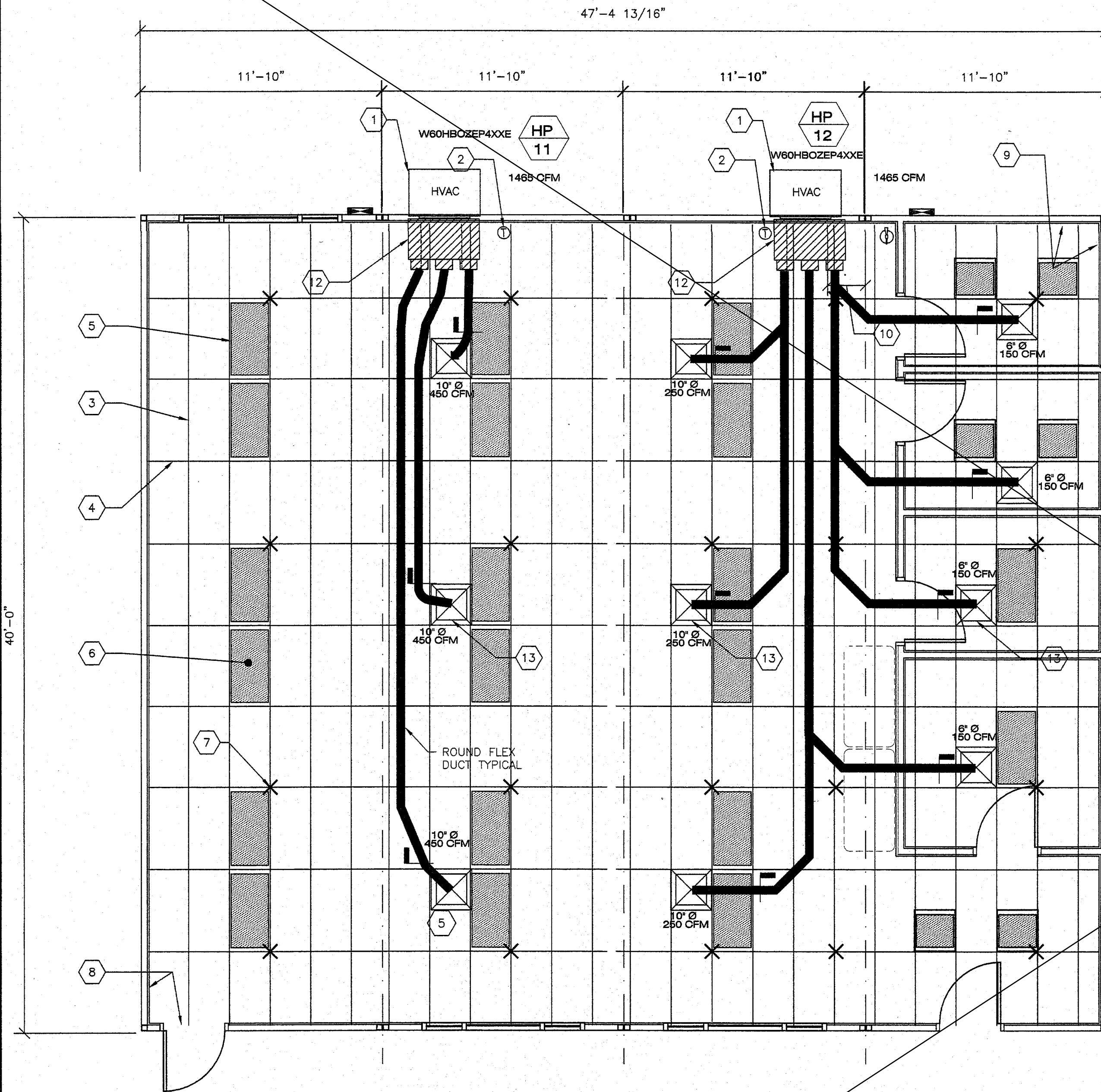


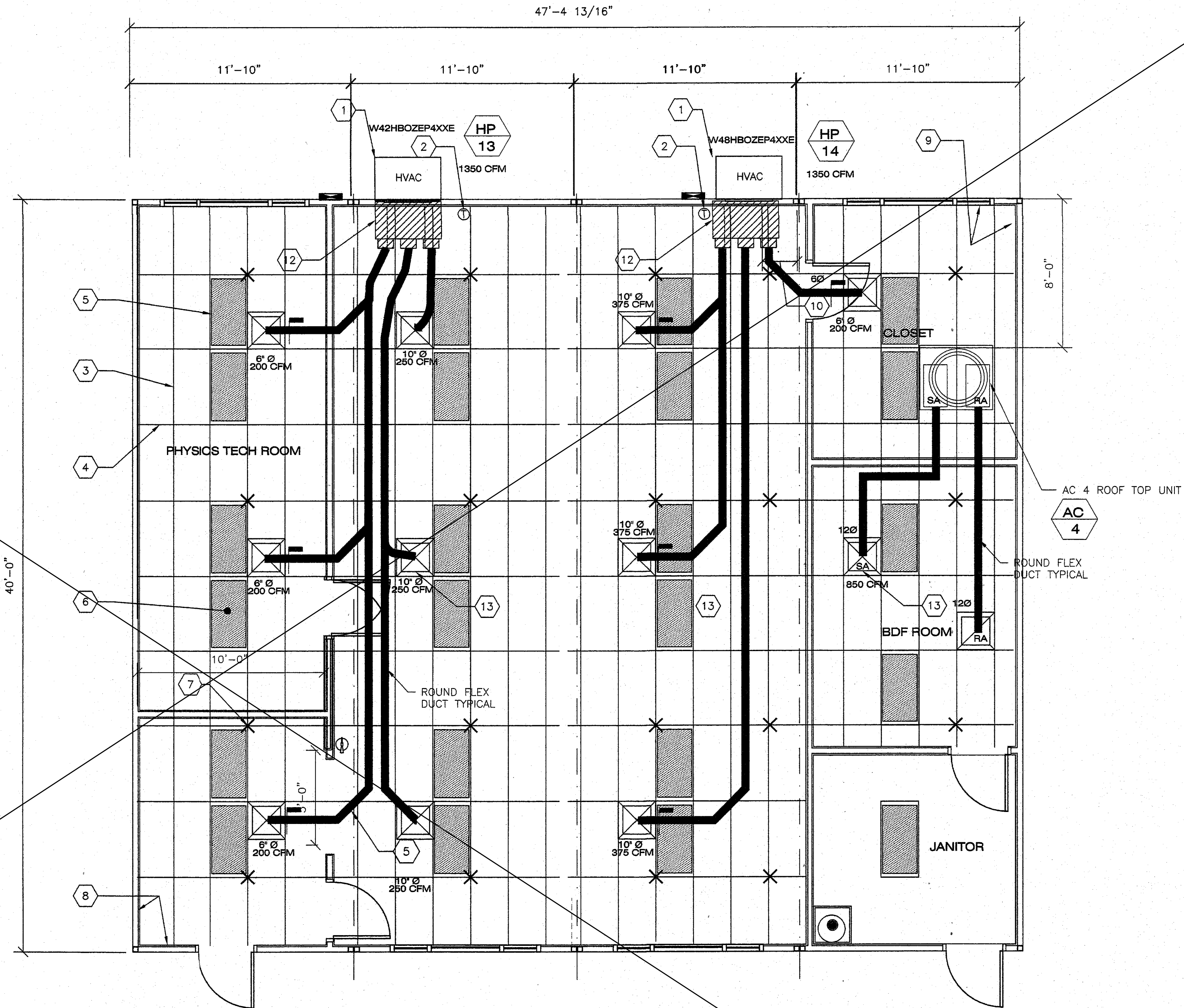
- SHEET NOTES -

- 1 WALL HUNG HVAC UNIT
- 2 THERMOSTAT @ +60" SEALED
- 3 MAIN RUNNER TYP
- 4 CROSS RUNNER TYP
- 5 INTERIOR LIGHT FIXTURE
REFER TO SHEET E1 FOR SPEC'S
- 6 CEILING HEIGHT @ 8'-6" NOM
- 7 SPLAY WIRE
SEE 4/M2 FOR DETAILS
- 8 FIXED CEILING END
- 9 FREE CEILING END
- 10 CENTER SECTION THAT CROSSES
MODULE LINE TO BE FIELD INSTALLED
- 11 NOT USED
- 12 CONCEALED SUPPLY AIR DUCT
ABOVE T-BAR CEILING
- 13 TYPICAL 4-WAY SUPPLY AIR REGISTER
LOCATION AND SIZE MAY VARY PER
CEILING LAYOUT AND BUILDING SIZE

NOTE:
WHERE TWO OR MORE HVAC UNITS SERVE A
COMMON SPACE, UNITS SHALL BE EQUIPPED WITH
DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN.
INTERCONNECT WITH FIRE ALARM SYSTEM
AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN
ALL OCCUPIED ROOMS SERVED BY THE AIR
HANDLING EQUIPMENT HAVE DIRECT ACCESS TO
THE EXTERIOR AND THE TRAVEL DISTANCE
DO NOT EXCEEDS 100 FT.
PER CMC 609 EXEPTION #2



1 PHYSICS LECTURE/ LAB REFLECTED CEILING PLAN B2-26
M1.3 1/4"=1'-0" SERIAL #10-601-514



2 PHYSICS STOCK ROOM REFLECTED CEILING PLAN B2-27
M1.3 1/4"=1'-0" 1SERIAL #10-601-515

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

04 118435

ACS FLS SS
DATE MAY 09 2018

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
- SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Sprinkles Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

BASED ON PC 02-109635

REVISIONS		
NO	DATE	DESCRIPTION
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DATE: 10/29/10
SCALE: NOTED
DRAWN BY: RS/MP
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE CAREER AND MATHEMATICS BUILDING AND SWING SPACE

48'x40' (ES) RELOCATABLE CLASSROOMS
TYPICAL REFLECTED CEILING PLAN

AMS
American Modular Systems Inc.
787 Sprinkles Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

LICENSED ARCHITECT
RANDY PATRICK CANNING
No. C12631
State of California

REGISTERED PROFESSIONAL ENGINEER
No. 2310
State of California

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
07-11652
ACS FLS SS
DATE NOV 18 2018

PROJECT No.

M1.3

ADDENDUM

AHU PACKAGED AIR CONDITIONING UNITS										
MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	AIR FLOW CFM	REPLACEMENT FOR A/CN	CARRIER UNIT WT.	NORMAL HEATING INPUT (BTU/HRS)	ELECTRICAL	OUTSIDE AIR
AHU-1	CARRIER 48HCLA0500905	B2-23 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-23 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-2	CARRIER 48HCLA0500905	B2-23 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-23 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-3	CARRIER 48HCLA0500905	B2-24-1 STOCKROOM CHEM. ROOF	ELECT. COOLING GAS HEAT	B2-24-1 STOCKROOM CHEM.	1500	RQ-004	428 LBS.	90,000	230 V-3 PHASE	100%
AHU-4	CARRIER 48HCLA0500905	B2-25 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-25 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-5	CARRIER 48HCLA0500905	B2-25 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-25 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-6	CARRIER 48HCLA0500905	B2-28-1 MICRO BIOLOGY LAB ROOF	ELECT. COOLING GAS HEAT	B2-28-1 MICRO BIOLOGY LAB	1500	RN-010	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-7	CARRIER 48HCLA0500905	B2-28-1 MICRO BIOLOGY LAB ROOF	ELECT. COOLING GAS HEAT	B2-28-1 MICRO BIOLOGY LAB	1500	RN-010	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-8	CARRIER 48HCLA0500905	B2-28-2 PREP. ROOM ROOF	ELECT. COOLING GAS HEAT	B2-28-2 PREP. ROOM	1500	RQ-006	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-9	CARRIER 48HCLA0500905	B2-29 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-29 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-10	CARRIER 48HCLA0500905	B2-29 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-29 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%

HP HEAT PUMPS								
MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	AIR FLOW CFM	ELECTRICAL	OPER. WT. LBS.	REMARKS
HP-1	BARD W42HBOZEP4XXE	B2-20 HUSKIES FOOD KIOSK & B2-20-2 HUSKIES STORAGE	WALL MOUNTED HEAT PUMP	B2-20 HUSKIES FOOD KIOSK & B2-20-2 HUSKIES STORAGE	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-2	BARD W60HBOZEP4XXE	B2-20-1 HUSKIES FOOD KIOSK	WALL MOUNTED HEAT PUMP	B2-20-1 HUSKIES FOOD KIOSK	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-3	BARD W60HBOZEP4XXE	B2-21 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-21 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-4	BARD W60HBOZEP4XXE	B2-21 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-21 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-6	BARD W60HBOZEP4XXE	B2-22 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-22 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-7	BARD W60HBOZEP4XXE	B2-22 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-22 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-9	BARD W18HBOZEP4XXE	B2-24-2 CLOSET & B2-24-3 EQUIPMENT ROOM	WALL MOUNTED HEAT PUMP	B2-24-2 CLOSET & B2-24-3 EQUIPMENT ROOM	660	230 V-3 PHASE	360	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-11	BARD W60HBOZEP4XXE	B2-26 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-26 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-12	BARD W60HBOZEP4XXE	B2-26 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-26 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-13	BARD W42HBOZEP4XXE	B2-27-2 PHYSICS TECH ROOM	WALL MOUNTED HEAT PUMP	B2-27-2 PHYSICS TECH ROOM	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-14	BARD W48HBOZEP4XXE	B2-27-1 PHYSICS STOCK ROOM	WALL MOUNTED HEAT PUMP	B2-27-1 PHYSICS STOCK ROOM	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-15	BARD W30HBOZEP4XXE	B2-33 OFFICE	WALL MOUNTED HEAT PUMP	B2-33 OFFICE	855	230 V-3 PHASE	400	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-16	BARD W30HBOZEP4XXE	B2-33 OFFICE	WALL MOUNTED HEAT PUMP	B2-33 OFFICE	855	230 V-3 PHASE	400	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-17	BARD W60HBOZEP4XXE	B2-30 LIFE SCI. H.I.T. LAB	WALL MOUNTED HEAT PUMP	B2-30 LIFE SCI. H.I.T. LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-18	BARD W60HBOZEP4XXE	B2-30 LIFE SCI. H.I.T. LAB	WALL MOUNTED HEAT PUMP	B2-30 LIFE SCI. H.I.T. LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES

EF EXHAUST FANS						
MARK	MANUFACTURER & MODEL	TYPE	SERVICE	LOCATION	AIR FLOW CFM	REPLACEMENT FOR COOK
EF-3	GREENHECK CSP	INLINE BLOWER	B2-27-2 JANITORS CLOSET	PLENUM	180	GC-164
EF-4,5	GREENHECK CSP	INLINE BLOWER	B2-23 AMATOMY/PHYS. LAB	PLENUM	1511	GN-940
EF-6	GREENHECK CUBE	UPBLAST CENTRIFUGAL	B2-24-1 LIFE SCI. STOCKROOM FOR FUME HOOD	ROOF	800	100R3B
EF-7,8	GREENHECK CSP	INLINE BLOWER	B2-25 AMATOMY/PHYS. LAB	PLENUM	1511	GN-940
EF-9,10	GREENHECK CSP	INLINE BLOWER	B2-28-1 MICRO BIOLOGY LAB	PLENUM	1362	GN-862
EF-11	GREENHECK CSP	INLINE BLOWER	B2-28-2 PREP. ROOM	PLENUM	1638	GN-960
EF-12,13	GREENHECK CSP	INLINE BLOWER	B2-29 AMATOMY/PHYS. LAB	PLENUM	1511	GN-940
EF-14	GREENHECK CSP	INLINE BLOWER	B2-24-1 LIFE SCI. STOCKROOM	PLENUM	669	GN-720

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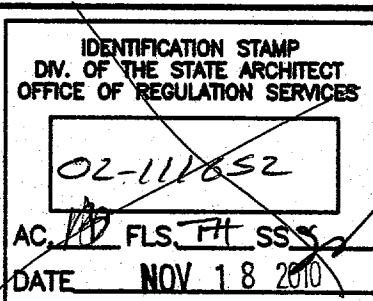
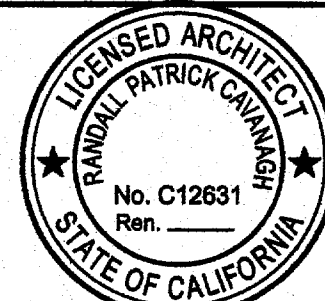
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CUSTOMER:

(ES) RELOCATABLE CLASSROOMS
PACKAGED AIR CONDITIONING UNITS



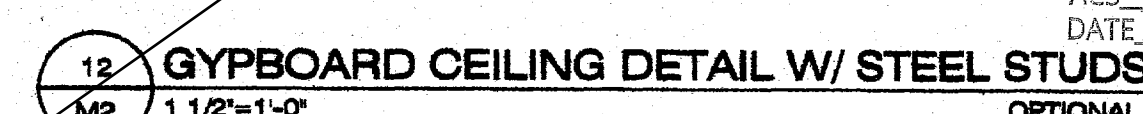
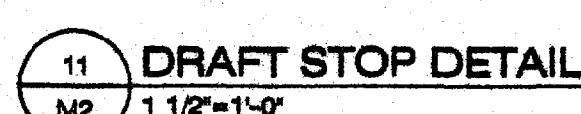
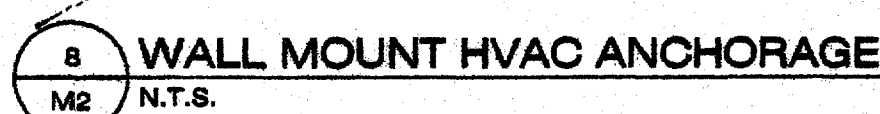
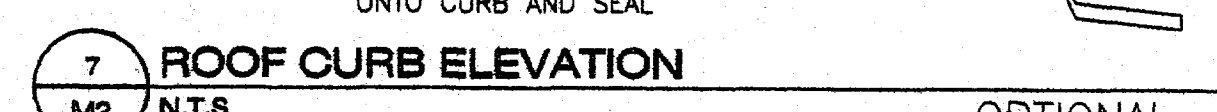
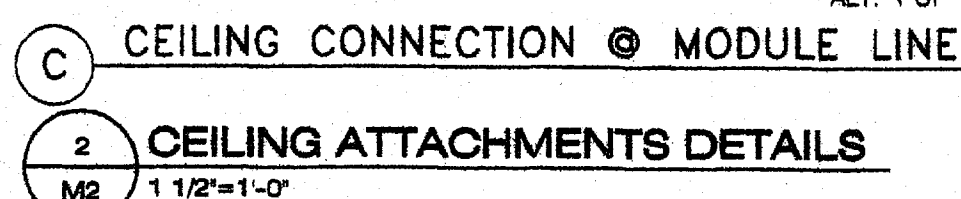
APPROVALS:



PROJECT No.

M1.6

AC AIR CONDITIONER								
MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	AIR FLOW CFM	ELECTRICAL	OPER. WT. LBS.	REMARKS
AC-1	AMANA AH093A35MA	B2-24-4 OFFICE	WALL MOUNTED	B2-24-4 OFFICE	310	230 V-1 PHASE	114	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
AC-2	AMANA AH09A35MA	B2-30-2 ADJUNCT FACULTY	WALL MOUNTED	B2-30-2 ADJUNCT FACULTY	310	230 V-1 PHASE	114	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
AC-3	AMANA AH18A35MA	B2-30-4B OFFICE	WALL MOUNTED	B2-30-4B OFFICE	590	230 V-1 PHASE	170	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
AC-4	CARRIER 50ES-A30-5 ROOF	B2-27 PHYSICS STOCK ROOM	WALL MOUNTED ROOF MOUNTED	B2-27 PHYSICS STOCK ROOM	1000	230 V-1 PHASE	281	



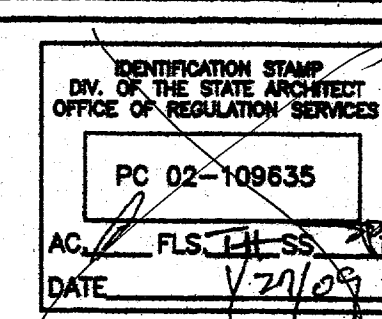
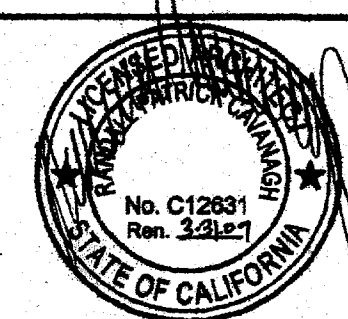
DATE: 12/01/08

SCALE: NOTED

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SERIAL NO.:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
MECHANICAL BUILDING SECTION & CEILING DETAILS



M2

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0" GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED, WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
- (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
- (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS
- THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.
7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.,
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
- CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, OR DONN(USG) PER ASTM C635
- MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01 OR DX26.
- MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC 1214-01 OR DONN DX 416 CROSS TEES
- MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
- ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS T, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4" CROSS TEE	H.D. 2" CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

HVAC CFM CHART

MODEL NUMBER	DESCRIPTION	MAX. CFM	UNIT WEIGHT LBS.
WH421-A	3 1/2 TON HEAT PUMP	1400	530
WH482-A	4 TON HEAT PUMP	1550	560
WH602-A	5 TON HEAT PUMP	1700	560

GENERAL NOTES

- HEATING VENTILATING AND AIR CONDITIONING (HVAC)
1. HEAT PUMP: SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-77.
- REFERENCE BRANDS: BARD WH421-A0000000X
BARD WH482-A0000000X
BARD WH602-A0000000X
- MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT
- ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.
- A.) THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES
- F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER
- B.) THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE THIRD FRESH AIR.
2. DUCTWORK.
- A.) CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.
- B.) NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE.
- REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE, TYPE 475.
- NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
3. AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
4. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAX. 12" ROUND. 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"x8"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTANTEED, OR EQUAL AND 90- B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
5. REGISTERS AND DIFFUSERS: PROVIDE THREE (MIN) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS
6. AIR CONDITIONING CONTROLS.
- THERMOSTAT: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS.
- A.) 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING WITH 4 SEPARATE TIME/TEMPERATURE SETTING FOR 24-HOUR PERIOD.
- B.) KEY BOARD LOCKOUT SWITCH.
- C.) PROGRAMMABLE DISPLAY.
- D.) 2-HOUR OVERRIDE MINIMUM.
- E.) STATUS INDICATED LED'S.
- F.) BATTERY BACK-UP.
- PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODERS IF92-371, MOUNT @ +60" w/COVER (SEALED-SETTING ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.) +48" UNSEALED.
7. THERMAL INSULATION
- A.) ROOF INSULATION: R-19 UNFACED.
- B.) WALLS INSULATION: R-13 KRAFT FACED.
- C.) FLOORS INSULATION: CONCRETE FLOOR
- FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 719.
8. FACTORY-MADE AIR DUCTS. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARD NO. 6-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH U.M.C. STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF UMC STD. 6-1.

DUCT SUPPORT

FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAP @ MAX 6'-0" O.C. ATTACH TO RAFTER W/2 #8 SMS @ EACH END.

SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAPS MIN. 2 PER PLENUM.

SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.

SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX W/2 #8 SMS.

9. FIREBLOCKING:
- SHALL BE PROVIDED IN THE FOLLOWING LOCATION

10. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS AND AT 10-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL. SEE CBC SECTION 717.2

INSULATION SCHEDULE

ZONE	WALL	ROOFS	FLOORS
1-14 & 16	R -13	R -19	R -13
15	R -13	R -30	R -13

HVAC SCHEDULE

BUILDING SIZE	# OF HVAC		
	3 1/2 TON HVAC	4 TON HVAC	5 TON HVAC
24' x 40'	1		
36' x 40'		1	
48' x 40'	2		
60' x 40'		2	
72' x 40'			2
84' x 40'			2
96' x 40'		3	
108' x 40'			3
120' x 40'			3
132' x 40'			3
144' x 40'		4	

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/08

SCALE: NOTED

DRAWN BY: DM

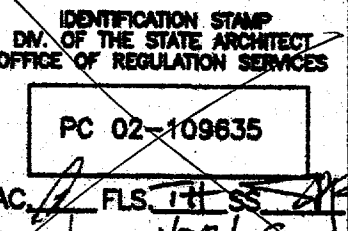
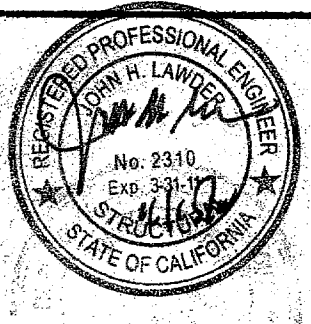
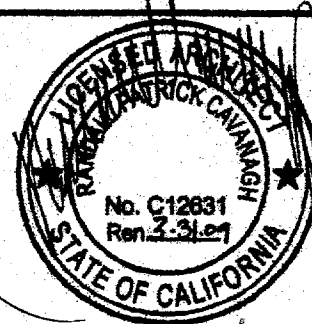
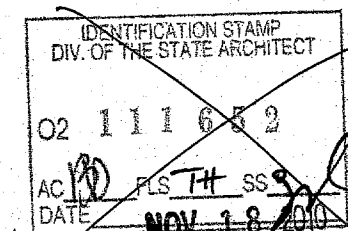
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
CEILING & MECHANICAL NOTES



APPROVALS:



PROJECT NO.

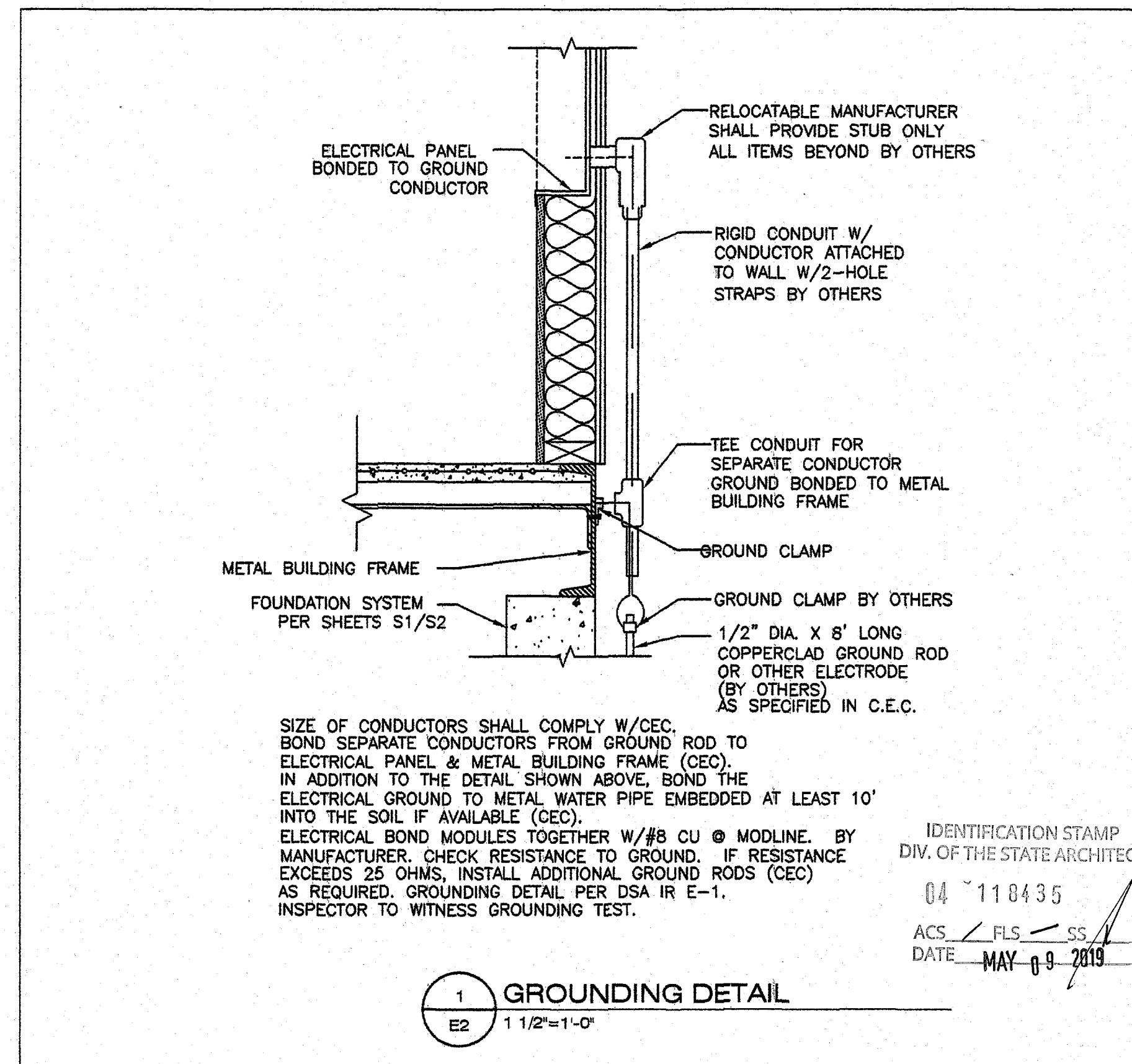
M3

VOLTS: 120/230 THREE PHASE			PANEL: A HUSKIES			FEED: EXTERIOR K-O		
MAIN: 100 AMP MAIN BKR.			LOCATION: EXTERIOR			MOUNTING: SURFACE		
LOAD	WATTS		BRK.	C	A	B	C	LOAD
	A	B						
HVAC 3.5 TON	3374		50	3	1			HVAC 3.5 TON
"		3374		3				"
"				5				"
FANS	400		20	1	7			DUPLEX RECEPT
LIGHTS, FLUORESCENT	400		20	1	9			DUPLEX RECEPT
DUPLEX RECEPT		200	20	1	11			DUPLEX RECEPT
DUPLEX RECEPT	200		20	1	13			DUPLEX RECEPT
DUPLEX RECEPT		200	20	1	15			DUPLEX RECEPT
WATER HEATER		3000	20	2	17			DUPLEX RECEPT
WATER HEATER	3000		20	2	19			DUPLEX RECEPT
SPACE				21				DUPLEX RECEPT
LIGHTS, FLUORESCENT		400	20	2	23			DUPLEX RECEPT
SPACE				25				DUPLEX RECEPT
SPACE				27				DUPLEX RECEPT
SPACE				29				SPACE
				31				
				33				
				35				
				37				
				39				
PHASE WATTAGE			6974	3974	6974			PHASE WATTAGE
WATTS "A" LEG: 11548			WATTS "B" LEG 8748			WATTS "C" LEG 11348		
TOTAL WATTS: 31644			87 AMPS 120/240V			THREE PHASE		
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.								

VOLTS: 120/230 THREE PHASE			PANEL: B GEN. PHYSICS			FEED: EXTERIOR K-O		
MAIN: 100 AMP MAIN BKR.			LOCATION: EXTERIOR			MOUNTING: SURFACE		
LOAD	WATTS		BRK.	C	A	B	C	LOAD
	A	B						
HVAC 5 TON	3374		60	3	1			
"		3374		3				LIGHTS, FLUORESCENT
"				5				LIGHTS, FLUORESCENT
DUPLEX RECEPT	400		20	1	7			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	9			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	11			DUPLEX RECEPT
DUPLEX RECEPT	400		20	1	13			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	15			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	17			DUPLEX RECEPT
DUPLEX RECEPT	400		20	1	19			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	21			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	23			DUPLEX RECEPT
DUPLEX RECEPT	400		20	1	25			DUPLEX RECEPT
SPACE				27				SPACE
SPACE				29				SPACE
PHASE WATTAGE			4974	4574	4574			PHASE WATTAGE
WATTS "A" LEG: 5374			WATTS "B" LEG 5619			WATTS "C" LEG 5419		
TOTAL WATTS: 16412			46 AMPS 120/240V			THREE PHASE		
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.								

VOLTS: 120/230 THREE PHASE			PANEL: C GEN. PHYSICS			FEED: EXTERIOR K-O		
MAIN: 100 AMP MAIN BKR.			LOCATION: EXTERIOR			MOUNTING: SURFACE		
LOAD	WATTS		BRK.	C	A	B	C	LOAD
	A	B						
HVAC 5 TON	3374		60	3	1			LIGHTS, FLUORESCENT
"		3374		3				LIGHTS, FLUORESCENT
"				5				LIGHTS, FLUORESCENT
DUPLEX RECEPT	400		20	1	7			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	9			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	11			DUPLEX RECEPT
DUPLEX RECEPT	400		20	1	13			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	15			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	17			DUPLEX RECEPT
DUPLEX RECEPT	400		20	1	19			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	21			DUPLEX RECEPT
DUPLEX RECEPT		400	20	1	23			DUPLEX RECEPT
DUPLEX RECEPT	200		20	1	25			DUPLEX RECEPT
SPACE				27				SPACE
SPACE				29				SPACE
PHASE WATTAGE			4174	3974	3974			PHASE WATTAGE
WATTS "A" LEG: 4374			WATTS "B" LEG 5019			WATTS "C" LEG 8793		
TOTAL WATTS: 18186			51 AMPS 120/240V			THREE PHASE		
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.								

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1



LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE
WILLIAMS SCOTSMAN, INC..
SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
BASED ON PC# 02-109635

GENERAL NOTES

FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE & CA. FIRE CODE.
- INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
- JUCTION BOXES- GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL AT +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
- COVERS- INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
- THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALL, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL REGULATIONS (CBC 907.2.3) AND THE 2002 EDITION OF NFPA 72.
- THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH-EVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 7.4.2)
- THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 7.5)
- AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY STATE FIRE MARSHAL. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUXF OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRANGED BY OWNER.
IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 10db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY PER [CBC].

GENERAL NOTES

- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
- PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
- PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
- FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL

- ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
 - MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
 - ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING. SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
 - 2X4 FLUORESCENT FIXTURES SHALL BE STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-12, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE .125 INCH.
 - FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
 - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
A) CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
B) CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPERABLE HANGING CLIP & APP'D RECEPT.
- THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING. IF 60 DEGREES C. WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY BE PROVIDED ON THE DRAWING.

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/15/10

SCALE: NOTED

DRAWN BY: RS

SERIAL NO.:

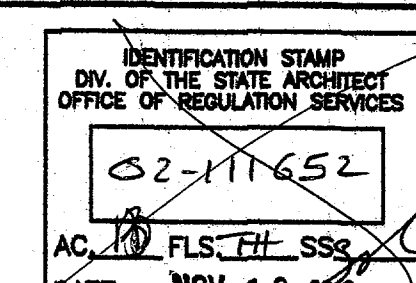
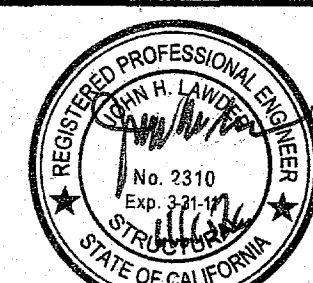
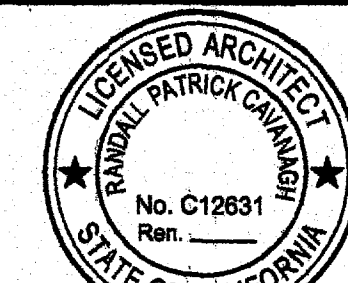
CUSTOMER:

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE

24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:



PROJECT NO.

E2

ADDENDUM

VOLTS: 120/230 THREE PHASE				PANEL: D GEN. PHYSICS				FEED: EXTERIOR K-O						
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE						
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD	
	A	B		AMP	P	R		R	P	AMP	A	B		C
HVAC 5 TON	4600			60	3	1		2						
"		4600			3			4	1	20		645		LIGHTS, FLUORESCENT
"			4600		5			6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7		8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11		12	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13								
DUPLEX RECEPT.		400		20	1	15								
DUPLEX RECEPT			400	20	1	17								
DUPLEX RECEPT	400			20	1	19								
DUPLEX RECEPT			400	20	1	21								
DUPLEX RECEPT			400	20	1	23								
DUPLEX RECEPT	400			20	1	25								
SPACE				27										
SPACE				29										
PHASE WATTAGE	6200	5800	5800							400	1045	845		PHASE WATTAGE
WATTS "A"LEG: 6600	WATTS "B" LEG 6845	LEG 6845	WATTS "C" LEG 6445	LEG 6445	TOTAL WATTS A+B+C=20090									
TOTAL WATTS: 20090				55	AMPS 120/240V				THREE PHASE				100 AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.														

VOLTS: 120/230 THREE PHASE				PANEL: E GEN. PHYSICS				FEED: EXTERIOR K-O					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD
	A	B		AMP	P	R		R	P	AMP	A	B	
HVAC 5 TON	4600			60	3	1		2					
"		4600				3		4	1	20	645		LIGHTS, FLUORESCENT
"			4600			5		6	1	20		645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7		8	1	20	400		DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9		10	1	20		200	DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11		12	1	20		400	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13		14	1	20	400		DUPLEX RECEPT
DUPLEX RECEPT.		400		20	1	15		16	1	20		400	DUPLEX RECEPT
DUPLEX RECEPT			800	20	1	17		18	1	20		400	DUPLEX RECEPT
SPACE						19		20	1	20	400		DUPLEX RECEPT
						21		22					SPACE
						23		24					
						25		26					
						27		28					
						29		30					
PHASE WATTAGE	5400	5400	5800						1200	1245	1445		PHASE WATTAGE
WATTS "A"LEG: 6800	WATTS "B" LEG 6645		WATTS "C" LEG 7245		TOTAL WATTS A+B+C=20690								
TOTAL WATTS: 20690				58 AMPS 120/240V		THREE PHASE				100 AMP BUS.			
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

VOLTS: 120/230 THREE PHASE				PANEL: F ANATOMY PHY				FEED: EXTERIOR K-O						
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE						
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD	
	A	B		AMP	P	R		R	P	AMP	A	B		C
HVAC 5 TON	3576			40	3	1		2						
"		3576				3		4	1	20		645		
"			3576			5		6	1	20			645	
DUPLEX RECEPT	400			20	1	7		8	1	20	400			
DUPLEX RECEPT		600		20	1	9		10	1	20		400		
DUPLEX RECEPT			600	20	1	11		12	1	20			735	
DUPLEX RECEPT	600			20	1	13		14	1	20	735			
DUPLEX RECEPT.		600		20	1	15		16					EXHAUST FAN	
DUPLEX RECEPT			600	20	1	17		18					EXHAUST FAN	
SPACE					19			20					SPACE	
					21			22						
					23			24						
					25			26						
					27			28						
					29			30						
PHASE WATTAGE				4576	4776	4776				1135	1045	1580	PHASE WATTAGE	
WATTS "A"LEG: 5708		WATTS "B" LEG 5821		WATTS "C" LEG 6356		TOTAL WATTS A+B+C=17885								
TOTAL WATTS: 17885				50 AMPS 120/240V		THREE PHASE				100 AMP BUS.				
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.														

VOLTS: 120/230 THREE PHASE				PANEL: G ANATOMY PHY				FEED: EXTERIOR K-O					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD
		A	B	AMP	P	R		R	P	AMP	A	B	
HVAC 5 TON	3576			40	3	1		2					
" "		3576				3	•	4	1	20		645	
" "			3576			5	•	6	1	20			645
DUPLEX RECEPT	600			20	1	7	•	8	1	20	400		
DUPLEX RECEPT		600		20	1	9	•	10	1	20		400	
DUPLEX RECEPT			600	20	1	11	•	12	1	20			400
DUPLEX RECEPT	600			20	1	13	•	14	1	20	400		
DUPLEX RECEPT.		600		20	1	15	•	16	1	20		400	
DUPLEX RECEPT			600	20	1	17	•	18	1	20			735
SPACE					19		•	20	1	20	735		
					21		•	22					EXHAUST FAN SPACE
					23		•	24					
					25		•	26					
					27		•	28					
					29		•	30					
PHASE WATTAGE	4776	4776	4776								1535	1445	1780
WATTS "A"LEG: 6311	WATTS "B" LEG 6221	WATTS "C" LEG 6556	TOTAL WATTS A+B+C=19088										
TOTAL WATTS: 19088	54	AMPS 120/240V	THREE PHASE	100 AMP BUS.									
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

VOLTS: 120/230 THREE PHASE				PANEL: H LIFE SCI.				FEED: EXTERIOR K-O				
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE				
LOAD	WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD	
	A	B							A	B		C
HVAC 5 TON	4600		60	3	1		2					
"	"	4600		3			4	1	20	645	LIGHTS, FLUORESCENT	
"	"	4600		5			6	1	20	645	LIGHTS, FLUORESCENT	
DUPLEX RECEPT	400		20	1	7		8	1	20	200	DUPLEX RECEPT	
EXHAUST FAN	735		20	1	9		10	1	20	200	DUPLEX RECEPT	
DUPLEX RECEPT		400	20	1	11		12	1	20		400 DUPLEX RECEPT	
DUPLEX RECEPT	200		20	1	13		14	1	30	800	WATER HEATER	
DUPLEX RECEPT.		400	20	1	15		16	1	30	800	WATER HEATER	
WATER HEATER		800	30	1	17		18				SPACE	
WATER HEATER	800		20	1	19		20					
SPACE			21				22					
			23				24					
			25				26					
			27				28					
			29				30					
PHASE WATTAGE	6000	5735	5800						1000	1645	1045	PHASE WATTAGE
WATTS "A"LEG: 7000	WATTS "B" LEG 7380	WATTS "C" LEG 6845	TOTAL WATTS A+B+C=21225									
TOTAL WATTS: 21225	59	AMPS 120/240V	THREE PHASE			100 AMP BUS.						
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.												

VOLTS: 120/230 THREE PHASE				PANEL: J LIFE SCI				FEED: EXTERIOR K-O						
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE						
LOAD	WATTS			BRK.	C	A	B	BRK.	WATTS			LOAD		
	A	B		AMP	P	R		R	P	AMP	A		B	C
HVAC 1.5 TON	3500			40	2	1		2						
"		3500			3		•	4	1	20		645	LIGHTS, FLUORESCENT	
"					5		•	6	1	20			645	
DUPLEX RECEPT	800			20	1	7	•	8	2	20	1708		AMANA AC	
DUPLEX RECEPT		400		20	1	9	•	10				1708	AMANA AC	
DUPLEX RECEPT			800	20	1	11	•	12					SPACE	
SPACE					13									
					14									
					15		•							
					16									
					17		•							
					18									
					19									
					20		•							
					21									
					22		•							
					23									
					24		•							
					25									
					26		•							
					27									
					28		•							
					29									
					30		•							
PHASE WATTAGE				5400	3900	800					1708	2353	645	PHASE WATTAGE
WATTS "A"LEG: 7108		WATTS "B" LEG 6253		WATTS "C" LEG 1445		TOTAL WATTS A+B+C=14806								
TOTAL WATTS: 14806				41		AMPS 120/240V		THREE PHASE		100 AMP BUS.				
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.														

VOLTS: 120/230 THREE PHASE				PANEL: K				FEED: EXTERIOR K-0				
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE				
LOAD	WATTS			BRK.	C	A	B	C	WATTS			LOAD
	A	B		AMP	P	R			AMP	A	B	
HVAC 5 TON	3576			40	3	1			2			
"		3576				3			4	1	20	645
"			3576			5			6	1	20	645
DUPLEX RECEPT	600			20	1	7			8	1	20	400
DUPLEX RECEPT		600		20	1	9			10	1	20	400
DUPLEX RECEPT			600	20	1	11			12	1	20	
DUPLEX RECEPT	600			20	1	13			14	1	20	735
DUPLEX RECEPT.		600		20	1	15			16			EXHAUST FAN
DUPLEX RECEPT			600	20	1	17			18			EXHAUST FAN
SPACE						19			20			SPACE
						21			22			
						23			24			
						25			26			
						27			28			
						29			30			
PHASE WATTAGE	4776	4776	4776						1135	1045	1580	PHASE WATTAGE
WATTS "A"LEG: 5908	WATTS "B" LEG 5821			WATTS "C" LEG 6356			TOTAL WATTS A+B+C=18085					
TOTAL WATTS: 18085				52 AMPS 120/240V				THREE PHASE				100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.												

VOLTS: 120/230 THREE PHASE				PANEL: L ANATOMY PHY				FEED: EXTERIOR K-0				
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE				
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS	LOAD	
		A	B	AMP	R			R	AMP	A		B
HVAC 5 TON	3576			40	3	1			2			
"		3576				3			4	1	20	
"			3576			5			6	1	20	645
DUPLEX RECEPT	600			20	1	7			8	1	20	400
DUPLEX RECEPT		600		20	1	9			10	1	20	400
DUPLEX RECEPT			600	20	1	11			12	1	20	400
DUPLEX RECEPT	600			20	1	13			14	1	20	400
DUPLEX RECEPT.		600		20	1	15			16			
DUPLEX RECEPT			600	20	1	17			18	1	20	735
SPACE						19			20	1	20	735
						21			22			
						23			24			
						25			26			
						27			28			
						29			30			
PHASE WATTAGE	4776	4776	4776						1535	1045	1780	PHASE WATTAGE
WATTS "A"LEG: 6311	WATTS "B" LEG 6221	WATTS "C" LEG 6156	TOTAL WATTS A+B+C=18688									
TOTAL WATTS: 18688				50 AMPS 120/240V				THREE PHASE				100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.												

VOLTS: 120/230 THREE PHASE				PANEL: M PHYSICS LECTURE						FEED: EXTERIOR K-0					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR						MOUNTING: SURFACE					
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD		
		A	B	AMP	P	R		R	P	AMP	A	B		C	
HVAC 5 TON	4600			60	3	1			2						
" "		4800				3			4	1	20	645	LIGHTS, FLUORESCENT		
" "			4800			5			6	1	20		645 LIGHTS, FLUORESCENT		
DUPLEX RECEPT	400			20	1	7			8	1	20	400	DUPLEX RECEPT		
DUPLEX RECEPT		400		20	1	9			10						
DUPLEX RECEPT			400	20	1	11			12						
DUPLEX RECEPT	400			20	1	13			14						
DUPLEX RECEPT.		400		20	1	15			16						
DUPLEX RECEPT			400	20	1	17			18						
DUPLEX RECEPT	400			20	1	19			20						
DUPLEX RECEPT		400		20	1	21			22						
DUPLEX RECEPT			400	20	1	23			24						
DUPLEX RECEPT	400			20	1	25			26						
SPACE						27			28						
SPACE						29			30				SPACE		
PHASE WATTAGE	6200	5800	5800							400	645	645	PHASE WATTAGE		
WATTS "A"LEG: 6600	WATTS "B" LEG 6445	WATTS "C" LEG 6245	TOTAL WATTS A+B+C=19290												
TOTAL WATTS: 19290				54 AMPS 120/240V				THREE PHASE				100 AMP BUS.			
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.															

VOLTS: 120/230 THREE PHASE				PANEL: N PHYSICS LECTURE				FEED: EXTERIOR K-0				
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE				
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS	LOAD	
		A	B	AMP	R			R	AMP	A		B
HVAC 5 TON	4600			60	3	1		2				
" "		4600				3	•	4	1	20	645	LIGHTS, FLUORESCENT
" "			4600			5	•	6	1	20		645
DUPLEX RECEPT	400			20	1	7	•	8	1	20	400	DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9	•	10	1	20	400	DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11	•	12	1	20		400
DUPLEX RECEPT	400			20	1	13	•	14	1	20	200	DUPLEX RECEPT
DUPLEX RECEPT.		400		20	1	15	•	16	1	20	400	DUPLEX RECEPT
SPACE						17	•	18	1	20		600
						19	•	20	1	20	400	DUPLEX RECEPT
						21	•	22	1	20	400	DUPLEX RECEPT
						23	•	24				SPACE
						25	•	26				
						27	•	28				
						29	•	30				
PHASE WATTAGE	5400	5400	5800						1000	1845	1645	PHASE WATTAGE
WATTS "A"LEG: 6400	WATTS "B" LEG 7245	WATTS "C" LEG 7445	TOTAL WATTS A+B+C=21090									
TOTAL WATTS: 21090				59 AMPS 120/240V				THREE PHASE				100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.												

VOLTS: 120/230 THREE PHASE				PANEL: P PHYSICS STOCKROOM				FEED: EXTERIOR K-0					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS	LOAD		
		A	B	AMP	R			R	AMP	A		B	C
HVAC 3.5 TON	3750			40	3	1			2				
"		3750				3			4	1	20		
"			3750			5			6	1	20		
DUPLEX RECEPT	800			20	1	7			8	1	20	645	
DUPLEX RECEPT		400		20	1	9			10	1	200		
DUPLEX RECEPT			600	20	1	11			12	1	20		
DUPLEX RECEPT	400			20	1	13			14	1	20	200	
DUPLEX RECEPT.		400		20	1	15			16	1	200		
DUPLEX RECEPT			400	20	1	17			18	1	20	200	
DUPLEX RECEPT	400			20	1	19			20	1	200		
DUPLEX RECEPT		400		20	1	21			22				
DUPLEX RECEPT			400	20	1	23			24				
DUPLEX RECEPT	400			20	1	25			26				
SPACE						27			28				
SPACE						29			30				
PHASE WATTAGE	6600	6000	6000							800	1245	1045	
WATTS "A"LEG: 7400	WATTS "B" LEG 7245			WATTS "C" LEG 7045			TOTAL WATTS A+B+C=21690						
TOTAL WATTS: 21690				61 AMPS 120/240V				THREE PHASE				100 AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

VOLTS: 120/230 THREE PHASE				PANEL: R PHYSICS STOCKROOM				FEED: EXTERIOR K-0					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD	WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD
		A	B	AMP	R			R	AMP	A	B	C	
HVAC 3.5 TON	3750			40	3	1			2				
" "		3750				3			4	1	20	645	LIGHTS, FLUORESCENT
" "			3750			5			6	1	20		645
DUPLEX RECEPT	400			20	1	7			8	1	20	400	DUPLEX RECEPT
						9			10	1	20	600	DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			12	1	20		200
DUPLEX RECEPT	200			20	1	13			14	1	20	1200	DUPLEX RECEPT
DUPLEX RECEPT.		200		20	1	15			16				
WATER HEATER			1500	20	1	17			18				
WATER HEATER	1500			20	1	19			20	1	20	400	DUPLEX RECEPT
WATER HEATER		1500		20	1	21			22	1	20	400	DUPLEX RECEPT
WATER HEATER			1500	20	1	23			24				SPACE
SPACE						25			26				
						27			28				
						29			30				
PHASE WATTAGE	5850	5450	7350							2000	1645	845	PHASE WATTAGE
WATTS "A"LEG: 7850		WATTS "B" LEG 7095		WATTS "C" LEG 8195		TOTAL WATTS A+B+C=23140							
TOTAL WATTS: 23140				65 AMPS 120/240V				THREE PHASE				100 AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1

REVISIONS		
NO	DATE	DESCRIPTION
1		
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VOLTS: 120/230 THREE PHASE				PANEL: U MATH OFFICE				FEED: EXTERIOR K-O					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD		WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD	
		A	B	AMP	P	R			AMP	A	B		C
HVAC 3.5 TON		3374		50	3	1			2				
" "		3374				3	•		4	1	20	400	LIGHTS, FLUORESCENT
" "		3374				5	•		6	1	20		400 LIGHTS, FLUORESCENT
DUPLX RECEPT		800		20	1	7			8	1	20	800	DUPLX RECEPT
DUPLX RECEPT.		800		20	1	9	•		10	1	20	800	DUPLX RECEPT
DUPLX RECEPT		200		20	1	11	•		12				
DUPLX RECEPT		800		20	1	13	•		14				
DUPLX RECEPT.		800		20	1	15	•		16				
DUPLX RECEPT		800		20	1	17	•		18				
SPACE						19			20				
SPACE						21	•		22				
SPACE						23	•		24				
SPACE						25	•		26				
SPACE						27	•		28				
SPACE						29	•		30				SPACE
PHASE WATTAGE		4974	4974	4374						800	1200	400	PHASE WATTAGE
WATTS "A" LEG: 5774		WATTS "B" LEG 6174		WATTS "C" LEG 4774		TOTAL WATTS		A+B+C=16722					
TOTAL WATTS: 16722		47		AMPS 120/230V		THREE PHASE		100 AMP BUS.					
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

VOLTS: 120/230 THREE PHASE				PANEL: V MATH OFFICE				FEED: EXTERIOR K-O			
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE			
LOAD		WATTS		BRK.	C	A	B	BRK.	WATTS	LOAD	
		A	B	AMP	P	R		AMP	A	B	C
HVAC 3.5 TON	3374			50	3	1		2			
" "		3374				3	•	4	1	20	400
" "			3374			5	•	6	1	20	400
DUPLX RECEPT	1200			20	1	7	•	8			
DUPLX RECEPT.		1200		20	1	9	•	10			
DUPLX RECEPT			1200	20	1	11	•	12			
SPACE						13	•	14			
						15	•	16			
						17	•	18			
						19	•	20			
						21	•	22			
						23	•	24			
						25	•	26			
						27	•	28			
						29	•	30			
PHASE WATTAGE	4574	4574	4574					0	400	400	PHASE WATTAGE
WATTS "A" LEG: 4574	WATTS "B" LEG 4974		WATTS "C" LEG 4974		TOTAL WATTS		A+B+C=14522				
TOTAL WATTS: 14522		41		AMPS		120/230V		THREE PHASE		100 AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.											

VOLTS: 120/230 THREE PHASE				PANEL: X MICRO BIO.				FEED: EXTERIOR K-O					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD		WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD	
		A	B	AMP	P	R			P	AMP	A	B	C
HVAC 5 TON	3576			40	3	1			2				
" "									4	1	20	645	
" "		3576			3				6	1	20		645
DUPLX RECEPT	400			20	1	7			8	1	20	400	
DUPLX RECEPT		200		20	1	9			10	1	20		400
DUPLX RECEPT			200	20	1	11			12	1	20		735
DUPLX RECEPT	400			20	1	13			14	1	20	735	
DUPLX RECEPT.		400		20	1	15			16	1	20	1200	
EXHAUST FAN			735	20	1	17			18				
SPACE				19					20	2	20	1500	
				21					22	20		1500	
				23					24	2	20		1500
				25					26	20	1500		
				27					28				
				29					30				
PHASE WATTAGE		4374	4174	4509						4135	2845	3090	PHASE WATTAGE
WATTS "A"LEG: 8509		WATTS "B" LEG 7019		WATTS "C" LEG 7599		TOTAL WATTS A+B+C=23127							
TOTAL WATTS: 23127		65		AMPS 120/240V		THREE PHASE		100 AMP BUS					
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

VOLTS: 120/230 THREE PHASE				PANEL: Y MICRO BIO.				FEED: EXTERIOR K-O			
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE			
LOAD	WATTS		BRK. C AMP	A	B	C	BRK. R	WATTS		C	LOAD
	A	B						A	B		
HVAC 5 TON	3576		60 3	1			2				
" "		3576		3			4	1 20		645	LIGHTS, FLUORESCENT
" "			3576		5		6	1 20		645	LIGHTS, FLUORESCENT
DUPLX RECEPT	800		20 1	7			8	1 20	200		DUPLX RECEPT
DUPLX RECEPT		400	20 1	9			10	1 20		200	DUPLX RECEPT
DUPLX RECEPT			200	1 11			12	1 20		200	DUPLX RECEPT
DUPLX RECEPT	400		20 1	13			14	1 20	200		DUPLX RECEPT
DUPLX RECEPT.		800	20 1	15			16	1 20		200	DUPLX RECEPT
DUPLX RECEPT.			400	20 1	17		18	1 20		200	DUPLX RECEPT
				19			20	1 20		200	DUPLX RECEPT
				21			22	1 20	600		DUPLX RECEPT
EXHAUST FAN		735	20 1	23			24	1 20		400	DUPLX RECEPT
				25			26	2 20	1500		WATER HEATER
DUPLX RECEPT.	200		20 1	27			28	20		1500	WATER HEATER
DUPLX RECEPT.		200	20 1	29			30	2 20		1500	WATER HEATER
				31			32	20 1500			WATER HEATER
SPACE				33			34				SPACE
				35			36				SPACE
				37			38				
				39			40				
PHASE WATTAGE	4776	4976	5111					4000	3145	2545	PHASE WATTAGE
WATTS "A"LEG: 8776	WATTS "B" LEG 8121		WATTS "C" LEG 7656		TOTAL WATTS A+B+C=24553						
TOTAL WATTS: 24553		69		AMPS 120/240V		THREE PHASE		100 AMP BUS			
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.											

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1

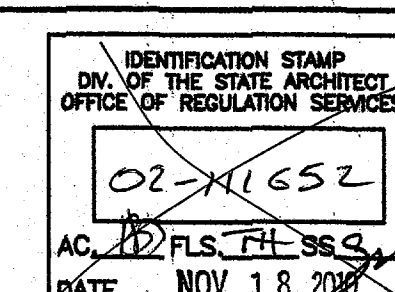
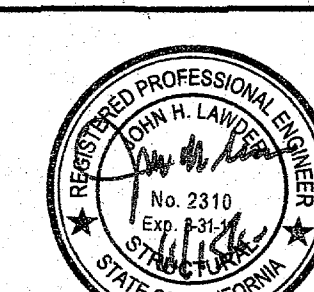
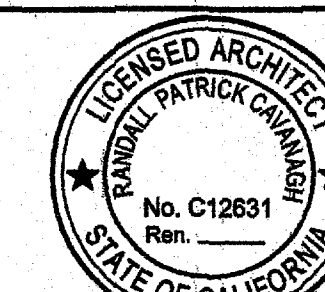
REVISIONS		
NO	DATE	DESCRIPTION
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DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE
24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

AMS
American Modular Systems Inc.
787 Sorensen Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:



PROJECT NO.
E2.3

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE
WILLIAMS SCOTSMAN, INC.
SUBCONTRACTOR
American Modular Systems Inc.
787 Sorensen Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
BASED ON PC# 02-109635

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 110435
ACS / FLS / SS
DATE MAY 09 2010

ADDENDUM

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VOLTS: 120/230 THREE PHASE					PANEL: Z					FEED: EXTERIOR K-O				
MAIN: 100 AMP MAIN BKR.					LOCATION: EXTERIOR					MOUNTING: SURFACE				
LOAD		WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD		
		A	B	AMP	R			R	AMP	A	B	C		
HVAC 5 TON	3576			40	3	1		2						
"		3576			3			4	1	20	645		LIGHTS, FLUORESCENT	
"			3576		5			6	1	20		645	LIGHTS, FLUORESCENT	
DUPLEX RECEPT	600			20	1	7		8	1	20	400		DUPLEX RECEPT	
DUPLEX RECEPT		600		20	1	9		10	1	20		400	DUPLEX RECEPT	
DUPLEX RECEPT			600	20	1	11		12	1	20		735	EXHAUST FAN	
DUPLEX RECEPT	600			20	1	13		14	1	20	735		EXHAUST FAN	
DUPLEX RECEPT.		600		20	1	15		16					SPACE	
DUPLEX RECEPT			600	20	1	17		18						
SPACE				19				20						
				21				22						
				23				24						
				25				26						
				27				28						
				29				30						
PHASE WATTAGE		4776	4776	4776						1135	1045	1580	PHASE WATTAGE	
WATTS "A"LEG: 5908		WATTS "B" LEG 5821		WATTS "C" LEG 6356		TOTAL WATTS A+B+C=18085								
TOTAL WATTS: 18085		52		AMPS		120/240V		THREE PHASE		100 AMP BUS.				
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.														

VOLTS: 120/230 THREE PHASE				PANEL: AA AMATOMY PHY				FEED: EXTERIOR K-0					
MAIN: 100 AMP MAIN BKR.				LOCATION: EXTERIOR				MOUNTING: SURFACE					
LOAD		WATTS		BRK.		A		B		C		LOAD	
				AMP		R		P		AMP			
HVAC 5 TON		3576		40		3		1		2			
"		3576				3				4		1 20 645 LIGHTS, FLUORESCENT	
"				3576		5				6		1 20 645 LIGHTS, FLUORESCENT	
DUPLEX RECEPT		600		20		1 7				8		1 20 400 DUPLEX RECEPT	
DUPLEX RECEPT				600		20		1 9		10		1 20 400 DUPLEX RECEPT	
DUPLEX RECEPT				600		20		1 11		12		1 20 400 DUPLEX RECEPT	
DUPLEX RECEPT		600		20		1 13				14		1 20 400 DUPLEX RECEPT	
DUPLEX RECEPT				600		20		1 15		16			
DUPLEX RECEPT				600		20		1 17		18		1 20 735 EXHAUST FAN	
SPACE						19				20		1 20 735 EXHAUST FAN	
						21				22			
						23				24			
						25				26			
						27				28			
						29				30			
PHASE WATTAGE		4776		4776		4776				1535		1045 1780 PHASE WATTAGE	
WATTS "A"LEG: 6311		WATTS "B" LEG 6221		WATTS "C" LEG 6156		TOTAL WATTS A+B+C=18688							
TOTAL WATTS: 16088		50		AMPS		120/240V		THREE PHASE		100 AMP BUS.			
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

VOLTS: 120/230 THREE PHASE					PANEL: BB LIFE SCI. HIT					FEED: EXTERIOR K-0				
MAIN: 100 AMP MAIN BKR.					LOCATION: EXTERIOR					MOUNTING: SURFACE				
LOAD		WATTS			BRK.	C	A	B	C	BRK.	WATTS			LOAD
		A	B	AMP							R	P	AMP	
HVAC 5 TON		4600			60	3	1			2				
" "			4600			3		•		4	1	20	645	LIGHTS, FLUORESCENT
" "				4600		5			•	6	1	20	645	LIGHTS, FLUORESCENT
DUPLEX RECEPT		400			20	1	7	•		8				SPACE
DUPLEX RECEPT			200		20	1	9	•		10				
							11			12				
DUPLEX RECEPT		200			20	1	13	•		14				
DUPLEX RECEPT.			200		20	1	15	•		16				
SPACE							17		•	18				
							19			20				
							21	•		22				
							23		•	24				
							25			26				
							27	•		28				
							29		•	30				
PHASE WATTAGE		5200	5000	5245							0	645	645	PHASE WATTAGE
WATTS "A"LEG: 5200		WATTS "B" LEG 5645		WATTS "C" LEG 5845		TOTAL WATTS A+B+C=16690								
TOTAL WATTS: 16690		47		AMPS		120/240V		THREE PHASE		100 AMP BUS.				
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.														

VOLTS: 120/230 THREE PHASE					PANEL: CC LIFE SCI. HIT					FEED: EXTERIOR K-0				
MAIN: 100 AMP MAIN BKR.					LOCATION: EXTERIOR					MOUNTING: SURFACE				
LOAD		WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD		
		A	B	AMP	R			R	AMP	A	B	C		
HVAC 5 TON	4600			60	3	1		2						
"	"	4600			3		•	4	1	20	645		LIGHTS, FLUORESCENT	
"	"		4600		5		•	6	1	20		645	LIGHTS, FLUORESCENT	
DUPLEX RECEPT	200			20	1	7		8	2	20	1708		AMANA AC	
DUPLEX RECEPT.		200		20	1	9		10			1708		AMANA AC	
DUPLEX RECEPT			600	20	1	11		12					SPACE	
DUPLEX RECEPT	800			20	1	13		14	2	20	1708		AMANA AC	
DUPLEX RECEPT.		800		20	1	15		16			1708		AMANA AC	
SPACE					17		•	18					SPACE	
					19		•	20						
					21		•	22						
					23		•	24						
					25		•	26						
					27		•	28						
					29		•	30						
PHASE WATTAGE		5800	5600	5200						3418	4045	645	PHASE WATTAGE	
WATTS "A"LEG: 9216		WATTS "B" LEG 9645		WATTS "C" LEG 5845		TOTAL WATTS A+B+C=24706								
TOTAL WATTS: 24706				69	AMPS 120/240V			THREE PHASE			100 AMP BUS.			
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.														

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1

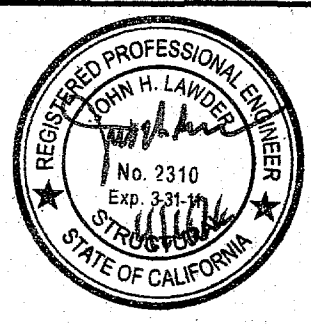
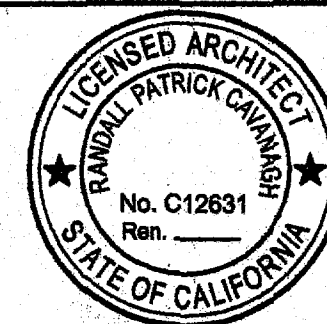
REVISIONS		
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2		
3		
4		

DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE
24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS



APPROVALS:

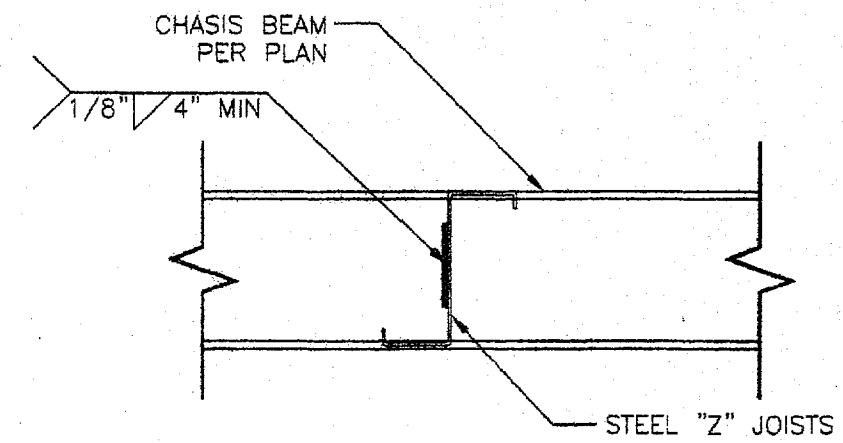


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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-11652
AC. 18 FLS. FH. SS. 1
DATE NOV 19 2010

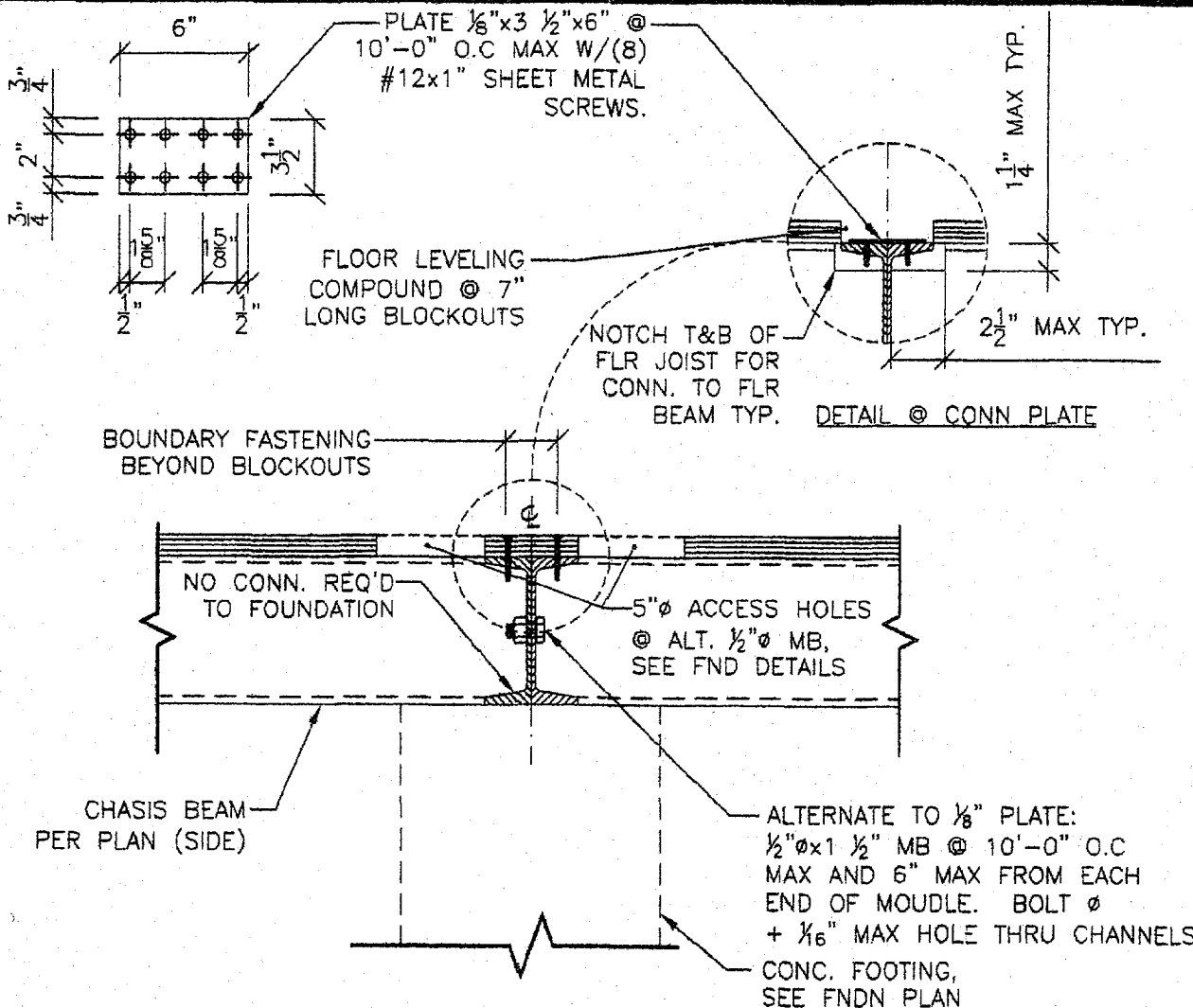
PROJECT NO.
E2.4

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE
WILLIAMS SCOTSMAN, INC..
SUBCONTRACTOR
American Modular Systems Inc.
787 Soreckale Ave, Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
BASED ON PC# 02-109635

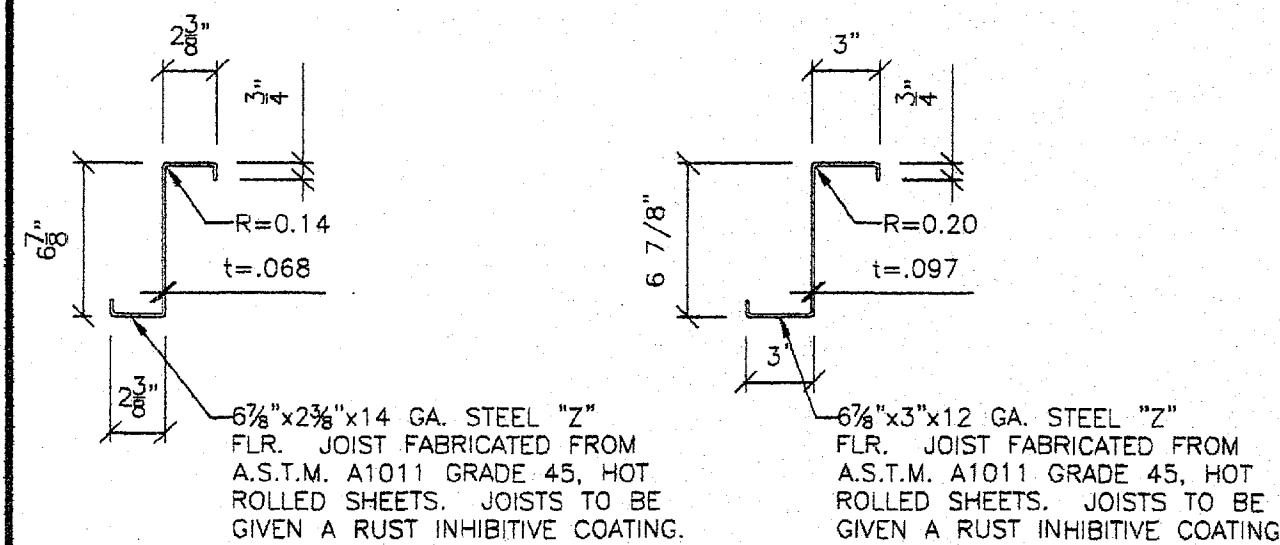
TYP FLOOR JOIST COPING



1 TYP JOIST ATTACHMENT TO BEAM
S2 1 1/2"=1'-0"



3 TYP. BEAM TO BEAM CONNECTION
S2 1 1/2"=1'-0"



14 GA. JOIST

12 GA. JOIST

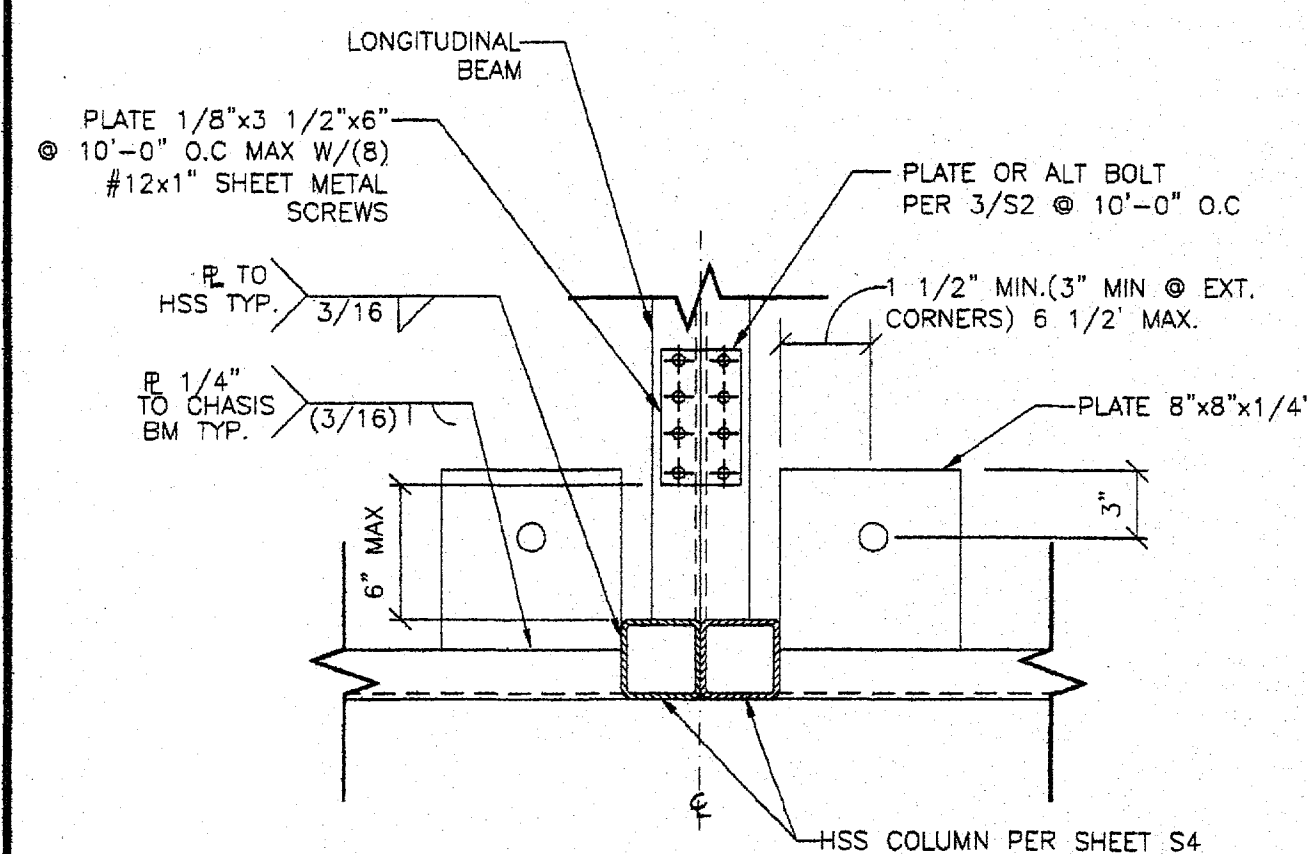
Z SECTION PROPERTIES

A=0.89 IN.²
Sx=1.85 IN.³
Ix=6.37 IN.⁴

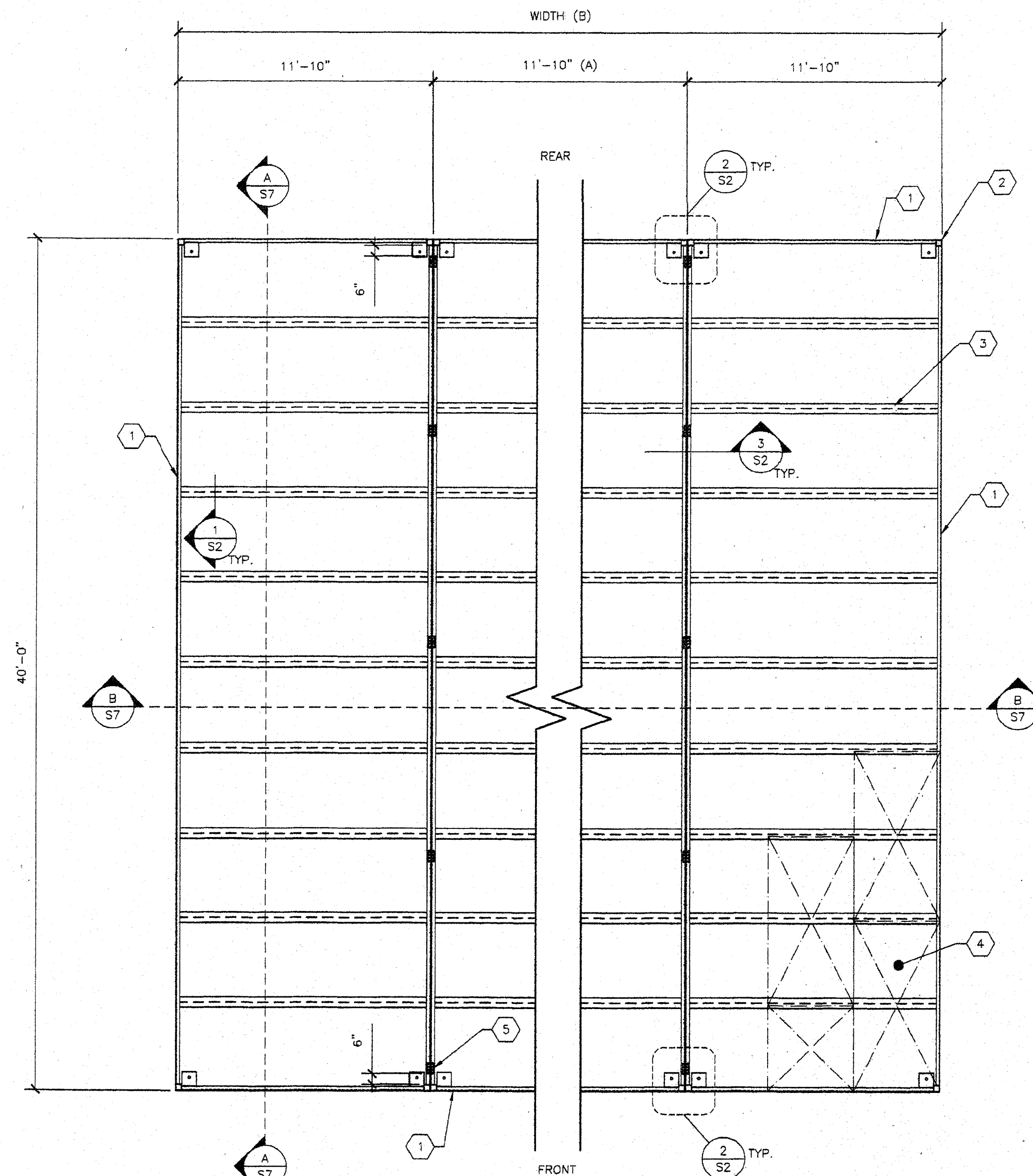
Z SECTION PROPERTIES

A=1.38 IN.²
Sx=2.97 IN.³
Ix=10.20 IN.⁴

1A TYP JOIST
S2 1 1/2"=1'-0"



2 TYP. FL. BEAM CONNECTION
S2 1 1/2"=1'-0"



1 TYPICAL FLOOR FRAMING LAYOUT
S2 1/4"=1'-0"

- KEY NOTES -

- 1 C 7x9.8 FLOOR BEAM
ALTERNATE C10x15.3
- 2 HSS COLUMN PER SCHEDULE SEE S4
- 3 FLOOR JOIST

LIVE LOAD PSF	SPACING	
	14 GA. JOIST	12 GA. JOIST
50 PSF	48" O.C.	48" O.C.
50+15 PSF	24" O.C.	48" O.C.
100 PSF	24" O.C.	24" O.C.
125 PSF	24" O.C.	24" O.C.

- 1 1/8" T&G PLYWOOD FLOOR SH'T'G
STURDI-H-FLOOR 48" O.C. SPAN RATING EXP. 1
CONFORMING TO PS 1-95
OPTION: UNI-FLOOR BY PITTSBURGH
TESTING LAB CONFORMING TO PS 1-95.
STAGGER SHEETS 48" O.C. AS SHOWN W/
FACE GRAIN NORMAL TO FLOOR JOISTS.
FASTENING: BOUNDARY OF EA. MODULE:
#12x2 1/4" WOOD TEK @ CHANNEL @ 6" O.C.
PANEL EDGES: ET&F 0.144"x2" MIN.
POWER DRIVEN PINS @ 6" O.C.
FIELD: ET&F 0.144"x2" MIN. POWER
DRIVEN PINS @ 10" O.C.

NOTE: SEE ICC ER-4144 FOR ET&F
BRAND PNEUMATIC PINS.

- 5 PLATE 1/8"x 3 1/2"x6" @
10'-0" O.C. MAX W/8 #12x1"
SHEET METAL SCREWS
ALTERNATE:
2"x6"x1/2" MB @ 10'-0" O.C. MAX
AND 6" MAX FROM EACH END OF
MODULE. BOLT @ +1/8" MAX HOLE
THRU CHANNELS SEE DETAIL 3/S2

- GENERAL NOTES -

1. THE BOLTED LONGITUDINAL FLOOR CHANNEL
CONNECTIONS ARE NOMINAL AND ARE NOT
REQUIRED STRUCTUALLY.
2. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER,
IN THEIR END-USE, SHALL MEET OR EXCEED THE
MINIMUM BASE METAL THICKNESS SPECIFIED IN THE
TABLE OR IN THE PLAN. THE MATERIAL GAGE
DESIGNATION IN THE PLAN SHALL BE USED AS
REFERENCE ONLY.

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
24' x 40'	2	0	23'-8 1/4"
36' x 40'	3	1	35'-0 1/2"
48' x 40'	4	2	47'-4 3/4"
60' x 40'	5	3	58'-8 3/4"
72' x 40'	6	4	71'-1 1/4"
84' x 40'	7	5	82'-1 1/2"
96' x 40'	8	6	94'-6 3/4"
108' x 40'	9	7	106'-8"
120' x 40'	10	8	118'-6 1/4"
132' x 40'	11	9	130'-6 1/2"
144' x 40'	12	10	142'-2 3/4"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

04 110435

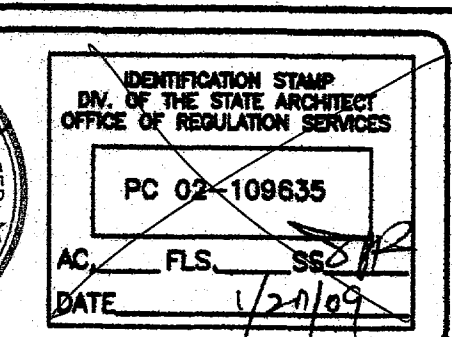
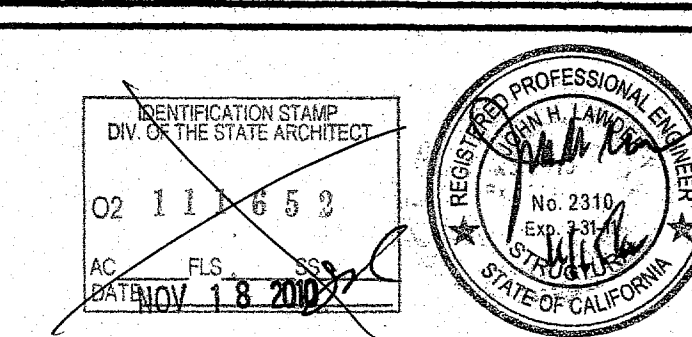
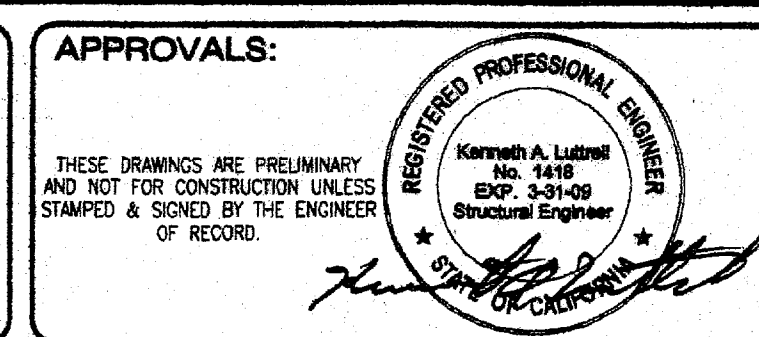
ACS / FLS - SS

DATE MAY 09 2009

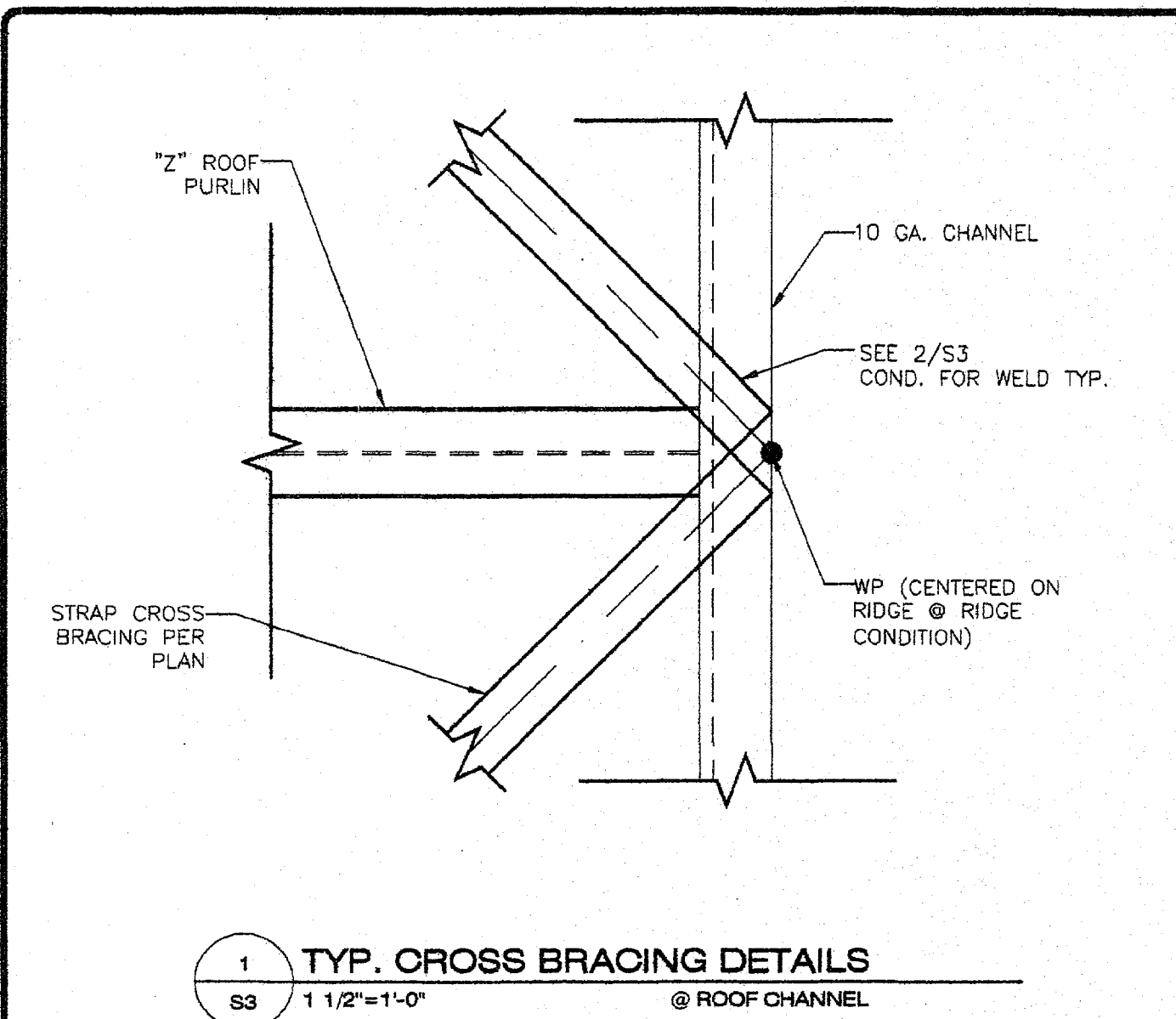
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DRAWN BY: DM
SERIAL NO.:

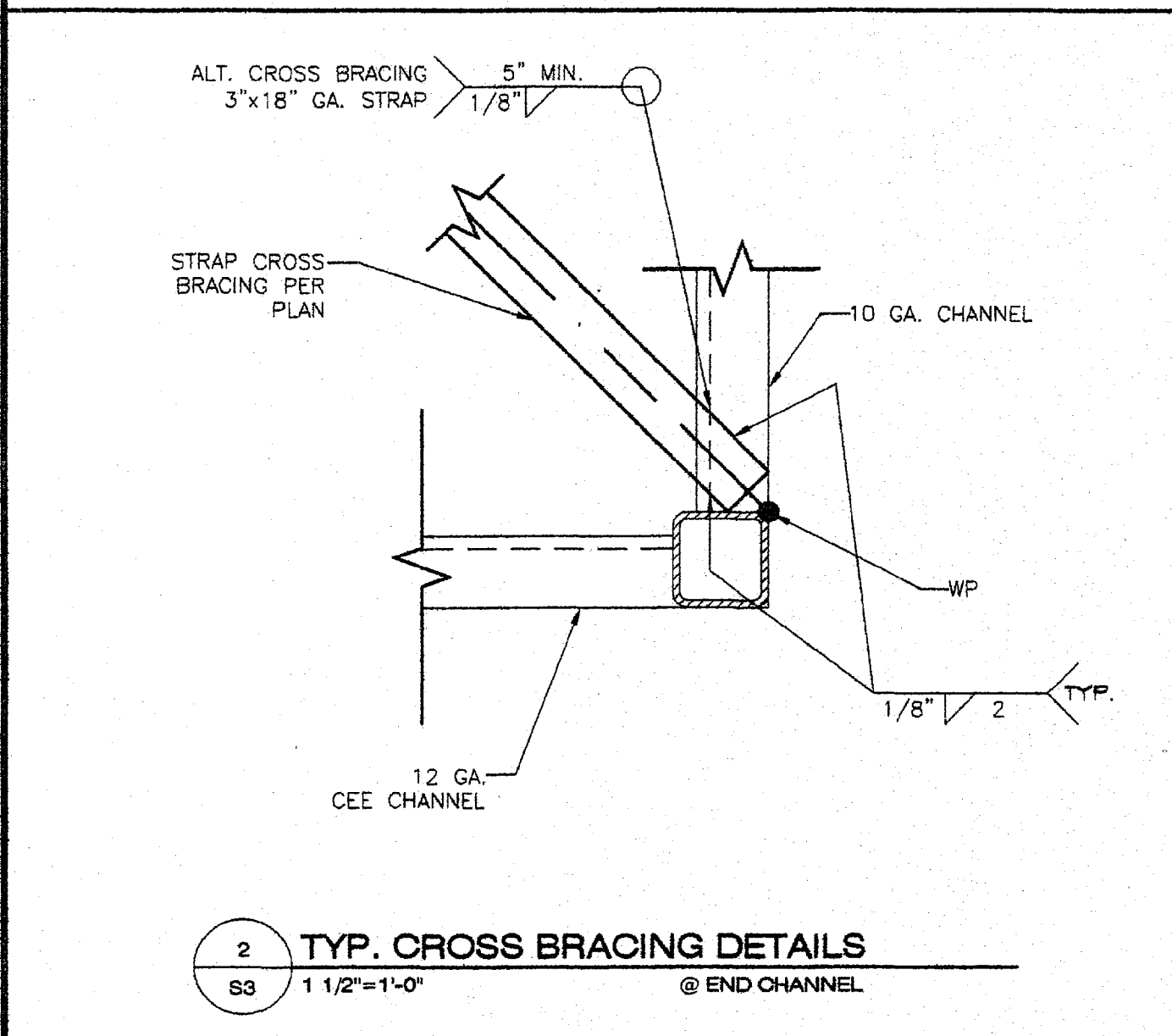
CUSTOMER:
24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOMS FLOOR FRAMING PLANS (PLYWOOD)



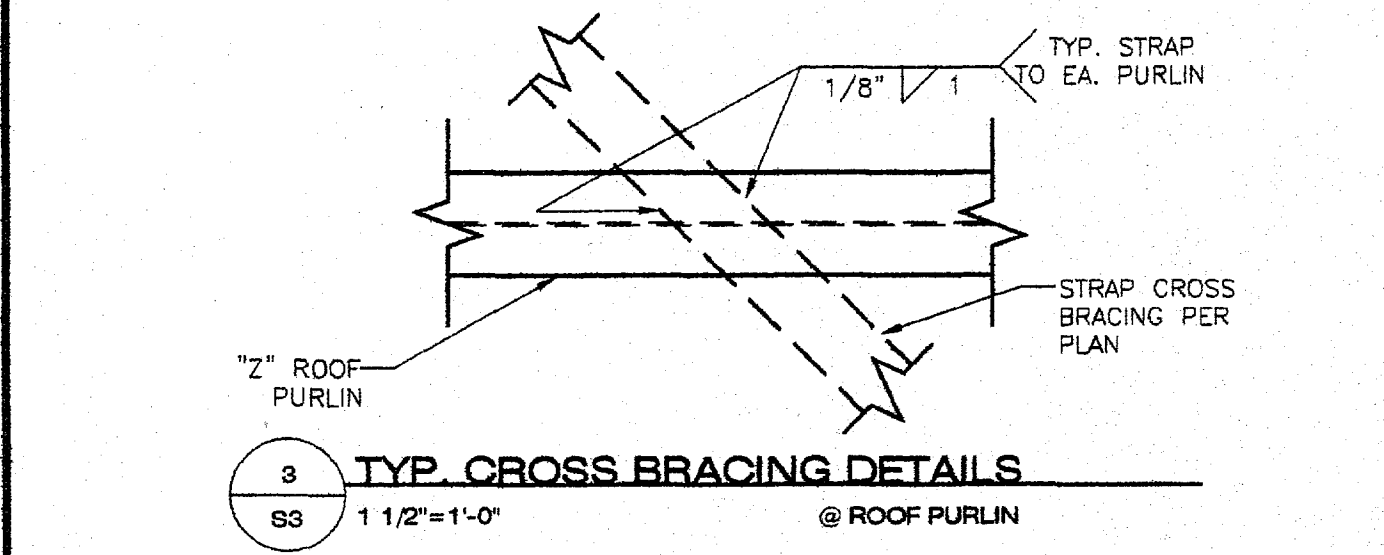
PROJECT No. PC
S2



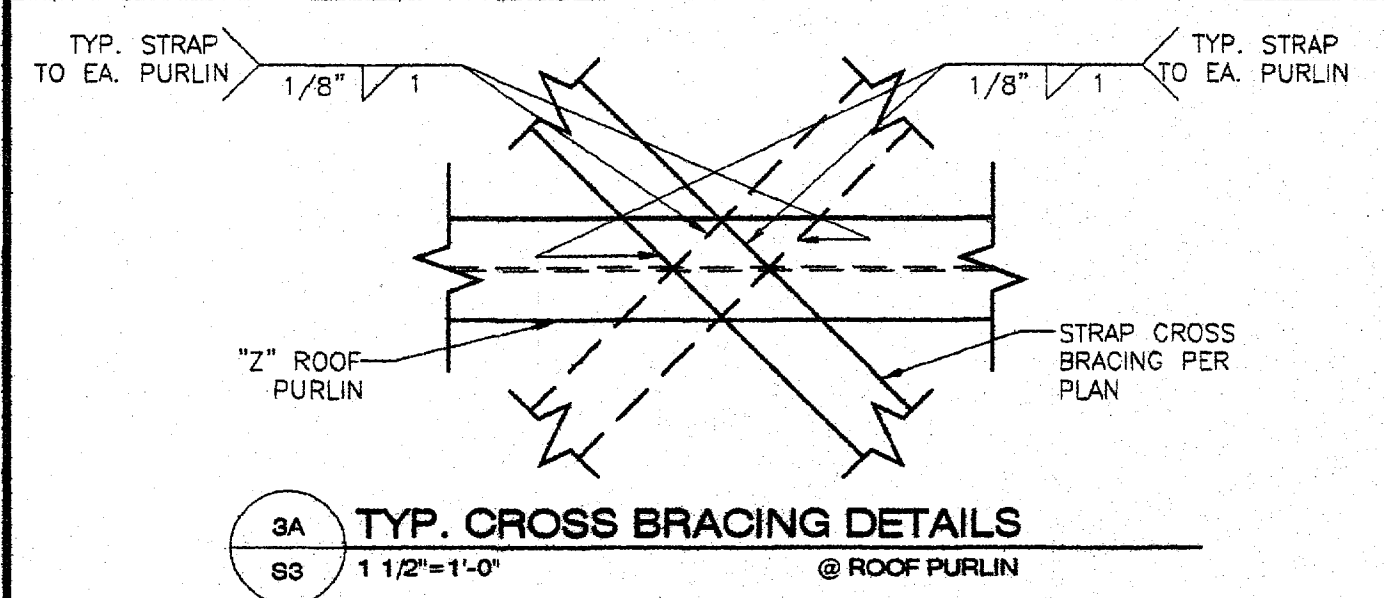
1 TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0"



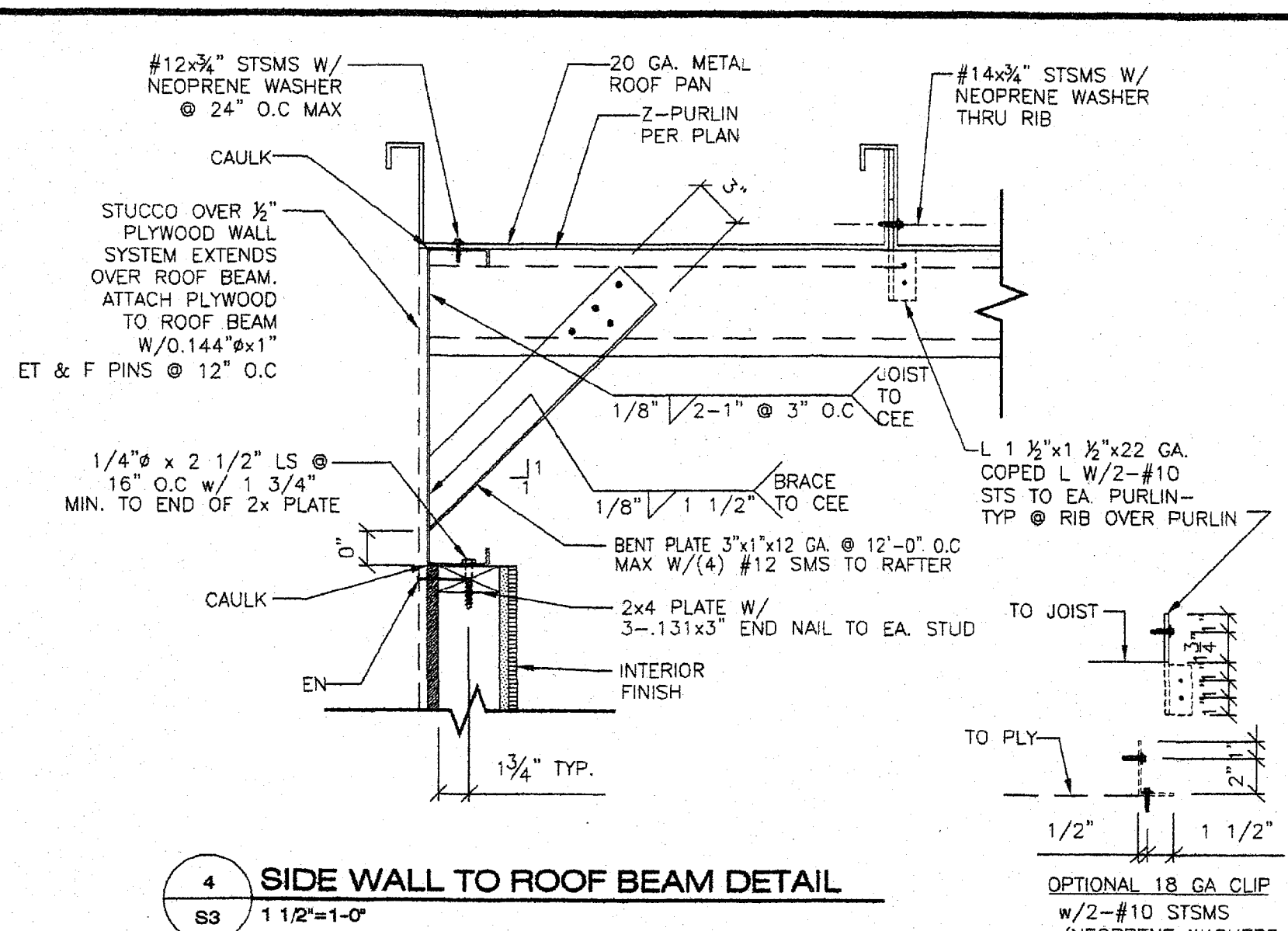
2 TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0"



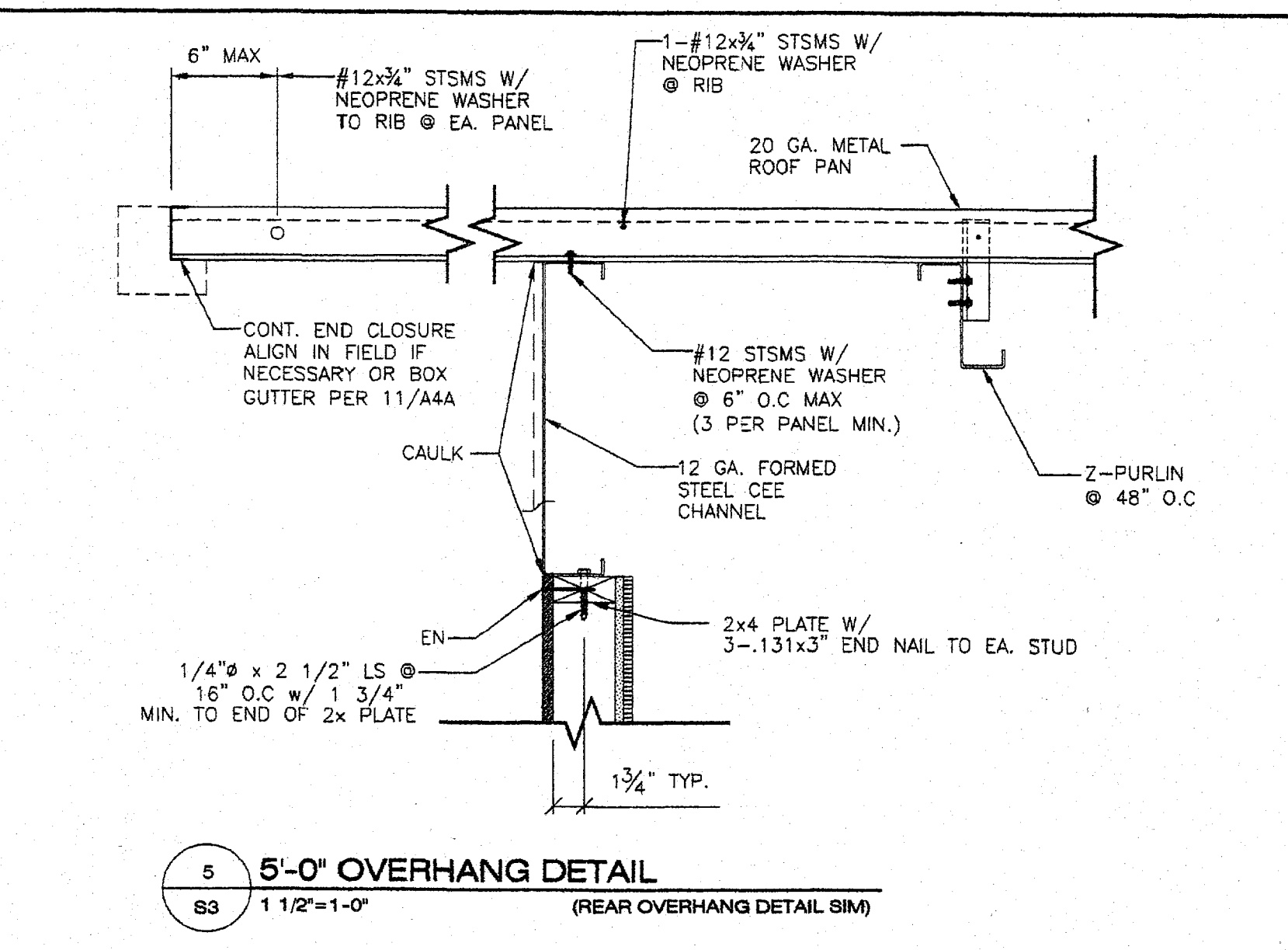
3 TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0"



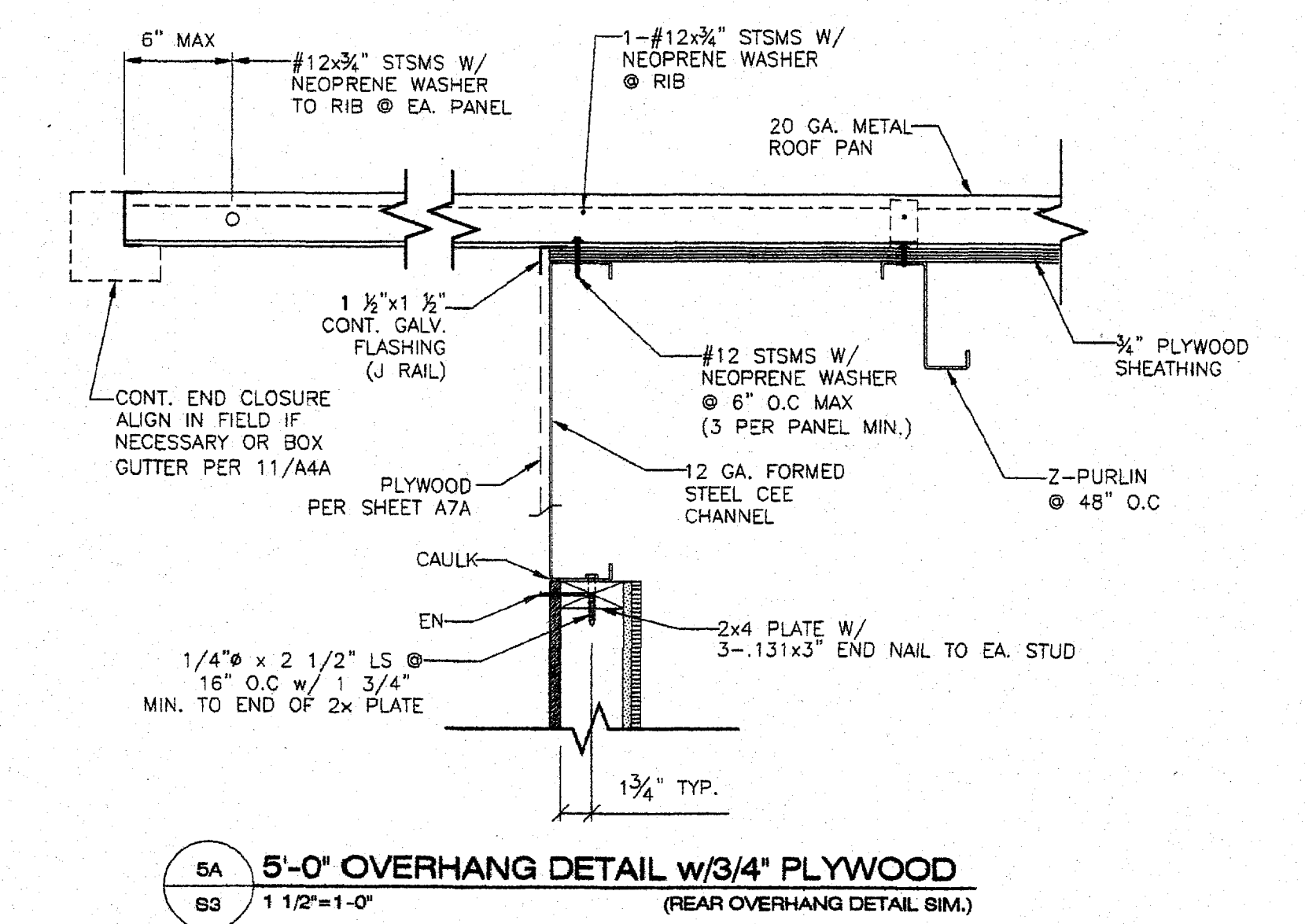
3A TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0"



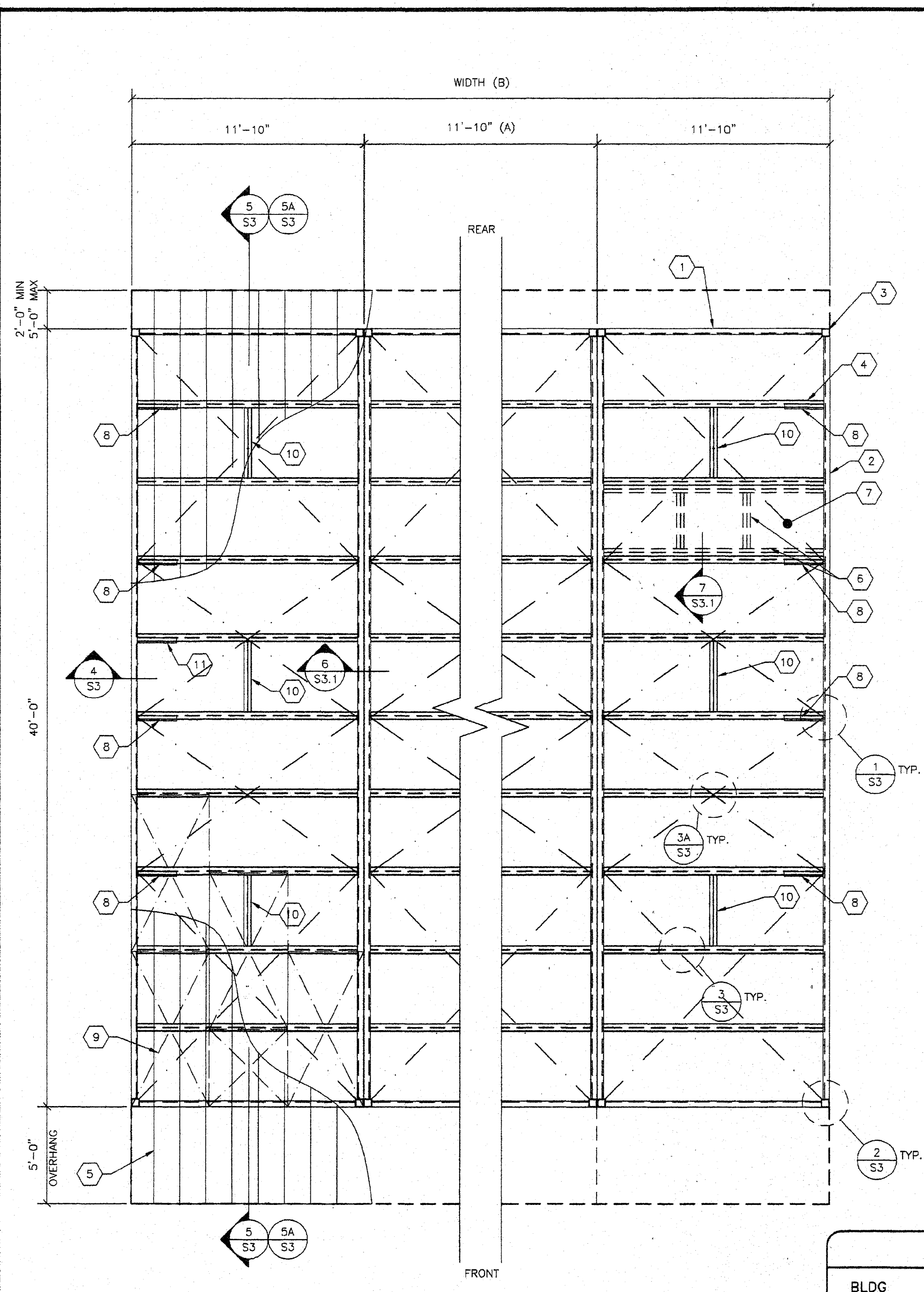
4 SIDE WALL TO ROOF BEAM DETAIL
S3 1 1/2"=1'-0"



5 5'-0" OVERHANG DETAIL
S3 1 1/2"=1'-0"



5A 5'-0" OVERHANG DETAIL w/3/4\"/>



1 TYPICAL ROOF FRAMING LAYOUT
S3 1/4"=1'-0"

- KEY NOTES -**
- 12 GA. TRANSVERSE BEAM
 - 10 GA. LONGITUDINAL ROOF CHANNEL TYP.
 - HSS PER SHEET S4
 - 2" FORMED ROOF PURLINS PER 8A/S3.1 @ 48" O.C. MAX
 - 20 GA. ROOF PAN ALTERNATE 26 GA. ROOF PAN W/ROOF PLYWOOD & ENCLOSED SOFFIT OVERHANG OPTIONS ONLY SEE SHEET S3A
 - PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG @ OPTIONAL 600# HVAC. (10'-0" MAX FROM END OF BLDG TO CENTER OF UNIT)
 - 2"x18 GA. STRAP CROSS BRACING GRADE 50 ALT. CROSS BRACING 3"x18 GA. GRADE 50
 - 3x12 GA. BENT PLATE BRACE @ EA. STRAP TO 10 GA. BM CONN. & @ 12'-0" O.C. MAX AND (1) ADDITIONAL BENT PLATE AT PURLIN BLOCKING LOCATION. REFER TO PLAN FOR LOCATIONS AND 4/S3 FOR DETAILS
 - ALTERNATE TO CROSS BRACING: 3/4" ROOF SHING CD EXPOSURE 1 BLW ROOF PAN, SPAN INDEX: 48", GRAIN NORMAL TO RAFTERS. NAILING: ET & F POWER DRIVEN PINS, UNO. BOUNDARY OF EA. MODULE: 0.144"x2" PINS @ 6" O.C. OR #12x2" SMS @ 6" O.C. PANEL EDGE: 0.144"x2" PINS OR #10x1 1/2" SMS @ 8" O.C. PANEL FIELD: 0.144"x2" PINS OR #10x2" SMS @ 12" O.C. ROOF SHING MAY REPLACE STRAP CROSS BRACING ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & 3/4" MIN. FROM EDGE OF STEEL SUPPORTING MEMBER. SEE S3A FOR MORE INFORMATION.
 - PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 7/S3.1. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES

- GENERAL NOTES -**
- THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
 - SEE SHEET S5 FOR TYP. SIDE WALL FRAMING.
 - SEE SHEET S5 FOR TYP. END WALL FRAMING.
 - ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED W/NEOPRENE WASHERS.

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
24' x 40'	2	0	23'-8 1/4"
36' x 40'	3	1	35'-6 1/2"
48' x 40'	4	2	47'-4 3/4"
60' x 40'	5	3	59'-3"
72' x 40'	6	4	71'-1 1/4"
84' x 40'	7	5	82'-11 1/2"
96' x 40'	8	6	94'-9 3/4"
108' x 40'	9	7	106'-8"
120' x 40'	10	8	118'-6 1/4"
132' x 40'	11	9	130'-4 1/2"
144' x 40'	12	10	142'-2 3/4"

REVISIONS

NO	DATE	DESCRIPTION
1	01/25/08	SCALE: NOTED
2		DRAWN BY: DM
3		SERIAL NO.:

DATE: 01/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

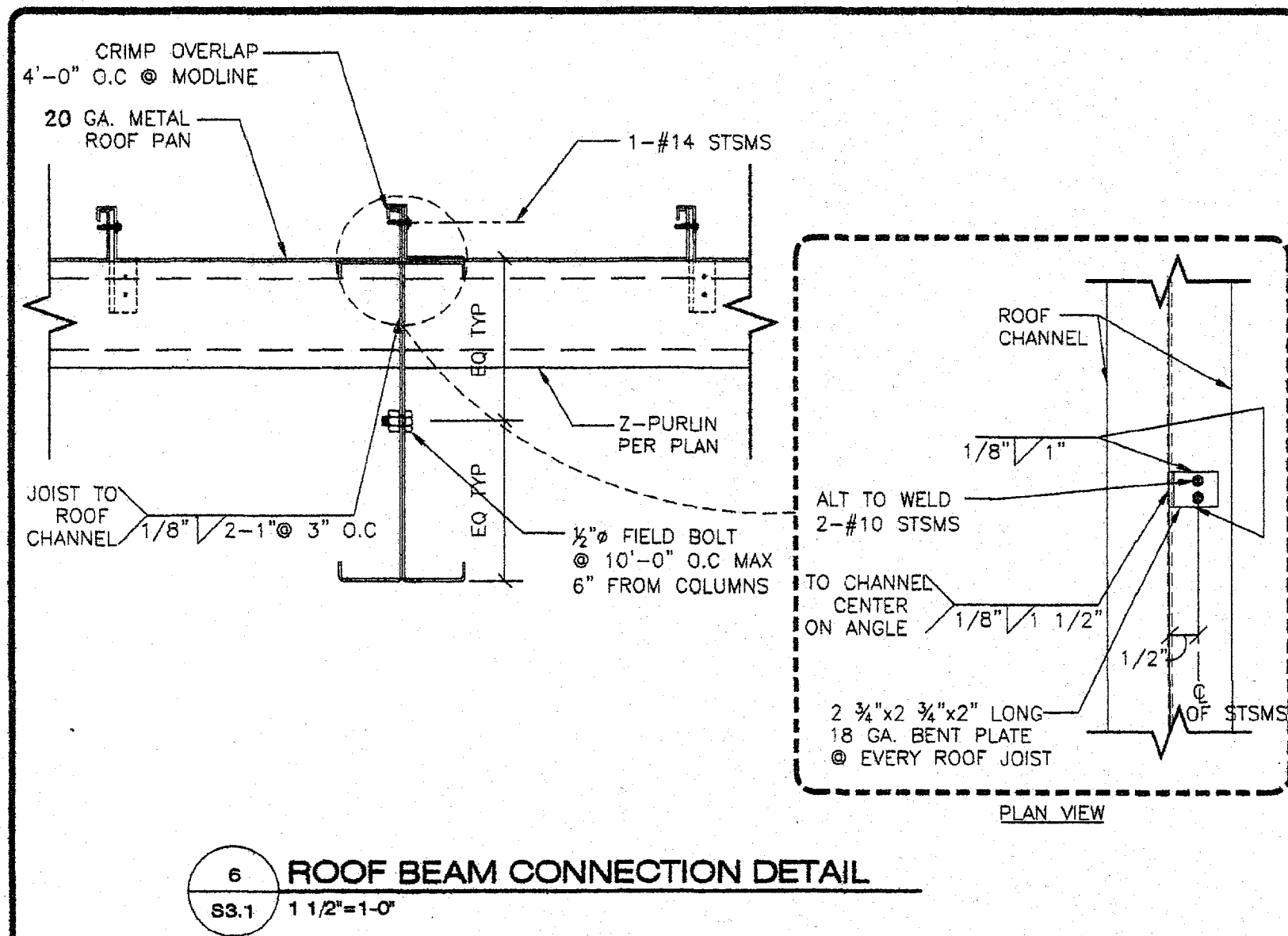
CUSTOMER:
24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOMS
ROOF FRAMING PLANS (OPEN SOFFIT)

AMS
American Modular Systems Inc.
787 Bonicville Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

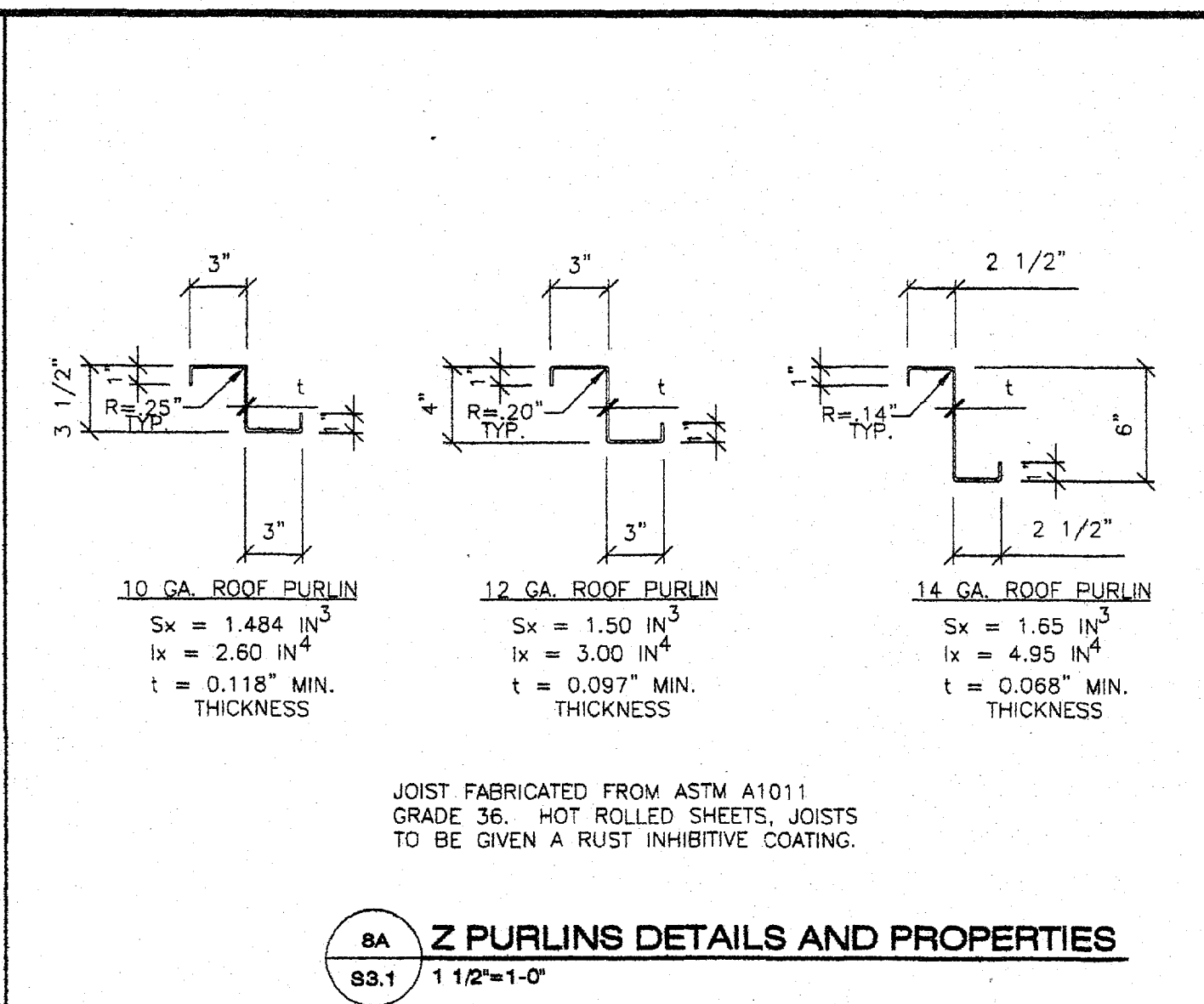
APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
Kenneth A. Luttrell
No. 1418
Exp. 5-31-08
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111852
AC FLS S3
DATE MAY 09 2009

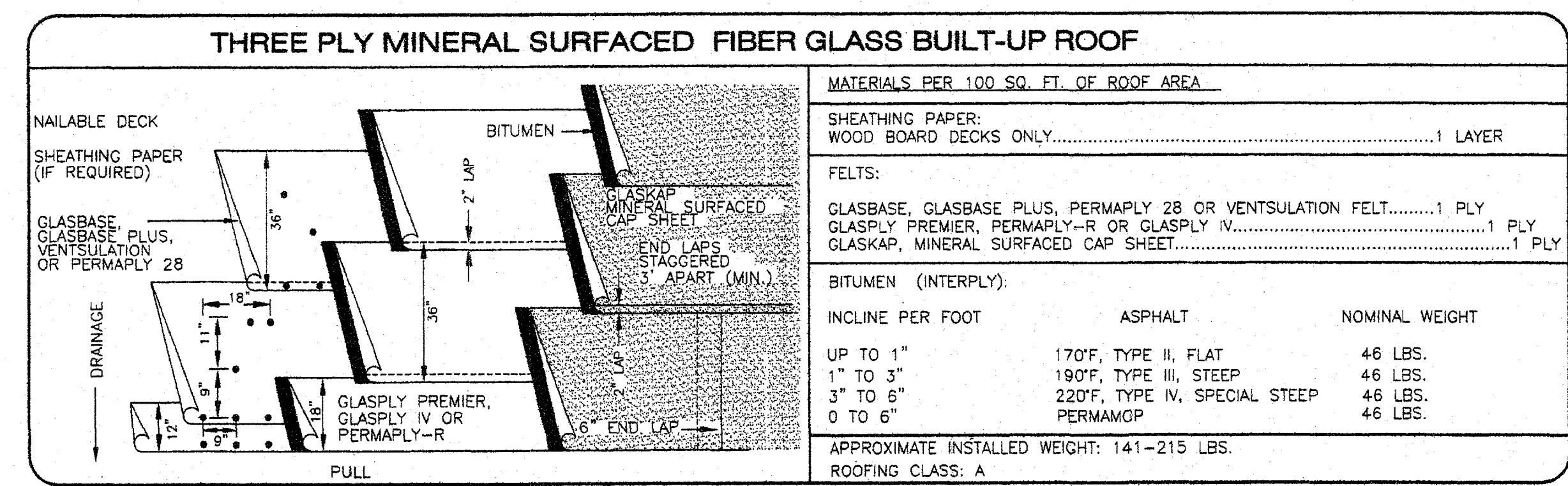
PROJECT No.
PC
S3



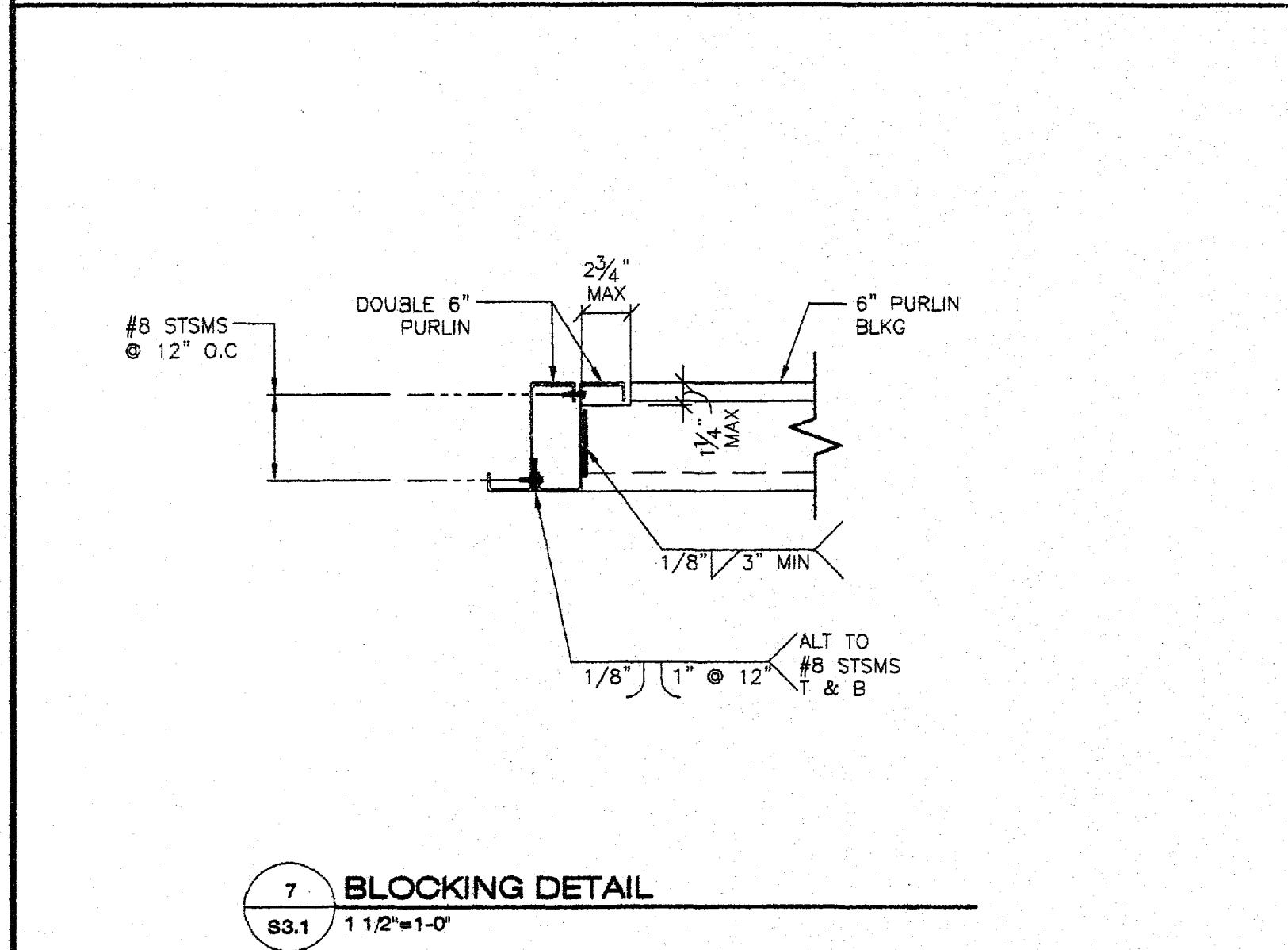
6 ROOF BEAM CONNECTION DETAIL
S3.1 1 1/2"=1'-0"



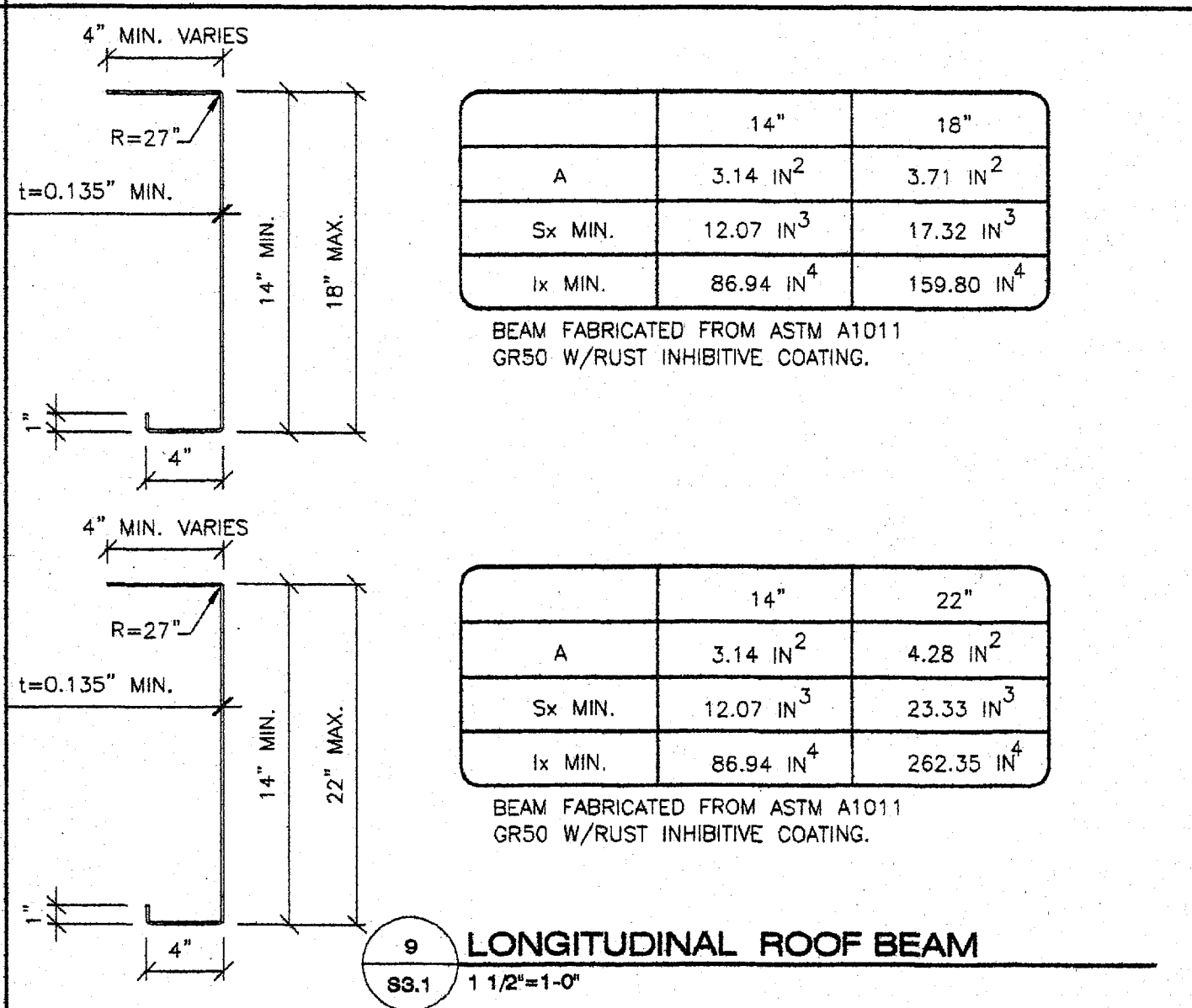
8A Z PURLINS DETAILS AND PROPERTIES
S3.1 1 1/2"=1'-0"



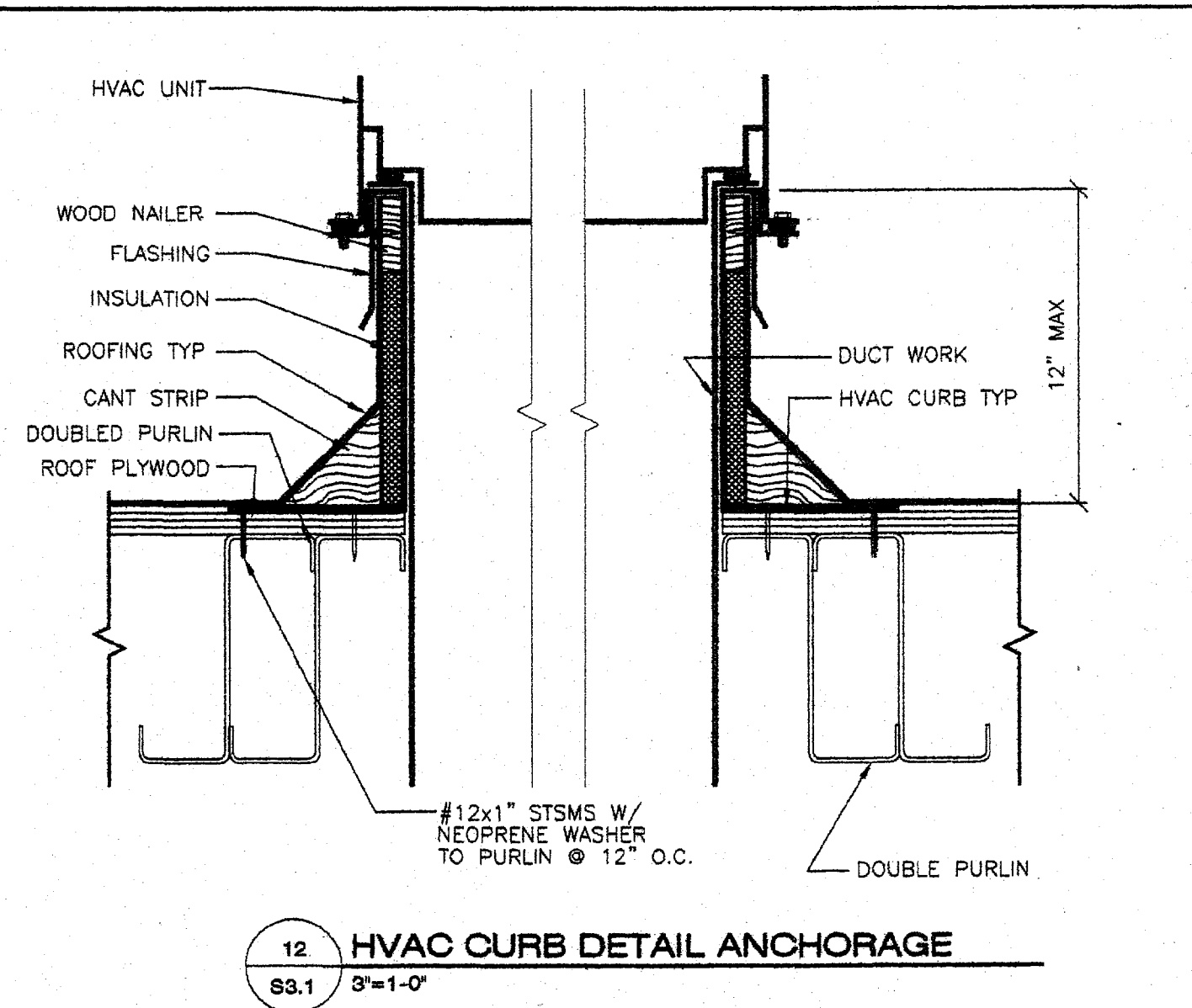
11 THREE PLY MINERAL BUILT-UP ROOF
S3.1 1 1/2"=1'-0"



7 BLOCKING DETAIL
S3.1 1 1/2"=1'-0"



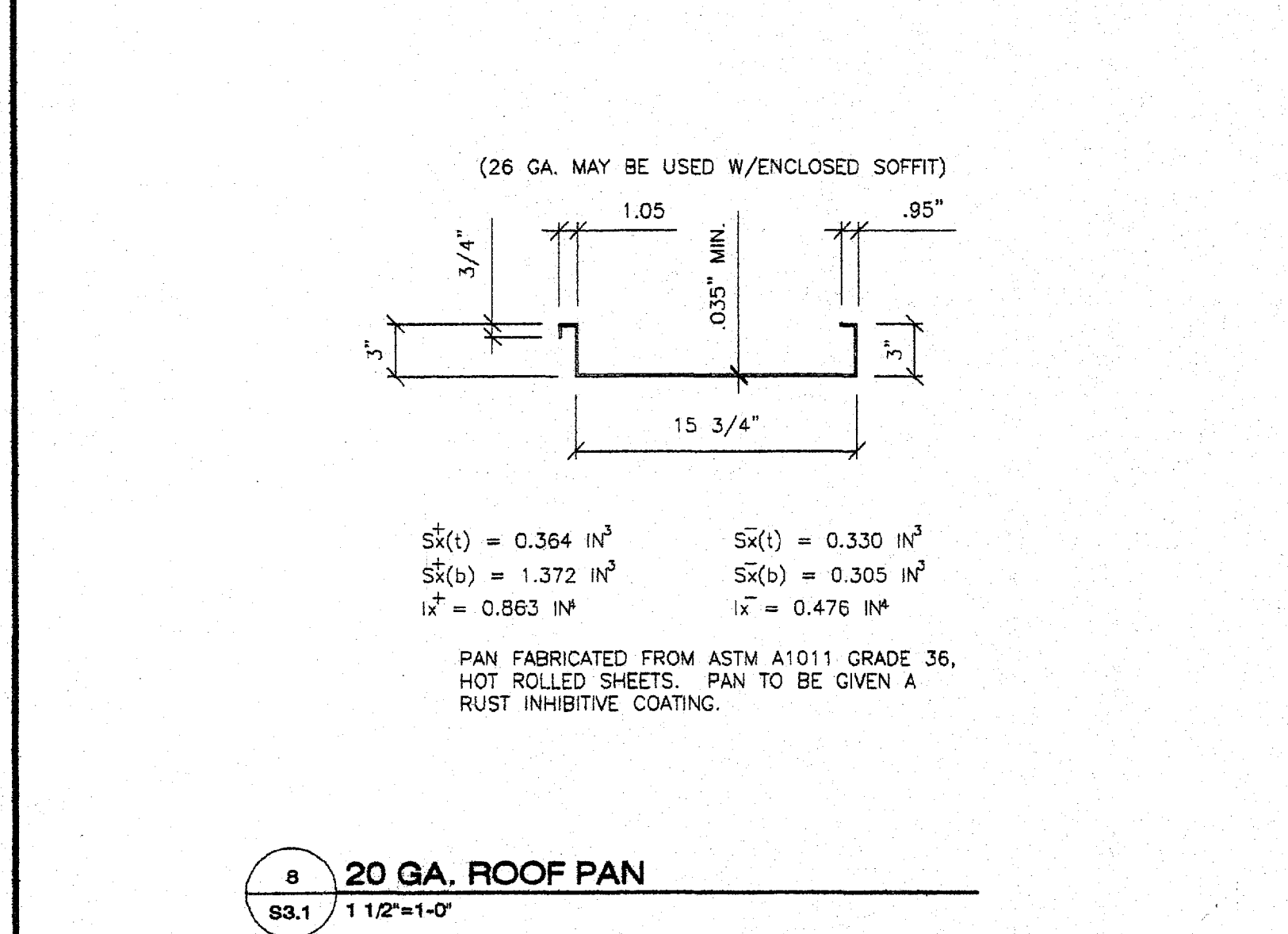
9 LONGITUDINAL ROOF BEAM
S3.1 1 1/2"=1'-0"



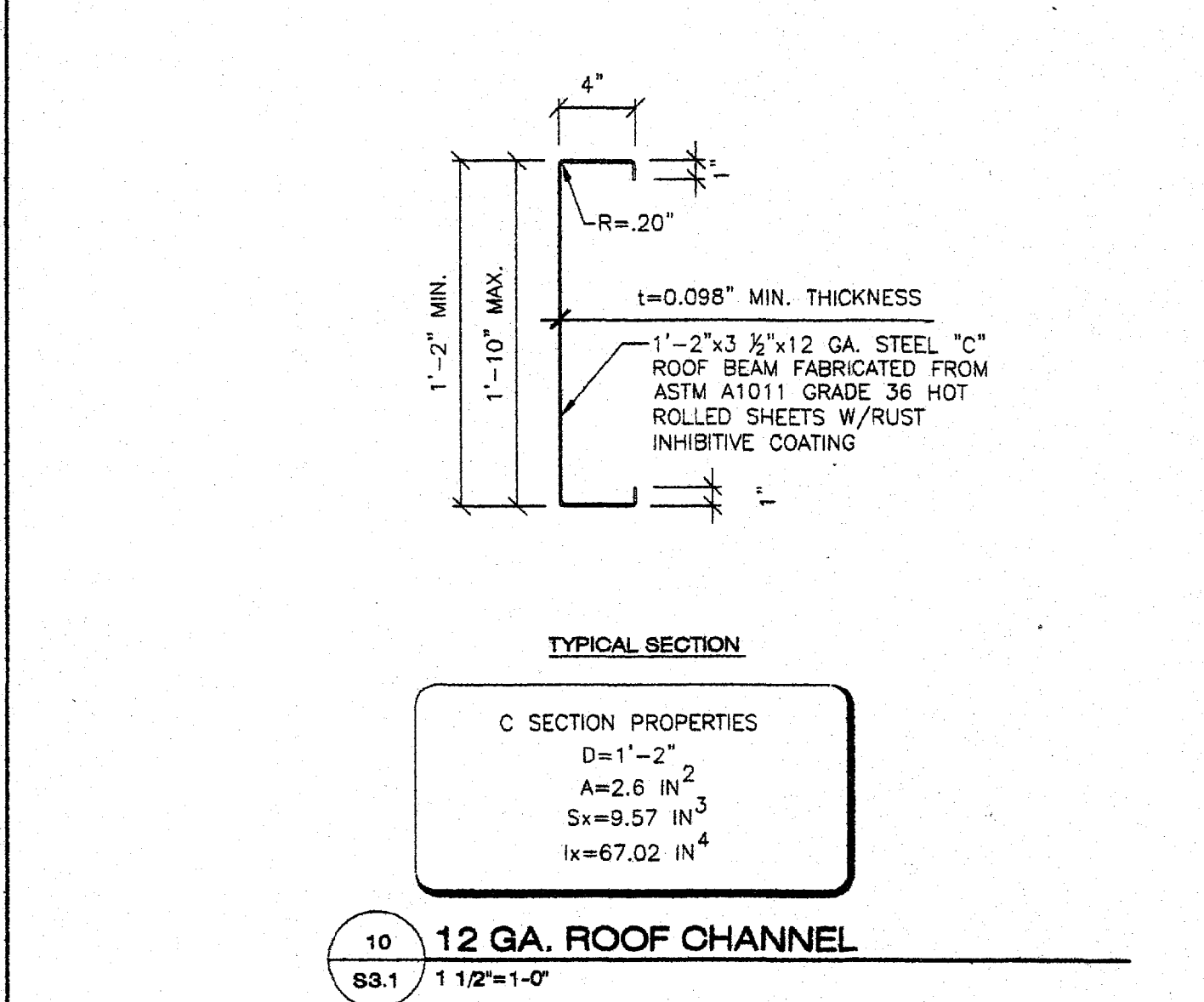
12 HVAC CURB DETAIL ANCHORAGE
S3.1 3"=1'-0"

- GENERAL NOTES -

1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.



8 20 GA. ROOF PAN
S3.1 1 1/2"=1'-0"



10 12 GA. ROOF CHANNEL
S3.1 1 1/2"=1'-0"

REVISIONS

NO	DATE	DESCRIPTION

DATE: 01/25/08

SCALE: NOTED

DRAWN BY: DM

SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOMS

ROOF FRAMING DETAILS



APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REGISTERED PROFESSIONAL ENGINEER

Kenneth A. Luttrell

No. 1414

EXP. 3-31-09

Structural Engineer

STATE OF CALIFORNIA

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

02 111652

AC FLS SS

DATE NOV 18 2008

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

PC 02-109635

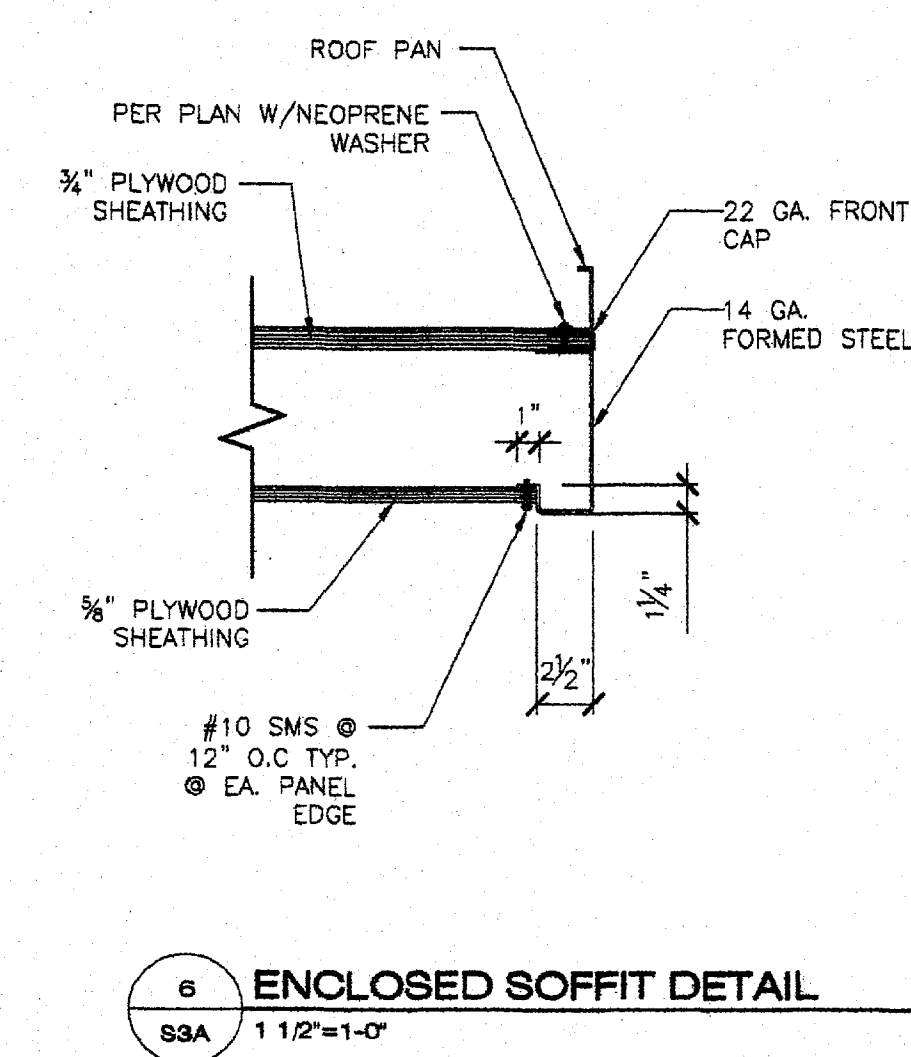
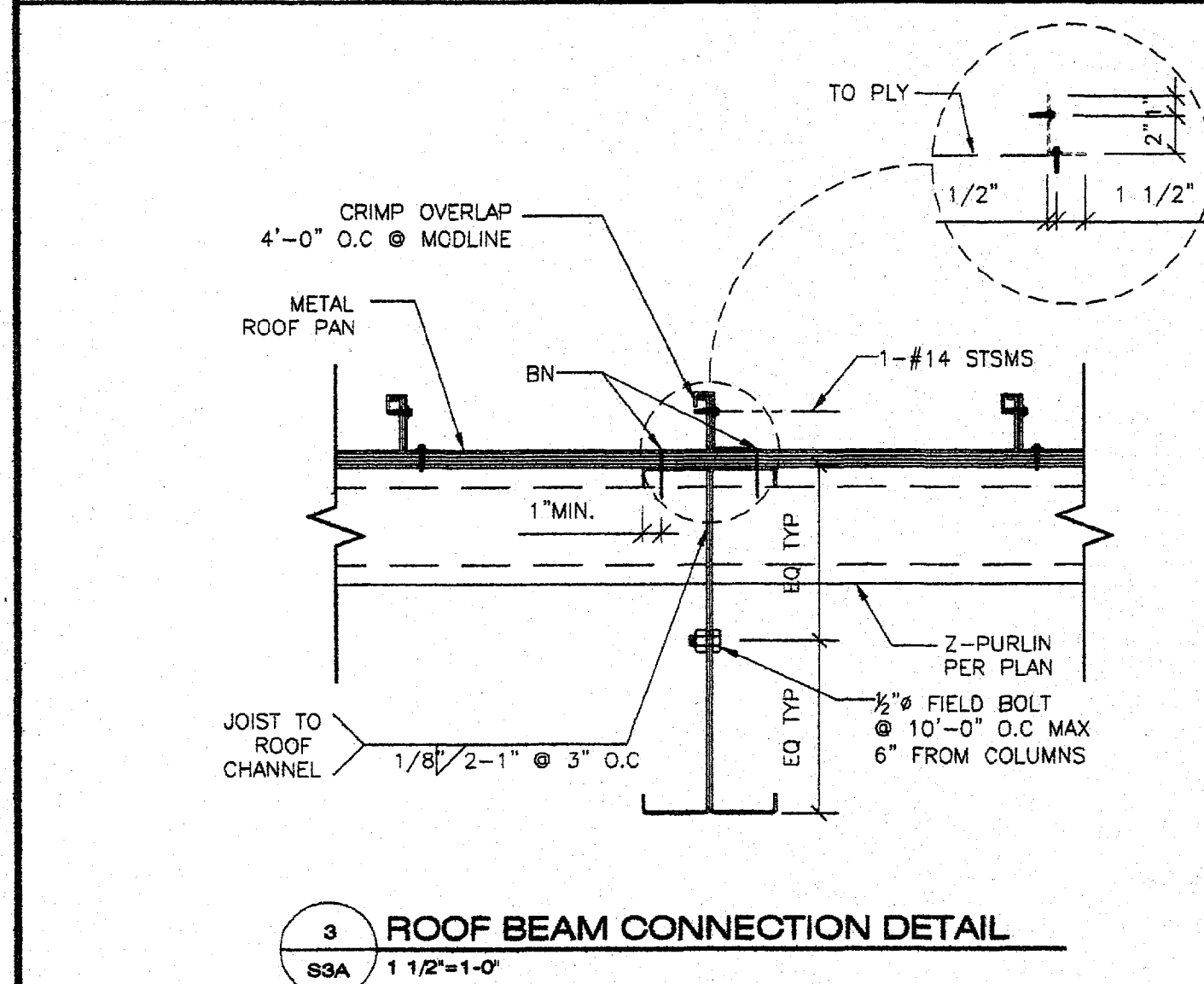
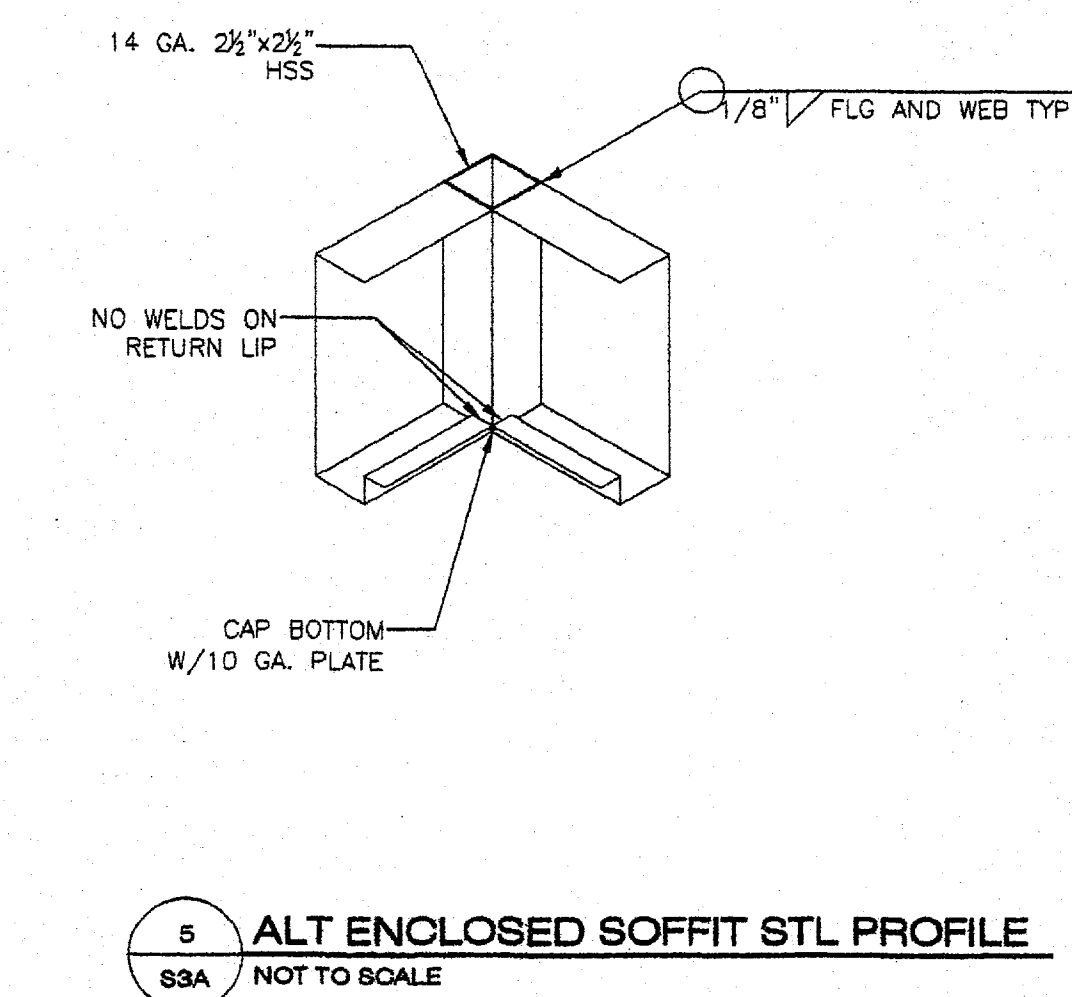
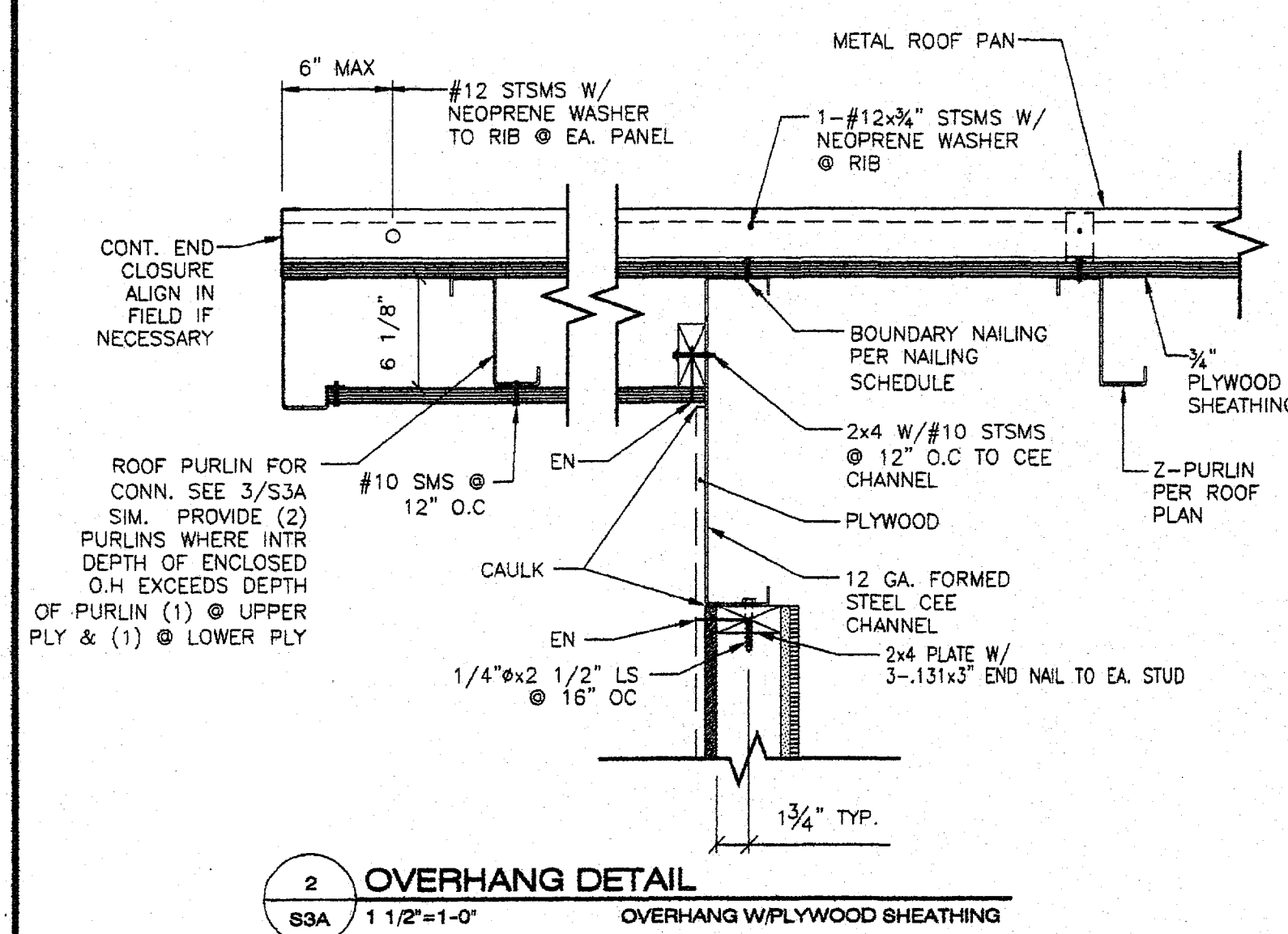
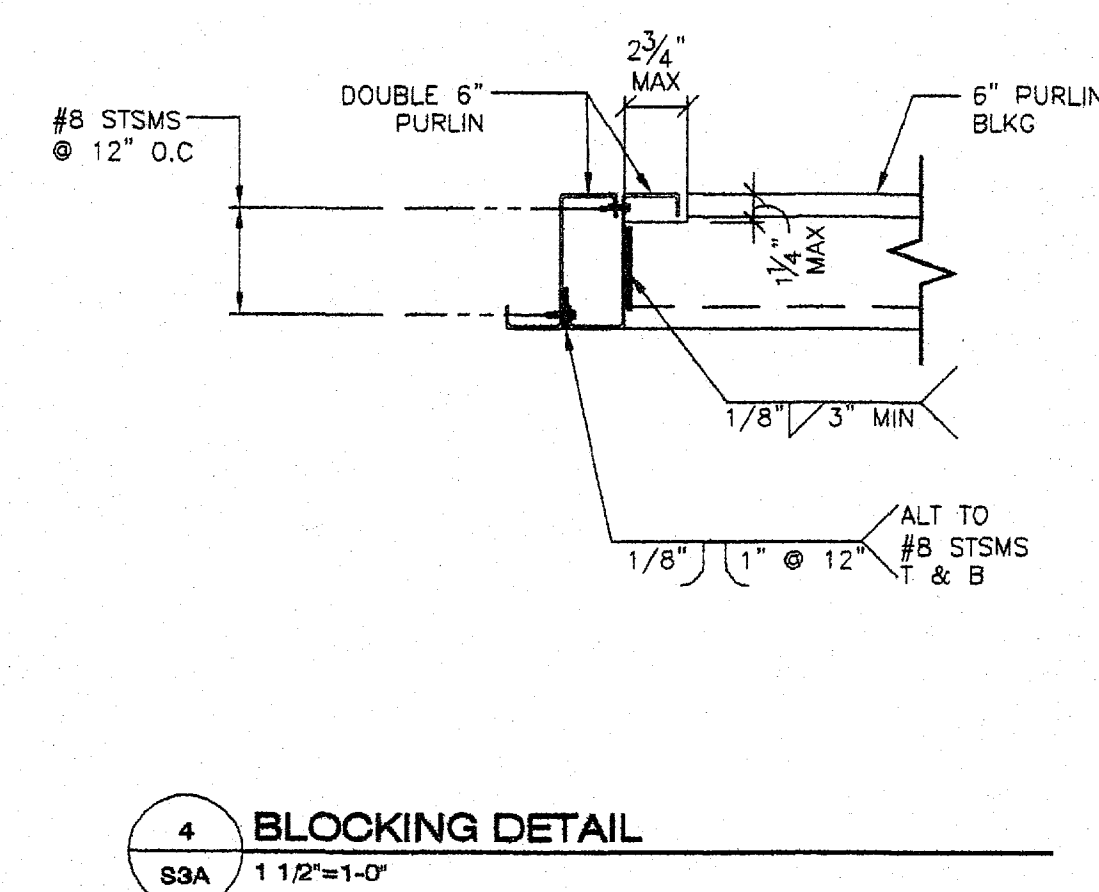
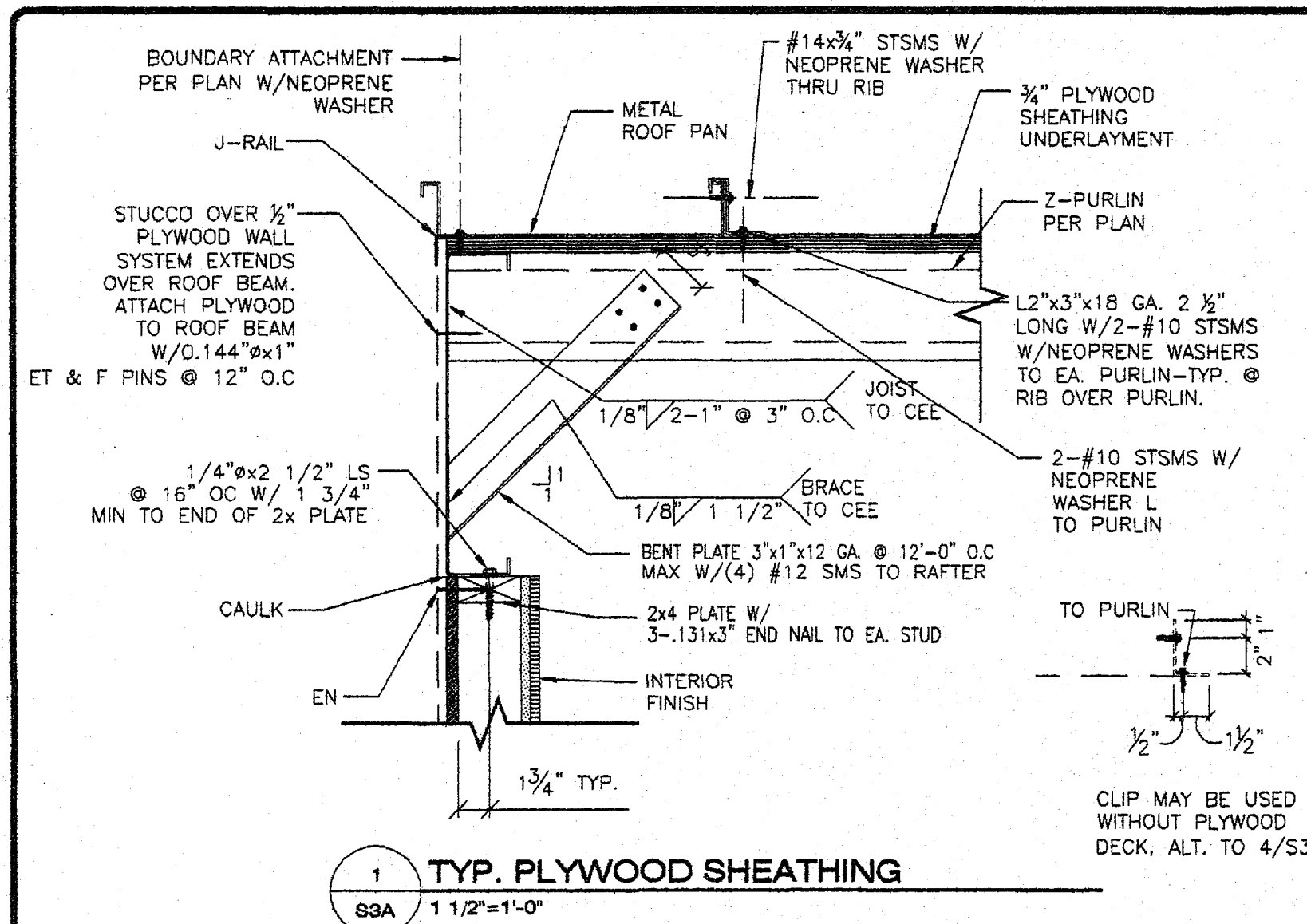
AC FLS SS

DATE 1/20/09

PROJECT No.

PC

S3.1



- KEY NOTES -

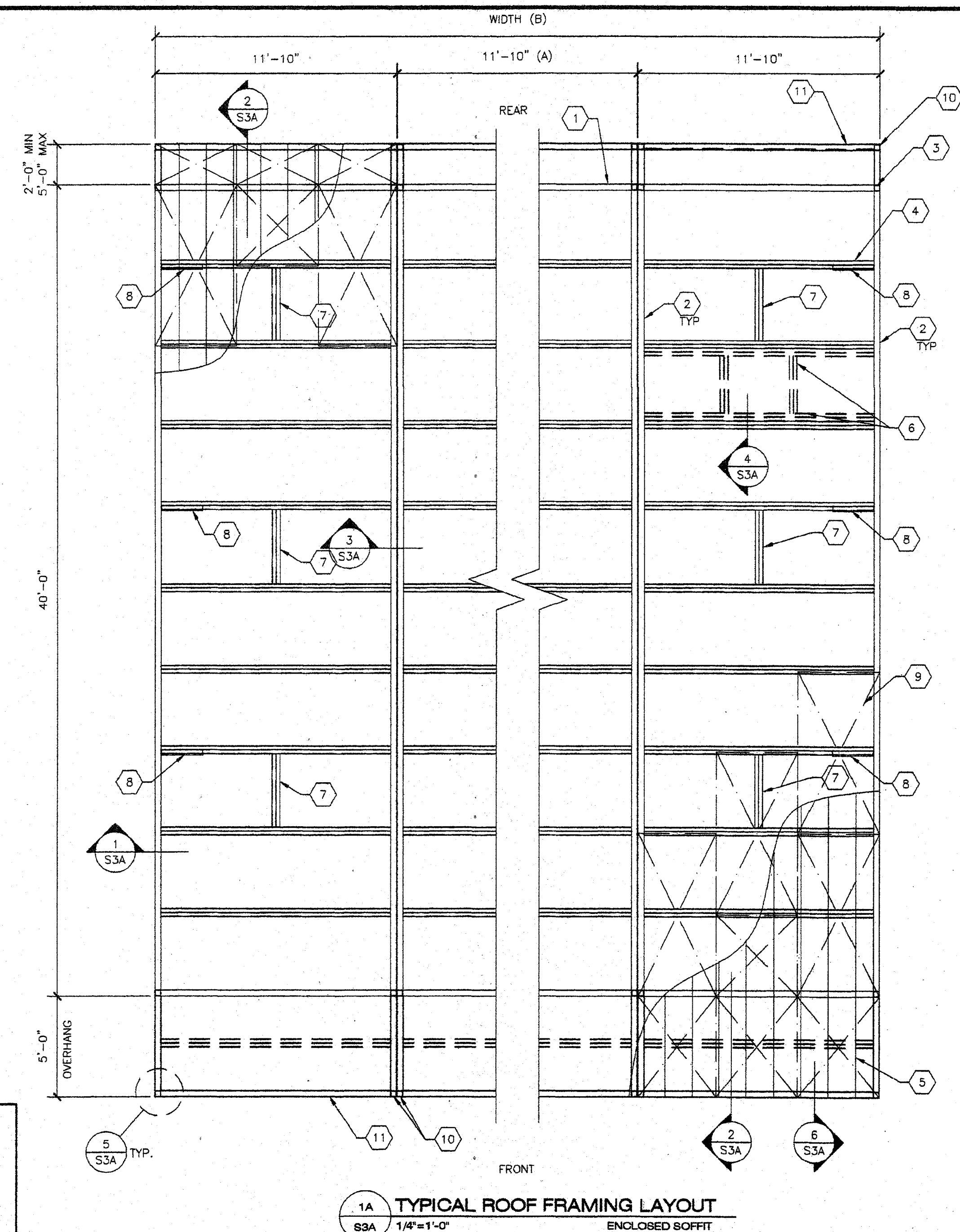
- 1) 12 GA. TRANSVERSE BEAM
- 2) 10 GA. LONGITUDINAL ROOF CHANNEL TYP.
- 3) HSS PER SCHEDULE SHEET S4
- 4) "Z" FORMED ROOF PURLINS PER BA/S3.1
@ 48" O.C. MAX
- 5) 16x3 0.34"x20 GA. ROOF PAN
(ALT. 26 GA. ROOF PAN **OVER PLY DECK ONLY**)
- 6) PROVIDE DOUBLE BLG PURLINS
W/6" PURLIN BULK @ OPTIONAL
EDGE HVAC
(10"-0" MAX FROM END OF BLDG
TO CENTER OF UNIT)
- 7) PURLIN BLOCKING
WELD TO ROOF PURLINS PER DETAIL 7/S3.1.
BLOCKING IS ONLY REQUIRED AT THE OUTSIDE
MODULES
- 8) 3"x1"x12 GA. BENT PLATE PER 1/S3A
LOCATE AT PURLINS W/BLOCKING
PER NOTE 7 ABOVE
(IF CROSS BRACING IS USED THEN REFER TO
PLAN 1/S3 FOR BENT PLATE LOCATIONS)
- 9) 3/4" APA RATED L-P OSB SHEATHING
OR 3/4" PLYWOOD (ALL SHEATHING SHALL
BE EITHER T&G OR EDGE CLIP)
COMPLY WITH DSA PA-062,
CD EXPOSURE-1 48/24 SPAN INDEX,
FACE GRAIN NORMAL TO ROOF JOISTS
ROOF SHTG MAY BE REPLACED BY STRAP
CROSS BRACING (REFER TO SHEET S3 FOR
DETAILS) ALL BOUNDARY, EDGE
& FIELD ATTACHMENTS SHALL BE 1" MIN.
FROM EDGE OF PLYWOOD &
EDGE OF STEEL SUPPORTING MEMBER.
- 10) HSS COLUMN 14 GA.
- 11) 14 GA. FORMED STEEL CEE SEE 7/S3A
2 1/2"x2 1/2" TYP.

FASTENING SPACING SCHEDULE					
NAILING	0.144 PINS SPACING		# 10 SMS SPACING		
	TYPICAL	WITHIN 4' OF BUILDING CORNERS		TYPICAL	WITHIN 4' OF BUILDING CORNER
BOUNDARY	6" O.C.	6" O.C.	6" O.C.	6" O.C.	
EDGE	6" O.C.	6" O.C.	6" O.C.	6" O.C.	
FIELD	12" O.C	6" O.C	12" O.C	12" O.C	

ET & F 0.144 PINS PER ICC ESR #4144

1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE MATERIAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
2. SEE SHEET SS FOR TYP. SIDE WALL FRAMING.
3. SEE SHEET SS FOR TYP. END WALL FRAMING.
4. ALL FASTENERS THRU MATERIAL ROOF PANEL SHALL BE INSTALLED w/NEOPRENE WASHERS.

- MODULE SCHEDULE -			
BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
24' x 40'	2	0	23'-8 1/4"
36' x 40'	3	1	35'-6 1/2"
48' x 40'	4	2	47'-4 3/4"
60' x 40'	5	3	59'-2"
72' x 40'	6	4	71'-1 1/4"
84' x 40'	7	5	82'-11 1/2"
96' x 40'	8	6	94'-9 3/4"
108' x 40'	9	7	106'-0"
120' x 40'	10	8	118'-6 1/4"
132' x 40'	11	9	130'-4 1/2"
144' x 40'	12	10	142'-2 3/4"



REVISIONS		
NO	DATE	DESCRIPTION
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DATE: 12/04/07

SCALE: NOTED

DRAWN BY: DM

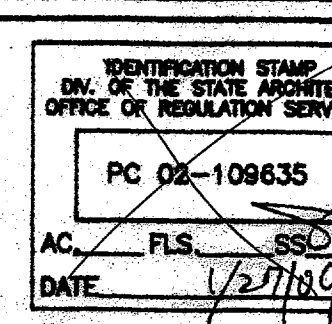
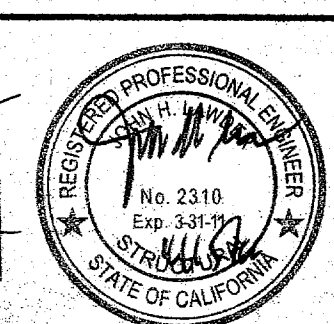
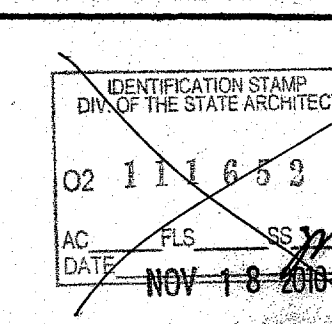
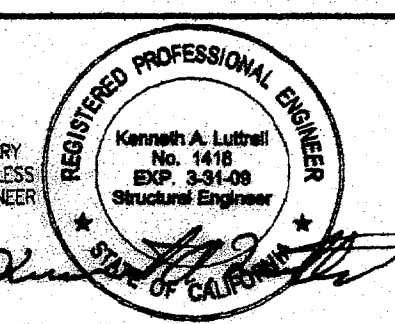
SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOM
ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT OPTIONS)

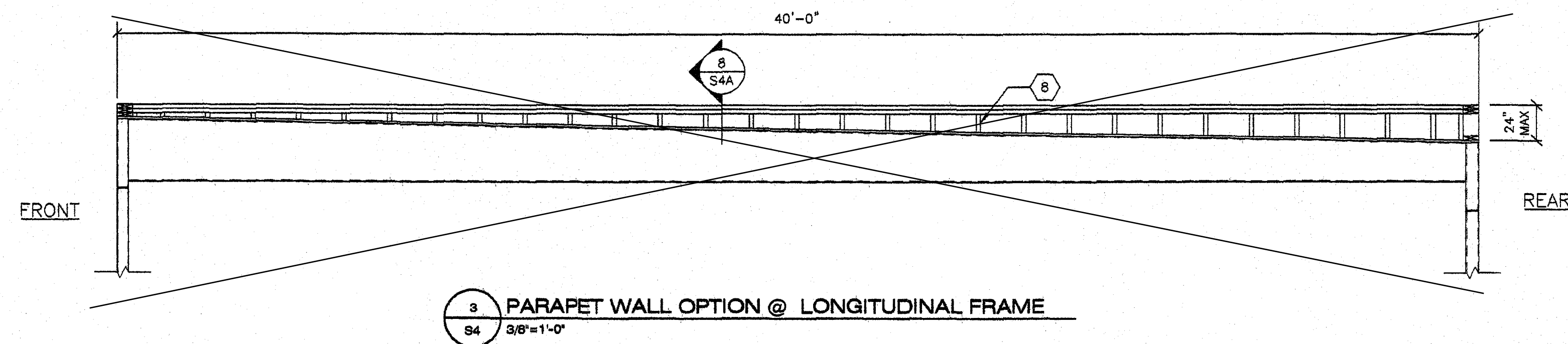
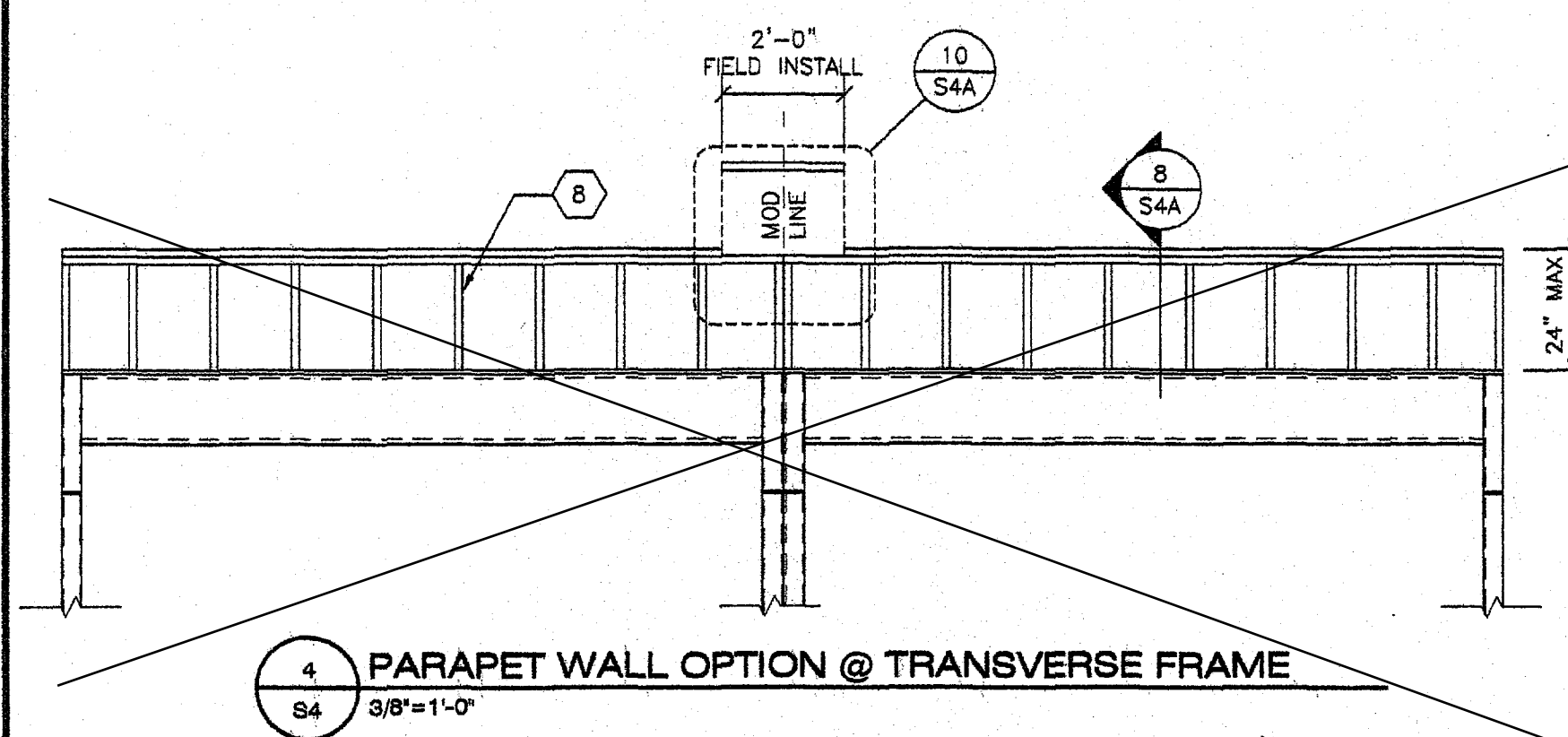
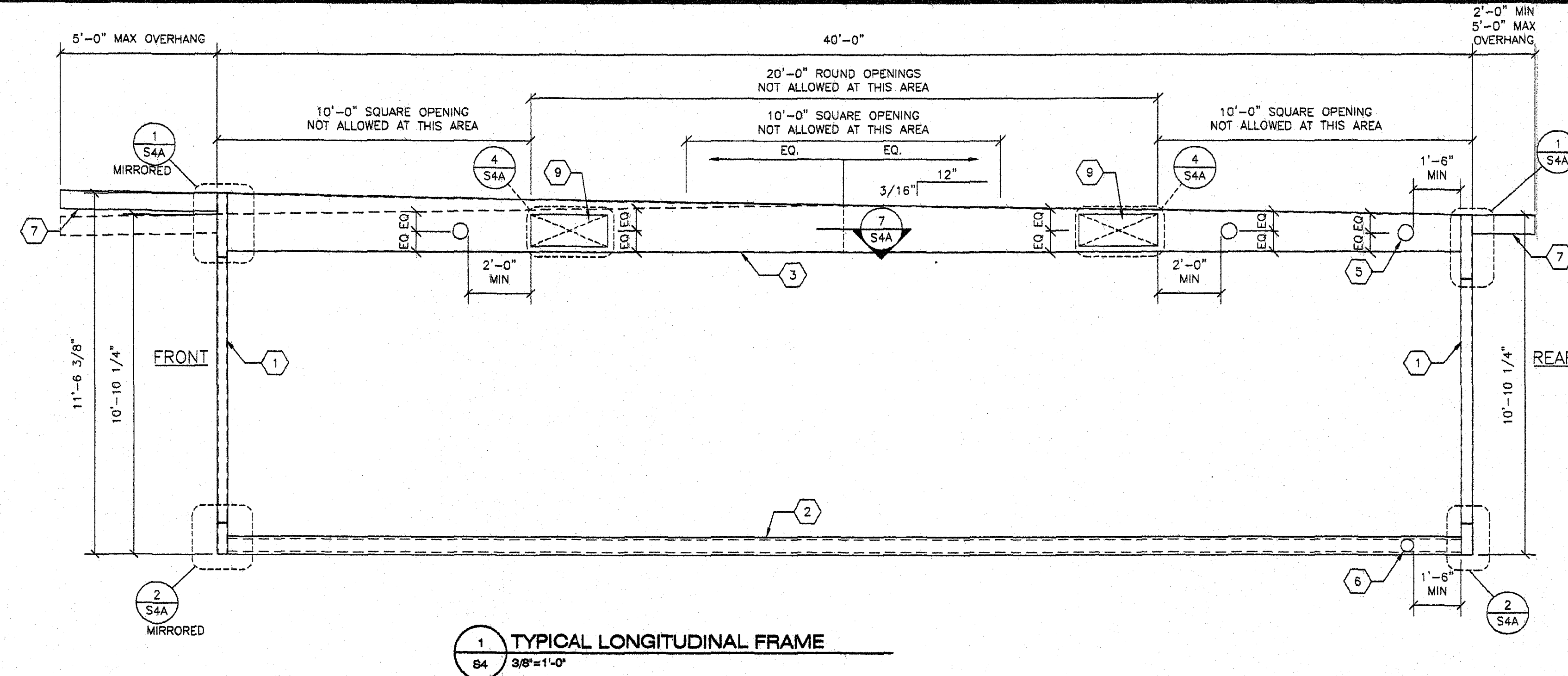
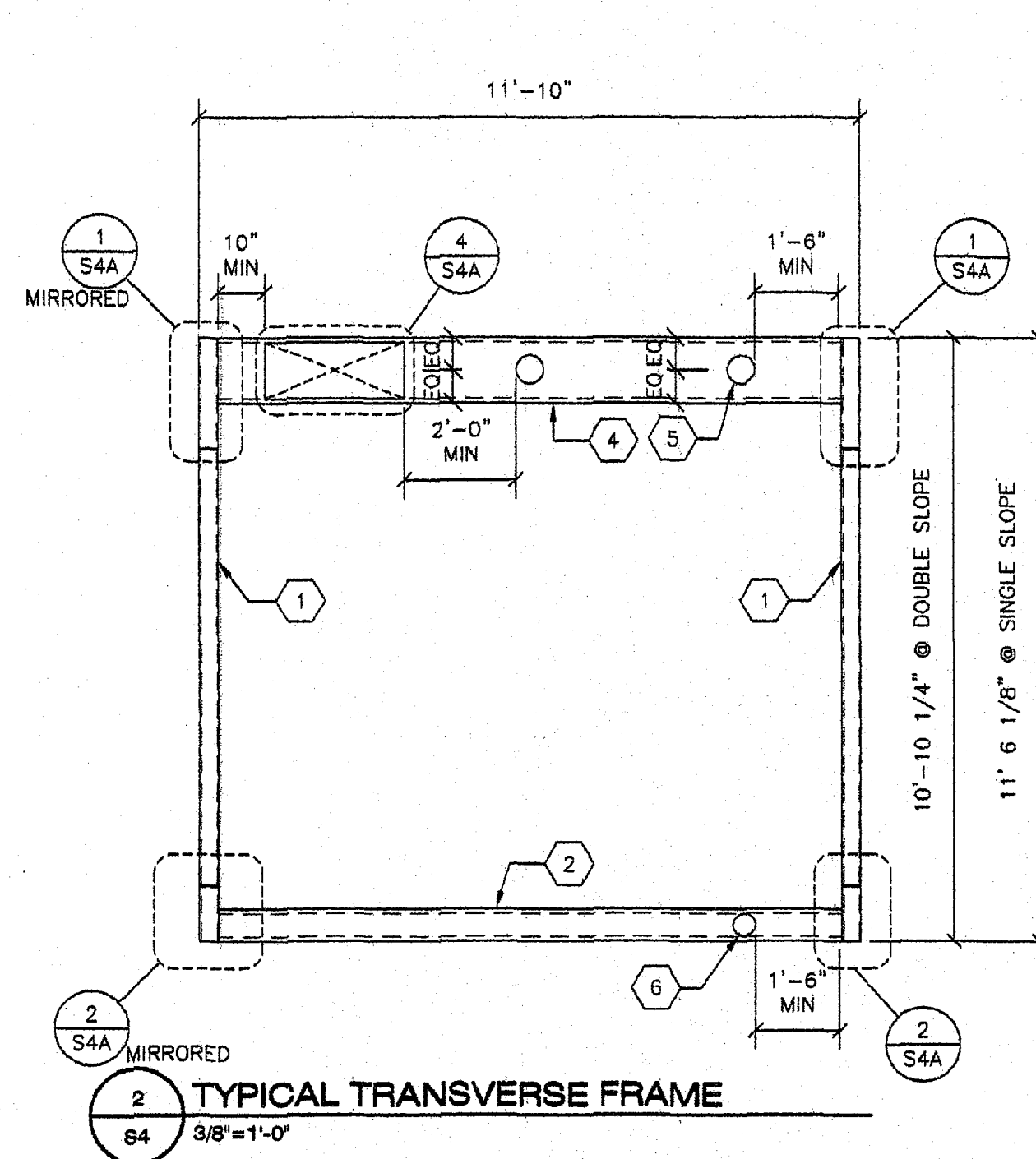


APPROVALS:



PROJECT No.

S3A



- KEY NOTES -

- 1 4x4x5/16 HSS COLUMN
- 2 FLOOR BEAM PER SCHEDULE
- 3 10 GA. LONGITUDINAL ROOF CHANNEL
14"-18"-14" @ DOUBLE SLOPE TYPE
14"-22" @ SINGLE SLOPE TYPE
- 4 12 GA. TRANSVERSE ROOF CHANNEL
14" MIN 22" MAX
- 5 6" Ø MAX OPENING IN WEB OF ROOF BEAM
WITHOUT WEB REINFORCEMENT
MINIMUM SPACING OF HOLES @ 48" O.C.
HOLES MAY OCCUR @ ANY LOCATION ALONG
LENGTH OF ROOF BEAM EXCEPT AS NOTED
OTHERWISE ON FRAMING ELEVATION
NOTE: IF HOLE IS 3" OR LESS THEY MAY BE
SPACED AT 24" O.C. MINIMUM
- 6 4" Ø MAX OPENING IN WEB OF FLOOR BEAM
WITHOUT WEB REINFORCEMENT
MINIMUM SPACING OF HOLES @ 48" O.C.
HOLES MAY OCCUR @ ANY LOCATION ALONG
LENGTH OF FLOOR BEAM WITH DIRECT
FOUNDATION SUPPORT BELOW. OPENINGS
ARE NOT ALLOWED WHERE BEAMS ARE
SPANNING BETWEEN FOUNDATIONS OR ACROSS
VENT OPENINGS.
NOTE: IF HOLE IS 2" OR LESS THEY MAY BE
SPACED AT 24" MINIMUM
- 7 14 GA OUTRIGGER CHANNEL AT OPTIONAL
ENCLOSED OVERHANG
REFER TO DETAIL 1/S4A
- 8 2x6 H.F. #2 OR BETTER STUDS @ 16" O.C.
- 9 12"x 30" MAX OPENING ALLOWED ONLY
AT EXTERIOR BEAMS WITH A WALL DIRECTLY
BELOW. IF WALL BELOW IT IS REMOVED THEN
A COLUMN MUST BE ADDED AT MID SPAN.
REFER TO DETAIL 4/S4A FOR OPENING
REINFORCEMENT

- FLOOR BEAM SCHEDULE -

SUBFLOOR TYPE	FLOOR BEAM SIZE	ALTERNATES
VIROC OR PLYWOOD	C7x9.8	C9x13.4, C10x15.3
CONCRETE	C9x13.4	C10x15.3

REVISIONS		
NO.	DATE	DESCRIPTION
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DATE: 01/24/08
SCALE: NOTED
DRAWN BY: D.M.
SERIAL NO.:

CUSTOMER:
24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
TYPICAL FRAME ELEVATIONS



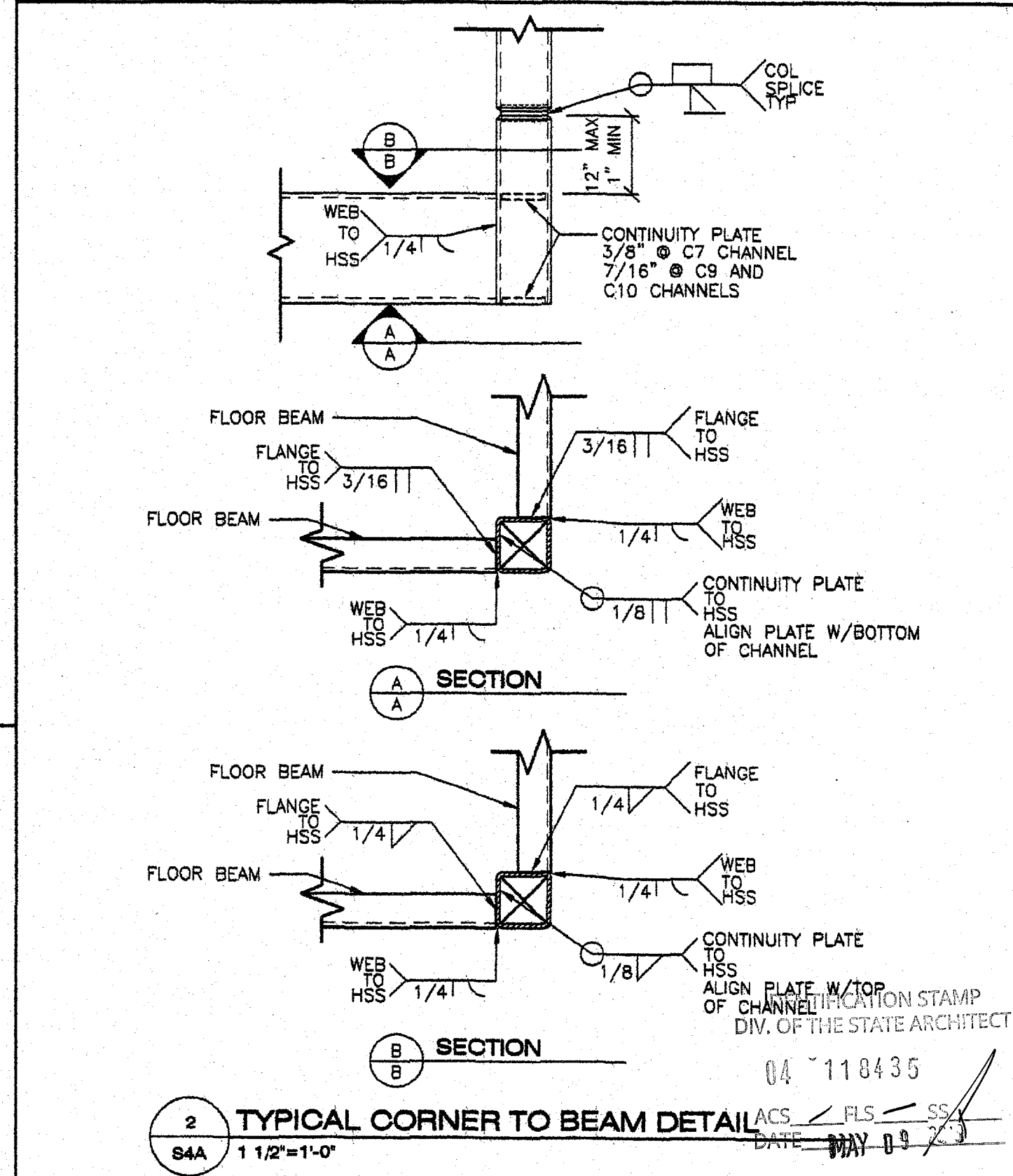
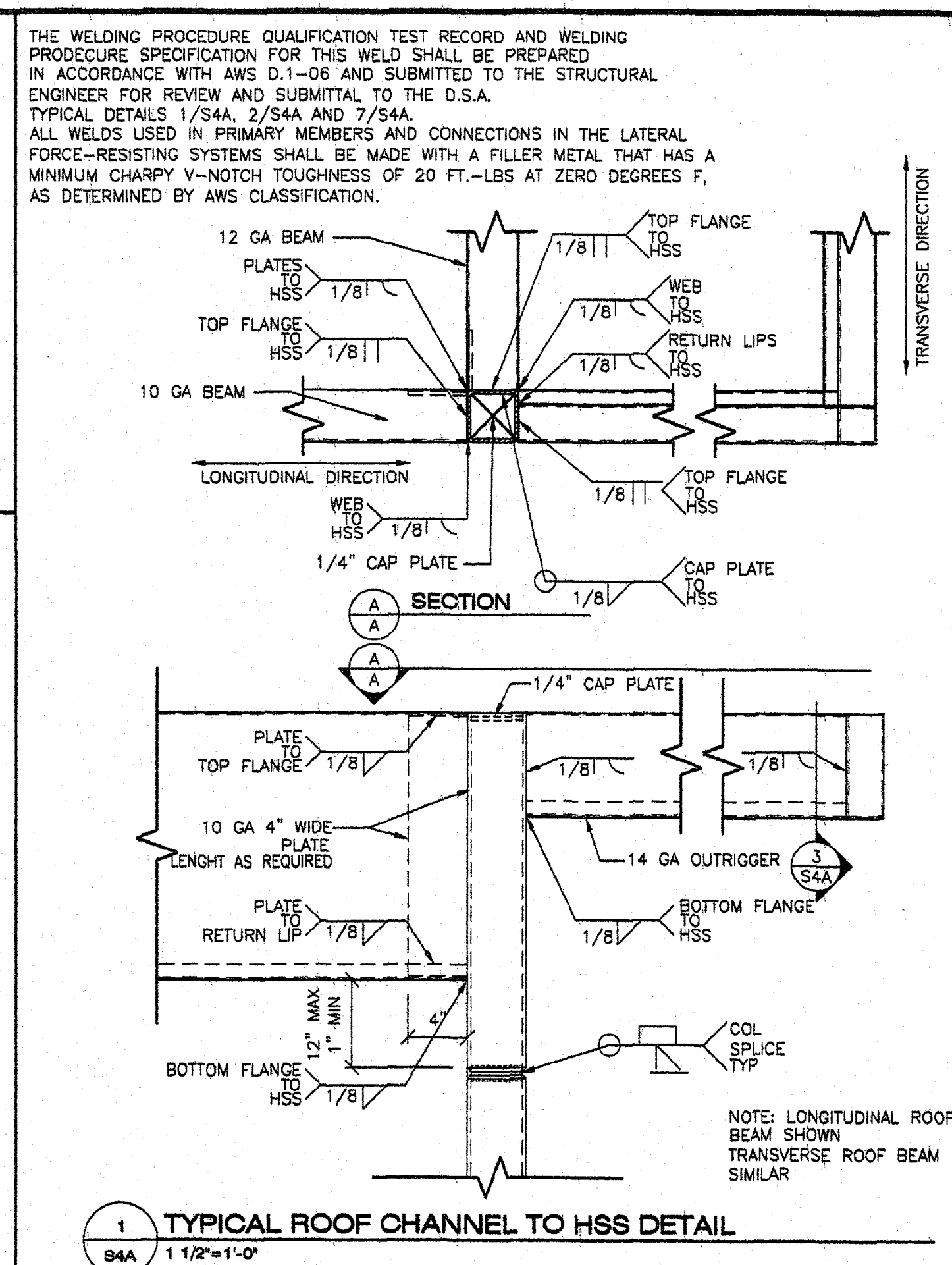
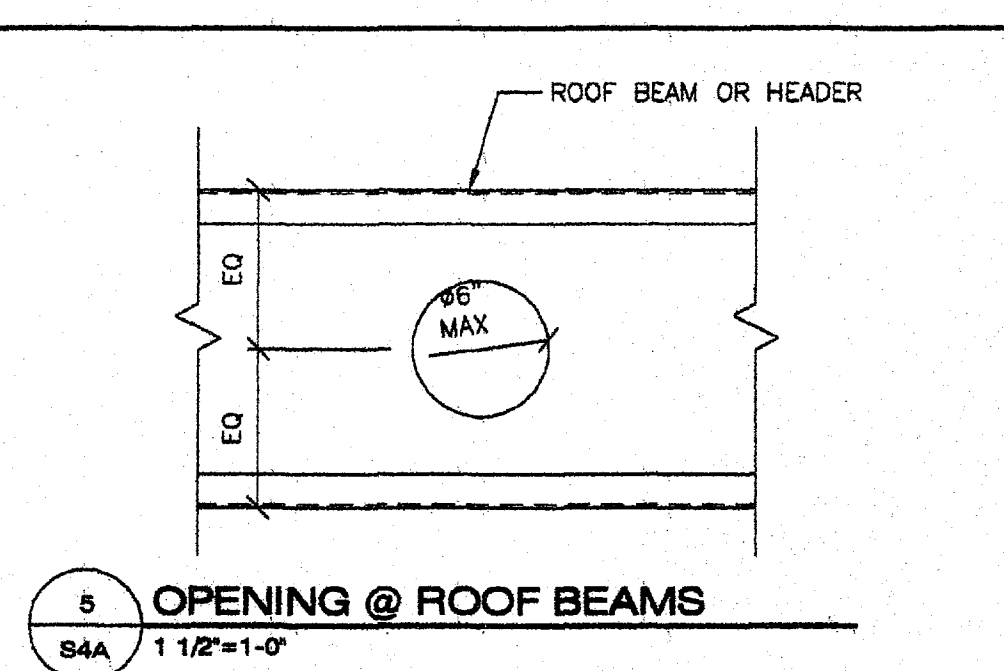
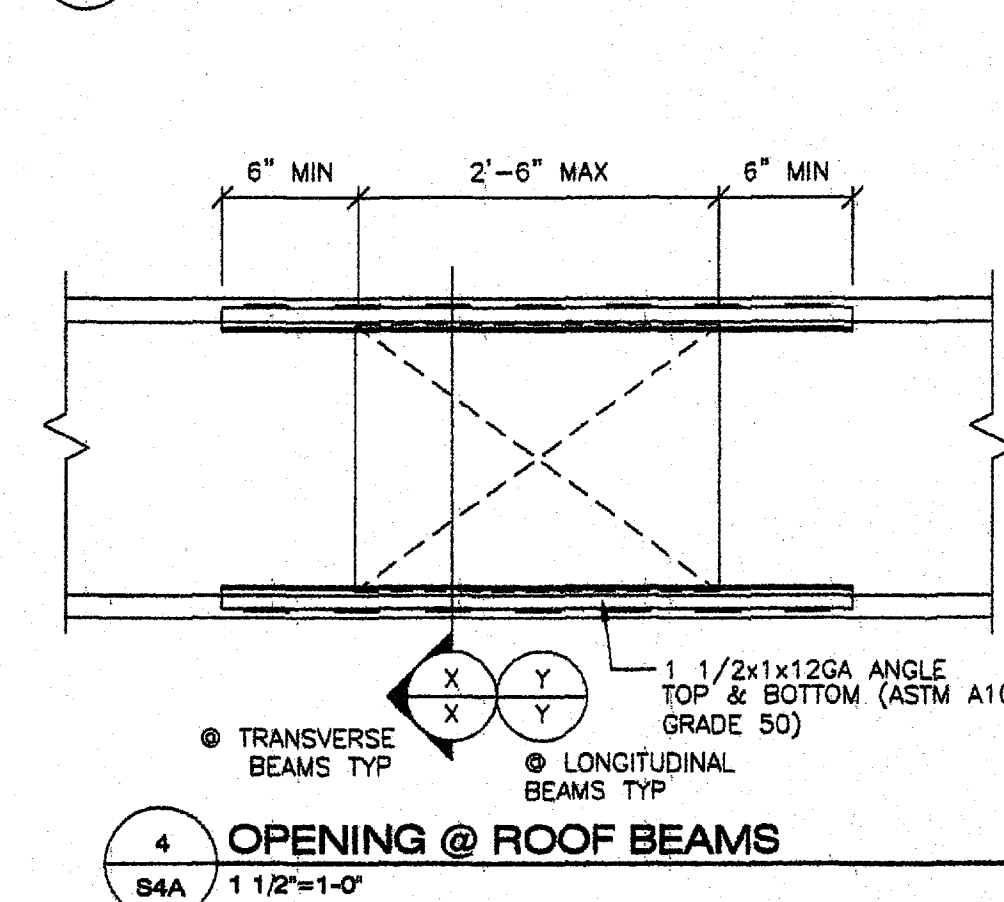
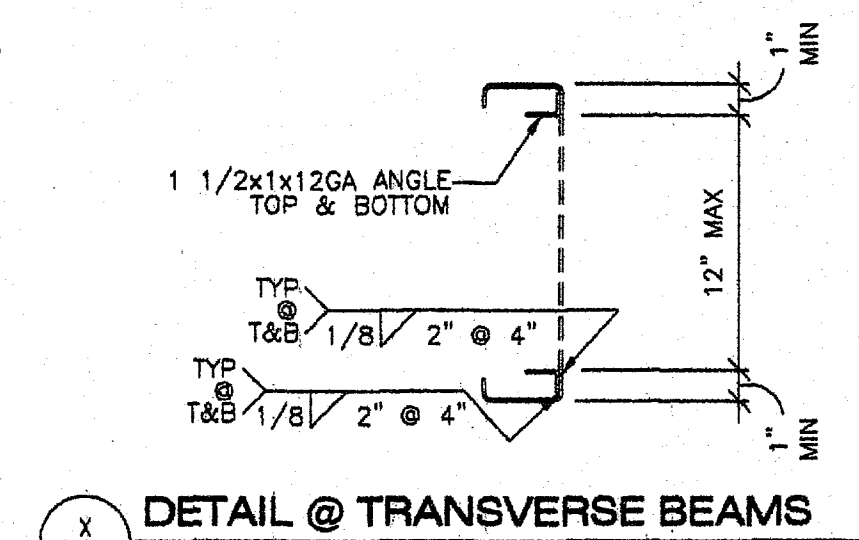
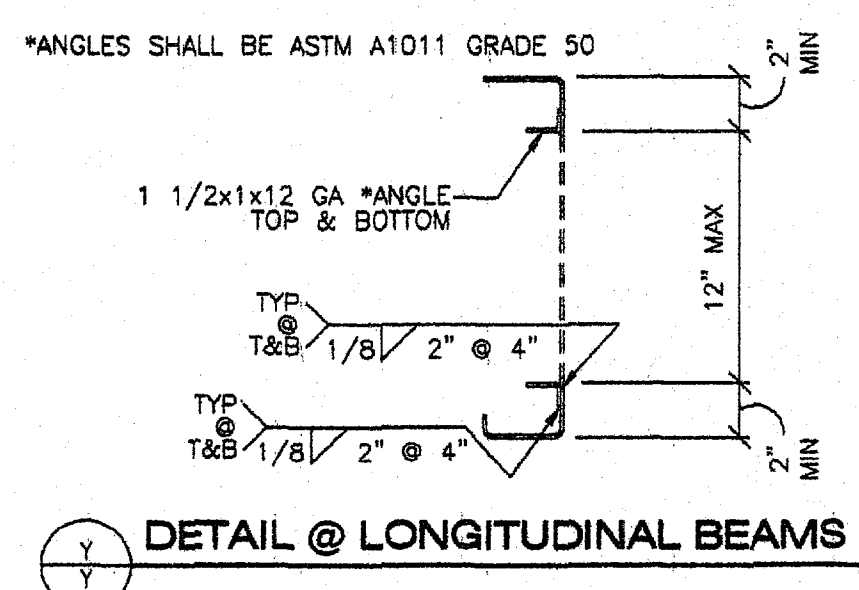
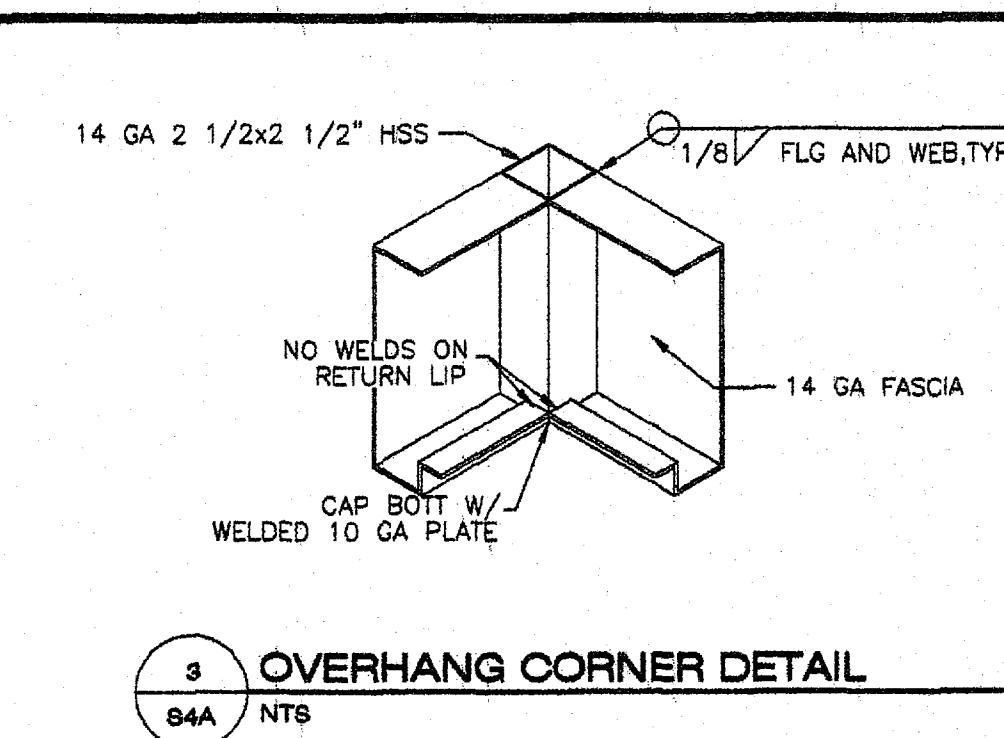
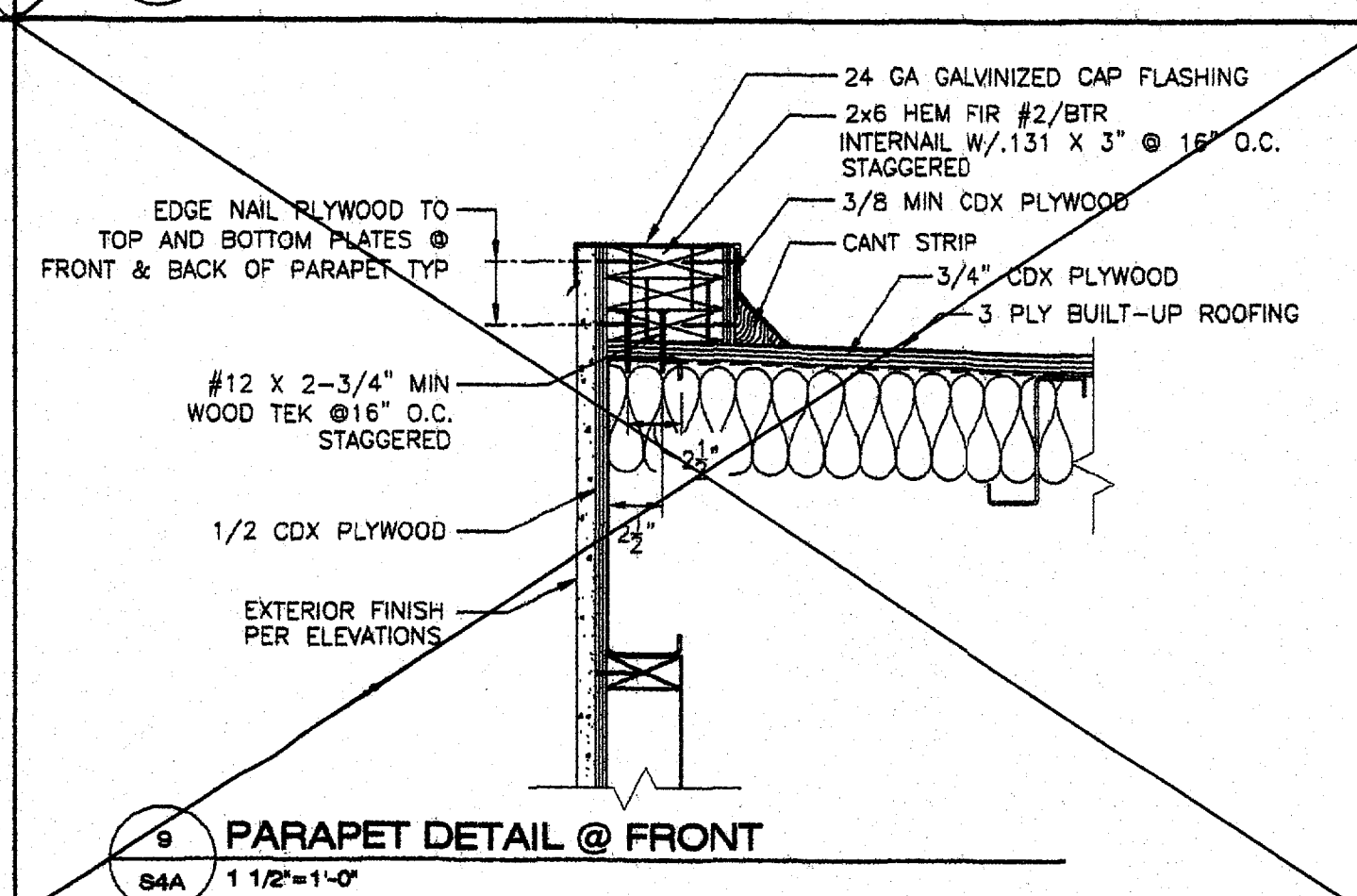
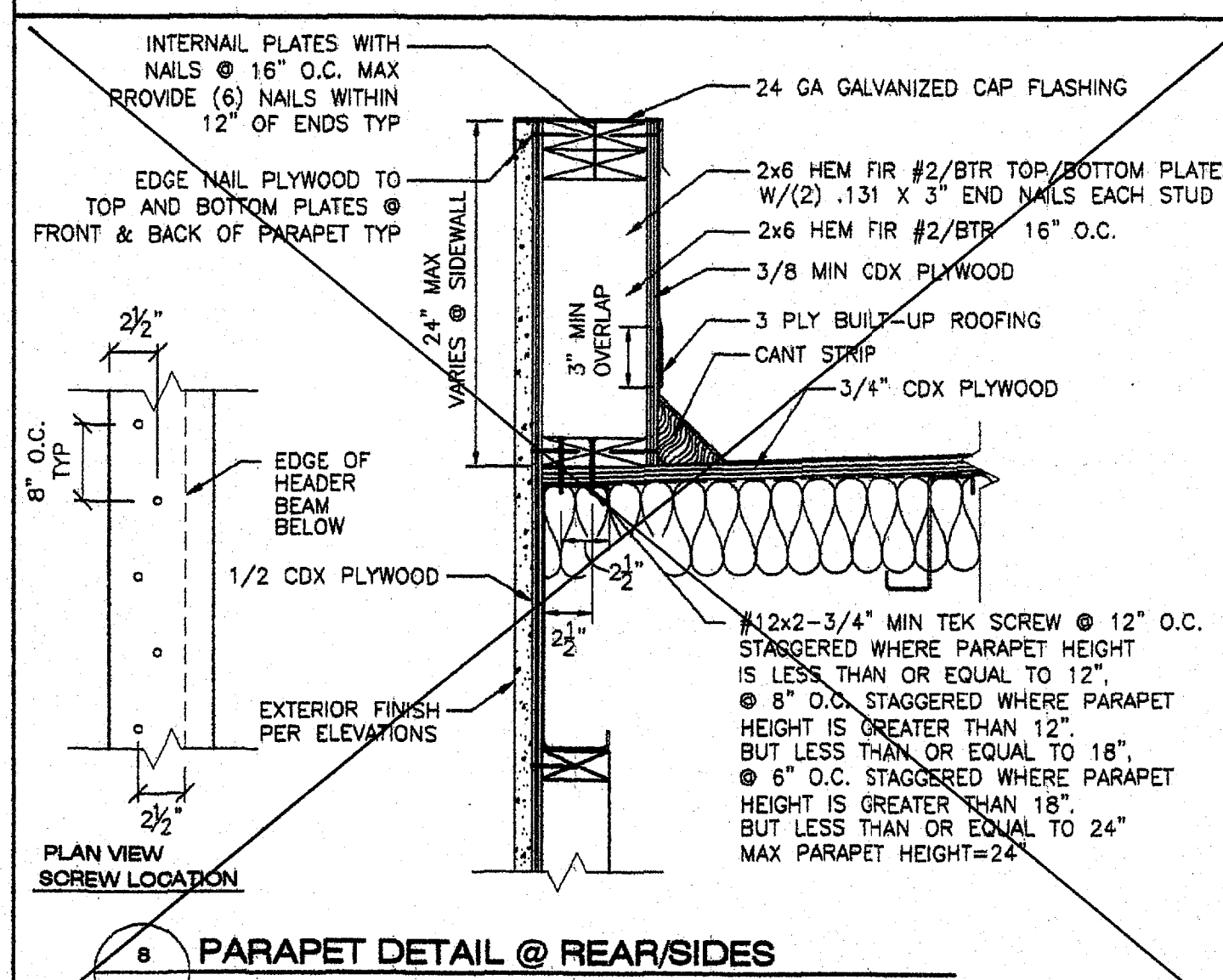
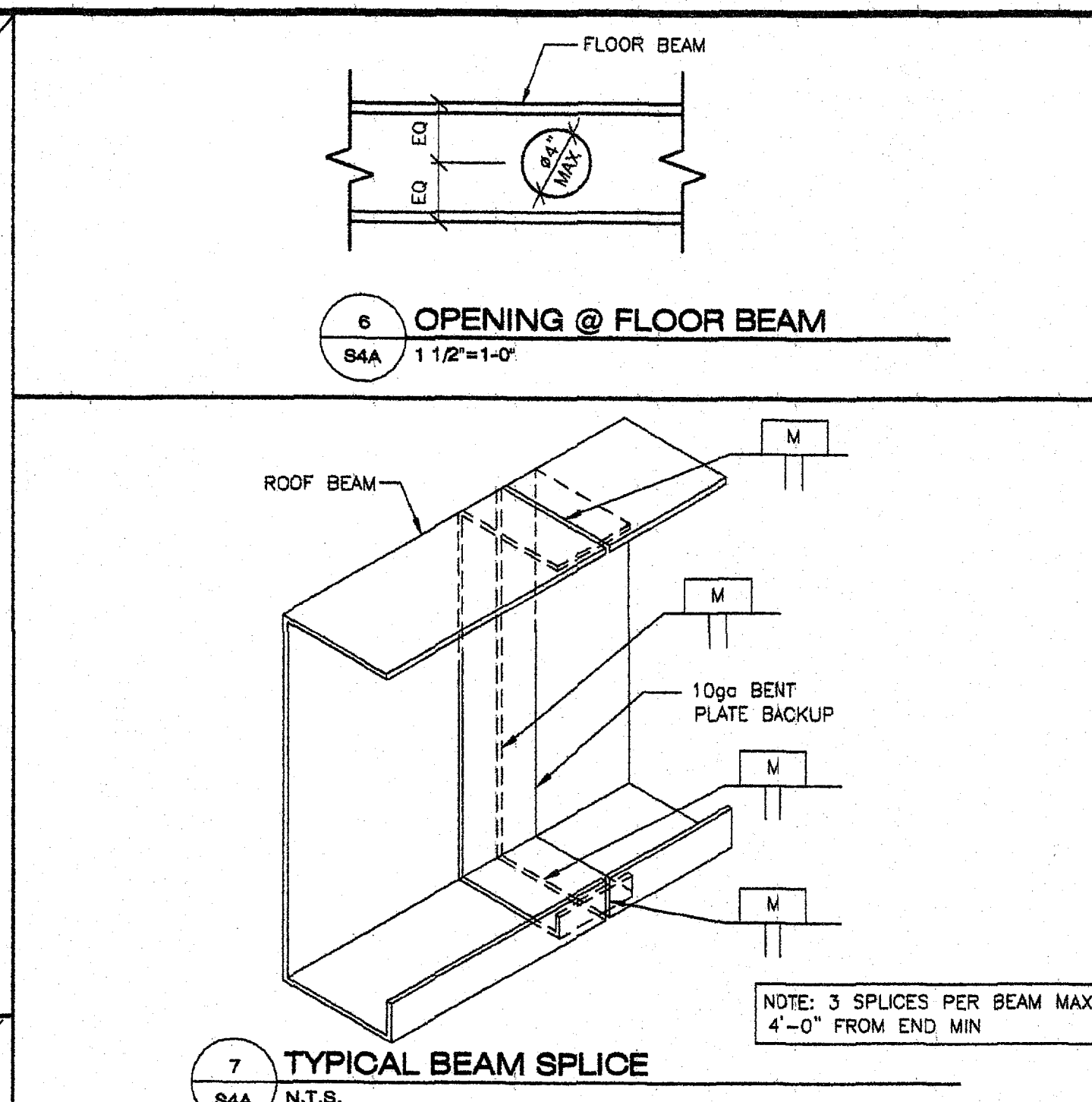
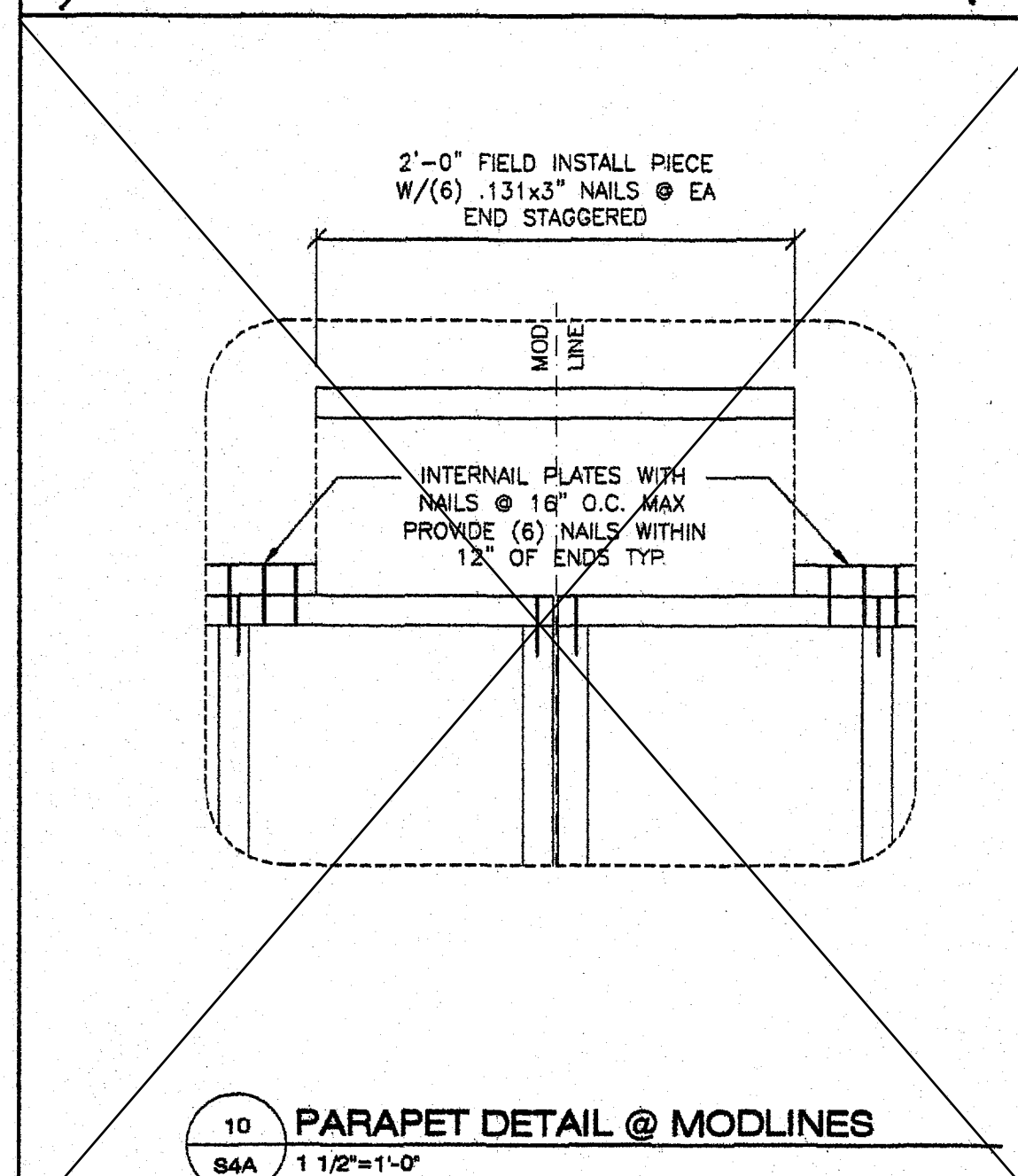
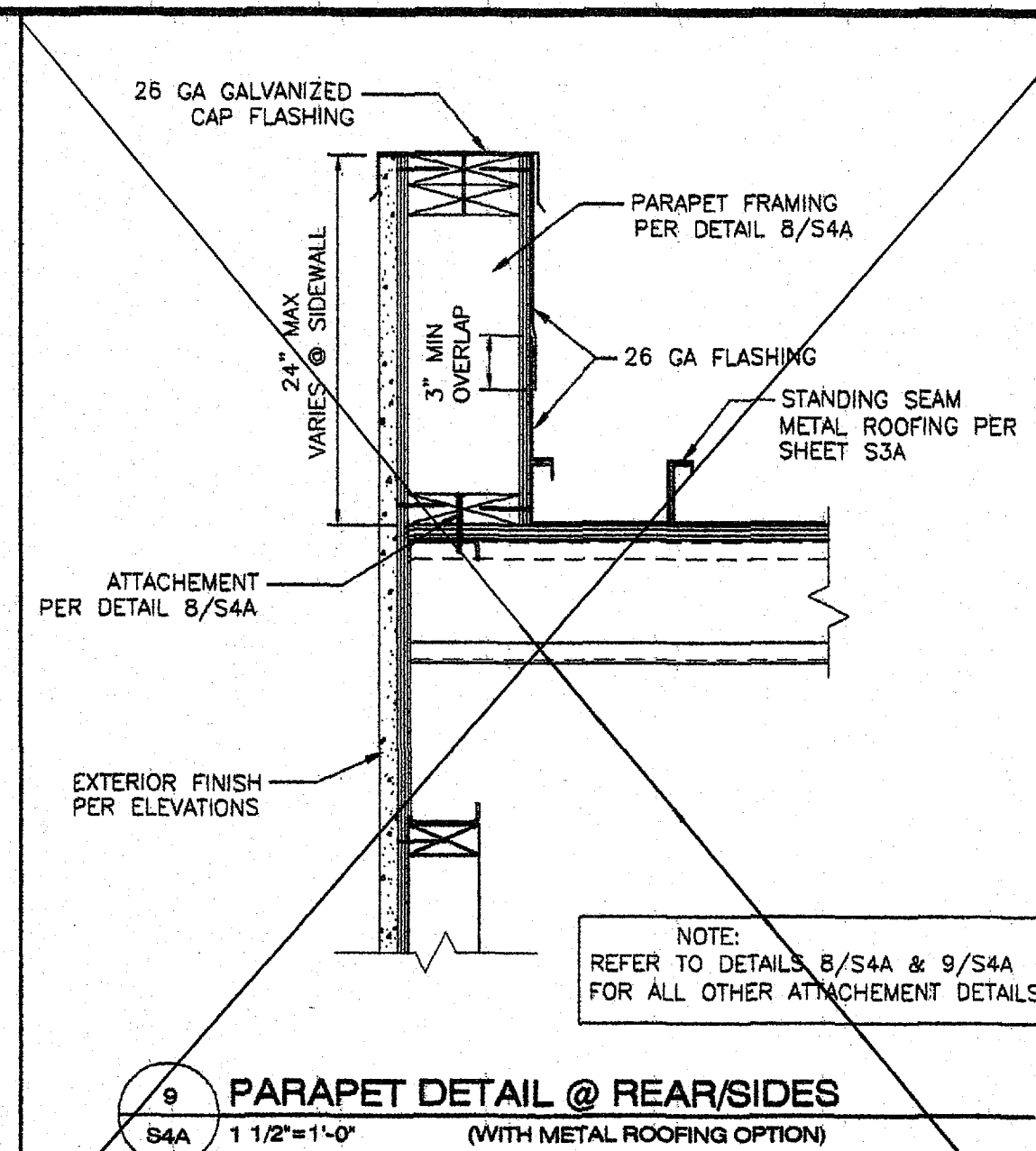
APPROVALS:
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OF RECORD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 11 652
AC FLS SS
DATE NOV 16 2010

REGISTERED PROFESSIONAL ENGINEER
No. 7310
Exp. 3/31/11
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS SS
DATE 1/27/09

PROJECT NO.
S4



REVISIONS		
NO	DATE	DESCRIPTION
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DATE: _____

SCALE: NOTED _____

DRAWN BY: MCR _____

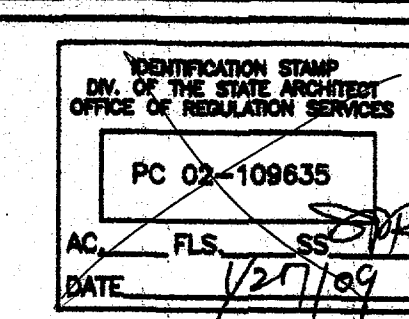
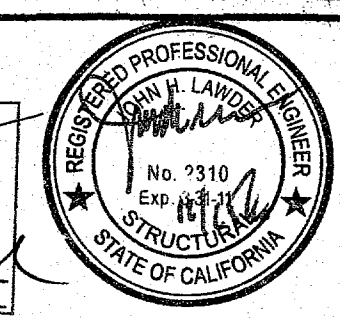
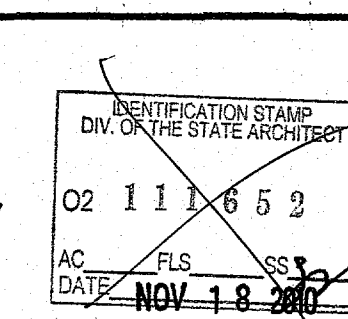
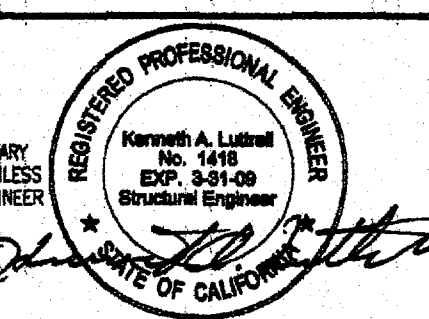
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CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
FRAME CONNECTION DETAILS

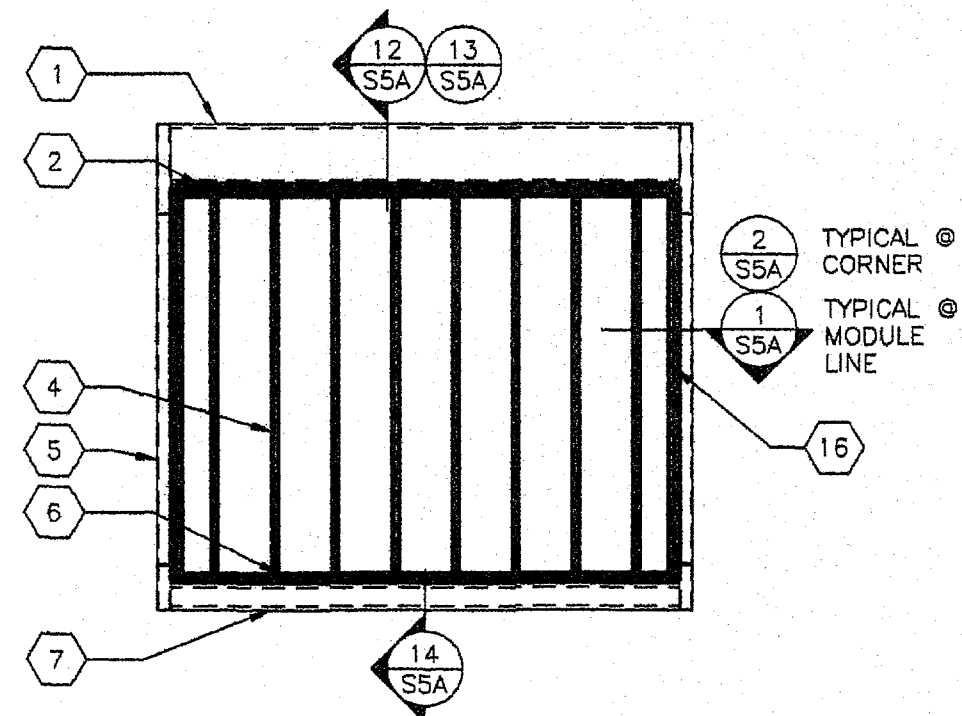


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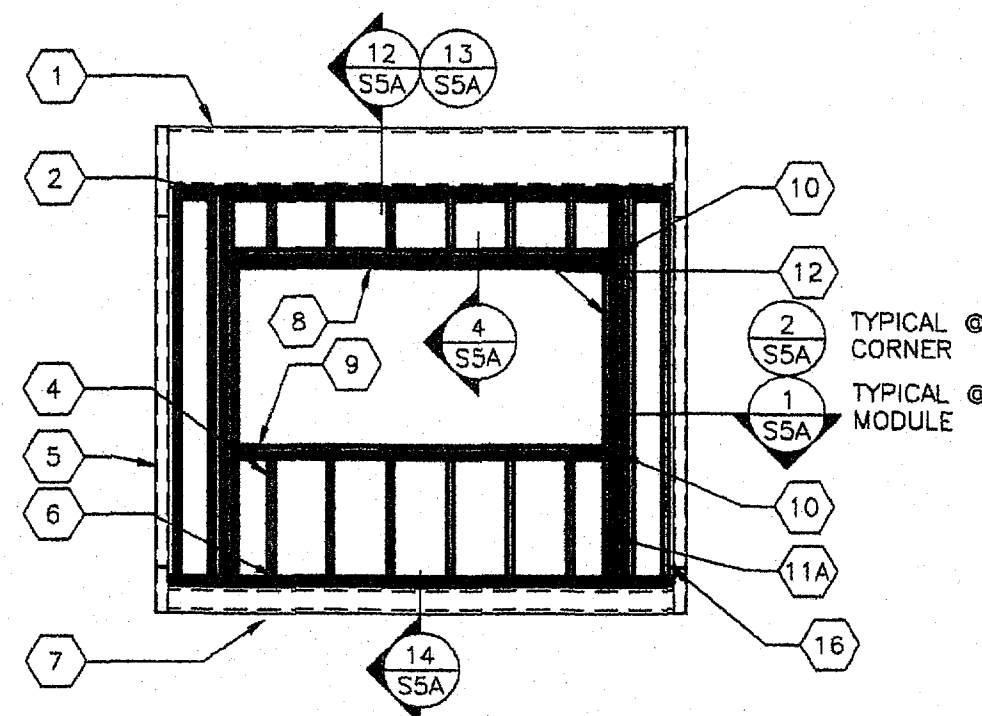


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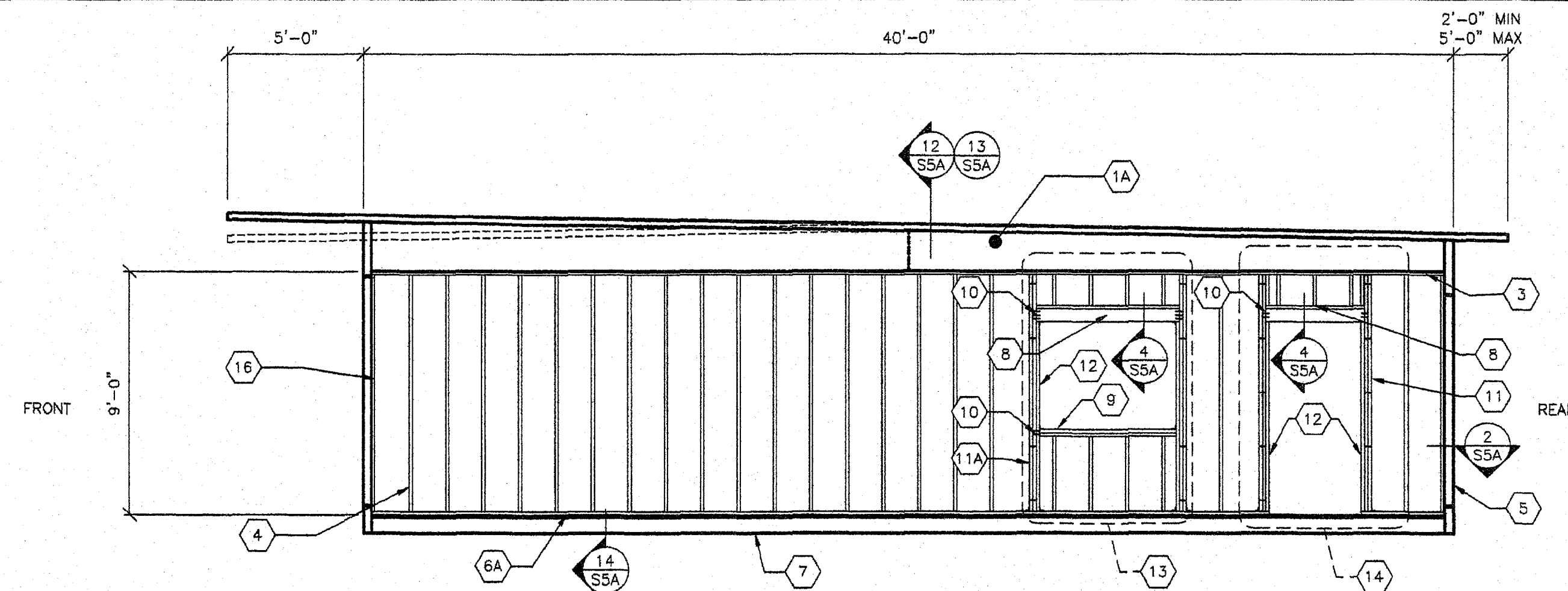
S4A



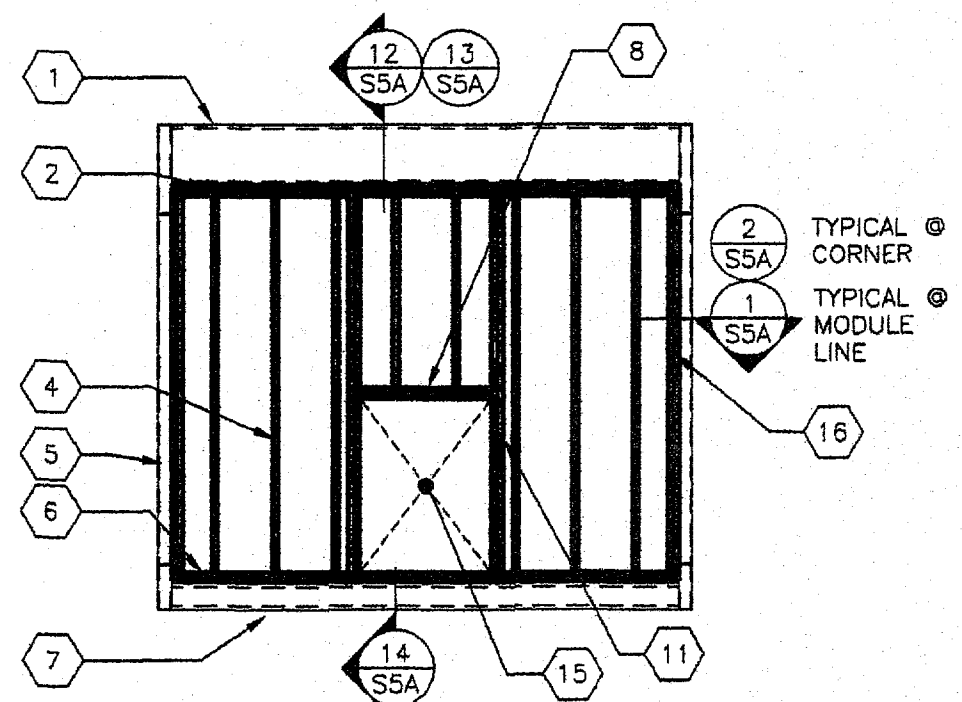
1 TYP END WALL FRAMING W/NO OPENINGS
S5 1/4"=1'-0"



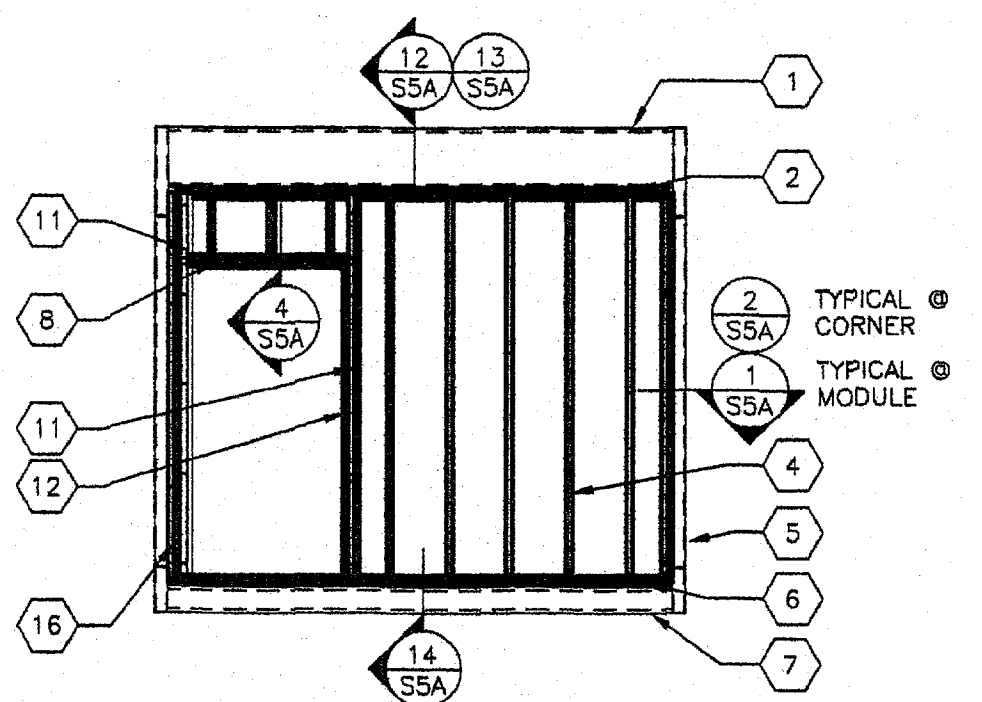
2 TYP END WALL FRAMING W/WINDOW
S5 1/4"=1'-0"



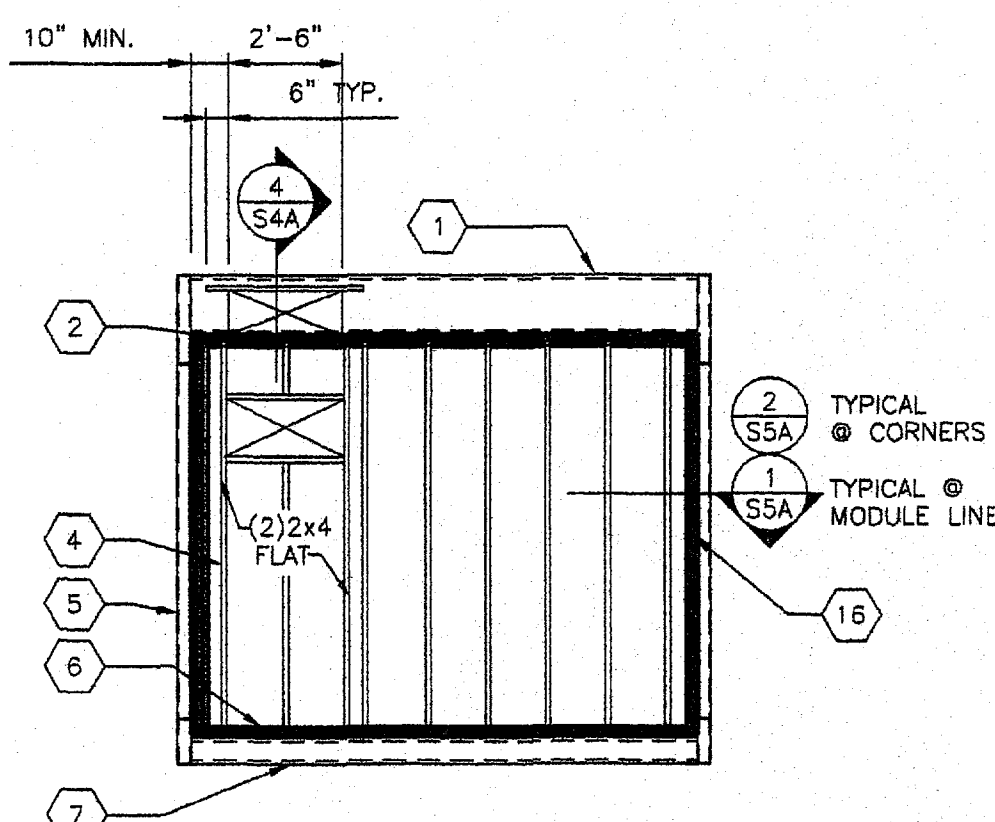
5 TYP SIDE WALL FRAMING
S5 1/4"=1'-0"



2 TYP END WALL FRAMING W/INDOOR HVAC UNIT
S5 1/4"=1'-0" OPTIONAL



4 TYP END WALL FRAMING W/DOOR
S5 1/4"=1'-0"



3 TYP END WALL FRAMING W/WALL HUNG HVAC UNIT
S5 1/4"=1'-0" OPTIONAL

NOTE:
HVAC DUCT OPENING LOCATIONS MAY VARY
ANYWHERE ALONG 12 GA CEE MEMBER.
(EXCEPT AS SHOWN ABOVE)
SEE SHEET 1 FOR OPENING LOCATION

EXTERIOR WALL FINISH/WALL STUD SCHEDULE

FINISH TYPE	FOUNDATION TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS1-95, VERTICAL GROOVES @ 8" OC	WOOD OR CONCRETE	JOINT DETAIL SEE 10/SSA NAILING PER BLDG SECTIONS	HEM FIR #2	@ 16" OC	@ 16" OC
5/8" HARDIBOARD WITH SYNTHETIC STUCCO	WOOD OR CONCRETE	PER SHEETS A5, A5A, A6 & A6A	DOUG FIR #2	@ 16" OC	@ 16" OC
5/8" HARDI-LAP SIDING	WOOD OR CONCRETE	PER SHEETS A5, A5A, A6 & A6A	HEM FIR #2	@ 16" OC	@ 16" OC
5/8" PLYWOOD SHEATHING CONFORMING TO PS1-95, APA RATED, 5 PLY 32/16, EXPOSURE 1 WITH 5/8" STUCCO	CONCRETE ONLY	NAILING PER BLDG SECTIONS	DOUG FIR #2	@ 16" OC	@ 12" OC
			HEM FIR #2	@ 16" OC	@ 16" OC

- ALL NAILS IN EXTERIOR APPLICATIONS TO BE GALVANIZED.
- WALL CORNERS ARE DEFINED AS A DISTANCE OF 8 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH 2160 SQ. FT. OR GREATER AND A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH LESS THAN 2160 SQ. FT.
- TYPICAL PLYWOOD NAILING WHERE OCCURS .131x2 1/4" GALV @ 6" O.C E.N. & 12" O.C F.N. (ALL EDGES BLOCKED)

- KEY NOTES -

- ROOF HEADER
- ROOF BEAM
- 2x4 HEM FIR PLATE NO SPLICE
- 2x4 PLATE
- 2x4 STUDS SPACED PER SCHEDULE TYP. W/ (3) .13x3" NAILS @ EA END
- HSS COLUMN
- 2x4 BOTTOM PLATE NO SPLICES
- 2x4 BOTTOM PLATE
- PERIMETER FLOOR BEAM
- (2) 2x6 W/ 2x4 FLAT HEADER ALT. (3) FLAT 2x4 HEM FIR. PER DETAIL 4/SSA
- (2) 2x4 HEM FIR #2 WINDOW SILL PLATE (3) 2x4 HEM FIR #2 OR (2) 2x4 DOUG FIR #2 @ 8' WIDE WINDOW SILL PLATE WITH STUCCO FINISH ONLY
- (5).131x3" END NAILS THROUGH KING STUD TYP
- (2) 2x4 HEM FIR #2 KING STUDS W/ (2) A34 T&B TO PLATE (INTERNAL W/0.131 NAILS @ 14" OC TYP MAX.)
- (3) 2x4 HEM FIR #2 KING STUDS W/ (2) A34 T&B TO PLATE (INTERNAL W/0.131 NAILS @ 14" OC TYP MAX.)
- 2x4 HEM FIR #2 TRIMMER
- OPTIONAL WINDOW OPENING MAX 8'-0" WIDE (REFER TO 2/SS FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- OPTIONAL DOOR OPENING (REFER TO 4/SS FOR DETAILS AND FLOORPLANS FOR LOCATIONS)
- HVAC OPENINGS @ INDOOR UNIT
- 2x NAILER

REVISIONS		
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DATE: 12-09-07

SCALE: NOTED

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SERIAL NO.:

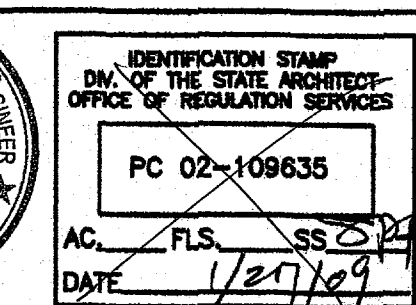
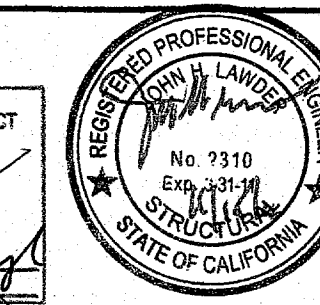
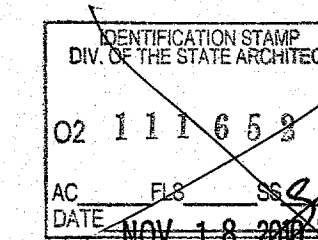
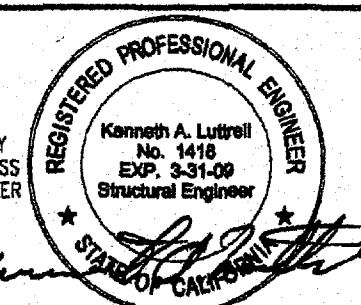
CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
WALL FRAMING ELEVATIONS



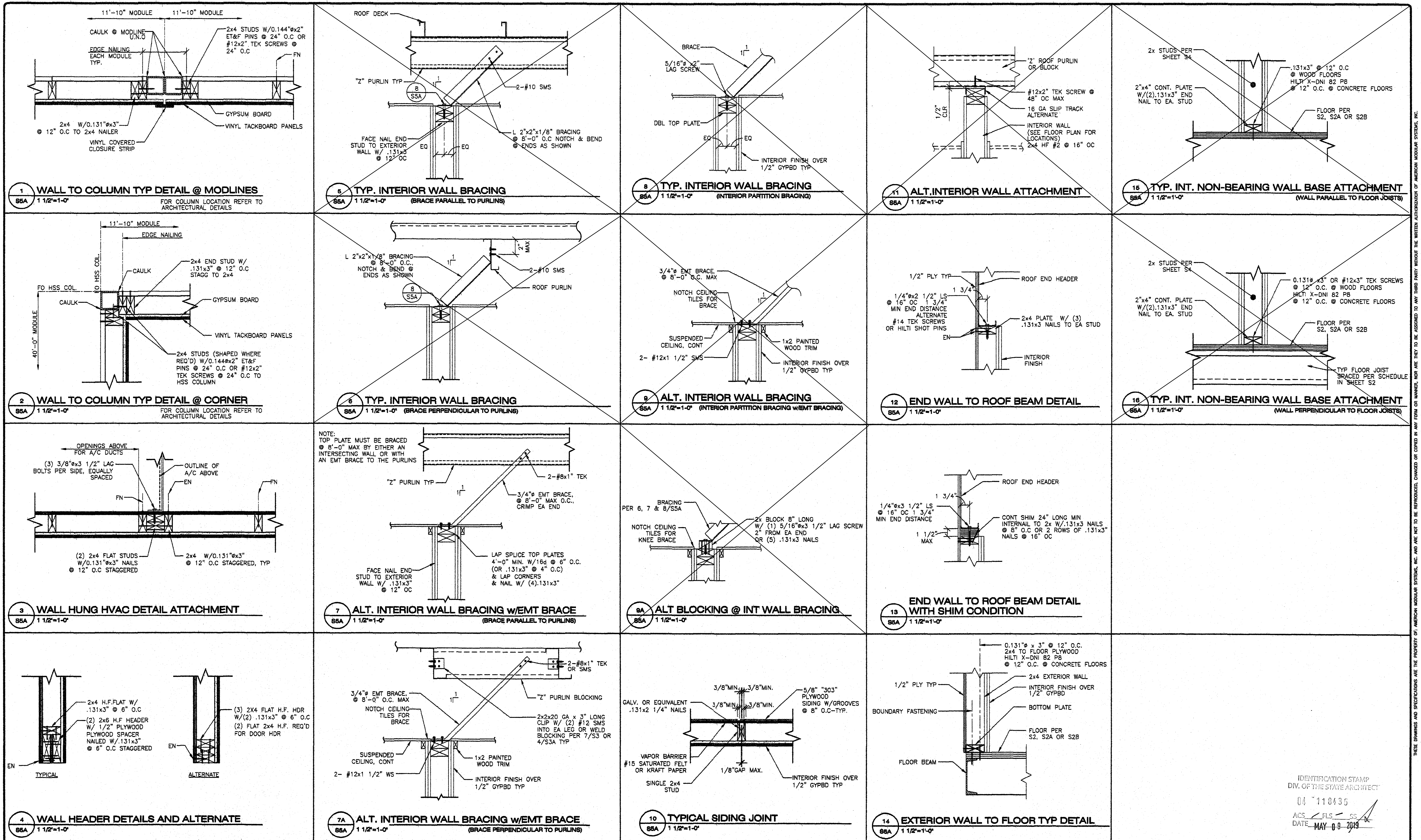
APPROVALS:

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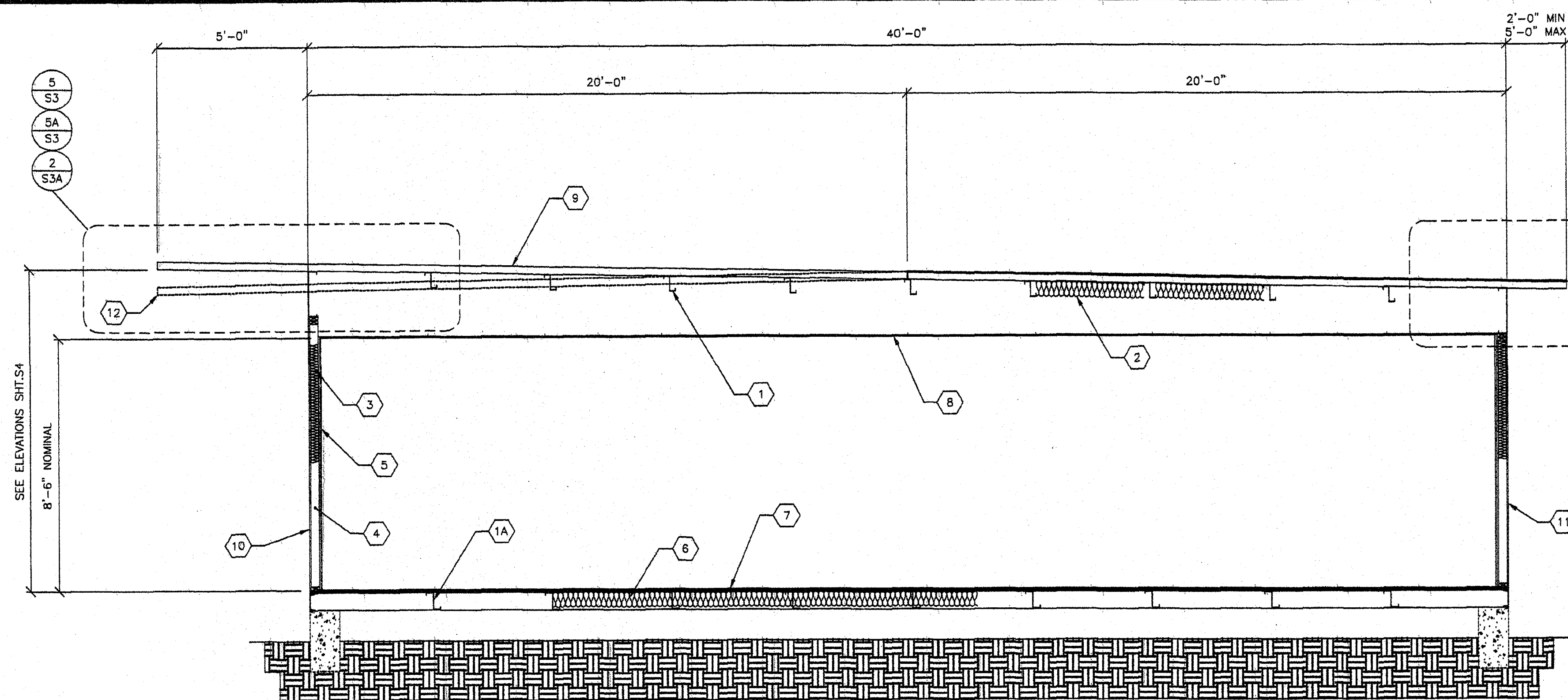


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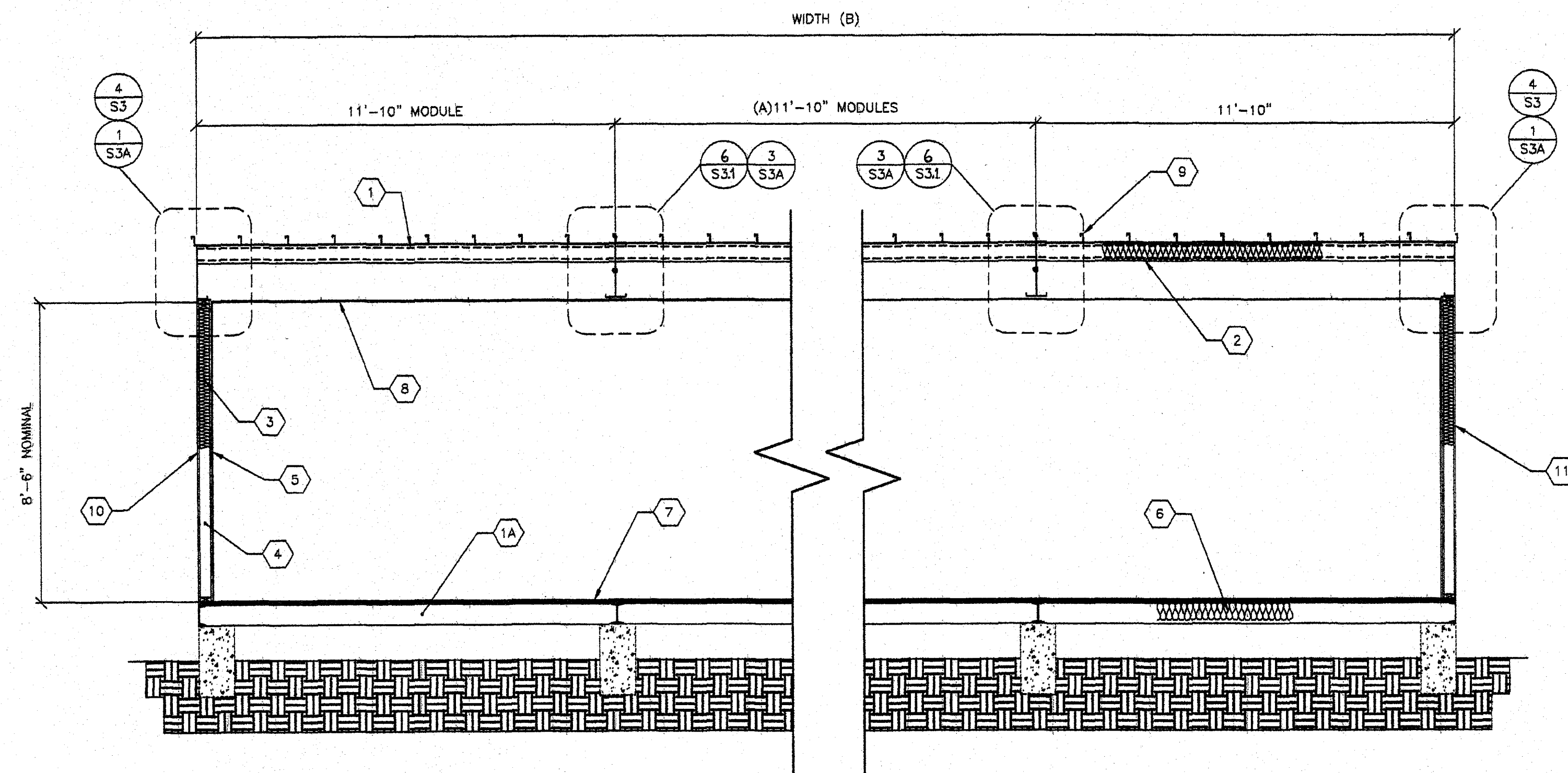
S5



REVISIONS			DATE: 02/27/08	CUSTOMER:	APPROVALS:		IDENTIFICATION STAMP		PROJECT No.
NO	DATE	DESCRIPTION	SCALE: NOTED				DIV. OF THE STATE ARCHITECT		
1			DRAWN BY: DM	24' x 40' THRU 144' x 40' (ES) RELOCATABLE BUILDINGS WALL FRAMING DETAILS	American Modular Systems Inc. 787 Sprinkles Ave. Marietta, GA 30066 (209)825-1921 Fax (209)825-7018 americanmodular.com		02 111 859 AC FLS SS DATE NOV 18 2009		PC 02-109835 AC FLS SS DATE 12/10/09
2			SERIAL NO.:				IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 04 110436 ACS FLS SS DATE MAY 09 2019		



A TYP. LONGITUDINAL SECTION
S7 3/8"=1'-0" (MONO/DUAL PITCH)



B TYP. TRANSVERSE SECTION
S7 3/8"=1'-0" (MONO/DUAL PITCH)

- KEY NOTES -

- 1 "Z" PURLINS @ 48" O.C
- 1A STEEL "Z" FLOOR JOISTS
- 2 R-19 INSULATION w/22 GA WIRE @ 16" O.C
- 3 INSULATION w/KRAFT PAPER
- 4 2x STUDS PER ELEV, S5
- 5 VINYL FABRIC OVER TACKABLE BACKING PANELS
- 6 INSULATION w/KRAFT PAPER AND CHICKEN WIRE
- 7 1 1/2" PLYWOOD FLOOR SHEATHING FOR ALT SEE SHEET S2, S2A, S2B
- 8 SUSPENDED T-BAR CEILING
- 9 METAL ROOF PANELS SEE ROOF FRAMING PLAN
- 10 TYPICAL PLYWOOD NAILING .131x2 1/2" GALV @ 6" O.C PANEL EDGES (ALL EDGES BLOCKED). 131x2 1/2" GALV @ 12" O.C FIELD
- 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS
- 12 ALTERNATE DUAL PITCH

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
24' x 40'	2	0	23' 8 1/4"
36' x 40'	3	1	35' 6 1/2"
48' x 40'	4	2	47' 4 3/4"
60' x 40'	5	3	59' 3"
72' x 40'	6	4	71' 1 1/4"
84' x 40'	7	5	82' 11 1/2"
96' x 40'	8	6	94' 9 3/4"
108' x 40'	9	7	106' 8"
120' x 40'	10	8	118' 6 1/4"
132' x 40'	11	9	130' 4 1/2"
144' x 40'	12	10	142' 2 3/4"

REVISIONS		
NO	DATE	DESCRIPTION
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DATE:
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
BUILDING SECTIONS

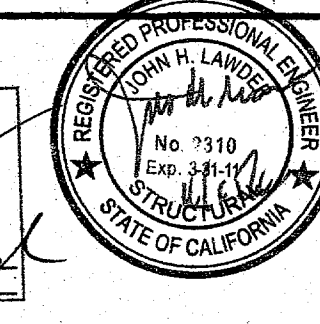


APPROVALS:

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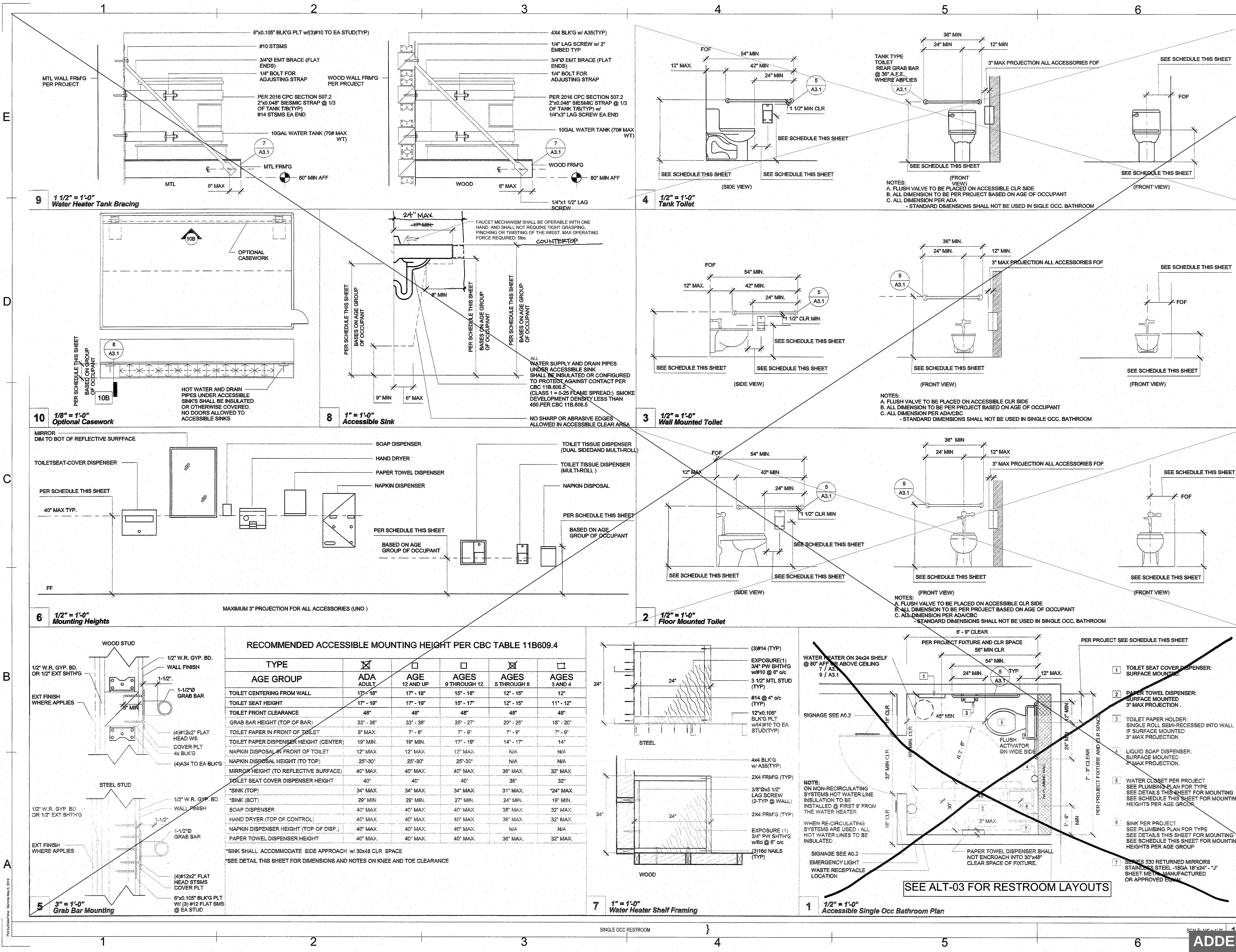
REQUIRED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 4418
EXP. 3-31-08
Structural Engineer

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC DATE NOV 10 2008



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC DATE 1/27/09

PROJECT NO.
S7



REVISIONS	BY
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CLASS
LEASING LLC

1320 W. Oleander Ave. Peris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
01 110435
DATE MAY-09-2019

ENGINEER

AOR
5/9/2019

SHEET TITLE:
ALTERATION TO STOCKPILE
DATE:
DRAWN BY: 05-06-2019
SCALE: Bernie P.
JOB: AS SHOWN

ALT-02

ADDENDUM

E

D

C

B

A

Plot Date/Time: Bernnie May 6, 2019

Door Schedule

Mark	Type	Width	Height	Door Material	Frame Type	Wall Thickness	Hardware
1	D1	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW1
2	D	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW2

D1D

1. ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)

2. CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOOKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOOKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.

3. PER CBC 1008.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.

4. PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.

5. PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS OR LESS.

6. THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.

7. DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

8. (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.

9. PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1013.4. SEE DETAILS PER A0.2

10. ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE W/O ANY USE OF SPECIAL TOOLS, KNOWLEDGE OR EFFORT.

HARDWARE SCHEDULE

DOOR w/ PANIC HARDWARE:

EXIT DEVICE
BUTTS
CLOSER
WEATHER STOP
THRESHOLD
DOOR BOTTC

VON DUPRIN 99L-2 w/ SCHLAGE RIM (cylindrical)
HAGER BB1191 4 1/2" x 4 1/2" NRP
NORTON 8501 BFDA
HAGER 891SAV 3684
HAGER 413SA 36
HAGER 783SAV 35N

EXTERIOR DOOR HW-1

Finish Alum or equal
Finish 26D or equal
Finish 889 or equal
Finish Alum or equal
Finish Alum or equal

DEMISING:

LOCKSET
BUTTS

SCHLAGE ND75PDRHO626 (cylindrical)
HAGER BB1191 4 1/2" x 4 1/2" NRP

EXTERIOR DOOR HW-2

Finish 26D or equal
Finish 26D or equal

NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE

OPERABLE CENTRAL DEVICE

FIN. FLOOR

48" MAX

EXT WDW ELEV

SCALE N.T.S.

B

REF.: DSA # 02-111652 }

INTERIOR FINISH
CEILING LINE
SINK
BACKSPLASH
FIN. FLOOR LINE
MIN. TO BOTTOM
30" MIN.
34" MAX
40" MAX
5'-0"
4'-0"
ACCESSIBLE SINK
SOAP DISPENSER
ELECTRICAL PANEL
ML
RETURN AIR GRILL
THERMOSTAT
WALL BASE
STANDARD 4" BATTEN CLOSE-UP
NOTE: TYPICAL FOR OPPOSITE HAND

ELEVATION

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

A

REVISIONS	BY
1	
2	
3	
4	
5	
6	

CLASS LEASING LLC

1320 W. Oleander Ave. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 110435
ACS PLS SS
DATE MAY 09 2019

ENGINEER

AOR

5/8/2019

SHEET TITLE:
INTERIOR ELEVATIONS

DATE:

DRAWN BY:
05-06-2019

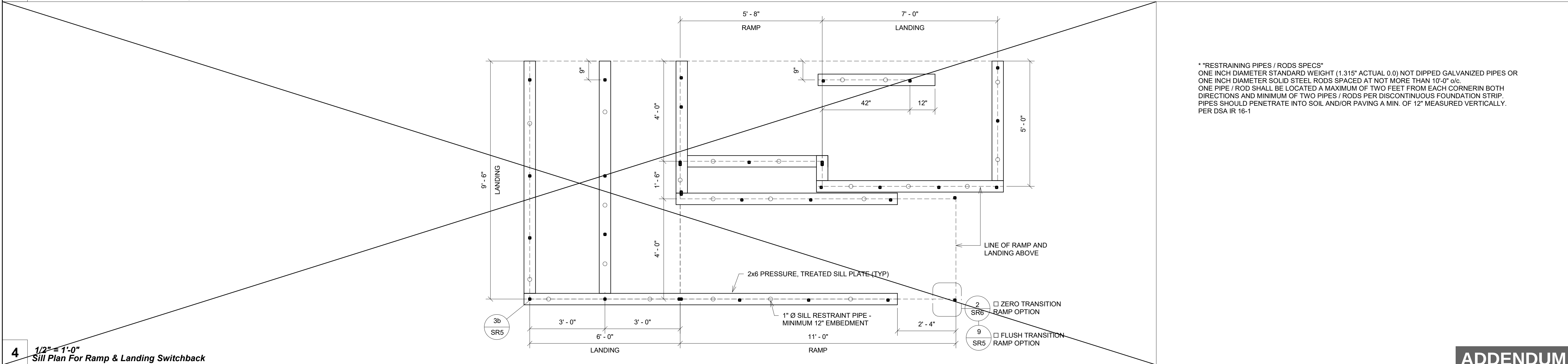
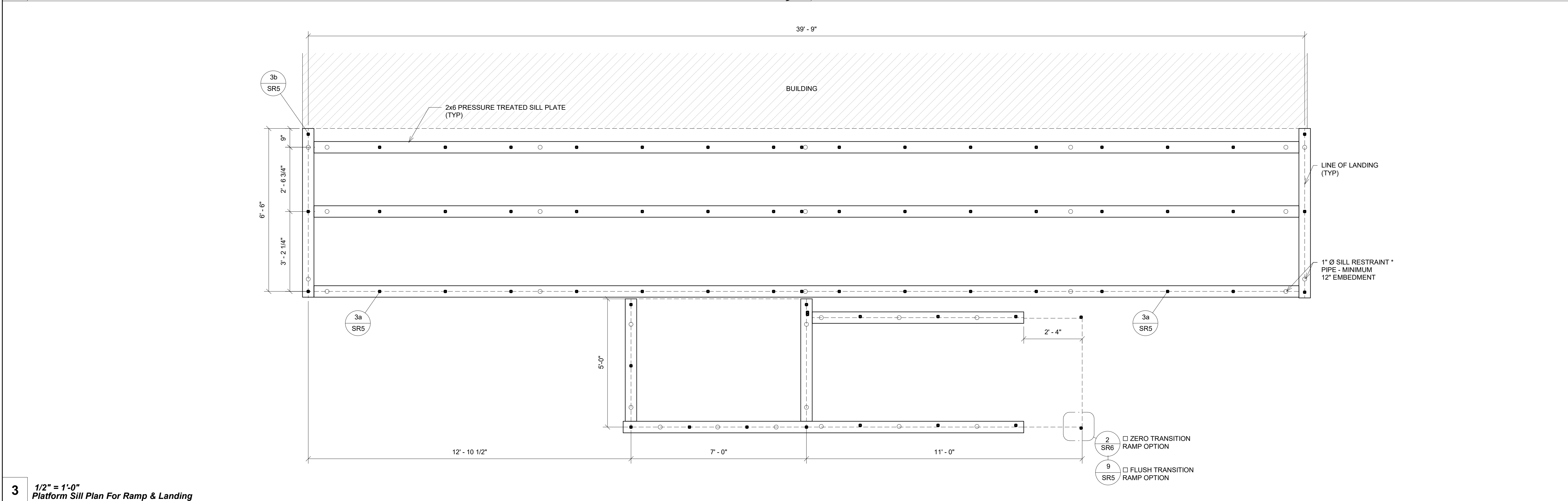
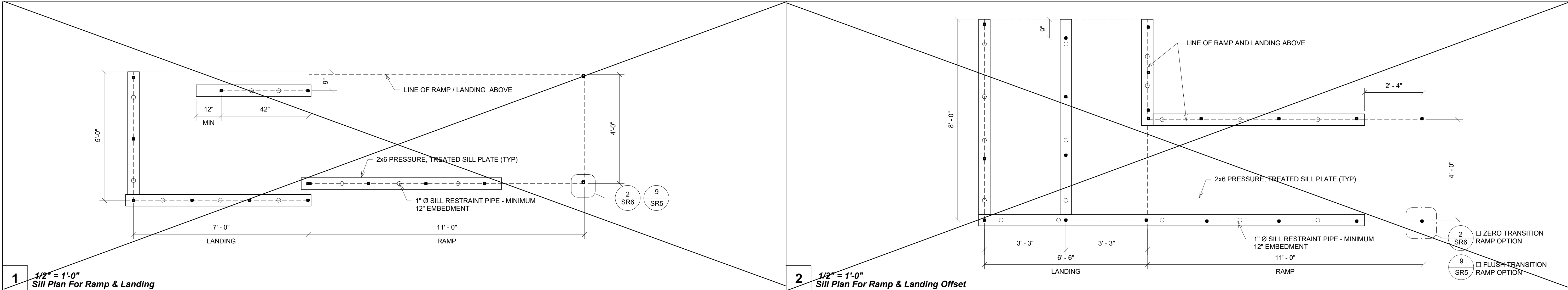
SCALE:
Bernie P.

JOB:
AS SHOWN

ALT-03

ADDENDUM

6/15/2021 7:29:26 PM M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REV\TRSH#20093 - Aries, Ramps and Stairs PC.rvt

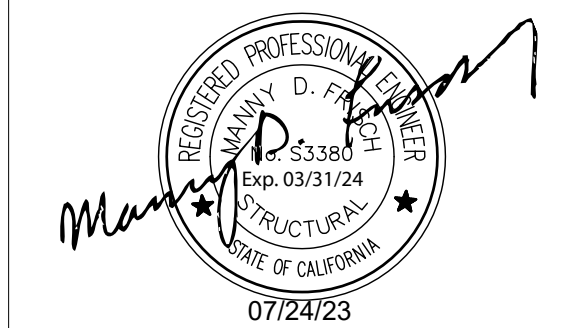


ADDENDUM

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

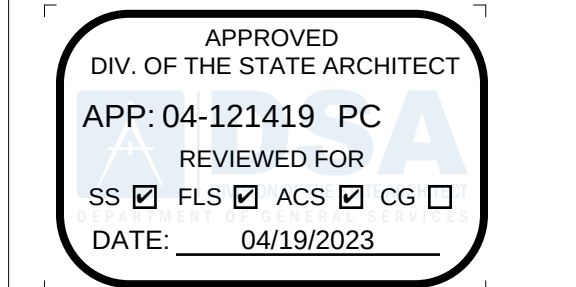


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CLIENT



ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

Description Date 22079

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE

RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE

Foundation Plan

PROJECT NUMBER

22079

DRAWN BY SM

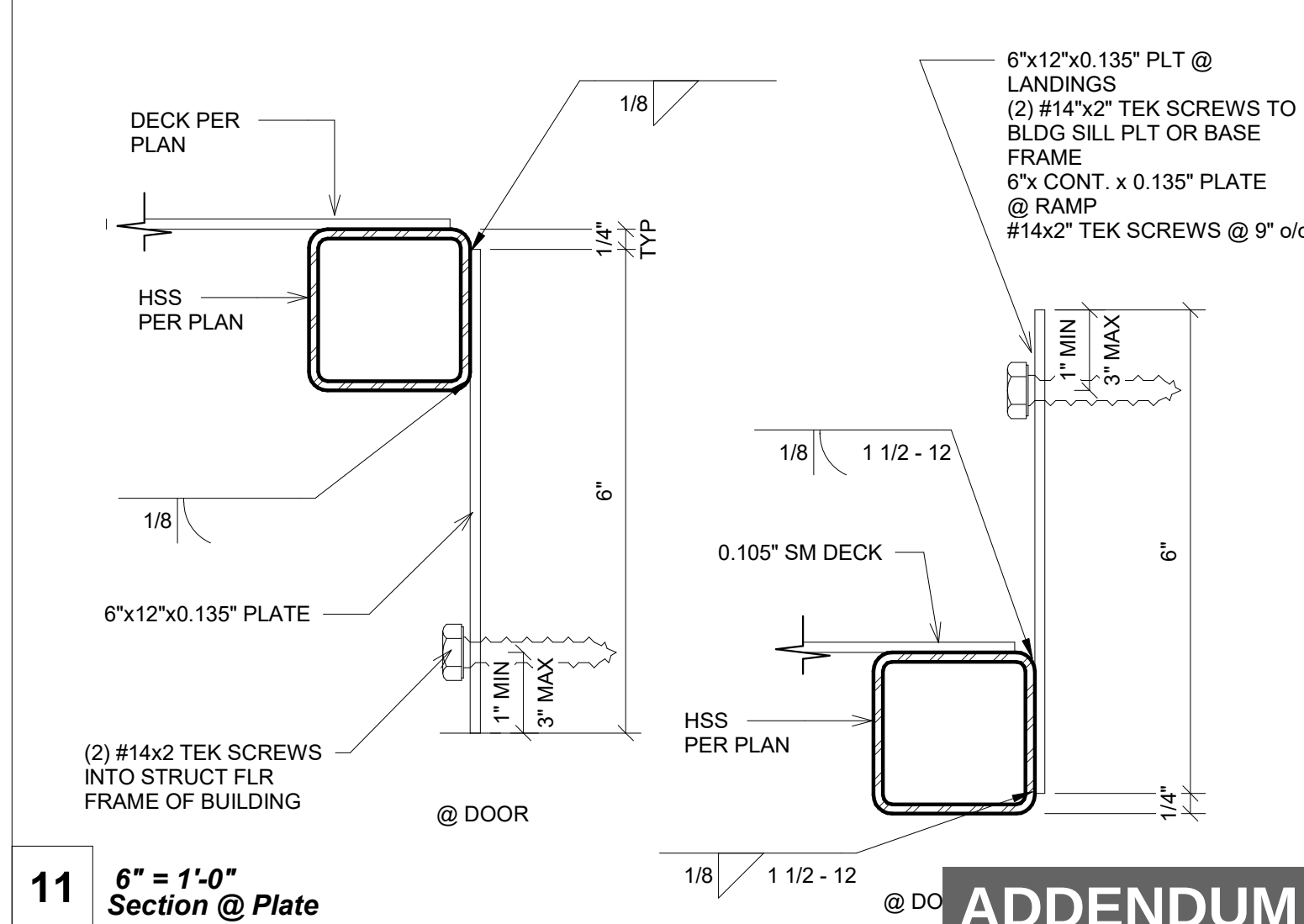
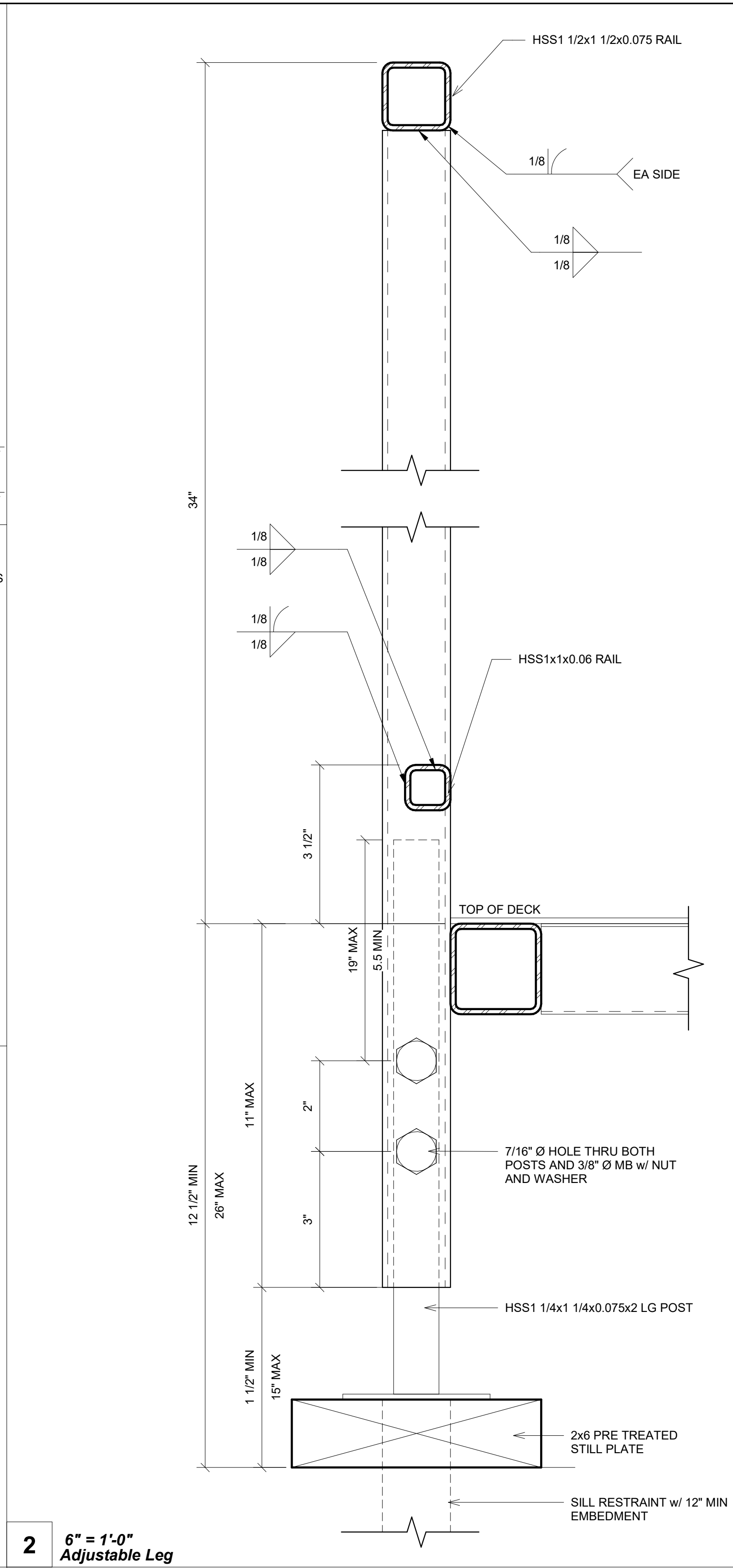
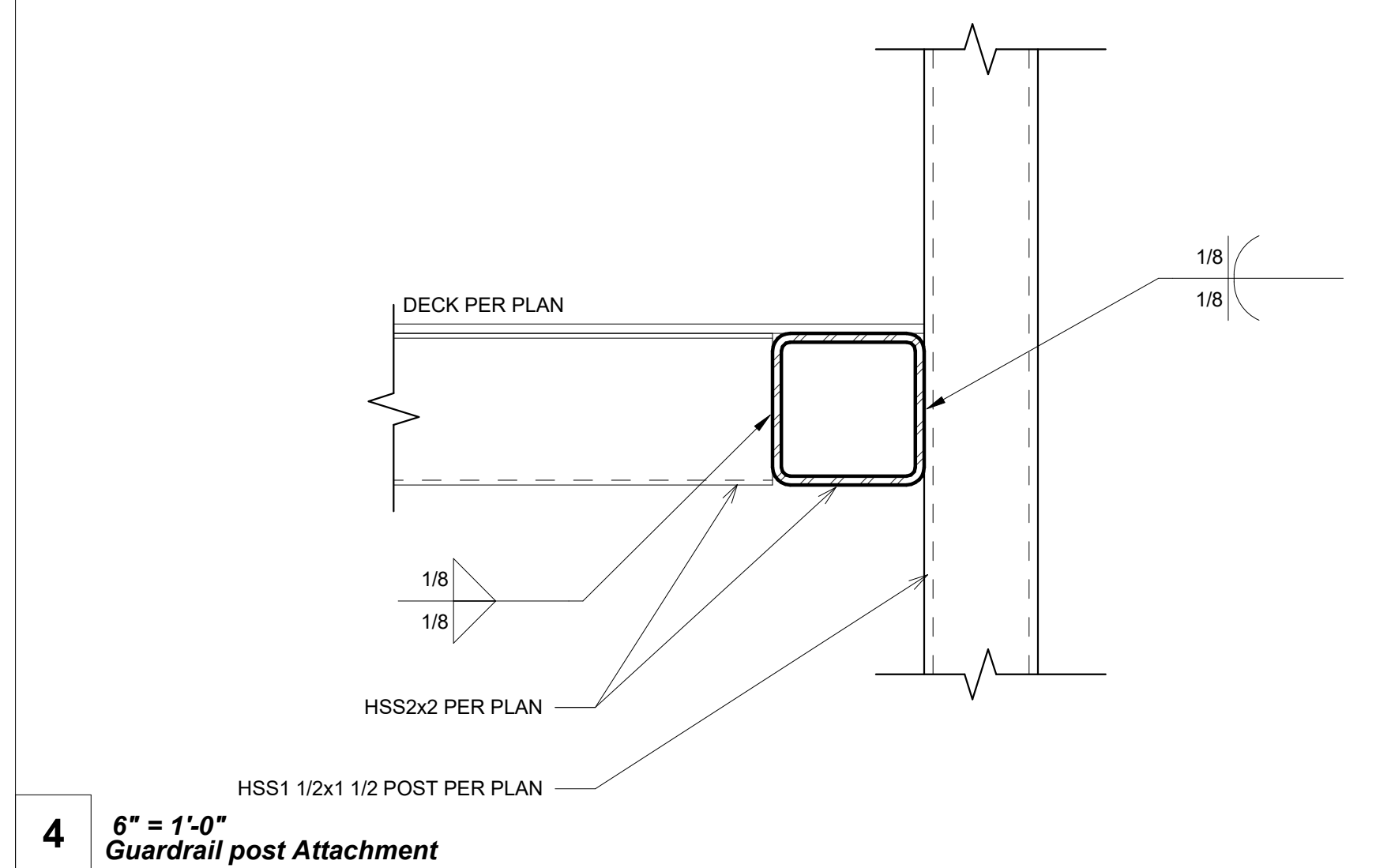
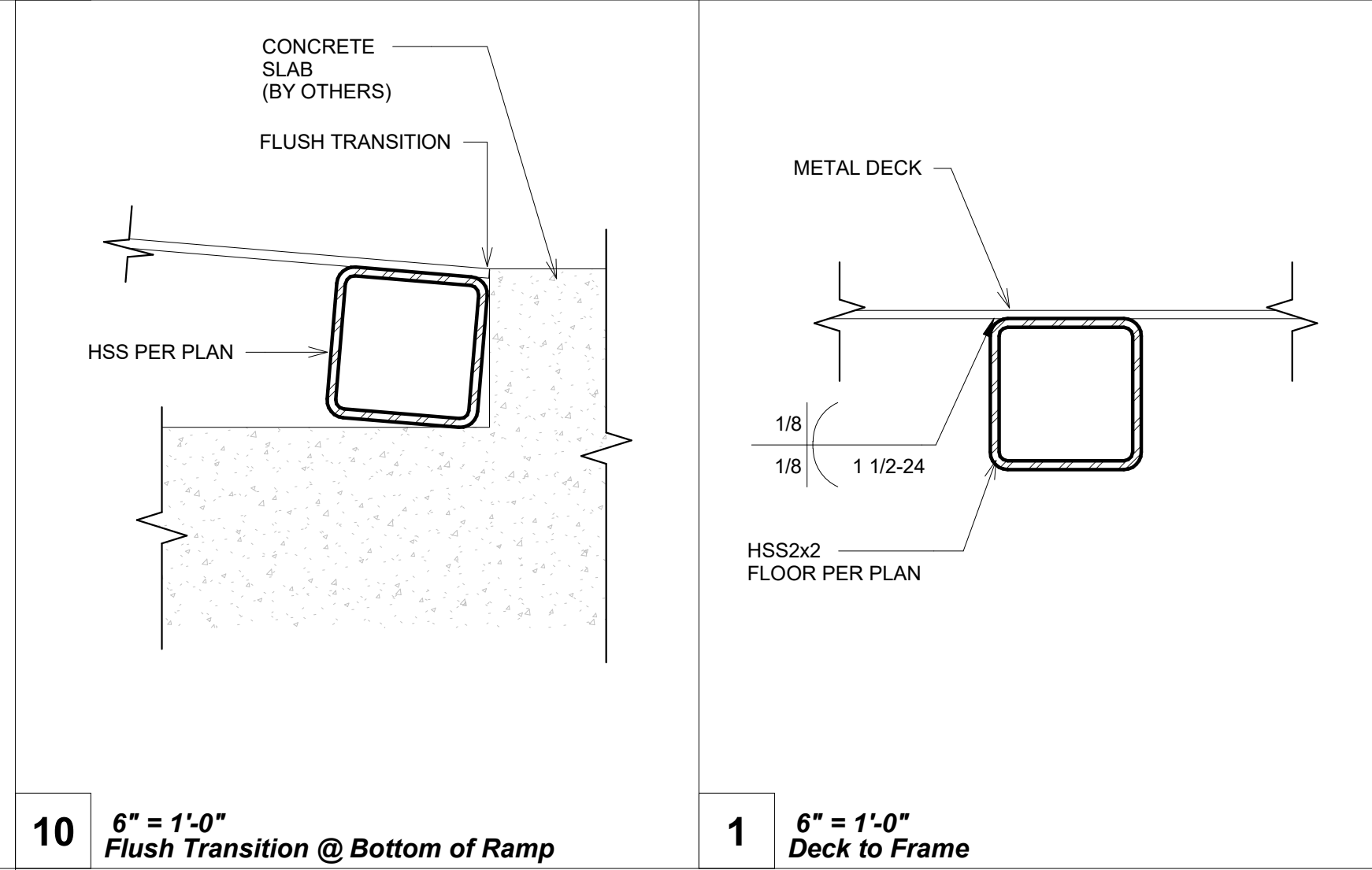
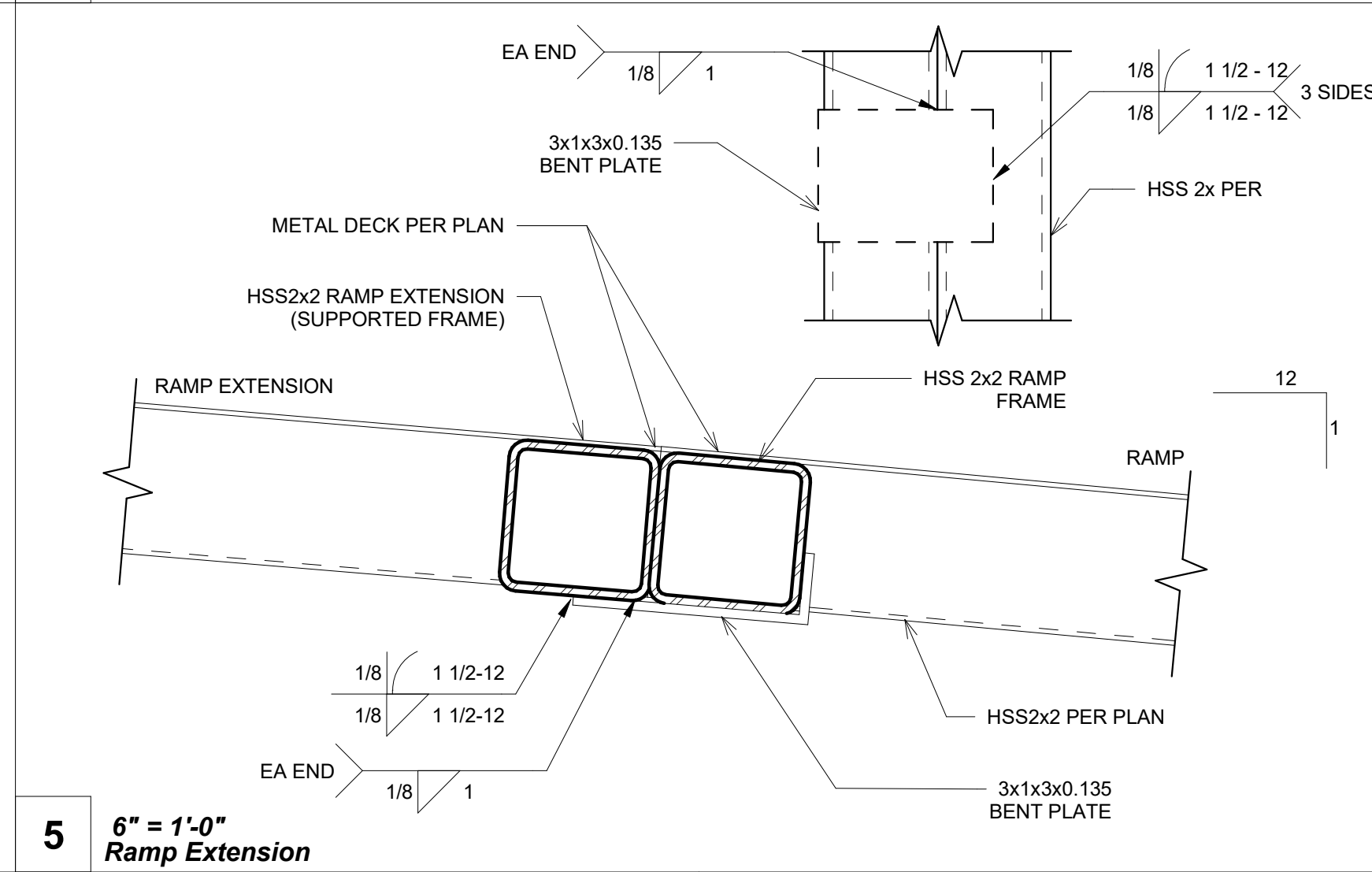
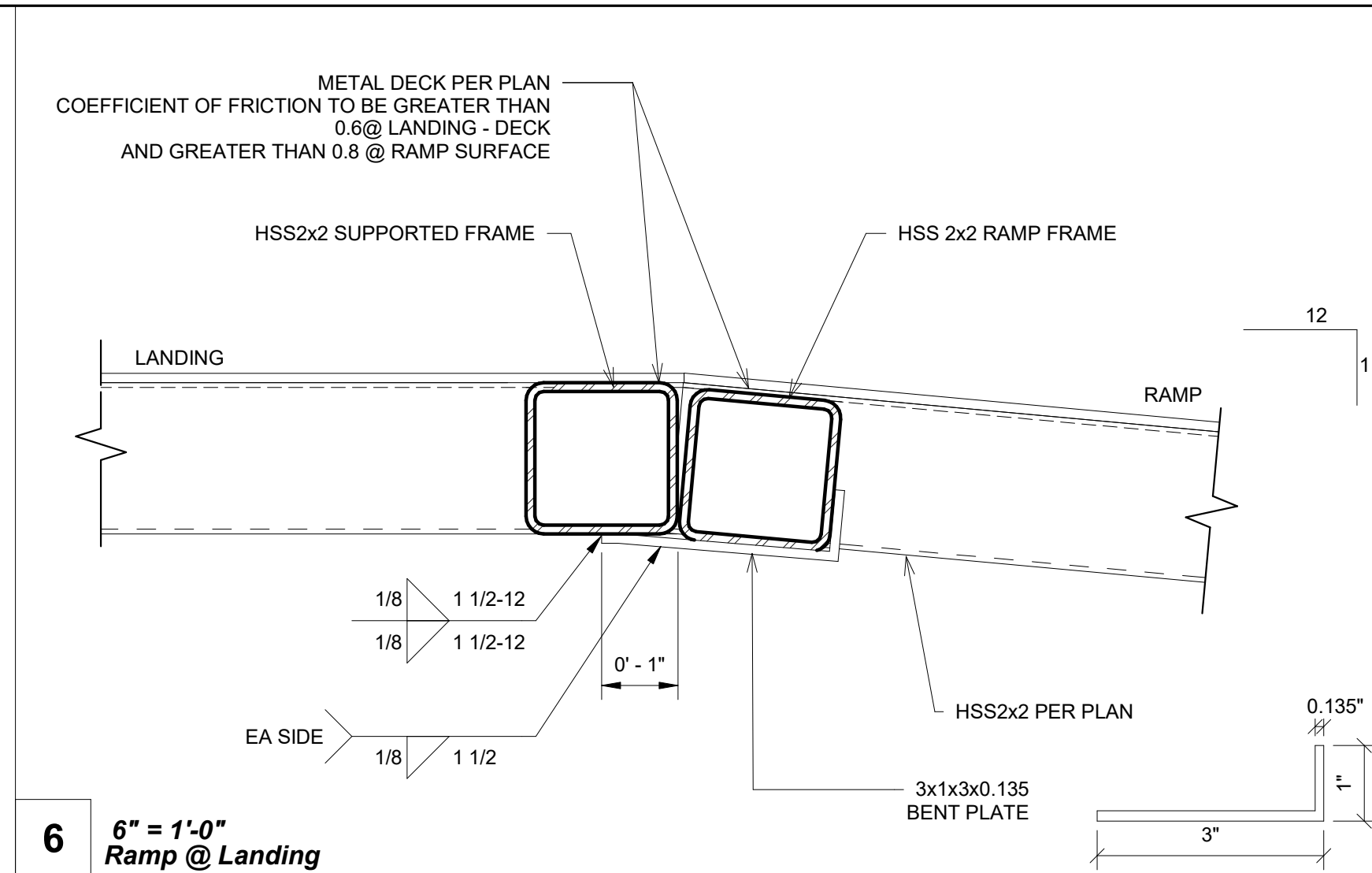
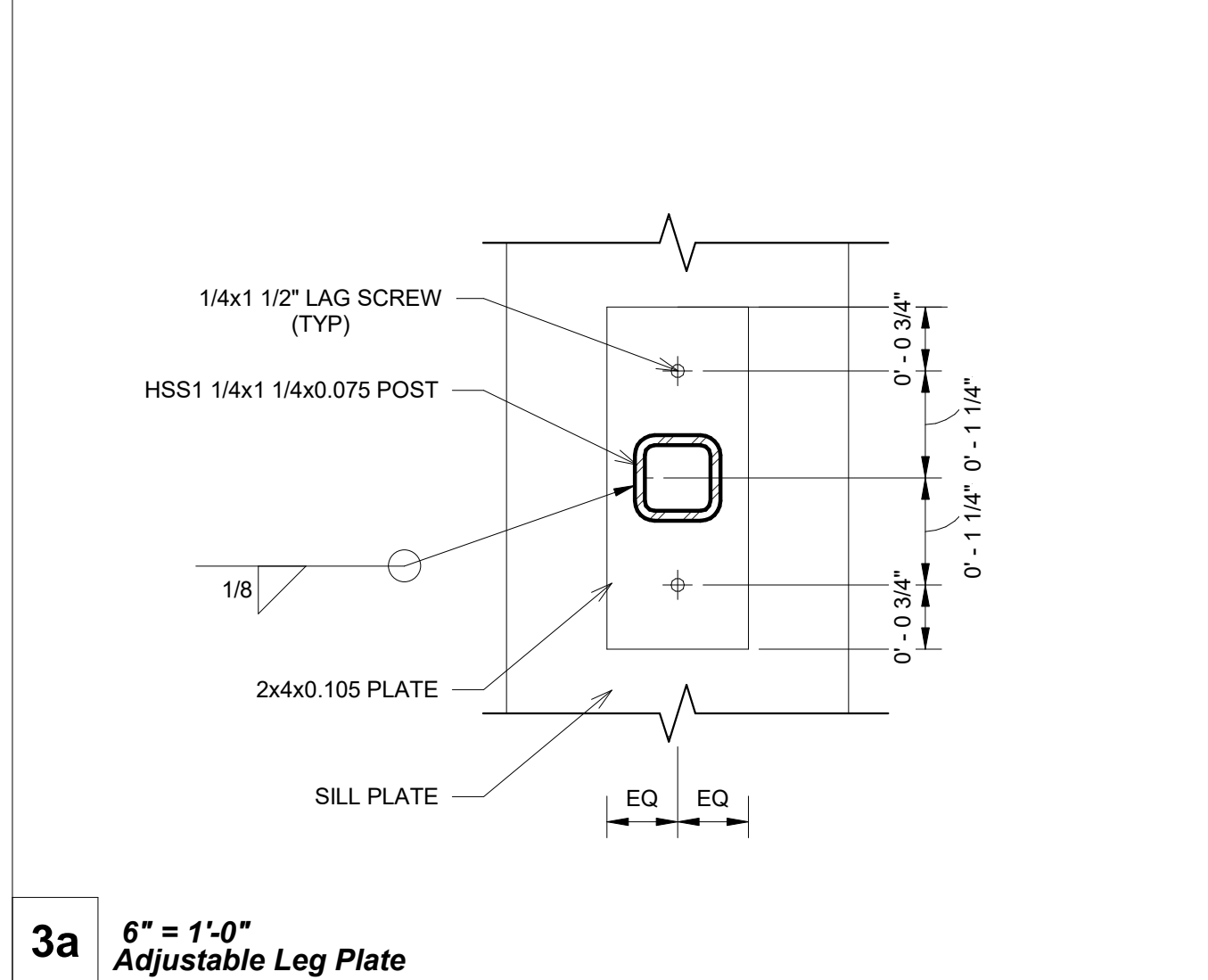
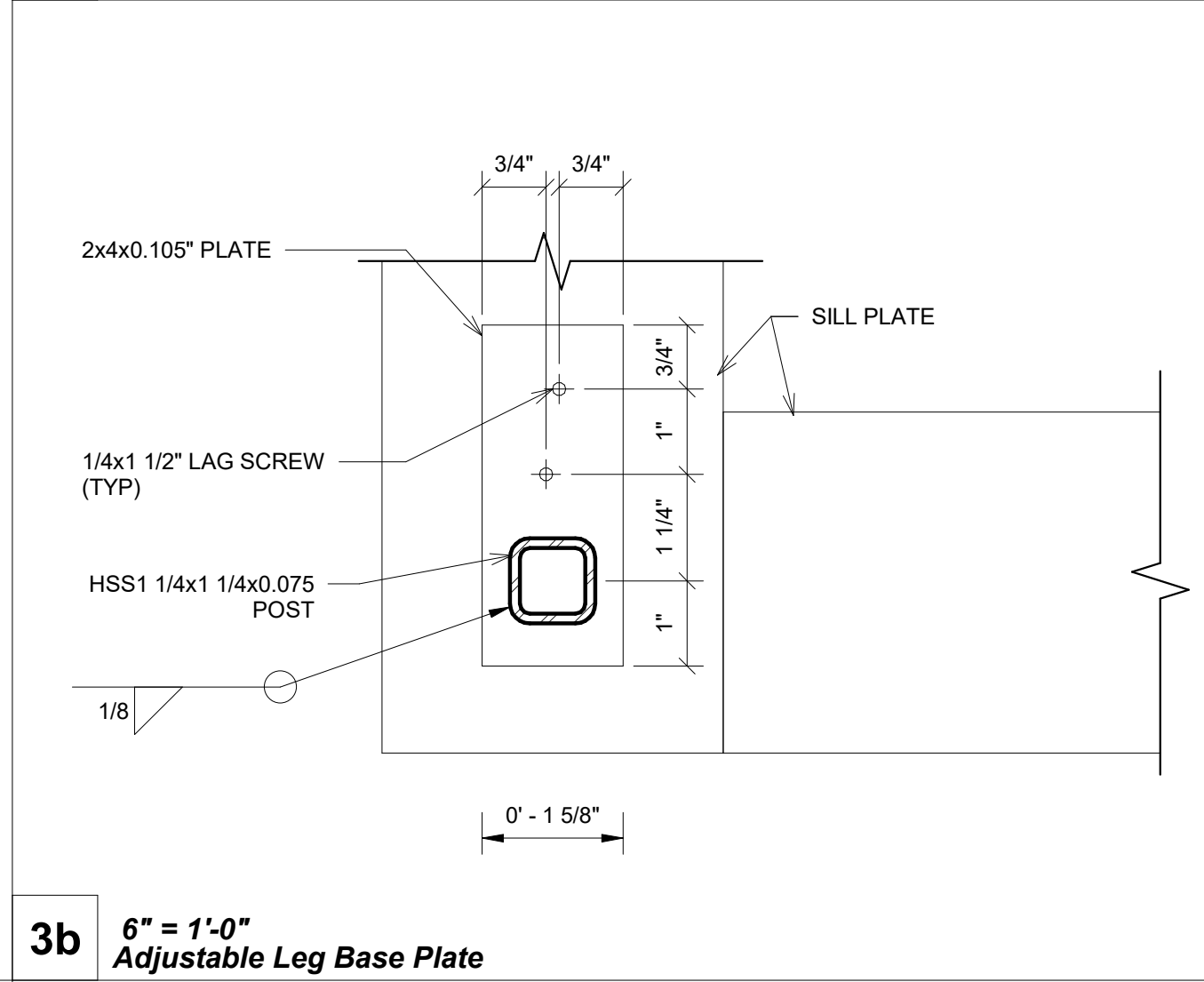
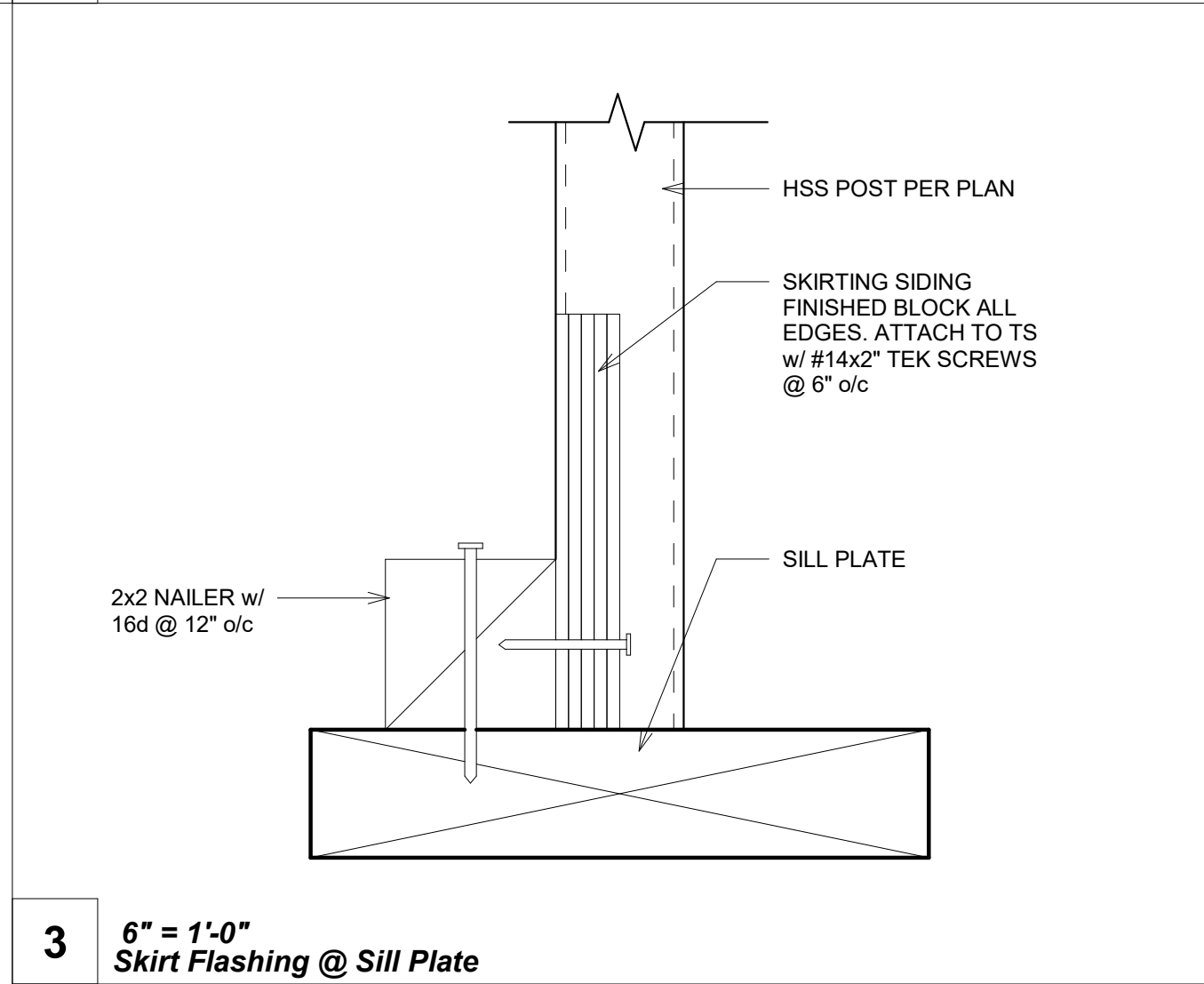
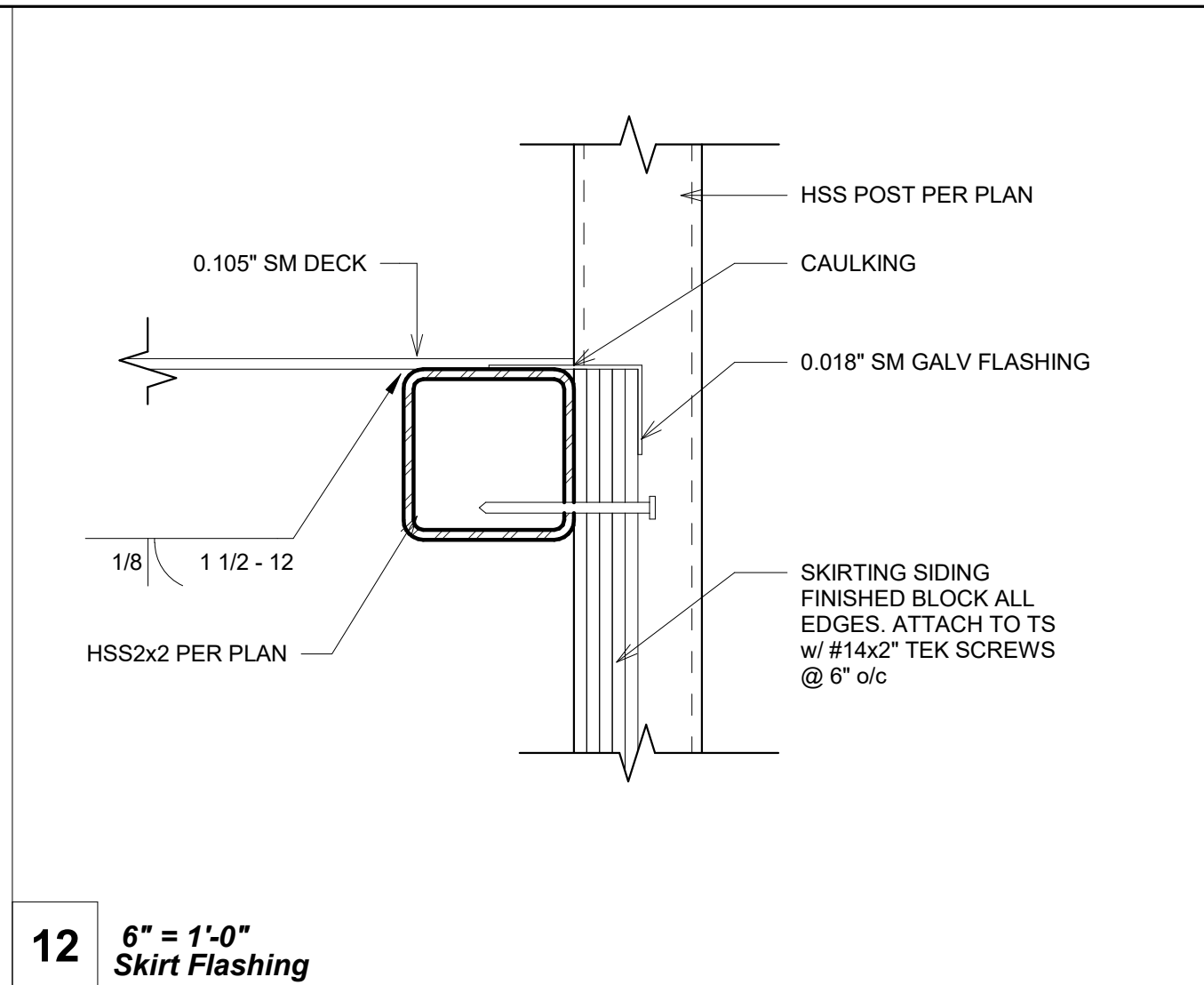
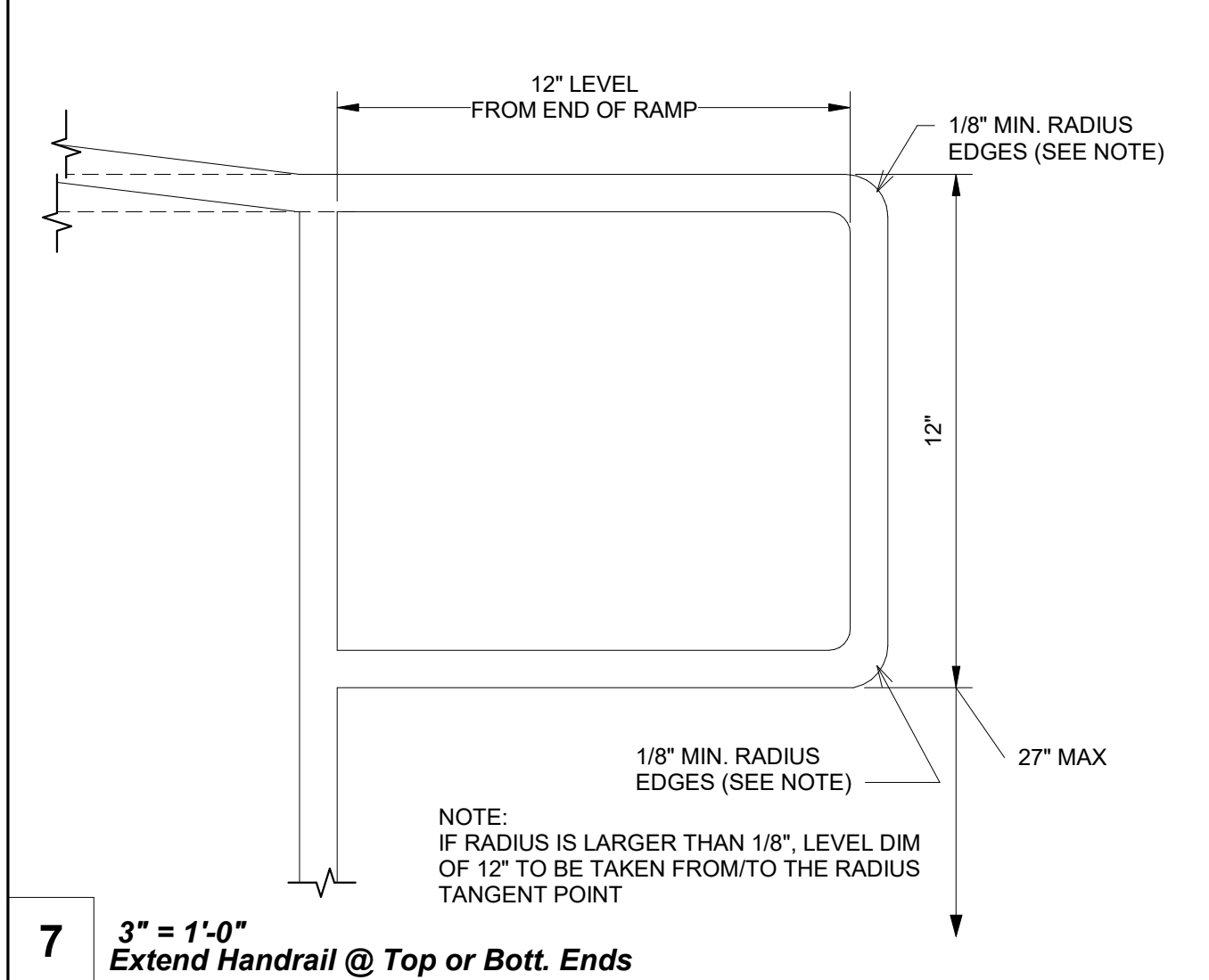
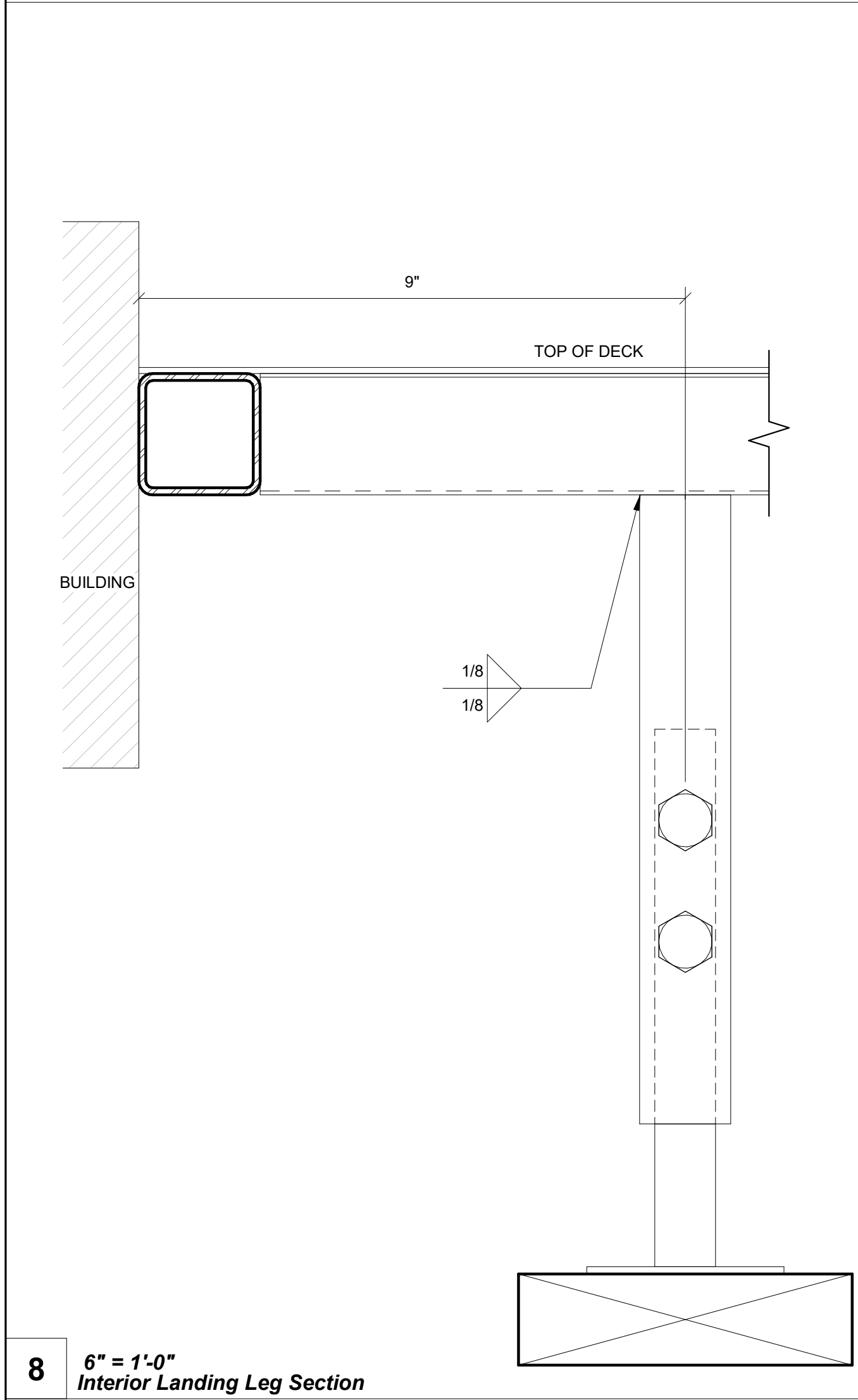
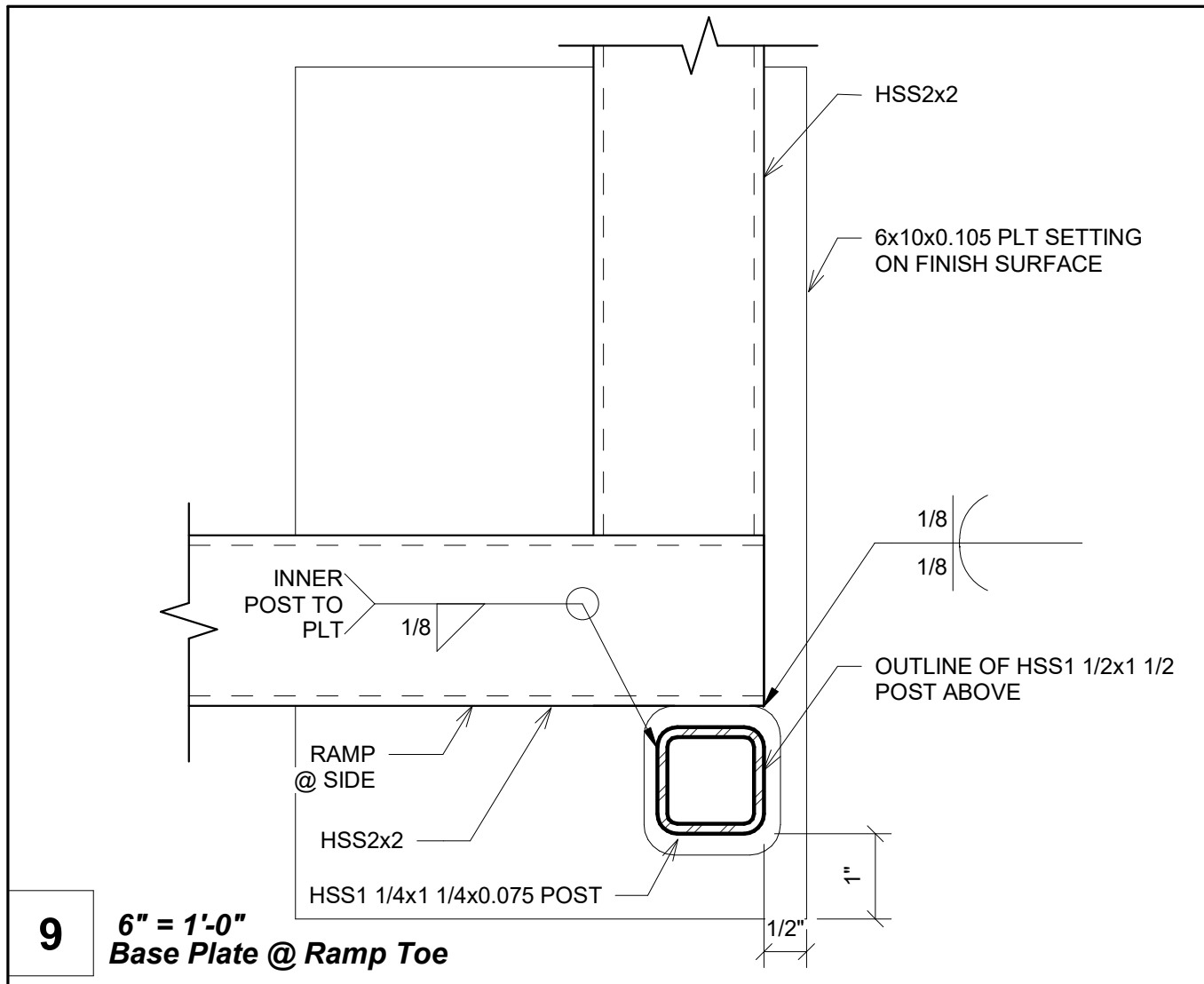
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DATE 12/23/2022

SHEET NO.

SR3

6/15/2021 7:29:28 PM M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REV\TRSH#20093 - Aries, Ramps and Stairs PC.rvt



PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING • PROJECT MEET
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MAMUN D. TAVARES
No. 53380
Exp. 03/31/24
STATE OF CALIFORNIA
07/24/23

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CLIENT

Class Leasing
1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 04/19/2023

Revision Schedule		
#	Description	Date
22079		

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp Details

PROJECT NUMBER
22079

DRAWN BY
SM

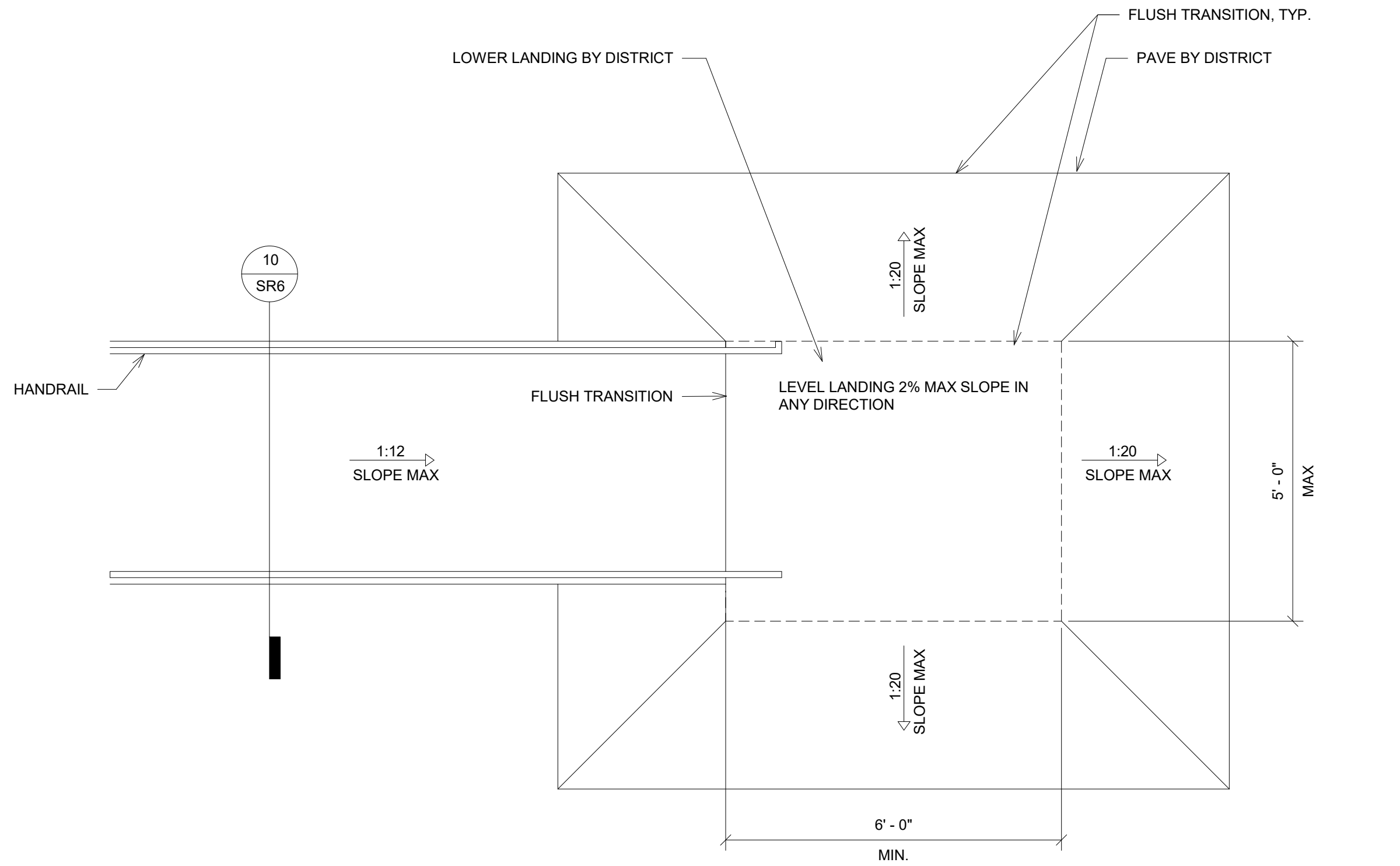
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DATE
12/23/2022

SHEET NO.
SR5

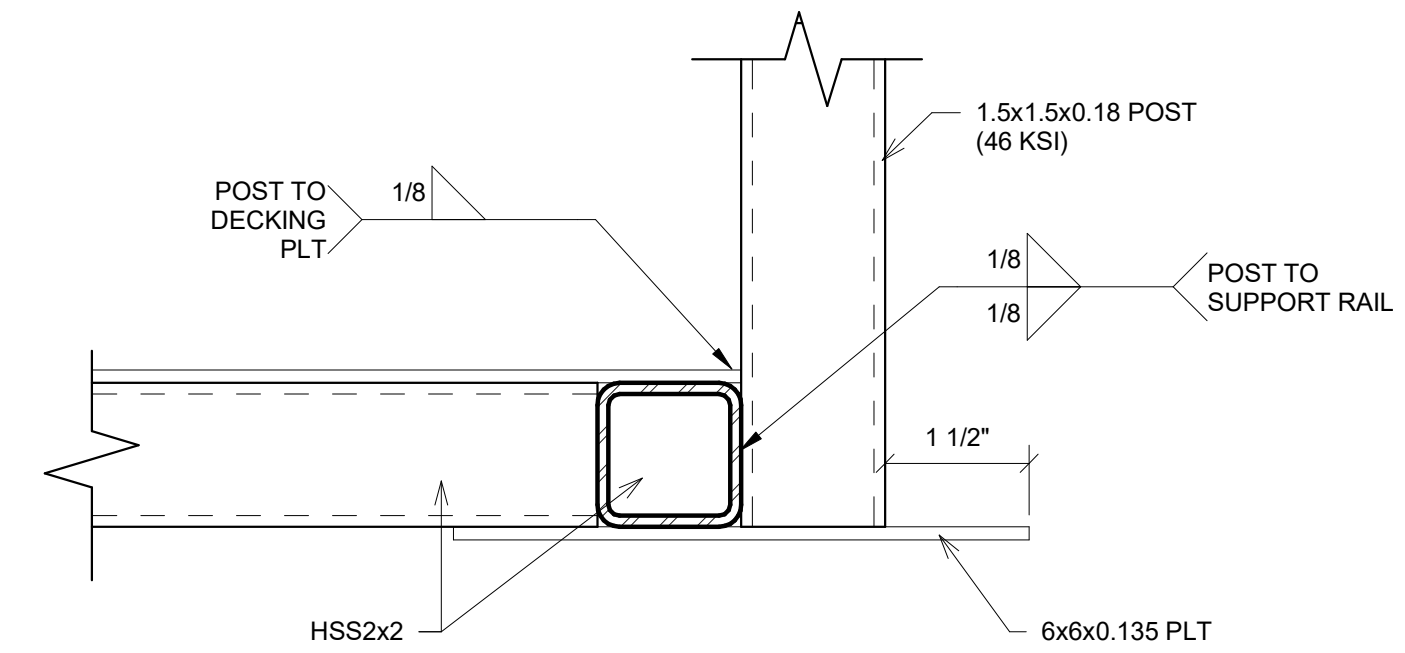
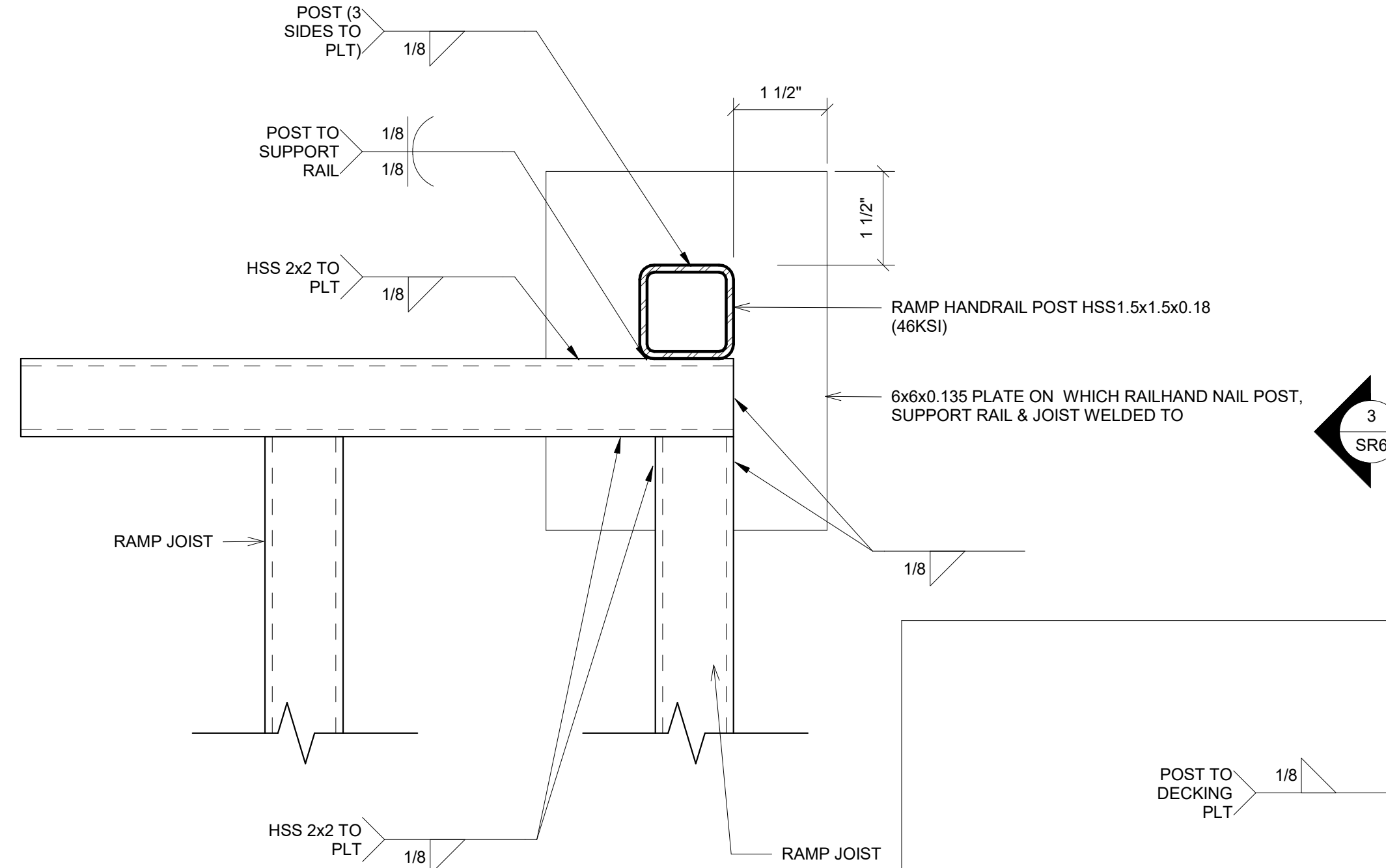
ADDENDUM

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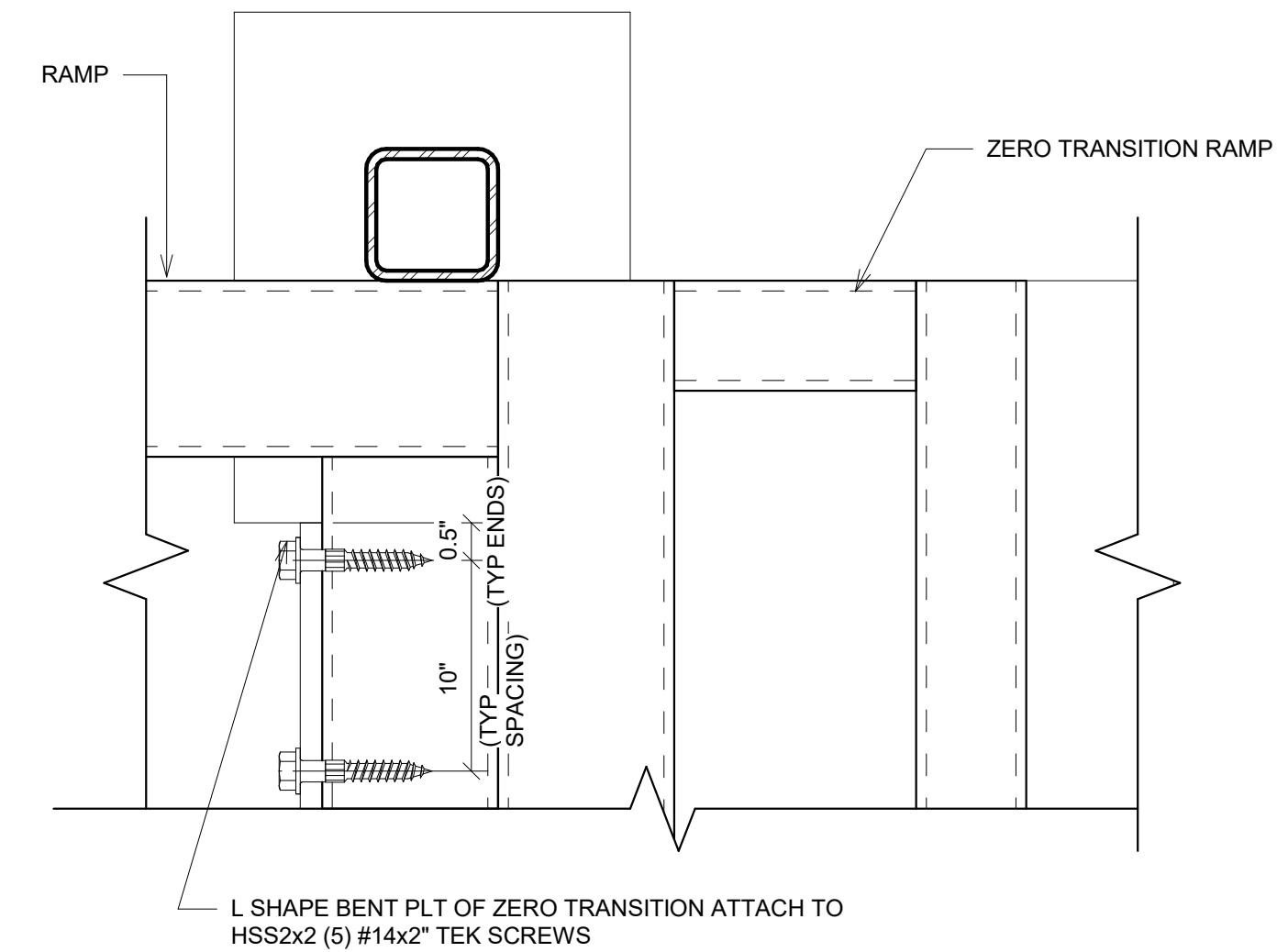
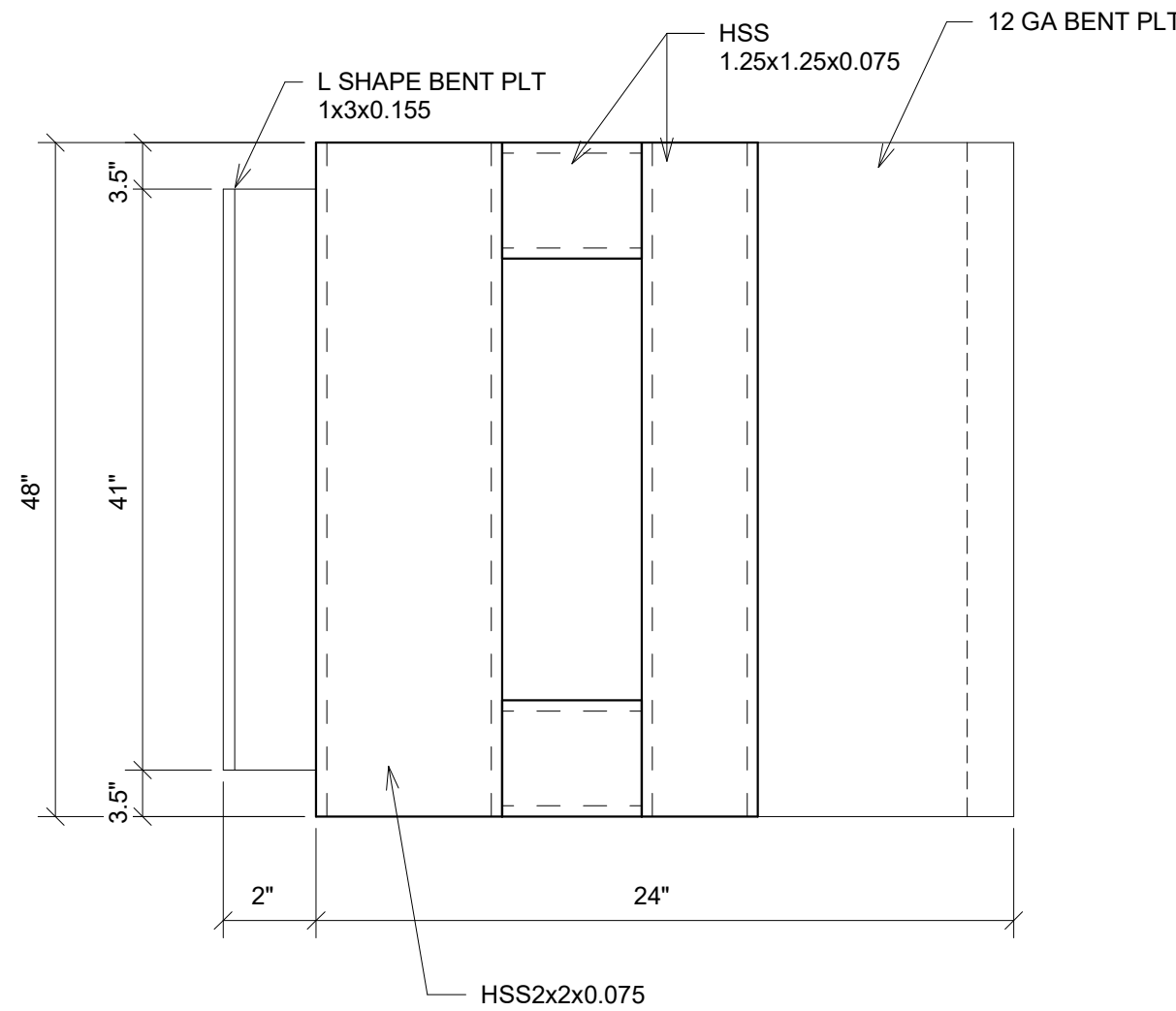
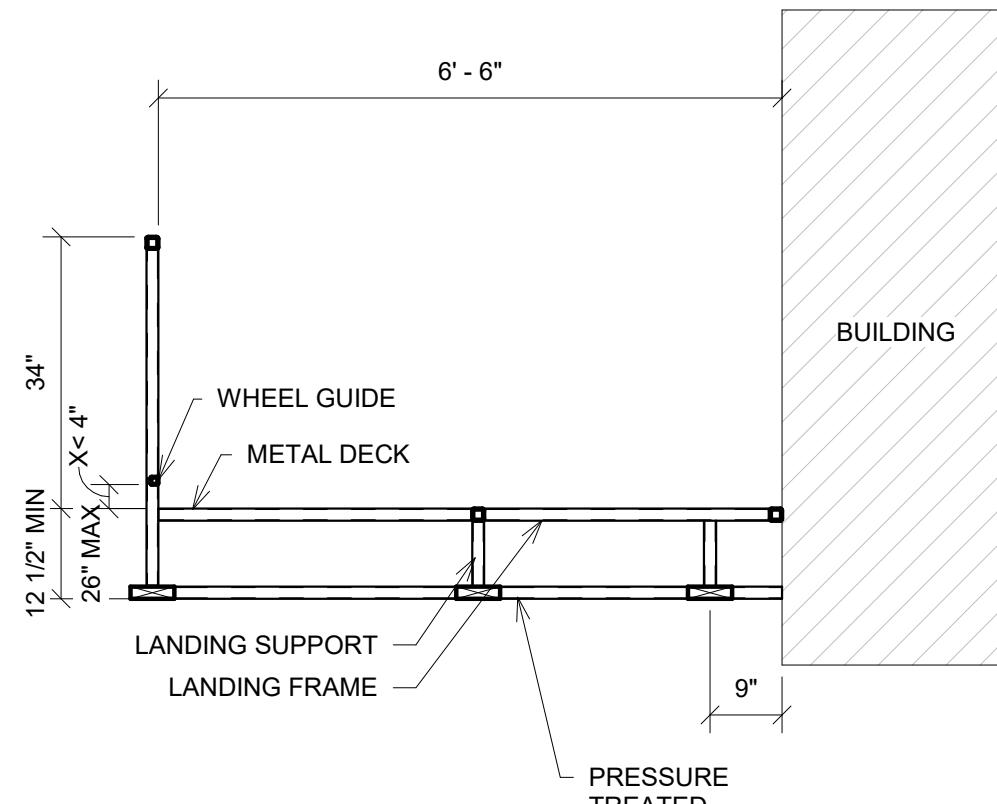
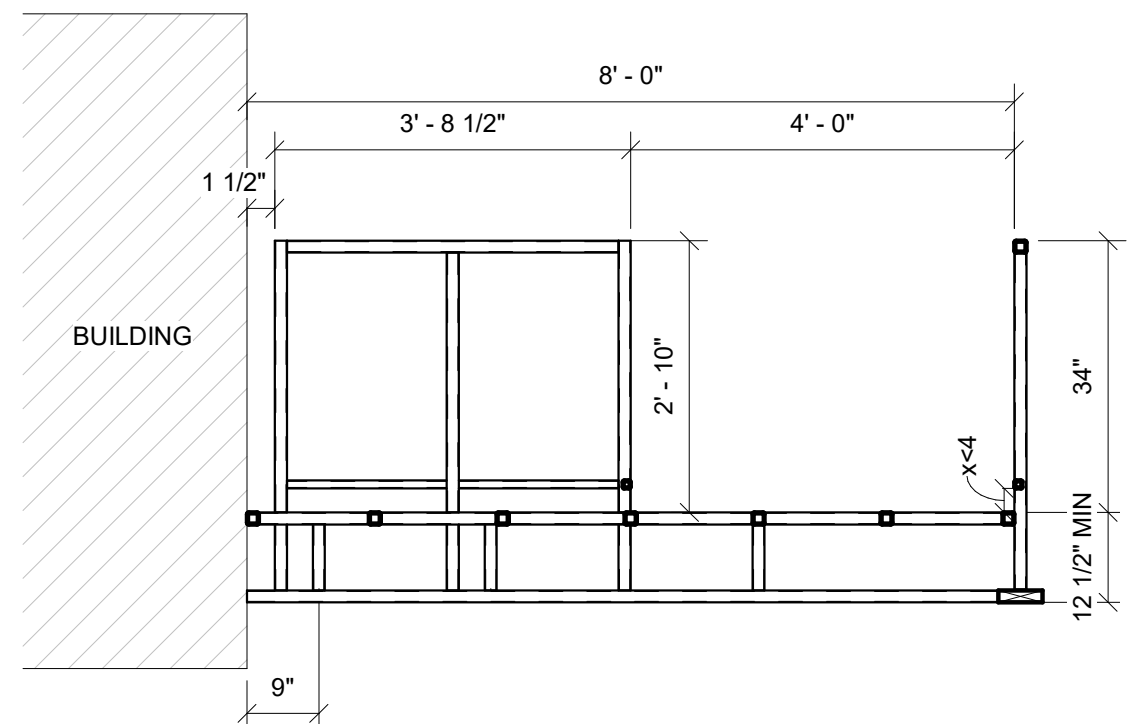
NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAIL.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP)

LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 1% 1% 2.083 MAX SLOPE



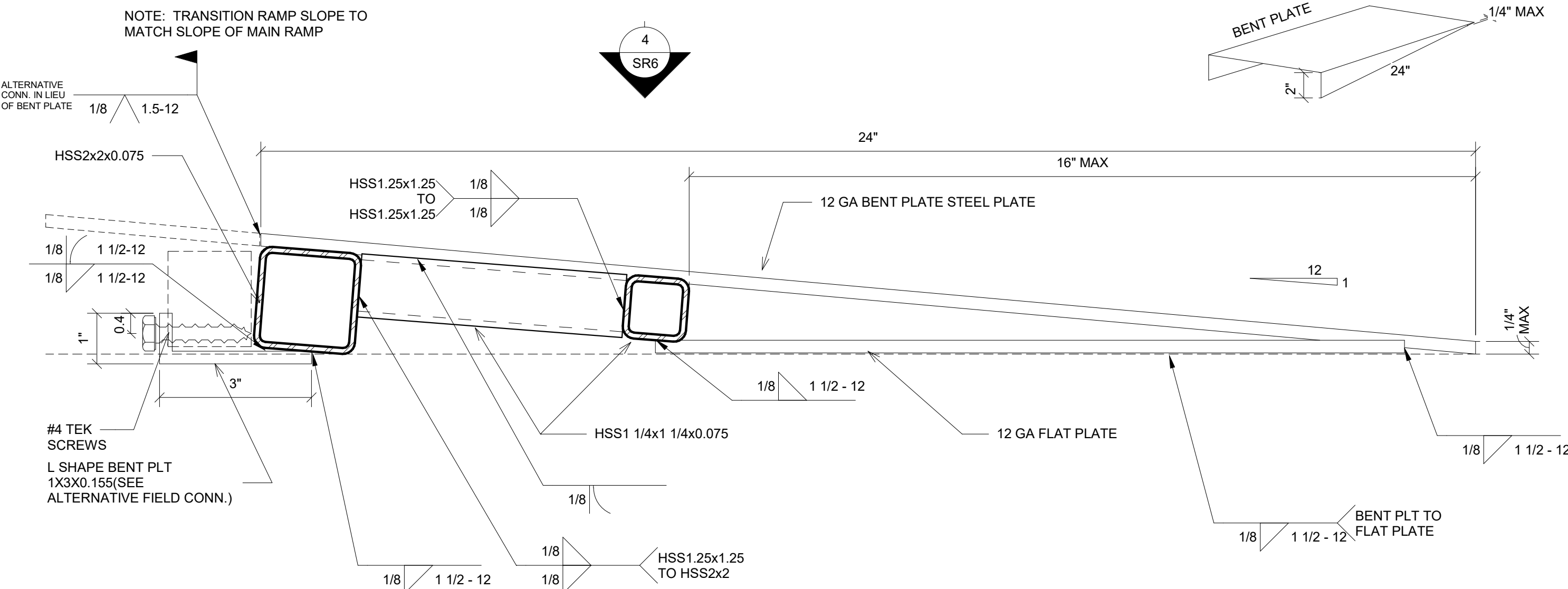
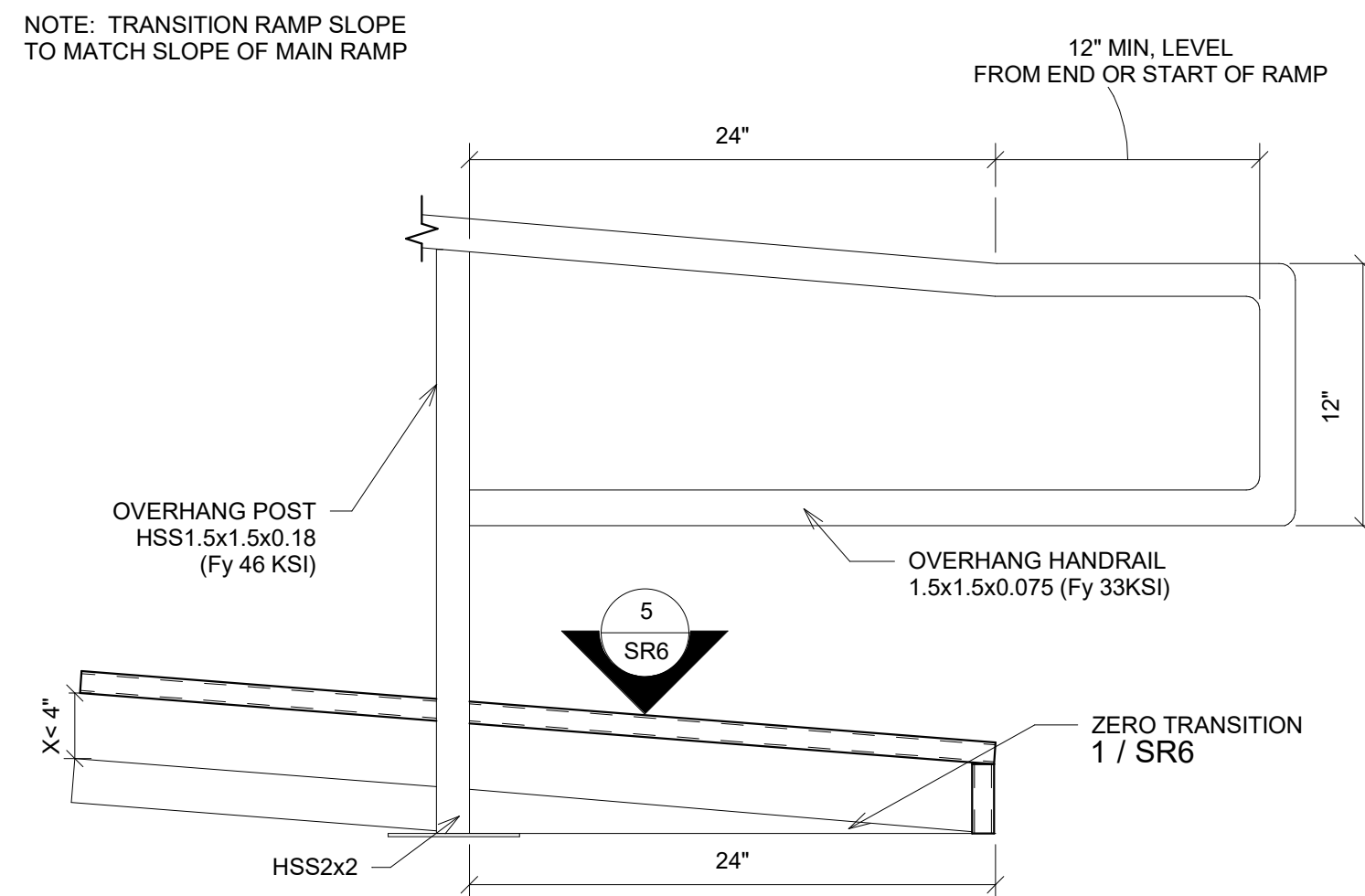
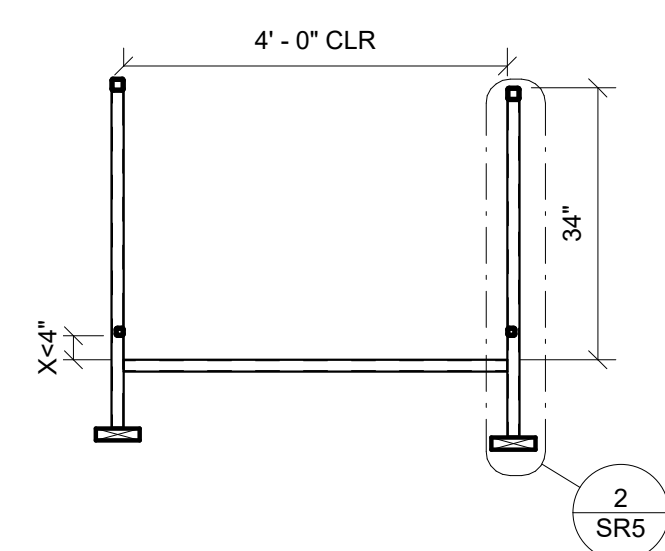
2 6" = 1'-0" Base Plt @ Ramp Toe For Zero Transition

3 6" = 1'-0" Base Plt @ Ramp Toe Low Zero Side View



4 6" = 1'-0" Top View Ramp Zero Transition

5 6" = 1'-0" Zero Transition Ramp Connection



1 6" = 1'-0" Zero Transition Ramp

6 1 1/2" = 1'-0" Extend Handrail @ Bottom End For Zero Transition Ramp

8 1/2" = 1'-0" Section @ Landing

9 1/2" = 1'-0" Section @ Landing

10 1/2" = 1'-0" Section @ Ramp

PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP



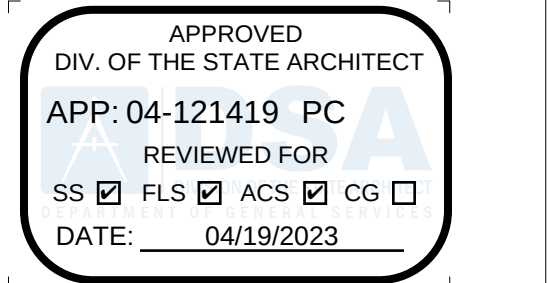
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1320 W. Oleander Ave, Perris CA 92571-7408
VOICE (951) 943-1908/Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule
Description Date22079

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

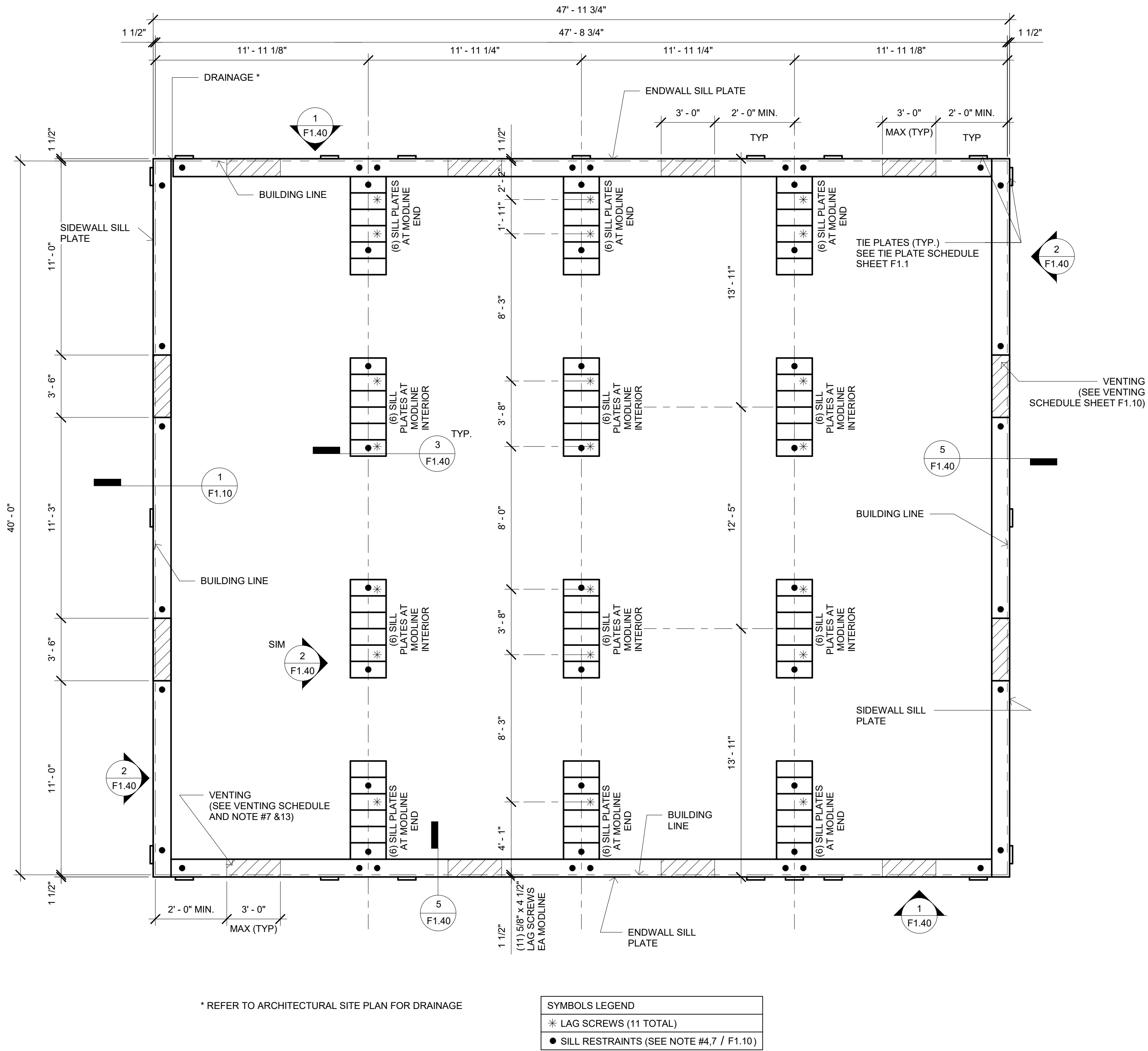
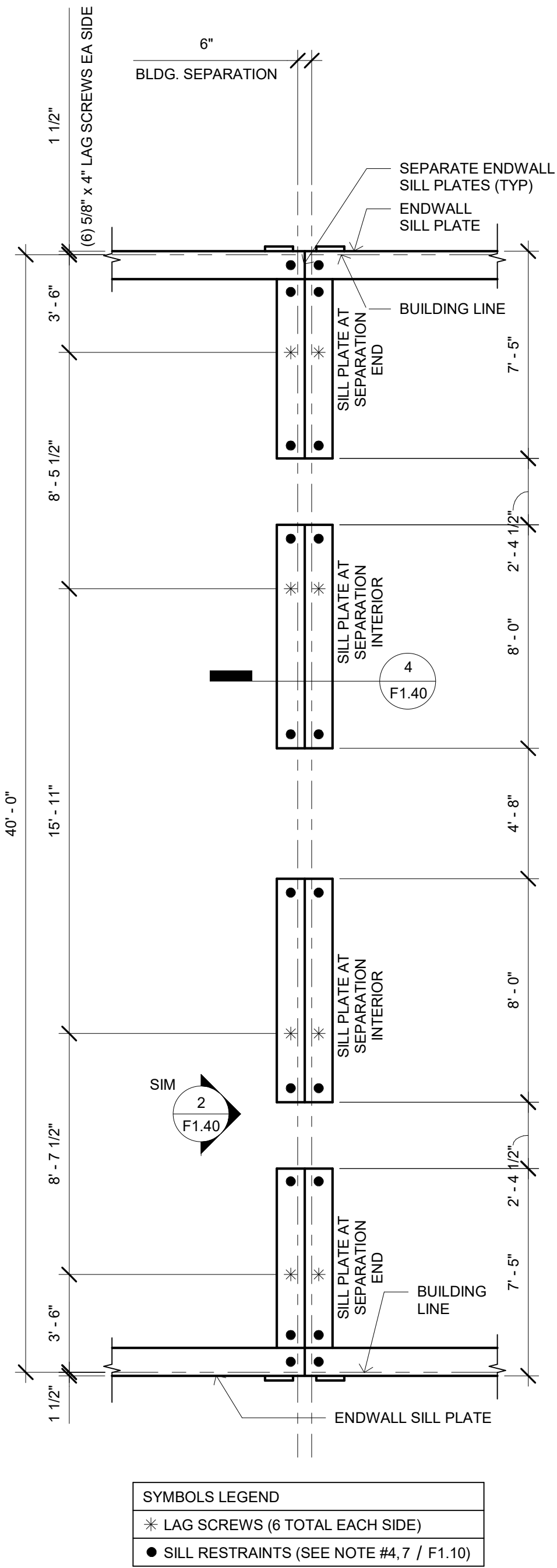
PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp Details

PROJECT NUMBER
22079
DRAWN BY
SM
CHECKED BY
rMc
DATE
12/23/2022
SHEET NO.

SR6

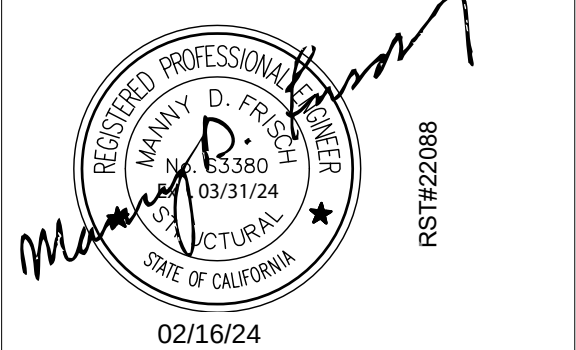
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PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP

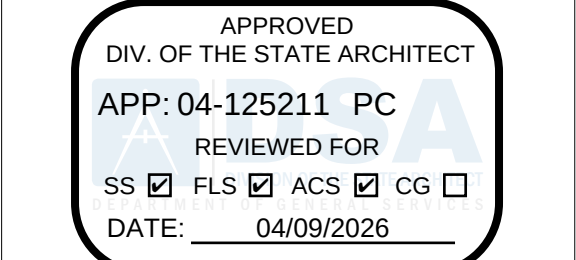


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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
---	-------------	------

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
WOOD
FOUNDATION
PLAN 48x40 BLDG
W/ 50+15

PROJECT NUMBER
22088

DRAWN BY
rMc/SC

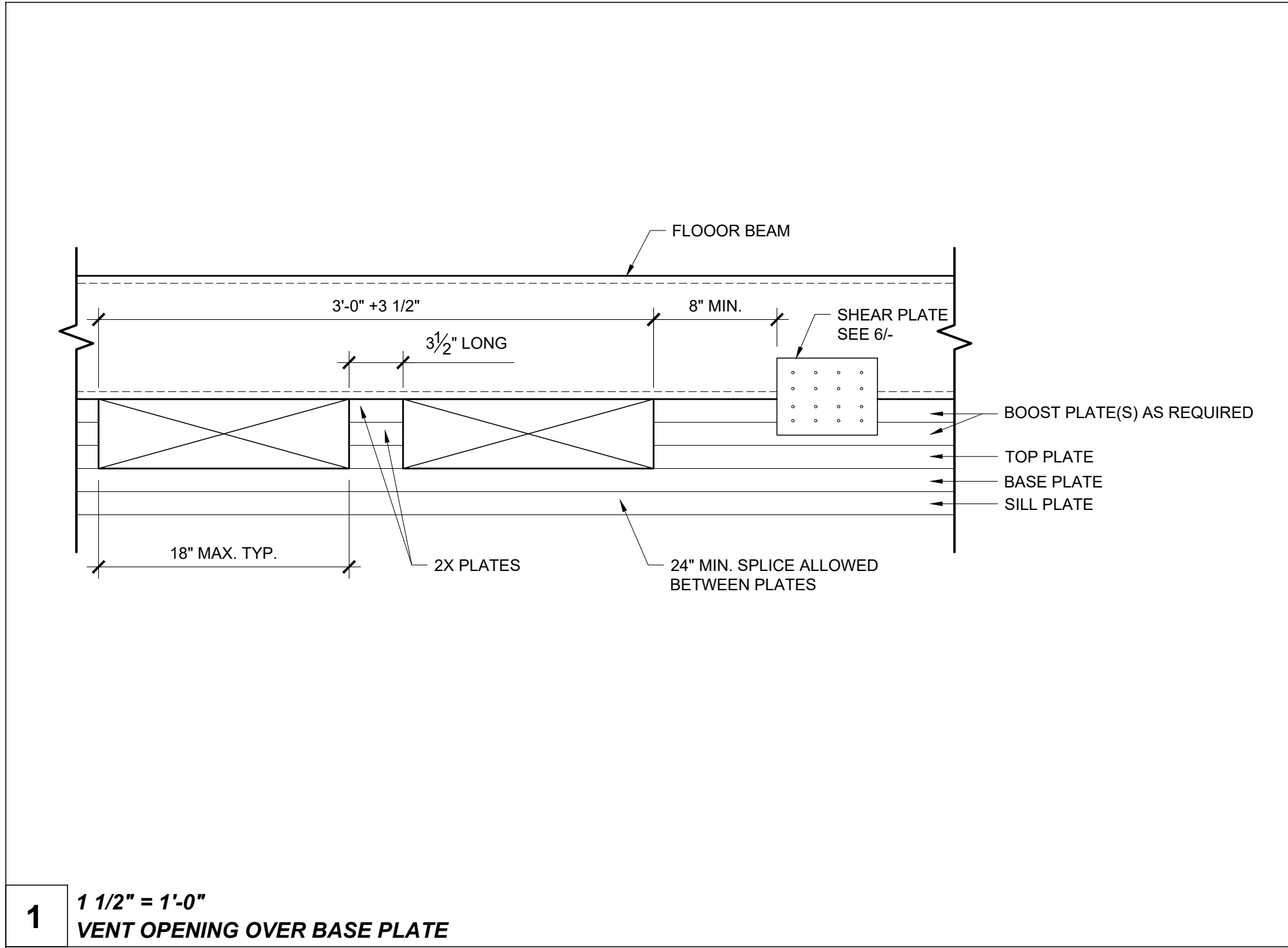
CHECKED BY
JA/RT

DATE

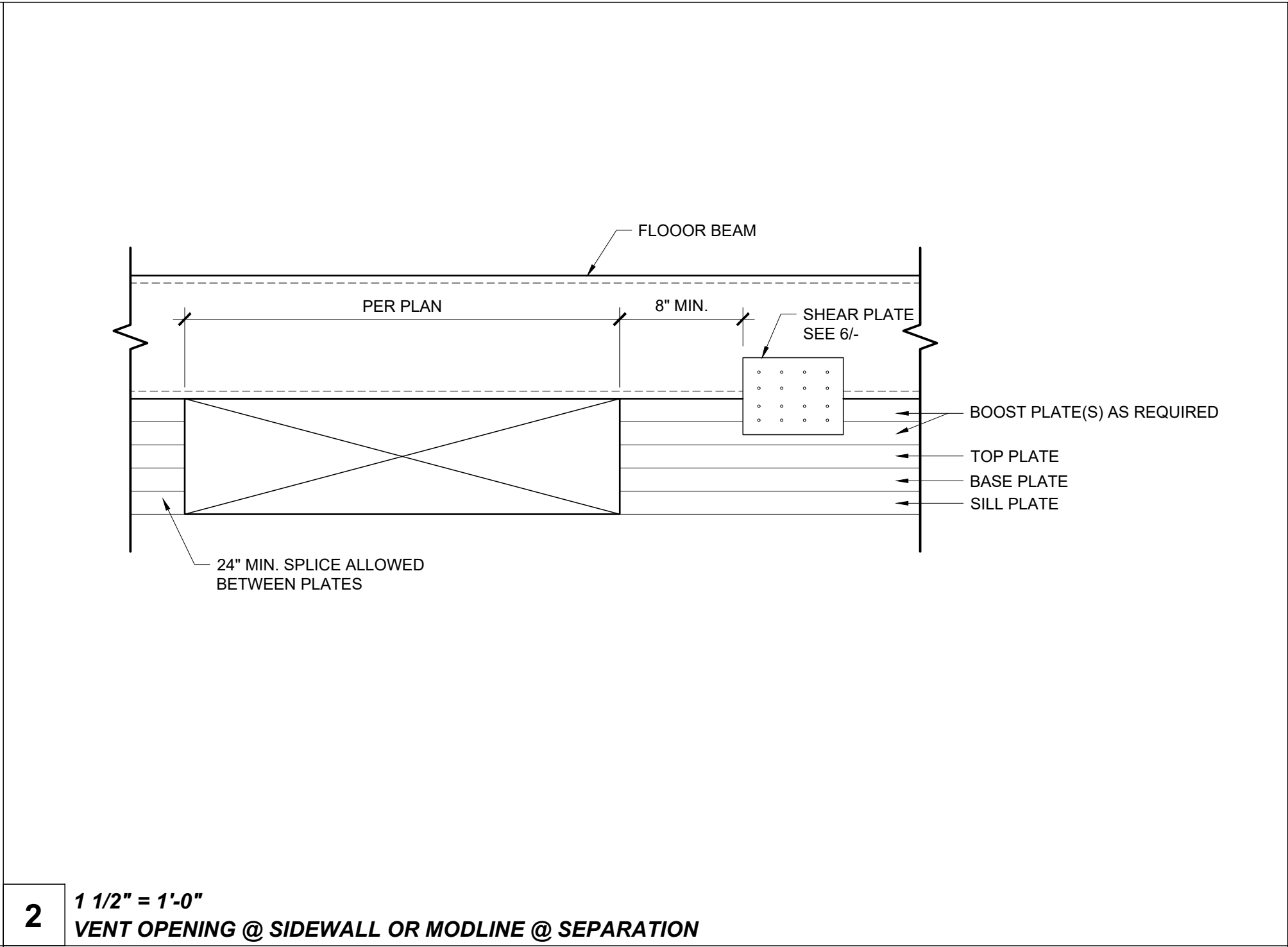
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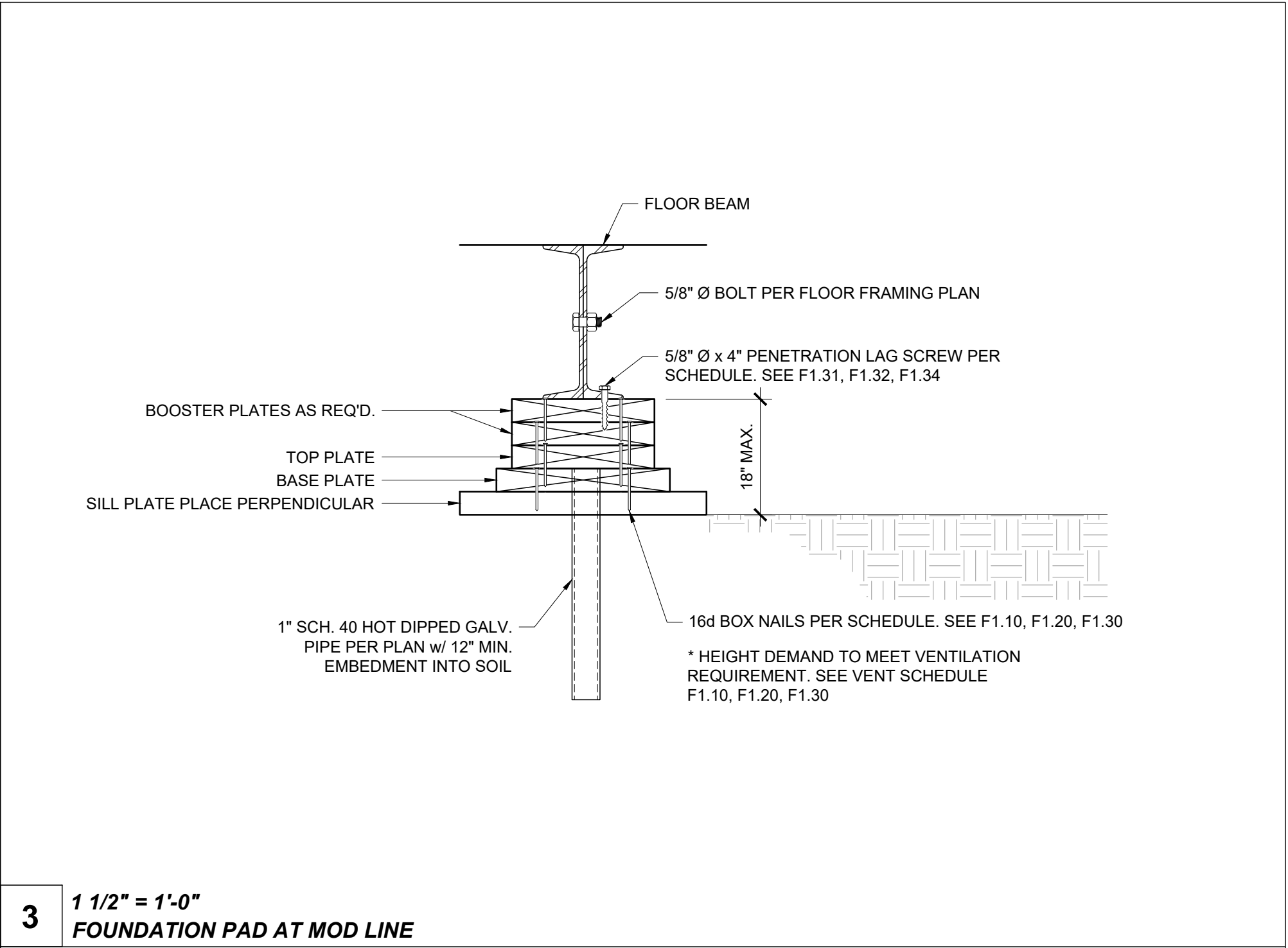
ADDENDUM



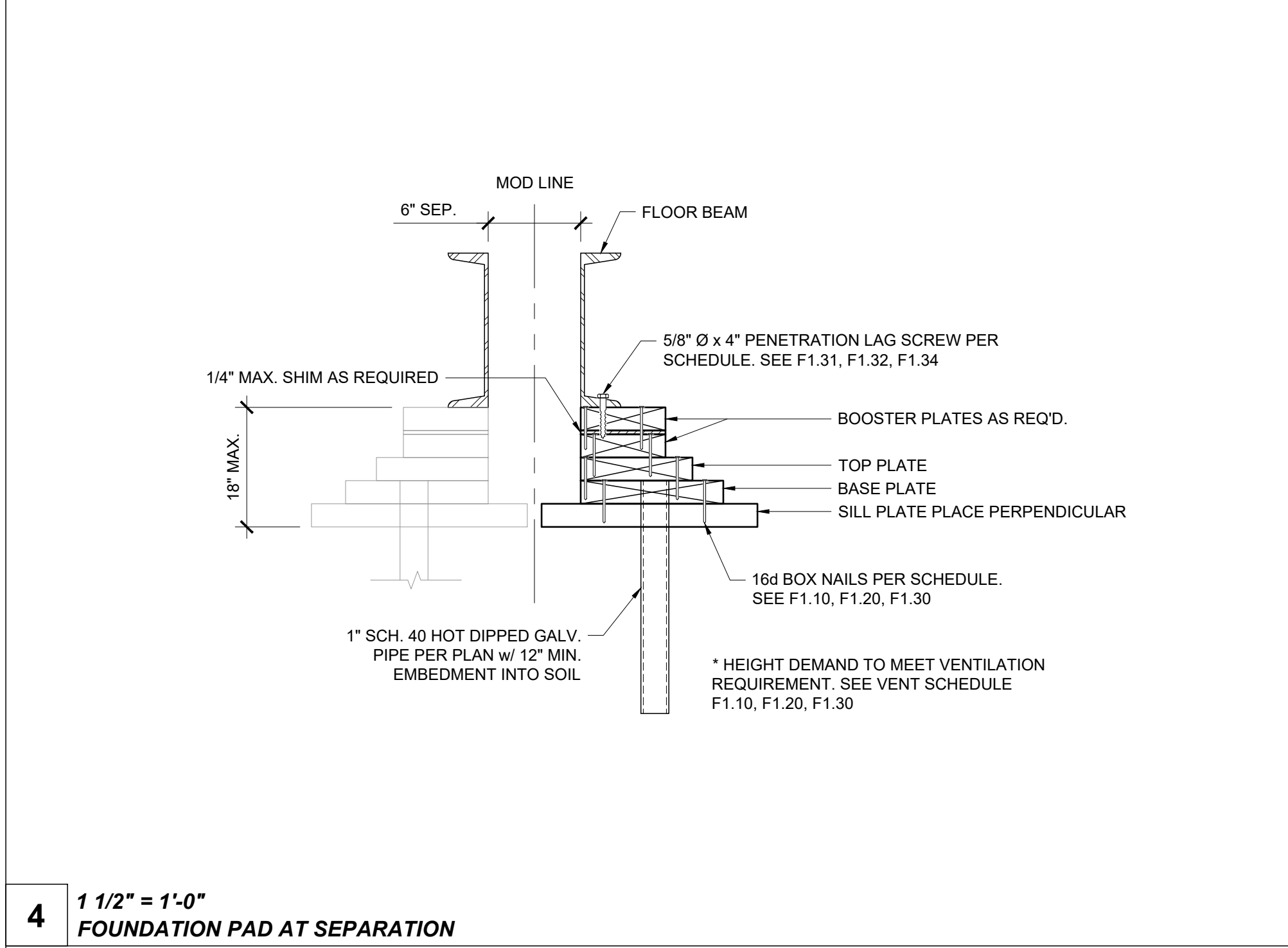
1 1 1/2" = 1'-0"
VENT OPENING OVER BASE PLATE



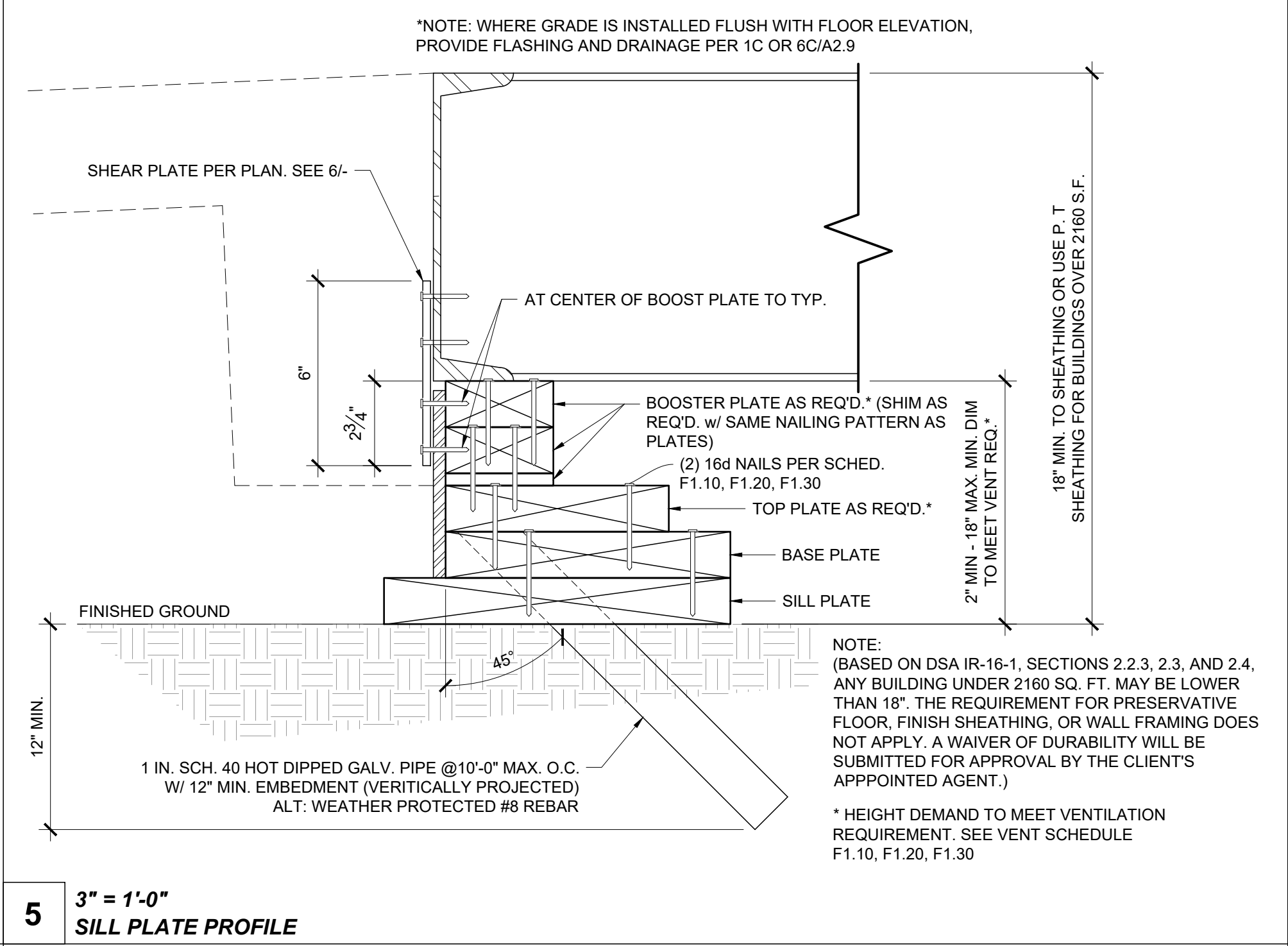
2 1 1/2" = 1'-0"
VENT OPENING @ SIDEWALL OR MODLINE @ SEPARATION



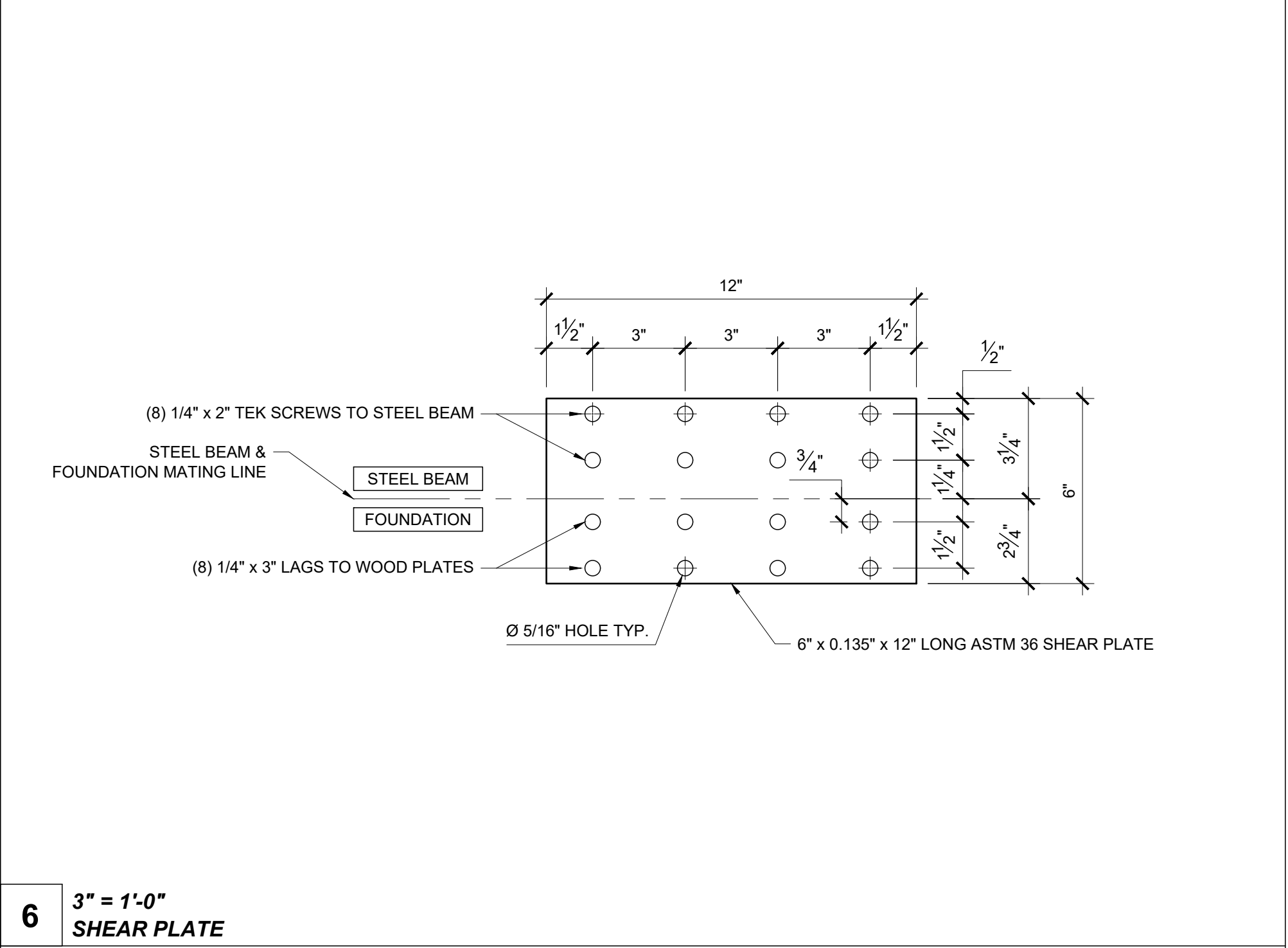
3 1 1/2" = 1'-0"
FOUNDATION PAD AT MOD LINE



4 1 1/2" = 1'-0"
FOUNDATION PAD AT SEPARATION



5 3" = 1'-0"
SILL PLATE PROFILE



6 3" = 1'-0"
SHEAR PLATE



7 1 1/2" = 1'-0"
SPLICE AT SILLS

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN • CONSULTING • PROJECT
11550 W. BERNARD COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
RST#25218
MAKIN, D. FRISCO
03/31/26
STRUCTURAL
STATE OF CALIFORNIA
1.9.26

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Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-125211 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 04/09/2026

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION DETAILS

PROJECT NUMBER
22088

DRAWN BY
DDS

CHECKED BY

DATE
12/16/25

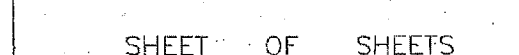
SHEET NO.
F1.40

ADDENDUM

1

24' x 40' EXPANDABLE TO 48' x 40'

100



ADDENDUM

ARCHITECTURAL

6 General Architectural Sheets 1/4" = 1'-0"		Sheet
COVER SHEET		A0.0
PROJECT OPTIONS SCHEDULE		A0.0.1
TYPICAL KEY PLAN AND SCHEDULE, GEN NOTES		A0.1
SIGNAGE AND SYMBOLS		A0.2
DSA-103 T&I CONCRETE FLOORS		A0.3
DSA-103 T&I CONCRETE FLOORS		A0.4
CALGREEN SPEC'S		A0.5
CALGREEN SHEET		A0.6
CALGREEN SHEET		A0.7
5 Floor Plan Details 1/4" = 1'-0"		Sheet
Floor Plans		A1.0
Floor Plan - 24'x40'		A1.1
Floor Plan - 36'x40'		A1.2
Floor Plan - 48'x40'		A1.2
1 Arch Floor Framing Details 1/4" = 1'-0"		Sheet
ARCHITECTURAL FLOOR FRAMING DETAILS		
Wood Floor	1 2 3 4 5 6	A2.9
Concrete Floor	7 8 9 10 11 12	A2.9
2 Wall Schedule 1/4" = 1'-0"		Sheet
ARCHITECTURAL WALL DETAILS		
Wood	Door ML Window Corner HVAC Top PLT 6" SEP 1-HR OPT 1 1-HR OPT 2 EXT HDR INT HDR	A2.1
Wood Sheathing	8 9 2 3 4 5 11 1 16 17 5 X X 10A 10B	A2.2
Wood Plaster	8 9 3 4 5 11 1 16 17 5 X X 10A 10B	A2.5
1-HR Wood Sheathing	8 9 2 3 4 5 11 1 16 17 5 18 19 10A 10B	A2.6
1-HR Wood Plaster	8 9 2 3 4 5 11 1 16 17 4 18 19 10A 10B	A2.3
Metal		A2.4
Metal Sheathing	8 9 2 3 4 5 11 1 10 16 5 X X 10A 10B	A2.7
Metal Plaster	8 9 2 3 4 5 11 1 10 16 5 X X 10A 10B	A2.8
1-HR Metal Sheathing	8 9 2 3 4 5 11 1 16 17 5 18 19 10A 10B	A3.0
1-HR Metal Plaster	8 9 2 3 4 5 11 1 16 17 5 18 19 10A 10B	A3.1
Additional Fire Rating Details and Notes		
Single OCC Bathroom		A3.2
4 Ceiling Plans 1/4" = 1'-0"		Sheet
ARCHITECTURAL CEILING PLANS		
Reflected Ceiling Plans:	24' x 40'	A3.2
	36' x 40'	A3.2
	48' x 40'	A3.2
	8 (2'x4') Recessed Light Fixture	A3.2
	12 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
	12 (2'x4') Recessed Light Fixture	A3.2
	16 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
	16 (2'x4') Recessed Light Fixture	A3.2
	18 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
Ceiling Notes		A3.2.1
3 Ceiling Details 1/4" = 1'-0"		Sheet
ARCHITECTURAL CEILING DETAILS		
Ceiling Framing	Detail	
T-GRID	Wall Joists Access BLK'G	A3.3
Wood	1 2 5 Typ	A3.4
MTL	6 7 10 11	A3.4
7 Roof Plans 1/4" = 1'-0"		Sheet
ARCHITECTURAL ROOF PLANS		
Mono	EPDM Standing Seam Parapet	A4.2.1 A4.0.1 A4.4.1
Dual	EPDM Standing Seam	A4.2.2 A4.0.2
22 Roof Details 1/4" = 1'-0"		Sheet
ARCHITECTURAL ROOF DETAILS		
Mono	EPDM Standing Seam Parapet	A4.3 A4.1 A4.5
Dual	EPDM Standing Seam	A4.3 A4.1
8 Arch Building Section 1/4" = 1'-0"		Sheet
ARCHITECTURAL BUILDING SECTION		
Mono	EPDM Standing Seam	A6.3 A6.0
Dual	EPDM Standing Seam	A6.1 A6.0.1
Section		A6.2

ARCHITECTURAL

13 Exterior Elevations 1/4" = 1'-0"		ARCHITECTURAL EXTERIOR ELEVATIONS		Sheet	
Exterior Elevations:	Detail	Sheet	Detail	Sheet	
24'x40'	Left Right	Front Rear			
Mono Slope	1 2	A5.0	1 2	A5.1	
Parapet Roof - Mono Slope	3 4	A5.0	3 4	A5.1	
Dual Slope	5 6	A5.0	1 2	A5.1	
36'x40'					
Mono Slope	1 2	A5.0	5 6	A5.1	
Parapet Roof - Mono Slope	3 4	A5.0	7 8	A5.1	
Dual Slope	5 6	A5.0	5 6	A5.1	
48'x40'					
Mono Slope	1 2	A5.0	9 10	A5.1	
Parapet Roof - Mono Slope	3 4	A5.0	11 12	A5.1	
Dual Slope	5 6	A5.0	9 10	A5.1	
14 Interior Elevations 1/4" = 1'-0"		ARCHITECTURAL INTERIOR ELEVATIONS		Sheet	
Interior Elevations:	Detail	Sheet			
24'x40'	Left Right Front Rear				
36'x40'	1 2 3 4	A5.2			
48'x40'	1 2 6 7	A5.2			

MEP

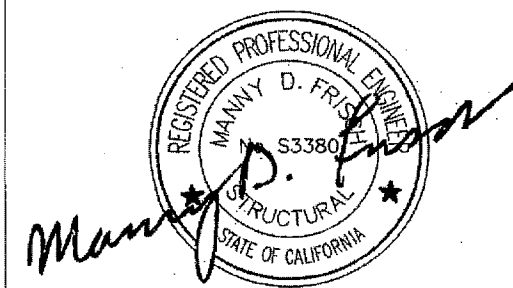
9 Plumbing 1/4" = 1'-0"		PLUMBING		Sheet	
Plumbing Details and Schedules				P1.0	
10 Mechanical 1/4" = 1'-0"		MECHANICAL		Sheet	
Mechanical Plans:	Ceiling Plan	Roof Plan			
24' x 40'	Wall Mount	M5.1	M5.2		
36' x 40'	Roof Mount	M5.1	M5.2		
48' x 40'	Wall Mount	M5.3	M5.4		
	Roof Mount	M5.3	M5.4		
	Wall Mount	M5.6	M5.7		
	Roof Mount	M5.6	M5.7		
11 Electrical 1/4" = 1'-0"		ELECTRICAL		Sheet	
Reflected Ceiling Plans:					
24' x 40'	8 (2'x4') Recessed Light Fixture	E1.0	E1.1		
	12 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light				
36' x 40'	12 (2'x4') Recessed Light Fixture	E1.2	E1.3		
	16 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light				
48' x 40'	16 (2'x4') Recessed Light Fixture	E1.4	E1.5		
	18 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light				
12 Fire Sprinklers Plans 1/4" = 1'-0"		FIRE SPRINKLERS PLANS		Sheet	
Fire Sprinklers Drawings:	Floor Plans				
	Details				

STRUCTURAL

15 Foundations Plans 1/4" = 1'-0"		FOUNDATION		Sheet	
Wood Foundation Plan:					
	24'x40' (50+15 PSF)	F1.11			
	24'x40' (100 PSF)	F1.21			
	24'x40' (150 PSF)	F1.31			
	36'x40' (50+15 PSF)	F1.12			
	36'x40' (100 PSF)	F1.22			
	36'x40' (150 PSF)	F1.32			
	48'x40' (50+15 PSF)	F1.13			
	48'x40' (100 PSF)	F1.23			
	48'x40' (150 PSF)	F1.33			
Concrete Foundation Plan		F2.10			
16 General Structural Sheets 1/4" = 1'-0"		GENERAL STRUCTURAL SHEETS		Sheet	
STRUCTURAL GEN NOTES				S0.1	
17 Floor Framing Plans 1/4" = 1'-0"		STRUCTURAL FLOOR FRAMING PLANS		Sheet	
Wood Sheathing Floor:					
	(50+15 PSF)	S1.01			
	(100 PSF)	S1.02			
	(150 PSF)	S1.03			
Concrete Framing Floor:					
	(50+15 PSF)	S1.11			
	(100 PSF)	S1.12			
	(150 PSF)	S1.13			
19 Floor Framing Details 1/4" = 1'-0"		STRUCTURAL FLOOR FRAMING DETAILS		Sheet	
Wood Framing		S1.2			
Concrete Framing		S1.2			
18 Roof Framing Plans 1/4" = 1'-0"		STRUCTURAL ROOF FRAMING PLANS		Sheet	
Mono Slope Roof Framing		S3.0.1			
Dual Slope Roof Framing		S3.0.2			
20 Wall Framing Details 1/4" = 1'-0"		STRUCTURAL WALL FRAMING DETAILS		Sheet	
Wood:					
	Framing Elevation	S4.1			
	Wall Details	S4.2			
Metal:					
	Framing Elevation	S4.0			
	Wall Details	S4.3			
Typ Framing:		S4.4			
Framing Schedule:		S4.5			
21 Building Section 1/4" = 1'-0"		STRUCTURAL BUILDING SECTION		Sheet	
Mono		S5.0			
Dual		S5.1			



PROFESSIONAL STAMP

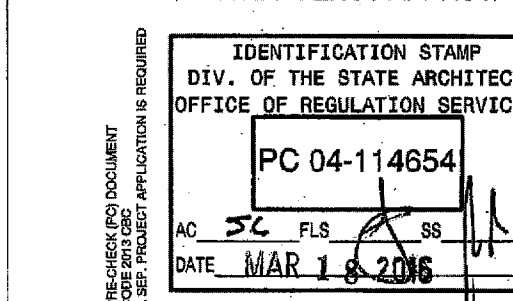


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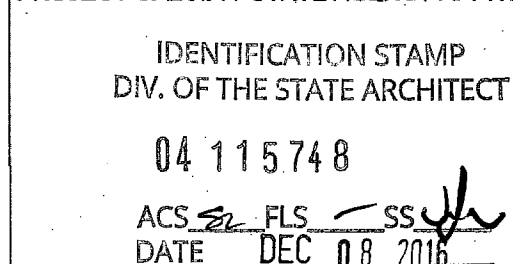


ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
PROJECT OPTIONS
SCHEDULE

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

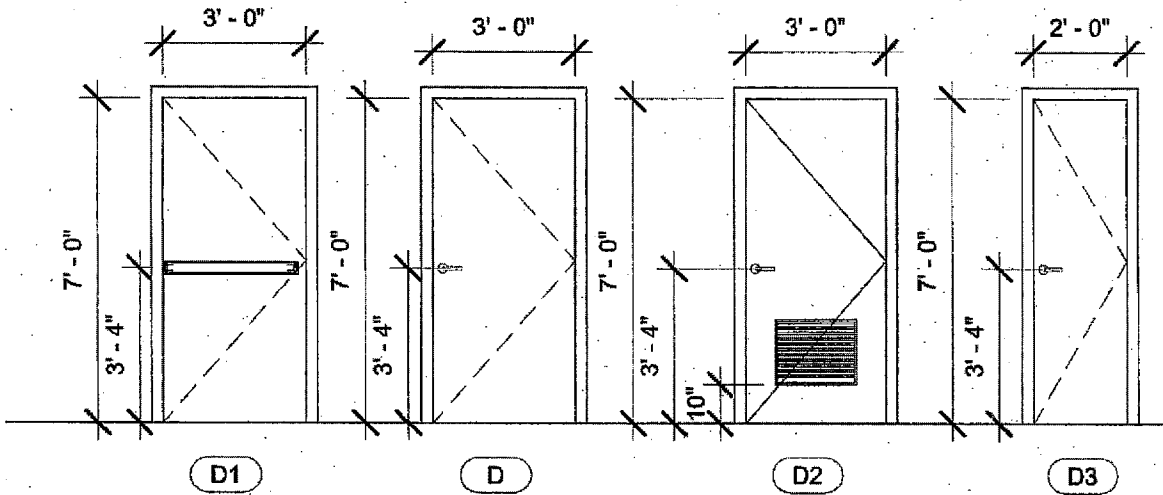
DATE
2016/03/02

SHEET NO.
A0.0.1

SHEET OF SHEETS

ADDENDUM

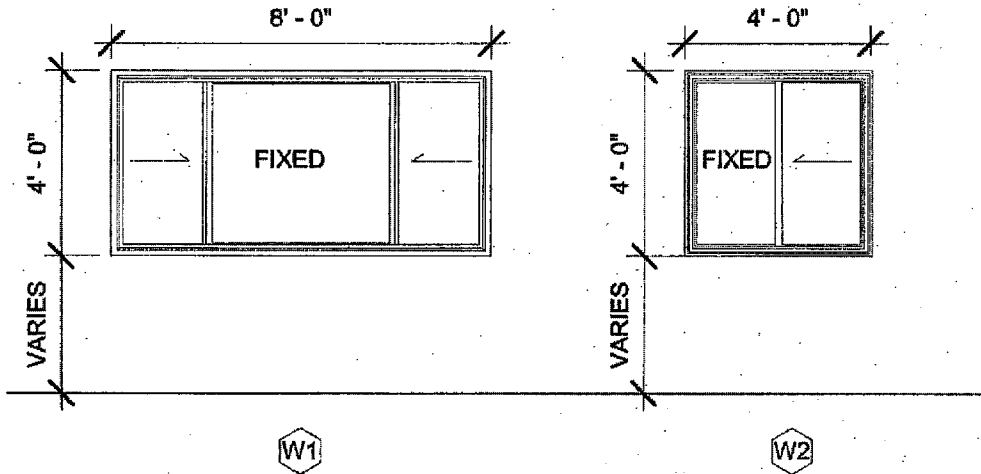
Door Schedule							
Mark	Type	Width	Height	Door Material	Frame Type	Wall Thickness	Hardware
1	D1	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	5 1/4"	HW1
2	D	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	5 1/4"	HW2
3	D	3'-0"	7'-0"	Solid Core Wood Legacy	Knock Down	5 1/2"	HW3
4	D2	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	4 7/8"	HW4
5	D2	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	4 7/8"	HW5
6	D3	2'-0"	7'-0"	18GA Hollow Metal	Knock Down	4 1/8"	HW6



- ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)
- CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.
- PER CBC 1008.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.
- PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.
- PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS OR LESS.
- THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.
- DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
- (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.
- PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1011. SEE DETAILS PER A0.2

9 1/4" = 1'-0" Doors

Window Schedule						
Mark	Type	Height x Width	Function	Type Comments	Glazing	Wall Thickness
A	W1	4'-0" x 8'-0"	XOX	Clear Anodized Alum. Frame	*DP	
B	W2	4'-0" x 4'-0"	XO	Clear Anodized Alum. Frame	*DP	



WINDOW LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

WINDOW - 3/4" INSULATING GLASS UNIT PERFORMANCE
U-VALUE: 0.35
SHGC: 0.24
VT: 0.5

8 1/4" = 1'-0" Windows

HARDWARE SCHEDULE

1. CLASSROOM:

LOCKSET	SCHLAGE ND75PDRH0626 (cylindrical)	Finish 28D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D or equal
CLOSER	NORTON 8501 BFDA STRIP	Finish Alum or equal
WEATHER STRIP	HAGER 413SAV 3884	Finish Alum or equal
THRESHOLD	HAGER 413SAV 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE.

2. PANIC HARDWARE (PH):

EXIT DEVICE	VON DUPRIN AX99L-2-PA w/ SCHLAGE RIM (cylindrical)	Finish Alum or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D or equal
CLOSER	NORTON 8501 BFDA	Finish Alum or equal
WEATHER STRIP	HAGER 413SAV 3884	Finish Alum or equal
THRESHOLD	HAGER 413SAV 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

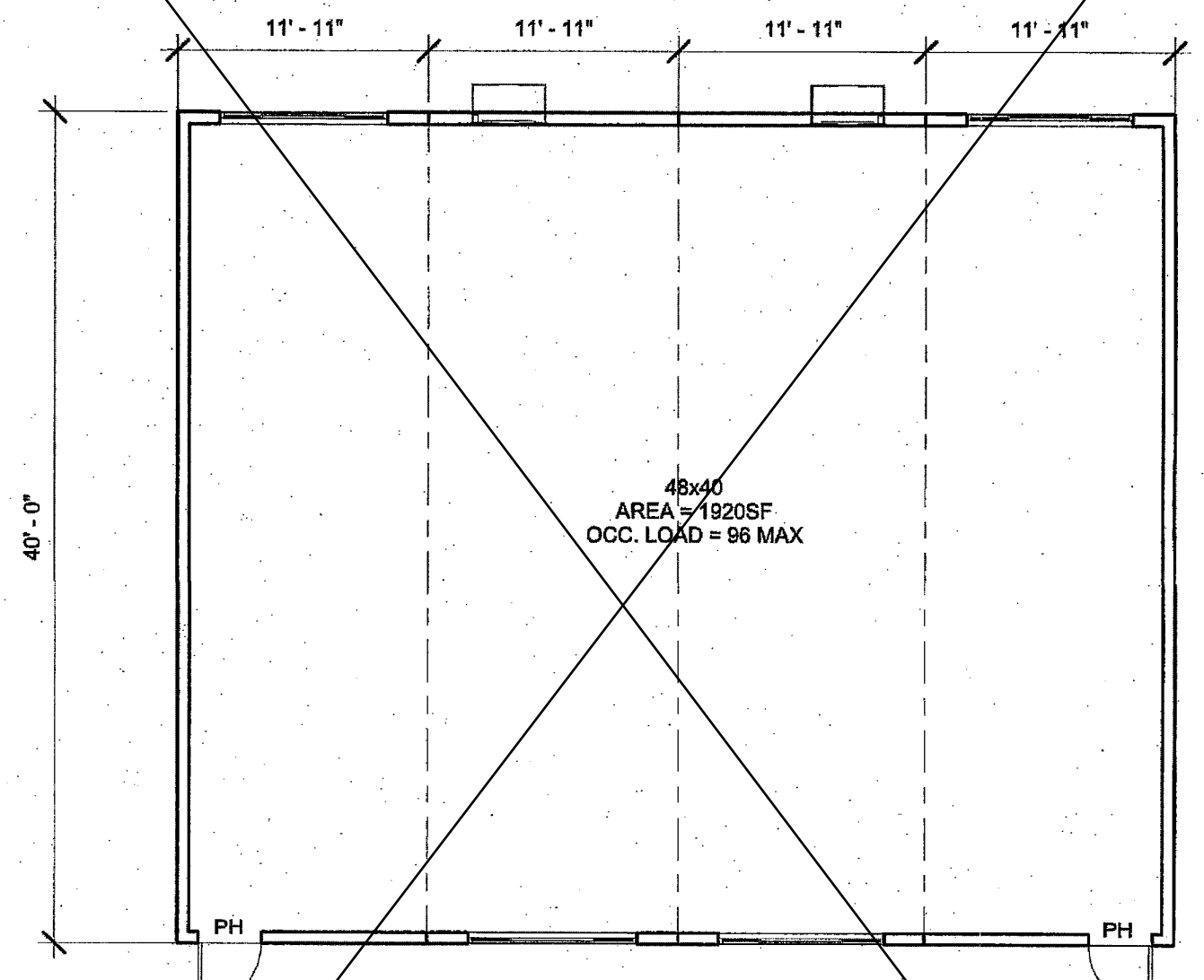
NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE.

3. SINGLE-OCCUPANCY:

LOCKSET	SCHLAGE ND40SRH0626 (cylindrical)	Finish 28D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 28D or equal

Tall Mfg Cross Reference DSA Finish Hardware Schedule Per Print 15046 Page A0.1					Tall Mfg Equal to Original Part Specification	
DSA Original Description		Alt	Mfg	Equal Mfg	Alt Manufacturer	
1.60 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.62 EXIT DEVICE (PA-2) (200)						
Each	EXIT DEVICE (PA-2) (Exit Device) (200)	HA	HAGER	See Mfg	AX99L-2-PA	
1.64 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.66 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.68 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.70 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.72 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.74 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.76 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.78 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.80 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.82 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.84 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.86 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.88 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.90 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.92 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.94 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.96 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.98 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	
1.100 LOCKSET (CYLINDRICAL) (600)						
Each	LOCKSET W/DOORHANDLE (CYLINDRICAL) (600)	RL	SCHLAGE	See Mfg	LC121100TTL 260 234 A LOCKSET WITH INTERIOR ASSURON, Round Bolt Style	
Each	BUTTS (801191 4 1/2" x 4 1/2" NRP) (200)	HA	HAGER	See Mfg	801191 4 1/2" x 4 1/2" NRP	
Each	CLOSER (8501 BFDA STRIP) (200)	HA	HAGER	See Mfg	8501 BFDA STRIP	
Each	WEATHER STRIP (413SAV 3884) (ALUM)	HA	HAGER	See Mfg	413SAV 3884	
Each	THRESHOLD (413SAV 36) (1 1/2" x 4 1/2" THRESHOLD)	HA	HAGER	See Mfg	413SAV 36	
Each	DOOR BOTTOM (783SAV 35N) (ALUM)	HA	HAGER	See Mfg	783SAV 35N	

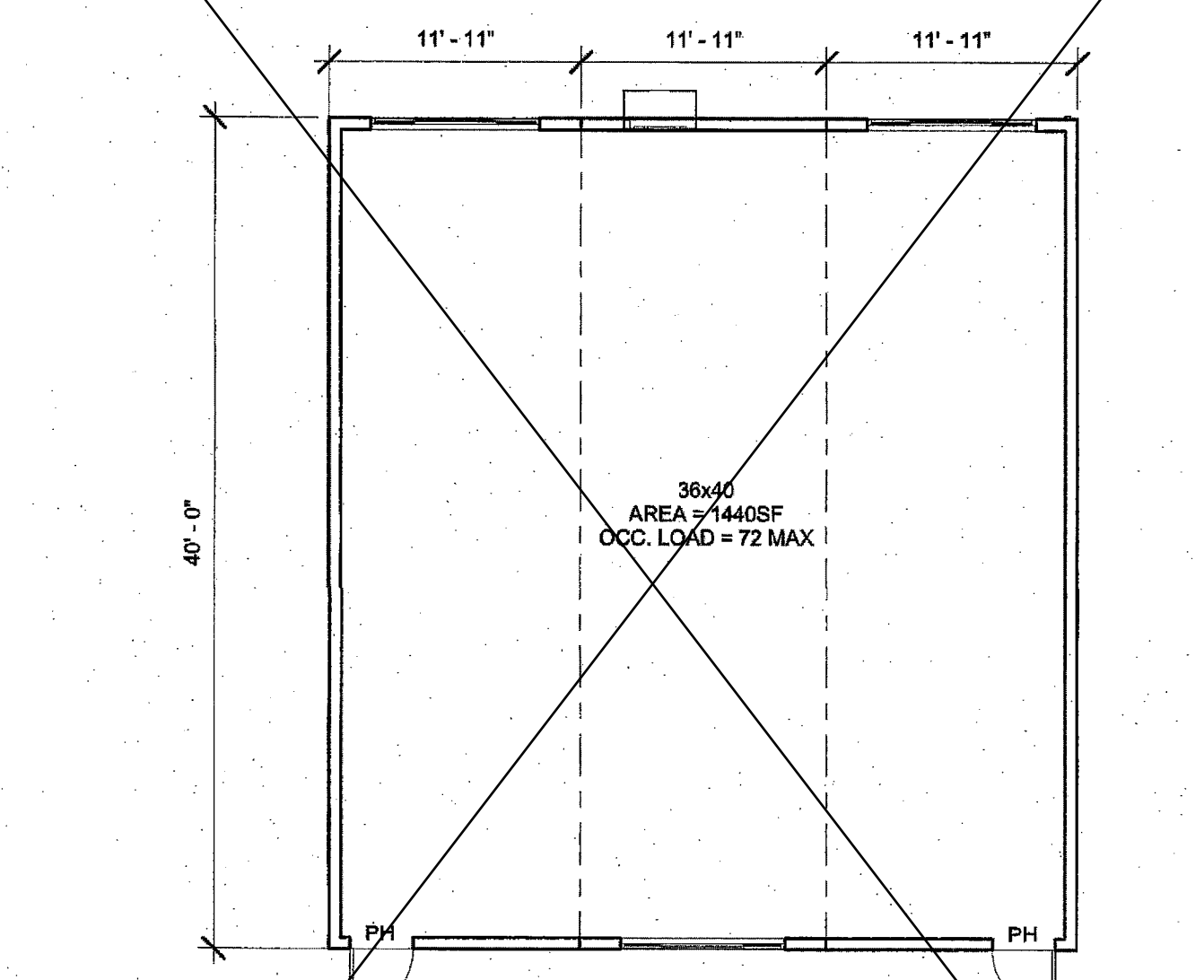
7 1/4" = 1'-0" Door Hardware



INTERIOR PARTITION MAY BE ADDED AND LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS. SEE GENERAL NOTES THIS SHEET

6 1/8" = 1'-0" 48x40 (Total Area 1920sf)

5 1/4" = 1'-0" Finishes and Materials



INTERIOR PARTITION MAY BE ADDED AND LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS. SEE GENERAL NOTES THIS SHEET

4 1/8" = 1'-0" 36x40 (Total Area 1440sf)

Finish Schedule									
Room Number	Flooring		Wall Finish			Ceiling		Notes	
	Floor	Base	Front	Left	Right	Type	Ht.		
CLASSROOM	Carp.	4" TS	Tack	Tack	Tack	CP	8'-6"		
CLASSROOM w/ PH	Carp.	4" TS	Tack	Tack	Tack	CP	8'-6"		
SINGLE OCC.	SV	6" TS	FRP	FRP	FRP	CP	8'-0"		
SINGLE OCC.	SV	SC	FRP	FRP	FRP	GBP	8'-0"		

Abbreviations:

<u>FLOORING</u>	CARP:	CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1 OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
	SV:	SHEET VINYL FLOORING
	VCT:	VINYL COMPOSITION TILE
<u>BASE</u>	4" TS:	4" TOP SET BASE
	6" TS:	6" TOP SET BASE
<u>WALLS</u>	TACK:	1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
	FRP:	1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
	GYP:	1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
	PLY:	1/2" PLYWOOD FINISH
	NF:	NO FINISH SC; 6" SELF-COVE BASE
<u>CEILING</u>	CP:	ACOUSTICAL LAY IN GRID CEILING PANELS
	GB:	5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
	HC:	1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

Advisory 1008.4.2 Clear Floor or Ground Space. Clear floor or ground spaces, turning spaces, and accessible routes are permitted to overlap within play areas. A specific location has not been designated for the clear floor or ground spaces or turning spaces, except swings, because each play component may require that the spaces be placed in a unique location. Where play components include a seat or entry point, designs that provide for an unobstructed transfer from a wheelchair or other mobility device are recommended. This will enhance the ability of children with disabilities to independently use the play component.

When designing play components with manipulative or interactive features, consider appropriate reach ranges for children seated in wheelchairs. The following table provides guidance on reach ranges for children seated in wheelchairs. These dimensions apply to either forward or side reaches. The reach ranges are appropriate for use with those play components that children seated in wheelchairs may access and reach. Where transfer systems provide access to elevated play components, the reach ranges are not appropriate.

Children's Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "T".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "T".

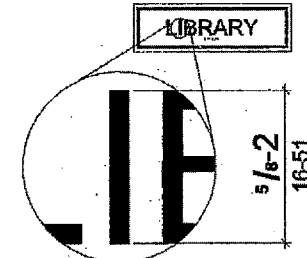


Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

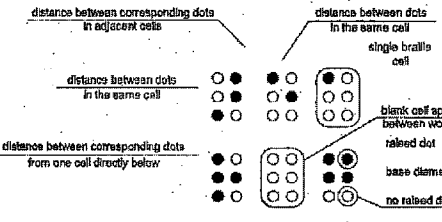


Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.



Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

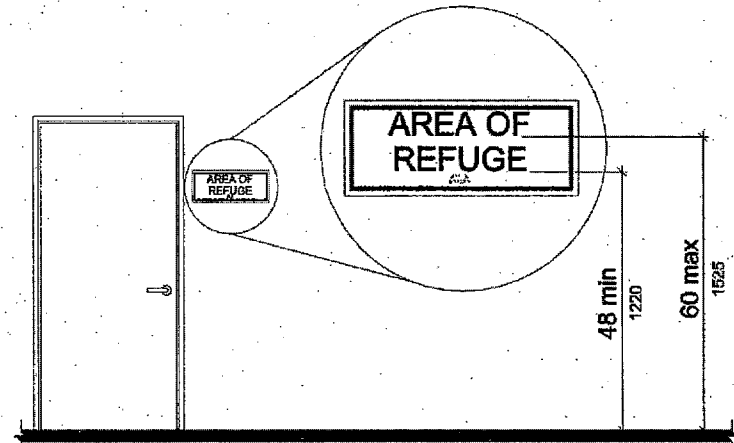


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

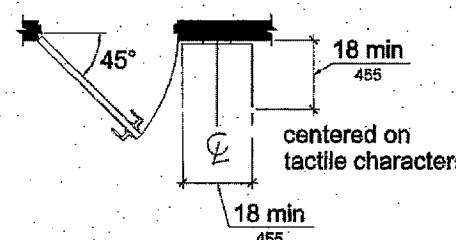


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "T".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "T".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

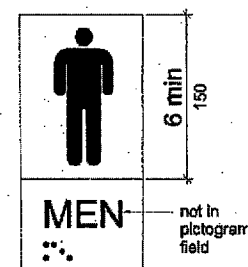
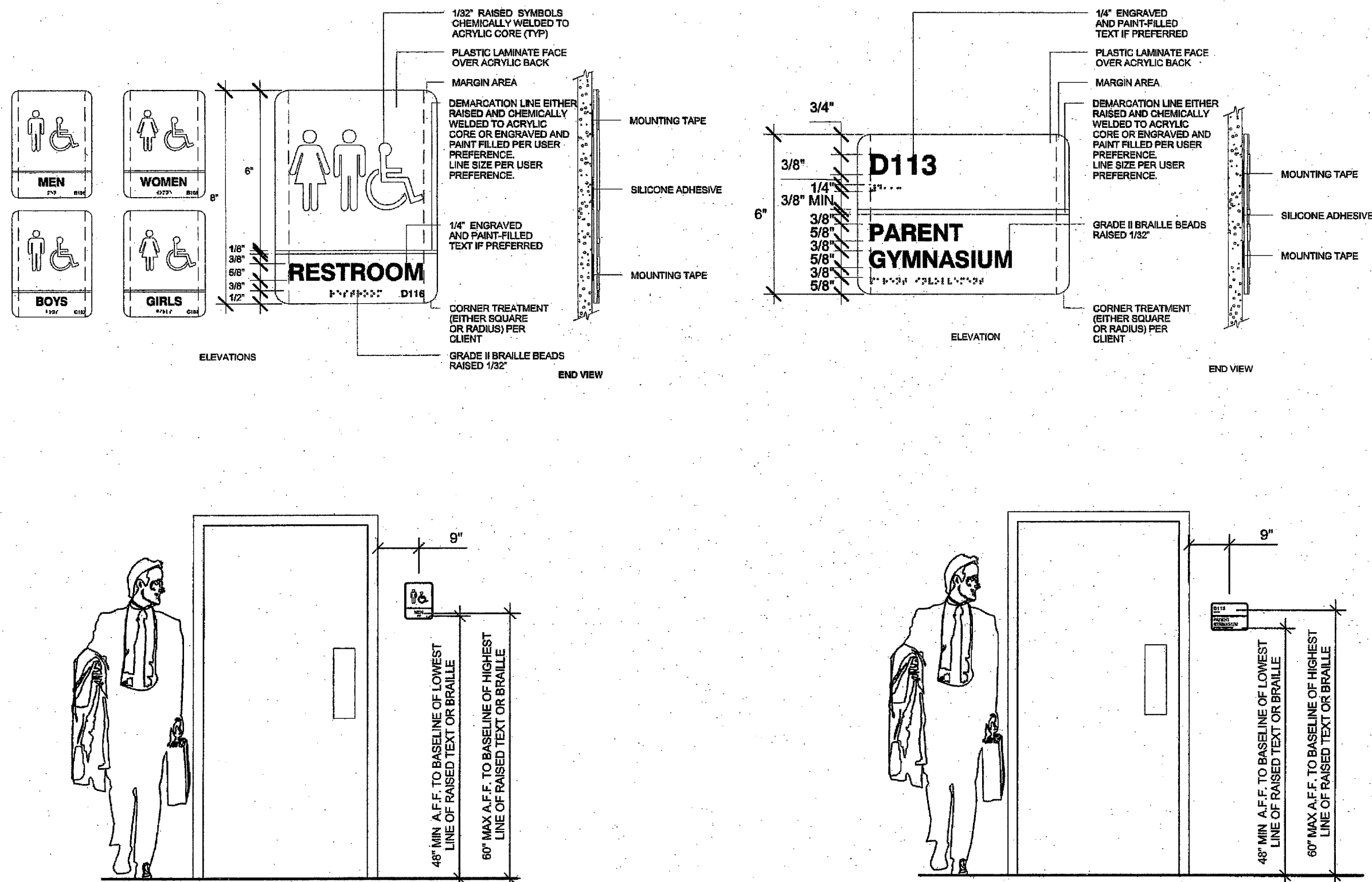


Figure 703.6.1 Pictogram Field dark-on-light.

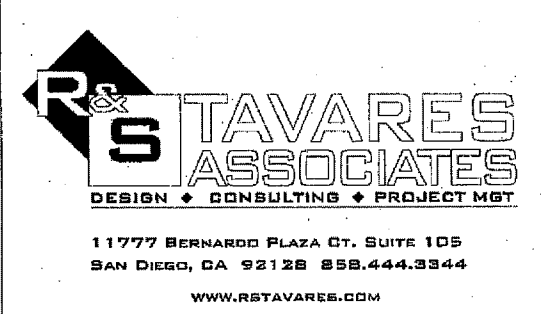
NOT IN USE

5 1/4" = 1'-0"
Sign Notes



3 1/4" = 1'-0"
Signage and Notes

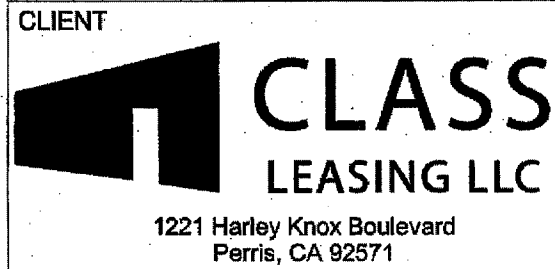
1 6" = 1'-0"
Symbols



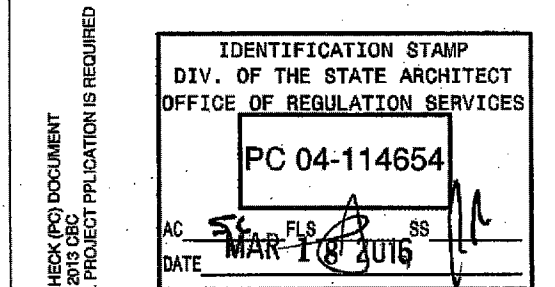
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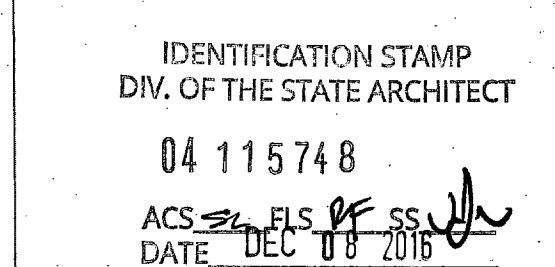
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
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SHEET TITLE

SIGNAGE AND
SYMBOLS

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JAV/RT

DATE

2016/03/02

SHEET NO.

A0.2

SHEET OF SHEETS

ADDENDUM

[illegible]

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING

2 6" = 1'-0"
DSA-103 CONCRETE FLOOR (Stockpile)

DSA DEPARTMENT OF STRUCTURAL INSPECTIONS UNIVERSITY OF CALIFORNIA, BERKELEY		DSA-103 Rev 12/2019	INCH POUND # Application No.:
Statement of Structural Tests & Special Inspections - 2013 CBC		Date Submitted:	Revised: Revised:
Subject Name	District	City	Inspector
IMPORTANT: This form is only a summary list of structural tests and special inspections and is not a contract. The tests and special inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all tests of construction, including but not limited to, special inspections not listed on this form. Visual and load testing, high-load report discharges, cold-formed steel framing, envelopes of non-structural components, etc., per Title 24, Part 2, Chapter 17. NOTE: You must also available for project submittals for review under the 2007 and 2010 CBC.			
INSTRUCTIONS: Check a plus sign (+) before any category or subcategory in reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other inputs. A shaded box can be checked indicating your selection of test list. Note: A minus (-) on a category or subcategory heading indicates that it can be dropped. However, any subcategory you may have made will be checked. Click on the "COUNT" of bulleted tests to indicate how many of the tests listed selected. For more information on use of this form, see DSA-103-INSTR.			
Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.			
TEST OR SPECIAL INSPECTION	TEST	PERIODIC	CODE REFERENCE AND NOTES
SOILS			
1. GENERAL:			
a. Verify that all proposed properly prior to placement of concrete fill and excavation for foundations. b. Foundation excavations are extended to proper depth and have retained proper material, and c. Retention below fillings are adequate to achieve the design bearing capacity.		Table T1060.6	Periodic GE¹ "By geotechnical engineer or his or her qualified representative."
2. COMPACTED FILLS:			
a. Perform qualification testing of fill materials.		Test Lab² "Under the supervision of the geotechnical engineer."	Table T1060.9
b. Verify use of proper materials and inspect fill thicknesses, placement, and completion during placement of fill.		Continuous GE¹ "By geotechnical engineer or his or her qualified representative."	Table T1060.7
c. Test compaction of fill.		Test Lab² "Under the supervision of the geotechnical engineer."	Table T1060.7
3. DRIVEN DEEP FOUNDATIONS (PILES):			
a. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):		Table T1060.7	Table T1060.7
4. RETAINING WALLS:			
5. OTHER SOILS:			
CONCRETE			
7. CAST IN PLACE CONCRETE			
Material Verification and Testing:			
a. Verify use of required design mix.		Periodic SI & PP¹ "To be performed by batch-plant special inspector and project inspector."	Table T1063.1 (1013.2.1), ASTM A370, DSA 17-3
b. Test reinforcing steel.		Test Lab	Table T1063.1 (1013.2.1), ASTM A370, DSA 17-3
c. Perform slump, temperature, and (where required) air content tests.		Test Lab	ASTM C172, ASTM C31
d. Concrete (compression) inspection.		Test Lab	ACI 213R Section 8.8 and 1080A-1.2 (1013.3.1), ASTM C31
8. BATCH PLANT INSPECTION			
a. Batch plant inspection - design compliance with 1706A.3.3 item 2.		Continuous SI	1706A.3.2 - If approved by DSA, batch plant inspection may be reduced to periodic; if plant complies with 1706A.3.3, item 1, and requires batch batch inspection, weighmaster, and batch tickets.
b. Inspect placement of formwork, reinforcing steel, embedded bars and concrete. (Inspect during and form removal).		Periodic SI	1706A.3.3, item 2. Receiver from batch inspection, weighmaster, and batch tickets.
c. Verify concrete strength.		Continuous PP¹ "May be performed by a special inspector when specifically approved by DSA."	Table T1063.1 (1013.2.1), ASTM A370, DSA 17-3
d. Verify in-place concrete strength prior to removal of shores and formwork from beams and structural walls.		N/A PP¹ "Project inspector to verify concrete strength test reports prior to removal of shores or formwork."	Table T1063.1 (1013.2.1), ASTM A370, DSA 17-3
9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):			
11. POST-INSTALL ANCHORS:			
a. Inspection of post-installed anchors.		Continuous SI	Table T1063.1 "May be performed by the project inspector when specifically approved by DSA."
b. Test post-installed anchors.		Test Lab	1913A.72 (1913.2.1)"
12. OTHER CONCRETE			
MASONRY			
STEEL			
17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
Material Verification:			
a. Verify that all materials are appropriately marked and cut. b. Mill certificates indicate material properties that comply with requirements. c. Material data, logs and design comply with requirements.		Periodic	"By special inspector when performed off-site; by project inspector for steel shipped directly to project without welding or fabrication."
d. Test unperfected materials.		Test Lab	2082A.1 (2082.1), ASTM A370
e. Common section review of structural beams and girders inspection.		Periodic SI	DSA 17-3
f. Verify member locations, bracing and all details constructed in the field.		Continuous SI	DSA 17-3
g. Inspect weld locations, connection labels and locations and all connections (field) detailed in the shop.		Periodic SI	DSA 17-3
18. HIGH STRENGTH BOLTS:			
19. WELDING:			
Verification of Materials, Equipment, Welders, etc:			
a. Verify weld field material identification markings per AWS designation listed on the DSA approved documents and the WPS.		Periodic SI	DSA 17-3
b. Verify weld field material manufacturer's certificate of compliance.		Periodic SI	DSA 17-3
c. Verify weld field material manufacturer's certificate of compliance.		Periodic SI	DSA 17-3
19.1 SHOR WELDING:			
a. Inspect grooves, multi-passes, and fillet welds > 5/16"		Continuous SI	Per AWS 360 and AWS 341 as applicable, DSA 17-3
b. Inspect single-pass fillet welds > 5/16"		Periodic SI	Per AWS 360 and AWS 341 as applicable, DSA 17-3
c. Inspect welding of plates and girders		Periodic SI	Per AWS

* SOILS ITEMS 1.GENERAL-A AND 2. COMPACTED FILL-A,B,C
ARE ONLY APPLICABLE AS REQUIRED BY SITE SPECIFIC GEOTECHNICAL REPORT

** CONCRETE ITEM 11.POST INSTALLED ACHORS-A,B
ARE ONLY APPLICABLE IF DETAILS 3 / F.22.2 AND 5 / F.22.2 POST-INSTALLED ANCHOR OPTION IS USED

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6" = 1'-0"
DSA-103 CONCRETE FLOOR (Concrete Foundation)

PROFESSIONAL STAMP



3/02/2016

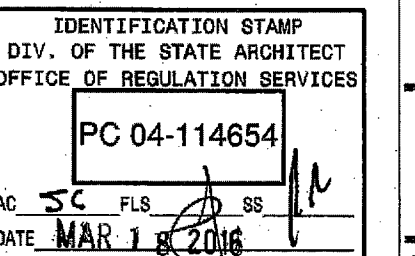
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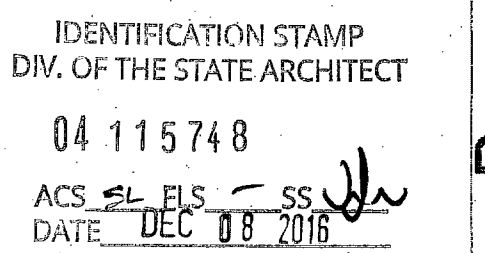
221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL 

Revision Schedule		
#	Description	Date

SHEET TITLE
DSA-103 T&I
CONCRETE
FLOORS

PROJECT NUMBER

5046

DRAWN BY

rMc/SM

CHECKED BY _____

JA/RT

DATE _____

016/03/02

SHEET NO.

A0.3

SHEET OF SHEETS

ADDENDUM


DSA-103
Statement of Structural Tests & Special Inspections - 2013 CBC

 INCREMENT # _____ DSA File No.: _____
 Application No.: _____
 Date Submitted: _____ Revised: _____
 By: _____

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

TEST OR SPECIAL INSPECTION	TYPE	PERIODICITY	CODE REFERENCE AND NOTES
* SOILS			
* CONCRETE			Table 1705A.3
* MASONRY			TMS 402-11AACI 530-11/ASCE 5-11 Table 1.10.3
* STEEL			Table 1705A.2.1
17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
a. Material Verification:			
X Verify that all materials are appropriately marked and that:			
X All certificates indicate material properties that comply with requirements.	Periodic	SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X Material signs, tags and stamps comply with requirements.	Test	Lab	2209A.4 (2209.1.1), ASTM A370
X Test unidentified materials.	Periodic	SI	* DSA IR 17-3.
X Examine seam welds of structural tubes and pipes.	Periodic	SI	
Inspection:			
X Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X Verify member locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
18. HIGH STRENGTH BOLTS:			
19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.6 (AWS D1.3 for cold formed steel).
a. Verification of Materials, Equipment, Welders, etc:			
X Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X Verify weld filler material manufacturer's certificate of conformance.	Periodic	SI	
X Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
19.1. SHOP WELDING:			
X Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect single-pass fillet welds < 5/16"	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of plates and gusset systems.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Verification of reinforcing steel weldability.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of reinforcing steel.	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
19.2. FIELD WELDING:			
X Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect single-pass fillet welds < 5/16"	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect and weld-out studs (ASTM A-108) installation (including bend test).	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect floor and roof deck welds.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of structural cold-formed steel.	Periodic	SI	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
X Inspect welding of plates and gusset systems.	Periodic	SI	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
X Verification of reinforcing steel weldability.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of reinforcing steel.	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
20. NONDESTRUCTIVE TESTING:			
X Ultrasonic.	Test	Lab	ASCE 341, App. C 5.2, AWS D1.1, D1.6, ANSI/ASTM CP-109, SNT-TC-1A - ASTM E643, E1444.
X Magnetic Particle.	Test	Lab	E164 - DSA IR 17-2.
21. STEEL JOISTS AND TRUSSES:			
22. SPRAY APPLIED FIRE-PROOFING:			
23. OTHER STEEL:			
X High Strength Threaded Rod.	Test	Lab	2212A.1 May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X Shop Welding of Cold Form Steel.	Periodic	SI	
X Shop Welding of Steel-Built-Up Members.	Periodic	SI	
* WOOD			
* OTHER			

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DSA-103
Statement of Structural Tests & Special Inspections - 2013 CBC

 INCREMENT # _____ DSA File No.: _____
 Application No.: _____
 Date Submitted: _____ Revised: _____
 By: _____

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

TEST OR SPECIAL INSPECTION	TYPE	PERIODICITY	CODE REFERENCE AND NOTES
* SOILS			
1. GENERAL:			Table 1705A.3
X Verify that all materials are appropriately marked and that:			
X All certificates indicate material properties that comply with requirements.	Periodic	SI	* By geotechnical engineer or his or her qualified representative.
X Material signs, tags and stamps comply with requirements.	Test	Lab	2209A.4 (2209.1.1), ASTM A370
X Test unidentified materials.	Periodic	SI	* DSA IR 17-3.
X Examine seam welds of structural tubes and pipes.	Periodic	SI	
Inspection:			
X Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X Verify member locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
2. COMPACTED FILL:			
X Perform compaction testing of fill materials.	Test	Lab	* Under the supervision of the geotechnical engineer.
X Verify use of proper materials and inspect fill thickness, placement, and compaction during placement of fill.	Continuous	SI	* By geotechnical engineer or his or her qualified representative.
X Test compaction of fill.	Test	Lab	* Under the supervision of the geotechnical engineer.
3. DRIVEN PILE FOUNDATIONS (PILES):			Table 1705A.7
4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			Table 1705A.7
5. RETAINING WALLS:			
6. OTHER SOILS:			
CONCRETE			Table 1705A.3
7. CAST IN PLACE CONCRETE			
a. Material Verification and Testing:			
X Verify that all materials are appropriately marked and that:			
X All certificates indicate material properties that comply with requirements.	Periodic	SI	* To be performed by batch-plant special inspector and project inspector.
X Material signs, tags and stamps comply with requirements.	Test	Lab	2209A.4 (2209.1.1), ASTM A370, DSA IR 17-10
X Test unidentified materials.	Periodic	SI	* DSA IR 17-3.
X Examine seam welds of structural tubes and pipes.	Periodic	SI	
Inspection:			
X Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X Verify member locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):			
11. POST-INSTALLED ANCHORS:			
X Inspect installation of post-installed anchors.	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X Test post-installed anchors.	Test	Lab	1912A.1 (1912.2.1.1)
12. OTHER CONCRETE:			
MASONRY			TMS 402-11AACI 530-11/ASCE 5-11 Table 1.10.3
STEEL			Table 1705A.2.1
17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
a. Material Verification:			
X Verify that all materials are appropriately marked and that:			
X All certificates indicate material properties that comply with requirements.	Periodic	SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X Material signs, tags and stamps comply with requirements.	Test	Lab	2209A.4 (2209.1.1), ASTM A370
X Test unidentified materials.	Periodic	SI	* DSA IR 17-3.
X Examine seam welds of structural tubes and pipes.	Periodic	SI	
Inspection:			
X Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X Verify member locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
18. HIGH STRENGTH BOLTS:			
19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.6 (AWS D1.3 for cold formed steel).
a. Verification of Materials, Equipment, Welders, etc:			
X Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X Verify weld filler material manufacturer's certificate of conformance.	Periodic	SI	
X Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
19.1. SHOP WELDING:			
X Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect single-pass fillet welds < 5/16"	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of plates and gusset systems.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Verification of reinforcing steel weldability.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of reinforcing steel.	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
19.2. FIELD WELDING:			
X Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect single-pass fillet welds < 5/16"	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect and weld-out studs (ASTM A-108) installation (including bend test).	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect floor and roof deck welds.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of structural cold-formed steel.	Periodic	SI	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
X Inspect welding of plates and gusset systems.	Periodic	SI	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
X Verification of reinforcing steel weldability.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of reinforcing steel.	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
20. NONDESTRUCTIVE TESTING:			
X Ultrasonic.	Test	Lab	ASCE 341, App. C 5.2, AWS D1.1, D1.6, ANSI/ASTM CP-109, SNT-TC-1A - ASTM E643, E1444.
X Magnetic Particle.	Test	Lab	E164 - DSA IR 17-2.
21. STEEL JOISTS AND TRUSSES:			
22. SPRAY APPLIED FIRE-PROOFING:			
23. OTHER STEEL:			
X High Strength Threaded Rod.	Test	Lab	2212A.1 May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X Shop Welding of Cold Form Steel.	Periodic	SI	
X Shop Welding of Steel-Built-Up Members.	Periodic	SI	
* WOOD			
* OTHER			

* SOILS ITEMS 1.GENERAL-A AND 2. COMPACTED FILL-A,B,C ARE ONLY APPLICABLE AS REQUIRED BY SITE SPECIFIC GEOTECHNICAL REPORT

** CONCRETE ITEM 11.POST INSTALLED ANCHORS-A,B ARE ONLY APPLICABLE IF DETAILS 3/F2.22 AND 5/F2.22 POST-INSTALLED ANCHOR OPTION IS USED

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DSA-103
Statement of Structural Tests & Special Inspections - 2013 CBC

 INCREMENT # _____ DSA File No.: _____
 Application No.: _____
 Date Submitted: _____ Revised: _____
 By: _____

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

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TEST OR SPECIAL INSPECTION	TYPE	PERIODICITY	CODE REFERENCE AND NOTES
* SOILS			
* CONCRETE			Table 1705A.3
* MASONRY			TMS 402-11AACI 530-11/ASCE 5-11 Table 1.10.3
* STEEL			Table 1705A.2.1
17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
a. Material Verification:			
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X All certificates indicate material properties that comply with requirements.	Periodic	SI	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X Material signs, tags and stamps comply with requirements.	Test	Lab	2209A.4 (2209.1.1), ASTM A370
X Test unidentified materials.	Periodic	SI	* DSA IR 17-3.
X Examine seam welds of structural tubes and pipes.	Periodic	SI	
Inspection:			
X Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X Verify member locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
18. HIGH STRENGTH BOLTS:			
19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.6 (AWS D1.3 for cold formed steel).
a. Verification of Materials, Equipment, Welders, etc:			
X Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X Verify weld filler material manufacturer's certificate of conformance.	Periodic	SI	
X Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
19.1. SHOP WELDING:			
X Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect single-pass fillet welds < 5/16"	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of plates and gusset systems.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Verification of reinforcing steel weldability.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of reinforcing steel.	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
19.2. FIELD WELDING:			
X Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect single-pass fillet welds < 5/16"	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect and weld-out studs (ASTM A-108) installation (including bend test).	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect floor and roof deck welds.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of structural cold-formed steel.	Periodic	SI	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
X Inspect welding of plates and gusset systems.	Periodic	SI	* May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
X Verification of reinforcing steel weldability.	Periodic	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
X Inspect welding of reinforcing steel.	Continuous	SI	Per AWS 360 (and AWS 341 as applicable), DSA IR 17-3.
20. NONDESTRUCTIVE TESTING:			
X Ultrasonic.	Test	Lab	ASCE 341, App. C 5.2, AWS D1.1, D1.6, ANSI/ASTM CP-109, SNT-TC-1A - ASTM E643, E1444.
X Magnetic Particle.	Test	Lab	E164 - DSA IR 17-2.
21. STEEL JOISTS AND TRUSSES:			
22. SPRAY APPLIED FIRE-PROOFING:			
23. OTHER STEEL:			
X High Strength Threaded Rod.	Test	Lab	2212A.1 May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X Shop Welding of Cold Form Steel.	Periodic	SI	
X Shop Welding of Steel-Built-Up Members.	Periodic	SI	
* WOOD			
* OTHER			

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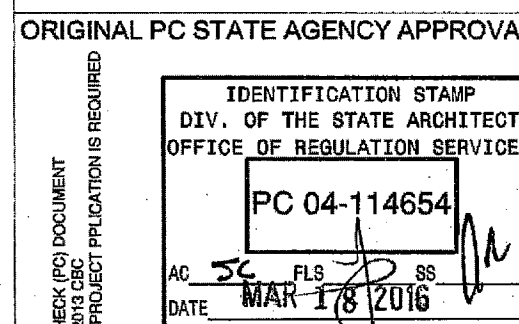


PROFESSIONAL STAMP



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CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571



PROJECT TITLE
24' x 40' EXPANDABLE TO 48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
04 115748
 ACS, FLS, SS
 DATE DEC 8 2016

Revision Schedule
 # Description Date

SHEET TITLE
**DSA-103 T&I
 PLYWOOD FLOORS**

PROJECT NUMBER
15046</

C:\Users\Sarah\Documents\15046 - Aris_24x40 PC - MainFile_Sarah.rvt 3/15/2016 8:55:25 AM

UL U419 OR UL U465 (OR EQ) BE BE USED FOR INT. STC RATING. WOOD STUD MAY BE USED ILO OF MTL STUD

	Fire Test: UL U419 or MEA 81-98-M Steel Stud (Non-loadbearing) Interior Partitions Sound Test: RAL-TL11-125	Fire Rating: 1 hr.	STC: 40	Thickness (in.): 4-7/8"	• Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) • Steel Studs - 3-5/8 in. wide min. 25 gauge steel studs @ max 24 in. OC - 362S125-18 • Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) Visit U419
	Fire Test: UL U465 Steel Stud (Non-loadbearing) Interior Partitions Sound Test: RAL-TL11-125	Fire Rating: 1 hr.	STC: 40	Thickness (in.): 4-7/8"	• Gypsum Board - 5/8 in. thick board, applied vertically, attached to studs with 1 in. long, Type S-12 screws, spaced 8 in. OC along the edges and 12 in. OC of the board - SHEETROCK Brand FIRECODE Core (Type X) • Steel Studs - 3-5/8 in. wide min. 25 gauge steel. Attached to floor and ceiling with fasteners, 24 in. OC - 362S125-18 • Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) Visit U465

UL U457 (OR EQ) BE BE USED FOR EXT. STC RATING . WOOD STUD MAY BE USED ILO OF MTL STUD

	Fire Test: UL U457 Steel Stud (Non-loadbearing) Interior Partitions Sound Test: USG-840222	Fire Rating: 1 hr.	STC: 50	Thickness (in.): 4-3/4"	• Cement Board - 1/2" thick board, square edge - DURECK Brand Cement Board Next Gen • Steel Studs - 3-5/8 in. wide by 1-1/4 in. deep, min. 20 gauge steel, max 16 in. OC - 362S125-30 • Batts and Blankets - 3 in. mineral wool batt insulation • Gypsum Board - 5/8 in. thick gypsum board applied vertically - SHEETROCK Brand FIRECODE Core (Type X) Visit U457 U457
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ACOUSTIC CONTROL- When the Pre-check building is site adapted, the building and site features need to comply with the CALGreen Code, Section 5.507.4 for the specific site location, and when PC building is place adjacent to another PC building, the adjoining wall section for interior sound transmission must meet the minimum requirement of a STC rating of 40 (per 2013 CALGreen Code, Section 507.4.3).

1 12" = 1'-0" SITE ADOPTION (CAL GREEN AND ENERGY)



PROFESSIONAL STAMP

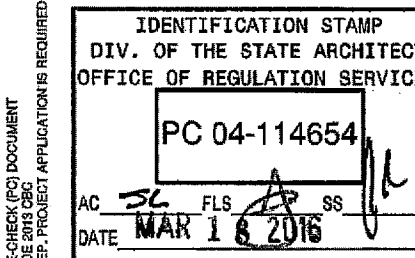


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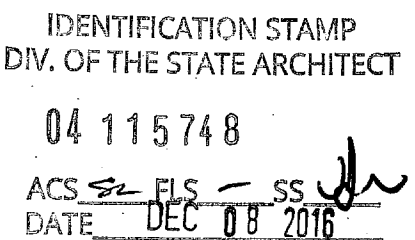
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

Description Date

SHEET TITLE

CALGREEN SPEC'S

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

SHEET NO.

A0.5

SHEET OF SHEETS

ADDENDUM

INSPECTOR SIGNOFF

CHAPTER 3 GREEN BUILDING

SECTION 301 GENERAL

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

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC] The provisions of individual sections of Chapter 3 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of \$200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

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

SECTION 302 MIXED OCCUPANCY BUILDINGS

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

ABBREVIATION DEFINITIONS:

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

CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

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

SECTION 5.102 DEFINITIONS

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

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candle per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 60 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES. Eligible vehicles are limited to the following:

- Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or OBD fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962.
- High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the non-profit work-related transportation of adults for the purpose of ride-sharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER PREVENTION. Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

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

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

- Soil loss BMP that should be considered for each project include, but are not limited to, the following:
 - Scheduling construction activity.
 - Preservation of natural features, vegetation and soil.
 - Drainage swales or lined ditches to control stormwater flow.
 - Mulching or hydroseeding to stabilize disturbed soils.
 - Erosion control to protect slopes.
 - Protection of storm drain inlets (gravel bags or catch basin inserts).
 - Perimeter sediment control (perimeter silt fence, fiber rolls).
 - Sediment trap or sediment basin to retain sediment on site.
 - Stabilized construction exit.
 - Wind erosion control.
- Other soil loss BMP acceptable to the enforcing agency.

2. Good housekeeping BMP to manage construction equipment, materials and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:

- Material handling and waste management.
- Building materials stockpile management.
- Management of washout areas (concrete, paints, stucco, etc.).
- Control of vehicle/equipment fueling to contractor's staging area.
- Vehicle and equipment cleaning performed off site.
- Spill prevention and control.
- Other housekeeping BMP acceptable to the enforcing agency.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 103, comply with Section 5.106.4.2

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

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

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with over 10 tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and shall meet one of the following:

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

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

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

5.106.4.2.1 Short-term bicycle parking. Provide permanently anchored bicycle racks within 200 feet of the student entrance, readily visible to passers-by, for 5 percent of the student population based on the total occupant load of the campus, with a minimum of one two-bike capacity rack.

5.106.4.2.2 Long-term bicycle parking. Provide secure bicycle parking for 5% of employees, based on the total number of motorized vehicle parking capacity in the staff parking lot, with a minimum of one space. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

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

5.106.5.2 DESIGNATED PARKING. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpooling pool vehicles as follows:

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201 AND OVER	AT LEAST 6% OF TOTAL

5.106.5.2.1 - Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle:

CLEAN AIR/ VAN POOL/ EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

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

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

Exceptions: [N]

- Luminaires that qualify as exceptions in Section 147 of the California Energy Code.
- Emergency lighting.

Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

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

- Swales.
- Water collection and disposal systems.
- French drains.
- Water retention gardens.
- Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

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

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

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

5.303.3.2 Urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads.

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead.

5.303.4 WASTEWATER REDUCTION. [N] Each building shall reduce by 20 percent wastewater by one of the following methods:

- BSC, DSA-SS) The installation of water-conserving fixtures (water closets, urinals) meeting the criteria established in sections 5.303.2 or 5.303.3.
- BSC) Utilizing non-potable water systems (captured rainwater, graywater, and municipally treated wastewater (recycled water) complying with the current edition of the California Plumbing Code or other methods described in Section A5.304.8.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1401.1 of the California Plumbing Code and in Chapter 6 of this code.

FIXTURE TYPE	FLOW RATE	DURATION	DAILY USES	OCCUPANTS
SHOWER HEADS	2.0 GPM @ 80 PSI	5 MIN.	1	X _{SH}
LAVATORY FAUCETS (NON-RESIDENTIAL)	0.5 GPM @ 60 PSI	25 MIN.	3	X
KITCHEN FAUCETS	2.2 GPM @ 60 PSI	4 MIN.	1	X _{KE}
REPLACEMENT AERATORS	2.2 GPM @ 60 PSI			X
WASH FOUNTAINS	2.2 RIM SPACE (N/20 GPM@60 PSI)			X
METERING FAUCETS	0.25 GAL/CYCLE	0.25 MIN.	3	X
METERING FAUCETS FOR WASH CLOSET	25 RIM SPACE (N/20 GPM@60 PSI)	0.25 MIN.		X
GRAVITY TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
FLUSHMETER TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
FLUSHMETER VALVE WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
ELECTROMECHANICAL HYDRAULIC WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE, 3 FEMALE	X
URINALS	0.5 GAL/FLUSH	1 FLUSH	2 MALE	X

FIXTURE "WATER USE" = FLOW RATE X DURATION X OCCUPANTS X DAILY USES

1. THE DAILY USE NUMBER SHALL BE INCREASED TO THREE IF URINALS ARE NOT INSTALLED IN THE ROOM.

2. REFER TO TABLE A, CHAPTER 4, CALIF. PLUMBING CODE, FOR OCCUPANT LOAD FACTORS.

a. SHOWER USE BY OCCUPANTS DEPENDS ON THE TYPE OF USE OF A BUILDING OR PORTION OF A BUILDING, E.G., TOTAL OCCUPANT LOAD FOR A HEALTH CLUB, BUT ONLY A FRACTION OF THE OCCUPANTS IN AN OFFICE BUILDING AS DETERMINED BY THE ANTICIPATED NUMBER OF USERS

b. NONRESIDENTIAL KITCHEN FAUCET USE IS DETERMINED BY THE OCCUPANT LOAD OF THE AREA SERVED BY THE FIXTURE.

3. USE WORKSHEET WS-1 TO CALCULATE BASELINE WATER USE.

FIXTURE TYPE	MAX. FLOW RATE @ 20% REDUCTION
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
WASH FOUNTAINS	1.8 RIM SPACE (N/20 GPM @ 60 PSI)
METERING FAUCETS	0.20 GALLONS/CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	20 RIM SPACE (N/20 GPM @ 60 PSI)

SECTION 5.304 OUTDOOR WATER USE

5.304.1 WATER BUDGET. A water budget shall be developed for landscape irrigation use that is limited in conjunction with a new building or an addition or alteration conforms to the local water efficient landscape ordinance or to the California Department of Water Resources Water Efficient Landscape Ordinance where no local ordinance is applicable.

Note: Prescriptive measures to assist in compliance with the water budget are listed in Sections 492.5 through 492.8, 492.10 and 492.11 of the ordinance, which may be found at: <http://www.water.ca.gov/wateruseefficiency/docs/WaterOrdSec492.cfm>

5.304.2 OUTDOOR POTABLE WATER USE. For new water service or for addition or alteration requiring upgraded water service for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet (the level at which Water Code §535 applies), separate submeters or metering devices shall be installed for outdoor potable water use.

5.304.3 IRRIGATION DESIGN. In new nonresidential construction with at least 1,000 but not more than 2,600 square feet of cumulative landscaped area (the level at which the MWELD applies), install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.

5.304.3.1 Irrigation controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:

- Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change.
- Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input.

Note: Note information regarding irrigation controller function and specifications is available from the Irrigation Association.

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

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

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

5.303.2 WATER REDUCTION. Plumbing fixtures shall meet the maximum flow rate values shown in Table 5.303.2.3

Exception: Building that demonstrate 20% overall water use reduction. In this case, a calculation demonstrating a 20% reduction in the building "water use baseline," as established in Table 5.303.2.2, shall be provided.

5.303.2.1 Areas of addition or alteration. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.2 and Section 5.303.3 shall apply to new fixtures in additions or areas of alteration to the building.

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DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

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

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

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

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

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

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 (Weather Protection) and California Energy Code Section 150. (Mandatory Features and Devices), manufacturer's installation instructions or local ordinance, whichever is more stringent.

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

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

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

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

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

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 50% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

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

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

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

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

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

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

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 50% minimum requirement as approved by the enforcing agency.

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

Notes:

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

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

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

Notes:

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

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

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

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

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

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

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

5.410.2 COMMISSIONING. [N] For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. Commissioning requirements shall include:

- Owner's or Owner representative's project requirements.
- Basics of design.
- Commissioning measures shown in the construction documents.
- Commissioning plan.
- Functional performance testing.
- Documentation and training.
- Commissioning report.

Exceptions:

- Dry storage warehouses of any size.
- Areas under 10,000 square feet used for offices or other conditioned accessory spaces within dry storage warehouses.
- Tenant improvements under 10,000 square feet as described in Section 303.1.1
- Commissioning requirements for energy systems covered by the 2013 California Energy Code.

All building systems and components covered by Title 24, Part 6, as well as process equipment and controls, and renewable energy systems shall be included in the scope of the commissioning requirements.

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

1. Environmental and sustainability goals.
2. Energy efficiency goals (refer to 2013 California Energy Code, Section 120.8(c)).
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

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

1. Heating, ventilation, air conditioning (HVAC) systems and controls (refer to 2013 California Energy Code, Section 120.8(c)).
2. Indoor lighting system and controls (refer to 2013 California Energy Code, Section 120.8(c)).
3. Water heating system (refer to 2013 California Energy Code, Section 120.8(c)).
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

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

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

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

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

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

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

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

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

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

Note: Guidance on implementation and enforcement of commissioning requirements, including sample compliance forms and templates, may be found in Appendix A6, Division A6.1, of this code.

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

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

1. HVAC systems and controls.
2. Indoor and outdoor lighting and controls.
3. Water heating systems.
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

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

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

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

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

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

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

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

SECTION 5.502 DEFINITIONS

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

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

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

Note: See CCR, Title 17, Section 93120.1.

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2-1996.

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

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

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

SECTION 5.503 FIREPLACES

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

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA Phase II emission limits where applicable.

SECTION 5.504 POLLUTANT CONTROL

5.504.1 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1996, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or if the building is occupied during alteration, at the conclusion of construction.

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

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, sealants, adhesive primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 18 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

5.504.4.2 Sealers and sealant. Sealers and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 18 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

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

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

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

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

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

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measures, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coating categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.2.1, 4.2.3 and 4.3.7 of the 2007 California Air Resources Board Suggested Control Measures, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PVMIR limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(a)(2) and (4)(2) of California Code of Regulations, Title 17, commencing with Section 94522; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS^{1,2}

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

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program.
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Compounds (also known as CDPH Standard Method V.1.1 or Specification 01350).
3. NSF/ANSI 140 at the Gold level or higher.
4. Scientific Certifications Systems Sustainable Choice, or
5. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

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

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120.1 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labels and invoices as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120.1 et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European EN 338 standards.
5. Other methods acceptable to the enforcing agency.

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

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1334. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120.1 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 616 INCHES (5MM).

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database; or
4. Compliant with CDPH criteria as certified under the Greenguard Children's & Schools Program.

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

5.504.4.6.2 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. MERV 9 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions:

1. An ASHRAE 10% to 15% efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 50,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 Wd/h or less at design air-flow.
2. Existing mechanical equipment.

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

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code.

5.505.2 CARBON DIOXIDE (CO₂) MONITORING. For buildings or additions equipped with demand control ventilation, CO₂ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the 2013 California Energy Code, Section 120(c)(4).

SECTION 5.507 ENVIRONMENTAL COMFORT

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

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

Exception: [D5A-E5] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

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

1. Within the 65 CNEL noise contour of an airport.
2. Within the 65 CNEL or Leq noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

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

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

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

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

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

CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

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

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

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

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

Notes:

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

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

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

703 VERIFICATIONS

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

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1 1/4" = 1'-0"
24x40 Floor Plan

Wall Schedule			
Stud Size	Sheet	Notes	
Wood Wall Stud	S4.5		
Mtl Wall Stud	S4.5		

5 1/4" = 1'-0"
Wall Schedule

Fire Rating Schedule			
Rating	Sheet	Notes	
1 HOUR - SIDING OVER WD STUDS	A2.5		
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6		
1 HOUR - SIDING OVER STL STUDS	A2.7		
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8		

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

4 1/4" = 1'-0"
Fire Rating Schedule

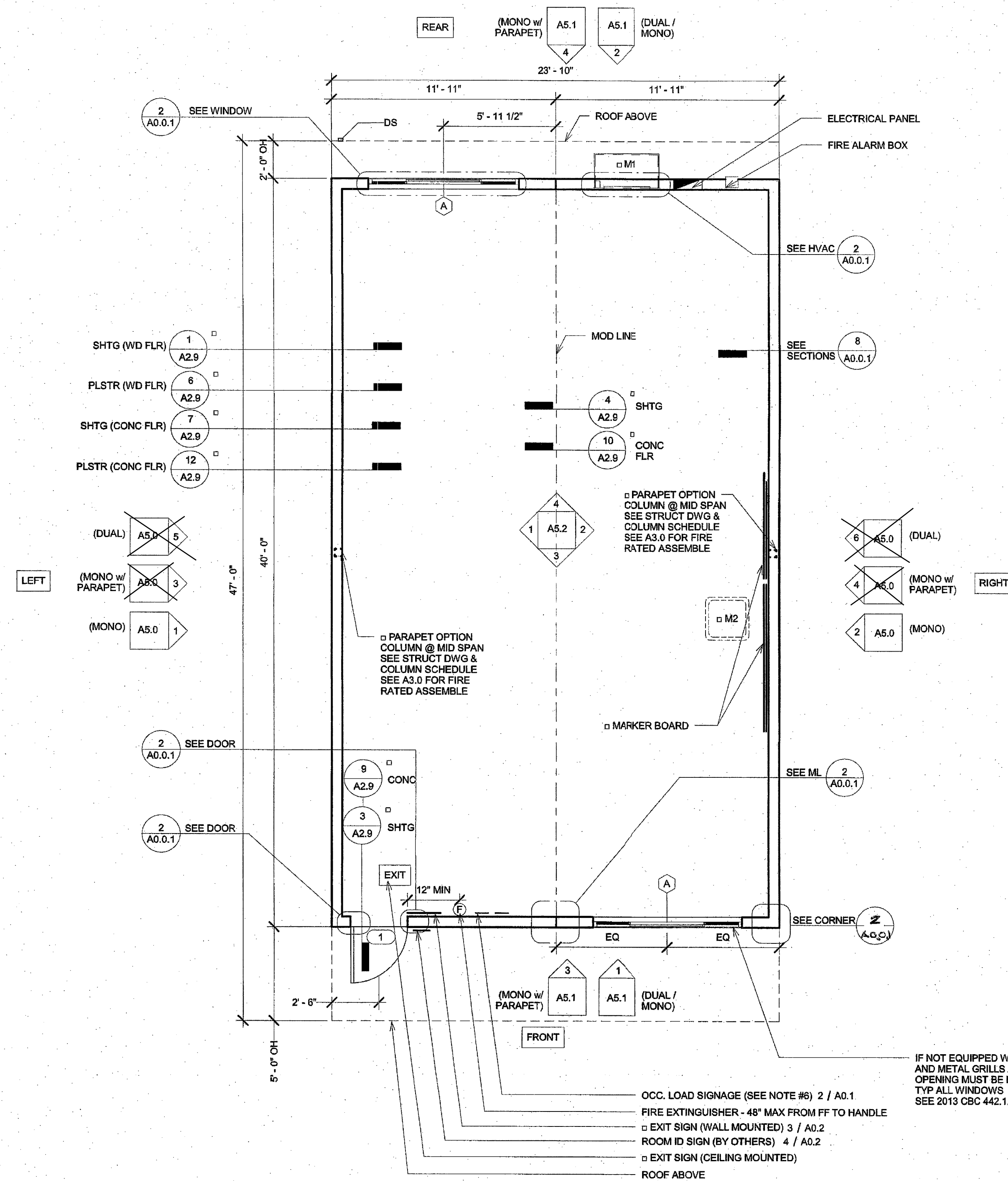
Ext. Finish Schedule			
Finishes	Sheet	Notes	
SIDING OVER WD STUDS	A2.1		
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2		
SIDING OVER STL STUDS	A2.3		
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4		

3 1/4" = 1'-0"
Ext. Finish Schedule

Roofing Schedule				
"SLOPE"	EDPM	Standing Seam	Parapet	Notes
Dual	A4.2.2	A4.0.2	N/A	
Mono	A4.2.1	A4.0.1	A4.4.1	

2 1/4" = 1'-0"
Roofing Schedule

HVAC Unit		
Keynote	Type	Type Comments
M1	Wall Mounted HVAC	See (M)-Sheets
M2	Roof Mounted HVAC	See (M)-Sheets



RIGHT-HAND DOOR
PLAN SHOWN OPPOSITE



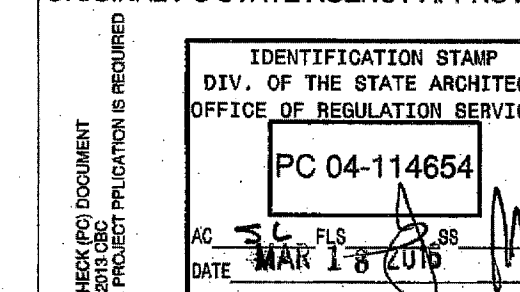
PROFESSIONAL STAMP



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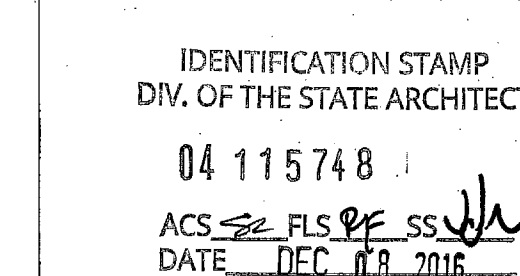
CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
**24' x 40'
EXPANDABLE TO
48' x 40'**

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
24x40 FLOOR PLAN

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

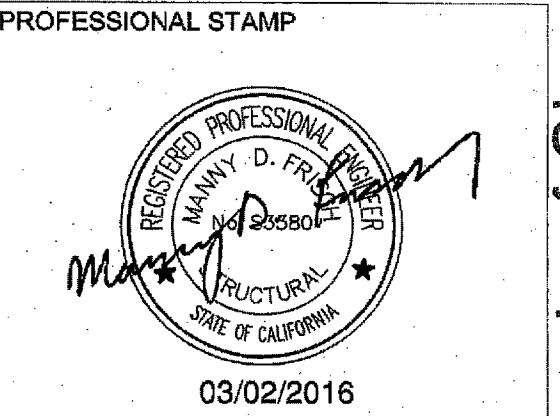
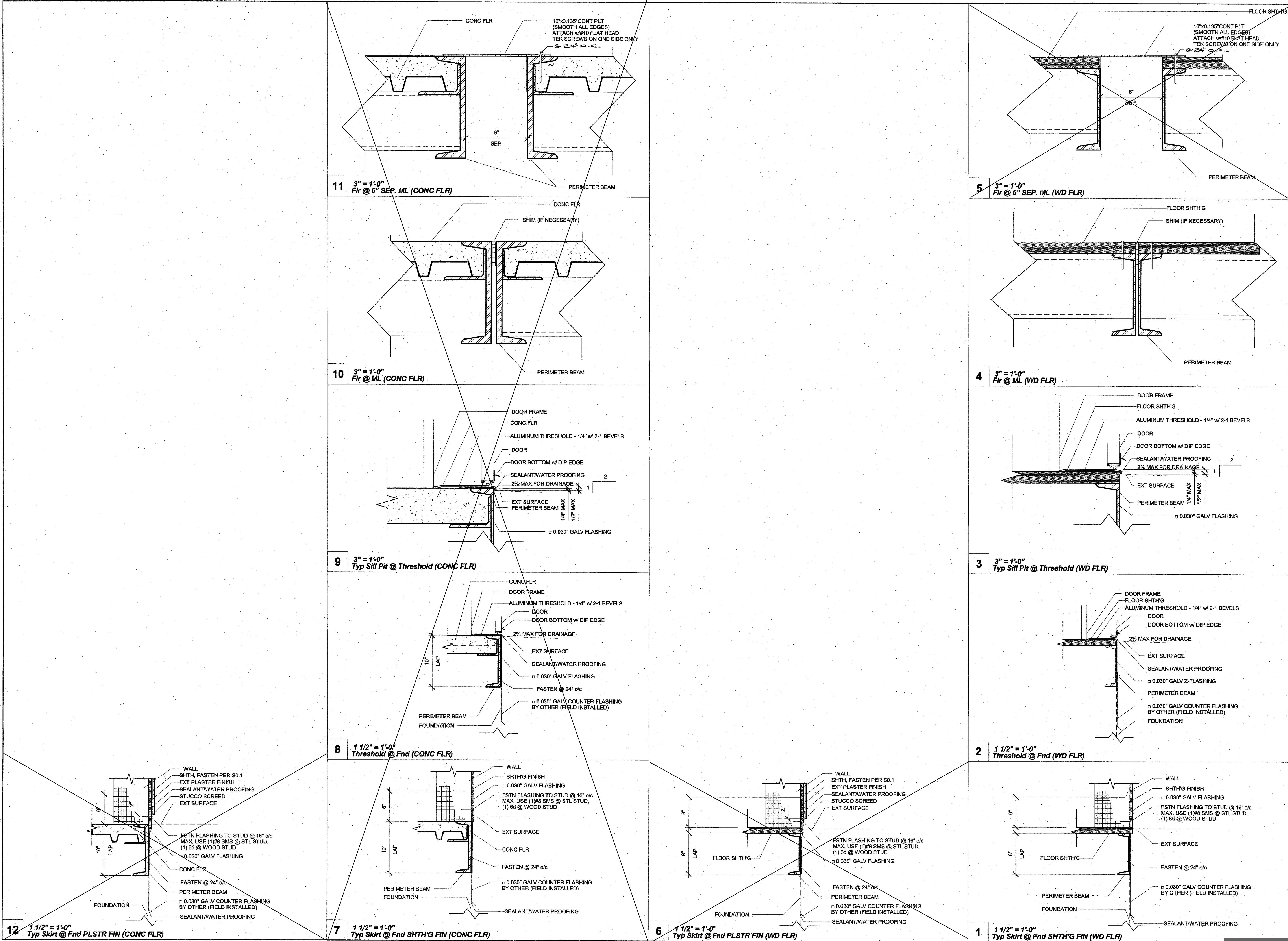
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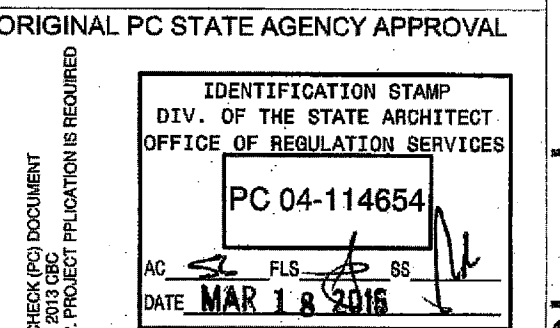
ADDENDUM

Proprietary Property of Class Leasing

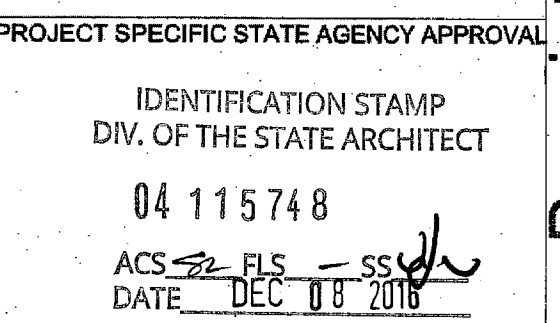
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PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'



Revision Schedule
Description Date

SHEET TITLE
ARCHITECTURAL
DETAILS
(FLOOR)

PROJECT NUMBER
15046

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rMc/SM

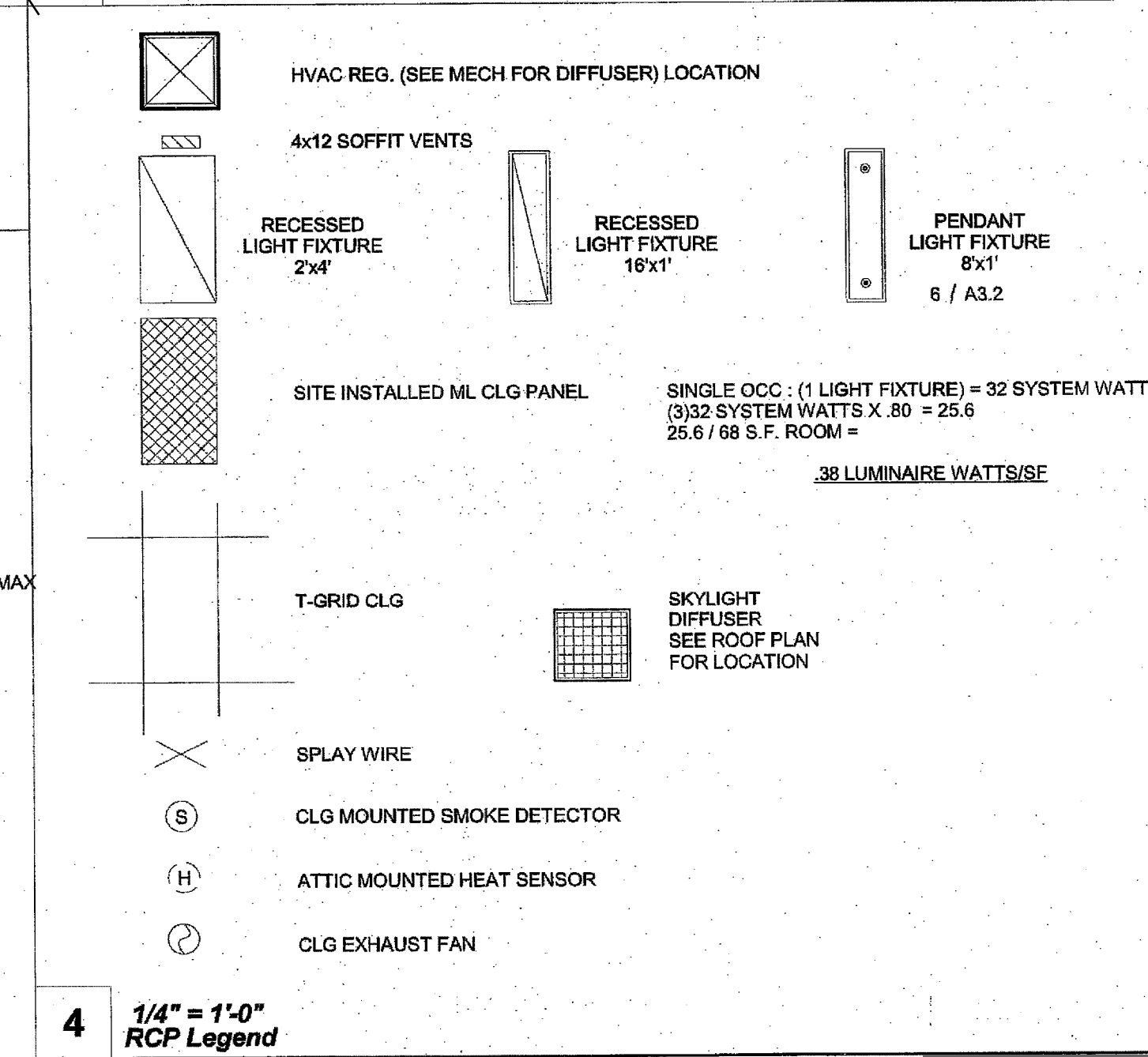
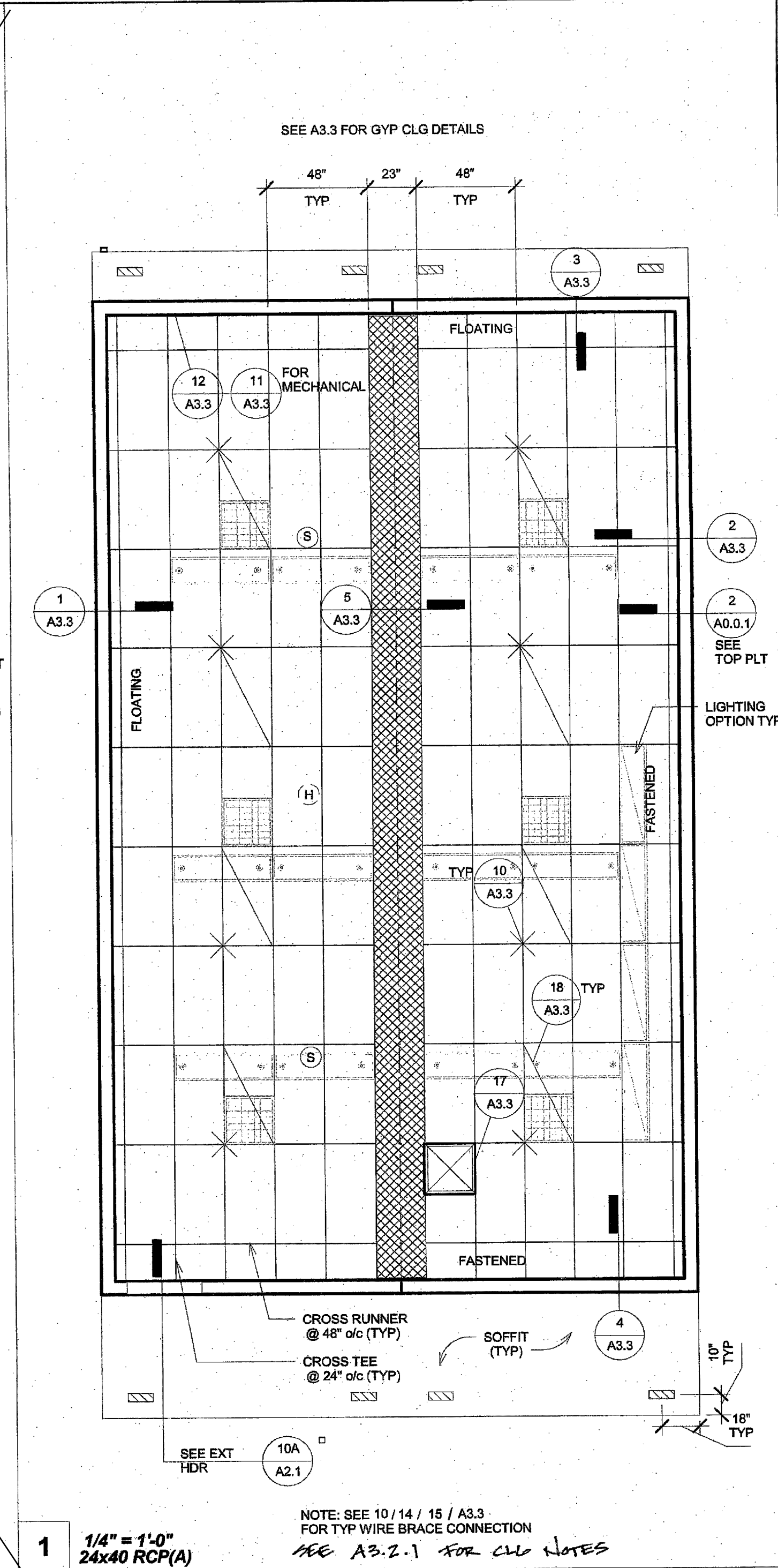
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JA/RT

DATE
2016/03/02

SHEET NO.
A2.9

ADDENDUM

Proprietary Property of Class Leasing



1. CEILING SYSTEM GENERAL NOTES:

- 1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer's Name _____
Product Evaluation Report Type and Number _____
Manufacturer's Model Number - main runner _____
Manufacturer's catalog number - cross runner _____

SEE
A3.2

- 1.04 Seismic Wall Clip:
Manufacturer's Model _____
- 1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.
- 1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical 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 (AISI S100-07/S2-10). Material 43 mil (18 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 C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15	1.00	
Ceiling Notes			

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3. ATTACHMENT OF HANGER AND BRACING WIRES:

- 3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced 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 C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.
- 4.02 Expansion anchors shall be:
- 4.03 Power-Actuated Fasteners shall be:
- 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 driven 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.

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15	1.01	
Ceiling Notes			

DSA IR 25-2.13 - Appendix A (rev 09/21/15) 4 of 51

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 E580, Section 5.3.1.
- 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 surround the supporting 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 their 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 sprinkler 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.

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15	1.02	
Ceiling Notes			

DSA IR 25-2.13 - Appendix A (rev 09/21/15) 5 of 51

8. OTHER DEVICES WITHIN THE CEILING:

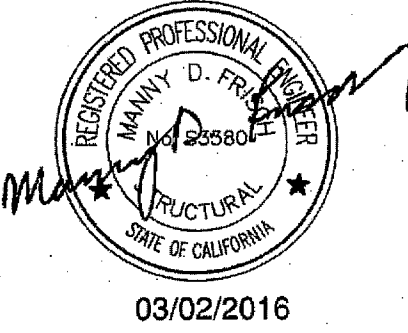
- 8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15	1.03	
Ceiling Notes			

DSA IR 25-2.13 - Appendix A (rev 09/21/15) 8 of 51



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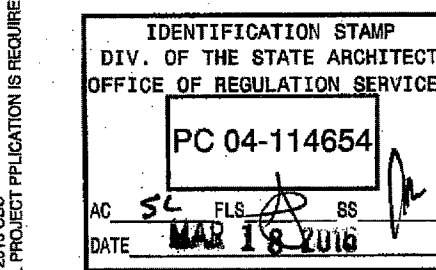


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CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

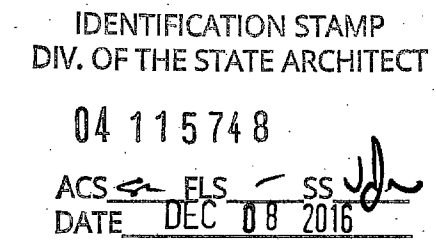
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
CEILING NOTES

PROJECT NUMBER
15046

DRAWN BY
Author

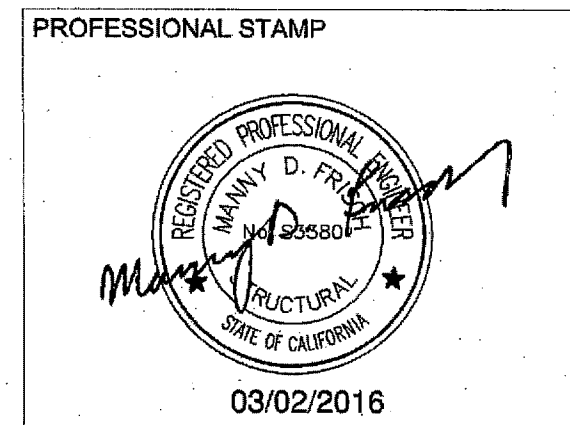
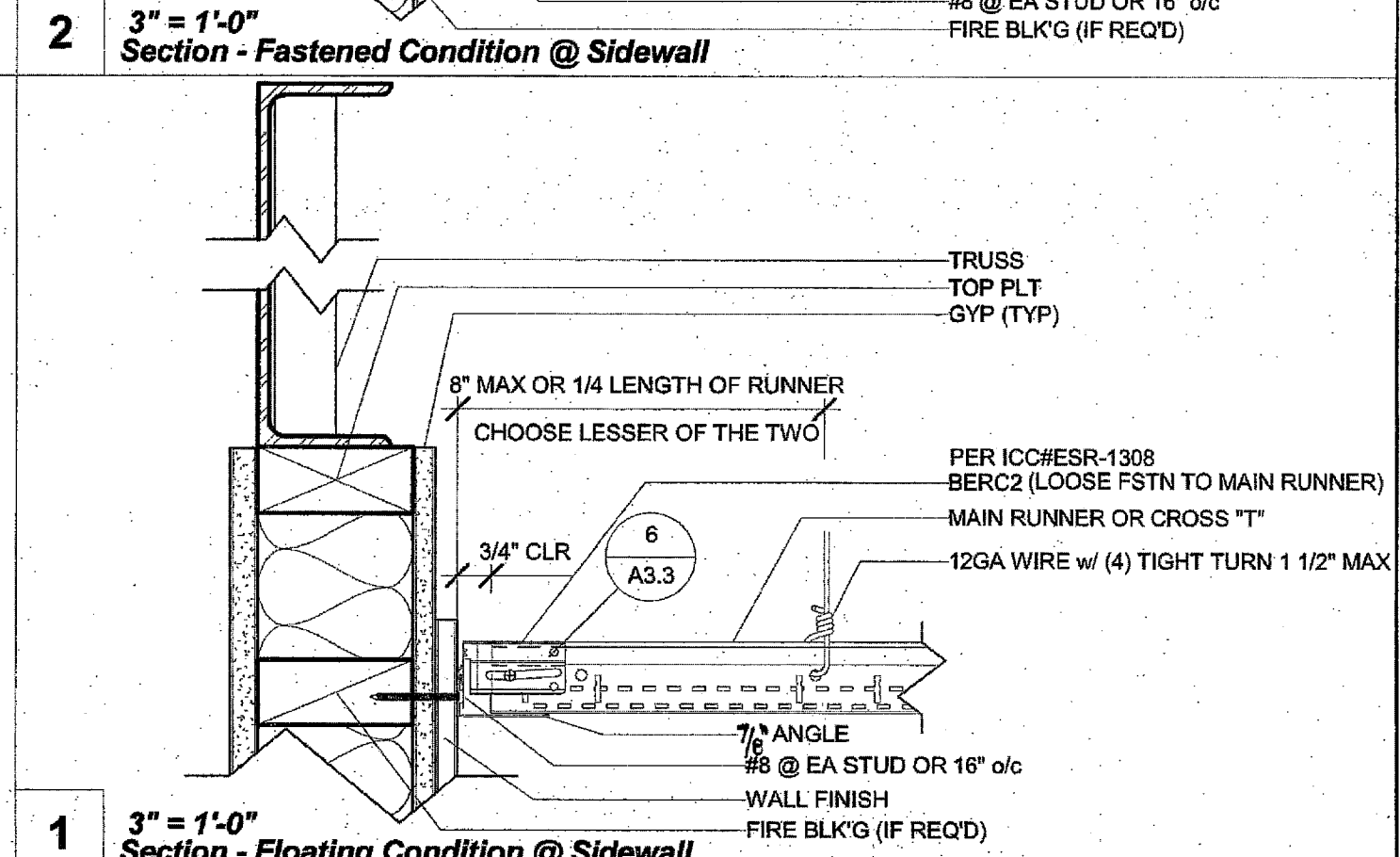
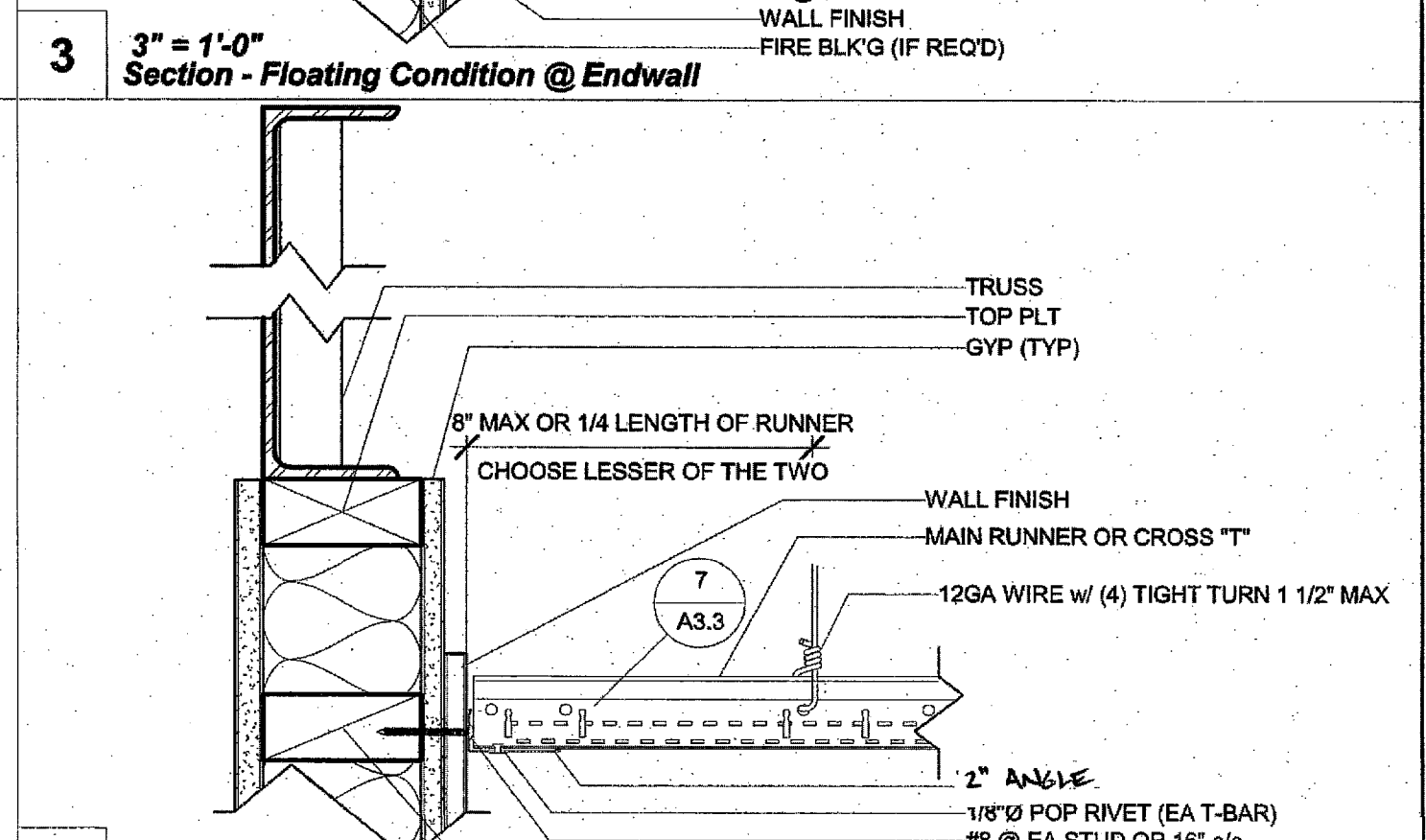
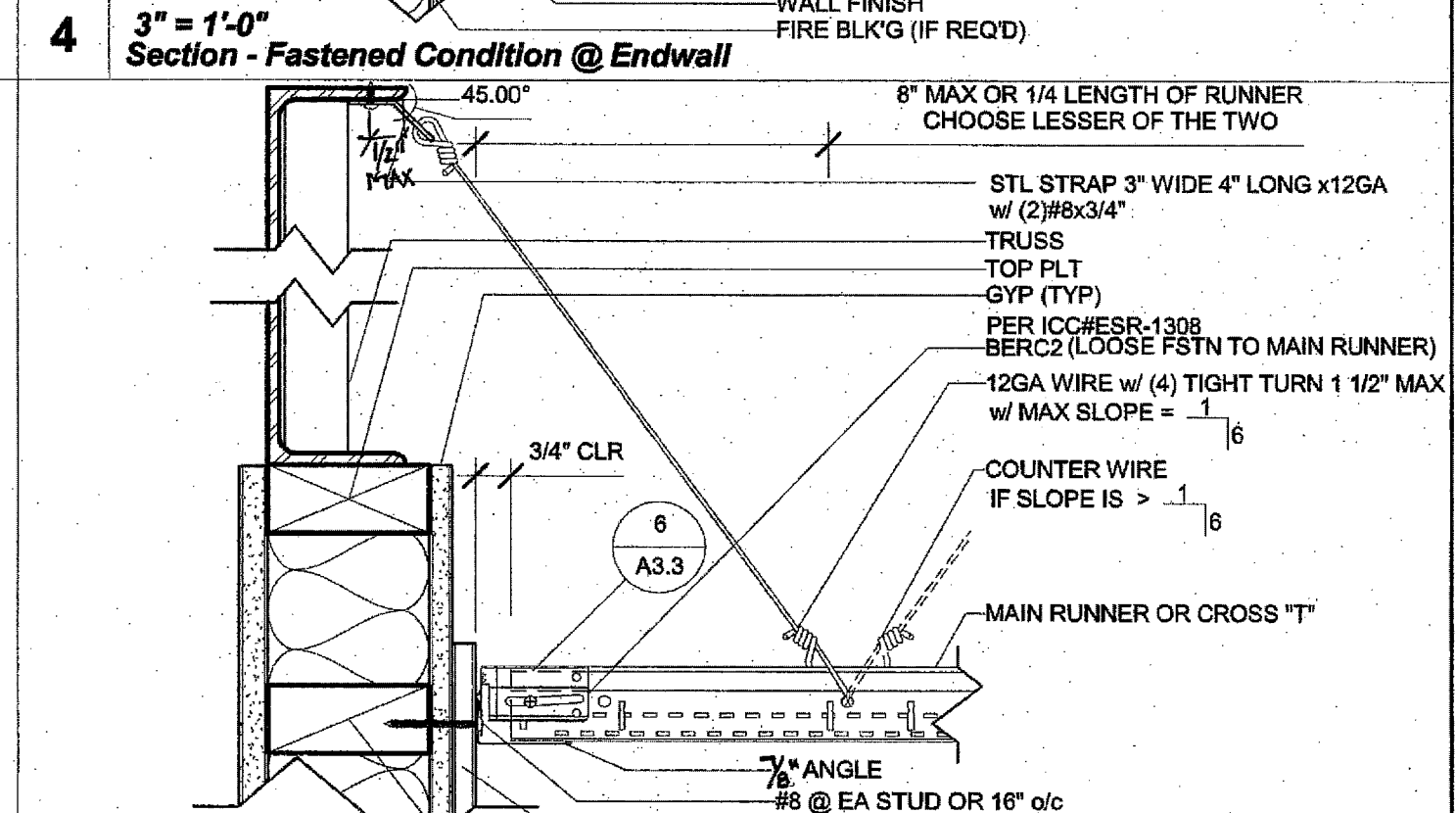
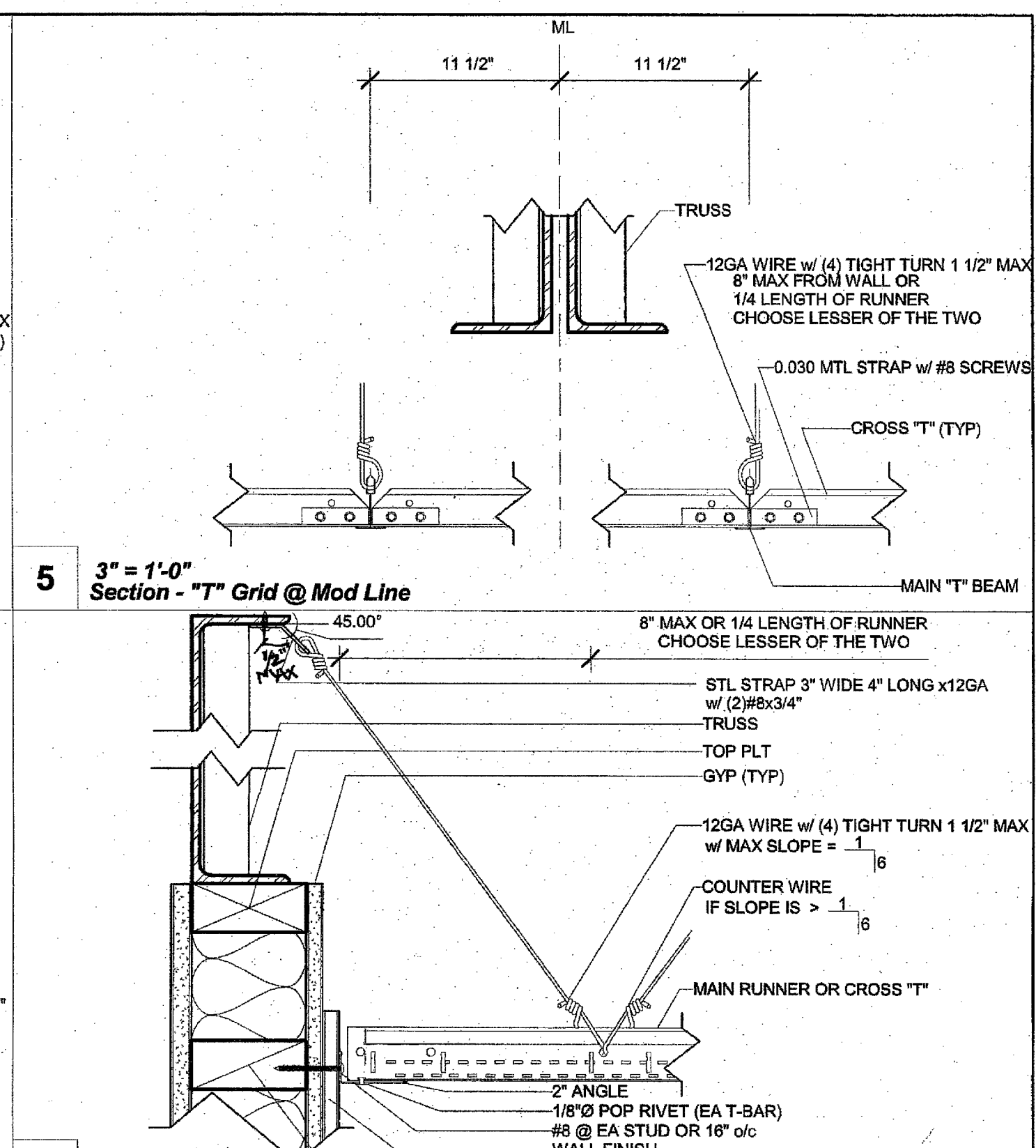
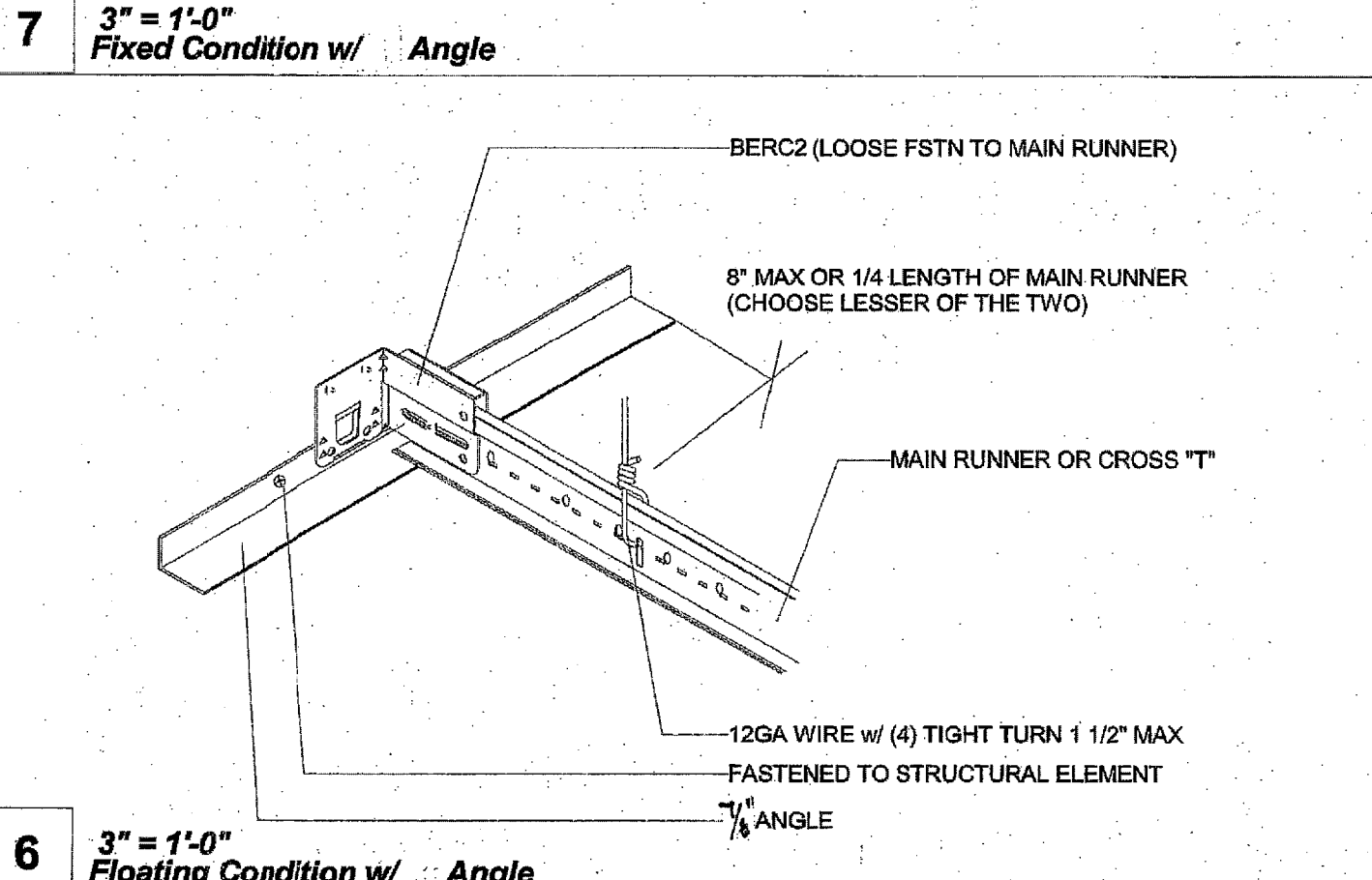
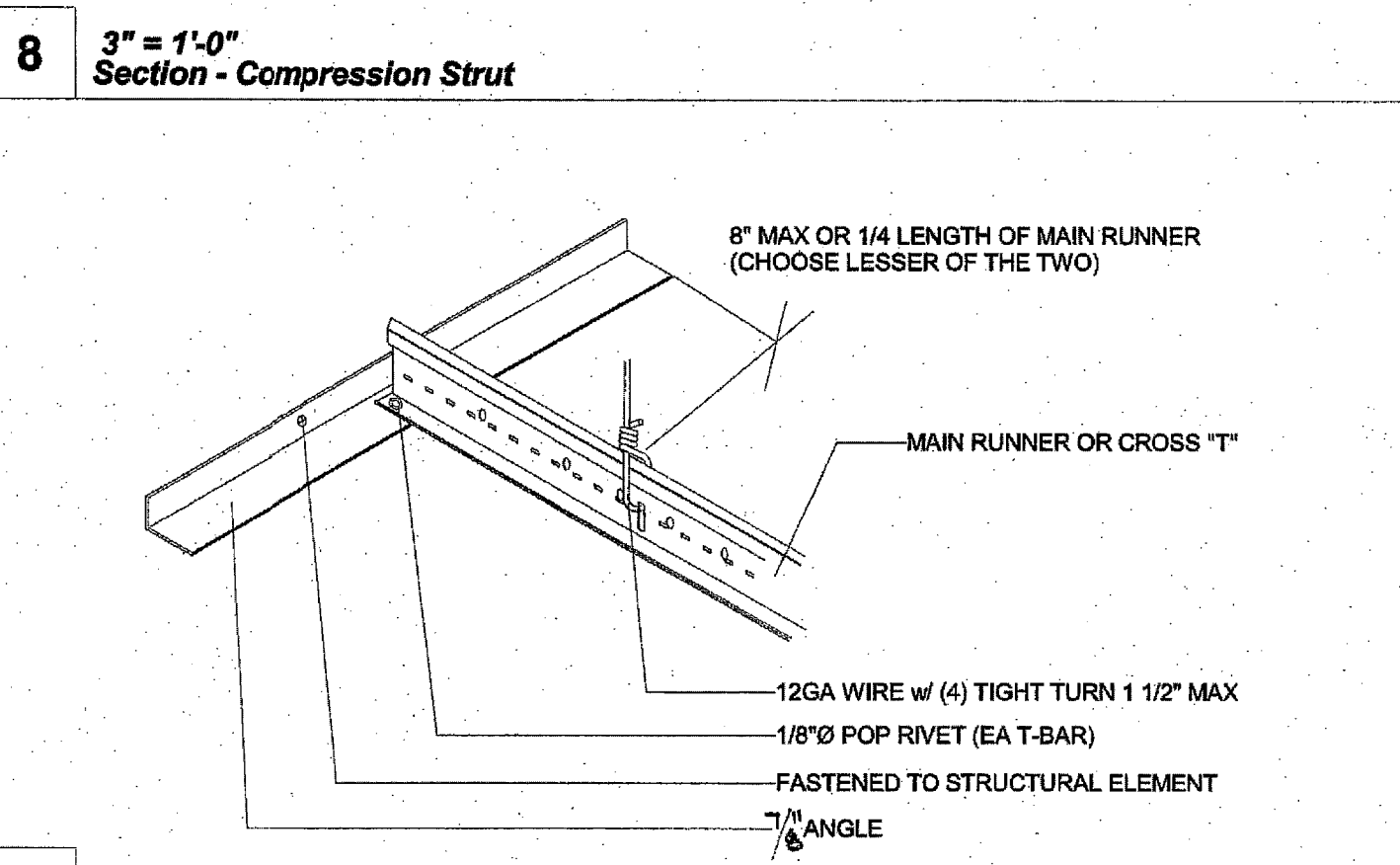
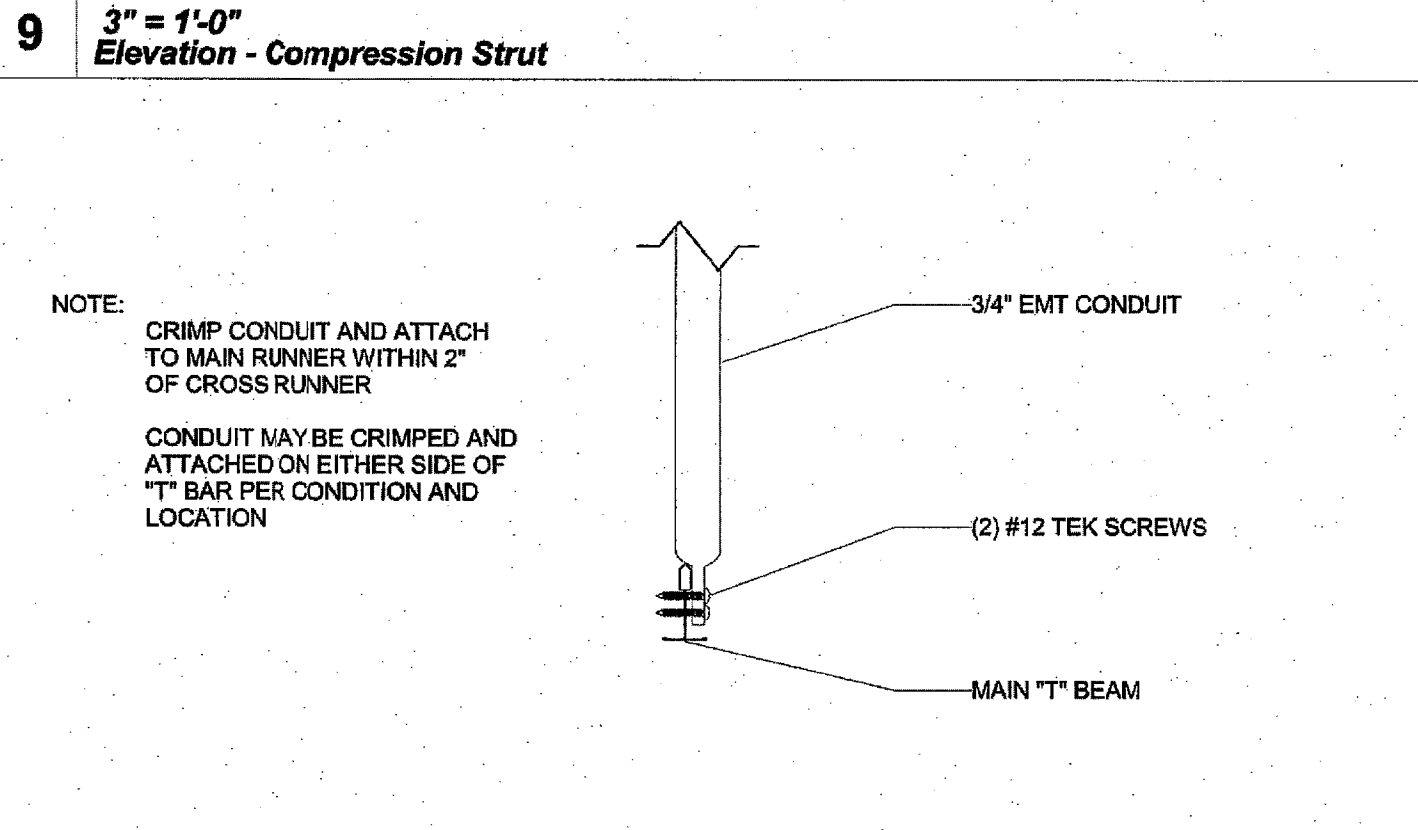
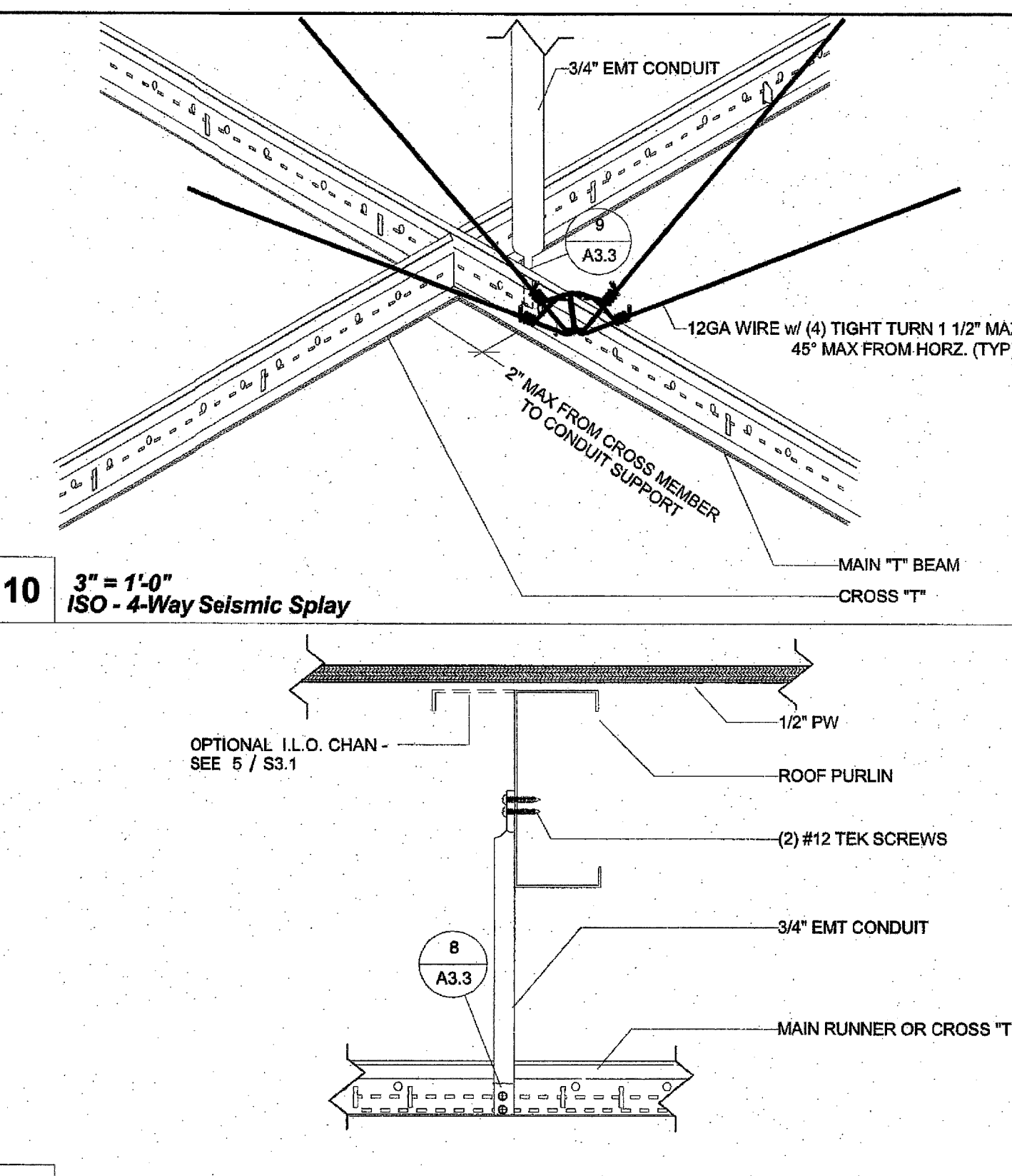
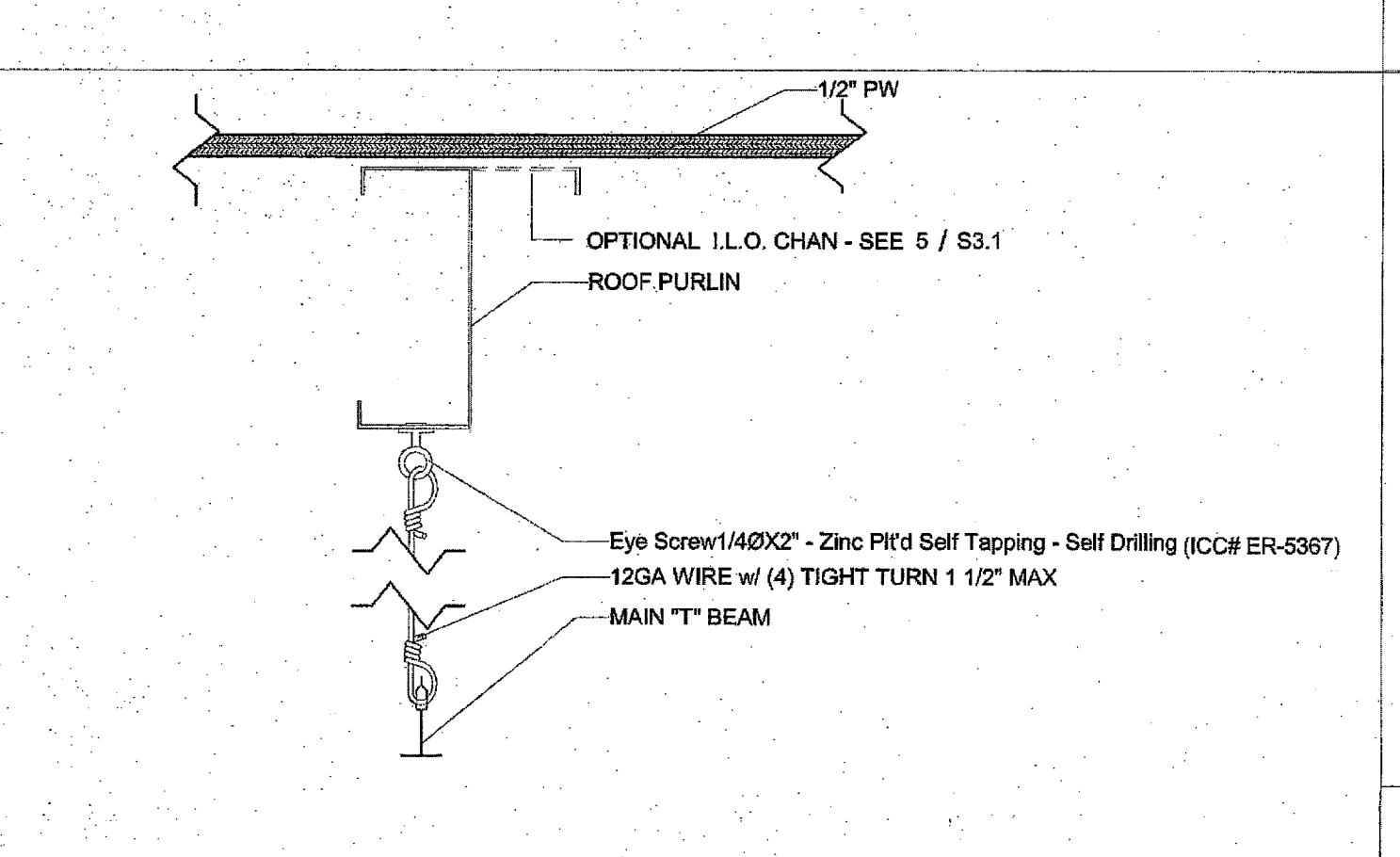
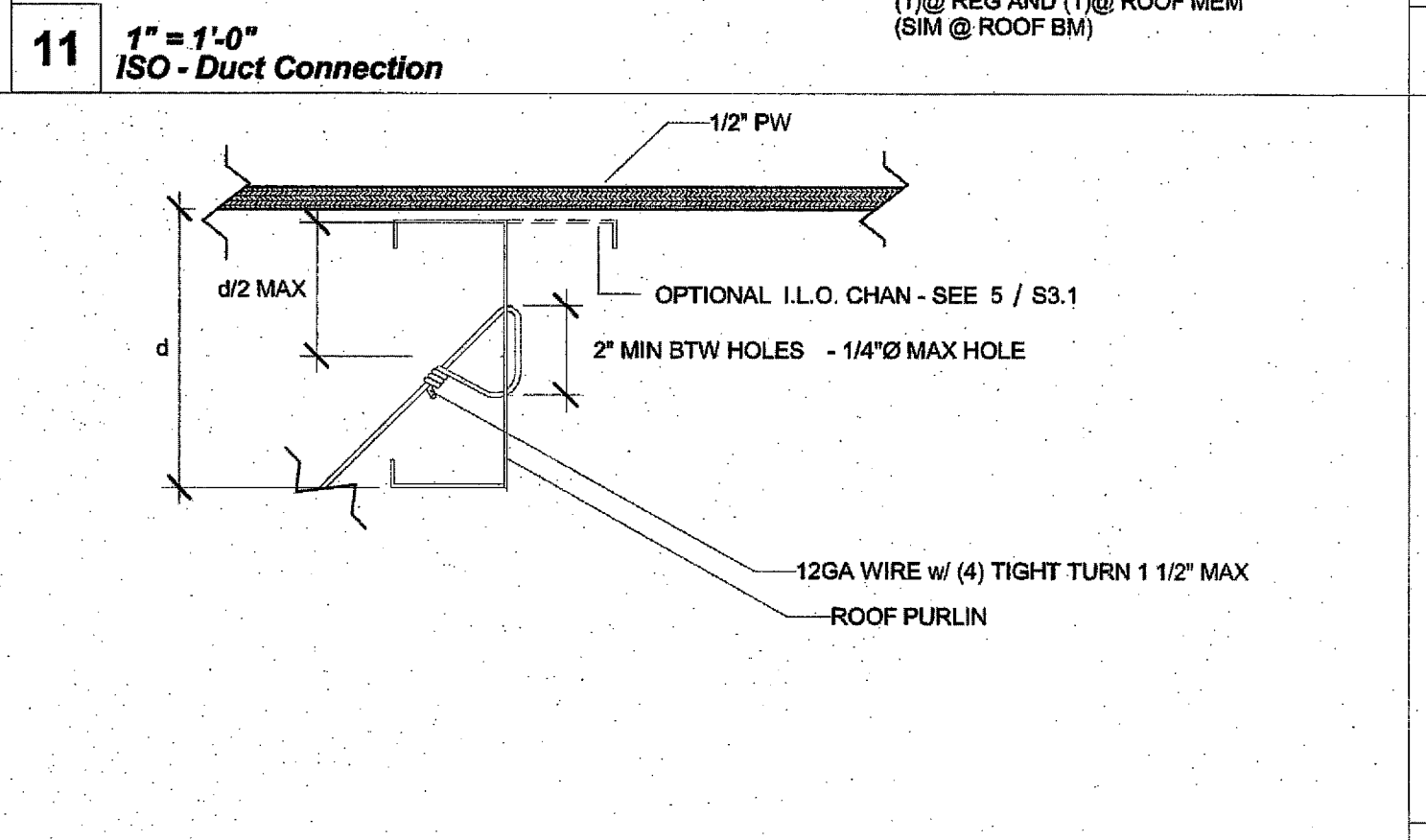
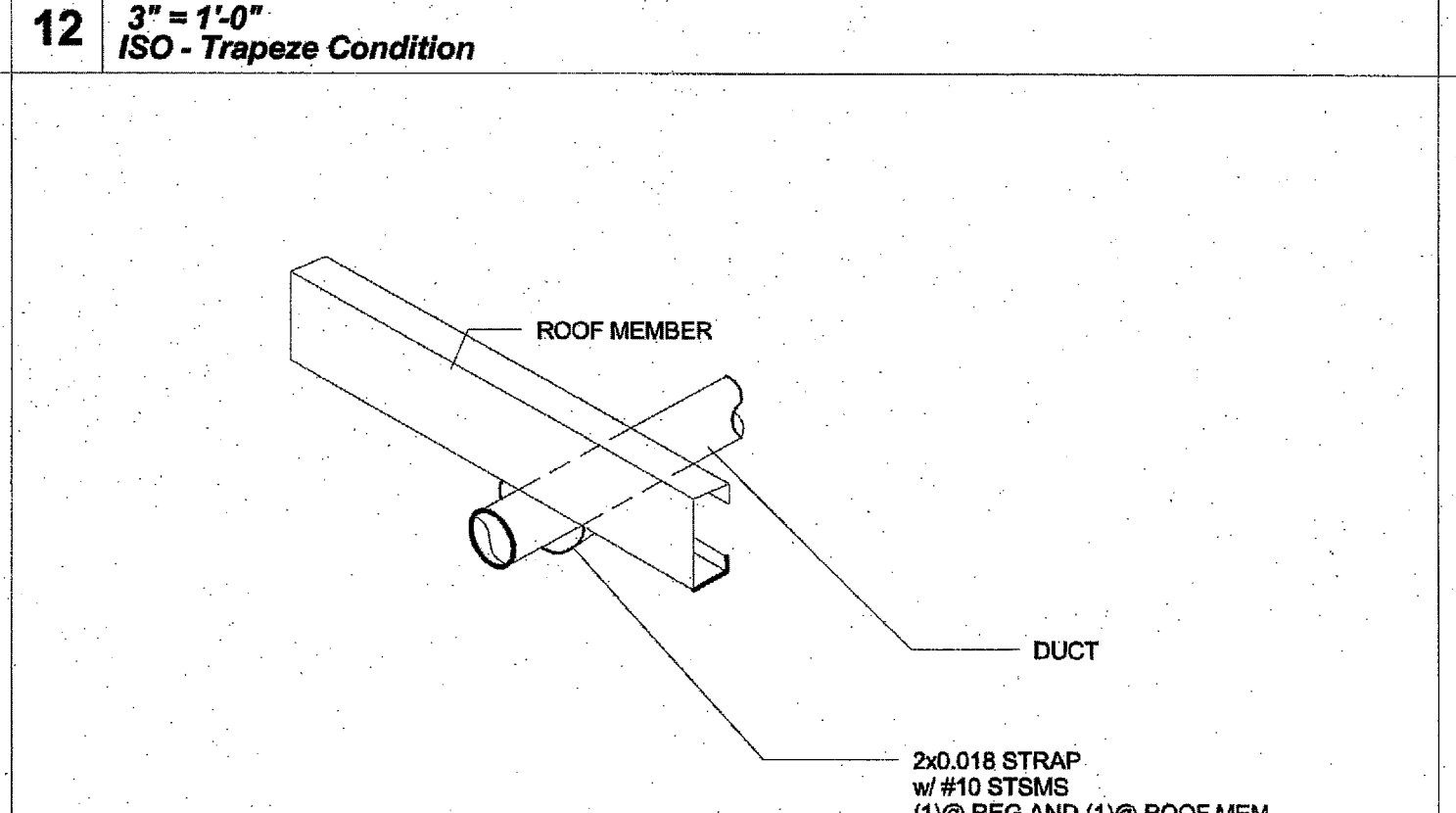
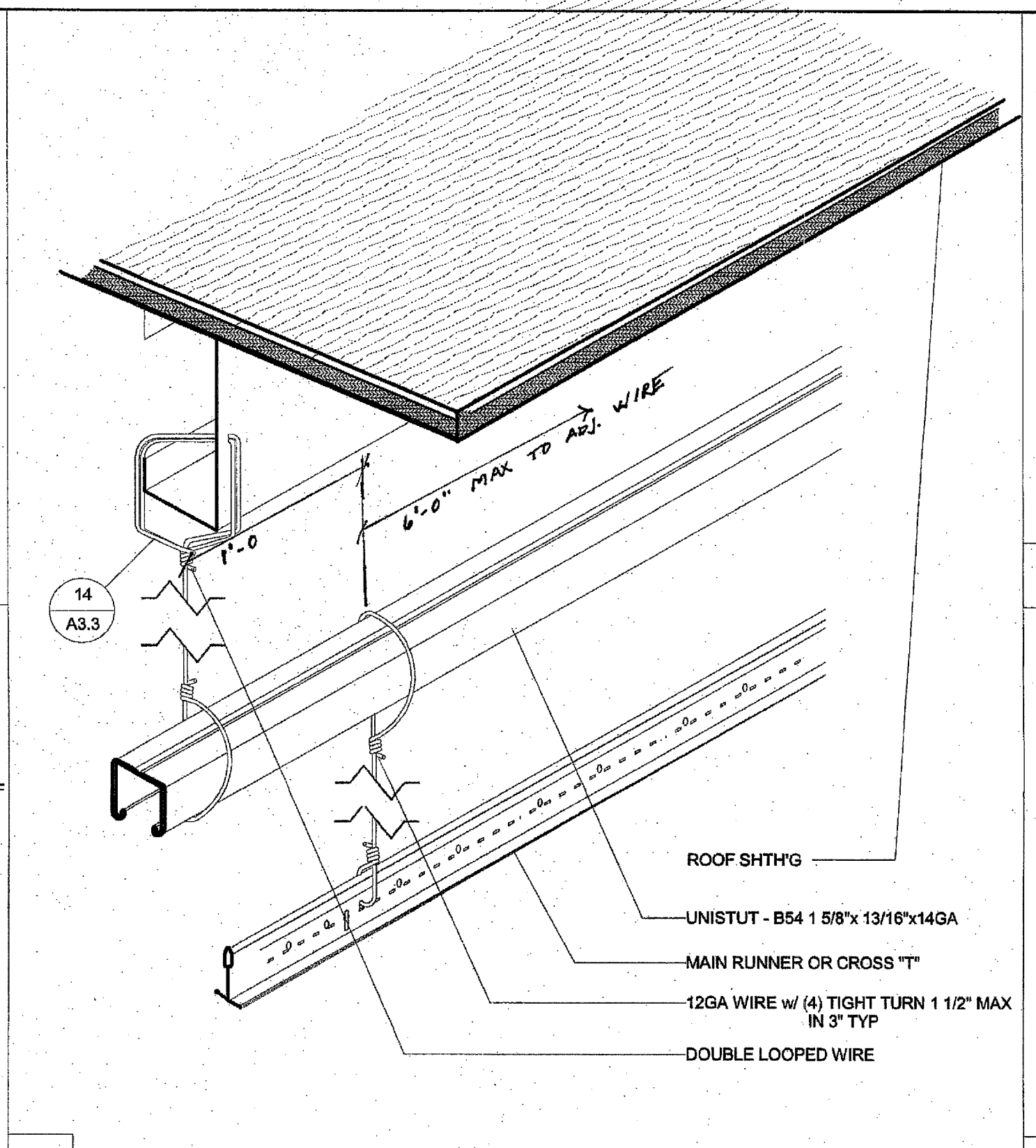
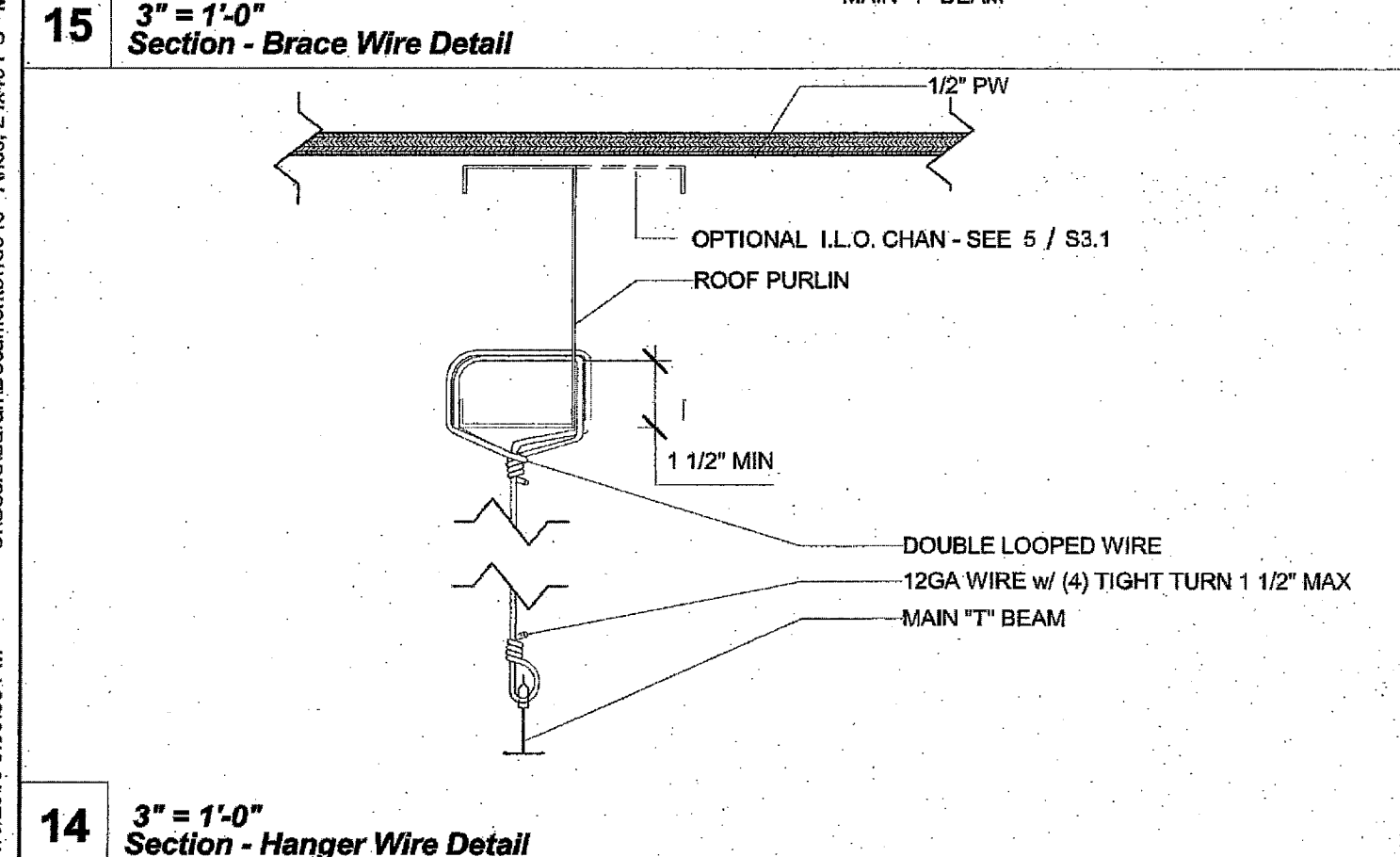
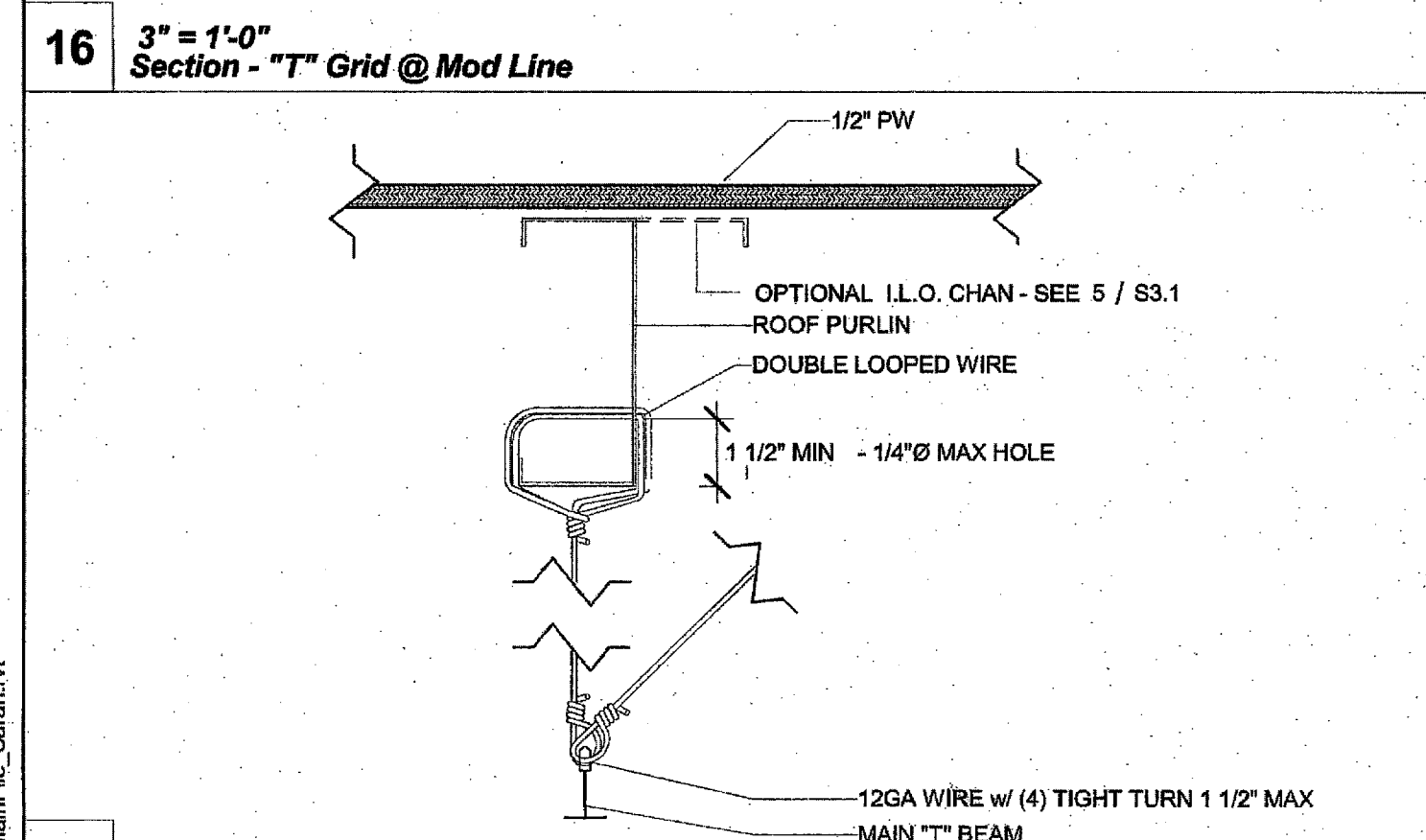
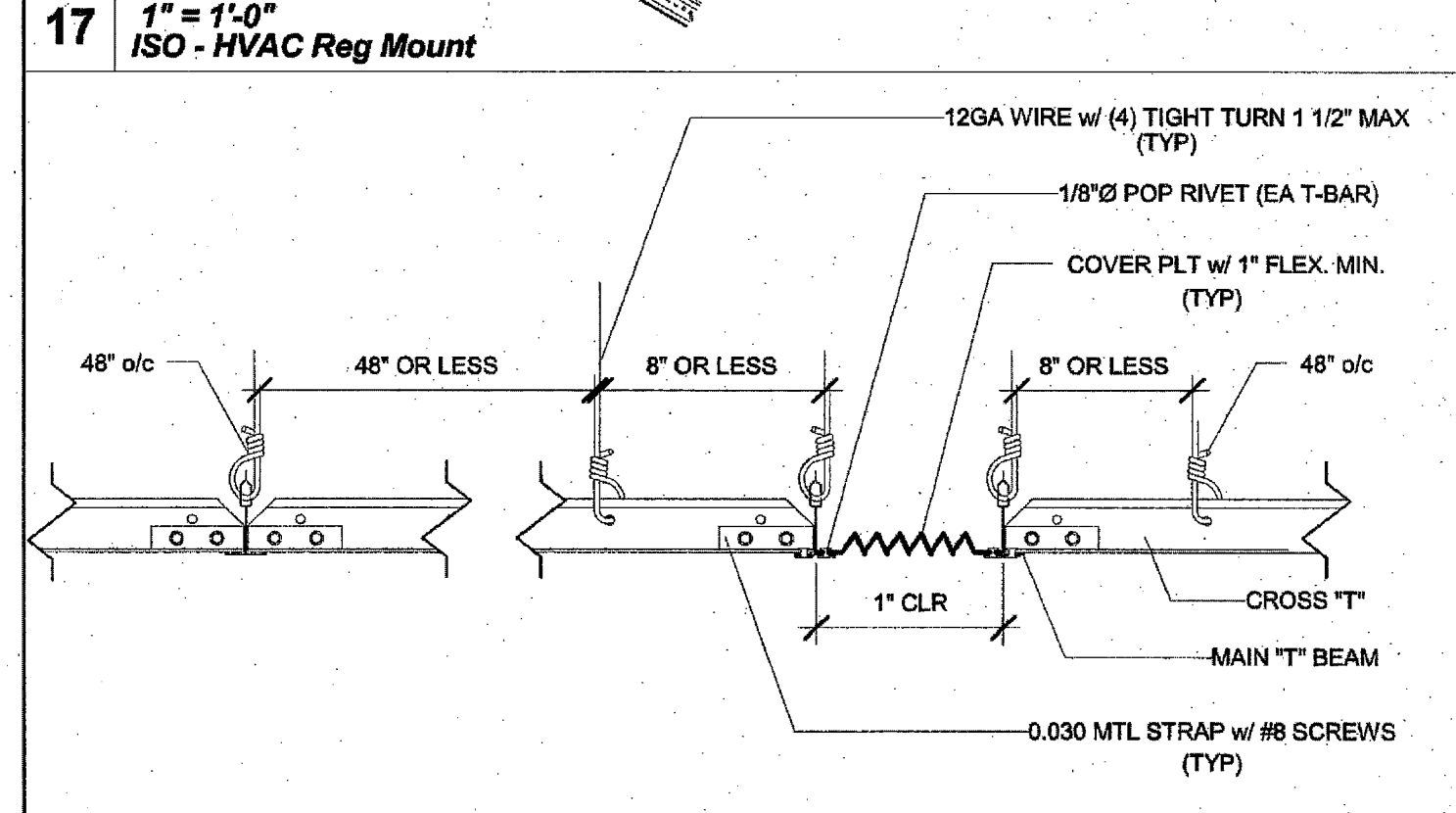
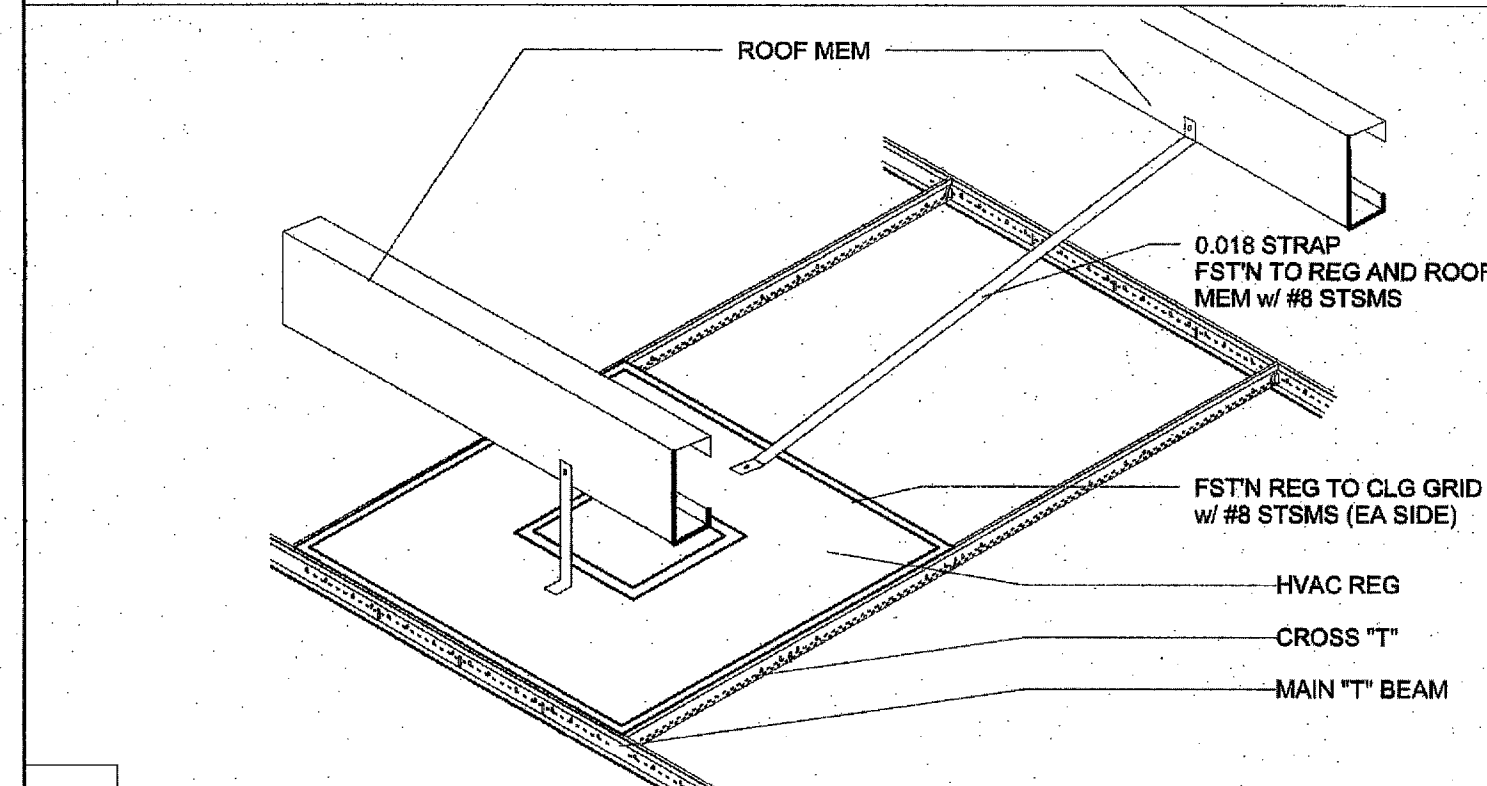
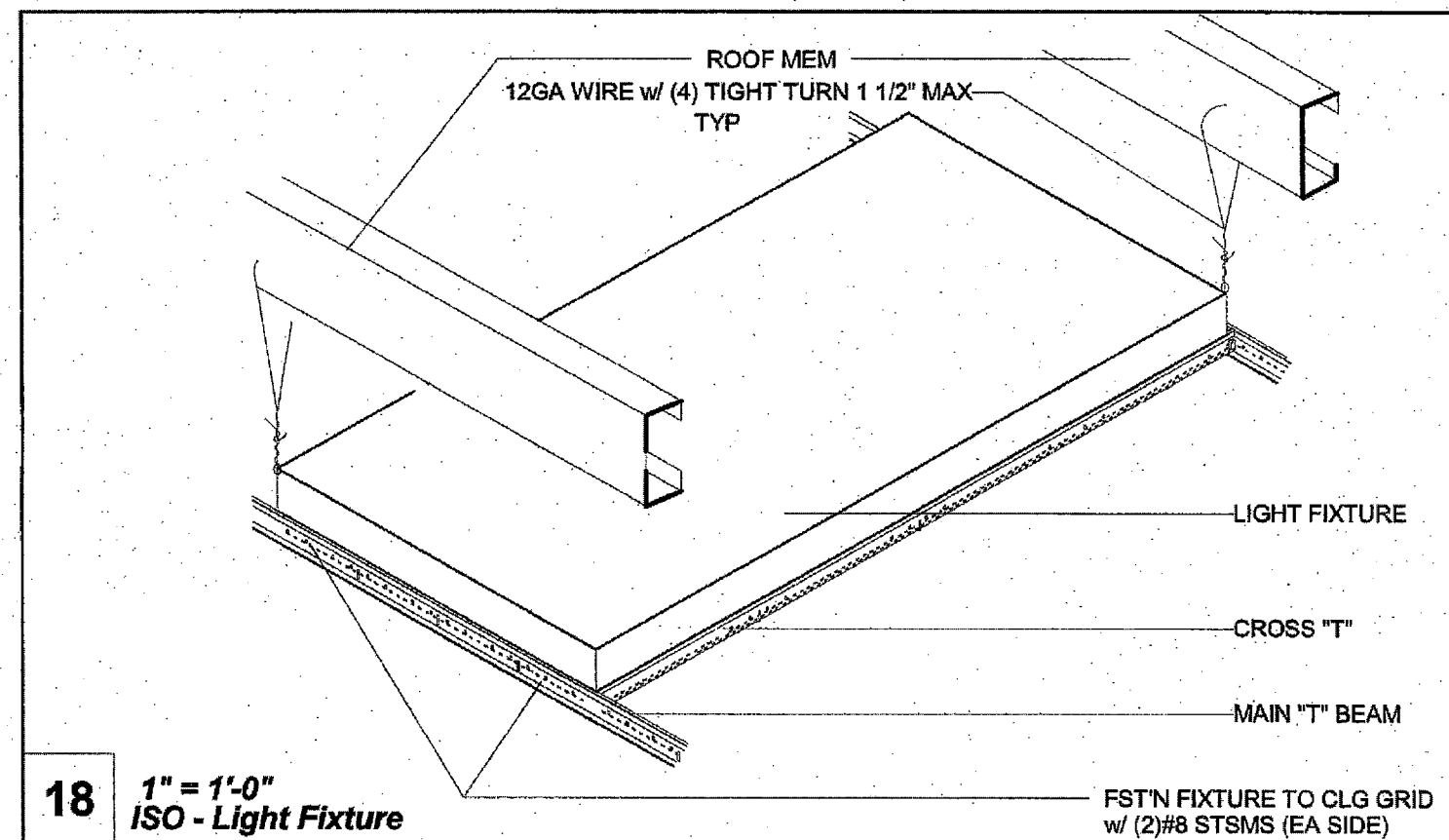
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DATE
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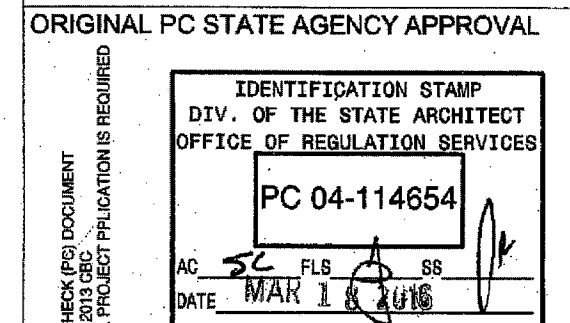
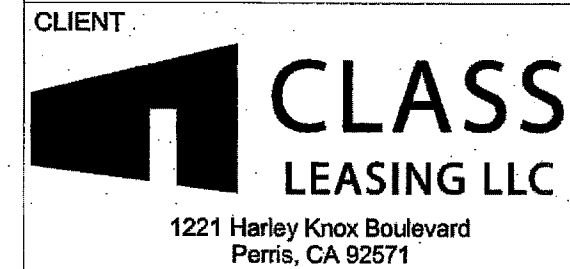
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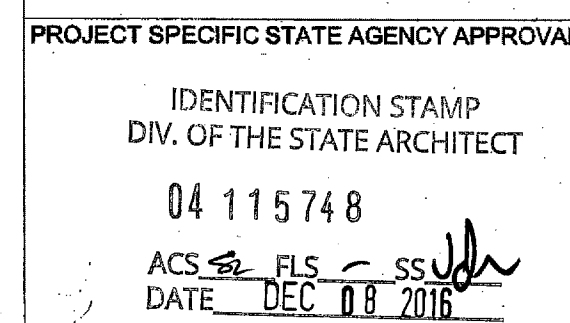
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PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'



Revision Schedule
Description Date

SHEET TITLE
CEILING DETAILS
(T-GRID)

PROJECT NUMBER
15046

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rMc/SM

CHECKED BY
JA/RT

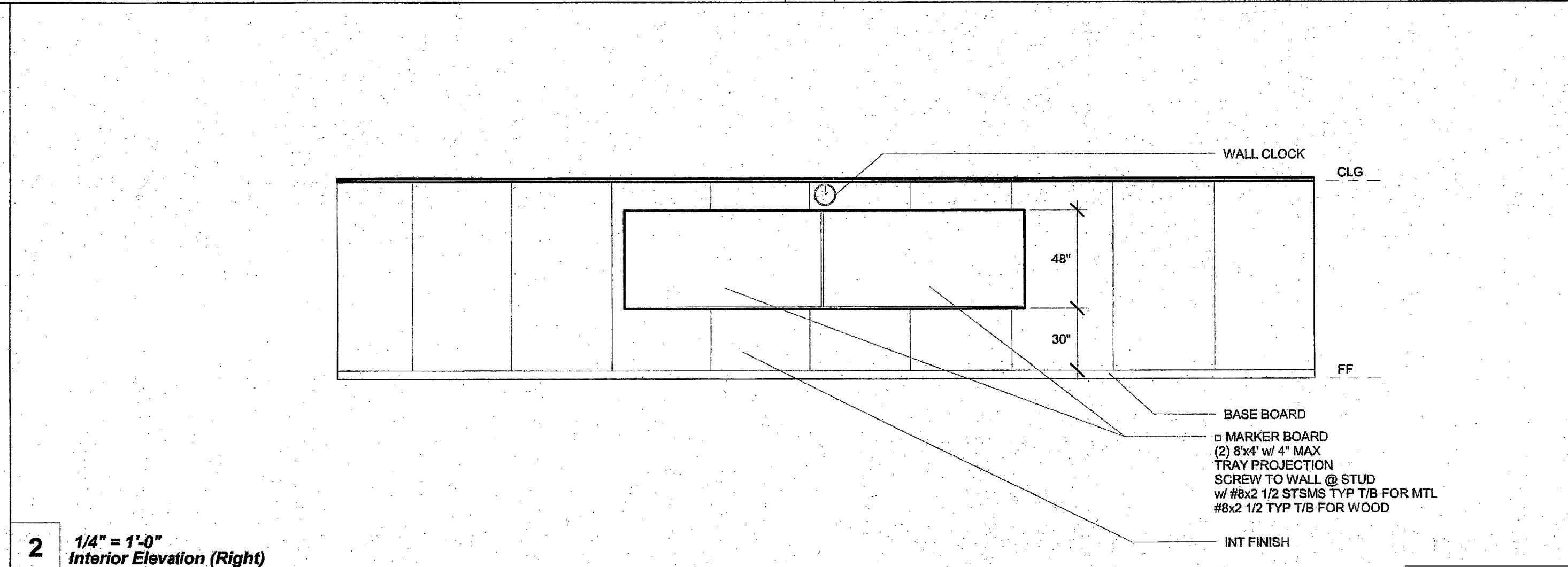
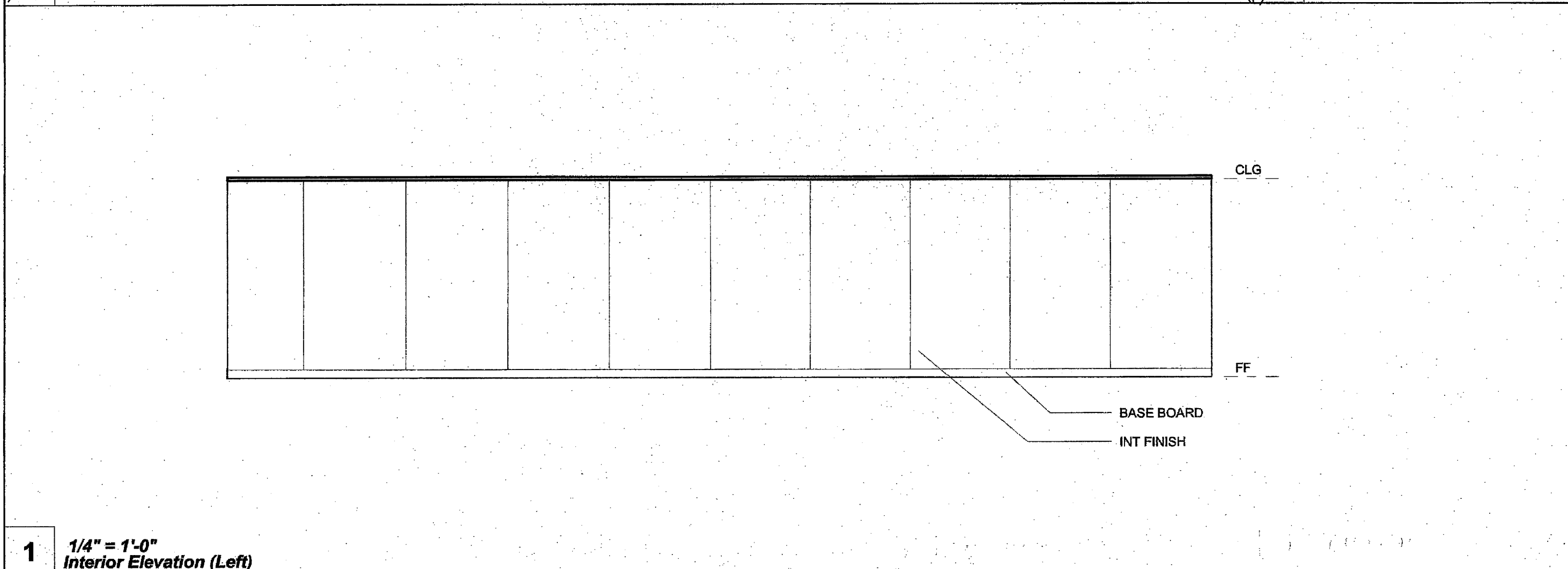
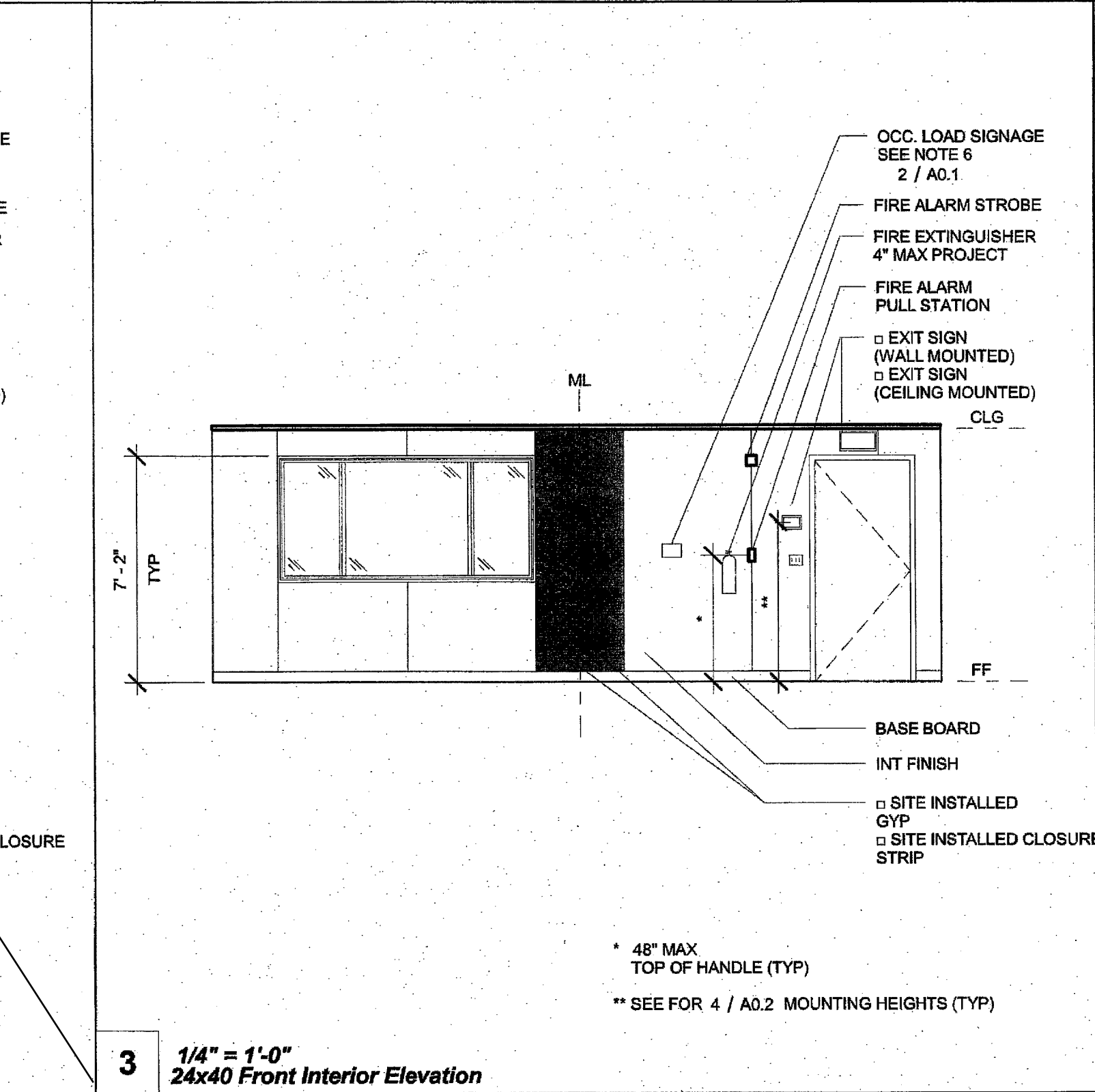
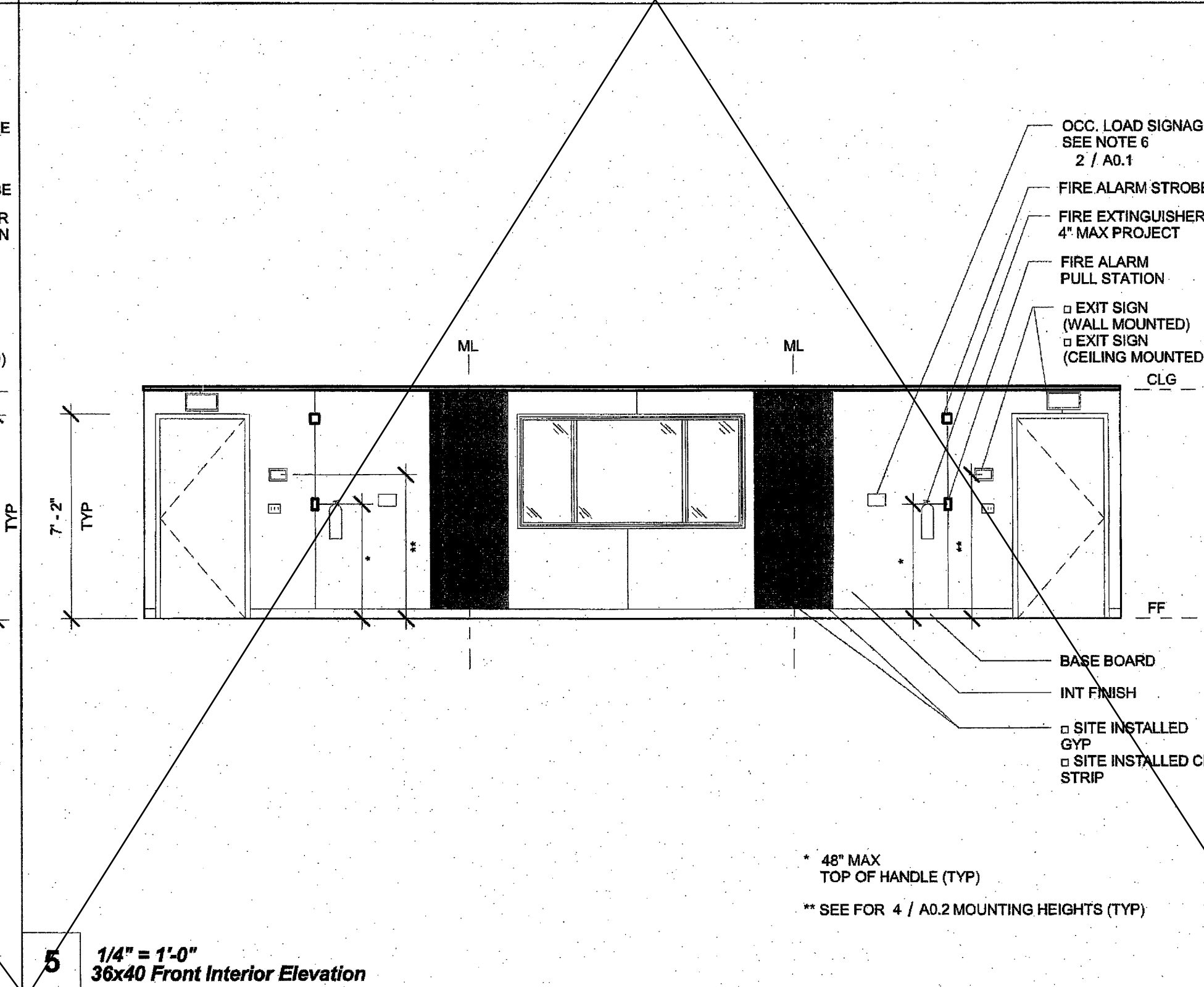
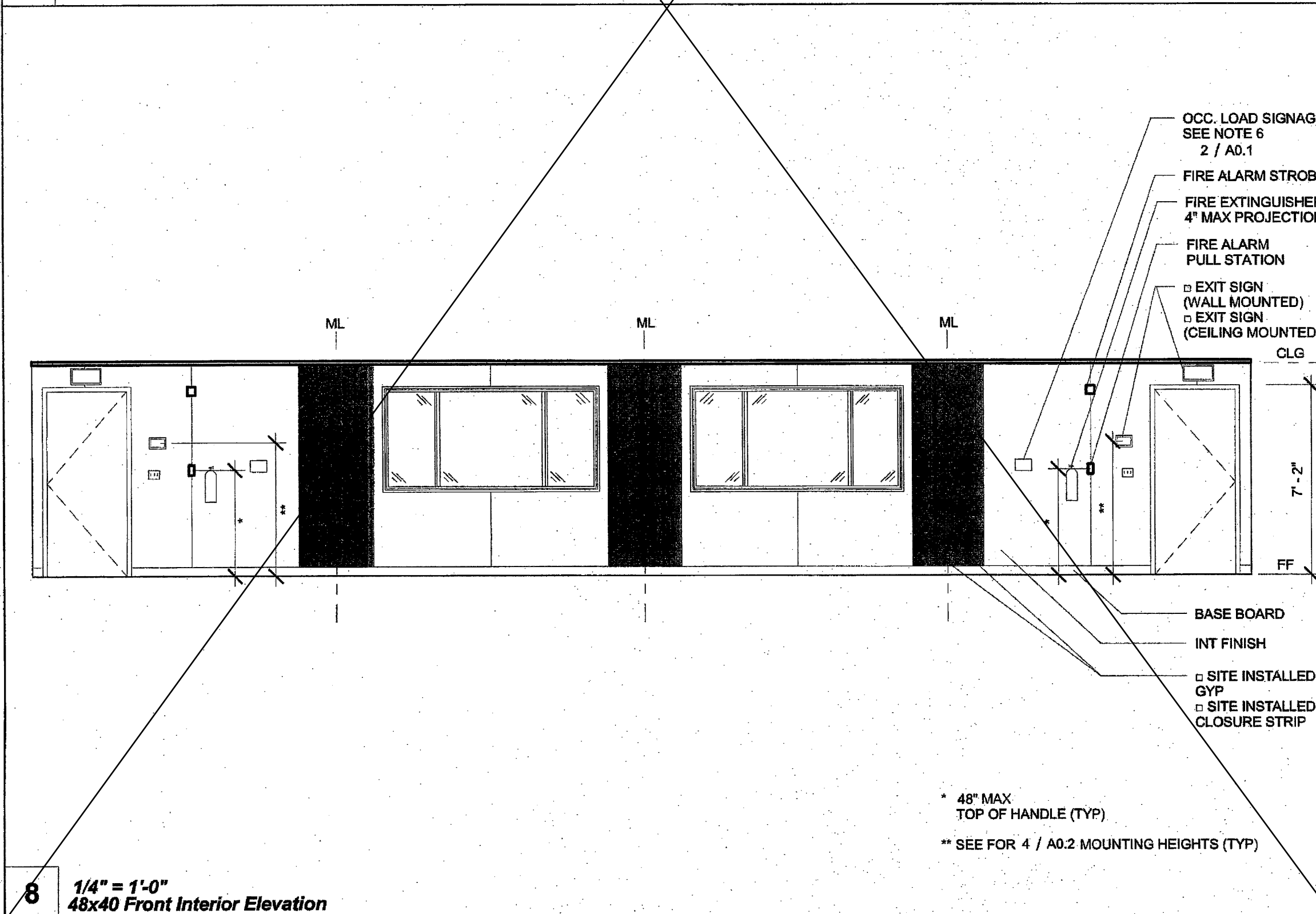
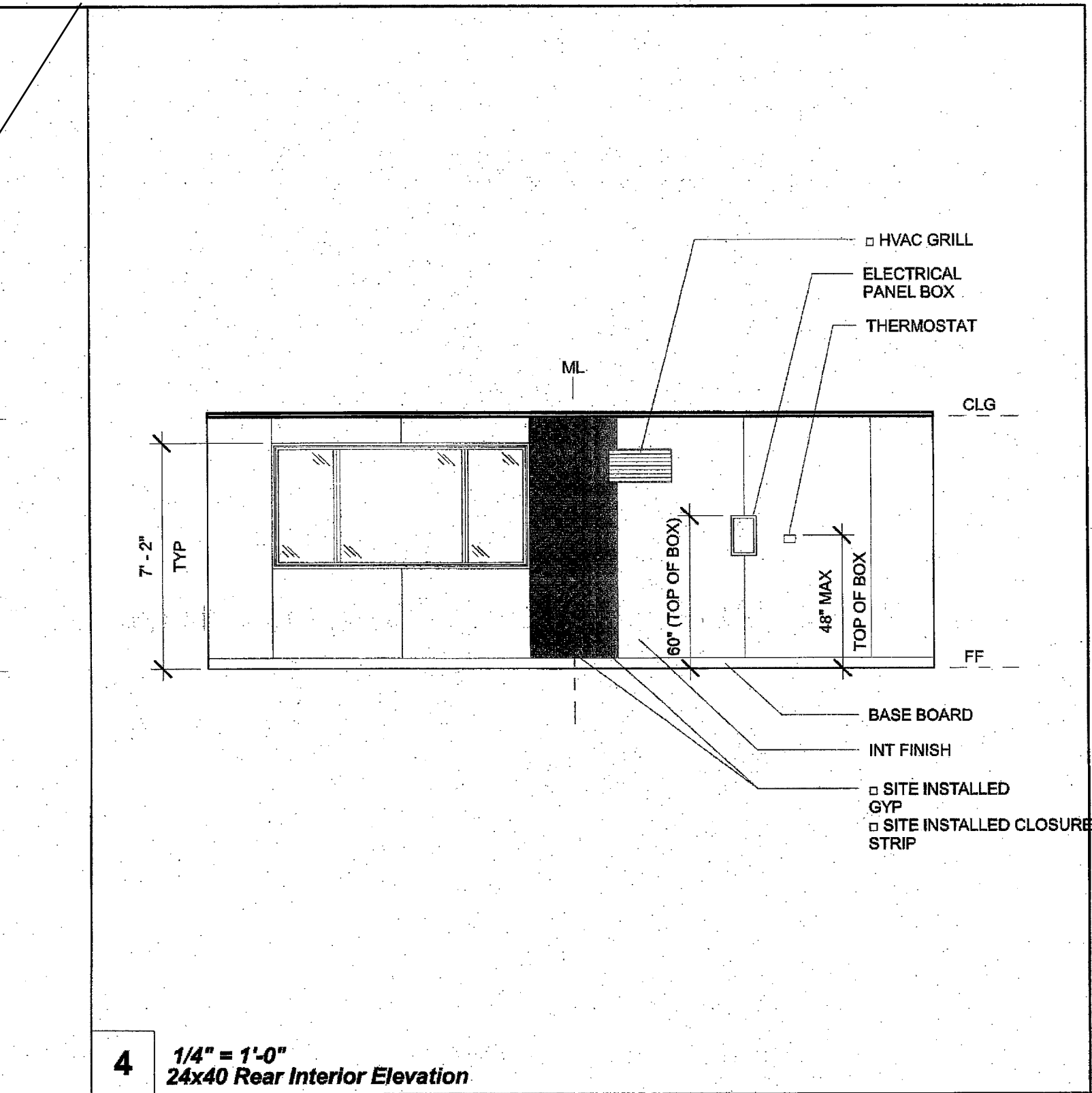
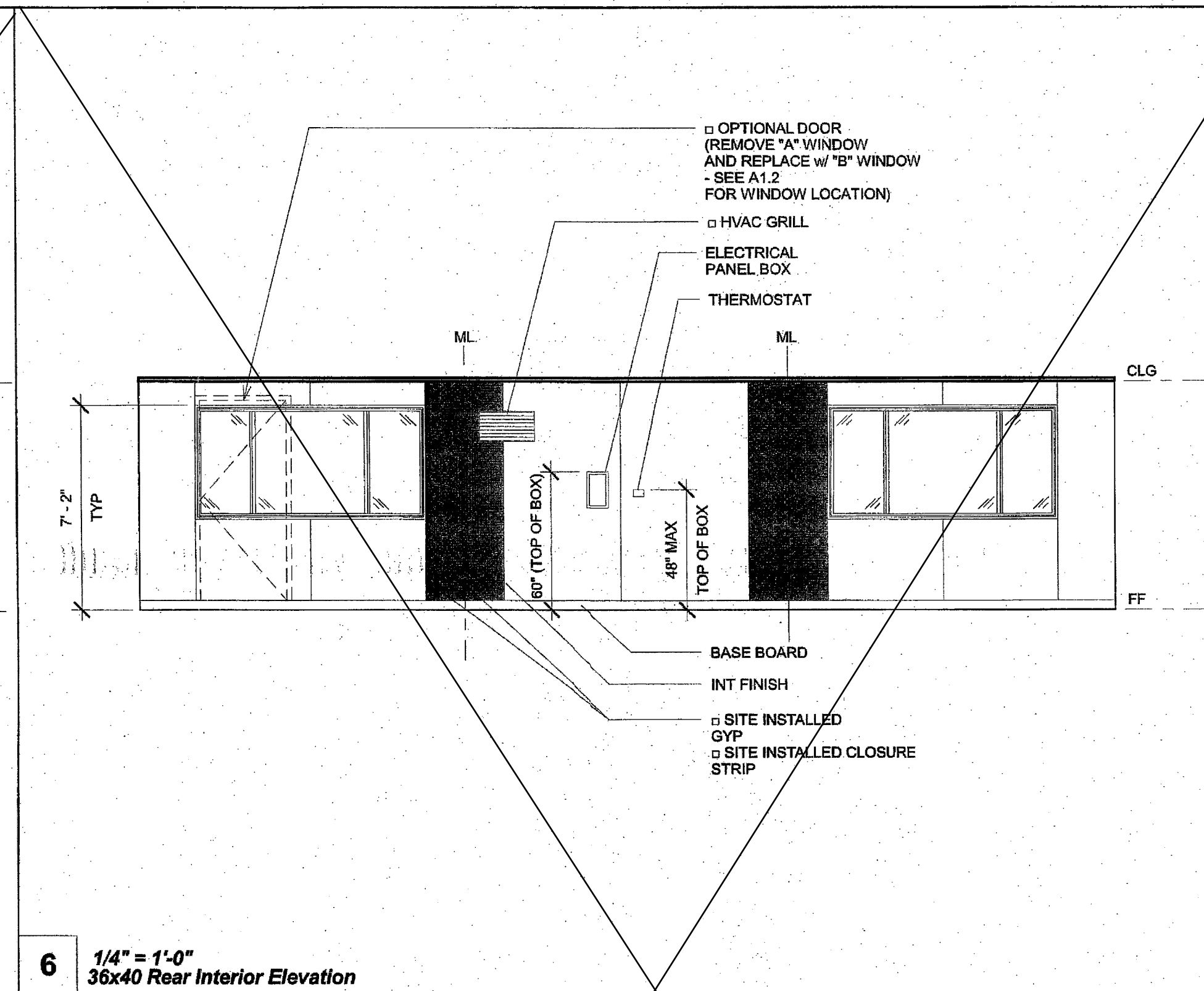
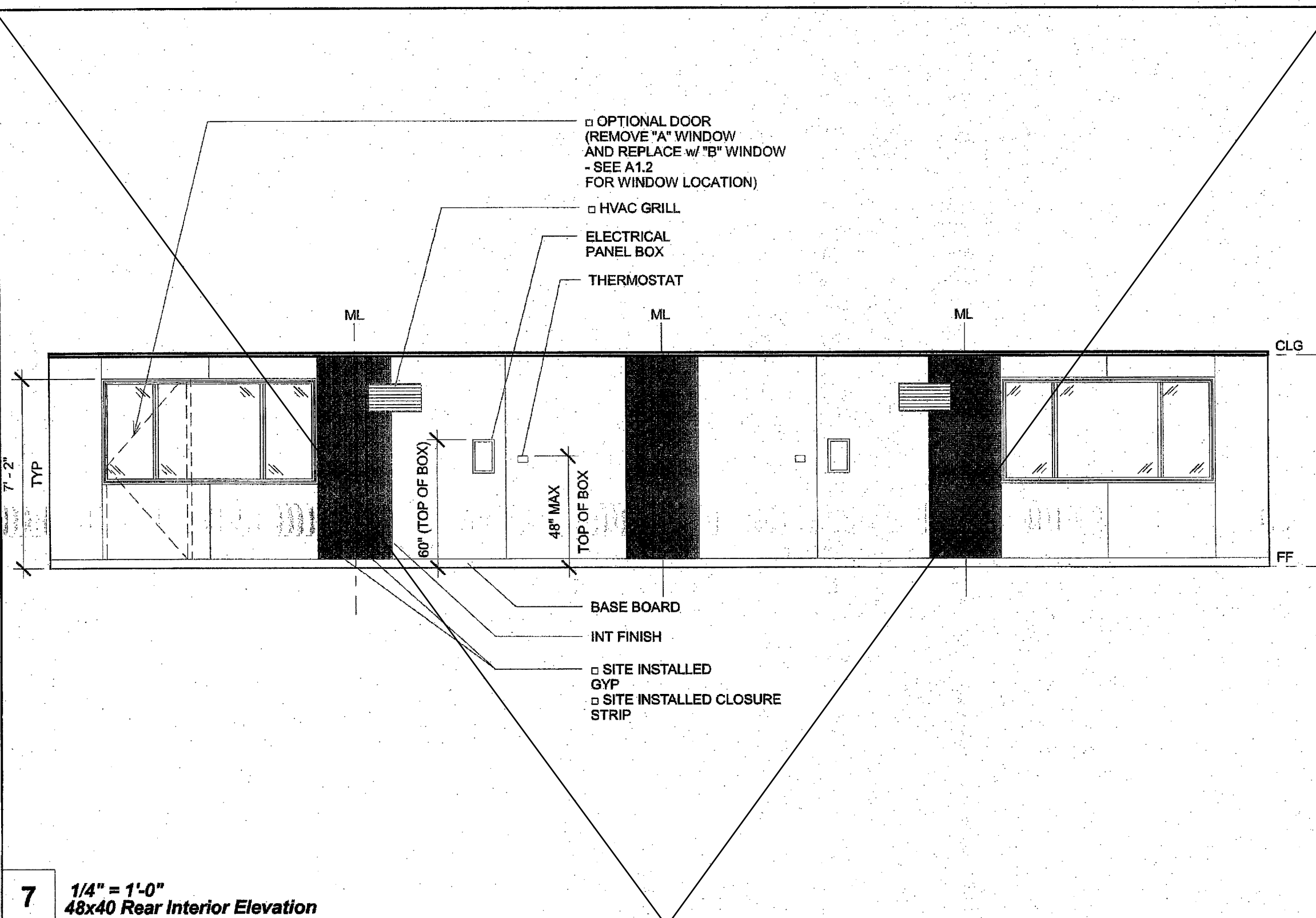
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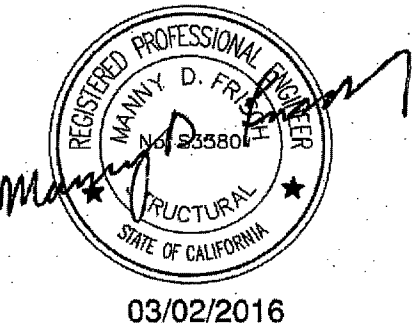
ADDENDUM

Proprietary Property of Class Leasing

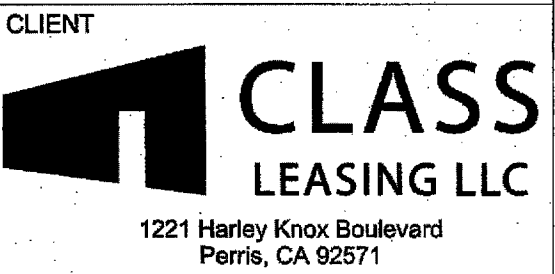
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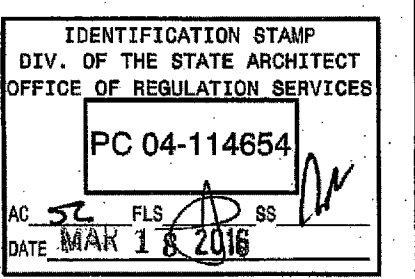
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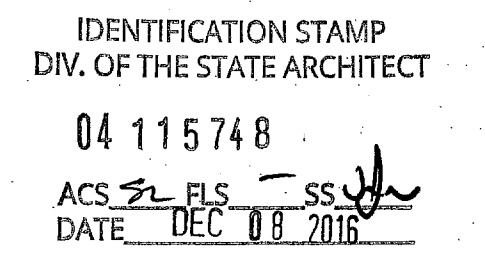


ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
INTERIOR ELEVATIONS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

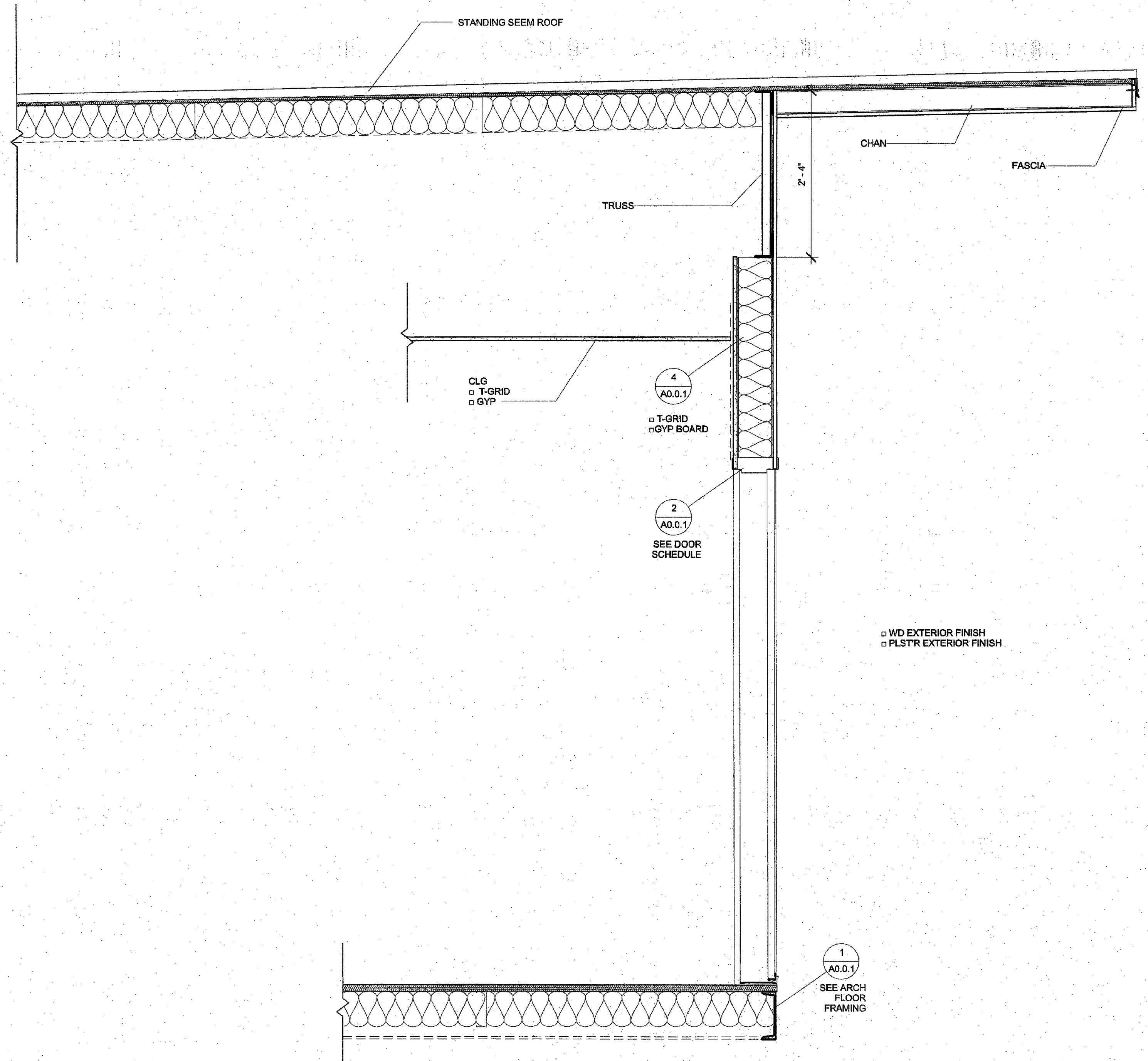
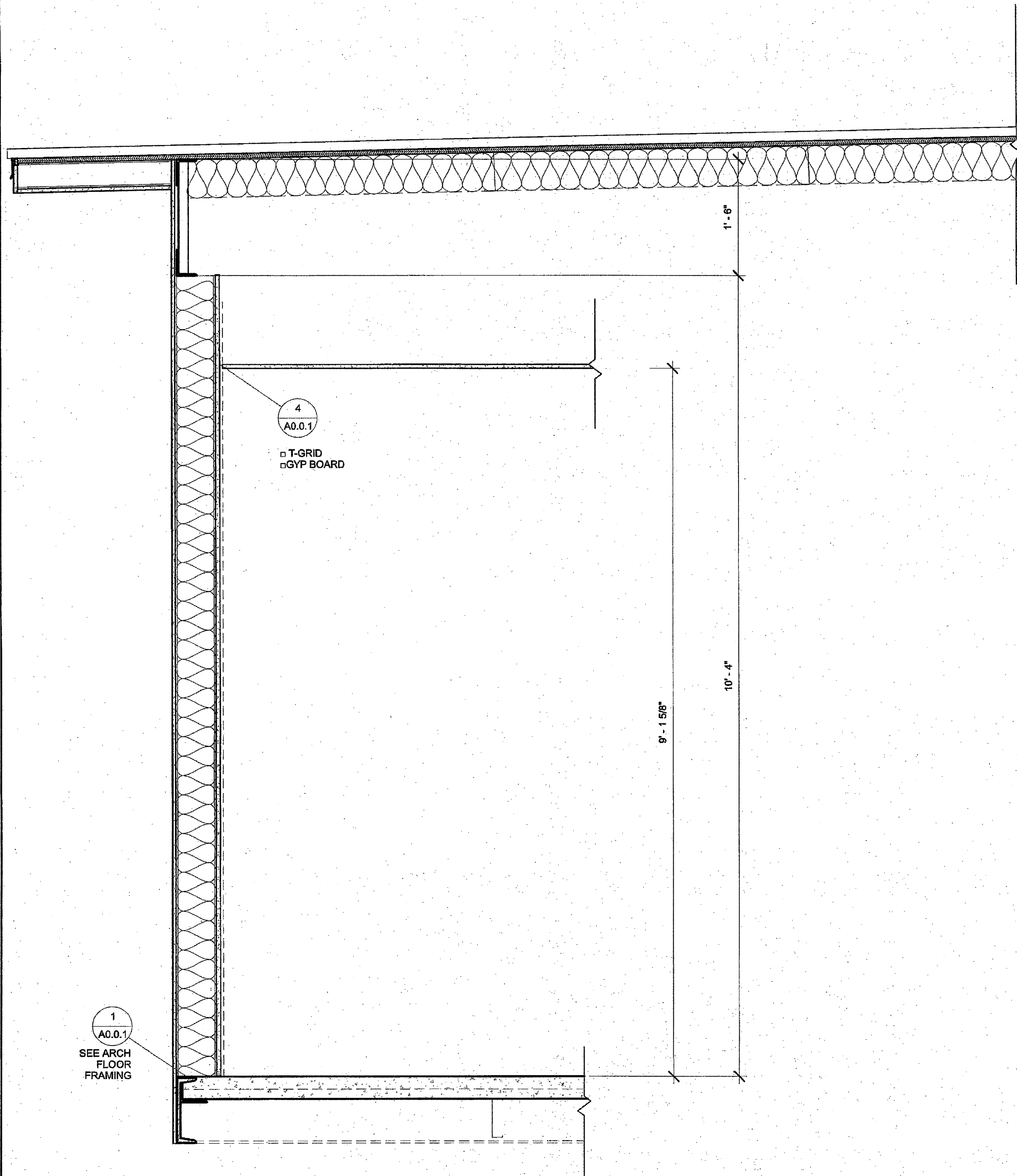
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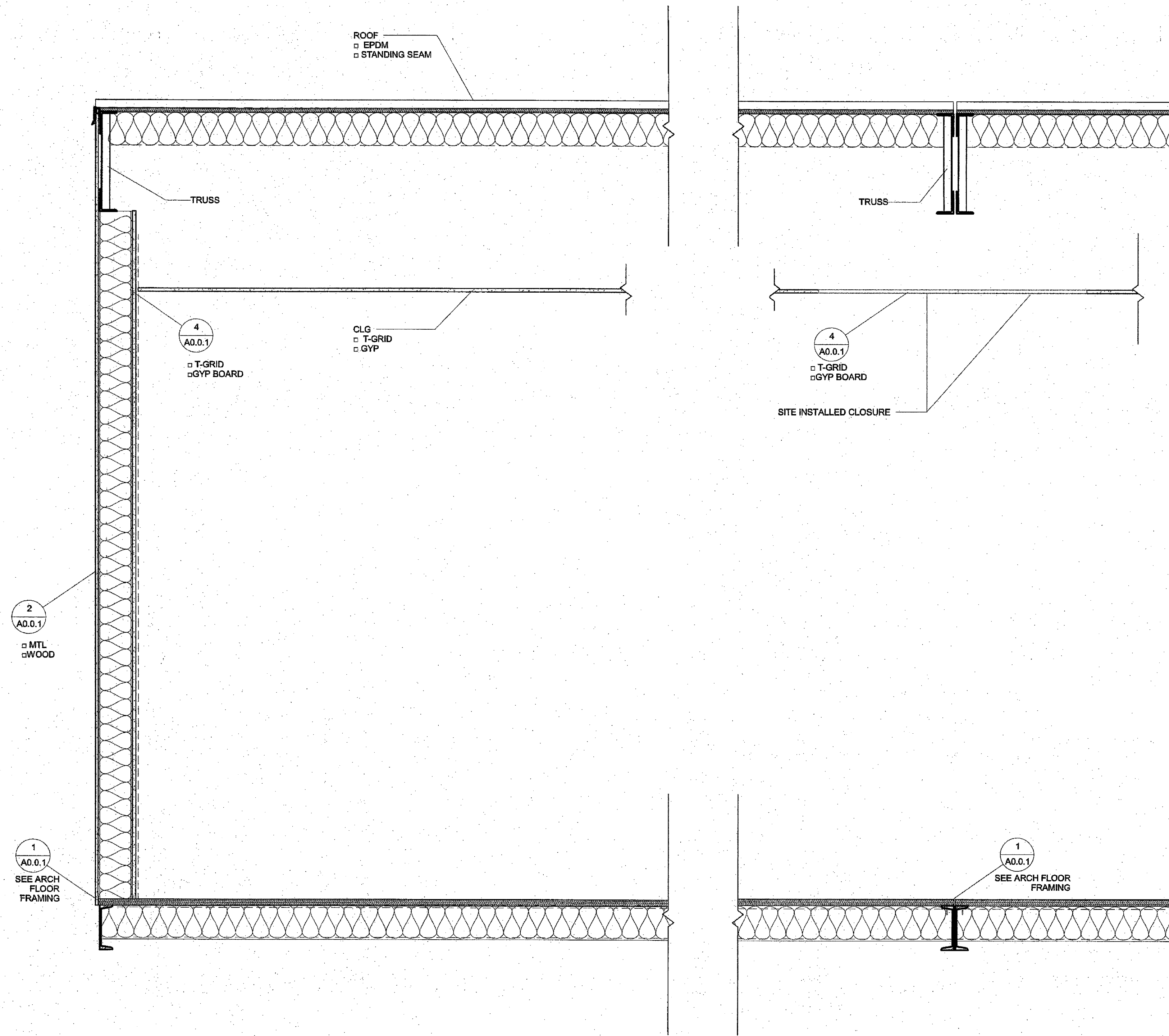
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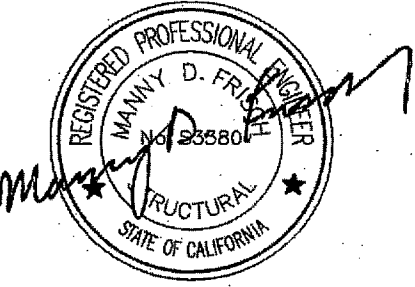


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1 1" = 1'-0" Latitudinal Section



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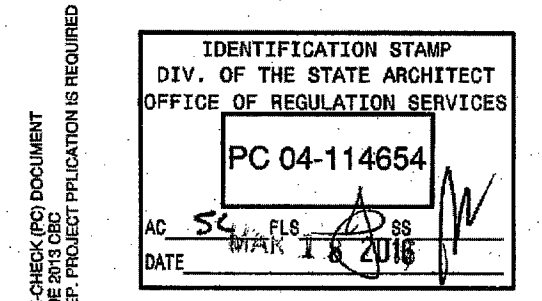
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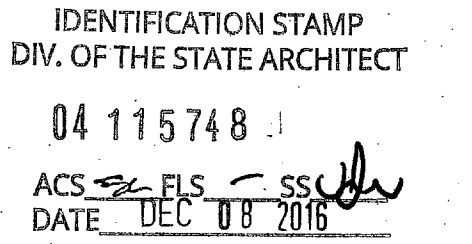
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

SHEET TITLE

SECTION

PROJECT NUMBER

15046

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JA/RT

DATE

2016/03/02

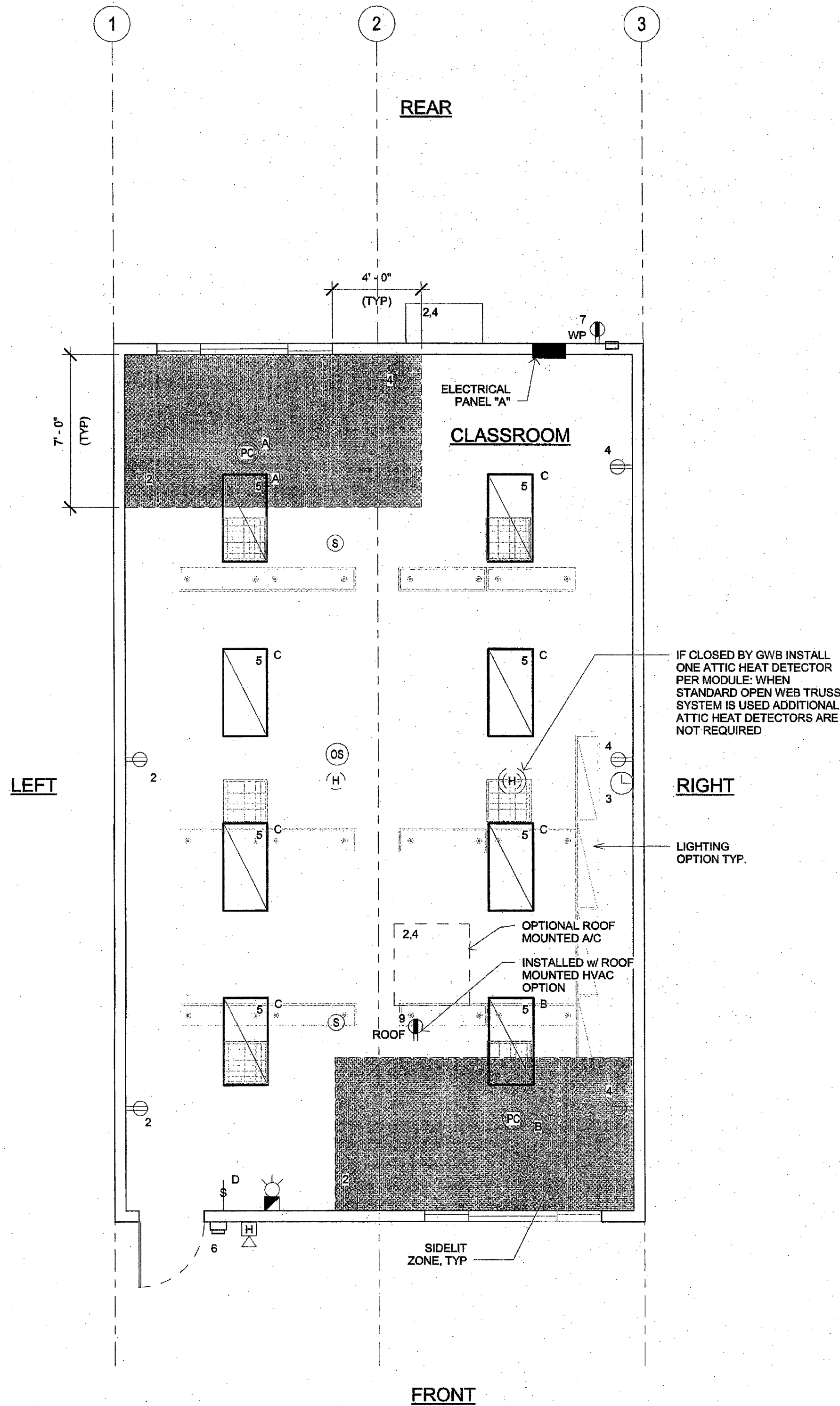
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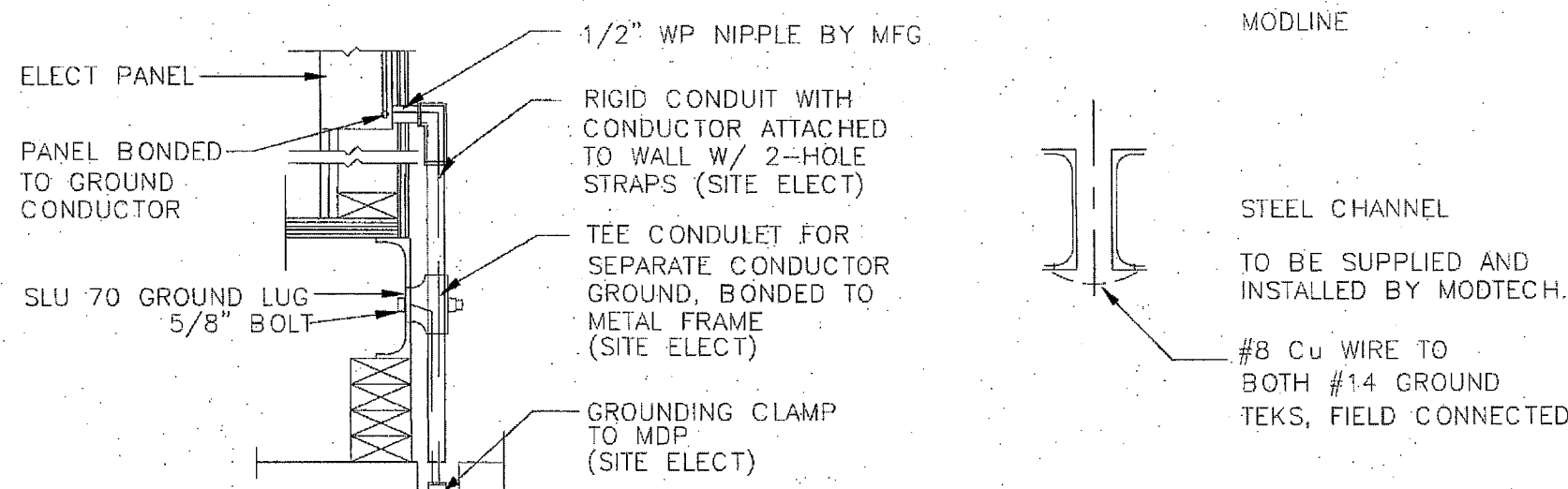
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ADDENDUM

Proprietary Property of Class Leasing



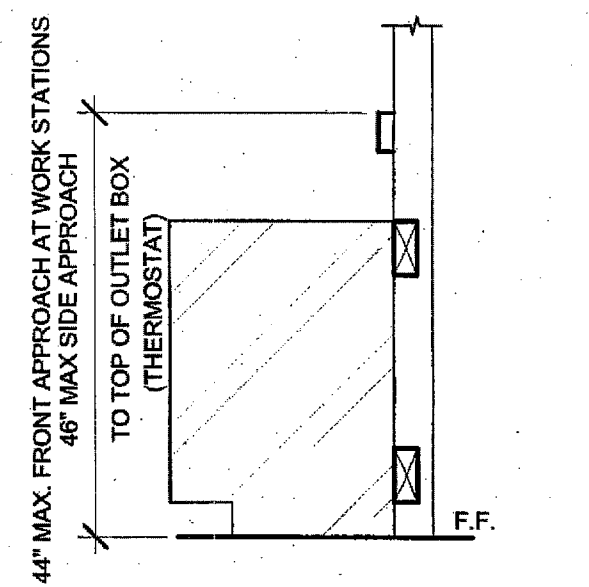
NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 6' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.



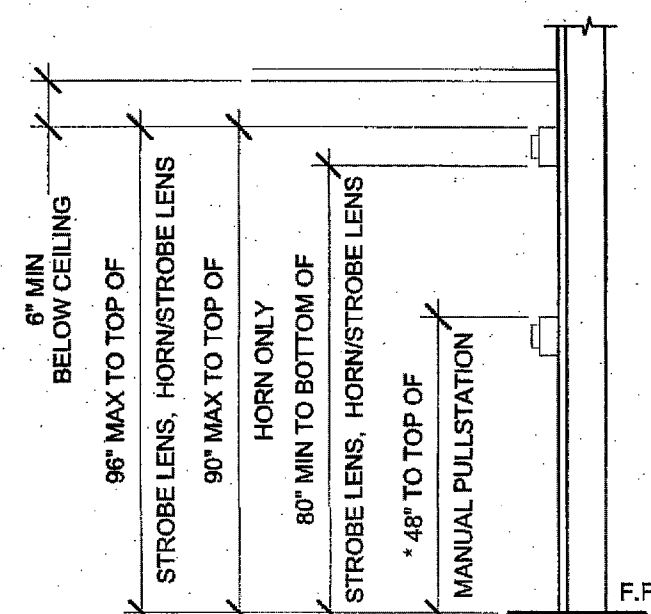
NOTES:

1. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECT. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
2. CHECK RESISTANT TO GROUND ROD. IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).
3. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
4. ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.
5. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66

2 1 1/2" = 1'-0" TYPICAL GROUNDING DETAIL



3 1" = 1'-0" ELEV. @ WORKSTATION



5 1" = 1'-0" FIRE ALARM MOUNTING HEIGHTS

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE GROUND SEPARATELY WITH A 3/4" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250

6 1" = 1'-0" GENERAL GROUNDING NOTES

EQUIPMENT ANCHORAGE AND BRACING

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 FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND 7-10 CHAPTER 13 AND 26.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

- A. 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 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.

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.

BRACING OF PIPING, DUCTWORK AND ELECTRICAL SYSTEM

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1615A.1.20, 1615A.1.21 AND 1615A.1.22.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

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

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

7 1" = 1'-0" EQUIPMENT ANCHORAGE AND BRACING

FIRE ALARM NOTES

PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT, WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 780.41 (B). BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM SYSTEM FOR ALL SITES, THE FIRE ALARM SYSTEM AND COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

8 1" = 1'-0" FIRE ALARM NOTES

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED			
			1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

9 1" = 1'-0" CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS	1 1/4"x4" SQ	18.0	8	7	6
4S	1 1/2"x4" SQ	21.0	9	8	7
4SD	2 1/8"x4" SQ	30.3	13	12	10
4SX	2 7/8"x4" SQ	43.5	23	21	17
5SD	2 1/8"x4-11/16" SQ	42.0	18	16	14
5SX	3 7/8"x4-11/16" SQ	86.0	36	34	28
664	4"x6" SQ	144.0	64	57	48

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

10 1" = 1'-0" JUNCTION BOX SIZE TABLE



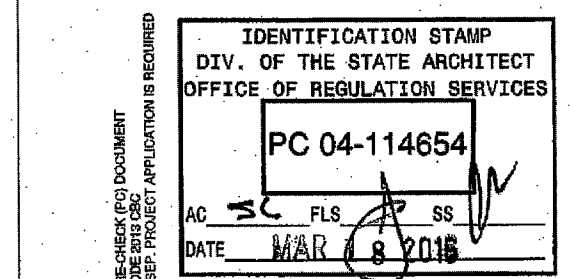
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CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

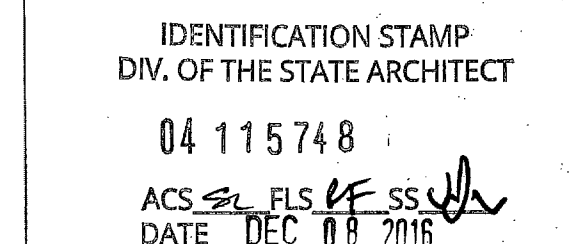
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
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SHEET TITLE
ELECTRICAL PLAN
24x40

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

SHEET NO.

E1.0

SHEET OF SHEETS

ADDENDUM

2 1" = 1'-0"
ELECTRICAL PANEL ROOF MOUNTED

PANEL A 24" x40"	120/208 VOLTS, 3 Ø, 3 WIRE						MAIN LUGS ONLY		PANEL BOX= 100A	
DESCRIPTION	LOADCENTER		SURFACE MOUNTED				GRD & NEUTRAL BARS		AMP BUS	
	VOLTAMPS		10000 AIC				VOLTAMPS			
	Ø A	Ø B	C/B	CKT	Ø	CKT	C/B	Ø A	Ø B	DESCRIPTION
AC Roof Mounted	7980		30	1	A	2	20	720		OUTLETS
		7360	30	3	B	4	20		720	OUTLETS
GENERAL LIGHTING	720		20	5	A	6	20	40		EXTERIOR LIGHT
EXTERIOR GFI/WP		180	20	7	B	8	20			
			20	9	A	10	20	40		FIRE ALARM
SUBTOTAL	Ø A 8080	Ø B 7540						Ø A 800	Ø B 720	SUBTOTAL
TOTAL	8880	8260						8880 /120 VOLTS= 74 74 AMPS + 18.5= 92.5 AMPS		

- ## LEGEND
- | | |
|--|--|
| | ELECTRICAL PANEL AT +80" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT |
| | ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS |
| | WALL MOUNTED HVAC UNIT, SEE MECHANICAL DWGS |
| | 100 CFM CEILING MOUNTED EXHAUST FAN, INTERLOCKED WITH LIGHT SWITCH |
| | 45D J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT |
| | 45D J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS), MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM, PROVIDE A 5'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION, CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1) |
| | 45D J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS), MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM, PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION, CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1) |
| | RECESSED 45D J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS, MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING |
| | 45D J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS), MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING |
| | 45D J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS), BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND AT LEAST 6" BELOW THE CEILING LINE WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING |
| | 45D J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS), MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING |
| | EXIT SIGN WITH BATTERY BACK UP, EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS, CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL. |
| | CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE |
| | EXTERIOR LED LIGHT FIXTURE, 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF |
| | ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE |
| | GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS |
| | EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS) |
| | DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE, MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE |
| | 3-WAY LIGHT SWITCH, MOUNT AT +48" AFF TO TOP OF OUTLET BOX |
| | LIGHT SWITCH, MOUNT AT +48" AFF TO TOP OF OUTLET BOX |
| | SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101 OR EQUAL |
| | SINGLE SWITCH WALL OCCUPANCY SENSOR, WATTSTOPPER PW-100 OR EQUAL, SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT. |
| | ULTRASONIC CEILING OCCUPANCY SENSOR, WATTSTOPPER W-500A OR EQUAL, SENSOR TO BE CONNECTED TO KEVED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS. |
| | CEILING MOUNTED PHOTOCELL, WATTSTOPPER #MLMS-500 OR EQUAL |
| | CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER #MPC-100 OR EQUAL |
| | 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING-MODEL 24.0T.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48" LG) OR EQUAL |
| | 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING-MODEL 24.0T.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48" LG) OR EQUAL |
| | 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING-MODEL 24.0T.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48" LG) OR EQUAL |

ABB.	DESCRIPTION	SYMBOL
WM	WALL MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	WM-1
RM	ROOF MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	RM-1
P.O.C	POINT OF CONNECTION	P.O.C
CO2	CARBON MONOXIDE SENSOR	CO2
BT	BYPASS TIMER	BT
STAT	THERMOSTAT	STAT
UC	UNDERCUT DOOR	UC
MVD	MANUAL VOLUME DAMPER	MVD
FD	FIRE DAMPER	FD
VTR	VENT THRU ROOF	VTR
ER	EXHAUST CEILING REGISTER	ER
CR	RETURN CEILING REGISTER	CR
CD	SUPPLY CEILING DIFFUSER	CD
(L)	LINED DUCTWORK	(L)
EAD	EXHAUST AIR DUCT	EAD
RAD	RETURN AIR DUCT	RAD
SAD	SUPPLY AIR DUCT	SAD
EF	EXHAUST FAN	EF

EQUIPMENT ANCHORAGE AND BRACING

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 FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND 7-10 CHAPTER 13 AND 26.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.

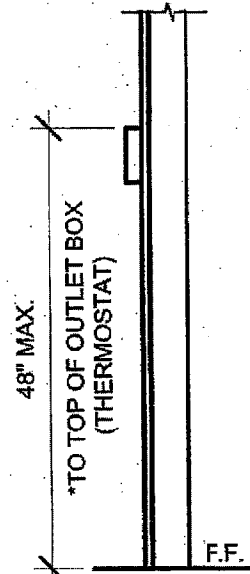
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

A. 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 COMPONENT.

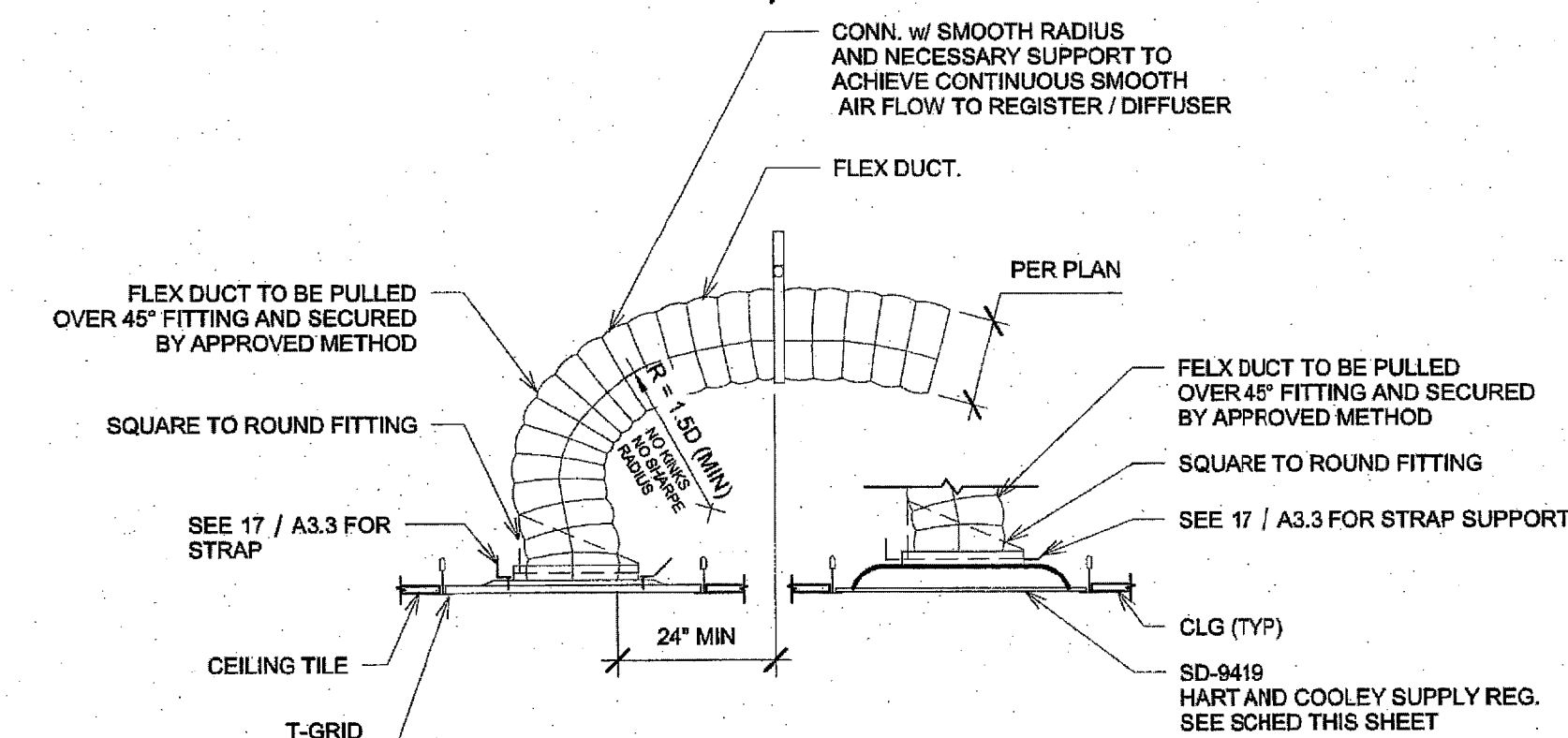
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OR 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. PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE: PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.8.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1615A.1.20, 1615A.1.21 AND 1615A.1.22. THE BRACINGS AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D. COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

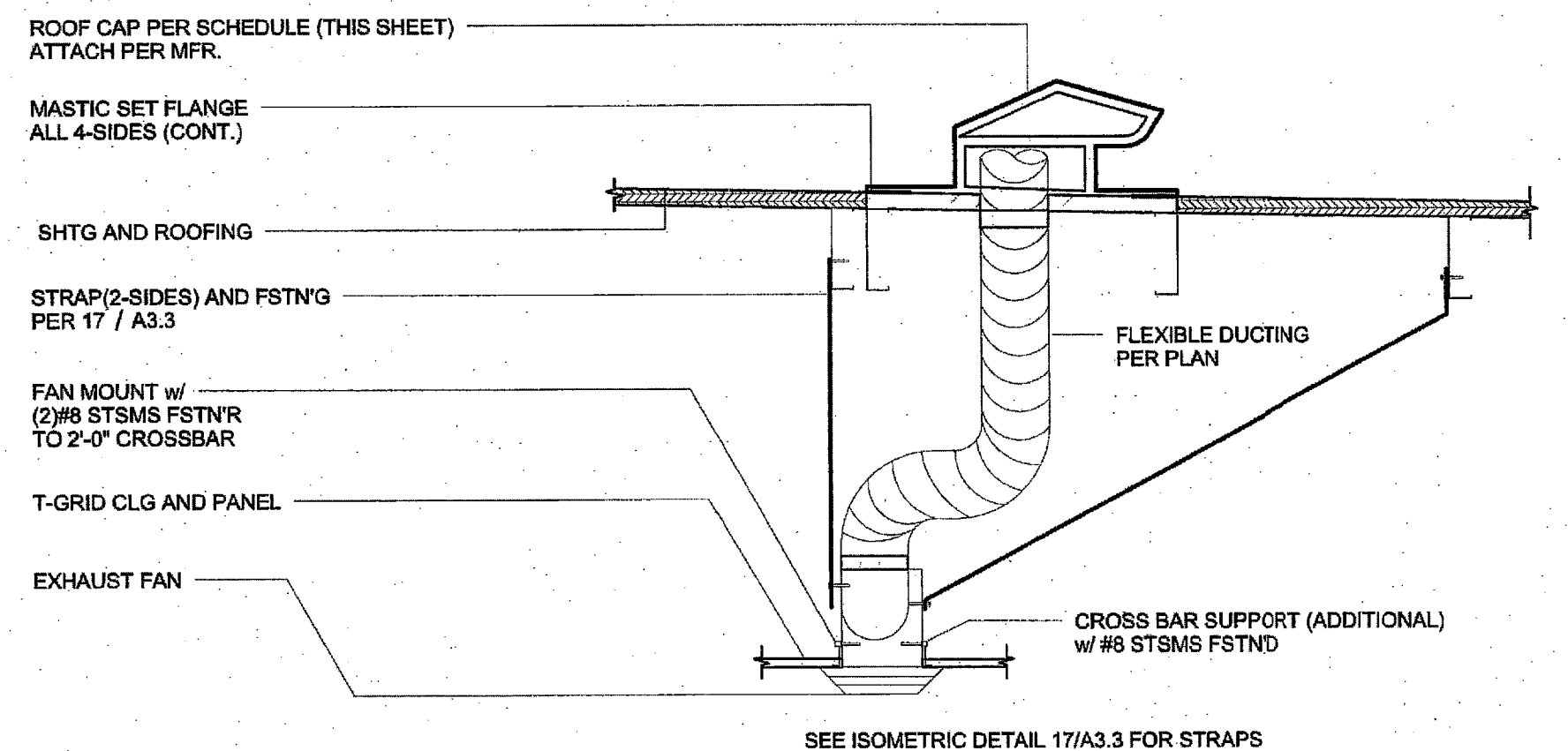


* 30"x48" MIN CLR FLOOR SPACE AT EACH LOCATION FOR PERPENDICULAR APPROACH

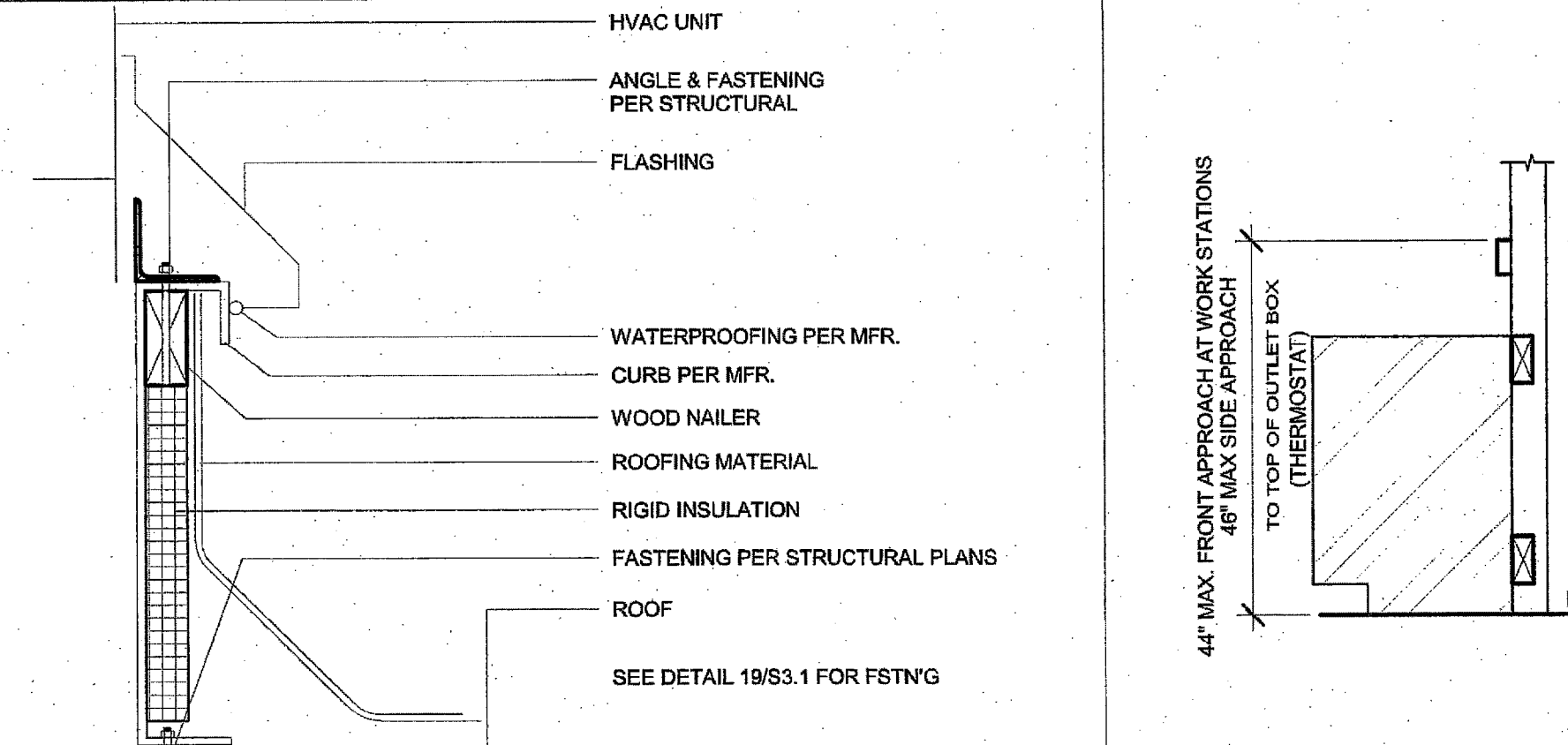
5 1" = 1'-0" EQUIPMENT ANCHORAGE AND BRACING



6 1/2" = 1'-0" Round Air Distribution



7 1" = 1'-0" EXHAUST FAN INSTALLATION AND ROOF CAP



8 1" = 1'-0" CURB AND MOUNTING

10 1" = 1'-0" ELEV. @ WORKSTATION

9 EER				10 EER			
SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE				SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE			
TAG	STANDARD	OPTION #1	OPTION #2	TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	WM-1	WM-1	WM-1	NOMINAL TONNAGE	WM-1	WM-1	WM-1
MANUFACTURER	4.0 TONS	5 TONS	3.5 TONS	MANUFACTURER	4.0 TONS	5 TONS	3.5 TONS
MODEL#	**BARD	**BARD	**BARD	MODEL#	**BARD	**BARD	**BARD
CFM	W48H2-A04	W60H2-A05	W42H2-A04	CFM	S48H2-A05	S61H2-A05	S43H2-A04
STATIC PRESSURE	1650	1700	1400	STATIC PRESSURE	1400	1450	1250
DRIVE	0.3	0.3	0.3	DRIVE	0.2	0.2	0.15
MCA	DIRECT	DIRECT	DIRECT	MCA	DIRECT	DIRECT	DIRECT
MOCP	58	67	57	MOCP	65	69	55
VOLTAGE	60	80	60	VOLTAGE	70	80	60
WIRE SIZE (PWR/GRND)	208/230-1	208/230-1	208/230-1	WIRE SIZE (PWR/GRND)	208/230-1	208/230-1	208/230-1
DESIGN RETURN AIR (DB/WB)	#6/#10	#4/#8	#6/#10	DESIGN RETURN AIR (DB/WB)	#6/#10	#4/#8	#6/#10
SENSIBLE COOLING @ 95° F	80/67	80/67	80/67	SENSIBLE COOLING @ 95° F	80/67	80/67	80/67
TOTAL COOLING @ 95° F	35,600	39,600	32,700	TOTAL COOLING @ 95° F	34,400	37,900	31,200
HEATING CAP. BTUH @ 47° F	46,000	54,000	42,000	HEATING CAP. BTUH @ 47° F	46,000	55,000	41,500
HEATING CAP. BTUH @ 17° F	44,000	54,000	42,000	HEATING CAP. BTUH @ 17° F	45,000	52,000	39,000
OPERATING WEIGHT	26,000	32,000	25,000	OPERATING WEIGHT	26,000	30,000	23,000
EER	550#	580#	550#	EER	550#	580#	550#
COP @ 47° F	9.00	9.00	9.00	COP @ 47° F	10.00	10.40	10.50
COP @ 17° F	3.00	3.00	3.00	COP @ 17° F	3.00	3.00	3.20
	2.00	2.00	2.00		2.00	2.00	2.10

9 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE			
TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	WM-2	WM-2	WM-2
MANUFACTURER	4.0 TONS	5 TONS	3.5 TONS
MODEL#	BARD	**BARD	BARD
CFM	W48G2-AXB	W60G2-AXB	W42G2-AXB
STATIC PRESSURE	1600	1750	1300
DRIVE	0.2	0.2	0.2
MCA	DIRECT	DIRECT	DIRECT
MOCP	38	40	32
VOLTAGE	50	60	50
WIRE SIZE (PWR/GRND)	208/230-1	208/230-1	208/230-1
DESIGN RETURN AIR (DB/WB)	#6/#10	#6/#10	#6/#10
SENSIBLE COOLING @ 95° F	80/67	80/67	80/67
TOTAL COOLING @ 95° F	35,260	40,700	30,500
HEATING INPUT	48,500	57,000	40,500
HEATING OUTPUT	75,000	75,000	75,000
OPERATING WEIGHT	61,500	61,500	61,500
EER	710#	725#	700#
SEER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

14 SEER

SINGLE PACKAGE ROOF TOP HEAT PUMP SCHEDULE			
TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	RM-1	RM-1	RM-1
MANUFACTURER	4.0 TONS	5 TONS	3.5 TONS
MODEL#	**CARRIER	**CARRIER	**CARRIER
CFM	50VT-A-48-31	50VT-A-60-31	50VT-A-42-31
STATIC PRESSURE	1800	1750	1400
DRIVE	0.2	0.2	0.15
MCA	DIRECT	DIRECT	DIRECT
MOCP	64	72	59
VOLTAGE	70	80	60
WIRE SIZE (PWR/GRND)	208/230-1	208/230-1	208/230-1
DESIGN RETURN AIR (DB/WB)	#6/#10	#6/#10	#6/#10
SENSIBLE COOLING @ 95° F	80/67	80/67	80/67
TOTAL COOLING @ 95° F	35,260	40,700	30,500
HEATING CAP. BTUH @ 47° F	48,500	57,000	40,500
HEATING CAP. BTUH @ 17° F	45,500	59,000	41,500
OPERATING WEIGHT	26,000	32,000	23,000
SEER/SEER	580#	615#	572#
AFUE	14.5/12.0	14.5/12.0	14.5/12.0
COP @ 47° F	8.0	8.0	8.0
COP @ 17° F	3.4	3.5	3.4
	2.4	2.4	2.3

14 SEER (GAS ALTERNATE)

SINGLE PACKAGE ROOF TOP AIR CONDITIONER WITH GAS FURNACE			
TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	RM-2	RM-2	RM-2
MANUFACTURER	4.0 TONS	5 TONS	3.5 TONS
MODEL#	**CARRIER	**CARRIER	**CARRIER
CFM	48VL-A-4809030	48VL-A-6009030	48VL-A-4209030
STATIC PRESSURE	1600	1750	1400
DRIVE	0.2	0.2	0.15
MCA	DIRECT	DIRECT	DIRECT
MOCP	36.1	41.8	29.6
VOLTAGE	50	60	40
WIRE SIZE (PWR/GRND)	208/230-1	208/230-1	208/230-1
DESIGN RETURN AIR (DB/WB)	#6/#10	#6/#10	#6/#10
SENSIBLE COOLING @ 95° F	80/67	80/67	80/67
TOTAL COOLING @ 95° F	35,260	40,700	30,500
HEATING INPUT	48,500	57,000	40,500
HEATING OUTPUT	90,000	90,000	90,000
OPERATING WEIGHT	73,000	73,000	73,000
SEER/SEER	590#	618#	572#
AFUE	14.2/12.0	14.2/12.0	14.5/12.0
	80.4%	80.4%	80.4%

HVAC NOTES

1. SET BACK THERMOSTAT SHALL BE PROVIDED
2. MINIMUM OUTSIDE AIR 15 CFM PER OCCUPANT AND THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION
3. THE CO2 SENSOR SHALL NOT BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND NEED TO BE LOCATED ACCORDINGLY, AND PLACED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
4. AIR HANDLERS WITH OTHER VOLTAGES SHOULD BE ACCEPTABLE, AS WELL AS OTHERS THAN THE MAKE AND MODELS LISTED ON THESE TABLES, WHEN THE NOMINAL TONNAGE DOES NOT EXCEEDS 5 TON AND THE SEER, HSPF AND COP VALUES ARE NO LESS THAN SHOWN.
5. MODEL NUMBERS FOR HEAT PUMP UNITS WITH OPTIONAL 5.0 AUXILIARY HEAT STRIPS, WHEN THE HEAT STRIP IS NOT USED, THE MCA AND MOCP MUST BE VERIFIED AND HEAT STRIPS LARGER THAN THE SIZES SHOWN MAY NOT BE USED.

*FOR 24x40 BUILDING A 5 TONS UNIT IS ONLY TO BE USED ON COMPUTER LAB APPLICATION

**OR EQUAL

1 1" = 1'-0" LEGEND

CEILING MOUNTED EXHAUST FAN

SYM.	USE	MFR/MODEL	CFM	SOUND LEVEL	SP	VOLTS	Ø	POWER	WGT#	NOTES
EF A	BATHROOM EXHAUST	* BROAN L100	109	1.0 SONES	0.25	120	1	87 WATTS	22.80#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF B	BATHROOM EXHAUST	* BROAN L200	210	2.0 SONES	0.25	120	1	127 WATTS	23#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF C	BATHROOM EXHAUST	* BROAN L300	308	2.8 SONES	0.25	120	1	212 WATTS	23.10#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF D	BATHROOM EXHAUST	* BROAN 676	100	4.0 SONES	0.25	120	1	156 WATTS	7#	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

* OR APPROVED EQUAL.

2 1" = 1'-0" CEILING MOUNTED EXHAUST FAN SCHEDULE

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-150	SEE DETAIL FOR MAKE AND MODEL
8"Ø	150-230	SEE DETAIL FOR MAKE AND MODEL
10"Ø	230-350	SEE DETAIL FOR MAKE AND MODEL
12"Ø	350-460	SEE DETAIL FOR MAKE AND MODEL
14"Ø	460-640	SEE DETAIL FOR MAKE AND MODEL

Fixed Curve Blade, 4-way throw

3 1" = 1'-0" PFG SCHED (SUPPLY)

PERFORATED FACE GRILLE SCHEDULE (RETURN)

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-230	SEE MECH CLG PLAN FOR SIZE
10"Ø	230-460	SEE MECH CLG PLAN FOR SIZE
14"Ø	460-710	SEE MECH CLG PLAN FOR SIZE

Shoemaker 105P with 24 ga. 45 deg.

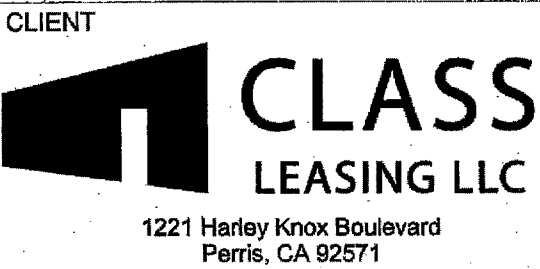
4 1" = 1'-0" PFG SCHED (RETURN)



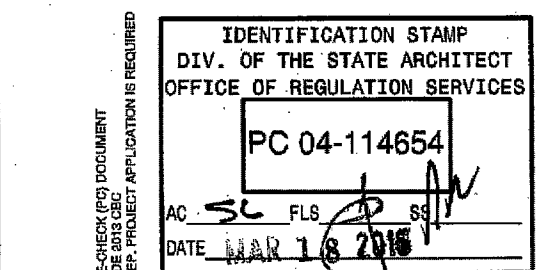
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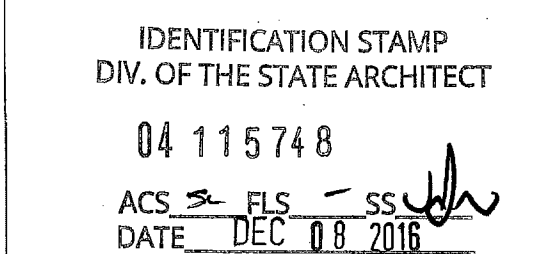


ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
MISCELLANEOUS
NOTES & DETAILS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
M0.1

SHEET OF SHEETS

ADDENDUM

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information)
1. Dry System Equipment (Fan & Economizer info included below in Table R)
2. Wet System Equipment
N. ECONOMIZER & FAN SYSTEMS SUMMARY

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Lal Sahgal
Company: LSA CONSULTING ENGINEERS
Address: 83, Windwest Way
City/State/Zip: Mission Viejo, CA, 92692
Phone: (949) 830-4746
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury under the laws of the State of California:
1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or as a licensed architect.
2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 5737.1 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3. I affirm that I am eligible under Division 9 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 5737.1.
Responsible Envelope Designer Name:
Company: R&S Tavares Associates
Address: 11777 Bernardo Plaza Ct, Suite 105
City/State/Zip: San Diego, CA, 92128
Phone: 688-444-3344
Responsible Lighting Designer Name:
Company: R&S Tavares Associates
Address: 11777 Bernardo Plaza Ct, Suite 105
City/State/Zip: San Diego, CA, 92128
Phone: 688-444-3344
Responsible Mechanical Designer Name: Lal Sahgal
Company: LSA Consulting Engineers
Address: 83, Windwest Way
City/State/Zip: Mission Viejo, CA, 92692
Phone:

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY
The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.
The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
NRCC-PRF-ENV-DETAILS - SECTION START-
A. OPAQUE SURFACE ASSEMBLY DETAILS
1. Surface Name
2. Surface Type
3. Description of Assembly Layers
4. Notes
B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)
This Section Does Not Apply
C. OPAQUE DOOR SUMMARY
1. Opaque Door Assembly Name / Tag or I.D.
2. Door Type
3. Certification Method
4. Operation
5. Overall U-factor

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
NRCC-PRF-LTI-DETAILS - SECTION START-
A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E)
1. Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(c)(2) and Table 140.6-A)
2. Control Credit Calculation
3. VLT Acceptance Test Required
B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E)
1. General lighting power (see Table D)
2. General lighting power from special function areas (see Table E)
3. Additional "use it or lose it" (see Table G)
C. TAILORED METHOD LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E)
1. General lighting power (see Table D)
2. General lighting power from special function areas (see Table E)
3. Additional "use it or lose it" (see Table G)
D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E)
This Section Does Not Apply
E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E)
1. Room Number
2. Primary Function Area
3. Illuminance Value (lux)
4. Room Cavity Ratio (Table G)
5. Allowed LPD
6. Floor Area (ft²)
7. Allowed Watts

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)
1. Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in ceiling)
2. Installed Watts (Conditioned)
3. Name or Item Tag
4. Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32R, one dimmable electronic ballast)
5. Watts per luminaire
6. Hour Wattage is Determined
7. CEC Default
8. According to §130.0(c)
9. Total Number Luminaires
10. Installed Watts
11. Pass
12. Fail
S1. COVERED PROCESS SUMMARY - ENCLOSED PARKING GARAGES
This Section Does Not Apply
S2. COVERED PROCESS SUMMARY - COMMERCIAL KITCHENS
This Section Does Not Apply
S3. COVERED PROCESS SUMMARY - COMPUTER ROOMS
This Section Does Not Apply
S4. COVERED PROCESS SUMMARY - LABORATORY EXHAUSTS
This Section Does Not Apply
T. UNMET LOAD HOURS
1. Thermal Zone Name
2. Cooling Unmet Load Hour Limit for Thermal Zone
3. Proposed Cooling Unmet Load Hours
4. Heating Unmet Load Hour Limit for Thermal Zone
5. Proposed Heating Unmet Load Hours
U. ENERGY USE SUMMARY
1. Electric (kBtu/yr)
2. Natural Gas (kBtu/yr)
3. Total Annual Baseline
4. Total Annual Proposed

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
NRCC-PRF-MCH-DETAILS - SECTION START-
A. MECHANICAL VENTILATION AND REHEAT (Adapted from 2013-NRCC-MCH-08-E)
1. DESIGN AIR FLOWS
2. VENTILATION (§ 120.1)
3. CONFIRMED
B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY
1. System ID
2. System Type
3. Qty
4. Rated Capacity (Btu/h)
5. Heating
6. Cooling
7. Economizer
8. Zone Name
9. Design
10. Min. Ratio
11. Min. Ratio
12. BHP
13. Cycles
14. ECM Motor
15. Pass
16. Fail
C. EXHAUST FAN SUMMARY
This Section Does Not Apply

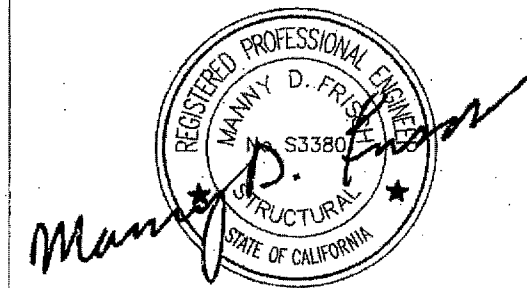
CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56

Project Name: 24X40 PC
Project Address: Climate Zone 16 Mount Shasta
Compliance Scope: New/Complete
F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)
1. Rectangular Spaces
2. Non-Rectangular Spaces
3. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)
4. Wall Display
5. Floor Display and Task Lighting
6. Combined Ornamental and Special Effects Lighting
7. Very Valuable Merchandise
8. DIVISION OF STATE ARCHITECT
9. HIGH PERFORMANCE SECTION
10. APP #04-114654
11. DATE: 3/14/16

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance
Report Version: NRCC-PRF-01-E-09012015-760
Report Generated at: 2015-10-05 17:40:56



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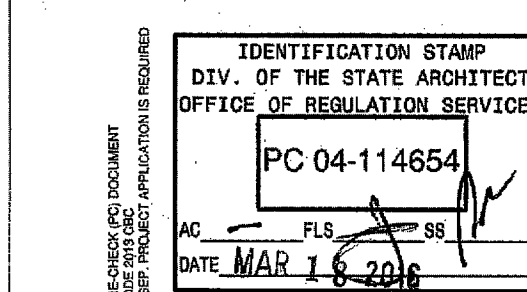
09/02/2016

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CLIENT

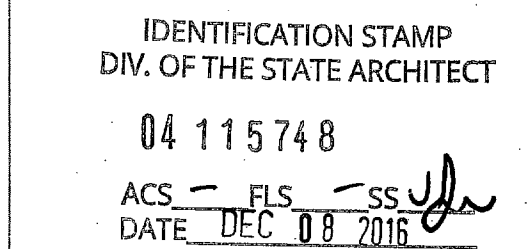


ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
RESERVED FOR
T24 ENERGY
CALCS

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

SHEET NO.

M2.0

SHEET OF SHEETS

ADDENDUM

Project Name:	24X40 PC	NRCC-PHF-01-C	Page 18 of 18		
Project Address:	Climax Zone-16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015		
Compliance Scope:	New/Complete	Input File Name:	24X40 CL PC - C216(h) of AQLand		
H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E)					
Declaration of Required Acceptance Certificate (NRCA) - Acceptance Certificate that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).					
§ 130.4					
Test Description	Indoor		Outdoor	Confirmed	
	NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTI-02-A	
Equipment Required	Occ Sources / Switch	Auto Daylight	Demand Responsive		
Testing or Verification	8 of units				
Discussion Summary	☐	☐	☐	☐	
Automatic Time Switch	☐	☐	☐	☐	
Automatic Daylighting	☐	☐	☐	☐	
Demand Responsive	☐	☐	☐	☐	
Outdoor Controls	☐	☐	☐	☐	

Performance Runs By Zone & Orientation

Project Name:	24x40 (R00F A/C)
Date of Title 24 Report:	10/5/2015
DSA File No.:	PC-04-114654
DSA Application #:	PC-04-114654
Building Name/Model #:	
Comments:	Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet

Climate Zone: 14 China Lake			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	334.93	506.53	5.31%
30	340.07	507.55	6.00%
60	342.74	507.92	6.42%
90	343.04	507.12	6.61%
120	344.55	507.34	6.83%
150	338.21	507.08	5.97%
180	338.21	506.53	5.97%
210	340.07	507.55	6.00%
240	342.74	507.92	6.42%
270	343.04	507.12	6.61%
300	344.55	507.34	6.83%
330	338.21	507.08	5.97%

Climate Zone: 15 Palm Springs			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	372.05	492.60	13.01%
30	377.17	496.57	13.64%
60	379.96	498.57	14.04%
90	379.93	498.08	14.12%
120	378.03	493.00	13.89%
150	372.15	497.01	13.18%
180	372.05	497.50	13.01%
210	377.17	498.47	13.84%
240	379.96	498.57	14.04%
270	379.93	498.08	14.12%
300	378.03	493.00	13.89%
330	372.15	497.01	13.18%

Climate Zone: 16 Mount Shasta			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	485.95	485.38	0.12%
30	490.25	486.36	0.79%
60	492.50	486.77	1.16%
90	493.15	486.32	1.38%
120	493.61	486.40	1.10%
150	486.33	486.57	0.09%
180	485.95	485.38	0.12%
210	490.25	486.36	0.79%
240	492.50	486.77	1.16%
270	493.15	486.32	1.38%
300	493.61	486.40	1.10%
330	486.33	485.97	0.09%

Performance Runs By Zone & Orientation

Project Name:	24x40 (WALL A/C)
Date of Title 24 Report:	10/5/2015
DSA File No.:	PC-04-114654
DSA Application #:	PC-04-114654
Building Name/Model #:	
Comments:	Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet

Climate Zone: 14 China Lake			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	354.93	529.93	2.62%
30	360.07	522.06	3.33%
60	362.74	522.38	3.75%
90	363.04	521.86	3.96%
120	364.55	521.77	4.18%
150	358.21	521.37	3.31%
180	358.21	520.93	2.62%
210	360.07	522.06	3.33%
240	362.74	522.38	3.75%
270	363.04	521.86	3.96%
300	364.55	521.77	4.18%
330	358.21	521.37	3.31%

Climate Zone: 15 Palm Springs			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	379.02	519.67	10.09%
30	377.17	519.55	10.67%
60	379.96	518.68	11.09%
90	379.93	518.14	11.17%
120	378.03	515.09	10.93%
150	372.15	514.69	10.20%
180	372.02	514.67	10.09%
210	377.17	516.66	10.67%
240	379.96	515.63	11.09%
270	379.93	514.71	11.17%
300	378.03	515.02	10.93%
330	372.15	514.68	10.20%

Climate Zone: 16 Mount Shasta			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	485.25	446.20	9.41%
30	490.25	440.83	10.07%
60	492.50	441.17	10.42%
90	493.15	440.83	10.51%
120	493.61	441.07	10.32%
150	486.33	440.83	9.39%
180	485.95	440.20	9.41%
210	490.25	440.86	10.07%
240	492.50	441.17	10.42%
270	493.15	440.83	10.51%
300	493.61	441.07	10.32%
330	486.33	440.69	9.39%

Performance Runs By Zone & Orientation

Project Name:	24x40 (R00F A/C)
Date of Title 24 Report:	10/5/2015
DSA File No.:	PC-04-114654
DSA Application #:	PC-04-114654
Building Name/Model #:	
Comments:	Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet

Climate Zone: 14 (China Lake)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	520.03	468.68	8.41%
30	521.92	468.21	8.38%
60	522.90	468.93	7.38%
90	528.51	468.41	7.58%
120	528.78	468.44	7.10%
150	520.95	467.65	8.38%
180	518.85	467.29	6.09%
210	517.23	468.33	5.58%
240	518.85	468.61	5.27%
270	515.75	467.93	5.41%
300	517.27	467.55	5.84%
330	516.87	468.86	6.17%

Climate Zone: 15 (Palm Springs)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	588.39	468.66	17.07%
30	570.39	469.76	17.84%
60	573.38	470.05	18.06%
90	573.43	469.64	18.10%
120	571.33	469.36	17.84%
150	585.05	468.79	17.18%
180	564.54	468.63	16.93%
210	565.24	469.23	16.87%
240	569.35	469.65	17.51%
270	569.86	469.43	17.64%
300	567.46	469.27	17.30%
330	586.39	468.76	17.31%

Climate Zone: 16 (Mount Shasta)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	474.88	408.88	14.63%
30	480.89	410.93	14.49%
60	484.93	411.74	15.10%
90	485.62	411.83	15.20%
120	485.09	411.92	14.73%
150	475.35	411.28	13.50%
180	474.71	410.32	13.52%
210	477.34	411.91	13.99%
240	477.88	411.24	13.94%
270	479.75	410.93	14.34%
300	478.22	410.91	14.09%
330	475.35	410.48	13.59%

Performance Runs By Zone & Orientation

Project Name:	24x40 (WALL A/C)
Date of Title 24 Report:	10/5/2015
DSA File No.:	PC-04-114654
DSA Application #:	PC-04-114654
Building Name/Model #:	
Comments:	Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet

Climate Zone: 14 (China Lake)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	518.89	435.24	16.12%
30	517.23	434.04	15.89%
60	518.43	434.41	15.40%
90	518.75	434.84	15.48%
120	517.77	434.76	15.85%
150	518.87	435.08	16.15%
180	528.03	434.73	16.40%
210	521.52	434.84	16.42%
240	527.96	434.61	17.30%
270	528.41	434.62	17.45%
300	525.76	434.27	17.02%
330	528.99	435.94	16.38%

Climate Zone: 15 (Palm Springs)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	564.24	423.32	25.02%
30	566.20	423.97	24.88%
60	568.42	424.31	25.47%
90	569.83	424.03	25.89%
120	567.46	423.69	25.30%
150	566.95	423.42	25.31%
180	566.39	423.85	25.09%
210	570.35	424.11	25.80%
240	573.54	424.57	25.98%
270	573.43	424.42	26.02%
300	572.27	423.69	25.80%
330	585.93	424.45	25.16%

Climate Zone: 16 (Mount Shasta)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	474.73	430.60	9.42%
30	477.84	430.67	9.87%
60	477.99	430.91	9.81%
90	478.75	430.64	10.24%
120	478.22	430.82	9.97%
150	473.53	429.92	9.29%
180	474.88	429.51	9.55%
210	485.25	430.78	10.35%
240	484.91	431.53	10.96%
270	485.62	431.58	11.07%
300	483.09	431.75	10.63%
330	478.35	430.78	9.55%

Performance Runs By Zone & Orientation

Project Name:	48x10 (R00F A/C)
Date of Title 24 Report:	10/5/2015
DSA File No.:	PC-04-114654
DSA Application #:	PC-04-114654
Building Name/Model #:	
Comments:	Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet

Climate Zone: 14 China Lake			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	510.83	591.70	3.74%
30	516.74	593.01	4.58%
60	520.69	593.89	5.15%
90	520.71	593.45	5.24%
120	517.08	593.15	4.82%
150	510.47	592.23	3.67%
180	510.63	591.70	3.74%
210	516.74	593.01	4.59%
240	520.69	593.85	5.15%
270	520.71	593.45	5.24%
300	517.08	593.15	4.82%
330	510.47	592.23	3.67%

Climate Zone: 15 Palm Springs			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	548.82	495.37	11.24%
30	552.77	496.39	12.01%
60	556.75	496.77	12.57%
90	557.00	496.83	12.85%
120	554.39	496.24	12.29%
150	548.30	495.97	11.44%
180	548.82	495.37	11.24%
210	552.77	496.39	12.01%
240	556.75	496.77	12.57%
270	557.00	496.83	12.85%
300	554.39	496.24	12.29%
330	548.30	495.97	11.44%

Climate Zone: 16 Mount Shasta			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	462.79	416.29	10.35%
30	465.47	417.27	10.74%
60	471.53	418.17	11.32%
90	474.89	418.09	11.40%
120	469.33	417.77	10.89%
150	462.63	416.65	9.99%
180	462.79	416.29	10.05%
210	467.47	417.27	10.74%
240	472.63	418.17	11.32%
270	474.89	418.09	11.40%
300	469.33	417.77	10.99%
330	462.63	416.85	9.90%

Performance Runs By Zone & Orientation

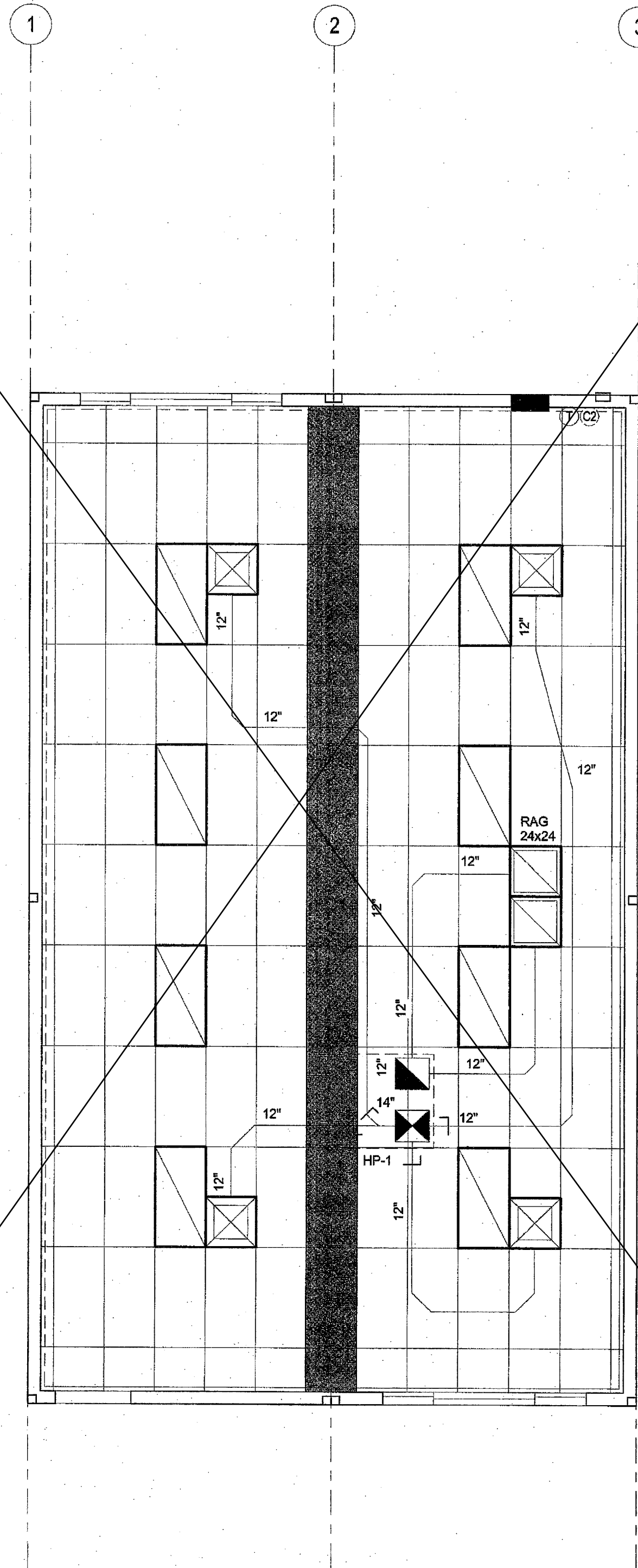
Project Name:	48x10 (WALL A/C)
Date of Title 24 Report:	10/5/2015
DSA File No.:	PC-04-114654
DSA Application #:	PC-04-114654
Building Name/Model #:	
Comments:	Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet

Climate Zone: 14 (China Lake)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	510.83	595.77	0.99%
30	516.74	597.18	1.86%
60	520.69	598.95	2.43%
90	520.71	597.83	2.51%
120	517.08	597.32	1.88%
150	510.47	596.31	0.81%
180	510.63	595.77	0.99%
210	516.74	597.14	1.86%
240	520.69	598.95	2.43%
270	520.71	597.83	2.51%
300	517.08	597.32	1.88%
330	510.47	596.31	0.81%

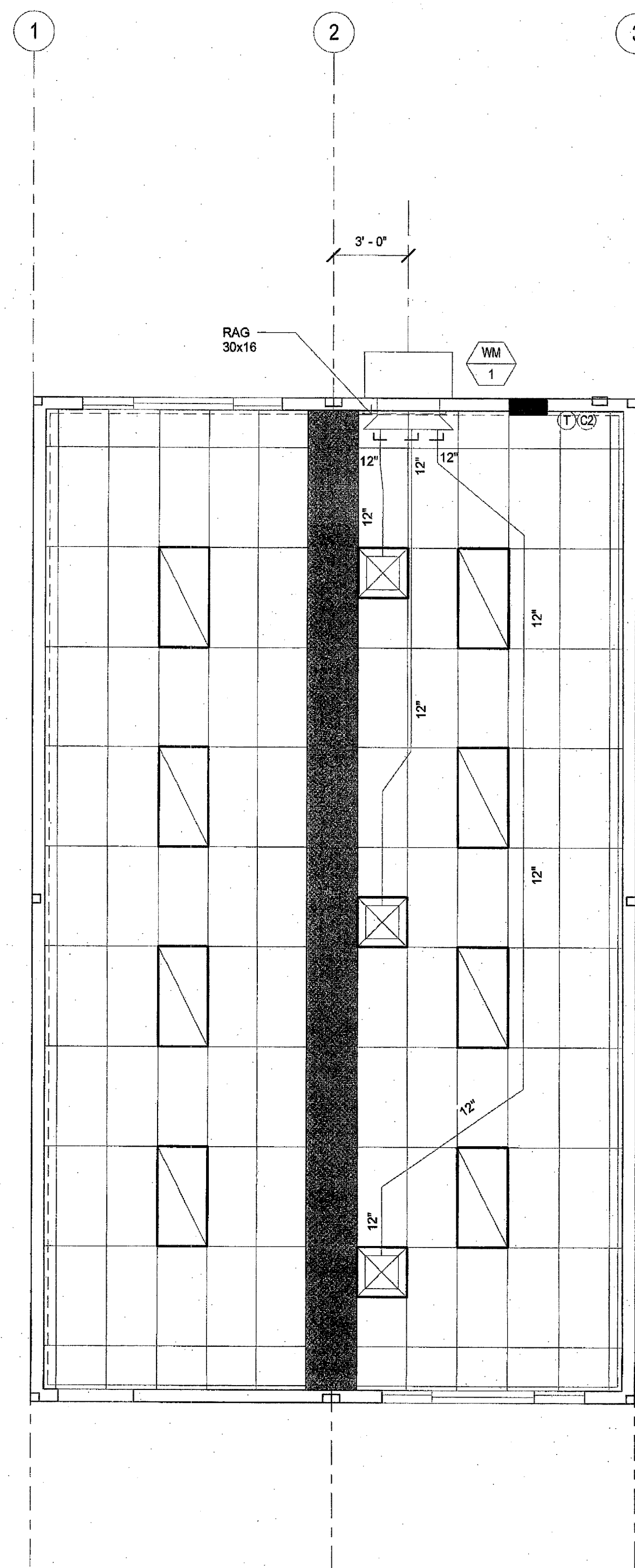
Climate Zone: 15		Palm Springs	
Front Orientation	Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	548.82	502.18	8.76%
30	552.77	503.22	8.96%
60	556.75	503.88	9.54%
90	557.00	503.42	9.62%
120	554.39	503.12	9.25%
150	548.30	502.40	8.37%
180	548.82	502.18	8.76%
210	552.77	503.22	8.96%
240	556.75	503.88	9.54%
270	557.00	503.42	9.62%
300	554.39	503.12	9.25%
330	548.30	502.40	8.37%

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1 1/4" = 1'-0"
24x40 RM-1 MECH PLANS



2 1/4" = 1'-0"
24x40 WM-1 MECH PLAN



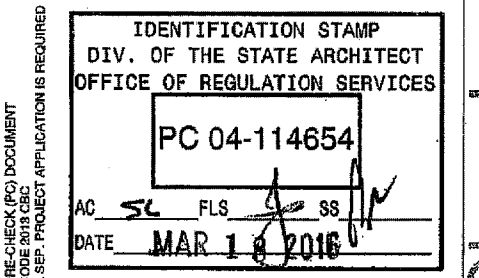
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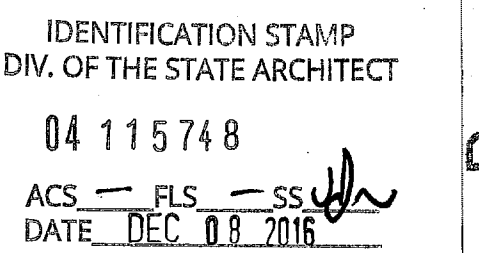
CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
**MECHANICAL
CEILING PLAN
24x40**

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

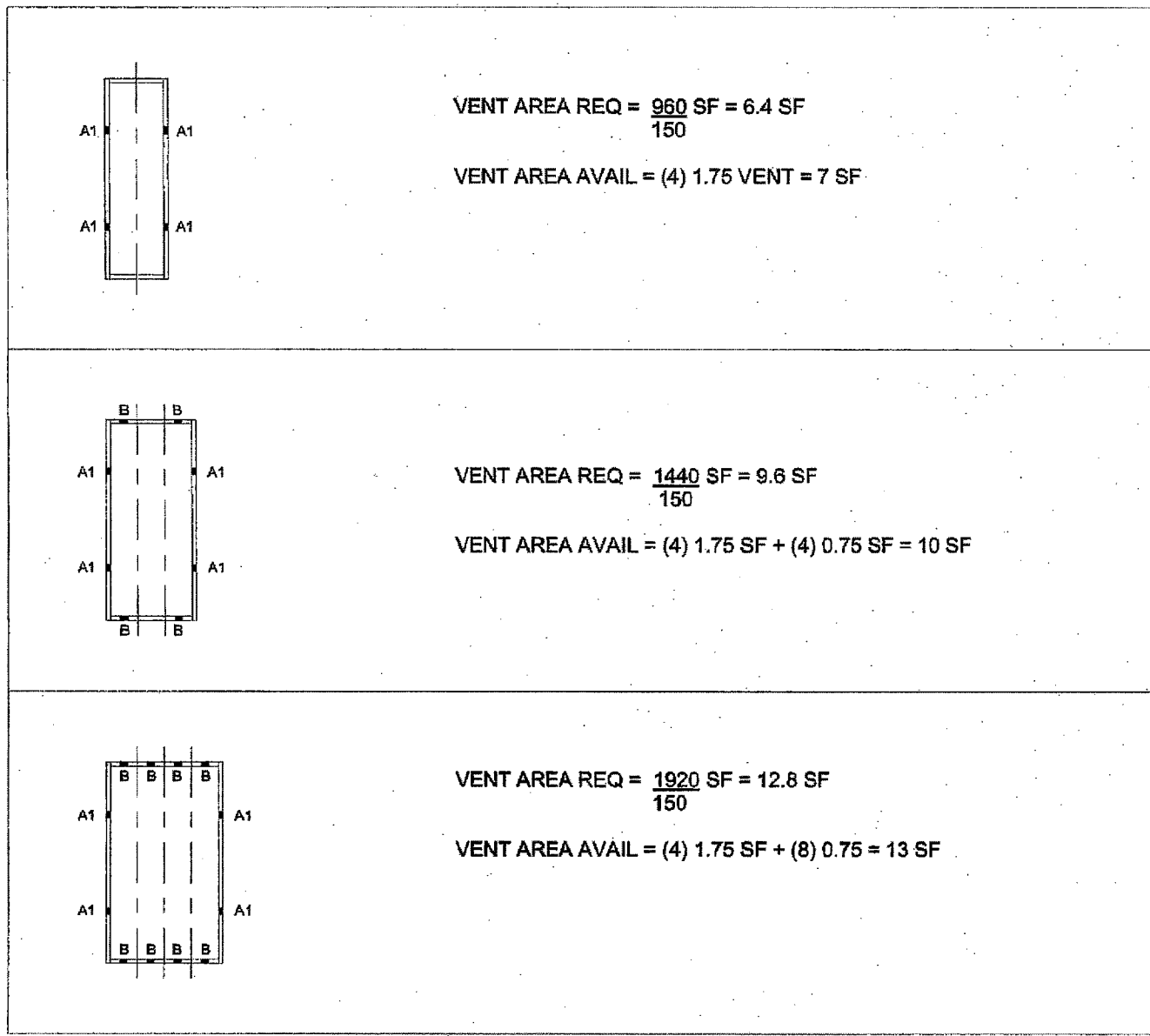
SHEET NO.

M5.1

SHEET OF SHEETS

ADDENDUM

Proprietary Property of Class Leasing



KEY PLAN VENTING SCHEDULE	
VENT "A1" (SIDEWALL):	3'-6" x 8" = 1.75 S.F. VENTILATION
VENT "B" (ENDWALL):	3'-0" x 3" = 0.75 S.F. VENTILATION

SEE 2

WOOD FOUNDATION PLATE SCHEDULE								
50 + 15 PSF								
PLATES	END WALL	SIDE WALL	MODLINE ENDS	MODLINE INTERIOR	ML "B" ENDS	ML "B" INTERIOR	SEPERATION ENDS	SEPERATION INTERIOR
BOOSTER	2x4	2x4	2x6	2x6	2x8	2x8	2x4	2x4
TOP	2x6	2x6	2x8	2x8	2x10	2x10	2x6	2x6
BASE	2x8	2x8	2x10	2x10	2x12	2x12	2x8	2x8
SILL	2x12	2x12	(6) 2x12, 24" LONG	(6) 2x12, 24" LONG	(8) 2x12, 24" LONG	(8) 2x12, 24" LONG	2x12	2x12

* MODLINE "B" - MODLINE W/ EXT. WALLS BACK-TO-BACK SEE F1.14

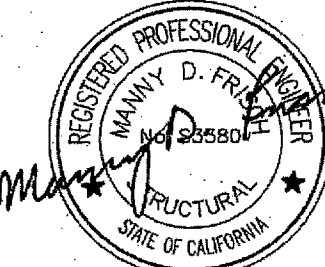
- WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS WITH 2160 SF AND UNDER.
- SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY THIS REQUIREMENT.
- VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
- TO PREVENT SLIDING: A 1 INCH G.S. SCHEDULE 40 PIPE (1.315" ACTUAL O.D.) SHALL BE ATTACHED TO SILL PLATE AND ANCHORED INTO THE EARTH W/ 12" MIN EMBEDMENT (PROJECTED VERTICALLY) @ 10' - 0" MAX O.C. AND SHALL BE LOCATED A MAXIMUM OF 2'-0" FROM CORNERS
- STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER W/ CORROSION RESISTANT NAILS.
- WOOD FOUNDATION HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1,000 PSF
- REFER TO ARCHITECT'S SITE PLAN FOR DRAINAGE.

(2) 16d NAILS SILL TO BASE CONNECTION FOR 50+15 SEE 7 / F1.10			
	ENDWALL	SIDEWALL	SEPERATION
24x40	9" O.C	12" O.C	12" O.C
36x40	11" O.C	12" O.C	12" O.C
48x40	12" O.C	12" O.C	12" O.C

TIE PLATE SCHEDULE		
	END WALL	SIDE WALL
24x40	4	2
36x40	5	2
48x40	7	2



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03/02/2016

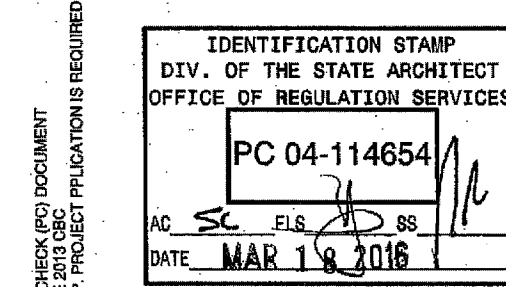
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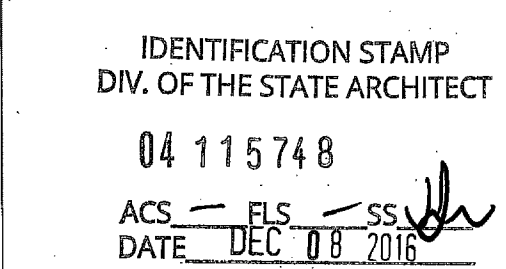
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

Description Date

SHEET TITLE

WOOD
FOUNDATION
NOTES SCHED FOR
BLDG W/ 50+15

PROJECT NUMBER

15046

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JA/RT

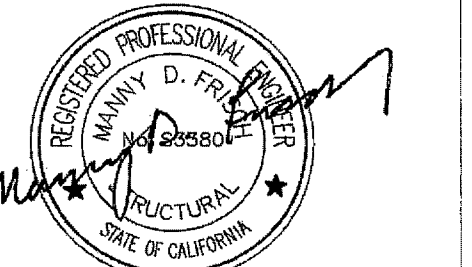
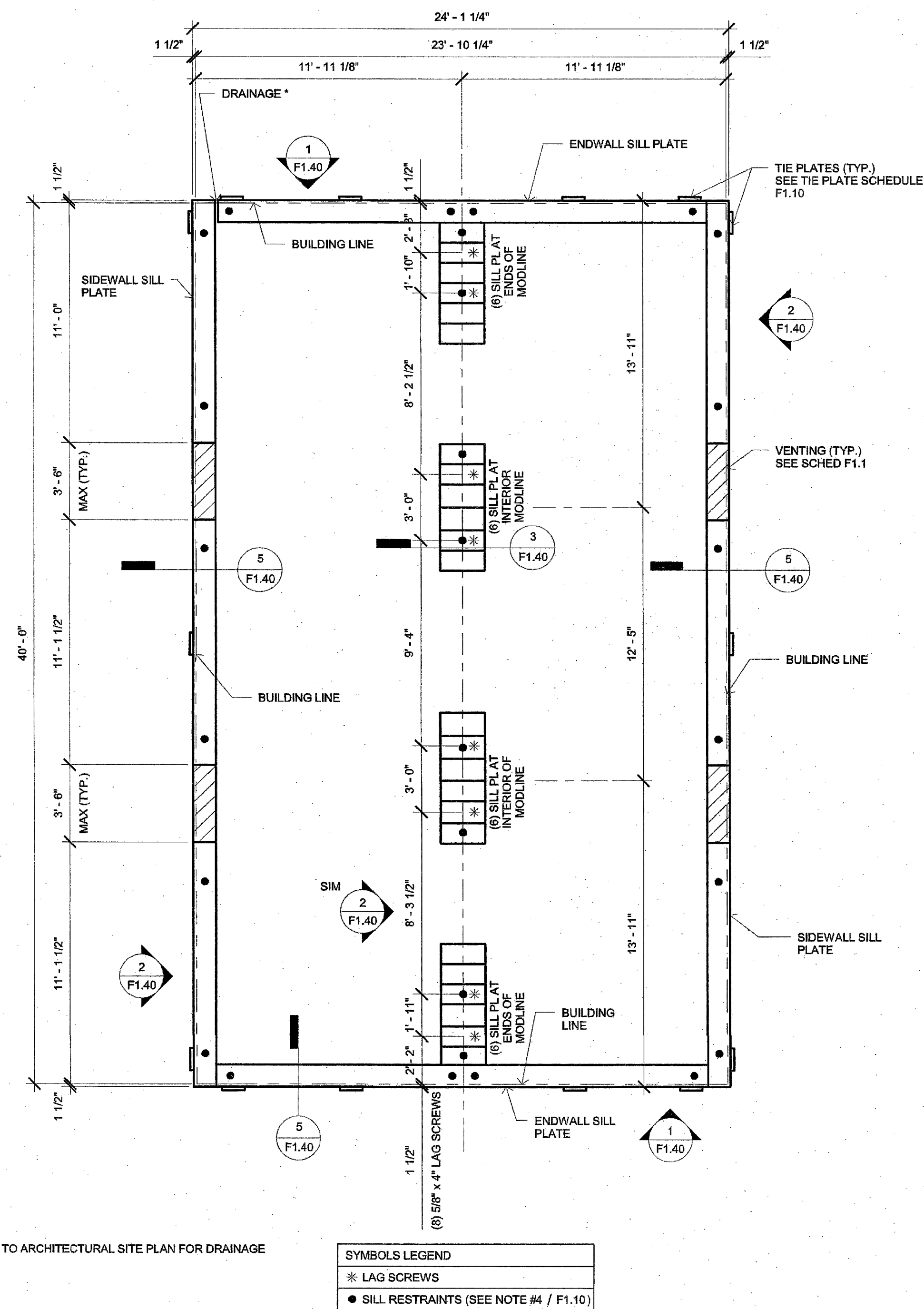
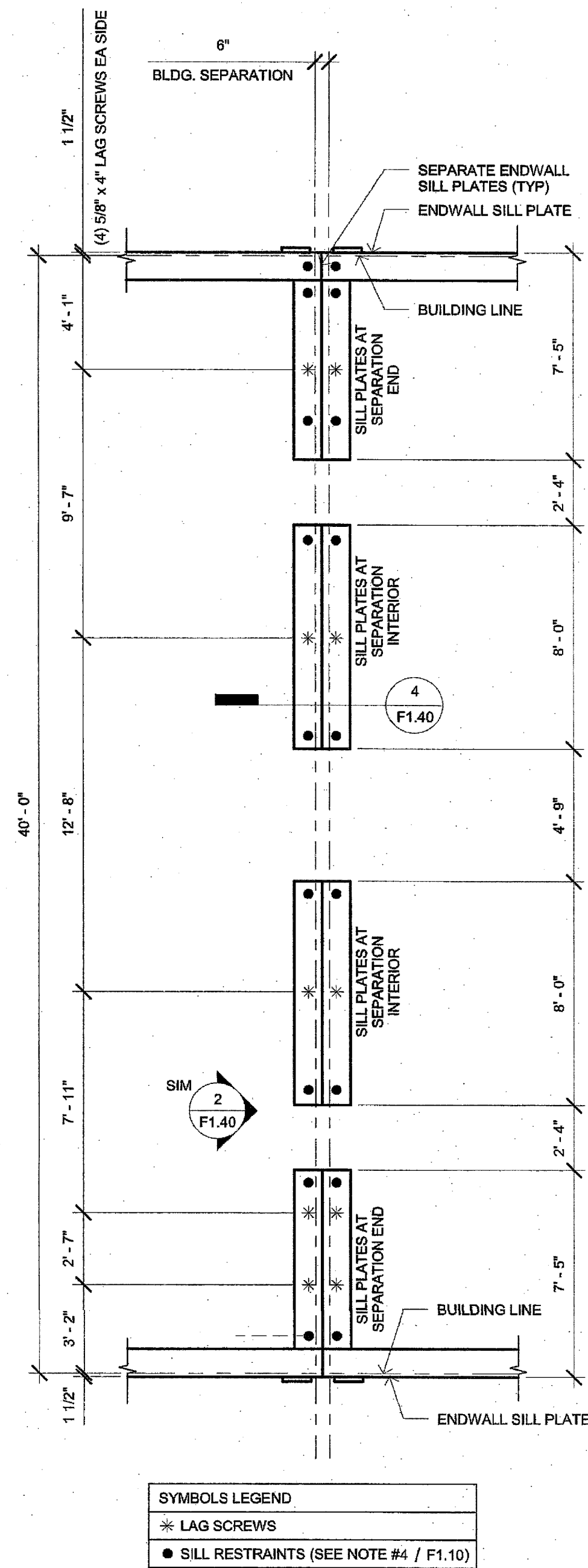
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2016/03/02

SHEET NO.

F1.10

SHEET OF SHEETS



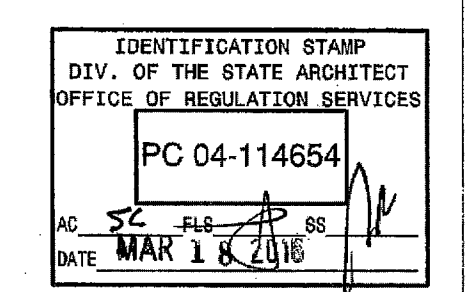
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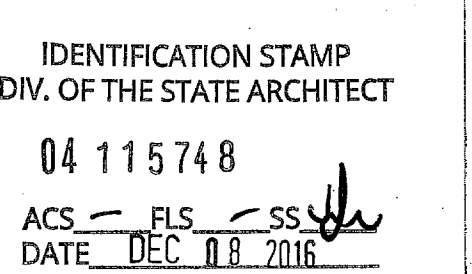
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
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SHEET TITLE

WOOD
FOUNDATION PLAN
24x40 BLDG W/
50+15

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

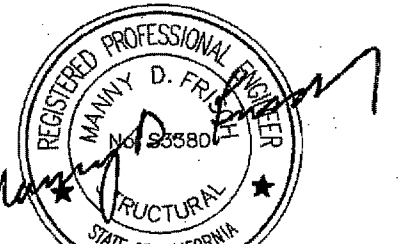
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F1.11

SHEET OF SHEETS

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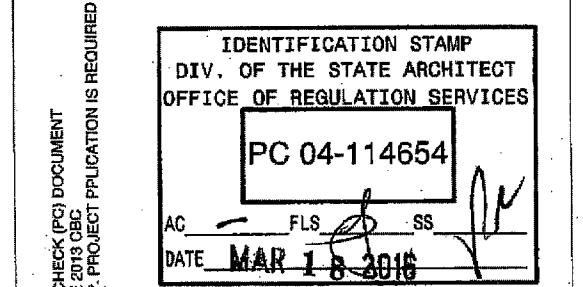
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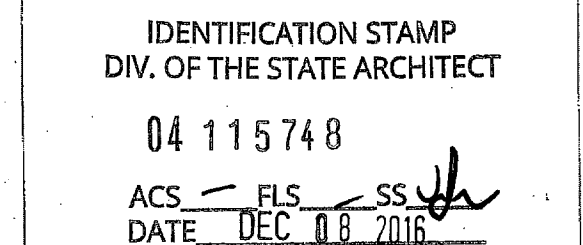
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE

WOOD
FOUNDATION
DETAILS

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

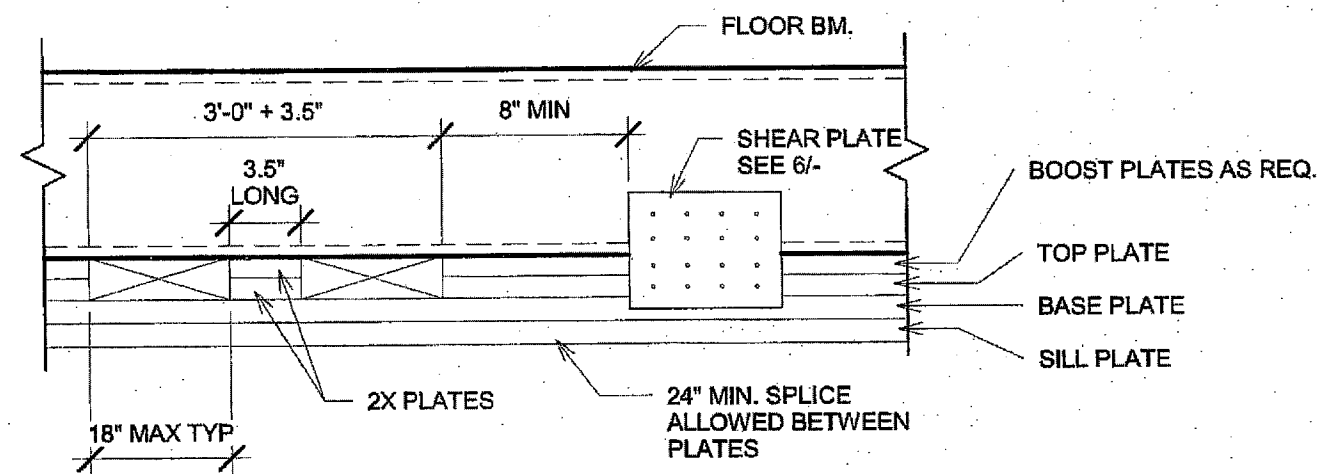
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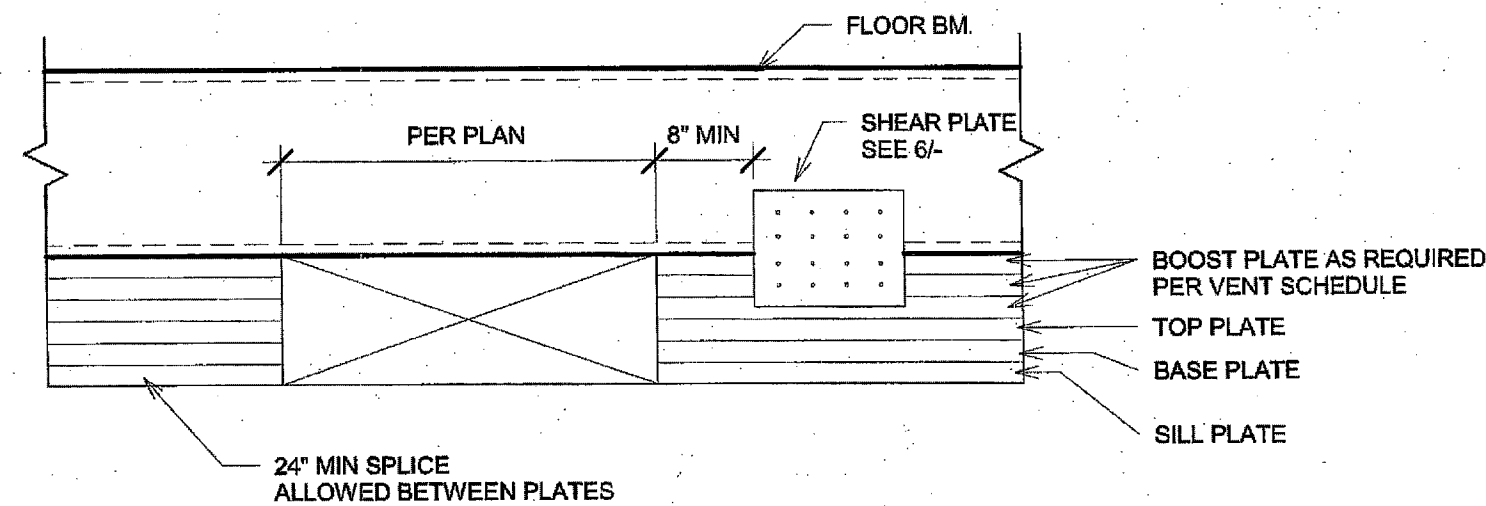
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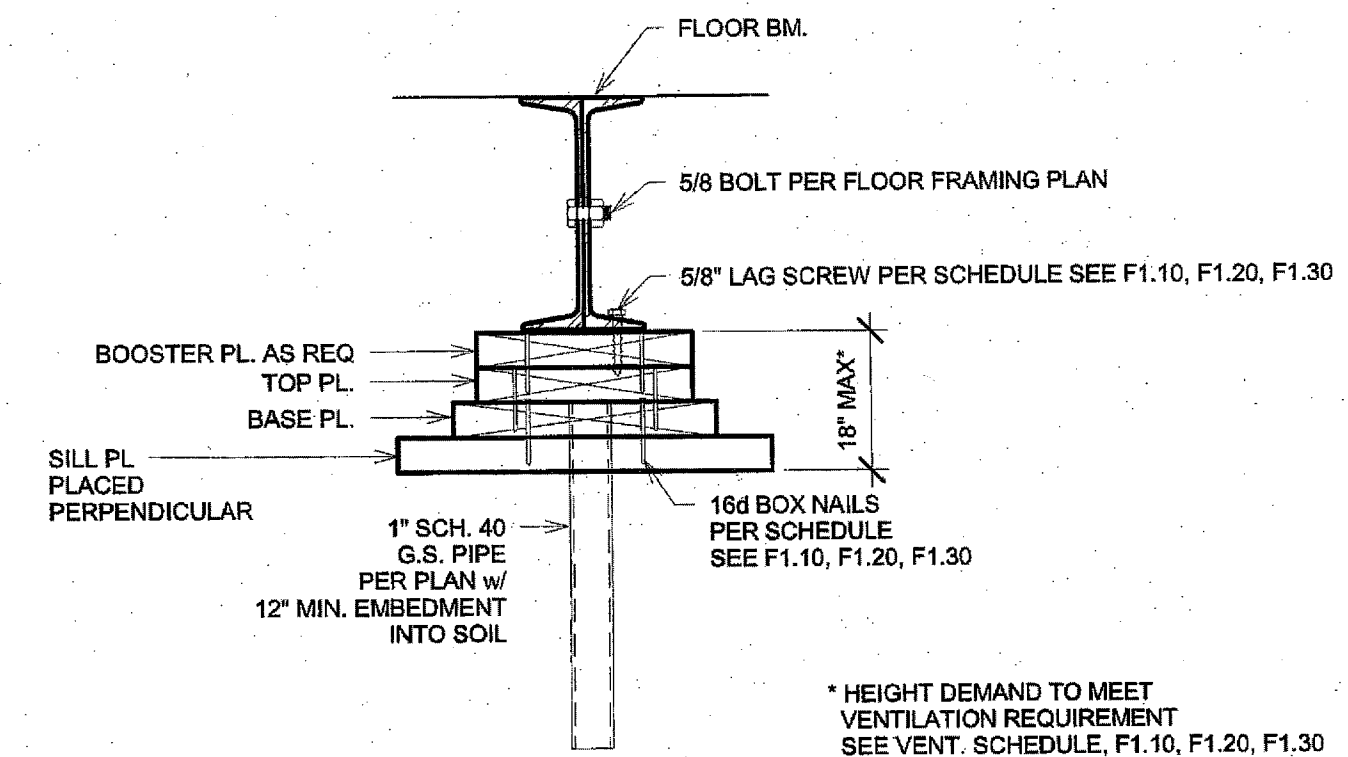
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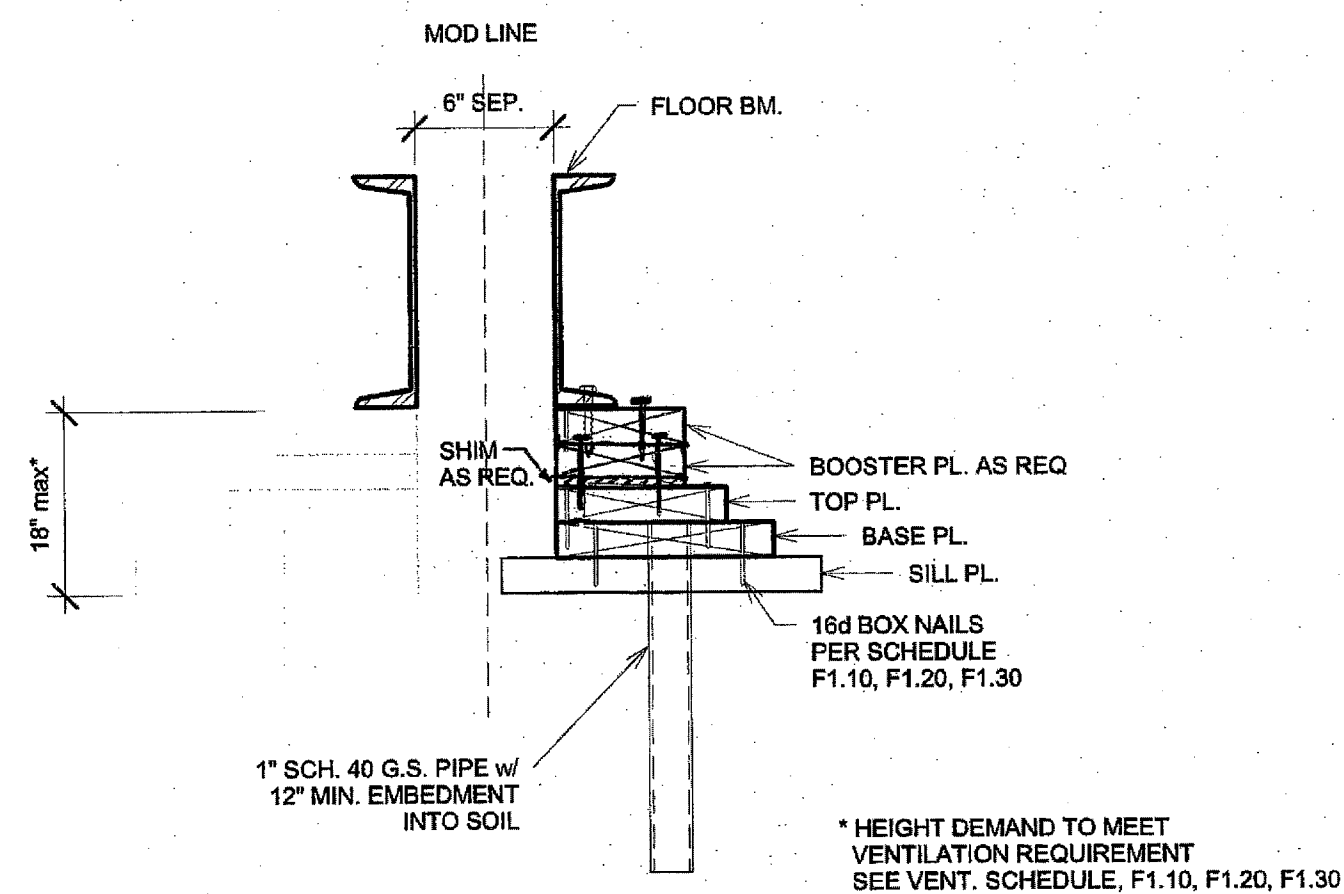
1 1 1/2" = 1'-0"
VENT OPENING OVER BASE PLATE



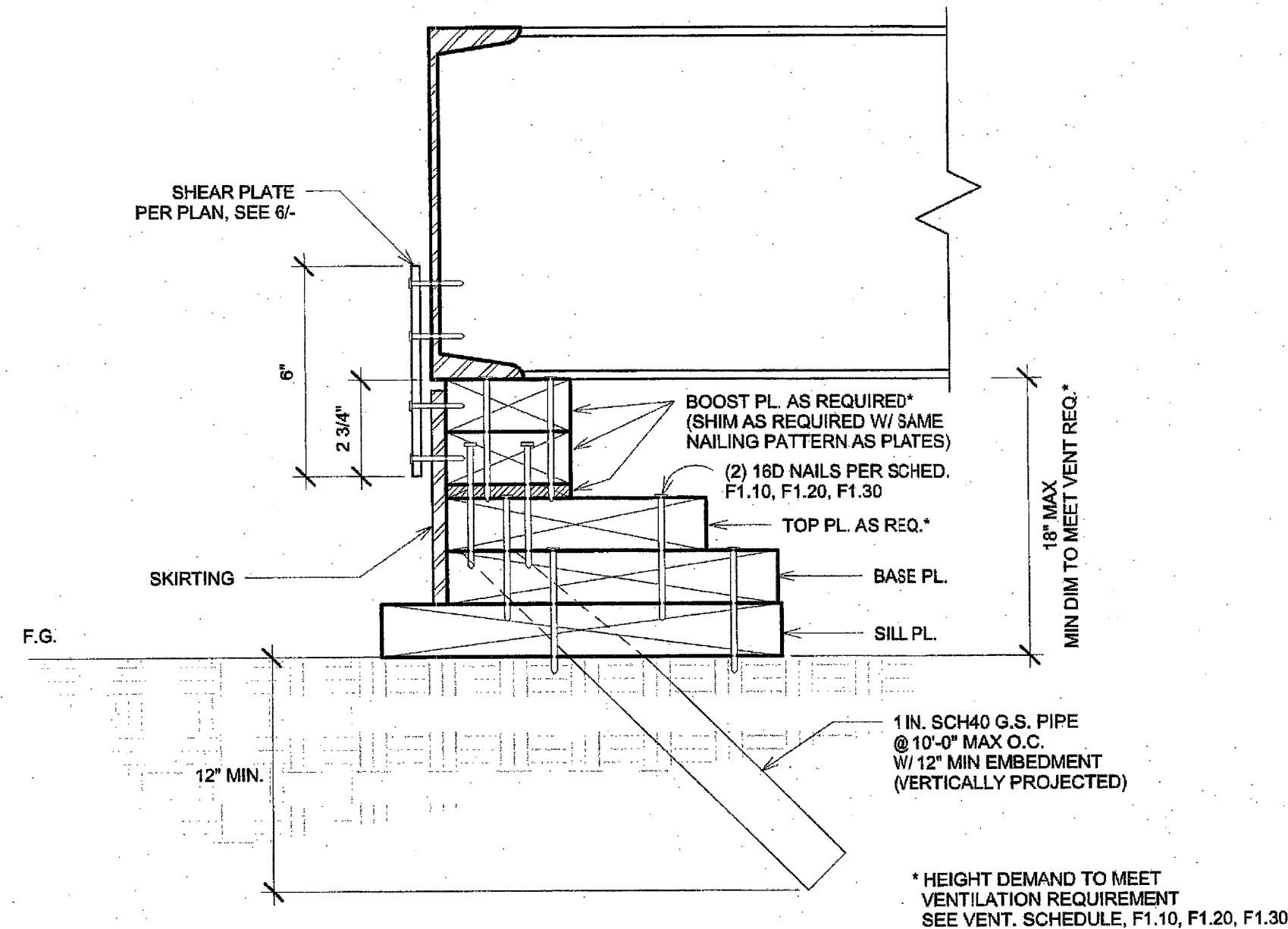
2 1 1/2" = 1'-0"
VENT OPENING @ SIDEWALL OR MODLINE @ SEPERATION



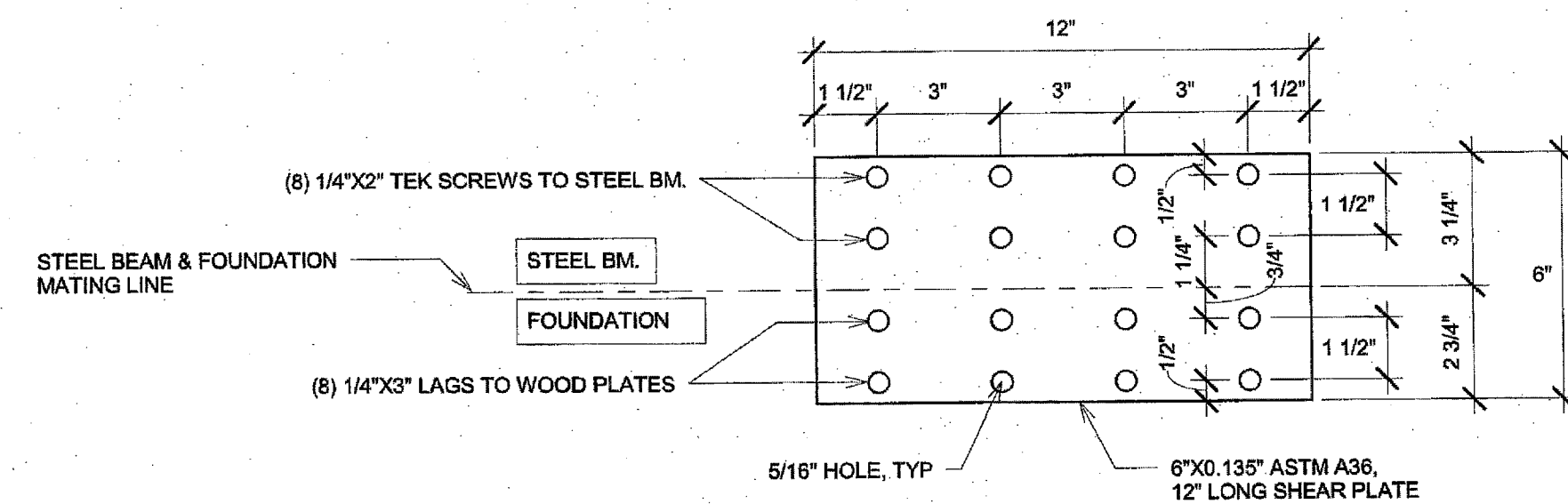
3 1 1/2" = 1'-0"
FOUNDATION PAD AT MOD LINE



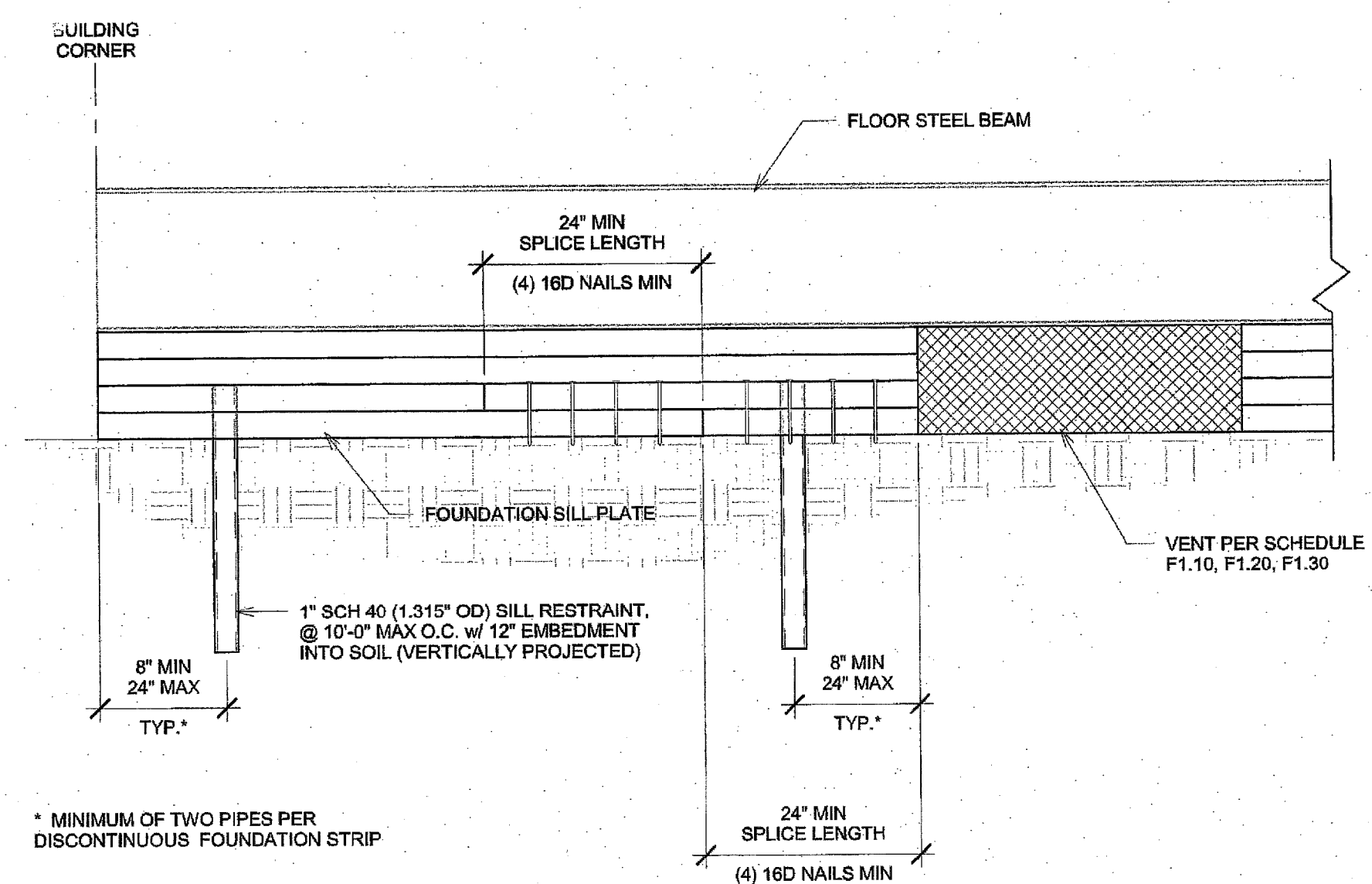
4 1 1/2" = 1'-0"
FOUNDATION PAD AT SEPERATION



5 3" = 1'-0"
SILL PLATE PROFILE



6 3" = 1'-0"
SHEAR PLATE



7 1 1/2" = 1'-0"
Splice at Sills

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STRUCTURAL STEEL:

- A. ALL WORK SHALL, UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS AND STANDARDS.
- B. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING STANDARD:
- STRUCTURAL HSS COLUMNS: ASTM A500 GRADE B
 - STRUCTURAL W-SHAPES: ASTM A992 GRADE 50
 - TUBE STEEL: ASTM A500 GRADE A
 - ALL OTHER: ASTM A36
- C. FABRICATION, ERECTION, AND SHOP PAINTING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES.
- D. HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED, UNLESS SPECIFIED IN THE STRUCTURAL DRAWINGS

CONCRETE

- A. ALL CONCRETE WORK, UNLESS MODIFIED BY CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 19A, CBC 2013 AND ACI 318-11.
- B. TESTS AND INSPECTION SHALL BE PERFORMED BY A TESTING LABORATORY CONTRACTED BY THE DISTRICT.
- C. MIX DESIGN SHALL BE SUBMITTED FOR QUALIFICATION AND PROVIDE A 28-DAY COMPRESSIVE STRENGTH f'_c OF 3500 PSI, COMPOSED OF NORMAL WEIGHT TYPE I PORTLAND CEMENT, U.N.O CONFORMANCE WITH ASTM C150.
- D. FORMWORK SHALL RESULT IN FINAL STRUCTURE THAT CONFORMS TO SHAPES, LINES, AND DIMENSIONS AS REQUIRED BY THE CONTRACT DOCUMENTS.
- E. LOCATIONS OF VENTS AND OPENINGS FOR MECHANICAL AND ELECTRICAL USE SHALL BE VERIFIED BY ARCHITECT.
- F. EMBEDMENT OF MATERIALS NOT HARMFUL TO CONCRETE AND WITHIN LIMITATIONS OF SECTION 6.3, ACI 318-11 SHALL BE PERMITTED. REFER TO OTHER DISCIPLINES FOR LOCATION OF CONDUIT, PIPES, FITTINGS, SLEEVES, ETC.
- G. CONTINUOUS BATCH PLANT INSPECTION WAIVED PER CBC 1705A3.3. WHEN CONTINUOUS BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING PERIODIC INSPECTION SHALL BE REQUIRED:
- QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY.
 - LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTIFY AND CERTIFY TO EACH LOAD BY A BATCH TICKET.
 - BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD. SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH THE LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.
- H. ANCHOR BOLTS, AND REINFORCING STEEL SHALL BE SECURELY TIED BEFORE CONCRETE IS POURED.

STEEL REINFORCEMENT

- A. DEFORMED BARS SHALL CONFORM TO ASTM A615.
- B. $f_y = 40,000$ PSI, FOR ALL BARS EXCEPT FOR #3 BARS, $f_y = 60,000$ PSI.
- C. PROVIDE A MINIMUM CONCRETE COVER FOR REINFORCEMENT EMBEDDED IN:
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER FOR #6 BARS OR SMALLER = 1.5"
- D. SPLICE LENGTHS SHALL BE A MINIMUM OF 48" FOR #5 BARS, AND 30" FOR #4 BARS UNLESS OTHERWISE SPECIFIED IN DRAWINGS.

BOLTS

- A. ALL BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307
- B. BOLTS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED BY THE HOT-DIP OR MECHANICAL PROCESS

WELDING

- A. ALL WELDING SHALL BE IN CONFORMANCE TO:
- AWS D1.1, EXCEPT AS MODIFIED IN SECTION J2, AISC-360 FOR STEEL
 - AWS D1.3 FOR LIGHT GAUGE STEEL
 - AWS D1.4 FOR REINFORCING STEEL
- B. ELECTRODE CLASSIFICATION:
- E70XX FOR STEEL AND CONCRETE STEEL REINFORCEMENT
 - E60XX FOR LIGHT GAUGE STEEL
- C. WELDS SHALL BE CAPABLE OF PRODUCING THE FOLLOWING V-NOTCH TOUGHNESS AS DETERMINED BY APPROPRIATE AWS AS CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION:
- LATERAL FORCE RESISTING SYSTEM (LFRS) = 20 FT-LB AT 0 DEGREE F
 - COMPLETE JOINT PENETRATION GROOVE WELD = 20 FT-LB AT 40 DEGREE F
- D. SHOP AND FIELD WELDING SHALL BE PERFORMED BY APPROVED AND QUALIFIED WELDERS.
- E. INSPECTION:
- PERIODIC INSPECTION OF FILLET WELDS LESS THAN OR EQUAL TO 5/16", FLOOR AND ROOF DECK WELDS.
 - CONTINUOUS INSPECTION FOR OTHER WELDS.
- F. NONDESTRUCTIVE TESTING (NDT):
- ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16" OR THICK OR GREATER. ULTRASONIC TESTING NOT REQUIRED FOR MATERIALS LESS THAN 5/16" THICK. TESTING FREQUENCY MAY BE REDUCED TO 25%, PROVIDED PROVISIONS SET FORTH IN SECTION N5.5e, AISC-360 IS MET.
 - MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. TESTING FREQUENCY MAY BE REDUCED TO 10%, PROVIDED PROVISIONS SET FORTH IN J6.2g, AISC-341 IS MET.

FOUNDATIONS

GEOTECHNICAL INVESTIGATION SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803A.1 THROUGH 1803A.8 BY A GEOTECHNICAL ENGINEER CONTRACTED BY THE DISTRICT. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2, WHERE GEOTECHNICAL REPORTS IS NOT REQUIRED PER SECTION 1803A.2, A MAXIMUM ALLOWABLE SOIL PRESSURE OF 1000 PSF AND 1500 PSF SHALL BE PERMITTED FOR TEMPORARY WOOD AND PERMANENT CONCRETE FOUNDATIONS RESPECTIVELY IN ACCORDANCE WITH SECTION 4.6, IR 16-1.13

A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED. THE ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES ARE ALLOWED A 33% INCREASE FOR SHORT TERM WIND AND SEISMIC LOADS.

THE DISTRICT SHALL BE RESPONSIBLE FOR EXCAVATION, BACKFILL, SETTING ELEVATIONS, CRANING AND RIGGING. PROVIDE SHIMS TO LEVEL BUILDING WITHIN 1/2" TOLERANCE.

COLD-FORMED STEEL

- A. ALL WORK SHALL, UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISI SPECIFICATIONS AND STANDARDS.
- B. MATERIAL SPECIFICATION:
- ASTM A-1011/A, GRADE 33 FOR MATERIALS THICKNESS 0.120 OR LESS UNLESS OTHERWISE NOTED
 - ASTM A-1003, GRADE 33 TYPE H FOR LIGHT GAUGE STUDS AND TRACKS
 - SHAPES SHALL BE DIMENSIONED TO SSMA SPECIFICATIONS.
- C. SCREWS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED

STEEL DECK

MINIMUM THICKNESS PERMITTED FOR FLOOR STEEL DECKS IS 20GA.

CHANGES

CHANGES AFFECTING STRUCTURAL PORTION OF THE APPROVED PC SHALL NEED DSA APPROVAL AND SHALL BE CLASSIFIED AS CCD CATEGORY A.

WOOD

ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY

SHEATHING:

EACH SHEETS SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION IN ACCORDANCE WITH THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

- SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD, SHALL PROVIDE A SMOOTH AND UNIFORM SURFACE ACCEPTING CARPET FINISH
- PLYWOOD ROOF DECK OPTION: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING
- EXTERIOR WALL SIDING:
 - STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 - OPTION: 5/8" MDO
 - OPTION: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
- EXTERIOR WALL SIDING ATTACHMENT:

FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

FASTEN TO WOOD FRAMING WITH 8D BOX NAILS @ 6" E.N., 12" F.N.
FASTEN TO LIGHT GAGE METAL FRAMING WITH #8 WAFER HEAD STSMS @ 6" E.N., 12" F.N.
FASTEN TO STRUCTURAL STEEL WITH #12 STSMS OR 0.145 DIAM SHOT PINS @ 12" O.C.

TREATED WOOD:

ALL WOOD LOCATED WITHIN 18" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL IN ACCORDANCE WITH CBC SECTION 2304.11.2.2.

- ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
- ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC # ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC # ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
- FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

ROOF DIAPHRAGM:

3/4" T&G RATED SHEATHING, EXPOSURE 1, 48/24 SPAN RATING
FASTEN AT METAL SUPPORTS W/ #8 - 24 x 1 1/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEK SCREWS @ 4" O.C. BN, 6" O.C. EN, AND 12" O.C. FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2305.2.

FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR T&G RATED SHEATHING, EXTERIOR, 48" oc SPAN RATING
FASTEN AT METAL SUPPORTS W/ #8 - 24 x 1 3/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEK @ 6" O.C. BN, 6" O.C. EN, AND 12" F.N. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2305.2.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3500 PSI OR 4000 PSI
TYPE: I OR II
DESIGN: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

2x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" OC.

NAILING NOTES:

- ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
- MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL NOT BE LESS THAN 8" IN OVERALL LENGTH.
- NAILS SHALL BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIREMENT EMBEDMENT IS MAINTAINED.

CONNECTIONS AND FASTENERS:

ALL CONNECTIONS AND FASTENERS IN DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT PROVIDING ICC REPORTS ARE SUBMITTED TO AND APPROVED BY DSA.

CONNECTIONS LAG SCREWS:

LAG SCREWS SHALL BE INSTALLED WITH WHASHER AND TURNED BY WRENCH, OVER-TORQUING SHALL BE AVOIDED. A PRE-DRILLED CLEARANCE AND LEAD HOLE SHALL BE REQUIRED AS DESCRIBED BELOW:

- THE CLEARANCE HOLE FOR THE UNTHREADED PORTION OR THE SHANK SHALL HAVE SAME DEPTH AND DIAMETER.
- THE LEAD HOLE FOR THE THREADED PORTION OF THE SHANK SHALL HAVE SAME DEPTH AND 65% TO 85% OF SHANK DIAMETER FOR LUMBER WITH SPECIFIC GRAVITY OF, $G > 0.6$
60% TO 75% OF SHANK DIAMETER FOR LUMBER WITH SPECIFIC GRAVITY OF, $0.5 < G \leq 0.6$
40% TO 70% OF SHANK DIAMETER FOR LUMBER WITH SPECIFIC GRAVITY OF, $G \leq 0.5$

LEAD OR CLEARANCE HOLES SHALL NOT BE REQUIRED FOR 3/8" DIAMETER OR SMALLER LAG SCREWS.

BALLISTIC PINS OPTIONS

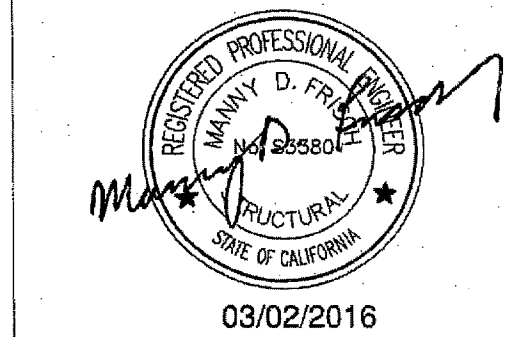
- HILTI X-CR PIN WITH 0.145 SHANK DIAMTER, ICC ESR-1663
- RAMPSET 1500 PIN WITH 0.145 SHANK DIAMTER, ICC ESR-1799
- SIMPSON STRONG TIE PDP PIN WITH 0.145 SHANK DIAMTER, ICC ESR-2138

NAILING SCHEDULE: (ALL NAILS SHALL BE COMMON, GALVANIZED WHERE EXPOSED)
PER C.B.C. TABLE 2304.9.1

CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	3-8d	TOENAIL
2. BRIDGING TO JOIST	2-8d	TOENAIL EA. END
3. 1X6 OR LESS SUBFLOOR TO EA. JOIST	2-8d	FACE NAIL
4. WIDER THAN 1X6 SUBFLOOR TO EA. JOIST	3-8d	FACE NAIL
5. 2" SUBFLOOR TO JOIST	2-16d	BLIND & FACE NAIL
6. SOLE PLT. TO JOIST OR BLK'G. TO EA. JOIST	16d@16"	TYP. FACE NAIL
SOLE PLT. TO JOIST OR BLK'G. @ BRACED WALL PANEL	3-16d@16"	TYP. FACE NAIL
7. TOP PLT. TO STUD	2-16d	END NAIL
8. STUD TO SOLE PLT. OR	2-16d	END NAIL
9. DOUBLE STUDS	4-8d	TOENAIL
10. DOUBLE TOP PLT. DOUBLE TOP PLT.	16d@24"	END NAIL
11. BLK'G. BTW. JOIST OR RAFTERS TO TOP PLT.	16d@16"	TYP. FACE NAIL
12. RIM JOIST TO TOP PLT.	8d@6"	LAP SPLICE
13. TOP PLT., LAPS & INTERSECTIONS	2-16d	TOENAIL
14. CONT. HDR. 2 PIECES	FACE NAIL	FACE NAIL
15. CLG. JOIST TO PLT.	16d@16"	ALONG EDGE
16. CONT. HDR. TO STUD	3-8d	TOENAIL
17. CLG. JOIST LAP OVER PARTITIONS	4-8d	TOENAIL
18. CLG. JOIST PARALLEL TO RAFTERS	3-16d	FACE NAIL
19. RAFTER TO PLT.	3-8d	FACE NAIL
20. 1" DIA. BRACE TO EA. STUD & PLT.	2-8d	FACE NAIL
21. 1X8 SH'T'G. TO EA. BRG.	3-8d	FACE NAIL
22. WIDER THAN 1X8 SH'T'G. TO BRG.	3-8d	FACE NAIL
23. BUILT-UP CORNER STUDS	16d@24"	FACE NAIL
24. BUILT-UP GIRDERS & BEAMS	20d@32"	FACE NAIL @ TOP & BTM. STAGR. ON OPP. SIDES
	2-20d	FACE NAIL @ ENDS & @ EA. SPLICE @ EA. BRG.
25. 2" PLANKS	2-16d	FACE NAIL
26. COLLAR TIE TO RAFTER	3-10d	TOENAIL
27. JACK RAFTER TO HIP	3-10d	TOENAIL
28. ROOF RAFTER TO 2X RIDGE	2-16d	TOENAIL
29. JOIST TO BAND JOIST	2-16d	FACE NAIL
30. 4X BLOCKING TO STUDS	3-16d	FACE NAIL
	1-A34	FACE NAIL



PROFESSIONAL STAMP

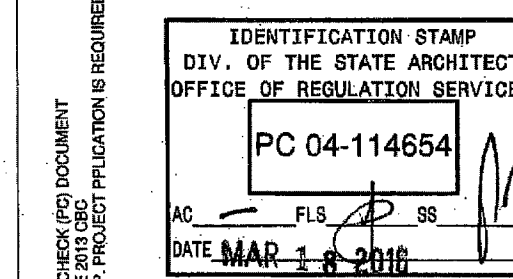


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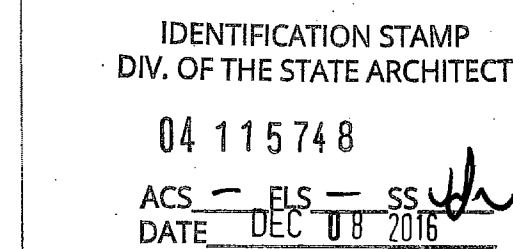
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
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SHEET TITLE
STRUCTURAL GEN
NOTES

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

SHEET NO.

S0.1

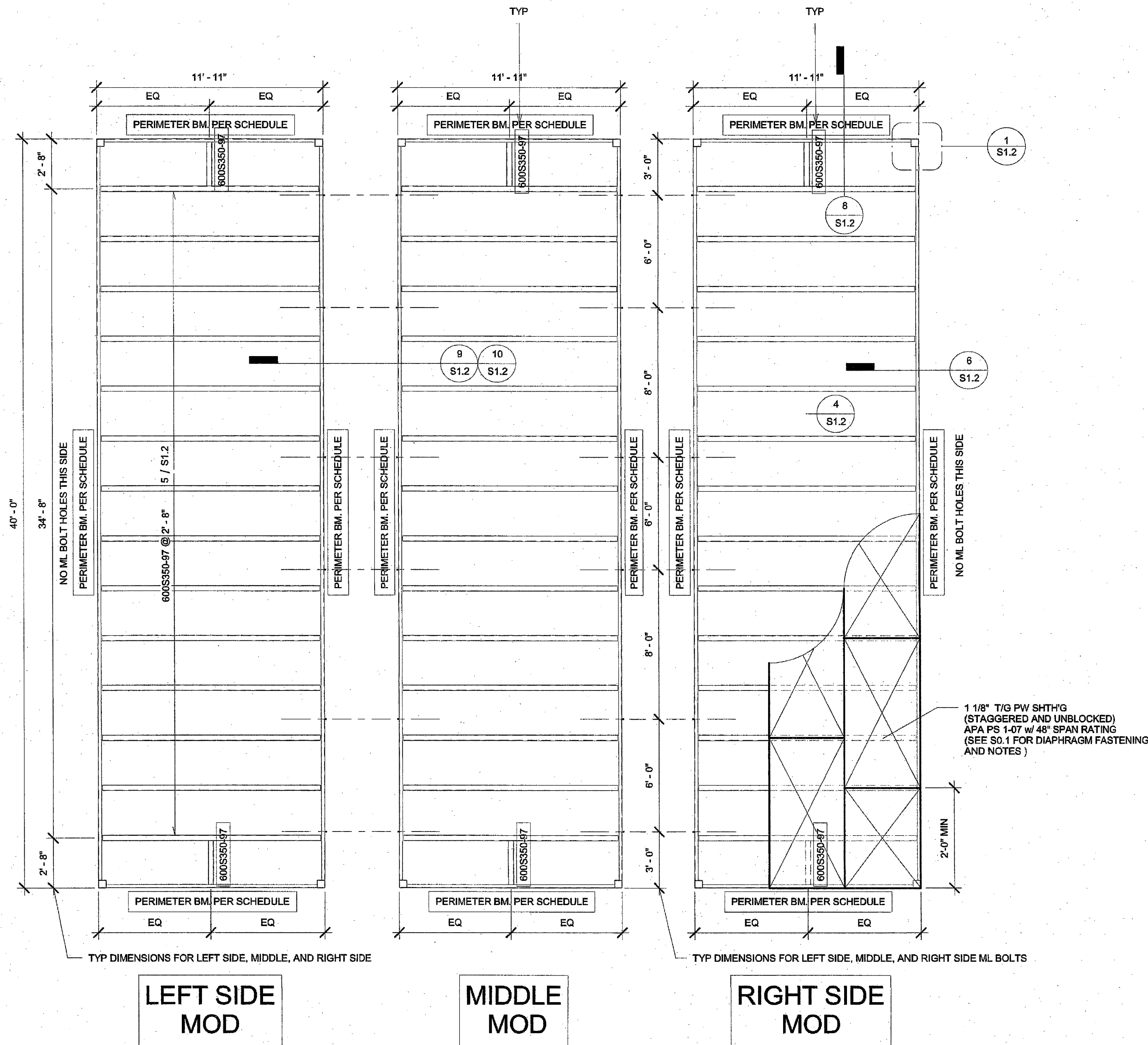
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12" = 1'-0"
STRUCTURAL NOTES

ADDENDUM

Proprietary Property of Class Leasing

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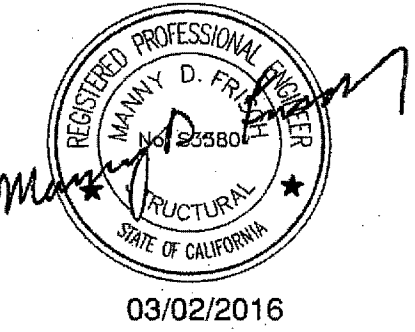
Perimeter Floor Beam Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
9'	C7x9.8	C7x9.8	C7x9.8
10'	C7x9.8	C8x11.5	C8x11.5

NOTE: SPLICE AT FLOOR BEAM PERMITTED PER 3/S1.2

Column Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
9'	5x5X1/4	5x5X1/4	5x5X1/4
10'	5x5X1/4	5x5X1/4	5x5X1/4
			3x3X3/16 mid-span column



PROFESSIONAL STAMP

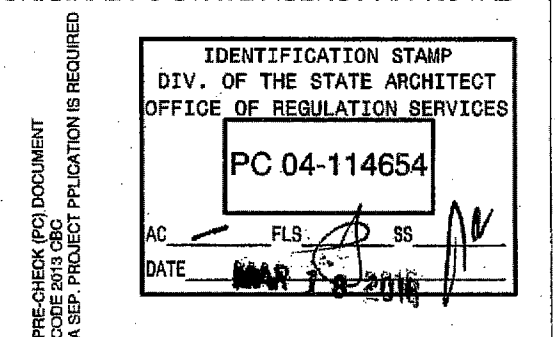


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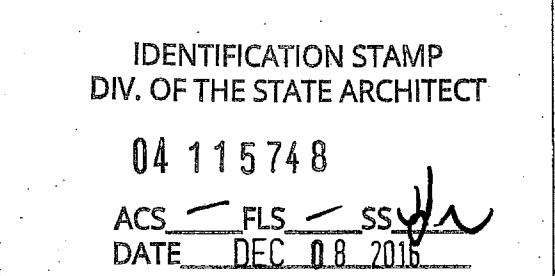
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

Description Date

SHEET TITLE

WD SHT'H'G FLR
FRM'G PLAN
(50+15 PSF)

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

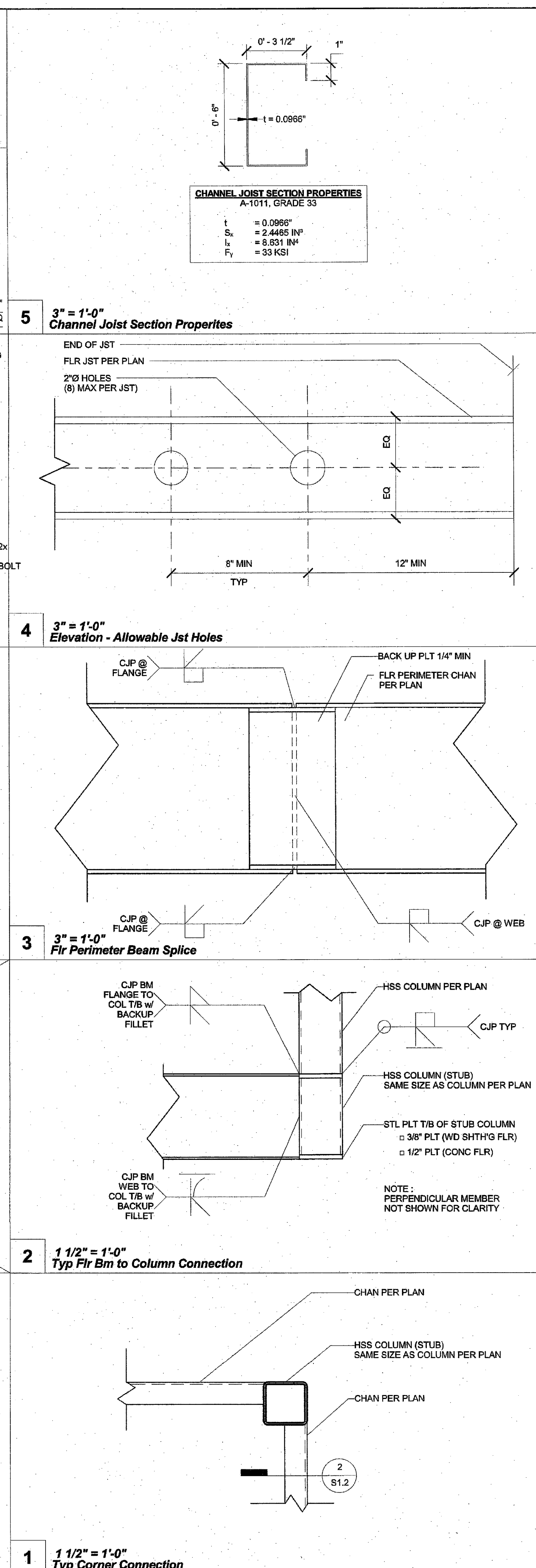
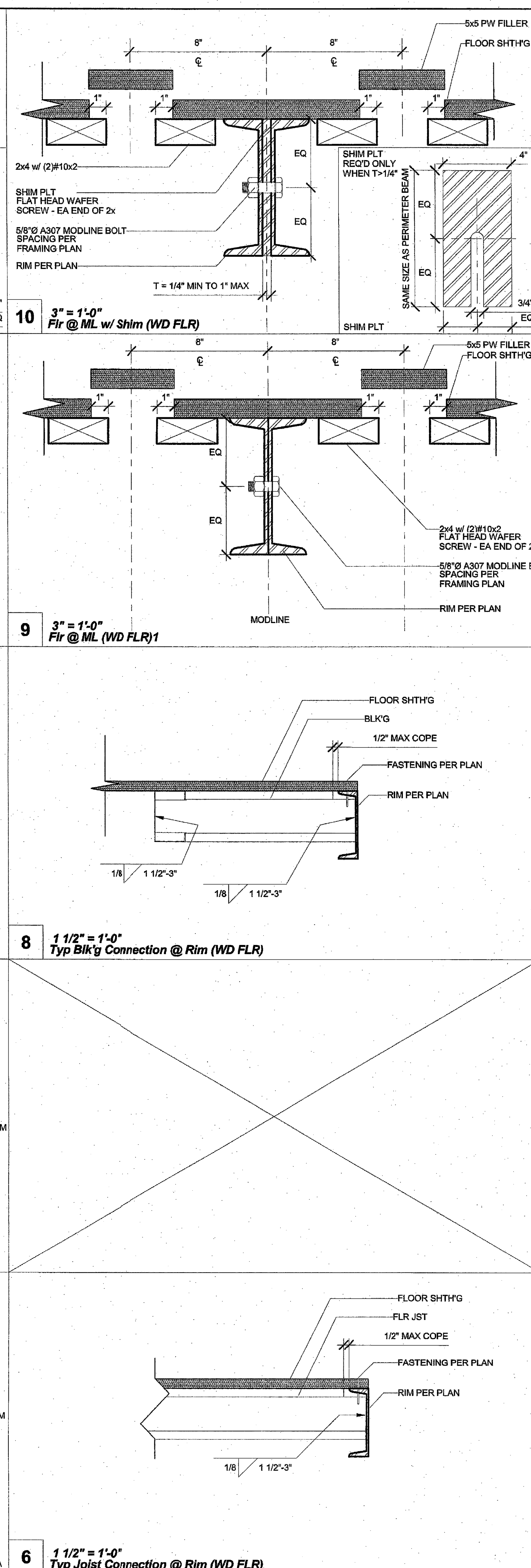
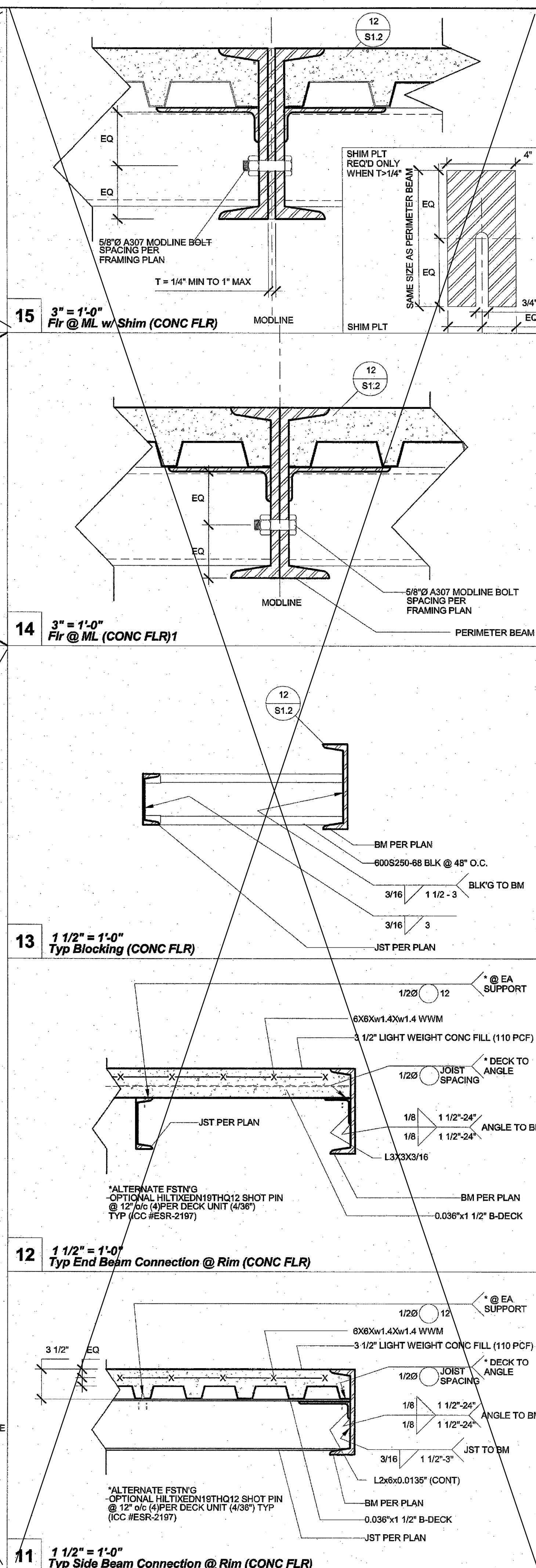
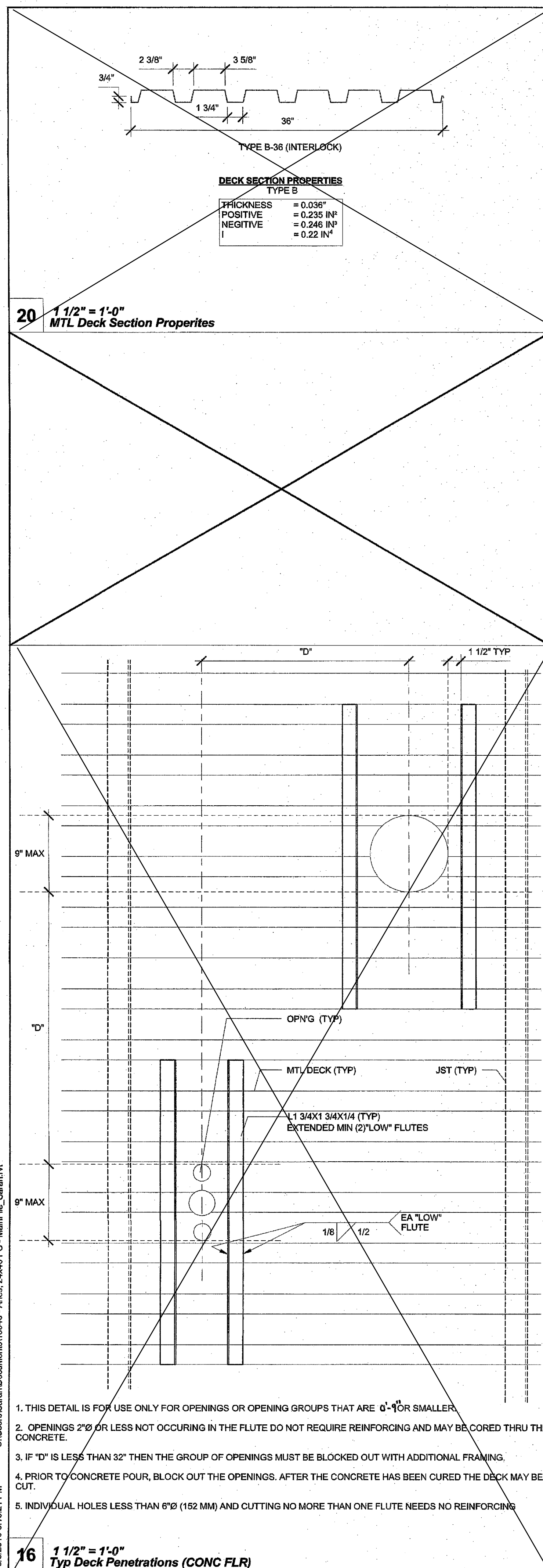
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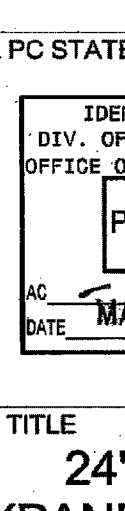
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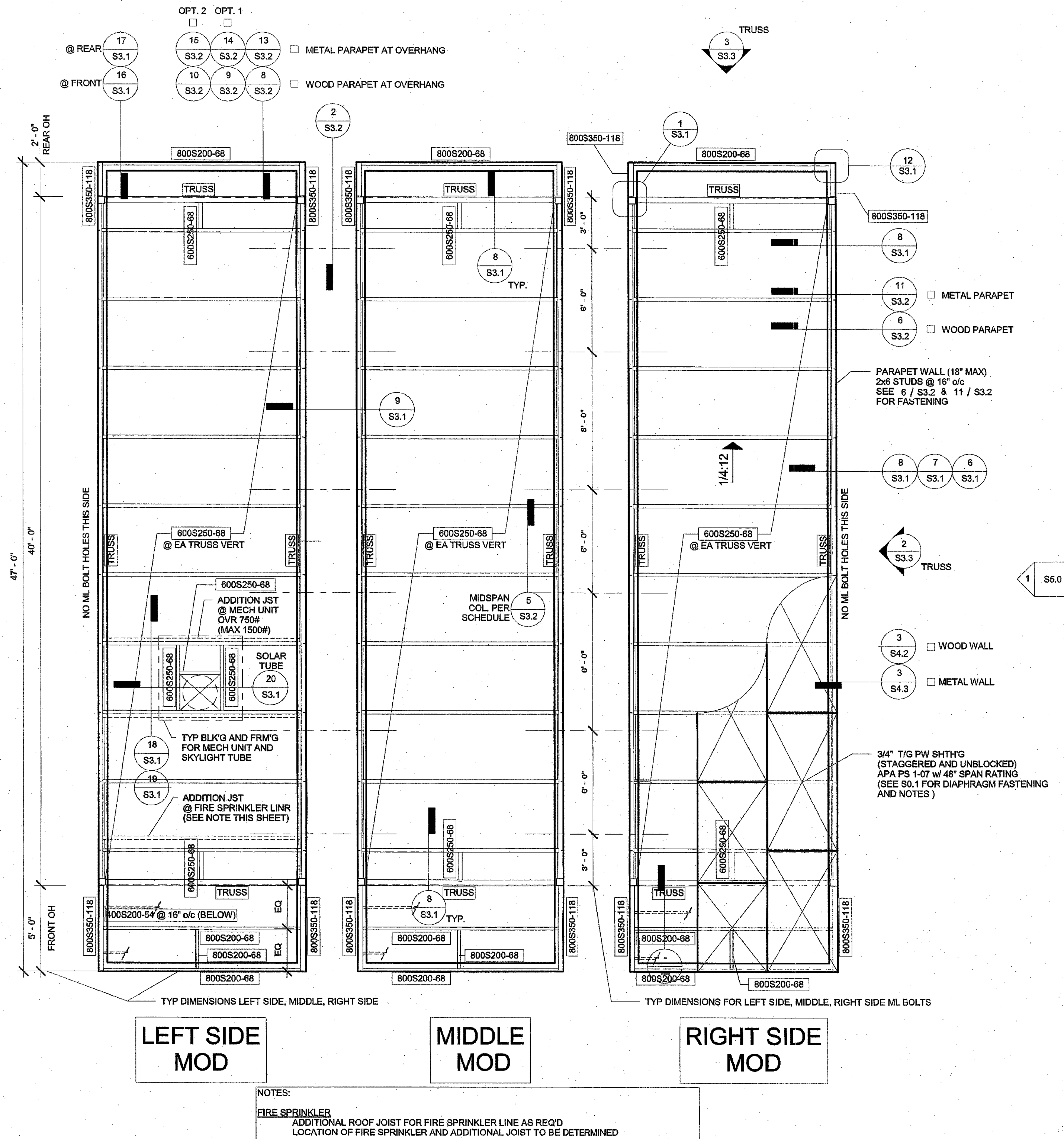
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SHEET OF SHEETS

ADDENDUM



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PROFESSIONAL STAMP											
 03/02/2016											
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 CLASS LEASING LLC 1221 Harley Knox Boulevard Perris, CA 92571											
ORIGINAL PC STATE AGENCY APPROVAL											
PRELIMINARY DOCUMENT A SEP. PROJECT PRELIMINATION IS REQUIRED	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 04-114654 AC _____ FLS <u>6</u> SS _____ DATE <u>MAR 1 8 2016</u>										
PROJECT TITLE											
24' x 40' EXPANDABLE TO 48' x 40'											
PROJECT SPECIFIC STATE AGENCY APPROVAL											
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 04 115748 ACS _____ FLS _____ SS <u>48</u> DATE <u>DEC 0 8 2016</u>											
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Revision Schedule											
#	Description	Date									
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PROJECT NUMBER											
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DRAWN BY											
rMc/SM											
CHECKED BY											
JA/RT											
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2016/03/02											
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S1.2											
SHEET OF SHEETS											



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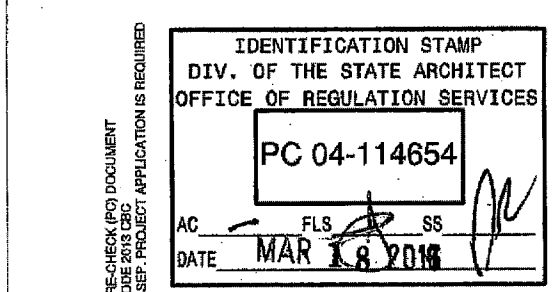


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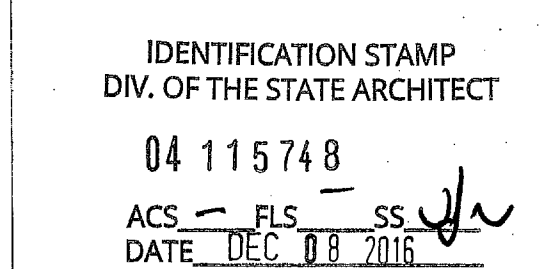
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
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SHEET TITLE
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ROOF FRM'G PLAN

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

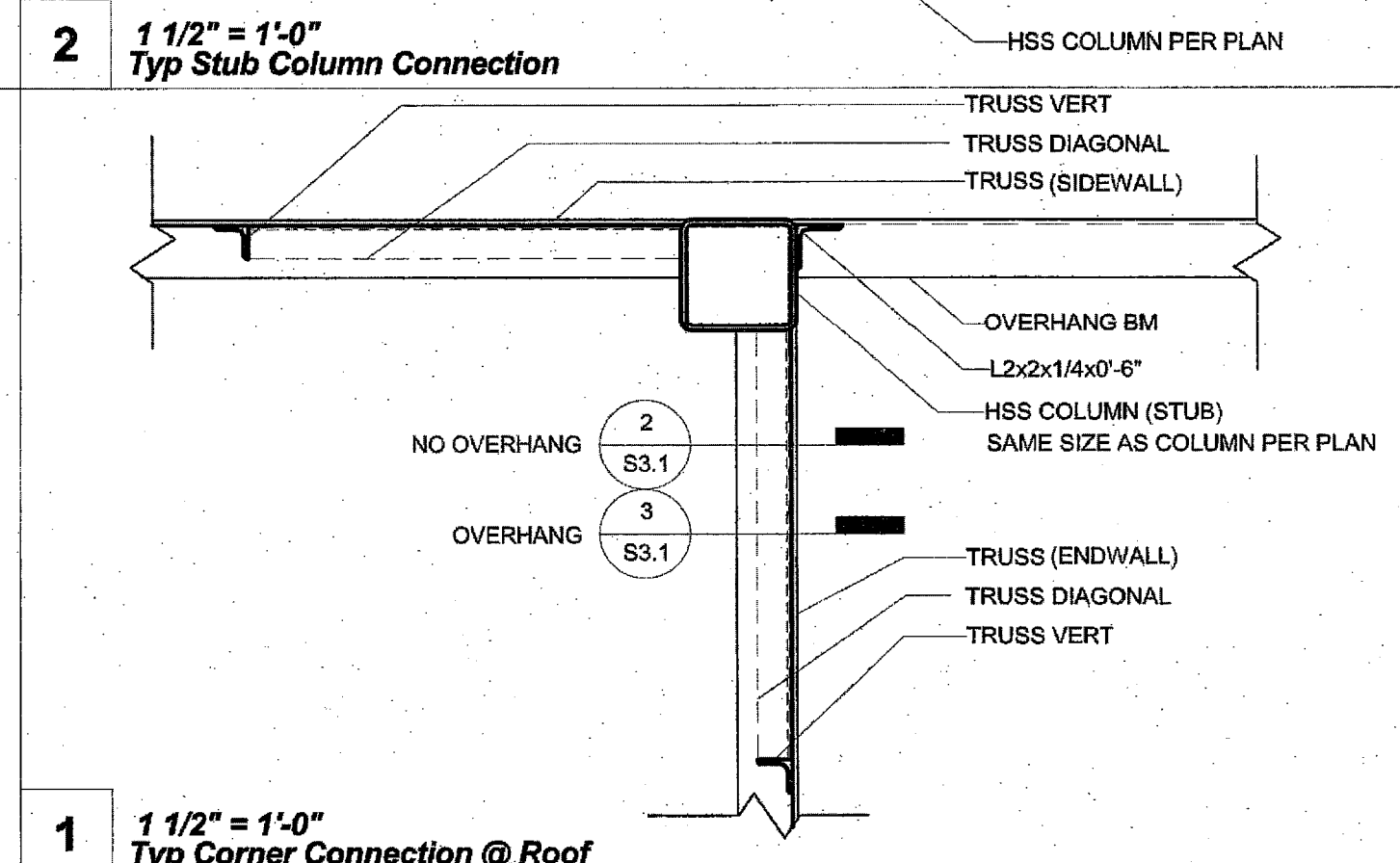
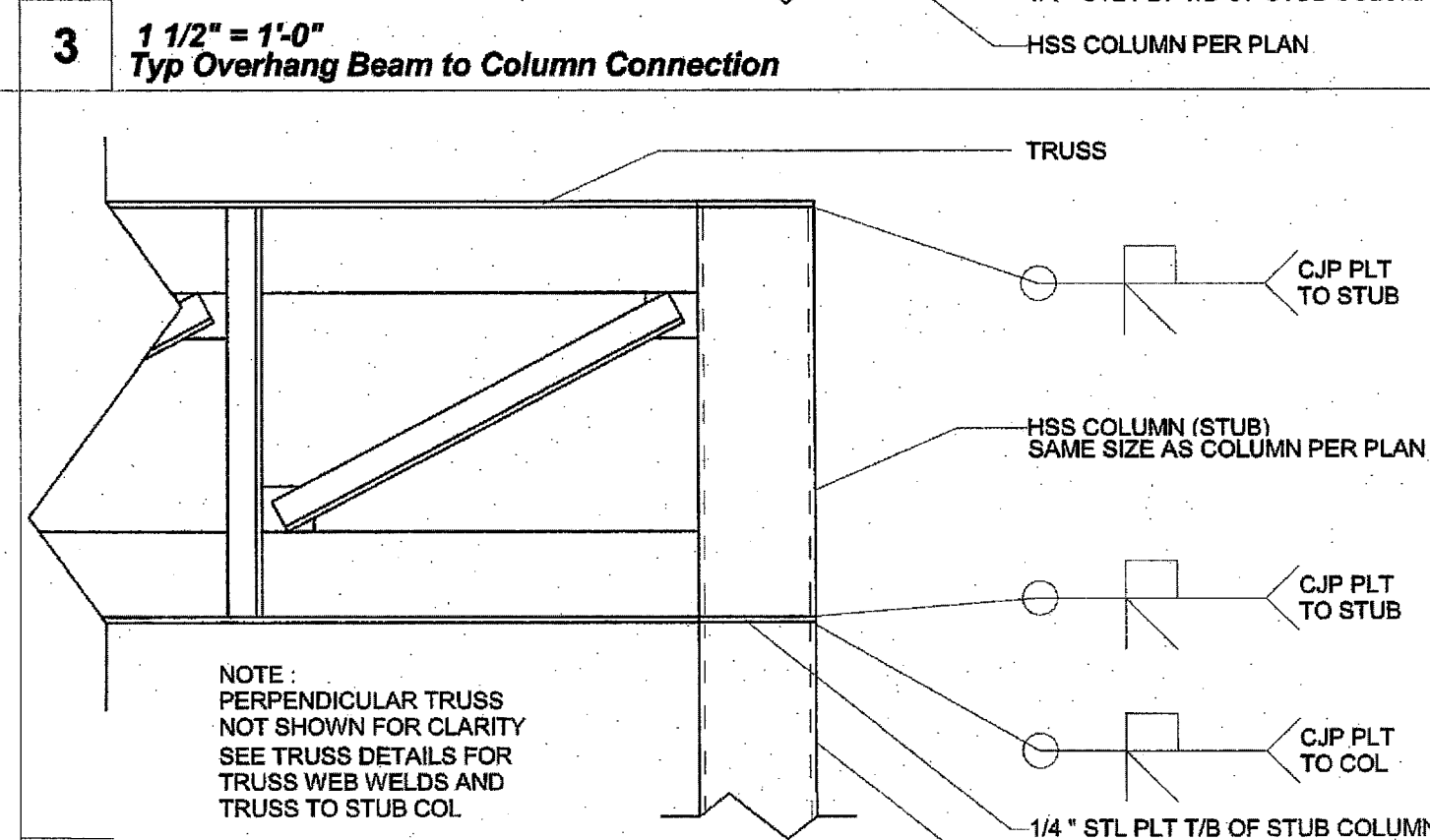
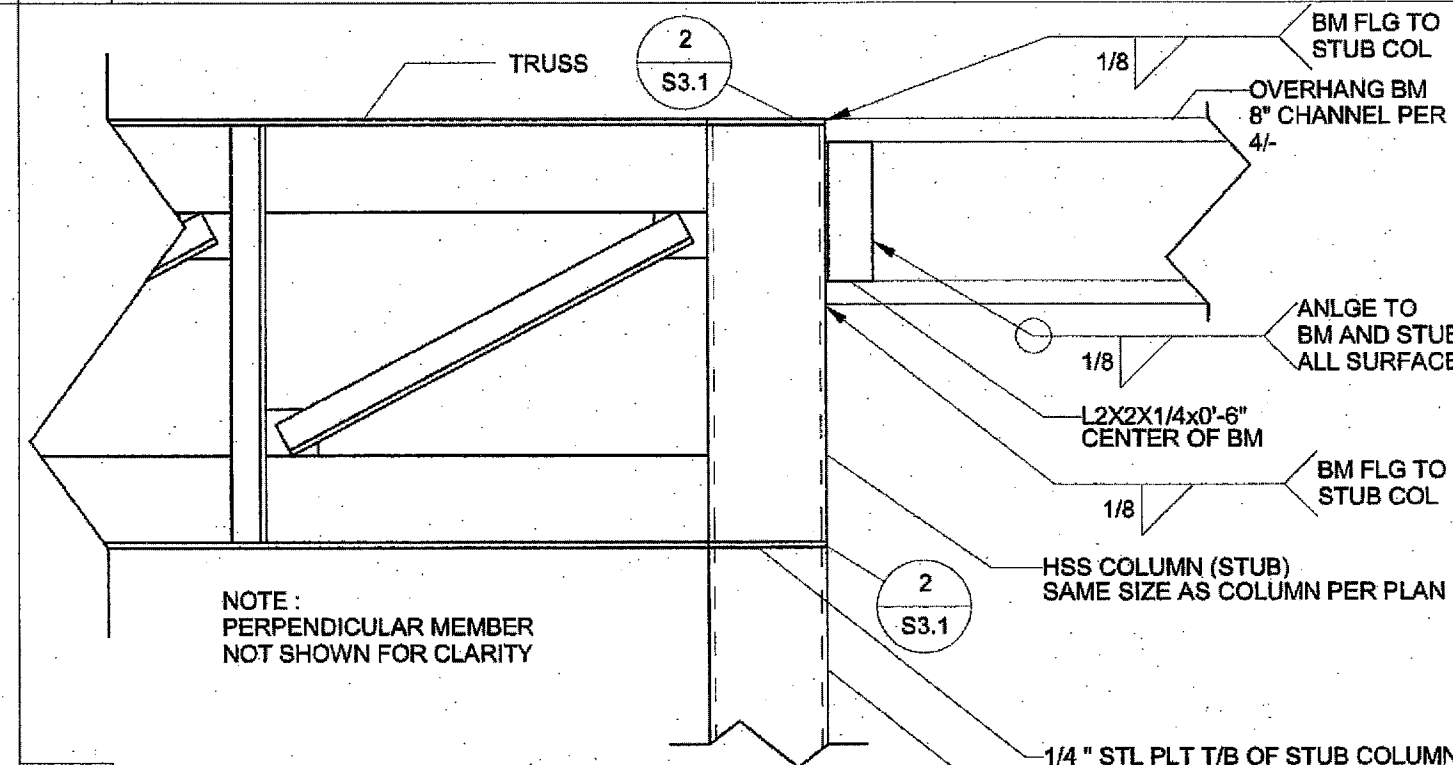
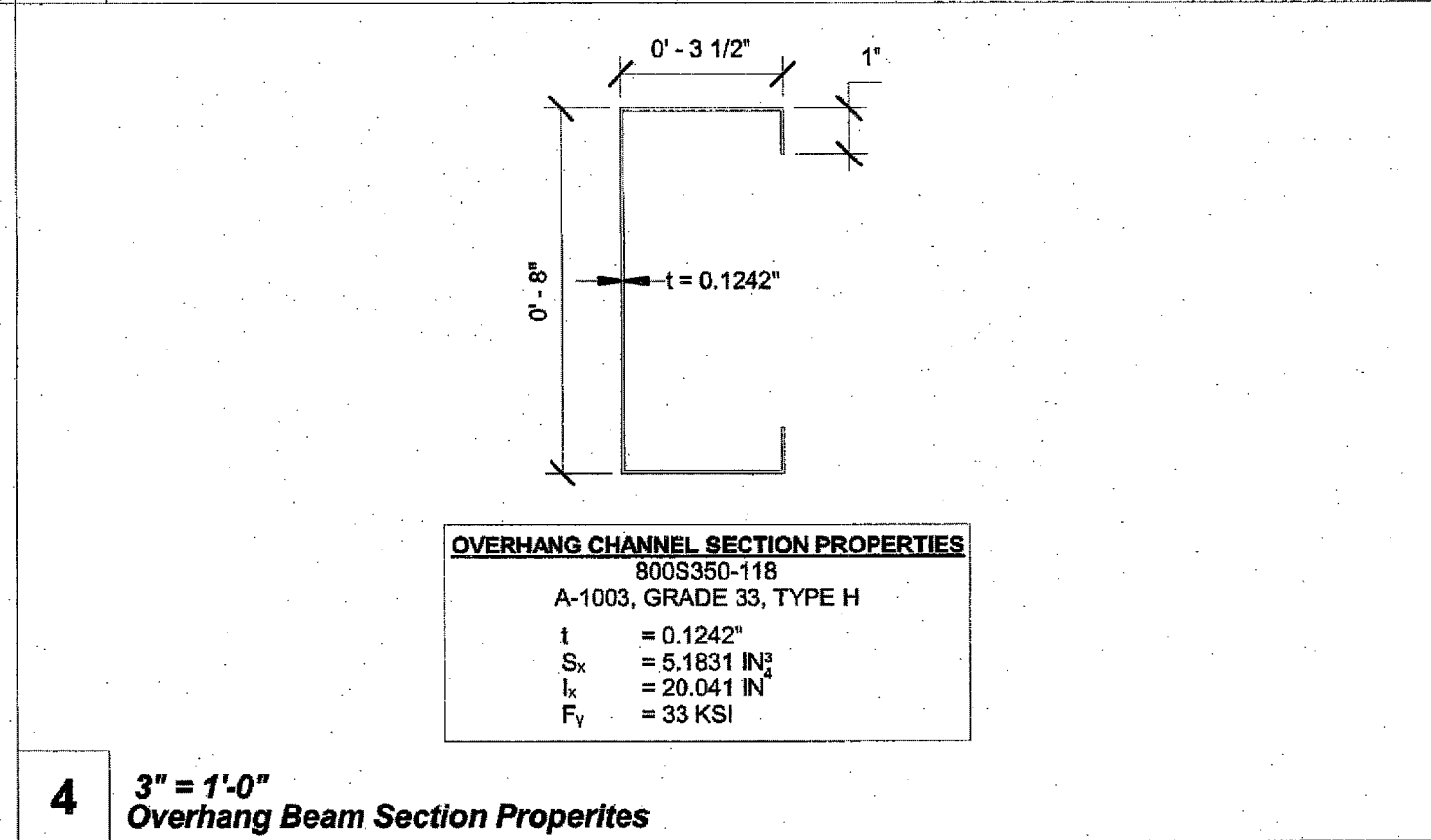
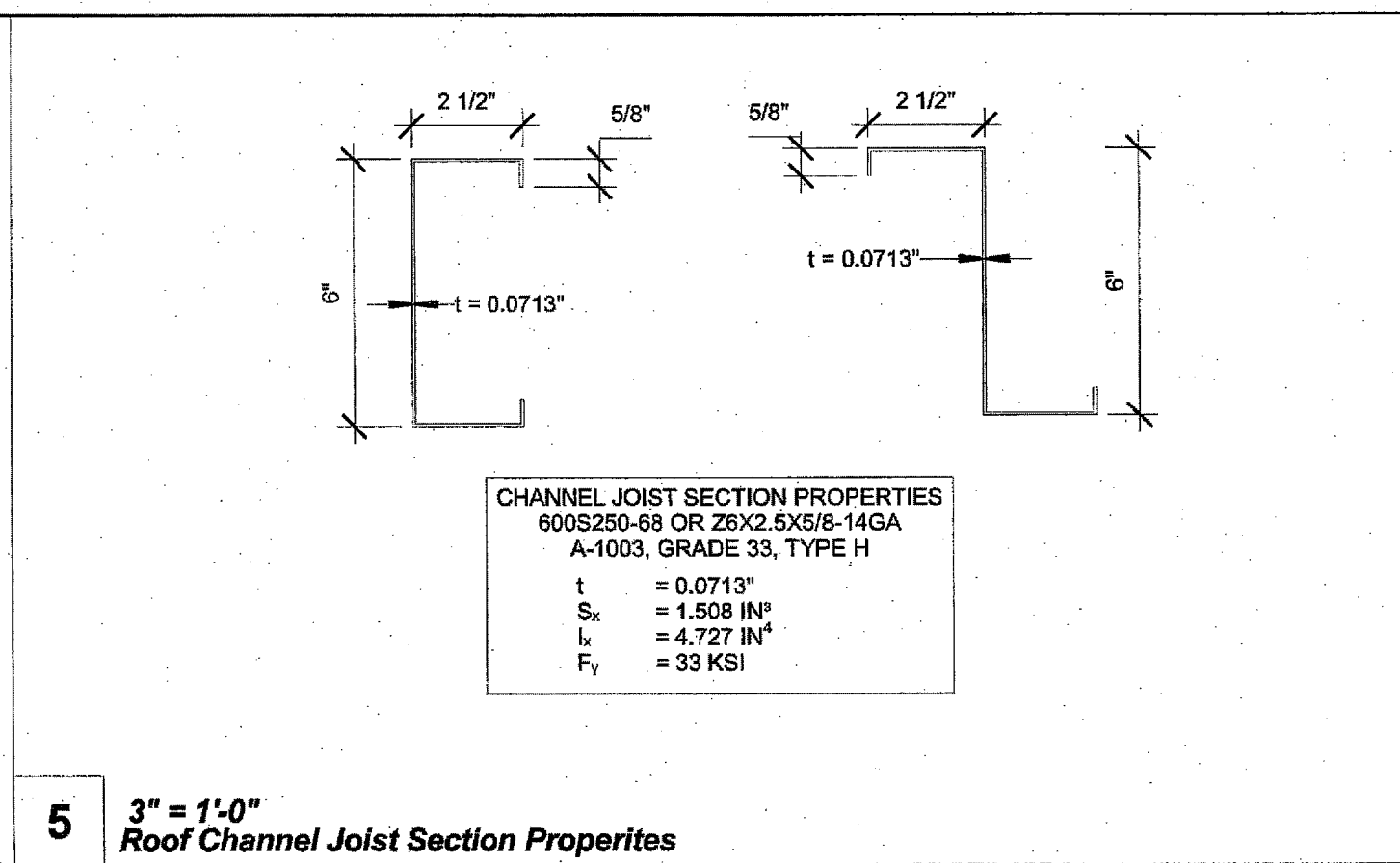
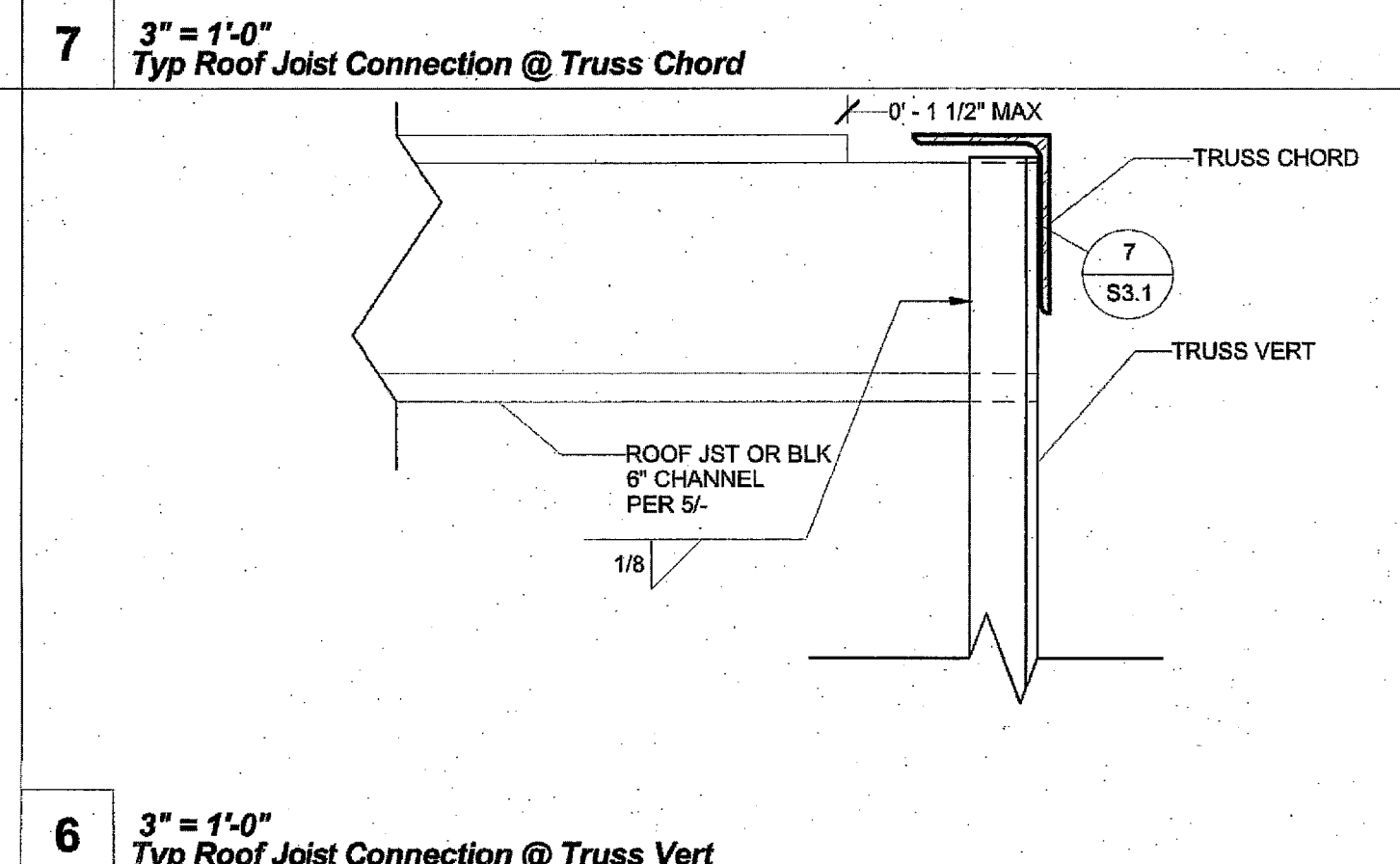
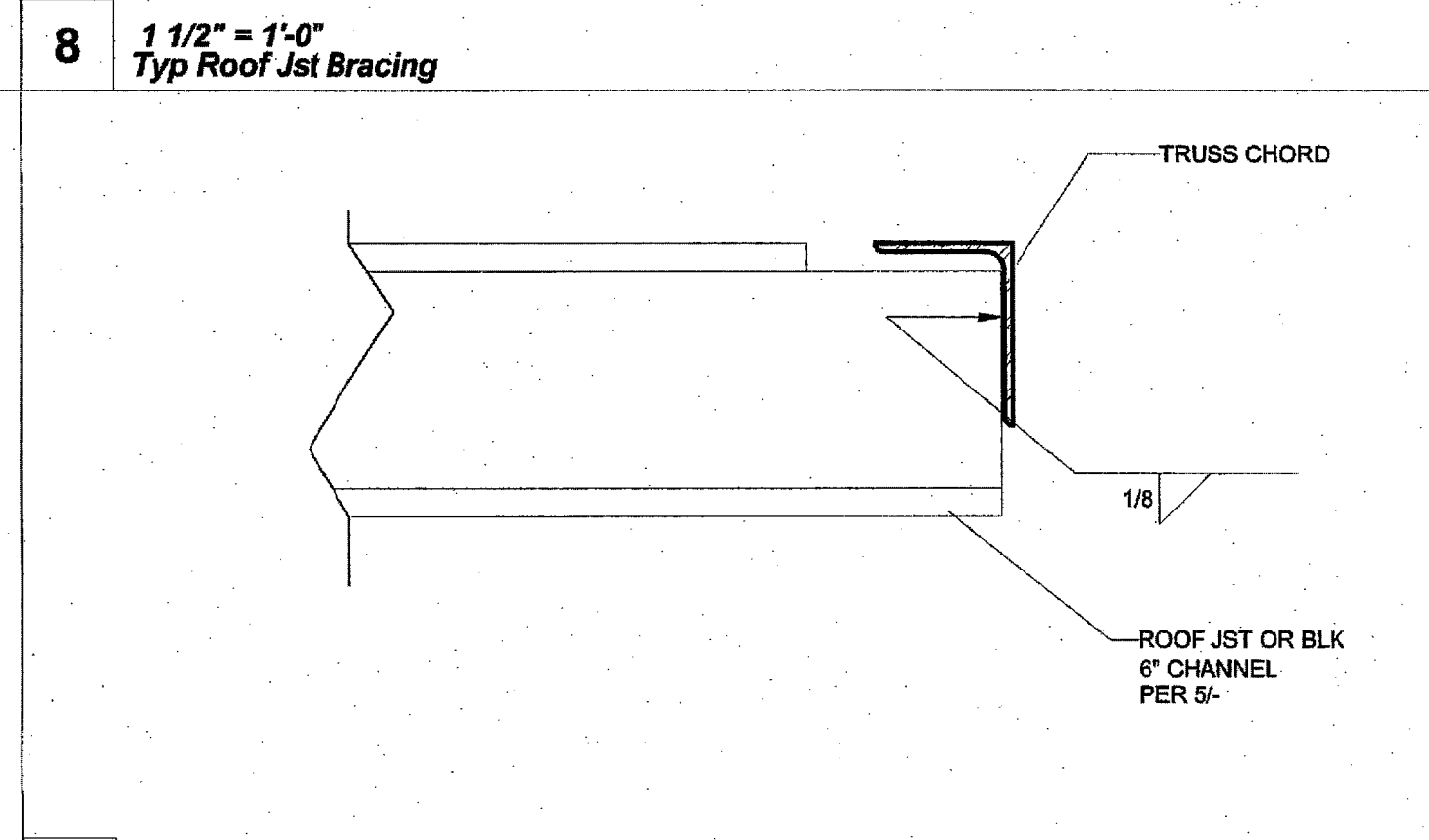
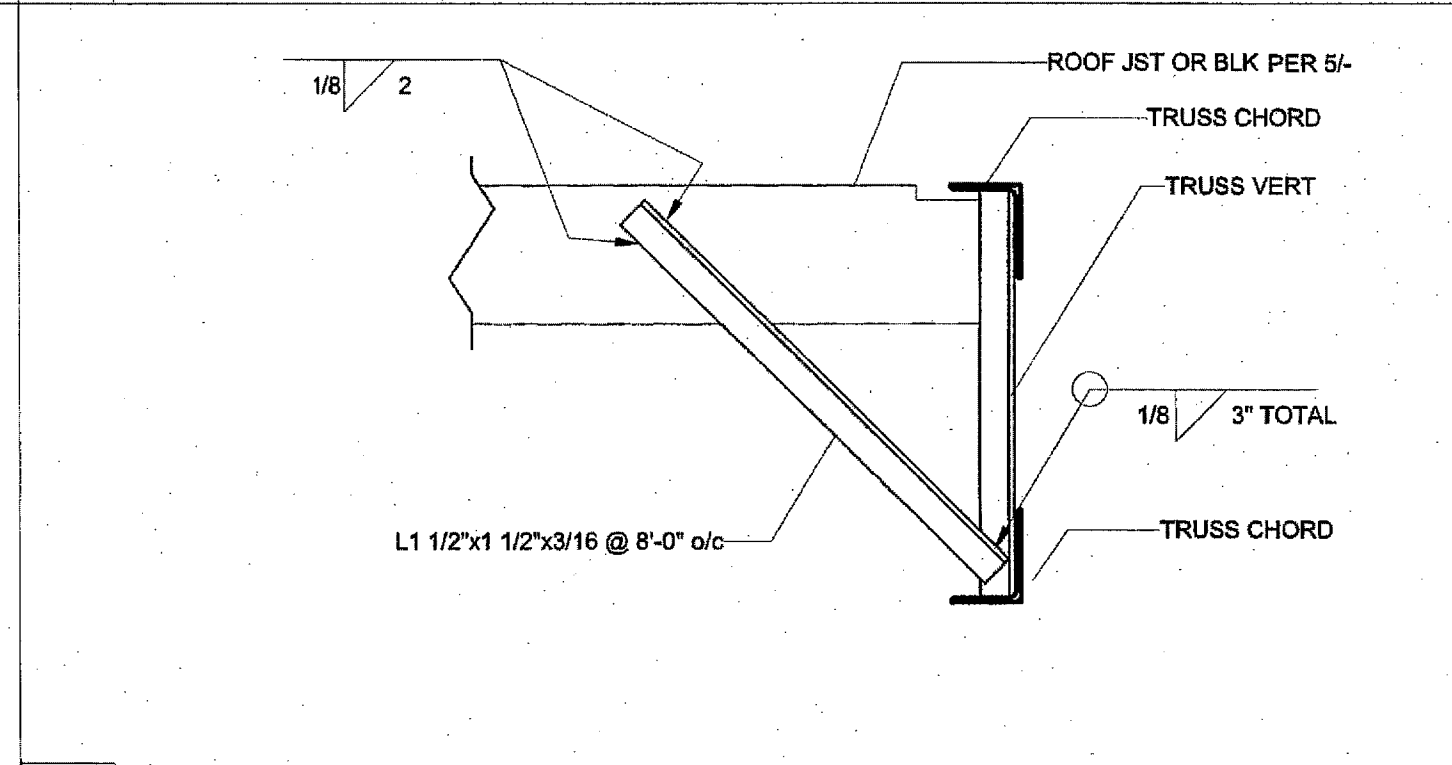
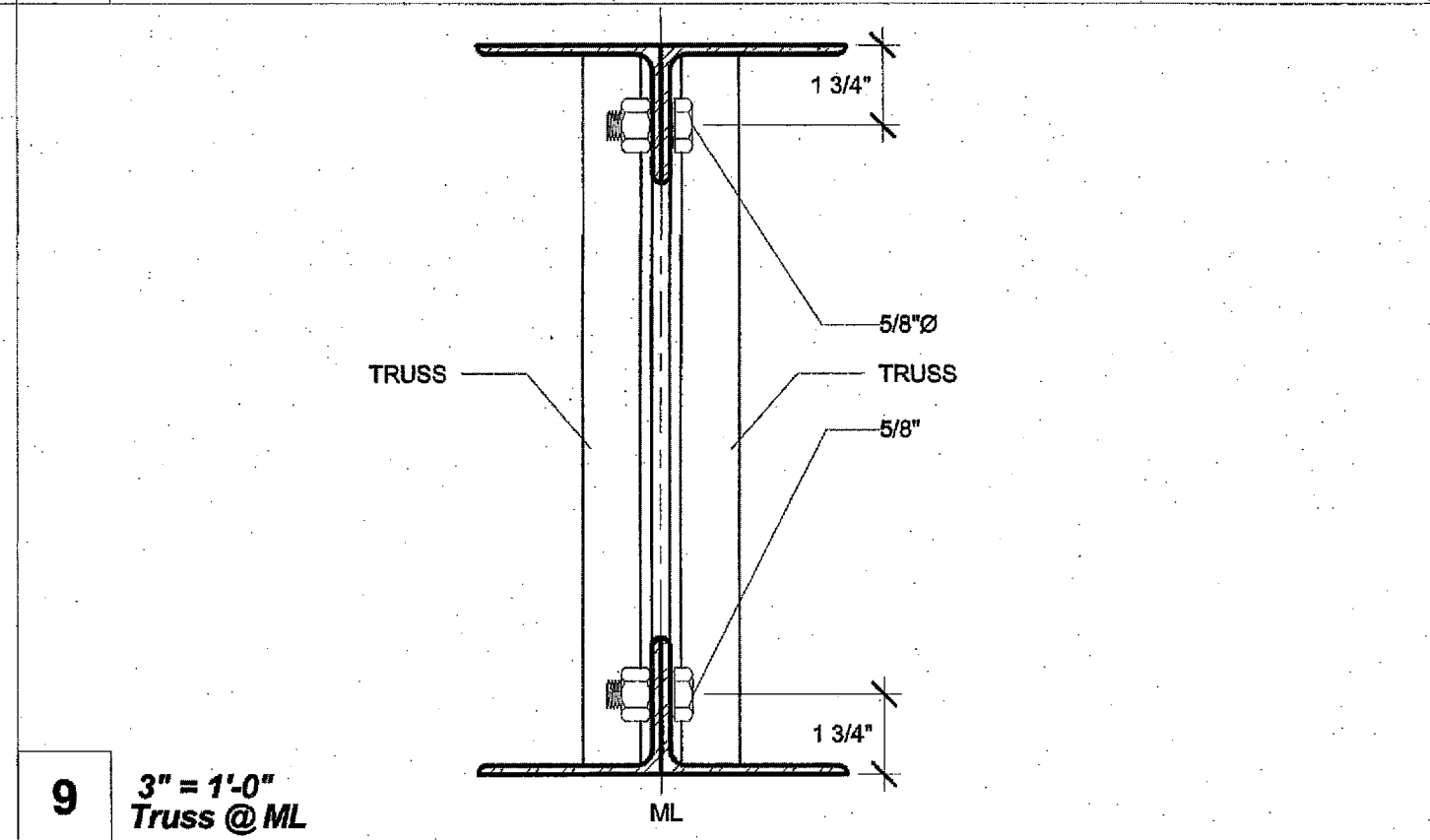
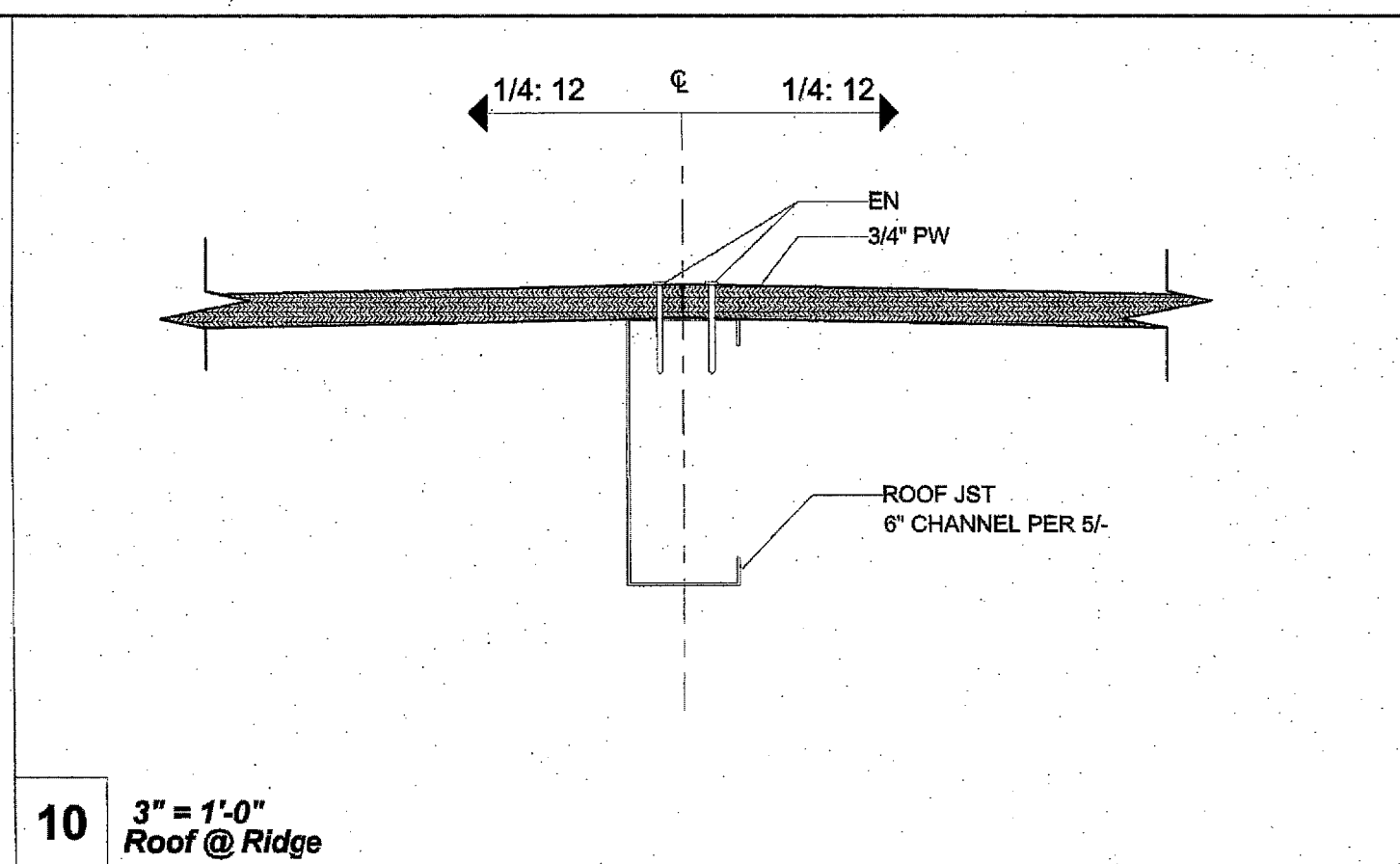
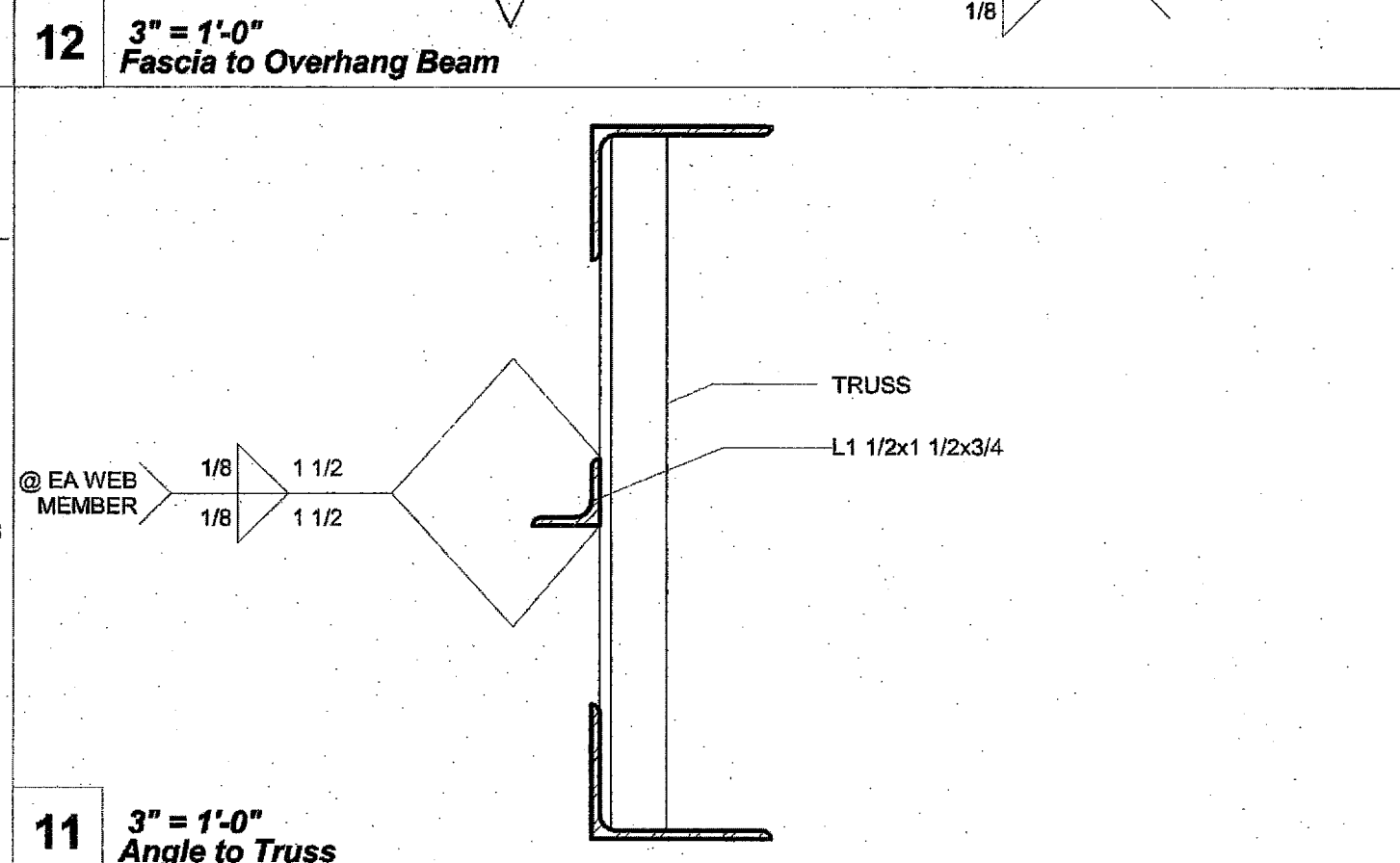
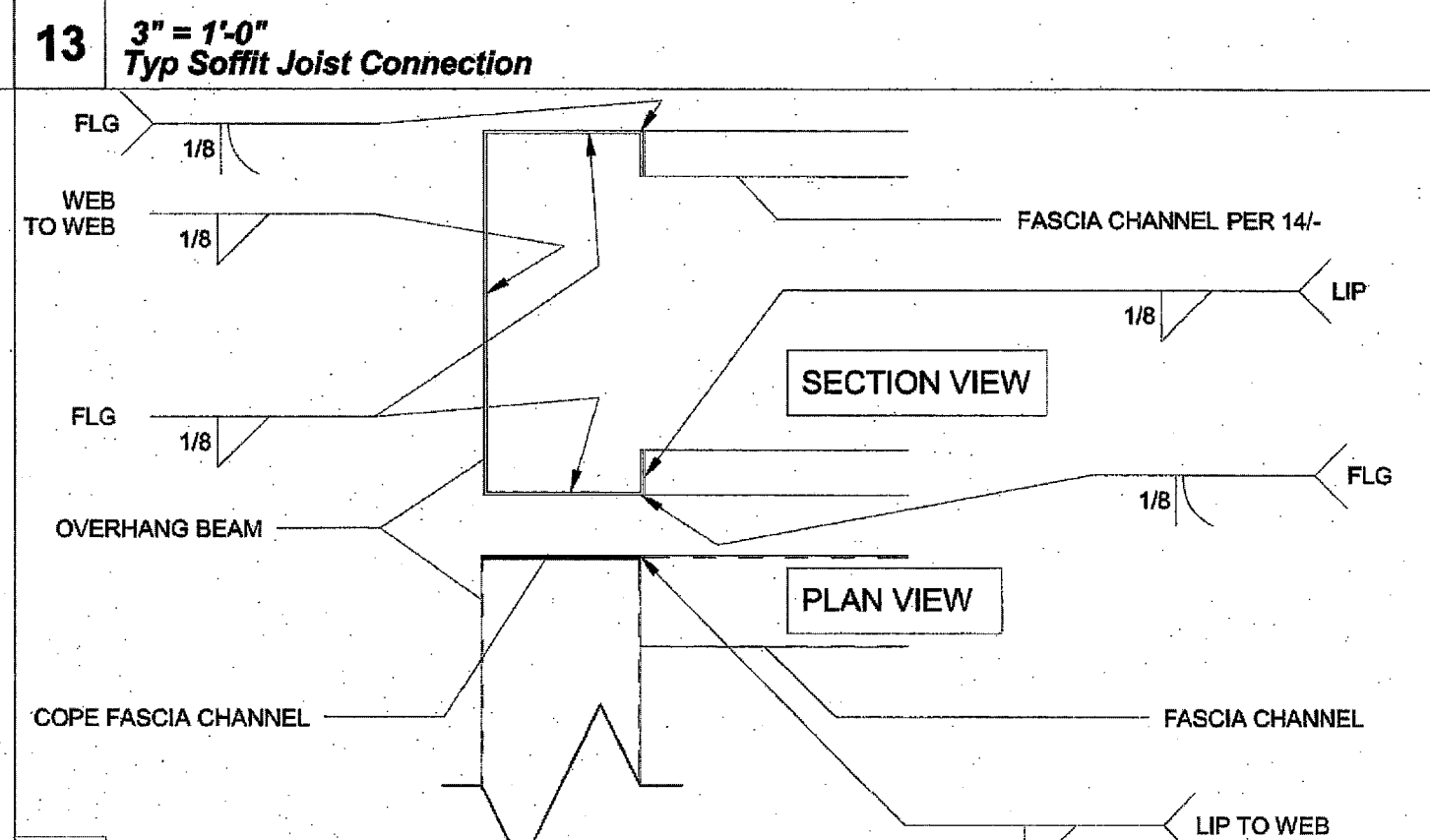
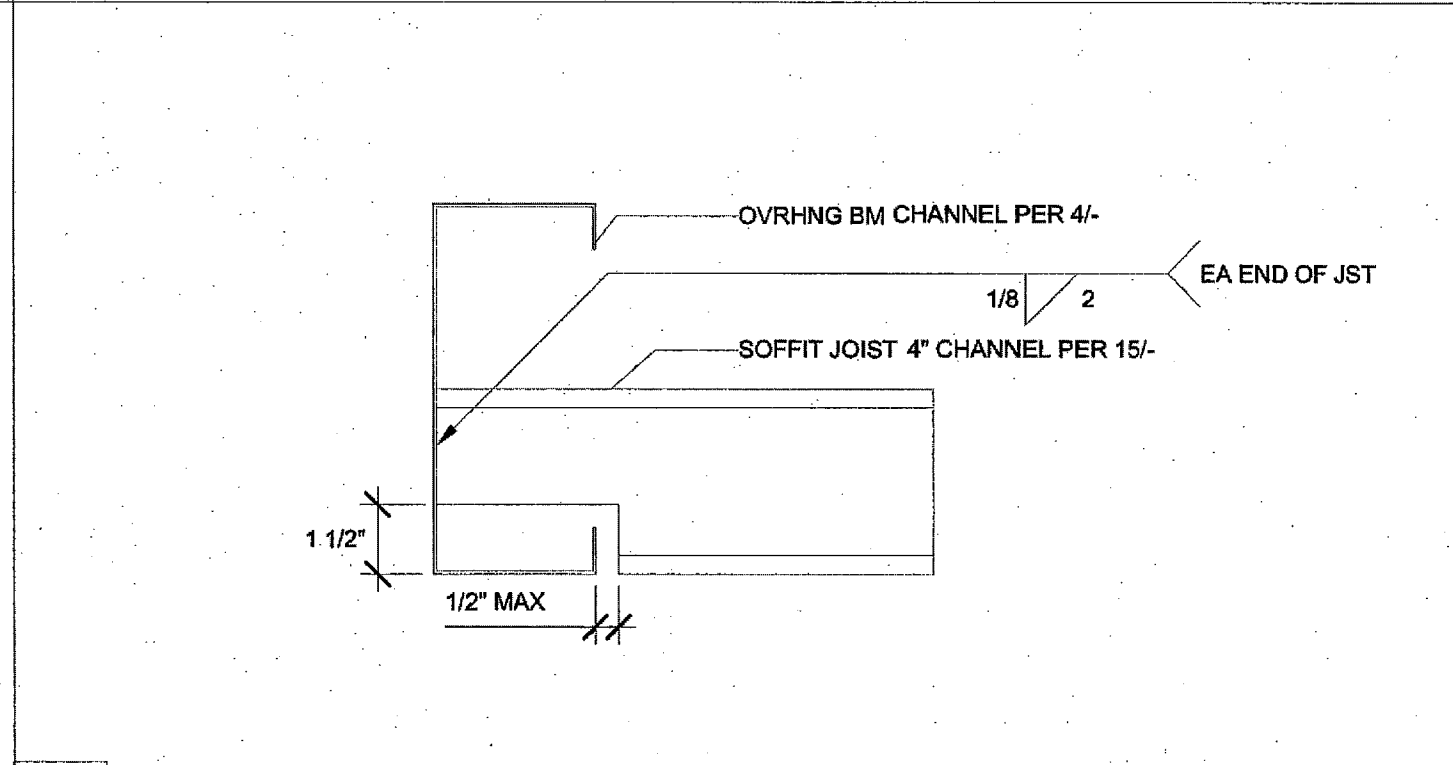
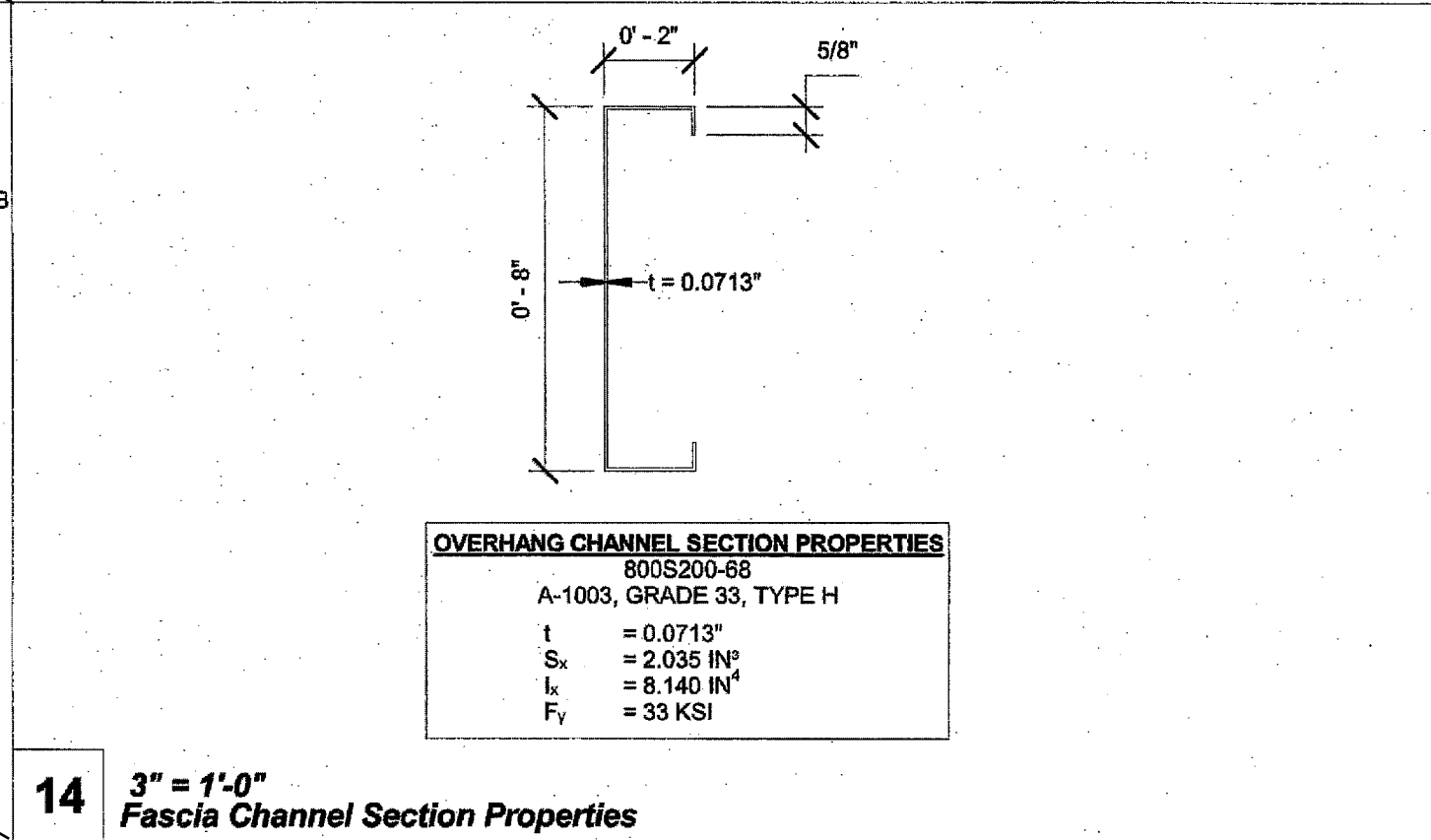
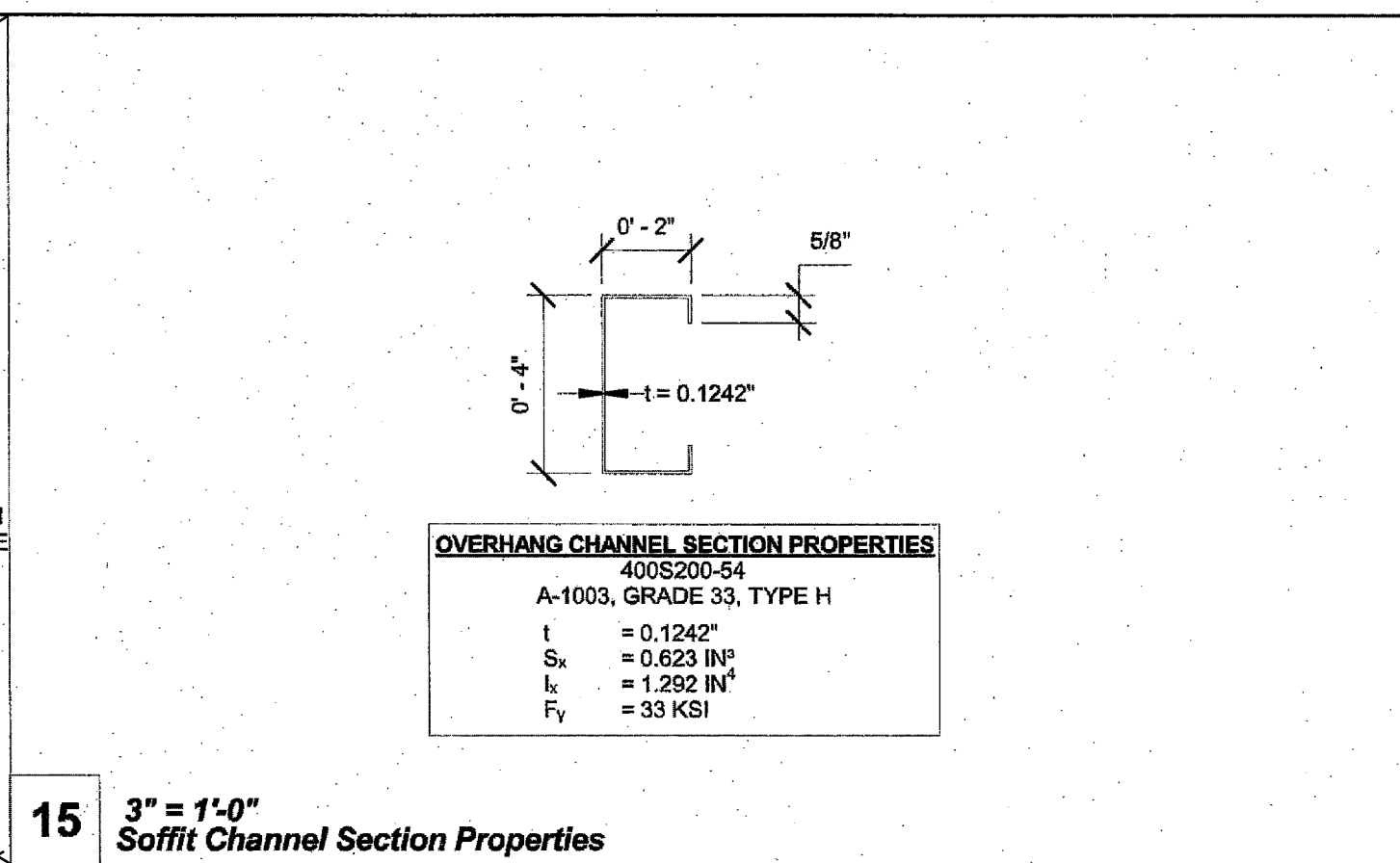
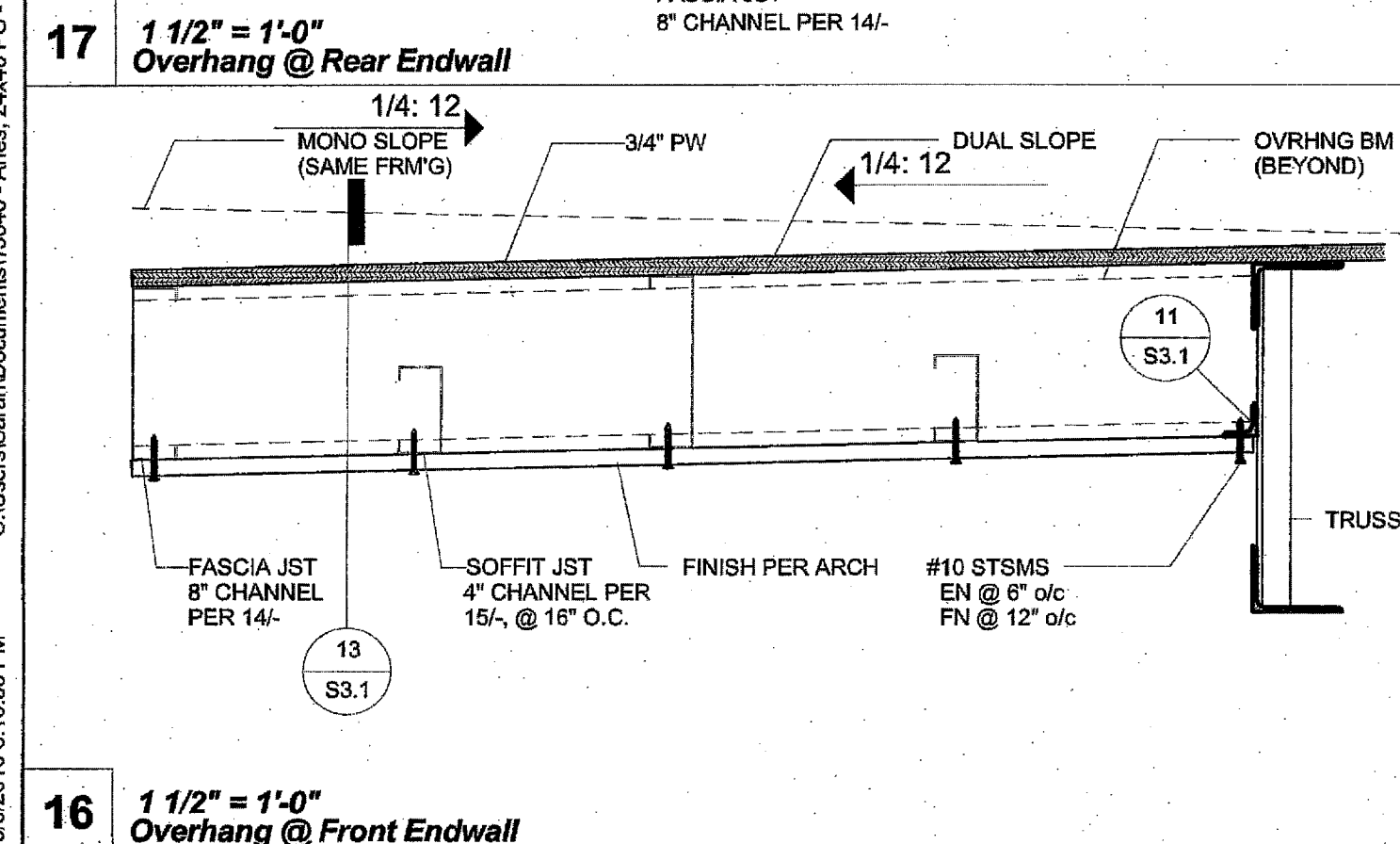
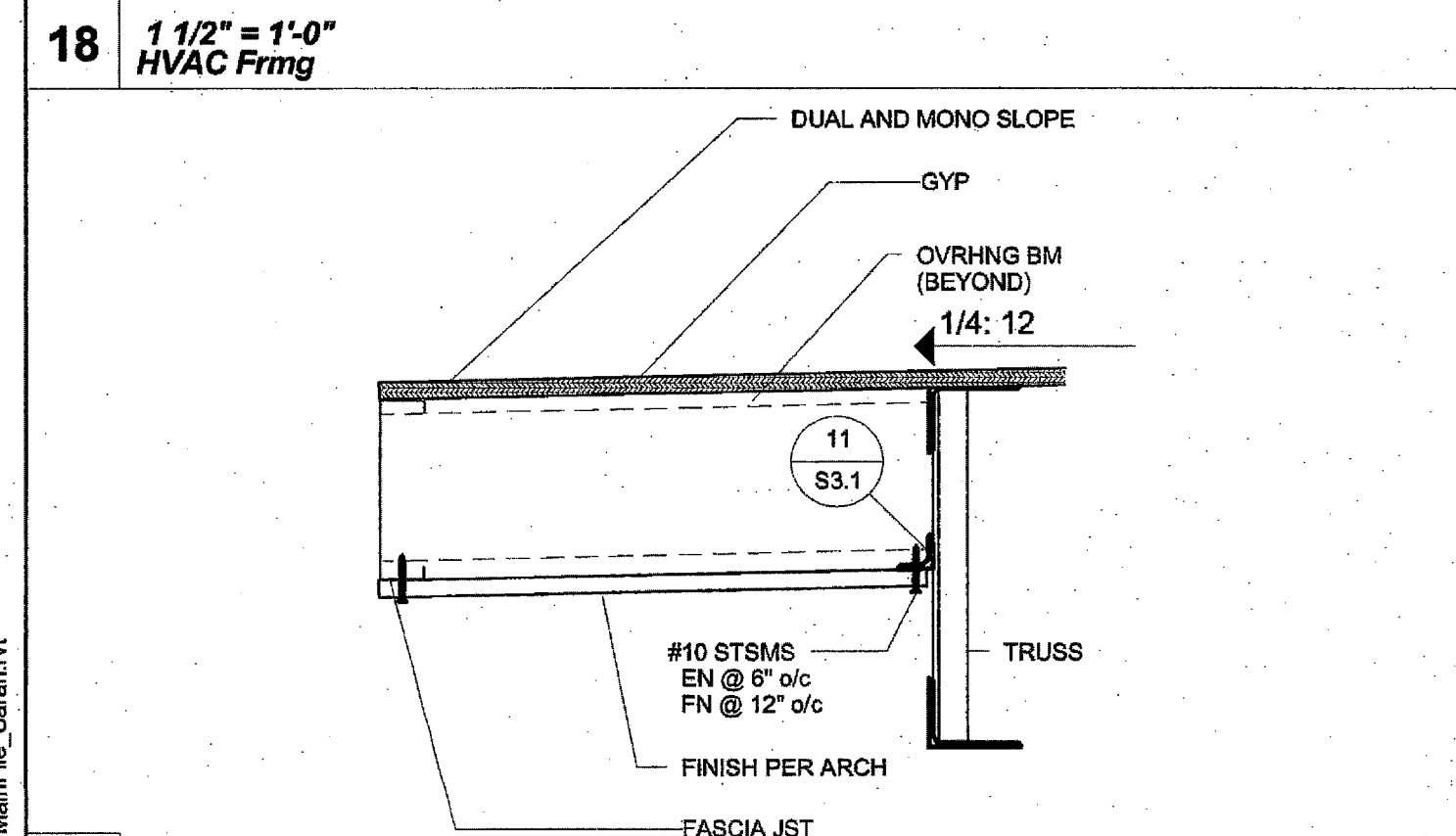
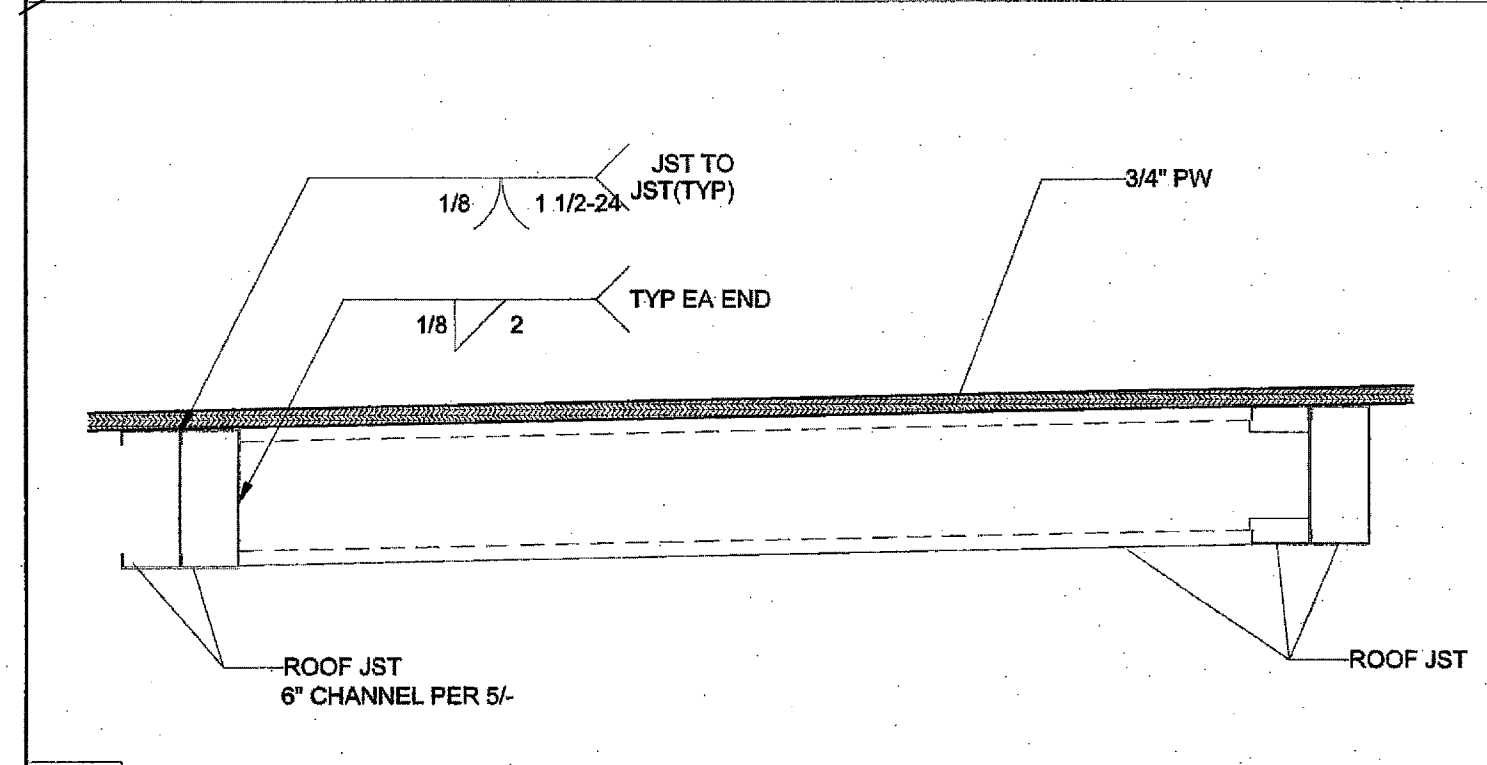
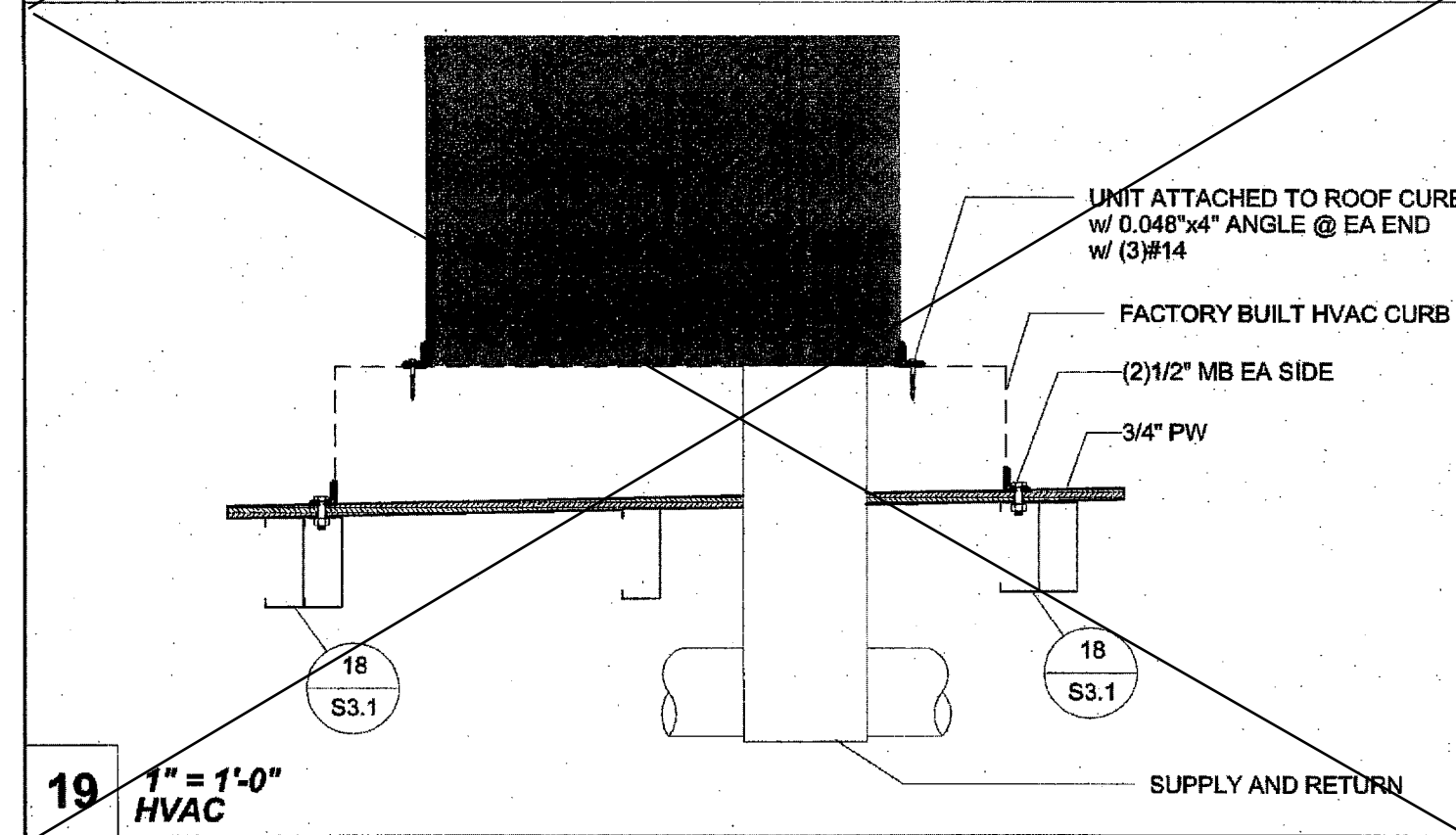
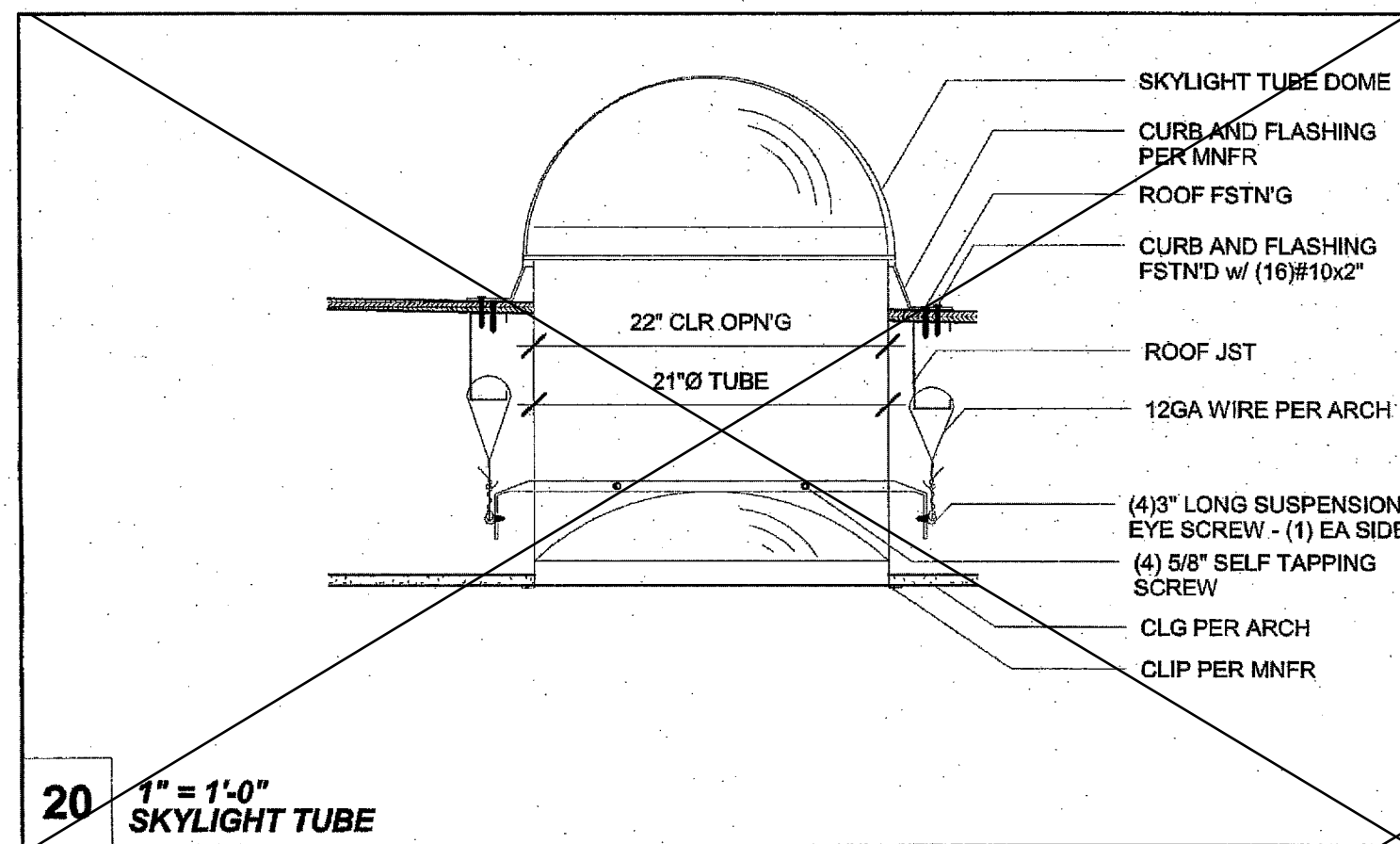
2016/03/02

SHEET NO.

S3.0.1

SHEET OF SHEETS

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11777 BERNARD PLAZA ST, SUITE 135
SAN DIEGO, CA 92128 858.444.2344
WWW.R&STAVARES.COM

PROFESSIONAL STAMP

03/02/2016

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CLIENT

1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PC 04-114654
MAR 18 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 115748
ACS - FLS - SS
DATE DEC 18 2016

Revision Schedule

#	Description	Date
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SHEET TITLE

STRUCTURAL
DETAILS
(ROOF)

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

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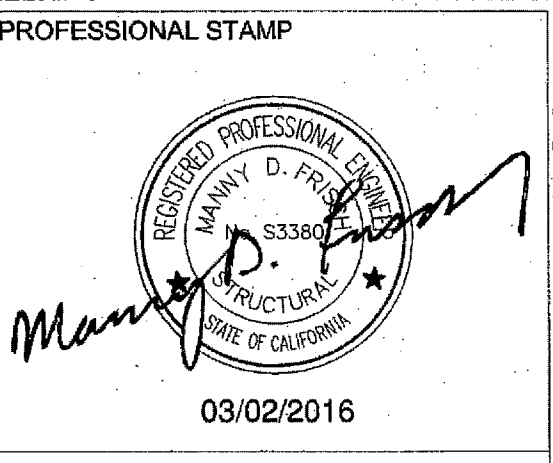
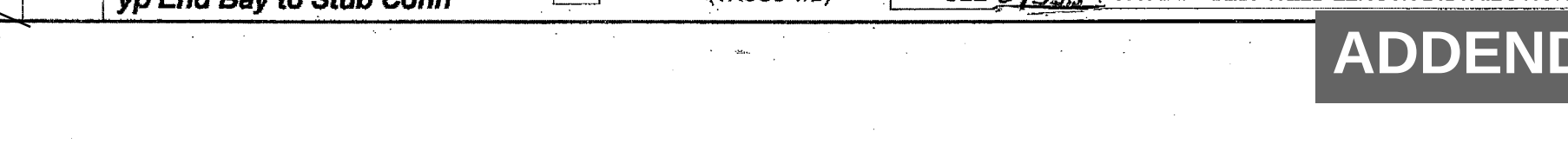
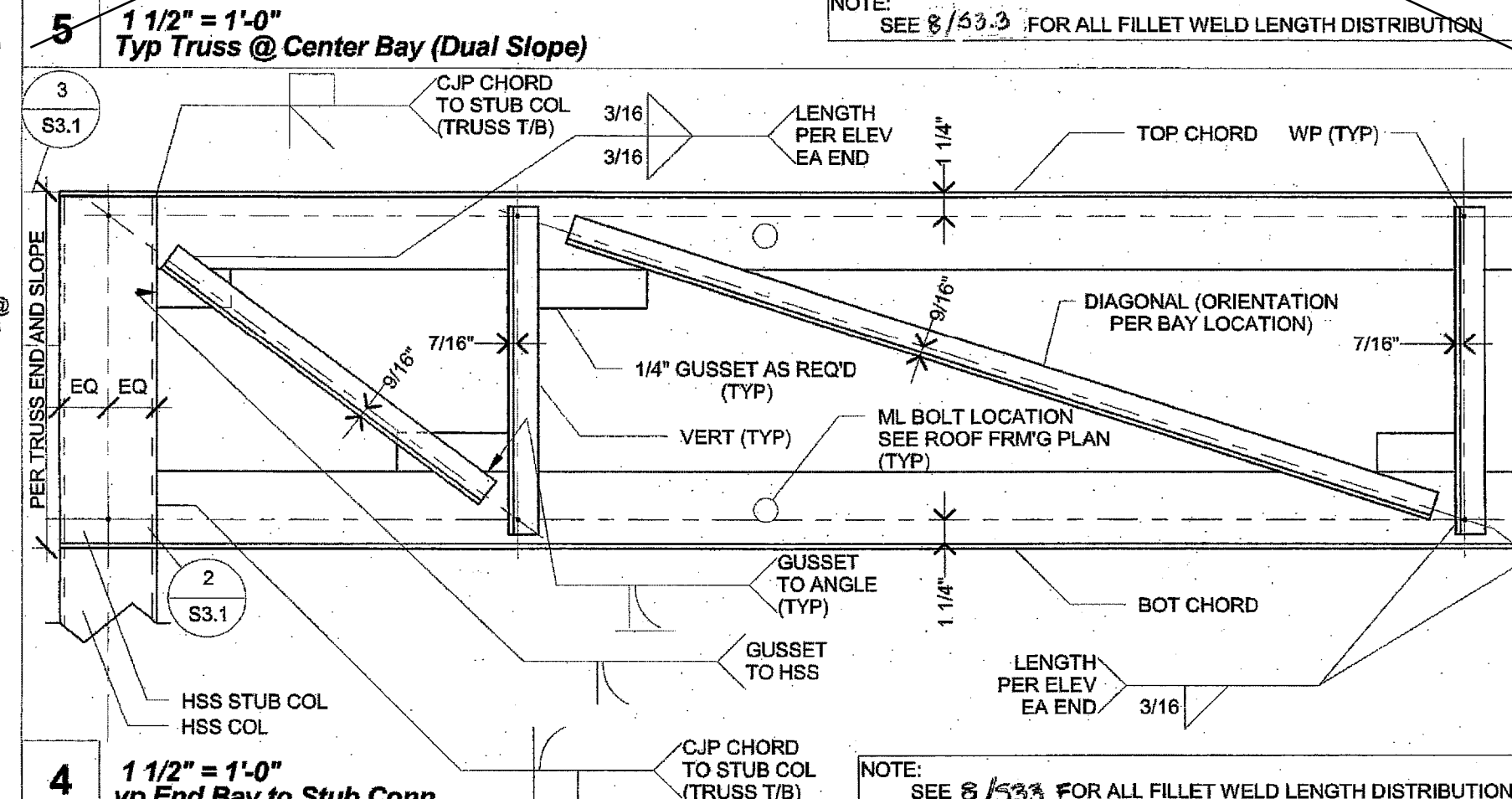
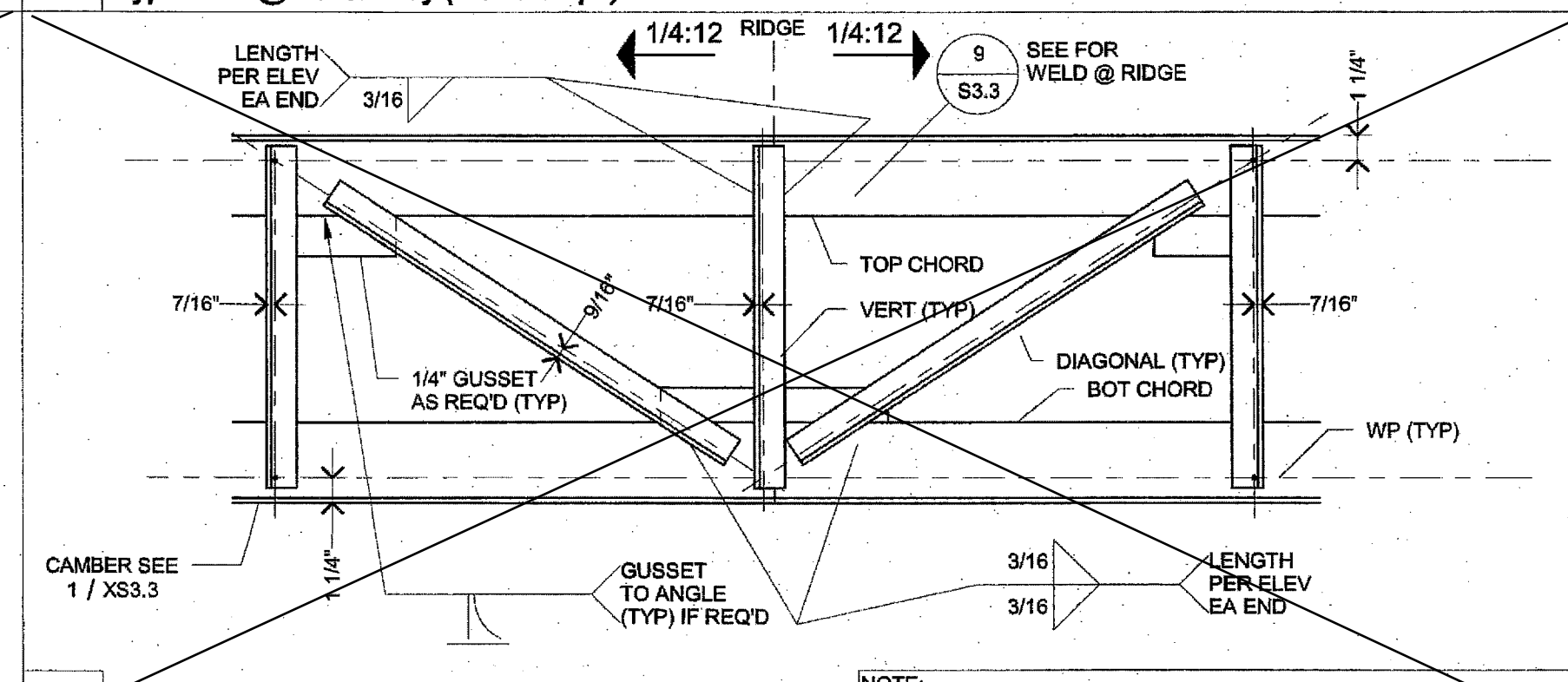
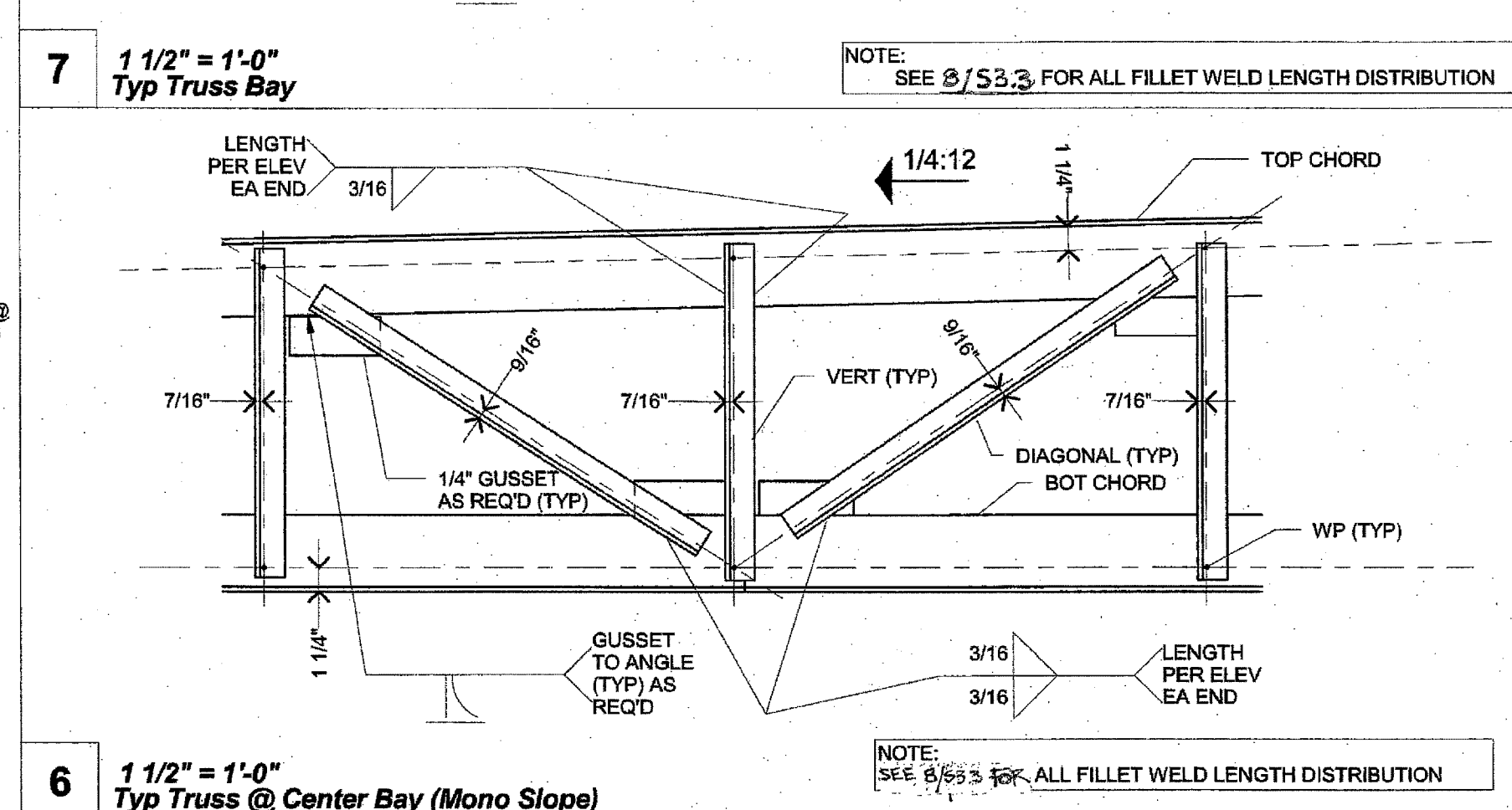
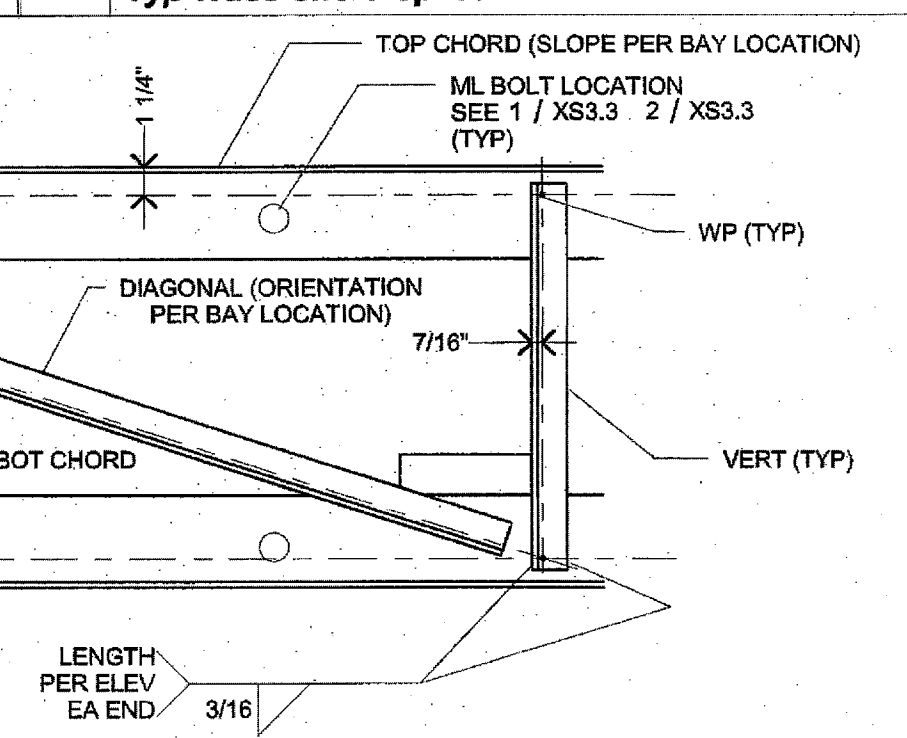
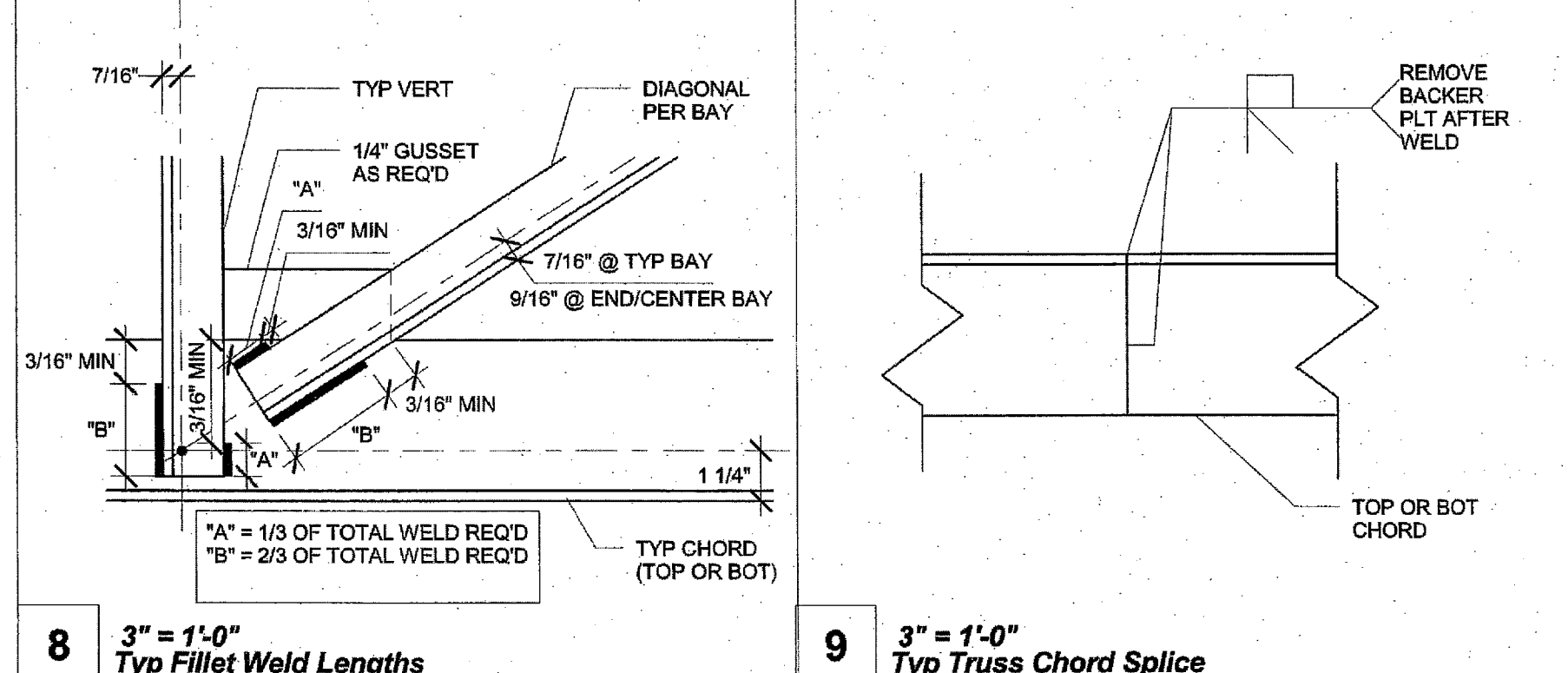
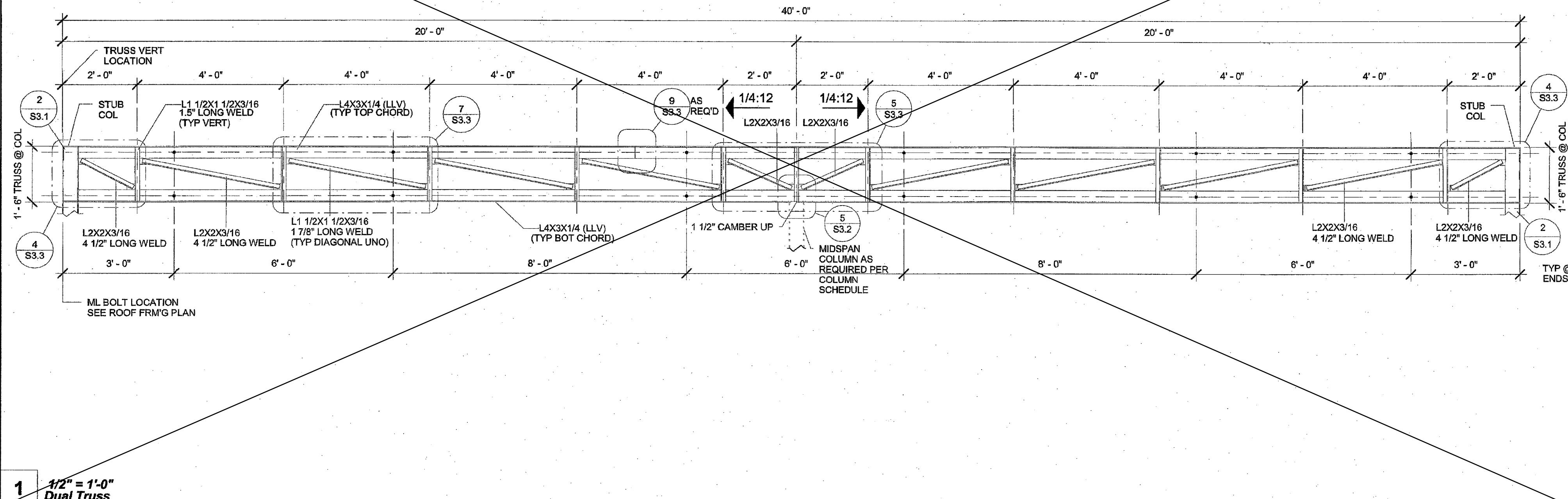
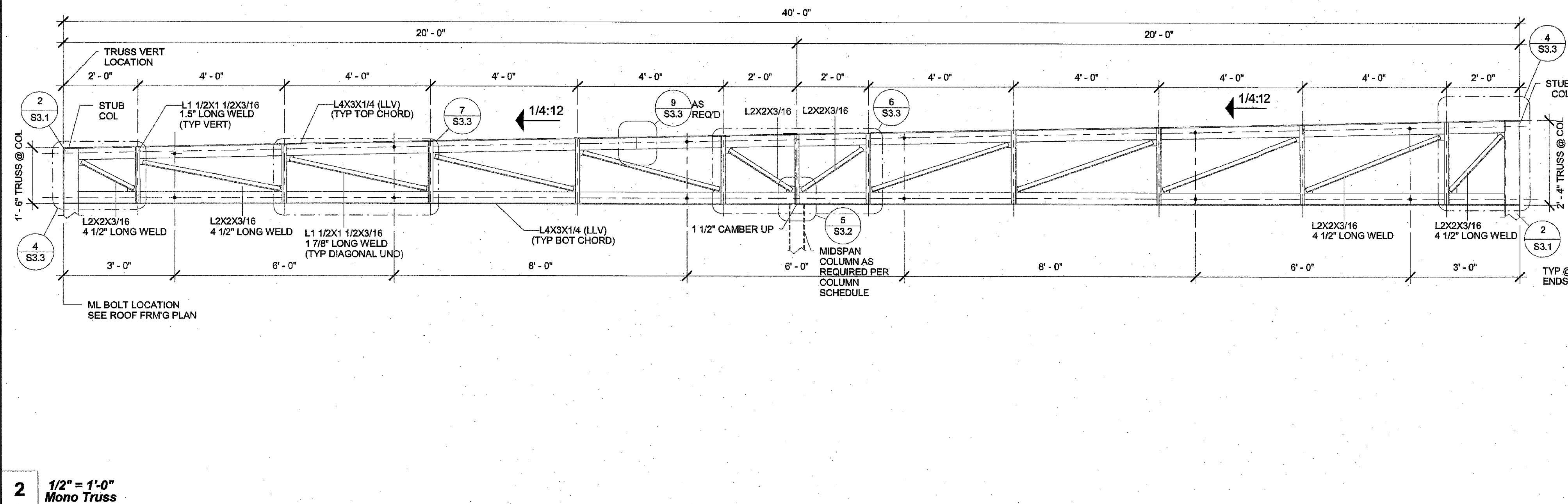
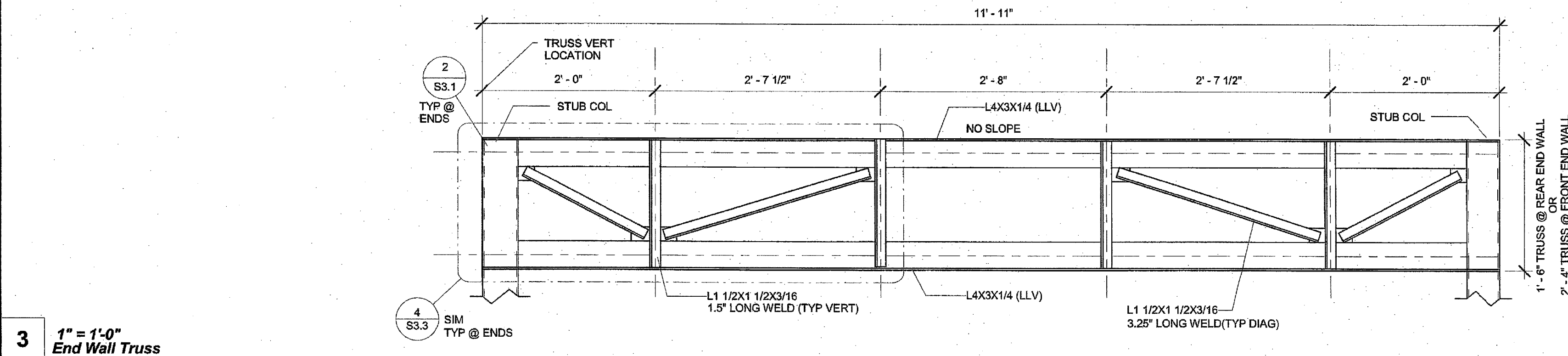
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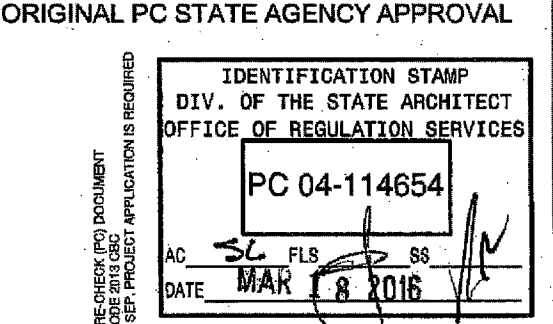
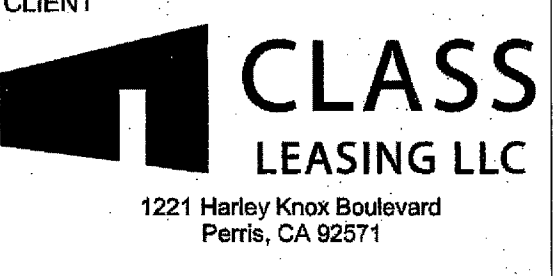
ADDENDUM

Proprietary Property of Class Leasing

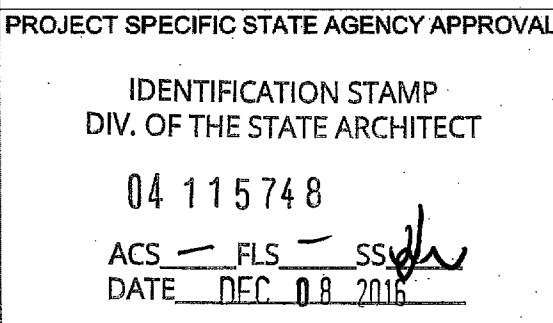
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PROJECT TITLE
**24' x 40'
EXPANDABLE TO
48' x 40'**



Revision Schedule		
#	Description	Date

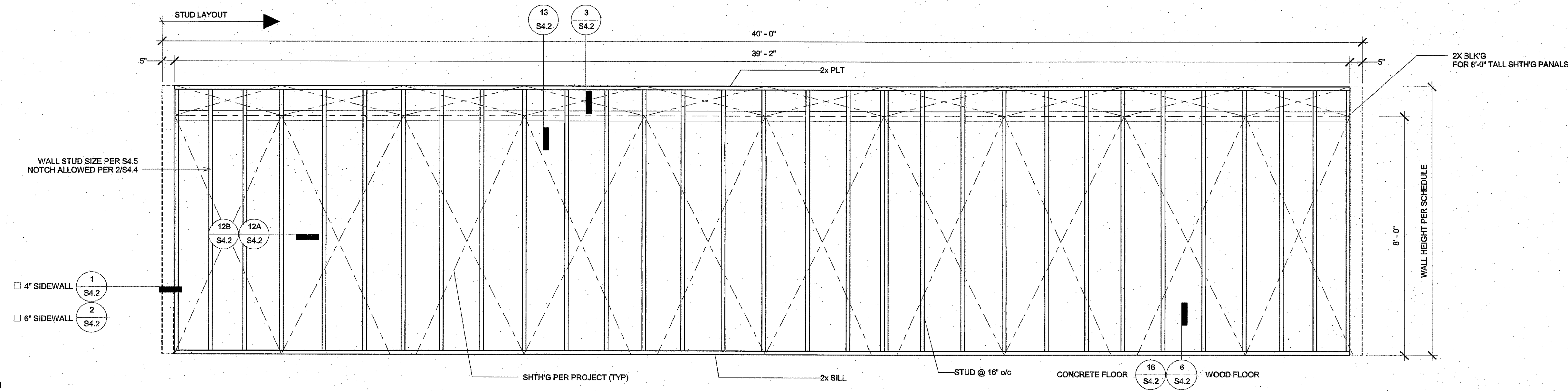
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ROOF PERIMETER TRUSS

PROJECT NUMBER	15046
DRAWN BY	rMc/SM
CHECKED BY	JA/RT
DATE	2016/03/02
SHEET NO.	S3.3

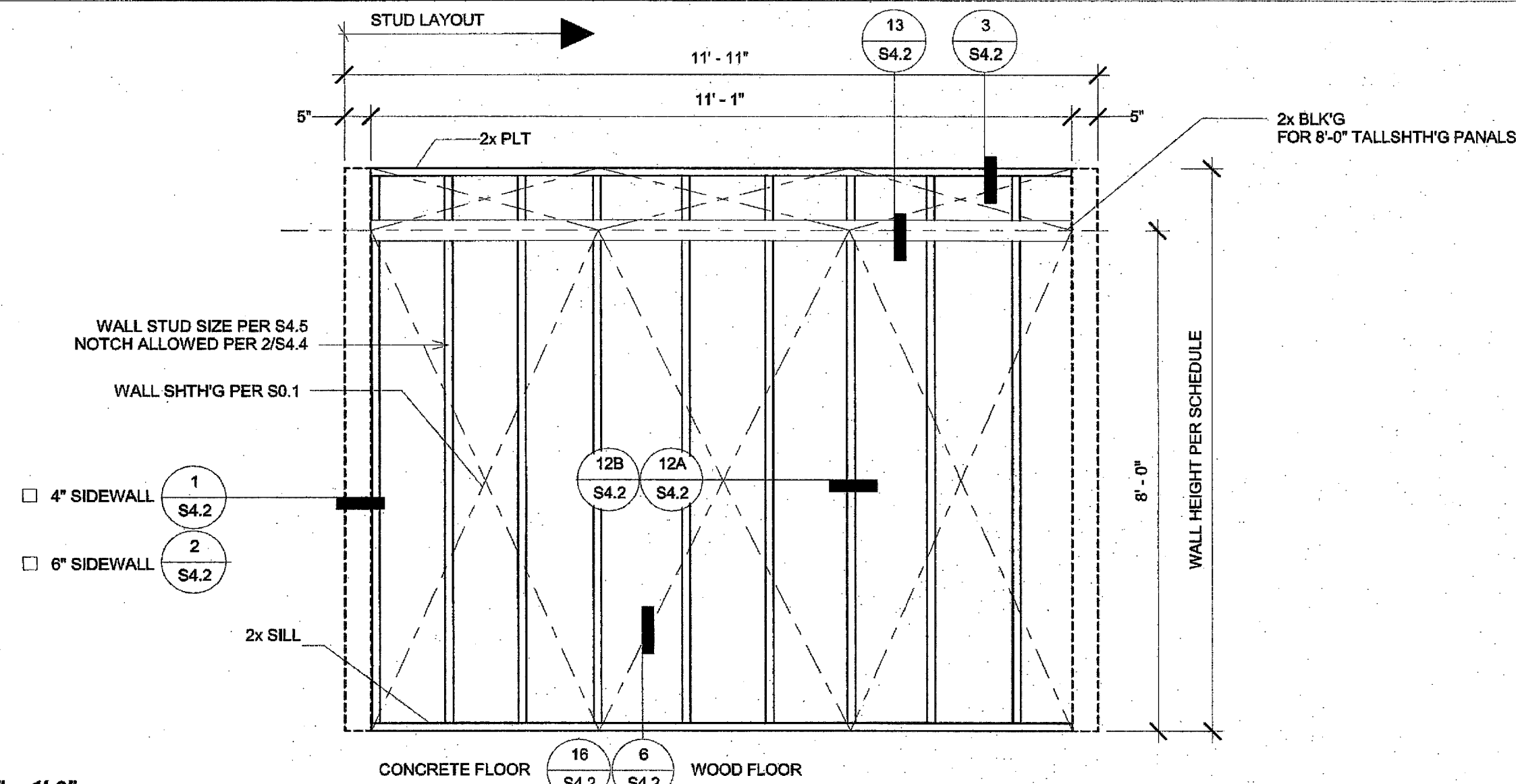
ADDENDUM

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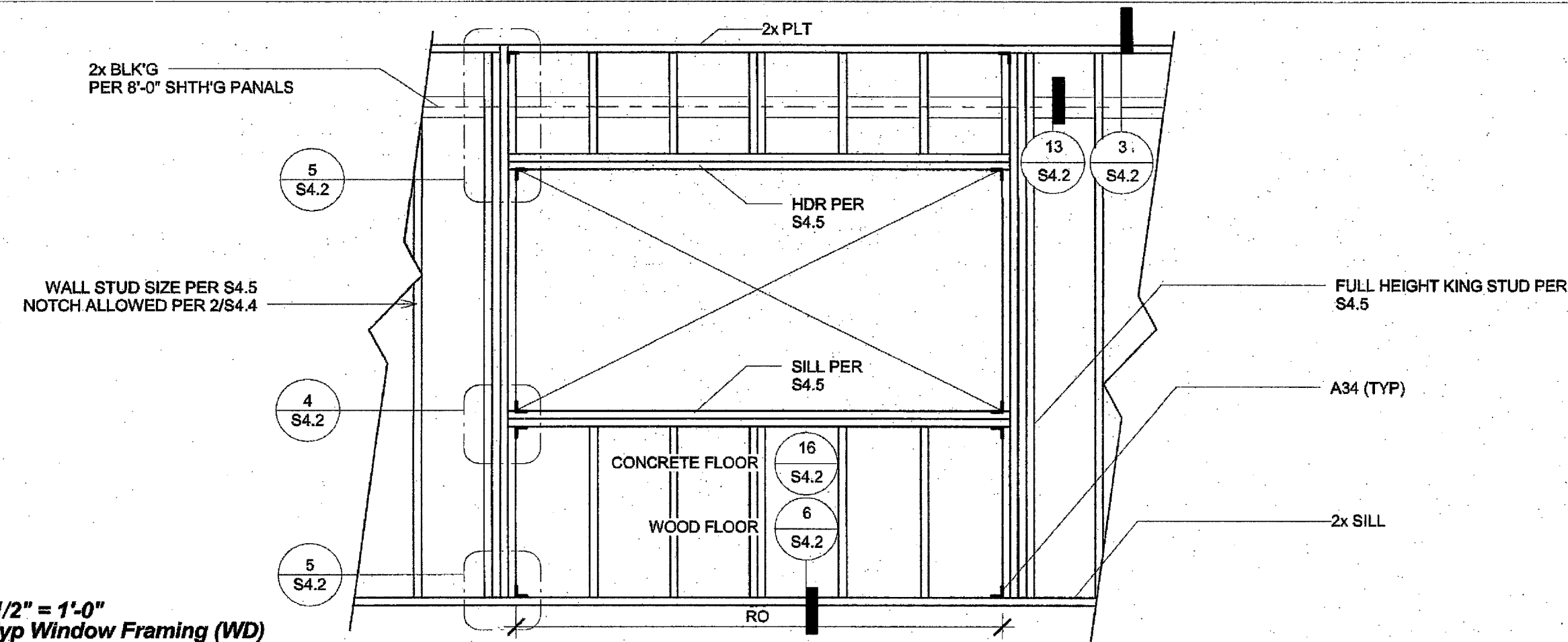
1 1/2" = 1'-0"
Typ Sidewall Framing (WD)



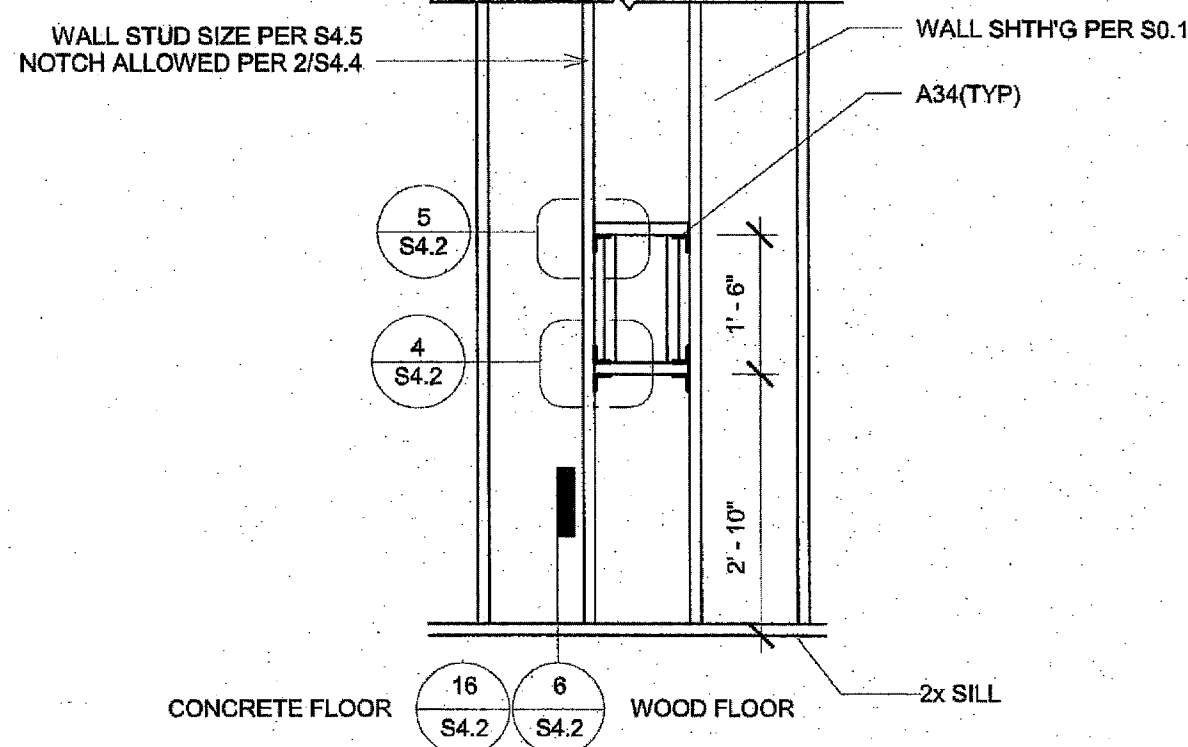
2 1/2" = 1'-0"
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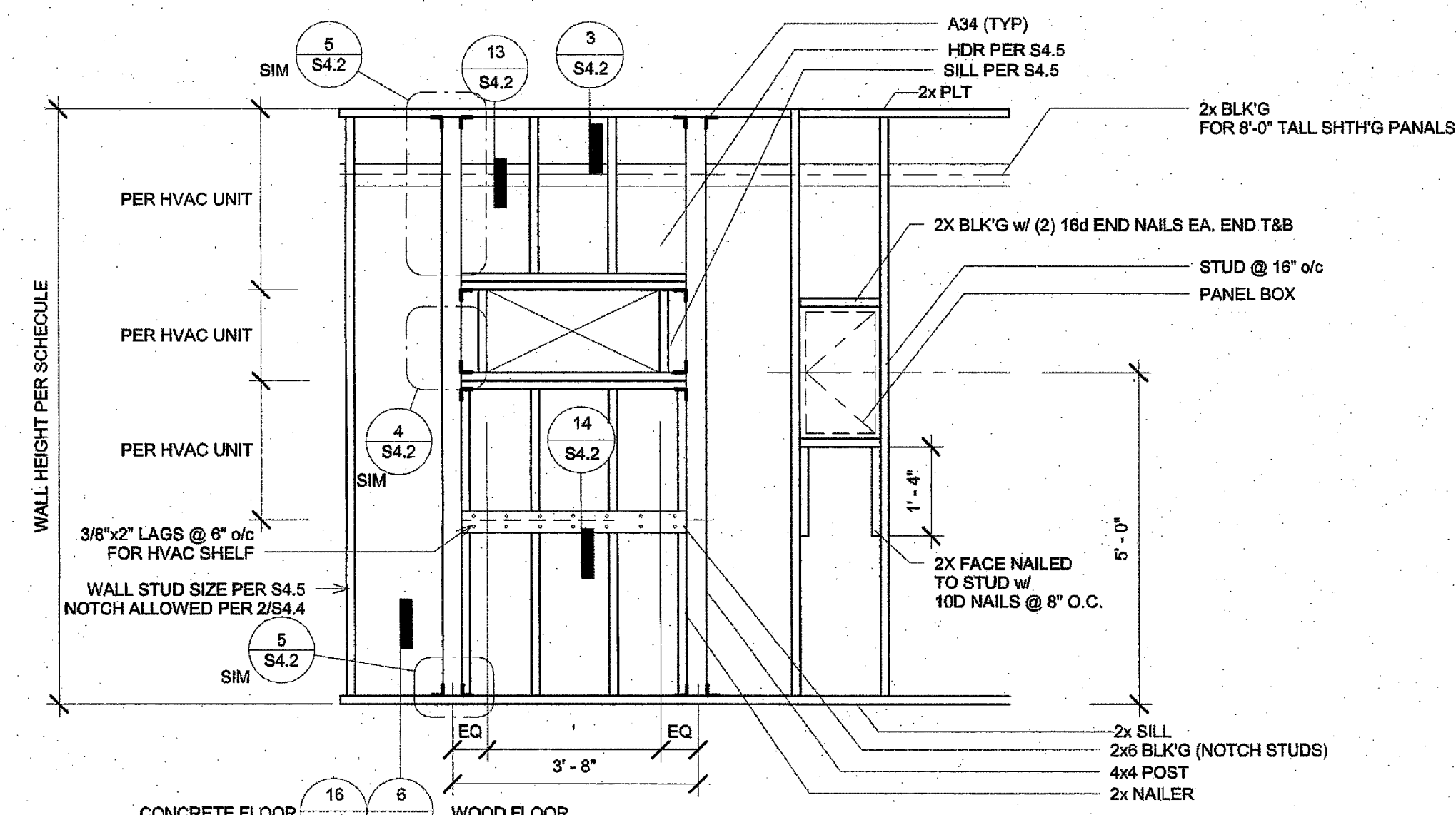
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Typ Window Framing (WD)



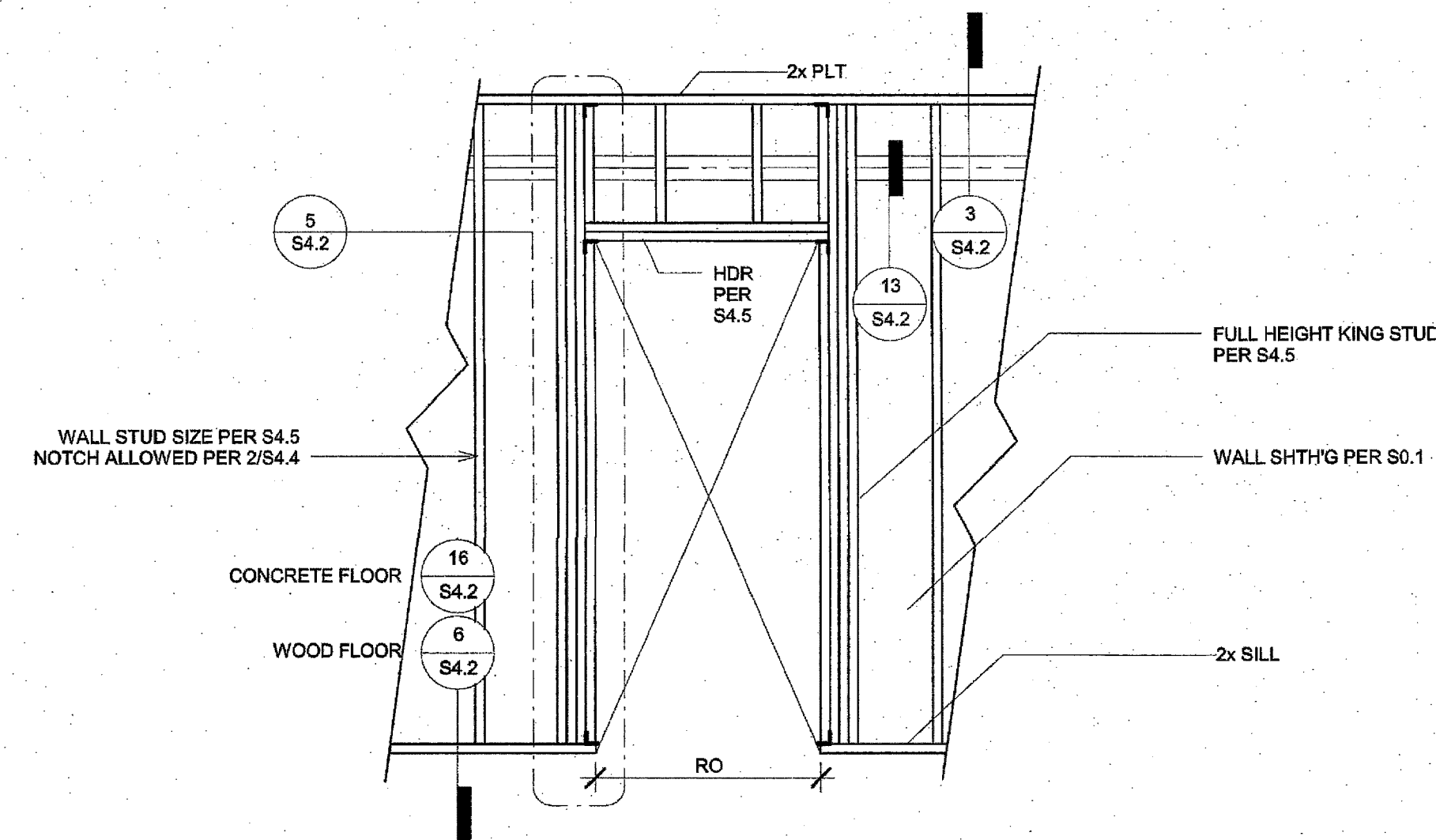
6 1/2" = 1'-0"
Typ Fire Extinguisher Framing (WD)



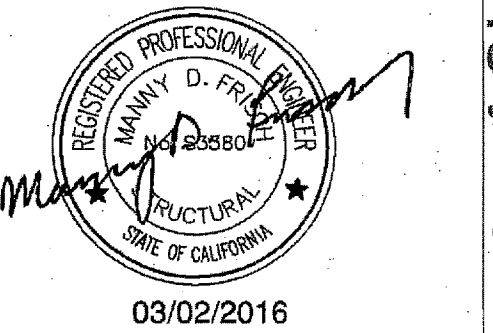
3 1/2" = 1'-0"
Typ Endwall Framing @ HVAC (WD)



5 1/2" = 1'-0"
Typ Door Framing (WD)



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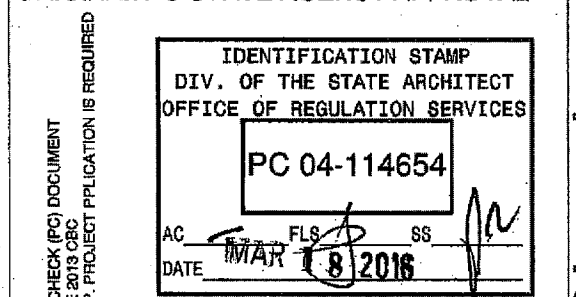


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CLIENT

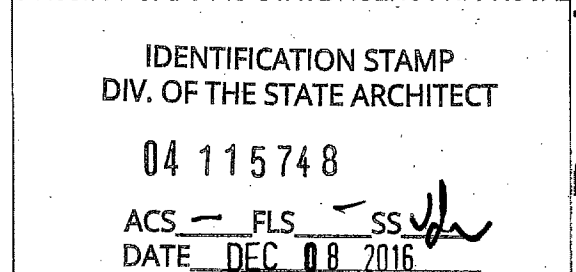
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
**24' x 40'
EXPANDABLE TO
48' x 40'**

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
**WD WALL
FRAMING
ELEVATIONS**

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

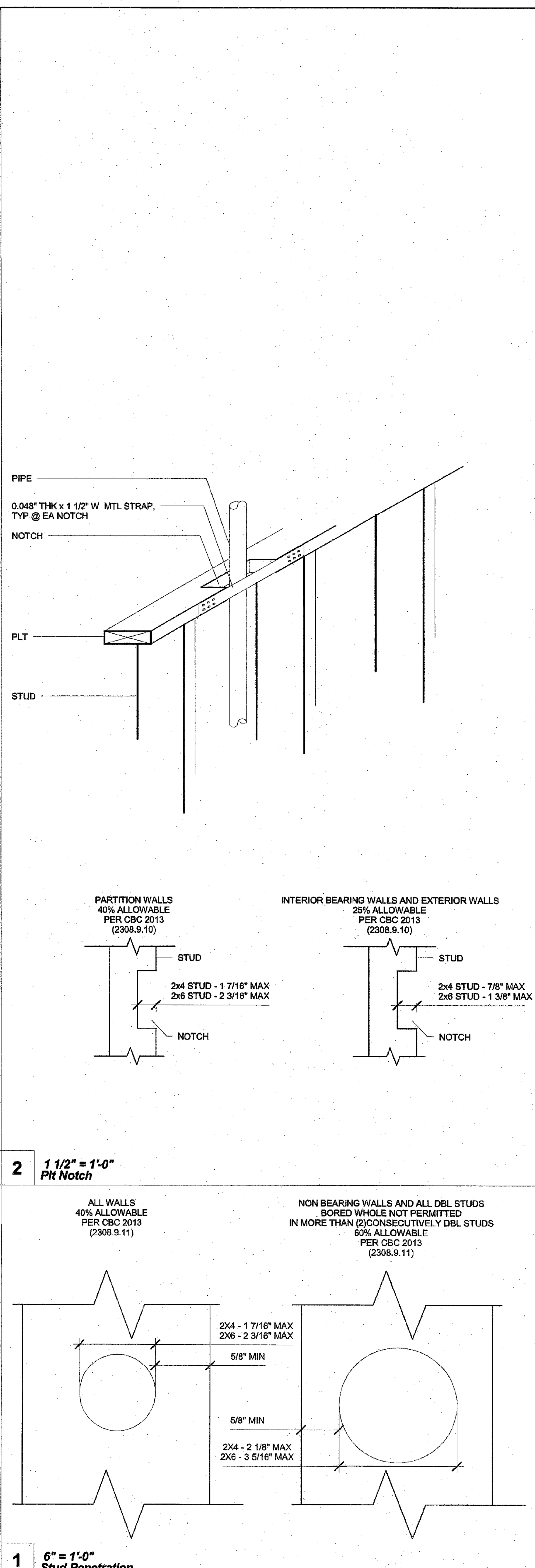
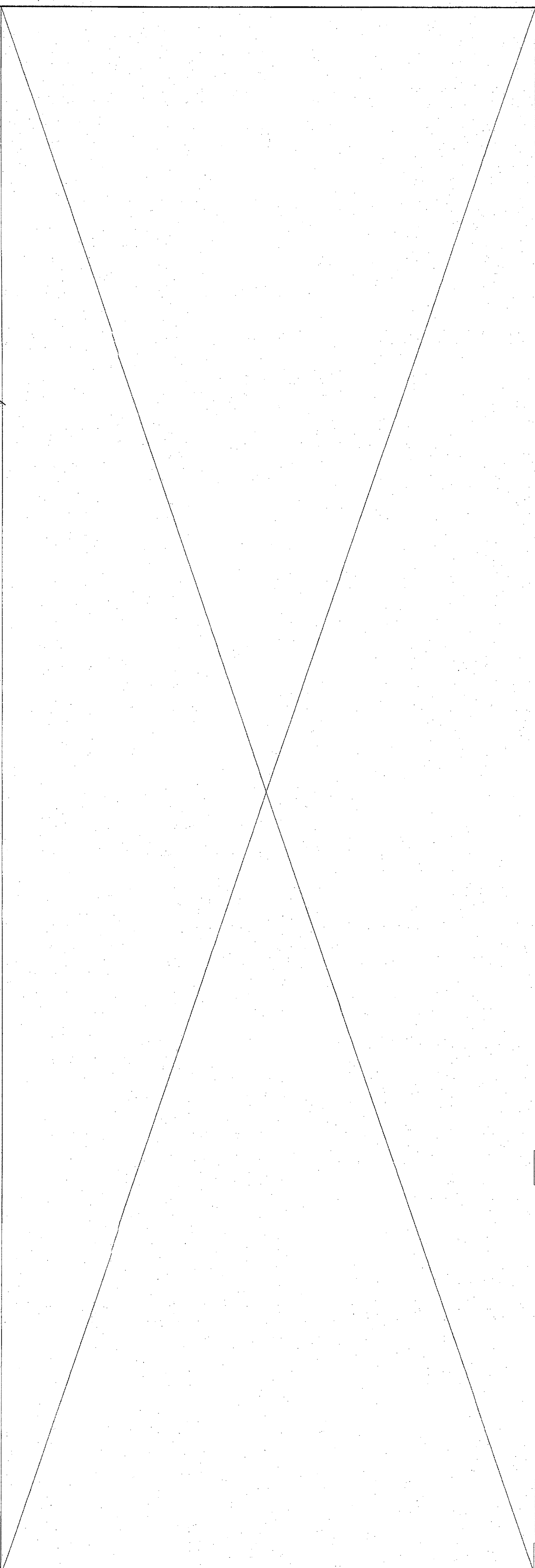
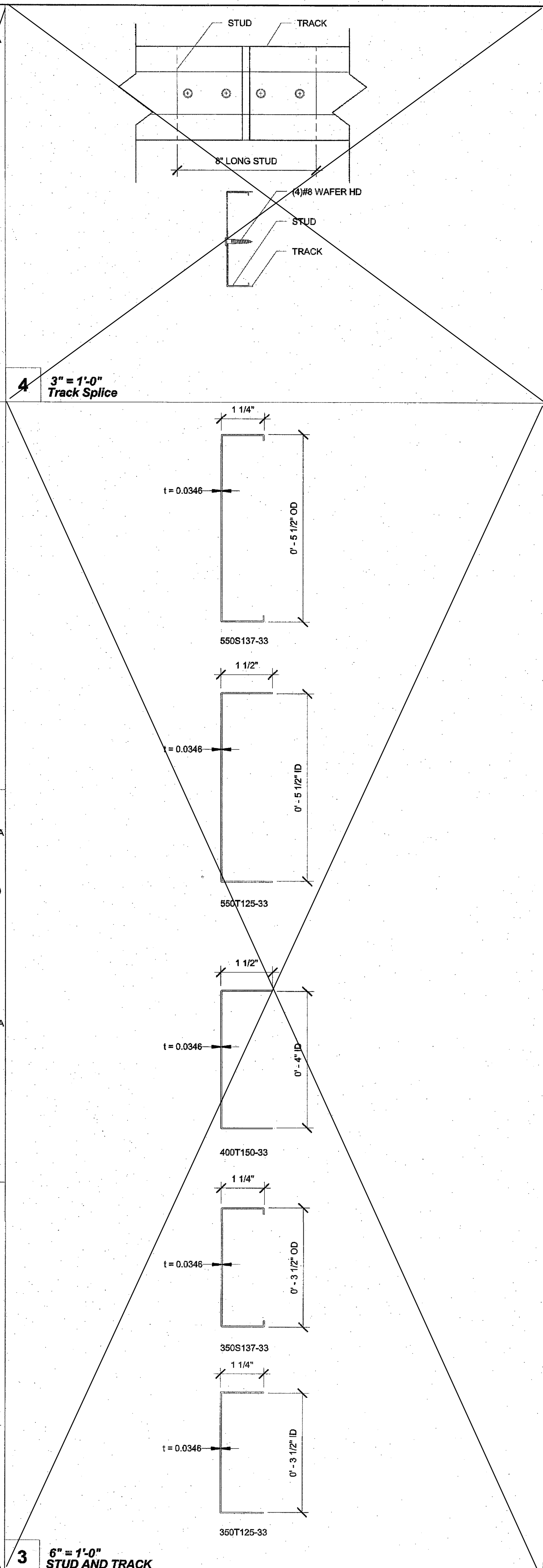
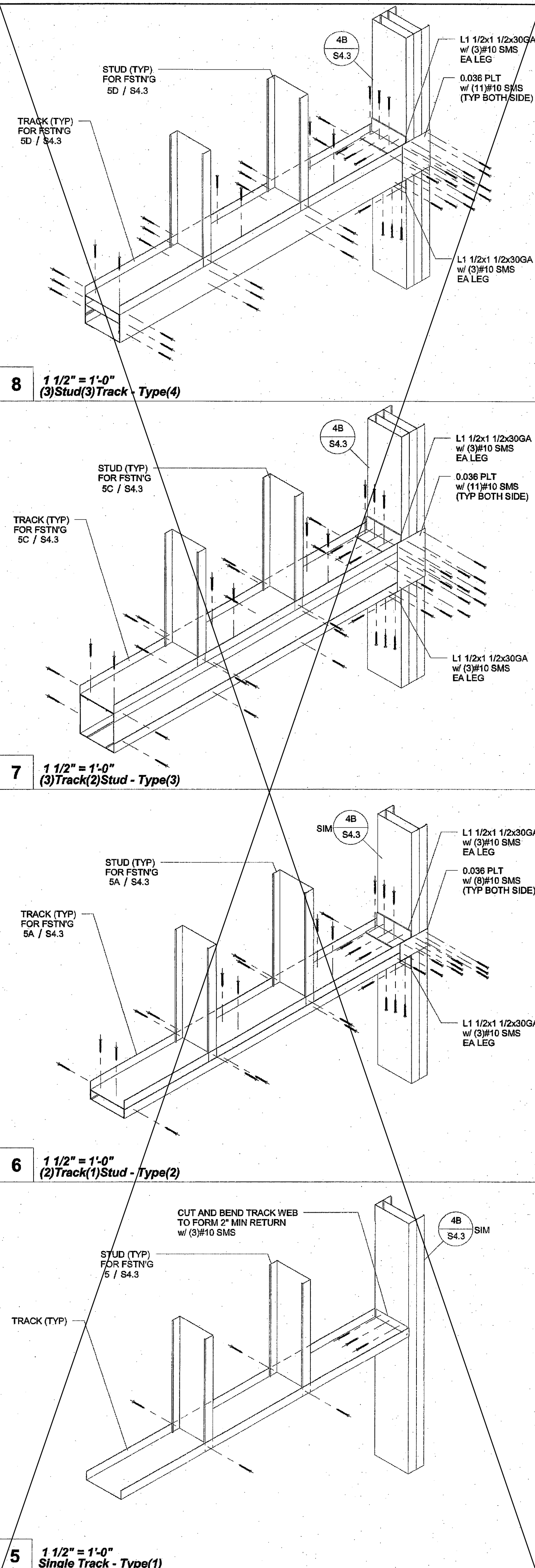
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
S4.1

SHEET OF SHEETS

3/3/2016 5:16:56 PM C:\Users\Sarah\Documents\15046 - Aries 24x40 PC - MainFile_Sarah.rvt



DESIGN • CONSULTING • PROJECT MGT

11777 BERNHARD PLAZA, SUITE 105
SAN DIEGO, CA 92128 619-444-2344
WWW.R&STAVARES.COM

PROFESSIONAL STAMP

03/02/2016

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CLIENT

CLASS LEASING LLC

1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PROJECT TITLE

24' x 40' EXPANDABLE TO 48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

PC 04-114654

DATE 1-8-2016

Revision Schedule

#	Description	Date
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SHEET TITLE

TYP FRAMING

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

SHEET NO.

S4.4

SHEET OF SHEETS

ADDENDUM

Proprietary Property of Class Leasing

2x4 Interior Wall Opening Schedule										
COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	DF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
10FT	8040	HF	3	#2	HF	3	#2	HF	2	#2
		DF	3	#2	DF	3	#2	DF	2	#2
	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
10FT	6040	HF	2	#2	HF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
	8040	HF	3	#2	HF	3	#2	HF	2	#2
		DF	3	#2	DF	3	#2	DF	2	#2
	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2

2x4 Interior Wall Framing Schedule									
COL HEIGHT	Typical Location				4ft From Building Corner				
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing	
9	HF	1	#2	16" O.C.	-	-	-	-	
	DF	1	#2	16" O.C.	-	-	-	-	
10	HF	1	#2	16" O.C.	-	-	-	-	
	DF	1	#2	16" O.C.	-	-	-	-	

2x6 Exterior Wall Opening Schedule (SHTH'G FINISH)										
COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
10FT	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
10FT	6040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	3070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2

2x6 Exterior Wall Framing Schedule (SHTH'G FINISH)									
COL HEIGHT	Typical Location				4ft From Building Corner				
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing	
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.	
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.	
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.	
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.	

2x6 Exterior Wall Opening Schedule (PLASTER FINISH)										
COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
10FT	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	3070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	4070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
10FT	6040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	3070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2

2x6 Exterior Wall Framing Schedule (PLASTER FINISH)									
COL HEIGHT	Typical Location				4ft From Building Corner				
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing	
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.	
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.	
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.	
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.	

350 Interior Wall Opening Schedule --Studs = 350S137-33 --Track = 350T125-33									
Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD			
		Type	REF. SA.1	Type	REF. SA.1	Type	Num.	Size	
9'-0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33	
	4070	1	5	N/A	N/A	Stud	(2)	350S137-33	
	6040	2	6	2	6	Stud	(3)	350S137-33	
	8040	3	6	3	6	Stud	(3)	350S137-33	
10'-0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33	
	4070	2	5	N/A	N/A	Stud	(2)	350S137-33	
	6040	2	6	2	6	Stud	(3)	350S137-33	
	8040	4	6	4	6	Stud	(4)	350S137-33	

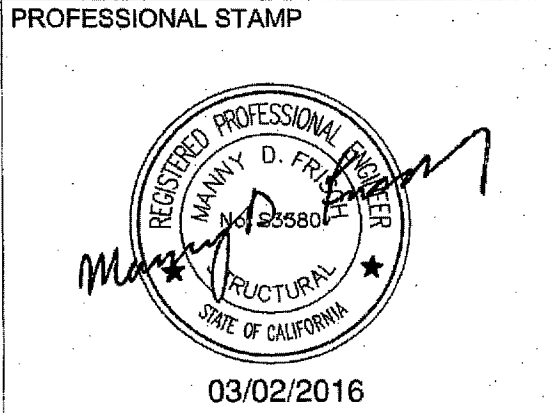
350 Interior Wall Framing Schedule								
Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'-0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-
10'-0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-

550 Exterior Wall Opening Schedule (SHTH'G FINISH) --Studs = 550S137-33 --Track = 550T125-33									
Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD			
		Type	REF. SA.1	Type	REF. SA.1	Type	Num.	Size	
9'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33	
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33	
	6040	2	6	2	6	Stud	(3)	550S137-33	
	8040	3	6	3	6	Stud	(3)	550S137-33	
10'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33	
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33	
	6040	2	6	2	6	Stud	(3)	550S137-33	
	8040	4	6	4	6	Stud	(4)	550S137-33	

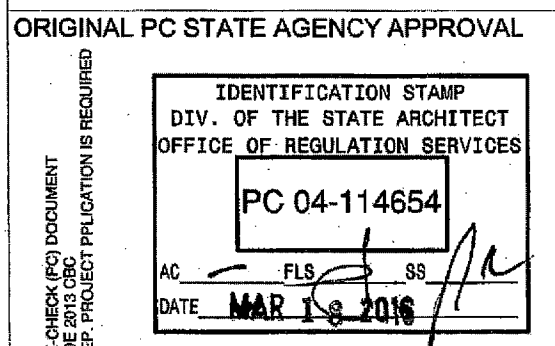
550 Exterior Wall Framing Schedule (SHTH'G FINISH)								
Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

550 Exterior Wall Opening Schedule (PLASTER FINISH) --Stud = 550S137-33 --Track = 550T125-33									
Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD			
		Type	REF. SA.1	Type	REF. SA.1	Type	Num.	Size	
9'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33	
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33	
	6040	2	6	2	6	Stud	(3)	550S137-33	
	8040	3	6	3	6	Stud	(3)	550S137-33	
10'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33	
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33	
	6040	2	6	2	6	Stud	(3)	550S137-33	
	8040	4	6	4	6	Stud	(4)	550S137-33	

550 Exterior Wall Framing Schedule (PLASTER FINISH)								
Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c



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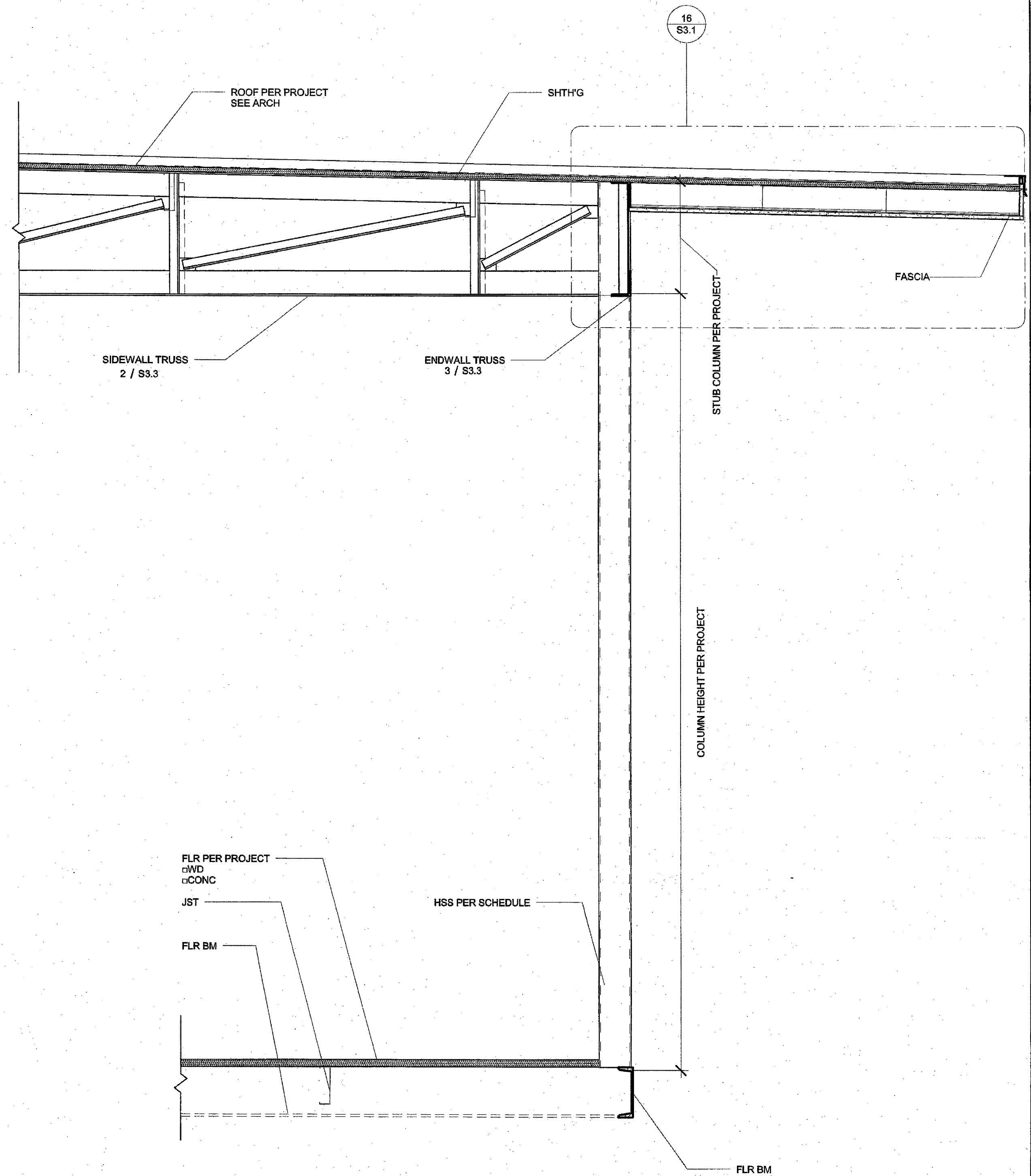
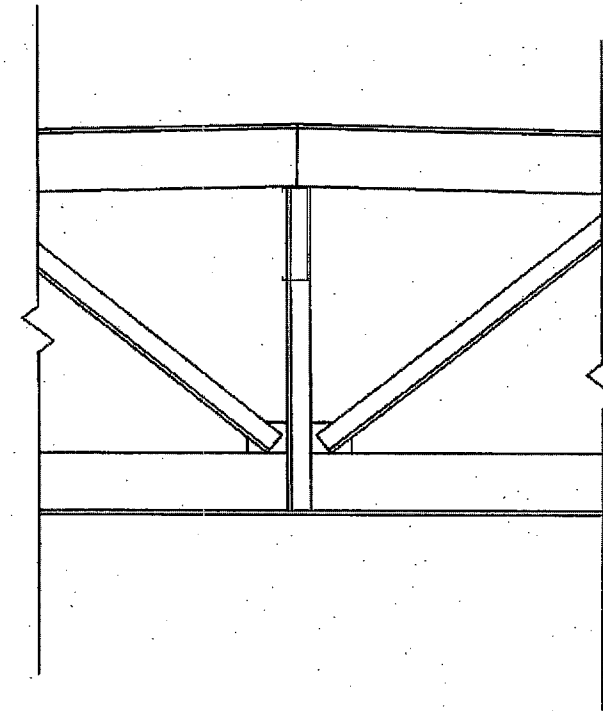
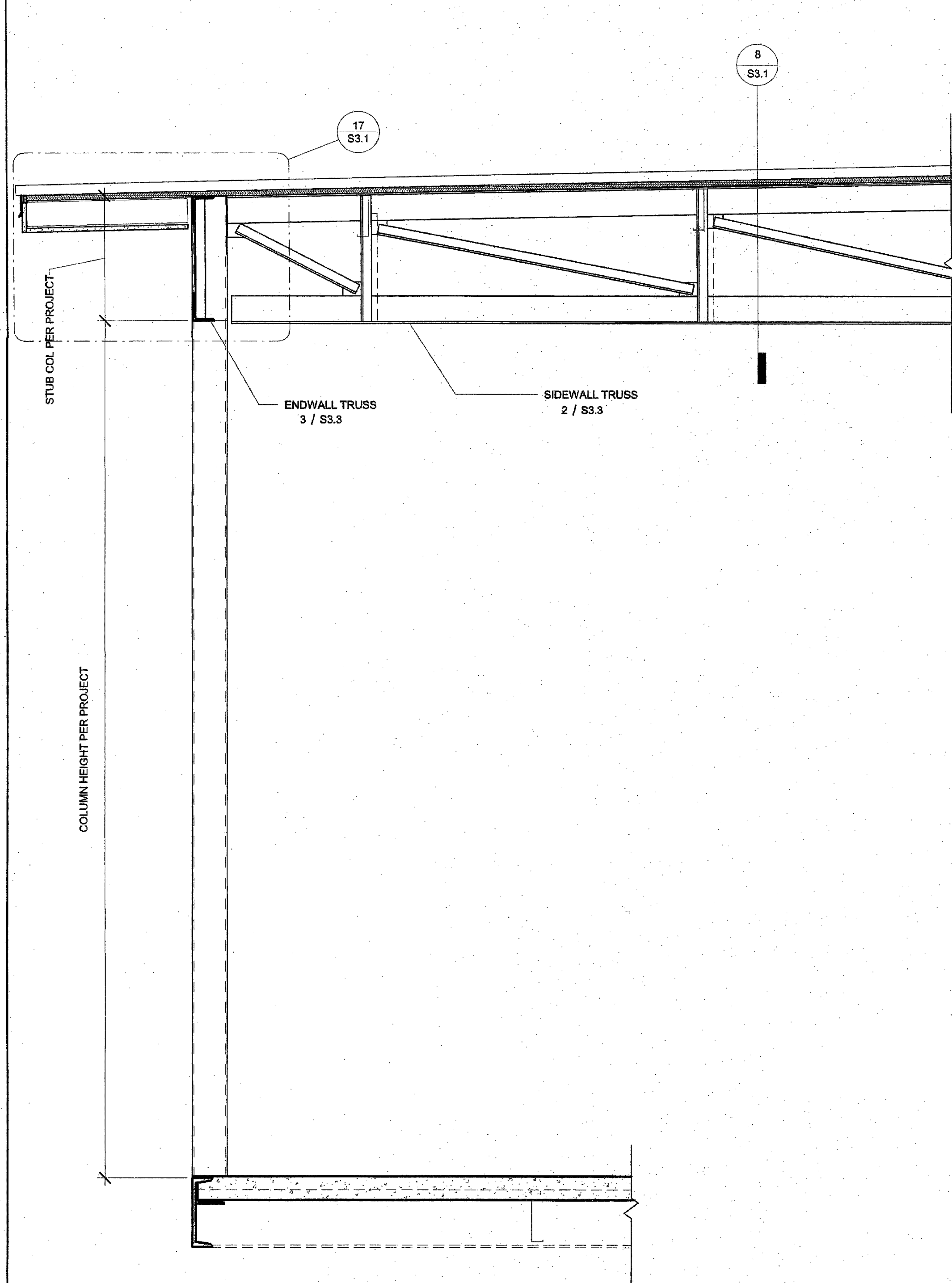




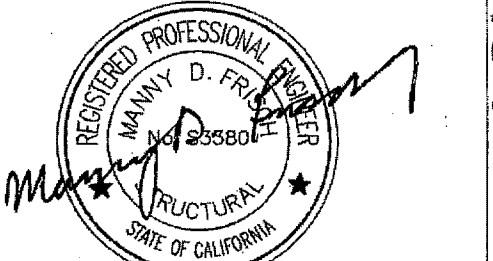
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1" = 1'-0"
Structural Section (DUAL)



PROFESSIONAL STAMP



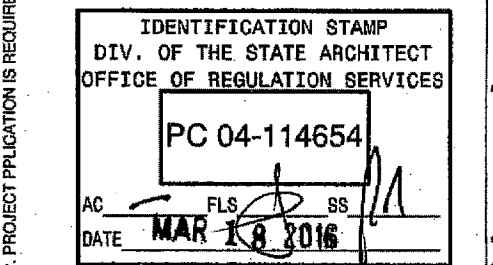
03/02/2016

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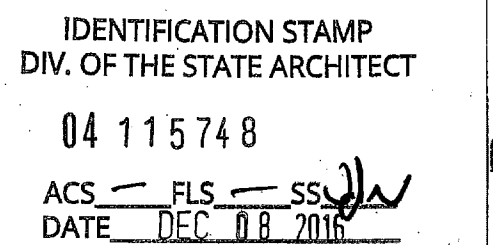
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date
---	-------------	------

SHEET TITLE

LONG SECTION -
(DUAL)

PROJECT NUMBER

15046

DRAWN BY

rMc/SM

CHECKED BY

JA/RT

DATE

2016/03/02

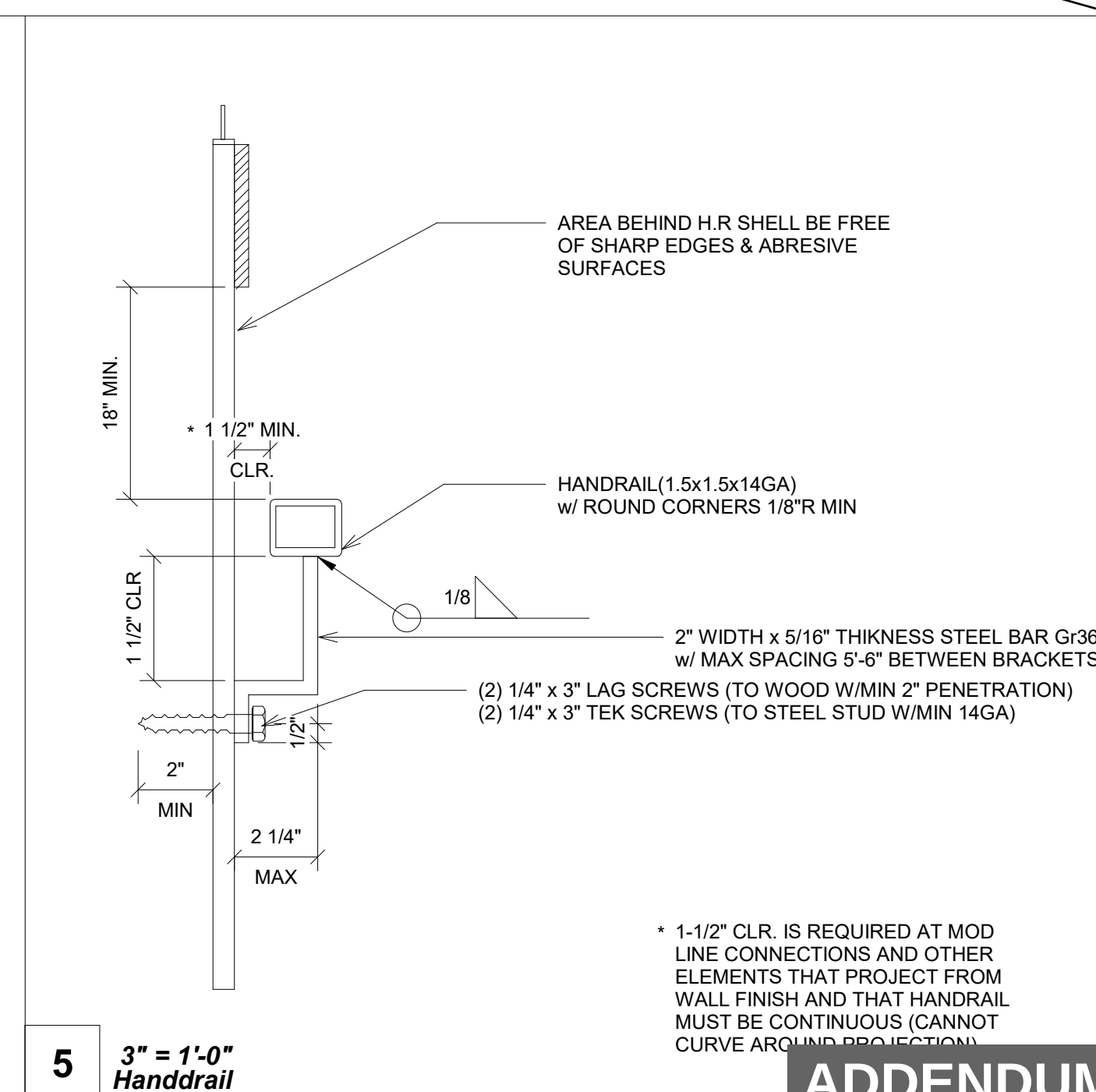
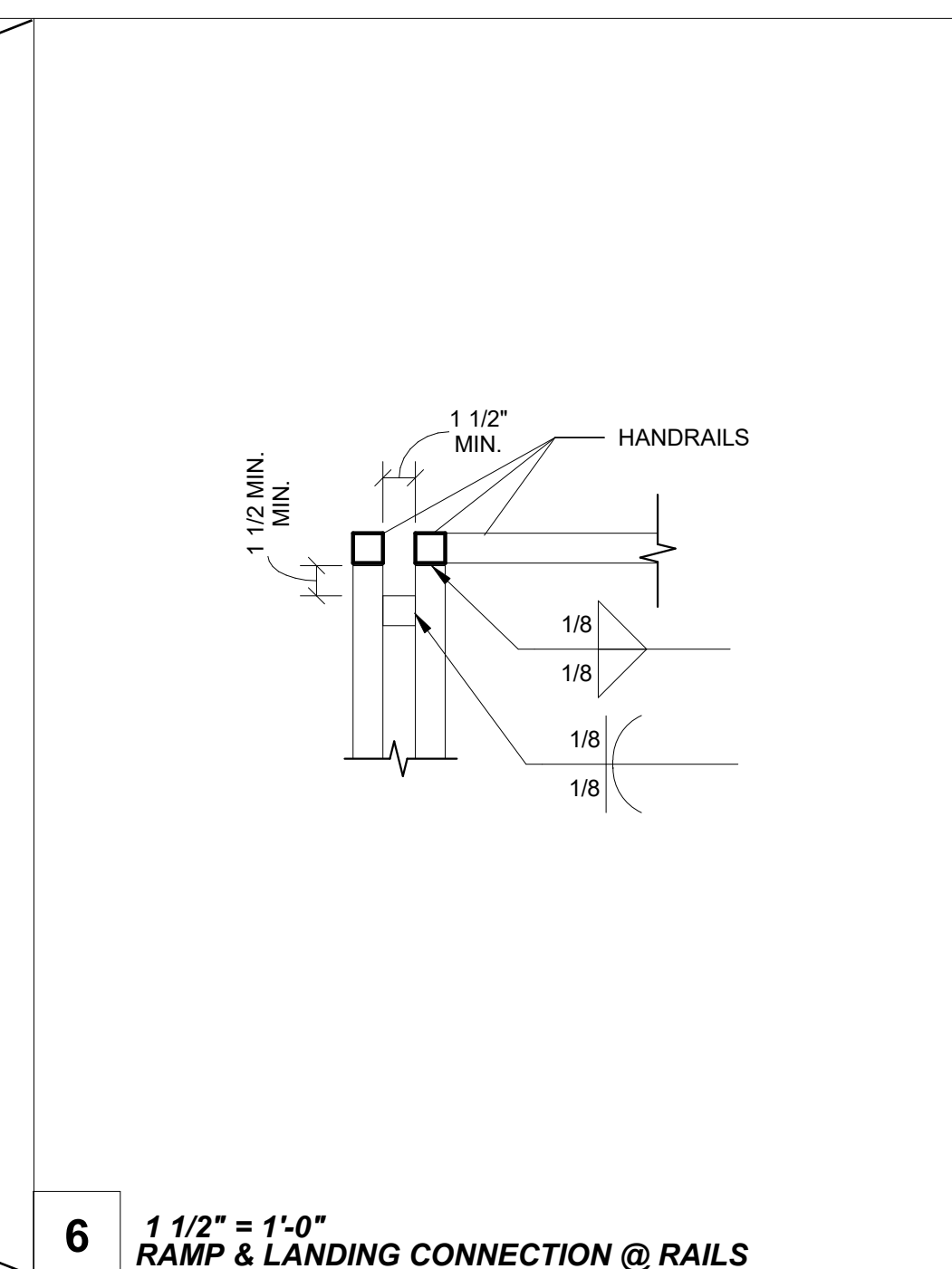
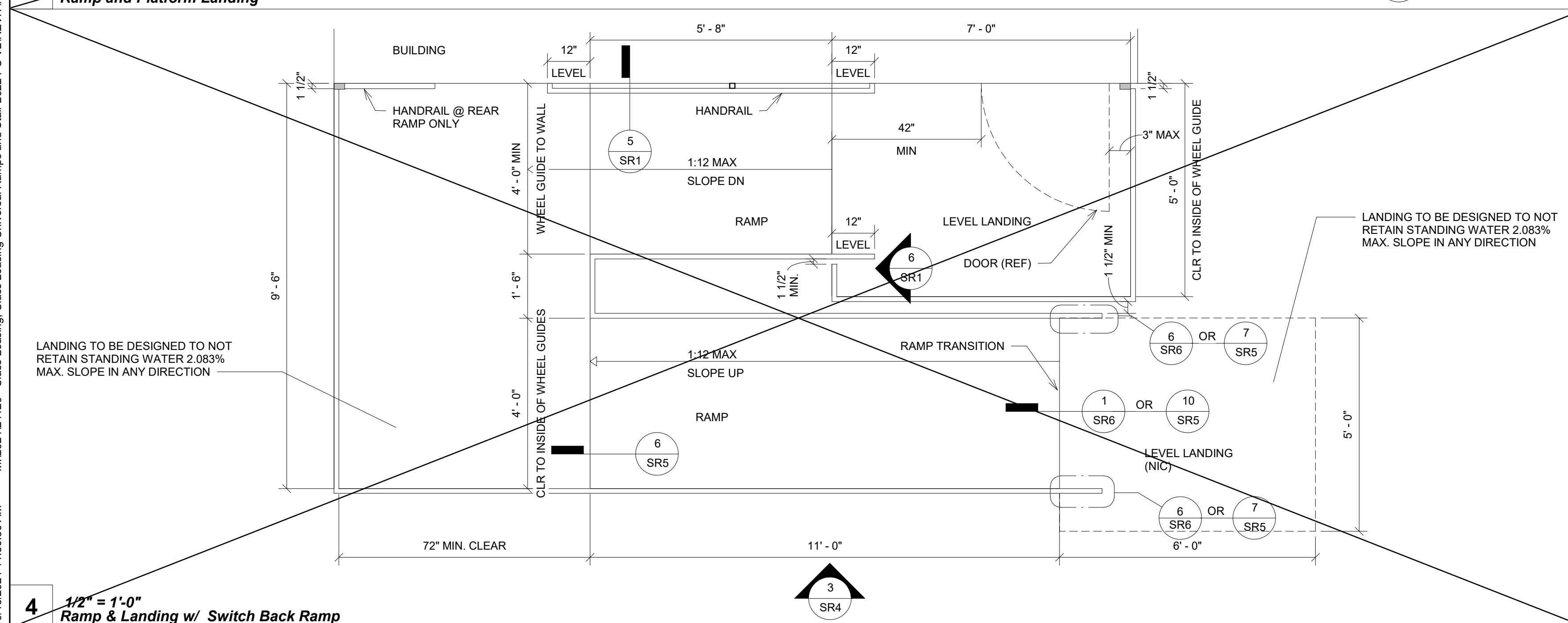
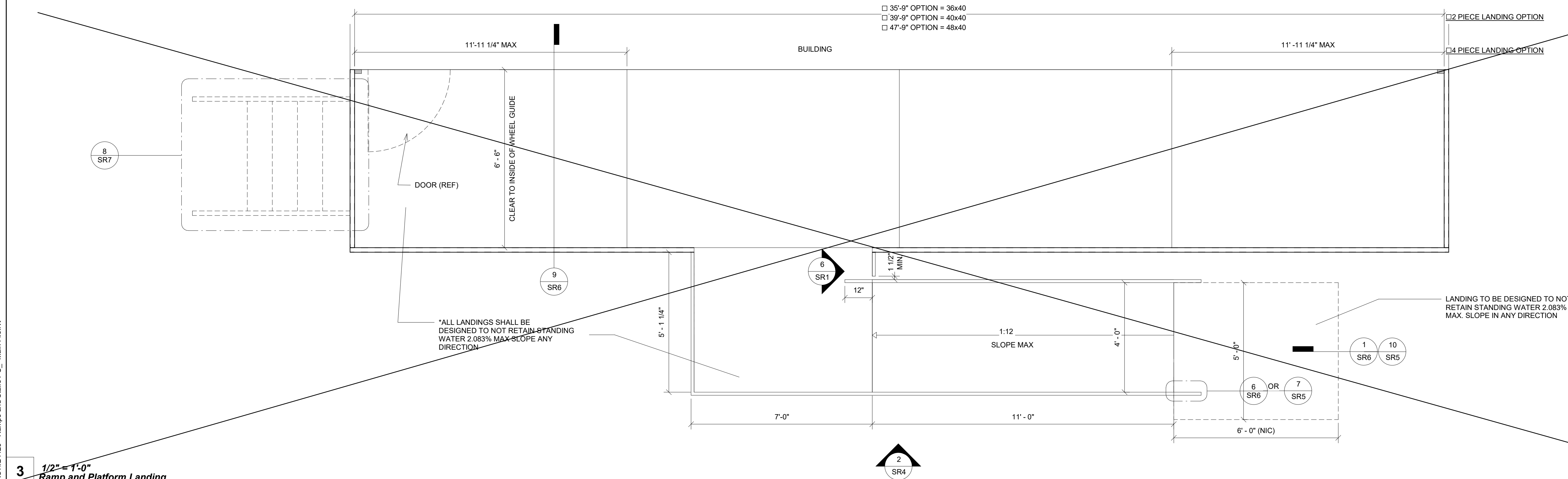
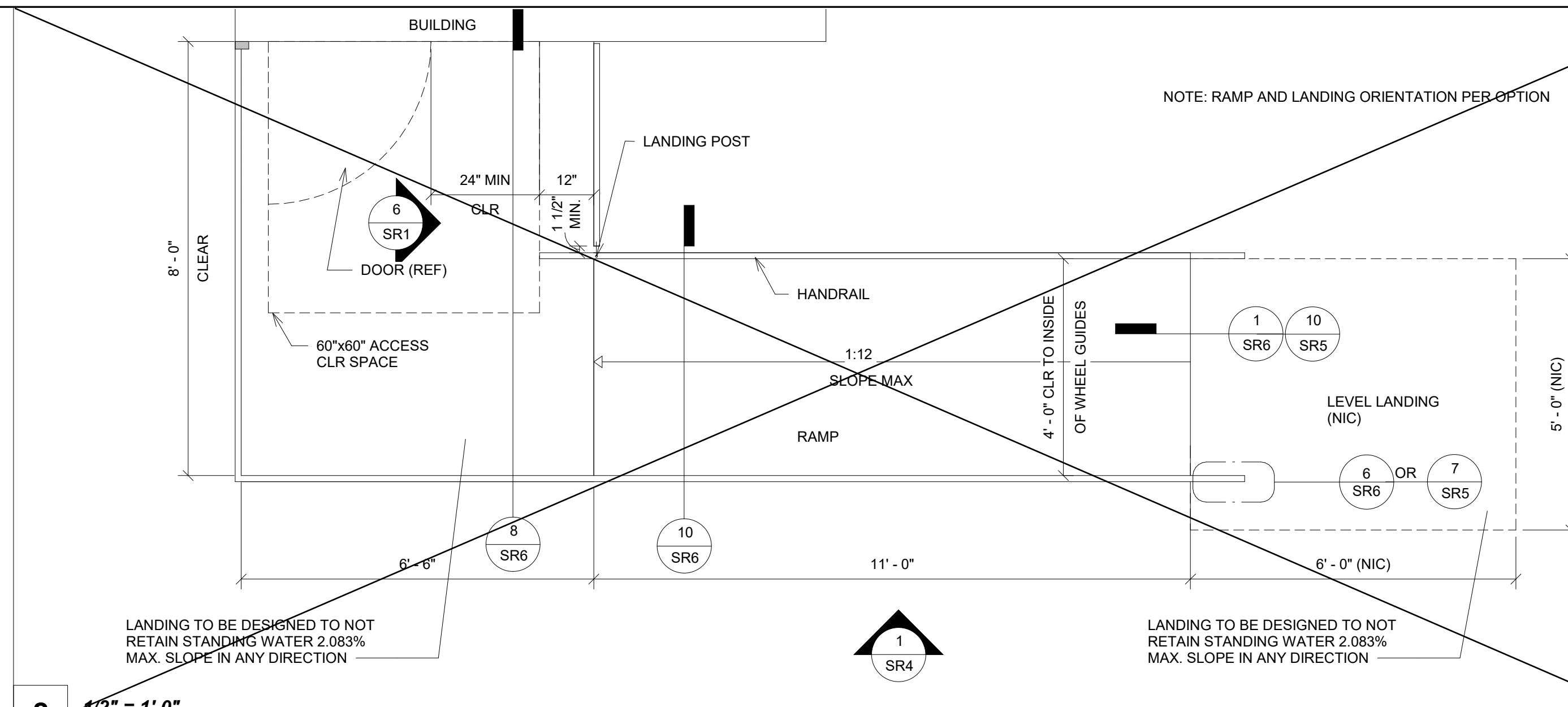
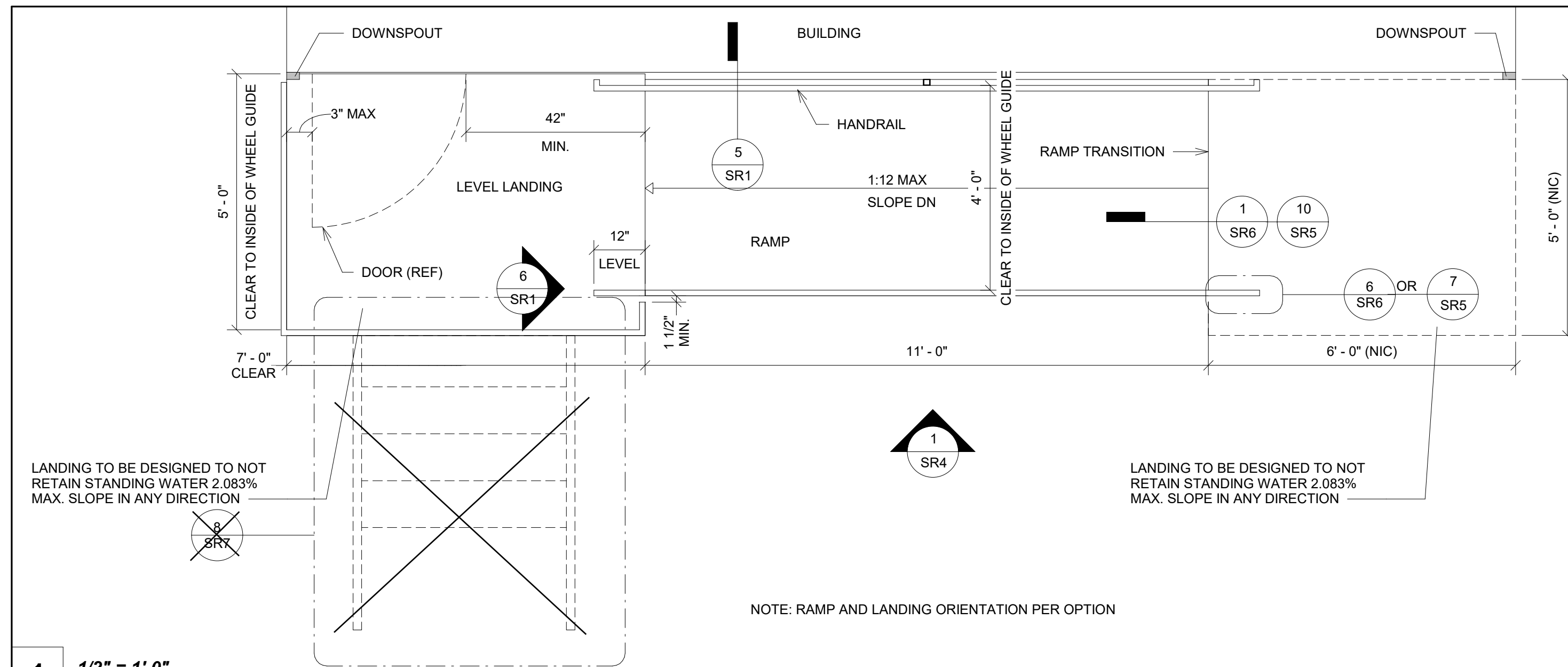
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S5.1

SHEET 1 OF 1 SHEETS

ADDENDUM

Proprietary Property of Class Leasing



PROJECT SPECIFIC STATE AGENCY APPROVAL



PROFESSIONAL STAMP



9.13.2024

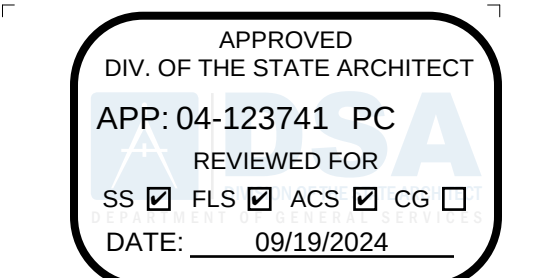
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CLIENT



1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL _____



Revision Schedule		
#	Description	Date

CT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp and Landing
Plan

PROJECT NUMBER	20093
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DRAWN BY SM

CHECKED BY rMc

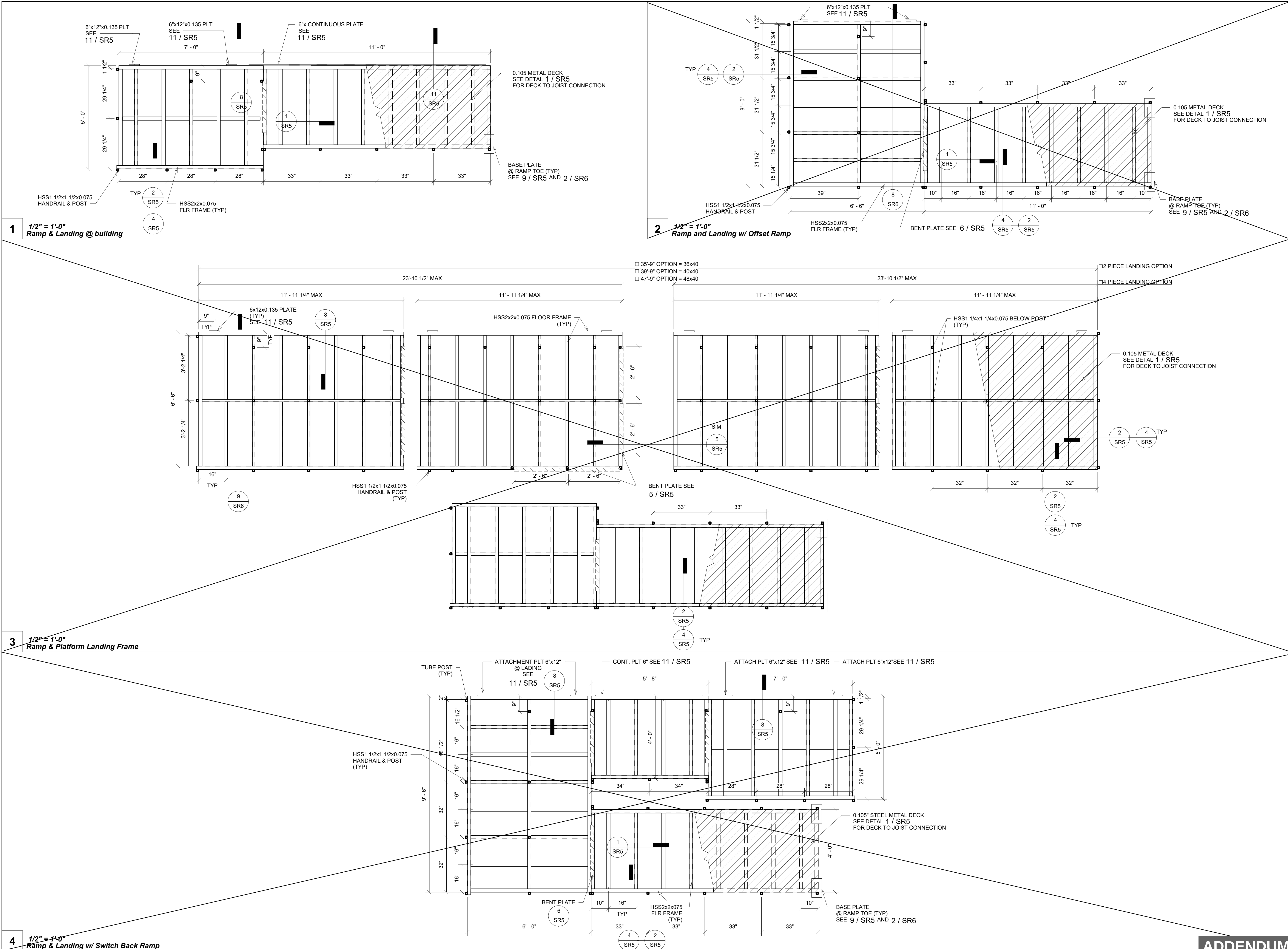
DATE 6/15/2021

SHEET NO.

SR1

ADDENDUM

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PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MGT
11590 W BERNHARD COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
D. J. TAVARES
No. S3380
Exp. 03/31/26
STRUCTURAL
STATE OF CALIFORNIA

9.13.2024

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Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date
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PROJECT TITLE

RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE

Ramp and Landing Framing

PROJECT NUMBER

20093

DRAWN BY

SM

CHECKED BY

BR/rMc

DATE

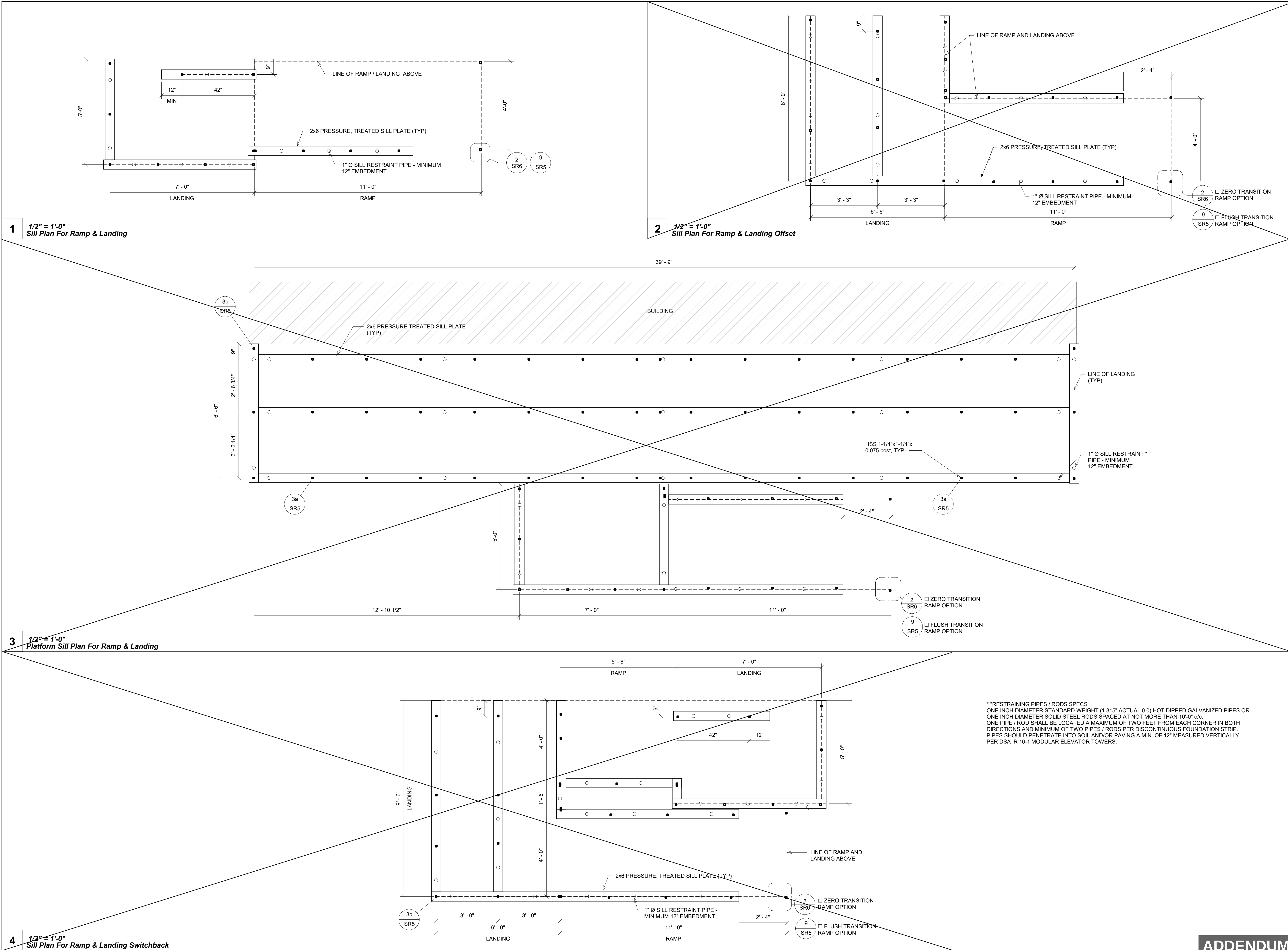
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SHEET NO.

SR2

ADDENDUM

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PROJECT SPECIFIC STATE AGENCY APPROVAL

DESIGN & CONSULTING • PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

9.13.2024

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SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

Revision Schedule

#	Description	Date
---	-------------	------

PROJECT TITLE

RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE

Foundation Plan

PROJECT NUMBER

20093

DRAWN BY

SM

CHECKED BY

rMc

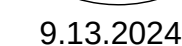
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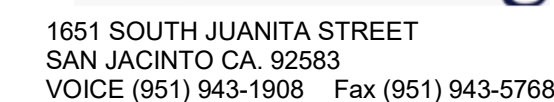
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SR3

ADDENDUM



CLIENT



ORIGINAL PC STATE AGENCY APPROVAL _____



PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

PROJECT NUMBER

20093

DRAWN BY SM

CHECKED BY rMc

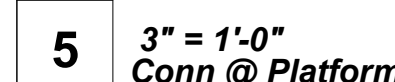
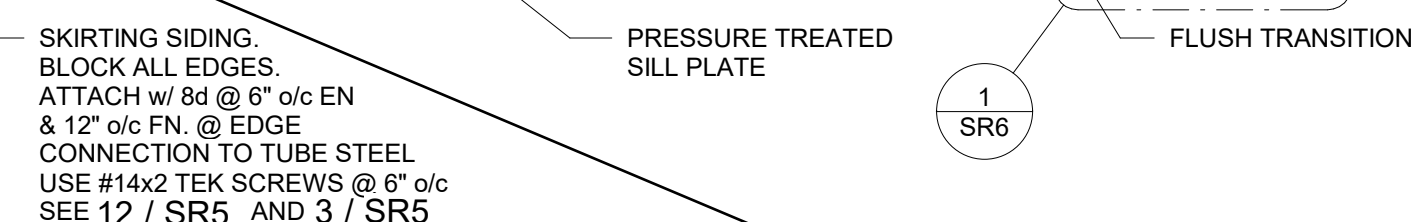
DATE 6/15/2021

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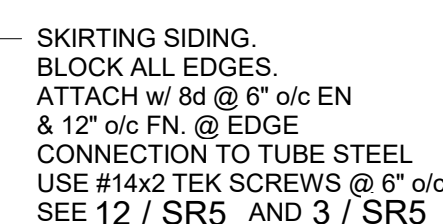
SR4



1 $\frac{3}{4}" = 1'-0"$
Ramp & Landing Elevation

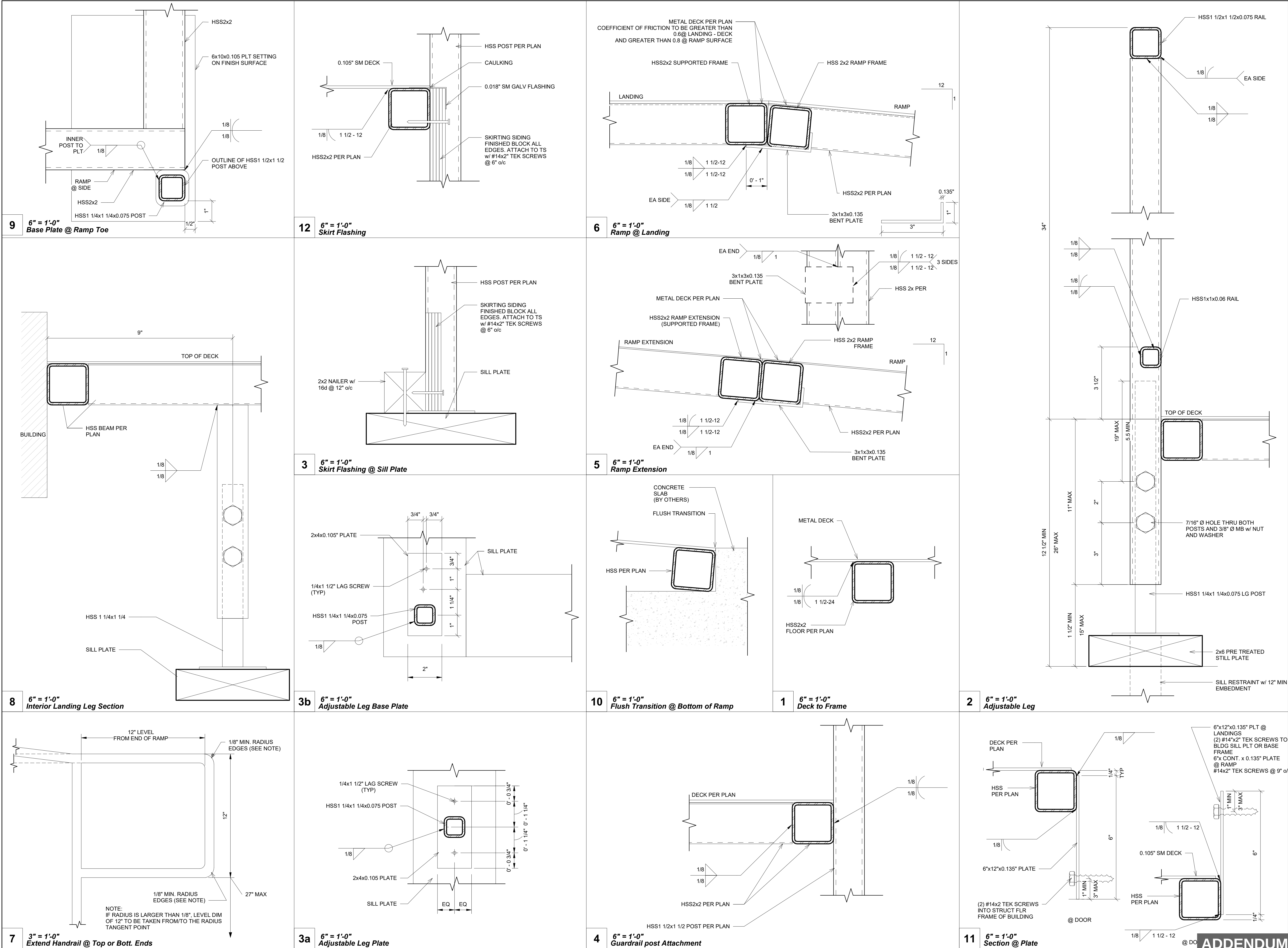


2 $\frac{3}{4}" = 1'-0"$
Ramp & Landing Elevation Option X Copy 1



3 $\frac{3}{4}" = 1'-0"$
Ramp & Landing Elevation Option X

9/13/2024 11:56:56 AM M:\2024\24129 - Class Leasing, Universal Ramps and Stair 2022 PC V2\REV\TRST#24129 - Ramps and Stairs PC - Main File.rvt



PROJECT SPECIFIC STATE AGENCY APPROVAL

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REGISTERED PROFESSIONAL ARCHITECT
No. S3380
Exp. 03/31/26
STRUCTURAL
STATE OF CALIFORNIA
9.13.2024

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VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date
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PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp Details

PROJECT NUMBER
20093

DRAWN BY
SM

CHECKED BY
rMc

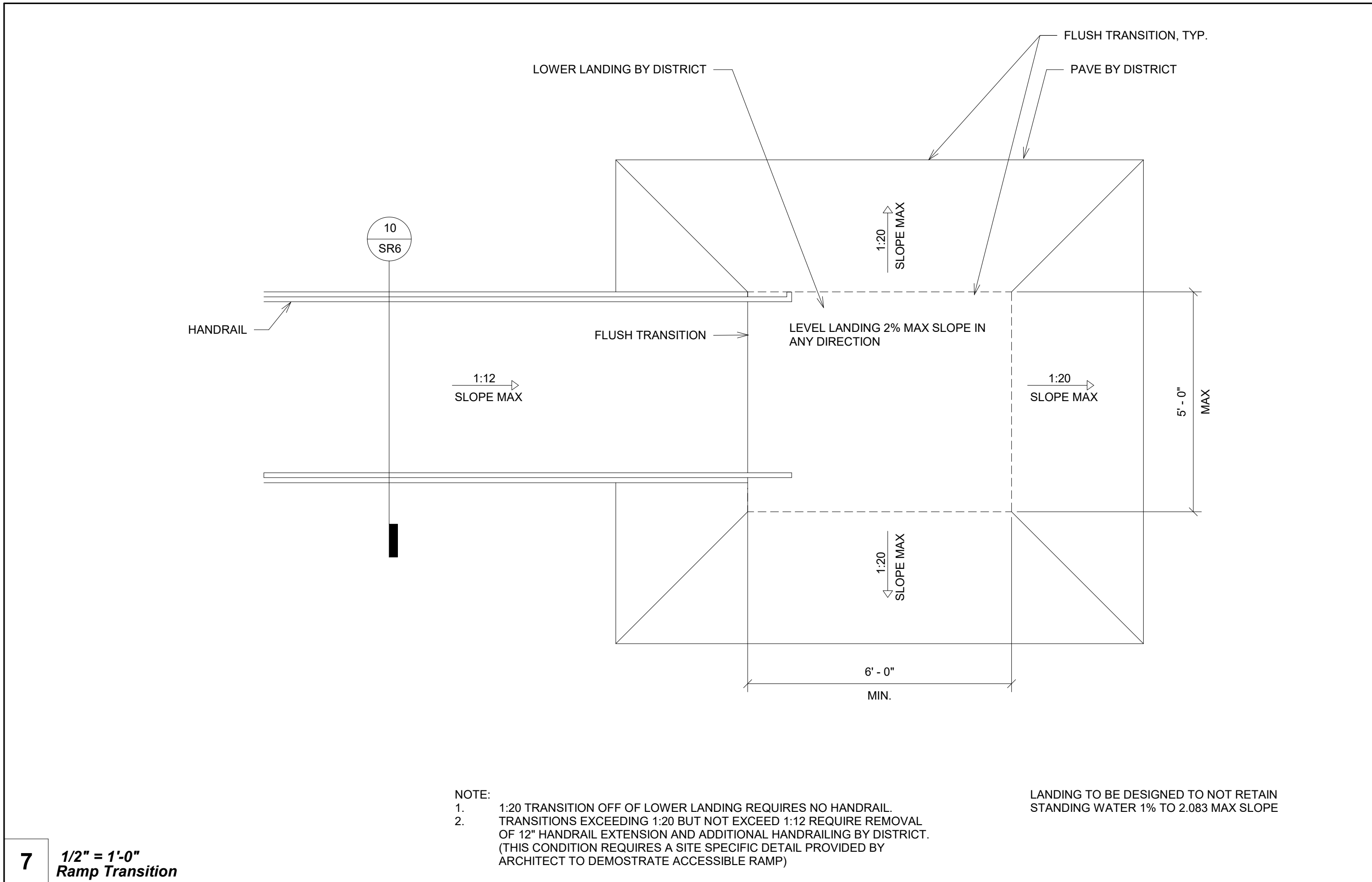
DATE
6/15/2021

SHEET NO.
SR5

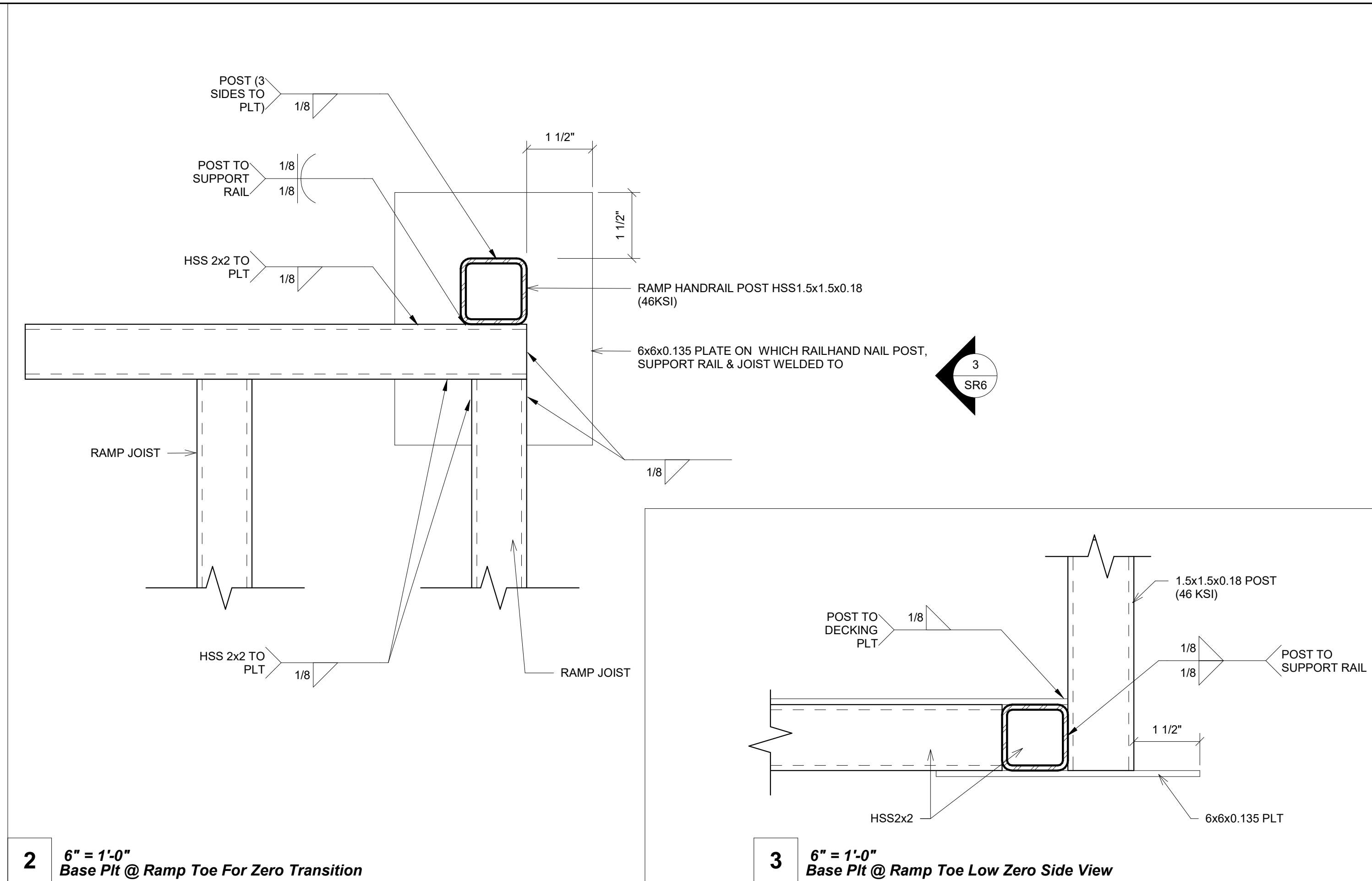
ADDENDUM

M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REV\TRSR#24129 - Ramps and Stairs PC - Main File.rvt

9/3/2024 11:56:57 AM

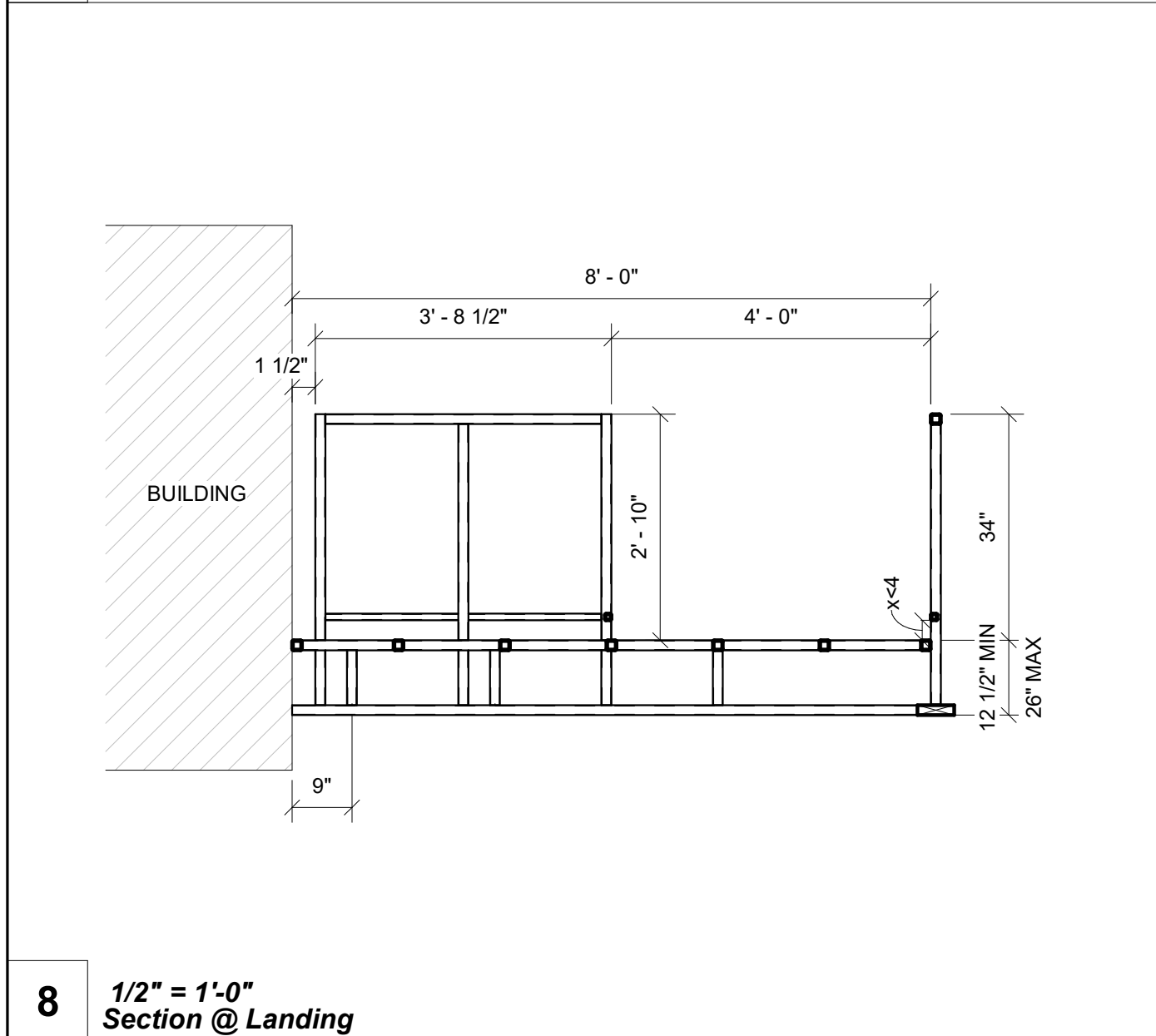


7 1/2" = 1'-0" Ramp Transition

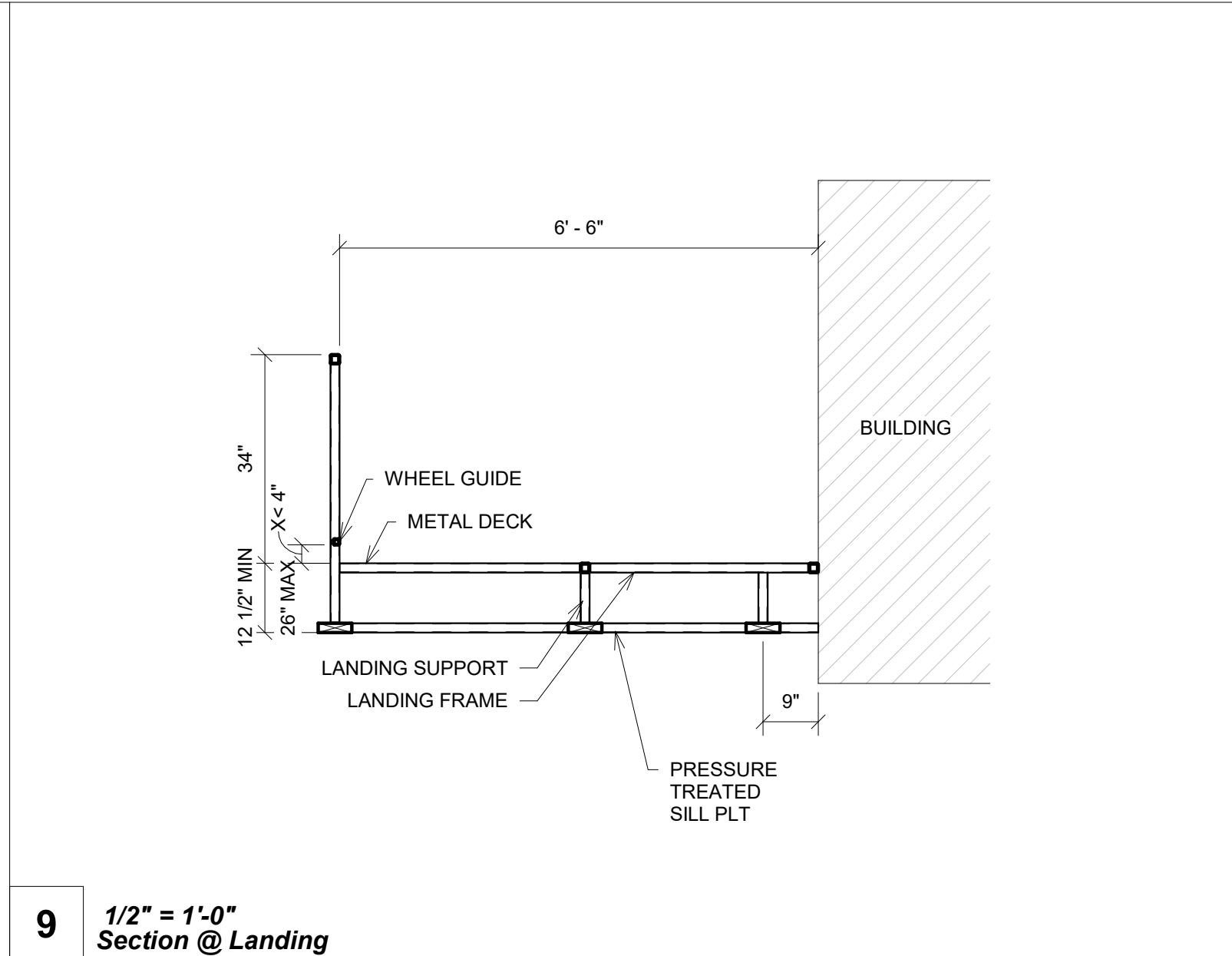


2 6" = 1'-0" Base Plt @ Ramp Toe For Zero Transition

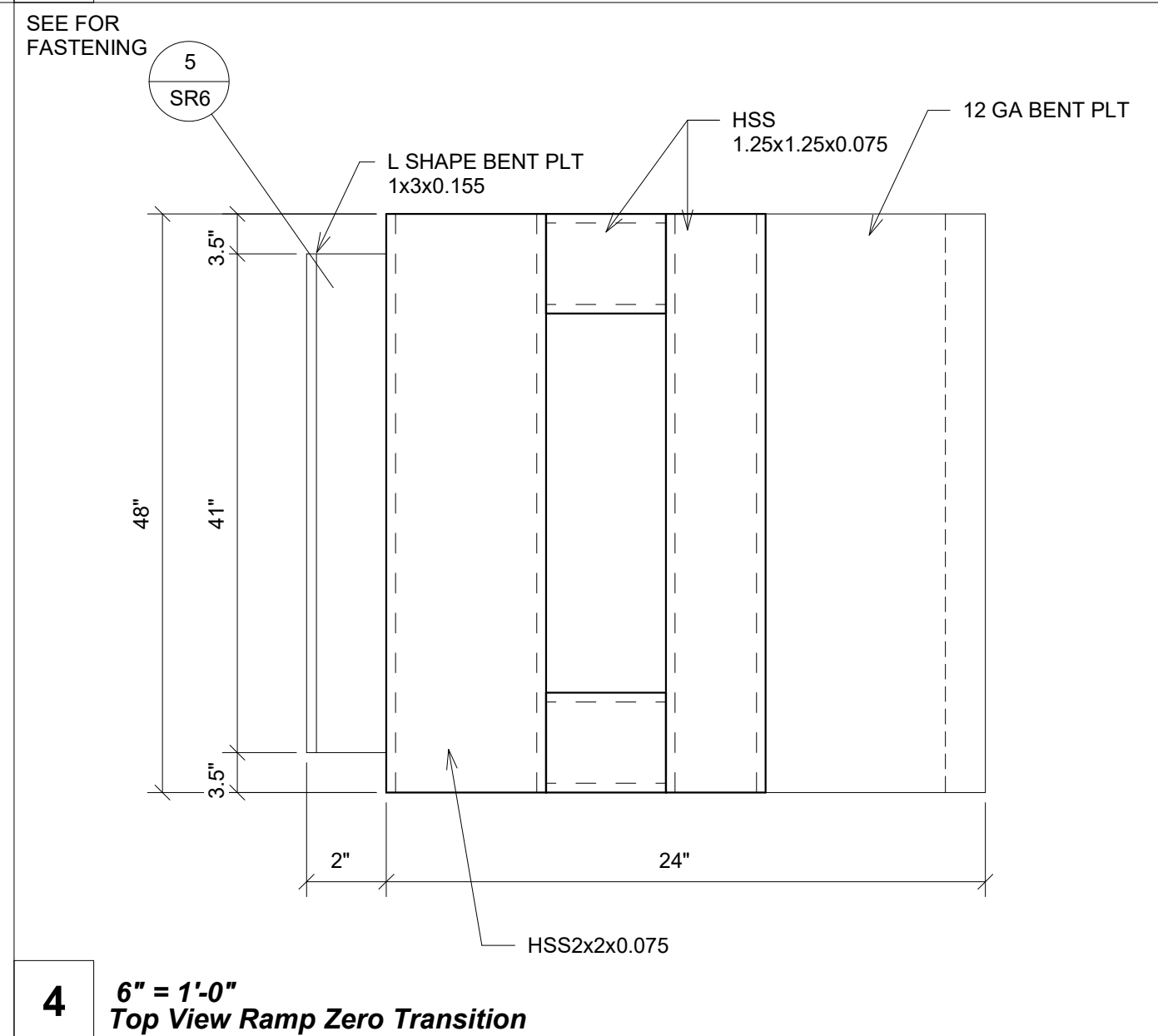
3 6" = 1'-0" Base Plt @ Ramp Toe Low Zero Side View



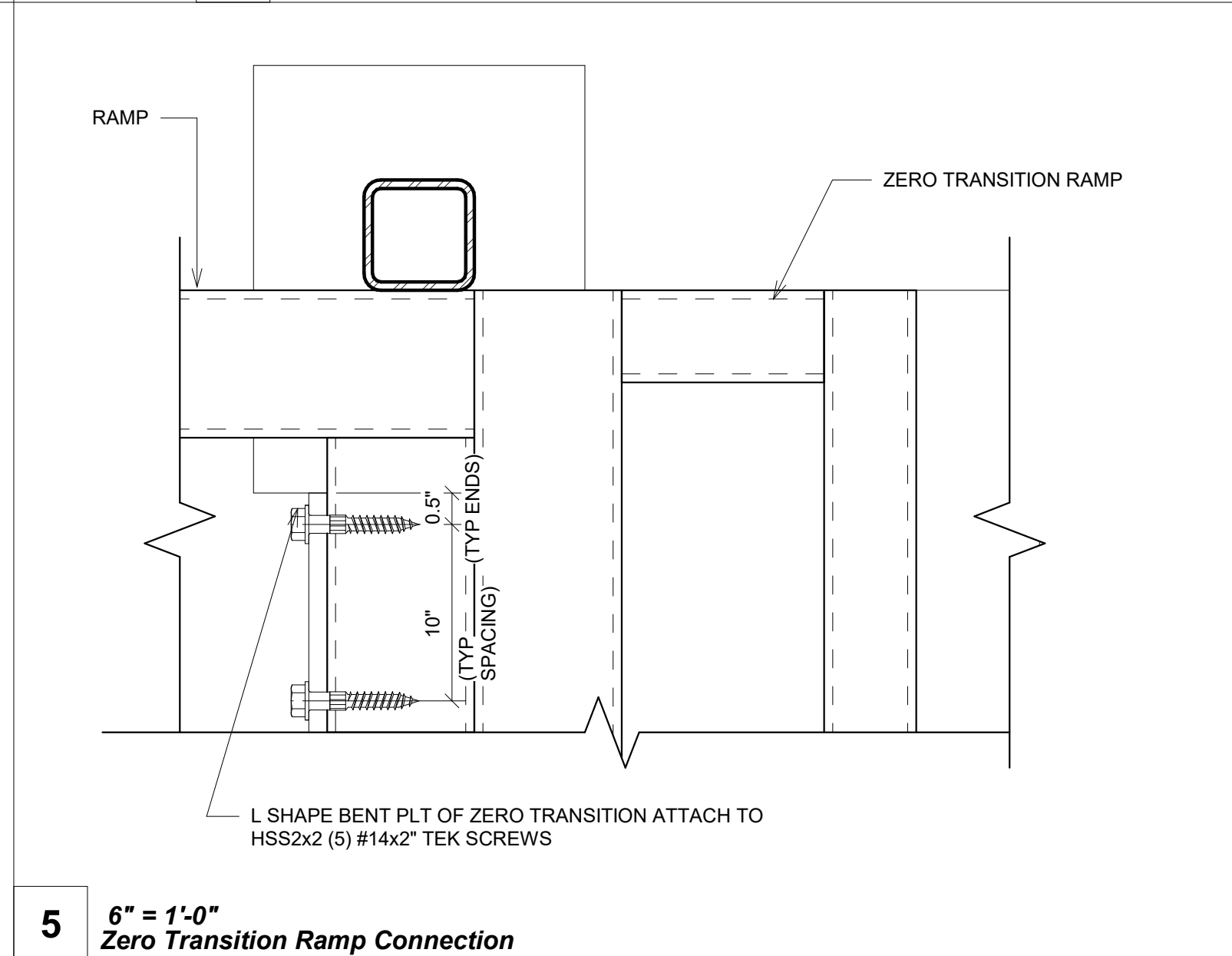
8 1/2" = 1'-0" Section @ Landing



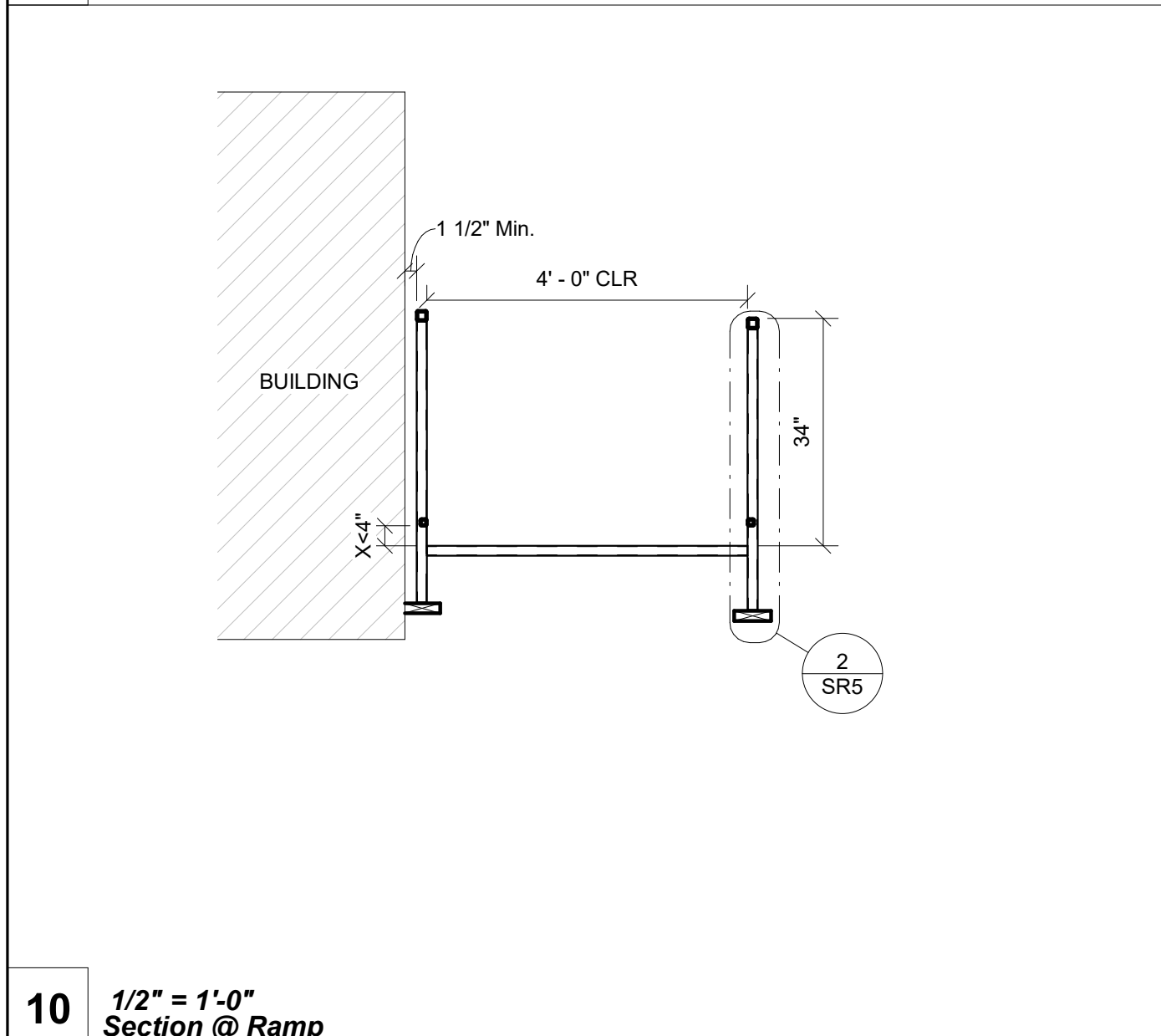
9 1/2" = 1'-0" Section @ Landing



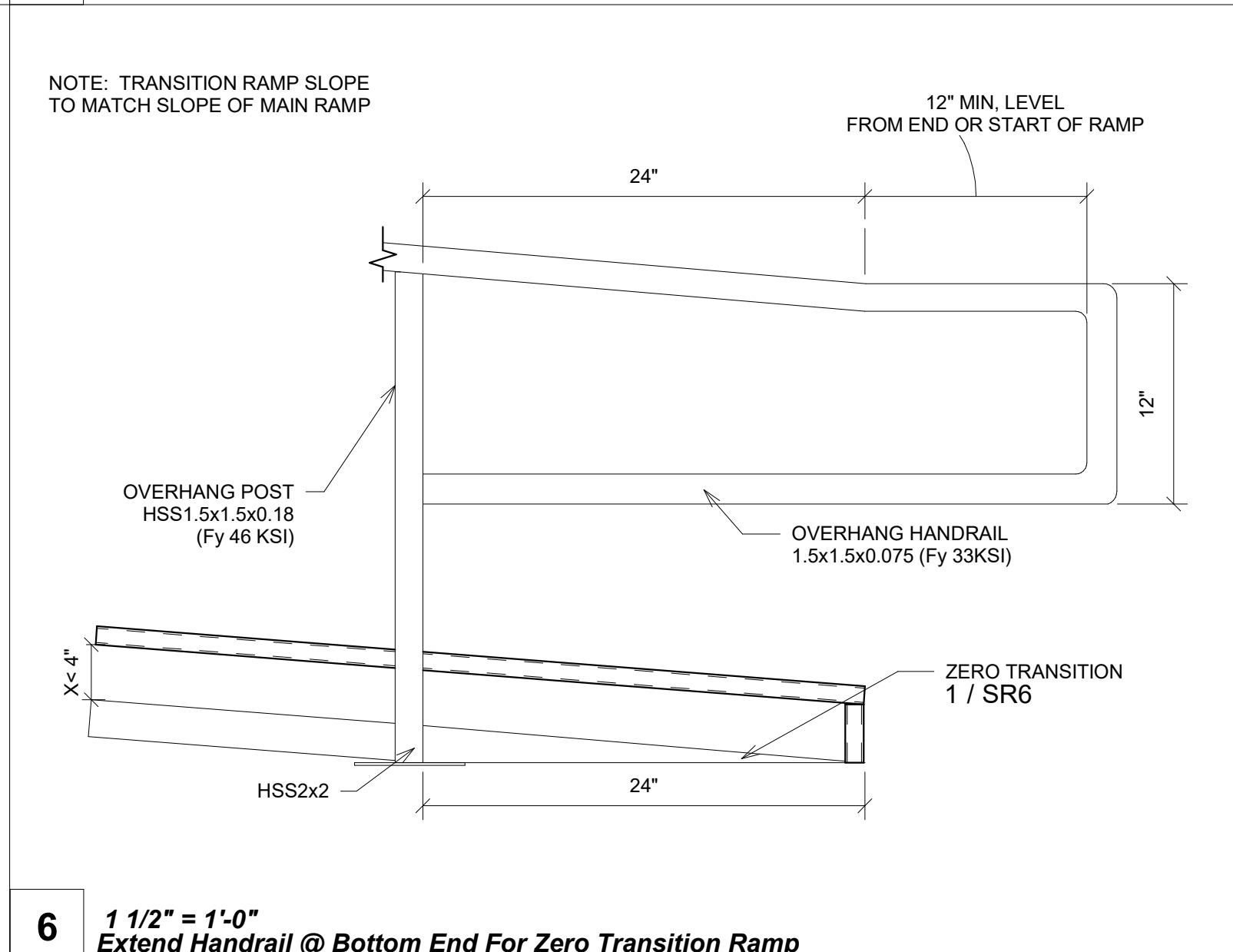
4 6" = 1'-0" Top View Ramp Zero Transition



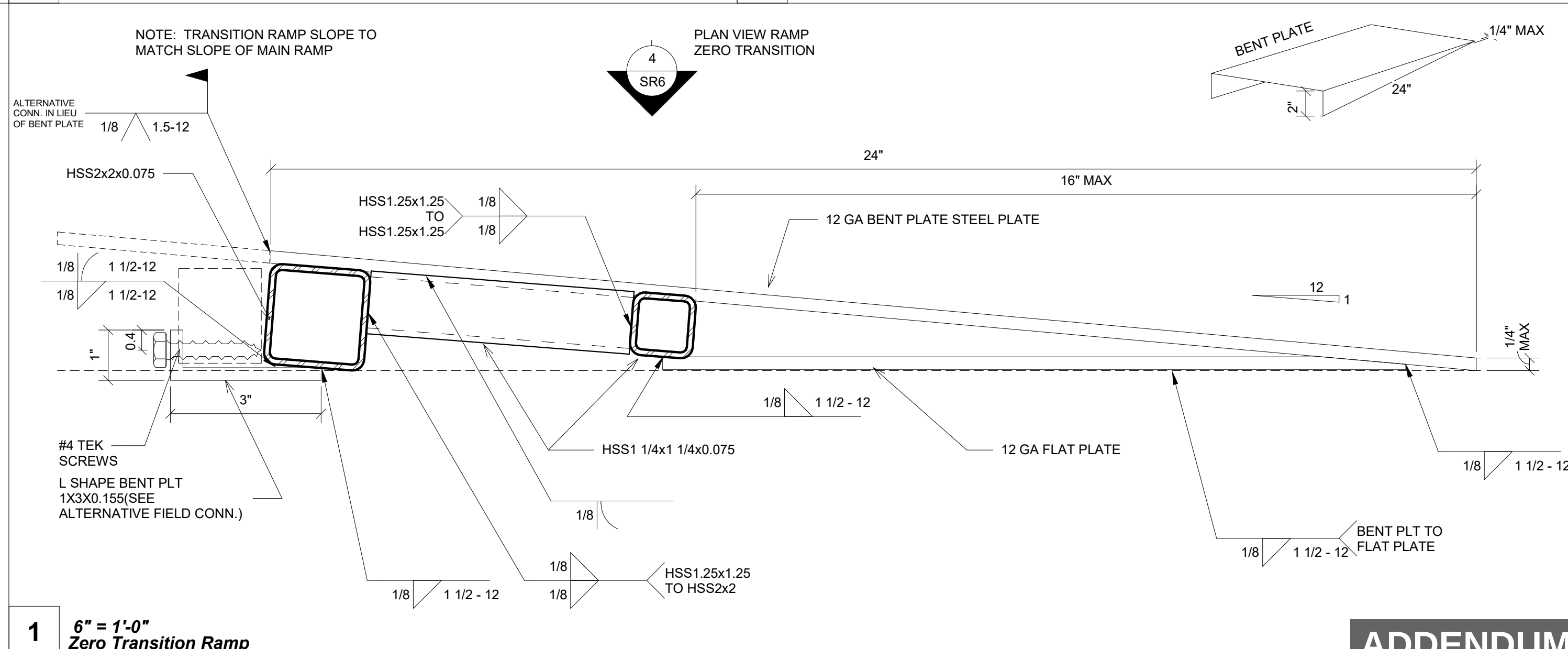
5 6" = 1'-0" Zero Transition Ramp Connection



10 1/2" = 1'-0" Section @ Ramp



6 1 1/2" = 1'-0" Extend Handrail @ Bottom End For Zero Transition Ramp



1 6" = 1'-0" Zero Transition Ramp

PROJECT SPECIFIC STATE AGENCY APPROVAL

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STATE OF CALIFORNIA

9.13.2024

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ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
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APP: 04-123741 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date
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PROJECT TITLE

RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE

Ramp Details

PROJECT NUMBER

20093

DRAWN BY

SM

CHECKED BY

rMc

DATE

6/15/2021

SHEET NO.

SR6

ADDENDUM