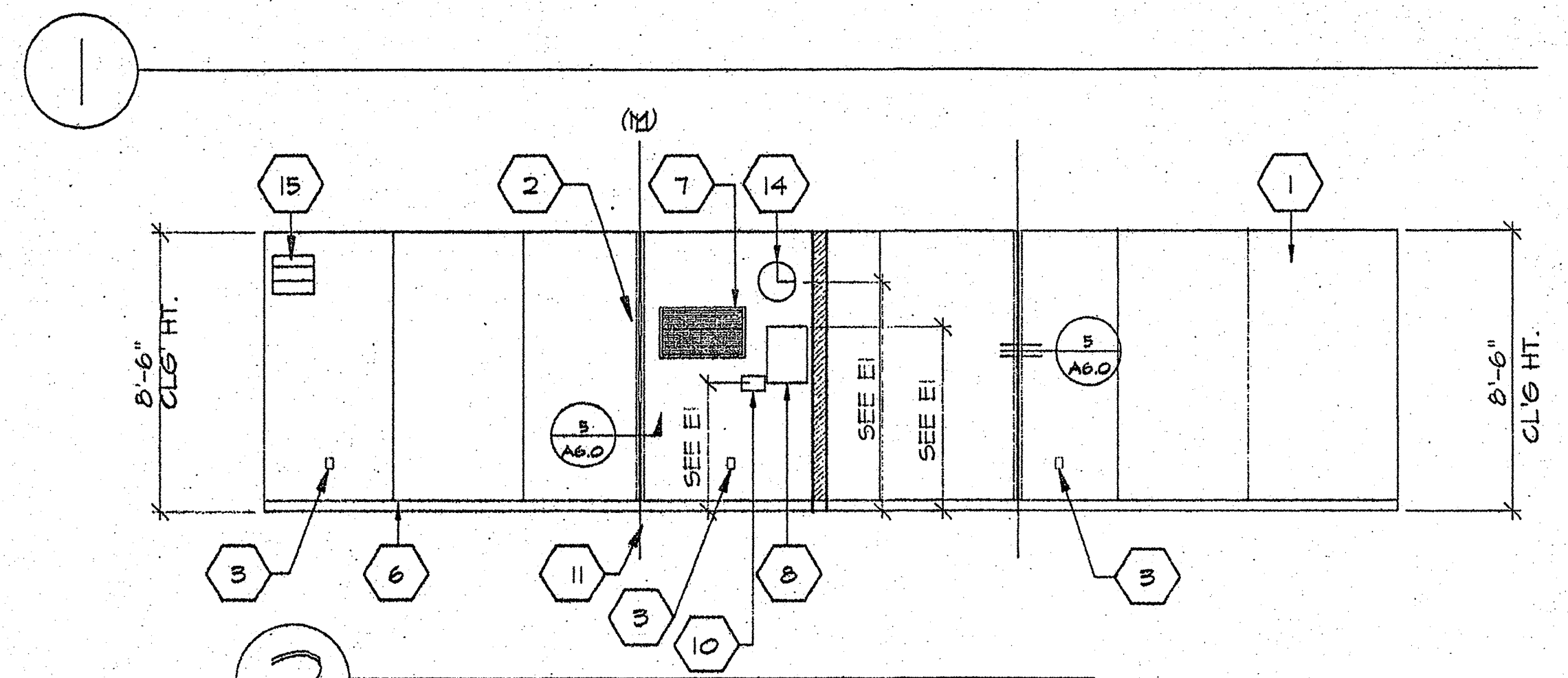
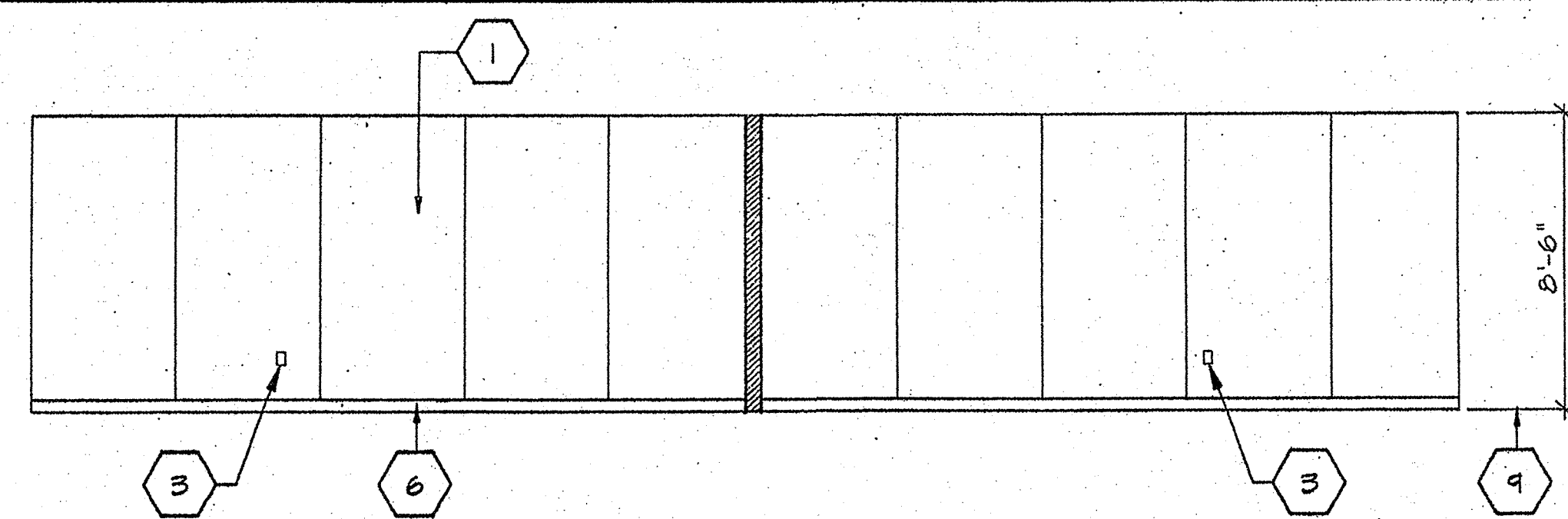
CHECKED BY: DATE



3 INTERIOR SPACES



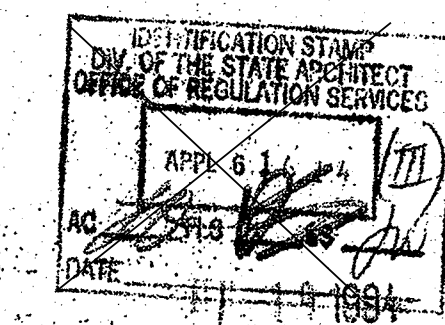
4 INTERIOR SPACES



INTERIOR ELEVATIONS

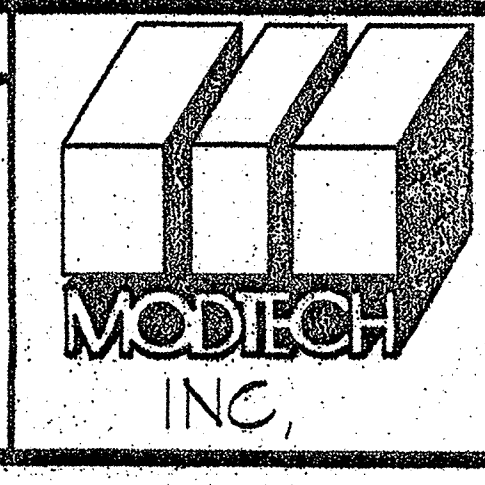
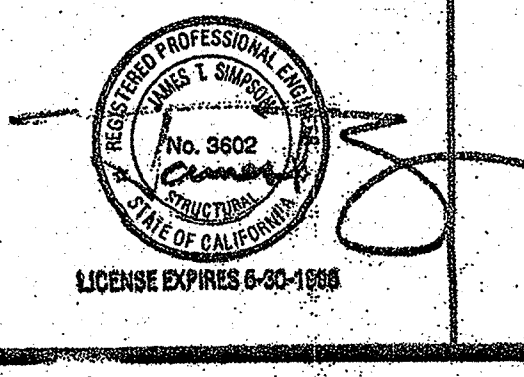
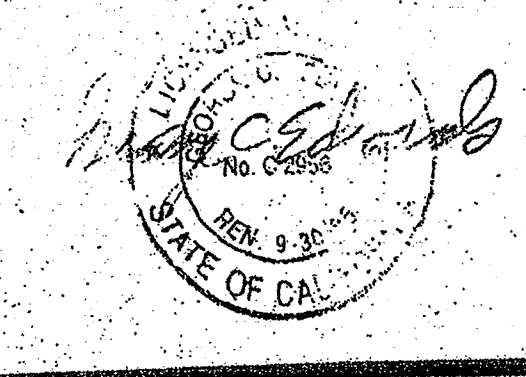
NOTES

- A EXTERIOR DOOR (SEE DOOR SCHEDULE SHT.A5.0)
- A EXTERIOR WINDOW (SEE DOOR SCHEDULE SHT.A5.0)
- 1 TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE SHT.A5.0)
- 2 CLOSURE AT MODULAR JOINT
- 3 DUPLEX WALL RECEPTACLE (SEE SPEC'S. #18" A.F.F. TO C (SEE E-1)
- 4 FIRE ALARM FULL STATION (SEE E-1)
- 5 LIGHT SWITCH (SEE E-1)
- 6 TOP SET BASE (TYPICAL) SEE FINISH SCHED.
- 7 RETURN AIR GRILL (RAG.)
- 8 ELECTRICAL PANEL (SEE E-1)
- 9 FINISH FLOOR
- 10 THERMOSTAT (SEE MECH. DRAWINGS) AND (SEE E-1)
- 11 MODULAR JOINT
- 12 8040 MARKBOARD (SEE SPEC'S.)
- 13 FIRE EXTINGUISHER: 5LBS. DRY CHEMICAL WITH 2AQ-10BC U.L. RATING ON WALL MTD BRACKET AT 48"
- 14 12" DIA. ELECTRIC CLOCK (N.I.C.) (SEE E-1)
- 15 BAROMETRIC PRESSURE DAMPER (14"x16")
- 16 DOOR VENT (24"x18")



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. 01-112223
 DATE AUG 30 2011

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
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JOB NO. 1967
 CLASS LEASING
 PORTION 3
 4012-061
 STKP-12 CLASS.007
 INTERIOR ELEVATIONS A4

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 DATE:

DOOR SCHEDULE

DOOR NO.	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE PROTECTION RATING	HARDWARE SET NO.	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
(A)	3'-0" X 6'-8"	HM	A		1-11	HM	7/16-0	8/16-0		5-1/8"	
(C)	12'-0" X 16'-8"	CO									
(B)	3'-0" X 6'-8"	HM			2		7/16-0	8/16-0		5-1/8"	6
(B)	3'-0" X 6'-8"	HM			2		7/16-0	8/16-0		5-1/8"	6

DOOR TYPES

NOTES:

- DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 38" A.F.F. & DEADBOLTS @ 44" A.F.F.
- HARDWARE TO BE OR OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
- ALL DOORS SHALL BE 1-3/4" THICK, U.N.C.
- DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS.
- SAFETY GLASS, CLEAR.
- WIRE GLASS.
- UNDERCUT DOOR.
- FIXED VENTS (24" X 18").
- FUSIBLE LINK LOUVER.
- VISION PANEL.
- CLOSURES SHALL BE SET FOR MAX. OPENING PRESSURE 8.5 LBS EXTR. DR. 50 LBS INTR. DR.

ABBREVIATIONS

HM - HOLLOW METAL
AL - ALUMINUM
SST - STAINLESS STEEL
STL - STEEL
WMF - WINDOW WALL FRAME
SC - SOLID CORE WOOD
HC - HOLLOW CORE WOOD
SCL - SOLID CORE WOOD W/ LAMINATED PLASTIC FACES.

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME OF AREA	FINISHES								REMARKS
		FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	
				NORTH	EAST	SOUTH	WEST			
1	CLASSROOM	A	D	F	F	F	F	L	8'-6"	
2	SPACE - 1	A	D	F	F	F	F	L	8'-6"	
3	SPACE - 2	A	D	F	F	F	F	L	8'-6"	

MATERIAL & FINISH KEY

- (A) - CARPET PER STATE OF CALIFORNIA SPEC. COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN WITH 4" TOPSET BASE.
- (B) - RESILIENT - SPECIFY OR EQUAL
- (C) - VCT - ARMSTRONG STANDARD OR EXCELON
- (D) - 4" BURKE
- (E) - 6" BRIGANTINE OR SANDOVAL
- (F) - 1/2" VINYL TACKBOARD CLASS I OVER 1/2" GYP. BOARD BACKING
- (G) - 1/2" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED
- (H) - 5/8" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
- (I) - 1/2" GYP. BOARD TAPE/TEXTURE WITH PAINTED FINISH
- (J) - 5/8" GYP. BOARD TAPE/TEXTURE WITH PAINTED FINISH
- (K) - 1/2" MARLETE OVER 1/2" W.R. GYP. BOARD
- (L) - ACCOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)

NOTES

DOOR SPECS. EXTERIOR. FRAME SPECS. SEE SPEC'S

DOOR SPECS. INTERIOR. FRAME SPECS. SEE SPEC'S

WINDOWS SPECS. 8040 XOX ANODIZED ALUMINUM BRONZE GLAZING, 7/32" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISS FACTOR OF 46%. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREEN.

WINDOW SCHEDULE

QTY.	WIDTH	HEIGHT	TYPE	FINISH	GLASS TYPE	WINDOW TYPES
1	8'-0"	4'-0"	XOX	ANODIZED	7/32" MIN SOLAR GRAY	SLIDER (XOX)
						FIXED
						DOUBLE HUNG
						SLIDER (XO)

HARDWARE SCHEDULE

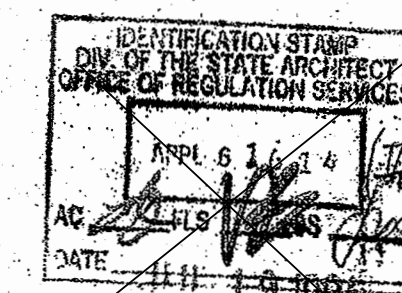
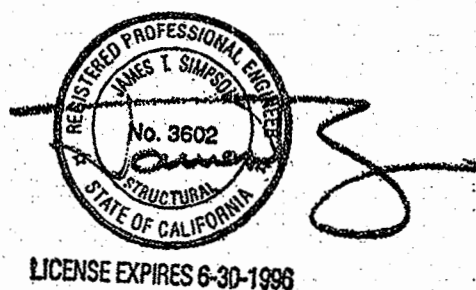
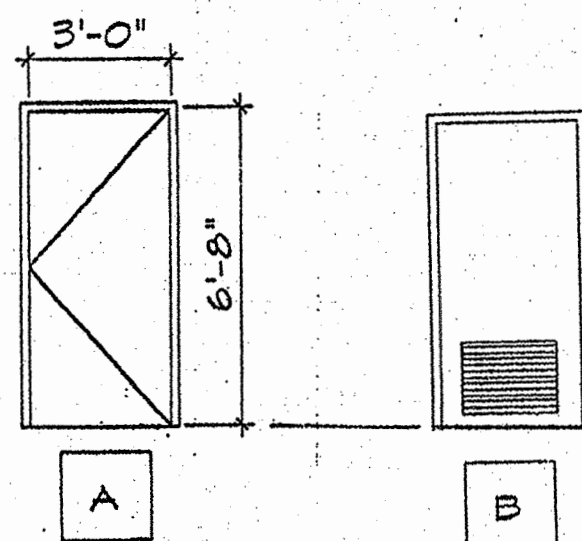
HARDWARE PACKAGE #1

LOCKSET - D10 SCHLAGE
PD RHODES LEVER OR PLINIC HOWER WHERE REQ'D (PRECISION)
BUTTS - 1-1/2 PR. HAGER 1274 BB 4-1/2 X 4-1/2
NRP 26D OR EQUAL
CLOSER - NORTON 1601 OR EQUAL
THRESHOLD - PEMKO 271A OR EQUAL
DOOR BOTTOM - PEMKO 216AV OR EQUAL
WEATHERSTRIP - PEMKO 299AV OR EQUAL

HARDWARE PACKAGE #2 (INTERIOR)

LOCKSET - D10 (PASSAGE) WITH RHODES LEVER
BUTTS - 1-1/2 PR. HAGER 1274 BB 4-1/2 X 4-1/2
NRP 26D

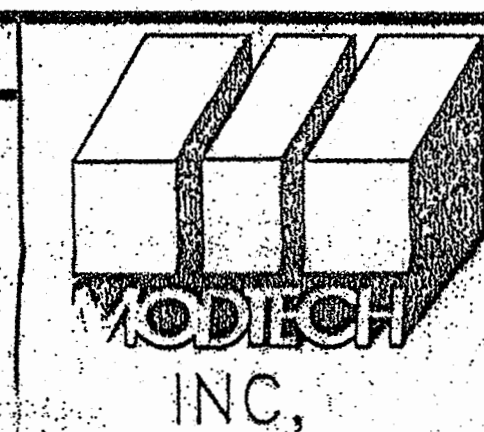
DOOR TYPES



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DATE AUG 30 2011

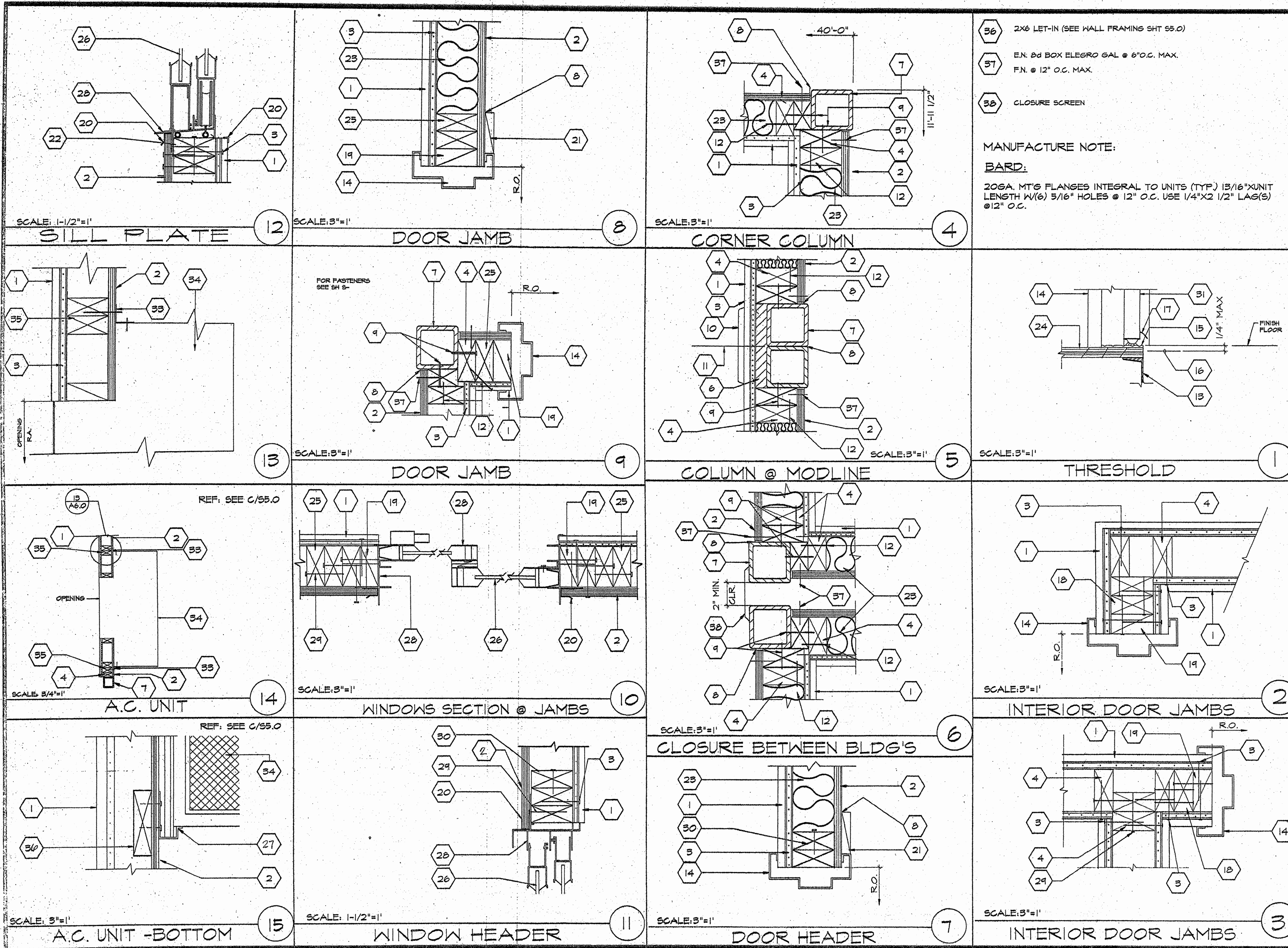
REVISED 1/20
REVISED 4-28-94
REVISED 4-28-94

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS/COMPLIANCE	STRUCTURAL SAFETY	JOB NO. 1967	© MODTECH INC. 1993	DRAWN BY: CC
									DATE: 11/11/94
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PORTION 3
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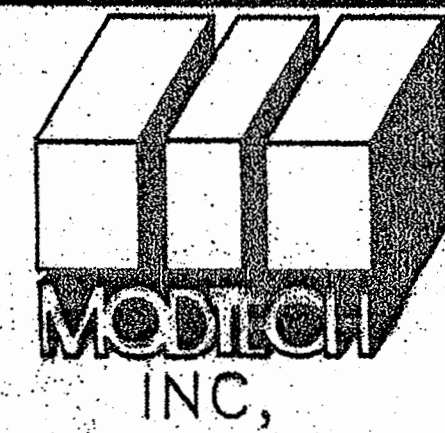
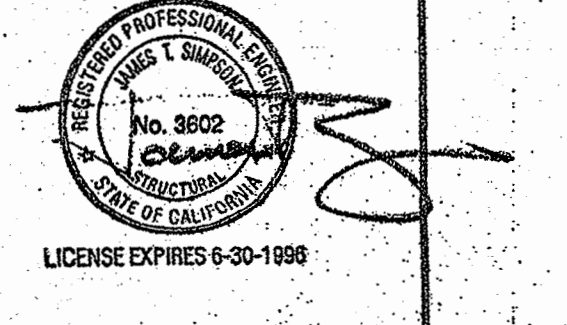
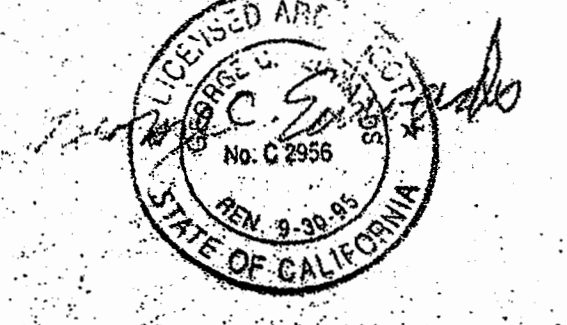
FINISH = SET = A5



- GENERAL NOTES**
- A. EN 8d ELEGRO GAL. @ 6" O.C.
 B. FN 8d ELEGRO GAL. @ 12" O.C.
- NOTES**
- 1 TYP. INTERIOR FINISH (SEE FINISH SCHED.)
 - 2 TYP. EXTERIOR FINISH
 - 3 1/2" GYPSUM BOARD BACKING W/ 12 COOLER NAILS @ MAX 24" O.C. TYP. @ EA. STUD
 - 4 2X4 STUD TYP. @ 16" O.C. MAX.
 - 5 16d @ 16" O.C. MAX.
 - 6 FILLER
 - 7 TUBE STEEL COLUMN (SEE STRUCTURAL)
 - 8 SEALANT TYP. (SEE SPECS.)
 - 9 #10 S.T.S.M.S. @ MAX 24" O.C. 2X FILLER TO COLUMN SEE STRUC. FOR CONN. (ALT. HILTI DNS2 PD SHOT PIN)
 - 10 VINYL CLOSURE
 - 11 MODULE JOINT
 - 12 16d @ 24" O.C. FACE NAIL OR 16d @ 12" O.C. TOE NAIL
 - 13 FLOOR BEAM (SEE STRUCTURAL)
 - 14 PRESSED STEEL FRAME (K.D. TYPE SEE A5.0)
 - 15 ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
 - 16 FINISH LANDING SEE FLOOR PLAN & FOUNDATION FOR TYPE AND FINISH
 - 17 DOOR BOTTOM (SEE HARDWARE SCHEDULE)
 - 18 (2) 2X4 KING STUD (SEE SHT. 55.1 TABLE 25Q FOR NAILING)
 - 19 2X4 TRIMMER (SEE SHT. 55.1 TABLE 25Q FOR NAILING)
 - 20 "J" MOLD
 - 21 1X4 WOOD TRIM W/8d ELECTRO GALV. @ 12" O.C.
 - 22 2-2X4 SILL PLATE W/16d @ 16" O.C.
 - 23 INSULATION (SEE SPECS. FOR SIZE AND TYPE)
 - 24 FINISH FLOORING (SEE FINISH SCHEDULE SHT. A5.0)
 - 25 2X4 JAMB STUDS (SEE SHT. 55.1 DETAILS FOR NUMBER OF STUDS REQUIRED AND TABLE 25G FOR NAILING)
 - 26 WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A5.0)
 - 27 MIN 10 GA. E.P.M. SUPPORT BRACKET MFG. STD. 1/2" x 3/8" x 2" LONG PAINT
 - 28 ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/MIN. 3" BLDG. PAPER BTWN. FIN. AND FRAMING. INSTALL WITH 8d @ MAX 24" O.C.
 - 29 16d BOX STAGGERED @ MAX 24" O.C.
 - 30 HEADER (SEE SHT. 55.1 WALL FRAMING DETAILS)
 - 31 DOOR (SEE DOOR SCHED.)
 - 32 SEE SHEET 55.1 FOR TYPICAL WALL FRAMING NAILING
 - 33 ATTACHMENT BRACKET (SEE MFG. NOTE)
 - 34 HVAC UNIT (SEE SHEET M-1)
 - 35 4X4 POST OR 2-2X4 1/2" FACE NAIL 16d @ 12" O.C.

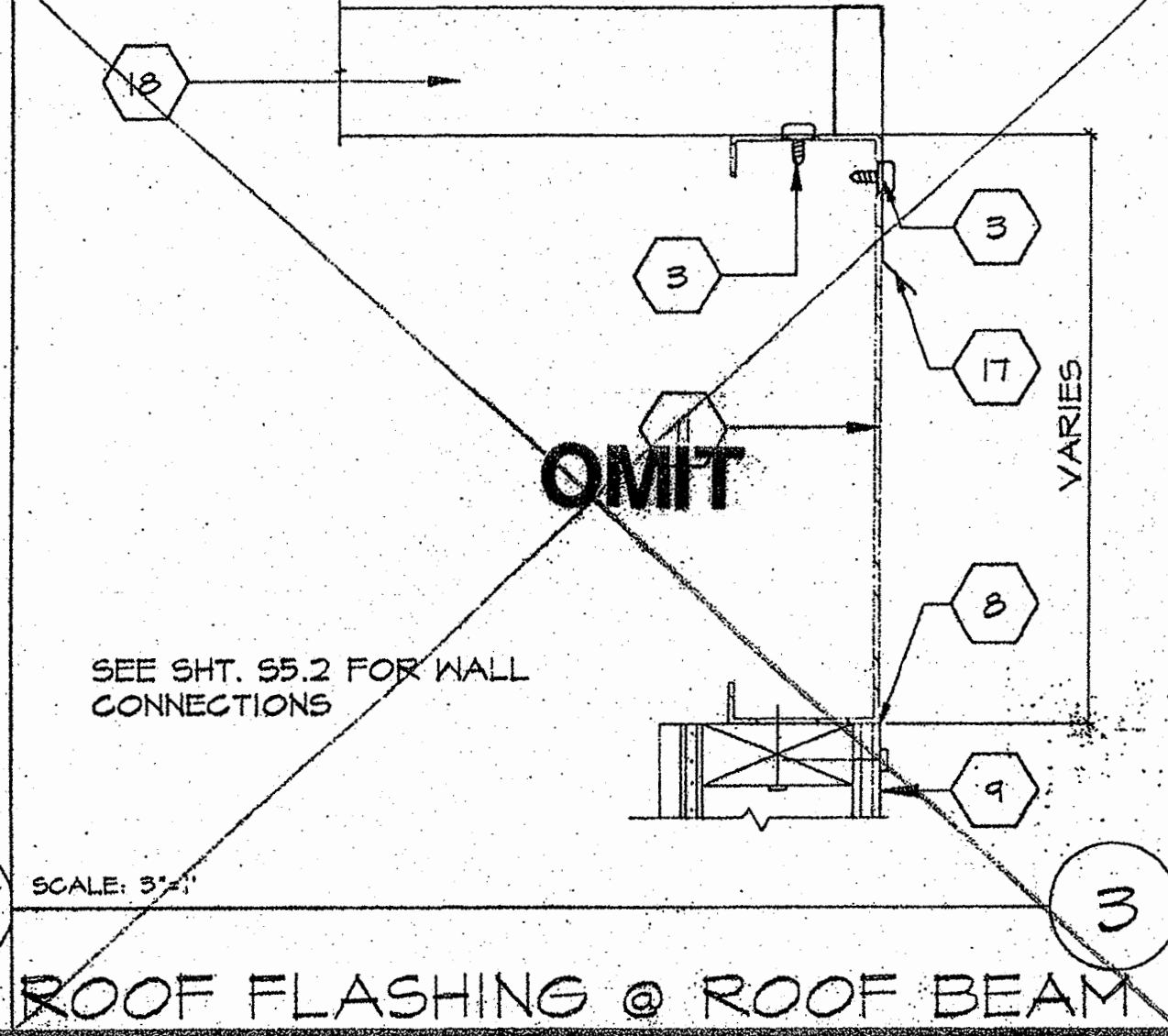
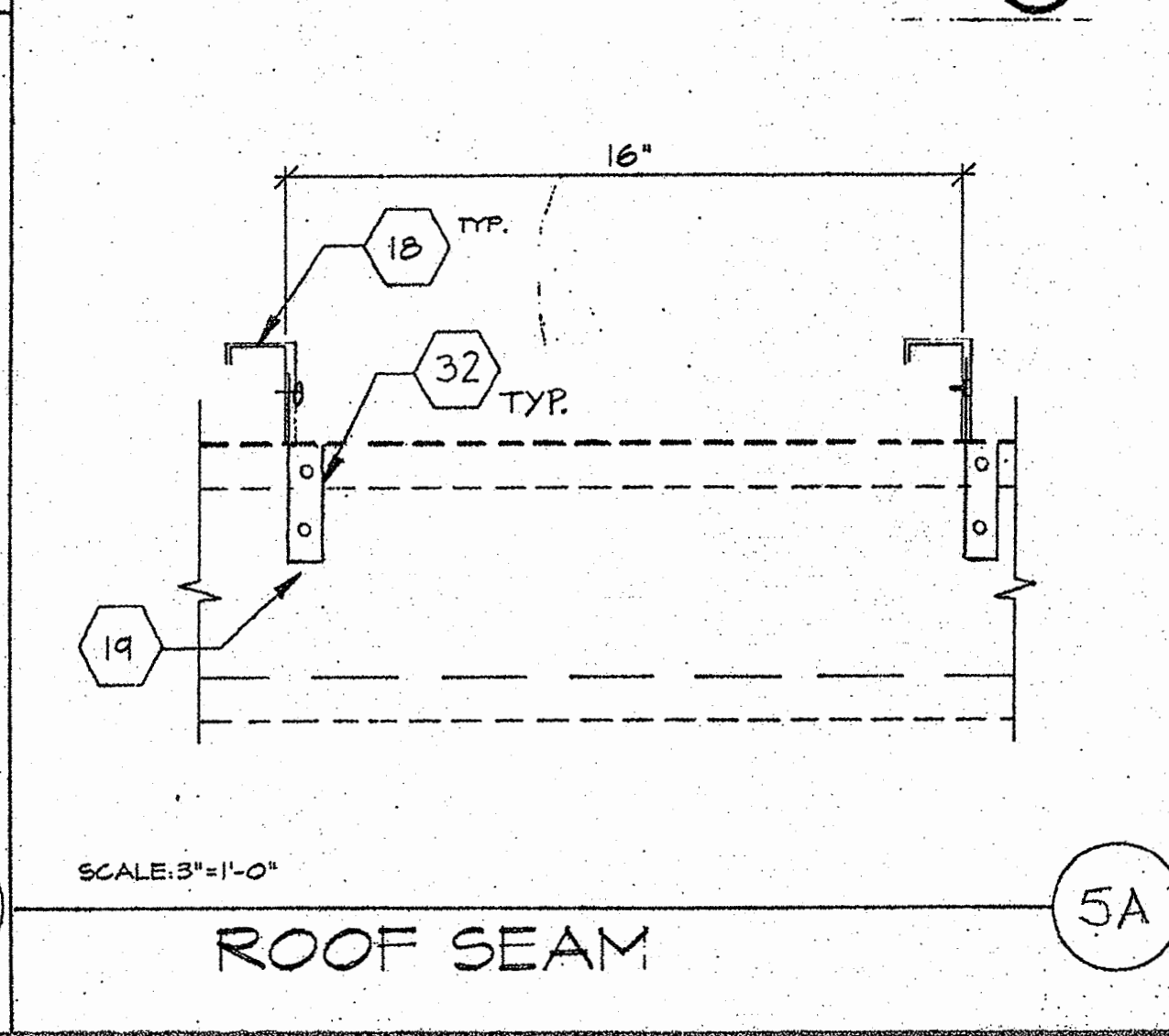
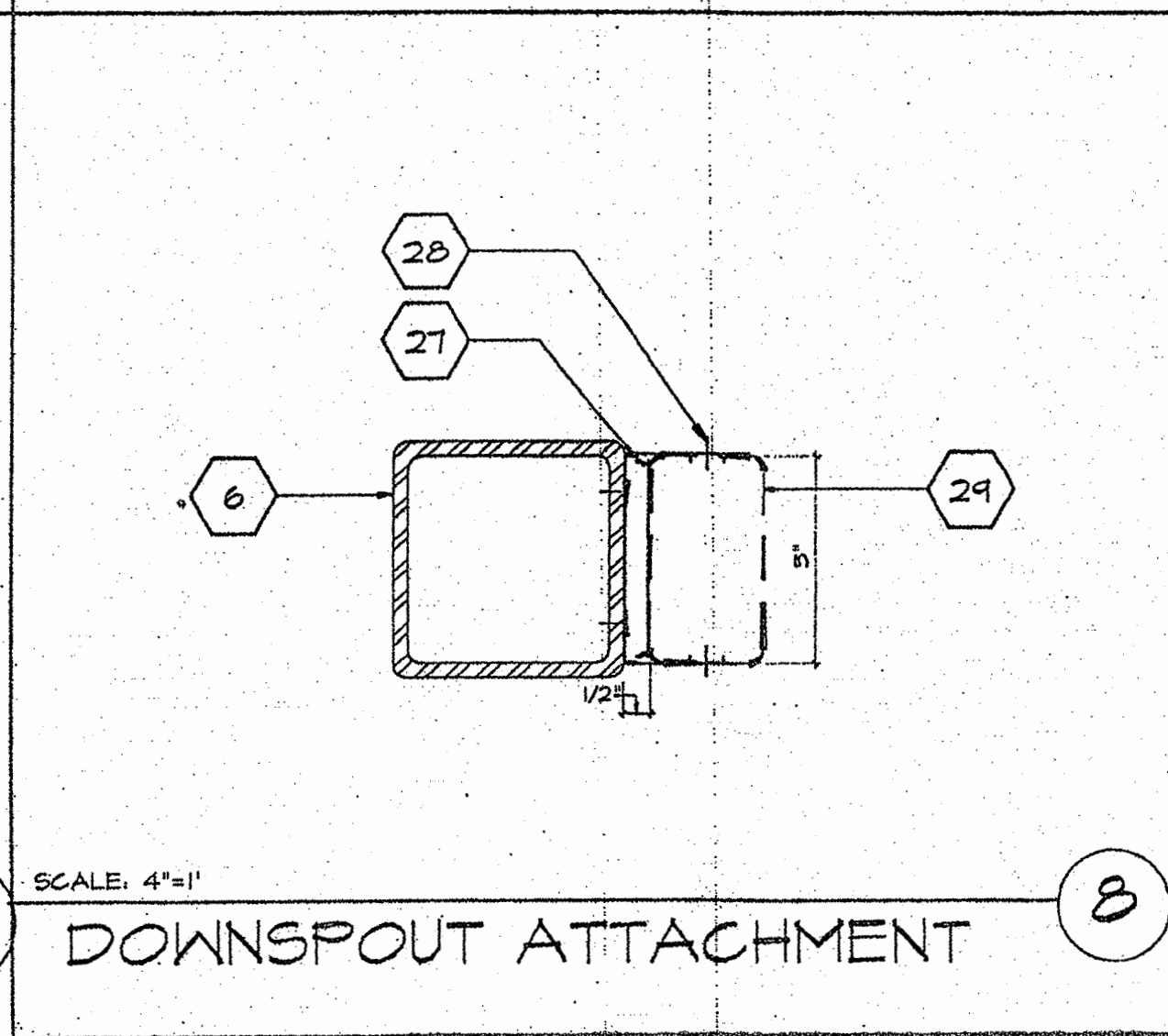
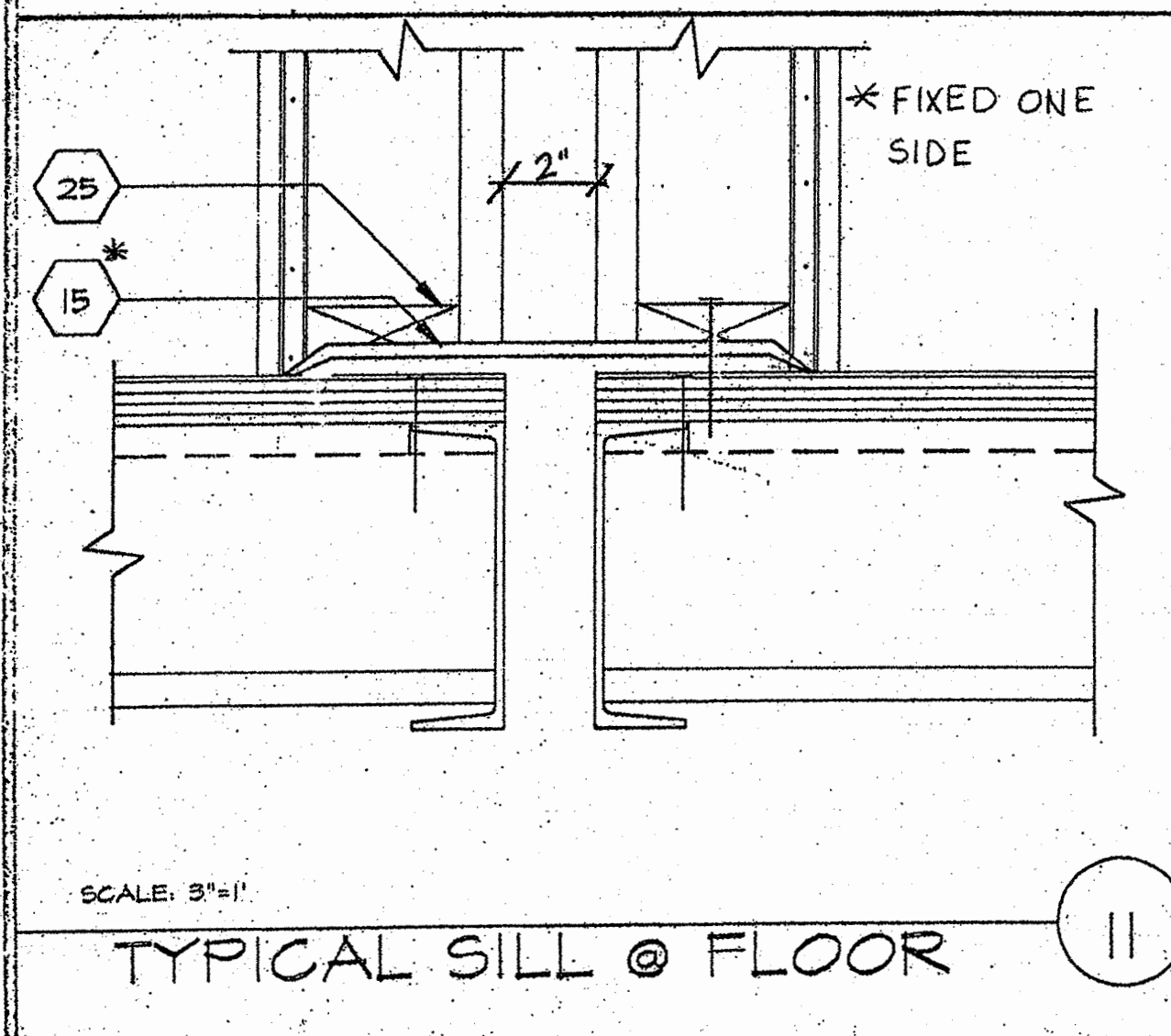
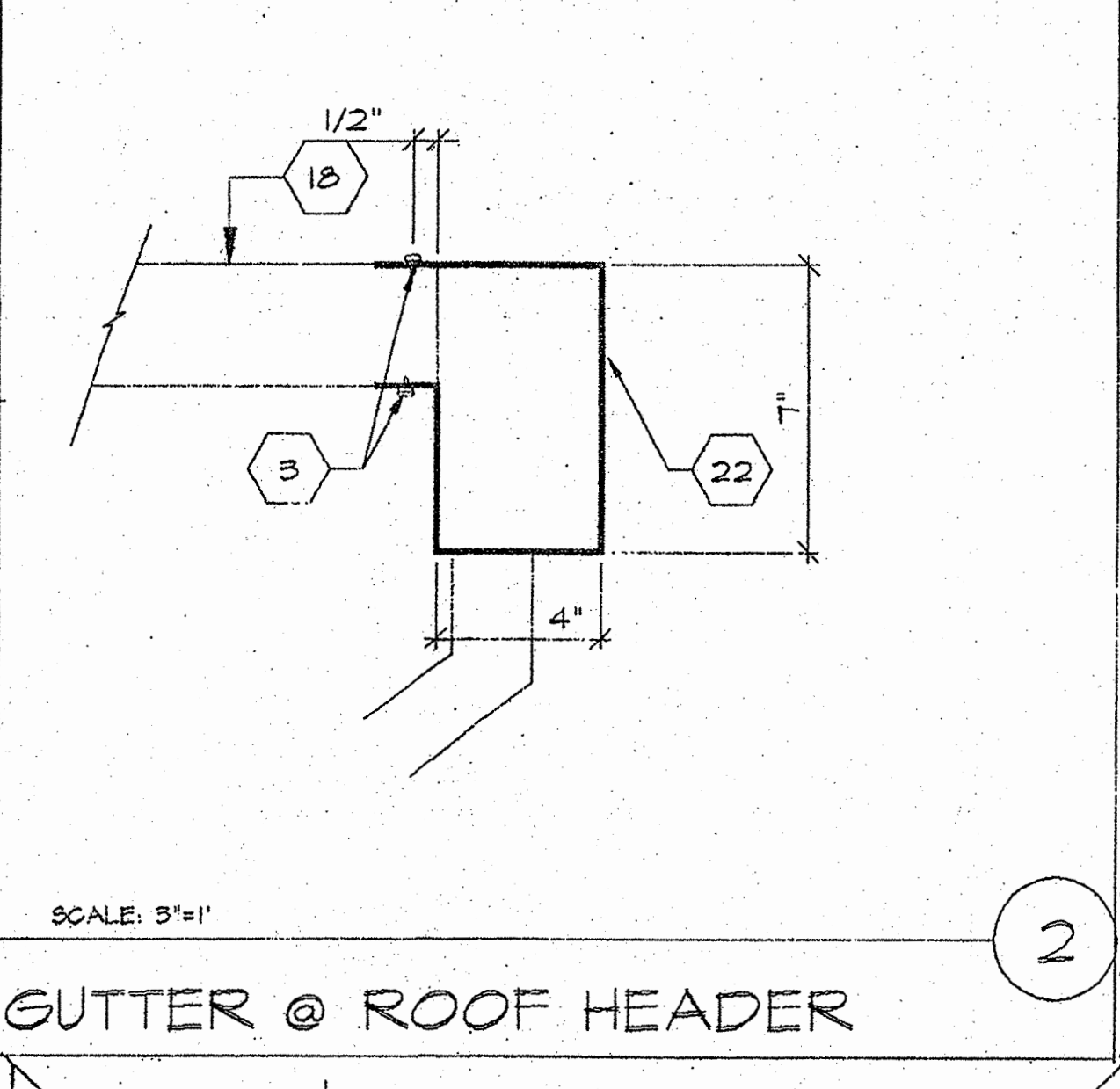
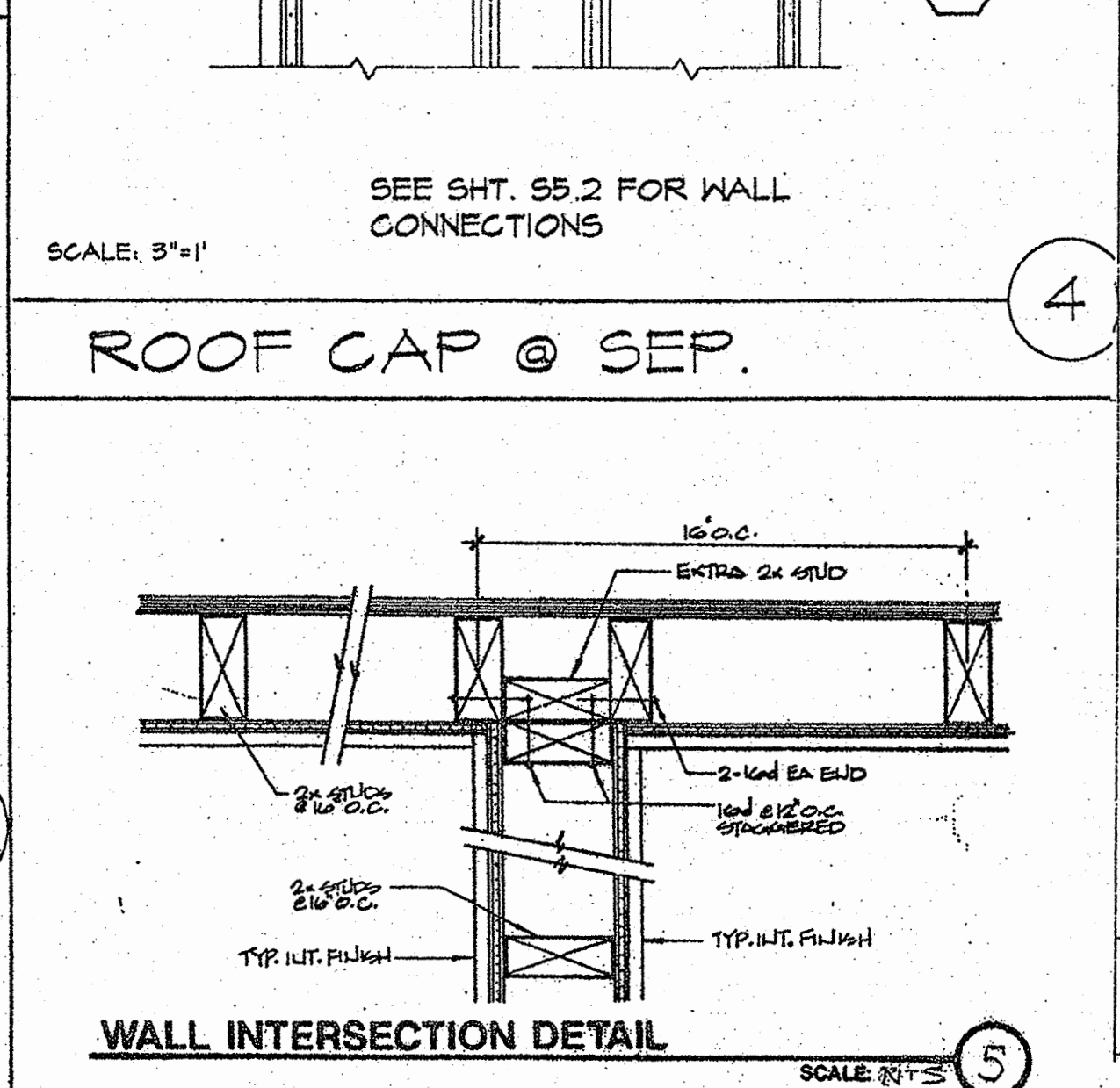
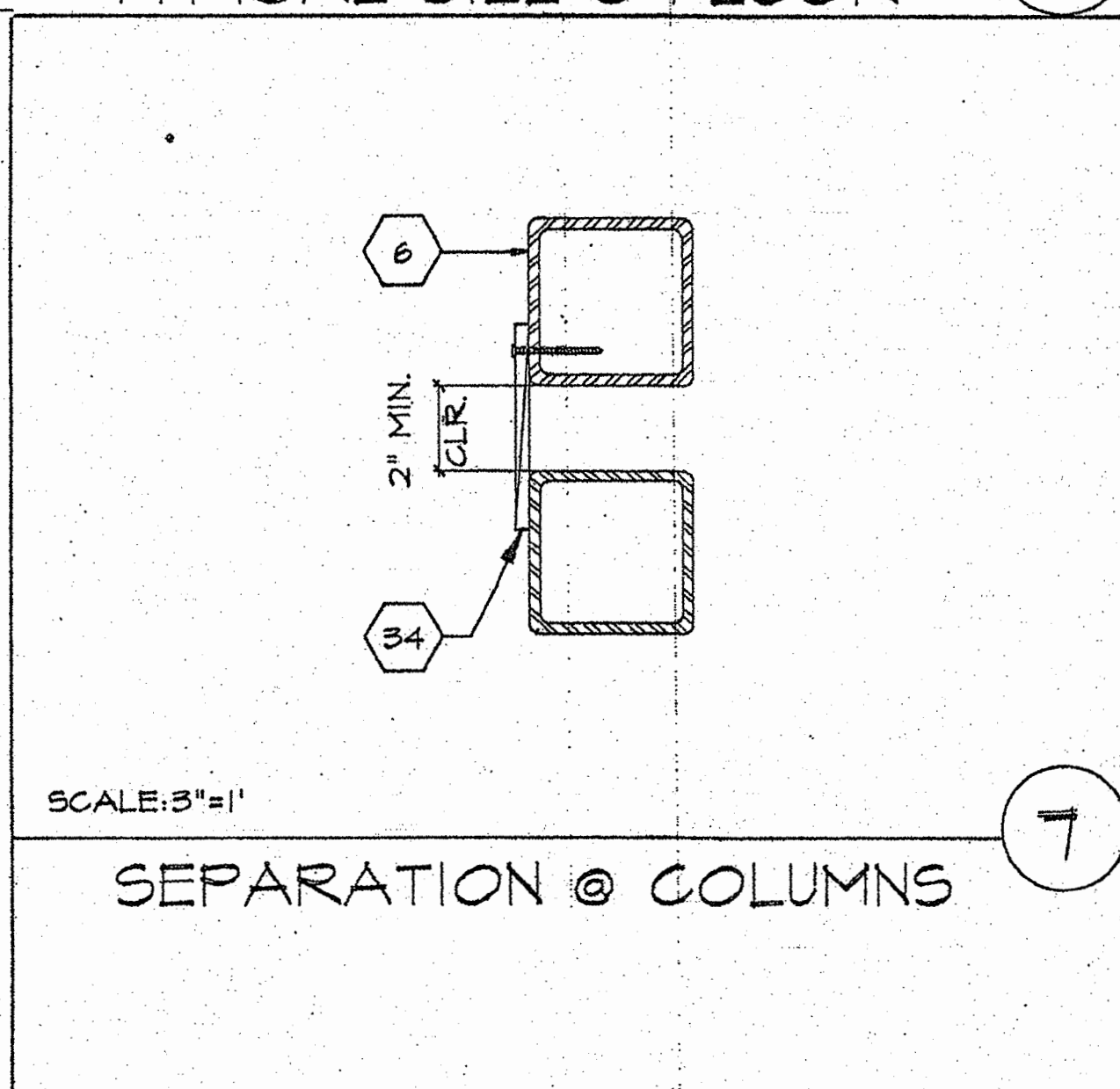
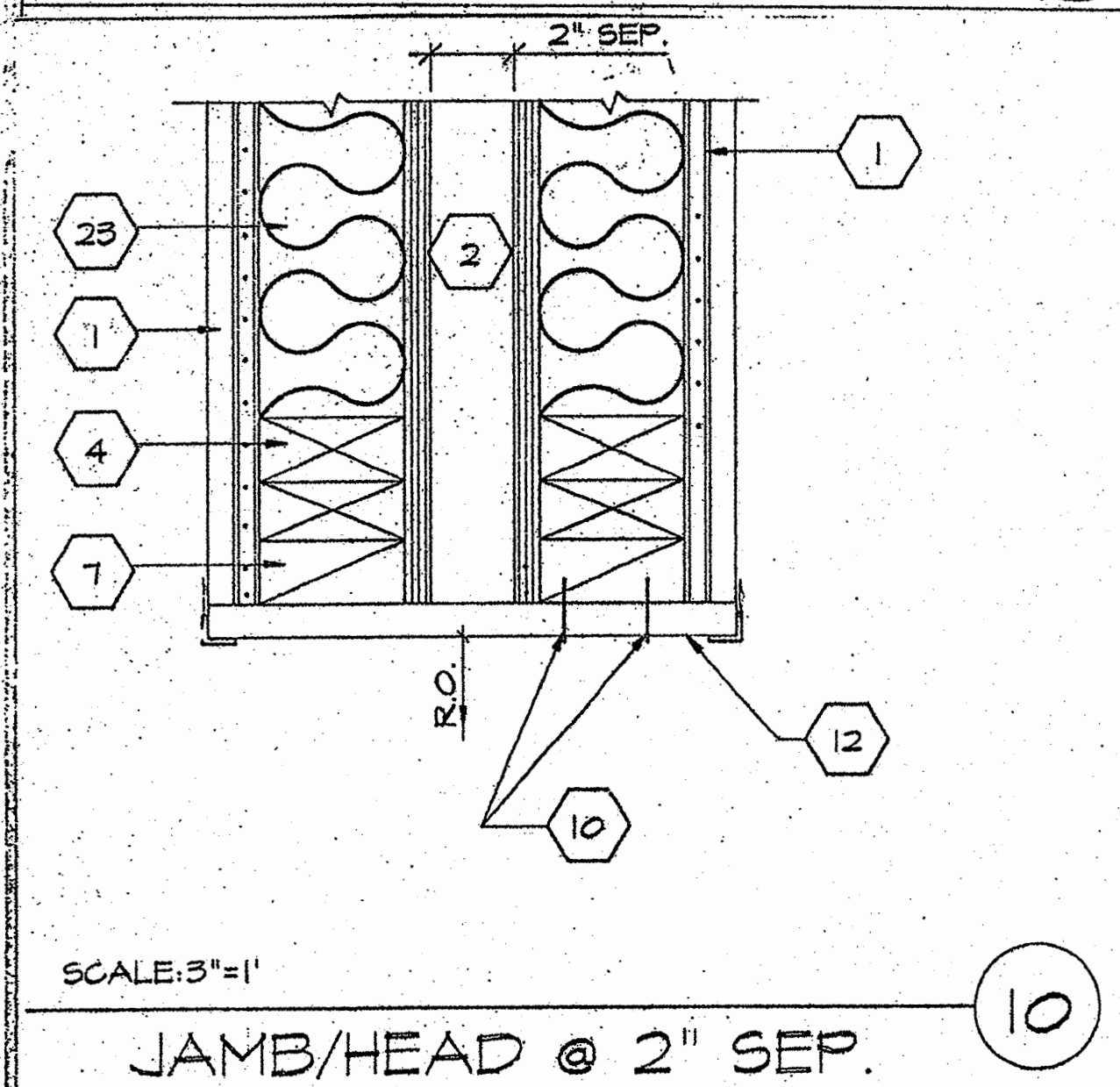
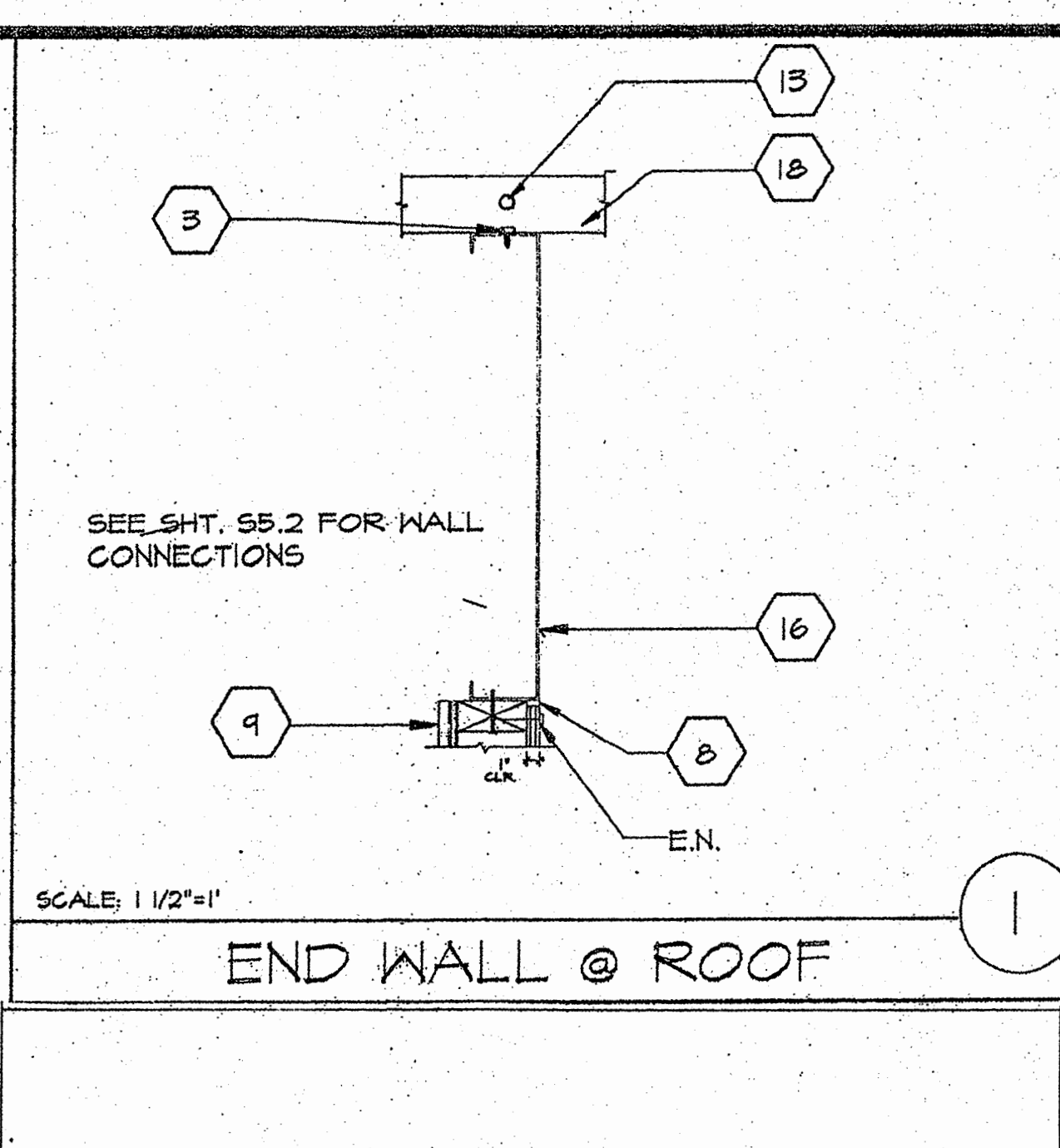
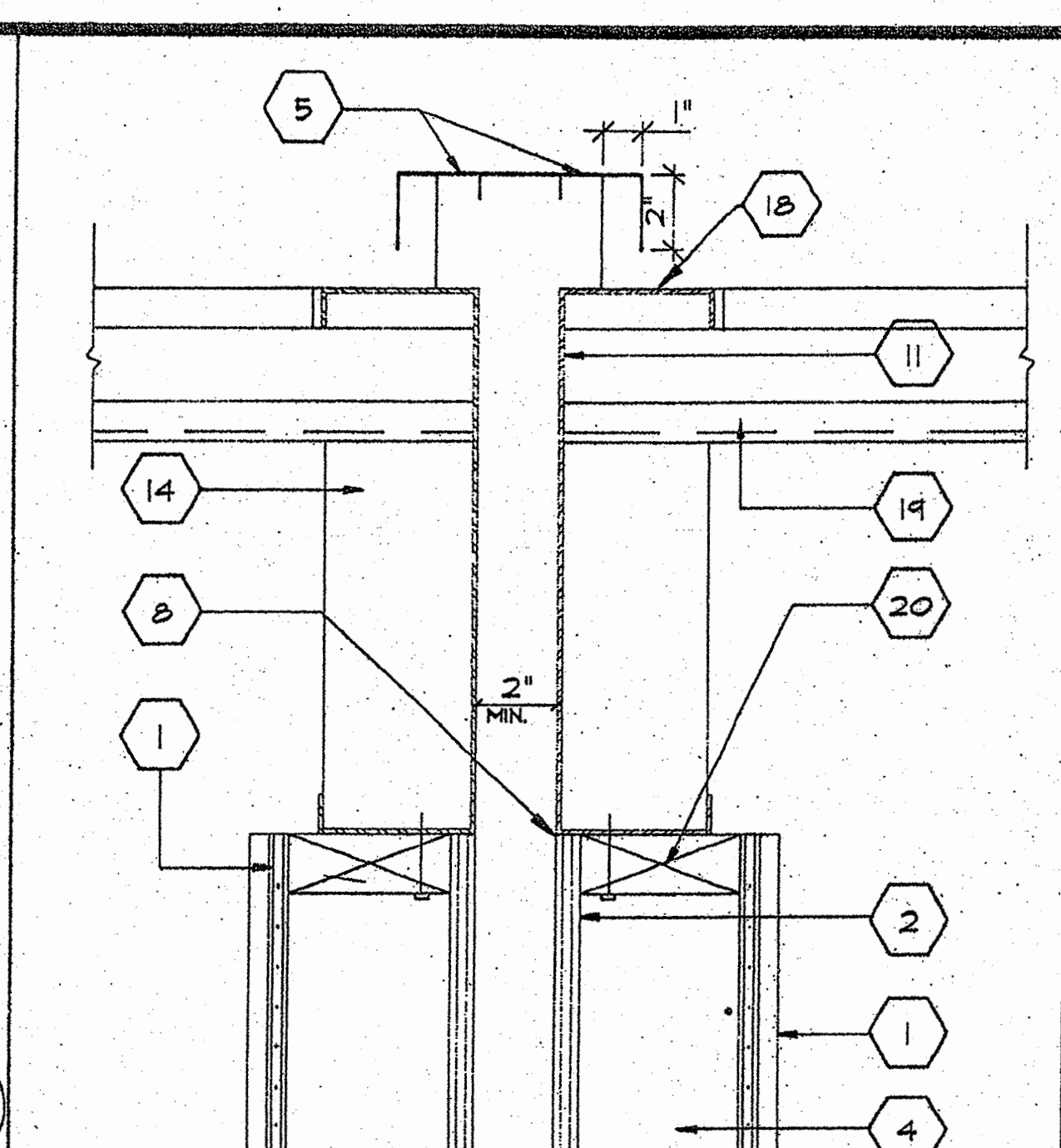
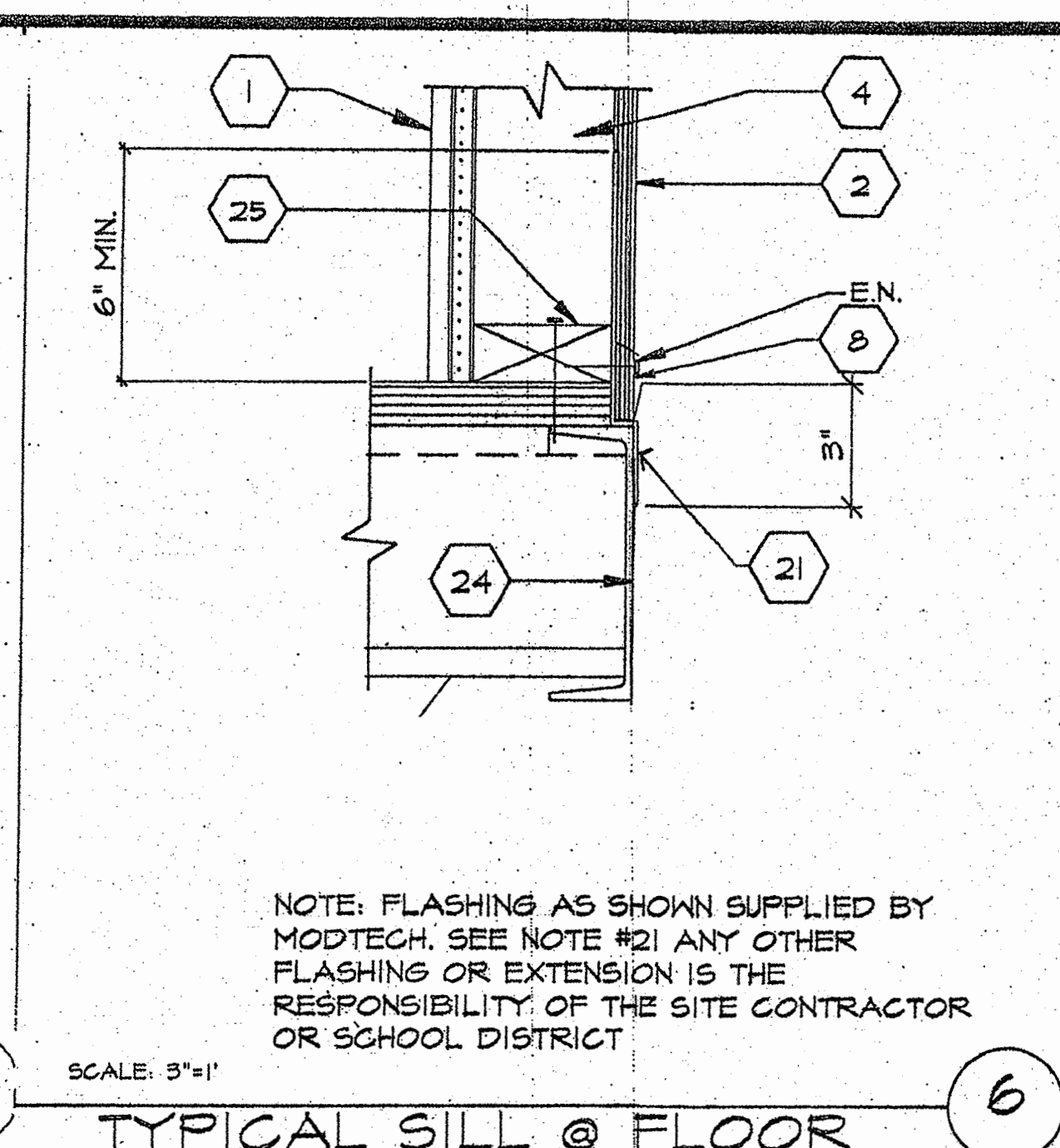
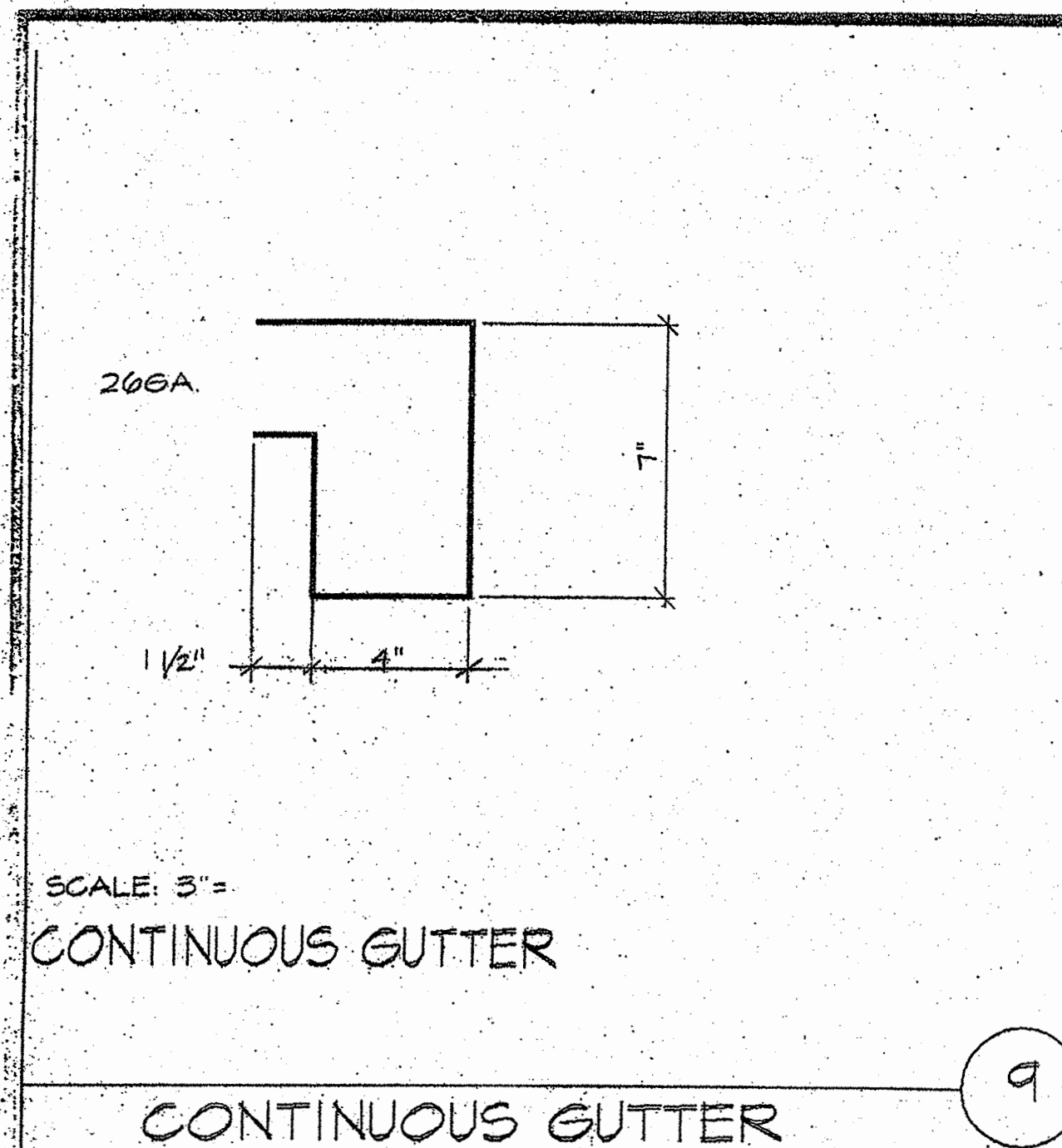
IDENTIFICATION STAMP
 ARCHITECT
 APPL 01-112222
 AUG 30 2011
 DATE 11/11/10

ARCHITECT ELECTRICAL STRUCTURAL MECHANICAL FIRE MARSHAL ACCESS COMPLIANCE STRUCTURAL SAFETY

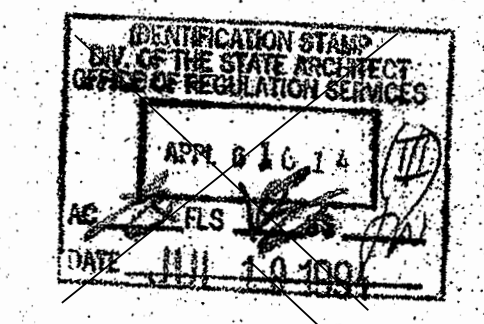


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4015-051
RTKR-12 CLSS-007

TYPICAL DETAILS A6.C

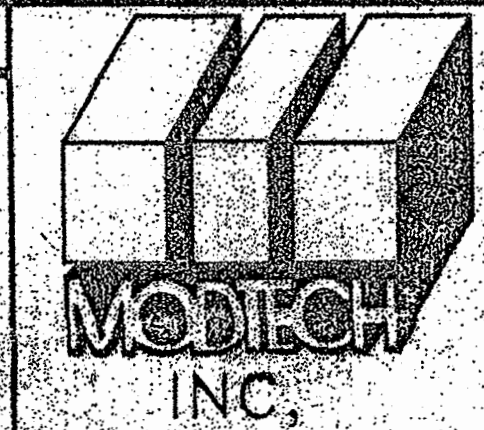
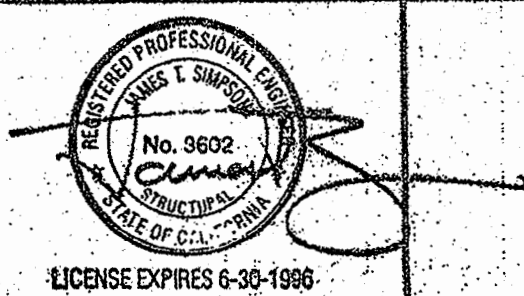


- NOTES
- 1 TYP. INTERIOR FINISH
 - 2 TYP. EXTERIOR FINISH
 - 3 #10 STMS W/EO WASHER @ MAX. 2' O.C.
 - 4 2X4 STUD TYP.
 - 5 CAP CLOSURE @ RIDGE 206A GALV. W/10 X 3/4" FASTENERS @ 48" O.C. W/NEOPRENE WASHERS TO SET BOTH SIDES OF CAP IN SEALANT.
 - 6 TUBE STEEL (SEE STRUCTURAL)
 - 7 2X4 TRIMMER FULL HEIGHT
 - 8 SEALANT TYP. (SEE SPECIFICATIONS)
 - 9 EXTERIOR WALL (SEE 95.2 FOR CONNECTIONS)
 - 10 2x4 FINISH NAIL @ 2' O.C. SET 4" ON GULL
 - 11 ROOF BEAM (SEE STRUCTURAL)
 - 12 IX JAMB PLATE
 - 13 (1) - #14 X 3/4" STMS W/NEOPREN WASHER THRU RIB @ HEADER 1 MAX. 32" O.C. TYP.
 - 14 FULL DEPTH STIFFENER PLATE (SEE STRUCTURAL FOR LOCATION)
 - 15 FLOATING THRESHOLD (ATTACH BY FIELD DIV)
 - 16 ROOF HEADER (SEE STRUCTURAL)
 - 17 G.I. FLASHING 226A
 - 18 STANDING SEAM ROOF (SEE 5/54.0)
 - 19 ROOF FURLIN (SEE STRUCTURAL)
 - 20 CONTINUOUS 2X4 TOP PLATE
 - 21 226A GALV. FLASHING
 - 22 CONTINUOUS 206A GUTTER
 - 23 INSULATION (SEE SPECS. FOR TYPE AND SIZE)
 - 24 FLOOR BEAM (SEE STRUCTURAL)
 - 25 2X4 SILL PLATE ATTACHED PER 4/55.2
 - 26 246A X 1 1/2" STRAP @ 48" O.C.
 - 27 ATTACHMENT BRACKET (TYP. 3-PLACES TOP/BTM. & MIDSPAN W/2" #10 STMS BRACKET TO COLUMN)
 - 28 POP RIVETS MIN. 1/8" Ø
 - 29 DOWNSPOUT
 - 30 BLOCKING BRACKET
 - 31 8" O.C. MAX SPACING
 - 32 ROOF STRAP (SEE ROOF PLAN)
 - 33
 - 34 266A TRIM ATTACH TO COLUMN ONE SIDE W/10 STMS @ 12" O.C. ALT. EXPANDED METAL CLOSE OFF

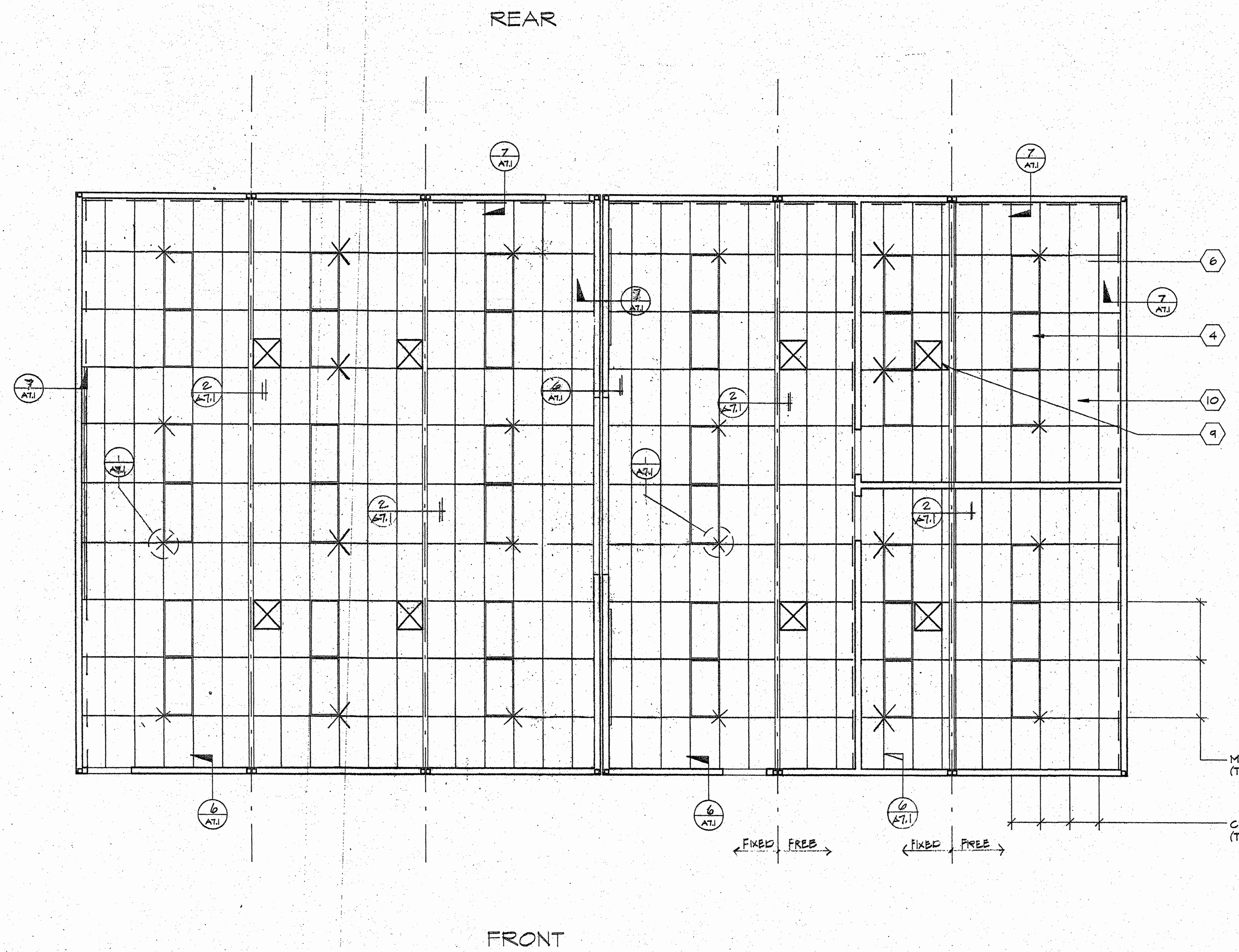


IDENTIFICATION STAMP
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 DATE AUG 30 2007

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY	JOB NO: 1967	© MODTECH INC. 1994	DRAWN BY
							CLASS LEASING	DATE: 4/2/94	CHECKED BY
							PORTION 3	DATE	
							4012-061		
							STKP-12		
							CLASS 007		



TYPICAL DETAILS A6

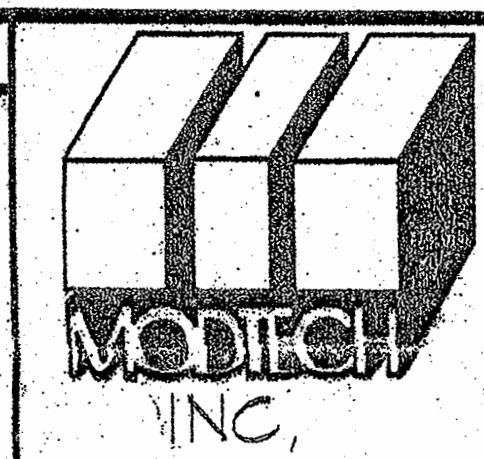
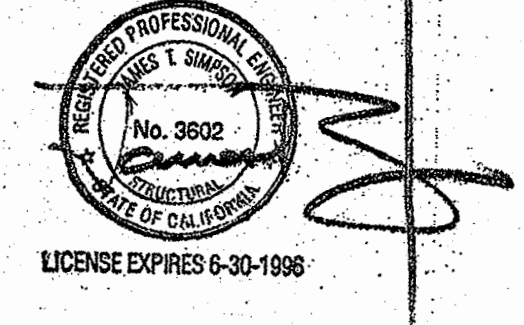


- NOTES**
1. MAIN RUNNERS ϕ 4'-0" #12GA. HANGER WIRES ϕ END OF EACH RUNNER.
 2. AT THE END OF ROWS OF RUNNERS A 12GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
 3. VERTICAL WIRES MORE THAN 1'-6" OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES.
 4. PROVIDE 2-12GA. BLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES. ATTACH FIXTURE TO GRID WITH #8 SHEET METAL SCREW AT EACH CORNER.
 5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS. OTHER WALLS NO ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL AT FREE END.
 6. CEILING AREAS SHALL HAVE 4-WAY SPLAYS PER DETAIL ON SHEET AT1 IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.
 7. MAIN RUNNERS: CHICAGO #1270, 4" CROSS TEE; CHICAGO #1254, 2" CROSS TEE; CHICAGO #1256 WALL ANGLE; CHICAGO #1420, HEAVY DUTY SYSTEM.
 8. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
 9. REGISTERS SHALL BE POSITIVELY ATTACHED WITH #4-10GA. SHEET METAL SCREWS (TYP.) @ EA. CORNER.
 10. CEILING PANELS: 2' X 4' LAY-IN PANELS, ASTM FLAME SPREAD CLASS 1 (0-25), FLAME SPREAD SMOKE DEVELOPMENT DENSITY LESS THAN 450.

- LEGEND**
- T & T BAR CEILING
 - 2'X4' ELEC. FIXTURE RECESSE
 - SUPPLY AIR DIFFUSER
 - RETURN AIR DIFFUSER
 - SPLAY WIRE 4 Way
 - INDICATES FREE SIDE (SEE DETAIL 6A/AS.0)
 - INDICATES FIXED SIDE (SEE DETAIL 6B/AS.0)

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 APPL 01-112222
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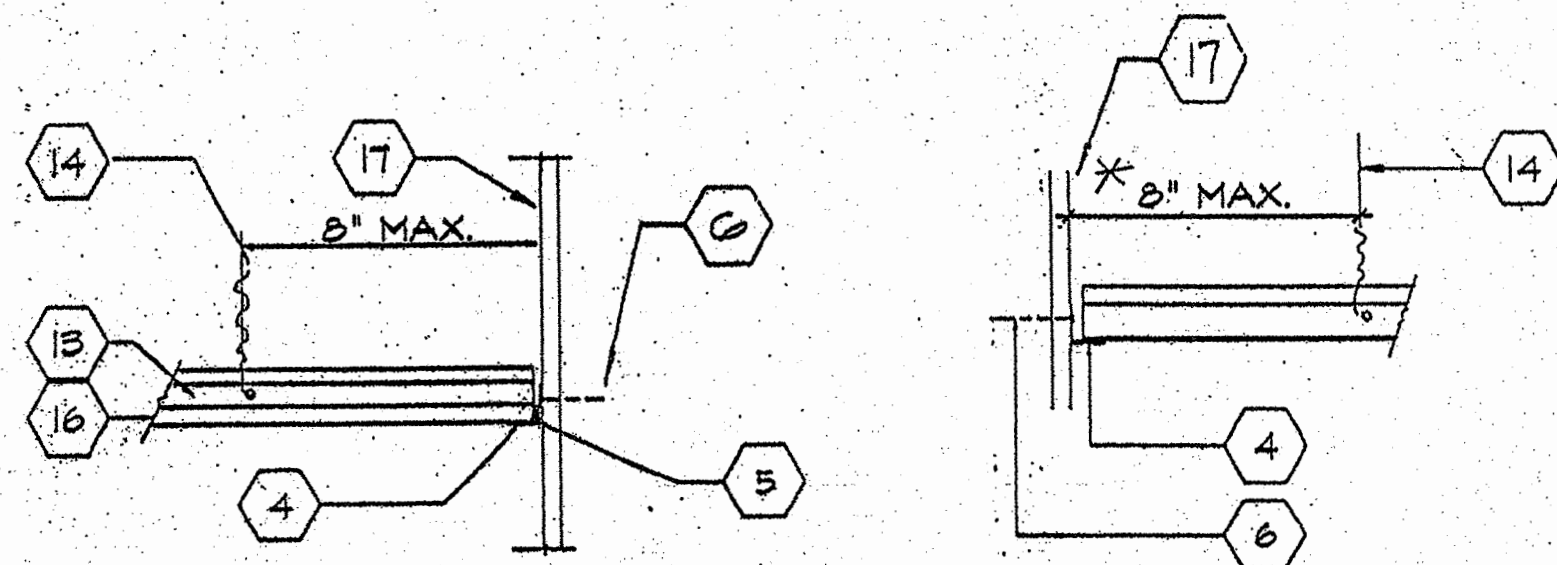


JOB NO. 1967
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 PORTION 3
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 STKP-15 CLSS.007

REFLECTED CEILING PLAN AT

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 DATE

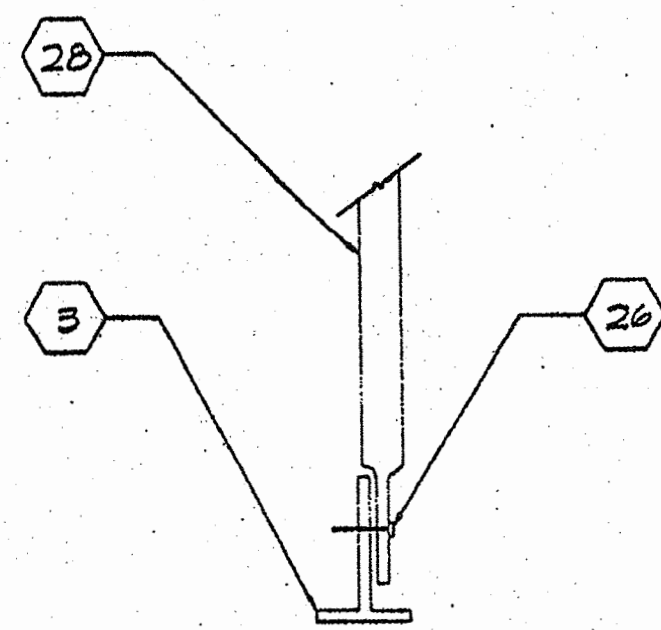
*OR 1/4 LENGTH OF THE END TEE
WHICHEVER IS LEAST



ALTERNATE

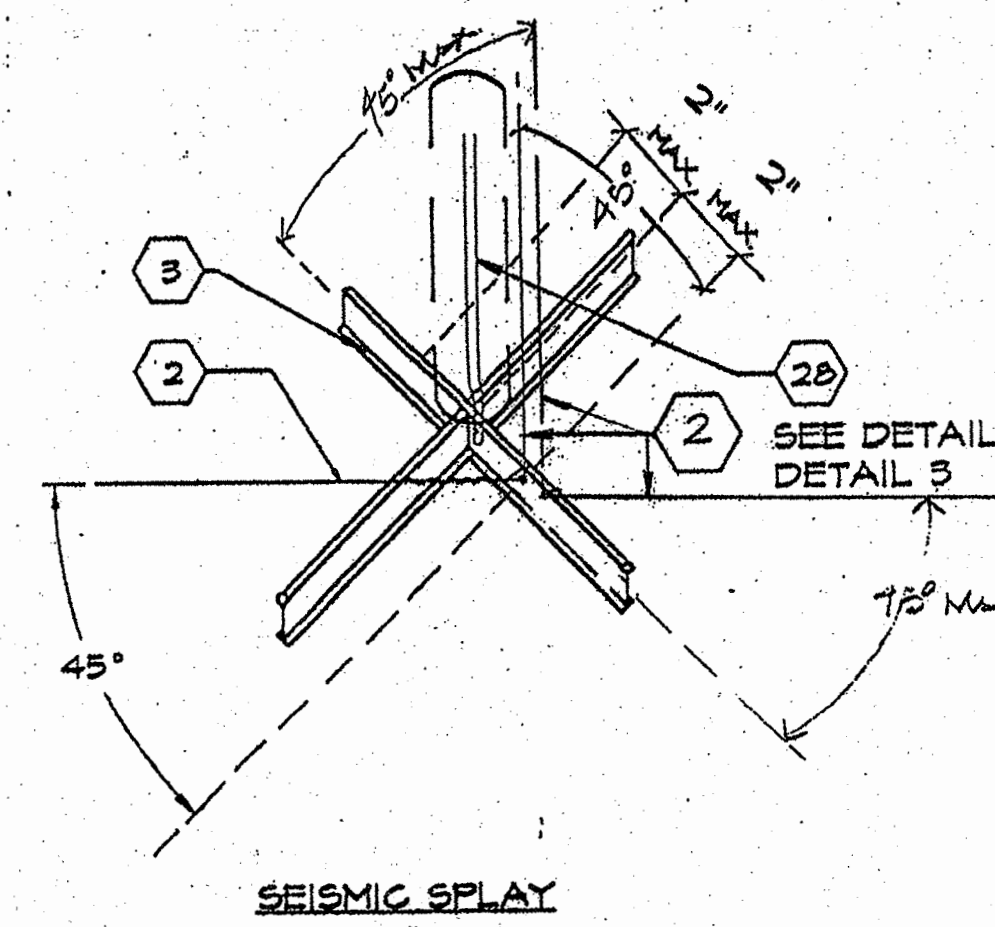
TYPICAL FIXED SIDE

7



NOTE: CONDUIT MAY BE CRIMPED ON EITHER
SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION
ALT. CONN. @ BOTTOM

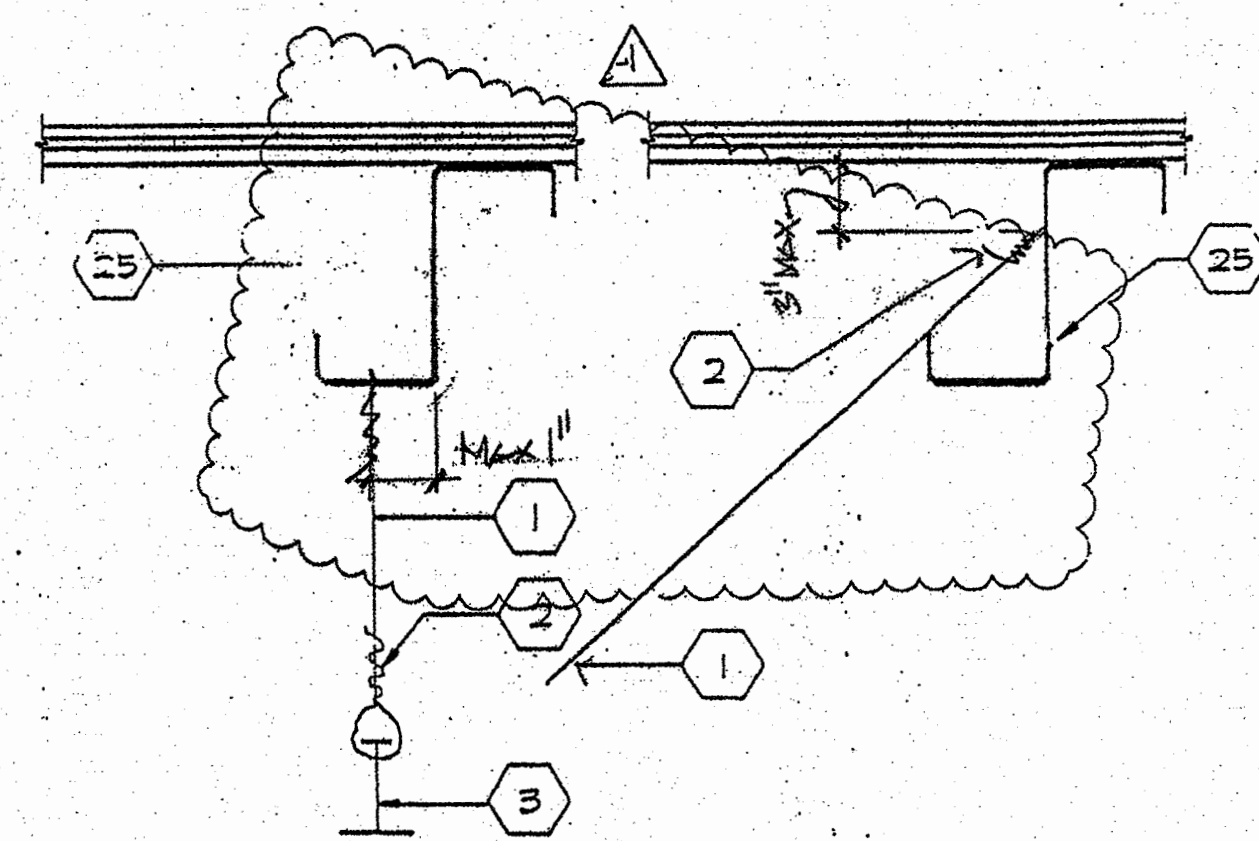
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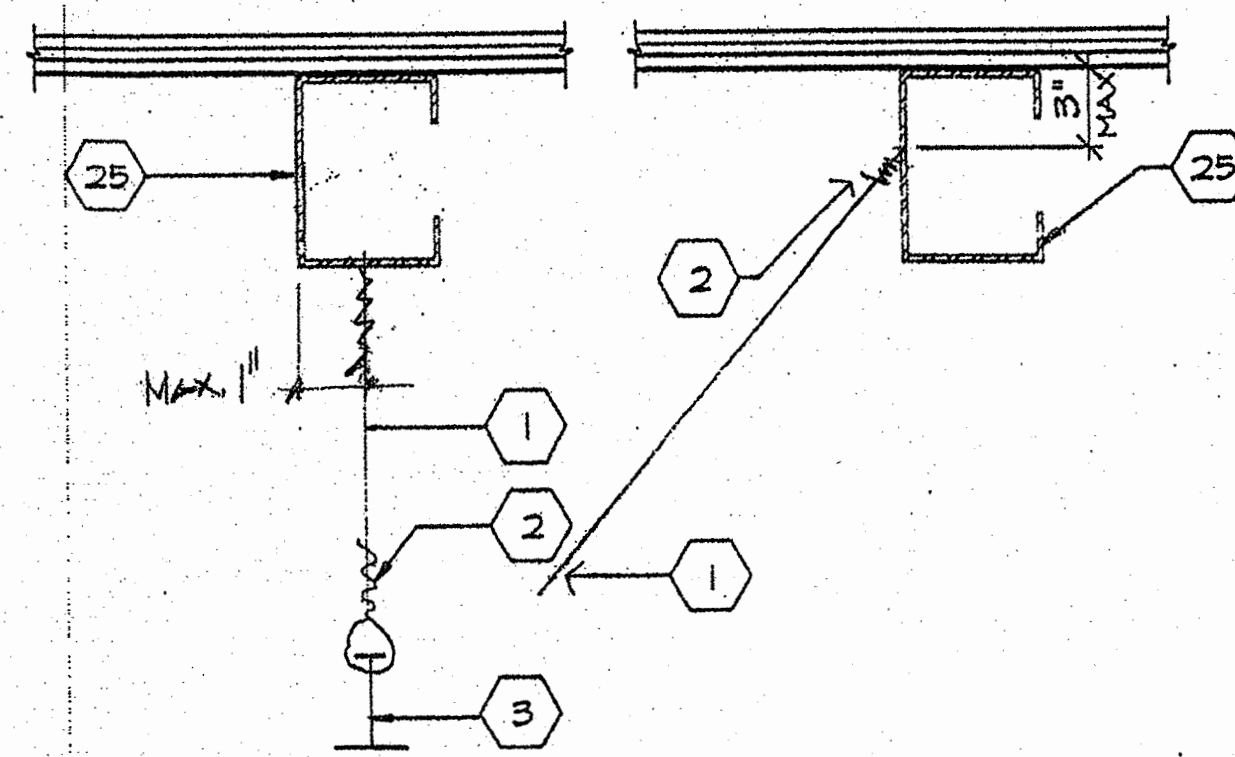
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NOTES

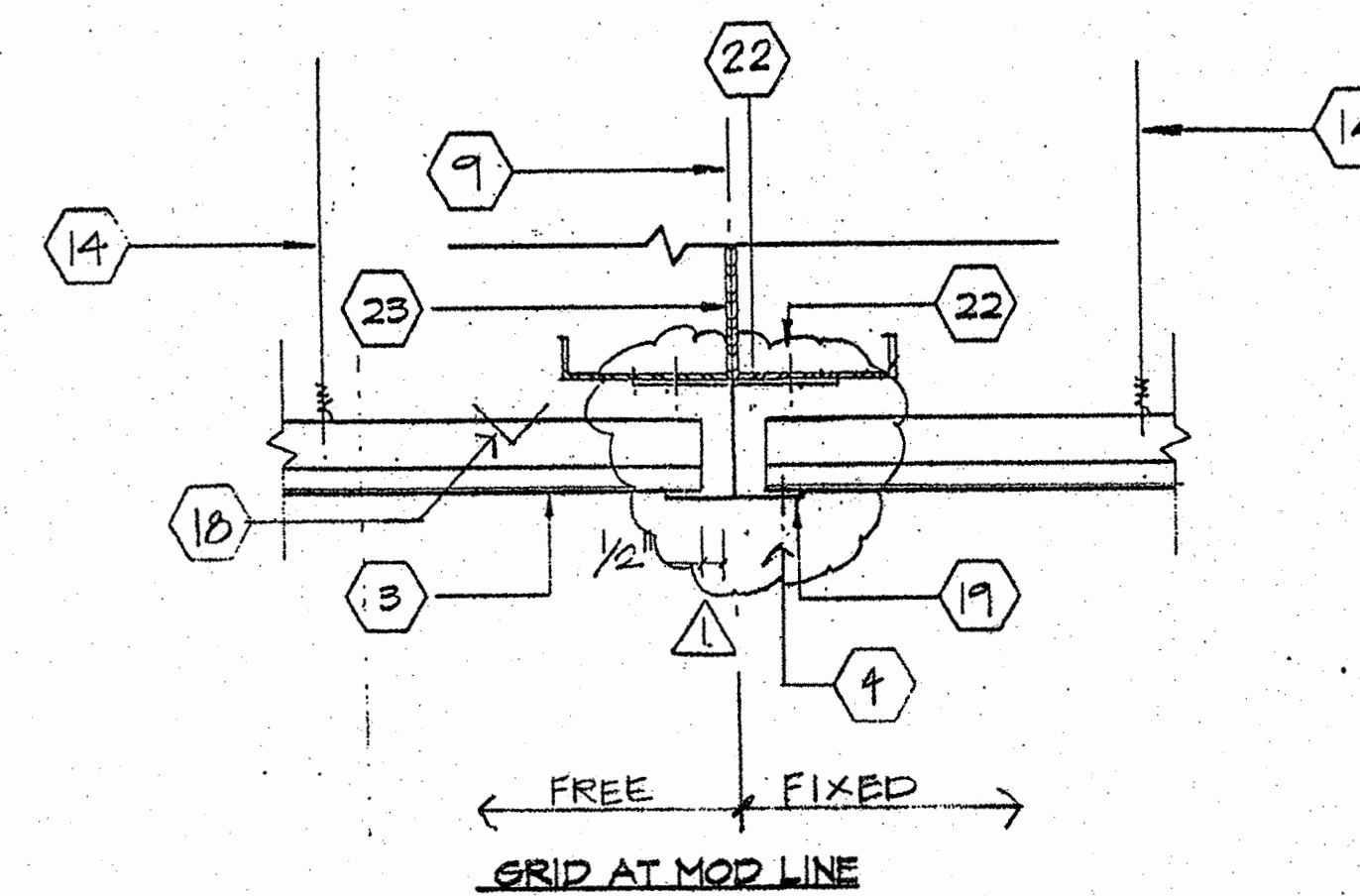
- 1 1/2GA. HANGER WIRE IN PUNCHED OR DRILLED HOLE
2-HOLES MIN. 1" APART
- 2 1/2GA. WIRE WITH 4 WRAPS IN 1/2" (TYP.) WIRE TO
RUN PERPENDICULAR TO MAIN TEE
- 3 MAIN RUNNER
- 4 1/8"Ø POP RIVET TO EACH T-BAR
- 5 WALL ANGLE 1 5/16 x 1 5/16 x 22GA. L
- 6 6d 16"Ø FRAMING TO WALL STUD
- 7 ANGLE WITH 1/8"Ø POP RIVET TO EACH T-BAR NO
CONNECTION TO WALL ANGLE
- 8 TOP PLATE
- 9 MODLINE
- 10 3"x1/4"Ø EYED SCREW
- 11 HANGER TO WALL WHERE NO RAFTER ABOVE
MAX SLOPE 1" IN 6"
- 12 MAIN TEE CLOSURE - NOT USED
- 13 CROSS TEE
- 14 1/2GA. HANGER WIRE AT THE END ON EACH RUNNER
MIN. 4 WRAPS IN MAX 1/2"
- 15 MAIN RUNNERS OR CROSS TEES
- 16 ACOUSTICAL BOARD
- 17 FINISH WALL
- 18 HORIZONTAL STRUTS SHALL RUN CONTINUOUS AT ALL
PERIMETERS, NOT POP RIVETED TO THE WALL ANGLE
USE 6d RING SHANK NAIL TO EA TEE
- 19 2x4GA. C x 2" FREE SIDE
- 20
- 21
- 22 #8 TEK SCREW @ MAX 24" O.C.
- 23 ROOF BEAM (SEE STRUCTURAL)
- 24 NOT USED
- 25 ROOF PURLIN (SEE STRUCTURAL)
- 26 CRIMP CONDUIT AND ATTACH TO T-BAR GRID W/#8
TEKSCREWS
- 27 CRIMP CONDUIT TO RAFTER W/#8 TEKSCREW
- 28 3/4" E.M.T. CONDUIT
- 29 #8 TEKSCREW



ALTERNATE FOR DETAIL 5

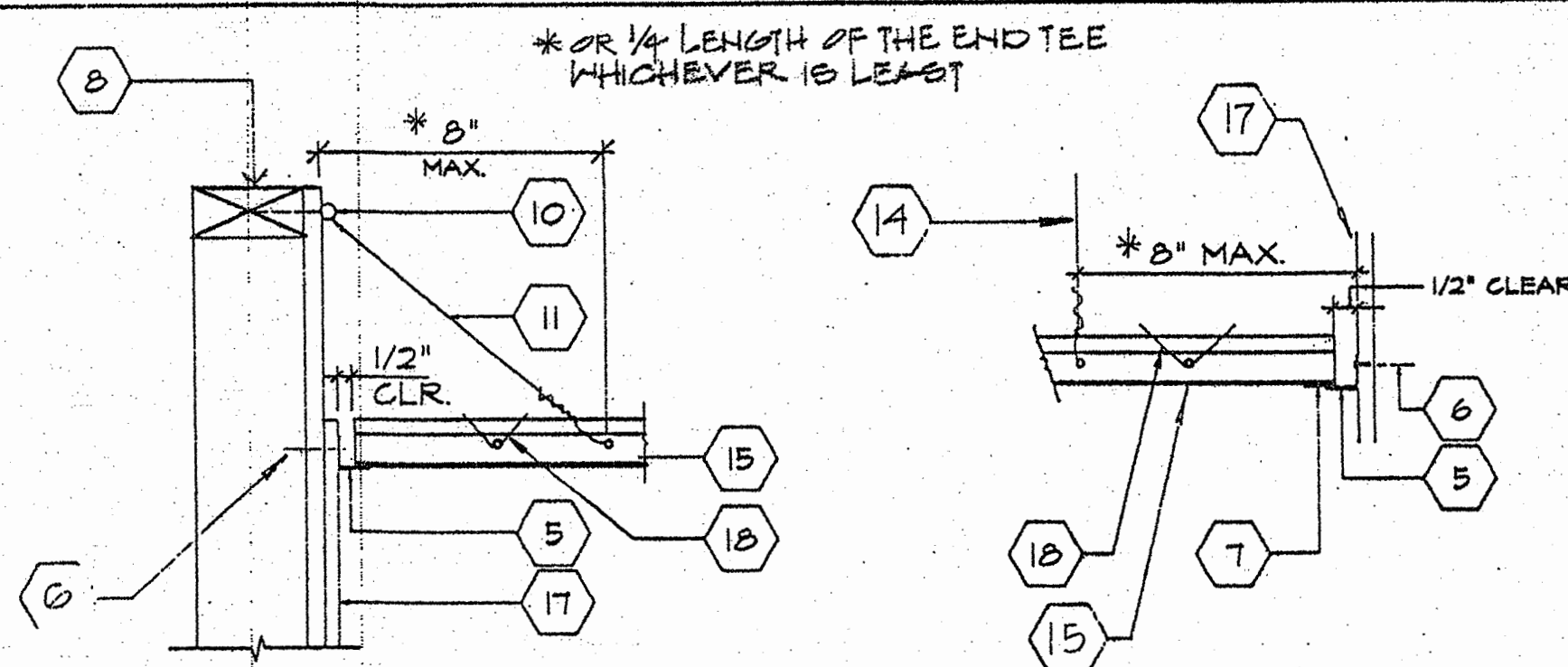


5



SCALE 3/8"=1"

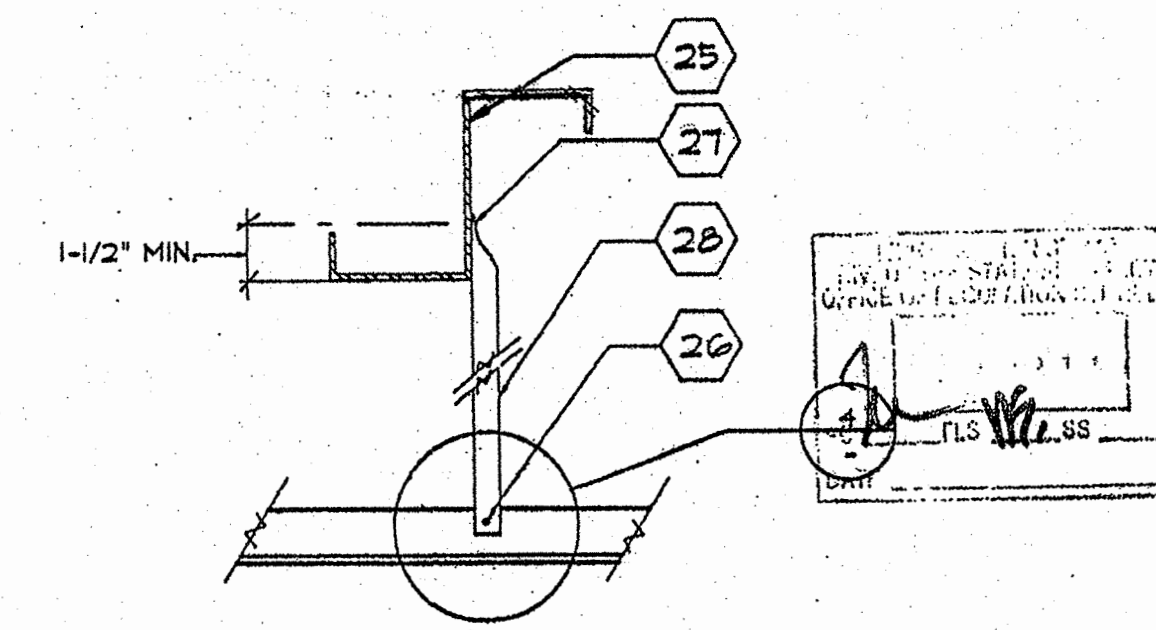
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ALTERNATE

TYPICAL FREE SIDE

6



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE
OF T-BAR DEPENDING UPON CONDITION & LOCATION

3

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ARCHITECT

ELECTRICAL

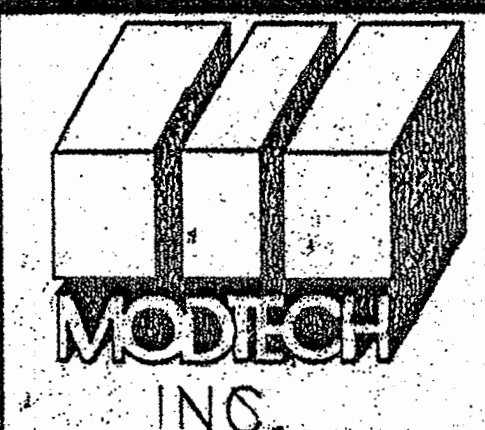
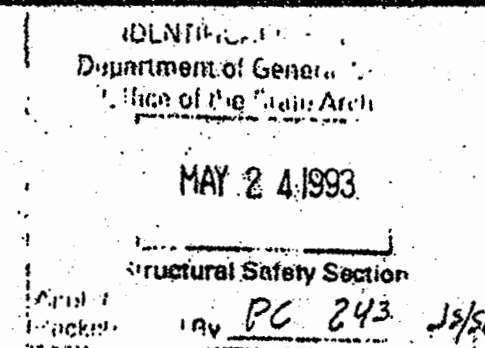
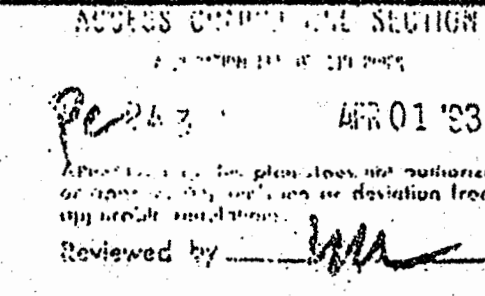
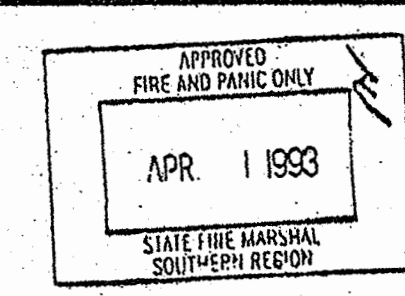
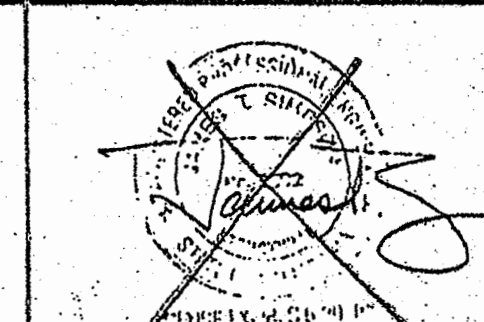
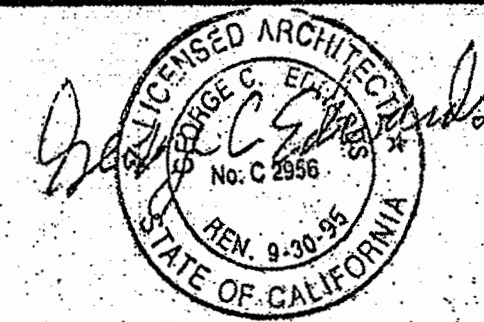
STRUCTURAL

MECHANICAL

FIRE MARSHAL

ACCESS COMPLIANCE

STRUCTURAL SAFETY



1-247400 JOB NO. 1984
27-247400 JOB NO. 1987

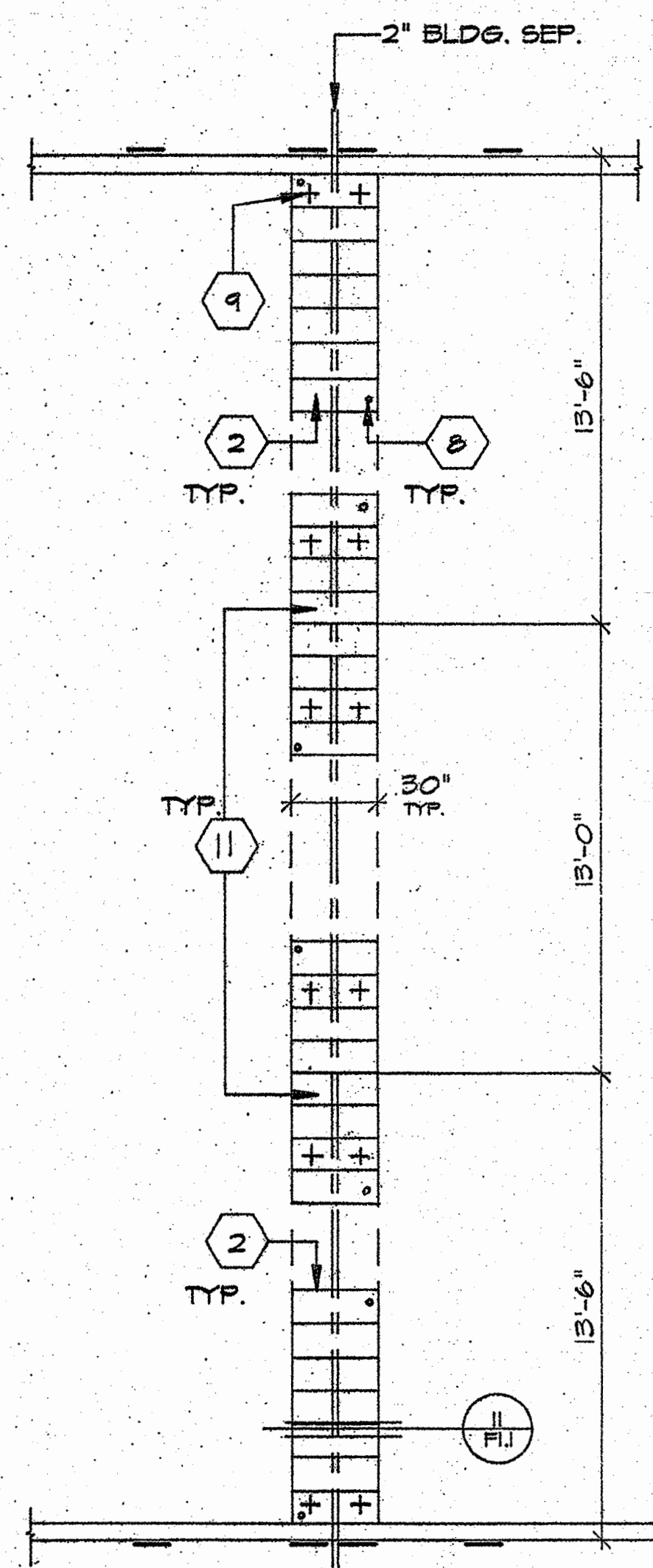
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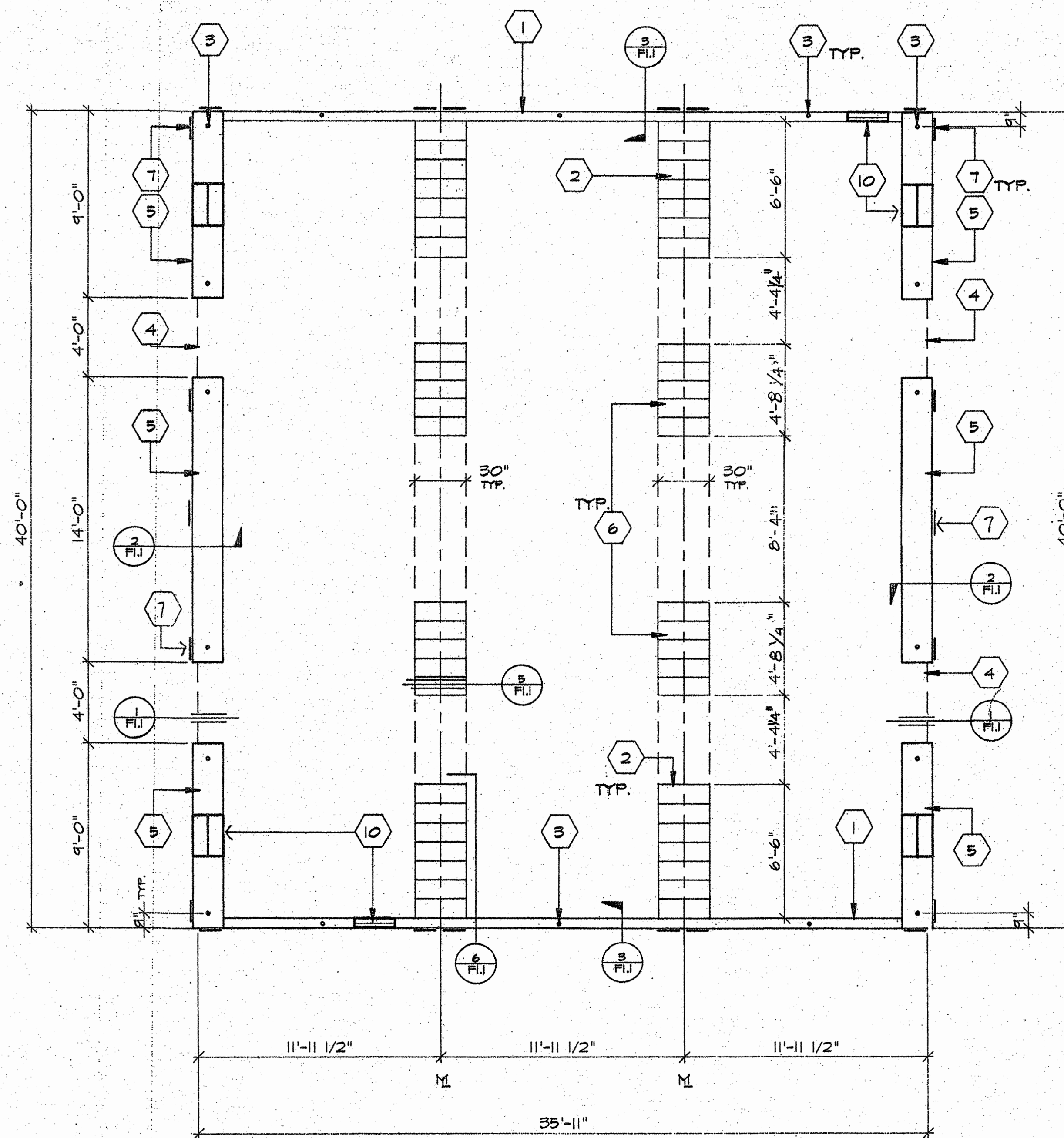
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ATKP-12 CLASS 007

REFLECTED CEILING DETAILS

A7



PAD FTG'S AT ADJ. BLDG.



FOUNDATION (WOOD SILL)

SCALE 1/4"=1'-0"

FOUNDATION VENTS
 BUILDING AREA = 1440 SQ.FT.
 VENTS REQ'D = 1440 SQ.FT. / 150 = 9.6 SQ.FT.
 VENTS = 9'0" x 4 1/2" = 216 x 9 = 204 / 144 = 6.0 SQ.FT.
 2'4" x 4 1/2" = 108 x 6 = 648 / 144 = 4.5 SQ.FT.

NOTES

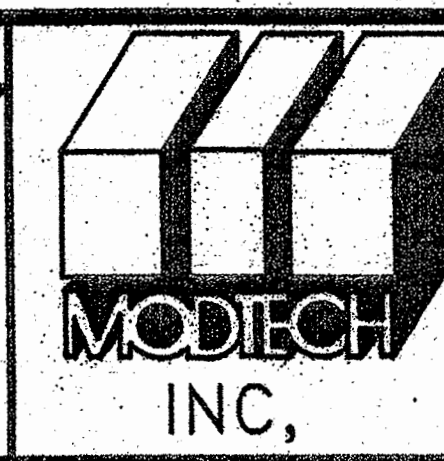
- 1 2"x4" SILL PLATE
- 2 7 - 2X12X30' LONG
- 3 PIPE TO GRADE (TYP)
- 4 1/2" HIGH BY - LONG VENT
- 5 2X12 SILL PLATE
- 6 5-2X12 SILL PADS
- 7 6"x12"x10 GA. PLATE
- 8 1" Ø PIPE EA. END EA. PAD AT ADJ. BLDG. LINE
- 9 5/8" Ø X4" LAG (6-PER BLDG. MIN.)
- 10 2'X4 1/2" VENT (SEE NOTE #15 F.I.I.)
- 11 8 - 2X12 X 30' LONG

GENERAL NOTES:

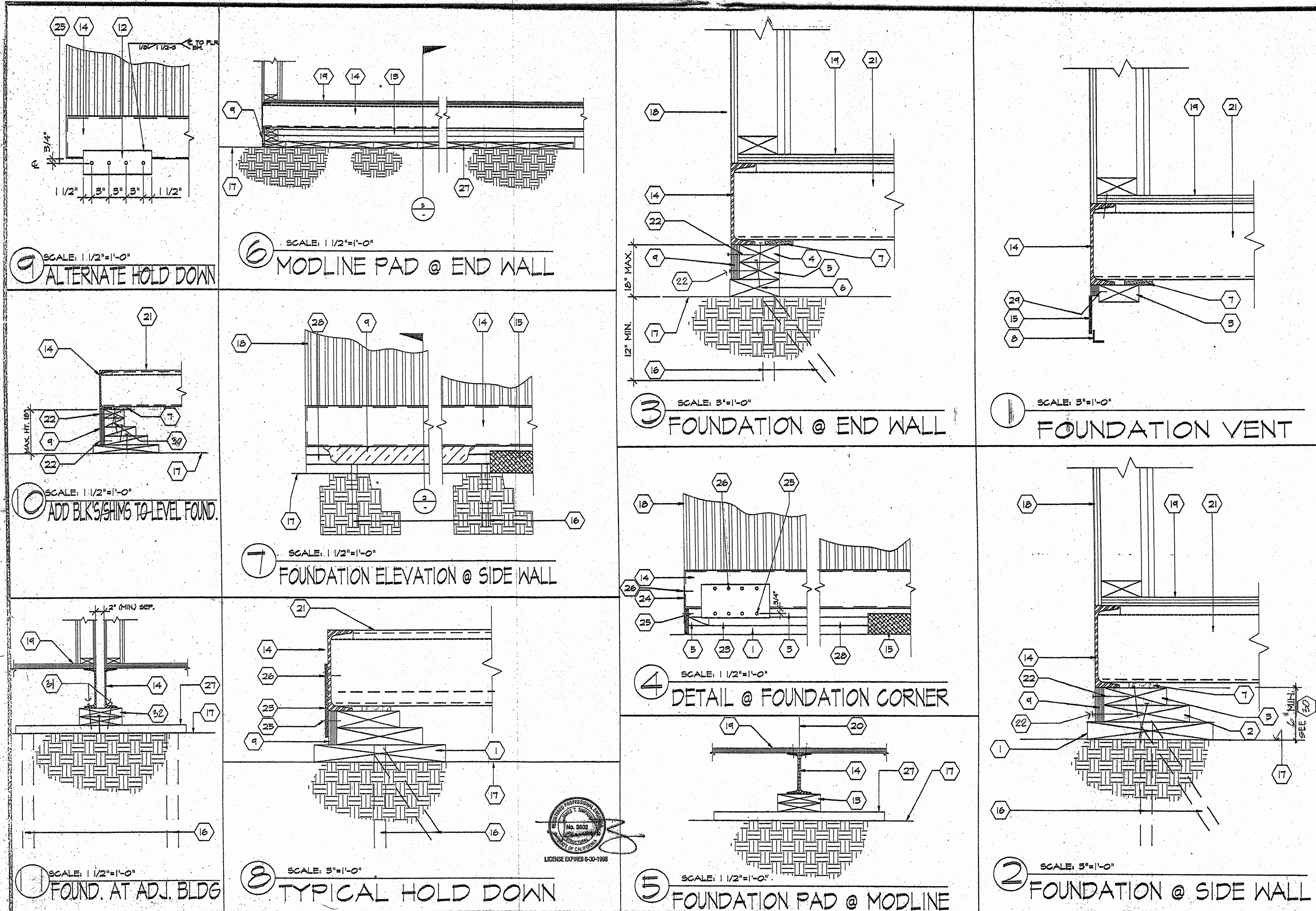
- A. SOIL RESTRAINT, ON A.C. PAVING AND ON SOIL 1" O.D. GALVANIZED PIPE AT 10'-0" 12" PENETRATION BELOW SURFACE VERTICALLY, DRILL SILL 1-1/4" MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (10-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE.)
- B. ON CONCRETE PAVING HILTI DS 82-PIO THRU SILL PLATE:
 END WALLS: 8" O.C.
 SIDE WALLS: 22" O.C.
- C. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2", OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK, P.T.
- D. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE WITH DISTRICT ARCHITECT SITE PLANS
- E. ALL FOUNDATION MATERIAL SHALL BE HEIM FIR
 GROUND CONTACT: LP-22
 ABOVE GROUND: P.T. NOT REQ'D

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 FOUNDATION WOOD F.I.O.
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 DATE



NOTES

- 1 2X12 SILL PLATE SEE FOUND. PLAN FOR LENGTH
- 2 2X8 TOP PLATE W/6d @ MAX 4" O.C. TO SILL PLATE
- 3 2X6 CONT. TOP PLATE W/6d @ MAX 12" O.C.
- 4 2X8 TOP PLATE CONT. W/6d @ MAX 12" O.C.
- 5 2X8 BLOCKING W/6d MAX 4" O.C. TO SILL PLATE
- 6 2X4 CONT. SILL PLATE
- 7 5/8" X 2 1/2" SHIM (WHEN REQ.)
- 8 ANGLE
- 9 MIN. 3/8" PLYWOOD SHIRTING W/6d BOX @ MIN. 6" O.C. @ END WALLS & 6" O.C. @ SIDE WALLS E.N. & TYP. 12" O.C. FN.
- 10 ADD BLK'NG OR SHIMS AS REQ. TO MAX. HT. SEE DETAIL #2
- 11 MIN. FOUNDATION HEIGHT SEE DETAIL #2
- 12 10GA. PLATE 4" X 12"
- 13 2X8 BLK'NG FACE OR TOE NAIL 16d @ MAX 12" O.C. ADD BLK'S. OR SHIMS AS REQ'D
- 14 FLOOR FRAME BEAM SEE STRUCTURAL
- 15 VENT SCREEN SEE FOUNDATION PLAN FOR SIZE AND LOCATION
- 16 SILL RESTRAINT 1" φ PIPE SEE FOUND. FOR LOCATION
- 17 FINISH GRADE
- 18 EXTERIOR FINISH
- 19 PLYWOOD SUBFLOOR
- 20 MOD-LINE
- 21 FLOOR JOIST
- 22 EN SEE NOTE #4
- 23 6" X 12" X 10 GA. PLATE W/4 #10 SMS TO FLR. & 4-1/4" X 3" LAG TO FOUND. TOP PLATE
- 24 6" X 12" X 10 GA. PLATE
- 25 1/4" φ X 3" LG. LAG SCREW TYP. 4-PLACES
- 26 #10 S.T.S. TYP. 4-PLACES
- 27 2X12X2-6" SILL PLATE SEE FOUND. PLAN FOR QUANTITY REQ'D
- 28 2X8 BLK'NG W/6d @ MAX. 6" O.C. MIN. 3 PER BLOCK (MAY VARY ACCORDING TO SITE)
- 29 10d GALV. BOX NAIL @ MAX. 4" O.C.
- 30 INSERT REQ'D 2X4 BLK'NG OR PLYWD. SHIM W/6d @ 12" O.C. FACE NAIL
- 31 6-5/8" LAG BOLT X 4" SEE FOUNDATION PLAN FOR LOCATION
- 32 2X8 BLK'NG FACE NAIL 16d @ MAX. 4" O.C.

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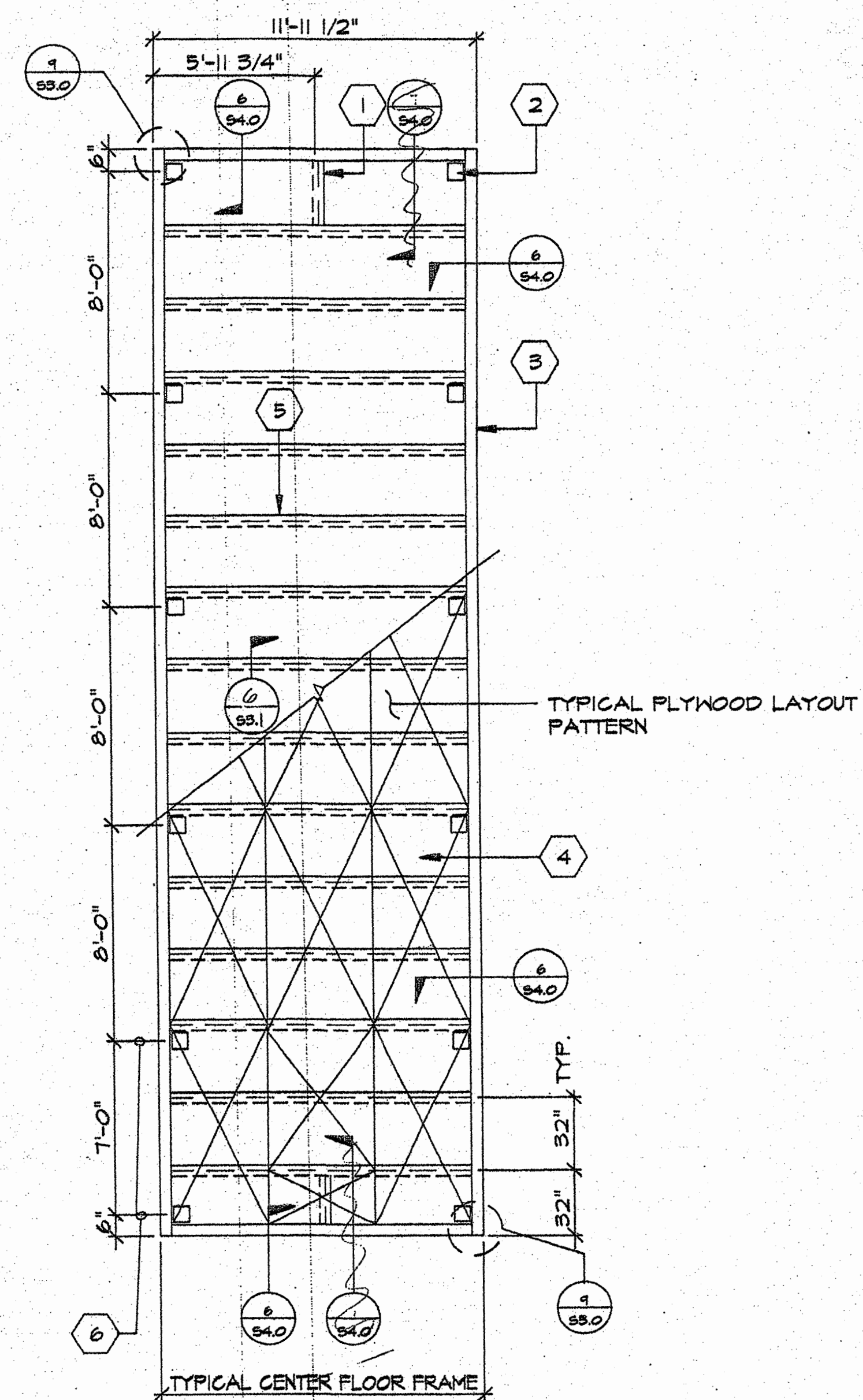
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4012-061
BTKR-12 CLSS.007

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FOUNDATION DETAILS



FLOOR JOIST TABLE

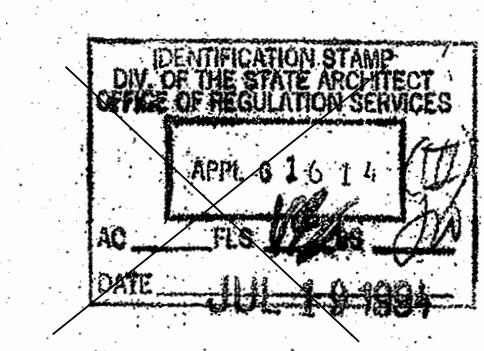
LIVE LOAD	6 3/8" X 2 1/2" X 12 GA.
50 P.S.F.	48" O.C.
50 P.S.F. W/ 20 P.S.F. PARTITIONS	32" O.C.
100 P.S.F.	24" O.C.
125 P.S.F.	16" O.C.

NOTES

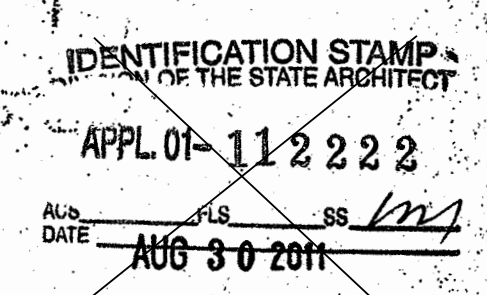
- 1 6 3/8" x 2 1/2" x 12 GA. BLOCKING AT MIDSPAN OF FLOOR HDR. TYPICAL
- 2 5" Ø HAND HOLES AT BOLT BM TO BM (12 PLACES)
- 3 C 7X9.B PERIMETER CHANNEL (TYPICAL)
- 4 PLYWOOD FLOOR SHEATHING: APA PS-1-B3 1 1/2" THICK, STURD-I-FLOOR W/48" O.C. SPAN RATING, ATTACHED W/10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. SUPPORTED EDGES AND 12" O.C. FIELD TO JOIST. (TYPICAL)
- 5 6 3/8" x 2 1/2" x 12 GA. FLOOR JOIST
- 6 TYPICAL BOLT HOLE LOCATION (SEE FOUND. DETAILS)

GENERAL NOTES

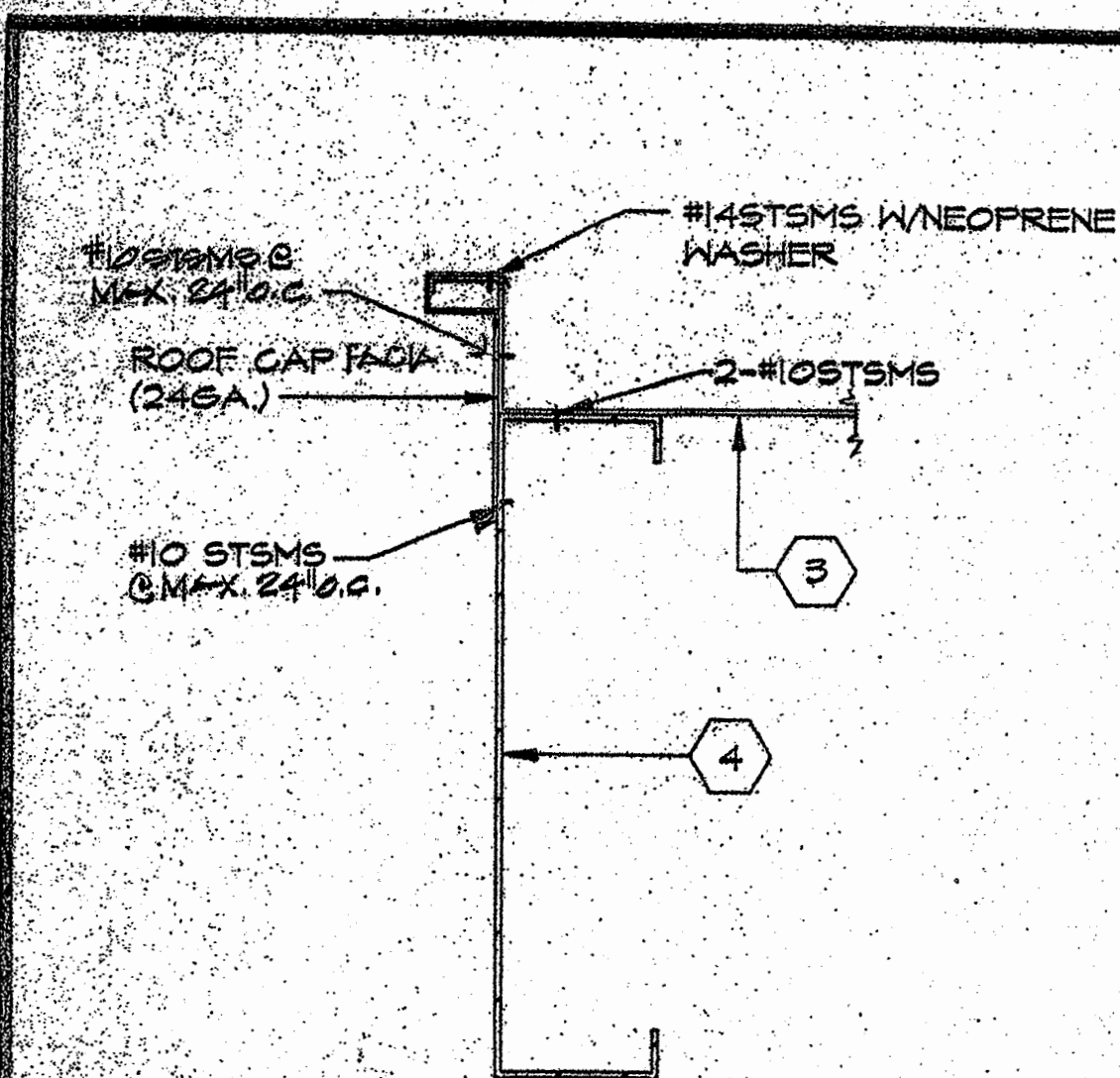
A. FOR L.HAND & R.HAND FRAME SEE S1.0



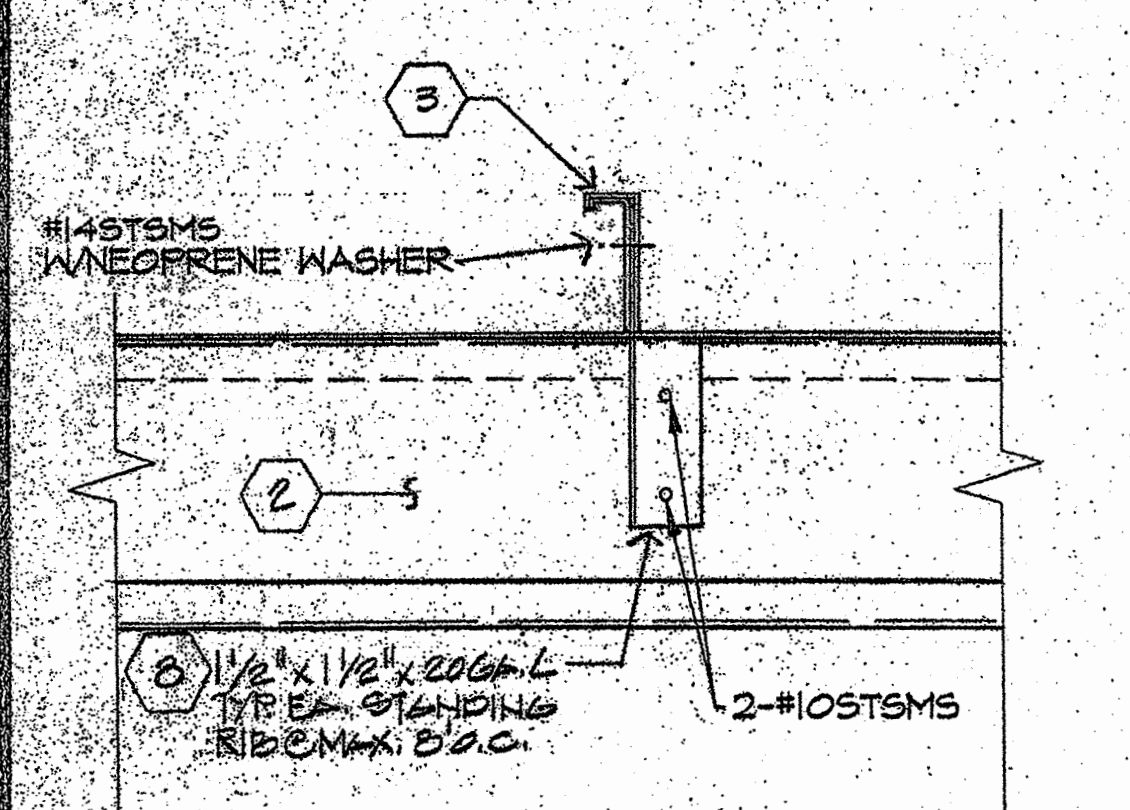
50 PSF FLR LL + 20 PSF PARTITIONS



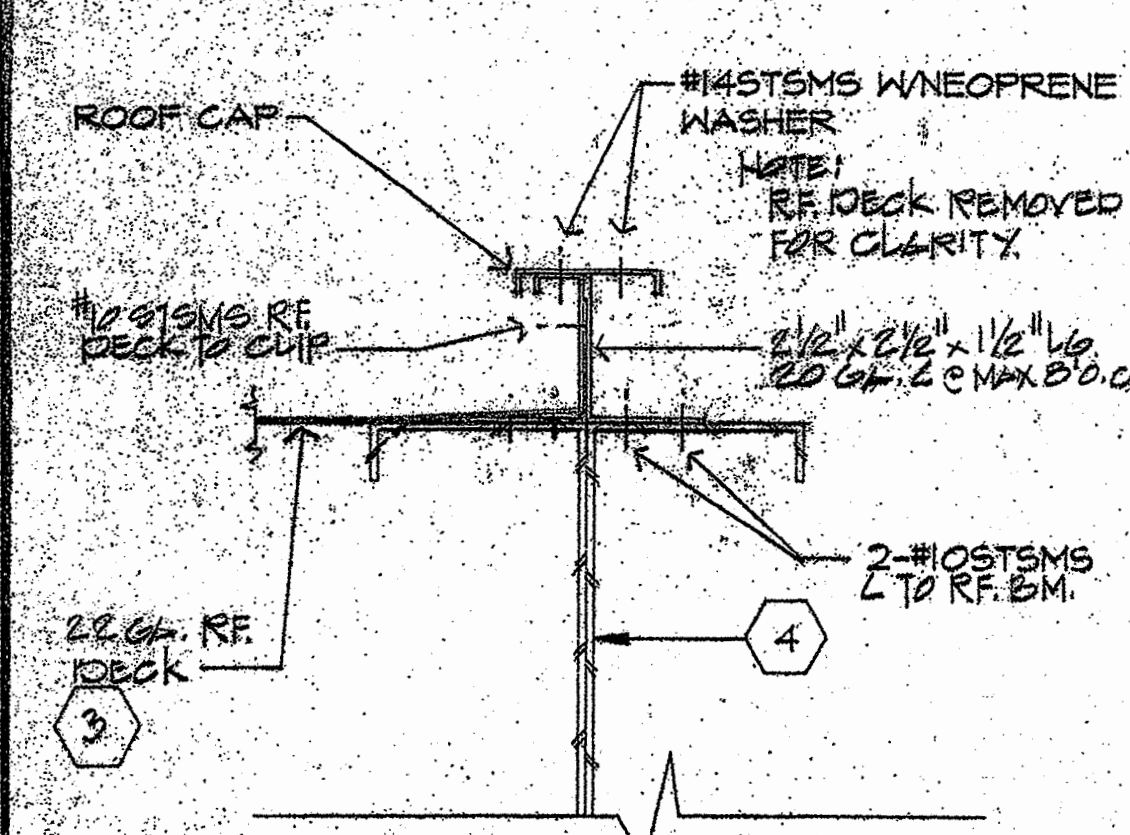
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							TO# LL	PORTION 3 4012-051 STEP-12 CLASS.007	CHECKED BY: DATE
								FLOOR FRAMING PLAN S.1.1	



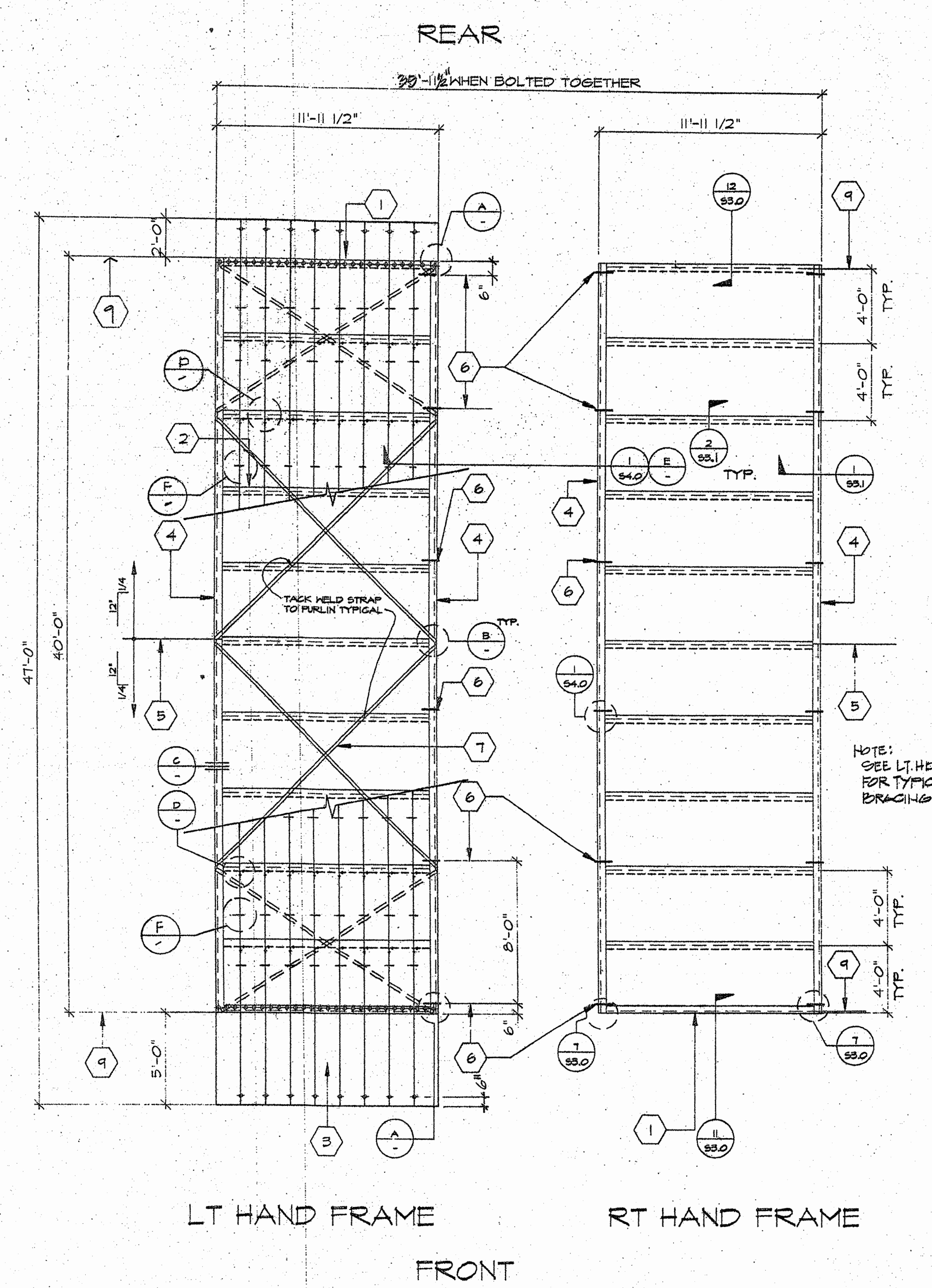
A ROOF STRAP @ SIDWALL
SCALE 1/2"=1'-0"



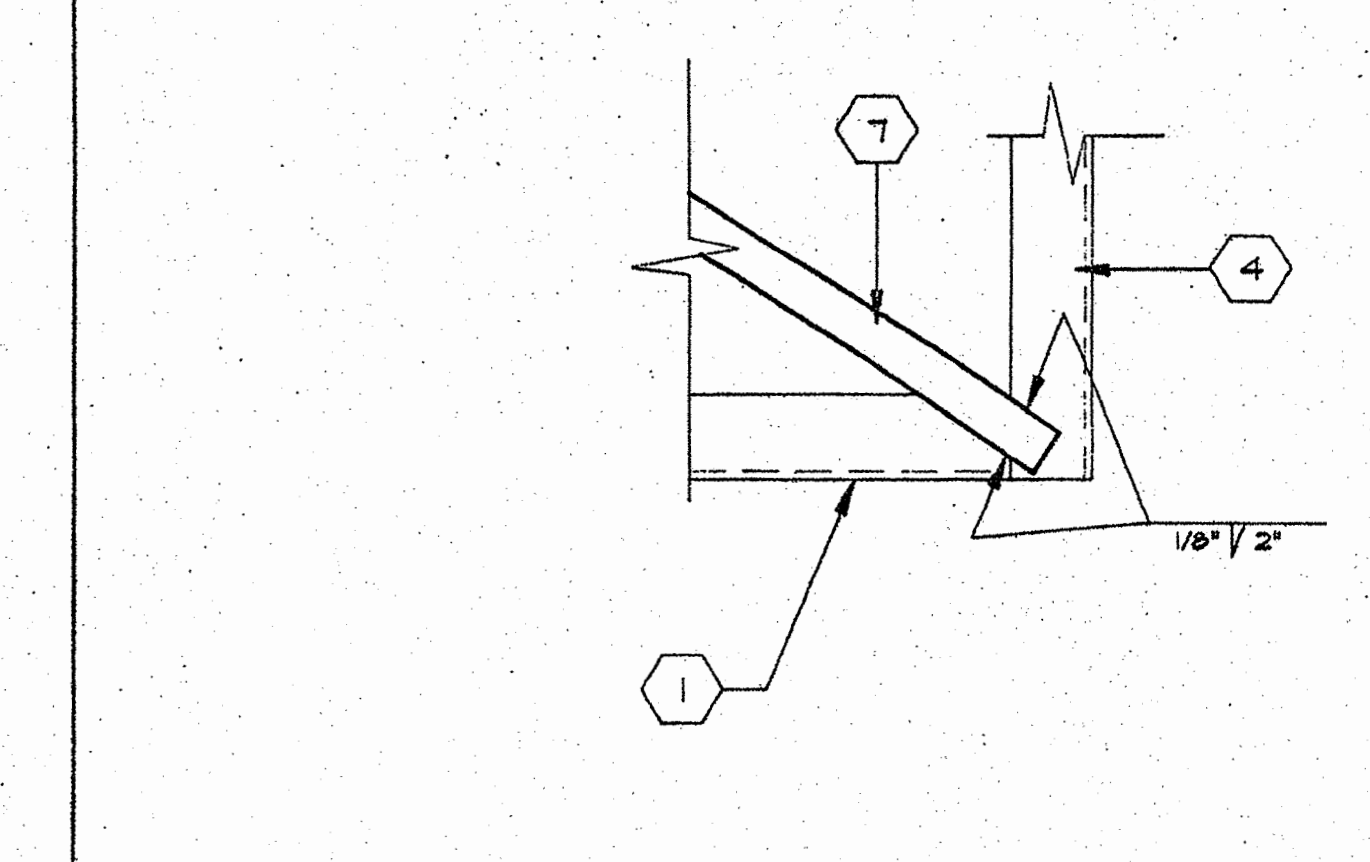
B ROOF STRAP
SCALE 1/2"=1'-0"



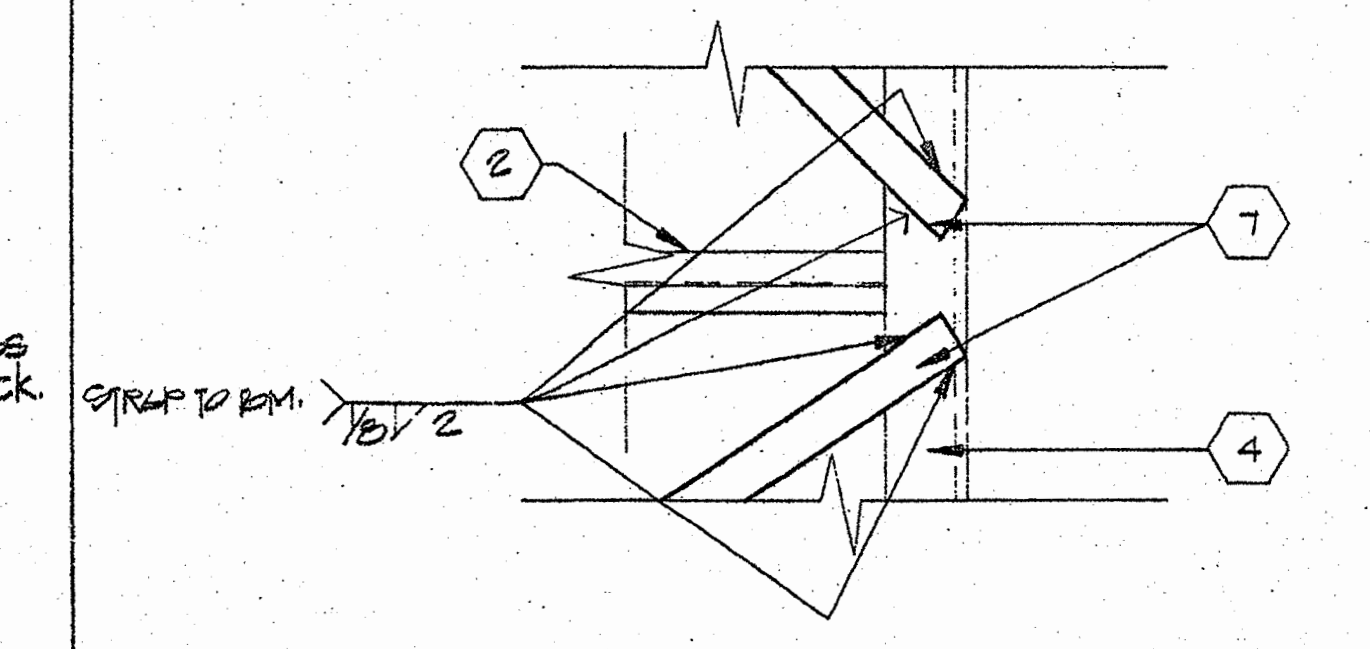
C ROOF CAP @ MODLINE
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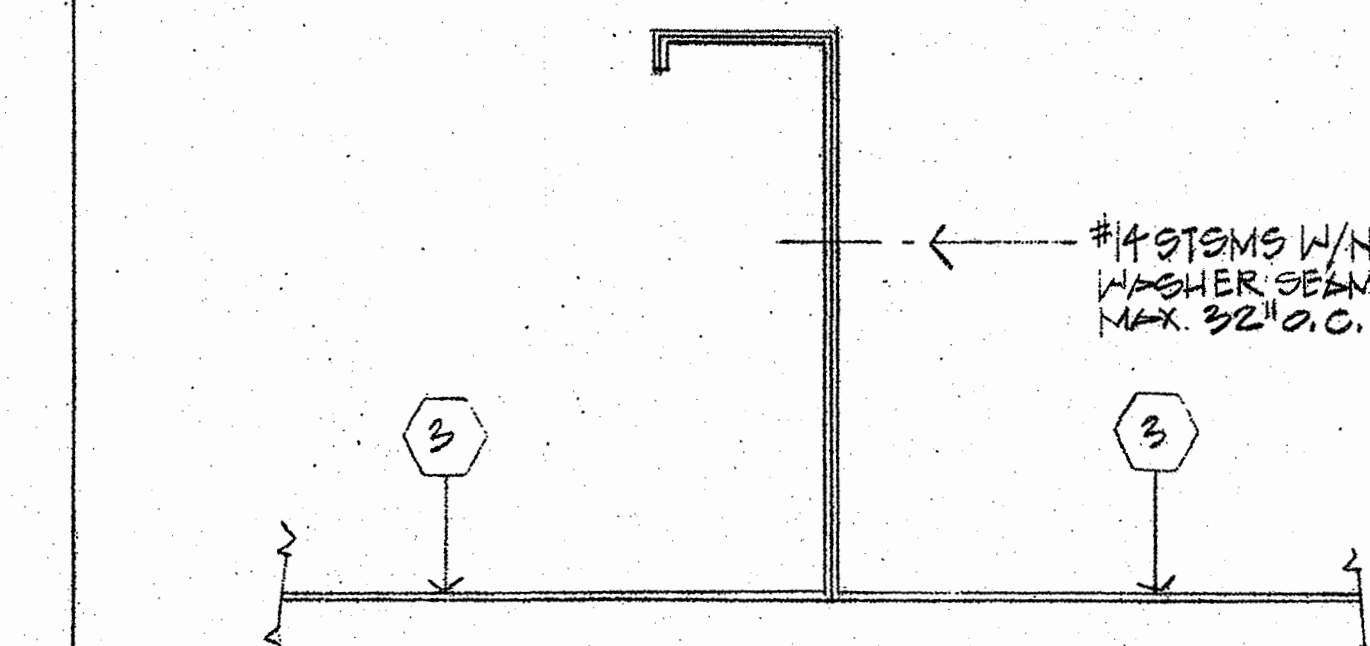
LT HAND FRAME RT HAND FRAME
FRONT



D CROSS BRACING @ END WALL
SCALE 1/2"=1'-0"

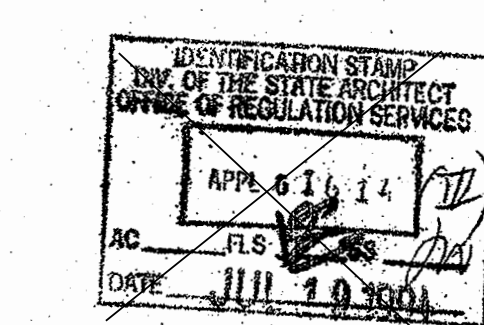


E CROSS BRACING @ SIDE WALL
SCALE 1/2"=1'-0"



F CONNECTION @ RF DECK STANDING SEAM
SCALE 1/2"=1'-0"

- NOTE**
- 1 C 14 X 12GA. □ HEADER
 - 2 6" X 2 1/2 X 14GA. □ @ 48" O.C. (TYP.)
 - 3 22GA STANDING SEAM ROOFING ATTACH ROOFING TO ROOF BEAM W/ #14 X 3/8" STMS WITH NEOPRENE WASHERS.
 - 4 TAPERED ROOF BEAM 10GA. □ SEE T/S 3.1
 - 5 RIDGE-LINE
 - 6 1/16" DRILL SEE DETAIL 1/54.0
 - 7 2" X 20GA. STRAP CROSS BRACING TACK WELD TO EA. PURLIN.
 - 8 1/2" X 1/2" X 20 GA. L COPE LEG FOR ROOF DECK. TYP. EA. PURLIN @ MAX. 24" O.C.
 - 9 #14 STMS W/NEOPRENE WASHER @ MAX. 24" O.C.



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JOB # 1964

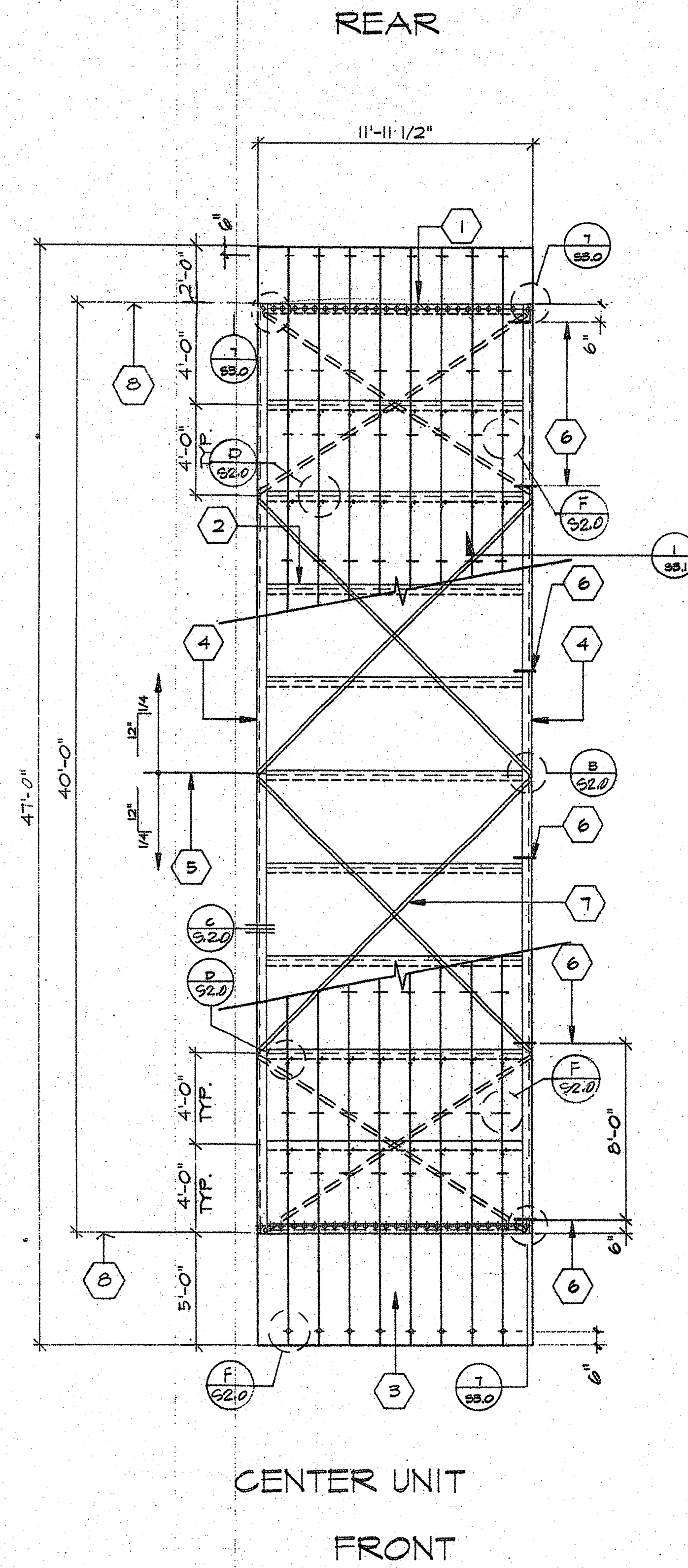
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ROOF FRAMING PLAN 52.0

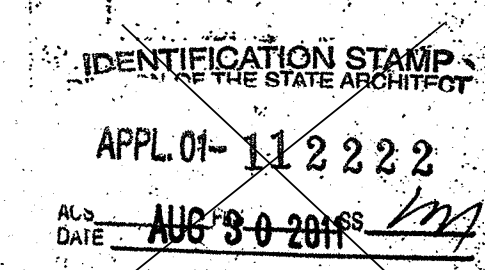
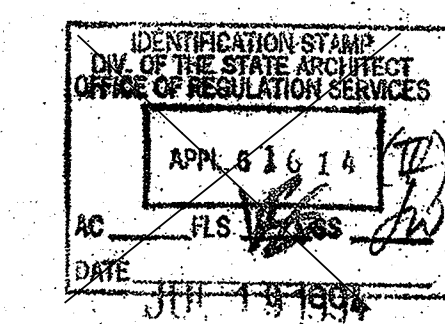
MODTECH INC.

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NOTE

- ① C 14 X 12@A. □ HEADER
- ② 6"X2 1/2X14@A. AT 48" O.C. (TYP.)
- ③ 22GA. STANDING SEAM ROOFING ATTACH. ROOFING TO ROOF BEAM W/#14X3/8" STMS WITH NEOPRENE WASHERS.
- ④ TAPERED ROOF BEAM 10GA. □ SEE 7/SS.1
- ⑤ RIDGE-LINE
- ⑥ 11/16" DRILL SEE DETAIL 1/34.0
- ⑦ 2"X20GA. STRAP CROSS BRACING TRACK WELDED TO E.G. PURLIN
- ⑧ #14 STMS W/NEOPRENE WASHER TO ROOF HEADER C.M.X. @ O.C.



ROOF FRAMING PLAN

SCALE 1/4"=1'-0"

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY

JOB # 1964

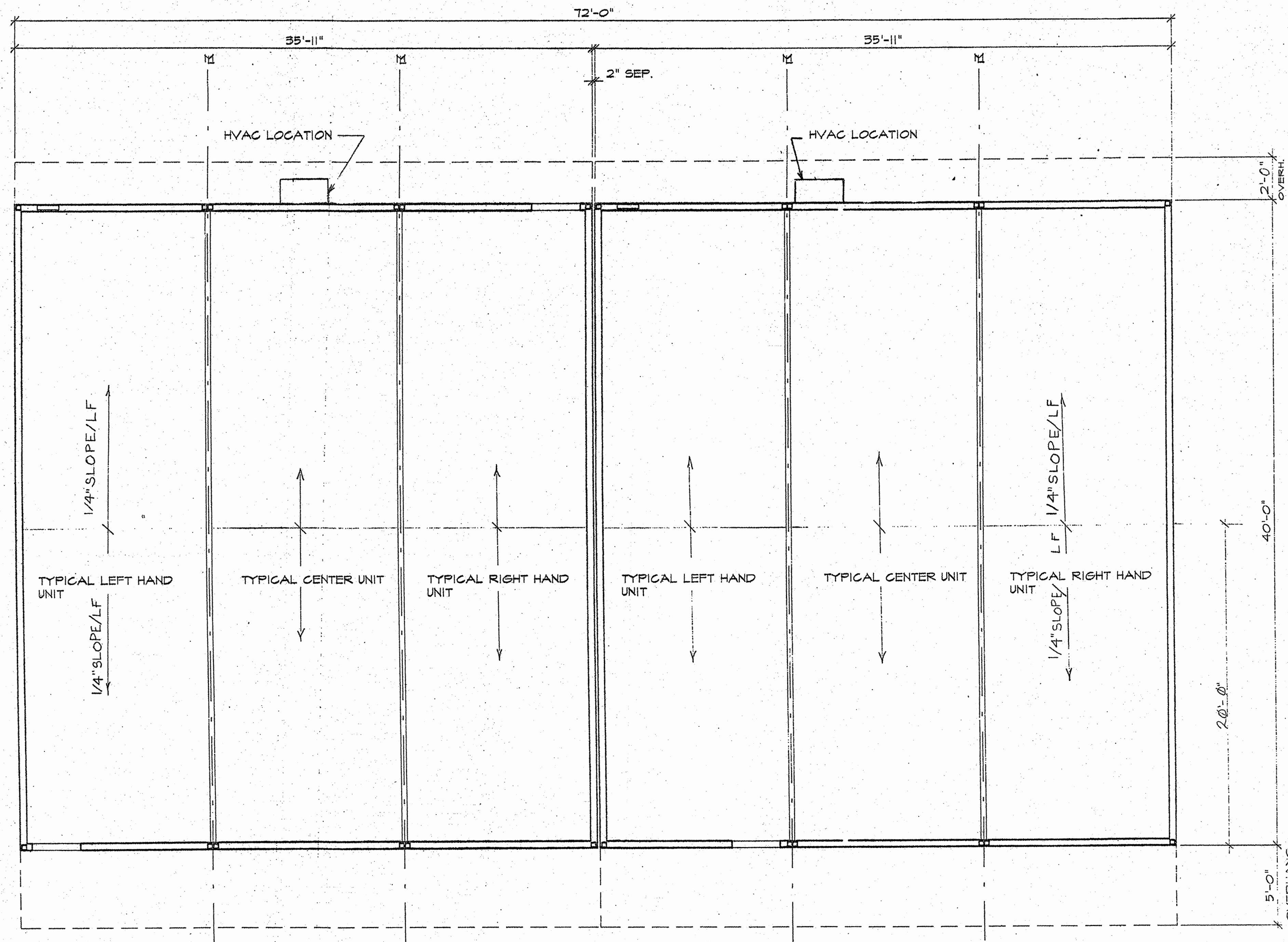
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ROOF FRAMING PLAN S2

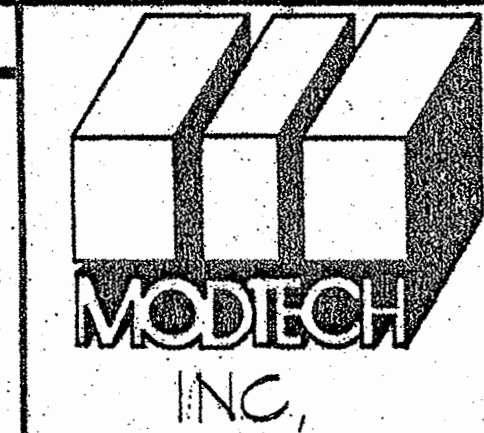
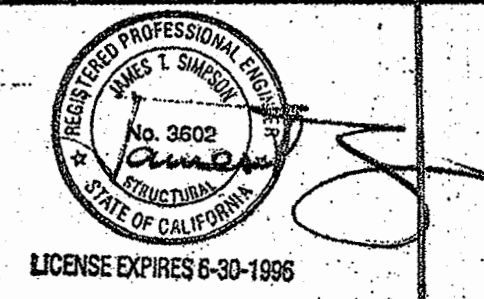
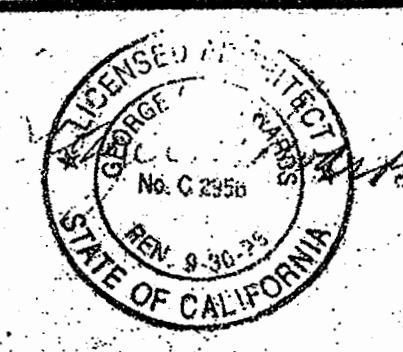
MODTECH INC.

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CHECKED BY: DATE



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 DATE AUG 30 2011

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 DATE JUL 20 2011



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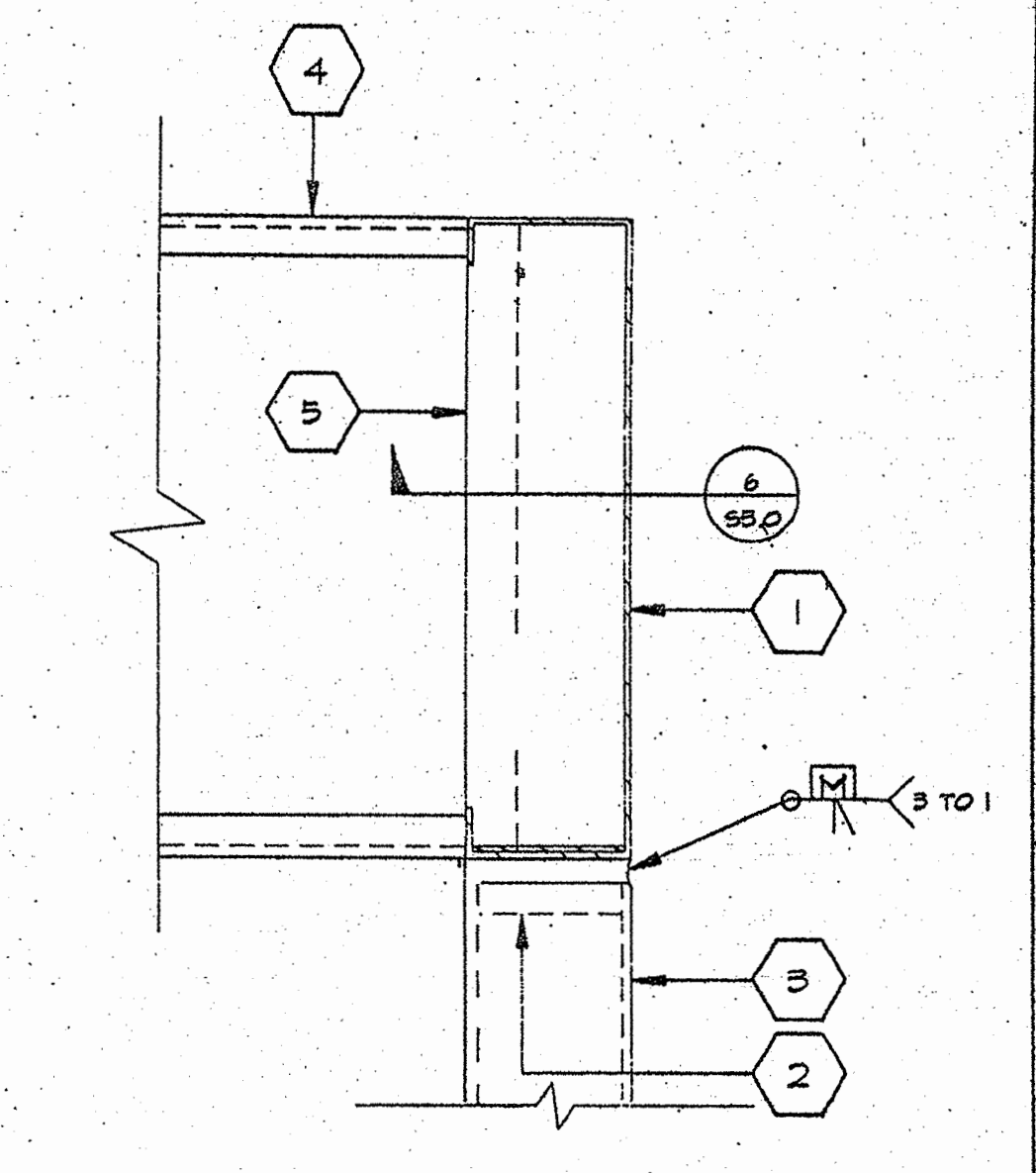
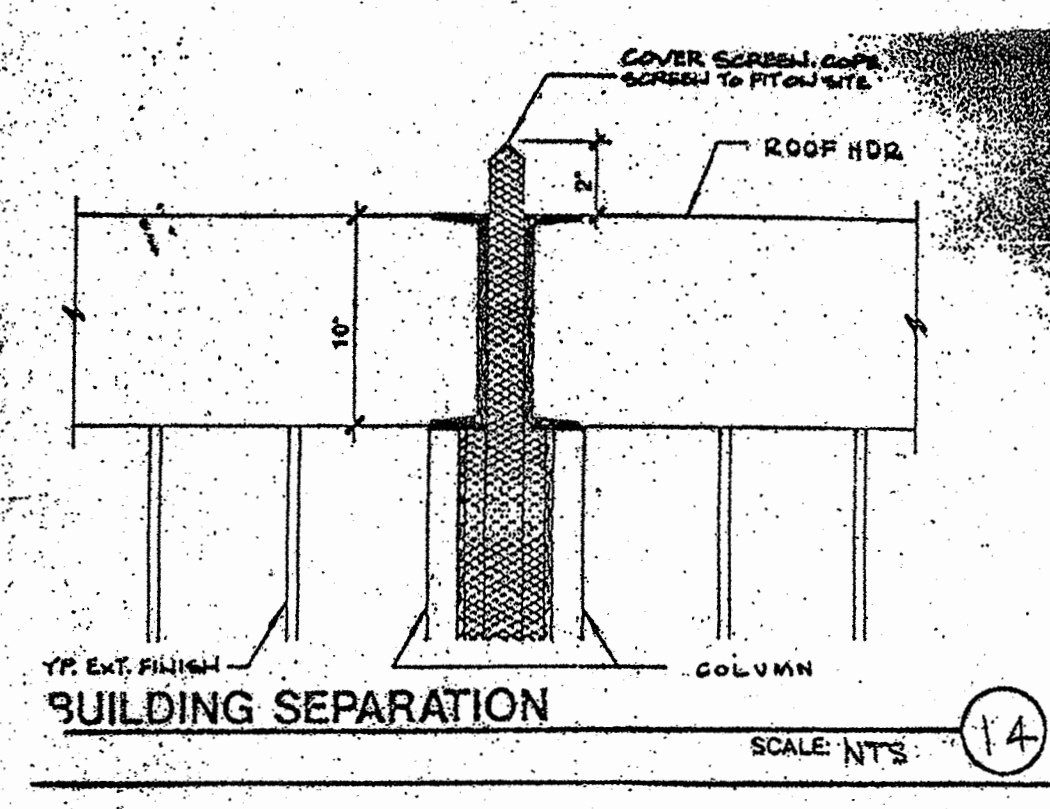
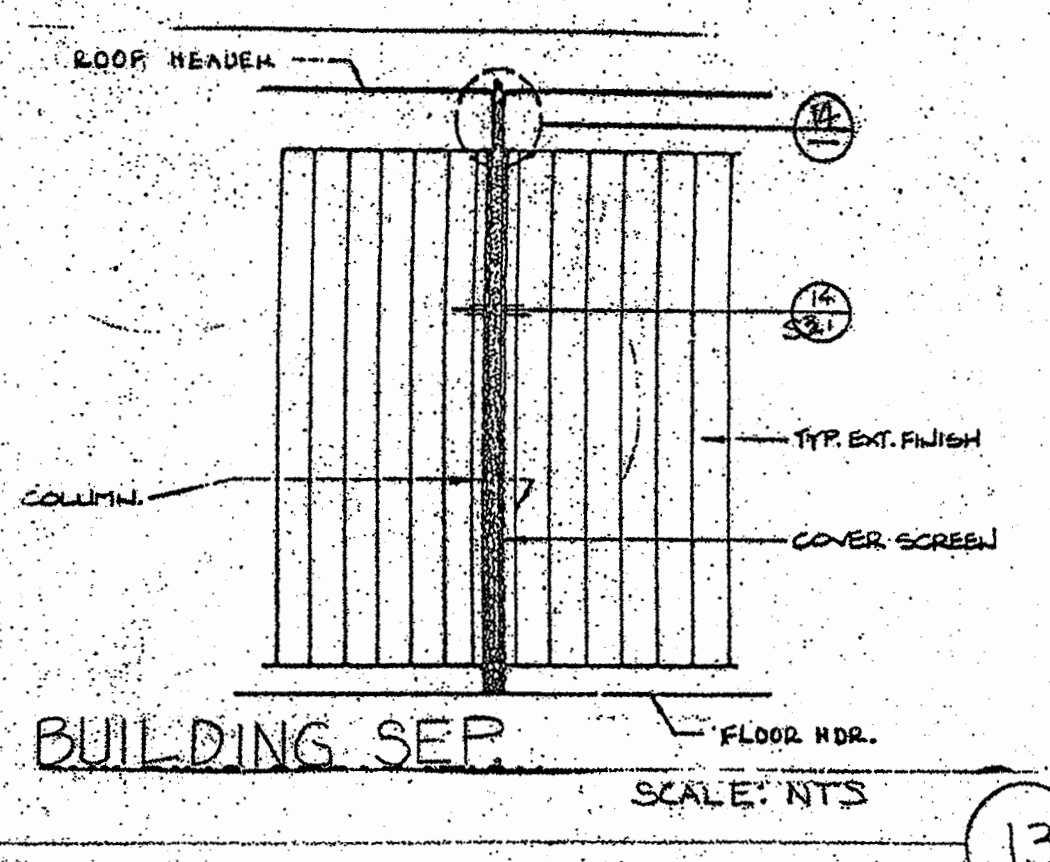
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 STKP-18 CLASS.007

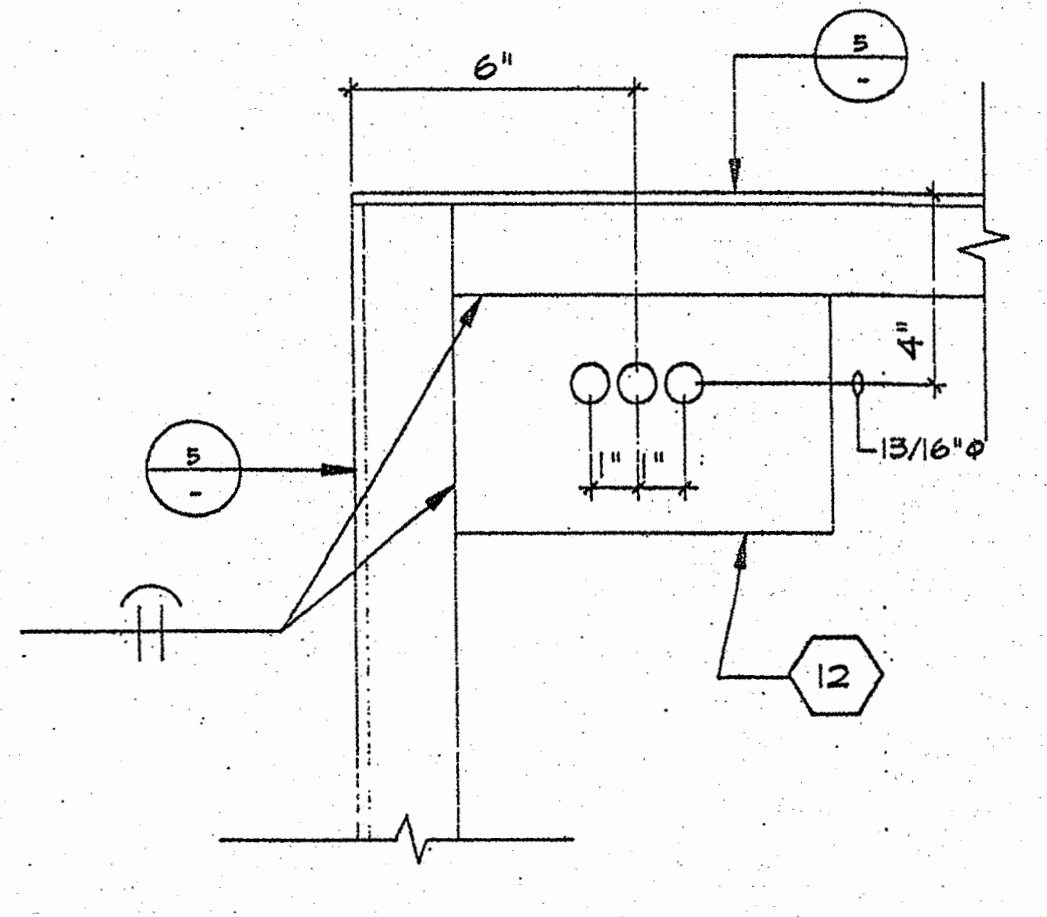
OVERALL ROOF LAYOUT

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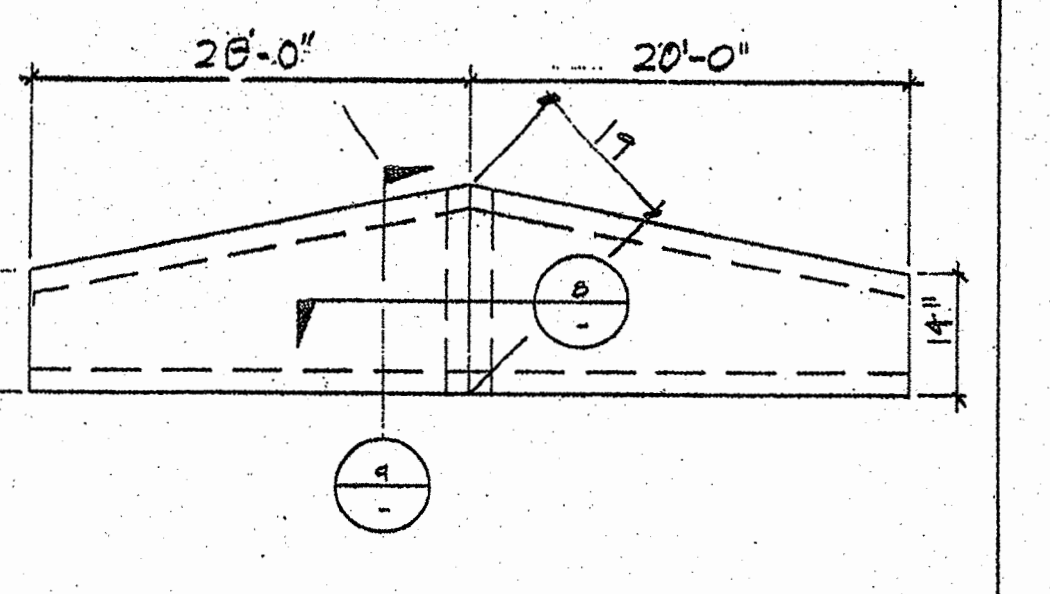
522



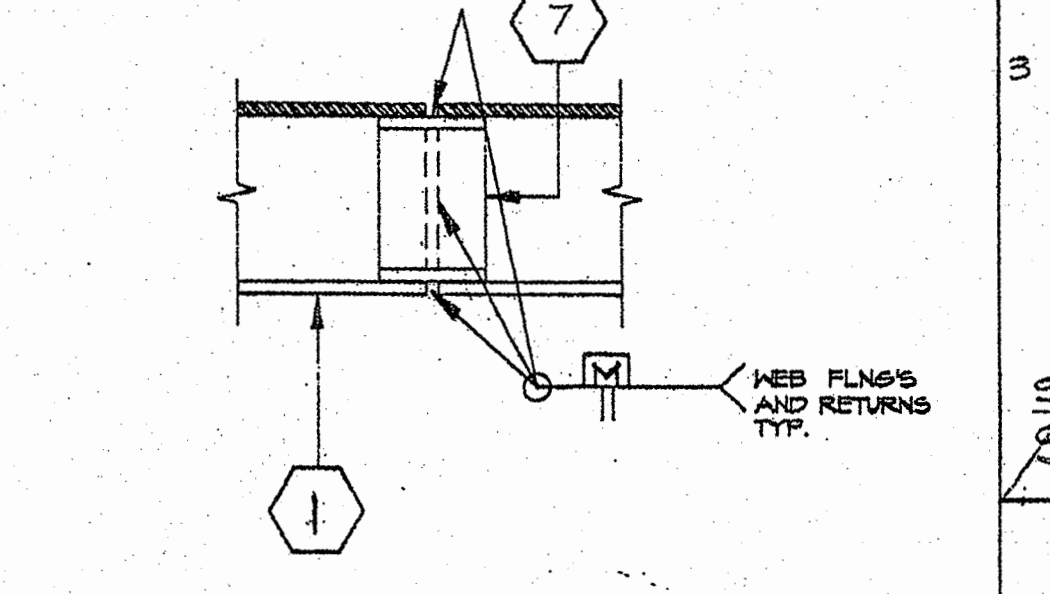
COLUMN CONN. @ ROOF



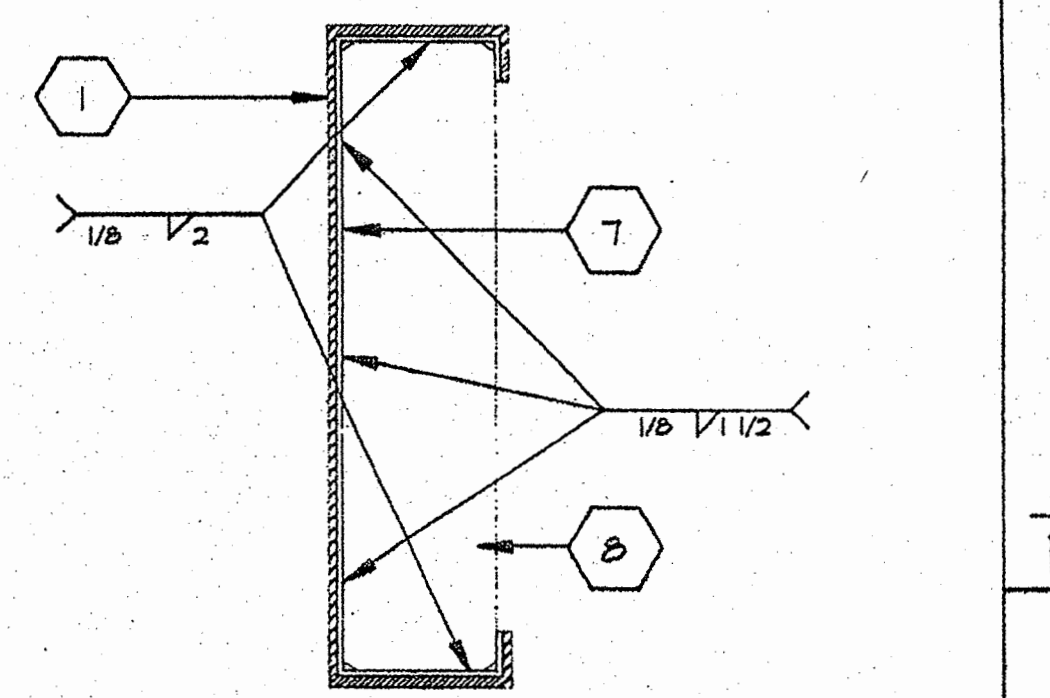
ANCHOR PLATE @ CONG. FOUND.



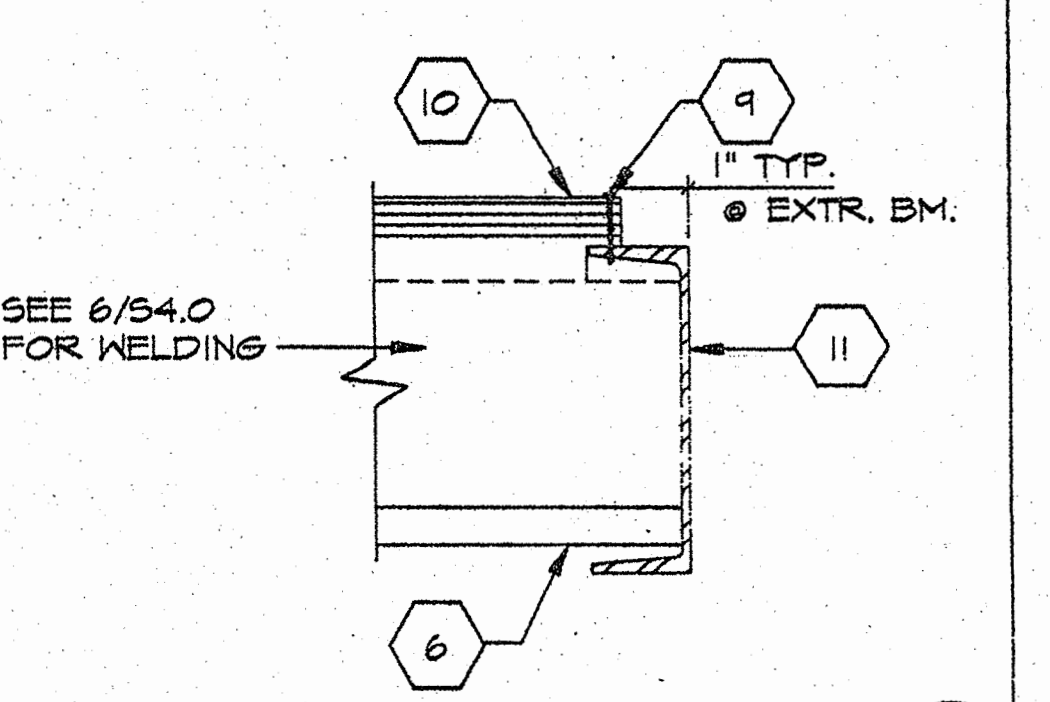
FASCIA @ SIDEWALL



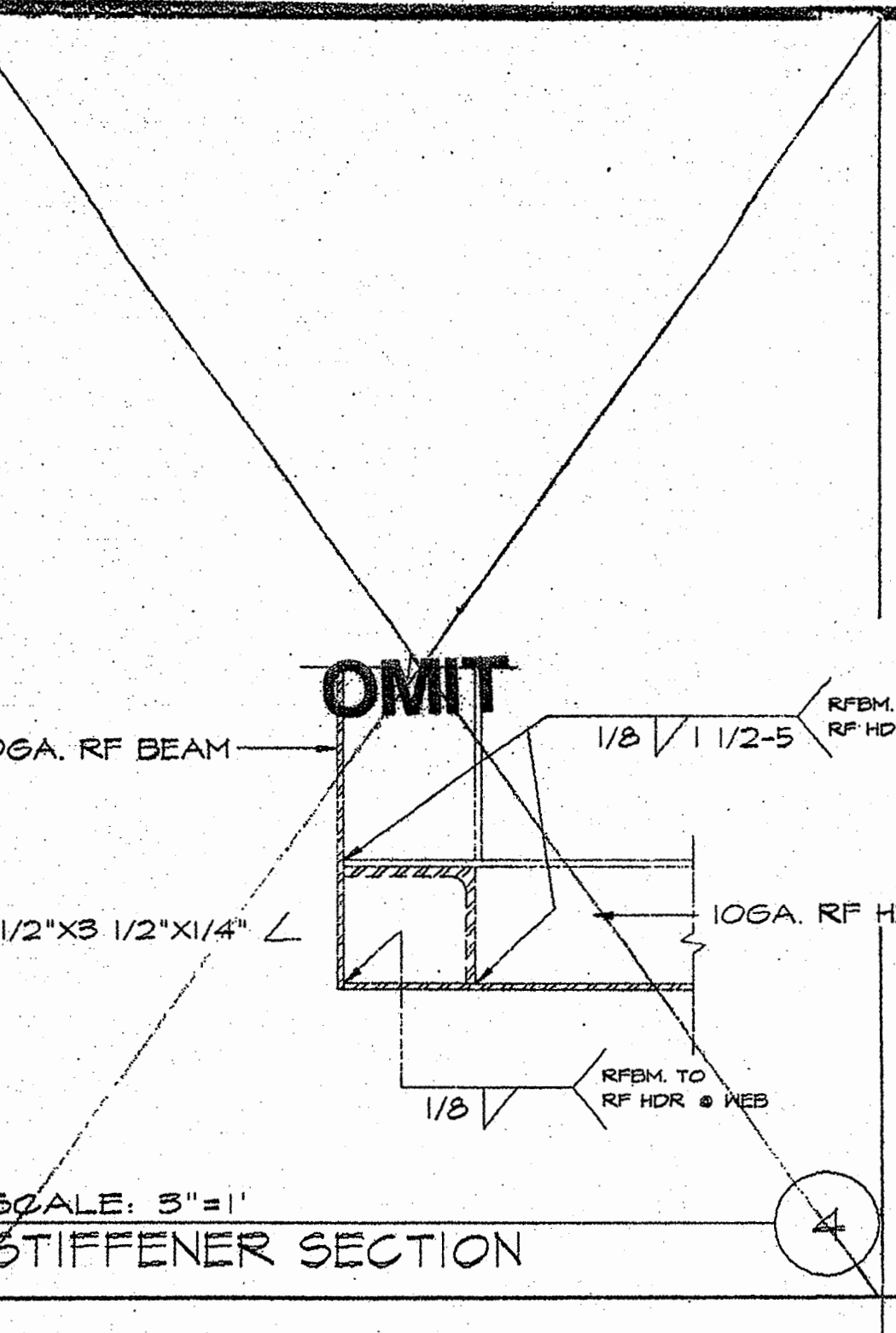
BEAM SPLICE



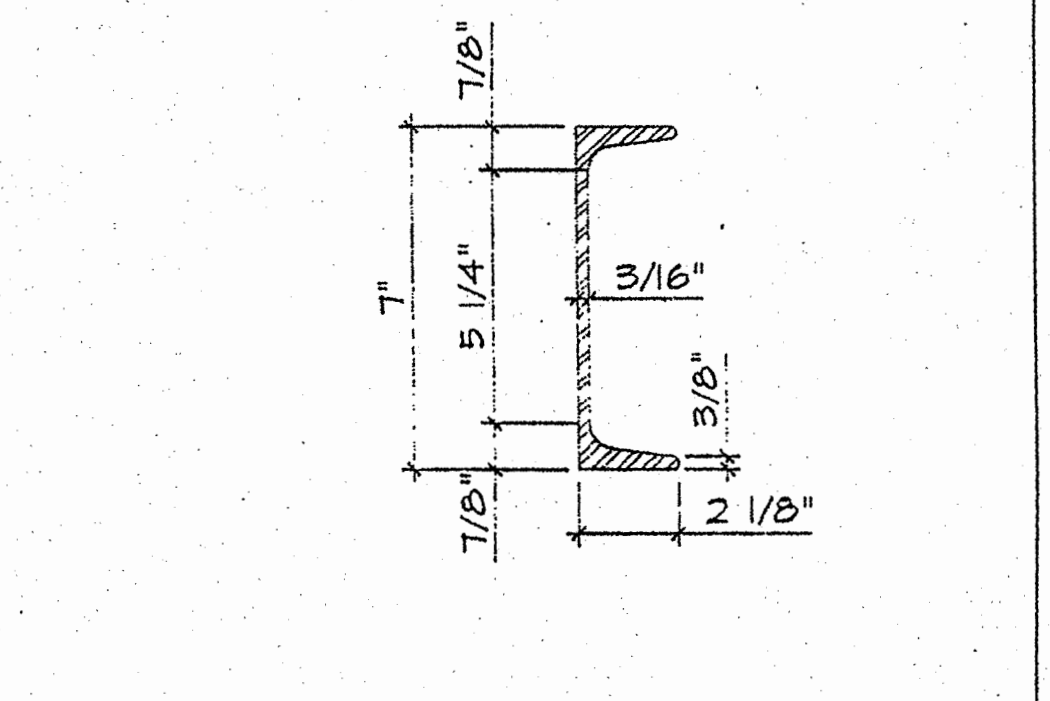
BEAM SPLICE W/STIFFENER



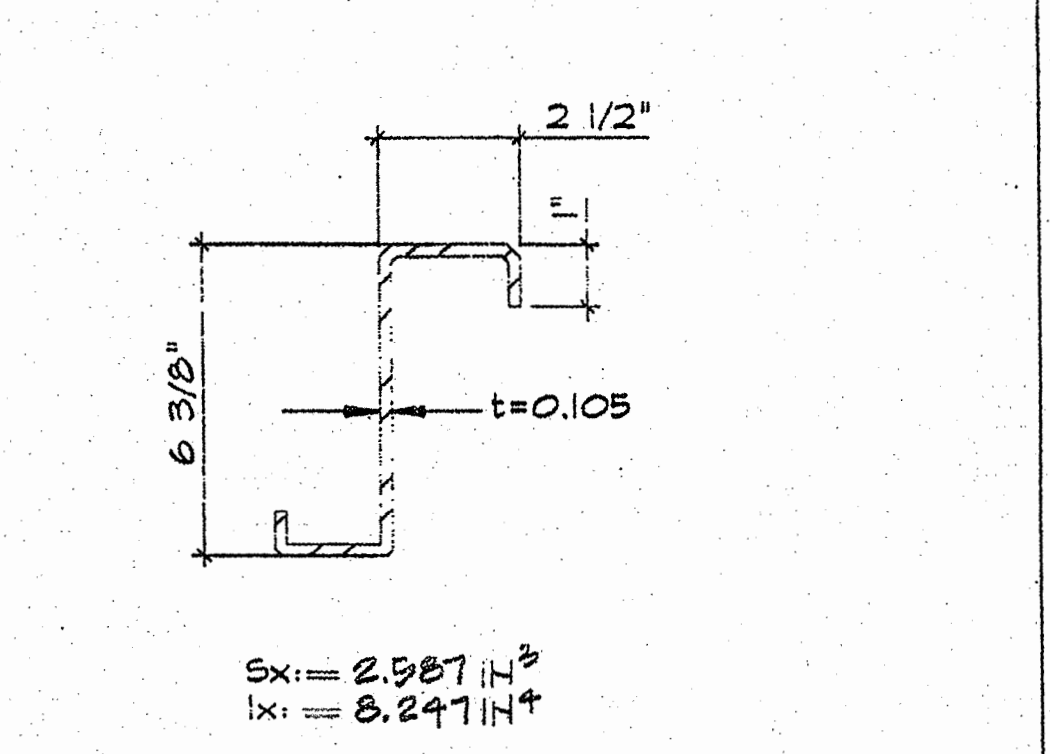
FLOOR @ FLOOR BEAM



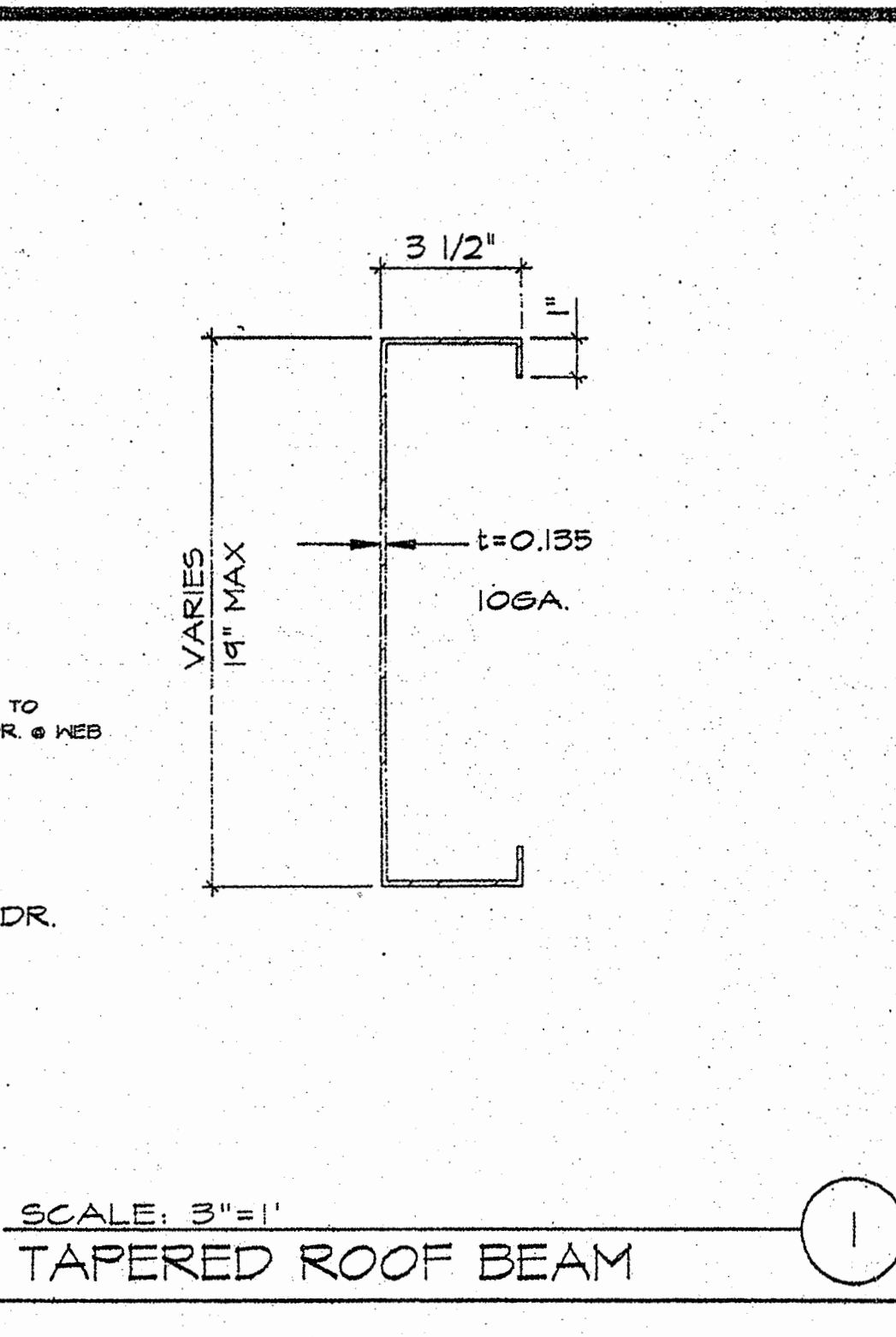
STIFFENER SECTION



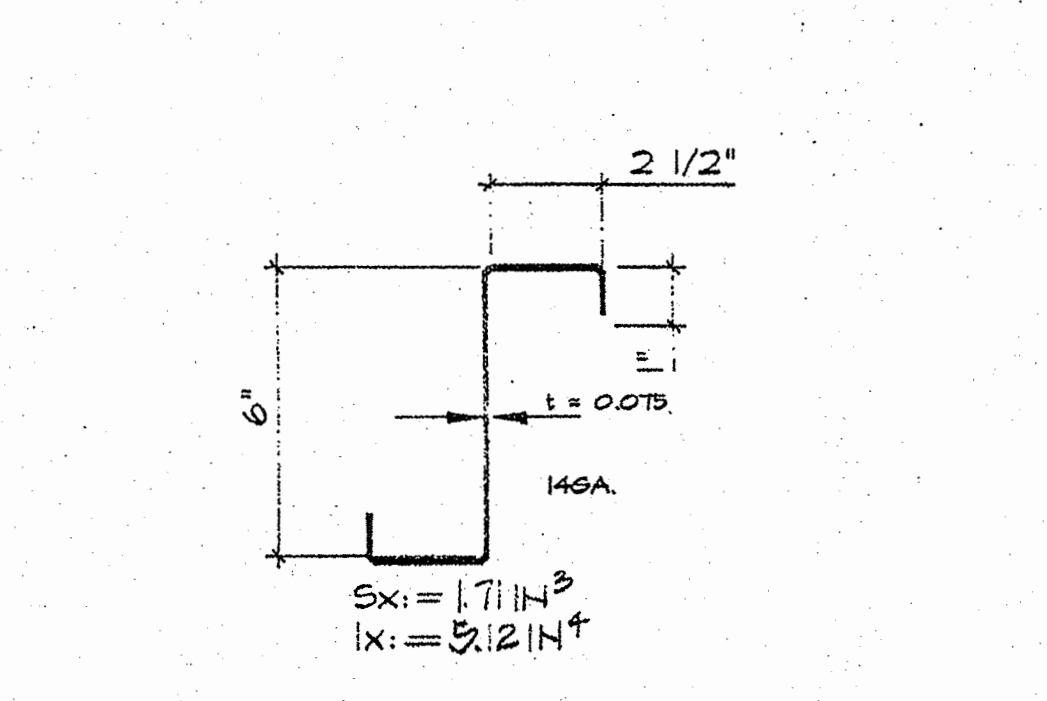
FLOOR BEAM CTX9.8



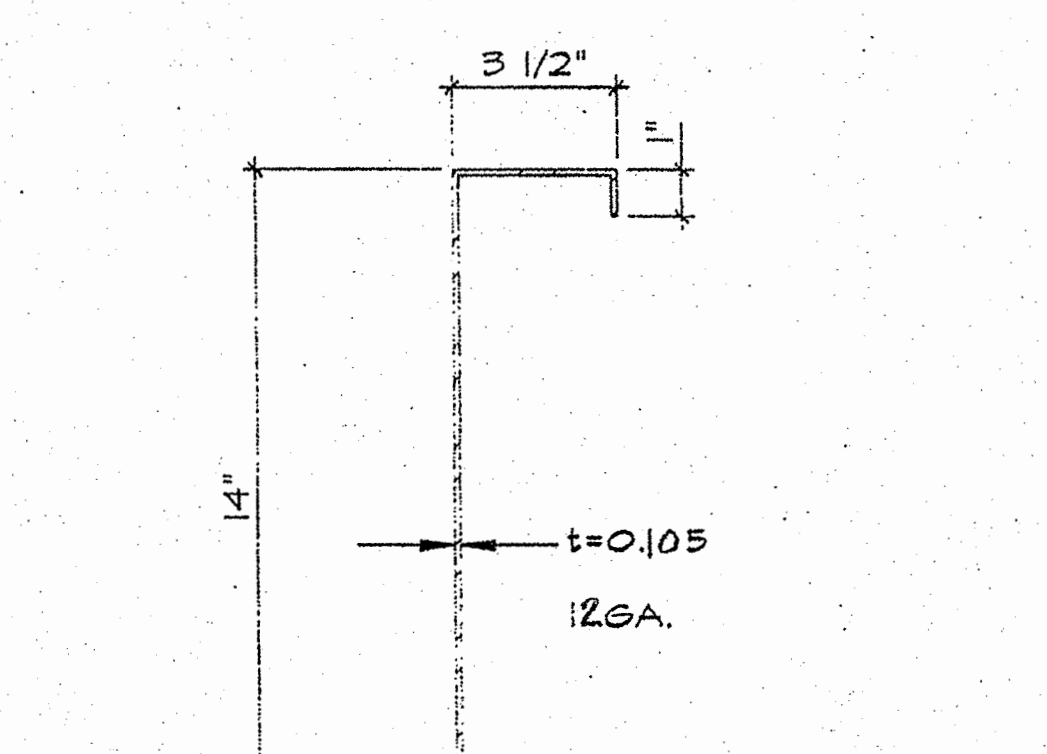
FLOOR JOIST



TAPERED ROOF BEAM



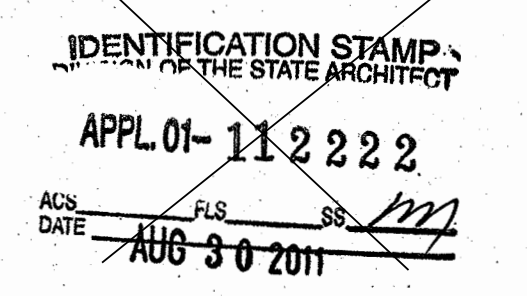
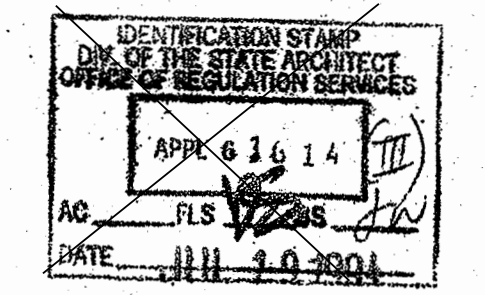
ROOF PURLIN



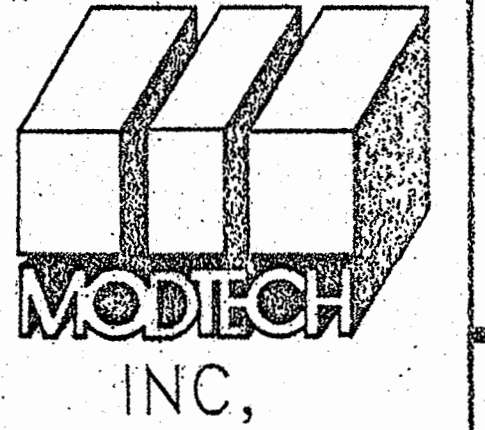
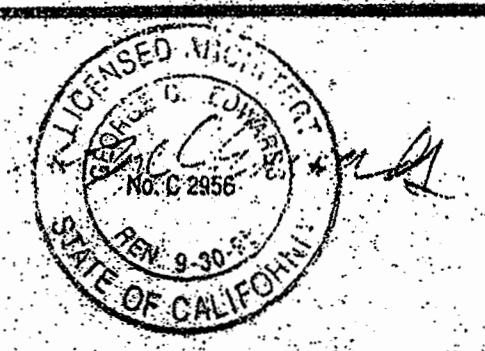
ROOF HEADER

NOTES

- 1 10GA. TAPERED RF. BM. SEE 7/53.1
- 2 BACK-UP PLATE MIN. 10GA.
- 3 3 1/2"X3 1/2"X1/4" COLUMN
- 4 14"X10GA. RF. HDR. SEE 3/53.1
- 5 3 1/2"X3 1/2"X1/4" TUBE LOPE TO FIT RF. I
- 6 FLOOR JOIST SEE 6/53.1
- 7 10GA. BENT PLATE BACK-UP
- 8 1/4" STIFFENER PL.
- 9 #10 STMS @ 6" O.C. (SEE S1.0)
- 10 PLYWOOD FLR. SHEATHING
- 11 FLOOR BEAM SEE 5/53.1
- 12 5"X8"X1/4" PL.



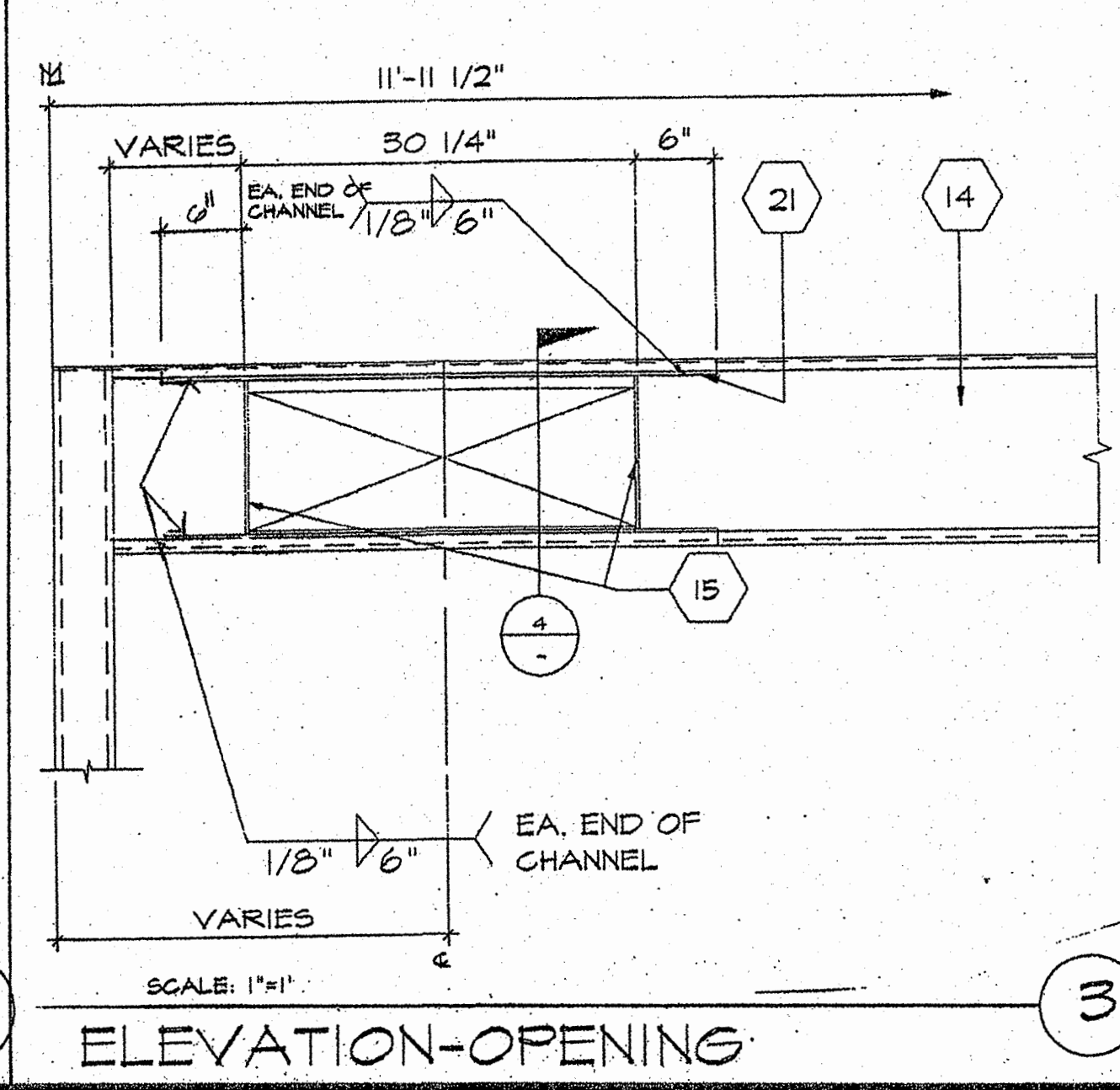
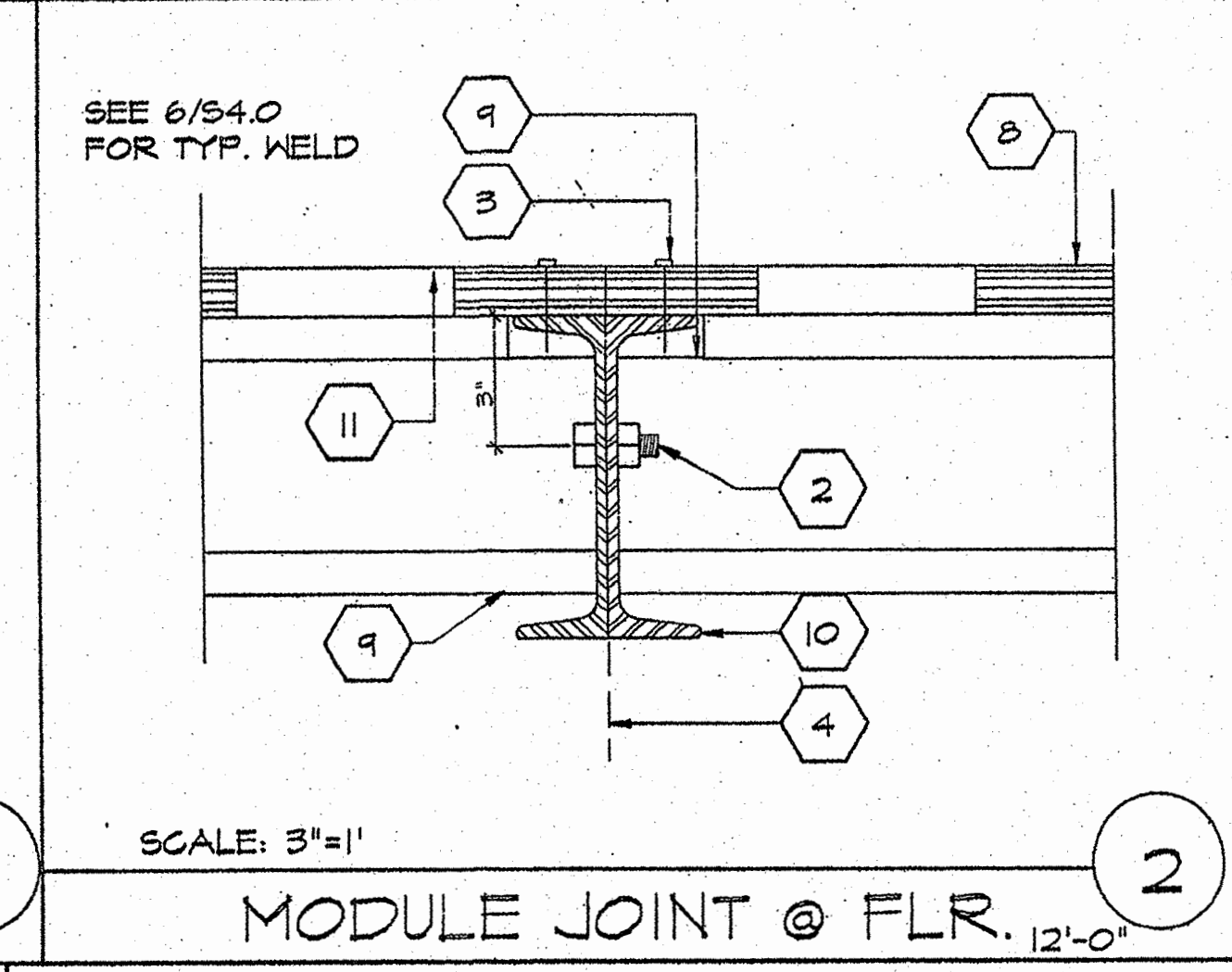
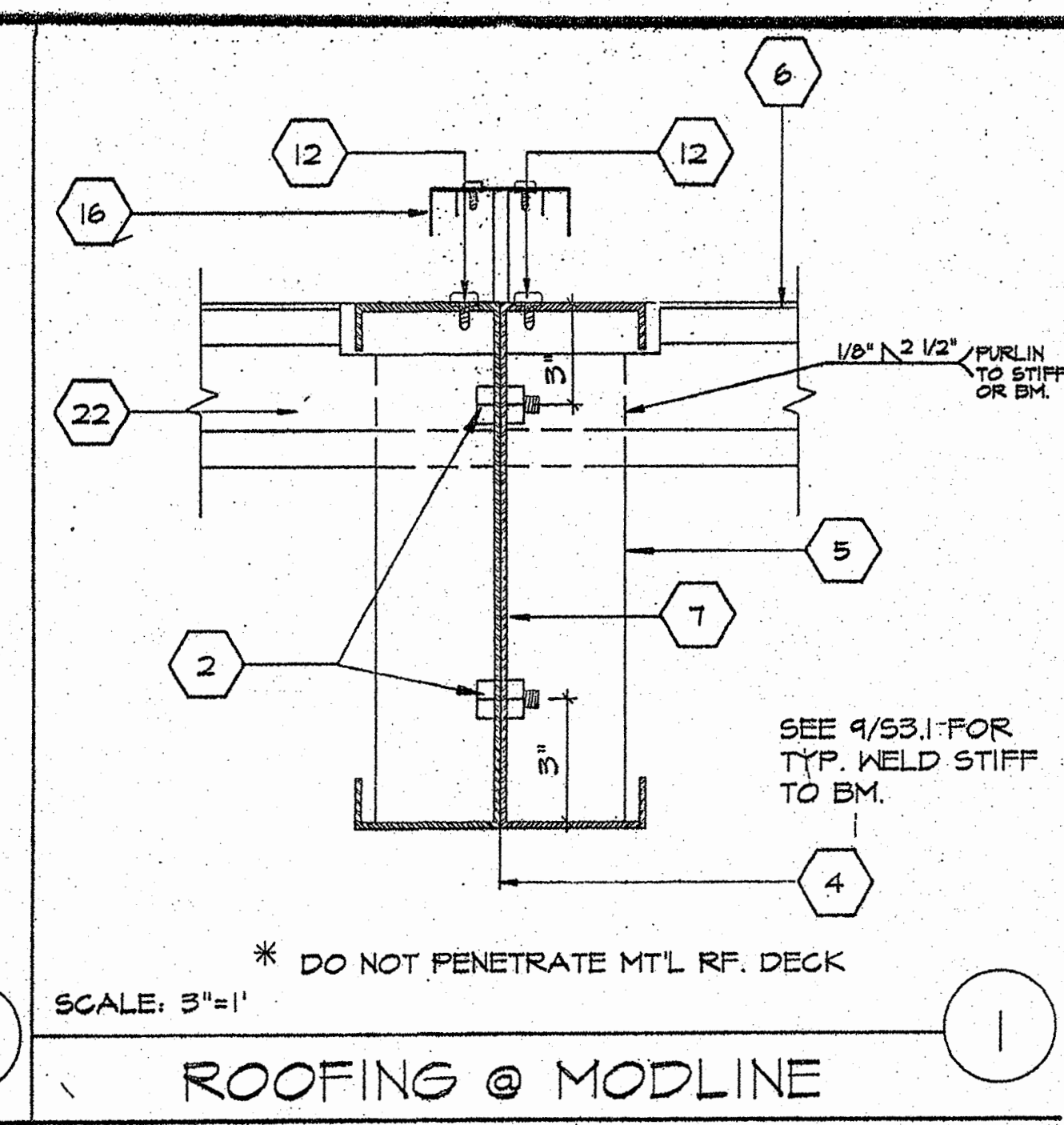
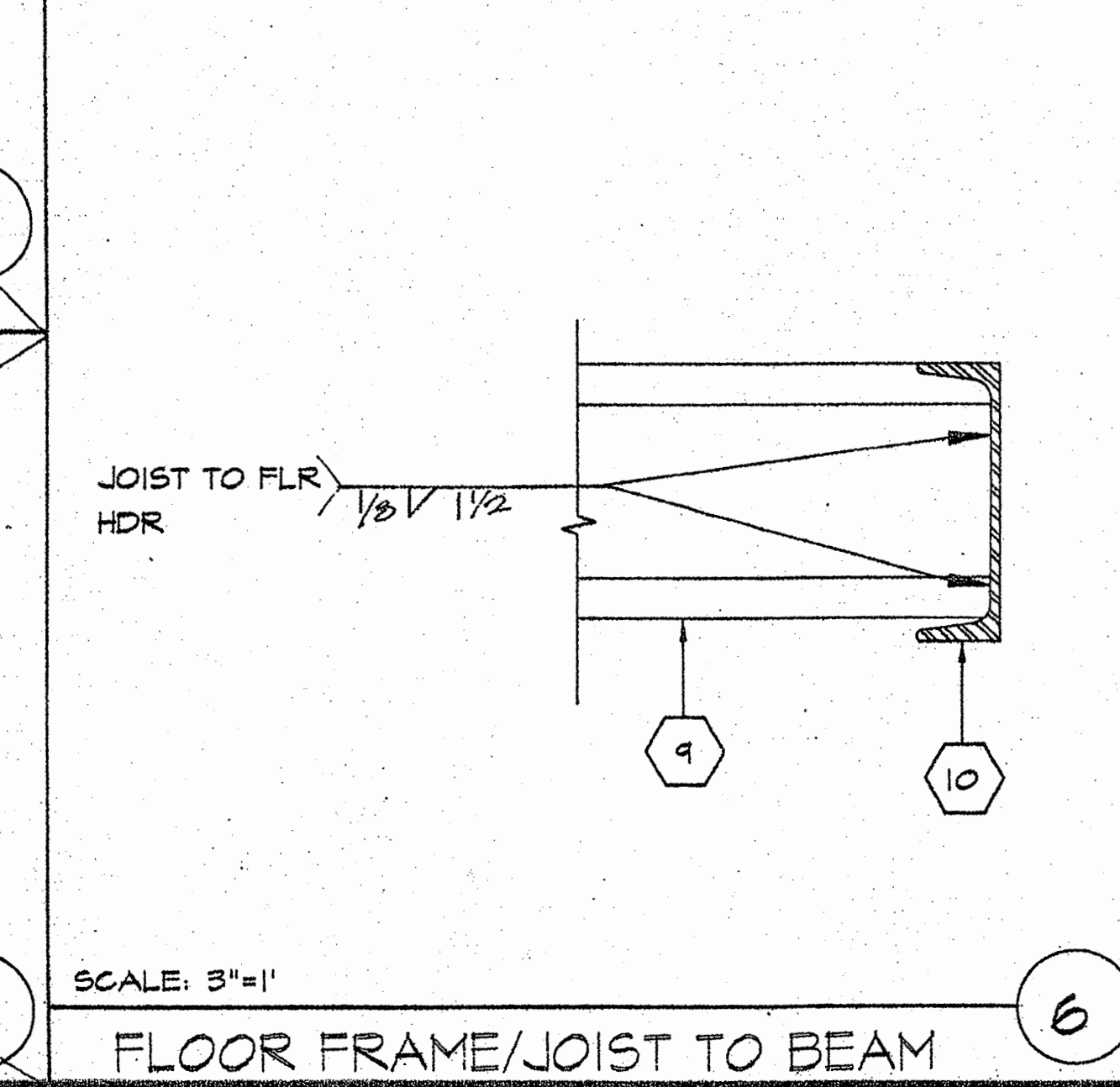
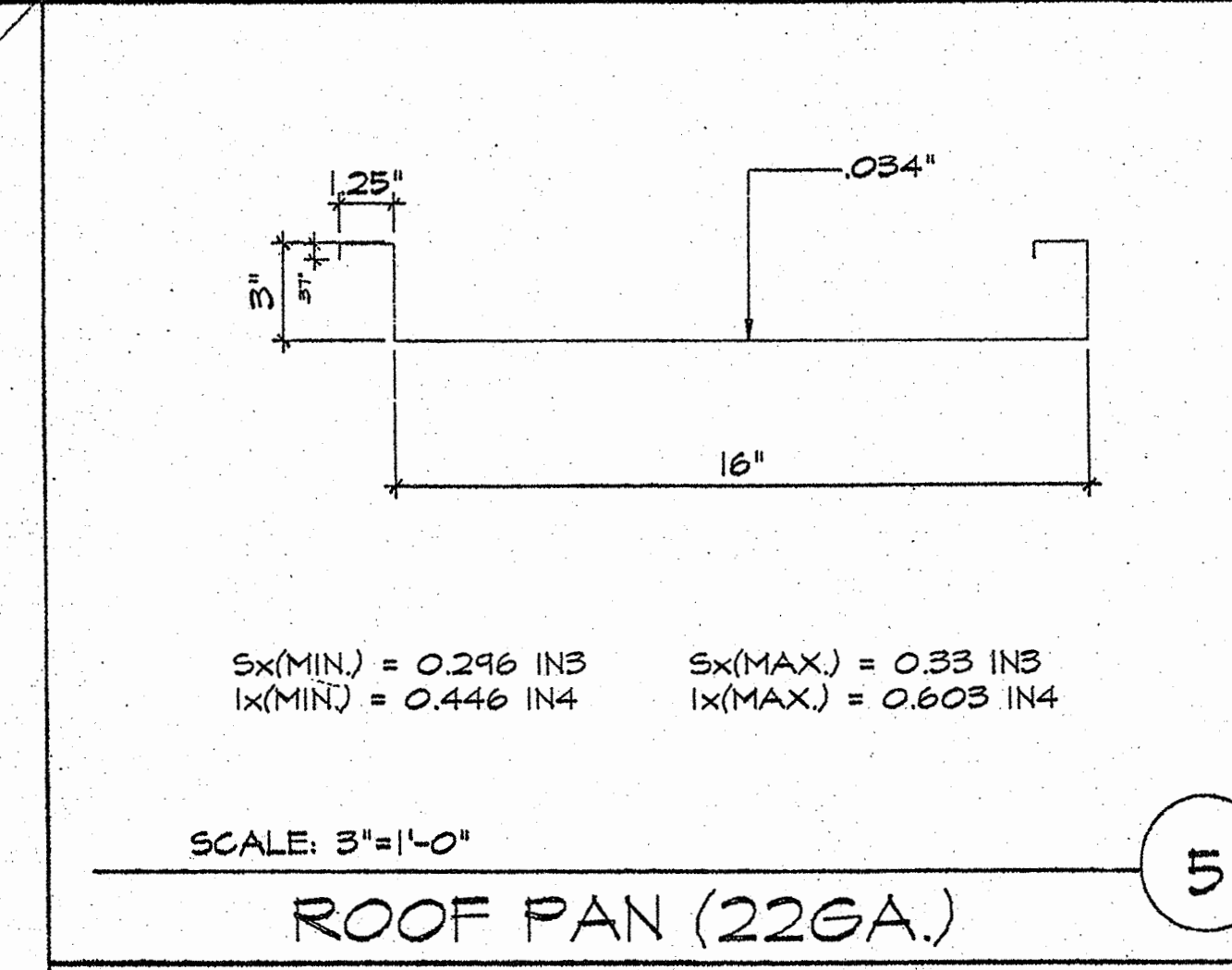
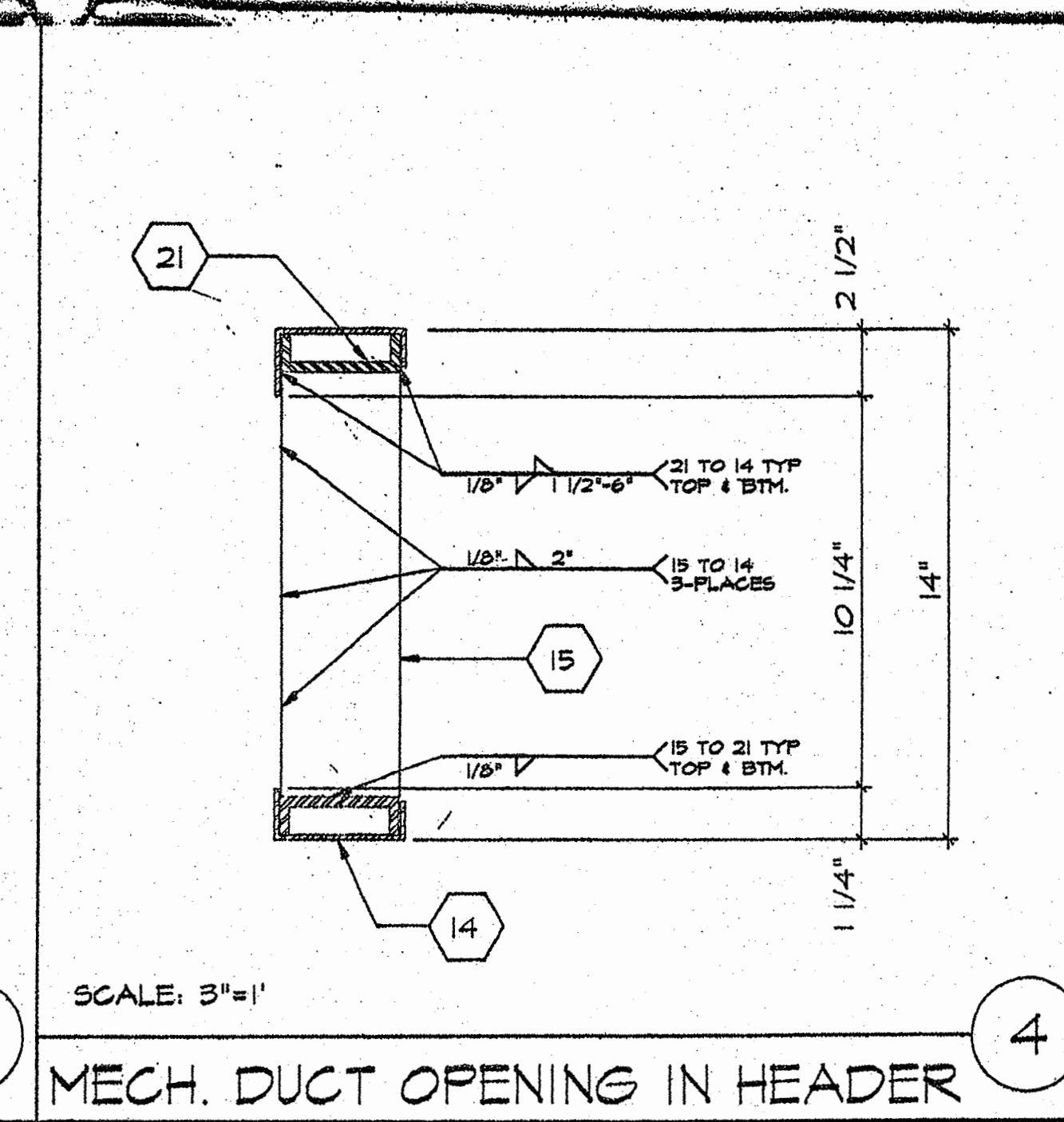
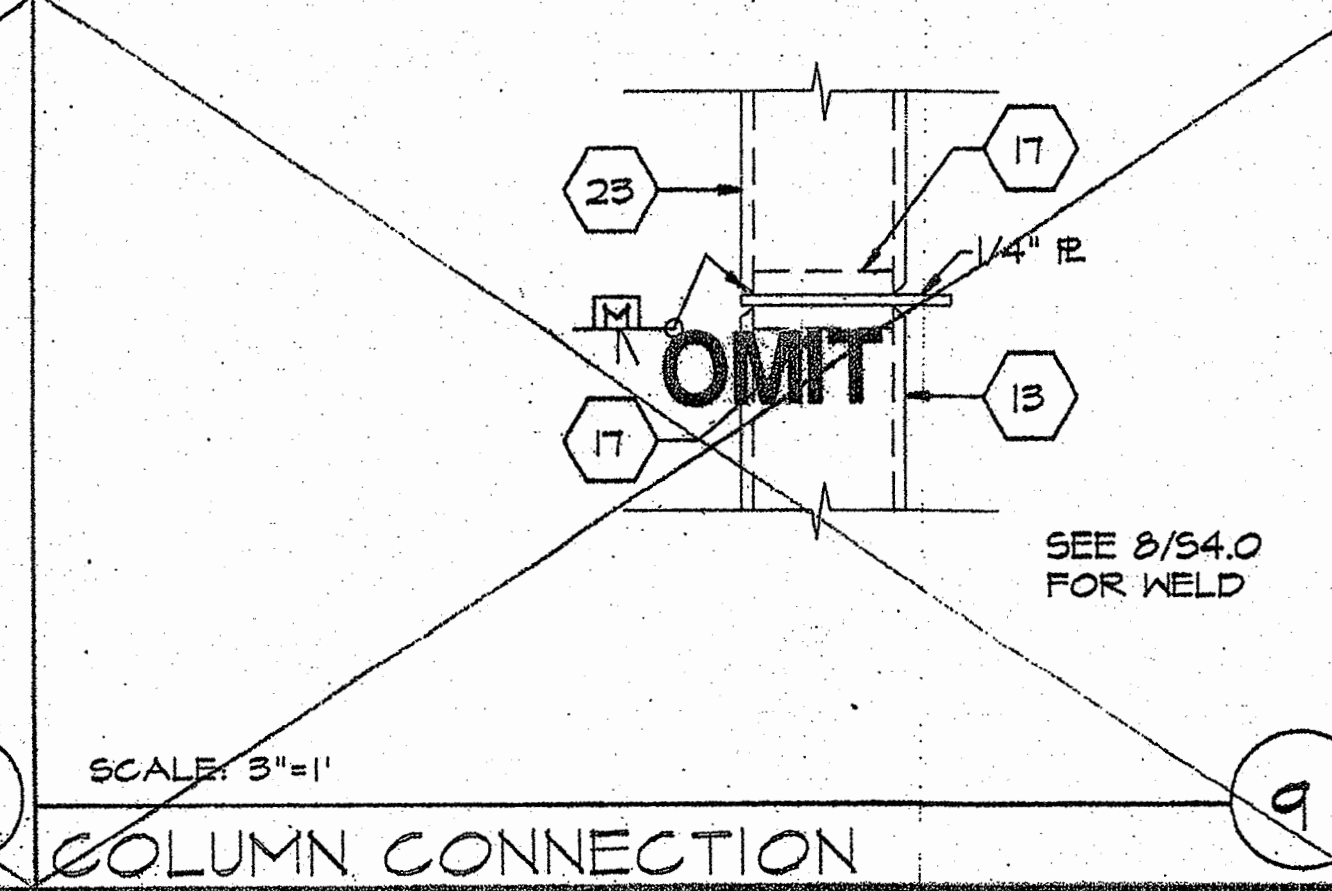
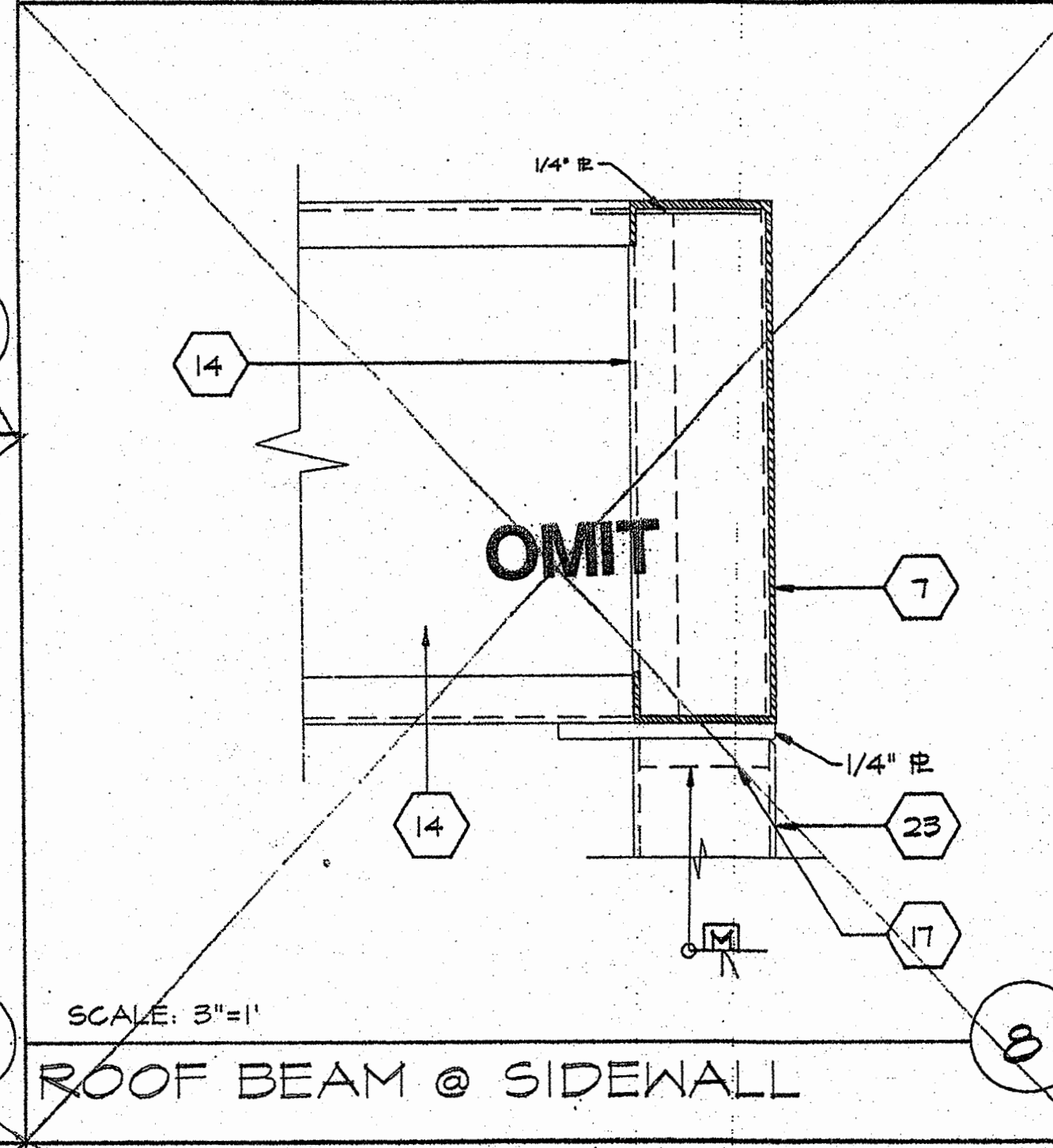
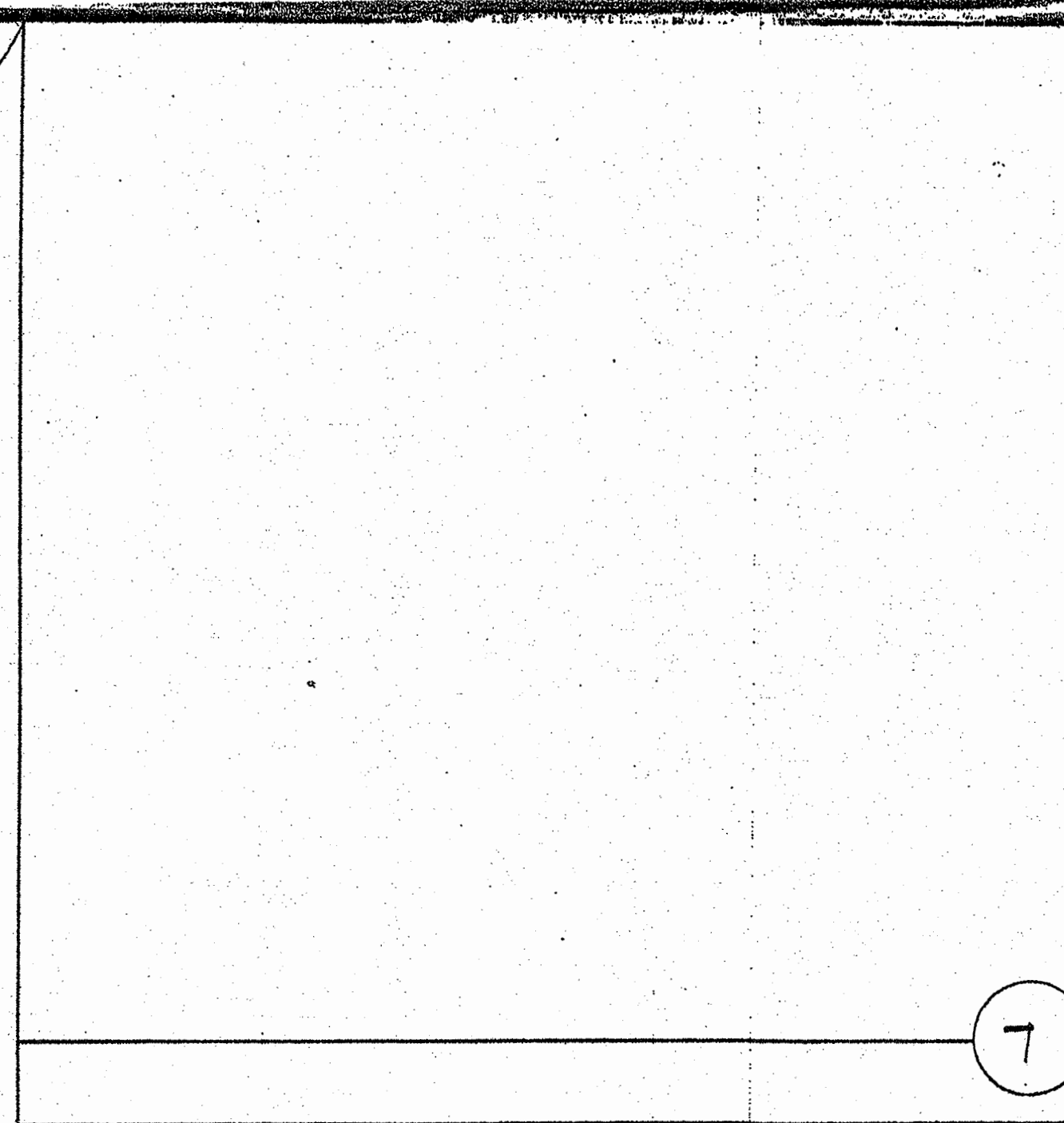
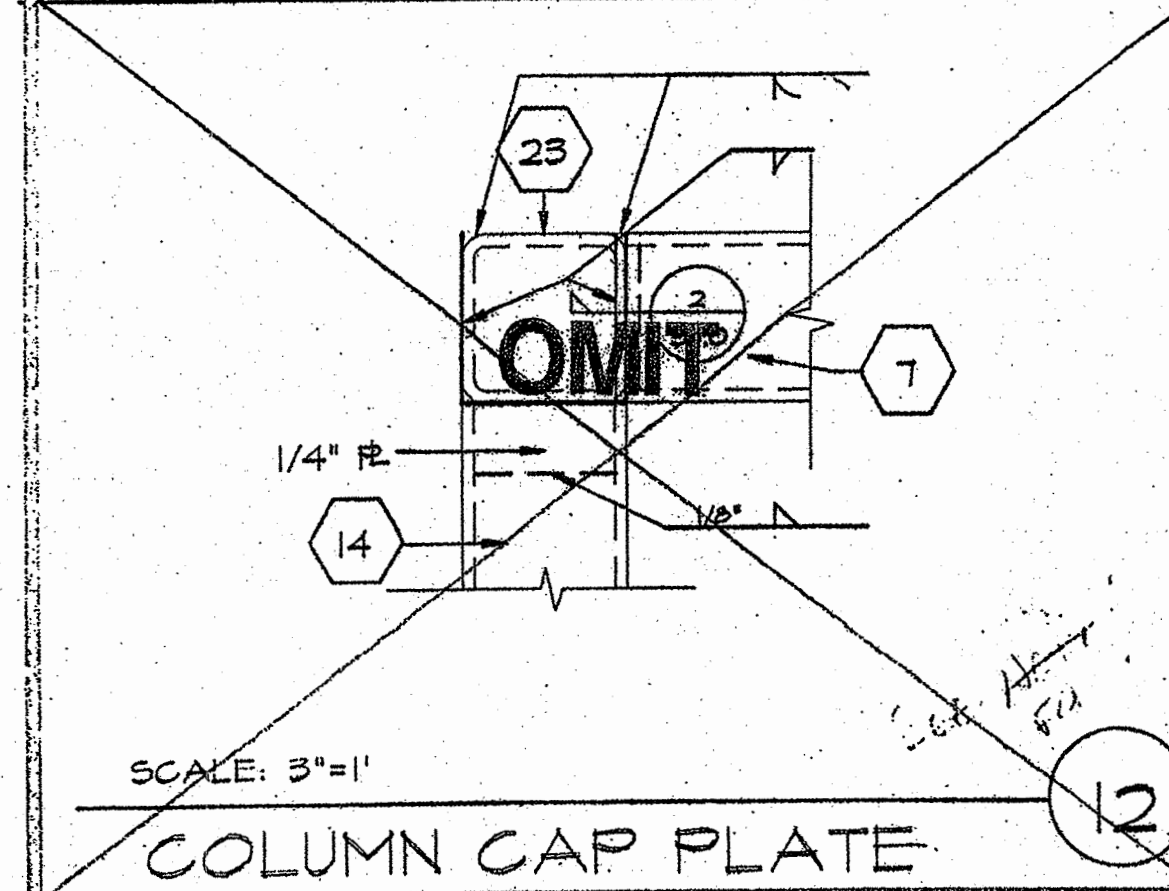
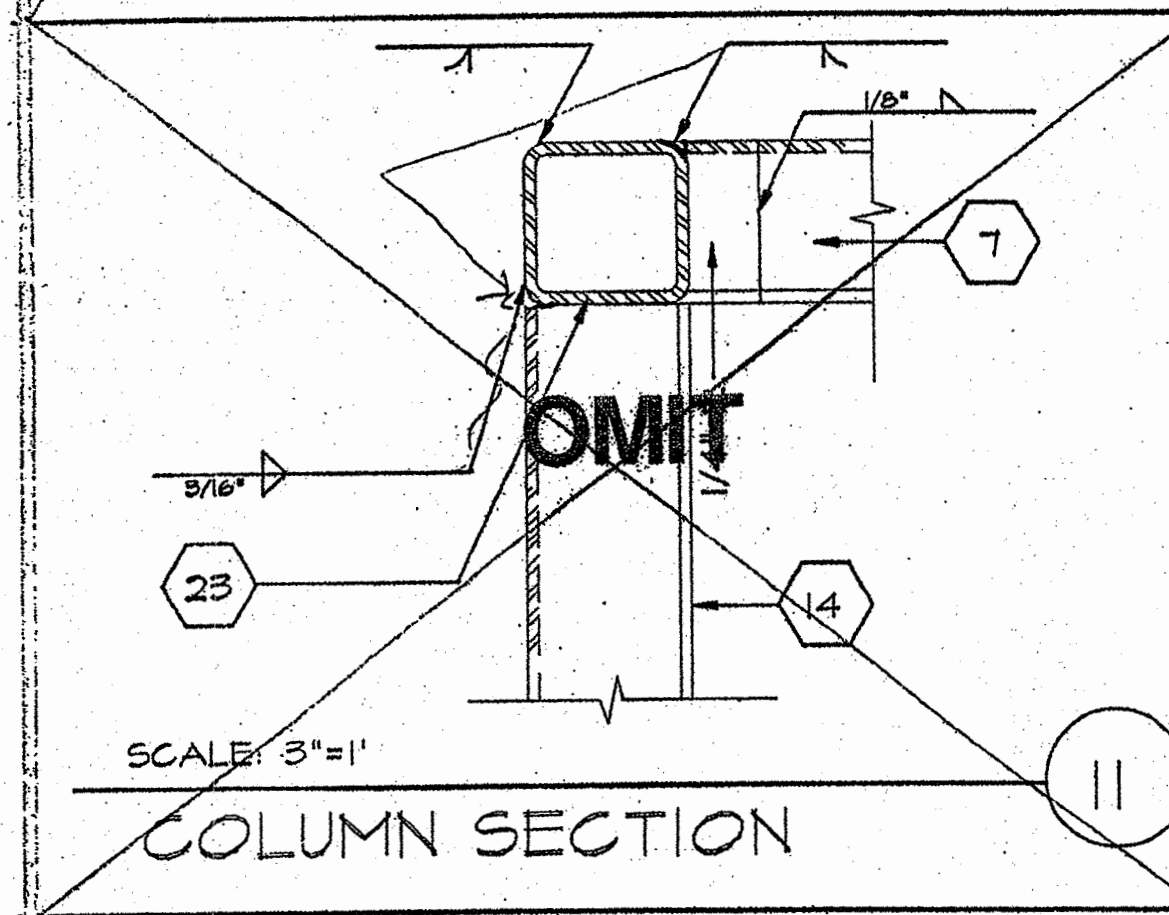
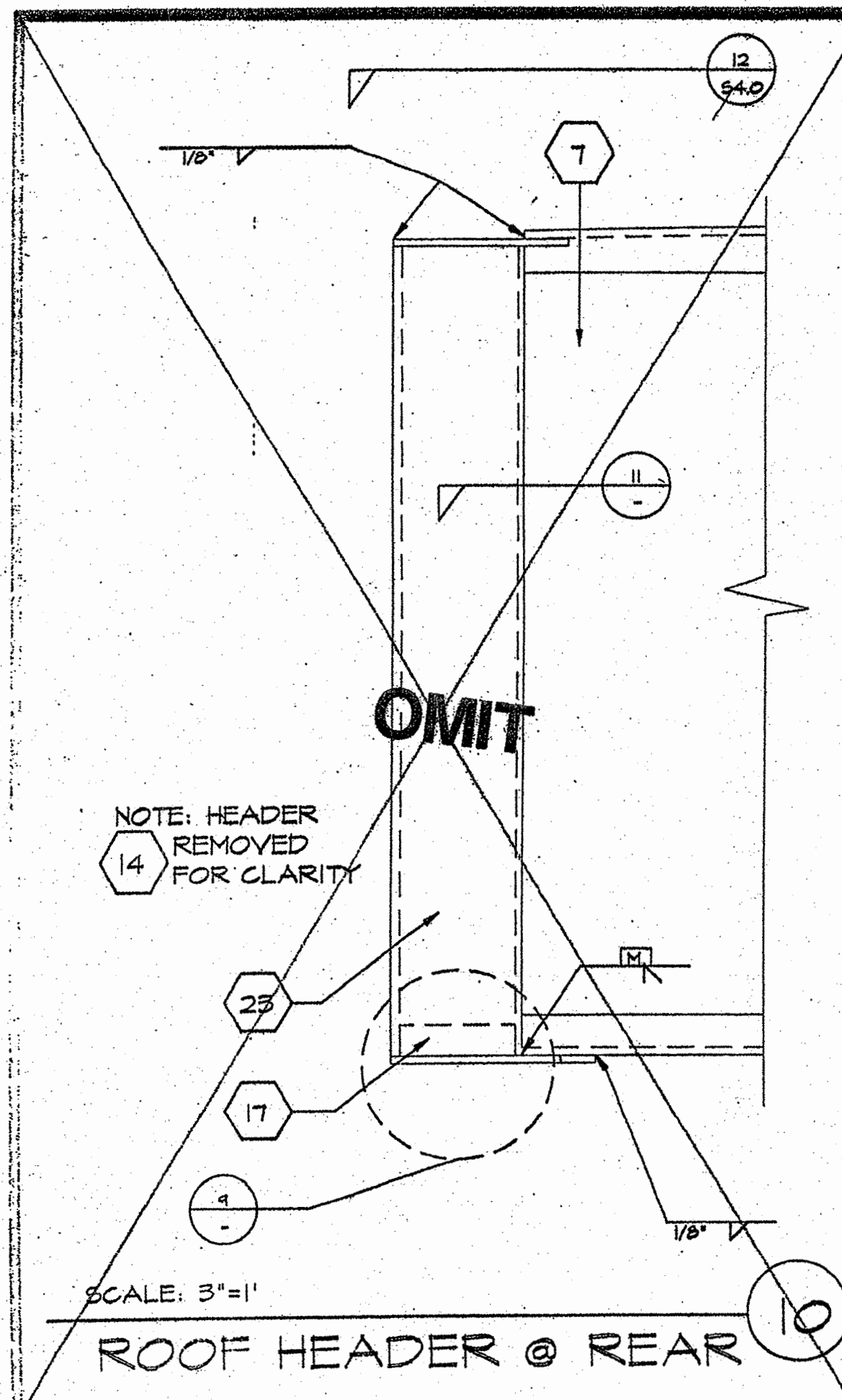
ARCHITECT ELECTRICAL STRUCTURAL MECHANICAL FIRE MARSHAL ACCESS COMPLIANCE STRUCTURAL SAFETY



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CLASS LEASING PORTION 3 4012-061

STRUCTURAL DETAILS S3



- NOTES**
1. NOT USED
 2. 5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) @ 8' O.C.
 3. E.N.
 4. MODULE JOINT
 5. 1/4" @ 8' O.C. FULL DEPTH STIFFENER PLATE (SEE 9/53.1)
 6. STANDING ROOF SEAM (SEE A2.0)
 7. ROOF BEAM (SEE STRUCTURAL) SEE 1/53.1 & 7/53.1
 8. PLYWOOD FLOOR SHEATHING
 9. FLOOR JOIST 6/53.1
 10. FLOOR BEAM (SEE STRUCTURAL 5/53.1)
 11. HAND-HOLE @ BOLT LOCATION
 12. #14 STMS @ 16" O.C.
 13. 3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN
 14. ROOF HEADER (SEE STRUCTURAL 3/53.1)
 15. 1/4" STIFFENER PLANE SEE 9/53.1 FOR TYP. WELD
 16. CAP CLOSURE @ MODLINE 26GA. GALV. #10 STMS AT 48" O.C. W/NEOPRENE WASHER TO RIB SET BOTH SIDES OF CAP IN SEALANT
 17. 10GA. BACK-UP PL.
 18. NOT USED.
 19. NOT USED.
 20. 2"X2"X3/16" L
 21. 3 1/4"X1 1/2"X1/8" CH. F1 X 42 1/4" CHANNEL TOP & BOTTOM CENTER ON OPENING
 22. ROOF PURLIN SEE 2/53.1
 23. TUBE STEEL (SEE NOTE #13)

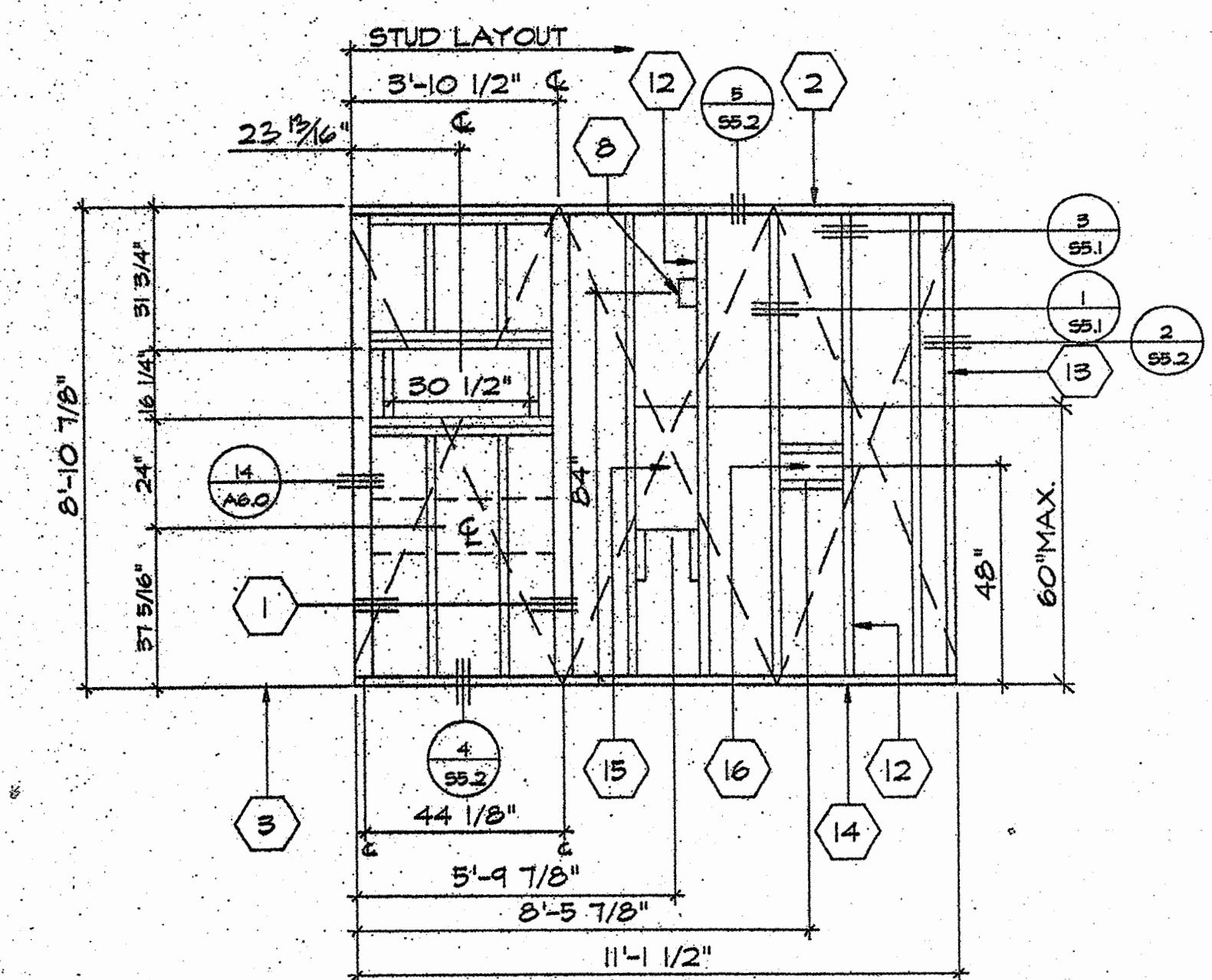
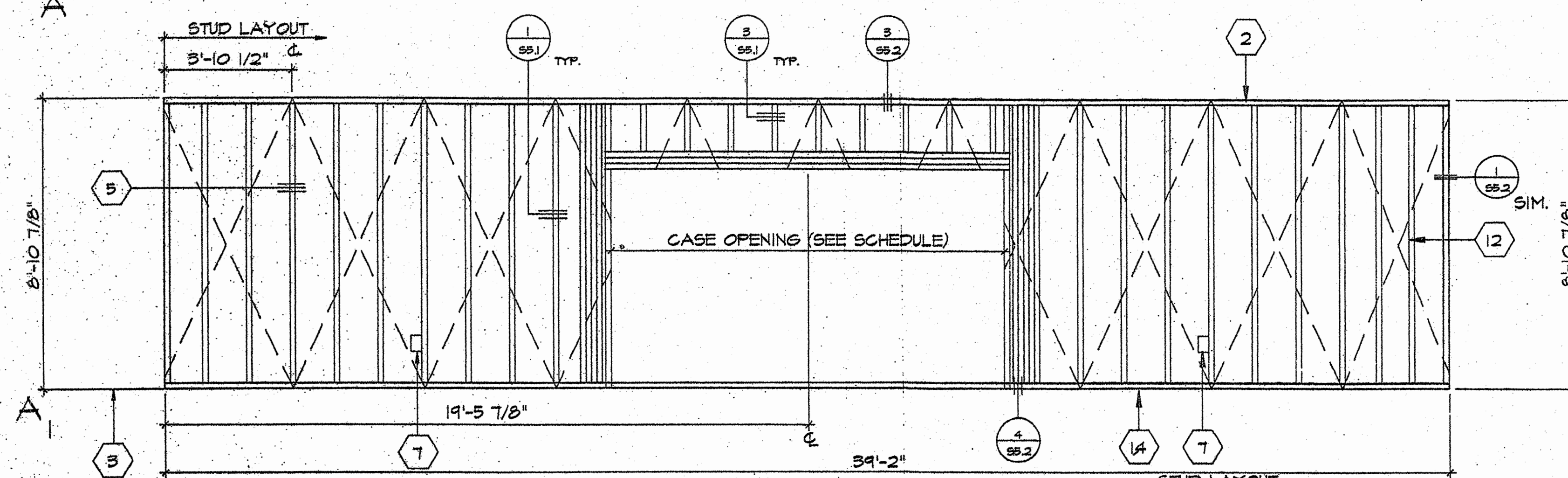
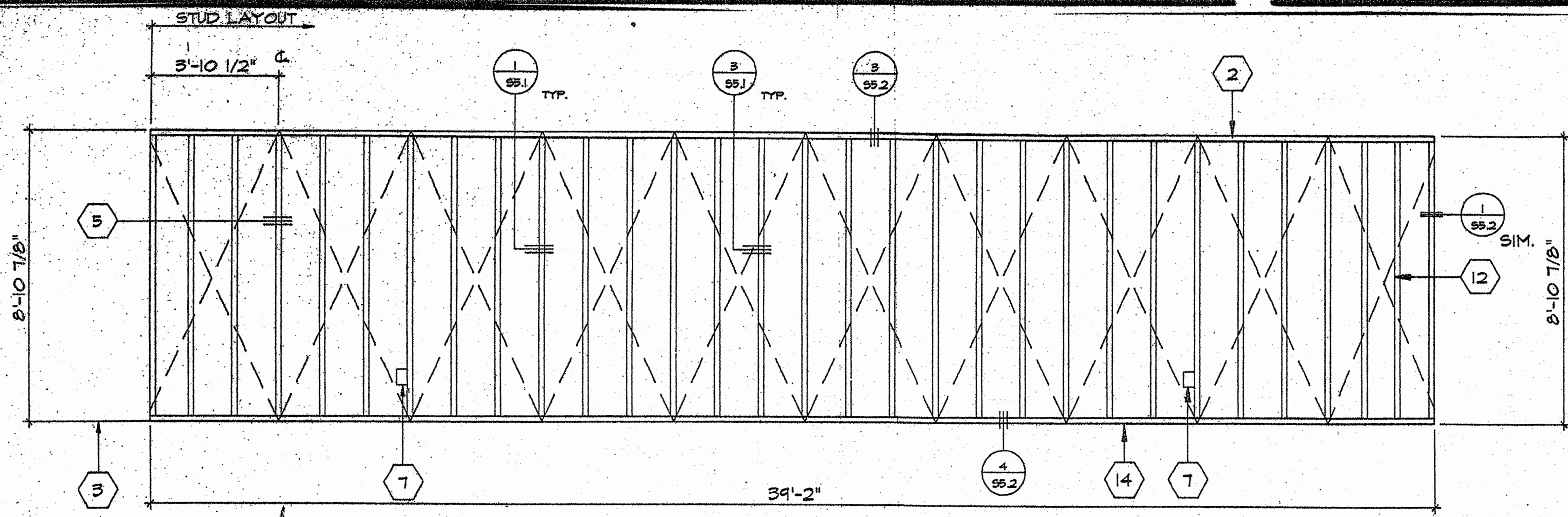
ARCHITECT ELECTRICAL STRUCTURAL MECHANICAL FIRE MARSHAL ACCESS COMPLIANCE STRUCTURAL SAFETY

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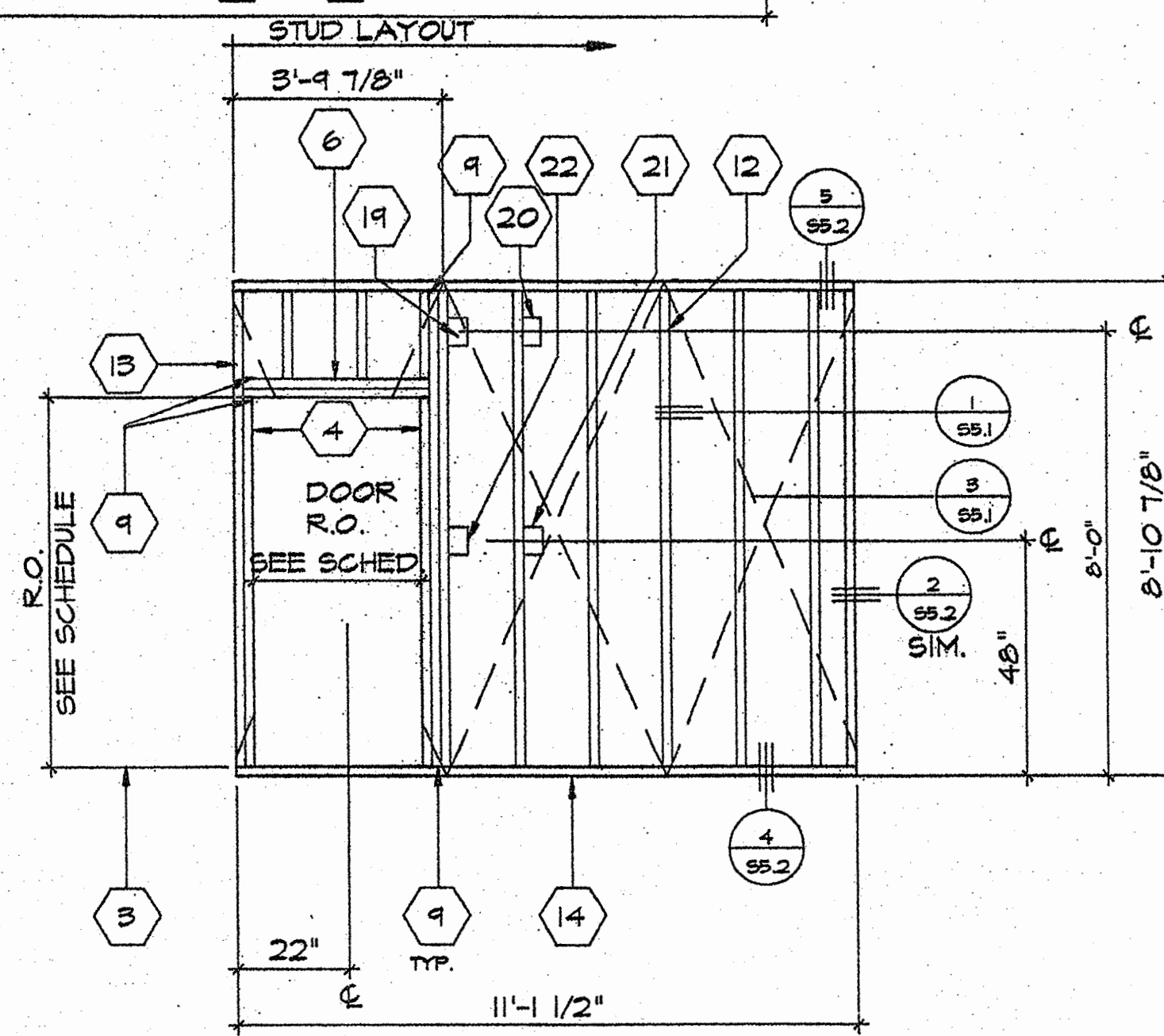
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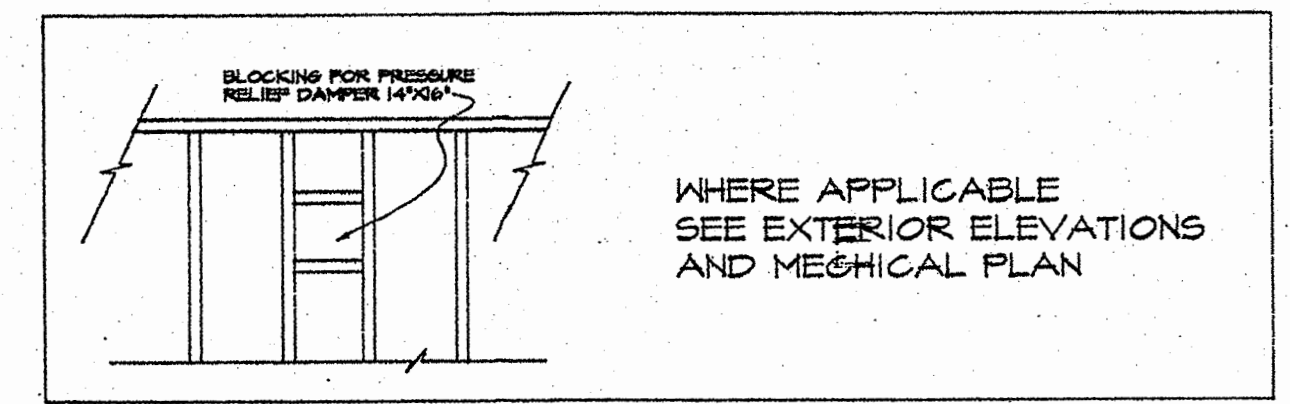
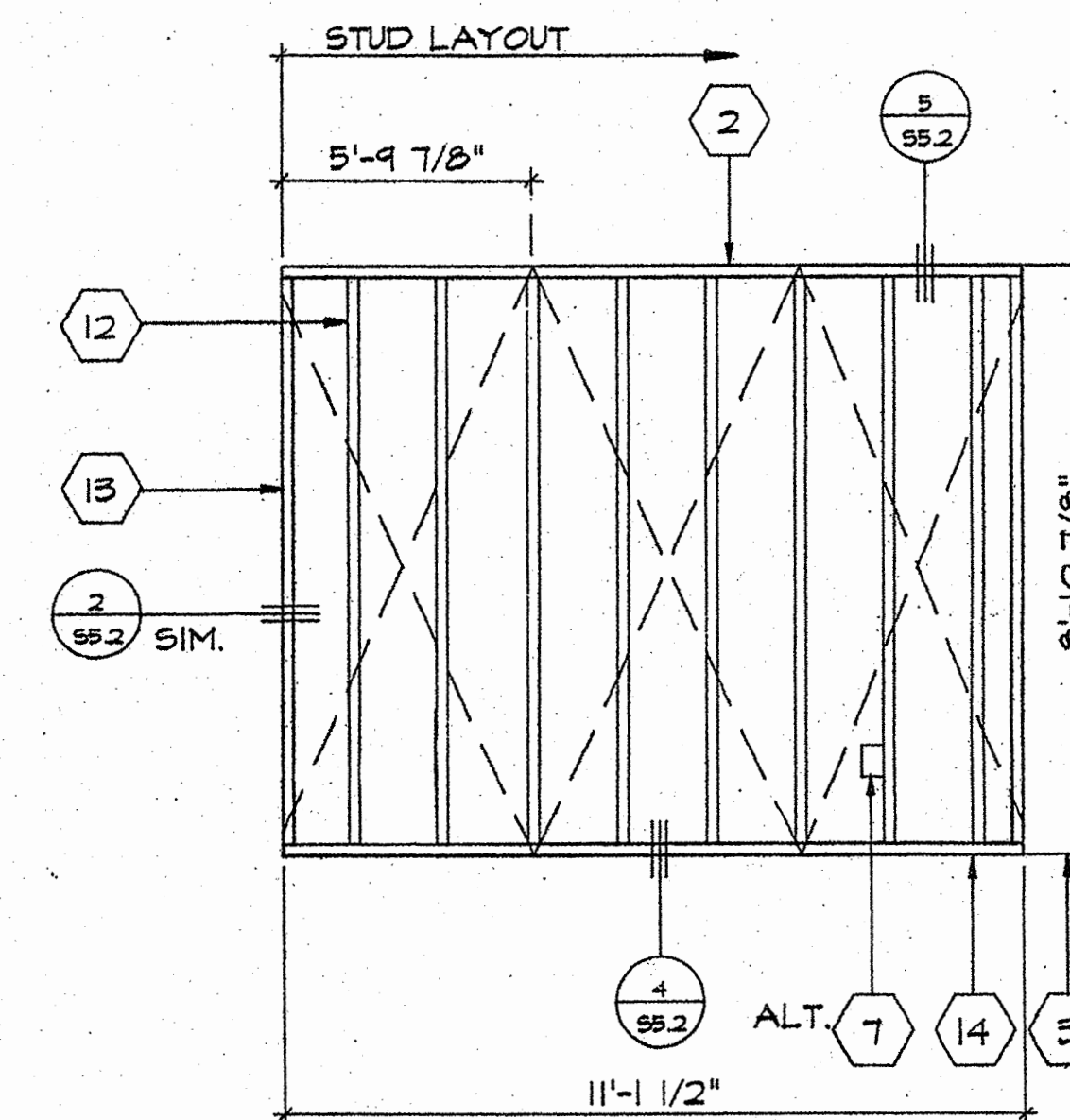
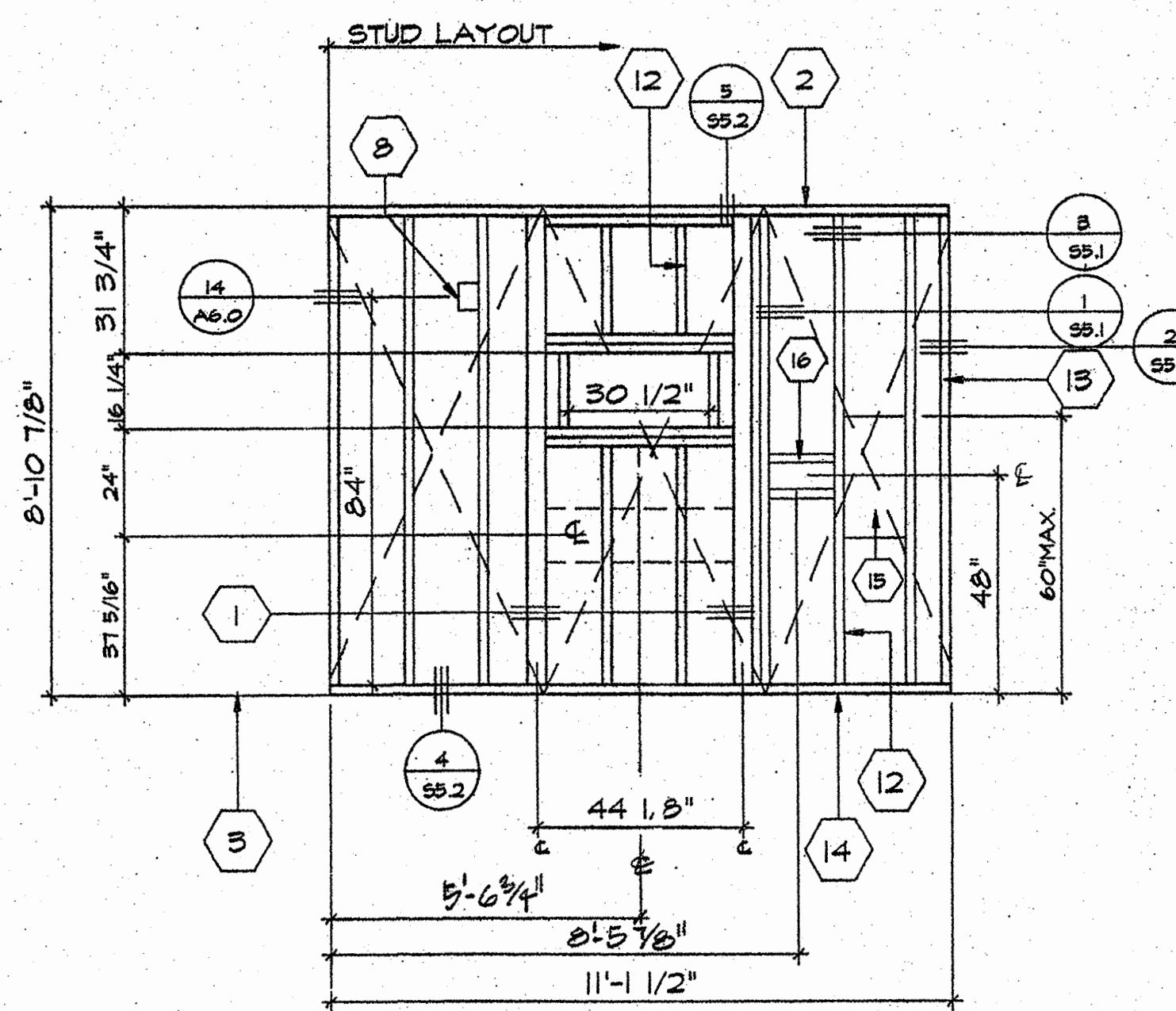
MODTECH INC. STKR-12 CLASS-007 STRUCTURAL DETAILS S4.C



C AS SHOWN
C₁ OPPOSITE HD.



D AS SHOWN
D OPPOSITE HAND



SCALE 3/8"=1'

NOTES

- 1 4X4 POST (ALTERNATE)
- 2 2X4 TOP PLATE
- 3 FINISH FLOOR
- 4 2X4 FULL HGT. KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT 55.1)
- 5 PRESSURE DAMPER
- 6 HEADER (SEE SCHEDULE 95.1)
- 7 DUPLEX OUTLET BOX
- 8 WINDOW SILL PLATE (SEE SCHEDULE 95.1)
- 9 A 3/4 CLIPS @ HEADER & SILL TO FULL HGT. STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES
- 10 NOT USED
- 11 NOT USED
- 12 2X4 STUD @ 16" O.C. TYPICAL
- 13 2X4 NAILER TYPICAL @ EACH END
- 14 2X4 SILL PLATE
- 15 FRAME FOR ELECTRICAL PANEL
- 16 THERMOSTAT LOCATION 45 BOX
- 17 FULL HGT. STUDS AND 1-2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED SHT. 55.1)
- 18 CLOCK OUTLET +84 AFF
- 19 "J" BOX FOR EXTERIOR LIGHT FIXTURE (TO EXTERIOR) (SEE ELECTRICAL)
- 20 FIRE HORN (TO EXTERIOR)
- 21 FIRE PULL STATION (TO INTERIOR)
- 22 LIGHT SWITCH BOX

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY

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CLASS LEASING

PORTION 3
4012-061
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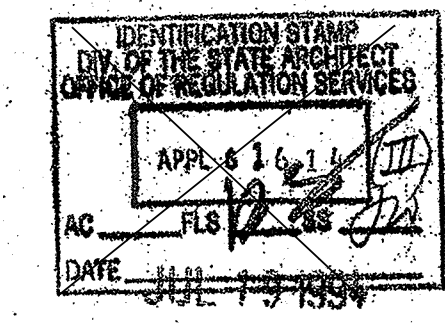
WALL FRAMING 55.0

NOTES

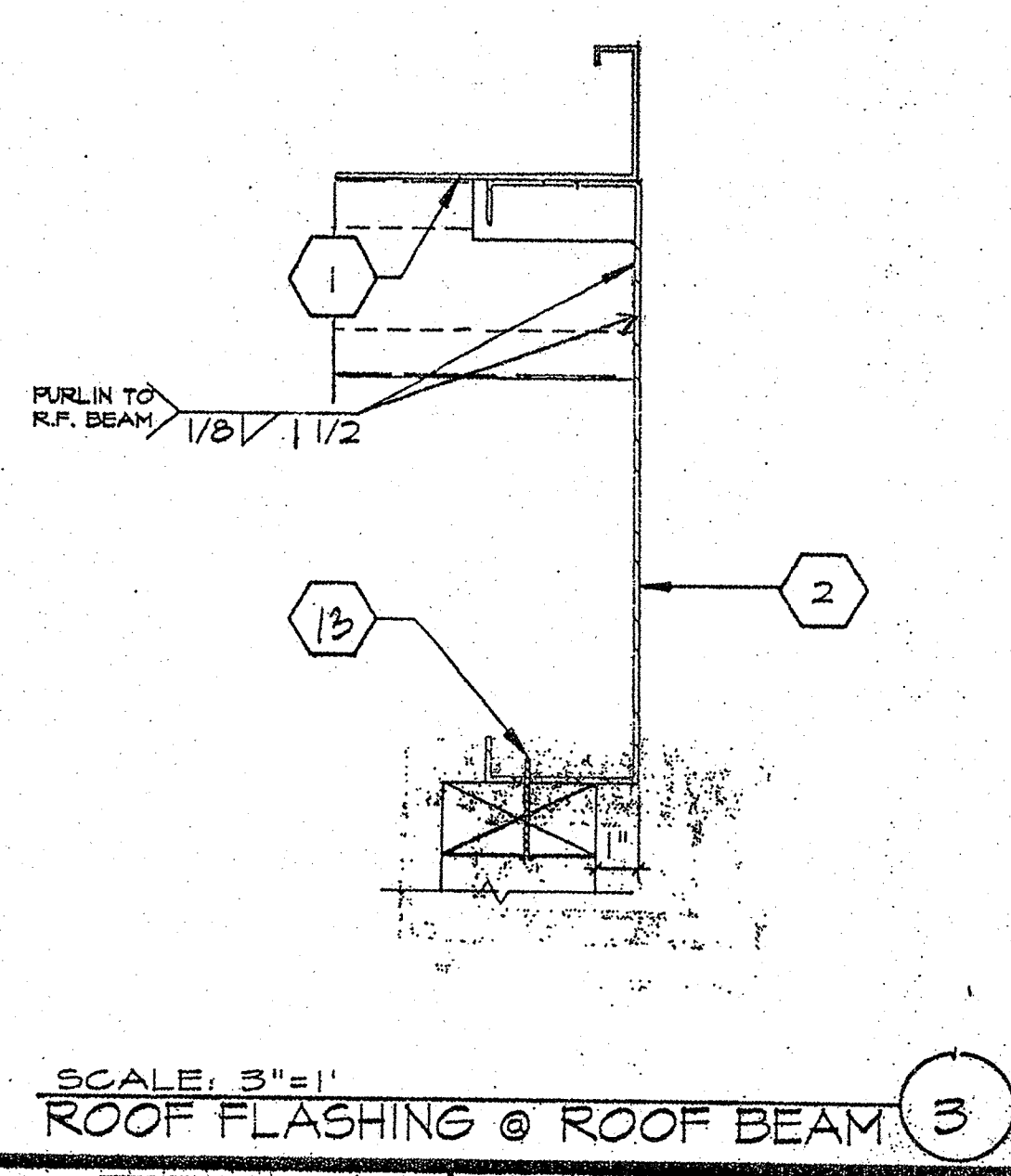
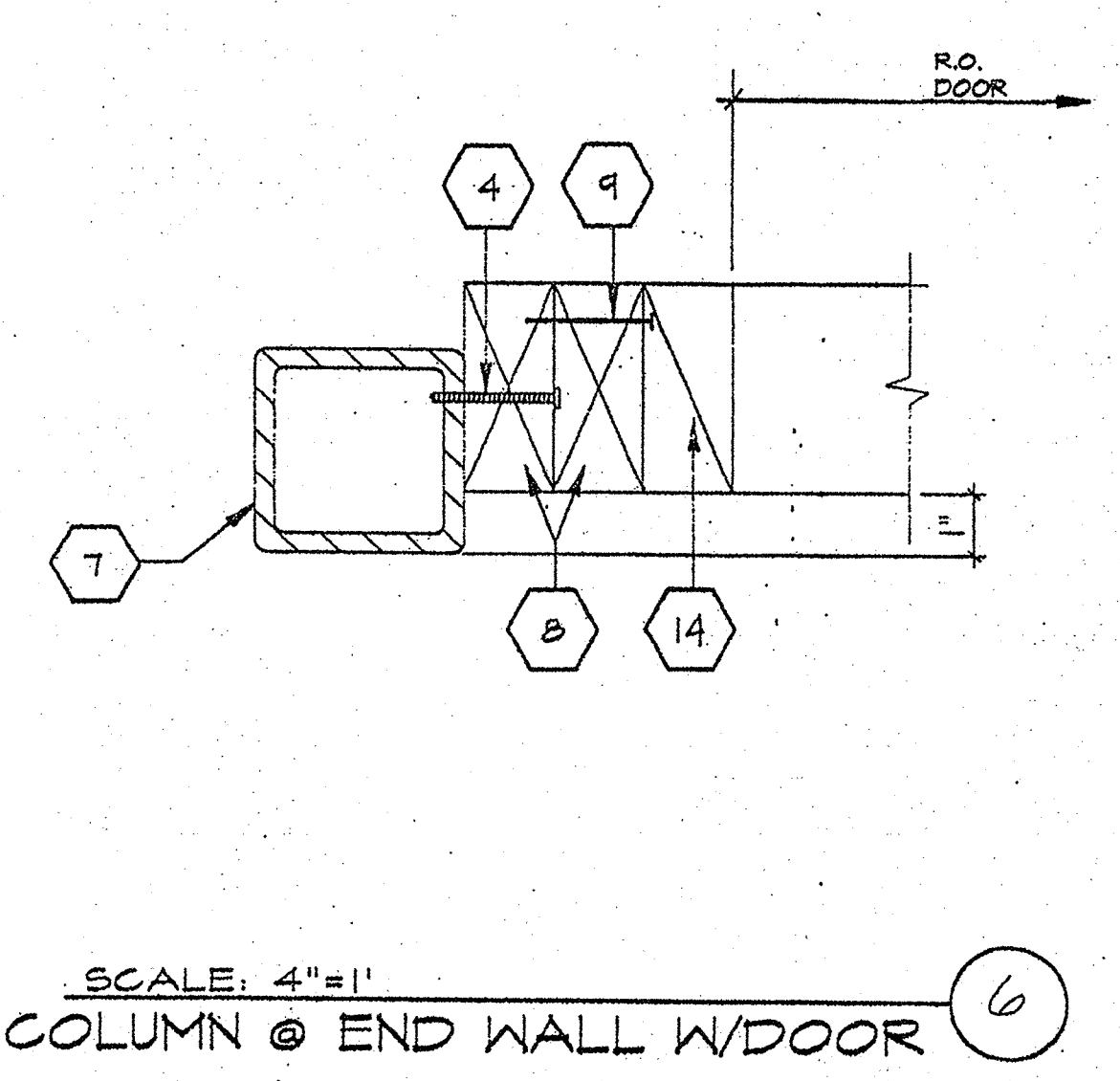
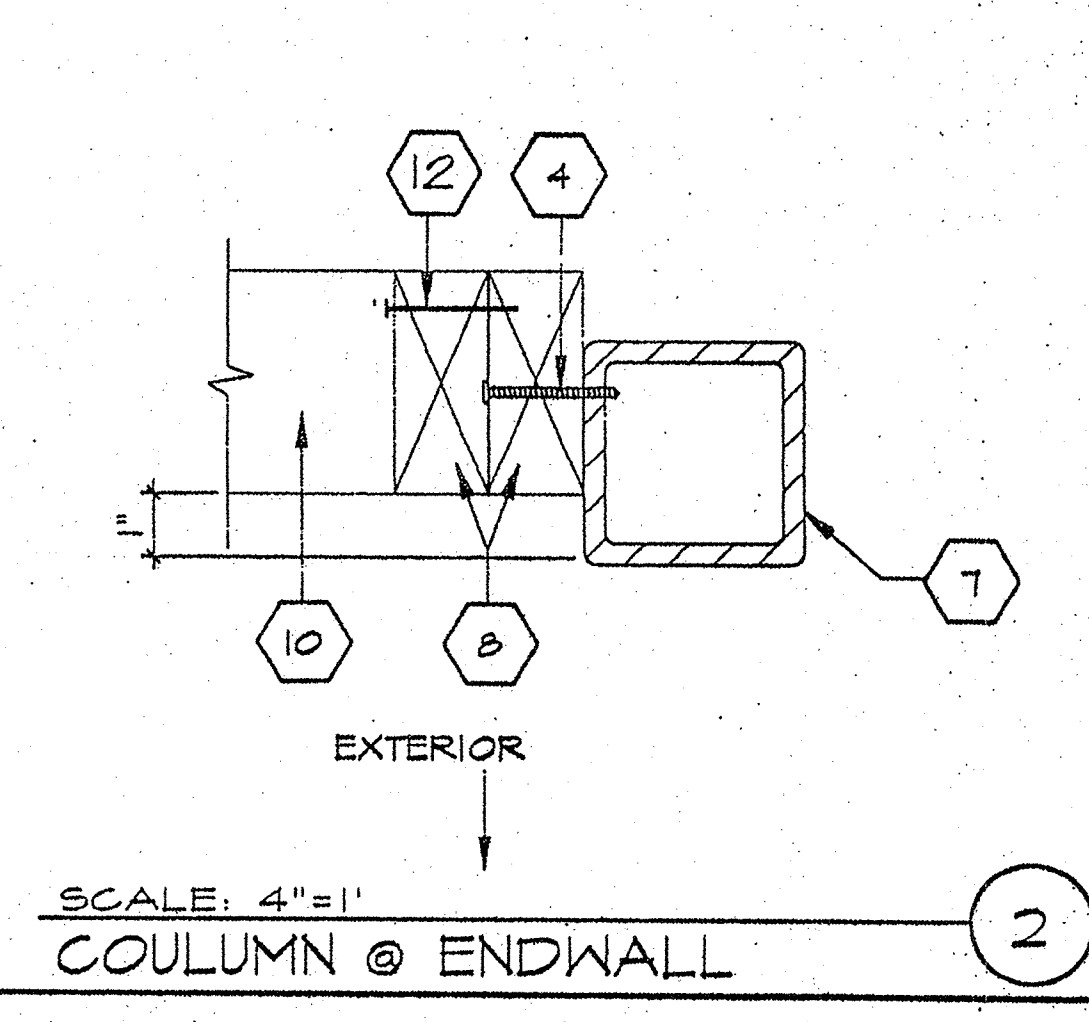
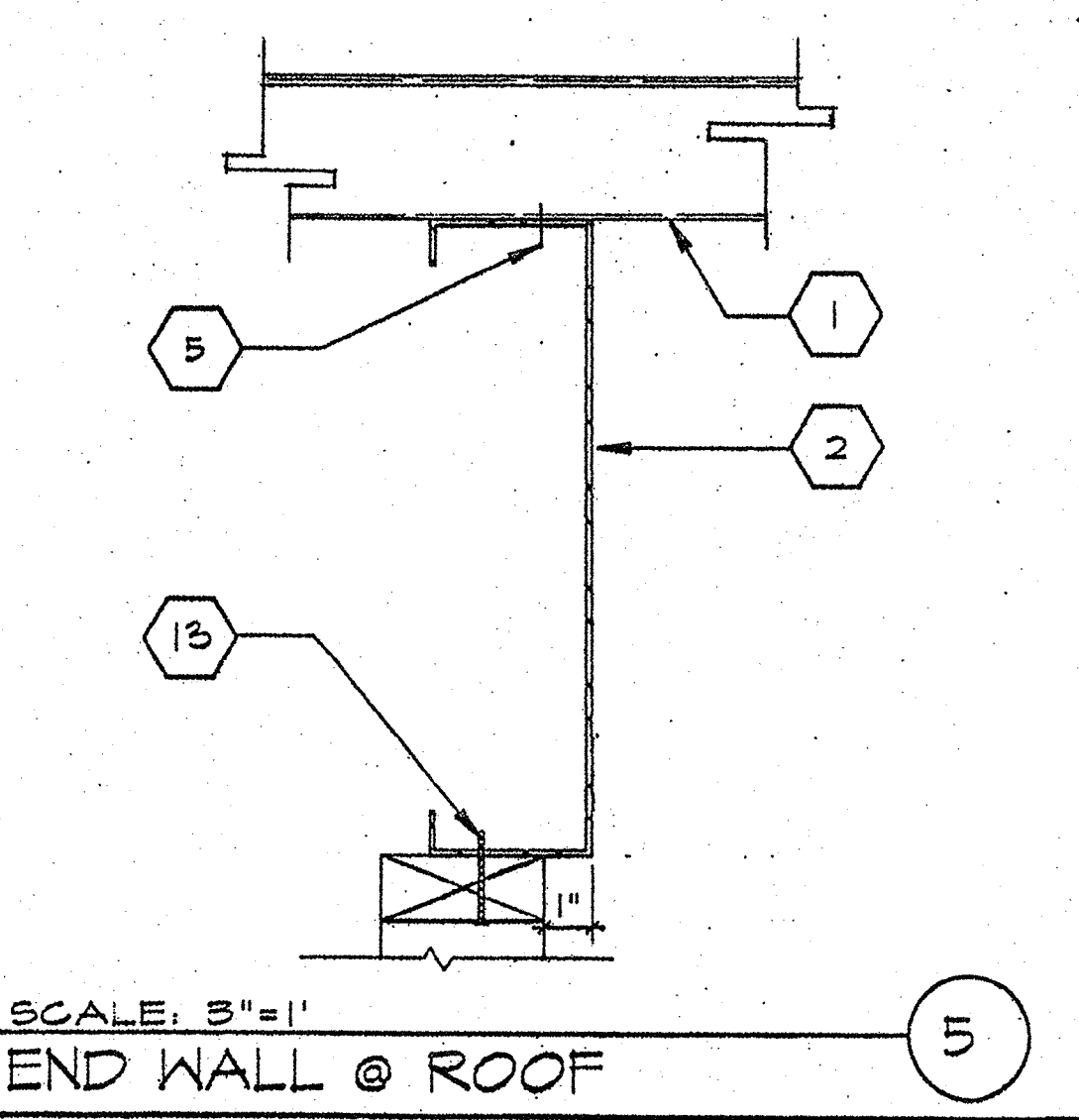
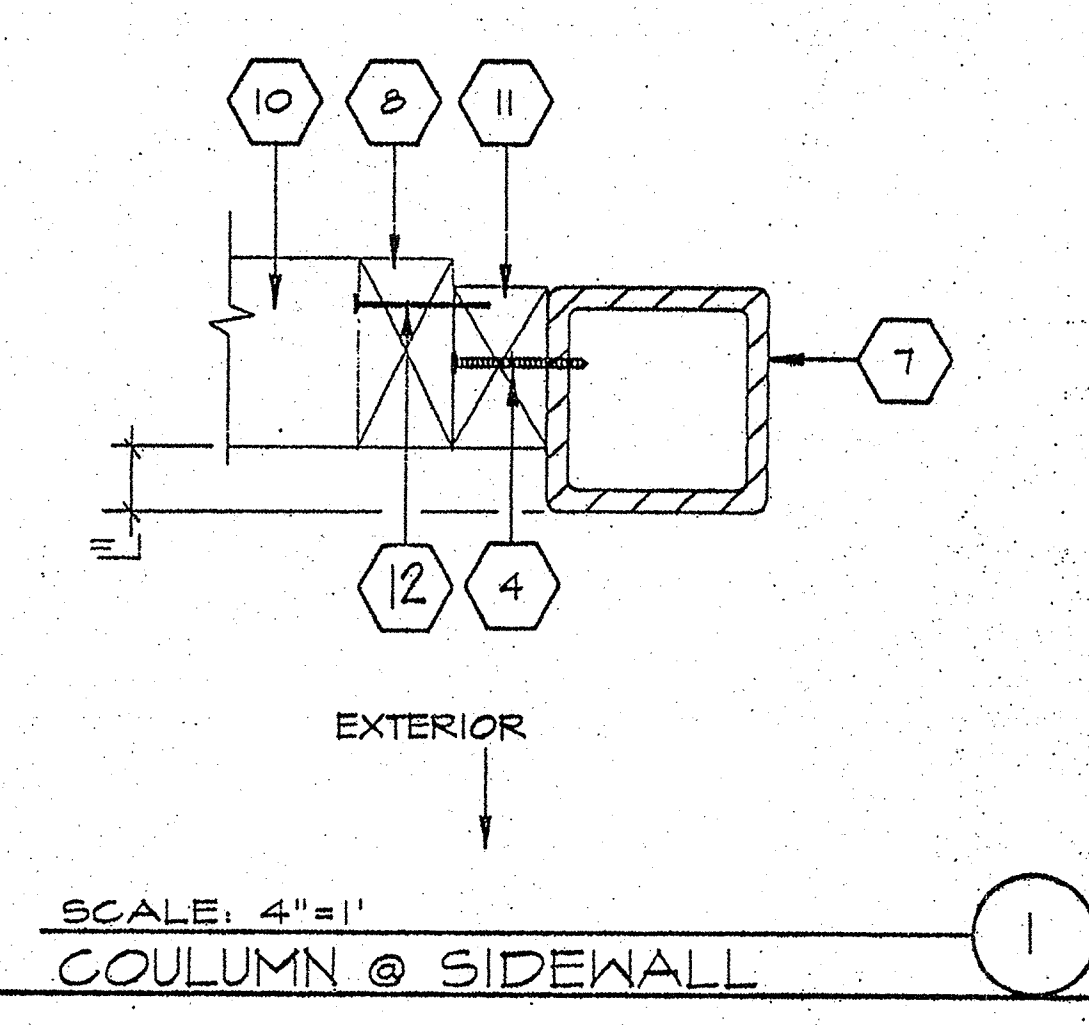
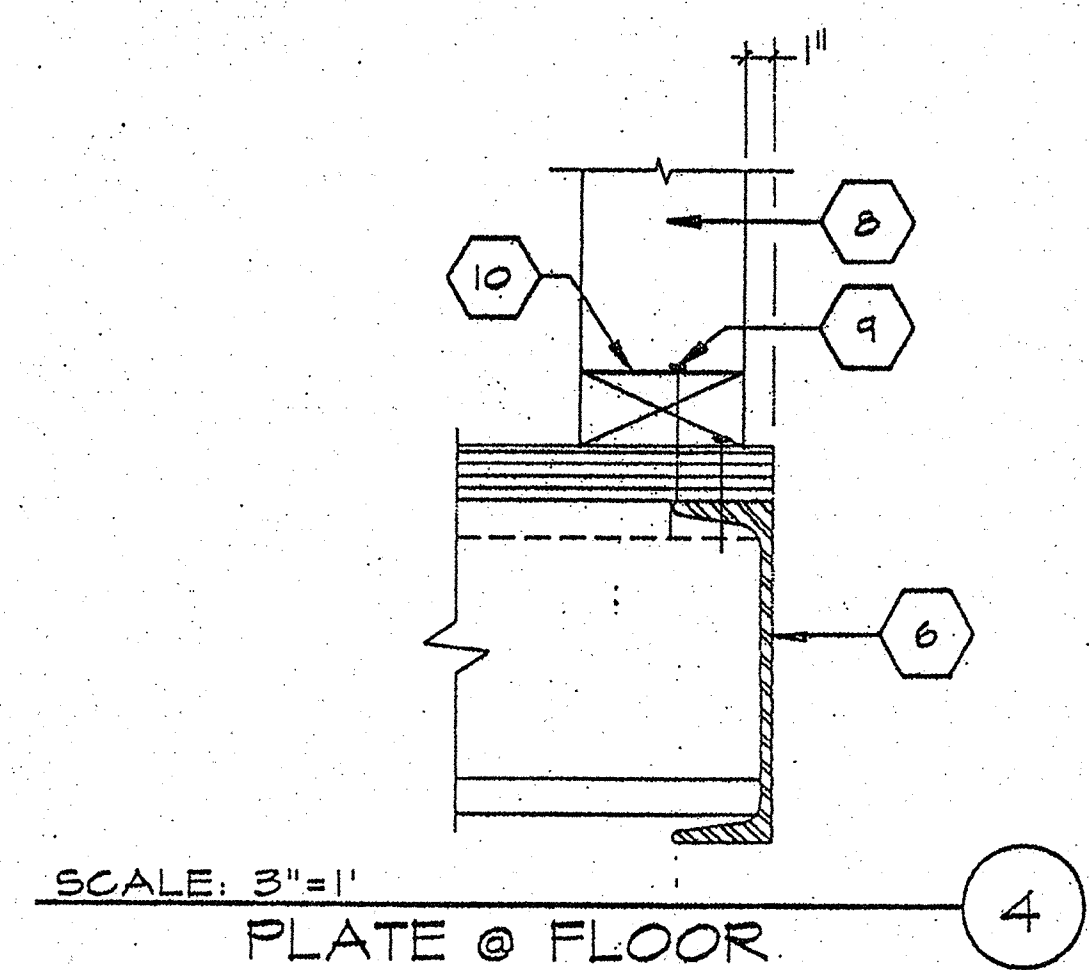
- 1 22 GA. MTL ROOF DECK SEE 92.0
- 2 1 1/2" GA X 14" HEADER
- 3 1 1/2 X 1 1/2 X 16 GA. L
- 4 #10 S.T.S.M.S @ 24" O.C.
- 5 E.N. 22 GA. MTL ROOF TO BEAM (SEE STRUCTURAL SEE 92.0)
- 6 FLOOR BEAM (SEE STRUCTURAL)
- 7 TUBE STEEL COLUMN
- 8 2X4 STUD @ 16" O.C. TYP.
- 9 16d BOX NAILS @ 8" O.C.
- 10 2X4 SILL PLATE
- 11 2X TRIMMER @ CORNER
- 12 16d @ 24" O.C. (BOX)
- 13 #10 STMS @ 16" O.C.
- 14 2X4 TRIM

GENERAL NOTES

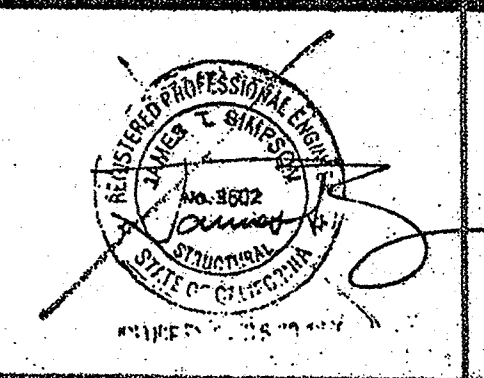
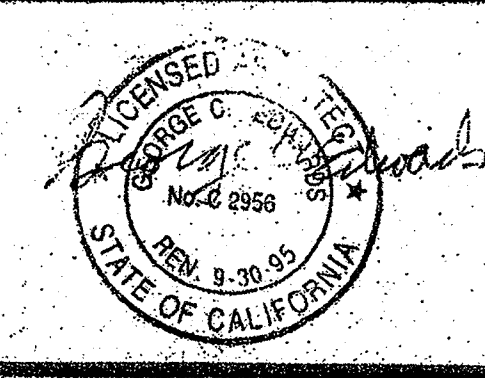
1. ALTERNATE: USE 0.1450 SHOT PIN @ SAME SPACING AS #10 STMS



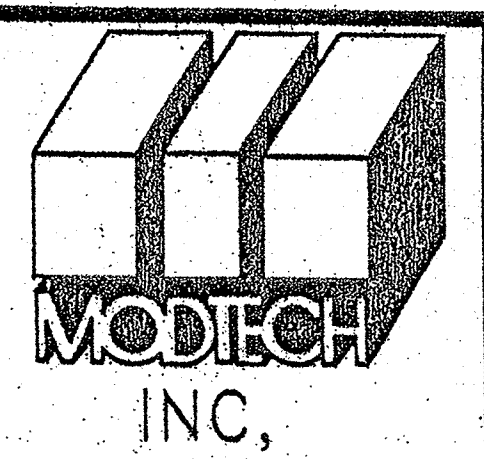
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ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL	FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY
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 Department of General Services
 MAY 24 1993
 Structural Safety Section
 Checked By PC 243 J/S



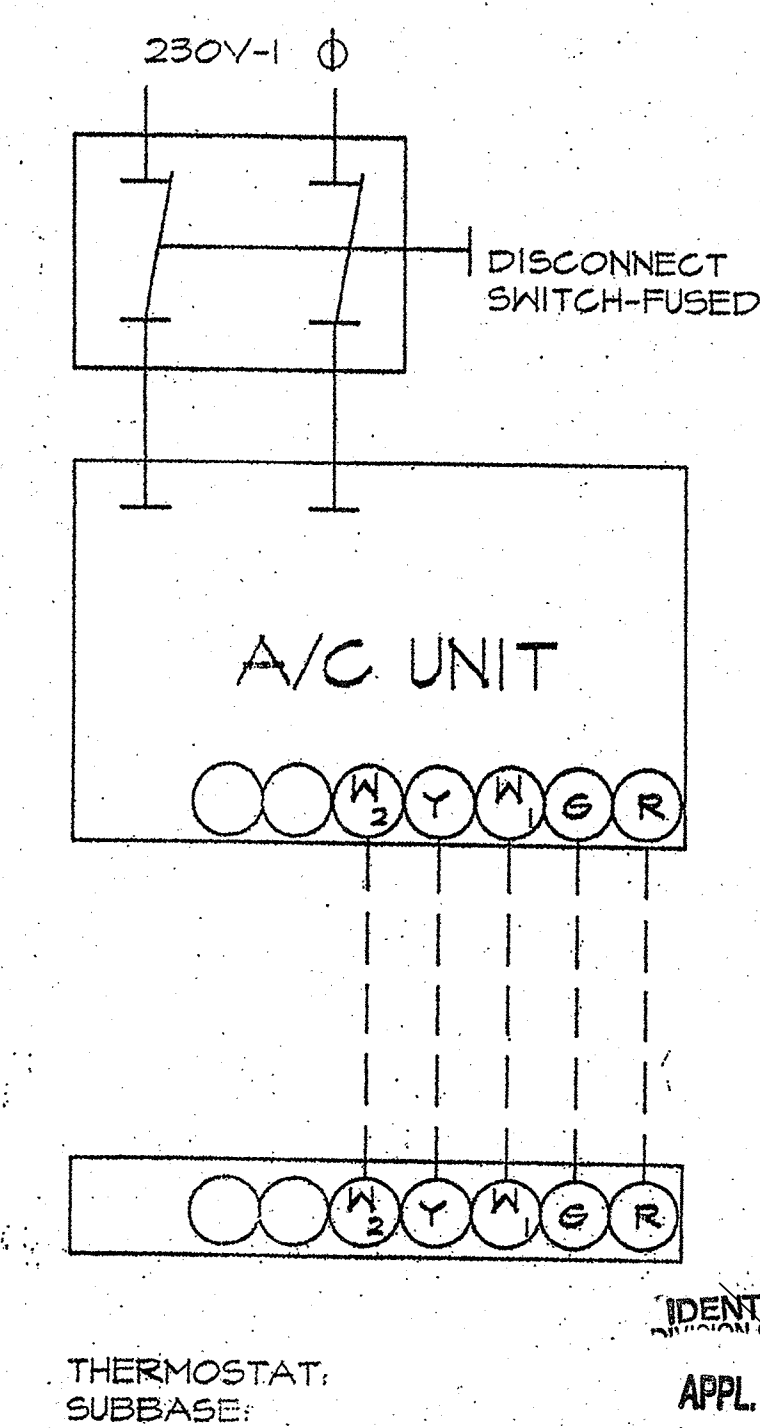
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 PORTION 8
 4012-061
 ATKP-18 CLS8.007
 FRAMING ELEVATIONS AND DETAILS

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EQUIPMENT SCHEDULE

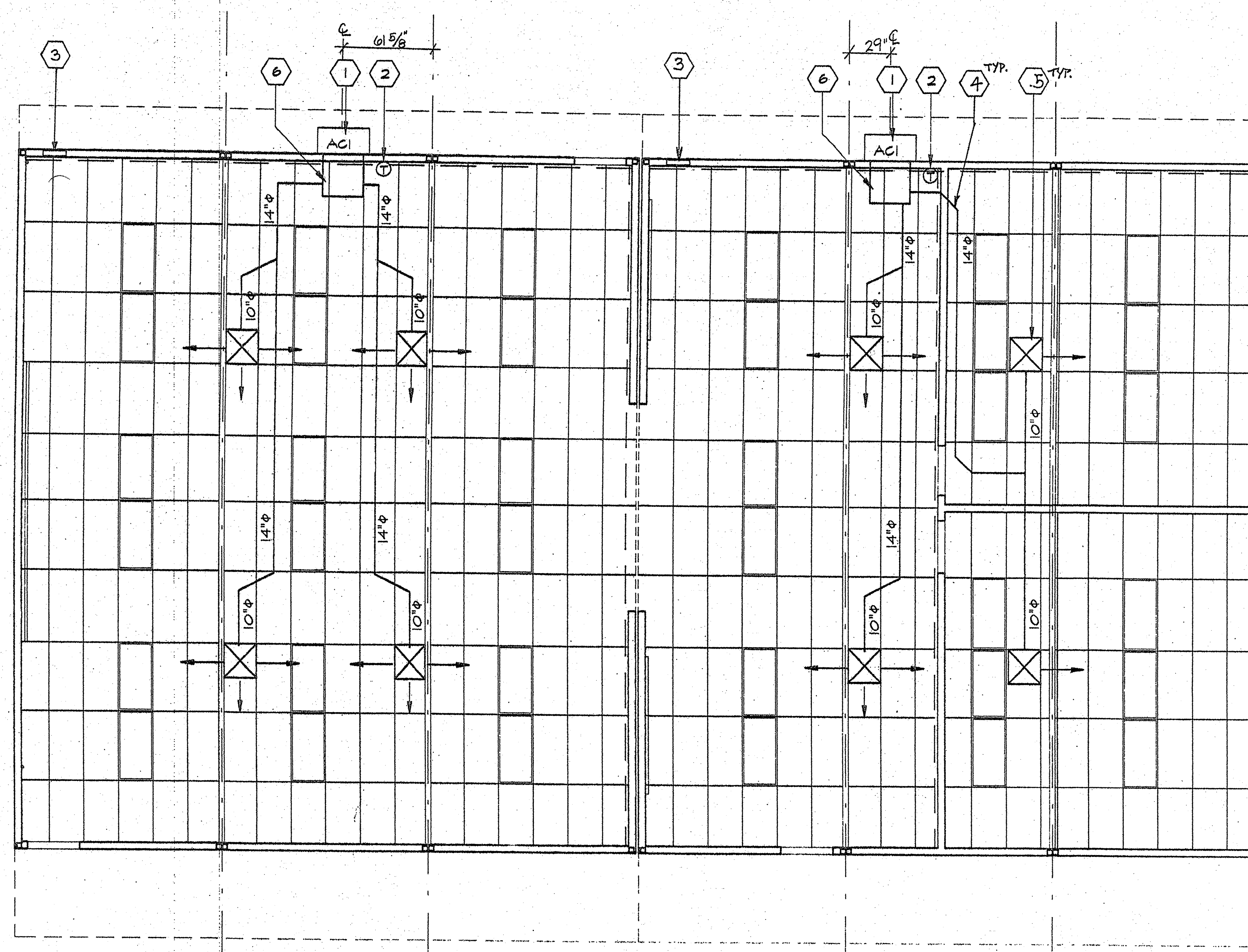
- 1 ACI - WALL MOUNTED HEAT PUMP NOMINAL 36,000 BTUH COOL/36,000 BTUH HEAT W/ 5KW HEATER (OPTIONAL) Q.L.A. & CALIFORNIA STATE ENERGY APPROVED - 1400 CFM - 208/230V 1 PHASE, MAX. F.L.A. 58 AMPS -WT.515lbs.
- 2 T THERMOSTAT-WHITE ROGERS IF92
- 3 PRESSURE DAMPER
- 4 FLEX DUCT (SEE SPECS)
- 5 15X15 4W 400CFM SUPPLY AIR GRILLE
- 6 10'X30'X2' PLENUM (SEE SPECS)

CONTROL SCHEMATIC



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 DIV. OF THE STATE ARCHITECTURE
 OFFICE OF REGULATION SERVICES
 APPL-112222
 DATE: JUL 10 2011

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 DIV. OF THE STATE ARCHITECTURE
 APPL-112222
 DATE: AUG 30 2011



SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE MECHANICAL ENGINEER'S INFORMATION ONLY:
 THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (g) AND TABLE 23-P. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS. AND HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

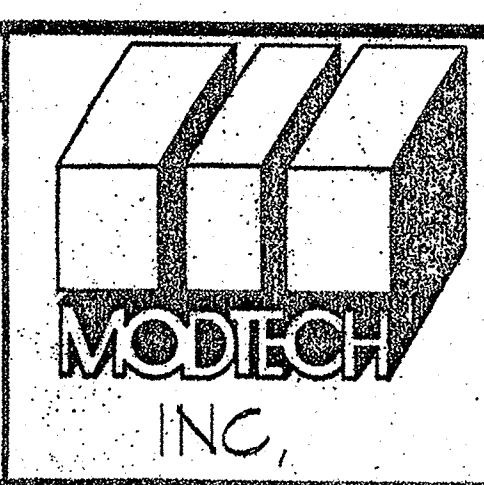
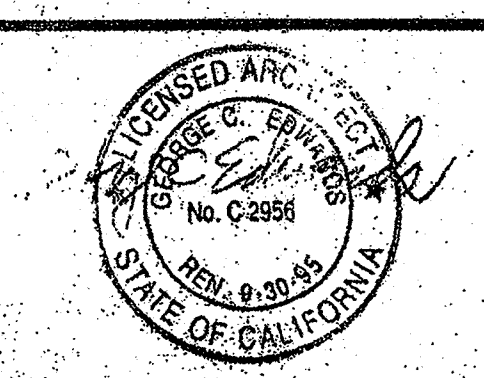
FOR MECHANICAL DRAWINGS:
 ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 0.4.

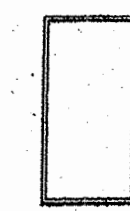








WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGR. AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

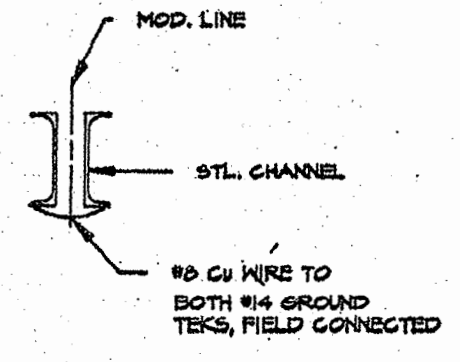


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4012-061
STKP-12 CLLS.007
 MECHANICAL PLAN (HVAC) **M1.0**

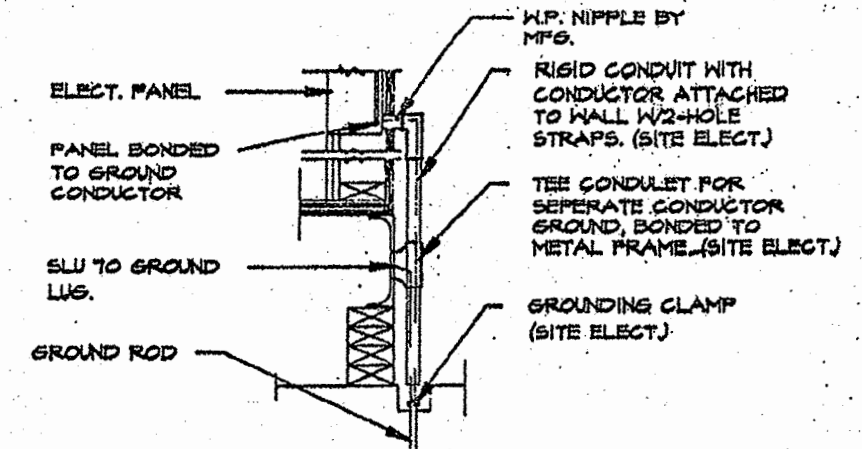
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 DATE

LEGEND

-  2'x4' FLUORESCENT LIGHT AND FIXTURE 4-TUBE (SEE SPEC'S)
-  EXTERIOR LIGHT FIXTURE
-  DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE
-  THERMOSTAT
-  "J" BOX
-  4s JUNCTION BOX FOR FIRE ALARM
-  ELECTRICAL PANEL "A" TYPE-B10 12/20
-  SWITCH
-  PULL STATION

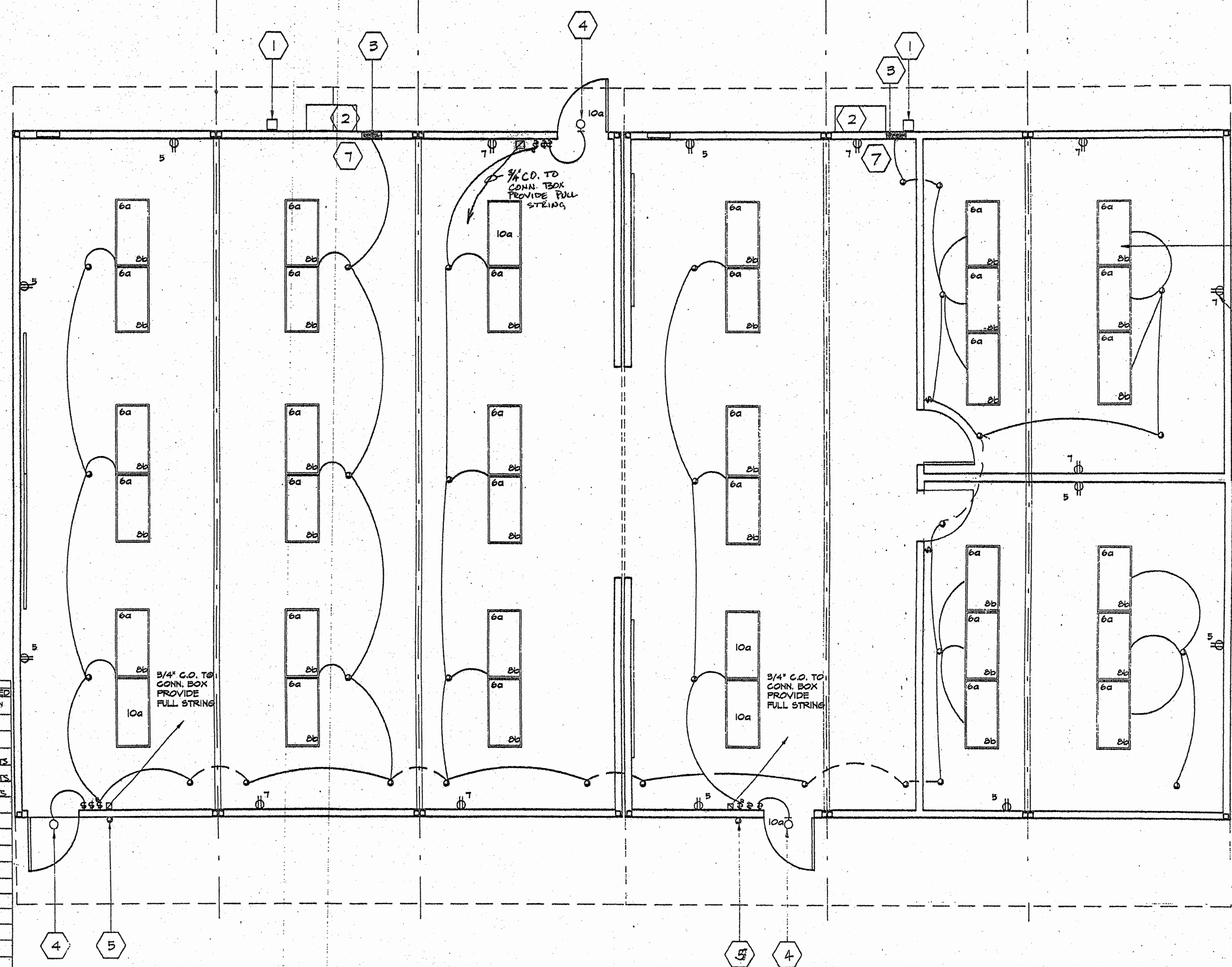


JUMPER @ MOD. LINE



TYPICAL GROUNDING DETAIL

1. EACH BUILDING SHALL BE SEPARATELY GROUNDING WITH A 5/8" RIGID COPPER/CLAD STEEL GROUND ROD. WHERE ROD BOTTOM IS UNCONTAINED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL)
2. TESTING FOR RESISTANCE TO GROUND: IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE 2-31
4. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MUST BE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
5. GROUNDING TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.



NOTES

- ① 4/5DP WEATHER PROOF GUTTER BOX 418" (6X6X4)
- ② HVAC UNIT (SEE SHT. M-1)
- ③ ELECTRICAL PANEL "A" TYPE-B10 12/20
- ④ EXTERIOR LIGHT FIXTURE
- ⑤ 4s JUNCTION BOX FOR FIRE ALARM
- ⑥ DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE
- ⑦ CLOCK OUTLET (SEE SPEC'S)
- ⑧ 2'x4' FLUORESCENT LIGHT AND FIXTURE 4-TUBE (SEE SPEC'S)

GENERAL NOTES

- ① 4s JUNCTION BOX FOR FIRE ALARM FULL STATION
- ② DUPLEX OUTLET @18" VON (SEE SPEC'S)

MOUNTING HEIGHTS

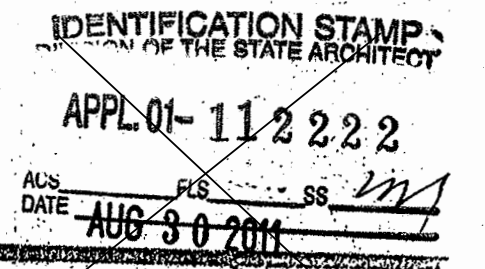
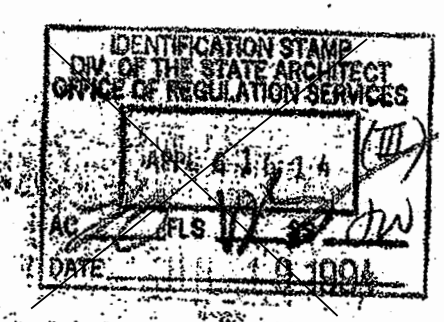
- RECEPTS 18"
- PORCH LITS 7'-6"
- F/A BELL EXTERIOR 8'-6"
- F/A FULL STATION 48"
- CLOCK OUTLET 7'-6"
- RAIN TITE EXT. J-BOX 18" (ABOVE FIN. FL)
- THERMOSTAT 48"
- MAIN PANEL BOX 5'-0"

PANEL	PANEL LOCATION	NO. OF CIRCUITS	NO. OF POLES	NO. OF CIRCUITS	NO. OF POLES	NO. OF CIRCUITS	NO. OF POLES	NO. OF CIRCUITS	NO. OF POLES	NO. OF CIRCUITS	NO. OF POLES	NO. OF CIRCUITS	NO. OF POLES
MAIN		1	A	2									
MAIN		3	B	4									
RECEPTS	540	3	A	6									
RECEPTS	720	4	B	8									
HVAC	540	2	A	10									
HVAC	540	2	B	12									
			A	14									
			B	16									
			A	18									
			B	20									
			A	22									
			B	24									
			A	26									
			B	28									
			A	30									
			B	32									
			A	34									
			B	36									

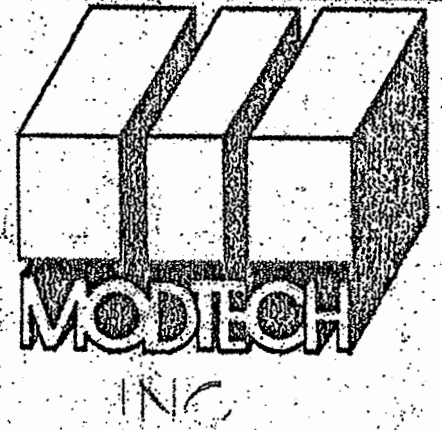
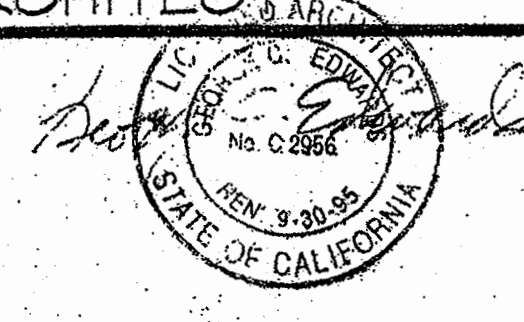
L.C.L. = 10,112
L.C.L. X125% = 12,640
OTHER = 1,260
TOTAL = 13,902 (578) SFA

ELECTRICAL PLAN

SCALE 1/4"=1'-0"



ARCHITECT ELECTRICAL STRUCTURAL MECHANICAL FIRE MARSHAL ACCESS COMPLIANCE STRUCTURAL SAFETY



JOB NO. 1967

© MODTECH INC. 1994

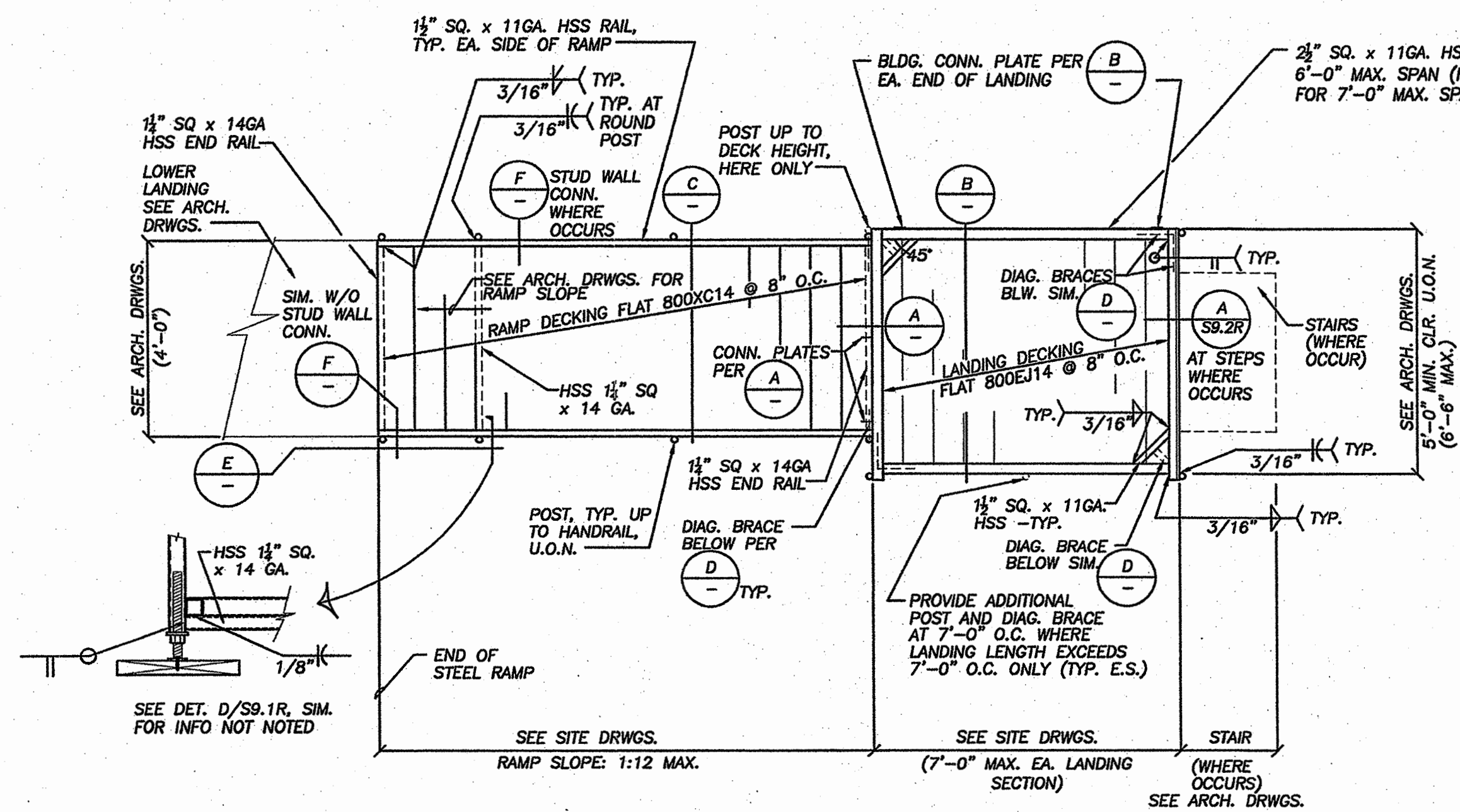
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PORTION 3
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STKP-12 CLLS.007

DRAWN BY CC
DATE 4/26
CHECKED BY
DATE

E.I.

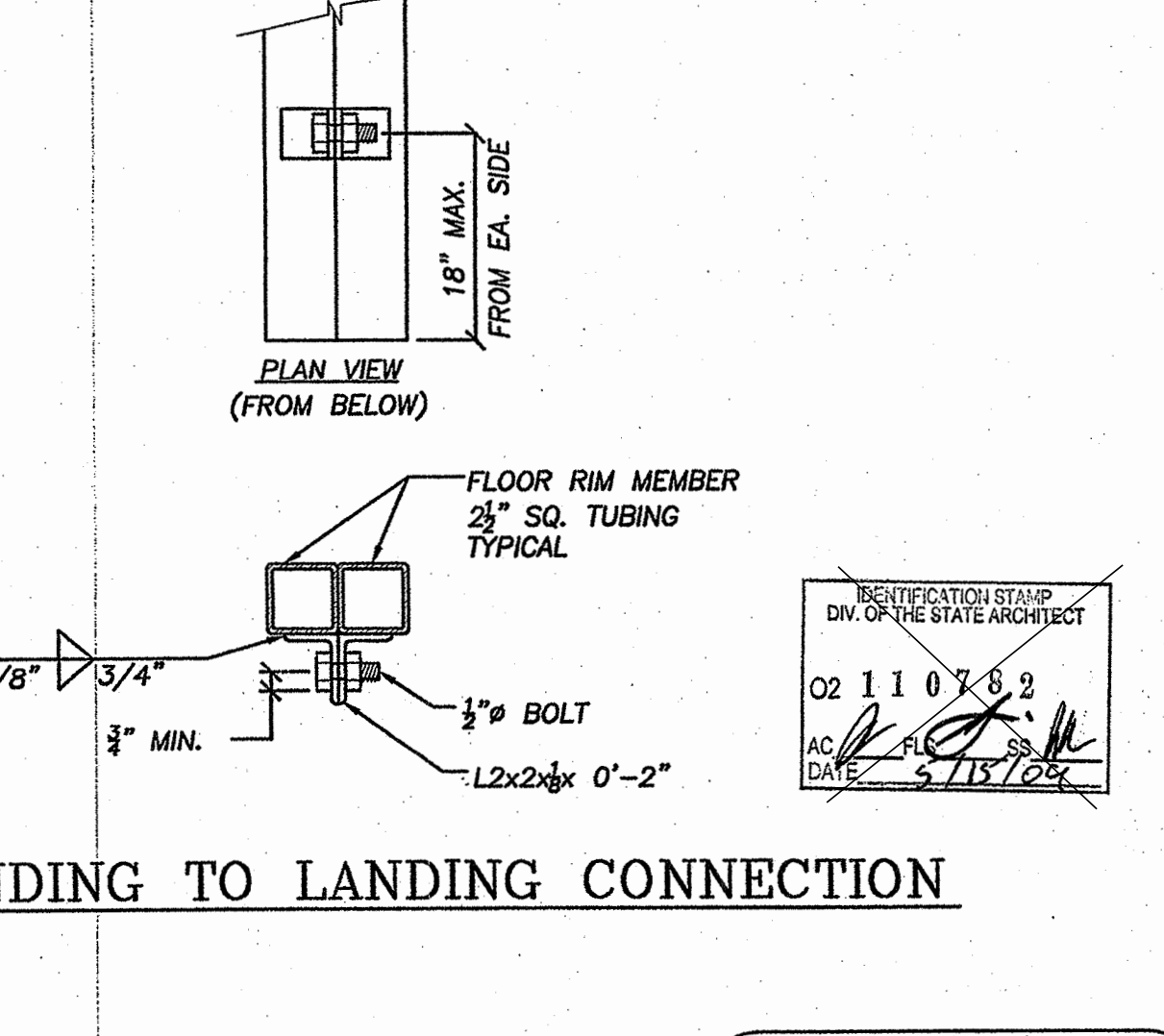
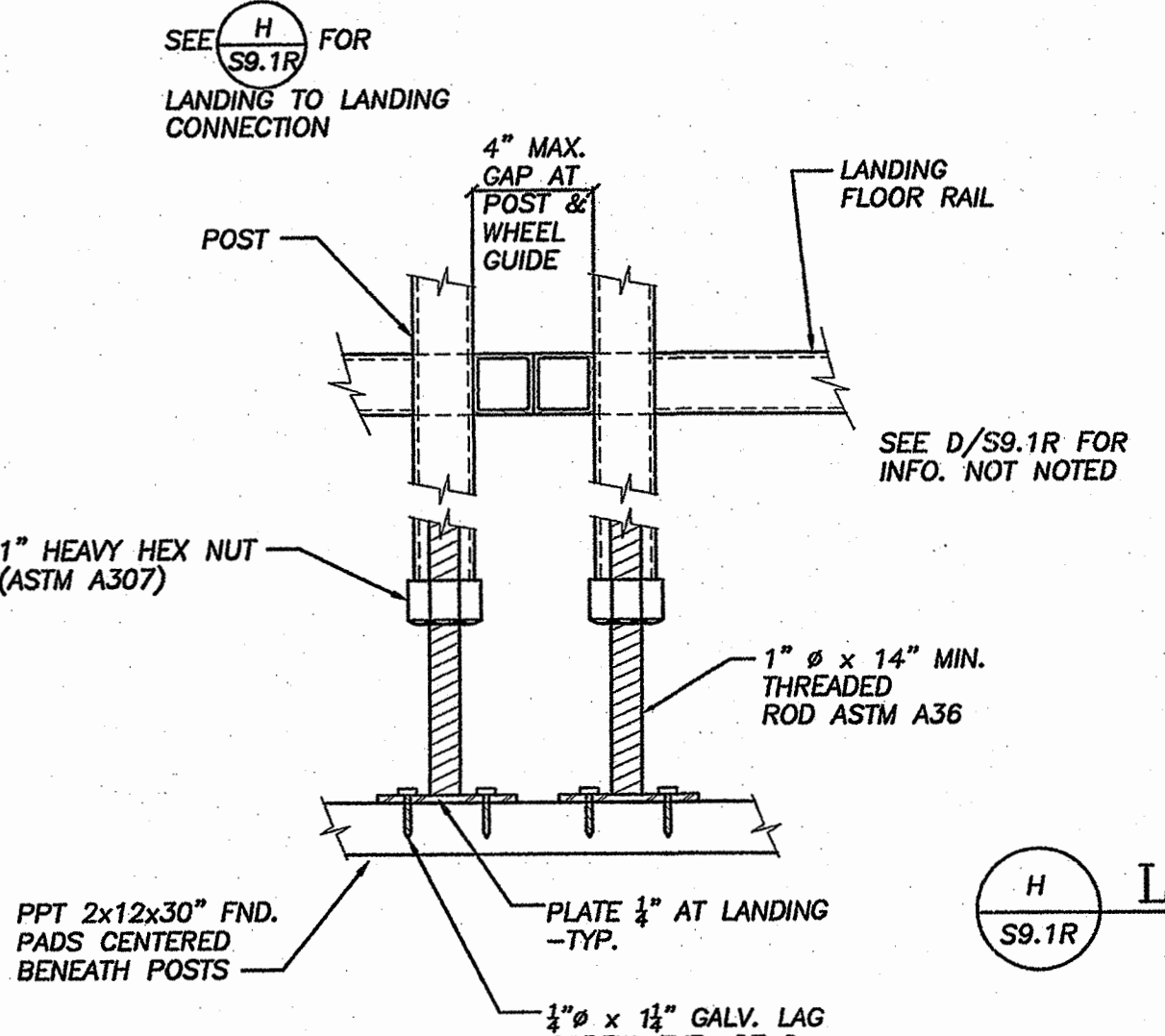
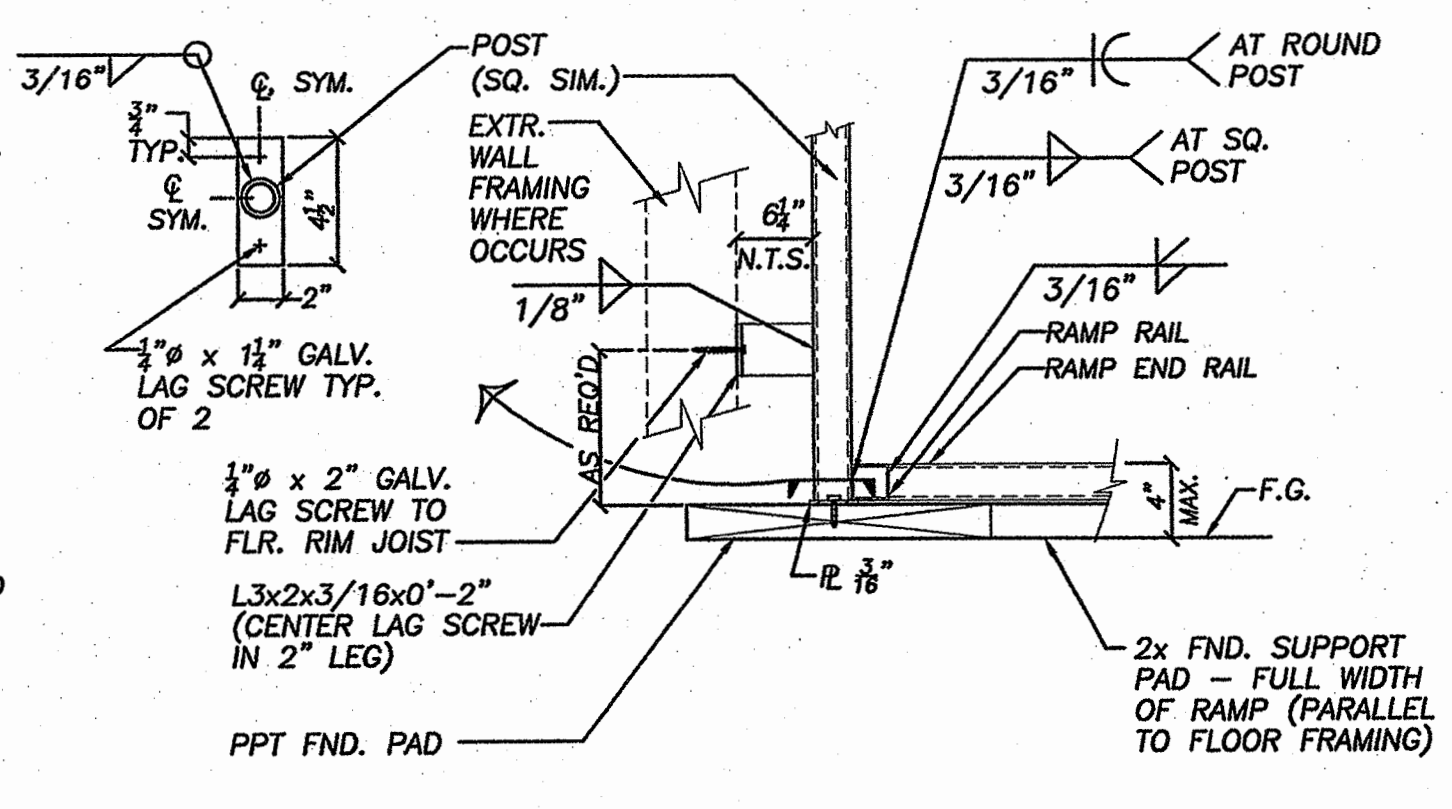
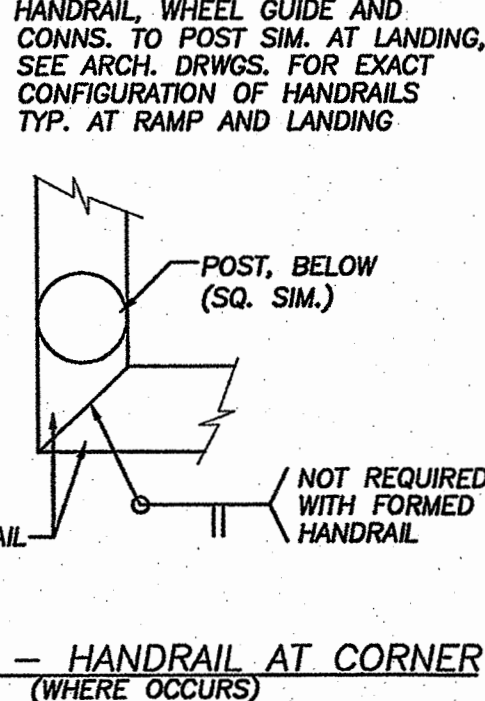
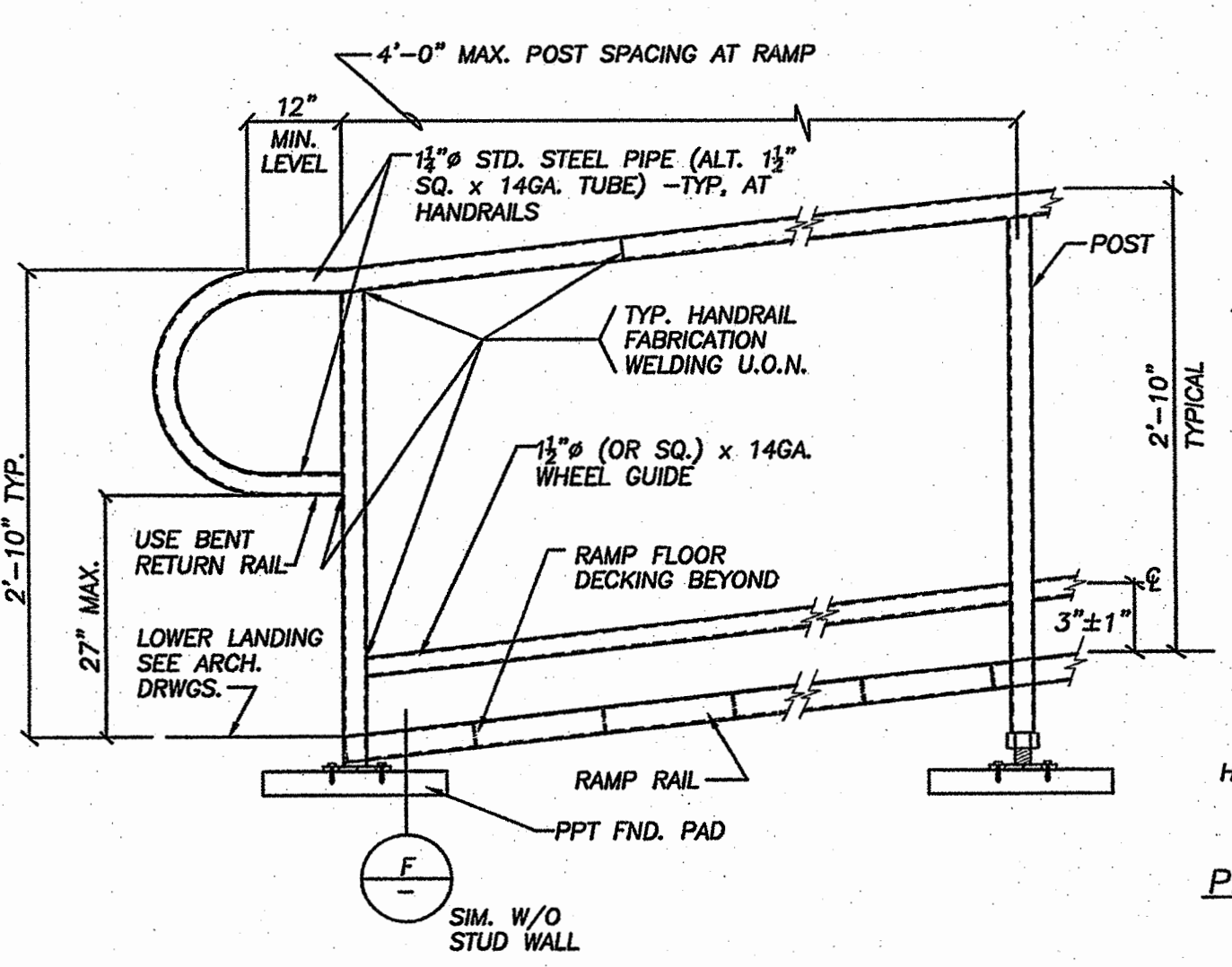
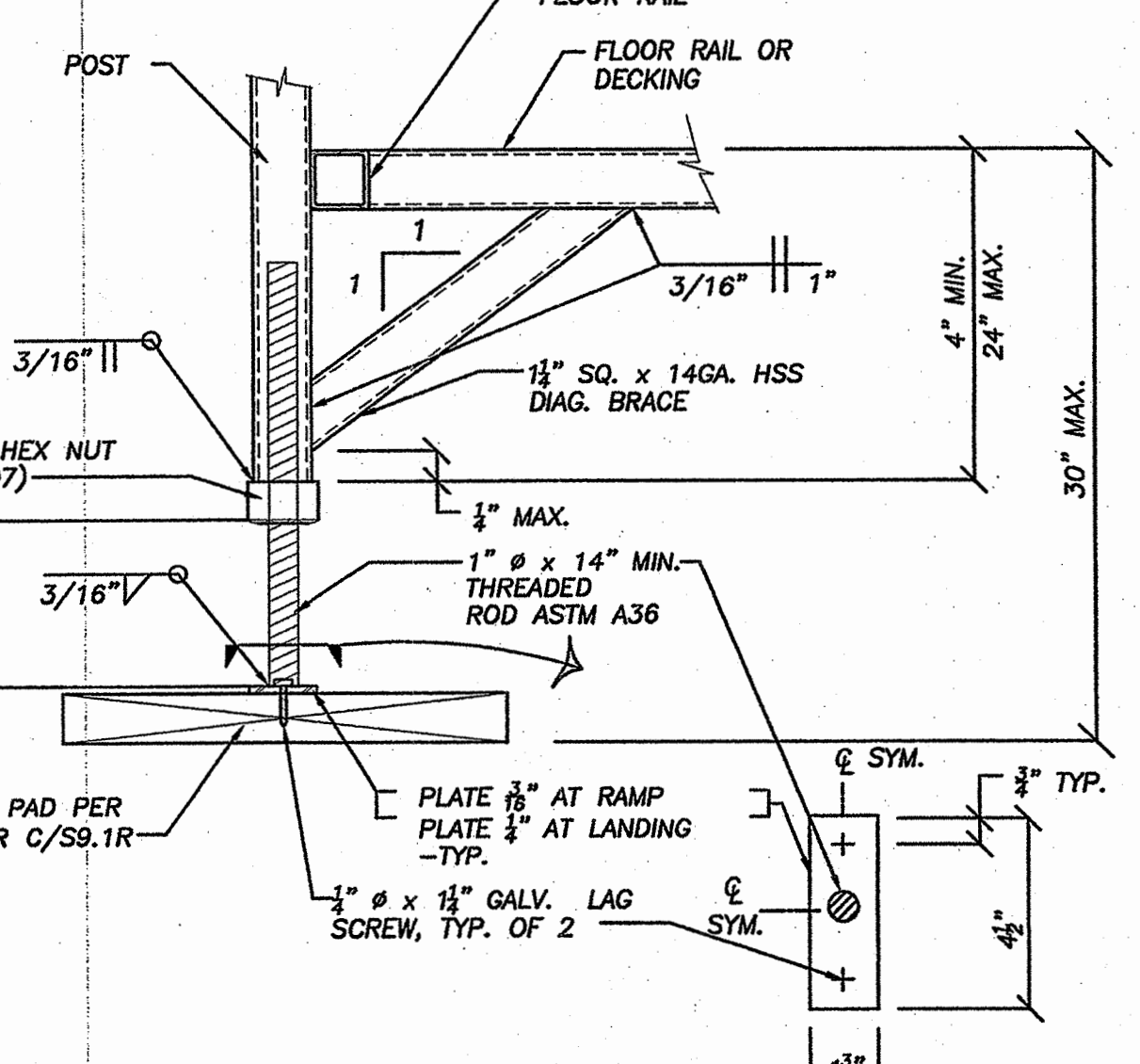
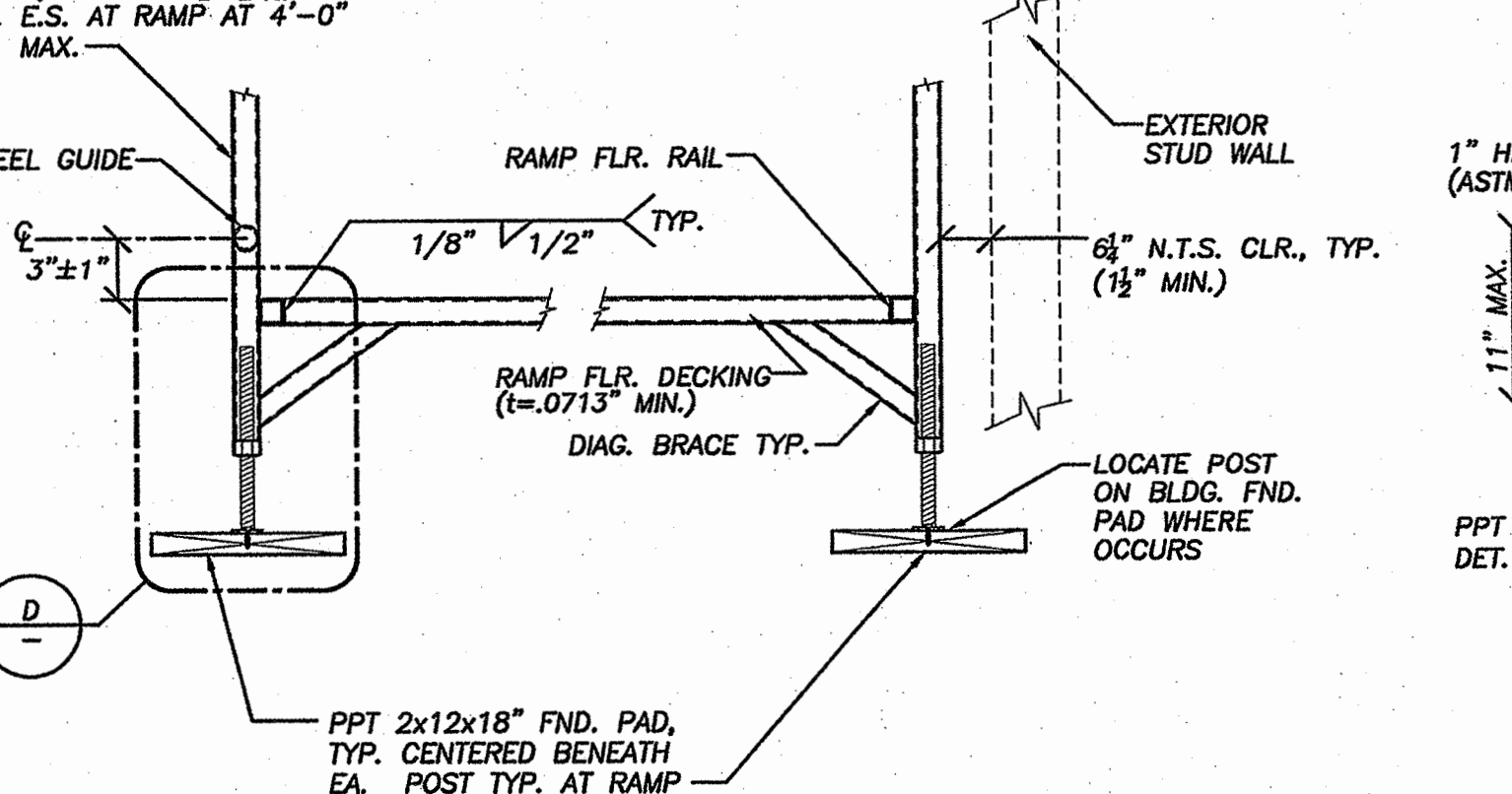
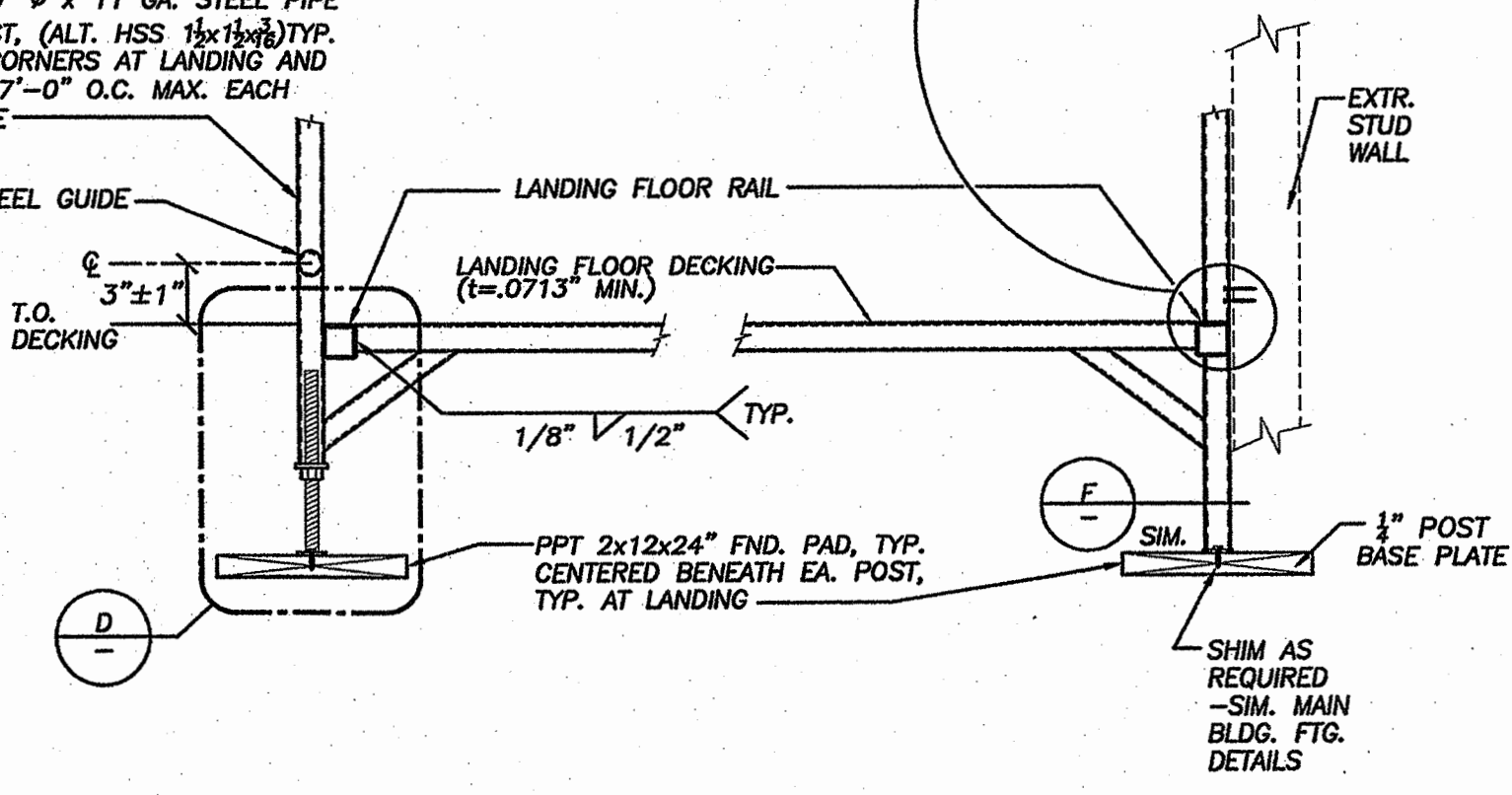
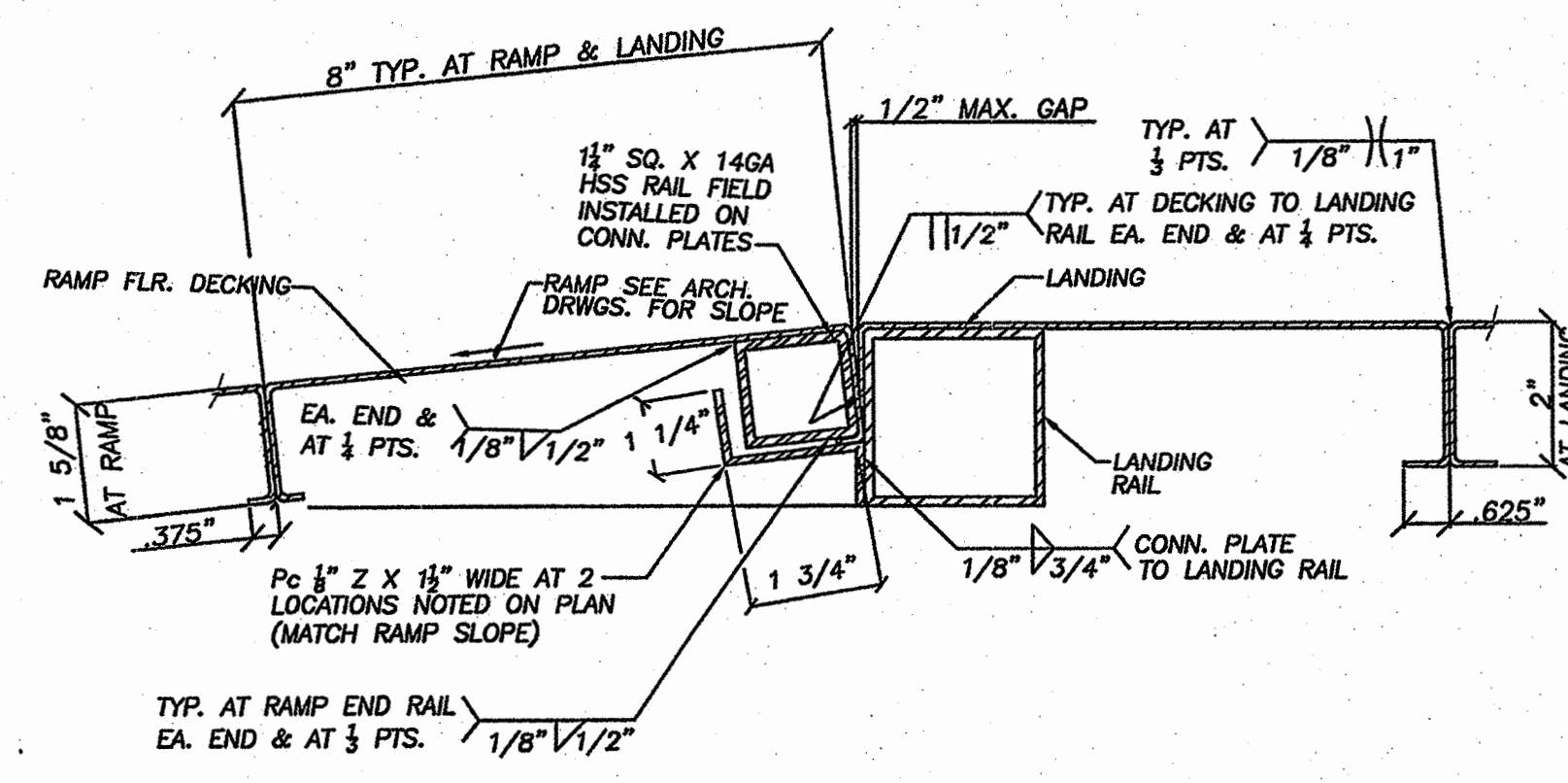
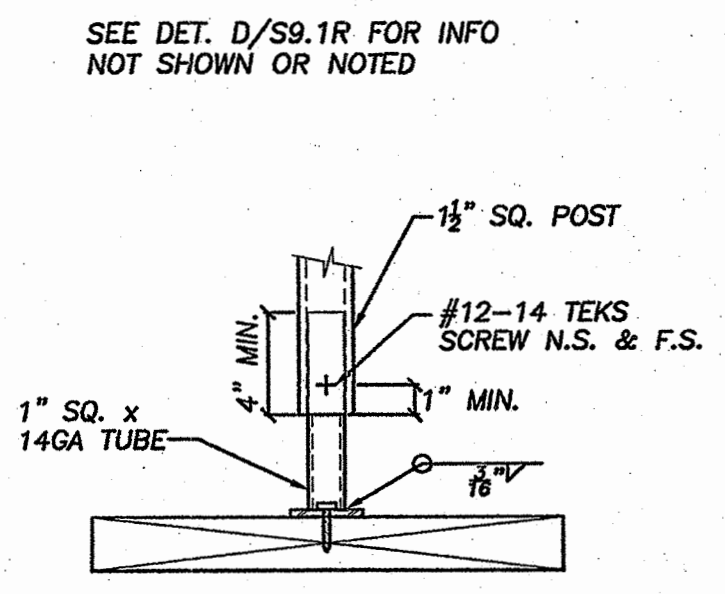
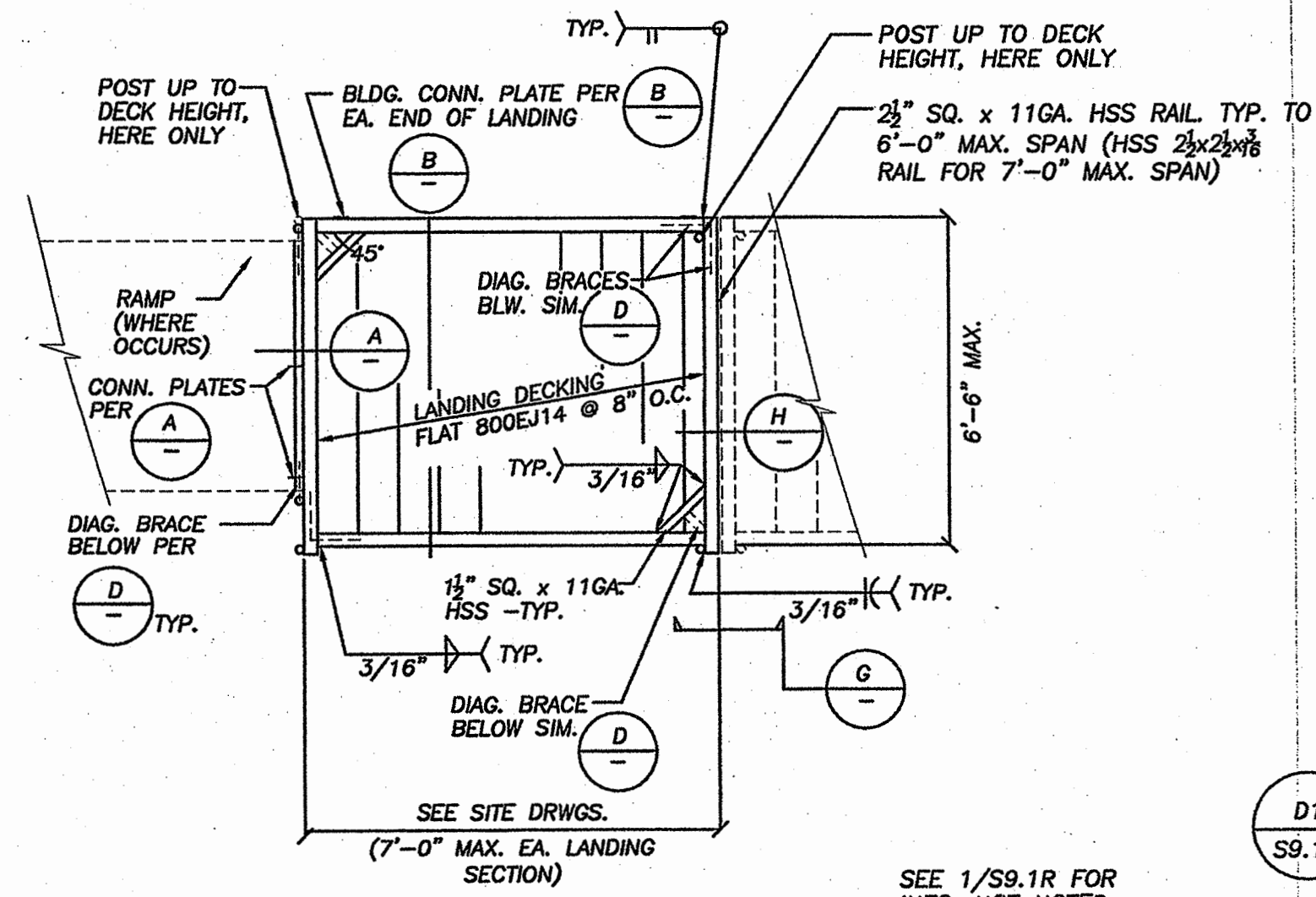
STEEL RAMP AND LANDING

CONFIGURATION OF RAMP, LANDING AND STEPS MAY CHANGE FROM FLOOR PLAN SHOWN - SEE ARCH. FLOOR PLAN DRWS.



RAMP/LANDING TEST AND INSPECTIONS:

1. WELDING INSPECTION: VISUAL INSPECTION BY DSA PLANT INSPECTOR OF ALL WELDS. ALL WELDERS SHALL BE FULLY CERTIFIED TO A.W.S. STANDARDS.
2. TESTS OF STRUCTURAL STEEL: PROVIDE TEST REPORTS COVERING ALL MEMBERS UTILIZED WHICH VERIFY THE REQUIRED YIELD POINT, ELONGATION AND OTHER PHYSICAL PROPERTIES REQUIRED FOR THE ASTM DESIGNATION SPECIFIED.



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
APPL 01-112222
AUG 30 2011

DESIGN
FLOOR LL = 100 PSF
WIND = 85 MPH w-C
S D C = D & E
SITE CLASS = D

REVISIONS
2-11-09 01/PA/HR

CBC 2007

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-100511
DATE FEB 23 2010

REGISTERED PROFESSIONAL ENGINEER
No. 4424
Exp. 03/31/10
STRUCTURAL
STATE OF CALIFORNIA

GARY DOUPNIK MANUFACTURING, INC.
3337 RIPPET ROAD, P.O. BOX 827, LOMAS, CA 94550 (916) 662-0271
12", 24", 36" RELOCATABLE BUILDINGS
METAL DECK, RAMP AND LANDING PLANS AND DETAILS

DRYER
CLF
CHECKED
TLB
DATE
11/14/08
SCALE
N.T.S.
JOB NO.
FILE
PC269591R