

INCREMENT 01

RELOCATABLE BUILDINGS

HOUSTON SCHOOL

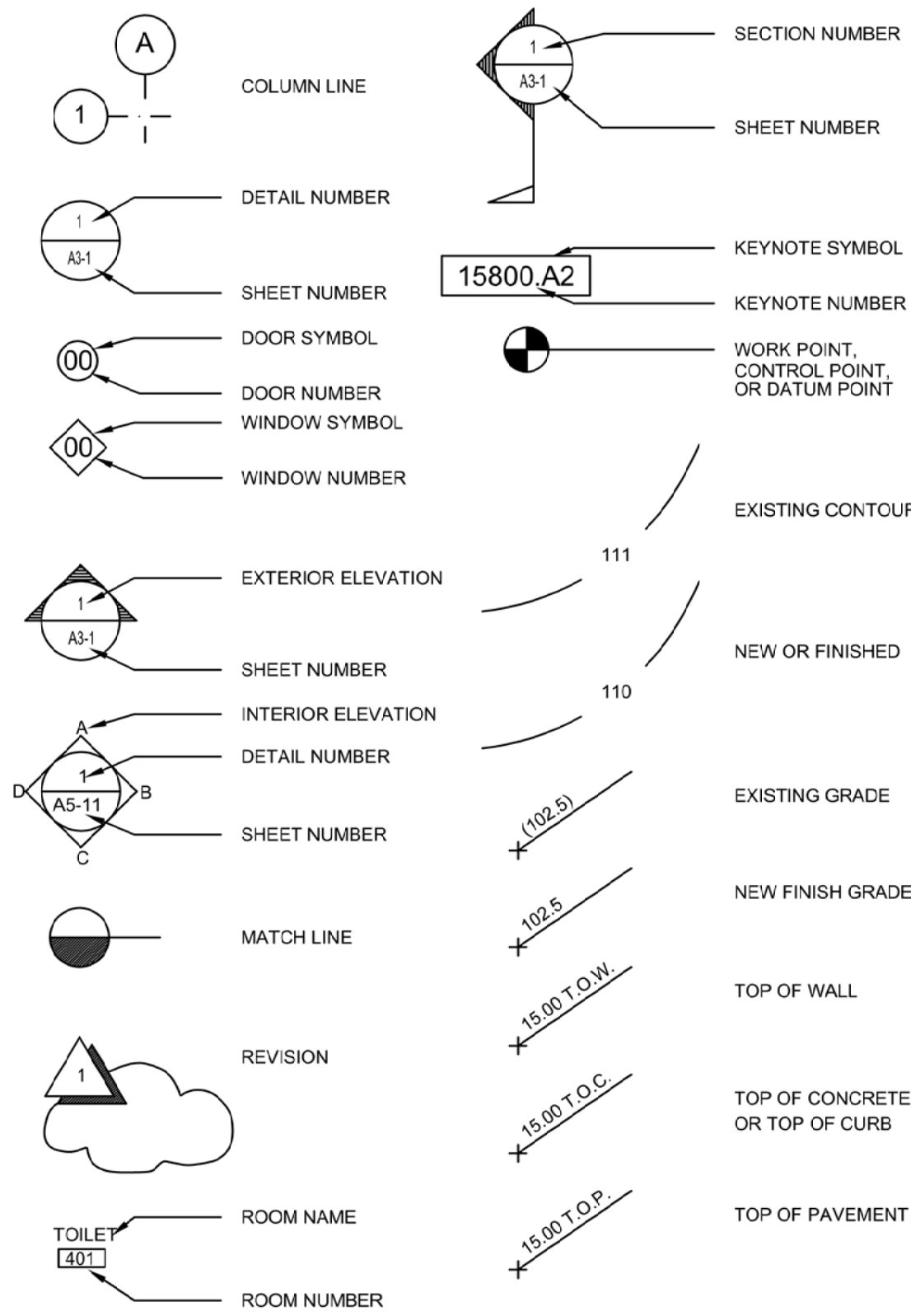
4600 ACAMPO RD, ACAMPO, CA 95220

ABBREVIATIONS

&	And	E	East	K.P	Kickplate	S	South
∠	Angle	(E)EXST.	Existing	KIT	Kitchen	S.D.	Soap Dispenser
@	At	EA	Each	LAM.	Laminate	SECT.	Section
⊙	Centerline	E.J.	Expansion Joint	LAV.	Lavatory	SHR.	Shower
∅	Diameter or Round	EL	Elevation	LKR.	Locker	SHT	Sheet
⊥	Perpendicular	ELEC.	Electrical	LT.WT	Light Weight	SHTG.	Sheeting
#	Pound or Number	EMER.	Emergency	L.V.	Louver Vent	SIM.	Similar
⌘	Plate	ENCL.	Enclosure			S.M.	Sheet Metal
		EQ.	Equal			S.M.S.	Sheet Metal Screw
A.C.	Asphalt Concrete	EQPT.	Equipment	MAX.	Maximum	S.N.D.	Sanitary Napkin Dispenser
ACCUS.	Acoustical	E.W.C.	Electric Water Cooler	M.B.	Machine Bolt	S.N.R.	Sanitary Napkin Receptacle
A.D.	Area Drain	EXP.	Expansion	MAT'L	Material	SPEC.	Specification
ADJ.	Adjustable	EXT.	Exterior	MECH.	Mechanical	SQ.	Square
AGGR.	Aggregate			MEMB	Membrane	S.R.V.	Semi Rigid Vinyl
ALUM./AL.	Aluminum			MEZZ.	Mezzanine	S.S.	Service Sink
ARCH.	Architectural	F.A.	Fire Alarm	MFR.	Manufacturer	ST	Stainless Steel
ASPH.	Asphalt	F.B.	Fiberboard	MH.	Manhole	STD.	Standard
AUTO.	Automatic	F.D.	Floor Drain	MIN.	Minimum	STL.	Steel
A.V.	Auto Visual	FDN.	Foundation	MISC.	Miscellaneous	STOR.	Storage
		F.F.E.	Finish Floor Elevation	MET.	Metal	STRUC.	Structural
		F.H.M.B.	Flat Head Machine Bolt			SUSP.	Suspended
B	Bolt	F.H.M.S.	Flat Head Machine Screw	(N)	New	SYM.	Symmetrical
BLDG.	Building	FIN.	Finish	N.I.C.	Not in Contract	SHT.VN.L.	Sheet Vinyl
BLK.	Block	F.L.	Floor	NO./#	Number		
BLKG.	Blocking	F.L.	Fusible Link	NOM.	Nominal		
BM.	Beam	F.L.	Flashing	N.T.S.	Not to Scale		
BOT.	Bottom	FLASHG	Face of Concrete/Curb				
B.S.	Both Sides	F.O.C.	Face of Finish				
		F.O.F.	Face of Finish				
		F.O.S.	Face of Studs				
CAB.	Cabinet	F.R.P.	Fiberglass Reinforced Plastic	O/	Over		
C.B.	Catch Basin	F.S.	Full Size	O.A.	Overall		
CB.	Chalkboard	FT.	Foot/Feet	OBS.	Obscure		
CEM.	Cement	FTG.	Footling	O.C.	On Center		
CER.	Ceramic	FURR.	Furring	O.D.	Outside Diameter		
C.G.S.	Corner Gaurd	FUT.	Future	OFF.	Office		
C.I.	Cast Iron			PRGST.	Precast		
C.J.	Construction Joint/Control Joint			PERF.	Perforated		
C.L.	Chain Link	GA.	Gauge	P.LAM	Plastic Laminate		
CLG.	Calking	G.B.	Grab Bar	PLYWD.	Plaster		
CLKG.	Clear	GL.	Glass/Glazing	P.M.	Plywood		
CLR.	Corrugated Metal Pipe	GND.	Ground	P.M.F.	Pressed Metal		
C.M.P.	Concrete Masonry Unit	GR.	Grade	PR.	Pressed Metal Frame		
C.M.U.	Concrete Masonry Unit	GYP.	Gypsum	PRE-FAB	Pair		
CNTR.	Counter	G.I.	Galvanized Iron	PROJ.	Project		
COL.	Column	G.S.M.	Galvanized Sheet Metal	P.T.D.	Paper Towel Dispenser		
CONN.	Connection	GYP.	Gypsum Board	P.T.D.R.	Paper Towel Dispenser Receptacle		
CONSTR.	Construction			PTN.	Partition		
CONT.	Continuous			P.T.R.	Paper Towel Receptacle		
CORR.	Corridor						
		HDR.	Header	R.	Riser		
		HDWD.	Hardwood	RAD.	Radius		
d	Pennyweight (Nails)	HDW.	Hardware	R.B.	Rubber Base		
DBL.	Double	HOR.	Horizontal	R.D.	Root Drain		
DET.	Detail	H.B.	Hose Bib	R.E.	Rim Elevation		
D.F.	Drinking Fountain	HR.	Hour (Fire Rating)	REFR.	Refrigerator		
D.I.	Drain Inlet	HGT.	Height	RGR.	Register		
DIA.	Diameter			REINF.	Reinforced		
DIM.	Dimension	I.D.	Inside Diameter	REQ.	Required		
DIM.PT.	Dimension Point	IN.	Inch	RET.	Return		
DN.	Down	INFO.	Information	R.M.	Room		
DP.	Drip	INSUL.	Insulation	R.O.	Rough Opening		
D.P.	Damp Proofing	INT.	Interior	RWD.	Redwood		
DR.	Door	JAN.	Janitor	R.W.L.	Rain Water Leader		
D.S.	Downspout	JST.	Joint	R.H.W.S.	Round Head Wood Screw		
DWG.	Drawing						

K.P	Kickplate	S	South
KIT	Kitchen	S.D.	Soap Dispenser
LAM.	Laminate	SECT.	Section
LAV.	Lavatory	SHR.	Shower
LKR.	Locker	SHT	Sheet
LT.WT	Light Weight	SHTG.	Sheeting
L.V.	Louver Vent	SIM.	Similar
		S.M.	Sheet Metal
		S.M.S.	Sheet Metal Screw
		S.N.D.	Sanitary Napkin Dispenser
		S.N.R.	Sanitary Napkin Receptacle
		SPEC.	Specification
		SQ.	Square
		S.R.V.	Semi Rigid Vinyl
		S.S.	Service Sink
		ST	Stainless Steel
		STD.	Standard
		STL.	Steel
		STOR.	Storage
		STRUC.	Structural
		SUSP.	Suspended
		SYM.	Symmetrical
		SHT.VN.L.	Sheet Vinyl
		T.	Toilet
		TB.	Tackboard
		T.B.	Towel Bar
		T.A.G.	Tongue & Groove
		TEL.	Telephone
		THK.	Thick
		THRES.	Threshold
		THRU.	Through
		T.O.C.	Top of Curb
		T.O.P.	Top of Pavement
		T.O.W.	Top of Wall
		TYP.	Typical
		U.O.N.	Unless Otherwise Noted
		UR.	Urinal
		V.C.T.	Vinyl Composition Tile
		VERT.	Vertical
		V.F.	Vinyl Fabric
		W.	West
		WI.	With
		W.C.	Water Closet
		WD.	Wood
		WH.	Water Heater
		W/O	Without
		WSCOT.	Wainscot
		W.W.M.	Welded Wire Mesh
		WDW.	Window
		WT.	Weight
		YD.	Yard

SYMBOL LEGEND



SHEET INDEX

ARCHITECTURAL	C2.1	GRADING AND PAVING PLAN
CS	C2.2	GRADING AND PAVING PLAN
A0.1	C2.3	GRADING AND PAVING PLAN
A1.1	C3.1	UTILITY PLAN
A1.1	C4.1	SITE STRIPING AND SIGNAGE PLAN
A1.3	C4.2	SITE STRIPING AND SIGNAGE PLAN
	C5.1	EROSION CONTROL PLAN
	C5.2	EROSION NOTES AND DETAILS
	C6.1	DETAILS
	C6.2	DETAILS
	C6.3	DETAILS
ELECTRICAL		
E001		ELECTRICAL SHEET INDEX, SYMBOLS LIST AND ABBREVIATIONS
E100		SITE PLAN ELECTRICAL DEMOLITION-SERNA & WOODBRIDGE
E110		SITE PLAN-ELECTRICAL DEMOLITION
E120		SITE PLAN-ELECTRICAL
E130		PARTIAL SITE PLAN-ELECTRICAL
E140		PARTIAL SITE PLAN-FIRE ALARM
E300		ONE LINE DIAGRAM-POWER
E310		ONE LINE DIAGRAM-SIGNAL
E400		FIRE ALARM NOTES, MATRIX AND DETAILS
E410		FIRE ALARM SCHEDULES, FIRE RISER DIAGRAM AND CALCS
E500		ELECTRICAL DETAILS
FIRE SYSTEMS		
F1.0		FIRE SYSTEM SITE PLAN AND TECHNICAL SPECIFICATIONS
F1.1		FIRE SYSTEMS DETAILS
CIVIL		
C0.1		CIVIL NOTES, LEGENDS & ABBREVIATIONS
C0.2		TOPOGRAPHIC SURVEY
C0.3		TOPOGRAPHIC SURVEY
C1.1		DEMOLITION PLAN
C1.2		DEMOLITION PLAN

• SHEET COUNT IS 101 SHEETS

INCREMENT 01

- RELOCATE SIX RELOCATABLE BUILDINGS
- ASSOCIATED SITE DEVELOPMENT WORK
- FIRE SERVICE WORK INCLUDING UNDERGROUND LINES, FIRE DEPARTMENT CONNECTIONS AND CONNECTIONS TO EXISTING PRESSURE TANKS

INCREMENT 02

- FIRE SYSTEM WATER TANK; STRUCTURAL DESIGN AND DETAILS FOR TANK ONLY

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO, SHOP DRAWINGS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

- The drawings or sheets listed on the cover or index sheet prepared by Pacesetter Industries and American Modular Systems

Have/has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- design intent, and appears to meet the appropriate requirements of Title 24, California Code of Regulations, and the project specifications prepared by me, and
- coordination with my plans and specifications, and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code, and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1 (Title 24, Part 1, Section 4-317 (b)).

ARCHITECTS NAME: STEPHEN HENRY DATE: 2/25/2019

PROJECT TEAM

OWNER

LODI UNIFIED SCHOOL DISTRICT
1305 E. VINE STREET
LODI, CA 95240
CONTACT: VICKIE BRUM
PHONE: (209) 331-7223
EMAIL: vbrum@lodusd.net

ARCHITECTURAL

HENRY + ASSOCIATES ARCHITECTS
730 HOWE AVE, SUITE 450
SACRAMENTO, CA 95825
CONTACT: STEPHEN HENRY
PHONE: (916) 921-2112
EMAIL: stephen@henry-architects.com

ELECTRICAL

M. NEILS ENGINEERING, INC.
100 HOWE AVENUE, SUITE 235N
SACRAMENTO, CA 95825
CONTACT: SINISHA GLISIC
PHONE: (916) 923-4400
EMAIL: SGLisic@mneilsengineering.com

FIRE SYSTEMS

SAUER ENGINEERING, INC.
105 PROVIDENCE MINE ROAD, SUITE 202
NEVADA CITY, CA 95959
CONTACT: KEITH KNIBB
PHONE: (530) 265-8021
EMAIL: keith@sauerseeng.com

CIVIL

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
CONTACT: SETH NISBET
PHONE: (916) 985-1870
EMAIL: seth@wceinc.com

LANDSCAPE

MTW GROUP
10411 OLD PLACERVILLE ROAD, SUITE 205
SACRAMENTO, CA 95827
CONTACT: BRYAN WALKER
PHONE: (916) 369-3990
EMAIL: bryan@mtwgroup.com

PROJECT DESCRIPTION

- CONSTRUCTION OF 1-FIRE WATER TANK
- RELOCATION OF 5-CLASSROOM BUILDINGS (RELOCATABLE)
- RELOCATION OF 1-RESTROOM BUILDING (RELOCATABLE)
- ASSOCIATED SITE DEVELOPMENT INCLUDING UTILITIES, PAVING AND PARKING LOT IMPROVEMENT

MATERIAL LEGEND

	EARTH		WOOD TRIM
	GRAVEL/AGGREGATE BASE		STEEL
	SAND OR PLASTER		TILE
	CONCRETE		BATT INSULATION
	BLOCKING		BRICK
	FRAMING (CONTINUOUS)		GYPSUM BOARD
	PLYWOOD		FIRTEX

APPLICABLE CODES

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 24 CCR, PART 1 - 2016 BUILDING STANDARDS ADMINISTRATIVE CODE
TITLE 24 CCR, PART 2 - 2016 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC)
TITLE 24 CCR, PART 3 - 2016 CALIFORNIA ELECTRICAL CODE (CEC) (2014 NEC, AS AMENDED BY CA)
TITLE 24 CCR, PART 4 - 2016 CALIFORNIA MECHANICAL CODE (CMC) (2015 IAPMO UMC, AS AMENDED BY CA)
TITLE 24 CCR, PART 5 - 2016 CALIFORNIA PLUMBING CODE (CPC) (2015 IAPMO UPC, AS AMENDED BY CA)
TITLE 24 CCR, PART 6 - 2016 CALIFORNIA ENERGY CODE
TITLE 24 CCR, PART 9 - 2016 CALIFORNIA FIRE CODE (CFC) (2015 IFCC, AS AMENDED BY CA)
TITLE 24 CCR, PART 11 - 2016 CALIFORNIA GREEN BUILDING STDS CODE
TITLE 24 CCR, PART 12 - CALIFORNIA REFERENCED STANDARDS (partial list - see CBC Ch. 35 and CFC Ch. 80)
2016 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
2013 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
2013 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS
2013 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS
2013 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2013 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION
2013 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS
2016 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED); See UL Std 1971 for "Visual Devices"
2015 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVE
2015 NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS
2003 UL 464, AUDIBLE SIGNAL APPLIANCES
1999 UL 521, HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
2012 ICC 300, BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS (ICC300-2012)

CONTRACTOR SHALL KEEP A COPY OF TITLE 24, PARTS 1-5 ON THE SITE AT ALL TIMES.
TITLE 24, PART 1, SECTION 4.317(c):

"THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS A CONSTRUCTION CHANGE DOCUMENT, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH REPAIR WORK."

NOTES:

- ALL NEW WORK SHALL CONFORM TO THE 2016 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS.
- CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN APPROVED SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, CAC, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. ALL CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATIONS IA A-6. CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24, AND NO WORK SHALL COMMENCE UNTIL APPROVED BY DSA.
- A DSA "CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-343, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
- A DSA CERTIFIED INSPECTOR WITH CLASS 3 IS REQUIRED FOR THIS PROJECT (IR A-7)
- AN LEA TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- GRADING PLANS, DRAINAGE IMPROVEMENT, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- ADDENDA SHALL BE APPROVED BY DSA.

FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

COVER SHEET

CONSULTANT

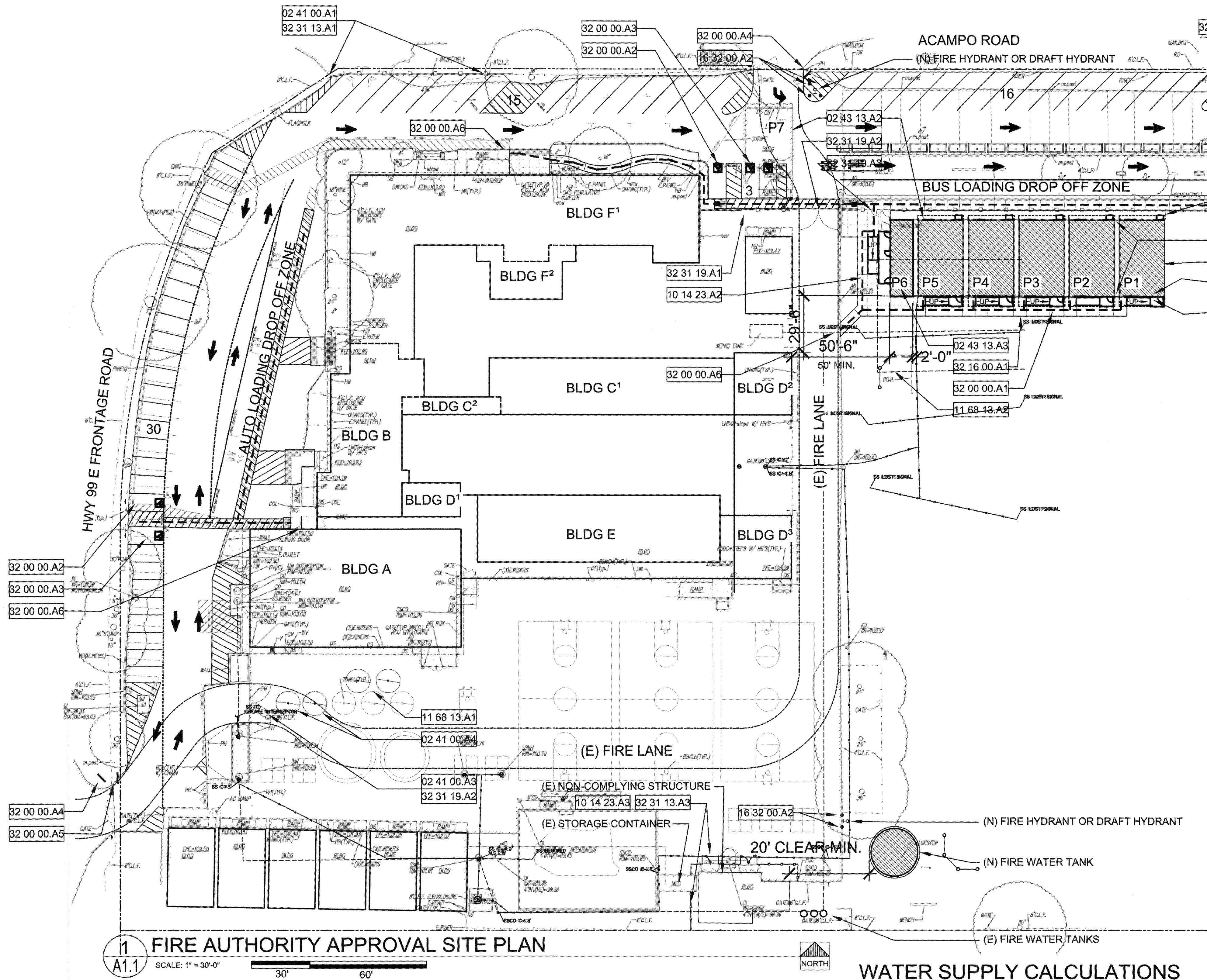
PROJECT NO.	REVISIONS	BY
18-32-046		
DATE		
02/25/2019		
DRAWN		
SLH		
CHECKED		
SLH		
SCALE		
N.T.S.		
CADFILE		
UPDATED		

SHEET NO.

CS



A0.1



KEYNOTES

- 02 41 00 DEMOLITION
- 02 41 00.A1 remove existing chain link fence and gates (approximately 80 ft total)
- 02 41 00.A2 remove 3'-6" of existing chain link fence and install new end posts and secure ends of chain link to new fence posts for new gate opening
- 02 41 00.A3 remove 20'-6" of existing chain link fence and install new end posts and secure of end of chain link to new fence posts for new opening
- 02 41 00.A4 remove existing tetherball posts (2 locations)
- 02 41 00.A5 remove existing playground backstop
- 02 41 00.A6 remove existing goal posts
- 02 43 13 STRUCTURE RELOCATION
- 02 43 13.A1 Relocate five (5) relocatable classroom buildings (P1-P5) and ramps from Joe Sema Charter School. Set buildings on new wood foundations per each original building manufacturer drawings. Set ramps flush to new concrete walks.
- 02 43 13.A2 Demolish and remove one (1) relocatable classroom building (P7) and ramp from Houston Middle School.
- 02 43 13.A3 Relocate one (1) relocatable toilet building (P6) and ramp from Woodbridge Elementary School. Set building on new wood foundation per original building manufacturer drawings. Set ramp flush to new concrete walks.
- 02 43 13.A4 Relocate five (5) relocatable classroom buildings (P1-P5) and ramps from Joe Sema Charter School. Set buildings on new wood foundations per each original building manufacturer drawings. Set ramps flush to new concrete walks.
- 06 10 00 ROUGH CARPENTRY
- 06 10 00.A1 install closure panels between relocatable buildings front and rear per detail 8/A0.1 - typical all relocated buildings.
- 10 14 23 SIGNAGE
- 10 14 23.A1 provide room identification sign and tactile exit sign per details 2/A0.1 and 3/A0.1 at five
- (5) door locations buildings P1-P5.
- 10 14 23.A2 provide toilet room identification sign and toilet room door symbol per detail 2/A0.1 at three (3) door locations building P6.
- 10 14 23.A3 provide sign at building stating "TEACHERS AND PUPILS SHALL NOT ENTER STRUCTURE"
- 10 44 16 FIRE EXTINGUISHERS
- 10 44 16.A1 provide one UL rated 2A-10 BC multipurpose fire extinguisher at each classroom (five locations), mount on wall with bracket near door.
- 11 68 13 PLAYGROUND EQUIPMENT
- 11 68 13.A1 install (2) tetherball poles per 5/A1.3 and strip asphalt.
- 11 68 13.A2 install (1) softball backstop (three 10' wide x 12' high chain link fence panels)
- 32 00 00 EXTERIOR IMPROVEMENTS
- 32 00 00.A1 accessible path of travel shown dashed
- 32 00 00.A2 accessible parking stall per civil
- 32 00 00.A3 accessible van parking stall per civil
- 32 00 00.A4 low away sign per civil
- 32 00 00.A5 stop sign per civil
- 32 00 00.A6 end of accessible path of travel this project
- 32 16 00 SITE
- 32 16 00.A1 new site concrete paved walk per civil
- 32 16 00.A2 install five (5) bollards at hydrants per detail 6/A1.3
- 32 31 13 CHAIN LINK FENCE
- 32 31 13.A1 install new 6' high chain link fence where gate and fences where gate and fence were removed (approximately 80 ft).
- 32 31 13.A2 install new 6' high x 3'-6" wide chain link gate per detail 4/A0.1
- 32 31 13.A3 install new 6' high x 3'-0" wide standard chain link gate
- 32 31 13.A4 install new 6' high chain link fence 6' from existing structure with two sets of double 8' gates.
- 32 31 19 ORNAMENTAL METAL FENCE
- 32 31 19.A1 install new 6' high x 3'-6" wide ornamental metal fence (approximately 420 ft).
- 32 31 19.A2 install new 6' high x 20' wide ornamental metal gate at fire lane per detail 9/A0.1
- 32 31 19.A3 install new 6' high x 3'-6" wide ornamental metal gate per detail 5/A0.1

WATER SUPPLY CALCULATIONS

THE FIRE WATER TANK IS SIZED PER NFPA 1142 BASED ON THE PROJECT SIZE AND BUILDING VOLUME. LISTED IN THE CHART BELOW. THE FIRE WATER TANK IS DESIGNED TO PROVIDE FIRE WATER FOR THE BUILDINGS OF THIS APPLICATION ONLY. THE EXISTING BUILDINGS ARE NOT INCLUDED IN THE WATER SUPPLY CALCULATION AND THEREFORE, THE FIRE WATER TANK IS NOT DESIGNED TO PROVIDE PROTECTION FOR THEM.

12/4/2018				
STRUCTURES WITHOUT EXPOSURE HAZARDS				
	VS	OHC	CC	WS
WS = (VS/OHC) x CC	86400	7	1.5	18514
Required tank volume in gallons				18514
WS = Water Supply				
VS = Volume of Structure (Cubic Feet)				
OHC = Occupancy	86400			
Hazard Classification	7			
Construction				
Classification	1.5			
VS				
Volume of Structure	Cubic feet	# bldgs	Total	
Classrooms (24' wide x 40' long x 12' high)	11520	7	80640	
Volume of Structure Restroom (12' wide x 40' long x 12' high)	5760	1	5760	
Building Cubic Feet			86400	



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design/means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

PROJECT INFORMATION	
School District/Owner:	LODI UNIFIED SCHOOL DISTRICT
Project Name/School:	HOUSTON SCHOOL
Project Address:	4600 ACAMPO ROAD, ACAMPO, CA 95220

FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (if any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.					
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.					
5. Fire Hydrants: Number and spacing does not meet CFC requirements.					
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.					
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.					
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.					
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.					
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.					

DSA 810 (rev 10-22-18) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: LEONARD KAHN Title: CHIEF BUSINESS OFFICER
Signature: _____ Date: 2/20/2019

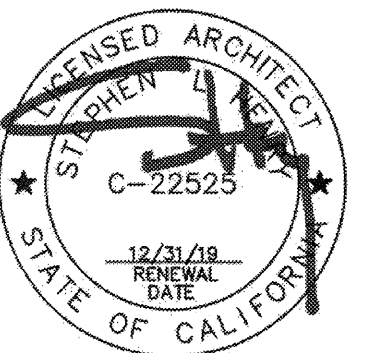
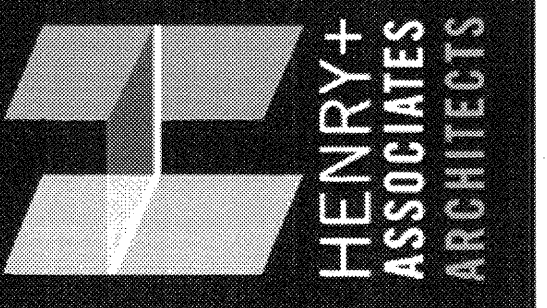
LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: WOODBRIDGE FIRE DISTRICT
LFA Review Official: CHIEF STEVE BUTLER
Title: FIRE CHIEF Work Phone: (209) 369-1945
Work E-mail: steve.butler@woodbridgefire.org

LFA Reviewer's Signature: _____ Date: 2/28/19

FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

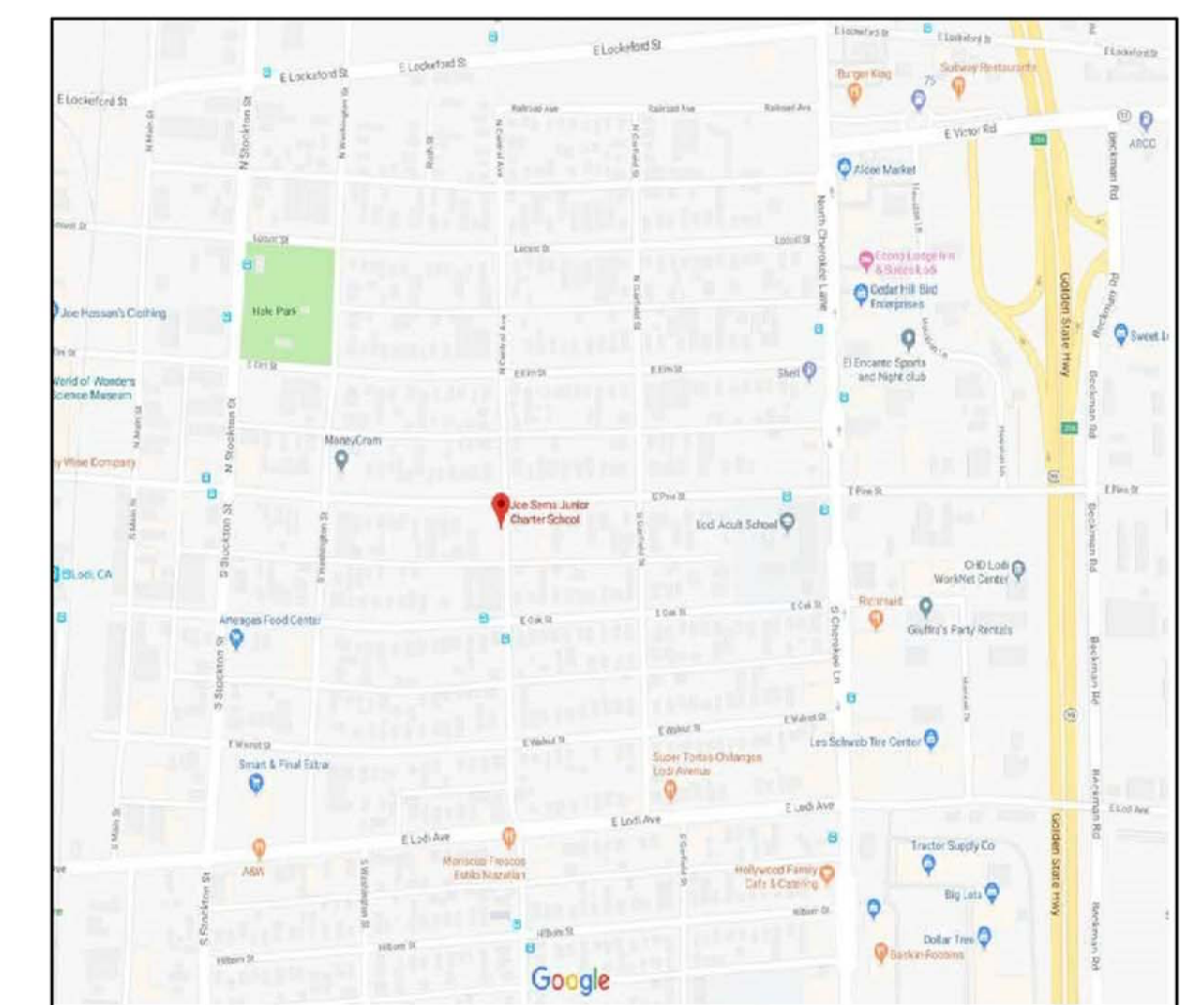
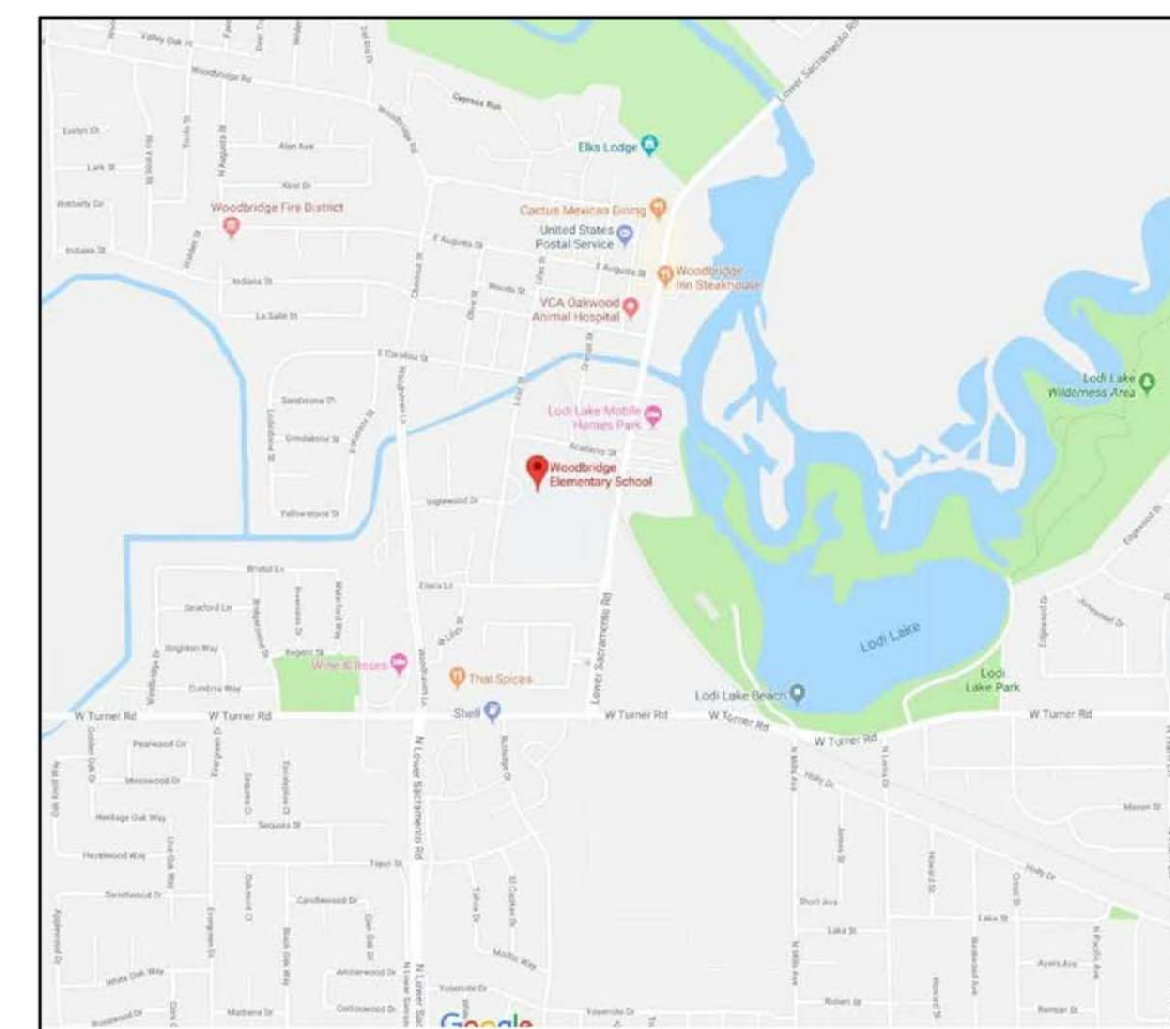
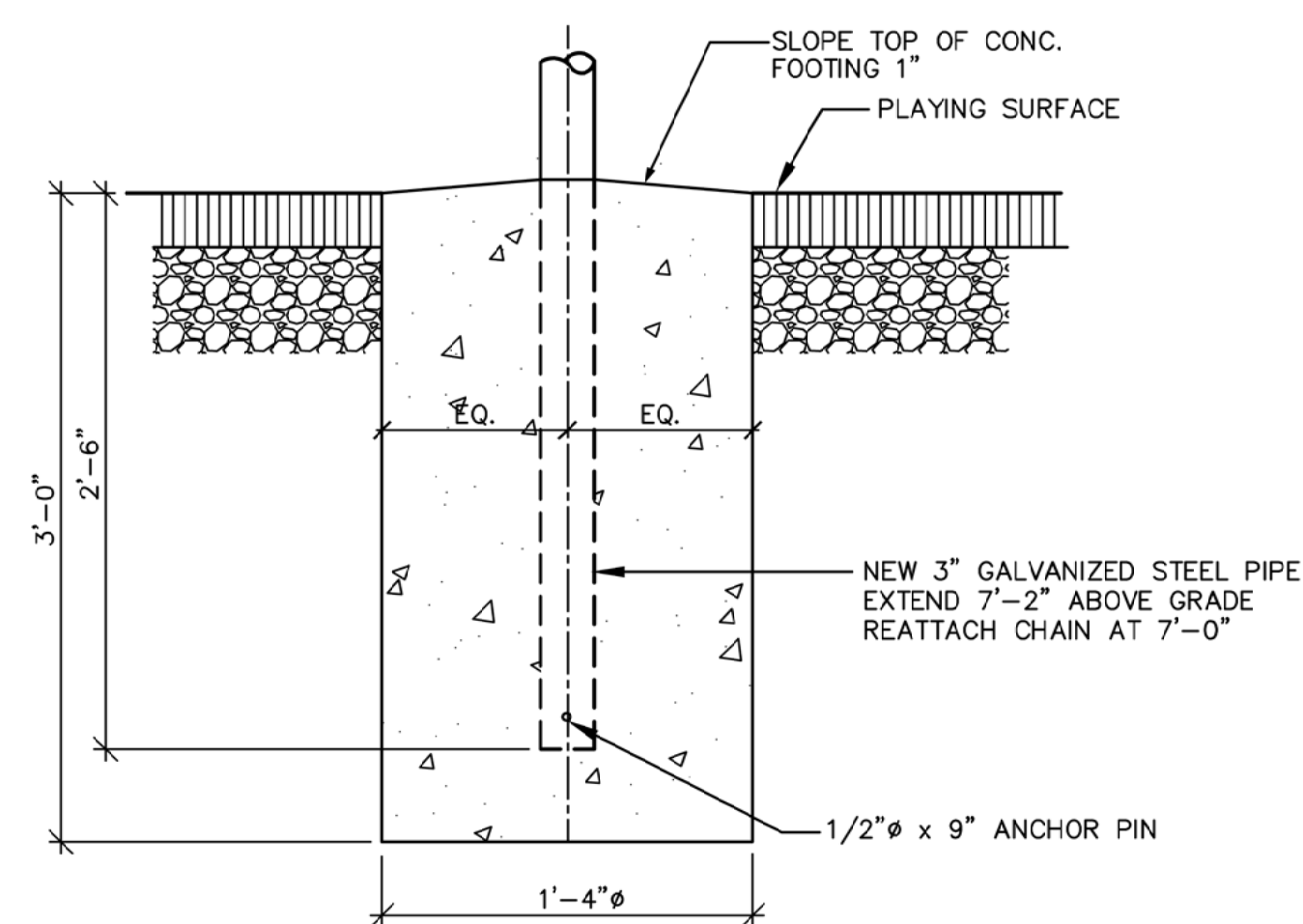
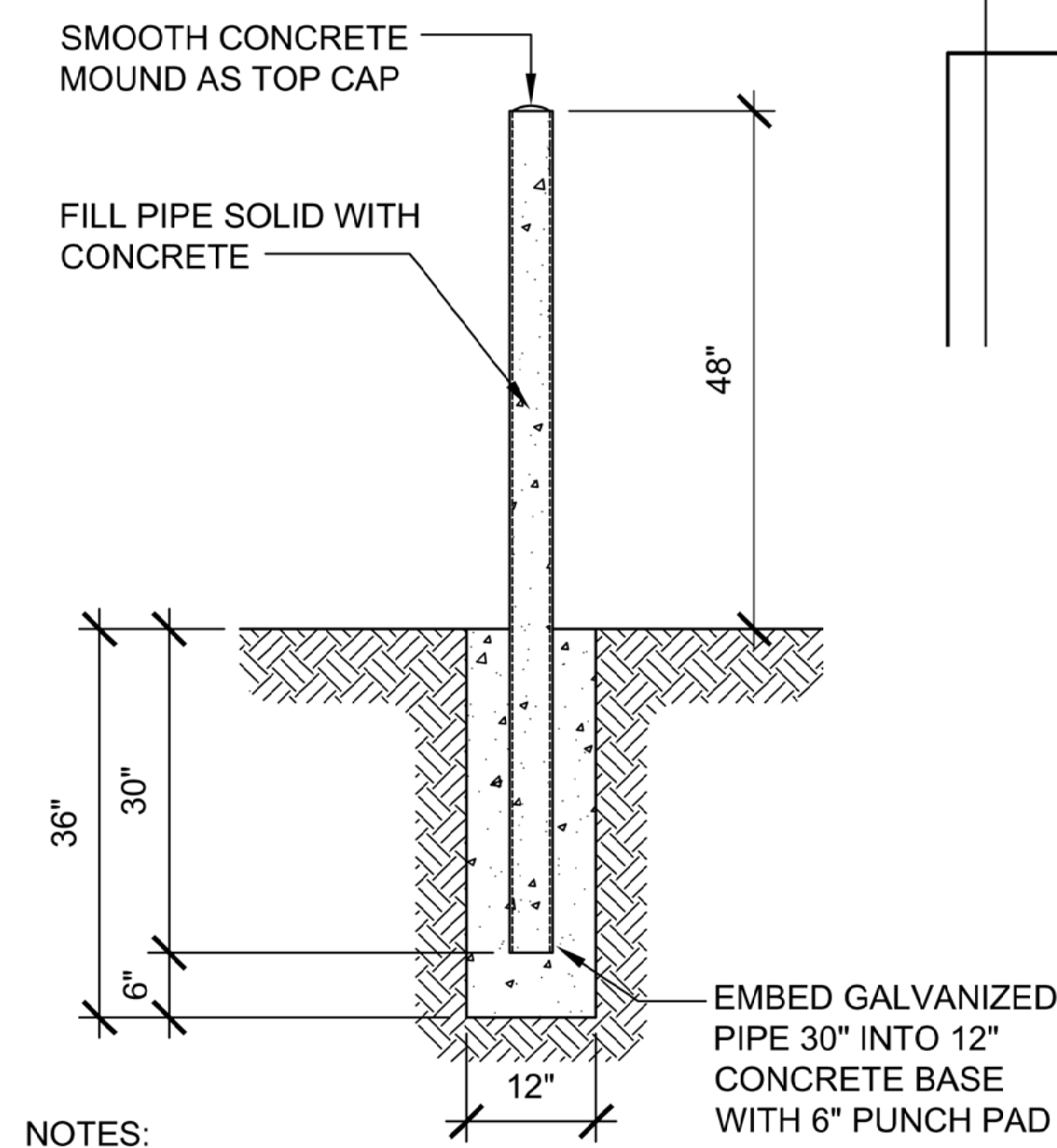
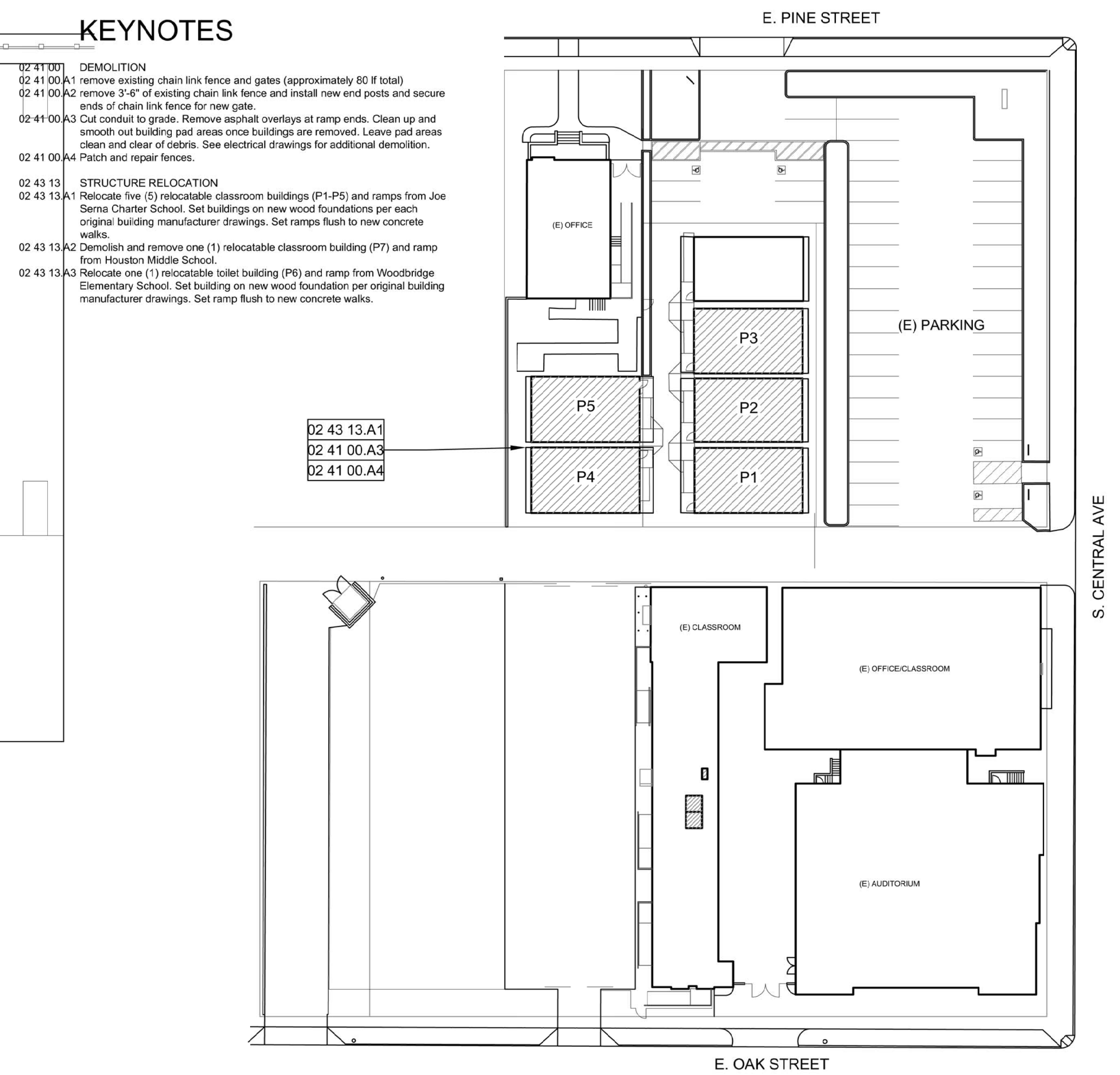
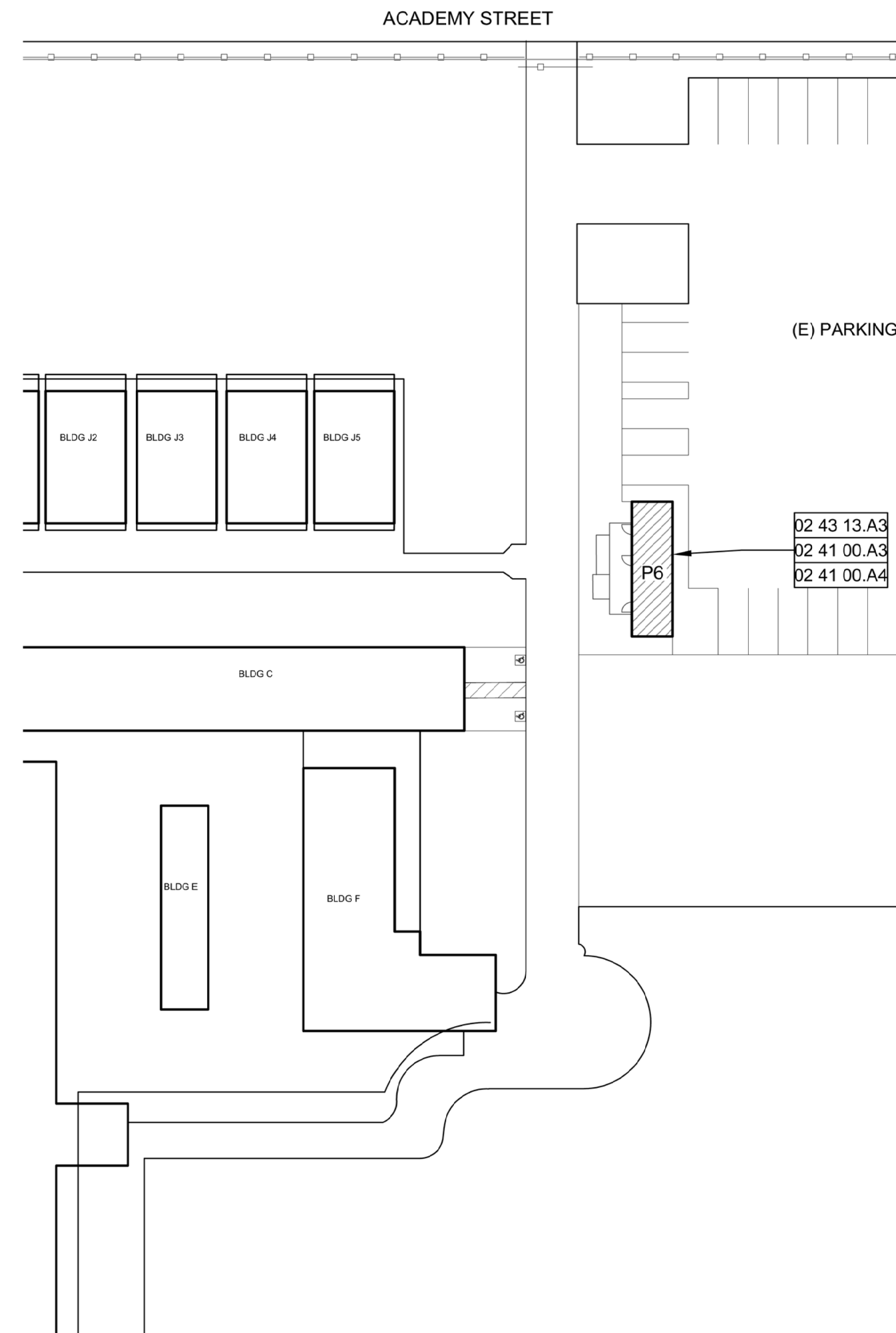
FIRE AUTHORITY APPROVAL
SITE PLAN

CONSULTANT

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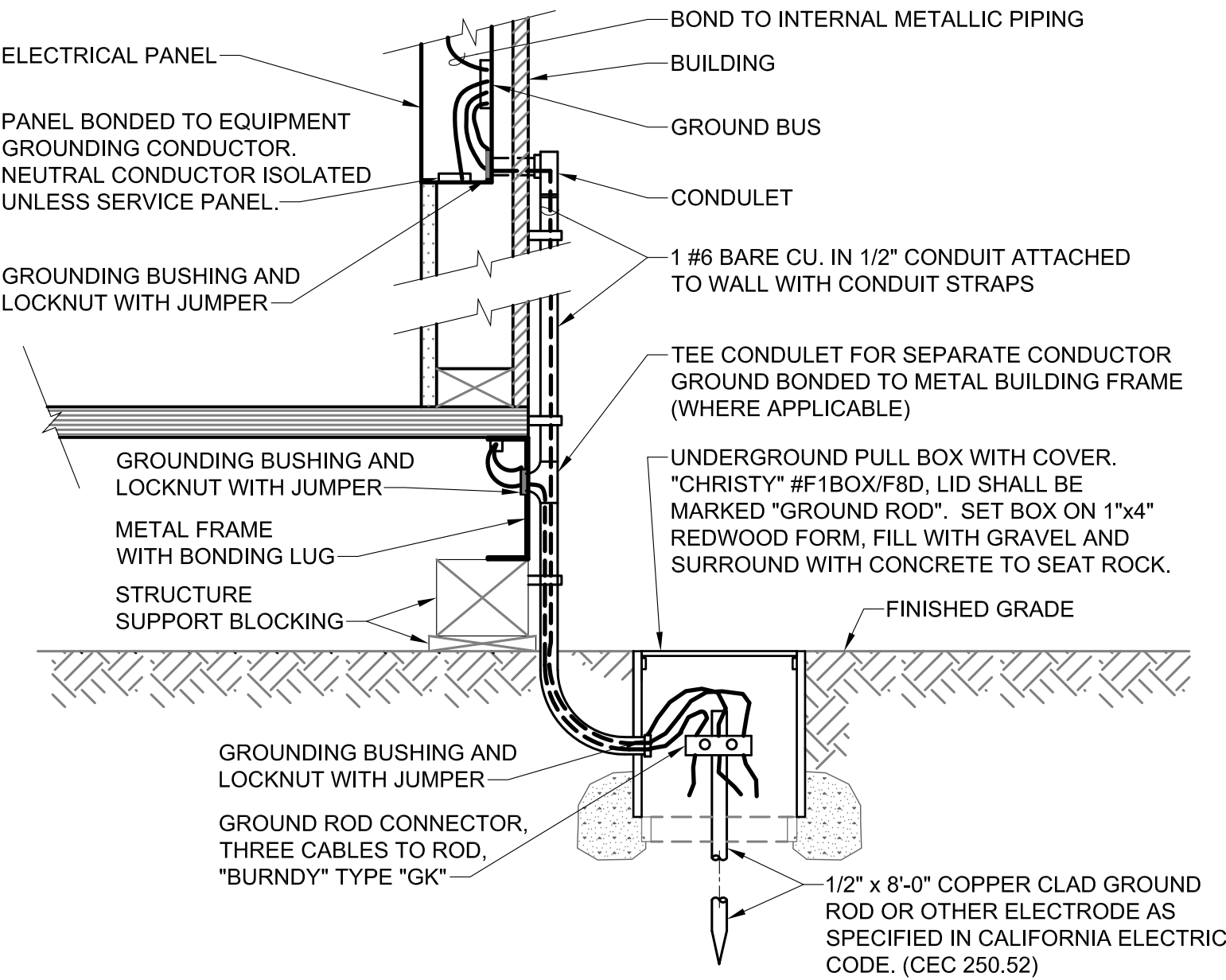
02 OF 101 SHEETS



ELECTRICAL SHEET INDEX		
No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS
1	E001	ELECTRICAL SHEET INDEX, SYMBOL LIST, AND ABBREVIATIONS
2	E100	SITE PLAN - ELECTRICAL DEMOLITION - SERNA AND WOODBRIDGE SCHOOLS
3	E110	SITE PLAN - ELECTRICAL DEMOLTION
4	E120	SITE PLAN - ELECTRICAL
5	E130	PARTIAL SITE PLAN - ELECTRICAL
6	E140	PARTIAL SITE PLAN - FIRE ALARM
7	E300	ONE LINE DIAGRAM - POWER
8	E310	ONE LINE DIAGRAM - SIGNAL
9	E400	FIRE ALARM NOTES, MATRIX, AND DETIALS
10	E410	FIRE ALARM SCHEDULE, RISER DIAGRAM, AND CALCS
11	E500	ELECTRICAL DETAILS

GENERAL GROUNDING NOTES:

- SIZE OF CONDUCTORS SHALL COMPLY WITH CEC 250.66.
- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO METAL BUILDING FRAME, WHERE APPLICABLE, (CEC 250-81) IN ADDITION TO THE DETAIL SHOWN ON DRAWING. BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FEET INTO SOIL IF AVAILABLE (CEC 250.52).
- ALL MODULES OF METAL FRAME BUILDINGS, WHERE APPLICABLE, SHALL BE ELECTRICALLY BONDED TOGETHER, (BOLTING ONLY IS NOT ACCEPTABLE).
- CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC 250.53) AS REQUIRED.
- THE SITE INSPECTOR SHALL VERIFY THE GROUNDING TESTS.



1

E001

GROUNDING DETAIL

NO SCALE

ELECTRICAL SYMBOL LIST	
	JUNCTION BOX - SIZE AS REQUIRED BY CODE
	QUADPLEX CONVENIENCE OUTLET - NEMA 5-20R
	COMBINATION TELE/DATA OUTLET FLUSH IN WALL +18" A.F.F., 4-11/16" SQUARE BOX, 2-1/8" DEEP WITH 2 DEVICE RING AND PLATE (TOP HALF DEVICE FOR TELEPHONE, BOTTOM HALF DEVICE FOR DATA).
	DATA OUTLET - FLUSH IN WALL +18" A.F.F. NUMBER IN PARENTHESIS INDICATES NUMBER OF DATA JACKS.
	FIRE ALARM HEAT DETECTOR - CEILING MOUNTED. "AC" = ABOVE CEILING
	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED. "X" = "I", "R", "T" TO INDICATE "IONIZATION", "BEAM RECEIVER", "BEAM TRANSMITTER" TYPE DETECTOR RESPECTIVELY. THE DEFAULT TYPE IS "PHOTOELECTRIC" INDICATED BY NO LETTER.
	FIRE ALARM AUDIBLE DEVICE, +90" A.F.F. UNLESS OTHERWISE NOTED. DEFAULT DEVICE IS A HORN.
	FIRE ALARM AUDIO / VISUAL DEVICE, +80" A.F.F. DEFAULT AUDIO DEVICE IS A HORN. "YY" INDICATES STROBE CANDELA RATING.
	VISUAL FIRE ALARM DEVICE +80" A.F.F. - WALL MOUNTED (LAMP, SIGNAL LIGHT, INDICATOR LAMP, STROBE), "YY" = CANDELA RATING
	FIRE ALARM RELAY MODULE
	FIRE ALARM CONTROL MODULE
	FIRE ALARM MONITOR MODULE
	END OF LINE RESISTOR
	MASTER FIRE ALARM CONTROL PANEL
	REMOTE FIRE ALARM POWER SUPPLY
	INTERIOR SPEAKER - MATCH EXISTING ON THE SITE. COORDINATE LOCATION PRIOR TO ROUGH IN.
	EXTERIOR SPEAKER - MATCH EXISTING ON THE SITE. COORDINATE LOCATION PRIOR TO ROUGH IN.
	CLOCK - MATCH EXISTING ON THE SITE. COORDINATE EXACT LOCATION PRIOR TO ROUGH IN.
	CONDUIT RUN CONCEALED IN CEILINGS OR WALLS. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" CONDUIT. TYPICAL FOR ALL CONDUITS.
	FLEXIBLE CONDUIT CONCEALED. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" MINIMUM DIAMETER CONDUIT.
	CONDUIT RUN UNDERFLOOR OR UNDERGROUND MINIMUM 1" DIAMETER.
	CONDUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR TERMINAL CABINET
	CONDUIT STUB WITH INSULATED BUSHING
	EXISTING CONDUIT AND WIRING
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - FLUSH MOUNTED
	EXISTING PANELBOARD - SURFACE MOUNTED
	EXISTING PANELBOARD - FLUSH MOUNTED
	TERMINAL CABINET
	SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER
	DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET
	DRAWING PLAN OR DETAIL DESIGNATION - "1" OR "A" DENOTES PLAN OR DETAIL NUMBER, "E-1" DENOTES SHEET NUMBER
SYMBOL LIST NOTES:	
<ol style="list-style-type: none">EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.ELECTRICAL OUTLET BOXES MOUNTED ON OPPOSITE SIDES OF FIRE-RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES PER CBC 2013, WHETHER SHOWN ON THE PLANS OR NOT.VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.	

ABBREVIATIONS			
A	AMPERES	LT.	LIGHT
AC	ALTERNATING CURRENT	LV	LOW VOLTAGE
A.F.F.	ABOVE FINISHED FLOOR	MAX.	MAXIMUM
A.I.C.	AMPERE INTERRUPTING CAPACITY	MDF	MAIN DISTRIBUTION FRAME
AMP	AMPERE	MFR.	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MIN.	MINIMUM
BKR	BREAKER	MTD.	MOUNTED
C.	CONDUIT	N	NEUTRAL
C.B.	CIRCUIT BREAKER	(N)	NEW
CD	CANDELA	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CKT	CIRCUIT	N.I.C.	NOT IN CONTRACT
C.O.	CONDUIT ONLY, WITH PULL WIRE	NL	NIGHT LIGHT
C.T.	CURRENT TRANSFORMER	NM	NON-METALLIC CABLE
DC	DIRECT CURRENT	PFB	PROVISIONS FOR FUTURE CIRCUIT BREAKER
(E)	EXISTING	PH	PHASE
EL	EVENING LIGHT	(R)	REMOVE
EM	EMERGENCY	(RE)	RELOCATE EXISTING
(ER)	EXISTING RELOCATED	RCPT.	RECEPTACLE
EMT	ELECTRICAL METALLIC CONDUIT	S.M.S	SHEET METAL SCREW
(F)	FUTURE	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SYS	SYSTEM
FAPS	FIRE ALARM POWER SUPPLY	TV	TELEVISION
FATC	FIRE ALARM TERMINAL CABINET	TYP.	TYPICAL
GA.	GAUGE	UG	UNDERGROUND
GND	GROUND	UL	UNDERWRITERS LABORATORY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLT
HP	HORSEPOWER	VA	VOLT-AMPERES
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	W	WIRE, WATT
HZ.	HERTZ (CYCLES/SEC)	WP	WEATHER PROTECTED
Isc	SHORT CIRCUIT AMPERES	XFMR	TRANSFORMER
ISO	ISOLATED		
K	THOUSAND		
KV	KILO VOLT		
KVA	KILO VOLT AMPERE		
KW	KILO WATT		
KWH	KILO WATT HOUR		

September 13, 2016

MFP Component Anchorage Note

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 2016 CBC, Sections 1616A.1.18 through 1616A.1.26 and ASCE 7-10 Chapter 13, 26 and 30.

- All permanent equipment and components.
- Temporary or movable equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water.
- Movable equipment which is stationed in one place for more than 8 hours and heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component are required to be anchored with temporary attachments.

The following mechanical and electrical components shall be positively attached to the structure, but the attachment need not be detailed on the plans. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit.

- Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
- 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 design professional in general responsible charge or structural engineer delegated responsibility 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

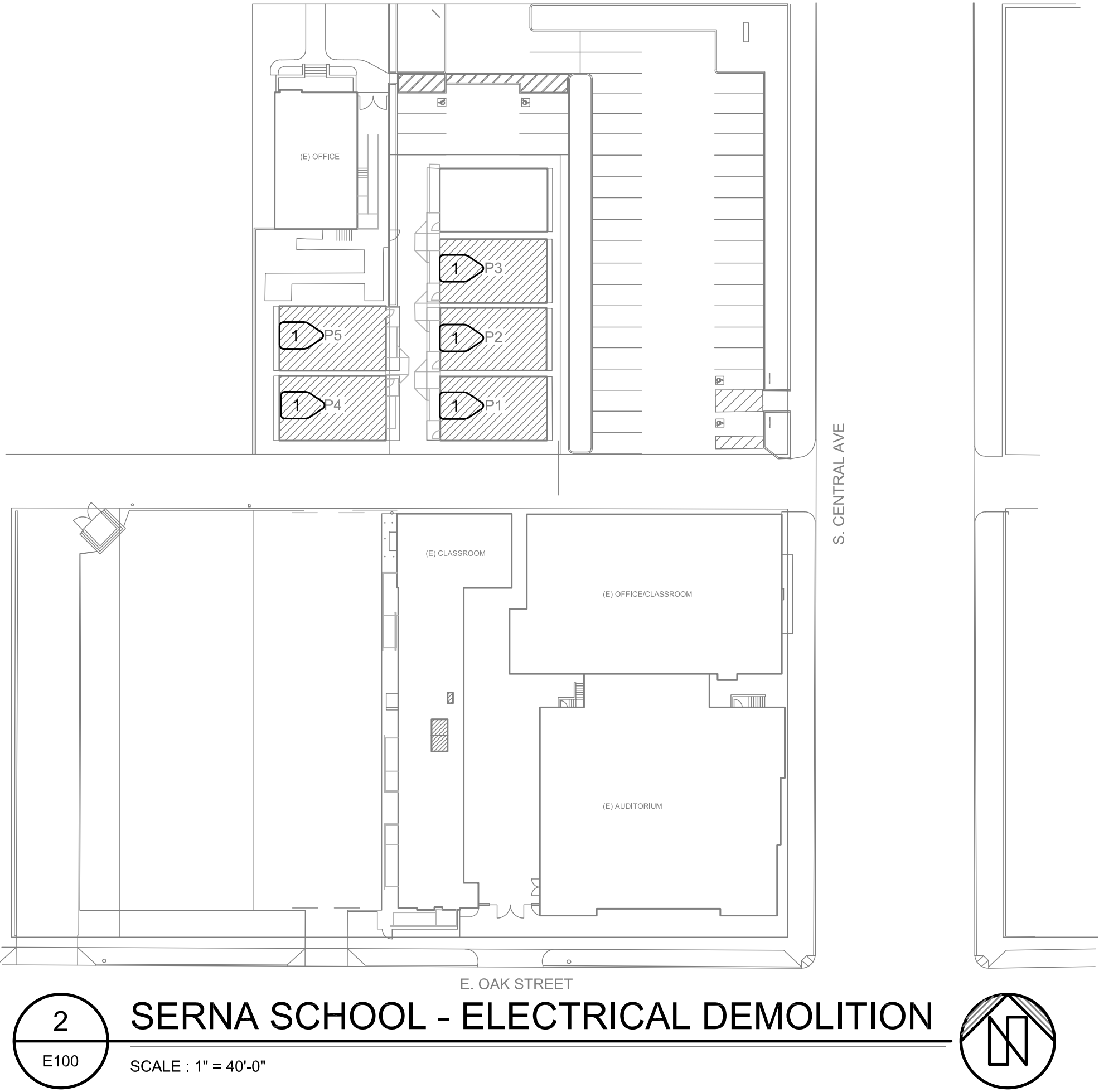
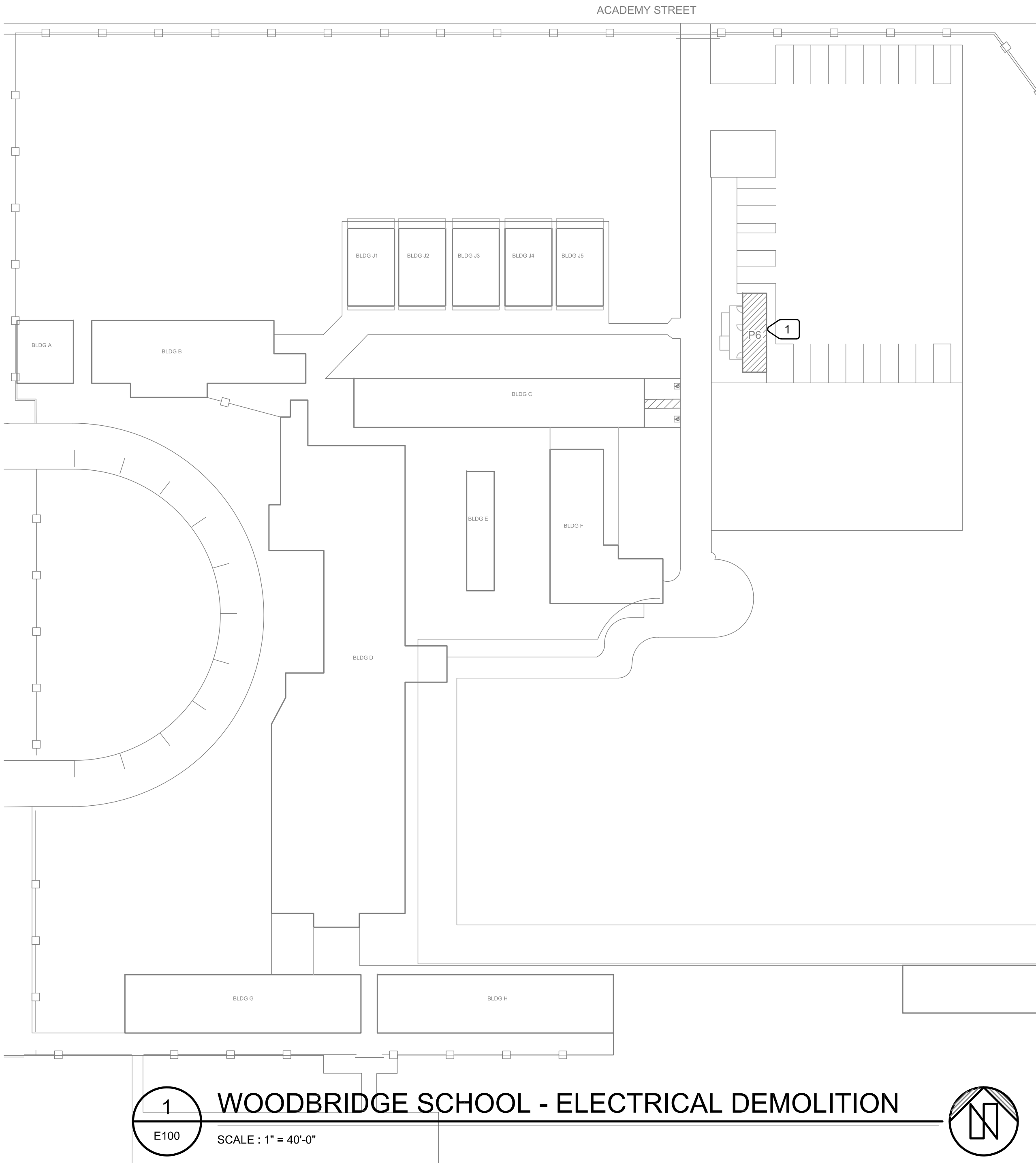
Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-10 Section 13.3 as defined in ASCE 7-10 Section 13.6.5.6, 13.6.7, 13.6.8, and 2016 CBC, Sections 1616A.1.24, 1616A.1.25 and 1616A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., SMACNA or OSHPD OPM), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

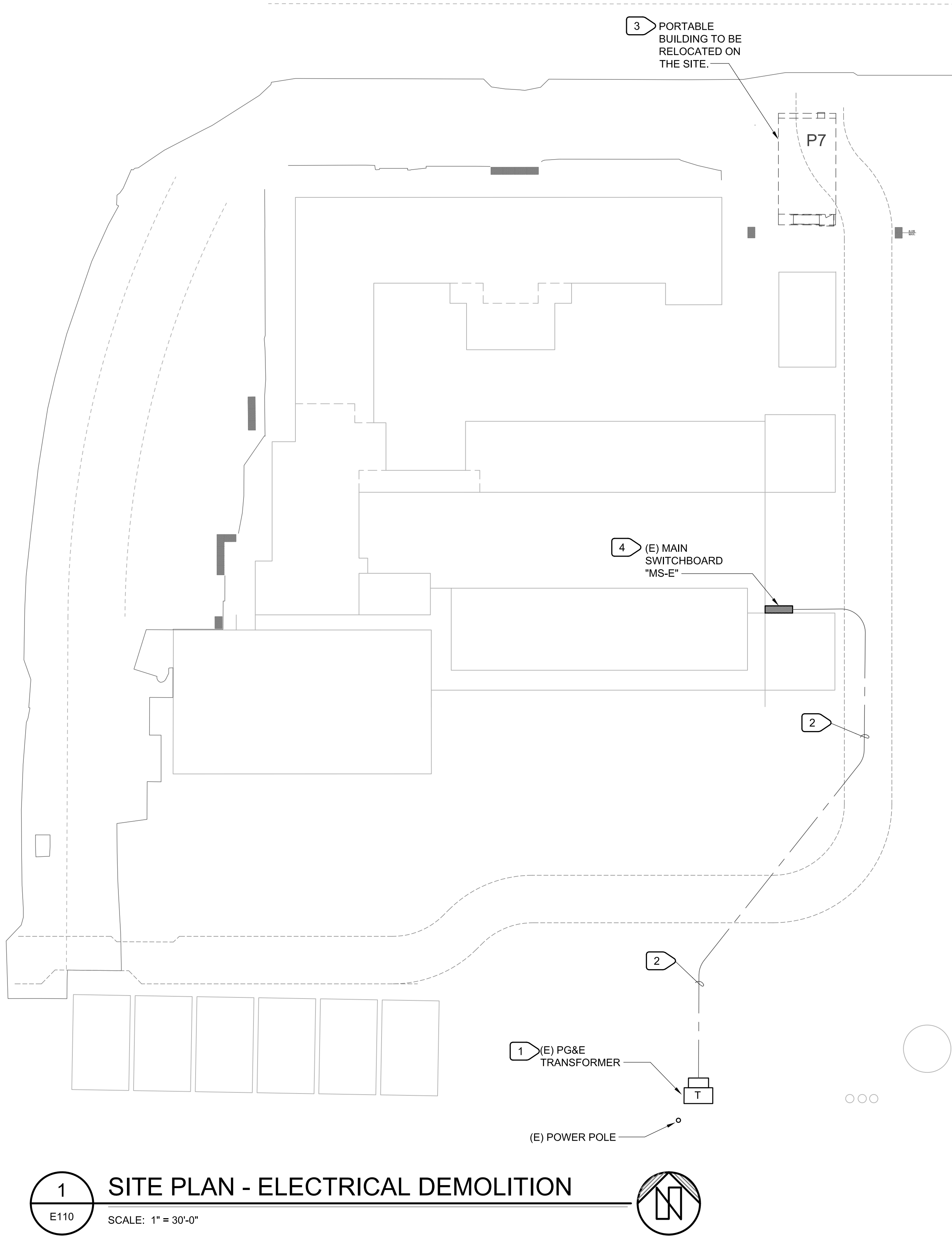
MP ☐ MD ☐ PP ☒ E ☒ - Option 1: Detailed on the approved drawings with project specific notes and details.

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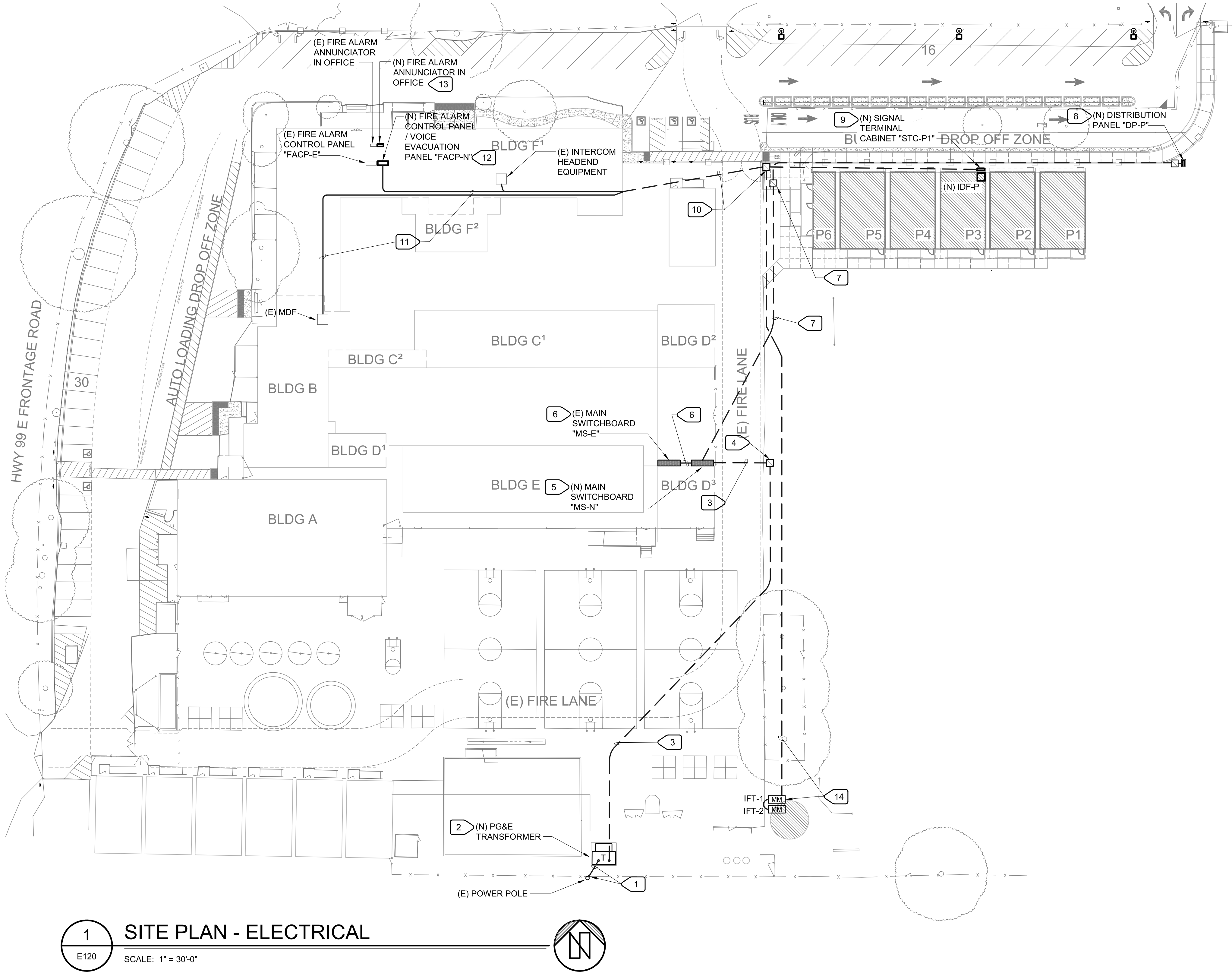
- NUMBERED NOTES:
- 1 PORTABLE TO BE RELOCATED TO HOUSTON SCHOOL. DISCONNECT POWER AND REMOVE BACK TO SOURCE. REMOVE LOW VOLTAGE SITE CABLES AND REMOVE BACK TO SOURCE. INSURE THAT REMAINING BUILDINGS ARE OPERATIONAL. PROVIDE ALL NECESSARY APPURTENANCE TO KEEP EXISTING REMAINING BUILDINGS OPERATIONAL. INSURE EXISTING CIRCUITS CONTINUITY. REMOVE ALL EXPOSED CONDUITS 2" BELOW GRADE AND CAP. PROVIDE AS-BUILTS OF CAPPED CONDUITS.

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- NUMBERED NOTES:
- 1 (E) PG&E TRANSFORMER. THE CONTRACTOR SHALL COORDINATE REMOVAL OF TRANSFORMER WITH PG&E. REMOVE (E) PAD, AND PREPARE TO PROVIDE (N) PAD PER PG&E REQUIREMENTS.
 - 2 (E) SECONDARY SERVICE CONDUIT ROUTE. THE CONTRACTOR SHALL COORDINATE REMOVAL OF SERVICE CONDUCTORS WITH PG&E. CAP (E) CONDUITS, NOTE EXACT ROUTE ON AS-BUILTS. PROTECT THESE CONDUITS FOR FUTURE USE.
 - 3 DISCONNECT (E) POWER SERVICE TO PORTABLE CLASSROOM. REMOVE CONDUCTORS BACK TO SOURCE. DISCONNECT (E) LOW VOLTAGE SERVICES TO PORTABLE. INSURE THAT REMAINING BUILDINGS ON THE SITE ARE NOT AFFECTED BY REMOVAL OF THE PORTABLE. PROVIDE NECESSARY APPURTENANCES TO KEEP REMAINING BUILDINGS OPERATIONAL.
 - 4 PROTECT (E) MAIN SWITCHBOARD. (E) SWITCHBOARD MAIN CKT. BRKR. AND DISTRIBUTION SECTION SHALL REMAIN. PROTECT GROUNDING/BONDING AND PREPARE TO CONNECT TO (N) SWITCHBOARD. COORDINATE REMOVAL OF PG&E METER. PROTECT PULL SECTION ENCLOSURE AND PREPARE TO USE AS BACK FEED JUNCTION BOX. (E) SWITCHBOARD SHALL BE FED FROM (N) SWITCHBOARD AS SHOWN ELSEWHERE ON THESE PLANS.

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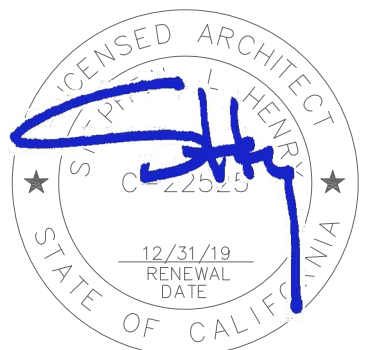


NUMBERED NOTES:

- (1) 5"C.O. FOR PG&E PRIMARY. PROVIDE RISER ON POWER POLE PER PG&E REQUIREMENTS.
- PROVIDE (N) PAD FOR TRANSFORMER. PROVIDE 106" X 90" IIE PAD AND APPURTENANCES PER PG&E DOCUMENT #045292 (PG&E GREEN BOOK).
- (5) 5"C.O. FOR PG&E SECONDARY. SAW CUT AND PATCH ASPHALT PER ARCHITECT'S INSTRUCTIONS. RUN CONDUITS MAKING LONG SWEEPS. COORDINATE EXACT ROUTE WITH PG&E.
- PROVIDE PULLBOX PER PG&E REQUIREMENTS. IF THE PULLBOX IS LOCATED INTO FIRE LANE PROVIDE MINIMUM H-20 TRAFFIC RATED BOX. COORDINATE EXACT REQUIREMENTS WITH PG&E.
- (N) MAIN SWITCHBOARD, PROVIDE PAD PER DETAIL 1/E500. REFER TO SWITCHBOARD ELEVATION, SCHEDULE, AND ONE LINE DIAGRAM - POWER FOR REQUIREMENTS.
- CONNECT (E) SWITCHBOARD TO (N) SWITCHBOARD. REMOVE METERING SECTION. ADJUST AS REQUIRED. REFER TO ONE LINE DIAGRAM - POWER AND DEMOLITION PLAN.
- REFER TO ONE LINE DIAGRAM - POWER FOR CONDUIT/CONDUCTORS, PULLBOX, AND ADDITIONAL REQUIREMENTS.
- PROVIDE PAD PER DETAIL 2/E500. REFER TO ONE LINE DIAGRAM - POWER FOR PANEL REQUIREMENTS.
- PROVIDE METAL ENCLOSURE NEMA 3R WITH LOCKABLE HINGED DOOR 24" X 36" X 8". PROVIDE PLYWOOD BACKBOARD INSIDE. TERMINATE FIRE ALARM AND INTERCOM SITE CABLING AT PLYWOOD BACKBOARD. RUN (N) FIBER OPTIC CABLE THROUGH CABINET TO (N) IDF-P. REFER TO DETAIL 6/E500 FOR MOUNTING.
- HIDDEN LINE REPRESENT U.G. CONDUIT RUN. REFER TO SIGNAL RISER DIAGRAM FOR CONDUITS / CONDUCTORS. SAW CUT AND PATCH ASPHALT PER ARCHITECT'S INSTRUCTIONS.
- CONTINUOUS LINE REPRESENT CONDUIT RUN IN BUILDING CRAWL SPACE. REFER TO SIGNAL RISER DIAGRAM FOR CONDUITS / CONDUCTORS.
- THERE IS EXISTING SMOKE DETECTOR IN THE ROOM WHERE EXISTING FIRE ALARM CONTROL PANEL IS LOCATED. MOUNT NEW FIRE ALARM CONTROL PANEL ADJACENT TO THE EXISTING FIRE ALARM CONTROL PANEL. MOUNT PER DETAIL 6/E500.
- ANNUNCIATOR MOUNT TO STANDARD ELECTRICAL BOX. ANNUNCIATOR WEIGHT LESS THAN 5LB.
- PROVIDE FOR WATER LEVEL MONITORING. ONE MONITOR MODULE FOR LOW OTHER FOR HIGH LEVEL. COORDINATE WITH FIRE PROTECTION PLANS. REFER TO FIRE ALARM RISER DIAGRAM FOR WIRING, REFER TO SIGNAL RISER DIAGRAM FOR CONDUIT.

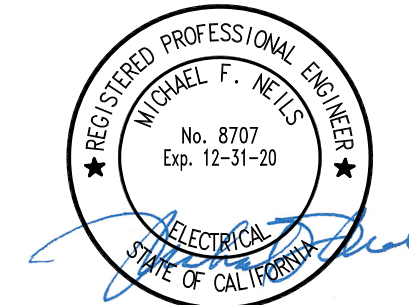
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730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL
SITE PLAN - ELECTRICAL

CONSULTANT



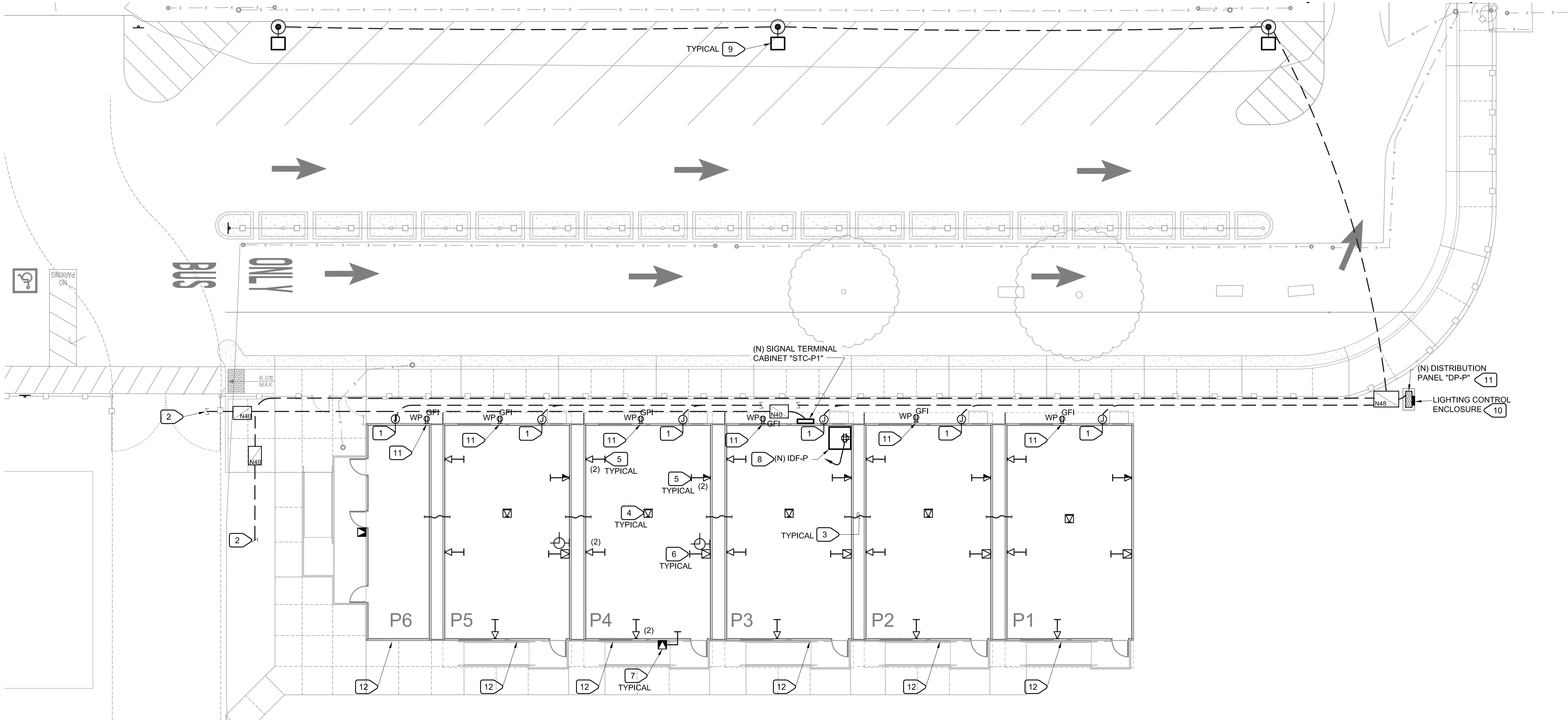
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SHEET NO.

E120

OF 102 SHEETS

UNAUTHORIZED CHANGES & USES: M. Neils Engineering, Inc. preparing these plans will not be responsible for, or liable for unauthorized changes to or uses to these plans. All changes to these plans must be in writing and must be approved by M. Neils Engineering, Inc.



NOTE: COORDINATE EXACT DEVICES LOCATION WITH THE ARCHITECT BEFORE ROUGH IN.

1 PARTIAL SITE PLAN - ELECTRICAL

SCALE: 1" = 10'-0"

SIGNAL CABLE SCHEDULE			
TYPE	CABLE DESCRIPTION AND USE	MANUFACTURER & CATALOG NO.	REMARK NOTE No.
A	CAT 6 CABLE, (4) PAIR, TWISTED, UNSHIELDED, 23AWG - DATA AND VOICE CABLE	SUPERIOR ESSEX CMR 77-246-xA	① ② ③
B	3#14AWG, SOLID WIRE - CLOCK POWER AND SYNCHRONIZATION	WEST PENN - 25236B (PLENUM) WEST PEN - 236 (CONDUIT)	③
C	4#22, SOLID WIRE, (2) SHIELDED, (2) UNSHIELDED - INTERIOR SPEAKER	WEST PENN - 25357B (PLENUM) WEST PEN - 357 (CONDUIT)	③
D	2#20, SOLID WIRE SHIELDED - EXTERIOR SPEAKER	WEST PENN - 25292B (PLENUM) WEST PEN - 292 (CONDUIT)	③
E	12 STRAND MULTIMODE 50/125, FIBER OPTIC CABLE	EQUAL TO EXISTING OR 100% COMPATIBLE WITH (E) LAN	
F	3#12THHN, SOLID WIRE - CLOCK POWER AND SYNCHRONIZATION - SITE TRUNK		
G	4#22 STRANDED, TWISTED, ONE PAIR SHIELDED, AQUASEAL CABLE - INTERIOR SPEAKER SITE TRUNK	WEST PENN - AQC357	
H	2#20 STRANDED, TWISTED, SHIELDED AQUASEAL CABLE - EXTERIOR SPEAKER SITE TRUNK	WEST PENN - AQC292	
SIGNAL CABLE SCHEDULE REMARK NOTES:			
① x = JACKET COLOR - COORDINATE WITH THE OWNER			
② PROVIDE FOR BOTH, DATA AND VOICE.			
③ WHEN RUN IN FREE AIR (ABOVE CEILING), PROVIDE PLENUM RATED.			

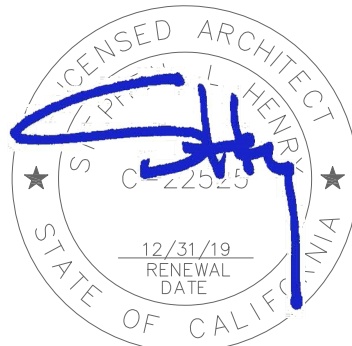
NUMBERED NOTES:

- CONNECT PANEL PROVIDED WITH PORTABLE. FIELD VERIFY EXACT REQUIREMENTS.
- REFER TO SITE PLAN FOR CONTINUATION.
- PROVIDE (2) 2"C FOR DATA AND COMMUNICATIONS, AND (2) 1"C FOR FIRE ALARM AND FUTURE INTRUSION ALARM. SPAN SPACE BETWEEN CLASSROOM USING SEALTIGHT FLEX CONDUITS. FLEX CONDUITS TO ALLOW 4" OF HORIZONTAL MOVEMENT IN ANY DIRECTION.
- PROVIDE FOR WIRELESS ACCESS POINT, MOUNT AT CEILING. RUN 1A CABLE FROM OUTLET TO IDF-P.
- STUB 3/4"C INTO ACCESSIBLE ATTIC SPACE. RUN 2A CABLES FROM JACKS TO IDF-P.
- STUB 3/4"C INTO ACCESSIBLE ATTIC SPACE. RUN 1C AND 1B FROM SPEAKER / CLOCK TO STC-P.
- STUB 3/4"C INTO ACCESSIBLE ATTIC SPACE. RUN 1D FROM SPEAKER TO STC-P.
- MOUNT IDF ENCLOSURE HIGH ON THE WALL, SUCH THAT TOP OF ENCLOSURE IS 2" BELOW CEILING. REFER TO 7/E500 FOR MOUNTING. PROVIDE FOURPLEX RECEPTACLE INSIDE IDF ENCLOSURE. PROVIDE 20/1 CKT. BRKR. IN BUILDING PANEL, AND CONNECT RECEPTACLE TO THAT CKT. BRKR. USING 1/2"C-2#12, 1#12G. COORDINATE EXACT LOCATION OF IDF WITH THE ARCHITECT BEFORE ROUGH IN.
- PROVIDE GARDCO ECF-S-32L-530-NW-G2-AR-208-CE30. PROVIDE 20' HIGH SQUARE STEEL POLE. THE ARCHITECT TO CHOSE COLOR FROM STANDARD FINISHES. MOUNT POLE PER DETAIL 5/E500.
- PROVIDE ASTRONOMICAL LIGHTING CONTROL HOUSED IN LOCKABLE NEMA 3R ENCLOSURE. THE CONTROL SHALL CONSIST OF MIN. SUNRISE/SUNSET ON/OFF, 100 HOUR BATTERY BACKUP, 28 ON/OFF PROGRAMMABLE EVENTS; PROVIDE INTERMATIC ET8415CR, OR SIMILAR. MOUNT ON SIDE OF DISTRIBUTION PANEL "DP-P".
- PROVIDE GFI RECEPTACLE IN WEATHER PROTECTED, WHILE-IN-USE ENCLOSURE AND MOUNT ON EXTERIOR WALL FOR HVAC UNIT MAINTENANCE (MAX. 25' FROM THE HVAC UNIT). PROVIDE (N) 20/1 CKT. BRKR. AND CONNECT RECEPTACLE TO THAT CKT. BRKR. USING 1/2"C-2#12, 1#12G.
- PROVIDE GROUNDING FOR EACH (N) BUILDING AS SHOWN ON 1/E001.

M. NEILS ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-6217
www.mneilsengineering.com
Tel: (916) 923-4400 Fax: (916) 923-4410
PROJECT #: 18120.21

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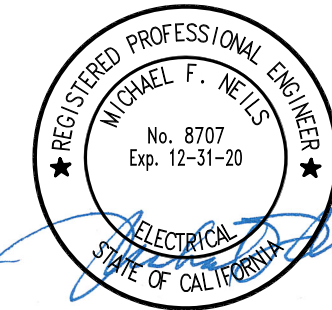
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Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

PARTIAL SITE PLAN -
ELECTRICAL

CONSULTANT

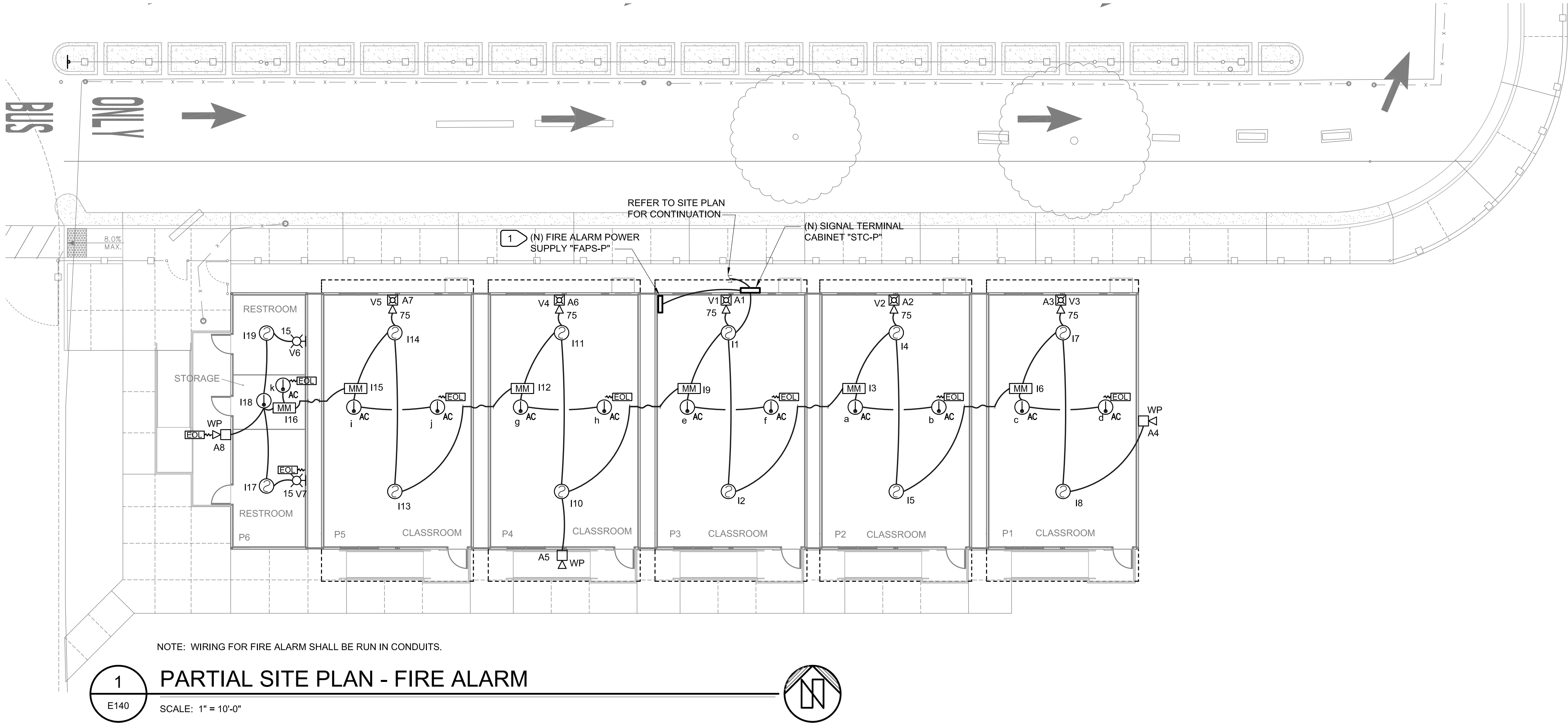


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1" = 10'-0"		
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SHEET NO.

E130

OF 102 SHEETS



NOTE: WIRING FOR FIRE ALARM SHALL BE RUN IN CONDUITS.

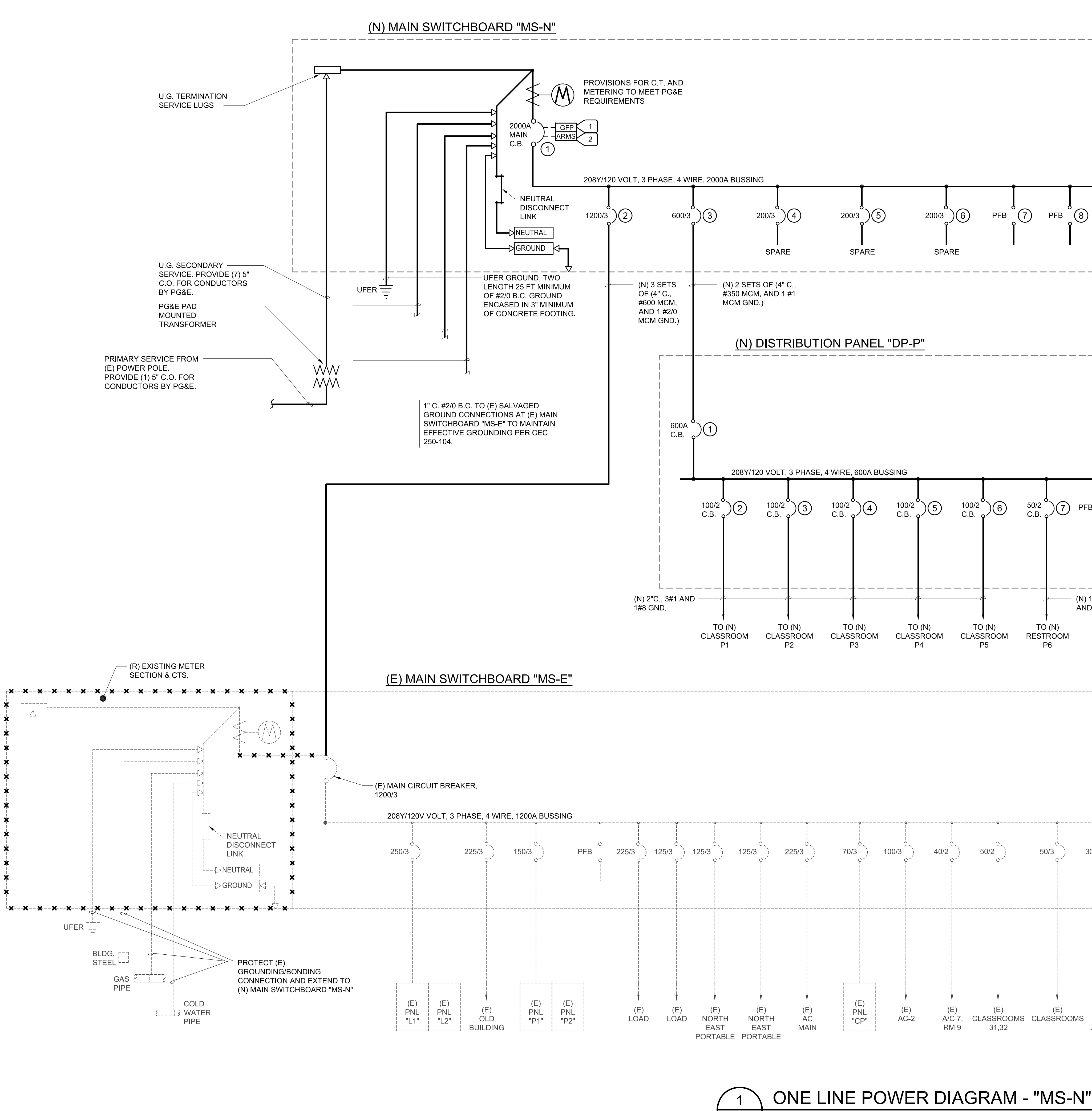
1 PARTIAL SITE PLAN - FIRE ALARM
E140 SCALE: 1" = 10'-0"

NUMBERED NOTES:

- 1 PROVIDE LOCKABLE 20/1 CKT. BRKR. WITH RED HANDLE, IN BUILDING PANEL, AND CONNECT POWER FOR FIRE ALARM POWER SUPPLY TO THAT CKT. BRKR. USING 1/2"C-2#12, 1#12G. UPDATE PANEL DIRECTORY. PROVIDE NAMEPLATE ON THE PANEL TO READ "FIRE ALARM EQUIPMENT CIRCUIT BREAKER IN THIS PANEL". MOUNT FIRE ALARM POWER SUPPLY HIGH ON WALL, SUCH THAT TOP OF ENCLOSURE IS 2" BELOW CEILING. COORDINATE EXACT LOCATION WITH THE ARCHITECT BEFORE ROUGH IN. REFER TO 6/E500 FOR MOUNTING.

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- NUMBERED NOTES
- 1 PROVIDE GROUND FAULT PROTECTION FOR MAIN CIRCUIT BREAKER PER CEC 230.95.
 - 2 PROVIDE ARC FLASH REDUCTION MAINTENANCE SWITCH (ARMS) PER CEC 240.87 WITH A SEPARATE BLUE LIGHT AND ON/OFF SWITCH ON THE SWITCHBOARD COVER. PROVIDE OPERATION INSTRUCTIONS MOUNTED TO THE FRONT OF THE SWITCHBOARD.

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730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES
ARCHITECTS

INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

ONE-LINE DIAGRAM - POWER

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
MICHAEL F. NEILS
No. 8707
Exp. 12-31-20
ELECTRICAL
STATE OF CALIFORNIA

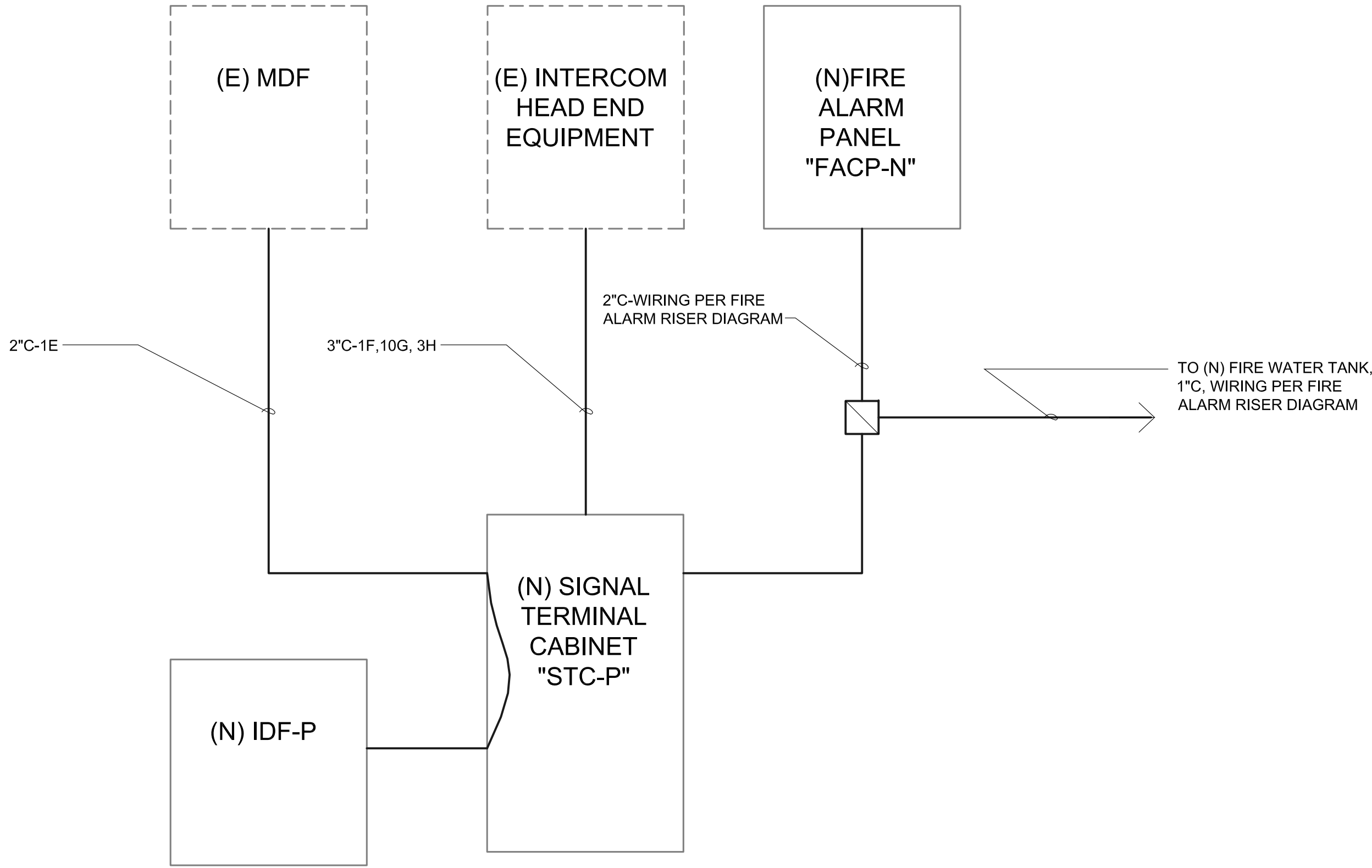
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SHEET NO.

E300

OF 102 SHEETS

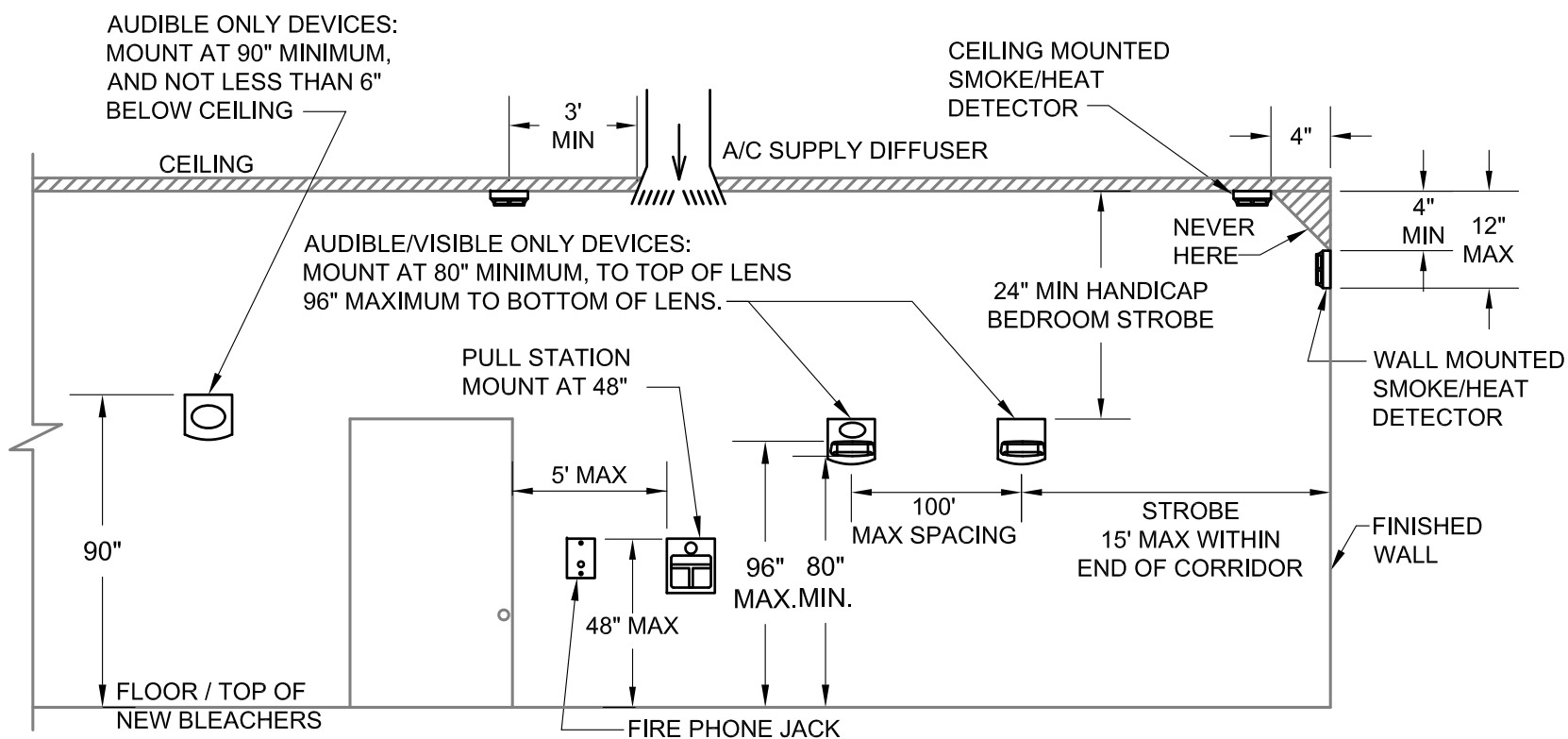
M. NEILS
ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-6217
www.mneilsengineering.com
Tel: (916) 923-4400 Fax: (916) 923-4410
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1 SIGNAL RISER DIAGRAM
E310 NO SCALE

SIGNAL CABLE SCHEDULE			
TYPE	CABLE DESCRIPTION AND USE	MANUFACTURER & CATALOG NO.	REMARK NOTE No.
A	CAT 6 CABLE, (4) PAIR, TWISTED, UNSHIELDED, 23AWG - DATA AND VOICE CABLE	SUPERIOR ESSEX CMR 77-246-xA	①②③
B	3#14AWG, SOLID WIRE - CLOCK POWER AND SYNCHRONIZATION	WEST PENN - 25236B (PLENUM) WEST PEN - 236 (CONDUIT)	③
C	4#22, SOLID WIRE, (2) SHIELDED, (2) UNSHIELDED - INTERIOR SPEAKER	WEST PENN - 25357B (PLENUM) WEST PEN - 357 (CONDUIT)	③
D	2#20, SOLID WIRE SHIELDED - EXTERIOR SPEAKER	WEST PENN - 25292B (PLENUM) WEST PEN - 292 (CONDUIT)	③
E	12 STRAND MULTIMODE 50/125, FIBER OPTIC CABLE	EQUAL TO EXISTING OR 100% COMPATIBLE WITH (E) LAN	
F	3#12THHN, SOLID WIRE - CLOCK POWER AND SYNCHRONIZATION - SITE TRUNK		
G	4#22 STRANDED, TWISTED, ONE PAIR SHIELDED, AQUASEAL CABLE - INTERIOR SPEAKER SITE TRUNK	WEST PENN - AQC357	
H	2#20 STRANDED, TWISTED, SHIELDED AQUASEAL CABLE - EXTERIOR SPEAKER SITE TRUNK	WEST PENN - AQC292	
SIGNAL CABLE SCHEDUL REMARK NOTES:			
① x = JACKET COLOR - COORDINATE WITH THE OWNER			
② PROVIDE FOR BOTH, DATA AND VOICE.			
③ WHEN RUN IN FREE AIR (ABOVE CEILING), PROVIDE PLENUM RATED.			

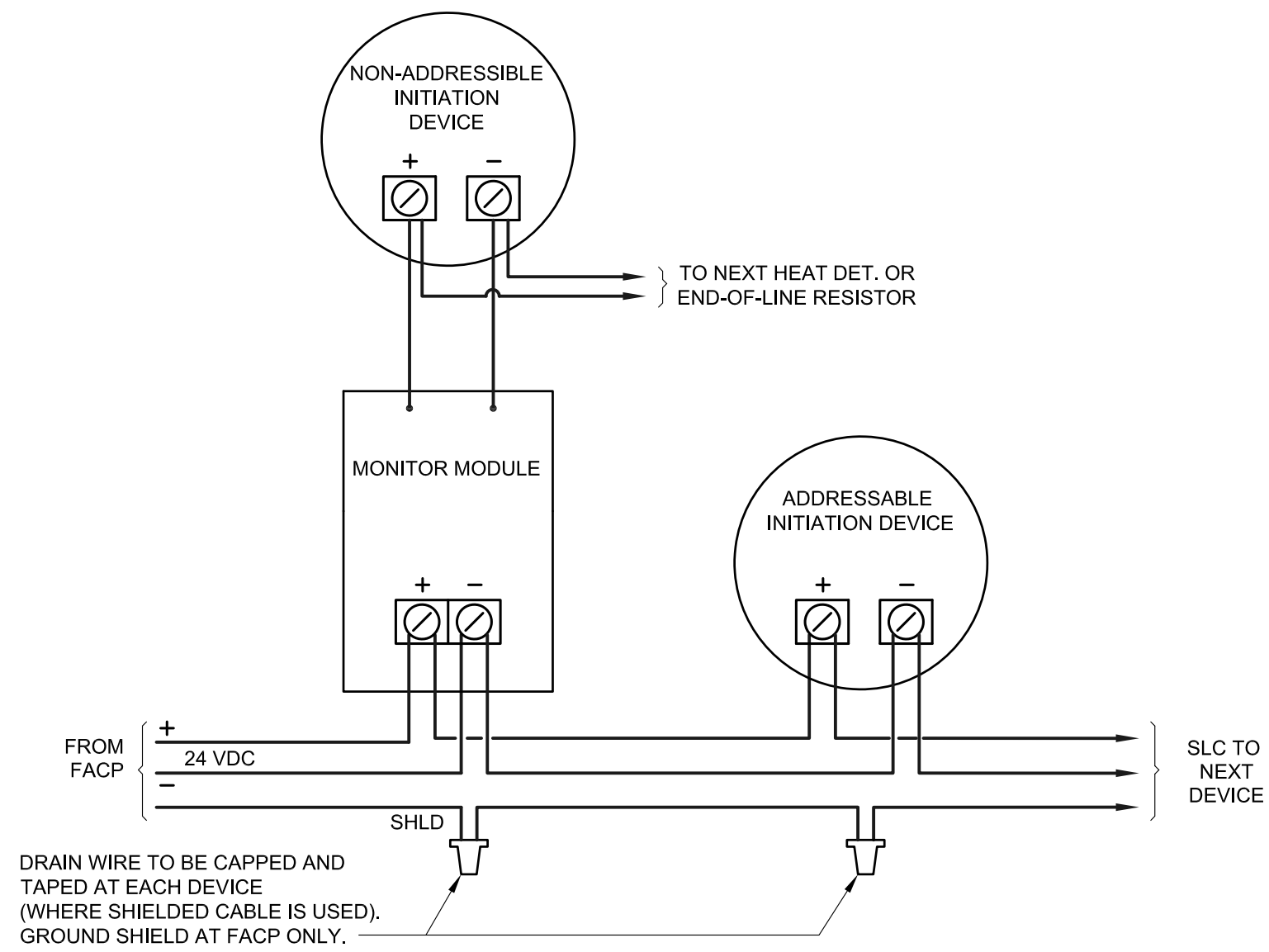
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TYPICAL INITIATION AND NOTIFICATION

1 APPLIANCE ELEVATION DETAIL

E400 NO SCALE



NOTE:
DIAGRAM IS GENERIC THEREFORE CONTRACTOR SHALL COORDINATE WORK FOR SPECIFIC DEVICES USED.
REFER TO MANUFACTURER INFORMATION FOR TYPE OF CABLE, MAX. LENGTH, T-TAPING, GROUNDING, ETC.

2 FIRE ALARM DEVICES DIAGRAM

E400 N.T.S.

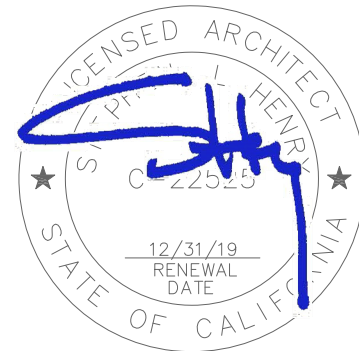
FIRE ALARM SEQUENCE OF OPERATION MATRIX									
	FACP ALARM	FACP TROUBLE	FACP SUPERVISORY	ALARM SIGNAL OFF-SITE	TRouble SIGNAL OFF-SITE	SUPERVISORY OFF-SITE	ACTIVATE AUDIO/VISUAL THROUGHOUT	ALARM RECEIPT CAPABILITY DURING ABNORMAL CONDITIONS	ANNUNCIATE ALARM AT REMOTE ANNUNCIATOR
AREA SMOKE DETECTORS	X			X			X		X
HEAT DETECTORS	X			X			X		X
FIRE TANK WATER LEVEL			X			X			
POWER FAILURE		X		X					X
NOTIFICATION CIRCUIT CLASS B									
OPEN WIRE		X		X					
GROUNDING WIRE		X		X				R	
SHORTED WIRES		X		X					
SIGNALING LINE CIRCUIT CLASS B									
OPEN WIRE		X		X					
GROUNDING WIRE		X		X				R	
WIRE TO WIRE (SHORT & OPEN)		X		X					
WIRE TO WIRE (SHORT & GROUND)		X		X					
OPEN & GROUND		X		X					
LOSS OF CARRIER		X		X					
NOTE: BLANK MEANS NOT APPLICABLE					R = REQUIRED ACTION				

FIRE ALARM GENERAL NOTES

- ADD NEW FIRE ALARM CONTROL PANEL WITH VOICE EVACUATION CAPABILITIES.
- CONNECT NEW FIRE ALARM CONTROL PANEL TO EXISTING FIRE ALARM CONTROL PANEL SUCH THAT TWO PANELS WORK SIMULTANEOUSLY. FIRE ALARM CONDITION ON ANY PANEL SHALL TRIGGER ALL NOTIFICATION DEVICES THROUGH THE CAMPUS.
- (N) FIRE ALARM CONTROL PANEL SHALL BE CAPABLE OF AUTOMATICALLY TESTING SMOKE DETECTORS AND PRINTING A REPORT OF THE TEST.
- (E) FIRE ALARM CONTROL PANEL INCLUDES AUTOMATIC DIALING CAPABILITY FOR SENDING A SUPERVISORY SIGNAL, A TROUBLE SIGNAL, AND AN ALARM SIGNAL TO AN APPROVED SUPERVISING OFF-SITE MONITORING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATIONS SHALL BE LISTED AS EITHER UJFX (CENTRAL STATION) OR UJUS (REMOTE AND PROPRIETARY) BY UL OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. DIALER SHALL BE CAPABLE OF "GRABBING" A PHONE LINE FOR AN ALARM SIGNAL IF PHONE LINE IS ALREADY IN USE.
- UPON COMPLETION OF FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE WITH THE LOCAL FIRE MARSHALL AND THE PROJECT INSPECTOR OF RECORD AS WITNESSES.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, CALIFORNIA ELECTRICAL CODE, ARTICLE 760, AND THE CALIFORNIA FIRE CODE.
- ADDITION TO THE FIRE ALARM SYSTEM SHALL HAVE AUTOMATIC INITIATION DEVICES, AND FULL COVERAGE.
- PROVIDE "FIRE WATCH" DURING CONSTRUCTION WHEN EXISTING FIRE ALARM SYSTEM IF TURNED OFF, OR OFF LINE.
- THE FIRE ALARM WIRING SHALL BE RUN IN CONDUITS.
- DO NOT START INSTALLATION OF THE FIRE ALARM SYSTEM UNTIL DETAILED PLANS, SPECIFICATIONS AND CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DEPARTMENT OF STATE ARCHITECTS.
- PER NFPA 72 2016, SECTIONS 10.6.5.2.2 AND 10.6.5.2.3, CIRCUITS FOR FIRE ALARM SYSTEMS SHALL BE IDENTIFIED AS "FIRE ALARM / ECS CIRCUIT", AND THE DISCONNECTING MEANS FOR THE CIRCUIT SHALL HAVE A RED MARKING, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND SHALL BE MECHANICALLY PROTECTED. LOCATION OF THE DISCONNECT SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. THE CIRCUITS FOR FIRE ALARM SYSTEMS SHALL BE DEDICATED TO FIRE ALARM EQUIPMENT.
- A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM THE APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE DEPARTMENT OF STATE ARCHITECTS.
- A FIRE ALARM ACCEPTANCE TEST OF ALL DEVICES AND APPLIANCES, INCLUDING THE BACKUP BATTERY(IES), SHALL BE PERFORMED. ALL MANUFACTURER OPERATING RANGES SHALL BE MET. TESTING OF THE SUPERVISING STATION SIGNALS, AS WELL AS RELAY TO THE APPROPRIATE RESPONDING AGENCY, SHALL BE INCLUDED IN THE ACCEPTANCE TESTING. THE PROJECT INSPECTOR SHALL WITNESS THE ACCEPTANCE INSPECTION AND SHALL SIGN AS THE AHJ REPRESENTATIVE ON THE "SYSTEM RECORD OF COMPLETION" AT SECTION 12.3 (NFAP 72, FIGURE 7.8.2(a)). ALL SUPPLEMENTARY RECORDS SHALL BE ATTACHED AS APPLICABLE. THE PROJECT INSPECTOR SHALL VERIFY THAT THE FIRE ALARM SYSTEM IS IN SERVICE PRIOR TO COMPLETION OF THE "SYSTEM RECORD OF COMPLETION" FORM. ALL ORIGINAL DECANTATION SHALL BE RETAINED IN THE REQUIRED DOCUMENTATION CABINET (NFPA 72, 7.7.2).
- A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE CALIFORNIA STATE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.

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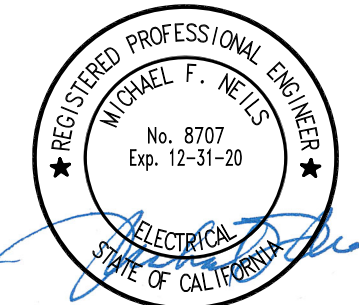
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INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

FIRE ALARM NOTES, MATRIX
AND DETAILS

CONSULTANT

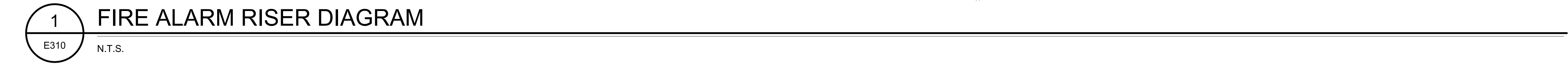


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SHEET NO.

E400

OF 102 SHEETS



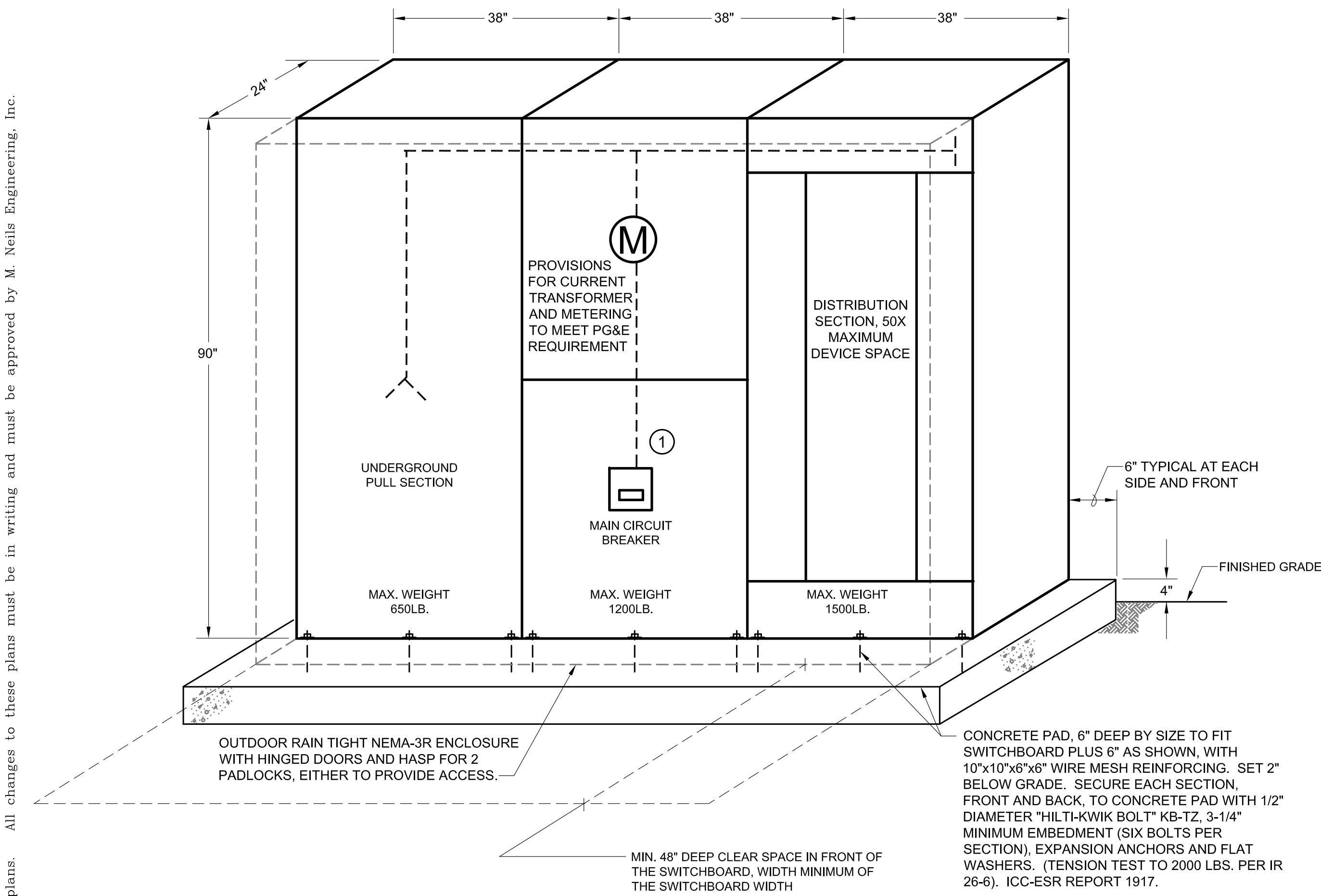
AUDIO LOSS	
SPEAKER CIRCUIT A1-A8	
<u>Audio Wiring Distance</u>	
Enter audio voltage (Vrms)	25
Enter wire gauge	12
Enter wire resistance (ohms/ft)	0.00198
Enter speaker load (in watts)	16
Enter distance (in feet)	535
dB loss	-0.2
ADJUST SPEAKERS TO 2 WATT OUTPUT	

NUMBERED NOTES

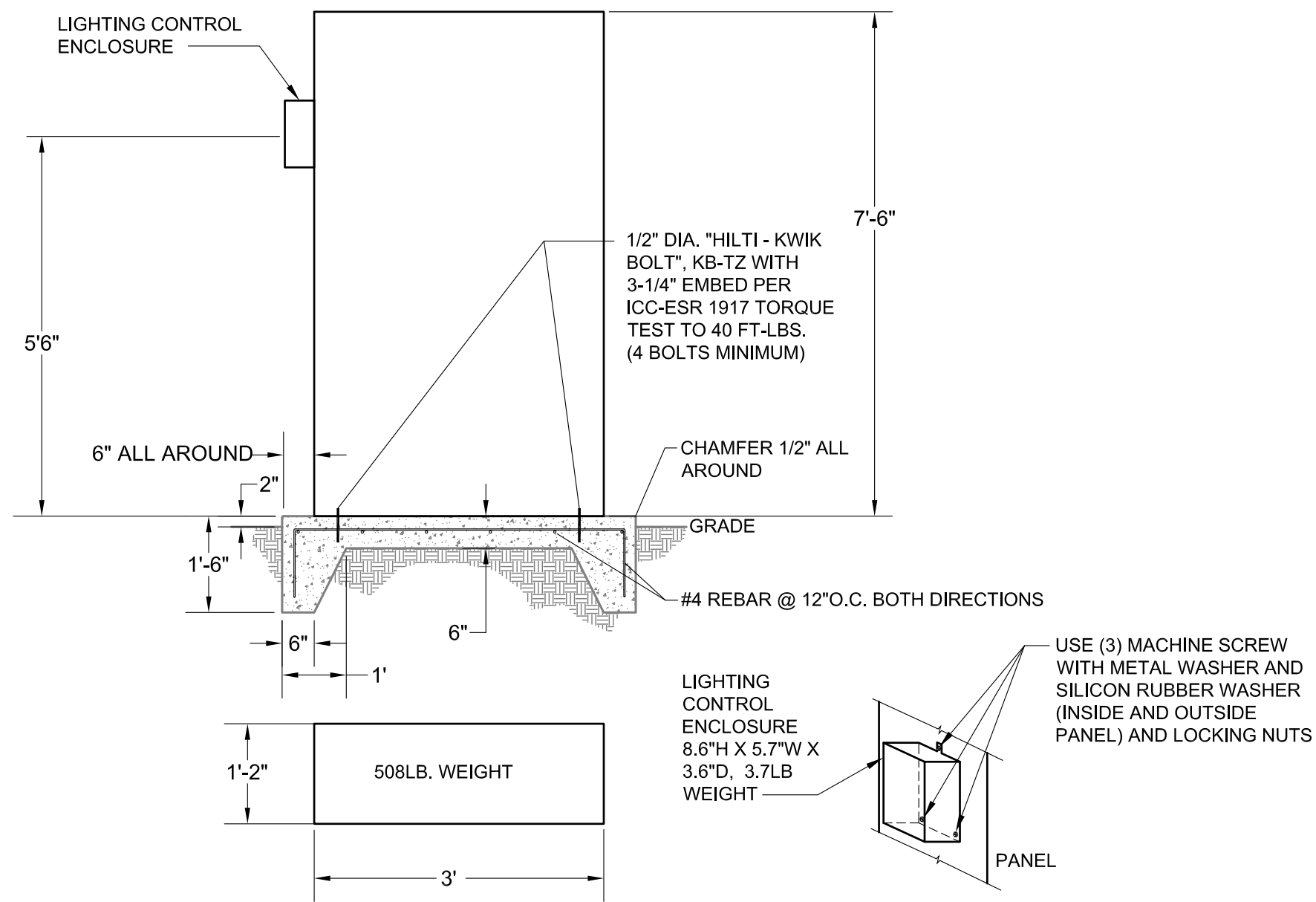
1	LOCATE (E) DEDICATED POWER FOR (E) FIRE ALARM CONTROL PANEL, AND EXTEND THAT DEDICATED POWER CKT. TO POWER (N) FIRE ALARM CONTROL PANEL. INSURE THAT (E) POWER CKT. MEET ALL REQUIREMENTS LISTED ON SHEET E400, FIRE ALARM GENERAL NOTE, NOTE #11. IF THE CKT. IS NOT IN COMPLIANCE, UPGRADE.
2	CONNECT (N) AND (E) PANELS TO WORK SIMULTANEOUSLY.
3	LOCATE (N) ANNUNCIATOR ADJACENT TO (E) ANNUNCIATOR IN THE SCHOOL OFFICE.

AUDIO LOSS	
SPEAKER CIRCUIT A1-A8	
<u>Audio Wiring Distance</u>	
Enter audio voltage (Vrms)	25
Enter wire gauge	12
Enter wire resistance (ohms/ft)	0.00198
Enter speaker load (in watts)	16
Enter distance (in feet)	535
dB loss	-0.2
ADJUST SPEAKERS TO 2 WATT OUTPUT	

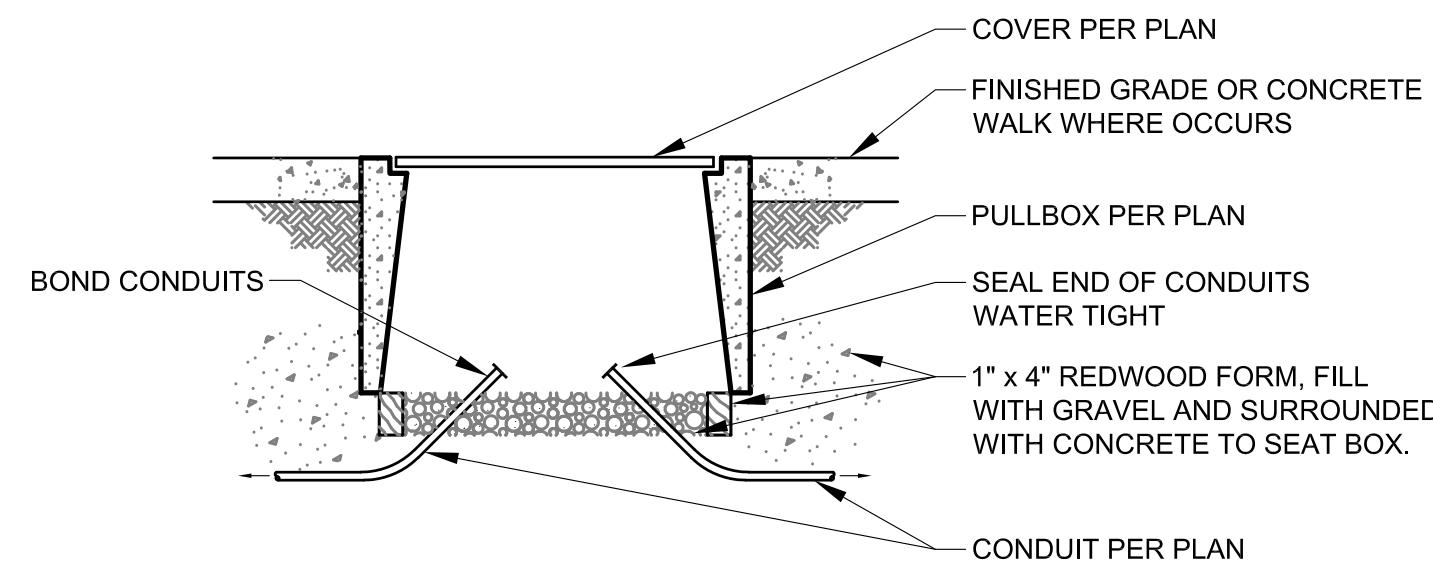
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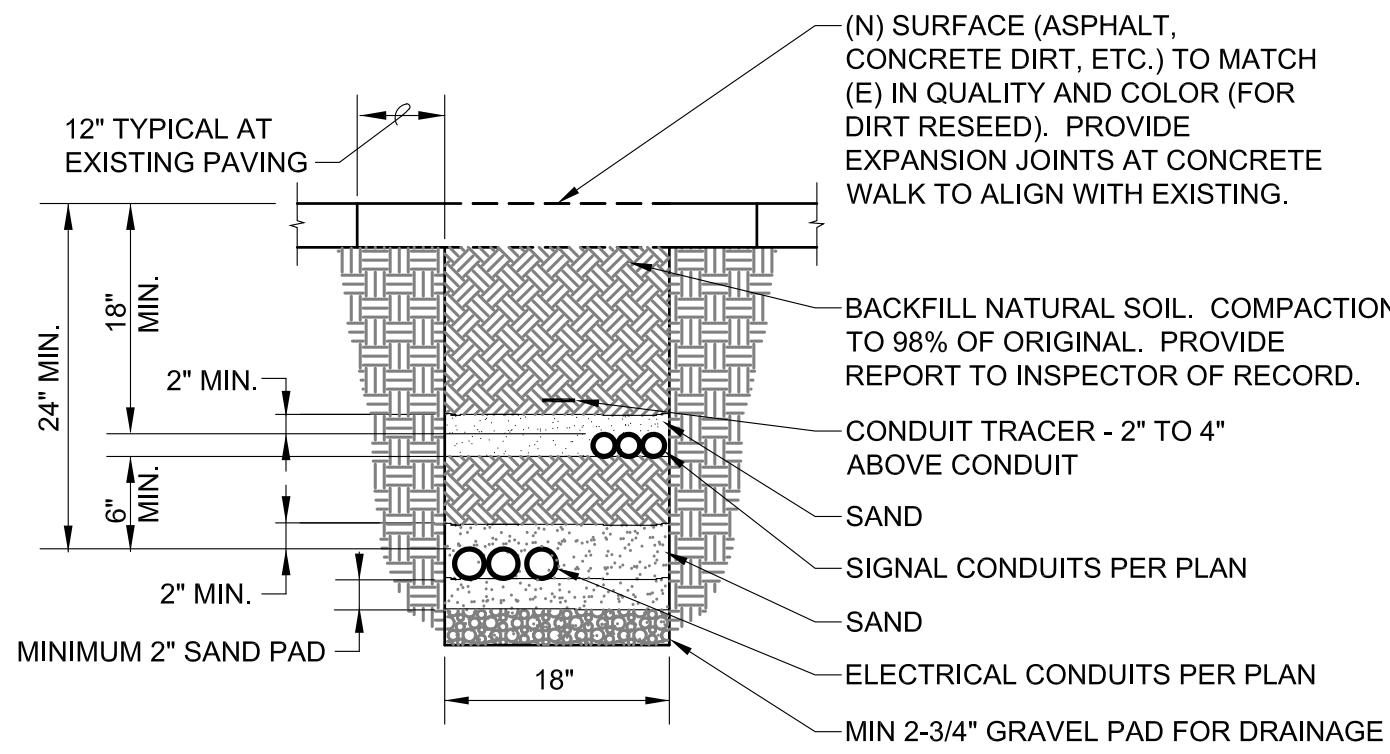
1 MAIN SWITCHBOARD "MS-N" DETAIL
E500 NO SCALE



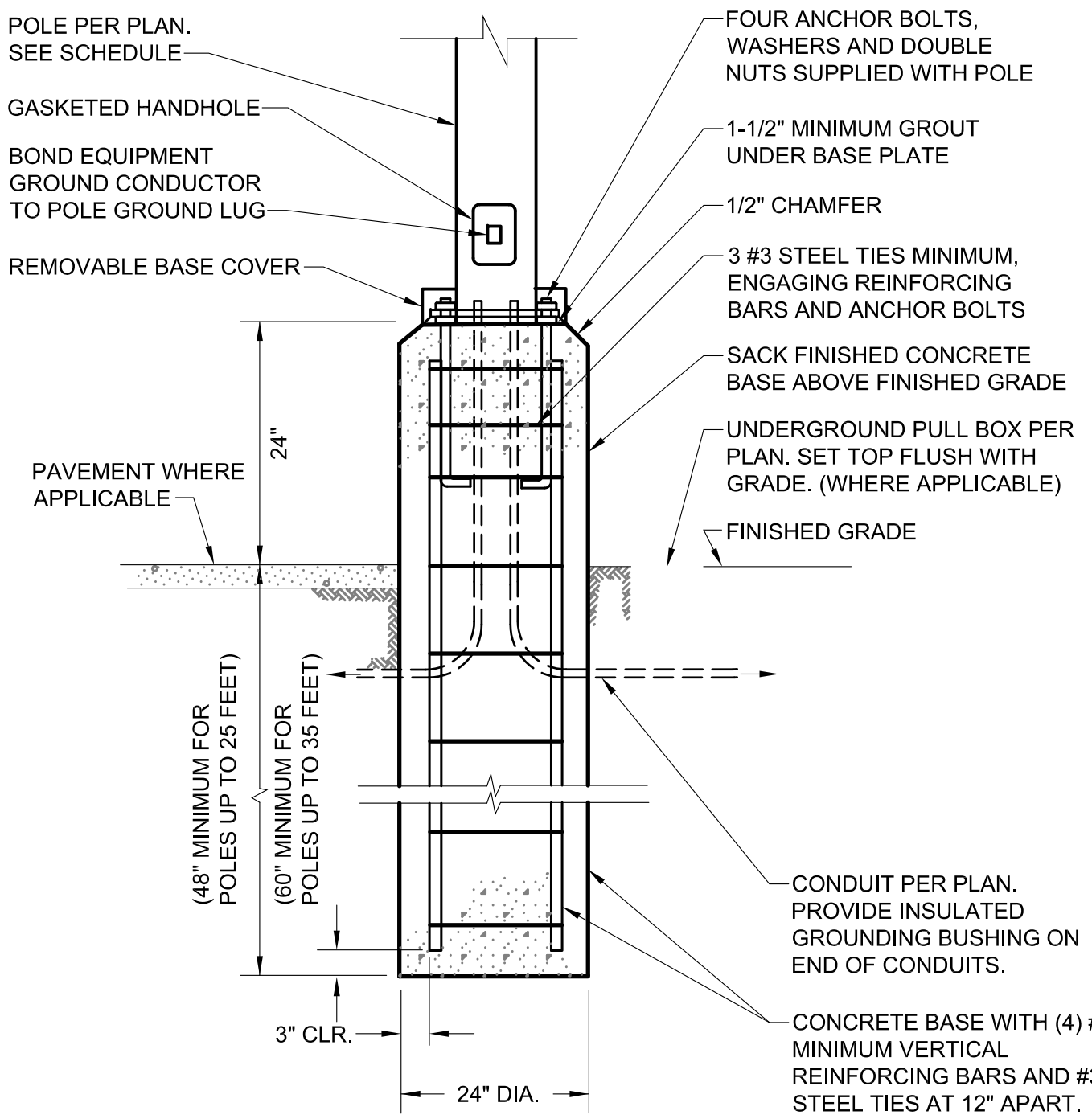
2 DISTRIBUTION PANEL "DP-P"
E500 NO SCALE



3 UNDERGROUND PULL BOX
E500 NO SCALE

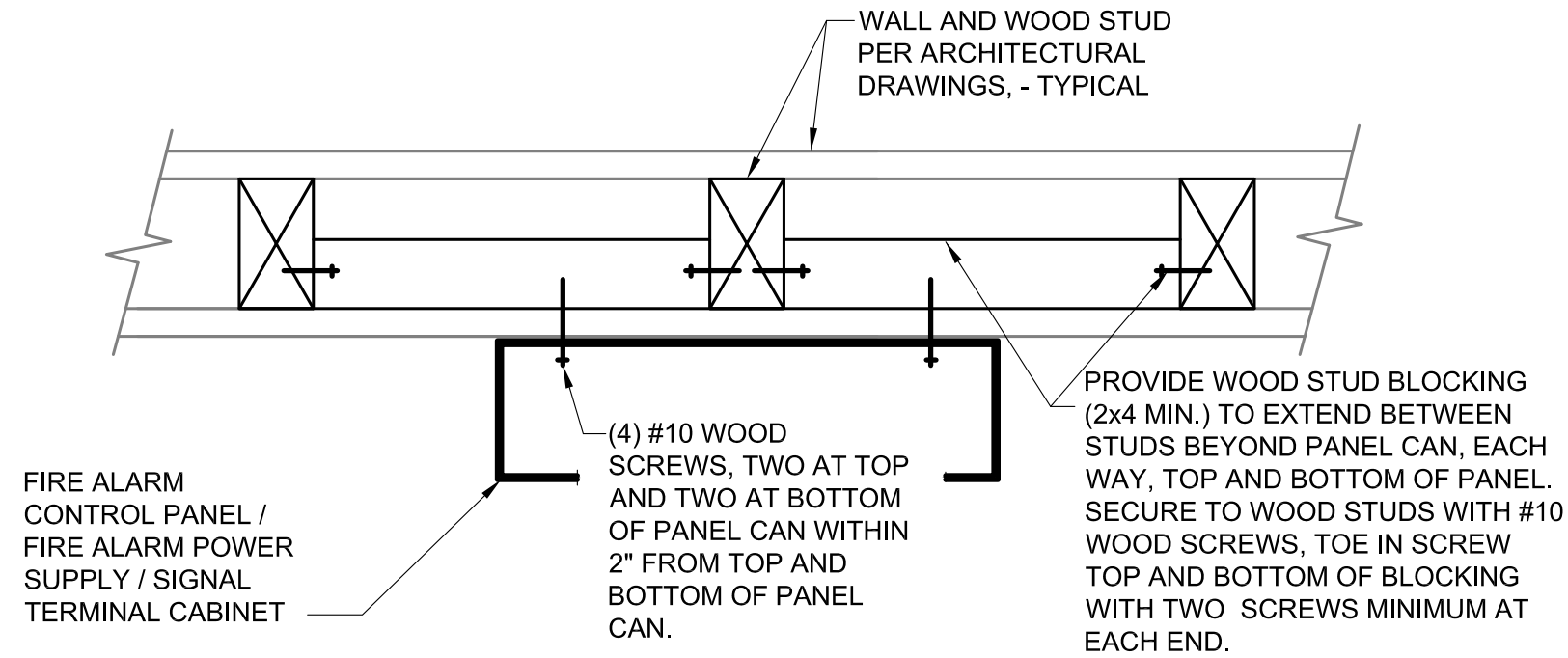


4 CONDUIT TRENCHING DETAIL
E500 NO SCALE



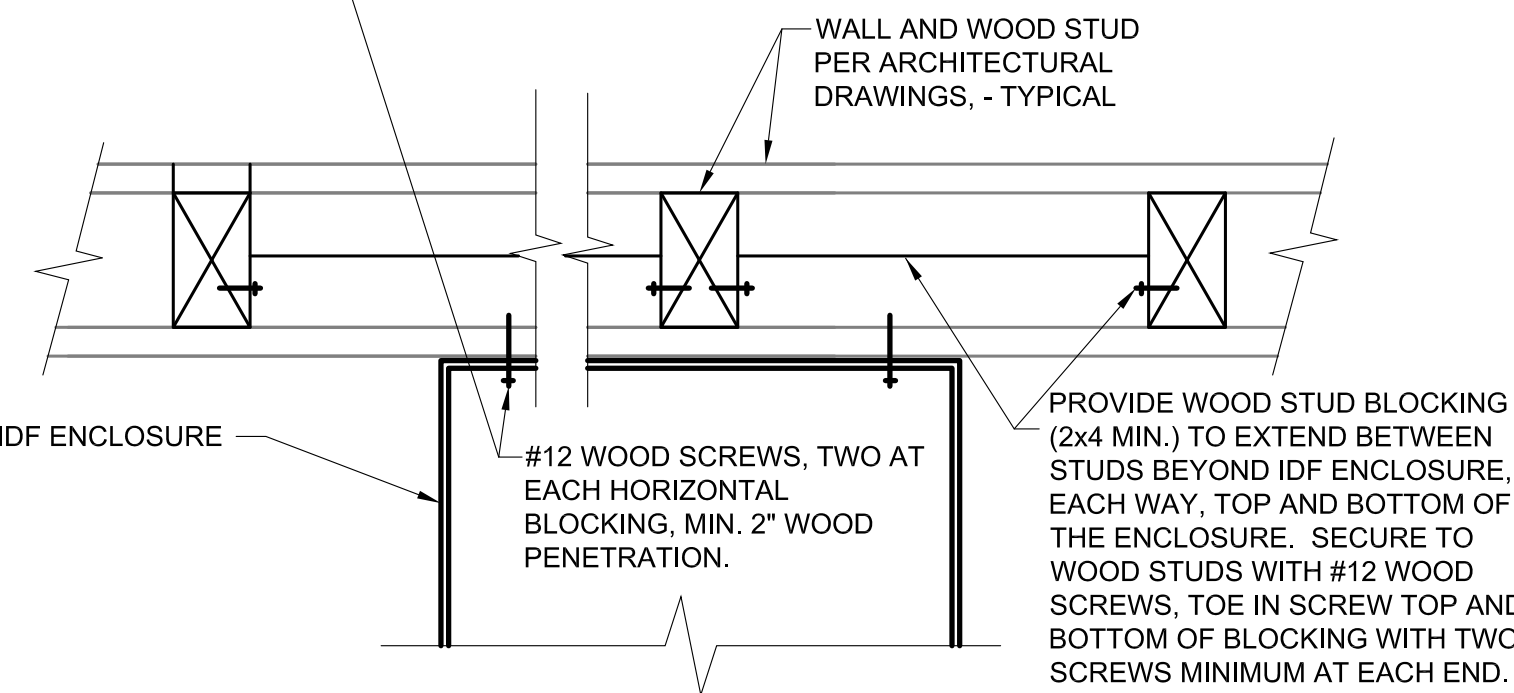
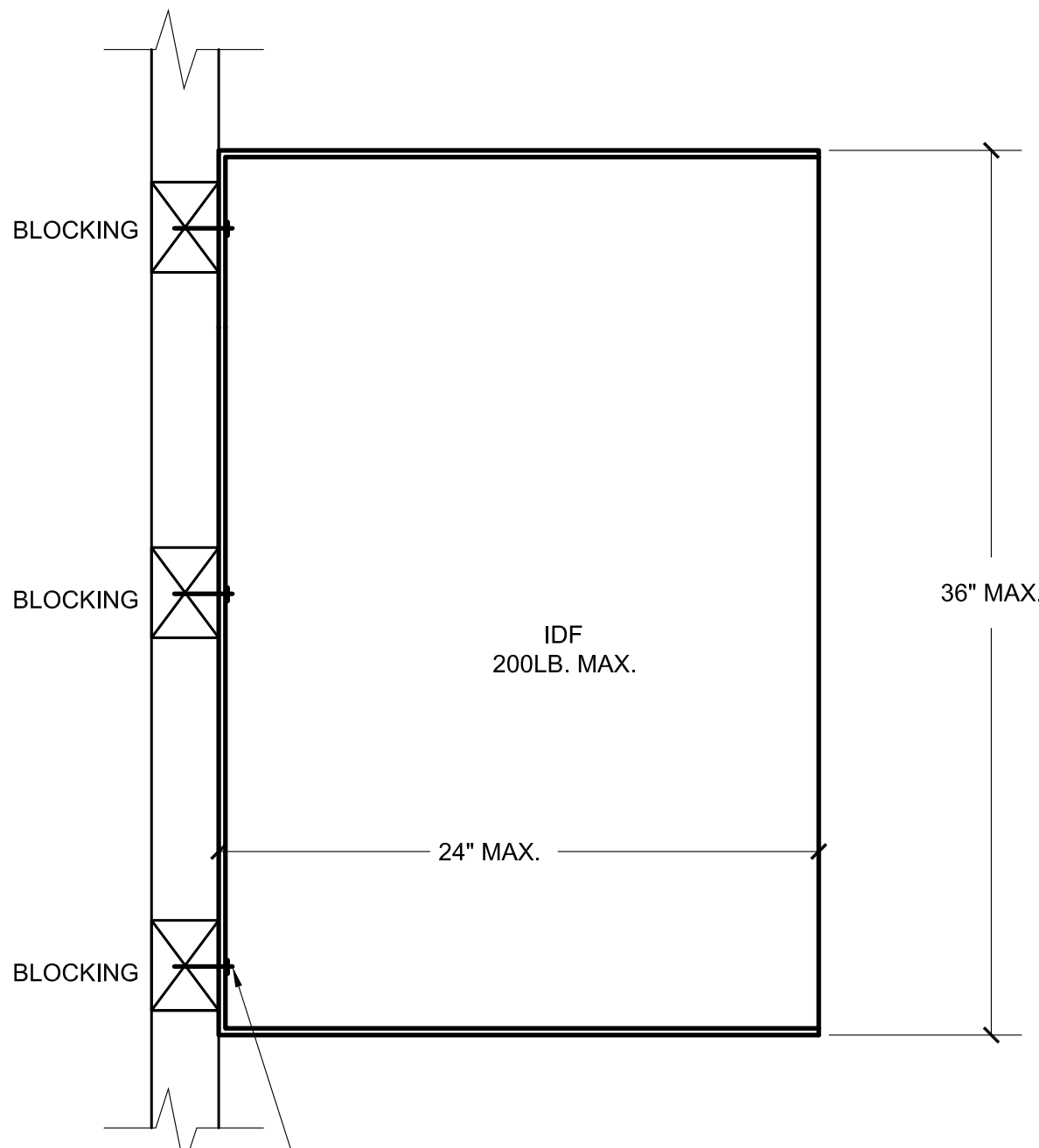
(CALCULATED DIMENSIONS AND MATERIALS BASED ON 100 MPH WIND)

5 POLE BASE MOUNTING DETAIL
E500 NO SCALE



FIRE ALARM CONTROL PANEL DIMENSION: 36"H X 22"W X 6"D
FIRE ALARM CONTROL PANEL WEIGHT: LESS THAN 130LB.
FIRE ALARM POWER SUPPLY DIMENSION: 15"H X 14.5"W X 4"D
FIRE ALARM CONTROL PANEL WEIGHT: LESS THAN 50LB.
SIGNAL TERMINAL CABINET DIMENSION: 36"H X 24"W X 8"D
SIGNAL TERMINAL CABINET WEIGHT: LESS THAN 100LB.

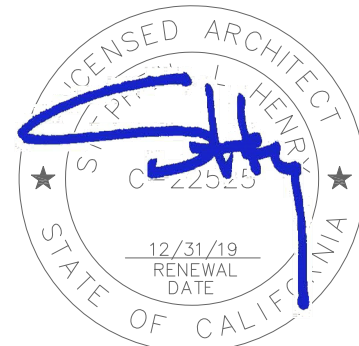
FIRE ALARM CONTROL PANEL, FIRE ALARM POWER SUPPLY, SIGNAL TERMINAL CABINET - MOUNTING DETAIL
E500 NO SCALE



7 IDF ENCLOSURE - MOUNTING DETAIL
E500 NO SCALE

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730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
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INCREMENT 01
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ELECTRICAL DETAILS

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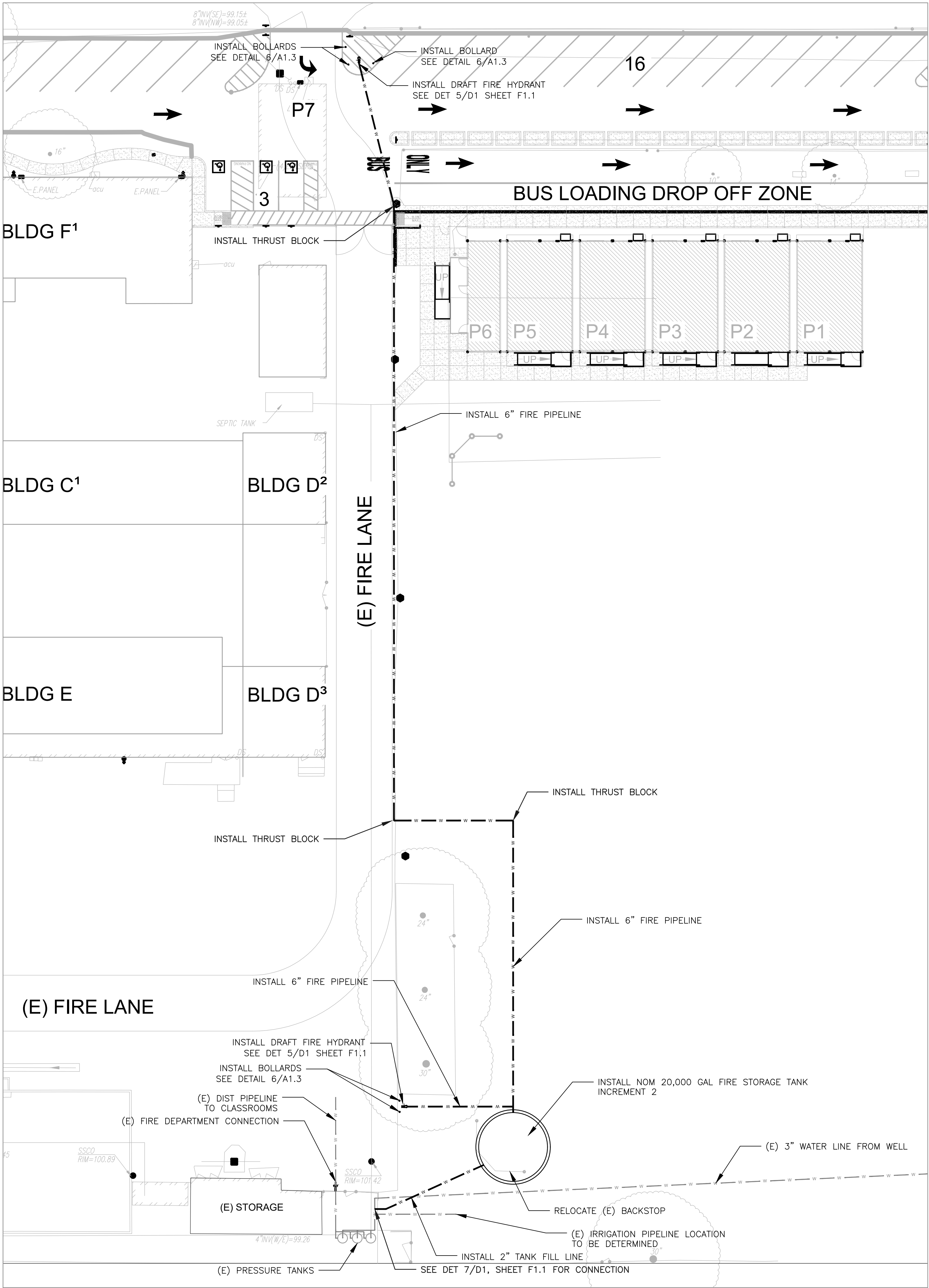
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M. NEILS
ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-4217
www.mneilengineering.com
Tel: (916) 923-4400 Fax: (916) 923-4410
PROJECT #: 18120.21



FIRE SYSTEM TECHNICAL SPECIFICATIONS:

POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS

PVC C 900 and C 905 pipes and fittings shall conform in all ways to AWWA Standards C 900 (Polyvinyl Chloride water distribution pipe in sizes 4-inch through 12-inch with integral bell and spigot joints) and AWWA C 905 (Polyvinyl Chloride water distribution pipe in sizes 14-inch through 24-inch with integral bell and spigot joints). Pressure class shall be as called out on the drawings. The bell shall consist of an integral thickened wall section with a factory installed elastomeric seal. The wall thickness in the bell section shall conform to the requirements of Section 6.2 of ASTM D3139 "Standard Specifications for Joint for Plastic Pressure Pipes Using Flexible Elastomeric Seals.

Pipe, fittings and elastomeric seals shall meet the requirements of ANSI/NSF 61.

PVC 900 and 905 pipe shall be manufactured to cast iron outside diameters (CIOD) in accordance with AWWA C900 and C905.

Elastomeric Seals shall meet the requirements of ASTM F477 "Standard for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.

DUCTILE IRON PIPE AND FITTINGS

Ductile iron pipe shall be centrifugally cast, meeting the requirements of AWWA C151 as most recently adopted, with cement mortar lining in accordance with the latest revision of ANSI/AWWA C104/A21.4. Ductile iron pipe shall have a Pressure Class Rating of 350 psi. Pipe joints shall be flanged, push-on or mechanical. Gaskets for pipe joints shall comply with the provisions of AWWA C111. Polyethylene encasement is not required for ductile iron pipe.

Ductile iron pipe and fittings shall have minimum 350 lb flange connections and shall conform in all respects to ANSI/AWWA C115/A21.15-99 and C110/A21.10-98 standards as appropriate and shall have a cement mortar lining in accordance with ANSI/AWWA C104/A21.4-95. Ductile iron pipe shall utilize restrained joints where required in lieu of thrust blocks. Restraint systems shall be manufactured by the same manufacturer as the pipe.

Ductile iron pipe fittings such as tees, angles, reducers, etc., shall conform to AWWA C-110 or AWWA C153. Pressure class ratings shall be 350 psi. Fittings shall be ductile iron with cement mortar lining. Rubber gasket joints for fittings shall conform to AWWA C111.

GALVANIZED STEEL PIPE AND FITTINGS

All galvanized steel pipe and fittings shall be in conformance with ASTM A53 Standard Specifications for Pipe, Steel, Black and Hot Dipped Zinc Coated, Welded and Seamless, as appropriate for galvanized seamless and/or welded steel pipe. Pipe and fittings shall conform to these standards in materials, fabrication, dimensions, wall thicknesses, coatings, and thread patterns.

All pipe, fittings, and pipe joint compounds and all materials in contact with potable water shall be in compliance with NSF Standard 61 for use with potable water.

All pipe and fittings shall be installed in the configuration shown on the plans, and shall be supported and restrained with pipe clamps and braces as necessary to prevent movement of any kind.

MECHANICAL COUPLINGS

Mechanical couplings for connection of dissimilar water pipe materials, for connection of water pipes with different outside diameters, or for field closures of plain end pipe shall be cast iron couplings with a minimum pressure rating of 175 psi, and shall meet the requirements of AWWA C219. Couplings shall be shop coated with a durable, corrosion-resistant NSF approved paint. All couplings shall be furnished with zinc plated, chromate protected steel bolts and nuts. Couplings shall be Romac Style 501 series, Dresser Style 38, 62, 162, or equal and shall be made for the pipe size and materials to be connected.

WARNING TAPE

Warning tape shall be detectable type with a 5 mil minimum, overall thickness. The tape shall have a 50 gauge solid aluminum foil core laminated between two layers of inert plastic film. The tape shall be 3-inches wide with a minimum tensile strength of 100 pounds per 3-inch wide strip. The tape shall be APWA color coded (Blue) and bear a continuous printed message in permanent black letters on one side" "CAUTION WATER LINE BURIED BELOW" or words of a similar nature.

LOCATING CABLE

Pipeline locator wire shall be No. 14 AWG solid copper wire with THWN-2 insulation. Splice connectors shall be rated for wet location/direct burial installation. All splices shall be covered with heat-activated shrink wrap tubing or electrical tape.

INSTALLATION OF PIPES AND FITTINGS

All pipe and fittings shall be installed in the configuration shown on the plans, and shall be supported and restrained above ground with pipe clamps and braces and below ground with thrust blocks or restrained joints as called out on the project plans and/or as necessary to prevent movement of any kind under all anticipated service conditions and pressures.

All pipe installation shall be as per the manufacturer's recommendations for the pipe material used. All fittings shall be installed and secured with flanged or threaded connections or as shown on the drawings. All proper hardware, gaskets and appurtenances for each fitting shall be as recommended and supplied by the fitting manufacturer. All new materials shall be used.

All trenching shall conform to trench detail as shown on the plans. All pipe bedding, trench backfill and finishing shall be in accordance with trench details as shown on the plan and shall be as per the pipe manufacturer's recommendation for the pipe material being installed.

All AWWA C900 and C905 Pipe shall be installed in accordance with AWWA C605 "Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water" and in accordance with the manufacturer's directions and recommendations.

THRUST RESTRAINT

All pipe and fittings shall be properly restrained against horizontal and vertical movement due to internal pressure and pressure changes. Contractor shall utilize mechanical restraints, restraint joints, bracing, and/or thrust blocks to provide all necessary bracing and restraint to protect piping from movement in all service conditions. Method of restraint may be specified on project plans. If method of restraint is not specified on the plans, Contractor shall verify with Engineer appropriate restraint method.

FLUSHING AND TESTING AND DISINFECTION

As a condition of acceptance of the completed water system, the Contractor shall flush and test the new water pipelines and valves. The authorized representative of the Engineer and District shall be present during the performance of all such work. In no case shall there be placement of permanent pavement prior to successful completion of the tests.

Prior to hydrostatic testing, the Contractor shall thoroughly flush all piping to remove sand, grit, fluids, construction waste, etc.

Pressure and leakage testing of the completed water pipeline section shall be in accordance with AWWA C605 except as modified herein. Minimum test pressure shall be 125 pounds per square inch in the lowest section but shall not exceed the design pressure limit for any pipe. The test pressure shall not vary by more than +/- 5 psi for the duration of the test. The minimum duration of the test shall be 2 hours. After installation of all thrust blocks, a minimum time shall elapse before testing: 36 hours for high-early-strength concrete and 7 days for Class C concrete. No pipe installation will be accepted if the leakage is greater than that determined by the formula:

$$L = \frac{SD\sqrt{P}}{148,000}$$

L = Allowable leakage in gallons per hour.

S = Length of pipe tested in feet.

D = Nominal diameter of the pipe in inches.

P = Average test pressure during the leakage test in pounds per square inch.

Pipelines that fail to pass the prescribed leakage test will be considered defective work and the Contractor shall determine the cause of the leakage, shall take corrective measures necessary to repair the leaks in a manner acceptable to the Engineer, and shall retest the pipelines. This procedure shall be repeated until the Contractor can certify to the Owner that the entire system has passed the testing.

BALL VALVES

Except as otherwise indicated or specified, all above ground valves 3" or smaller shall be ball valves. Ball valves for water service shall be of a "lead free" design meeting NSF 61 standards and approved for use in the State of California. Ball valves shall be a full port design with threaded inlet/outlet, 316 SS trim. Valves shall be as manufactured by Nibco, Watts or approved equal.

GATE VALVES

Gate valves for buried installations, 3-inches and larger, shall comply with AWWA C515 with stainless steel stem and stem nut; ductile iron gate and body; EPDM rubber seat bonded to wedge/disc. Gate valves shall open with counter clockwise rotation of the operating nut. Buried valves and valves located in vaults shall have non-rising stem with 2-inch operating nut, turning counterclockwise to open. All surfaces shall be fusion bonded epoxy coated after machining. No exposed metal surfaces shall exist.

TANK FLOAT VALVE

Tank float valve shall be 2" bronze pipe mounted with capacity of 250 gpm at 50 psi. Valve shall include a 12" brass rod and 4" diameter round stainless steel float ball. Float valve shall be Watts Model 2000 or equal.

WATER LEVEL SUPERVISORY SIGNAL-INITIATING DEVICE (FLOAT SWITCH)

The water level switch shall be a float operated device for supervising water level in a gravity storage tank. The switch shall have two sets of contacts, one for low water level and one for recovery (full) water level. Switch shall be Potter Model WLS or equal.

BUTTERFLY VALVES:

Butterfly valves shall be lever operated as shown on the drawings. Valves shall be flanged or lug style valves. All butterfly valves shall include an epoxy coated ductile iron body with stainless steel disc and EPDM seat. Valves shall be certified to NSF/ANSI 61. Valves shall be equipped with a locking device which allows valve to be locked in either open or closed position.

CHECK VALVE

Check Valve shall be swing check type, UL/FM approved, Class 125 flange ends, rubber disc facing and bronze seat ring,. Check valve shall be Mueller Model A2122 6B13 or equal.

ABOVE GROUND WATER STORAGE TANK, INCREMENT 2

Contractor shall install an above ground water storage capable of holding a minimum volume of 20,000 gallons. Tank shall be generally configured as shown on Sheet F1.1 of the Plans. Tank shall include:

Shop fabricated construction with shop coated carbon steel.

Approximate dimensions: 12' diameter by 24' height.

2' elevated inlet and 6" outlet

2" overflow penetration

Tank level indicator

Screened rain proof roof vent

Seismic/wind anchoring system designed by engineer licensed in the State of California conforming to provisions of CBC and NFPA Title 22.

Anti vortex plate on discharge outlet in compliance with NFPA22, Section 14.2.13

REINFORCED CONCRETE

The materials furnished for concrete shall include, but not be limited to, Portland cement, water, coarse and fine aggregates, fly ash, and admixtures. Reinforced concrete shall have a minimum compressive strength of 4,000 PSI.

Portland Cement - Portland Cement shall be Type II Modified conforming to Type II cement, as specified in ASTM C150.

Water - Water for washing aggregates and for mixing and curing concrete shall be clean, free from oil, acid, alkalies, vegetable matter, or other deleterious substances.

Coarse Aggregate - The coarse aggregate shall consist of clean, hard, dense, tough and durable natural gravel, crushed gravel, or crushed rock. It shall be free from oil, organic matter or other deleterious substances and shall conform to ASTM C33.

Fine Aggregate - Fine aggregate shall consist of hard, durable, un-coated natural sand or other approved material. It shall be free from oil or other deleterious substances.

Fly Ash - Fly ash shall conform to ASTM A618, Class F or N, except that the loss on ignition shall be limited to 1%.

Admixtures - Water-reducing agents such as Pozzolith, WRDA, or equal shall be used in all concrete. The admixture shall conform to ASTM Specifications C494. Proportioning and mixing shall be as recommended by the manufacturer. Admixtures causing accelerated setting of cement in concrete shall not be used. Air-entraining admixtures compatible with the concrete mix shall be used, as required, as a moderate addition to the water-reducing agent, to obtain the specified percent air in the resultant concrete. The Contractor shall submit data verifying that the admixtures are compatible with the mix. Air-entraining admixture shall conform to ASTM Specification C260.

REINFORCEMENT

Steel Bars - All steel bars shall have a deformed surface and shall conform to ASTM A615, including Supplementary Requirement S1, Grade 60, free from dirt, rust, scale, oil, and frost. No. 3 bars may be Grade 40.

REINFORCING SUPPORTS

Reinforcement supported from form work shall rest on Class E (stainless steel protected) bar supports, as specified in "Manual of Standard Practice" by the Concrete Reinforcing Steel Institute (CRSI).

Reinforcement supported from the ground shall rest on 3-inch-high precast concrete blocks not less than 4 inches square.

WIND DESIGN

2016 CBC Code Design Factors:

Basic 3-second Gust Wind Speed; 115 MPH Per ASCE 7-10

Exposure Type; Type C

TANK STRUCTURAL DESIGN CRITERIA: (See "Geotechnical Engineering Report, Houston Middle School Relocatable Buildings Project, Acampo, CA" December 14, 2018)

Maximum Net Allowable Bearing Pressure = 1,500 psf Required Bearing Stratum = 18" compacted native soil Mat Slab Foundation Support = 123" compacted Class 2 A.B.

Ultimate Passive Resistance = 350 pcf Ultimate Coefficient of Sliding Friction = 0.40 Minimum Embedment Below Finish Grade = 12"

SEISMIC DESIGN: (See "Geotechnical Engineering Report, Houston Middle School Relocatable Buildings Project, Acampo, CA" December 14, 2018)

A. Geological Data: Site soil class "D" per 2016 CBC and ASCE 7-10. Non-Building Structure Type R Coefficient = 3 per Table 15.4-2, ASCE 7-10

B. Seismic Design Factors

Site Location; Lat. 38.1743 N; Long. 121.2604 W

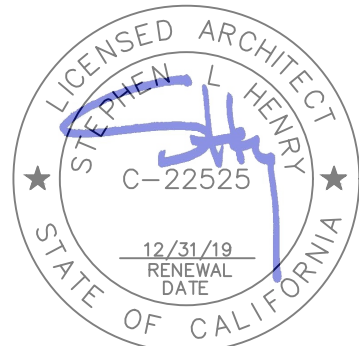
Site Class; D Seismic Design Category; D

SMS = 0.870g SDS = 0.580g SM1 = 0.529g SD1 = 0.352g Fa = 1.238 Fv = 1.819 SG=0.703g S1=0.291g PGAM=0.317g

Occupancy Category = III Seismic Importance Factor; I = 1.5 Risk Category = III

FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

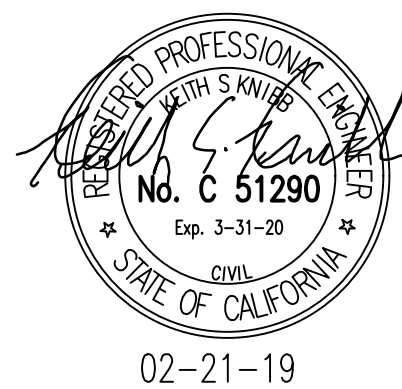
FIRE SYSTEM SITE PLAN AND
TECHNICAL SPECIFICATIONS

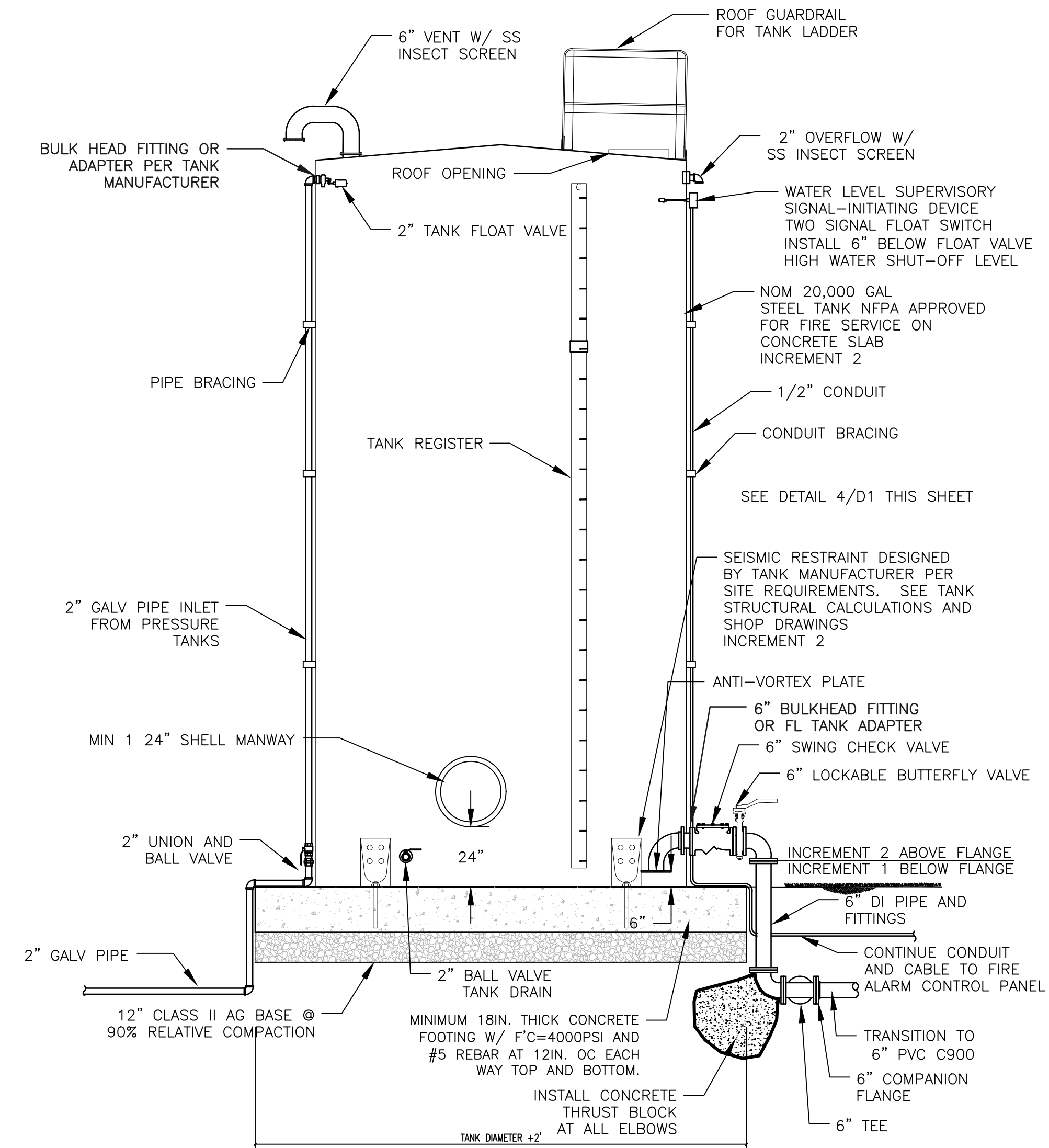
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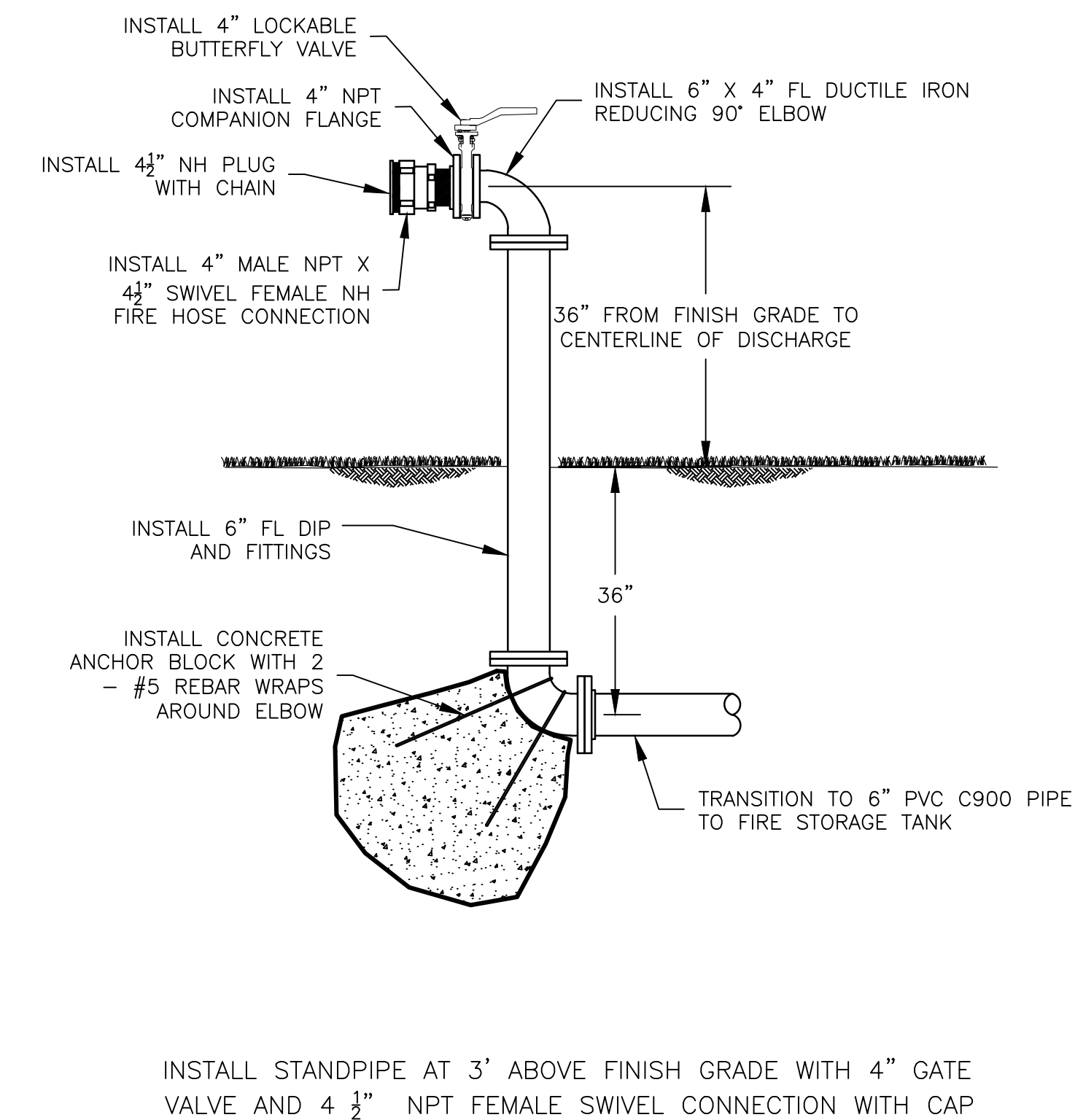
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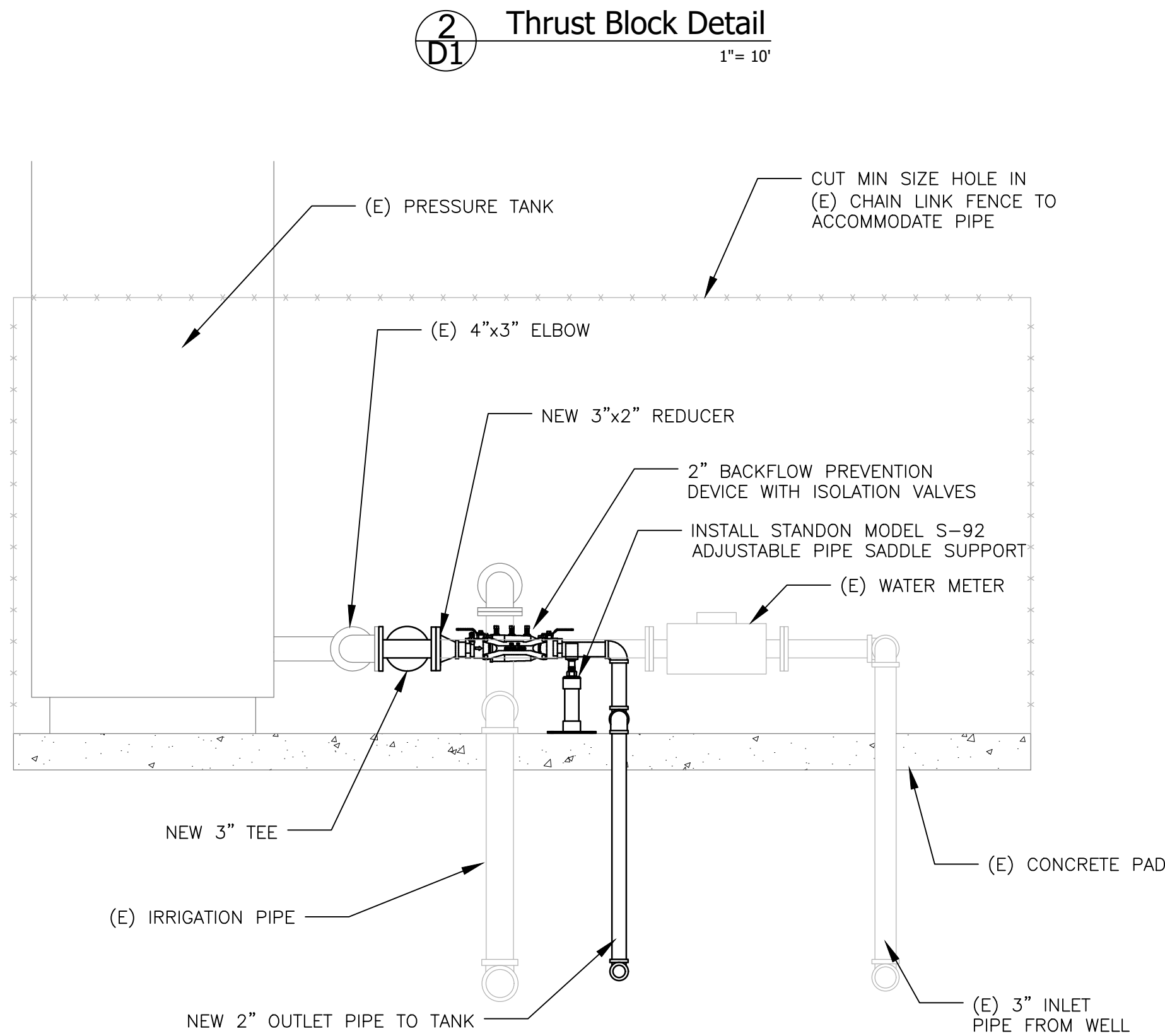


1 New Tank Profile View
1"= 40'



5 Draft Fire Hydrant
1"= 20'

- NOTES: (1) THRUST BLOCKS TO BE CONSTRUCTED OF CLASS "B" CONCRETE.
(2) BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
(3) JOINTS TO BE KEPT CLEAR OF CONCRETE.
(4) INSTALL CONCRETE THRUST BLOCKS AT ALL ELBOWS.



3 Existing Pressure Tank Connection Profile View
1"= 20'

NOTES:

6" and 8" DIMENSIONS SHALL INCLUDE DISTANCE BETWEEN PIPE BELL AND TRENCH WALL.

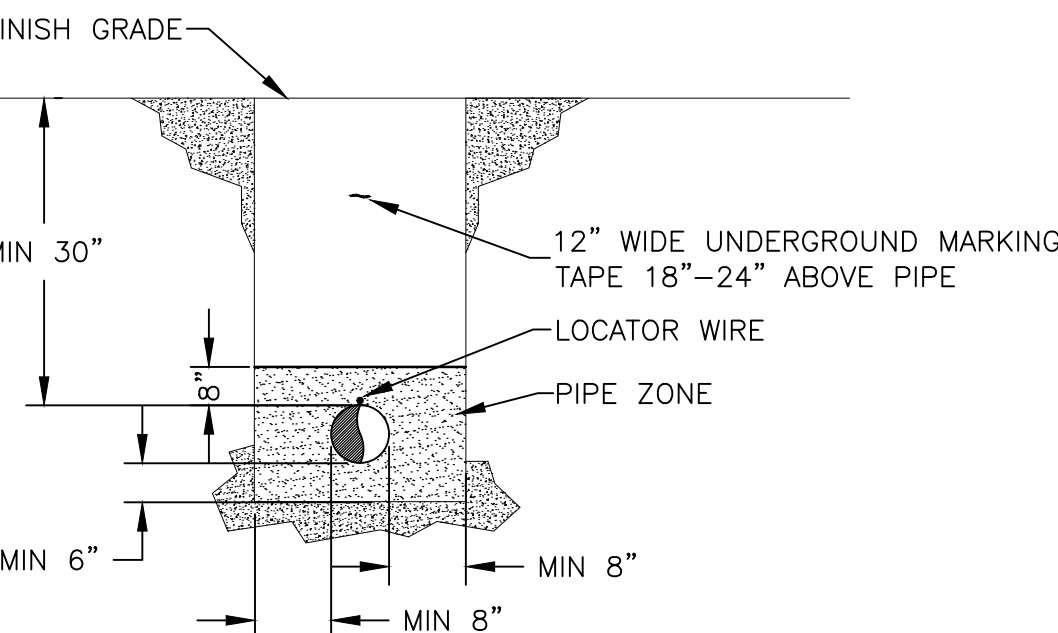
PLACE INITIAL SAND BACKFILL TO TOP OF PIPE, SPRAY WITH WATER AND COMPACT. THEN PLACE INITIAL SAND BACKFILL TO AT LEAST 8" ABOVE TOP OF PIPE, SPRAY WITH WATER TO COMPACT. AFTER SPRAYING WITH WATER, USE MECHANICAL COMPACTION METHODS IF NEEDED.

JETTING WILL NOT BE ALLOWED FOR COMPACTION OF BACKFILL OR PIPE BEDDING MATERIAL.

IN UNPAVED AREAS, PIPE BEDDING MATERIALS AND INITIAL BACKFILL MATERIAL SHALL BE COMPACTED SAME AS IN PAVED AREAS.

EXISTING LAWN AREAS ADJACENT TO PIPELINE TRENCH SHALL BE PROTECTED WITH CONSTRUCTION MATS TO MINIMIZE DAMAGE TO GRASS. AREAS TO BE PROTECTED INCLUDE EQUIPMENT INGRESS AND EGRESS AND TRENCH SPOIL STOCKPILES.

TRENCH ZONE SCREENED NATIVE MATERIAL, 6" MINUS @ 90% RELATIVE COMPACTION
PIPE ZONE 3/8" MINUS IMPORTED SCREENED SAND WITH MIN. SAND EQUIVALENT OF 50 PER CALTEST 217-G 90% MINIMUM COMPACTION.

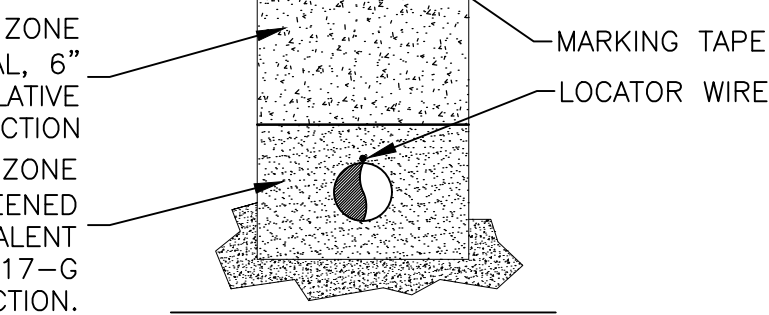


TRENCH DIMENSIONAL LAYOUT

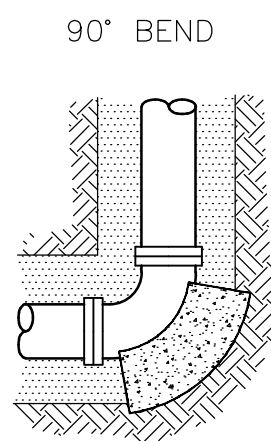
FOR UNPAVED AREAS, PLACE 12" OF ORIGINAL TOPSOIL ABOVE TRENCH ZONE AND MOUND TO ALLOW SETTLEMENT.

ALL DISTURBED LAWN AREAS SHALL BE RESEED USING A FESCUE BLEND WITH RYE. CONTRACTOR SHALL PROVIDE A SEED MIX DESIGN AND APPLICATION PLAN FOR APPROVAL PRIOR TO RESEEDING.

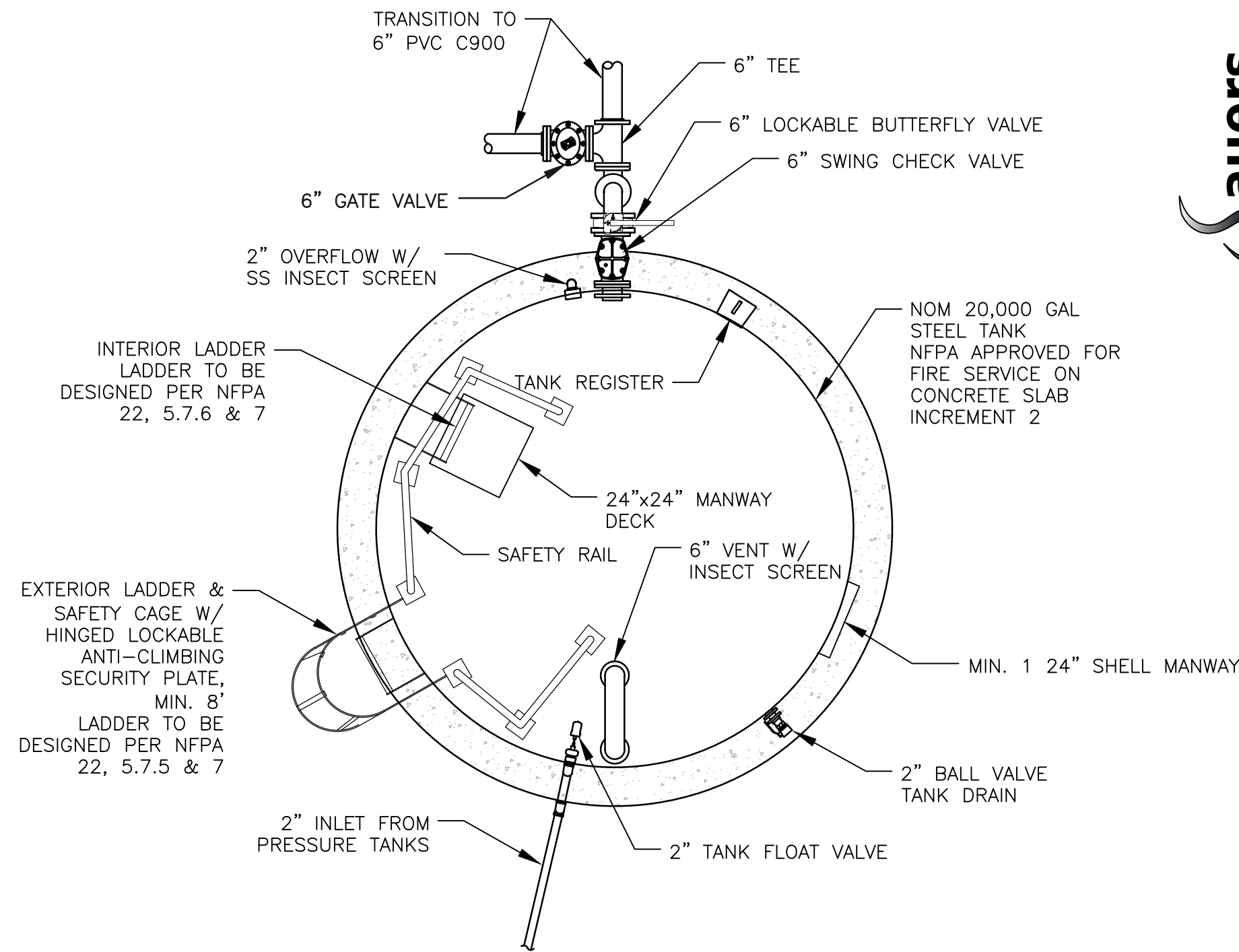
FOR AREAS UNDER CONCRETE, REPLACE CURB, GUTTER AND SIDEWALK TO MATCH EXISTING.



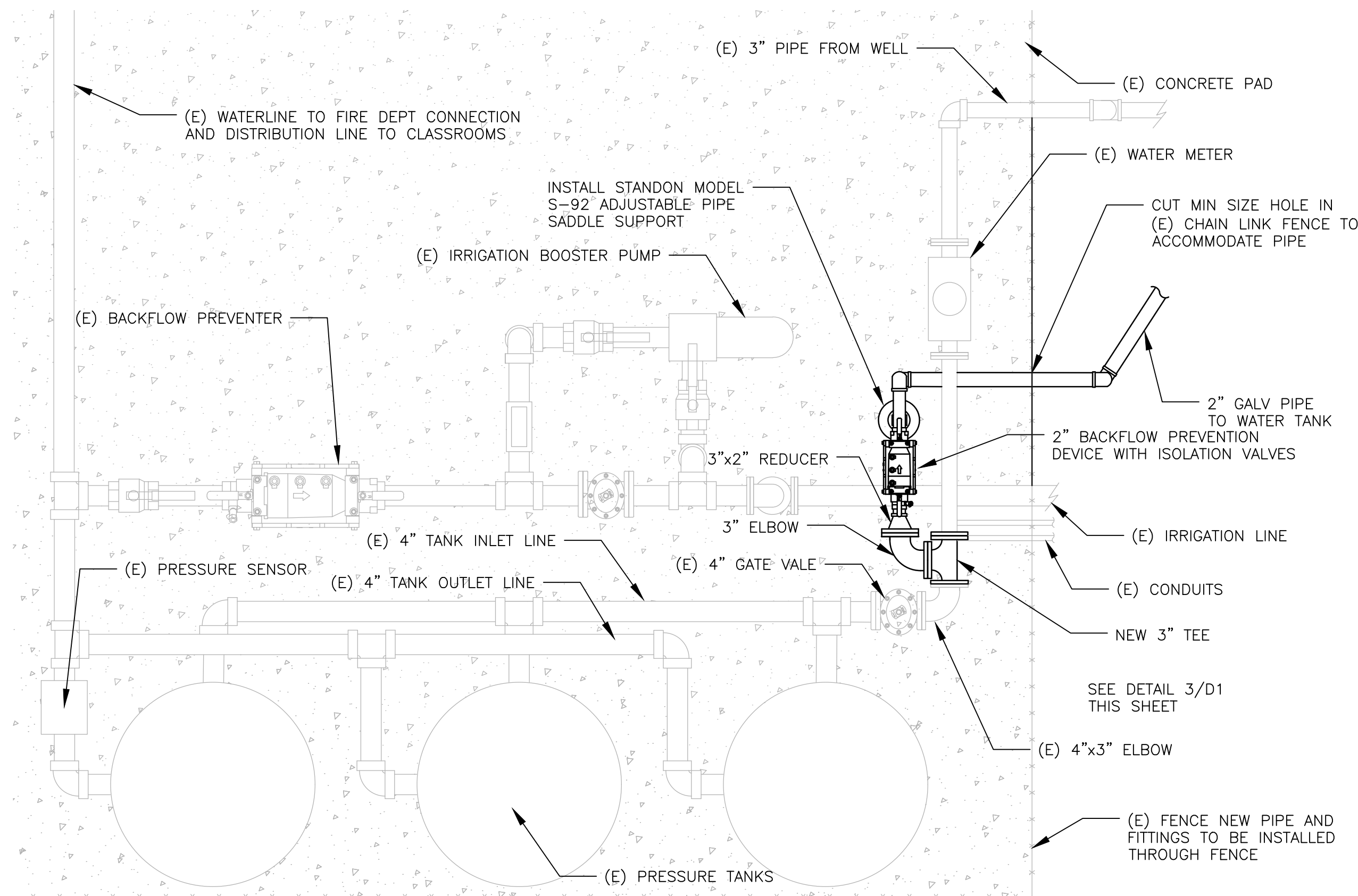
6 Trench Detail
1"= 30'



- NOTE:
1. ALL FITTINGS & VALVES SHALL BE LOW LEAD IN COMPLIANCE WITH NSF/ANSI 61 OR NSF/ANSI 372 AS APPLICABLE.
2. NO PVC PIPE OR FITTINGS SHALL BE EXPOSED ABOVE GROUND.
3. AVOID CONNECTIONS OF DISSIMILAR METALS WITHOUT A DIELECTRIC FITTING.



4 New Tank Plan View
1"= 40'



7 Existing Pressure Tank Connection Plan View
1"= 20'



Sauers Engineering, Inc.
Civil & Environmental Engineers
440A Lower Grass Valley Rd., Nevada City, CA 95959 (530) 265-8021

FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

FIRE SYSTEM DETAILS

CONSULTANT

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OF 102 SHEETS

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ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.	
AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.	
PROPOSED GRADING & DRAINAGE SYMBOLS:	
	8" SD STORM DRAIN LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)
	CATCH BASIN (CB)
	DROP INLET (DI)
	AREA DRAIN (AD)
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
	STORM DRAIN CLEANOUT
	ELEVATION
	FF=100.00 FINISHED FLOOR ELEVATION
	PAD=99.33 BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
	GRADED DIRECTION FOR DRAINAGE FLOW
	SWALE
	SLOPE
	TREE TO BE REMOVED
	RETAINING WALL
PROPOSED SANITARY SEWER SYMBOLS:	
	6" SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	SANITARY SEWER MANHOLE (SSMH)
	SEWER CLEANOUT FLUSHER BRANCH
PROPOSED WATER SYMBOLS:	
	8" W WATER LINE & SIZE
	8" FS FIRE LINE & SIZE
	8" DW DOMESTIC WATER LINE & SIZE
	8" RW RECLAIMED WATER LINE & SIZE
	8" IRR IRRIGATION SERVICE LINE & SIZE
	8" NP NON POTABLE WATER LINE & SIZE
	8" SP FIRE SPRINKLER SERVICE LINE & SIZE
	GATE VALVE
	WATER METER
	FIRE HYDRANT ASSEMBLY
	FIRE DEPARTMENT CONNECTION
	DETECTOR CHECK VALVE
	DOUBLE DETECTOR CHECK VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	BUTTERFLY VALVE
	AIR RELEASE VALVE + SIZE
	BLOW-OFF VALVE + SIZE
	POST INDICATOR VALVE

GENERAL PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99% TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
 - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
 - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.



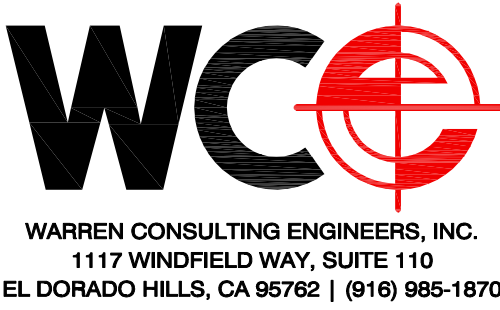
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RELOCATABLES BUILDINGS
HOUSTON SCHOOL

CIVIL NOTES, LEGEND
& ABBREVIATIONS

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UPDATED		

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OF 102 SHEETS

EXISTING TOPOGRAPHY

- PROPERTY LINE
- CENTERLINE
- EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- GROUND ELEVATION
- HARD SURFACE ELEVATION

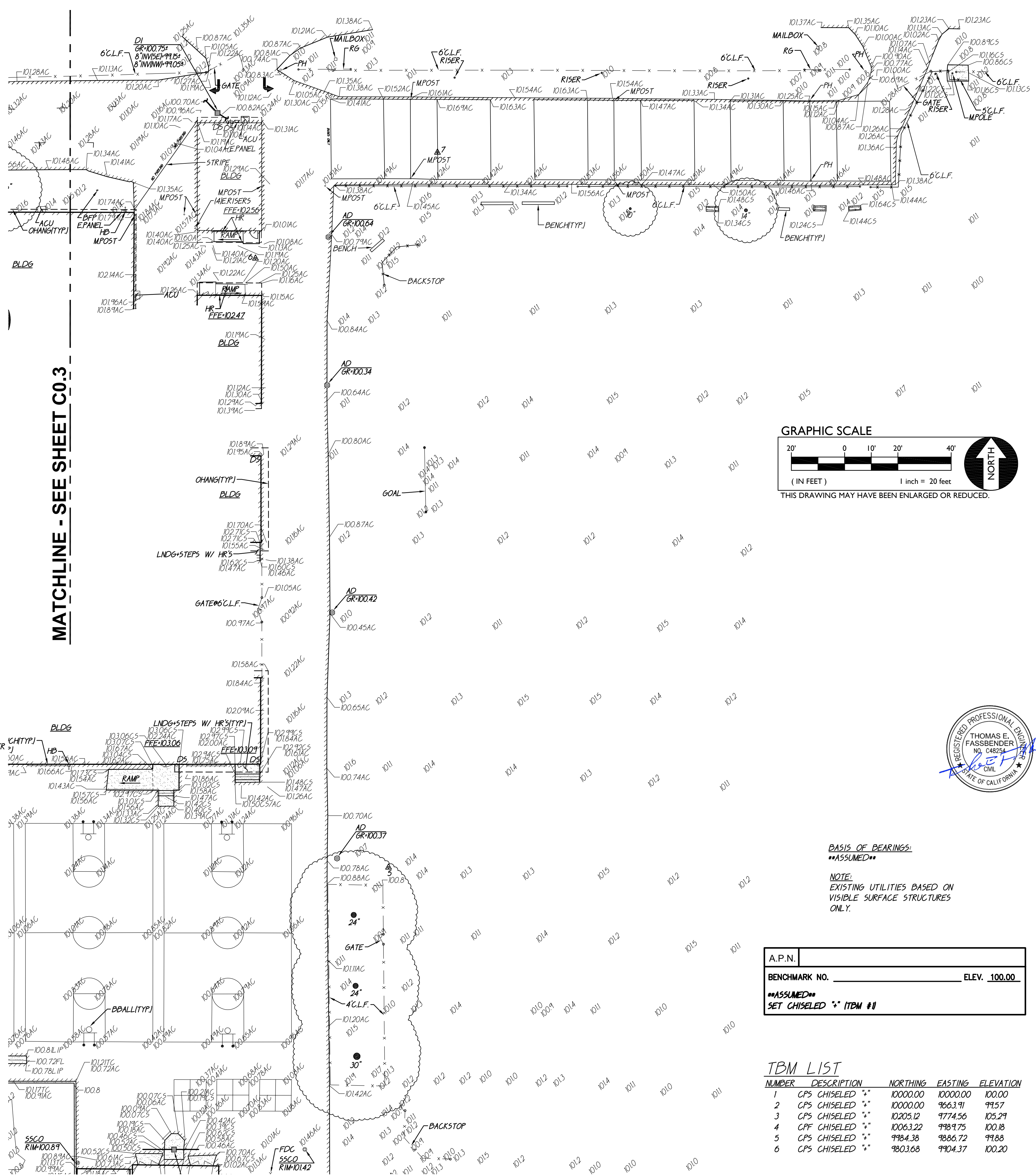
EXISTING UTILITIES

- STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- STORM DRAIN LINE (RECORD INFORMATION)
- STORM DRAIN LINE (UNDERGROUND LOCATING)
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT
- DROP INLET
- AREA DRAIN
- RAIN WATER LEADER
- DOWNSPOUT
- SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- SANITARY SEWER LINE (RECORD INFORMATION)
- SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER LINE (SIZE INDICATED)
- WATER LINE (RECORD INFORMATION)
- WATER LINE (UNDERGROUND LOCATING)
- WATER MANHOLE
- WATER VALVE
- WATER METER
- WATER BOX
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- SPRINKLER
- HOSE BIBB
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ELECTRIC MANHOLE
- UTILITY POLE (WITH GUY WIRE)
- ELECTRIC METER
- ELECTRIC BOX
- STREET LIGHTING BOX
- LIGHT STANDARD
- SIGNAL LIGHT
- FLOOD LIGHT
- ELECTRICAL OUTLET
- GAS LINE (SIZE INDICATED)
- GAS LINE (RECORD INFORMATION)
- GAS LINE (UNDERGROUND LOCATING)
- GAS MANHOLE
- GAS VALVE
- GAS METER
- TELEPHONE LINE
- TELEPHONE LINE (RECORD INFORMATION)
- TELEPHONE LINE (UNDERGROUND LOCATING)
- STORM DRAIN BOX
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ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

- AC ASPHALTIC CONCRETE
- ACC ACCESSIBLE
- ACU AIR CONDITIONING UNIT
- AD ASSESSOR'S PARCEL NUMBER
- APN ASSESSOR'S PARCEL NUMBER
- ARY AIR RELEASE VALVE
- BALL BRASS BALL
- BCM BRASS CAP MONUMENT
- BFP BACK FLOW PREVENTER
- BLDG BUILDING
- BOL BOLLARD
- BOV BLOW-OFF VALVE
- BR BRICK
- BWF BARBED WIRE FENCE
- C COMMUNICATION
- CL CENTERLINE
- CTV CABLE TELEVISION
- CIP CASTED IRON PIPE
- CLF CORRUGATED METAL PIPE
- CMP CLEANOUT
- COL COLUMN
- CONC CONCRETE
- CPF CONTROL POINT FOUND
- CPS CONTROL POINT SET
- CS CONCRETE SURFACE
- DC DEPTH
- DDC DOUBLE DETECTOR CHECK VALVE
- DF DRINKING FOUNTAIN
- DG DECOMPOSED GRANITE
- DI DROP INLET
- DIA DIAMETER
- DRWY DRIVEWAY
- DS DOWNSPOUT
- DWG DRAWING
- E EDGE OF PAVEMENT
- EP EASEMENT
- EX EXISTING
- FA FIRE ALARM
- FDC FIRE DEPARTMENT CONNECTION
- FFE FINISHED FLOOR ELEVATION
- FL FIRE HYDRANT
- FO FLOWLINE
- FO FIBER OPTIC
- FS FIRE SERVICE
- G GAS
- GB GRADE BREAK
- GR GRATE
- GRD GROUND ROD BOX
- GROD GROUND ROD
- GV GAS VALVE
- HB HOSE BIBB
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- HP HIGH PRESSURE
- HR HANDRAIL
- HVE HIGH VOLTAGE ELECTRIC
- HWF HIGH WIRE FENCE
- ICP IRRIGATION CONTROL PANEL
- ICV IRRIGATION CONTROL VALVE
- INV PIPE INVERT ELEVATION
- IRR IRRIGATION
- JP JOINT UTILITY POLE
- JT JOINT TRENCH
- LNDG LANDING
- LVE LOW VOLTAGE ELECTRIC
- M MANHOLE
- MH METAL
- MBC MOV STRIP
- MSC METAL STORAGE CONTAINER
- NTS NOT TO SCALE
- OH OVERHEAD
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- OSP PROPERTY LINE
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- PIV POST INDICATOR VALVE
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- PRKG PARKING
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- PV PAVERS
- PVC POLYVINYL CHLORIDE
- R RUBBER
- RM MANHOLE RIM ELEVATION
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- STL STEEL
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- TBM TEMPORARY BENCHMARK
- TC TOP OF CURB
- TOW TOP OF WALL
- TP TELEPHONE POLE
- TRW TOP OF RETAINING WALL
- UG UNDERGROUND
- UNK UNKNOWN
- VBALL VOLLEYBALL
- W WATER
- WI WITH
- WO WITHOUT
- WO WOOD
- WIF WROUGHT IRON FENCE
- WIF WOOD RAIL FENCE
- XFRM TRANSFORMER
- XWALK CROSSWALK



EXISTING TOPOGRAPHY

- PROPERTY LINE
- CENTERLINE
- EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- GROUND ELEVATION
- HARD SURFACE ELEVATION

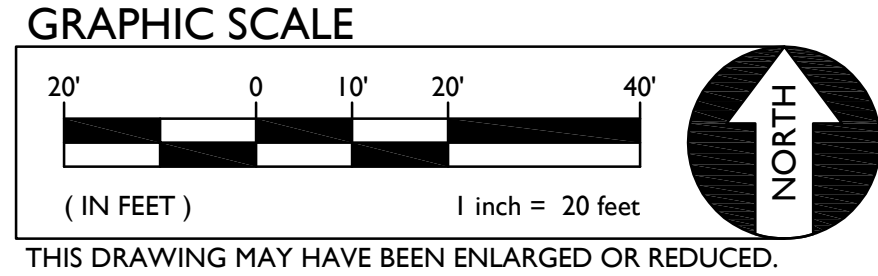
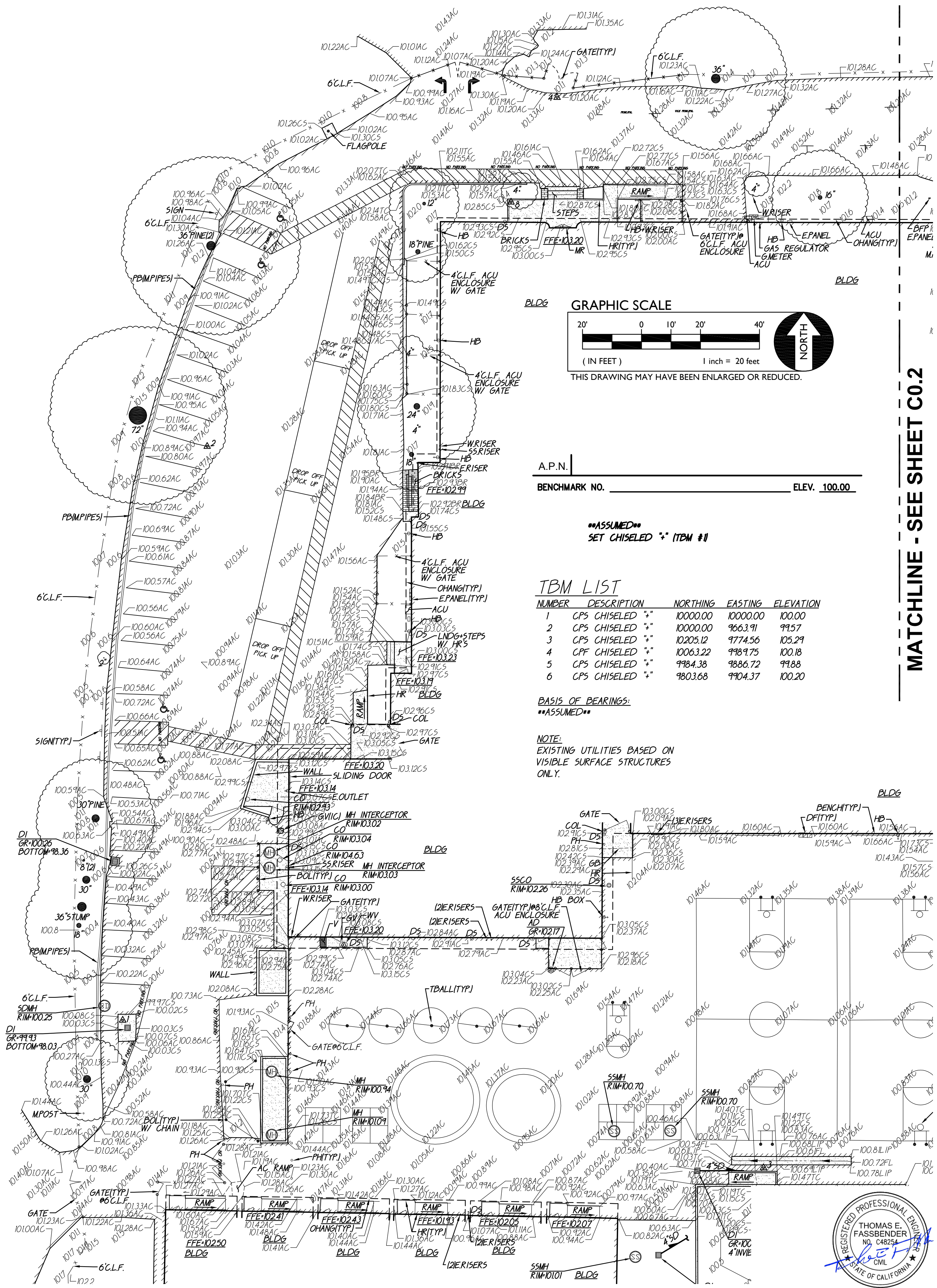
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- C COMMUNICATION
- C/L CENTERLINE
- CATV CABLE TELEVISION
- CIF CAPTED IRON PIPE
- CLF CHAIN LINK FENCE
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- CO CLEANOUT
- COL COLUMN
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- COND CONDENSATE
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- W WATER
- W/O WITHOUT
- WO WOOD
- W/WF WROUGHT IRON FENCE
- W/F WOOD RAIL FENCE
- XFRM TRANSFORMER
- XWALK CROSSWALK



A.P.N. _____
BENCHMARK NO. _____ ELEV. 100.00

ASSUMED
SET CHISELED * (TBM #)

TBM LIST			
NUMBER	DESCRIPTION	NORTHING	EASTING
1	CPS CHISELED *	10000.00	10000.00
2	CPS CHISELED *	10000.00	9663.91
3	CPS CHISELED *	10205.12	9774.56
4	CPF CHISELED *	10063.22	9989.75
5	CPS CHISELED *	9984.38	9886.72
6	CPS CHISELED *	9803.68	9904.37

BASIS OF BEARINGS:
ASSUMED

NOTE:
EXISTING UTILITIES BASED ON
VISIBLE SURFACE STRUCTURES
ONLY.

MATCHLINE - SEE SHEET C0.2

FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



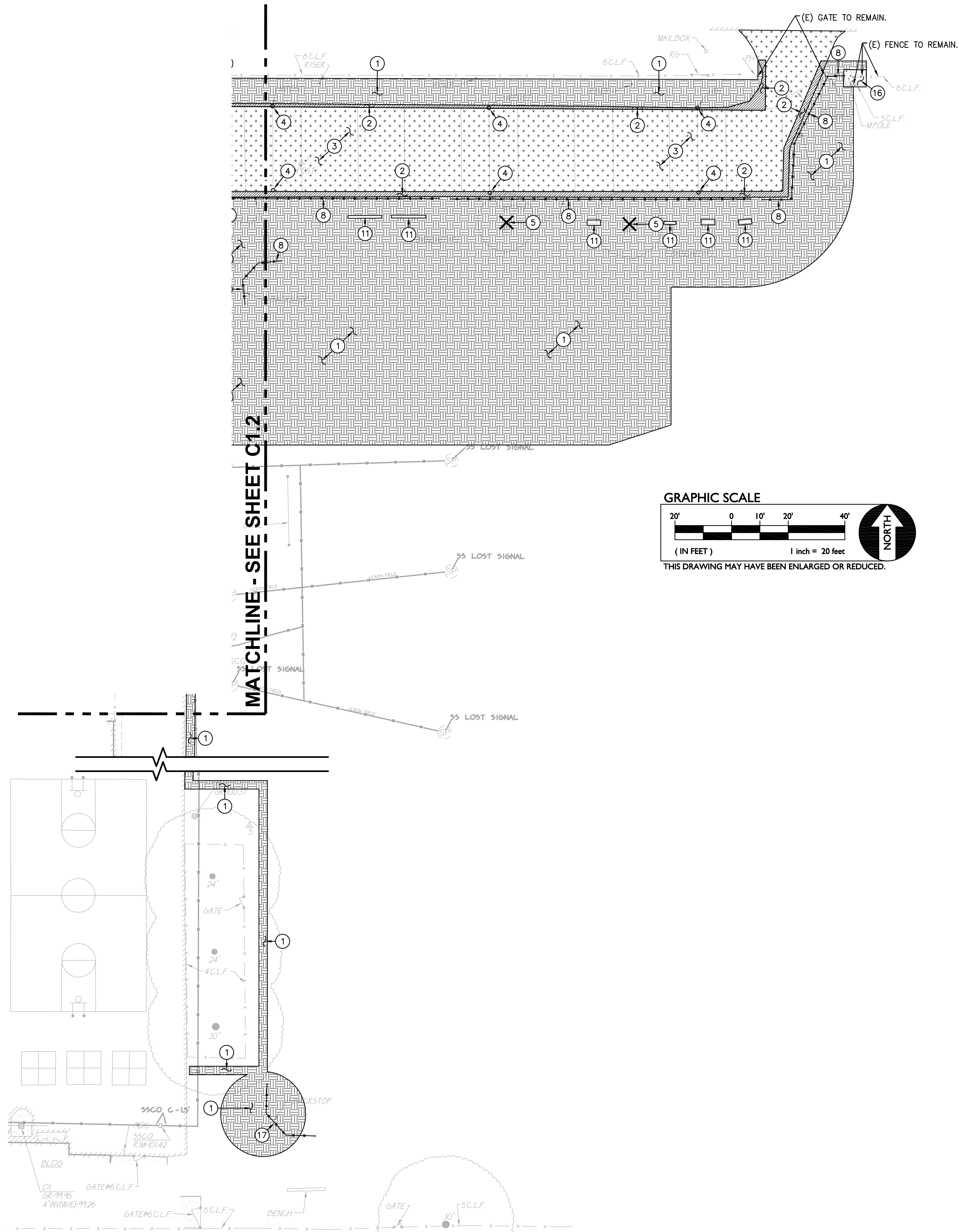
INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL
TOPOGRAPHIC SURVEY

CONSULTANT
WC
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

PROJECT NO.	REVISIONS	BY
18-32-046		
DATE		
02/25/2019		
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CHECKED		
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SCALE		
CADFILE		
UPDATED		

SHEET NO.
C0.3
OF 102 SHEETS

FILENAME: i:\18-113\CIVIL\DWG\18-113 C1.1.DWG



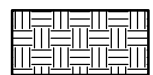
DEMOLITION GENERAL NOTES

- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- NO BURNING OR BLASTING SHALL BE PERMITTED.
- ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
- THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTEND.
- EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2014 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
- ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.
- SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
- CONTRACTOR SHALL AVOID DAMAGE TO EXISTING PLANTING AND IRRIGATION ALONG EDGES OF DEMOLITION AND NEW PAVEMENT. CONTRACTOR SHALL REPAIR ANY DAMAGE, TO INCLUDE NEW IRRIGATION LINES, NEW HEADS, NEW BARK/MULCH AND NEW SOD TURF WHERE NECESSARY.

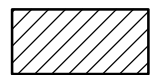
DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS SHEET.

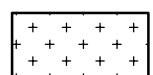
AND/OR
LEGEND # DEMOLITION NOTES



1. REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, AND IRRIGATION SYSTEMS. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE GENERAL IRRIGATION NOTE, THIS SHEET.



2. SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND BASE ROCK TO ALLOW FOR NEW WORK. SAWCUTS SHALL BE NEAT STRAIGHT LINES. IF EDGES BROKEN DURING CONSTRUCTION, PERFORM NEW SAWCUTS JUST PRIOR TO NEW PAVING.



3. CRACK FILL, PATCH AND CLEAN EXISTING ASPHALT FOR NEW PAVEMENT SEALER. SEE SPECIFICATIONS.

4. REMOVE EXISTING METAL POST/POLE AND CONCRETE BASE. TAKE CARE NOT TO DAMAGE SURROUNDING PAVING WHEN REMOVING CONCRETE BASE. BACKFILL WITH 95% COMPACTED CLASS II AB IN 6" LIFTS AND PATCH ASPHALT PAVING. MATCH SECTION.



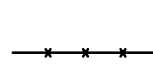
5. REMOVE EXISTING CONCRETE CURB / CURB GUTTER.



6. REMOVE EXISTING UTILITY BOX AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER. REFER TO GRADING AND UTILITY PLANS AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.



7. EXISTING TREE TO REMAIN AND BE PROTECTED FROM DAMAGE. PROVIDE PROTECTIVE FENCING IF NEEDED.



8. REMOVE FENCING AND GATES AS SHOWN. REMOVE POST TO INCLUDE CONCRETE FOOTINGS.



9. REMOVE EXISTING PORTABLE BUILDING COMPLETE WITH ALL STRUCTURE FOOTINGS AND FOUNDATIONS. WOOD, CONCRETE OR OTHER AS FOUND. DISCONNECT AND REMOVE UTILITIES BACK TO NEAREST VAULT, ELECTRICAL BOX OR PANEL WHICH IS TO REMAIN. REMOVE AND CAP WET UTILITIES TO AT LEAST 5 FEET FROM THE BUILDING. SEE UTILITY DEMOLITION PLAN.

10. REMOVE EXISTING WOOD OR STEEL RAMP OR STAIR ASSEMBLY.

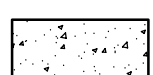
11. REMOVE EXISTING BENCH TO INCLUDE CONCRETE BASE AND/OR SLAB. BACKFILL WITH 95% COMPACTED CLASS II AB IN 6" LIFTS. PATCH EXISTING SURFACING UNLESS IN AN AREA OF NEW PAVING WORK.

12. REMOVE EXISTING SIGN TO INCLUDE POST AND CONCRETE BASE. BACKFILL VOID PER EARTHWORK SPECIFICATIONS, OR WITH CLASS II AB COMPACTED IN 6" LIFTS, EACH TO 95%.

13. EXISTING DRAIN INLET TO REMAIN. REFER TO GRADING AND DRAINAGE PLANS FOR ADDITIONAL INSTRUCTION.

14. AFTER DISCONNECTION OF UTILITIES FROM PORTABLE. CUT CONDUITS BELOW GRADE AND INSTALL 900 SWEEPS UP INTO NEW TRAFFIC RATED ELECTRICAL BOX SET FLUSH WITH EXISTING GRADE. PATCH SURROUNDING PAVING TO MATCH EXISTING SECTION.

15. EXISTING UTILITY VAULT, BOX OR STRUCTURE TO REMAIN. PROTECT FROM DAMAGE.



16. REMOVE EXISTING CONCRETE PAVING AND BASE ROCK. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.

17. SALVAGE BACKSTOP FOR RE-INSTALLATION.

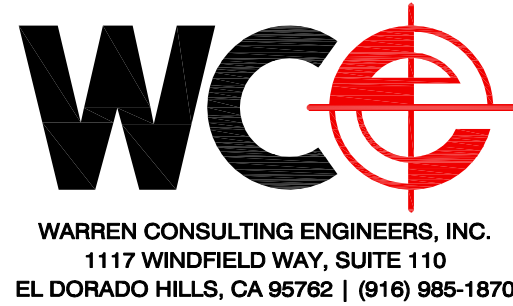


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INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL
DEMOLITION PLAN

CONSULTANT

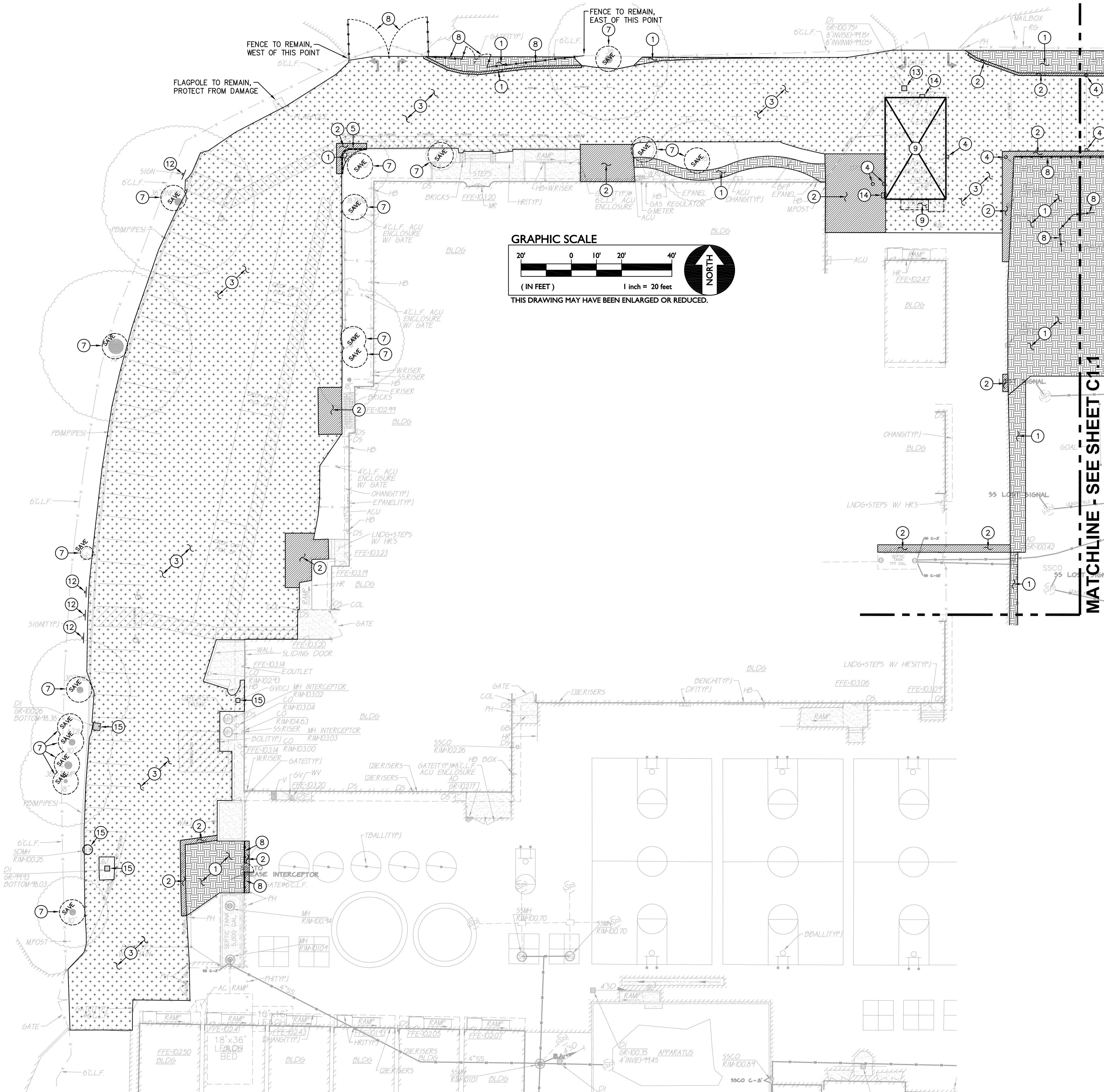


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OF 102 SHEETS




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10. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2014 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
11. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.
12. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
13. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING PLANTING AND IRRIGATION ALONG EDGES OF DEMOLITION AND NEW PAVEMENT. CONTRACTOR SHALL REPAIR ANY DAMAGE, TO INCLUDE NEW IRRIGATION LINES, NEW HEDGES, NEW BARK/MULCH AND NEW SOD TURF WHERE NECESSARY.

DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED ON THIS SHEET.

- AND/OR
LEGEND  DEMOLITION NOTES

 1. REMOVE ALL PLANTS, SHRUBS, EXISTING VEGETATION, AND IRRIGATION SYSTEMS. REFER TO EARTHWORK SPECIFICATIONS FOR ADDITIONAL SITE CLEARING REQUIREMENTS. SEE GENERAL IRRIGATION NOTE, THIS SHEET.
 2. SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND BASE ROCK TO ALLOW FOR NEW PAVING. SAWCUTS SHALL BE NEAT STRAIGHT LINES. IF EDGES BROKEN DURING CONSTRUCTION, PERFORM NEW SAWCUTS JUST PRIOR TO NEW PAVING.
 3. CRACK FILL, PATCH AND CLEAN EXISTING ASPHALT FOR NEW PAVEMENT SEALER. SEE SPECIFICATIONS.
 4. REMOVE EXISTING METAL POST/POLE AND CONCRETE BASE. TAKE CARE NOT TO DAMAGE SURROUNDING PAVING WHEN REMOVING CONCRETE BASE. BACKFILL WITH 95% COMPACTED CLASS II AB IN 6" LIFTS AND PATCH ASPHALT PAVING. MATCH SECTION.
 5. REMOVE EXISTING CONCRETE CURB / CURB GUTTER.
 6. REMOVE EXISTING UTILITY BOX AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER. REFER TO GRADING AND UTILITY PLANS AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 7. EXISTING TREE TO REMAIN AND BE PROTECTED FROM DAMAGE. PROVIDE PROTECTIVE FENCING IF NEEDED.
 8. REMOVE FENCING AND GATES AS SHOWN. REMOVE POST TO INCLUDE CONCRETE FOOTINGS.
 9. REMOVE EXISTING PORTABLE BUILDING COMPLETE WITH ALL STRUCTURE FOOTINGS AND FOUNDATIONS. WOOD, CONCRETE OR OTHER AS FOUND. DISCONNECT AND REMOVE UTILITIES BACK TO NEAREST VAULT, ELECTRICAL BOX OR PANEL WHICH IS TO REMAIN. REMOVE AND CAP WET UTILITIES TO AT LEAST 5 FEET FROM THE BUILDING. SEE UTILITY DEMOLITION PLAN.
 10. REMOVE EXISTING WOOD OR STEEL RAMP OR STAIR ASSEMBLY.
 11. REMOVE EXISTING BENCH TO INCLUDE CONCRETE BASE AND/OR SLAB. BACKFILL WITH 95% COMPACTED CLASS II AB IN 6" LIFTS. PATCH EXISTING SURFACING UNLESS IN AN AREA OF NEW PAVING WORK.
 12. REMOVE EXISTING SIGN TO INCLUDE POST AND CONCRETE BASE. BACKFILL VOID PER EARTHWORK SPECIFICATIONS, OR WITH CLASS II AB COMPACTED IN 6" LIFTS, EACH TO 95%.
 13. EXISTING DRAIN INLET TO REMAIN. REFER TO GRADING AND DRAINAGE PLANS FOR ADDITIONAL INSTRUCTION.
 14. AFTER DISCONNECTION OF UTILITIES FROM PORTABLE, CUT CONDUITS BELOW GRADE AND INSTALL 900 SWEEPS UP INTO NEW TRAFFIC RATED ELECTRICAL BOX SET FLUSH WITH EXISTING GRADE. PATCH SURROUNDING PAVING TO MATCH EXISTING SECTION.
 15. EXISTING UTILITY VAULT, BOX OR STRUCTURE TO REMAIN. PROTECT FROM DAMAGE.
 16. REMOVE EXISTING CONCRETE PAVING AND BASE ROCK. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
 17. SALVAGE BACKSTOP FOR RE-INSTALLATION.



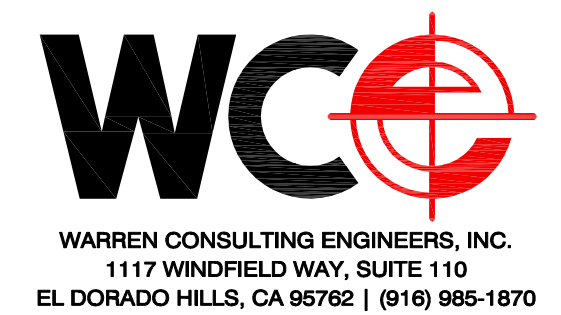
730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

DEMOLITION PLAN

CONSULTANT



PROJECT NO. 18-32-046	REVISIONS	BY
DATE 02/25/2019		
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C1.2

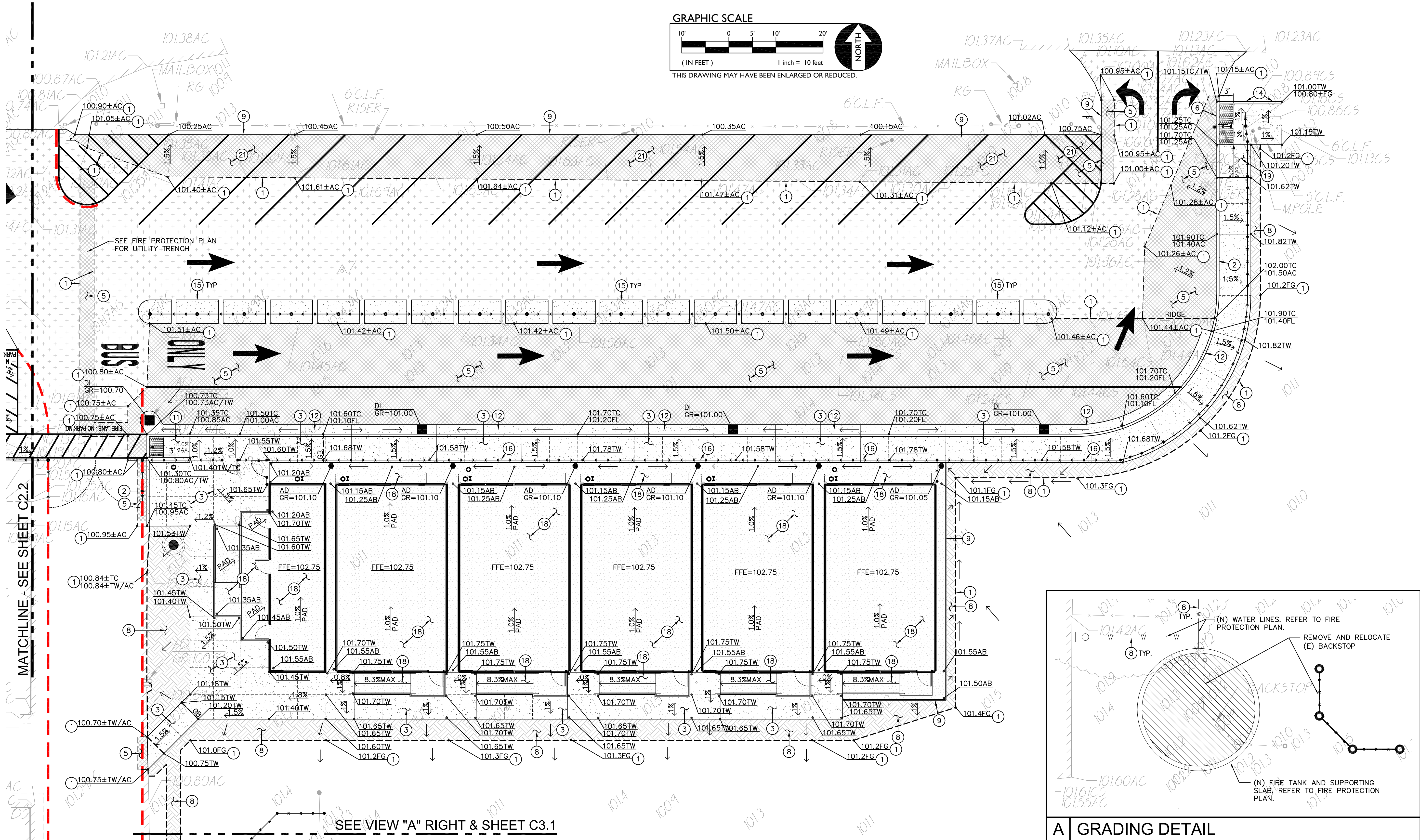


Diagram illustrating the Grading Detail for a fire tank and backstop area. The diagram shows a circular fire tank (hatched) and a hatched backstop. A line indicates the removal and relocation of the backstop. Annotations include: (N) WATER LINES. REFER TO FIRE PROTECTION PLAN. REMOVE AND RELOCATE (E) BACKSTOP. (N) FIRE TANK AND SUPPORTING SLAB. REFER TO FIRE PROTECTION PLAN. The diagram also shows a section line A-A and various elevation points (e.g., 101.4, 101.2, 101.0, 101.3, 101.6, 101.55, 101.60, 101.61, 101.62, 101.63, 101.64, 101.65, 101.66, 101.67, 101.68, 101.69, 101.70, 101.71, 101.72, 101.73, 101.74, 101.75, 101.76, 101.77, 101.78, 101.79, 101.80, 101.81, 101.82, 101.83, 101.84, 101.85, 101.86, 101.87, 101.88, 101.89, 101.90, 101.91, 101.92, 101.93, 101.94, 101.95, 101.96, 101.97, 101.98, 101.99, 102.00, 102.01, 102.02, 102.03, 102.04, 102.05, 102.06, 102.07, 102.08, 102.09, 102.10, 102.11, 102.12, 102.13, 102.14, 102.15, 102.16, 102.17, 102.18, 102.19, 102.20, 102.21, 102.22, 102.23, 102.24, 102.25, 102.26, 102.27, 102.28, 102.29, 102.30, 102.31, 102.32, 102.33, 102.34, 102.35, 102.36, 102.37, 102.38, 102.39, 102.40, 102.41, 102.42, 102.43, 102.44, 102.45, 102.46, 102.47, 102.48, 102.49, 102.50, 102.51, 102.52, 102.53, 102.54, 102.55, 102.56, 102.57, 102.58, 102.59, 102.60, 102.61, 102.62, 102.63, 102.64, 102.65, 102.66, 102.67, 102.68, 102.69, 102.70, 102.71, 102.72, 102.73, 102.74, 102.75, 102.76, 102.77, 102.78, 102.79, 102.80, 102.81, 102.82, 102.83, 102.84, 102.85, 102.86, 102.87, 102.88, 102.89, 102.90, 102.91, 102.92, 102.93, 102.94, 102.95, 102.96, 102.97, 102.98, 102.99, 103.00, 103.01, 103.02, 103.03, 103.04, 103.05, 103.06, 103.07, 103.08, 103.09, 103.10, 103.11, 103.12, 103.13, 103.14, 103.15, 103.16, 103.17, 103.18, 103.19, 103.20, 103.21, 103.22, 103.23, 103.24, 103.25, 103.26, 103.27, 103.28, 103.29, 103.30, 103.31, 103.32, 103.33, 103.34, 103.35, 103.36, 103.37, 103.38, 103.39, 103.40, 103.41, 103.42, 103.43, 103.44, 103.45, 103.46, 103.47, 103.48, 103.49, 103.50, 103.51, 103.52, 103.53, 103.54, 103.55, 103.56, 103.57, 103.58, 103.59, 103.60, 103.61, 103.62, 103.63, 103.64, 103.65, 103.66, 103.67, 103.68, 103.69, 103.70, 103.71, 103.72, 103.73, 103.74, 103.75, 103.76, 103.77, 103.78, 103.79, 103.80, 103.81, 103.82, 103.83, 103.84, 103.85, 103.86, 103.87, 103.88, 103.89, 103.90, 103.91, 103.92, 103.93, 103.94, 103.95, 103.96, 103.97, 103.98, 103.99, 104.00, 104.01, 104.02, 104.03, 104.04, 104.05, 104.06, 104.07, 104.08, 104.09, 104.10, 104.11, 104.12, 104.13, 104.14, 104.15, 104.16, 104.17, 104.18, 104.19, 104.20, 104.21, 104.22, 104.23, 104.24, 104.25, 104.26, 104.27, 104.28, 104.29, 104.30, 104.31, 104.32, 104.33, 104.34, 104.35, 104.36, 104.37, 104.38, 104.39, 104.40, 104.41, 104.42, 104.43, 104.44, 104.45, 104.46, 104.47, 104.48, 104.49, 104.50, 104.51, 104.52, 104.53, 104.54, 104.55, 104.56, 104.57, 104.58, 104.59, 104.60, 104.61, 104.62, 104.63, 104.64, 104.65, 104.66, 104.67, 104.68, 104.69, 104.70, 104.71, 104.72, 104.73, 104.74, 104.75, 104.76, 104.77, 104.78, 104.79, 104.80, 104.81, 104.82, 104.83, 104.84, 104.85, 104.86, 104.87, 104.88, 104.89, 104.90, 104.91, 104.92, 104.93, 104.94, 104.95, 104.96, 104.97, 104.98, 104.99, 105.00, 105.01, 105.02, 105.03, 105.04, 105.05, 105.06, 105.07, 105.08, 105.09, 105.10, 105.11, 105.12, 105.13, 105.14, 105.15, 105.16, 105.17, 105.18, 105.19, 105.20, 105.21, 105.22, 105.23, 105.24, 105.25, 105.26, 105.27, 105.28, 105.29, 105.30, 105.31, 105.32, 105.33, 105.34, 105.35, 105.36, 105.37, 105.38, 105.39, 105.40, 105.41, 105.42, 105.43, 105.44, 105.45, 105.46, 105.47, 105.48, 105.49, 105.50, 105.51, 105.52, 105.53, 105.54, 105.55, 105.56, 105.57, 105.58, 105.59, 105.60, 105.61, 105.62, 105.63, 105.64, 105.65, 105.66, 105.67, 105.68, 105.69, 105.70, 105.71, 105.72, 105.73, 105.74, 105.75, 105.76, 105.77, 105.78, 105.79, 105.80, 105.81, 105.82, 105.83, 105.84, 105.85, 105.86, 105.87, 105.88, 105.89, 105.90, 105.91, 105.92, 105.93, 105.94, 105.95, 105.96, 105.97, 105.98, 105.99, 106.00, 106.01, 106.02, 106.03, 106.04, 106.05, 106.06, 106.07, 106.08, 106.09, 106.10, 106.11, 106.12, 106.13, 106.14, 106.15, 106.16, 106.17, 106.18, 106.19, 106.20, 106.21, 106.22, 106.23, 106.24, 106.25, 106.26, 106.27, 106.28, 106.29, 106.30, 106.31, 106.32, 106.33, 106.34, 106.35, 106.36, 106.37, 106.38, 106.39, 106.40, 106.41, 106.42, 106.43, 106.44, 106.45,

MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C.

CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED. (3 C6.1)





CONSTRUCT CONCRETE SIDEWALK, PLACE 5" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 4" COMPACTED CLASS II AB, COMPACTED TO 95%. SEE SPECIFICATIONS AND TYPICAL DETAILS PROVIDED. (1 C6.1)

CONSTRUCT TYPE 1 CONCRETE CURB RAMP PER THE DETAIL PROVIDED. (1 C6.2)

PLACE 4.5" TYPE B ASPHALT PAVING OVER 10.5" COMPACTED CLASS II AB ON COMPACTED SUBGRADE, OR MATCH EXISTING AC PAVING SECTION, WHICHEVER IS GREATER.

CONSTRUCT FLUSH CONCRETE EDGE WITH TRUNCATED DOMES PER THE DETAIL PROVIDED. (4 C6.1) (5 C6.1)

7. REMOVE EXISTING UTILITY BOX AND PROVIDE NEW CONCRETE BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY AND SET FLUSH WITH PROPOSED FINISHED GRADE.
8. PATCH BACK EXISTING LANDSCAPING TO MATCH EXISTING CONDITIONS. PROVIDE NEW SOD IN LAWN AREAS UNLESS EXISTING SOD CAN BE SALVAGED AND RE-LAIN. REPAIR AND/OR REPLACE SPRINKLER LINES AND HEADS AS NEEDED.
9. CONSTRUCT REDWOOD HEADER AT AC EDGE OR AB BUILDING PAD EDGE PER THE DETAIL.
10. REFER TO ARCH. PLANS FOR ALL NEW FENCING AND GATES.
11. CONSTRUCT TYPE 2 CONCRETE CURB RAMP PER THE DETAIL PROVIDED.
12. CONSTRUCT CONCRETE CURB GUTTER PER THE DETAIL PROVIDED.

13. TAPER CURB HEIGHT FROM 6" REVEAL TO FLUSH CONDITION BETWEEN GRADES SHOWN.
14. CONSTRUCT FLUSH CONCRETE CURB PER THE DETAIL PROVIDED. 
15. CONSTRUCT CONCRETE MEDIAN WITH 4' CHAIN LINK FENCE AND FLOW THROUGH CHANNELS PER THE DETAIL PROVIDED. 
16. CONSTRUCT THICKENED CONCRETE EDGE AND FENCE AT BACK OF WALK PER THE DETAIL PROVIDED. 
17. CONSTRUCT RAISED CONCRETE APRON AND FENCE PER THE DETAIL PROVIDED. 
18. PLACE 8" COMPACTED CLASS II AB PORTABLE BUILDING PAD ON 12" DEEP SCARIFIED RE-COMPACTED SUBGRADE. REFER TO EARTHWORK SPECIFICATIONS.

19. CONSTRUCT TYPE 3 CONCRETE CURB RAMP PER THE DETAIL PROVIDED.
20. A VERTICAL DROP BEYOND EDGE OF EXISTING ASPHALT INTO PLANTER SHALL NOT EXCEED 4" VERTICAL DROP. INFILL PLANTER WITH APPROPRIATE FILL NEEDED.
21. PLACE 3" TYPE B ASPHALT PAVING OVER 6" COMPACTED CLASS II AB ON COMPACTED SUBGRADE, OR MATCH EXISTING AC PAVING SECTION, WHICHEVER IS GREATER.



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

GRADING AND PAVING PLAN

WCE

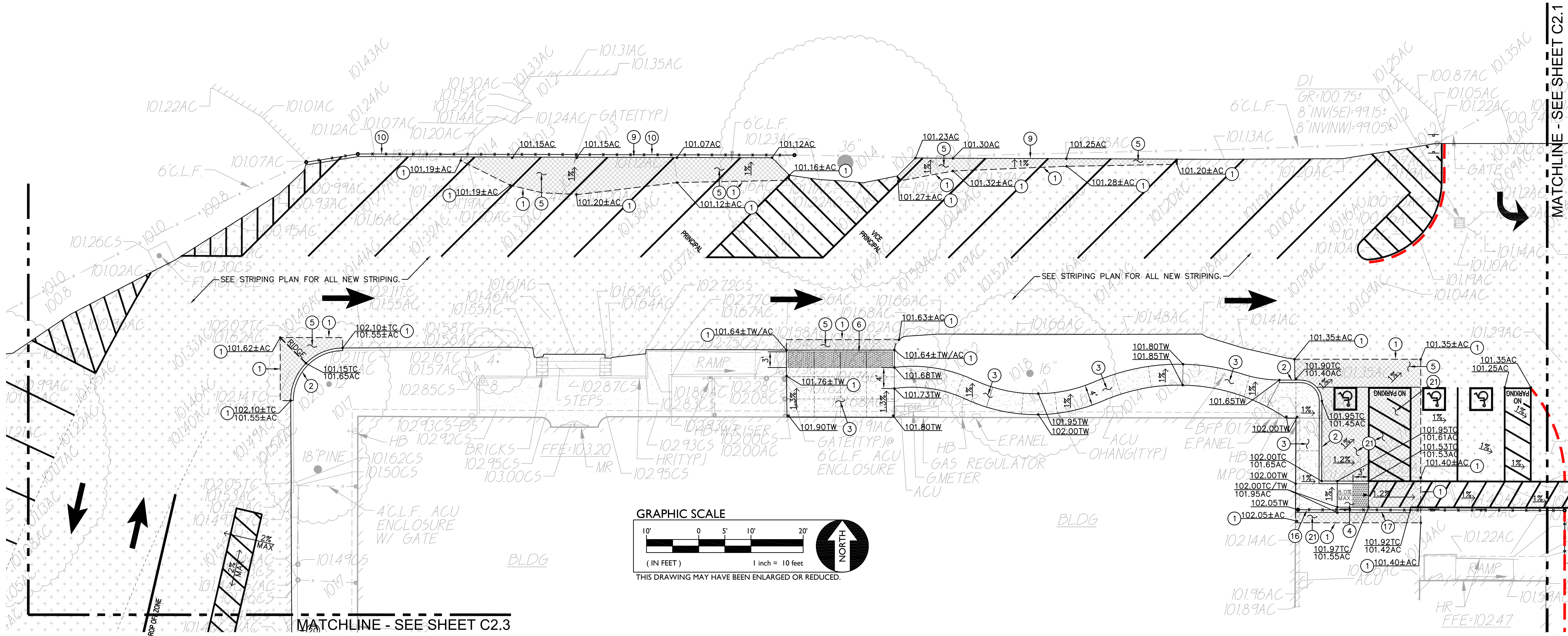
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1877

PROJECT NO. 18-32-046	REVISIONS	BY
DATE 02/25/2019		
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CHECKED TF		
SCALE		
CADFILE		
UPDATED		

SHEET NO.

C2.1

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○ GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C.
2. CONSTRUCT CONCRETE CURB PER THE DETAIL PROVIDED.
3. CONSTRUCT CONCRETE SIDEWALK, PLACE 5" PCC WITH #4 REBAR AT 24" O.C.E.W. OVER 4" COMPACTED CLASS II AB, COMPACTED TO 95%. SEE SPECIFICATIONS AND TYPICAL DETAILS PROVIDED.
4. CONSTRUCT TYPE 1 CONCRETE CURB RAMP PER THE DETAIL PROVIDED.
5. PLACE 4.5" TYPE B ASPHALT PAVING OVER 10.5" COMPACTED CLASS II AB ON COMPACTED SUBGRADE, OR MATCH EXISTING AC PAVING SECTION, WHICHEVER IS GREATER.
6. CONSTRUCT FLUSH CONCRETE EDGE WITH TRUNCATED DOMES PER THE DETAIL PROVIDED.
7. REMOVE EXISTING UTILITY BOX AND PROVIDE NEW CONCRETE BOX OF SAME SIZE AND APPROPRIATE FOR UTILITY AND SET FLUSH WITH PROPOSED FINISHED GRADE.
8. PATCH BACK EXISTING LANDSCAPING TO MATCH EXISTING CONDITIONS. PROVIDE NEW SOD IN LAWN AREAS UNLESS EXISTING SOD CAN BE SALVAGED AND RE-LAIN. REPAIR AND/OR REPLACE SPRINKLER LINES AND HEADS AS NEEDED.
9. CONSTRUCT REDWOOD HEADER AT AC EDGE OR AB BUILDING PAD EDGE PER THE DETAIL.
10. REFER TO ARCH. PLANS FOR ALL NEW FENCING AND GATES.
11. CONSTRUCT TYPE 2 CONCRETE CURB RAMP PER THE DETAIL PROVIDED.
12. CONSTRUCT CONCRETE CURB GUTTER PER THE DETAIL PROVIDED.
13. TAPER CURB HEIGHT FROM 6" REVEAL TO FLUSH CONDITION BETWEEN GRADES SHOWN.
14. CONSTRUCT FLUSH CONCRETE CURB PER THE DETAIL PROVIDED.
15. CONSTRUCT CONCRETE MEDIAN WITH 4" CHAIN LINK FENCE AND FLOW THROUGH CHANNELS PER THE DETAIL PROVIDED.
16. CONSTRUCT THICKENED CONCRETE EDGE AND FENCE AT BACK OF WALK PER THE DETAIL PROVIDED.
17. CONSTRUCT RAISED CONCRETE APRON AND FENCE PER THE DETAIL PROVIDED.
18. PLACE 8" COMPACTED CLASS II AB PORTABLE BUILDING PAD ON 12" DEEP SCARIFIED AND RE-COMPACTED SUBGRADE. REFER TO EARTHWORK SPECIFICATIONS.
19. CONSTRUCT TYPE 3 CONCRETE CURB RAMP PER THE DETAIL PROVIDED.
20. A VERTICAL DROP BEYOND EDGE OF EXISTING ASPHALT INTO PLANTER SHALL NOT EXCEED 4" VERTICAL DROP. INFILL PLANTER WITH APPROPRIATE FILL NEEDED.
21. PLACE 3" TYPE B ASPHALT PAVING OVER 6" COMPACTED CLASS II AB ON COMPACTED SUBGRADE, OR MATCH EXISTING AC PAVING SECTION, WHICHEVER IS GREATER.



FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL
GRADING AND PAVING PLAN

CONSULTANT



PROJECT NO.	REVISIONS	BY
18-32-046		
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SHEET NO.

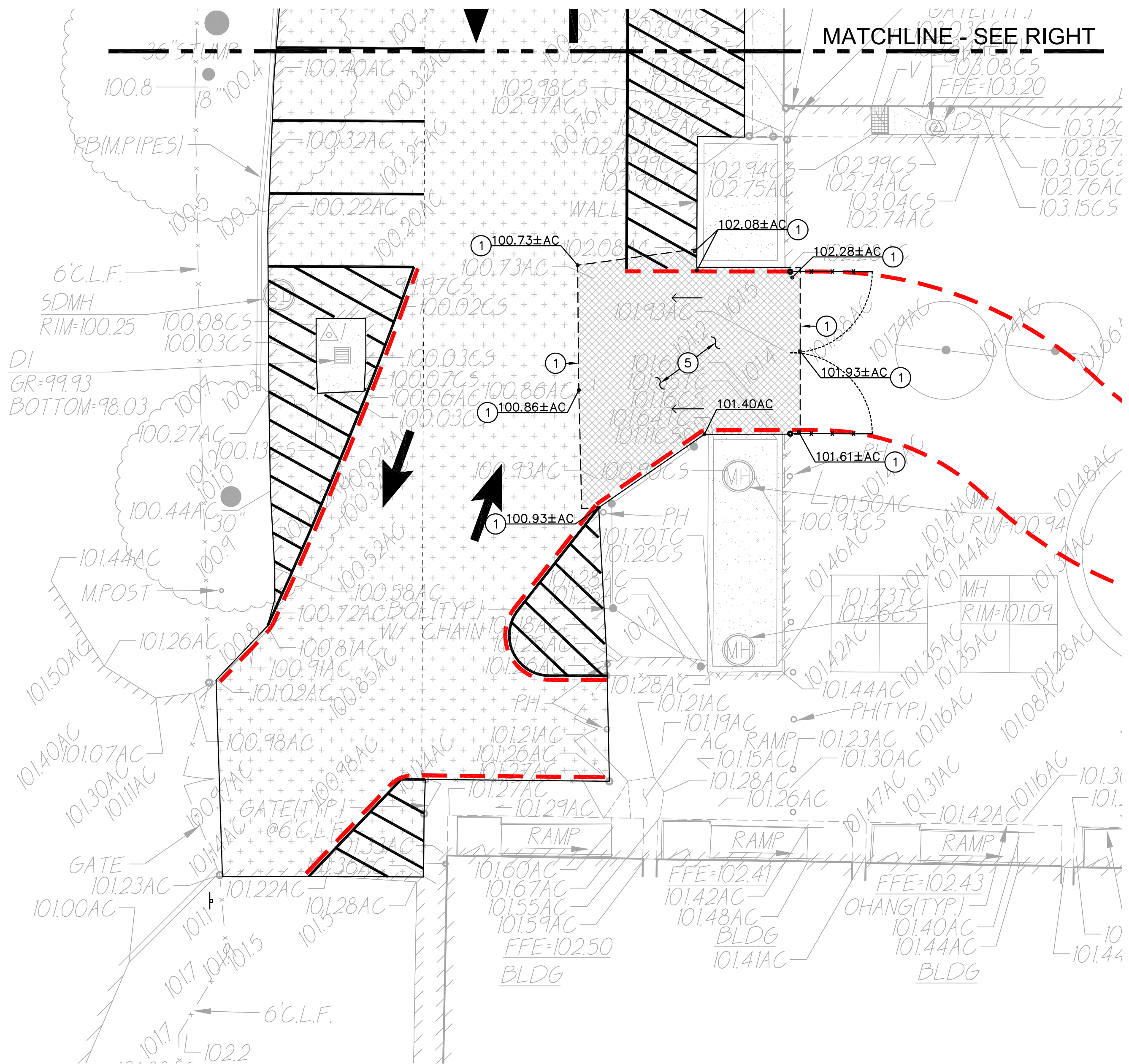
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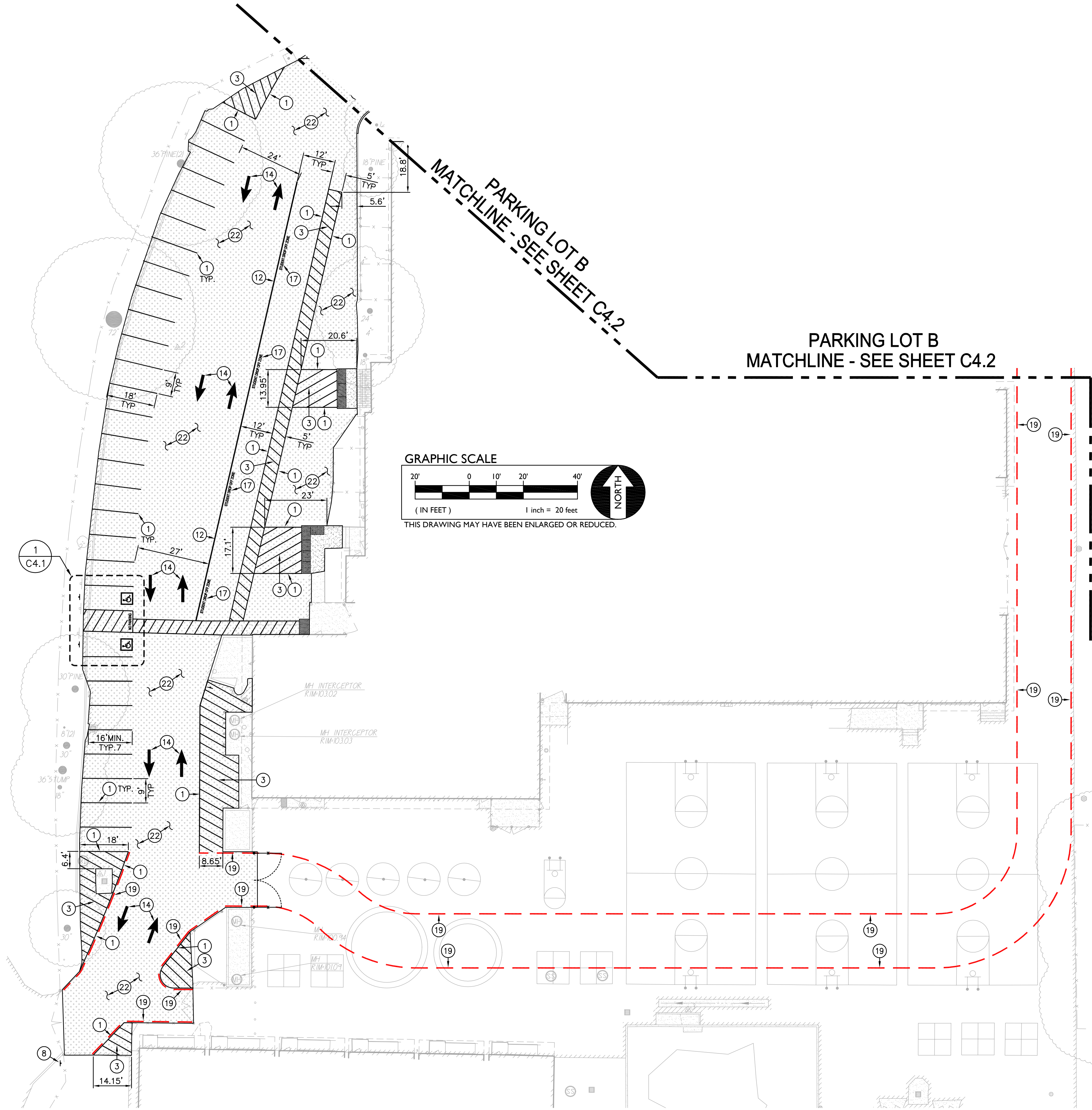
OF 102 SHEETS

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GRADING NOTES

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- CONSTRUCT CONCRETE MEDIAN WITH 4' CHAIN LINK FENCE AND FLOW THROUGH CHANNELS PER THE DETAIL PROVIDED.
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- CONSTRUCT RAISED CONCRETE APRON AND FENCE PER THE DETAIL PROVIDED.
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- PLACE 3" TYPE B ASPHALT PAVING OVER 6" COMPACTED CLASS II AB ON COMPACTED SUBGRADE, OR MATCH EXISTING AC PAVING SECTION, WHICHEVER IS GREATER.





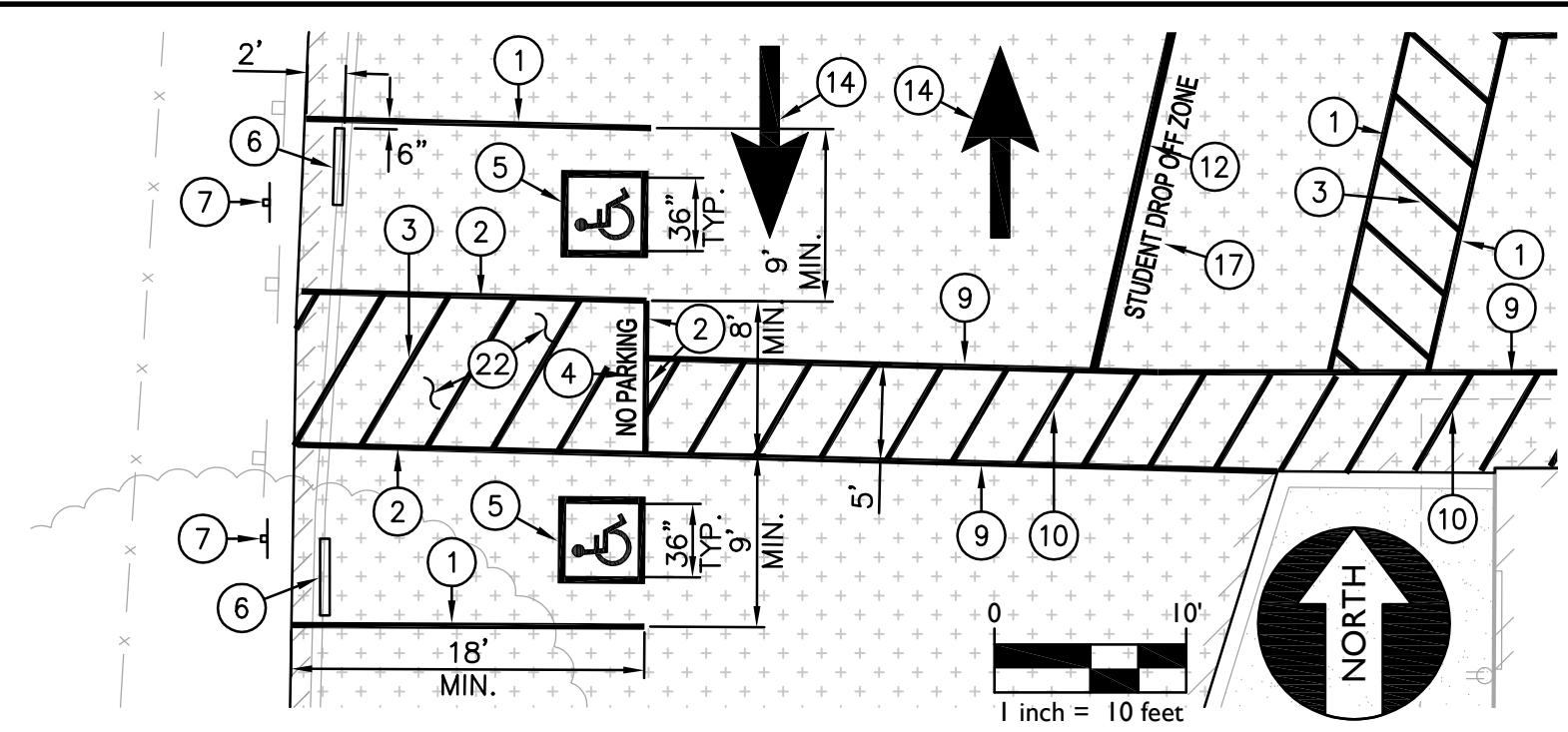
STRIPING SIGNAGE & EQUIPMENT LEGEND

- # PARKING AND DRIVE STRIPING NOTES
1. PAINT 4" WIDE WHITE STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
 2. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING ZONE AS SHOWN.
 3. PAINT WHITE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30' FROM PERPENDICULAR WITH PERIMETER STRIPING.
 4. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
 5. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN THE PROVIDED DETAIL.
 6. PLACE 48" LONG CONCRETE WHEEL STOP PER THE DETAIL PROVIDED.
 7. INSTALL ACCESSIBLE PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL.
 8. INSTALL ACCESSIBLE PARKING TOW AWAY SIGN PER THE DETAIL PROVIDED.
 9. PAINT 4" WIDE YELLOW STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
 10. PAINT YELLOW CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C.
 11. PAINT "BUS" AND "ONLY" LEGEND PER CALTRANS STANDARD PLAN A24E.
 12. PAINT 6" WIDE WHITE STRIP.
 13. INSTALL WRONG WAY, DO NOT ENTER SIGN PER THE DETAIL PROVIDED.
 14. PAINT CALTRANS STANDARD TYPE I (10') ARROW, CALTRANS STANDARD A24A.
 15. PAINT CALTRANS STANDARD TYPE IV ARROW, LEFT OR RIGHT AS SHOWN AND PER CALTRANS STANDARD A24A.
 16. INSTALL "BUS ONLY" SIGN PER THE DETAIL PROVIDED.
 17. PAINT LEGEND "STUDENT DROP OFF ZONE" IN 4' TALL MIN. WHITE LETTERING.
 18. PAINT CURB TOP AND FACE RED. OVER RED PAINT, PAINT 4" TALL WHITE LETTERING CENTERED ON FACE OF CURB STATING "NO PARKING - FIRE LANE" AT 25' O.C.
 19. PAINT 6" WIDE RED STRIPE ON PAVEMENT, OVER RED PAINT, PAINT 4" TALL WHITE LETTERING CENTERED IN STRIPE STATING "NO PARKING - FIRE LANE" AT 25' O.C. PAINT STRIPE IMMEDIATELY ADJACENT TO EXISTING OR NEW STRIPING, WHERE OCCURS.
 20. PAINT LEGEND "PRINCIPAL" IN 12" TALL MIN. WHITE LETTERING.
 21. PAINT LEGEND "VICE PRINCIPAL" IN 12" TALL MIN. WHITE LETTERING.
 22. PLACE 2 COATS MIN. PAVEMENT SEALER ON CLEANED AND PREPARED PAVEMENT.

PARKING LOT A CALCULATIONS

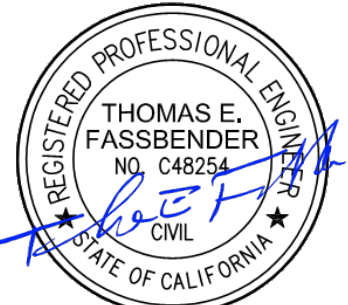
PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	25	28
ACCESSIBLE PARKING SPACES	4	2
OVERALL TOTAL PARKING SPACES	29	30

ACCESSIBLE SPACE REQUIREMENTS	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	1	1
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2016 CBC SECTION 11B-208.2)	2	2



1 DETAILED STRIPING PLAN

SCALE 1" = 10'-0"



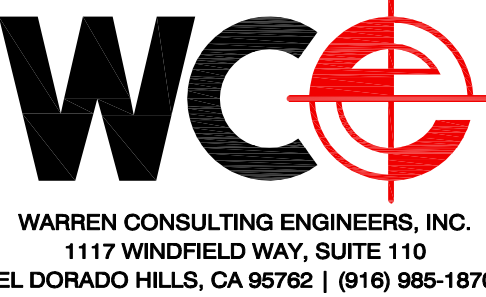
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Sacramento, CA 95825
Phone: 916.921.2112
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INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

SITE STRIPING AND
SIGNAGE PLAN

CONSULTANT



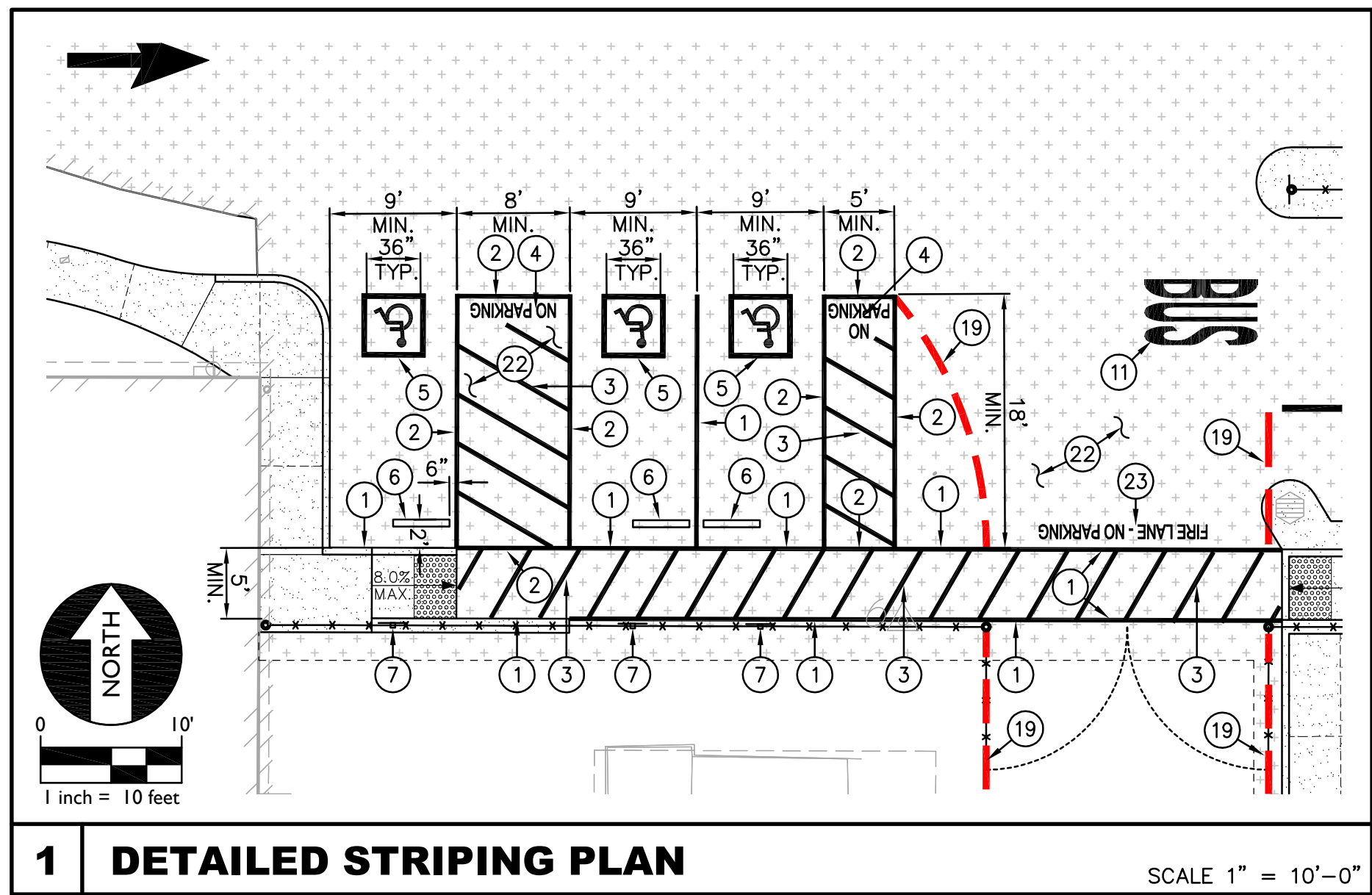
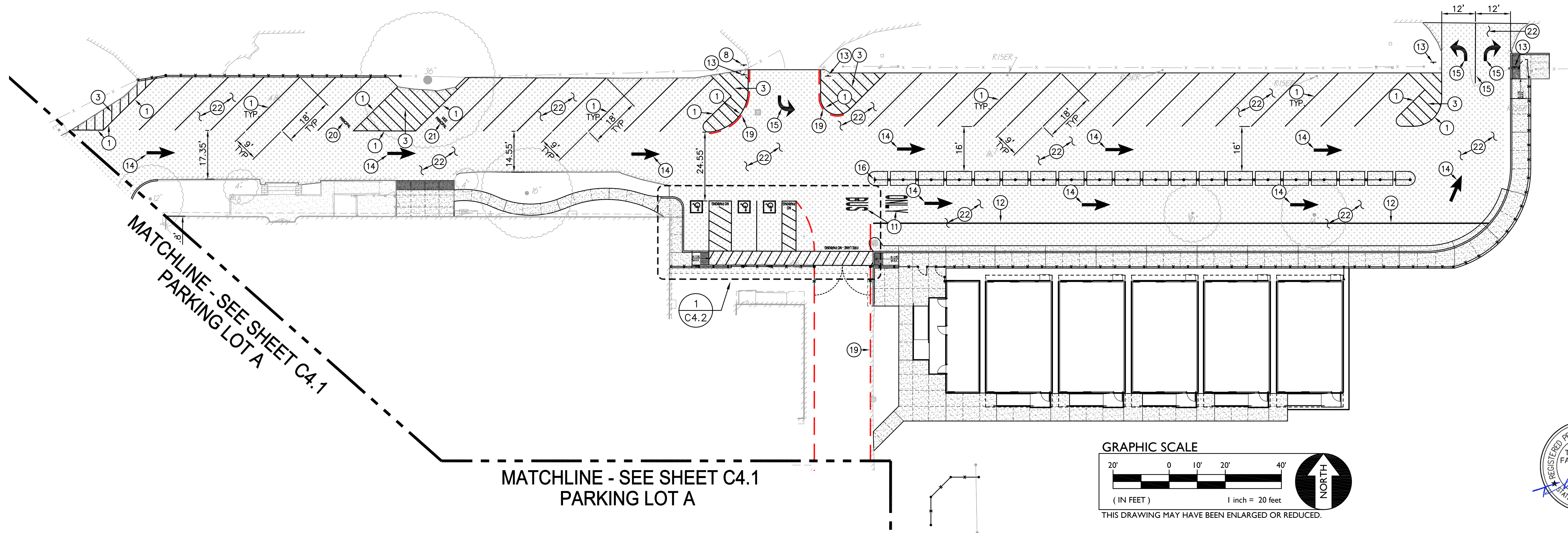
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

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PARKING LOT B CALCULATIONS

PARKING TOTALS	EXISTING	PROPOSED
STANDARD PARKING STALLS	9	31
ACCESSIBLE PARKING SPACES	0	3
OVERALL TOTAL PARKING SPACES	9	34

ACCESSIBLE SPACE REQUIREMENTS	REQUIRED	PROVIDED
REQUIRED ACCESSIBLE SPACES (CAR)	1	2
REQUIRED ACCESSIBLE SPACES (VAN)	1	1
TOTAL REQUIRED ACCESSIBLE SPACES (PER 2016 CBC SECTION 11B-208.2)	2	3

STRIPING SIGNAGE & EQUIPMENT LEGEND

1. PAINT 4" WIDE WHITE STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
2. PAINT 4" WIDE BLUE STRIPING AROUND PERIMETER OF ACCESSIBLE LOADING ZONE AS SHOWN.
3. PAINT WHITE CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C. AND 30' FROM PERPENDICULAR WITH PERIMETER STRIPING.
4. PAINT 12" HIGH WHITE LETTERING EXPRESSING "NO PARKING".
5. PAINT INTERNATIONAL SYMBOL FOR ACCESSIBILITY PARKING STALL SYMBOL IN ACCORDANCE WITH THE DIMENSIONS AND COLORING SHOWN IN THE PROVIDED DETAIL.
6. PLACE 48" LONG CONCRETE WHEEL STOP PER THE DETAIL PROVIDED.
7. INSTALL ACCESSIBLE PARKING SIGN PER THE DETAIL PROVIDED. WHERE SHOWN ON PLAN AS "VAN" ACCESSIBLE STALL, PROVIDE EXTRA "VAN ACCESSIBLE" SIGN AS SHOWN IN DETAIL.
8. INSTALL ACCESSIBLE PARKING TOW AWAY SIGN PER THE DETAIL PROVIDED.
9. PAINT 4" WIDE YELLOW STRIPING IN LAYOUT AND PER THE DIMENSIONS SHOWN.
10. PAINT YELLOW CROSS HATCH STRIPING. STRIPES SHALL BE 4" WIDE AND 36" O.C.
11. PAINT "BUS" AND "ONLY" LEGEND PER CALTRANS STANDARD PLAN A24E.
12. PAINT 6" WIDE WHITE STRIP.
13. INSTALL WRONG WAY, DO NOT ENTER SIGN PER THE DETAIL PROVIDED.
14. PAINT CALTRANS STANDARD TYPE I (10') ARROW, CALTRANS STANDARD A24A.
15. PAINT CALTRANS STANDARD TYPE IV ARROW, LEFT OR RIGHT AS SHOWN AND PER CALTRANS STANDARD A24A.
16. INSTALL "BUS ONLY" SIGN PER THE DETAIL PROVIDED.
17. PAINT LEGEND "STUDENT DROP OFF ZONE" IN 4' TALL MIN. WHITE LETTERING.
18. PAINT CURB TOP AND FACE RED. OVER RED PAINT, PAINT 4" TALL WHITE LETTERING CENTERED ON FACE OF CURB STATING "NO PARKING - FIRE LANE" AT 25' O.C.
19. PAINT 6" WIDE RED STRIPE ON PAVEMENT. OVER RED PAINT, PAINT 4" TALL WHITE LETTERING CENTERED IN STRIPE STATING "NO PARKING - FIRE LANE" AT 25' O.C. PAINT STRIPE IMMEDIATELY ADJACENT TO EXISTING OR NEW STRIPING, WHERE OCCURS.
20. PAINT LEGEND "PRINCIPAL" IN 12" TALL MIN. WHITE LETTERING.
21. PAINT LEGEND "VICE PRINCIPAL" IN 12" TALL MIN. WHITE LETTERING.
22. PLACE 2 COATS MIN. PAVEMENT SEALER ON CLEANED AND PREPARED PAVEMENT.
23. PAINT LEGEND "FIRE LANE - NO PARKING" IN 12" TALL MIN. WHITE LETTERING.

FILE NO. 39-50 APP NO. 02-117209

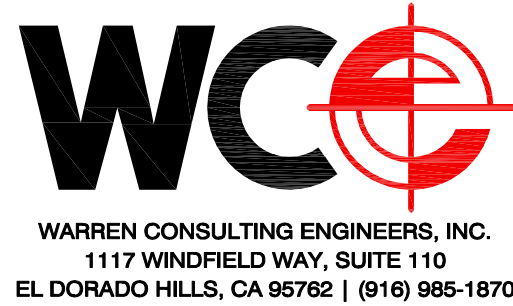
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INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

SITE STRIPING AND
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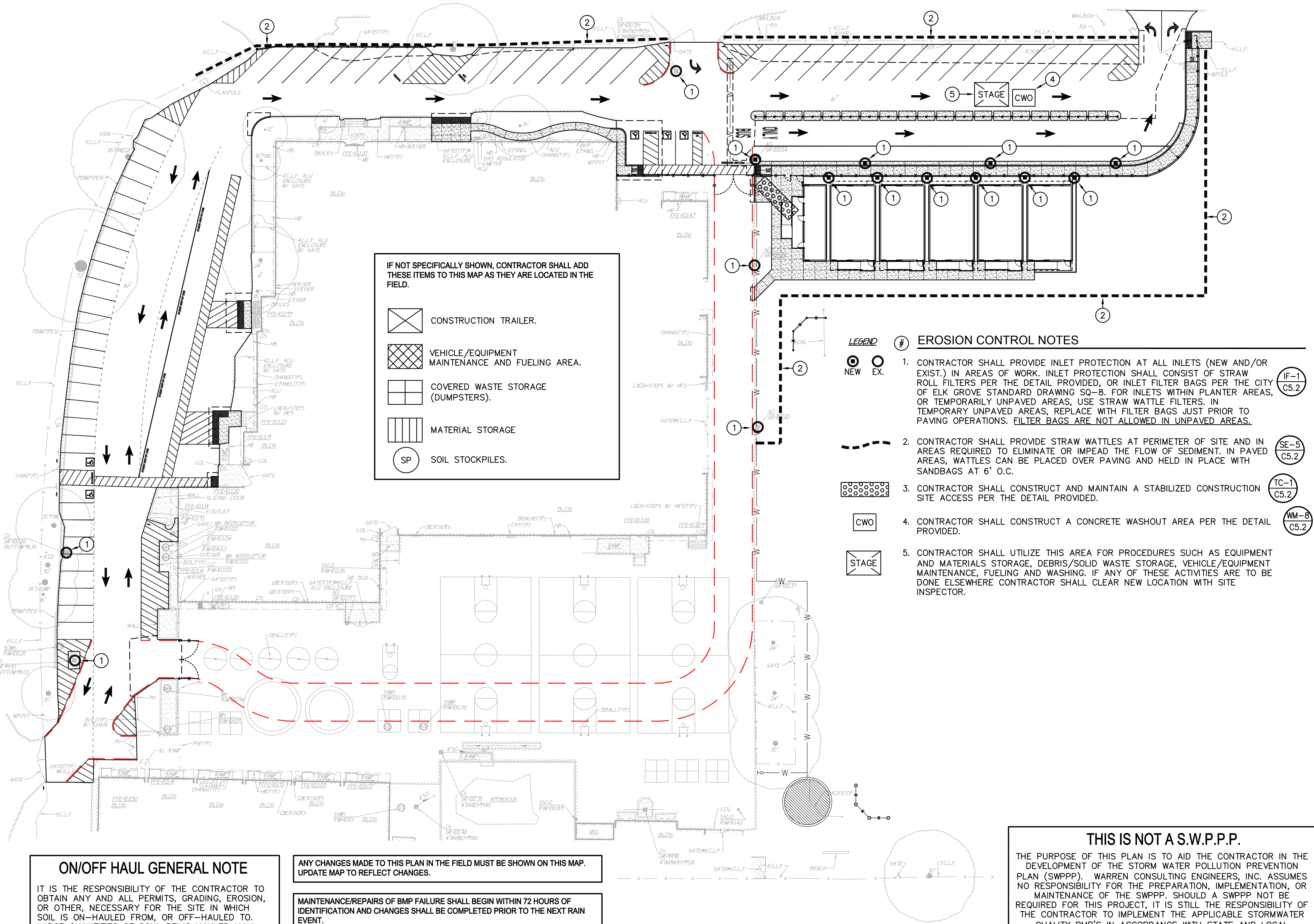
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GENERAL BMP NOTES:

- EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE CONTRACTOR SWPPP, PREPARED SPECIFICALLY FOR THIS PROJECT, AND IN ACCORDANCE WITH THE STATE'S GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES. ACCORDING TO STATE LAW IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER THAT THE APPLICABLE STORMWATER ORDINANCES ARE COMPLIED WITH AND BMP'S ARE IMPLEMENTED. SHOULD A SWPPP NOT BE REQUIRED WITH THIS PROJECT, IT IS STILL THE RESPONSIBILITY OF THE CONTRACTOR TO EMPLOY PROPER BMP'S TO PROTECT THE SITE FROM AN ILLEGAL NON-STORM WATER DISCHARGE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT AND MAINTAIN ALL BMP'S. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR COMPLIANCE WITH ALL LOCAL AND STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE STRAW WATTLE RINGS AT ALL INLETS (NEW AND/OR EXISTING) THAT RECEIVE FLOW FROM AREAS OF WORK, AND AS INDICATED IN THE SWPPP. FILTER BAGS WILL ONLY BE ACCEPTED WHEN INLETS ARE SURROUNDED BY PAVED SURFACES, OR FINISHED LANDSCAPED AREAS. THEY WILL NOT BE ALLOWED IN NEWLY GRADED AREAS.
- CONTRACTOR SHALL PROVIDE STRAW WATTLE/SILT FENCING AT PERIMETER OF SITE AS REQUIRED TO MITIGATE SEDIMENT IN RUN OFF.
- CONTRACTOR SHALL STABILIZE DISTURBED SOIL AREAS WITH TEMPORARY EROSION CONTROL PRIOR TO ANTICIPATED RAIN EVENTS. EROSION CONTROLS SUCH AS STRAW MULCH AND TACKIFIER, EROSION CONTROL BLANKETING, UV RESISTANT PLASTIC (OR EQUIVALENT) SHOULD BE USED.
- CONSTRUCTION STAGING AND SPOILS STORAGE SHALL BE LOCATED ON EXISTING PAVED AREAS OR PREVIOUSLY DISTURBED AREAS, AND SHALL BE COVERED WITH TEMPORARY BMP'S WHEN NOT IN USE. BMP'S SUCH AS UV RESISTANT PLASTIC SHEETING SECURED WITH GRAVEL BAGS/ROPE (OR EQUIVALENT STABILIZATION) MAY BE USED.
- CONTRACTOR SHALL MAINTAIN ALL STRAW WATTLES/SILT FENCING, TEMPORARY EROSION CONTROLS AND OTHER BMP'S AS NEEDED THROUGHOUT CONSTRUCTION, REMOVE ALL TEMPORARY BMP'S AT THE END OF CONSTRUCTION AS REQUIRED.
- PRIOR TO PLACEMENT OF LANDSCAPING AND/OR FINISHED GROUND SEEDING, CONTRACTOR SHALL REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
- CONTRACTOR SHALL REVEGETATE AND STABILIZE ALL AREAS DISTURBED BY GRADING. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH 9 CESS/CEV APPROVED SEED AND MULCH PRESCRIPTION. ALL LANDSCAPED AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER.
- INACTIVE AREA STABILIZATION: COVER WITH STRAW MULCH AND TACKIFIER IF INACTIVE FOR MORE THAN 14 DAYS.
- IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
- CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS. ONLY CLEAR WATER IS TO BE DISCHARGED INTO THE EXISTING DRAINAGE SYSTEM. IF PUMPING IS NECESSARY, FILTERS WILL BE REQUIRED TO ENSURE THAT ONLY CLEAR WATER IS DISCHARGED FROM THE SITE, PER CITY OF SACRAMENTO STANDARDS. THE CONTRACTOR SHALL VERIFY THE DISCHARGE POINT WITH THE CITY INSPECTOR. THE CONTRACTOR SHALL VERIFY THAT THE POINT OF DISCHARGE CAN HANDLE THE VELOCITY AND QUANTITY OF FLOW.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
- PROVIDE CONCRETE STAMPS OR EXPOSED PLACARD FOR PERMANENT STORM DRAINAGE MESSAGE "NO DUMPING FLOWS TO CREEK", PER THE DETAIL PROVIDED.
- ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
- CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED.
- CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED THROUGH THE AREA AND ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.

THIS IS NOT A S.W.P.P.P.

THE PURPOSE OF THIS PLAN IS TO AID THE CONTRACTOR IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). WARREN CONSULTING ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR THE PREPARATION, IMPLEMENTATION, OR MAINTENANCE OF THE SWPPP. SHOULD A SWPPP NOT BE REQUIRED FOR THIS PROJECT, IT IS STILL THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THE APPLICABLE STORMWATER QUALITY BMP'S IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. THE BMP'S AS SHOWN ON THIS PLAN ARE NOT "REQUIRED" HOWEVER THEY ARE RECOMMENDED TO COMPLY WITH STORMWATER QUALITY ORDINANCES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT HIS/HER OWN METHODS AND PRODUCTS TO COMPLY WITH THESE ORDINANCES.

PROJECT INFORMATION

PROJECT NAME:	RELOCATABLE BUILDINGS HOUSTON MIDDLE SCHOOL ACAMPO, CA
SWPPP REQUIRED:	NO (>1 ACRE DISTURBED)
RISK LEVEL:	N/A
EROSIVITY WAIVER POSSIBLE:	N/A
PARCEL AREA	~8.57 ACRES
ON-SITE DISTURBED AREA	0.67 ACRES
OFF-SITE DISTURBED AREA	0.00 ACRES
TOTAL DISTURBED AREA	0.67 ACRES

CONSTRUCTION SCHEDULE (ESTIMATED)

ACTIVITY	BEGIN	END
GRADING/UTILITIES	—	—
PAVING/LANDSCAPING	—	—

ON/OFF HAUL GENERAL NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL PERMITS, GRADING, EROSION, OR OTHER, NECESSARY FOR THE SITE IN WHICH SOIL IS ON-HAULED FROM, OR OFF-HAULED TO. LARGE QUANTITIES OF SOIL BEING HAULED MAY BE SUBJECT TO HAUL ROUTE APPROVAL AND SHALL BE DISCUSSED WITH SITE INSPECTOR. IF HAUL ROUTE APPROVAL IS REQUIRED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP THIS PLAN AND GAIN APPROVAL.

ANY CHANGES MADE TO THIS PLAN IN THE FIELD MUST BE SHOWN ON THIS MAP. UPDATE MAP TO REFLECT CHANGES.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

SEDIMENT AND EROSION CONTROL MEASURES ON THIS PLAN ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

SITE CONDITION	DUST CONTROL PRACTICES							HAUL TRUCK COVERS	MINIMIZE EXTENT OF DISTURBED AREA
	PERMANENT VEGETATION	MULCHING	WET SUPPRESSION (WATERING)	CHEMICAL DUST SUPPRESSION	GRAVEL OR ASPHALT	SILT FENCES	TEMPORARY GRAVEL CONSTRUCTION ENTRANCES AND EQUIPMENT WASHDOWN		
DISTURBED AREAS (NON-TRAFFIC)	X	X	X	X	X	X	X	X	X
DISTURBED AREAS (TRAFFIC)		X	X	X	X	X	X	X	X
MATERIAL STOCKPILE AND STABILIZATION	X	X	X	X	X	X	X	X	X
DEMOLITION	X	X	X	X	X	X	X	X	X
CLEARING AND EXCAVATING	X	X	X	X	X	X	X	X	X
TRUCK TRAFFIC ON UN-PAVED ROADS	X	X	X	X	X	X	X	X	X
MUD AND DIRT CARRY-OUT	X	X	X	X	X	X	X	X	X

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES													
	WET SEASON						WET & DRY SEASON							
	HYDRO-SEEDING	STRAW MULCHING/TACKIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGETATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING
PRE-GRADING				X			X							
CUT-FILL ACTIVITIES		X	X	X	X	X	X	X	X	X	X		X	X
UNDERGROUND WORK		X	X	X	X	X	X	X	X	X	X		X	X
STORM IMPROVEMENTS		X	X	X	X	X	X	X	X	X	X		X	X
CURB AND GUTTER		X	X	X	X	X	X	X	X	X	X		X	X
STREET IMPROVEMENTS		X	X	X	X	X	X	X	X	X	X		X	X
PAVE OUT	X			X	X	X	X	X		X	X		X	X
POST CONSTRUCTION	X	X	X	X										



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730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL
EROSION CONTROL PLAN

CONSULTANT



WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

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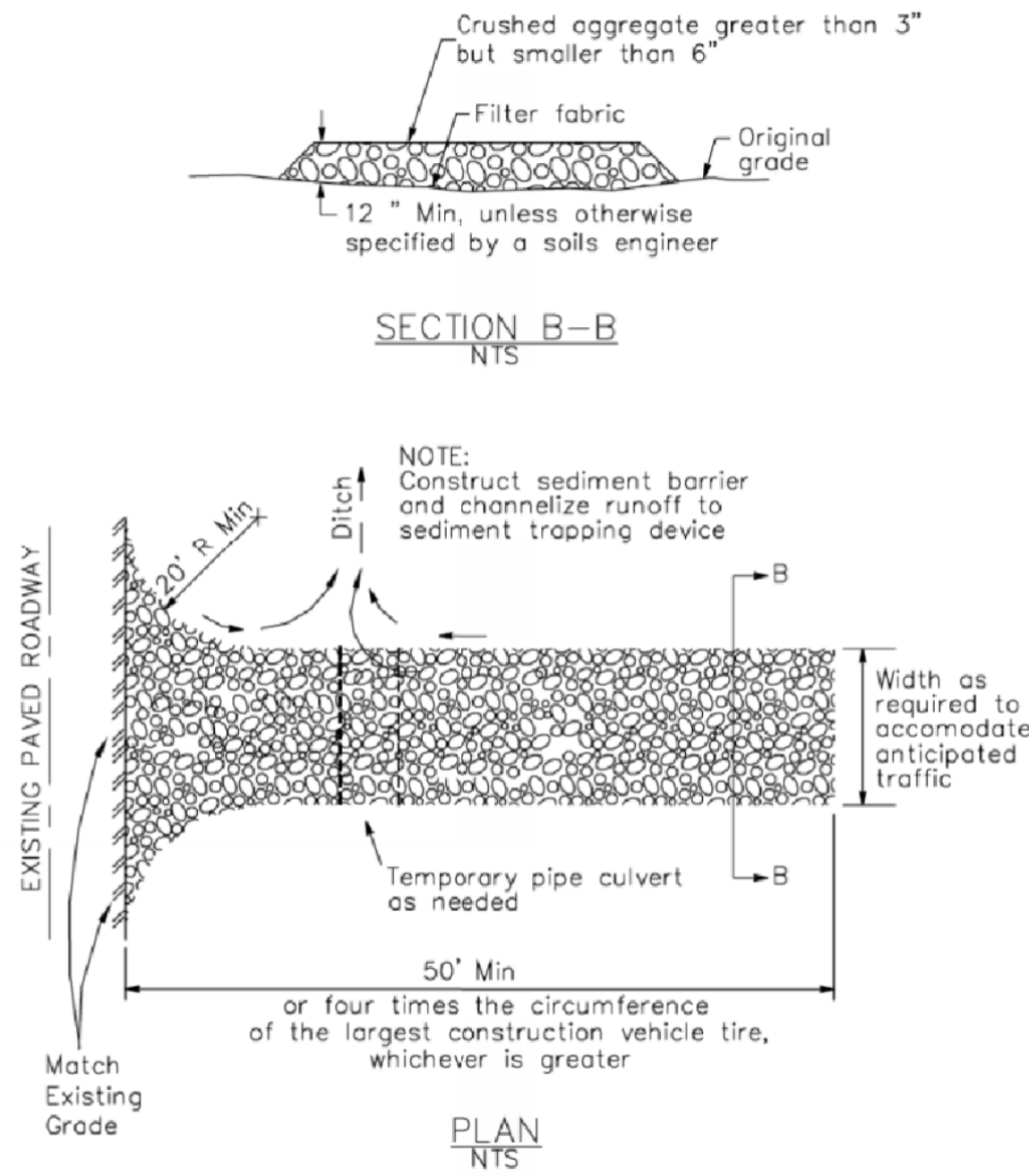
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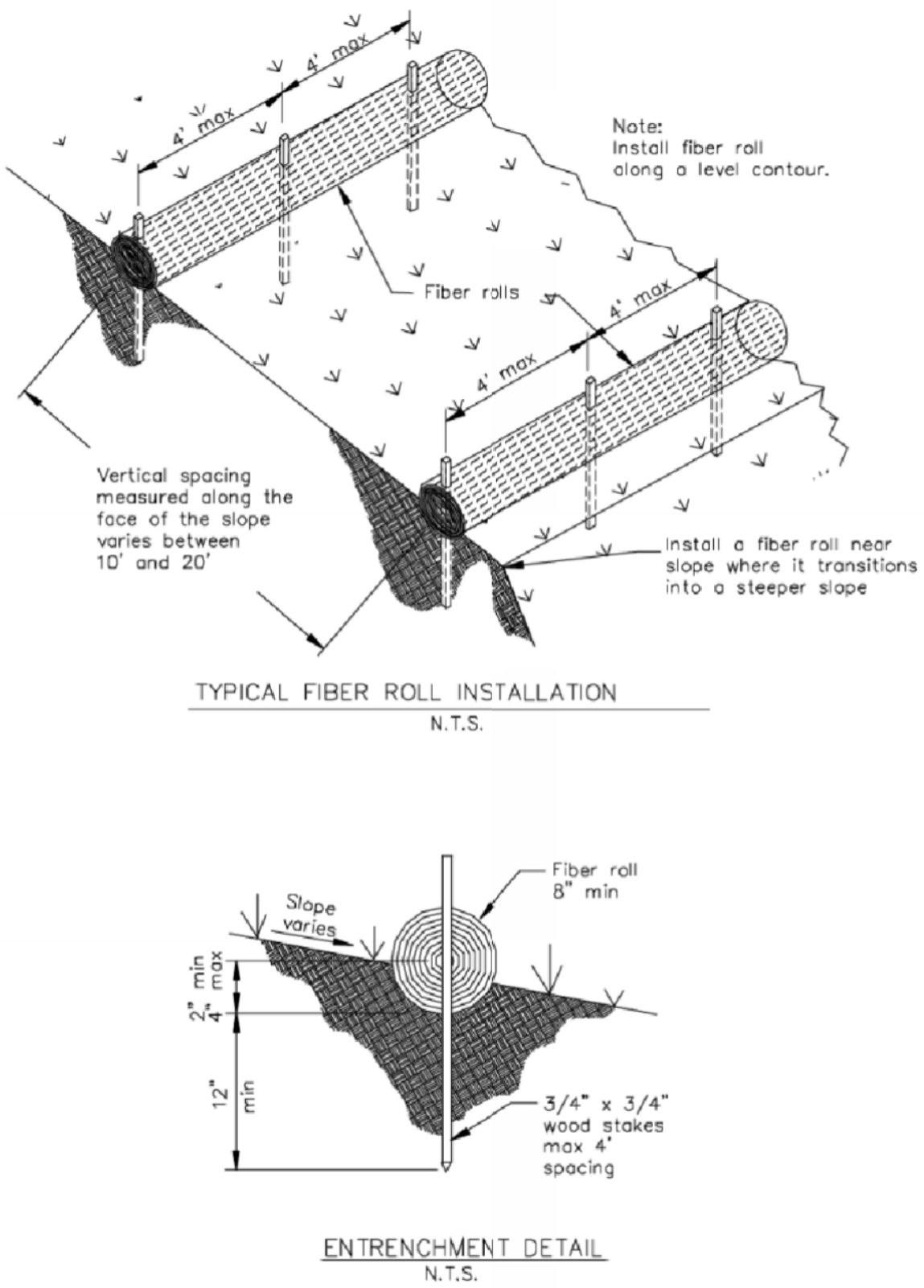
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Stabilized Construction Entrance/Exit TC-1



SE-5 Fiber Rolls



GENERAL PROJECT EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION OF THE STATE OF CALIFORNIA STORM WATER QUALITY ASSOCIATION (CASQA) CONSTRUCTION MANUAL, TYPICALLY OUTLINED IN THE CONTRACTORS SWPPP.
2. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDIMENT CONTROL BMPs SHALL BE INSTALLED AND MAINTAINED YEAR ROUND.
3. ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL. AND INLET FILTER BAGS YEAR ROUND. INLET FILTER BAGS SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON ACCEPTANCE OF THE IMPROVEMENTS.
4. ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER STANDARD DRAWINGS PROVIDED IN THESE PLANS OR THE CONTRACTORS SWPPP. WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS, THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR ROUND BASIS UNTIL THE COMPLETION OF CONSTRUCTION.
5. ALL AREAS DISTURBED DURING CONSTRUCTION BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD.
6. SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMPs SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
7. SEDIMENT CONTROL BMPs SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMPs SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
8. EROSION AND SEDIMENT CONTROL MEASURES FOR THE PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE AT ALL TIMES WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE OF CALIFORNIA GENERAL CONSTRUCTION PERMIT. THIS PERMIT REQUIRES THAT THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP IS TO BE AVAILABLE ON SITE AT ALL TIMES FOR REVIEW STATE AND LOCAL INSPECTORS. SHOULD A SWPPP NOT BE REQUIRED DUE TO PROJECT SCHEDULE OR SIZE, CONTRACTOR IS STILL REQUIRED TO IMPLEMENT BMP'S IN ACCORDANCE WITH STATE STANDARDS.
9. EFFECTIVE EROSION CONTROL BMPs SHALL BE IN PLACE PRIOR TO ANY STORM EVENTS
10. CONTRACTOR SHALL INSTALL AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENTATION CONTROL BMPs AND MAINTAIN THROUGH CONSTRUCTION.
11. PRIOR TO A RAIN EVENT, OR IF AN AREA WILL NOT BE ACTIVELY WORKED ON WITHIN 14 DAYS, ALL DISTURBED OR EXPOSED SOILS SHALL BE PROTECTED, AT A MINIMUM, WITH STRAW MULCH AND TACKIFIER APPLICATION. APPLY TACKIFIER ON STRAW MULCH TO HOLD MULCH IN PLACE. THIS IS A MINIMUM GUIDE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND INSTALLING THE APPROPRIATE LEVEL OF EROSION AND SEDIMENT CONTROL.

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

EROSION NOTES AND
DETAILS

CONSULTANT



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STORM DRAIN INLET PROTECTION



Figure 1. Sand or gravel bags can be used to filter stormwater runoff before entering a catch basin. Commercial products are also available that fit in front of or inside the catch basin.

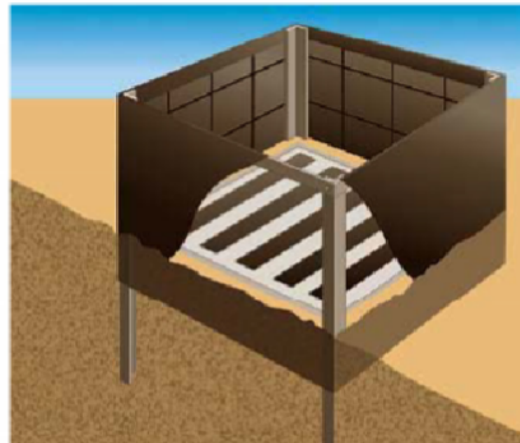


Figure 2. Sand or gravel bags used to protect a drop inlet.

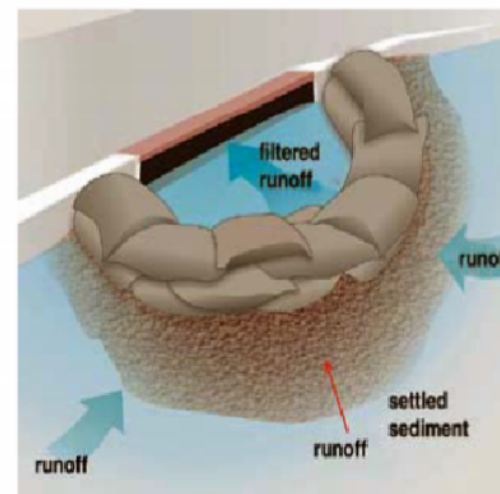


Figure 3. Silt fence can also be used to protect a drop inlet.

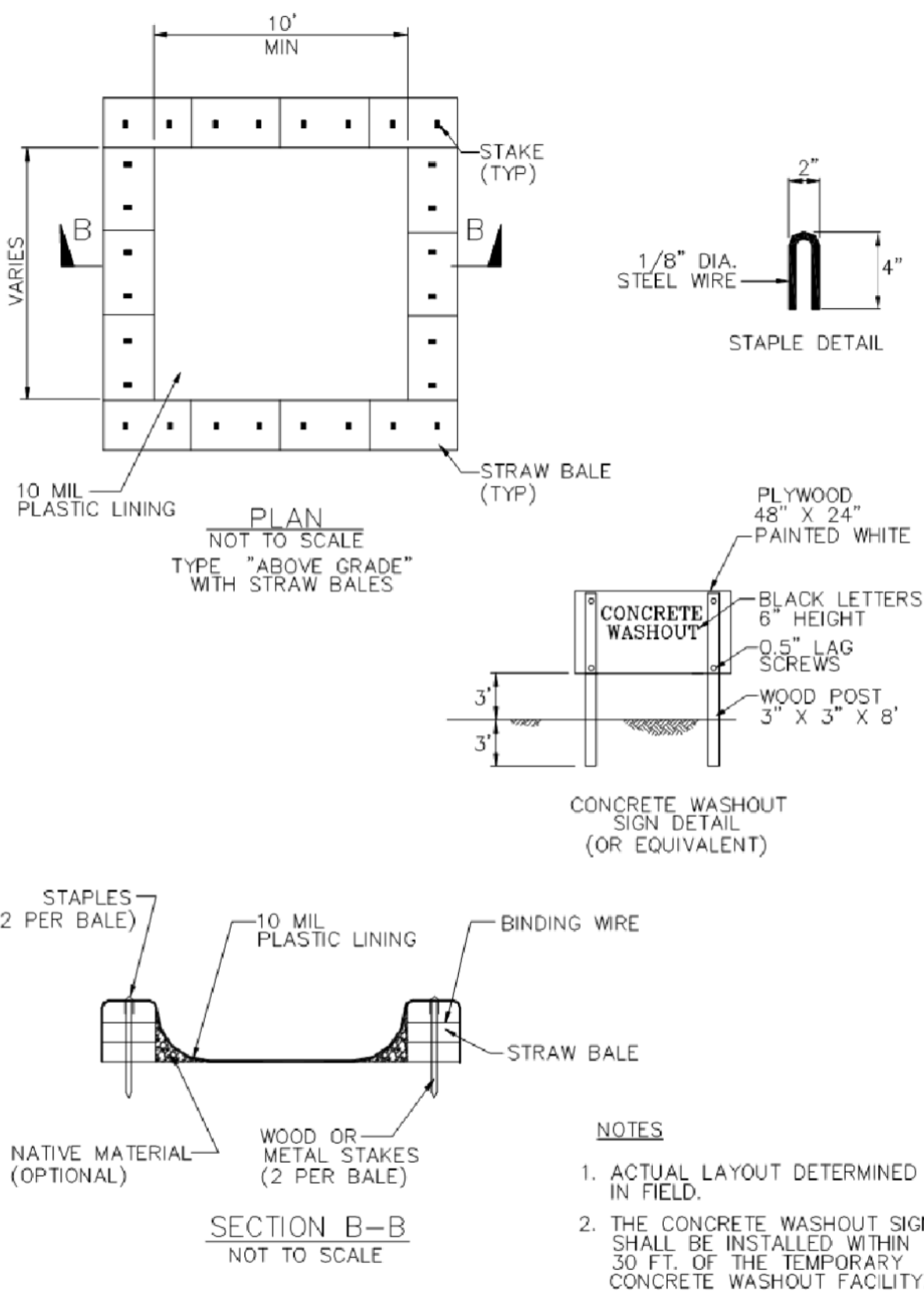
Storm drain inlet protection prevents sediment from entering a storm drain by surrounding or covering the inlet with a filtering material. This allows sediment-laden runoff to pond and settle before entering the storm drain. Several types of filters are commonly used for inlet protection: silt fence, sand bags or block and gravel. The type of filter used will depend on inlet type (curb inlet, drop inlet), slope, and amount of flow. Many different commercial inlet filters are also available. Some commercial inlet filters are placed in front of or on top of an inlet, others are placed inside the inlet and under the grate.

- All storm drain inlets must be protected by appropriate BMPs during construction until all sources with potential for discharging to the inlet have been stabilized.
- All sediment control BMPs must be inspected to ensure integrity and effectiveness. All nonfunctional BMPs must be repaired, replaced, or supplemented with functional BMPs.

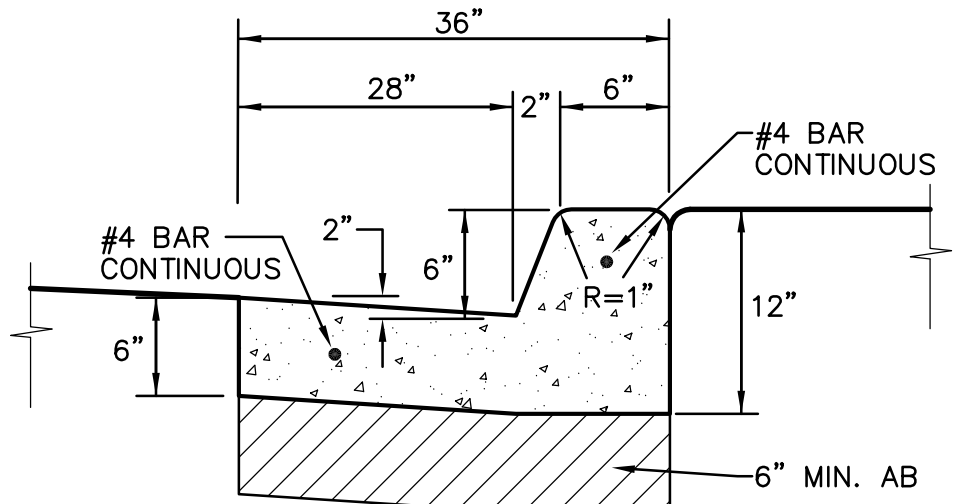
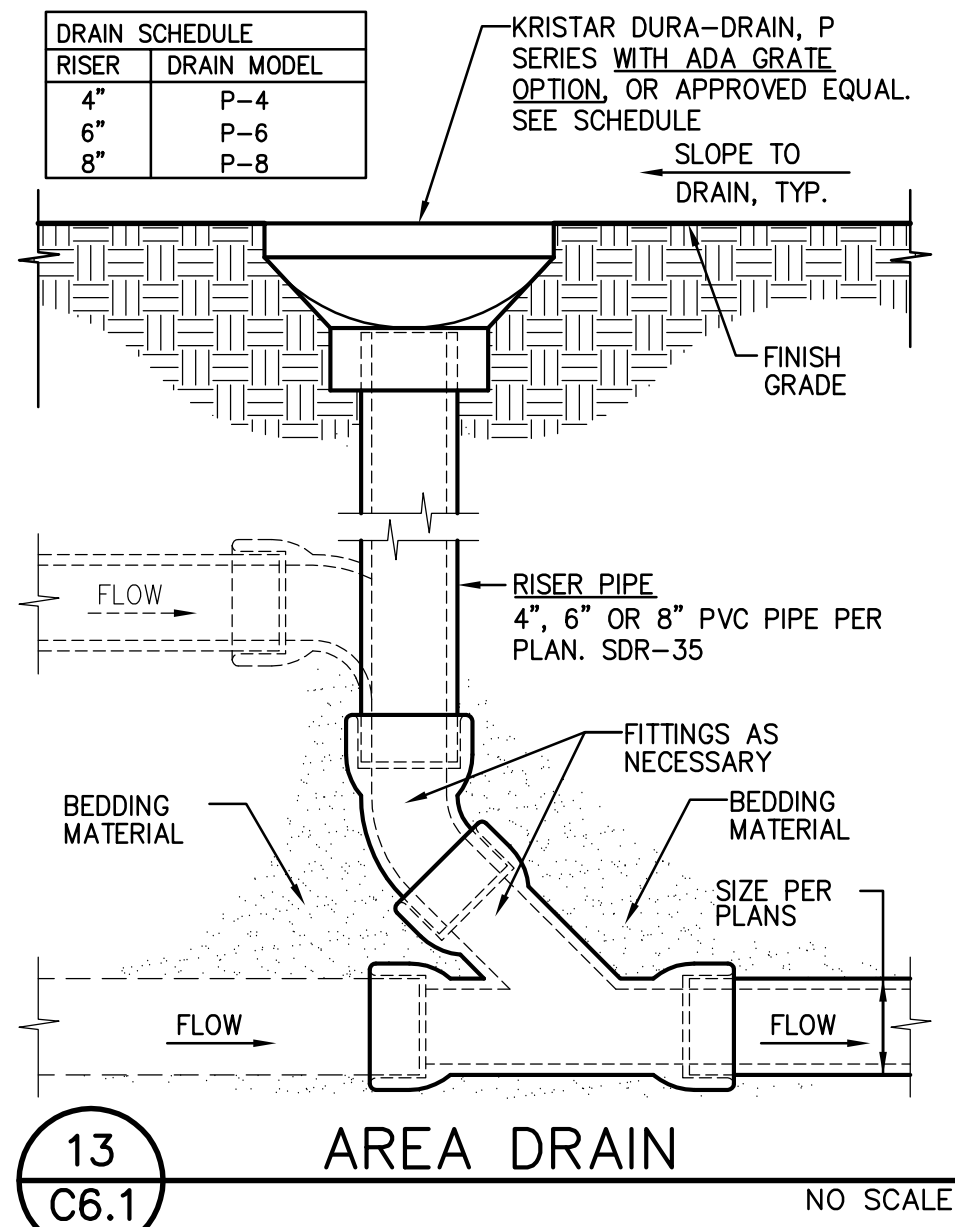
- Inlet protection is a secondary BMP. Make sure that erosion controls or additional sediment controls are also in place.
- The inlet protection must not block the storm drain or cause flooding.
- Inlet protection must be in place immediately after storm drains are installed (or before land disturbance activities begin in an area with existing storm drains).
- Sediment accumulation must be removed after each storm event if it impedes flow through the filter.
- Make sure there are not any "gaps" allowing unfiltered stormwater to enter the inlet.

(MPCA Stormwater Construction Inspection Guide <http://www.pca.state.mn.us/publications/wq-stm2-10.pdf>)

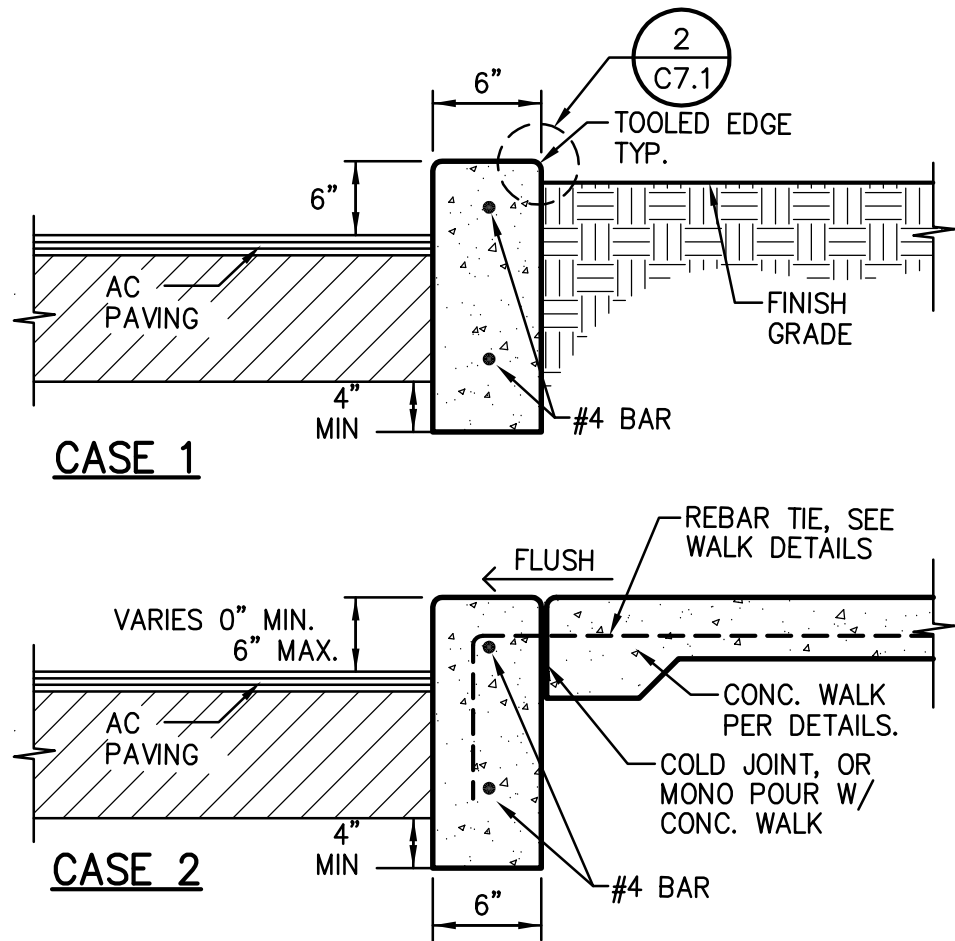
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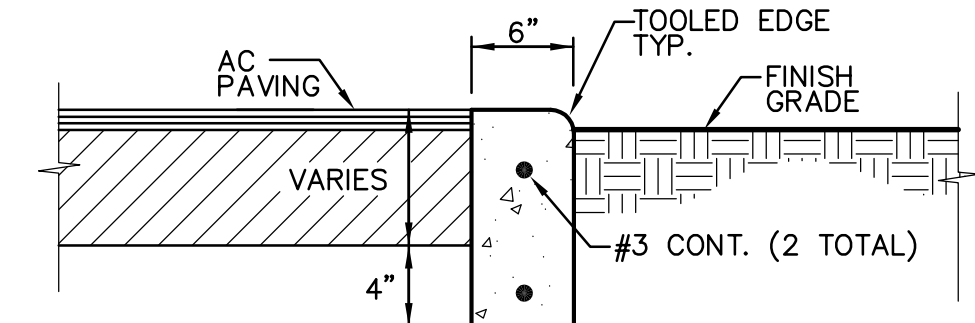
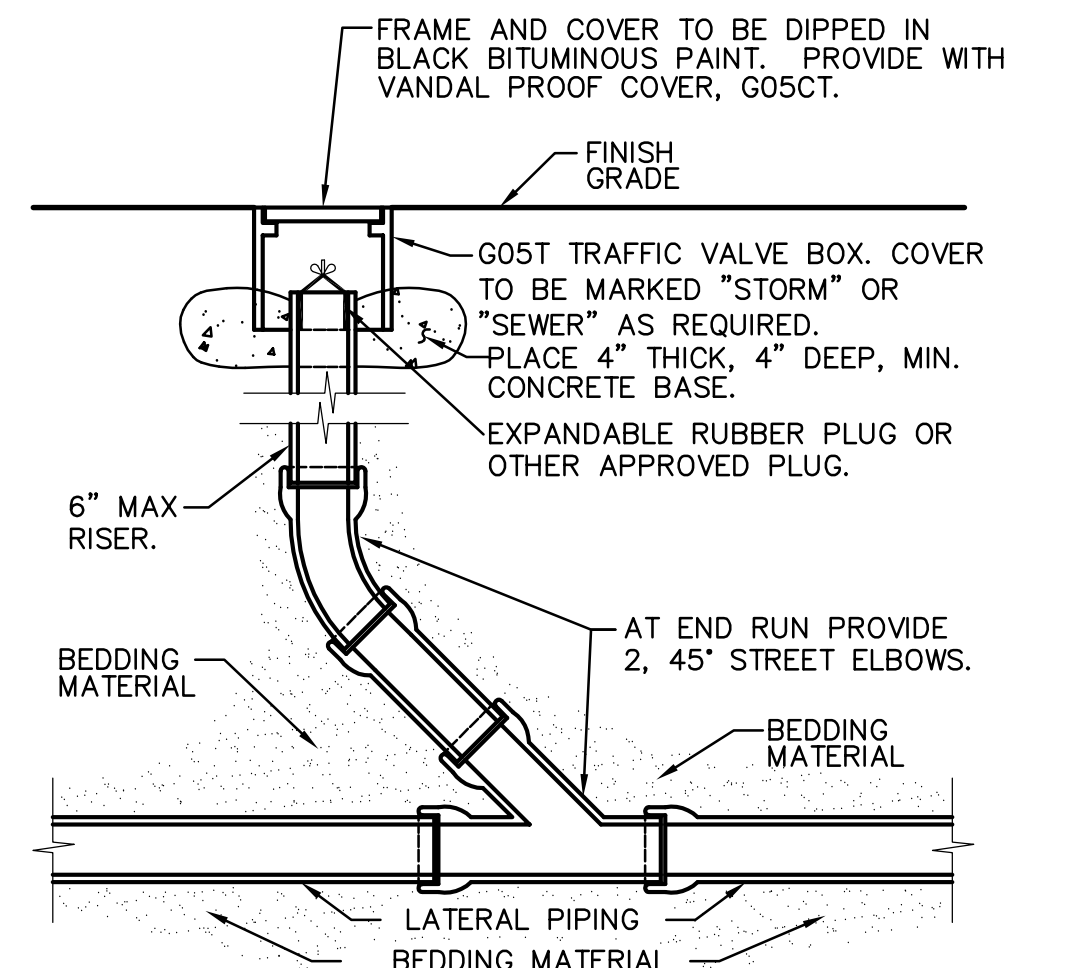
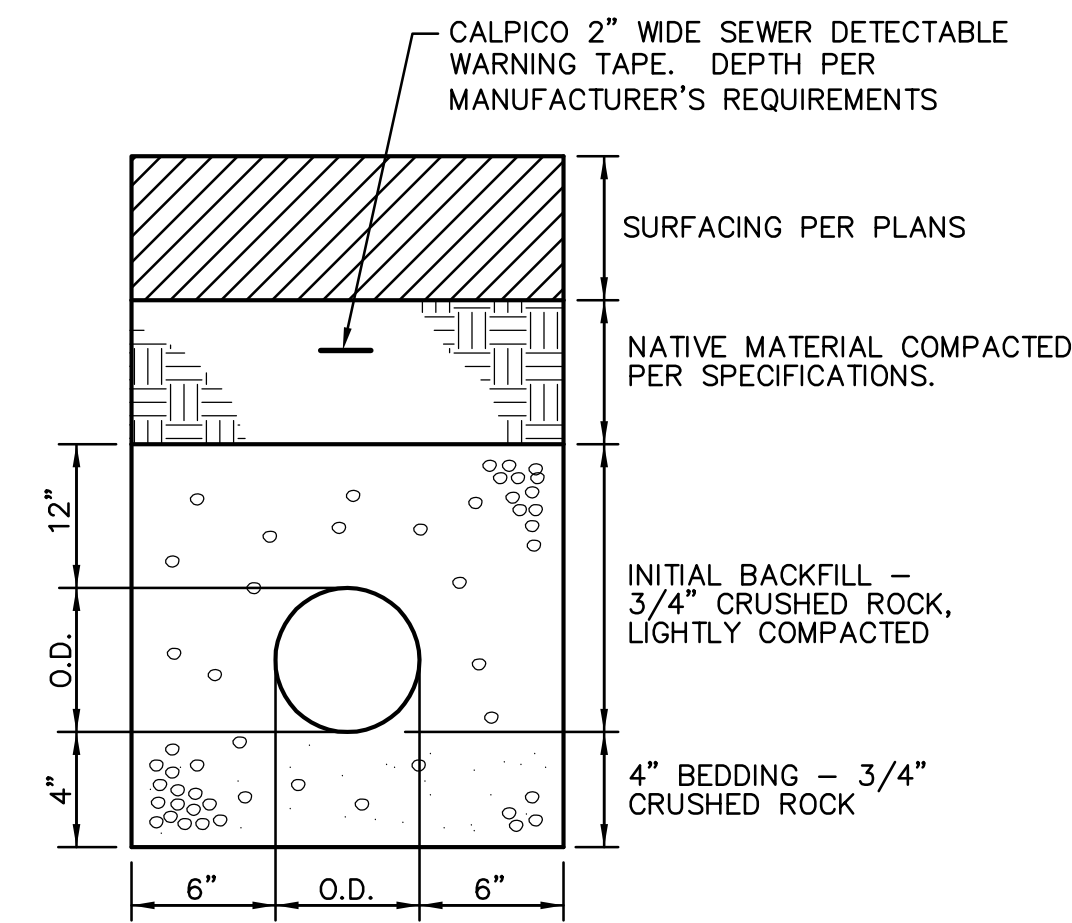
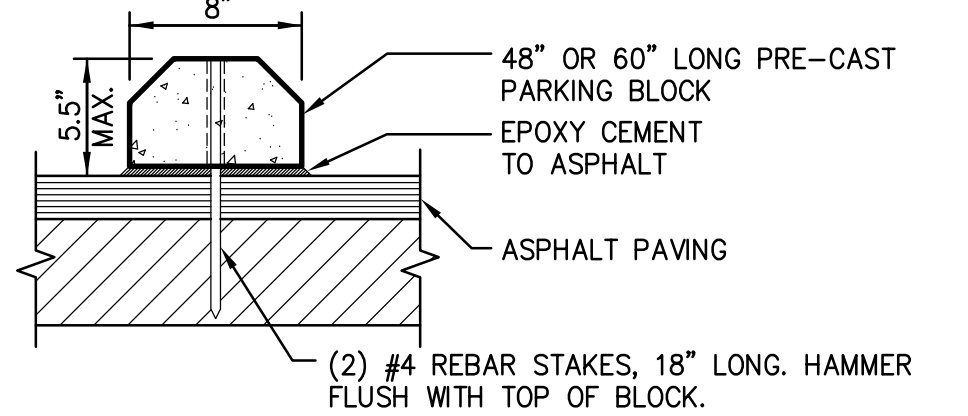
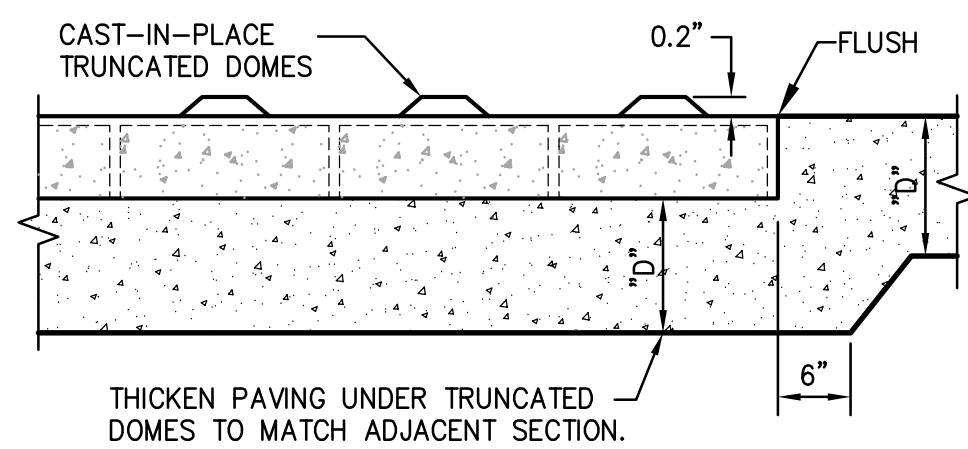
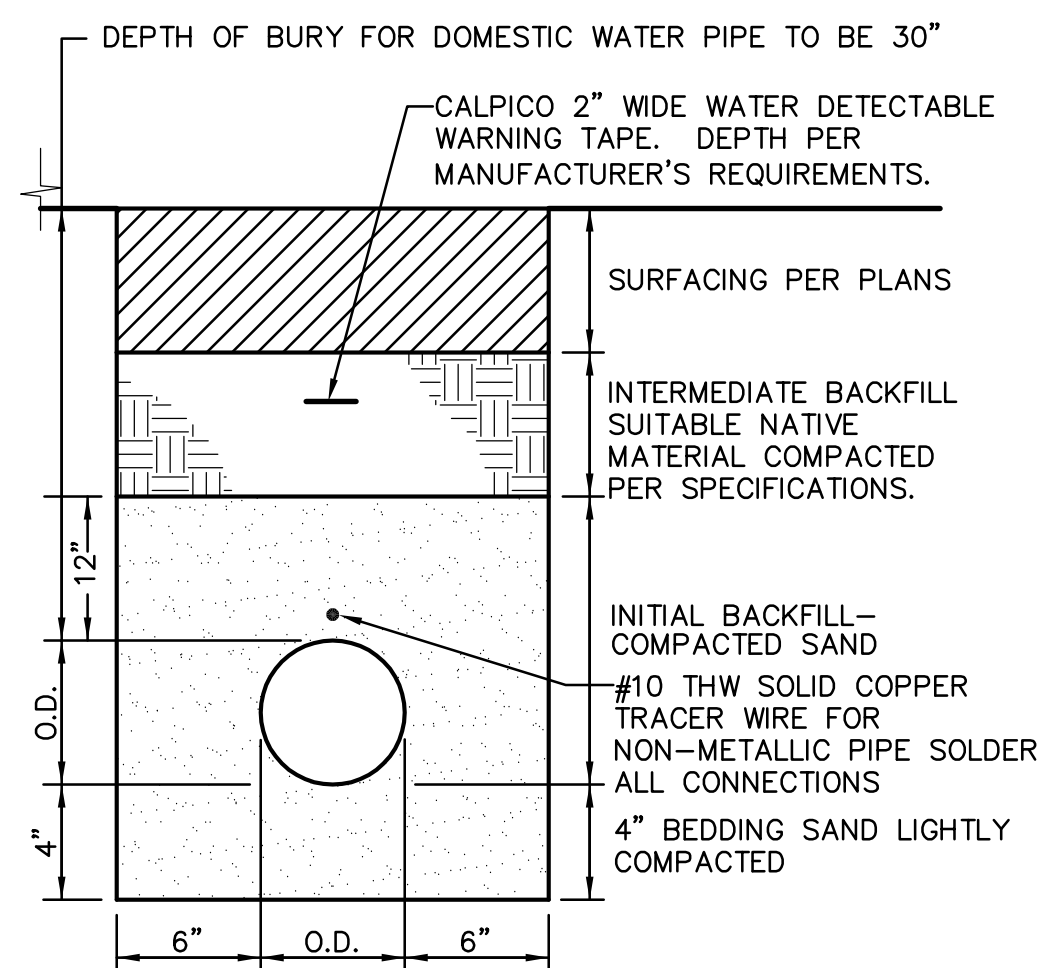
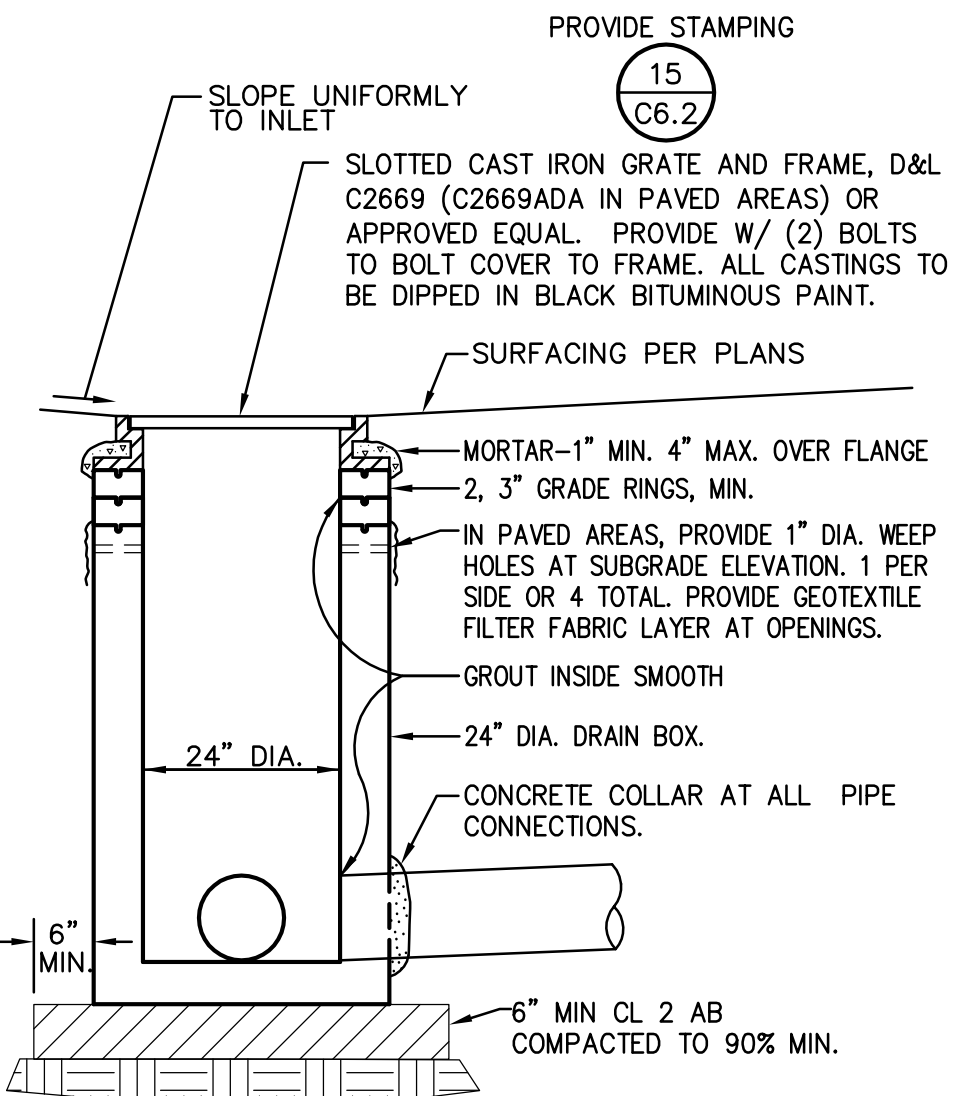
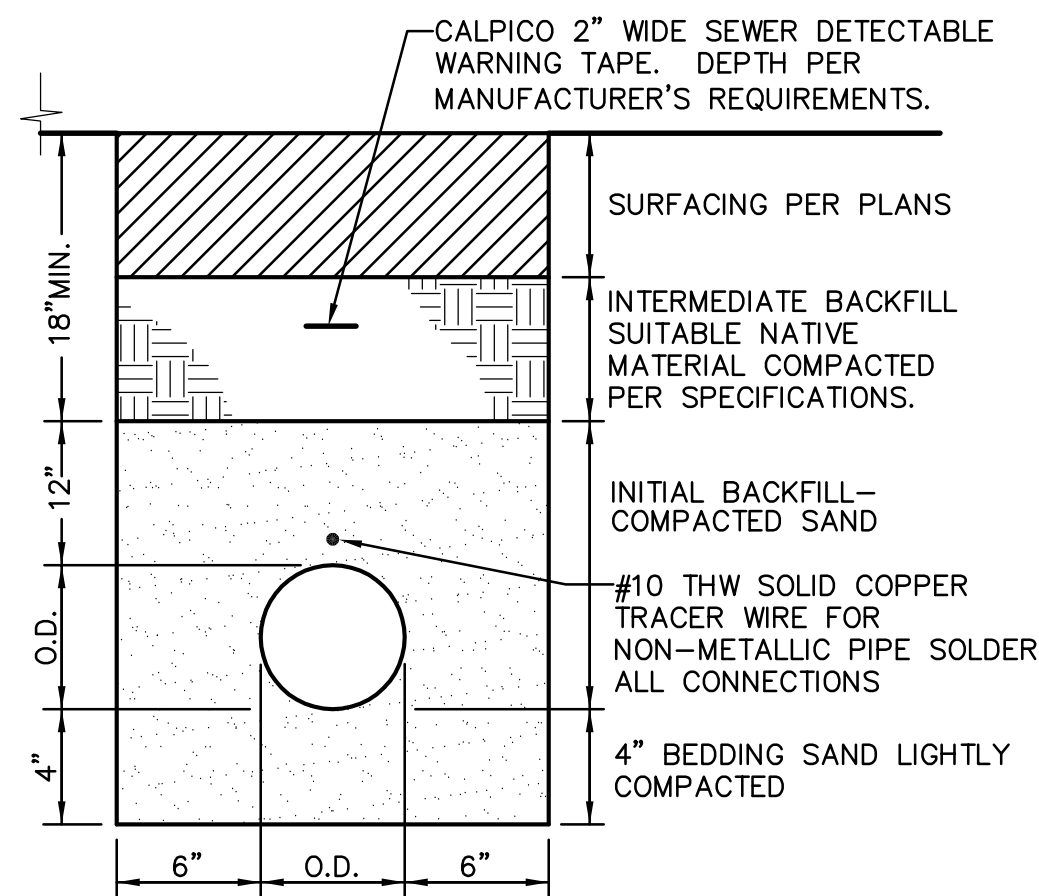
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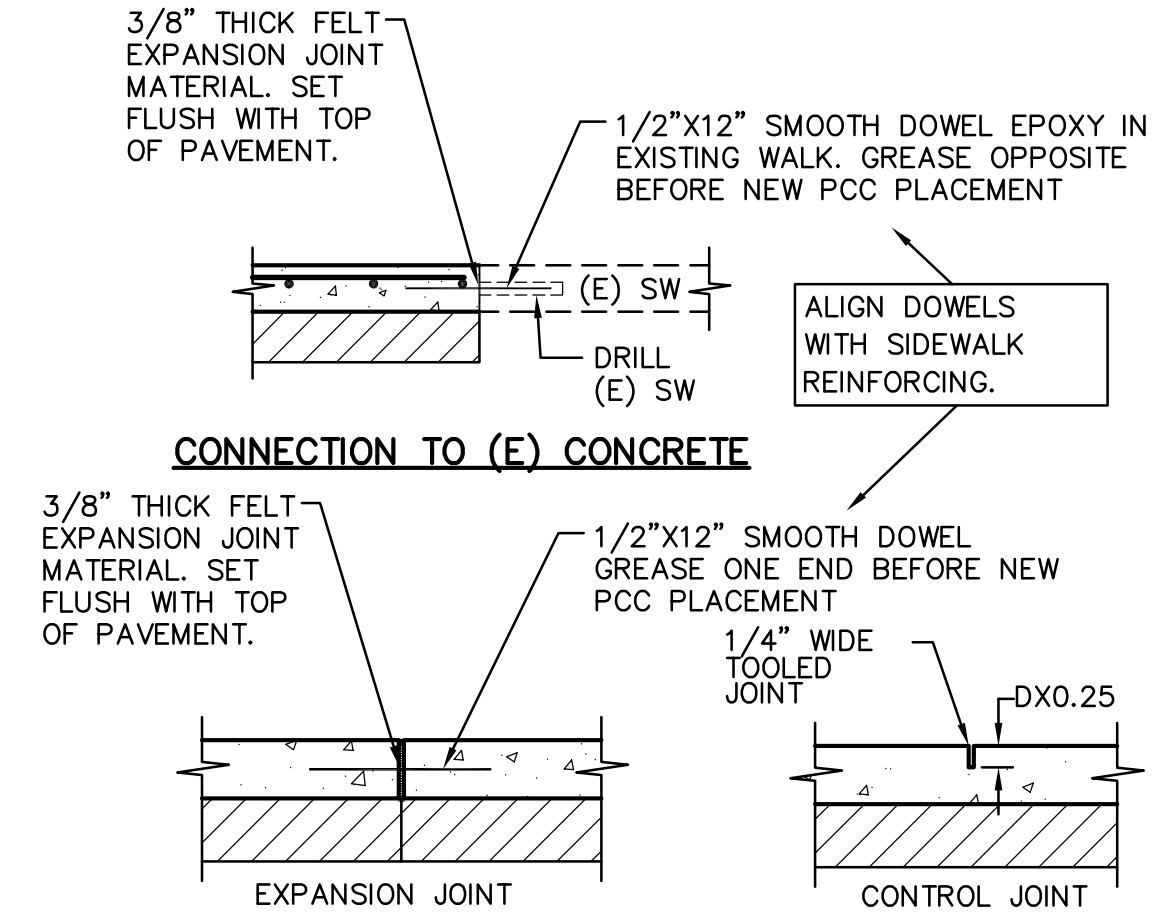
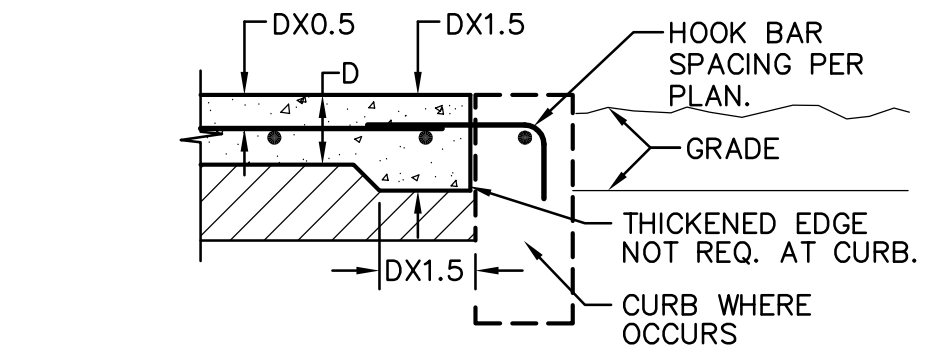
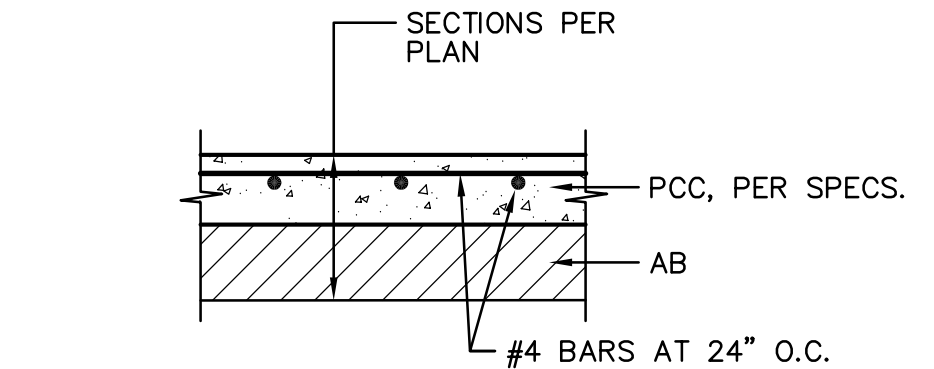
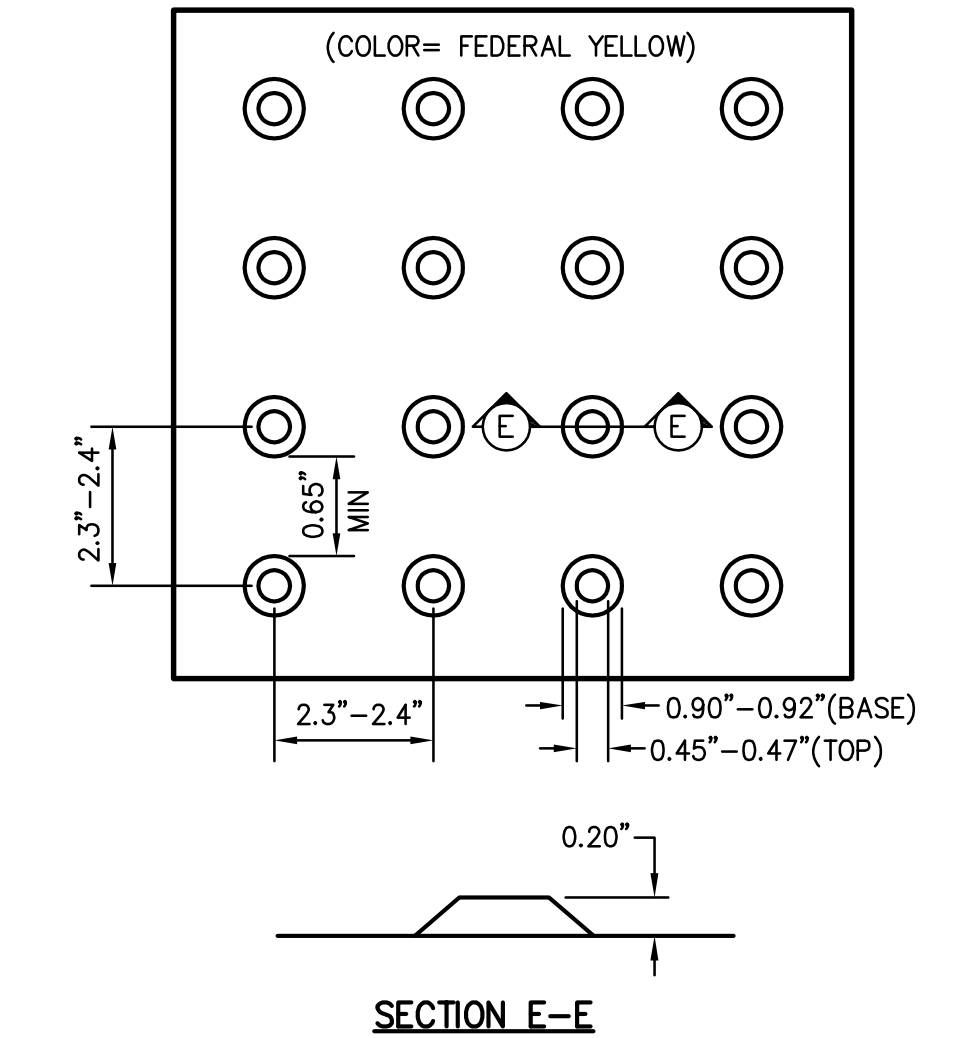
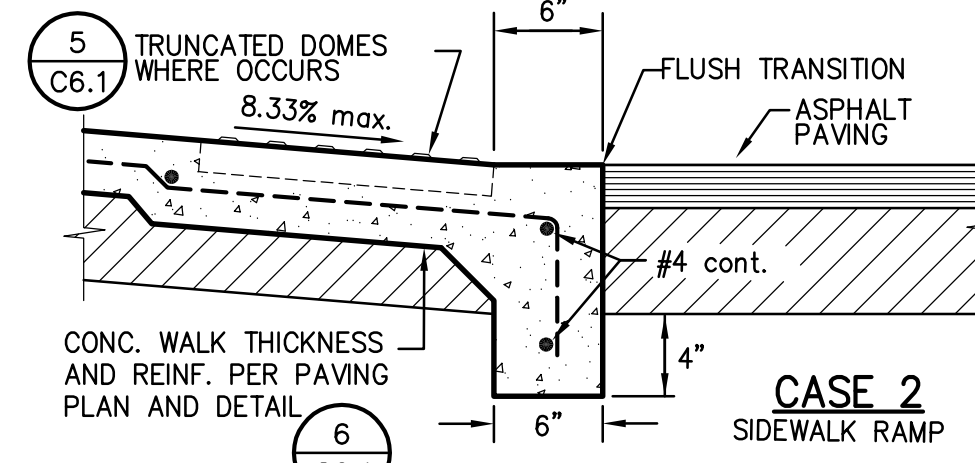
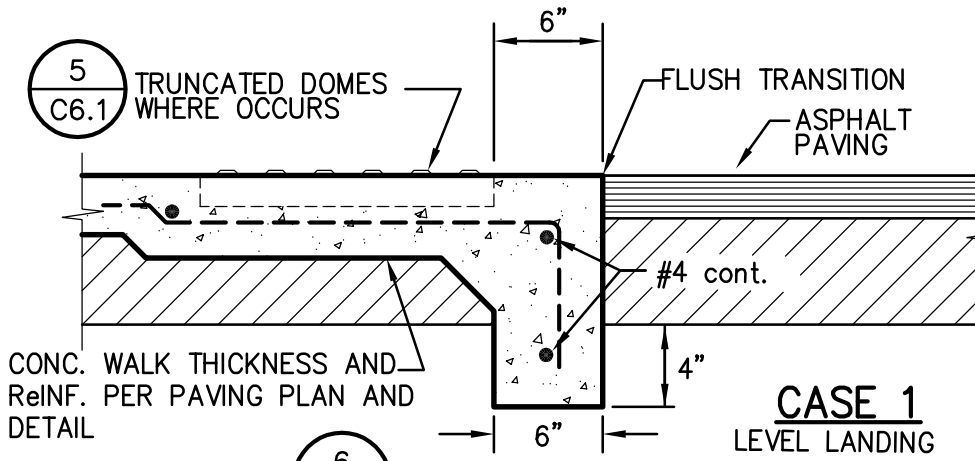
- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
 2. AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.



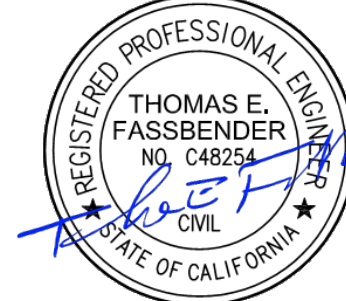
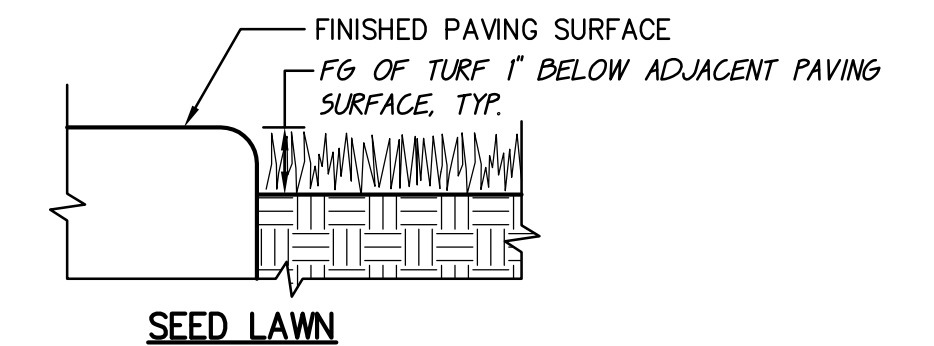
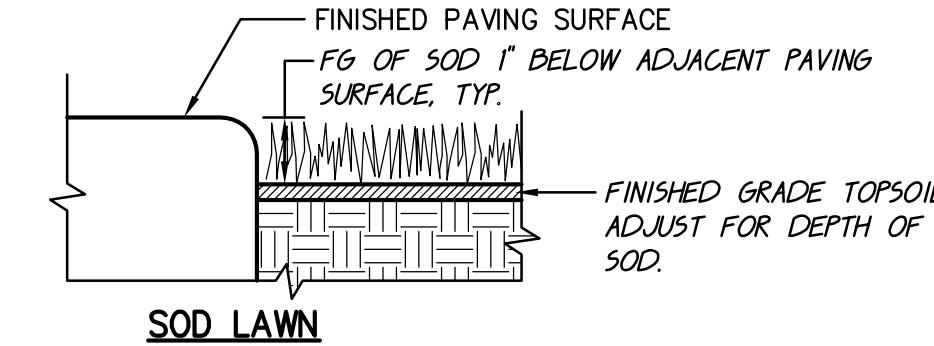
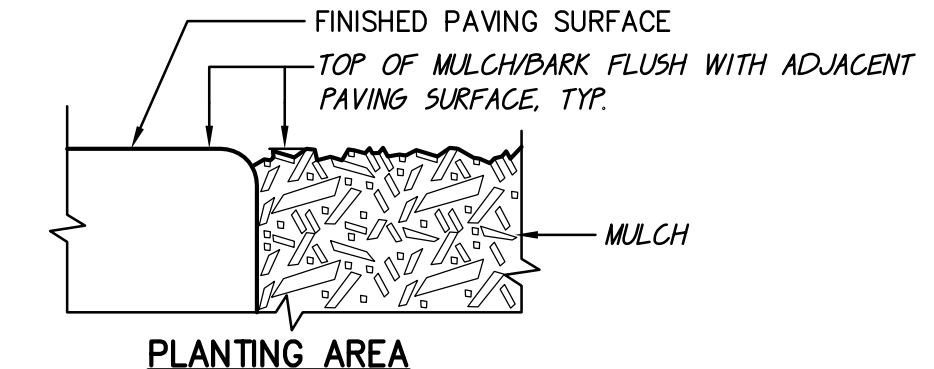
- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 20 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 2. AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.



- NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 2. AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.



- TYPICAL JOINTS**
- NOTE:
- PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C.



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730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS



**INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL**

DETAILS

CONSULTANT

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

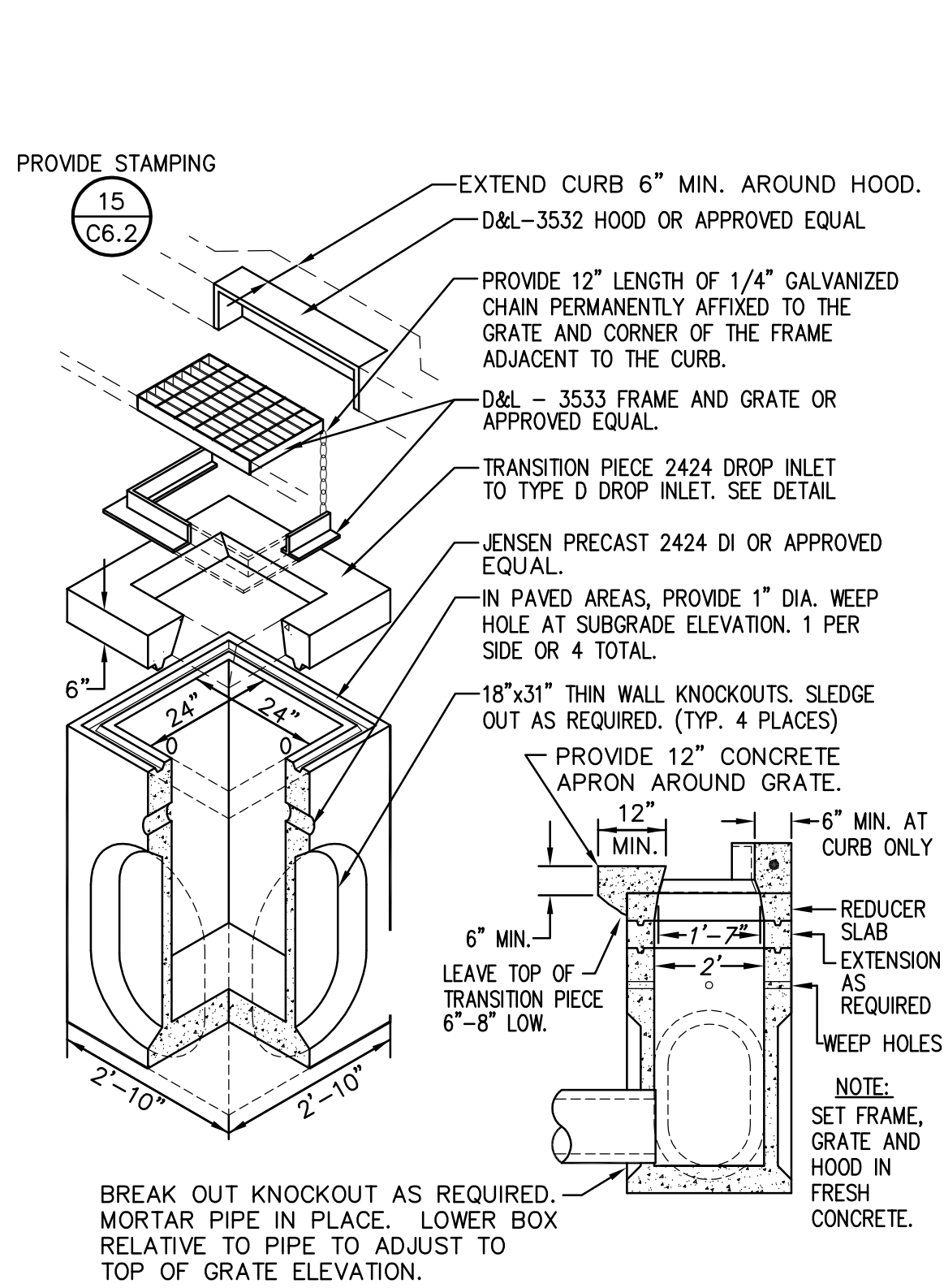
PROJECT NO.	REVISIONS	BY
18-32-046		
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02/25/2019		
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CADFILE		
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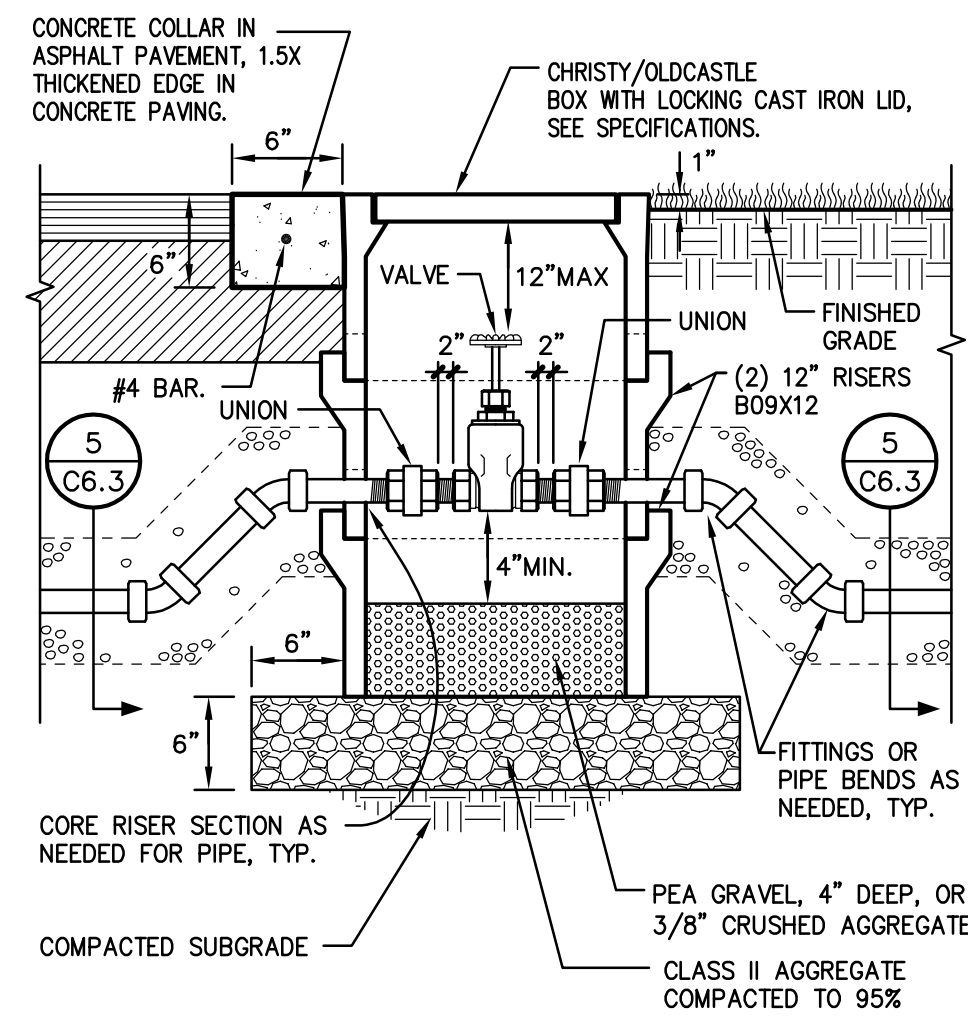
C6.1

OF 102 SHEETS

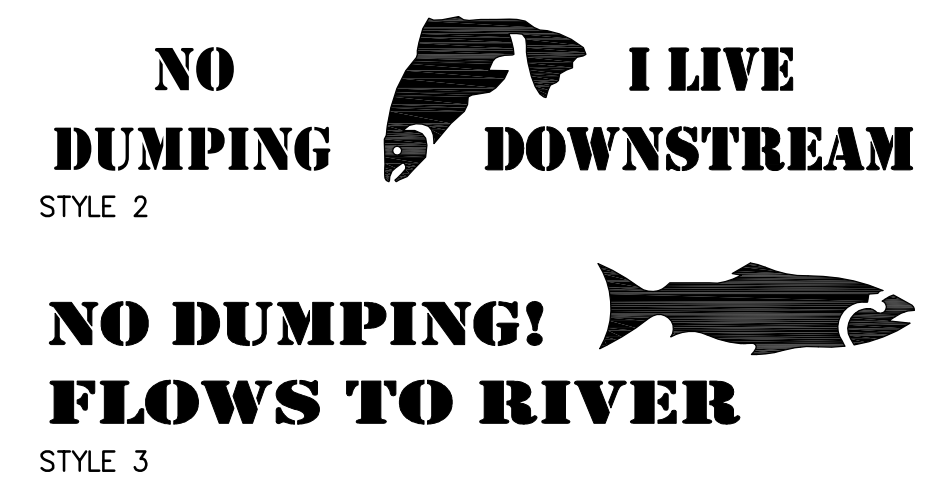
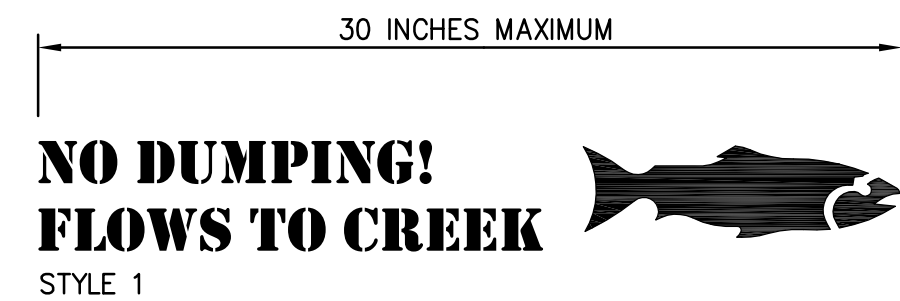
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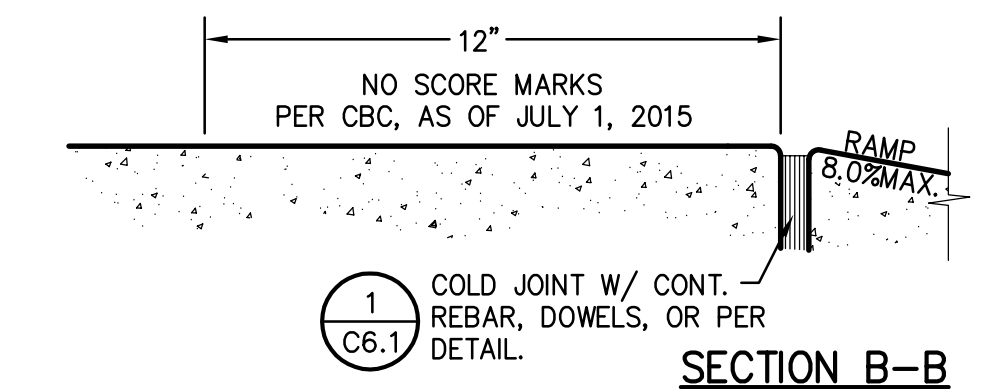
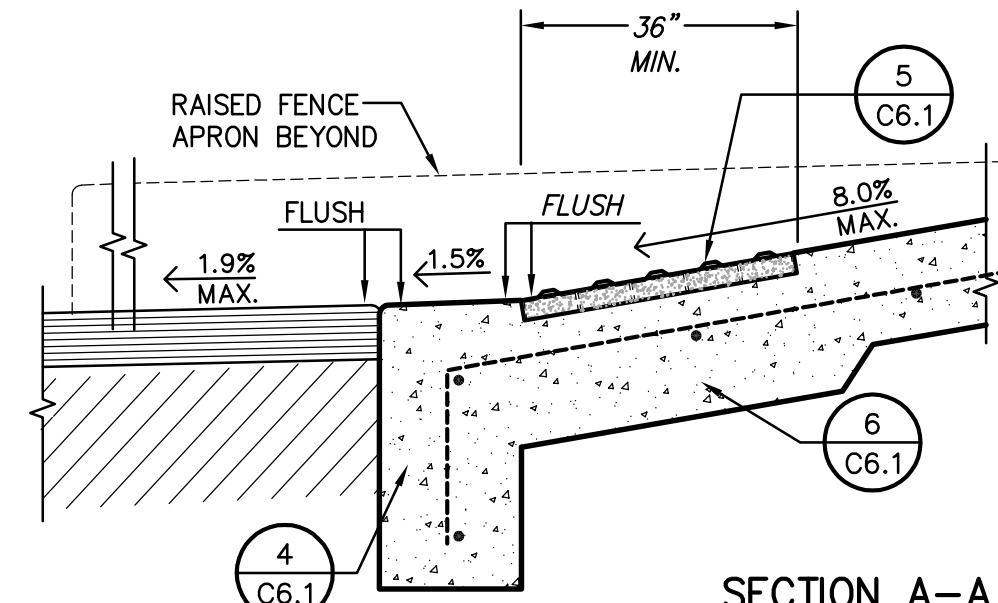
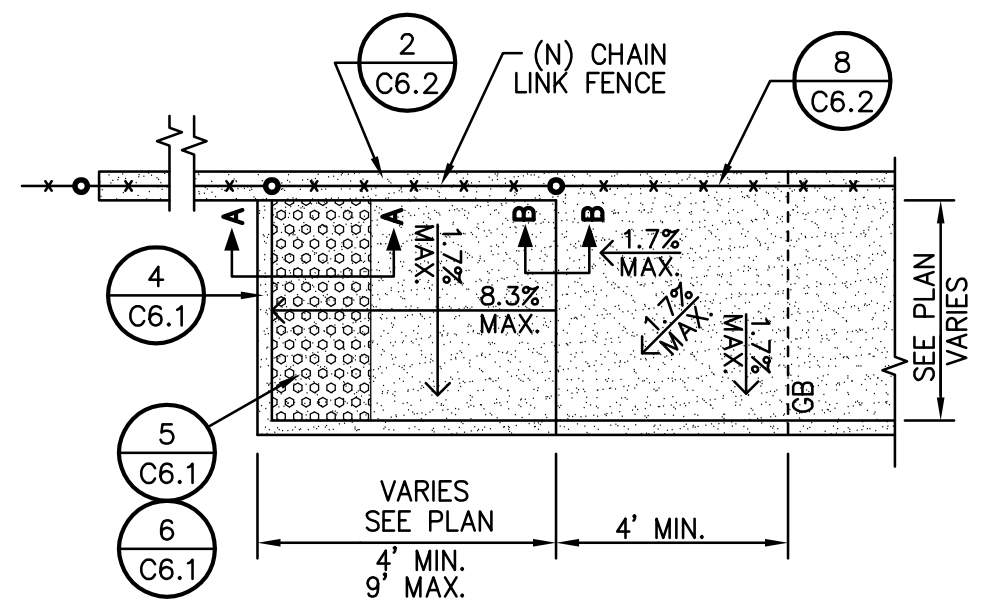
13 C6.2 CURB INLET
BOX DESIGN LOAD: H-20 TRAFFIC
NO SCALE



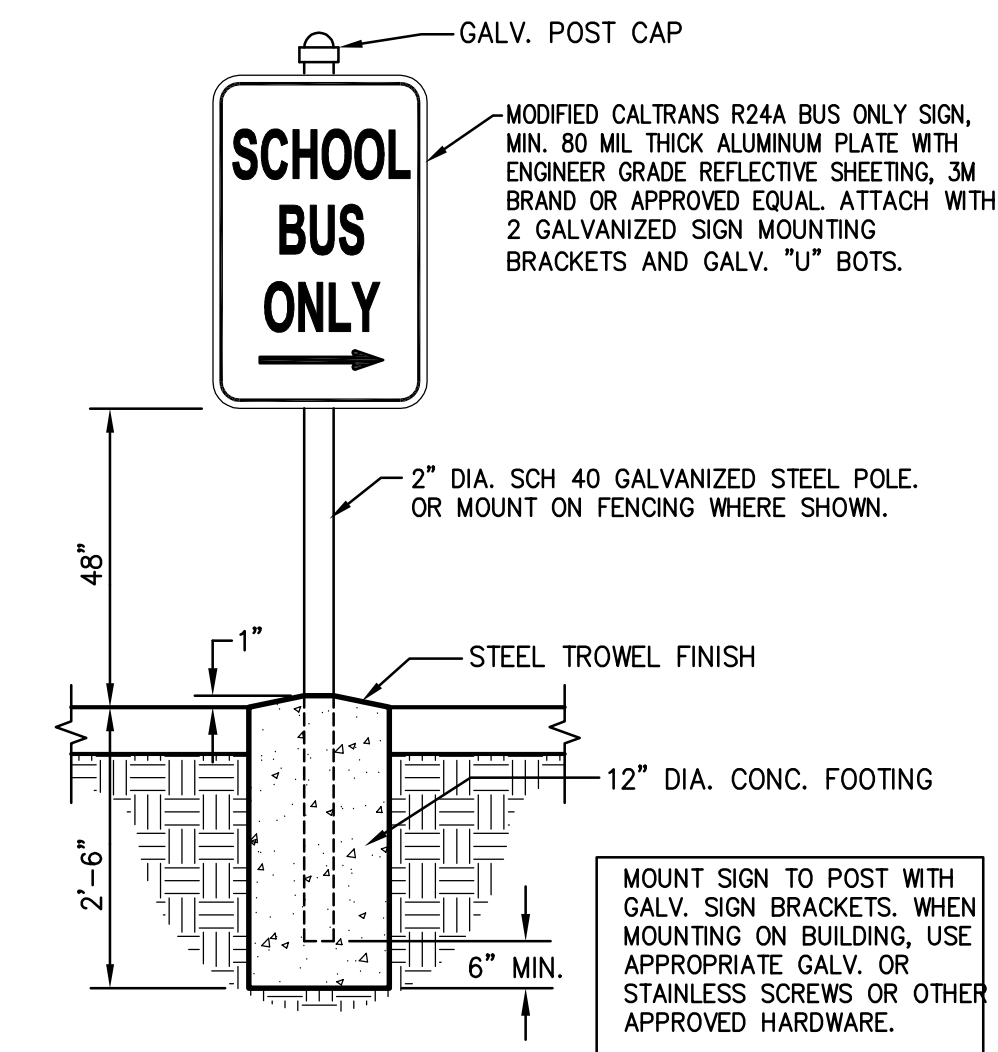
14 C6.2 WATER VALVE
1/2\"/>



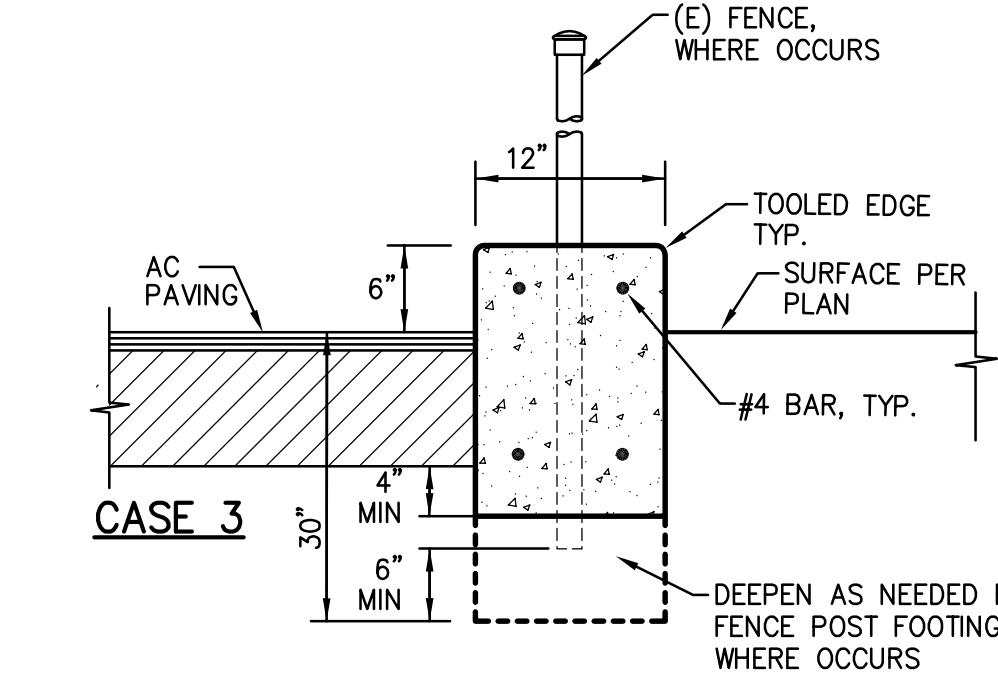
15 C6.2 STORMWATER STAMP/PLAQUE
OTHER STYLES OK WITH APPROVAL
NO SCALE



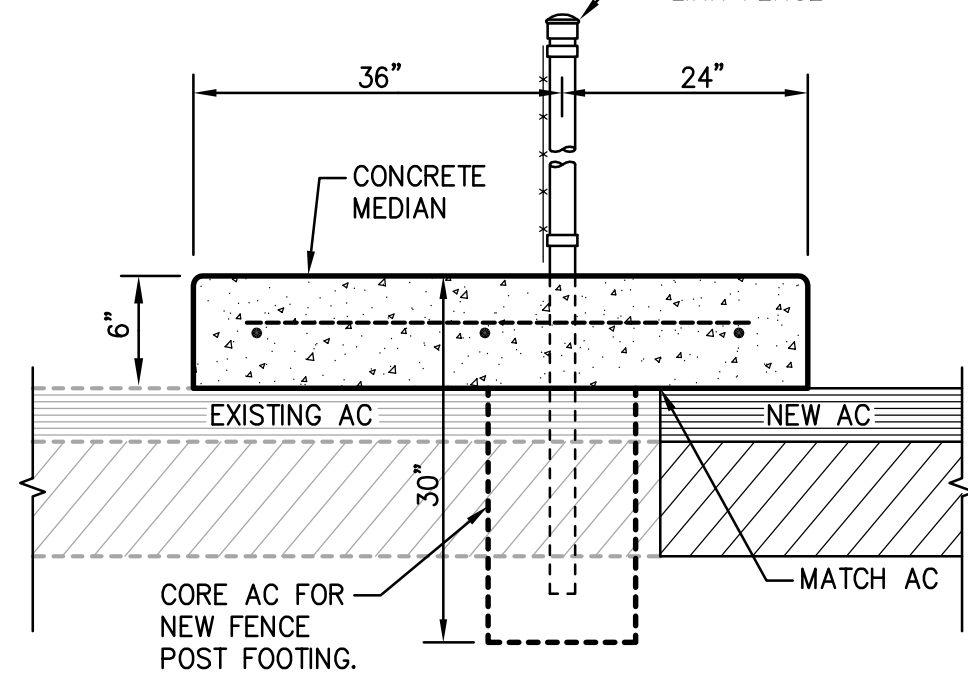
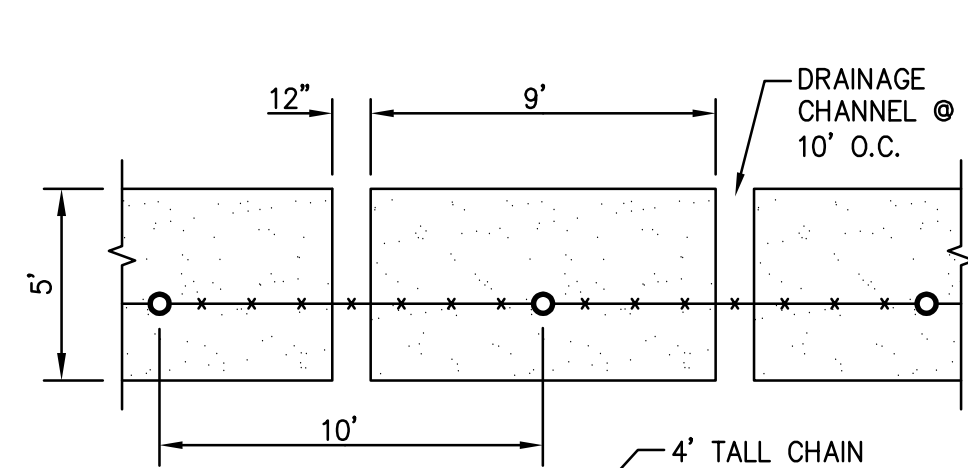
10 C6.2 ACCESSIBLE RAMP
NO SCALE



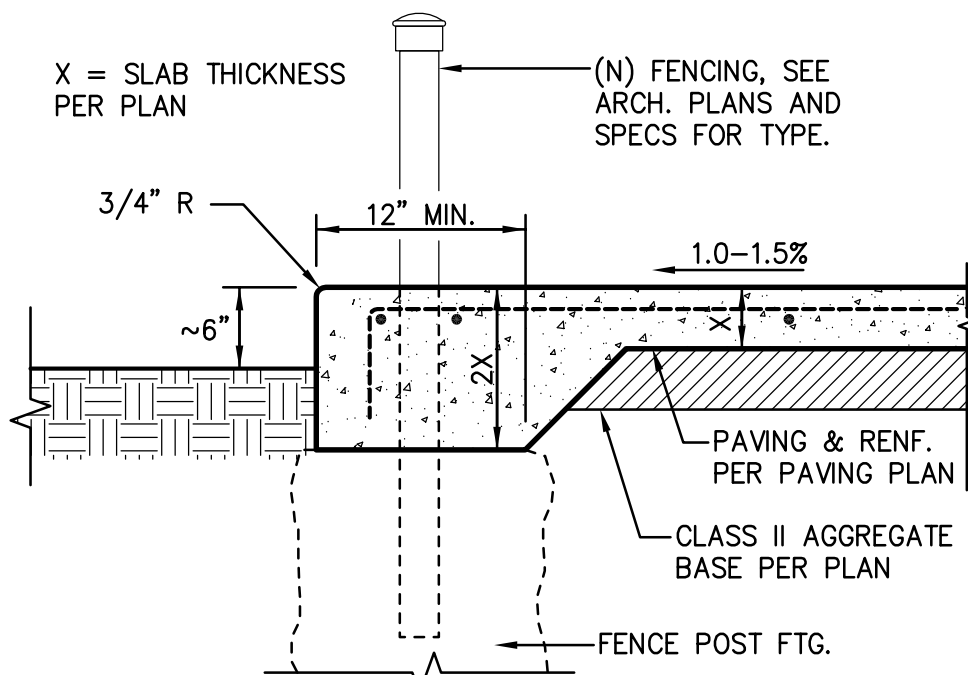
11 C6.2 BUS ONLY SIGN
R24A (MODIFIED)
NO SCALE



12 C6.2 FLUSH CURB/FENCE APRON
NO SCALE

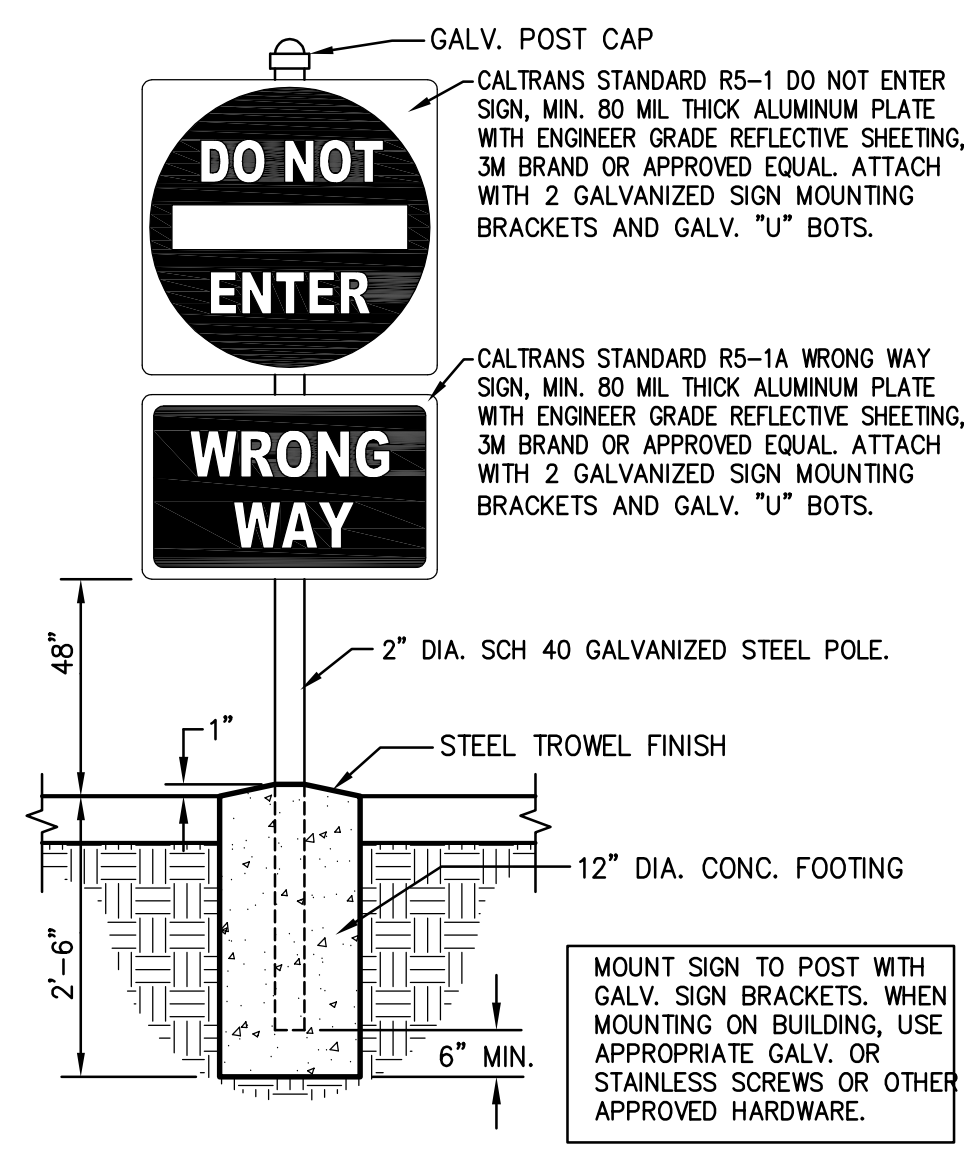


7 C6.2 MEDIAN CURB & FENCE
NO SCALE

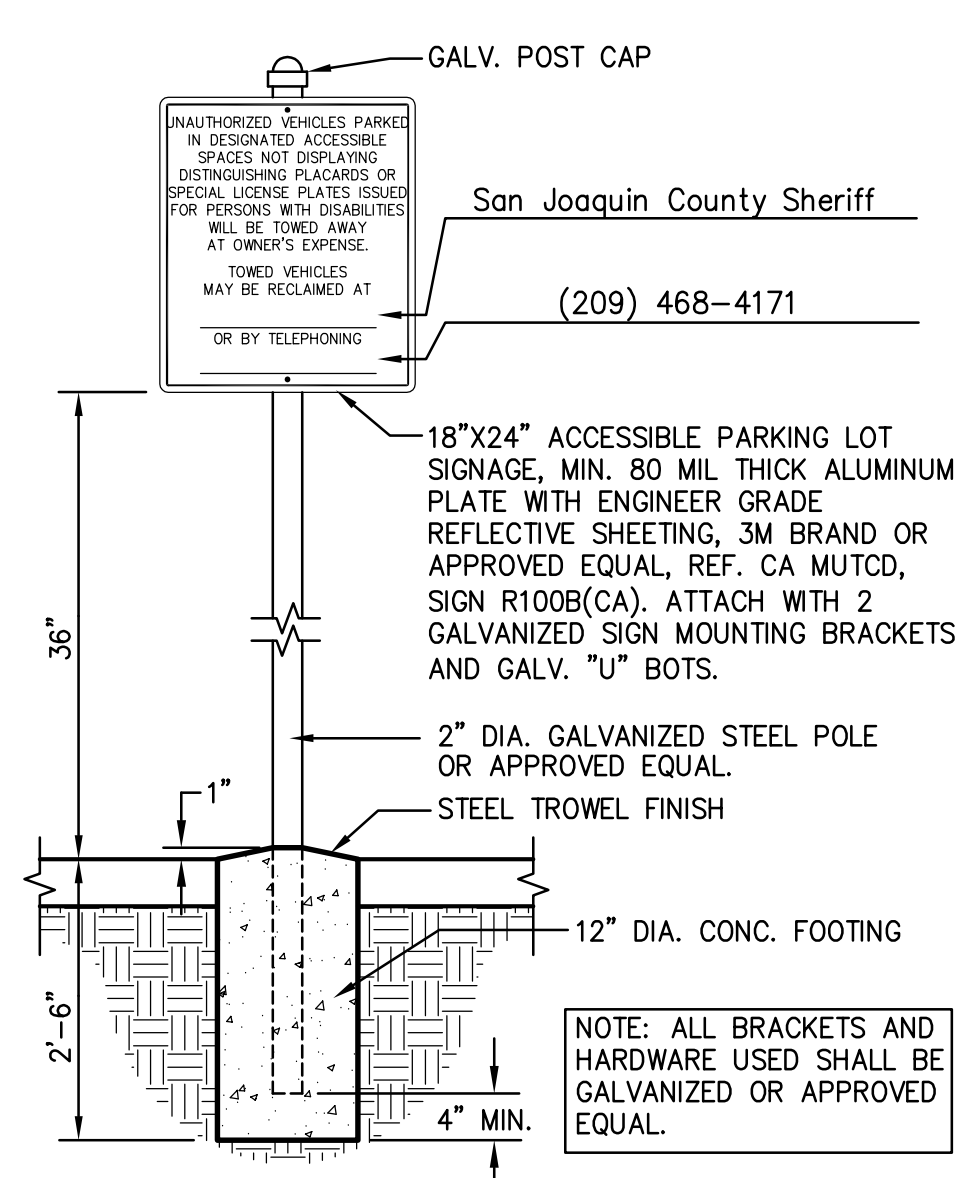


- NOTES:
1. CONCRETE WALK JOINTS SHALL EXTEND OVER AND DOWN THE FACE OF SLAB EDGE.
 2. CONCRETE SLAB EDGE THICKNESS MAY COUNT FOR POST FOOTING TOTAL DEPTH BUT MUST BE PLACED BEFORE FABRIC OR PANEL INSTALLATION.

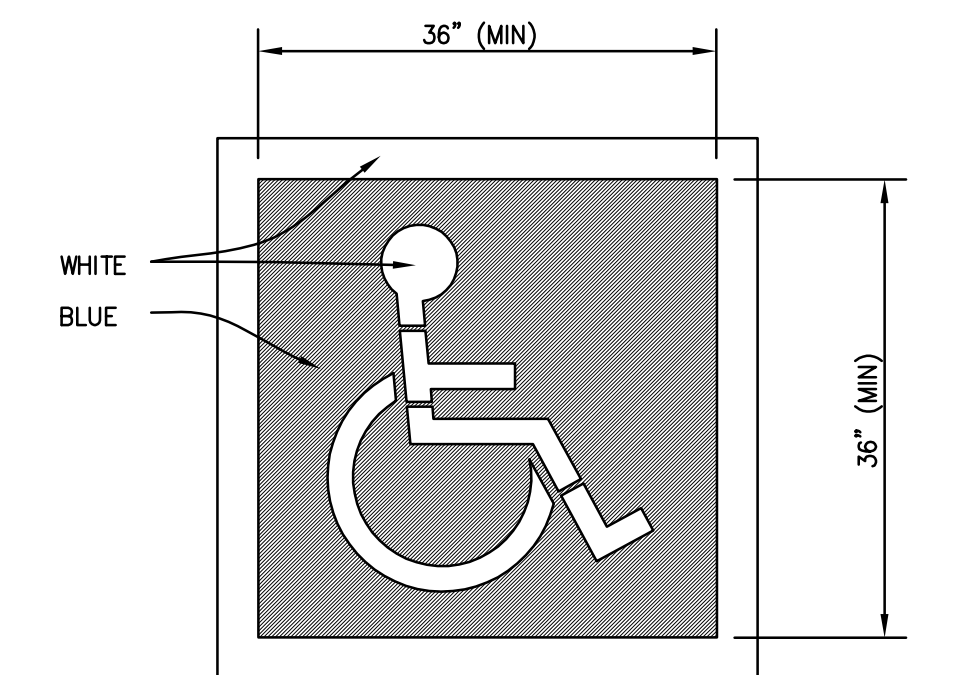
8 C6.2 SLAB EDGE WITH FENCE
NO SCALE



9 C6.2 DO NOT ENTER SIGN
NO SCALE

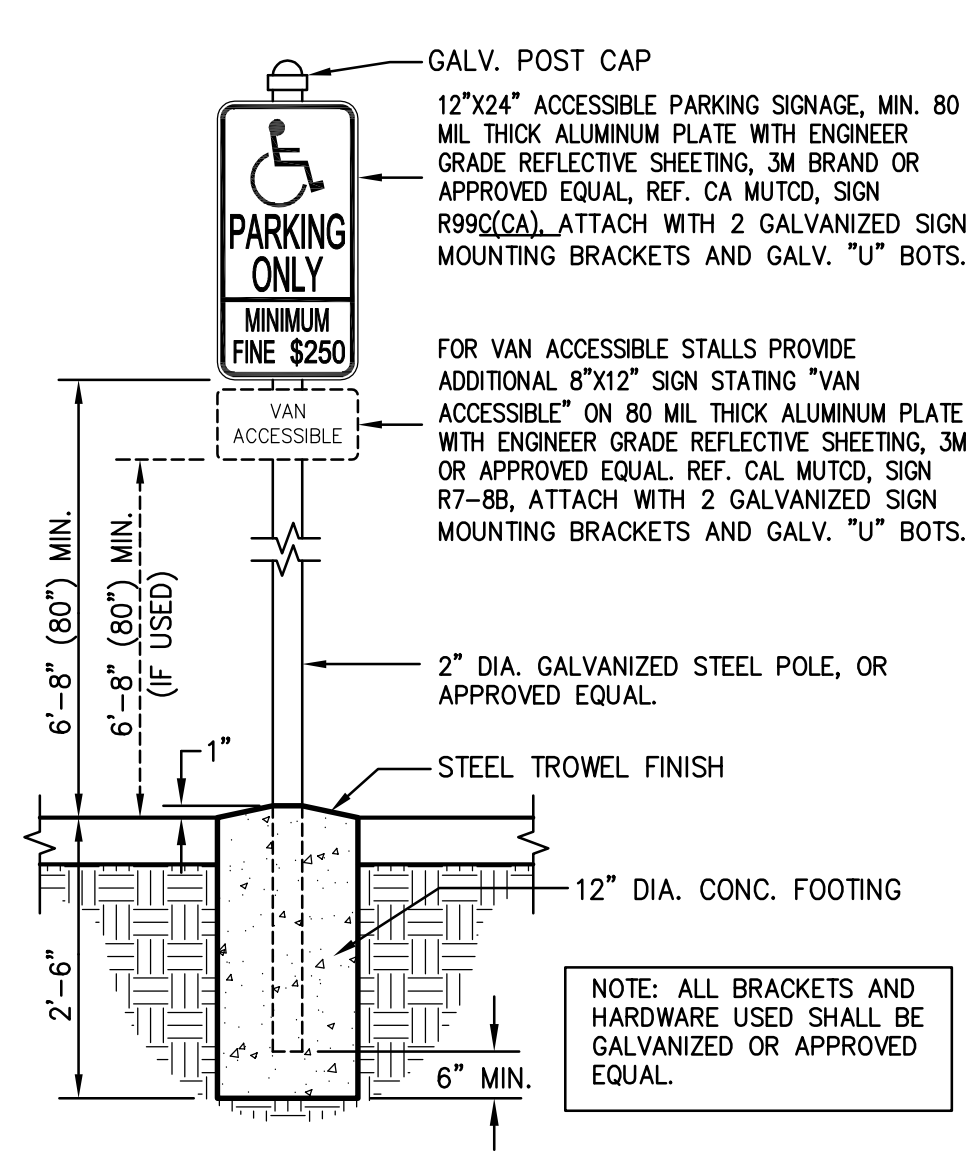


4 C6.2 PARKING AREA SIGN
(CALIFORNIA ONLY)
NO SCALE

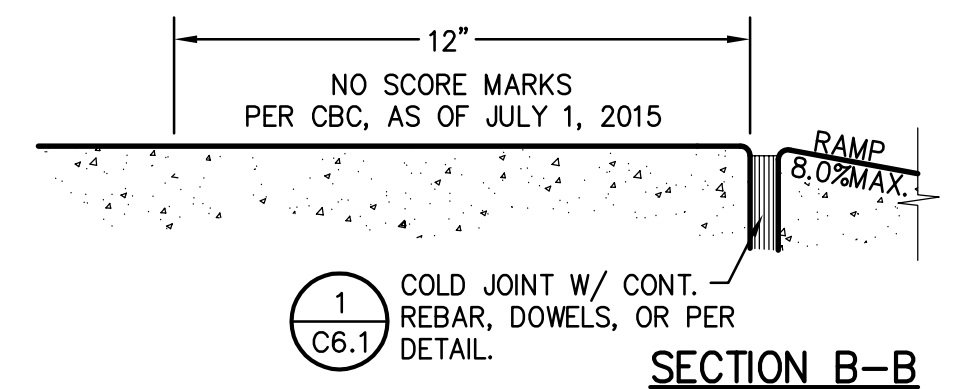
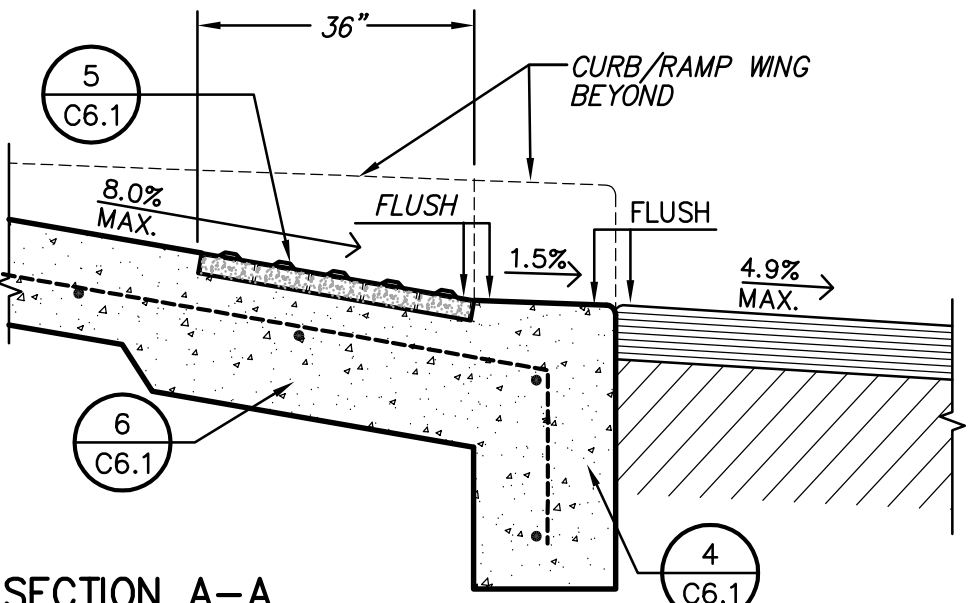
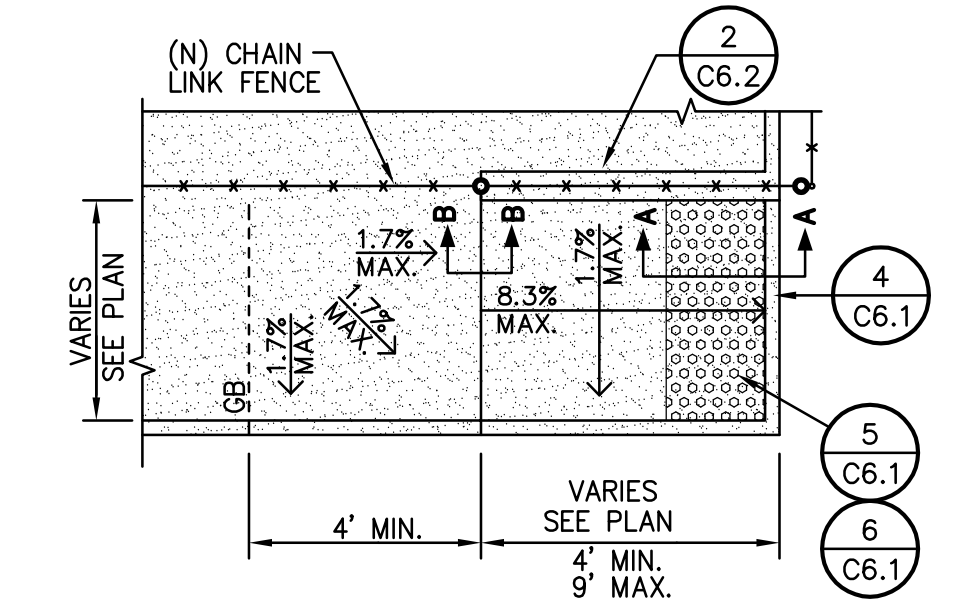


- NOTES:
1. THIS PARKING SYMBOL IS ALSO KNOWN AS THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA).

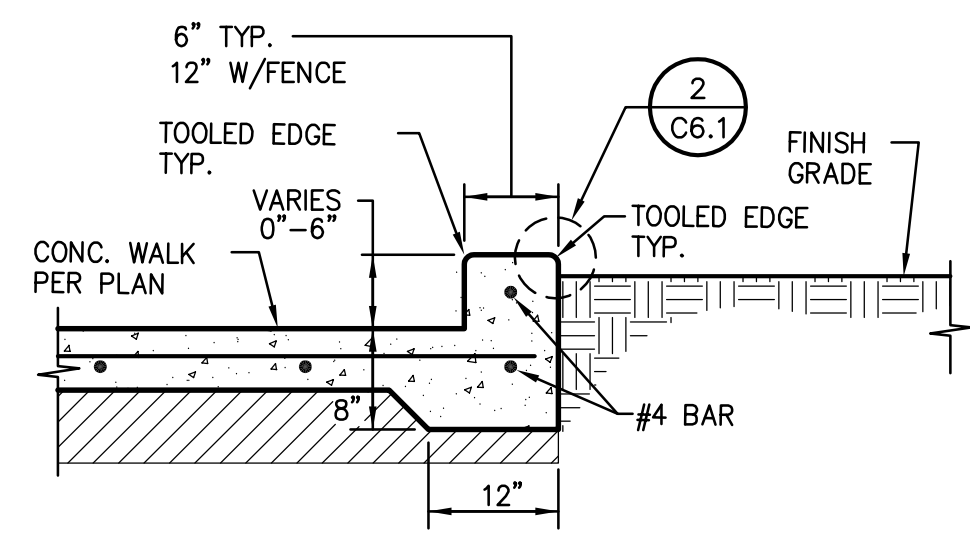
5 C6.2 ACCESSIBLE STRIPING
NO SCALE



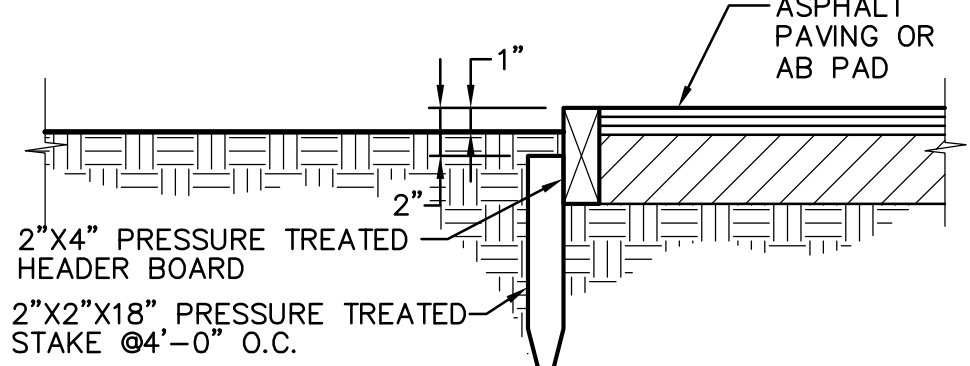
6 C6.2 PARKING SIGNAGE
ACCESSIBLE STALLS (CALIFORNIA ONLY)
NO SCALE



1 C6.2 ACCESSIBLE RAMP
NO SCALE



2 C6.2 WALKWAY EDGE CURB
NO SCALE



3 C6.2 HEADER BOARD
NO SCALE



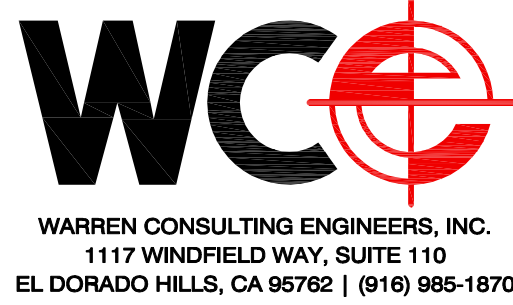
FILE NO. 39-50 APP NO. 02-117209

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Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL
DETAILS

CONSULTANT

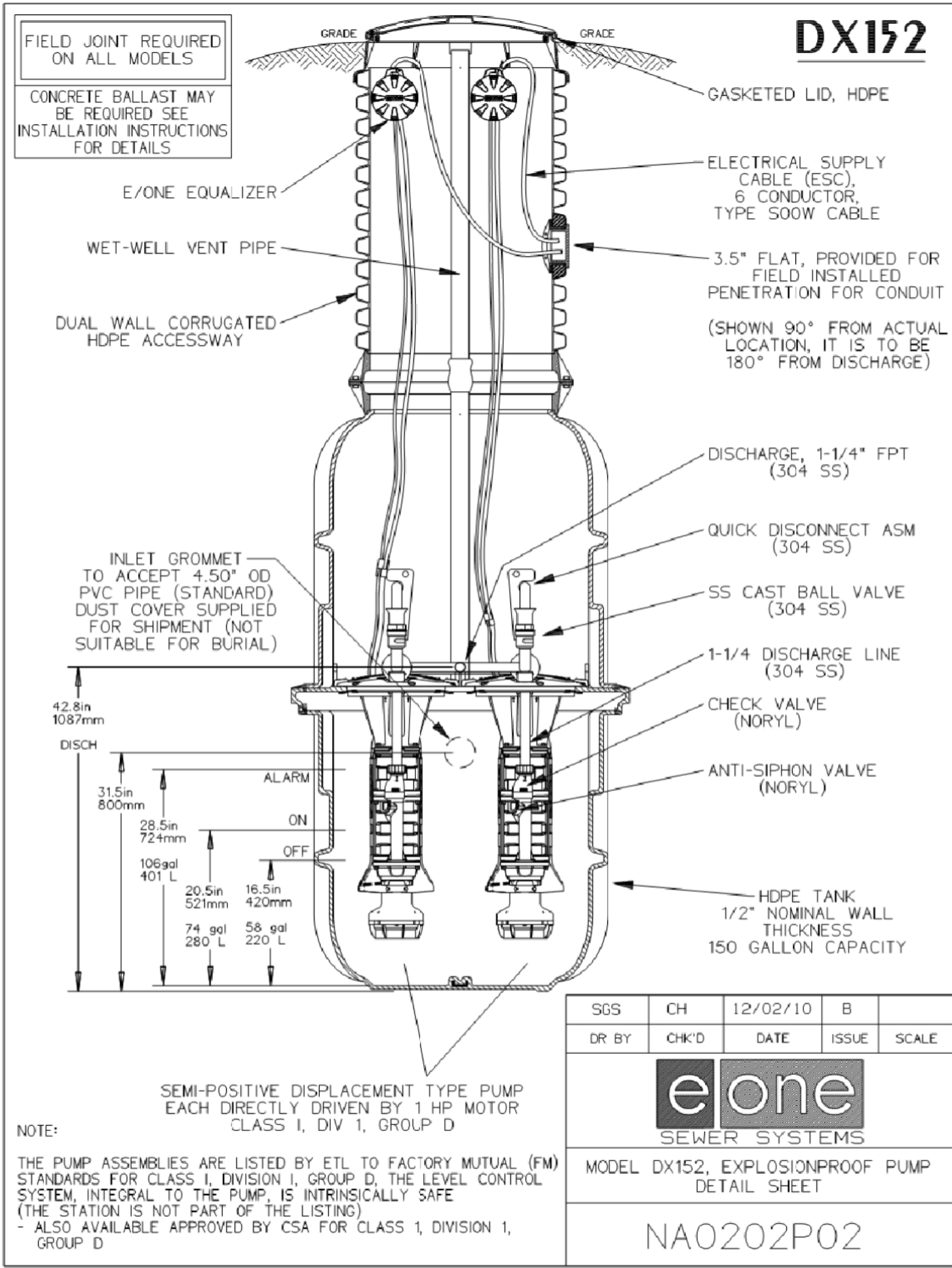
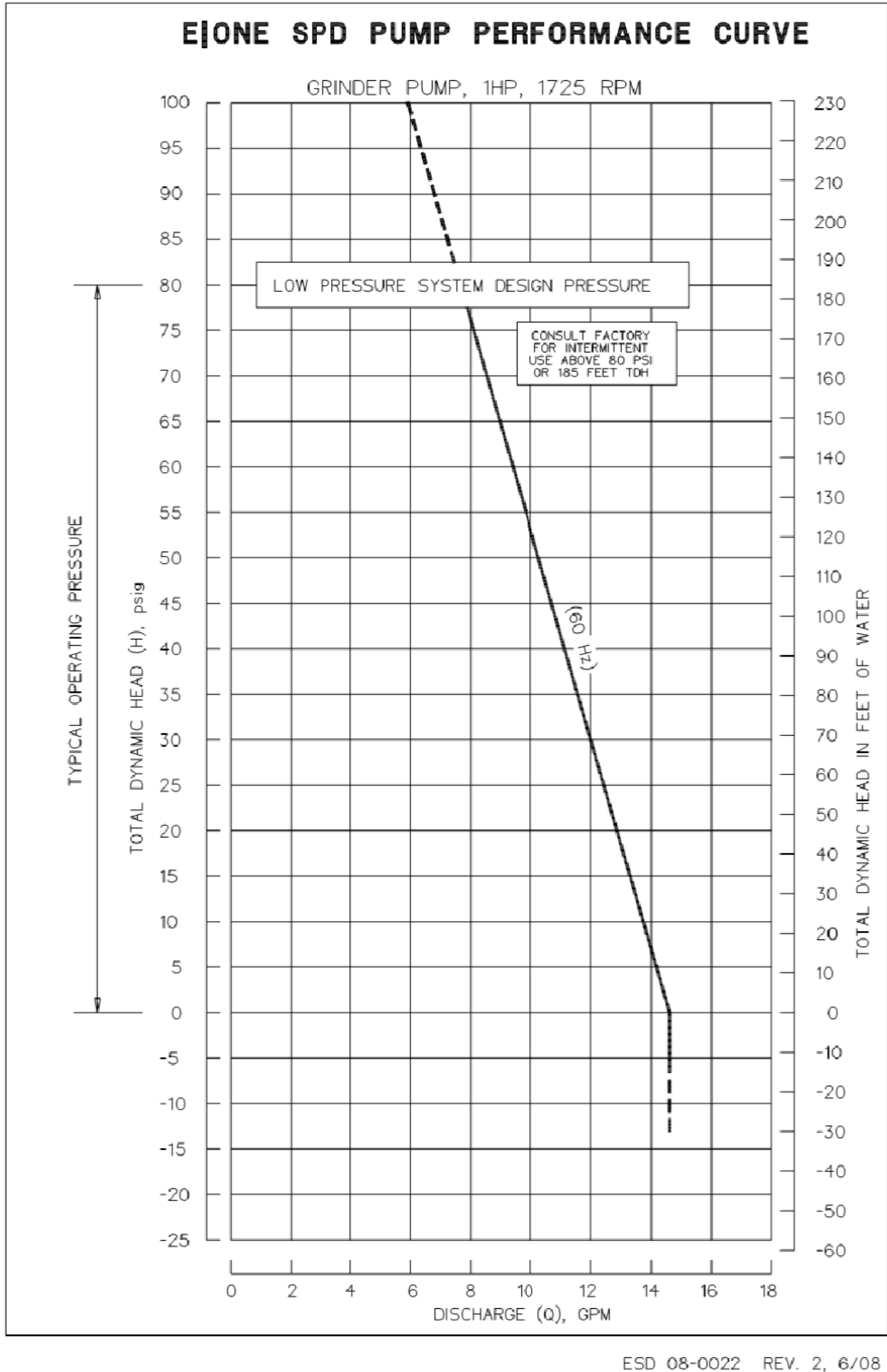
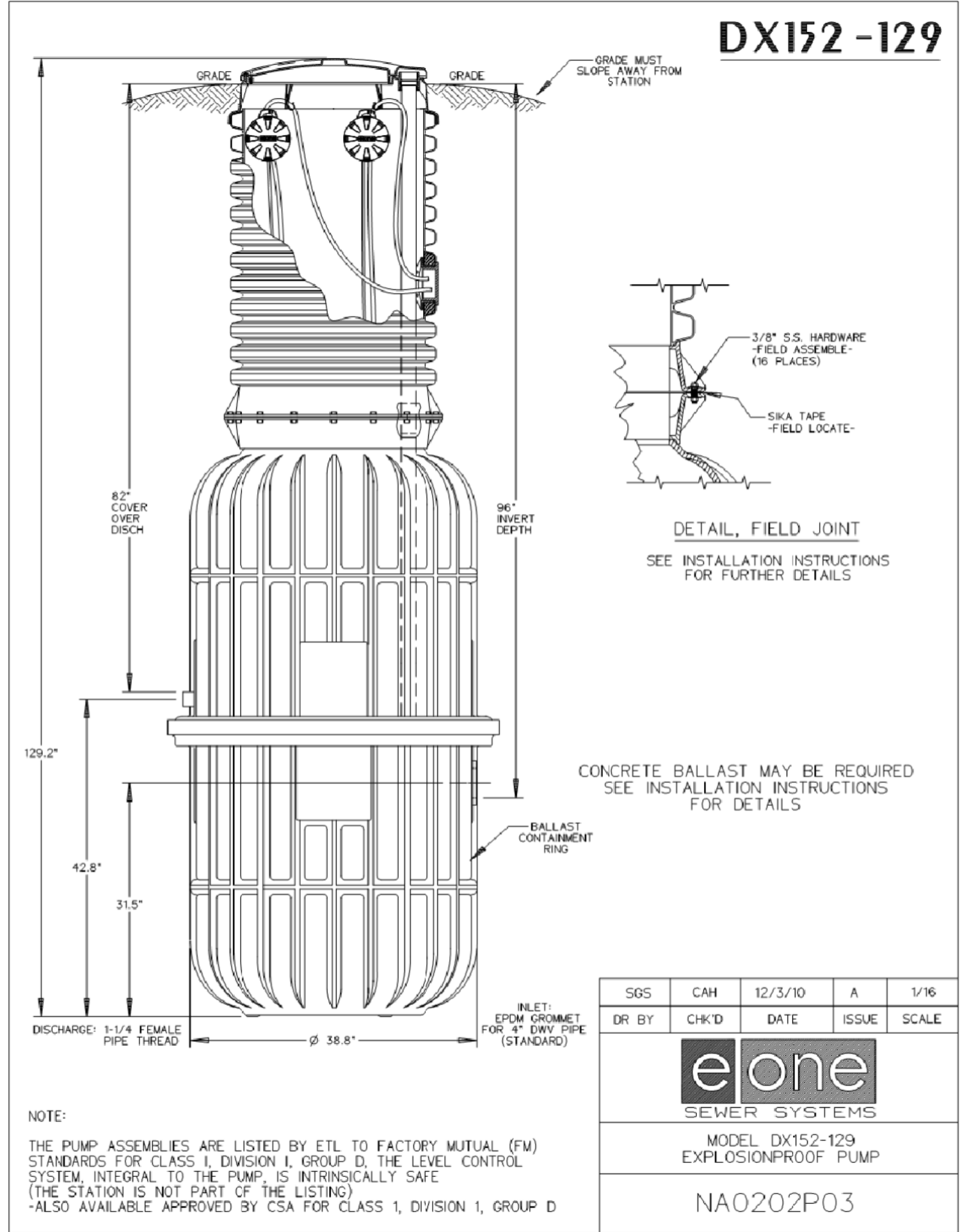


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C6.2

OF 102 SHEETS



E/ONE
EXTREME
SERIES

DX152

(DR152 with Explosionproof Grinder Pumps)

Description

The E/One model DX explosionproof grinder pump is engineered to meet the stringent Factory Mutual™ explosionproof equipment standards for use in locations classified as Class I, Division 1, Group D (approval standard 3615). The DX152 is a 150-gallon capacity grinder pump station that contains two explosionproof grinder pumps. Note: Only the pumps are listed by FM for explosionproof equipment.

General Features

The DX152 comes complete with a self-contained level control system, eliminating troublesome float switches. The pumps use the same level control system as the model DR152, the "wireless" pump model that uses radio frequency identification (RFID) technology to communicate between the level controls and the motor controls. The grinder pumps are automatically activated and run infrequently for very short periods. The internal check valve assemblies, located in the grinder pumps, are custom-designed for non-clog, trouble-free operation.

- 150 gallons (568 liters) of capacity; HDPE tank and lid
- Rated for flows of 3000 gpd (11,356 lpd)
- Available in heights of 129 inches and 180 inches; height adjustment can be performed in the field

E/One requires that the Uni-Lateral, E/One's own stainless steel check valve, be installed between the grinder pump station and the street main for added protection against backflow.

Operational Information

Motors

1 hp, 1725 rpm, high torque, capacitor start, thermally protected, 240V, 60 Hz, 1 phase

Inlet Connections

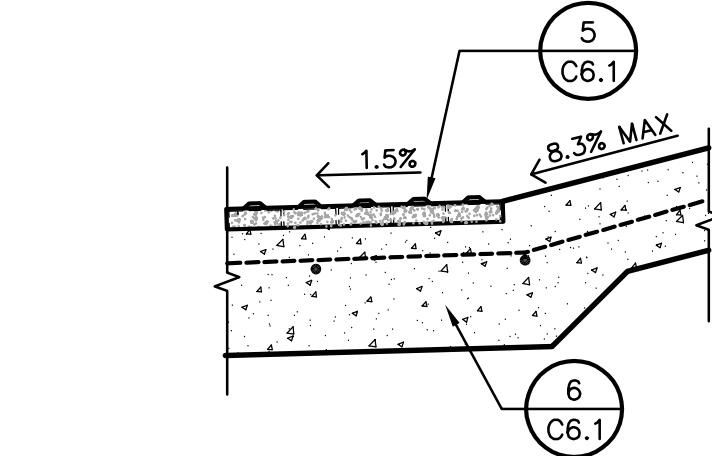
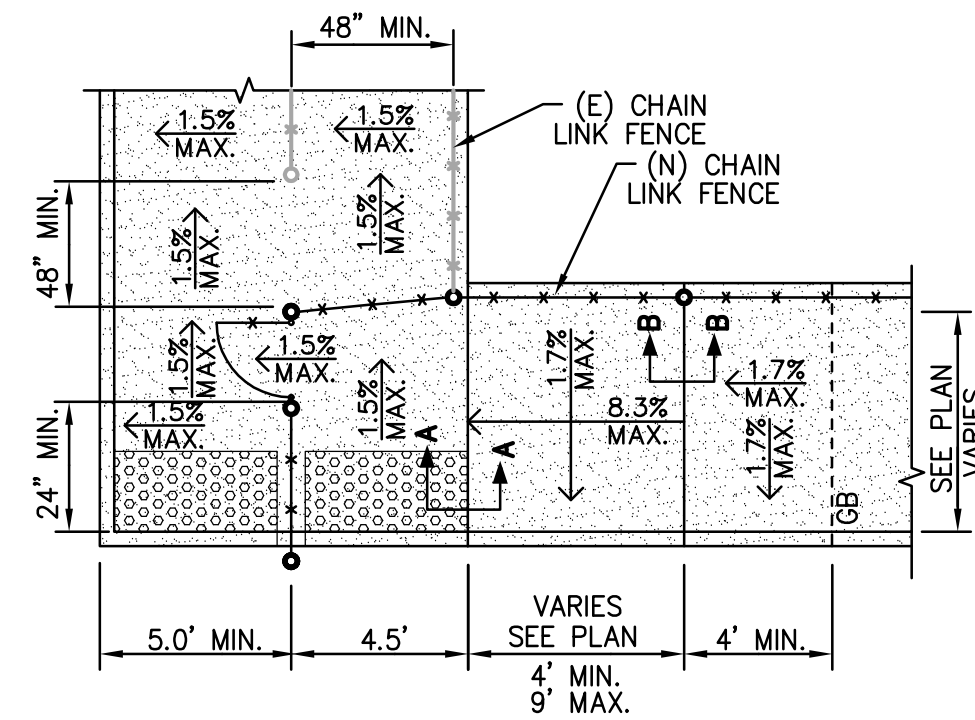
4-inch inlet grommet standard for DWV pipe. Other inlet configurations available from the factory.

Discharge Connections

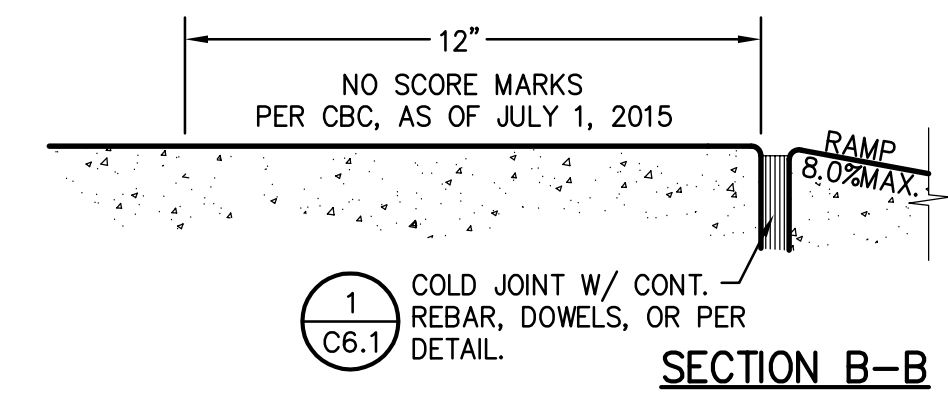
Pump discharge terminates in 1.25-inch female solvent weld fitting; threaded adapter is supplied and discharge can easily be adapted to 1.25-inch NPT.

Discharge (per pump)

15 gpm at 0 psig (0.95 lps at 0 m)
11 gpm at 40 psig (0.69 lps at 28 m)
7.8 gpm at 80 psig (0.49 lps at 56 m)

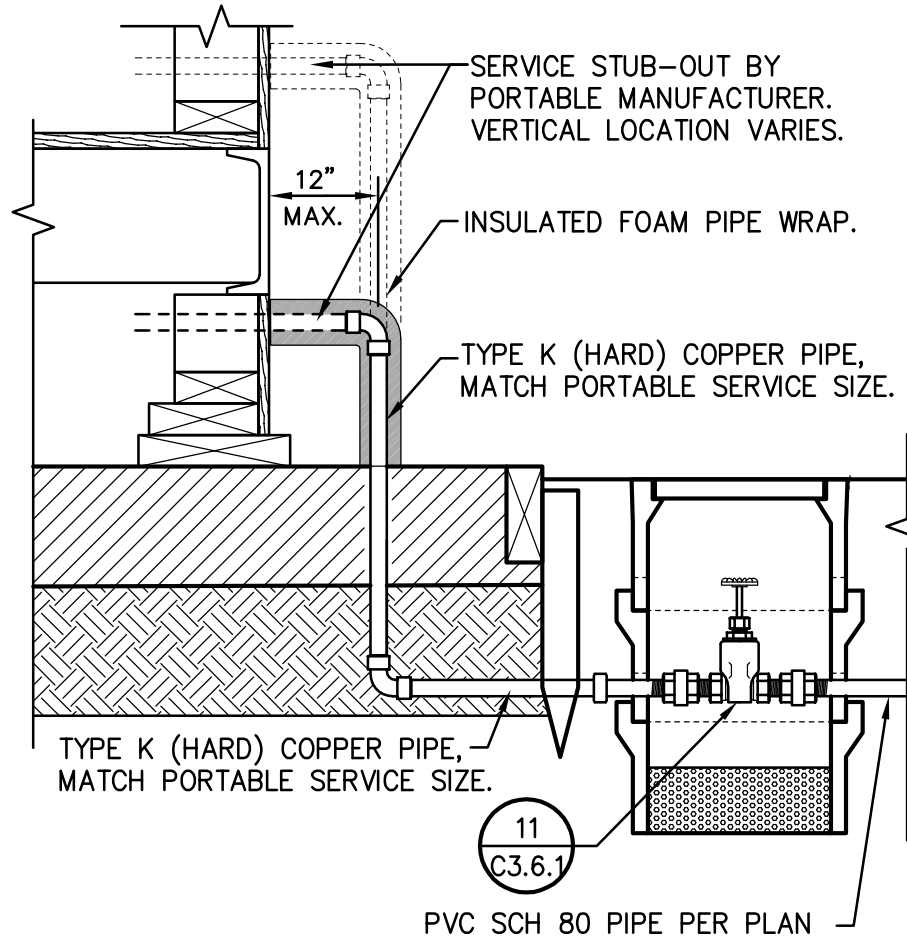


SECTION A-A



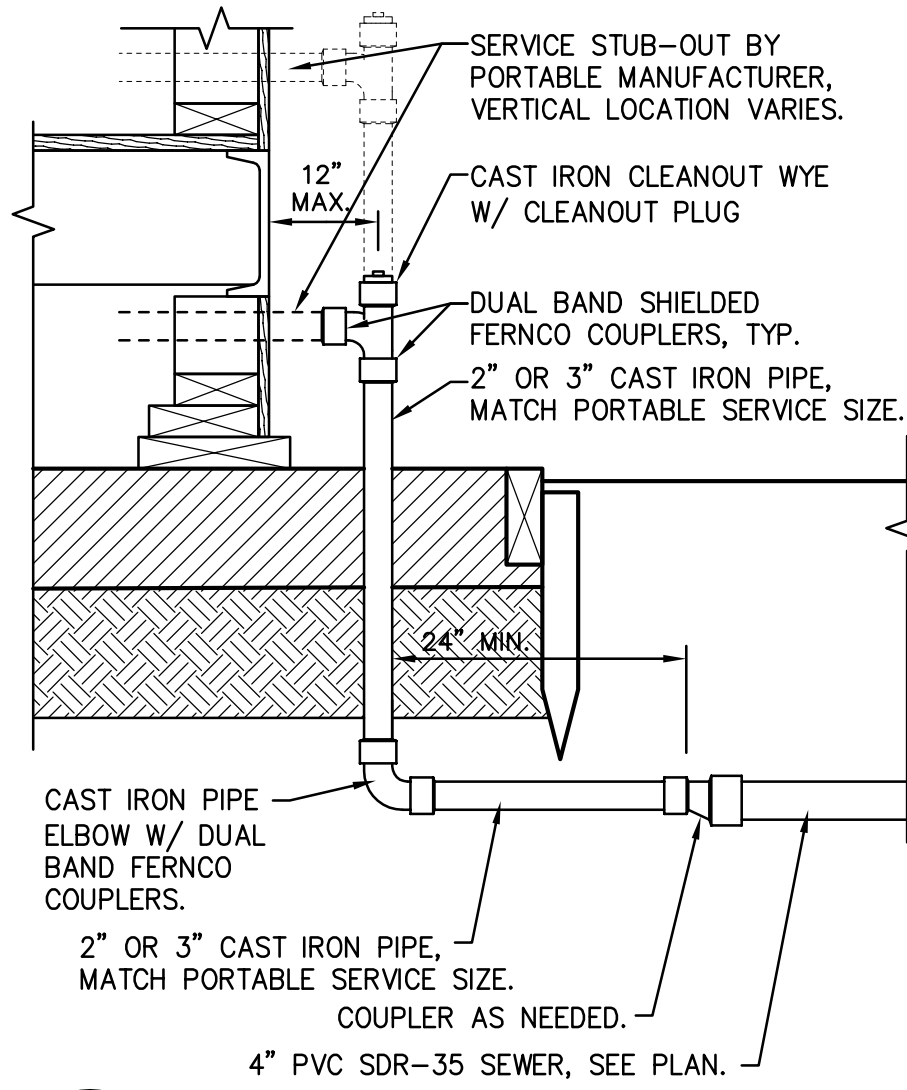
SECTION B-B

ACCESSIBLE RAMP



1
C6.3 WATER RISER

AT PORTABLE BUILDING NO SCALE

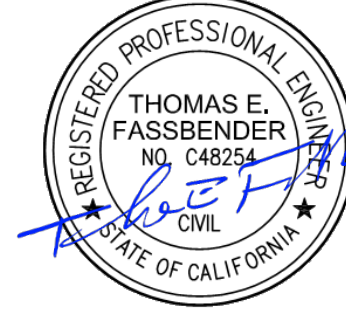


2
C6.3 SEWER RISER

AT PORTABLE BUILDING NO SCALE

3
C6.3 NOT USED

NO SCALE



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INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

DETAILS

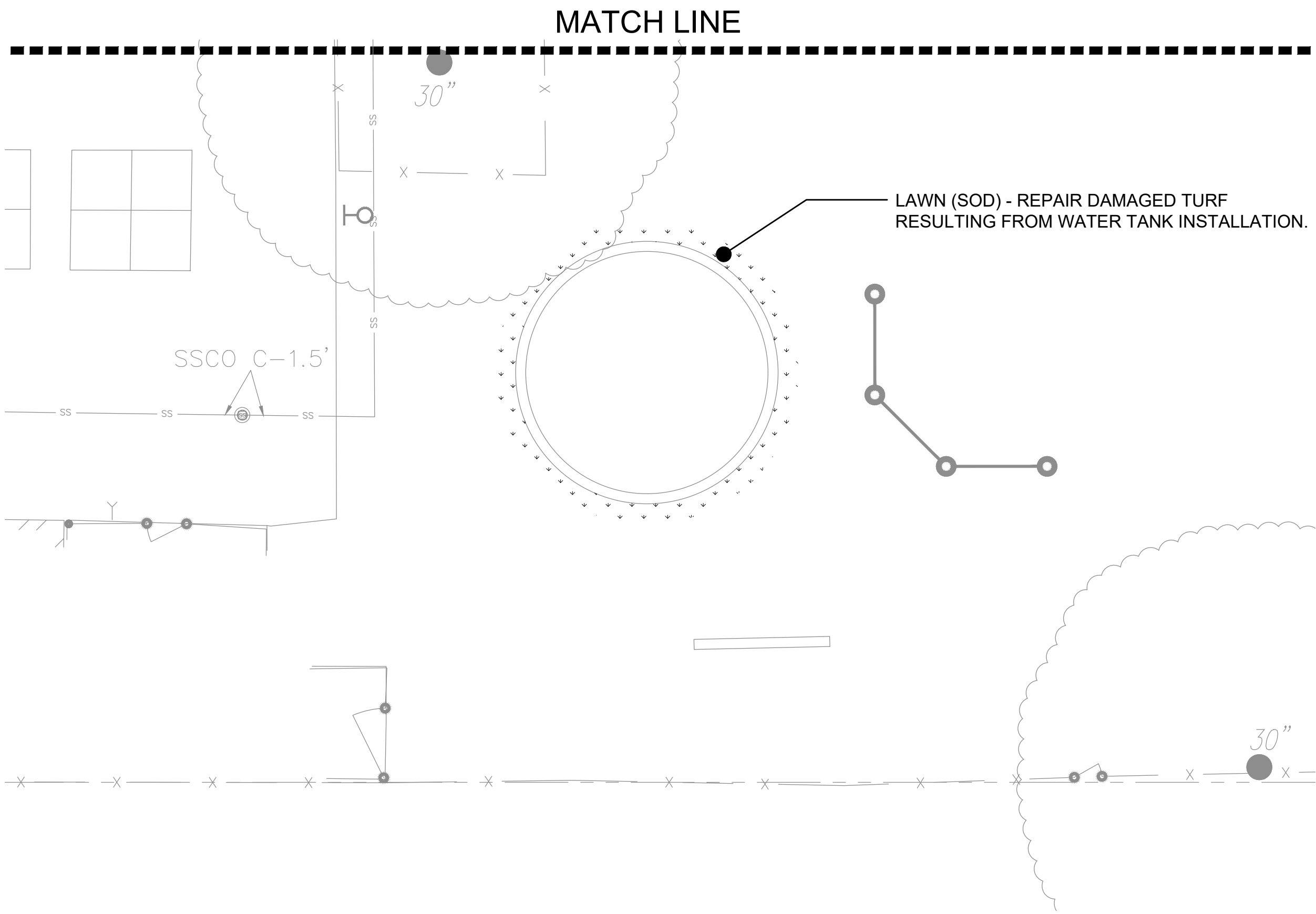
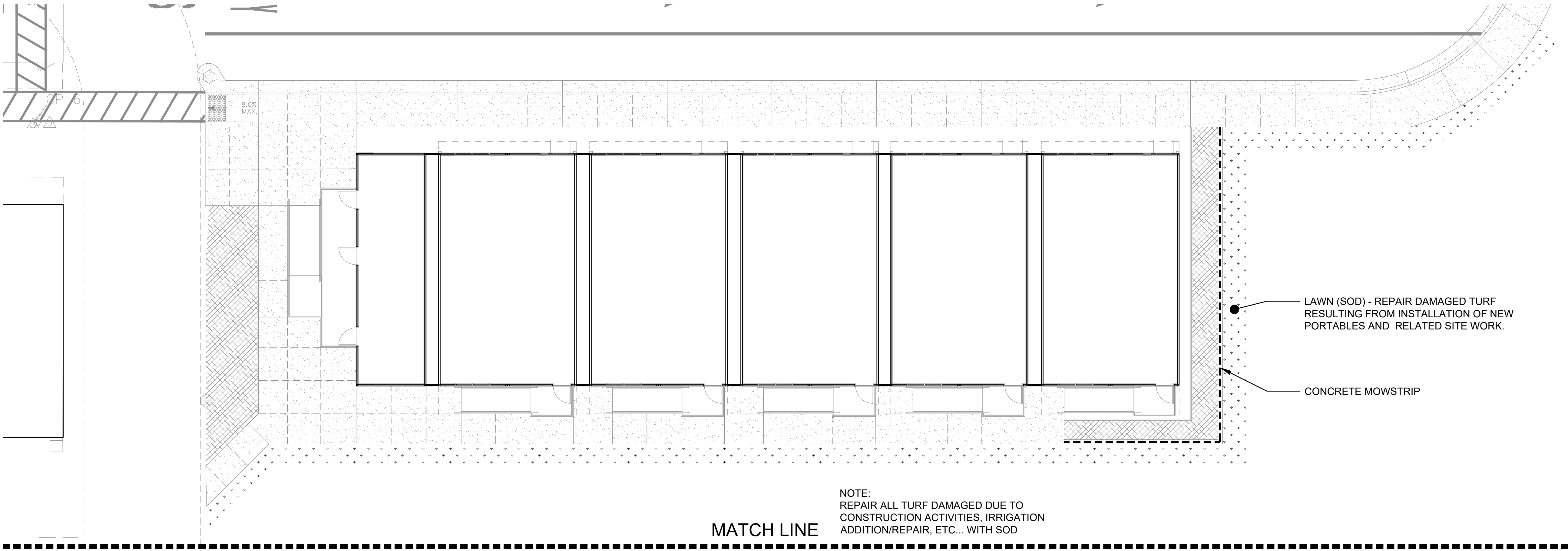
CONSULTANT



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SHEET NO.

C6.3



GENERAL LANDSCAPE REQUIREMENTS/NOTES

1. NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
2. NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
3. QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
4. PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE
5. SEE SHEET L3.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOD OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2" DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

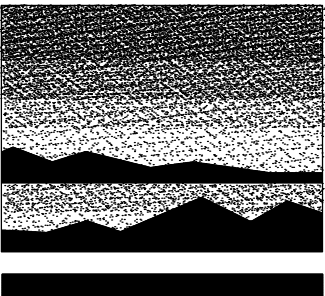
PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1--AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED. DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

KEY	LANDSCAPE LEGEND
	LAWN (SOD)
	BARK MULCH ONLY
	CONCRETE MOWSTRIP

18-059



MTW *group*
LANDSCAPE ARCHITECTURE
AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

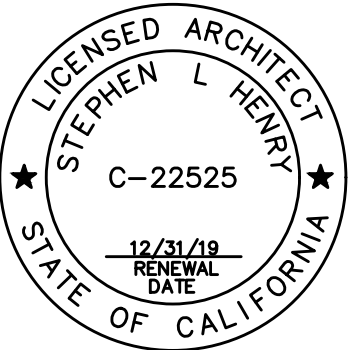


Bryan Hollis Walker

C-5453

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730 Howe Avenue, Suite 450
Sacramento, CA 95825
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Fax: 916.921.2212



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

LANDSCAPE
PLANTING PLAN

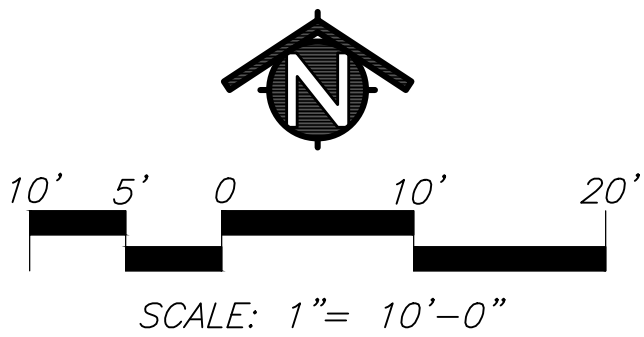
CONSULTANT

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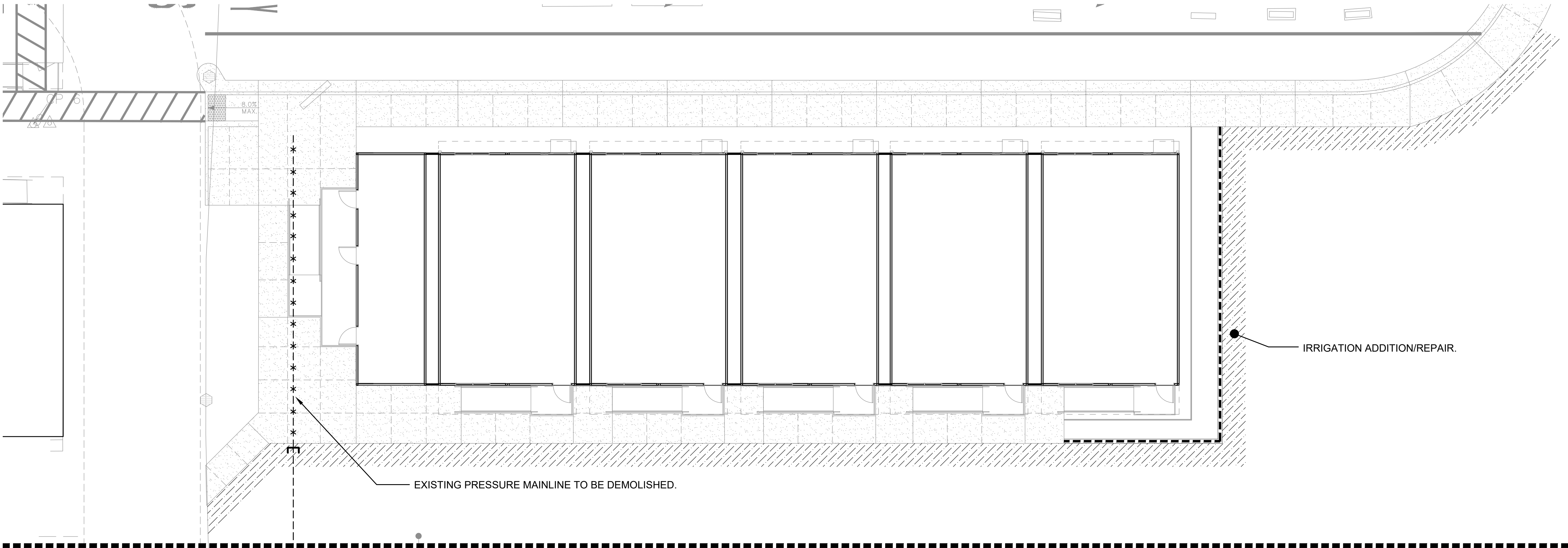
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L1

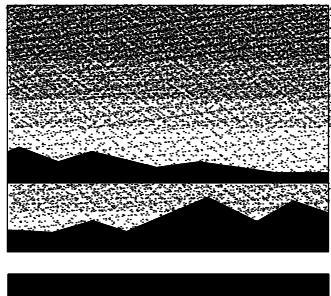
01 OF 102 SHEETS



SCALE: 1"= 10'-0"



18-059



MTW *group*
LANDSCAPE ARCHITECTURE
AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

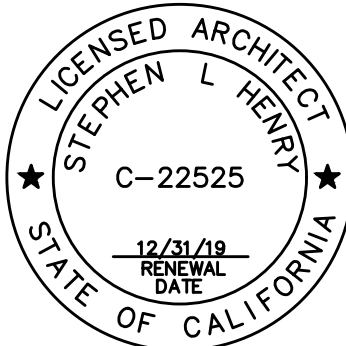


Bryan Hollis Walker

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INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

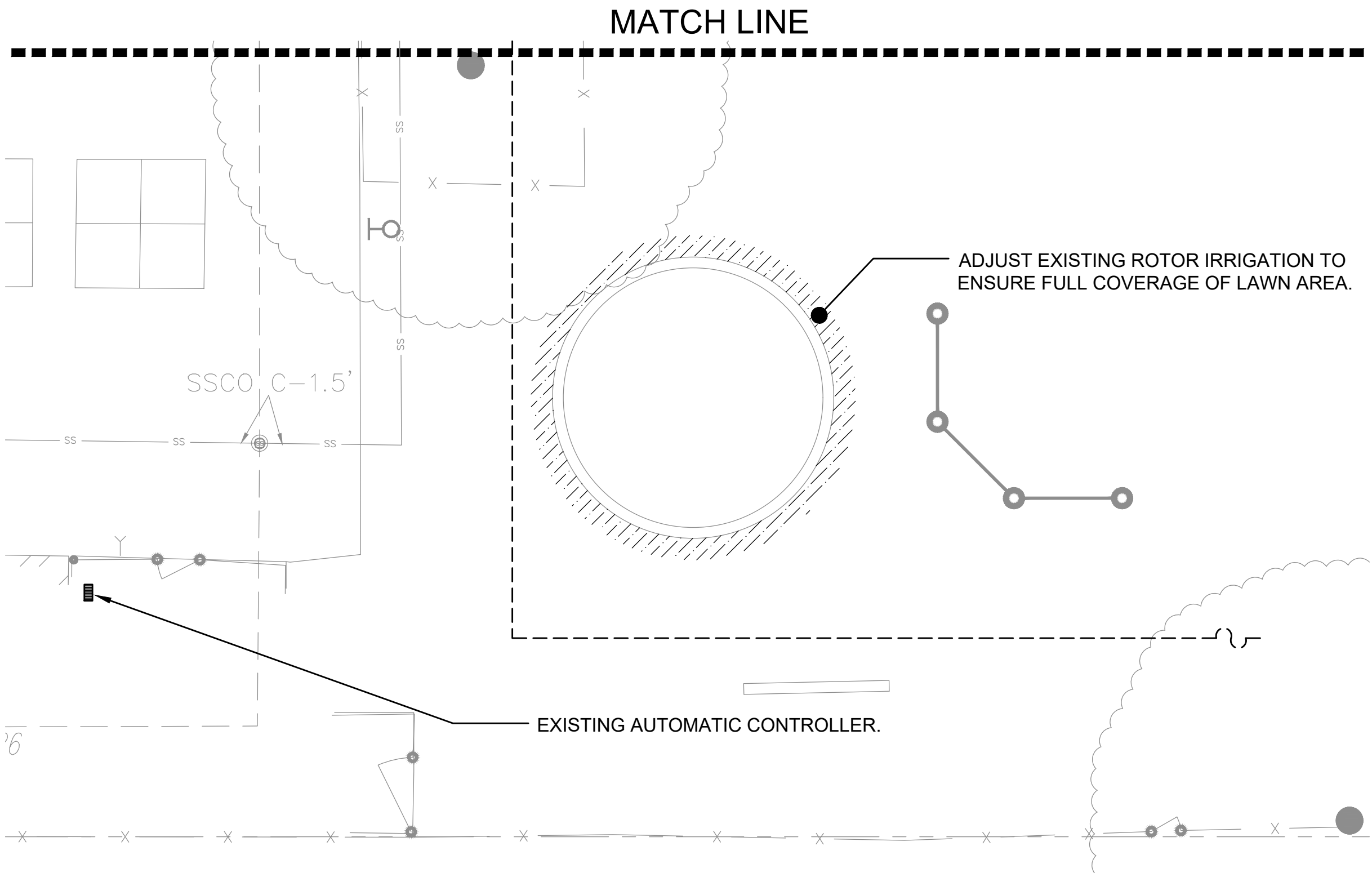
LANDSCAPE
IRRIGATION PLAN

CONSULTANT

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L2

02 OF 102 SHEETS



KEY

SPRINKLER IRRIGATION LEGEND

EXISTING IRRIGATION CONTROLLER

POINT OF CONNECTION

PRESSURE MAIN LINE:

TYPE:
ASTM D1785, PVC SCH. 40.

TRENCH DEPTH:
IN PLANTED AREAS: 24" MINIMUM COVER.
UNDER PAVED AREAS: 24" MINIMUM COVER.
PVC SCHEDULE 40 SLEEVES ARE REQUIRED FOR ALL PIPING UNDER PAVEMENT.

EXISTING PRESSURE MAIN LINE TO REMAIN:

LOCATION APPROXIMATE, VERIFY EXACT LOCATION ON-SITE.

EXISTING PRESSURE MAIN LINE TO BE DEMOLISHED:

DEMO EXISTING MAINLINE, VERIFY DOWNSTREAM CONNECTIONS PRIOR TO DEMOLITION.
RE-LOCATE EXISTING VALVES AND LATERAL LINES TO REMAIN AS REQUIRED TO EXISTING LAWN AREA SOUTH OF THE NEW CONSTRUCTION. CONTROL VALVES ARE BURIED, LOCATIONS UNKNOWN. MAINLINE LOCATION APPROXIMATE, VERIFY EXACT LOCATION ON-SITE.

IRRIGATION ADDITION/REPAIR:

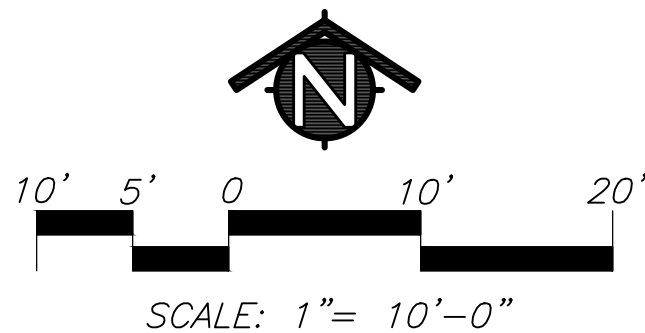
ADD NEW RAINBIRD FALCON 6" ROTORS WITH STAINLESS STEEL RISERS AT APPROXIMATELY 45' ON CENTER. PROVIDE TRIANGULATED HEAD-TO-HEAD COVERAGE WITH EXISTING ROTORS IN THE FIELD. INSTALL NEW 2" VALVE (MATCH EXISTING TYPE) AND USE EXISTING VALVE WIRES. REPAIR/ADJUST EXISTING ROTOR IRRIGATION IN THE FIELD TO ENSURE HEAD-TO-HEAD COVERAGE OF LAWN AREA. OVERSPRAY ONTO BUILDINGS SHALL NOT BE PERMITTED. CONTRACTOR TO LOCATE VALVES BURIED ON-SITE PRIOR TO CONSTRUCTION AND DEMOLITION.

SPRINKLER IRRIGATION NOTES

- COMPOSITE BASE SHEET: PROPOSED IMPROVEMENTS SHOWN ON DRAWINGS ARE SUPERIMPOSED ON A COMPOSITE BASE SHEET. THE COMPOSITE BASE SHEET IS A COMPILATION OF ARCHITECTURAL, ENGINEERING, AND OTHER DATA THAT IS PROVIDED. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR ERRORS PERTAINING TO THE COMPOSITE BASE SHEET. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS. ANY DISCREPANCIES NEED TO BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM AND RESOLVED PRIOR TO CONTINUATION OF WORK.
- DESIGN PRESSURE SHOWN ON PLANS HAS BEEN FURNISHED BY WATER COMPANY OR WATER DISTRICT SERVING SITE. VERIFY PRESSURE ON-SITE PRIOR TO THE INSTALLATION OF ANY SPRINKLER IRRIGATION EQUIPMENT. IF THERE IS A DISCREPANCY, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE BY LANDSCAPE ARCHITECT. FAILURE TO REPORT DISCREPANCIES AND CONTINUANCE OF WORK WILL RESULT IN ALL RE-DESIGN COSTS BEING CHARGED TO CONTRACTOR.
- DETERMINE LOCATION OF UNDERGROUND UTILITIES. DAMAGE CAUSED BY INSTALLATION OF THIS WORK SHALL BE REPAIRED TO SATISFACTION OF GOVERNING AGENCY OR OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY.
- TESTING:
A. PRESSURE TEST ALL UNDERGROUND PIPING AS FOLLOWS:
SYSTEMS WITH BOOSTER PUMP:
MAIN LINE - AT 100 PSI FOR 4 HOURS.
LATERAL LINES - AT 100 PSI FOR 2 HOURS.
SYSTEMS WITH OUT BOOSTER PUMP:
MAIN LINE - AT STATIC PSI FOR 4 HOURS.
LATERAL LINES - AT STATIC PSI FOR 2 HOURS.
- LAYOUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS OR ADJUSTMENTS WILL BE REQUIRED.
- COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
- NO PLANTING SHALL BE STARTED UNTIL ALL SPRINKLER WORK HAS BEEN TESTED AND APPROVED IN PRESENCE OF OWNER'S REPRESENTATIVE.
- FOR LANDSCAPE IRRIGATION INSTALLATION DETAILS, SEE SHEET NO. L3.1.

PRE-CONSTRUCTION SPRINKLER IRRIGATION NOTES

- PRIOR TO START OF CONSTRUCTION CONTRACTOR REQUIRED TO CONTACT LUSD IRRIGATION MAINTENANCE REPRESENTATIVE TO SET UP A MEETING ON SITE TO OPERATE THE EXISTING SPRINKLER IRRIGATION SYSTEM AND DISCUSS THE MODIFICATIONS THAT ARE TO BE MADE TO THE EXISTING SYSTEM TO ACCOMMODATE FOR THE NEW CONSTRUCTION.
- CONTRACTOR TO OPERATE AND PROGRAM EXISTING SPRINKLER IRRIGATION SYSTEM THAT IS TO REMAIN IN ORDER TO PROVIDE WATER TO THE EXISTING LANDSCAPE TO REMAIN.
- CONTRACTOR TO REMOVE ALL EXISTING PIPE AND SPRINKLER HEADS WHEN THEY ARE IN NEW PLANTING AREAS.
- CONTRACTOR TO RESTORE AND REPAIR ANY EXISTING SPRINKLER IRRIGATION SYSTEM OR EXISTING LANDSCAPE WHICH IS IN AREAS TO REMAIN THAT IS DAMAGED BY NEW WORK.
- ALL WORK TO EXISTING SPRINKLER IRRIGATION SYSTEM TO BE COMPLETED PRIOR TO SITE DEMOLITION.

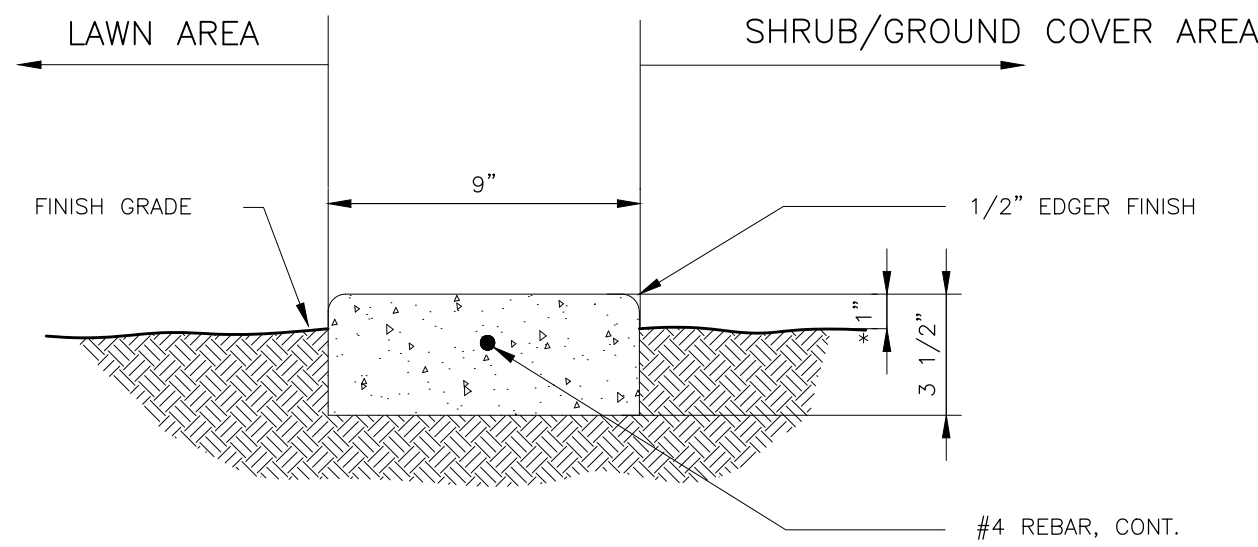


SCALE: 1"= 10'-0"

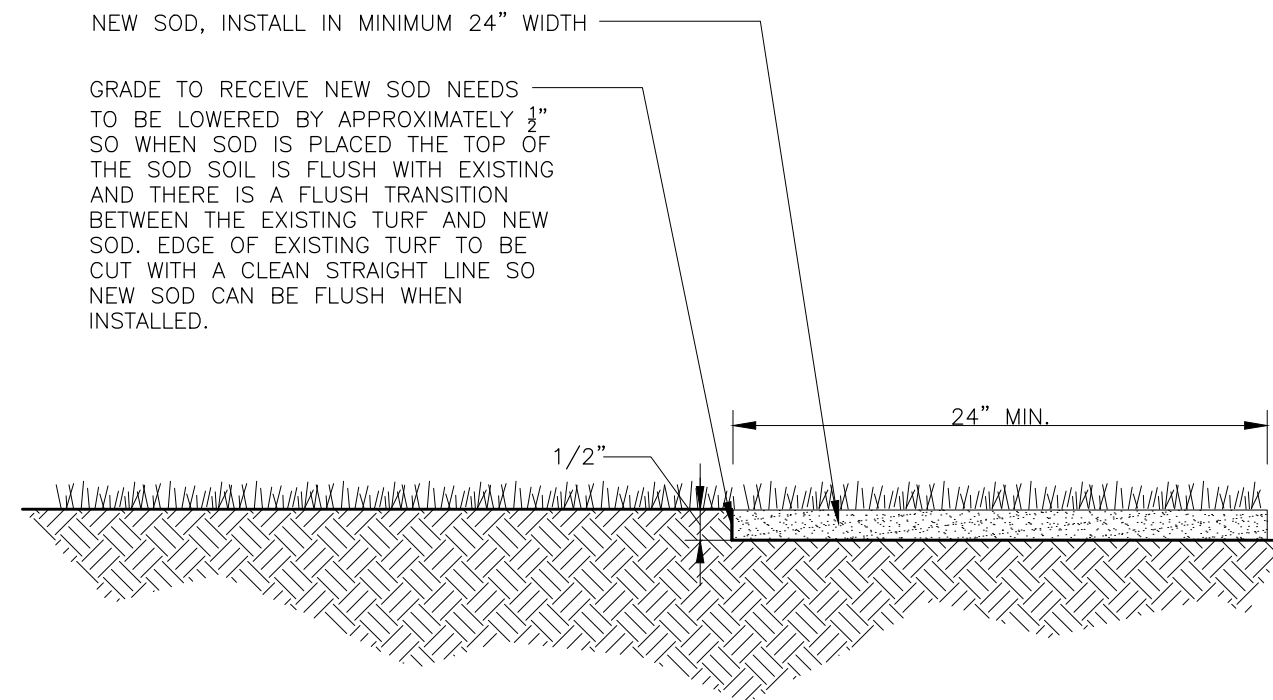
Diagram illustrating the components of a tree planting pit:

- FINISH GRADE
- ROOTBALL—PLANT WITH TOP OF ROOTBALL 1" ABOVE FINISH GRADE.
- MULCH—3" LAYER OF DECORATIVE WALK-ON BARK. (NOT TOUCHING TRUNK)
- EARTH BASIN: DIAMETER 12" LARGER THAN THE ROOTBALL
- BACKFILL MATERIAL: 50% NATIVE SOIL AND 50% SOIL AMENDMENT, WHICH SHALL BE A 90% BARK BASE PRODUCT, 1/4" SIZE, TREATED TO HAVE 1% NITROGEN. CROWN, THEN FIRM TO REDUCE SETTLING.
- PLANTING PIT: TWICE AS WIDE AND ONE AND A HALF TIMES AS DEEP AS THE CONTAINER
- PLANT TABLETS:
USE 3 FOR 1 GAL. CAN SIZE.
USE 9 FOR 5 GAL. CAN SIZE.

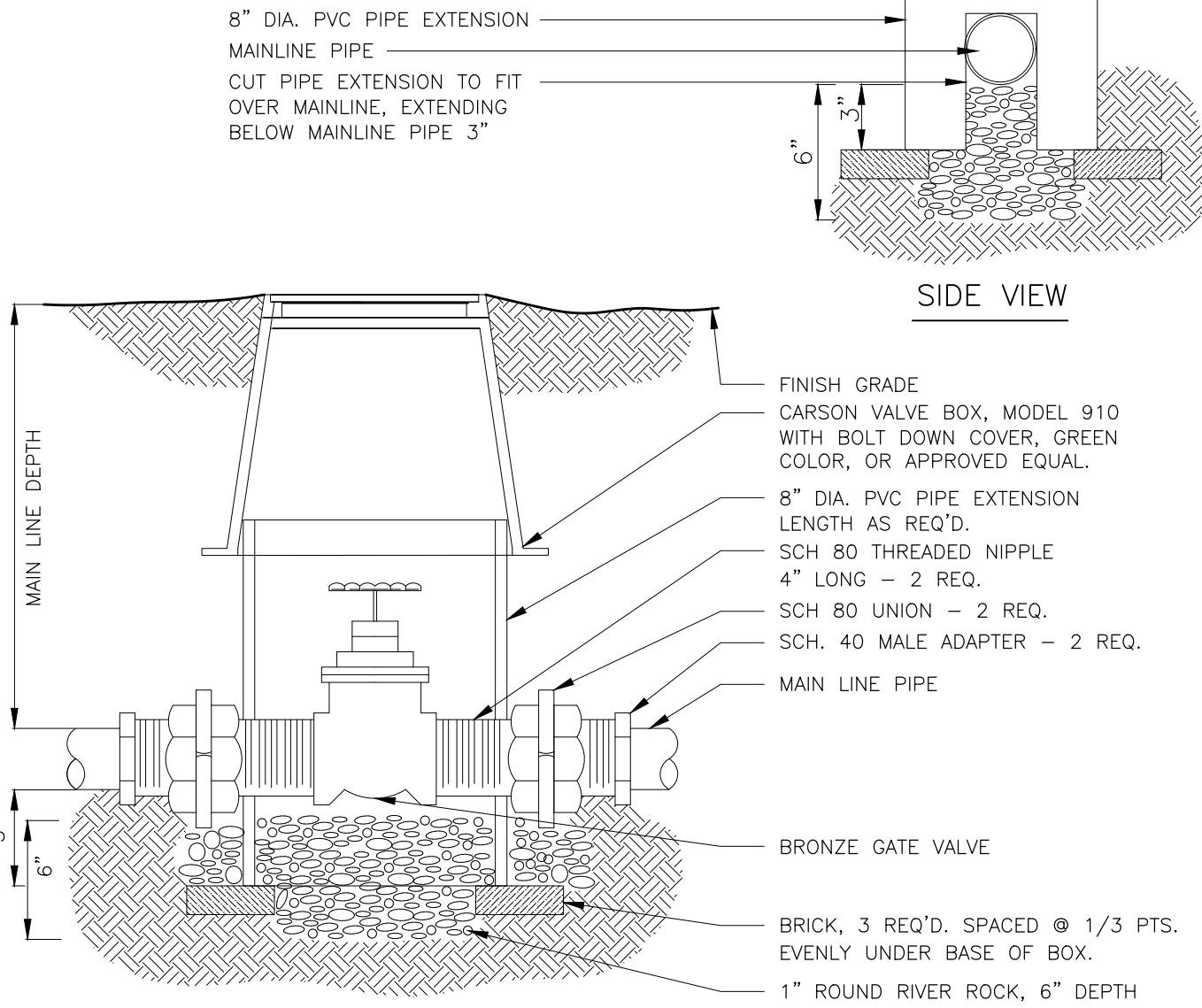
1. USE 1/2" FELT EXPANSION JOINT MATERIAL
AT ALL CHANGES OF DIRECTIONS AND AT 10' O.C.
- * 2. WHEN SURFACE DRAINAGE IS INTENDED TO FLOW
TOWARD AND ACROSS MOWSTRIP, SOIL SURFACE
SHALL BE FLUSH WITH TOP OF MOWSTRIP. UNLESS
OTHERWISE NOTED SOIL SHALL BE 1" BELOW TOP
OF MOWSTRIP.
3. ALL CONCRETE SHALL BE 5 SACK MIX, 2800 PSI
AT 28 DAYS AFTER POUR.
4. FINISH SHALL BE FINE BROOM.



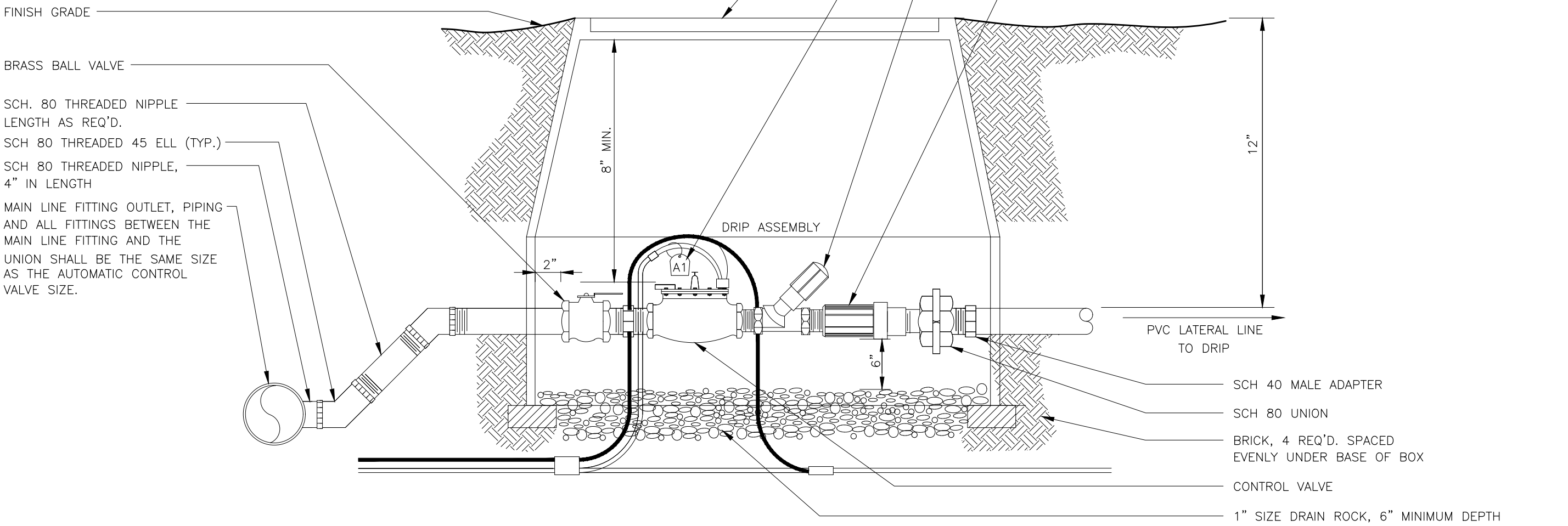
1. SEE SPECIFICATIONS FOR SOD BLEND.



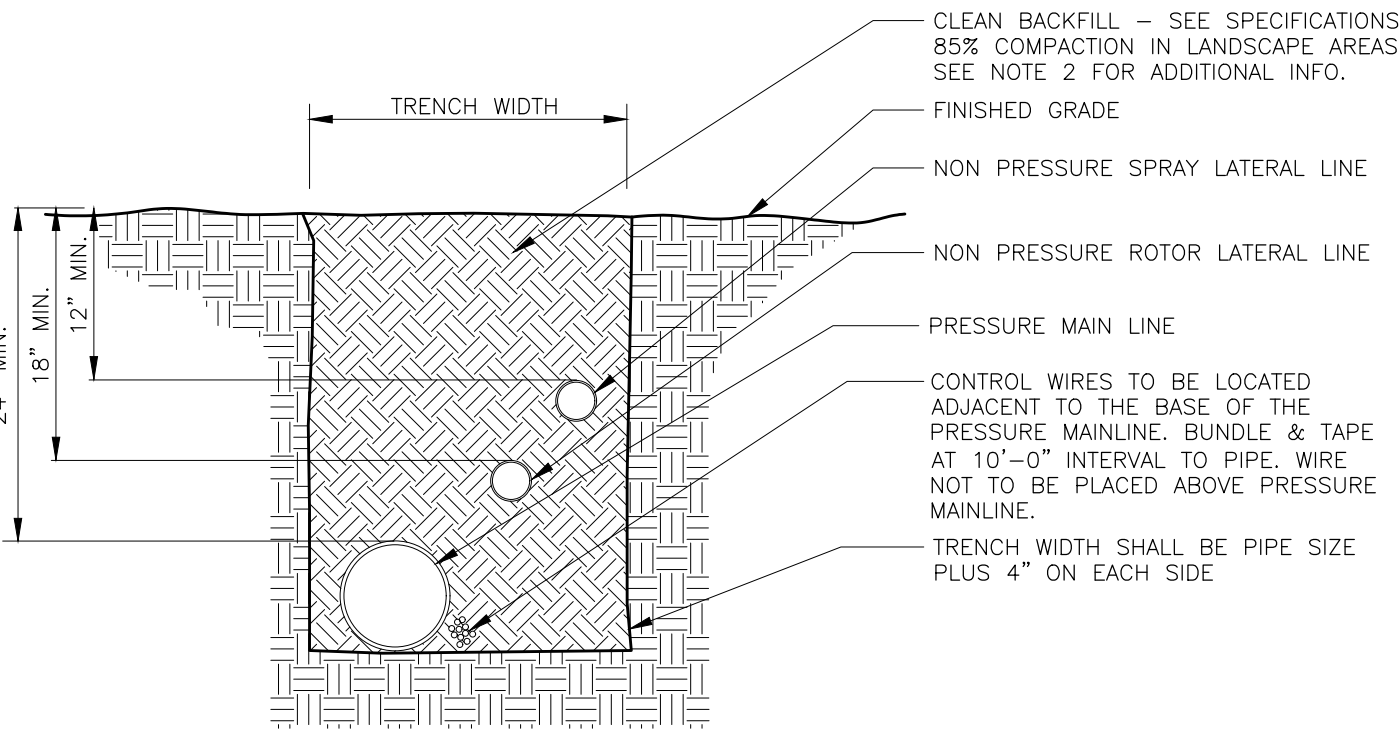
NOTE:
1. COMPACT SOIL AROUND PLASTIC VALVE BOX TO SAME DENSITY
AS SURROUNDING UNDISTURBED SOIL.



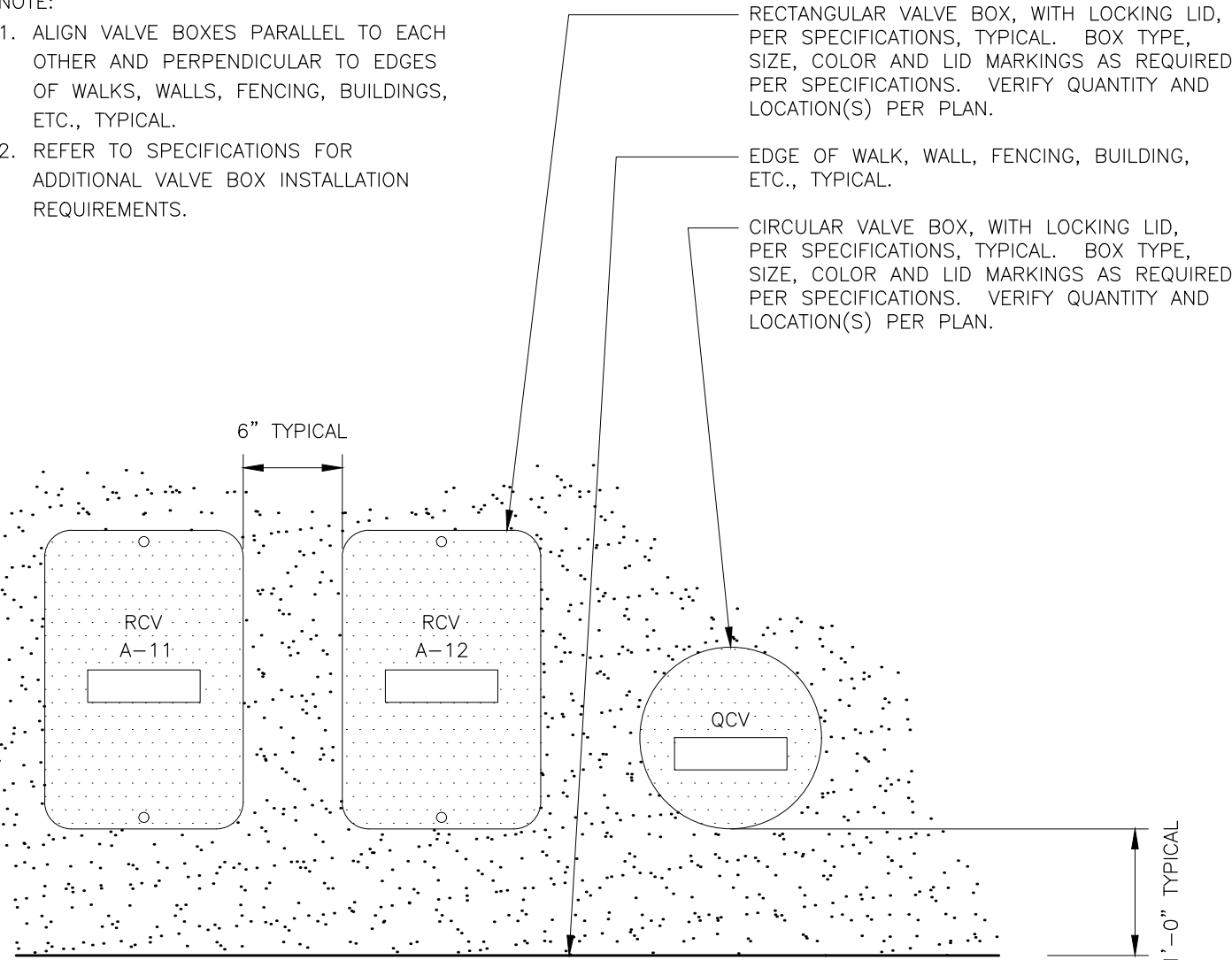
1. SET VALVE BOX LEVEL WITH FINISH GRADE.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED.
3. CONNECT ALL WIRES WITH WEATHER TIGHT CONNECTORS.
SPICES IN WIRE SHALL BE PERMITTED ONLY AT VALVE LOCATIONS
4. TAPE AND BUNDLE WIRE EVERY 10 FEET
5. PROVIDE 18" EXPANSION LOOP OF COILED WIRE AT EACH WIRE CONNECTION IN VALVE BOX.



1. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.
2. WHEN TRENCHES ARE LOCATED UNDER PAVEMENT, COMPACTION RATE FOR THE BACKFILL SHALL COMPLY WITH THE COMPACTION RATES REQUIRED FOR THOSE PAVING SECTIONS.
3. PIPES TO HAVE A MINIMUM OF 6" HORIZONTAL SEPARATION WHEN PLACED IN THE SAME TRENCH ALONG WITH A MINIMUM OF 6" VERTICAL SEPARATION



1. ALIGN VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGES OF WALKS, WALLS, FENCING, BUILDINGS, ETC., TYPICAL.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL VALVE BOX INSTALLATION REQUIREMENTS.



6

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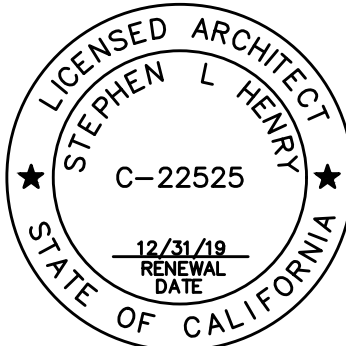
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FILE NO. 39-50 APP NO. 02-117209

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



HENRY+
ASSOCIATES
ARCHITECTS



INCREMENT 01
RELOCATABLES BUILDINGS
HOUSTON SCHOOL

PLANTING AND IRRIGATION DETAILS

CONSULTANT

PROJECT NO 18-32-046	REVISIONS	BY
DATE 02/25/2019		
DRAWN SLH		
CHECKED SLH		
SCALE		
CADFILE		
UPDATED		

SHEET NO

L3

GENERAL SPECIFICATIONS

1. MATERIALS AND WORKMANSHIP:

ALL WORK FORCES SHALL BE SKILLED AND QUALIFIED FOR THE WORK THEY PERFORM. ALL MATERIALS USED, UNLESS NOTED OTHERWISE, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED.

WORKMANSHIP SHALL BE EQUAL TO OR BETTER IN QUALITY THAN THAT REQUIRED BY THE VARIOUS CONSTRUCTION TRADES FOR A FINISHED PRODUCT.

ALL CONTRACTORS SHALL CERTIFY TO THE SCHOOL DISTRICT IN WRITING THAT NO ASBESTOS CONTAINING MATERIALS, WHICH EXCEED THE STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS, HAVE BEEN USED IN THE CONSTRUCTION OF THE BUILDING OR ANY OF ITS PARTS.

2. GENERAL DESIGN REQUIREMENTS:

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH A METAL IDENTIFICATION TAG 3" x 1-1/2" MINIMUM SIZE, WITH THE FOLLOWING INFORMATION:

- | | |
|---------------------------|---------------------------|
| A. DSA APPLICATION NUMBER | D. DESIGN FLOOR LINE LOAD |
| B. DESIGN WIND LOAD | E. MANUFACTURER'S NAME |
| C. DESIGN ROOF LIVE LOAD | |

AND LOCATED ON THE EXTERIOR AND INTERIOR, AT LOCATIONS INDICATED.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND/OR RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATION IS REQUIRED). WHEN MODULES ARE ASSEMBLED, JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS, OR OTHER APPROVED METHODS, TO PREVENT WATER AND AIR INFILTRATION, SEALING FOR WATERPROOF CONDITIONS, AND TO PROVIDE A COMPLETE AND FINISHED APPEARANCE.


EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE TO THE UNIT. EVIDENCE OF EXCESSIVE BOWING, EXCESSIVE TORSION, OR RELATED INSTALLATION ABUSES, IN THE OPINION OF THE INSPECTOR, ARCHITECT, ENGINEER, AND/OR DSA FIELD ENGINEER, AND WHICH MAY CAUSE EXCESSIVE WORKING AT ANY JOINT OR COMPROMISE THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FULL LENGTH GUTTERS SHALL BE FURNISHED AT THE DOWNSIDE OF MODULE, WHERE DRAINAGE OCCURS. FULL LENGTH DOWNSPOUTS SHALL BE PROVIDED.

3. DIMENSIONS:

THE BUILDINGS SHALL CONSIST OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE AS INDICATED, FACE OF STUD (FOS) TO FACE OF STUD, OR FACE OF CONCRETE (FOC) TO FACE OF CONCRETE.


THE INTERIOR HEIGHT, FLOOR TO CEILING, SHALL BE AS NOTED IN THE DRAWINGS. THE MODULE SHALL BE CLEAR SPAN TYPE, UNLESS NOTED OTHERWISE.

THE ENTRANCE WALL SHALL HAVE A 5' ROOF OVERHANG. THE REAR WALL SHALL HAVE A 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED AT LOCATIONS INDICATED. 

4. FRAMING:

FRAMING AND STRUCTURAL MEMBERS SHALL BE OF THE TYPE, GRADE, AND SIZE, INDICATED IN THE STRUCTURAL DRAWINGS.

5. MOISTURE BARRIER:

ALL SURFACES EXPOSED TO WEATHER SHALL HAVE A WEATHER RESISTANT BARRIER TO PROTECT THE INTERIOR WALL AND CEILING COVERINGS. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED IN UPC STANDARD NO. 14-1 FOR KRAFT WATERPROOF FELT, GRADE D.  BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

6. Z BAR:

ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED "Z BAR" FLASHING, 3/4" x 5/8" x 3/4" x 26 GAUGE, INCLUDING THE FOLLOWING:

- JUNCTION OF SIDING AND SKIRTING
- JUNCTION OF SIDING TO SIDING

7. ROOF OVERHANG:

ALL OVERHANGS SHALL PRESENT A FINISHED APPEARANCE. ENCLOSED SOFFITS SHALL BE ENCLOSED WITH NO VISIBLE FRAMING MEMBERS. SOFFIT MATERIAL SHALL BE AS INDICATED. SOFFITS SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER ALL GAPS. ALL ENCLOSED SOFFIT AREAS SHALL BE VENTED IN ACCORDANCE THE (CBC) CALIFORNIA BUILDING CODE.

8. ELECTRICAL MATERIALS:

ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE (CEC) CALIFORNIA ELECTRICAL CODE, 1975.

ACCEPTABLE CONDUIT (UNLESS NOTED OTHERWISE):

- RIGID ELECTRICAL METALLIC TUBING (EMT), GALVANIZED THIN WALL
- FLEXIBLE (INTERIOR), GALVANIZED STEEL
- FLEXIBLE (EXTERIOR), GALVANIZED STEEL WITH FACTORY APPLIED PVC

ALL CONDUIT SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH THE CEC. FIELD BENDS SHALL BE AVOIDED WHEN POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HONEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS.

WIRING SHALL BE MINIMUM #14 COPPER TYPE THW, THW, THHN, OR THWN, AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS TO THE CEC.

A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGH THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED.

MINIMUM CONDUIT SIZE SHALL BE 1/2" (UNLESS NOTED OTHERWISE). ALL EMPTY CONDUIT SHALL HAVE A PULL STRING INSTALLED.

VARIABLE SPECIFICATIONS

IN EACH OF THE FOLLOWING SECTIONS ONE OF THE ITEMS MUST BE MARKED AS BEING APPLICABLE TO THIS BUILDING. ALL ITEMS NOTED AS STRUCTURAL MUST MEET THE MINIMUM STRUCTURAL REQUIREMENTS SET FORTH IN THE STRUCTURAL DRAWINGS AND NOTES.

1. SIDING (STRUCTURAL):

ANY EXTERIOR SIDING UTILIZED MUST MEET THE MINIMUM STRUCTURAL REQUIREMENTS FOR SIDING AS SPECIFIED IN THE GENERAL REQUIREMENTS.

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | 5/8" x 4" APA PANEL 305 MDO |
| <input type="checkbox"/> | 5/8" x 4" APA PANEL 305 1-1-11 ROUGH SAWN |
| <input checked="" type="checkbox"/> | 5/8" x 4" APA PANEL DURATEMP WITH GROOVES 8" OC |
| <input type="checkbox"/> | 5/8" x 4" APA PANEL SMOOTH MDO, NO GROOVES |
| <input type="checkbox"/> | 5/8" x 4" APA PANEL SMOOTH - NO GROOVES |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

2. TRIM (ALL TRIM IS NON STRUCTURAL):

ROOF EDGE:

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | 7/16" EMBOSSED WATERBOARD SIDING WITH MDO SURFACE |
| <input checked="" type="checkbox"/> | 2 x ROUGH SAWN DP, HF, OR SPRUCE |

CORNER TRIM:

- | | |
|-------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> | 1 x 6 DRY CEDAR OR SPRUCE, ROUGH SAWN |
| <input type="checkbox"/> | 2 x 6 ROUGH SAWN DP, HF, OR SPRUCE |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

WINDOW AND DOOR TRIM:

- | | |
|-------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> | 1 x 4 DRY CEDAR OR SPRUCE, ROUGH SAWN |
| <input type="checkbox"/> | 1 x 4 ROUGH SAWN DP, HF, OR SPRUCE |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

MDO LINE CLOSURE:

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | 5/8" x 8" APA PANEL DURATEMP - NO GROOVES |
| <input checked="" type="checkbox"/> | OTHER (SPECIFY): 5/8" x 10" APA PANEL DURATEMP - NO GROOVES |

3. SKIRTING (NON STRUCTURAL):

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | 5/8" x 4" APA PANEL 305 MDO |
| <input type="checkbox"/> | 5/8" x 4" APA PANEL 305 1-1-11 ROUGH SAWN |
| <input checked="" type="checkbox"/> | 5/8" x 4" APA PANEL DURATEMP - NO GROOVES |
| <input type="checkbox"/> | 5/8" x 4" APA PANEL SMOOTH MDO, NO GROOVES |
| <input type="checkbox"/> | 5/8" x 4" APA PANEL SMOOTH - NO GROOVES |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

4. VENTS:

VENT SPACE SHALL BE PROVIDED AT 1 SQUARE FOOT PER 150 LINEAL FEET OF BUILDING PERIMETER FOR A TOTAL OF 6.4 SQUARE FEET.

- | | |
|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | SCREEN VENT |
| <input type="checkbox"/> | 18 GAUGE EXPANDED METAL VENT |

5. DOWNSPOUTS AND GUTTERS:

PROVIDE 1 PER MODULE.

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | 26 GAUGE GALVANIZED SHEET METAL, PAINTED |
| <input checked="" type="checkbox"/> | OTHER (SPECIFY) 30 GA GALV, PAINTED |

6. ROOFING:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | 26 GAUGE GALVANIZED STANDING SEAM, CLASS B OVER 50 POUND BUILDING FELT UNDERLAYMENT |
|-------------------------------------|---|

7. DOORS AND FRAMES:

EXTERIOR DOORS:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 1-3/4" 18 GAUGE STEEL FACE SHEETS WITH INTERIOR SOUND DEADENING MATERIAL |
| <input type="checkbox"/> | OTHER (SPECIFY): WITH VISION PANEL |

INTERIOR DOORS (WHEN APPLICABLE):

- | | |
|--------------------------|--|
| <input type="checkbox"/> | 1-3/4" SOLID CORE, PREFINISHED HARDWOOD FACE, WOOD GRAIN |
| <input type="checkbox"/> | OTHER (SPECIFY): WITH VISION PANEL |

FRAMES:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | 16 GAUGE KNOCK DOWN, 3 ANCHORS PER FRAME |
| <input type="checkbox"/> | OTHER (SPECIFY): 16 GAUGE WELDED, 3 ANCHORS PER FRAME |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

8. HARDWARE:

LOCKSETS:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | CLASSROOM TYPE LEVER HANDLE (KEYED BY DISTRICT) SOLAGE D700P (RHODES) OR EQUAL |
|-------------------------------------|--|

CLOSERS:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | (NO LIST TO 8.5 POUNDS MAXIMUM OPENING PRESSURE EXTERIOR, 5.0 POUNDS INTERIOR) LCN 1460 OR EQUAL |
|-------------------------------------|--|

HINGES:

- | | |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | 1-1/2" 2 BAR PUTTS, 4-1/2" x 4-1/2" |
|-------------------------------------|-------------------------------------|

WEATHERSTRIPPING:

- | | |
|-------------------------------------|-----------------------|
| <input checked="" type="checkbox"/> | PEMCO 299PTV OR EQUAL |
|-------------------------------------|-----------------------|

DOOR BOTTOM:

- | | |
|-------------------------------------|----------------|
| <input checked="" type="checkbox"/> | PEMCO OR EQUAL |
|-------------------------------------|----------------|

THRESHOLD:

- | | |
|-------------------------------------|-----------------------------|
| <input checked="" type="checkbox"/> | PEMCO 271A OR 272A OR EQUAL |
|-------------------------------------|-----------------------------|

ROOFPLATE:

- | | |
|--------------------------|---|
| <input type="checkbox"/> | 16 GAUGE STAINLESS STEEL, 2" LESS THAN DOOR WIDTH BY 10", BEVEL EDGES |
|--------------------------|---|

DOOR BUMPER:

- | | |
|--------------------------|---|
| <input type="checkbox"/> | QUALITY #44 OR EQUAL, 307, US267 OR EQUAL |
|--------------------------|---|

9. WINDOWS:

HORIZONTAL SLIDING, 50% VENTED, CLEAR ANODIZED ALUMINUM FRAME, SIZED PER FLOOR PLAN.

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | SINGLE GLAZED, 3/16" SOLAR GRAY, 45%, TEMPERED |
| <input type="checkbox"/> | SINGLE GLAZED, 1/4" GRAYLINE, 14%, TEMPERED |
| <input checked="" type="checkbox"/> | DUAL GLAZED, 1/8" SOLAR GRAY, 45%, TEMPERED |
| <input type="checkbox"/> | DUAL GLAZED, 1/4" GRAYLINE, 14%, TEMPERED |
| <input type="checkbox"/> | HORIZONTAL BLINDS |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

OPERABLE SASH SHALL HAVE ALUMINUM FRAMED SCREEN, FINISH TO MATCH WINDOW FRAME. WINDOWS SHALL BE MOUNTED TO THE BUILDING FRAME AND BEHIND THE EXTERIOR FINISH SURFACE. WINDOW SASH MUST MEET ANSAI/MAMA GH01-BB HS-C30 SPECIFICATIONS. DUAL GLAZE WINDOWS SHALL HAVE 1/4" AIR SPACE, AND 1/8" CLEAR TEMPERED INTERIOR PANE. X = AMOUNT OF LIGHT TRANSMITTANCE.

10. FLOOR COVERING AND BASE: (MEETING CLASS I FLAMMABILITY)

FLOOR COVERING:

- | | |
|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | 24 OZ. CARPET |
| <input type="checkbox"/> | 26 OZ. CARPET |
| <input type="checkbox"/> | VCT (12 x 12) 1/8" |
| <input type="checkbox"/> | SHEET VINYL 1200 GAUGE |
| <input checked="" type="checkbox"/> | OTHER (SPECIFY) BY DISTRICT |

BASE:

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | RUBBER 4" TOPSET, 1/8" THICK, PURSUEK EQUAL. |
| <input type="checkbox"/> | RUBBER 6" TOPSET, 1/8" THICK, PURSUEK EQUAL. |
| <input checked="" type="checkbox"/> | OTHER (SPECIFY) BY DISTRICT |

CARPET SHALL BE DIRECT GLUE DOWN TYPE, OR SOLUTION DYED NYLON. SHEET VINYL AND VCT SHALL BE DIRECT GLUE DOWN TYPE. ADHESIVES SHALL BE WATER BASE TYPE.

11. INTERIOR WALLS (SMOKE DEVELOPMENT MAX 450):

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | VINYL COVERED TACKBOARD, CLASS II FLAME SPREAD RATING, 8 OZ PER SQUARE YARD, APPLIED OVER 1/2" GYPSUM WALLBOARD, DOMINAR CHATFIELD CLARK OR EQUAL. (FLAME SPREAD: 26-75) COLOR - SNOW DRIFT |
| <input type="checkbox"/> | 1/2" GYPSUM WALLBOARD, STANDARD TAPERED EDGE (FLAME SPREAD: 0-15) |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

12. CEILING (SMOKE DEVELOPMENT MAX 450):

PANELS:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | 5/8" x 2' x 4' VINYL FACED MINERAL FIBERBOARD WHITE (FLAME SPREAD: CLASS I, 0-25) |
| <input type="checkbox"/> | 2' x 4' FIBERGLASS REINFORCED PLASTIC PANELS (FRP) (FLAME SPREAD: CLASS III, 200 OR LESS) |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

GRID SYSTEM:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | AMSTRONG PRELUBE XL OR EQUAL, WHITE MAIN RUNNER (MIN HEAVY DUTY): 7501 CROSS RUNNER: XL-7928 WALL ANGLE MOLD: 7300 |
|-------------------------------------|--|


GYPSUMBOARD:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 1/2" GYPSUM BOARD, STANDARD, TAPERED EDGES (FLAME SPREAD: CLASS I, 0-25) |
|-------------------------------------|--|

13. PAINT:

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> | EXTERIOR FLAT ACRYLIC LATEX, SHERWIN WILLIAMS 856. |
| <input type="checkbox"/> | EXTERIOR FLAT ACRYLIC LATEX, SHERWIN WILLIAMS ACO. |
| <input type="checkbox"/> | EXTERIOR FLAT ACRYLIC LATEX, KELLY MOORE 1240. |
| <input checked="" type="checkbox"/> | OTHER (SPECIFY) JCI EXT. FLAT ACRYLIC LATEX |

14. MARKERBOARDS:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | 8' x 4' TR-BEST PLAS96 OR EQUAL  |
| <input type="checkbox"/> | PORCELAIN STEEL 26 GAUGE FACE SHEET LAMINATED TO 1/2" FIBERBOARD (DRY BRASE FELT MARKER BOARD) CHATFIELD-CLARK OR EQUAL |
| <input type="checkbox"/> | 8' x 4' WITH FULL LENGTH BRASS TRAY AND CORK MAP RAIL, 4 MAP HOLDERS, 1 FLAG HOLDER |
| <input type="checkbox"/> | CHALK BOARD, 12' x 4' |
| <input type="checkbox"/> | BULLETIN BOARD, 12' x 4' |
| <input type="checkbox"/> | MAGNETIC BACKING |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

15. INSULATION:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | R-11 FLOORS AND WALLS, R-19 CEILING. |
| <input type="checkbox"/> | OTHER: R-_____ FLOORS, R-_____ WALLS, R-_____ CEILING |

16. FIRE EXTINGUISHER:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | PRESSURE TYPE, 2A0BC, UL RATED WITH CHARGE DIAL AND QUICK RELEASE MOUNTING BRACKET |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

17. SOFFIT DEPTH:

- | | |
|-------------------------------------|-----------------------|
| <input checked="" type="checkbox"/> | EXPOSED SOFFIT |
| <input type="checkbox"/> | NOMINAL DEPTH SOFFIT |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

18. ROOF OVERHANG:

- | | |
|-------------------------------------|-----------------------|
| <input checked="" type="checkbox"/> | FRONT 5', REAR 2' |
| <input type="checkbox"/> | FRONT 5', REAR 5' |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

19. CASEWORK:

- | | |
|-------------------------------------|-----------------------|
| <input checked="" type="checkbox"/> | NONE |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

20. DUCTWORK:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | FLEX DUCT INSULATED FLEX DUCT WITH VAPOR BARRIER. ALL DUCTWORK WITHIN 5' OF HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS CORNING FIBERGLASS DUCT BOARD 1" THICK MANVILLE MICRO-ARE TYPE 4/5. ALL NON METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND 90-B AND SMACNA CLASS I RATING. |
| <input type="checkbox"/> | ALL GALVANIZED SHEET METAL. CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH CMC, ASHRAE, AND SMACNA. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP AND VAPOR BARRIER. PROVIDE 1" SOUND ATTENUATION AT ALL DUCTWORK WITHIN 8' OF HVAC UNIT. |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

21. ELECTRICAL: (SEE SHEET E)

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | STANDARD PLAN |
| <input type="checkbox"/> | ADDITIONAL OUTLETS (SPECIFY) _____ |
| <input type="checkbox"/> | ADDITIONAL LIGHT FIXTURES (SPECIFY) _____ |
| <input type="checkbox"/> | ADDITIONAL EXTERIOR LIGHT FIXTURES (SPECIFY) _____ |
| <input type="checkbox"/> | PLUG MOLD OUTLETS (SPECIFY) _____ |
| <input type="checkbox"/> | ELECTRIC CLOCK |
| <input type="checkbox"/> | 200 AMP PANEL |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |


22. SIGNAL SYSTEMS:

- | | |
|-------------------------------------|----------------------|
| <input type="checkbox"/> | BY OTHERS |
| <input checked="" type="checkbox"/> | OTHER (SPECIFY) NONE |

23. FIRE ALARM:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | PROVIDE CONDUIT AND JUNCTION BOXES ONLY WIRING, FIXTURES, AND HOOK-UPS BY OTHERS. |
| <input type="checkbox"/> | FIRE HORN |
| <input type="checkbox"/> | FIRE PULL STATION |
| <input type="checkbox"/> | OTHER (SPECIFY) _____ |

24. FRAMING FINISH OPTIONS: LIGHT GAUGE FRAMING FINISH (SEE SHEET SOI)

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | PAINT - RUST INHIBITIVE COATING  |
| <input checked="" type="checkbox"/> | 16 DEVEX 4020 OR EQUAL |
| <input type="checkbox"/> | HOT DIPPED GALVANIZED |

25. OTHER (SPECIFY):

- | | | |
|----------|-----------------------|-------|
| COLORS - | BUILDING FIELD | BEIGE |
| | DOORS, FRAMES, TRIM | BROWN |
| | GUTTERS, DRAIN SPENTS | |

GENERAL NOTES

ALL REAM AND JOINTS SHALL BE SEALED WITH ARCHITECTURAL GRADE CALULING OR SILICONE SEALANTS, REPAIRING THE OR PAINTED TO MATCH SPRING OR TRIM.

INSULATION MATERIALS INSTALLED WHEN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CEILING SPACES, OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450.

WHEN MATERIALS ARE INSTALLED WHEN CONCEALED SPACES, THE FLAME SPREAD AND SMOKE DEVELOPED LIMITATIONS DO NOT APPLY TO PACKING IF THE PACKING ARE INSTALLED IN SUBSEQUENT CONTACT WITH THE UNEXPOSED SURFACES OF THE CEILING, FLOOR, OR WALL FINISHES. (SECTION 707.5 CBC)

ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 9, 6, 7, 8, AND 10

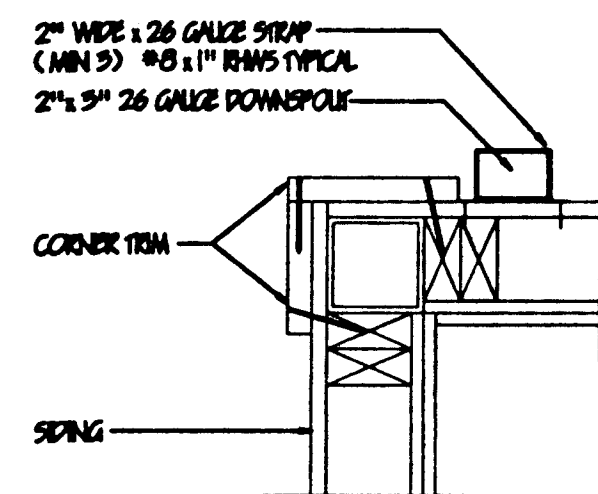
PREPARATION OF SUBFLOOR TO ACCEPT SPECIFIED FINISHES IS BY THE FLOORING SUBCONTRACTOR. ANY DEFORMITIES ENCOUNTERED, DUE TO SOUNDING CONSTRUCTION PRACTICES, SHALL BE FILLED AND Sanded BY FLOORING SUBCONTRACTOR. THE JOINT AT MODULE LINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND Sanded BY FLOORING SUBCONTRACTOR.

ABBREVIATIONS:

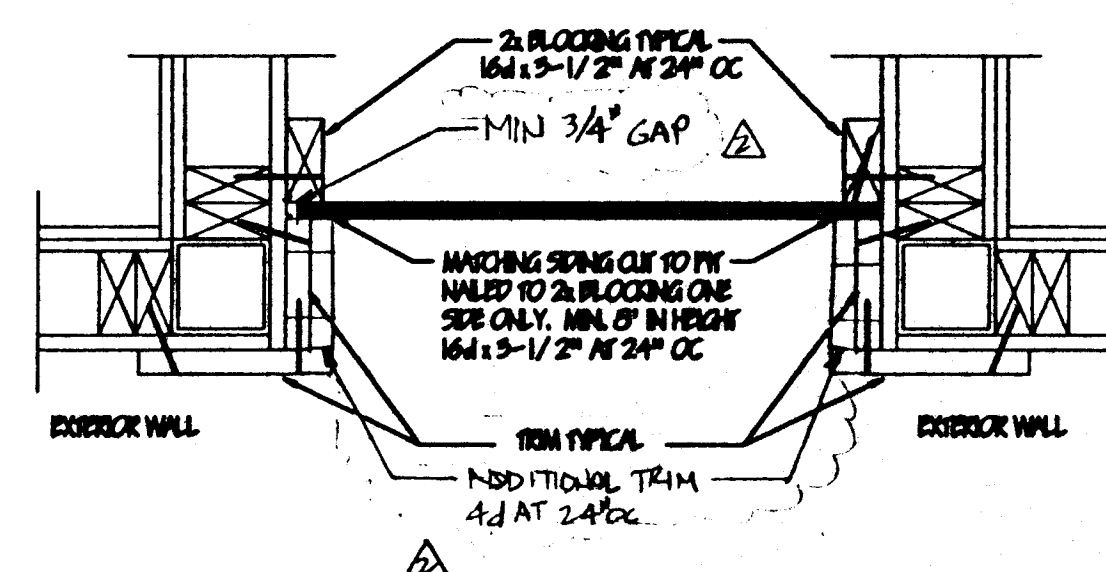
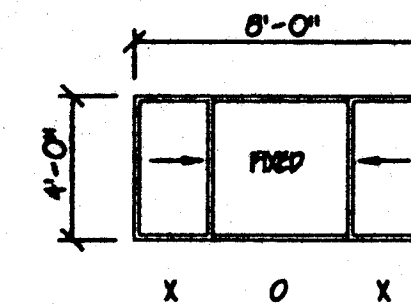
- | | |
|------------|-------------|
| HN | YELLOW NEON |
| AL OR ALUM | ALUMINUM |
| NE | NOTED |
| NO. | NUMBER |
| MIN. | MINIMUM |
| MAX. | |

FINISH SCHEDULE LEGEND (SEE SPECS SHEET A):

CARPET (F-1)	COMPLY WITH STATE OF CALIFORNIA STANDARD SPECIFICATIONS, COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, PILEY 4600, DIRECT GLUE DOWN.
BASE (B-1)	TOPSEY RUBBER BASE, IN MIN. 4" LENGTHS BLURK OR EQUAL.
VCT (F-2)	AMERISING STANDARD OR EXCELON OR EQUAL.
WALLS (W-1)	1/2" VINYL COVERED TACKBOARD, CLASS 4, OVER 1/2" Gypsum BOARD BACKING.
CEILING (C-1)	ACCOUSTICAL LAY IN GRID PAVING PANELS.

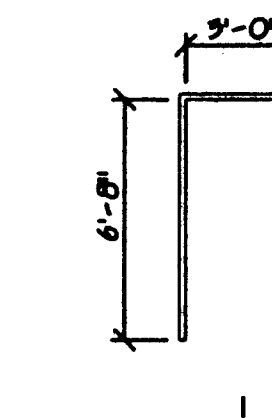
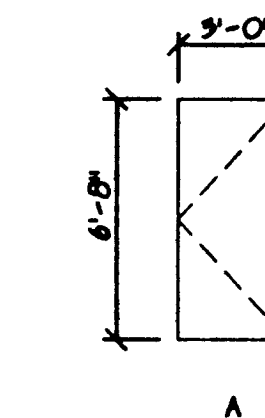


DOWNSPOUT

G-1 (SEE SPECS SHEET A)

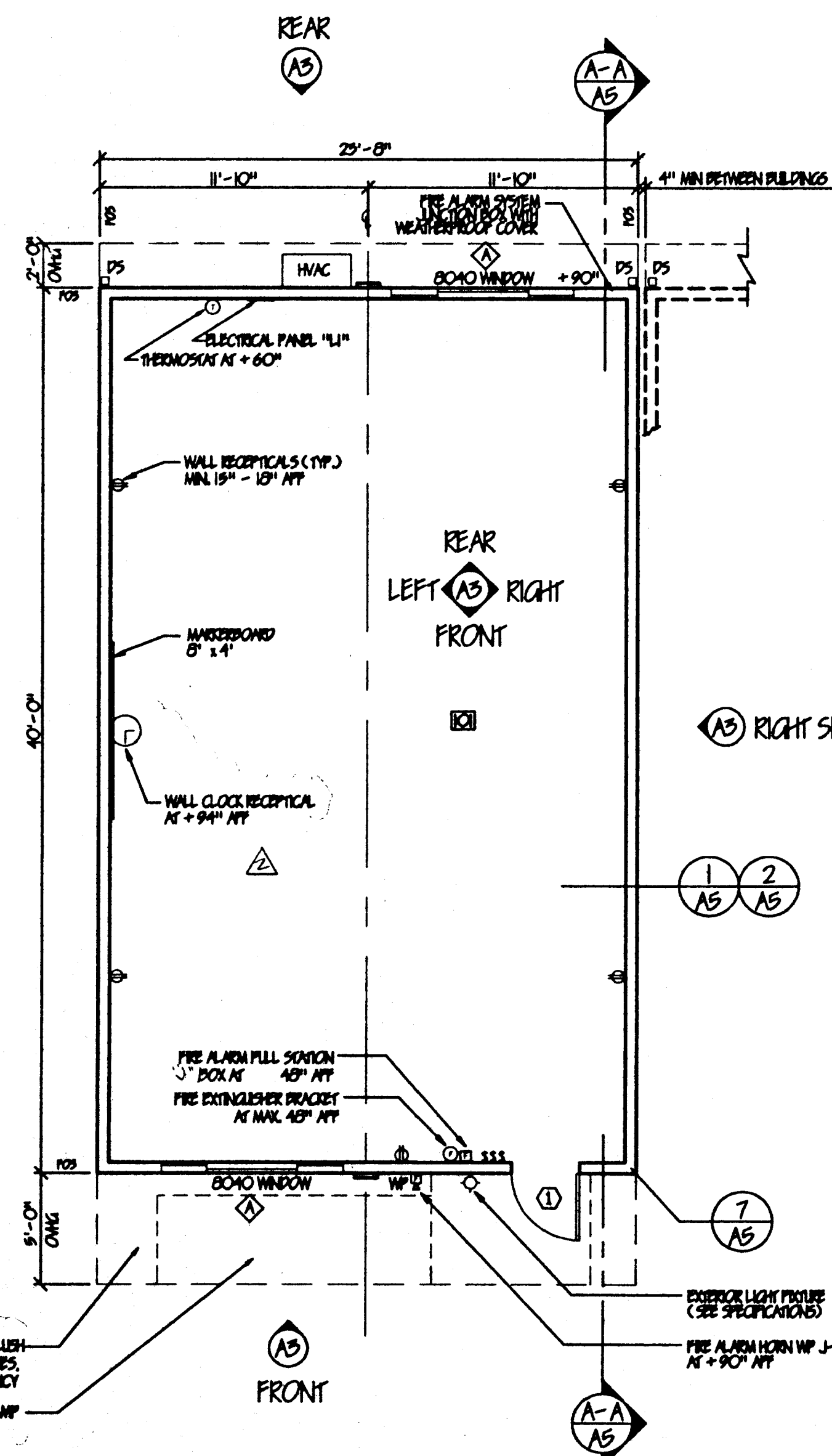
CLOSURE FOR ADJACENT UNITS

DOOR NOTES:
DOOR HANDLES FOR LOCKSETS TO BE
CENTERED AT 36" AFF

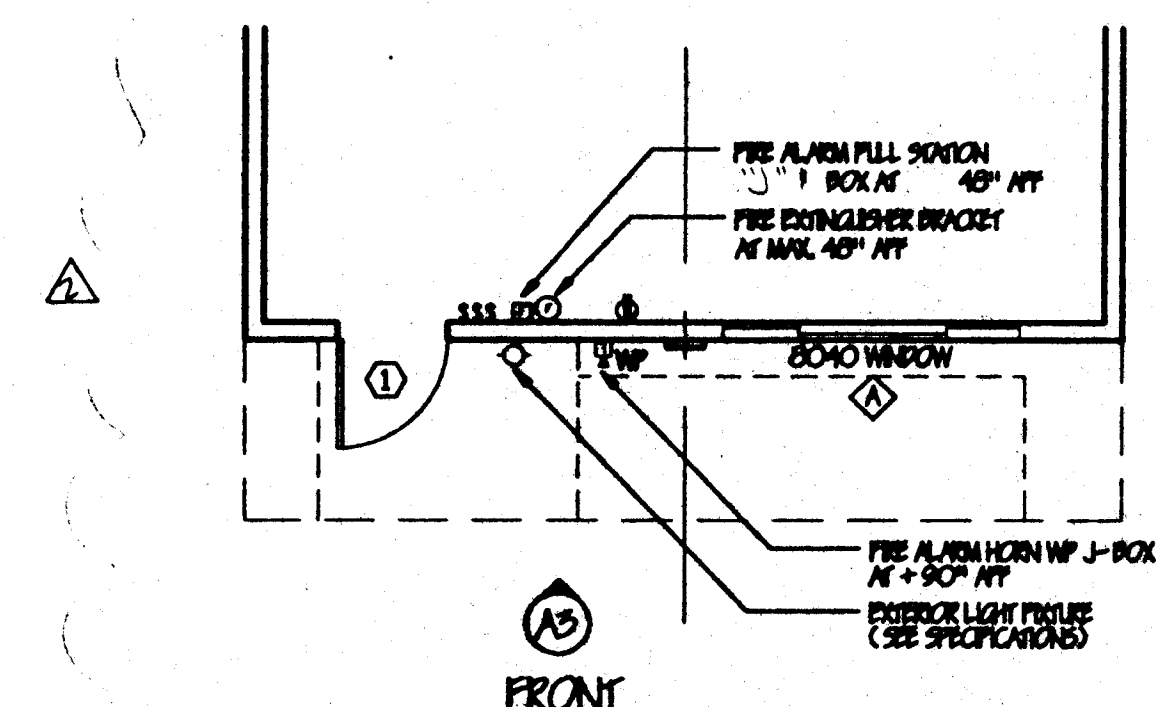


HARDWARE SCHEDULE: 1A

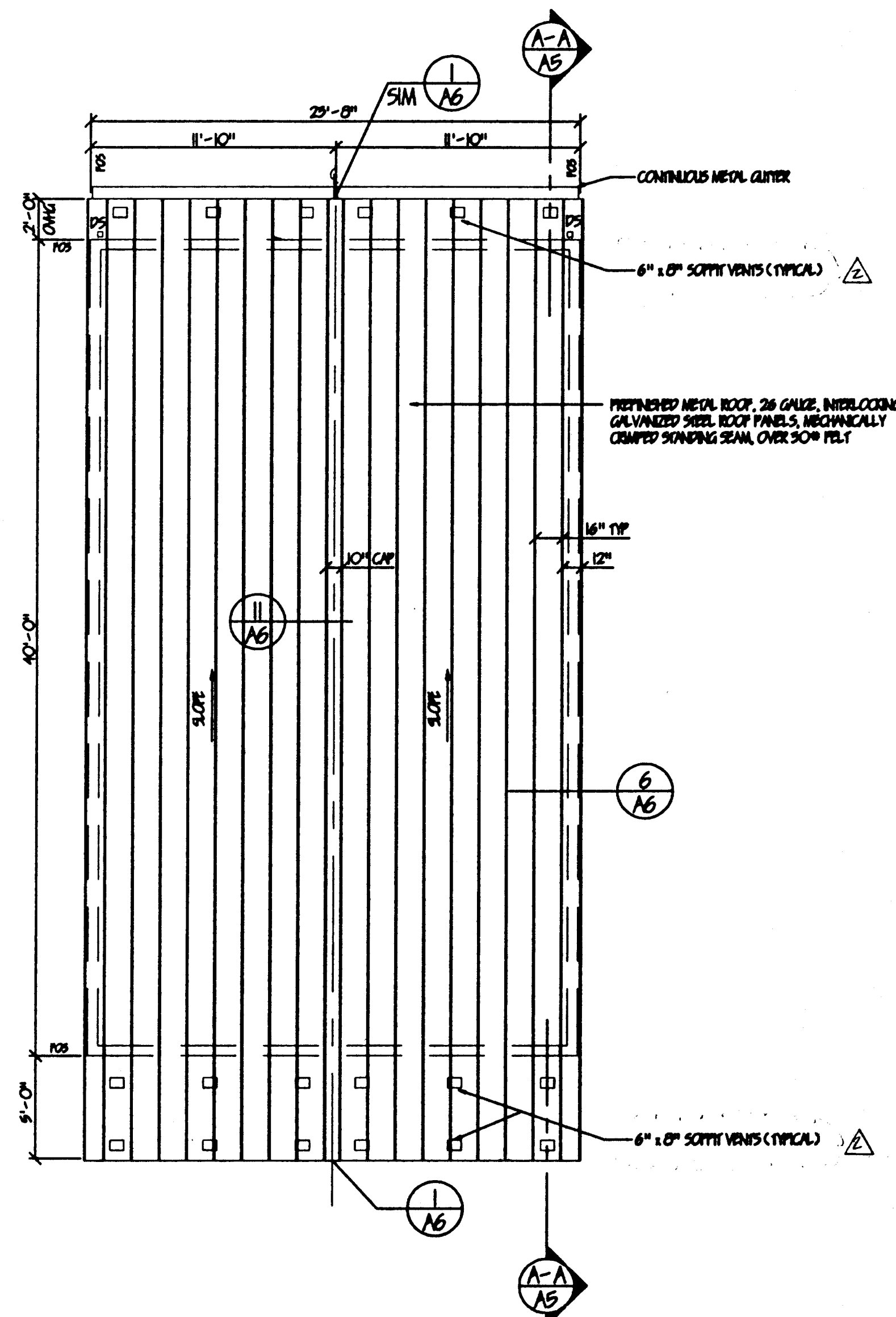
LOOKSET	SCHLAGE 1770, CLASSROOM, OR EQUIV., TO MATCH DISTRICT WITH LEVER (KEYED BY DISTRICT)
BLINDS	1-1/2" PR. HAFNER 1279 BB, 4-1/2" 2A-1/2, OR EQUIV., WITH NON REMOVABLE PINS
CLOSER	NORTON 8501 PPPP, OR EQUIV.
THRESHOLD	PEMCO 271A OR EQUIV.
DOOR BOTTOM	PEMCO 236AV OR EQUIV.
WEATHERSTRIP	PEMCO 239AV OR EQUIV.



24'x40' BUILDING FLOOR PLAN



24'x40' ALT. FRONT PLAN



24'x40' BUILDING ROOF PLAN

METAL TAG ON ALL MODULES, MECHANICALLY ATTACHED TO EXTERIOR OF BUILDING TO SHOW DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, AND ROOF AND FLOOR DESIGN LIVE LOADS.

INSULATION MATERIALS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450.

WHEN MATERIALS ARE INSTALLED WITHIN CONCEALED SPACES, THE FLAME SPREAD AND SMOKE DEVELOPED LIMITATIONS DO NOT APPLY TO FINISHES IF THE FINISHES ARE INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACES OF THE CEILING, FLOOR, OR WALL FINISHES. (SECTION 707.5 CBC)

ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3, 6, 7, 8, AND 10

PREPARATION OF SUBFLOOR TO ACCEPT SPECIFIED FINISHES IS BY THE FLOORING SUBCONTRACTOR. ANY DEFECTS ENCOUNTERED, DUE TO STANDARD CONSTRUCTION PRACTICES, SHALL BE FILLED AND SANDED BY FLOORING SUBCONTRACTOR. THE JOINT AT MOBILE LINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING SUBCONTRACTOR.

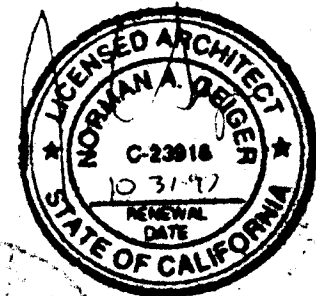
Box For:
MINI HOIST LOCATED AS REQUIRED ABOVE FULL
STATION AND / OR EXTERIOR AT + 90" AFF

	REAR	EXTERIOR ELEVATION LOCATION SHEET NUMBER
	REAR	EXTERIOR ELEVATION SHEET NUMBER LOCATION
		ROOM SYMBOL
		WINDOW SYMBOL
		DOOR SYMBOL
— — — — —		CENTER LINE
		DUPLEX RECEPTACLE
		SWITCH
		FIRE EXTINGUISHER + 45" AFF
		FULL STATION AND / OR JUNCTION BOX
		MINI HORN AND / OR JUNCTION BOX
		WALL MOUNTED LIGHT FIXTURE

ABBREVIATIONS:	ABOVE FINISH FLOOR
APP	ALUMINUM
AL OR ALUM	DOWNSPOUT
DS	FACE OF SLID
POS	HOLLOW METAL
HMI	MINIMUM
MIN.	MAXIMUM
MAX.	NUMBER
NO.	NOT RATED
NR	OVERHANG
OVHG	PAN
PR	WEATHERPROOF
WP	

[Handwritten signature]

RAFICS ARCHITECTURAL SERVICES
Q EIGER



PACASETTER INDUSTRIES, INC.
PO BOX 191 MONROVIA CA 92450 209 571 1000

P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

24x40 RELOCATABLE BUILDING

SHEET CONTENTS
FLOOR PLAN
ROOF PLAN
DOOR SCHEDULE
DOOR NOTES
WINDOW SCHEDULE
FINISH SCHEDULE
ABBREVIATIONS
GENERAL NOTES
DETAILS

DATE:	APR 28, 1997
REV. #2	JUN 20, 1997

DRAWING SCALE:	AS SHOWN
PROJ. EGY. NUMBER:	97-05

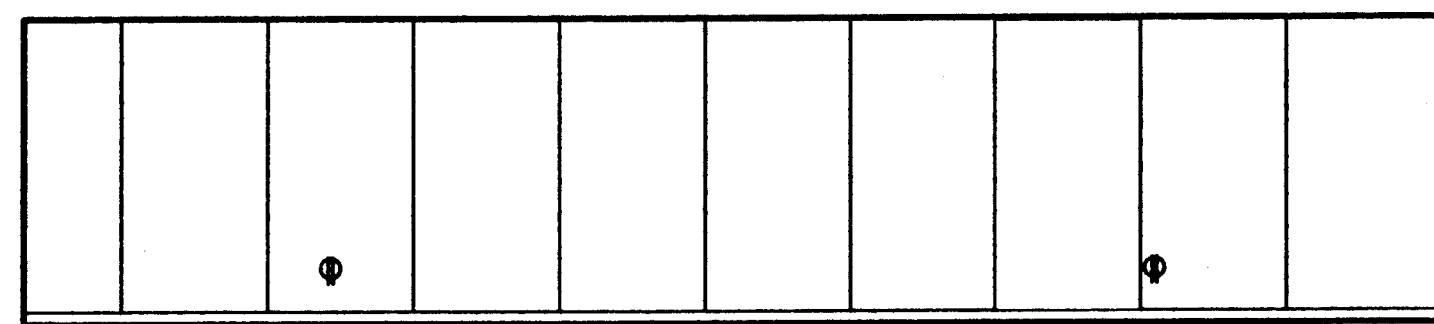
PROJECT NUMBER 97-00

DATE

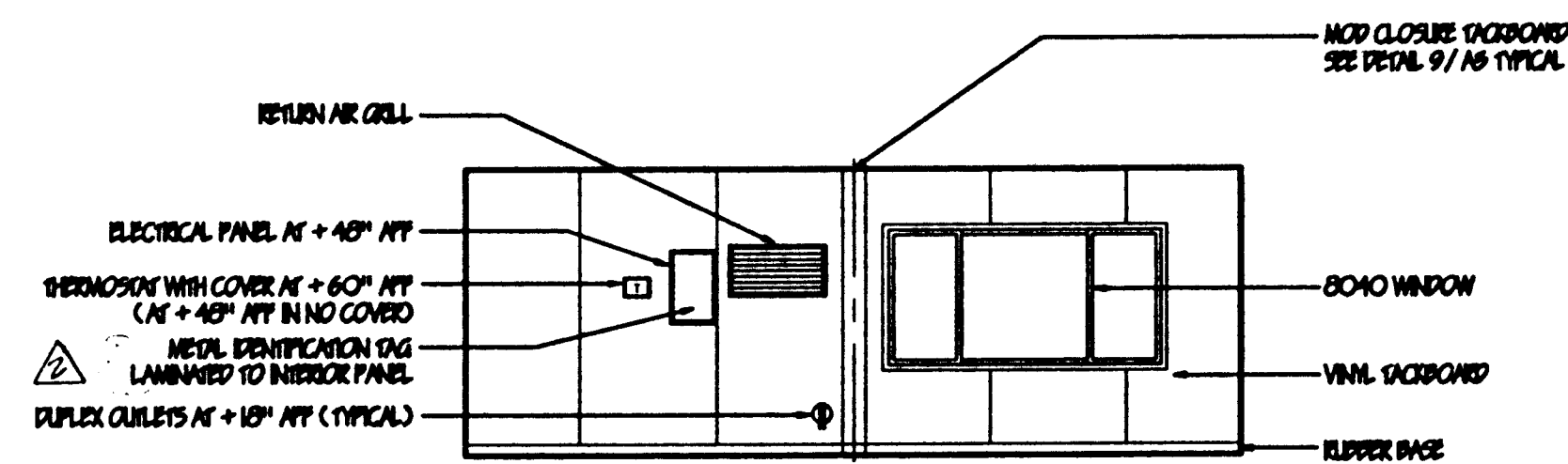
A2

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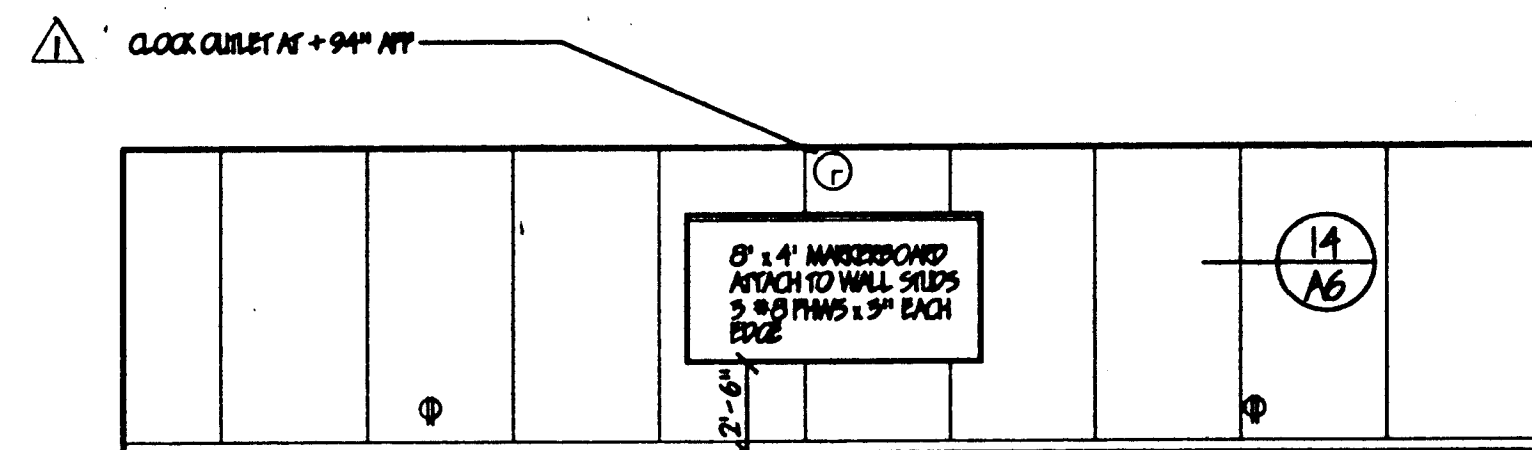
COMPUTER SCALE: 5/16"=1'-0"



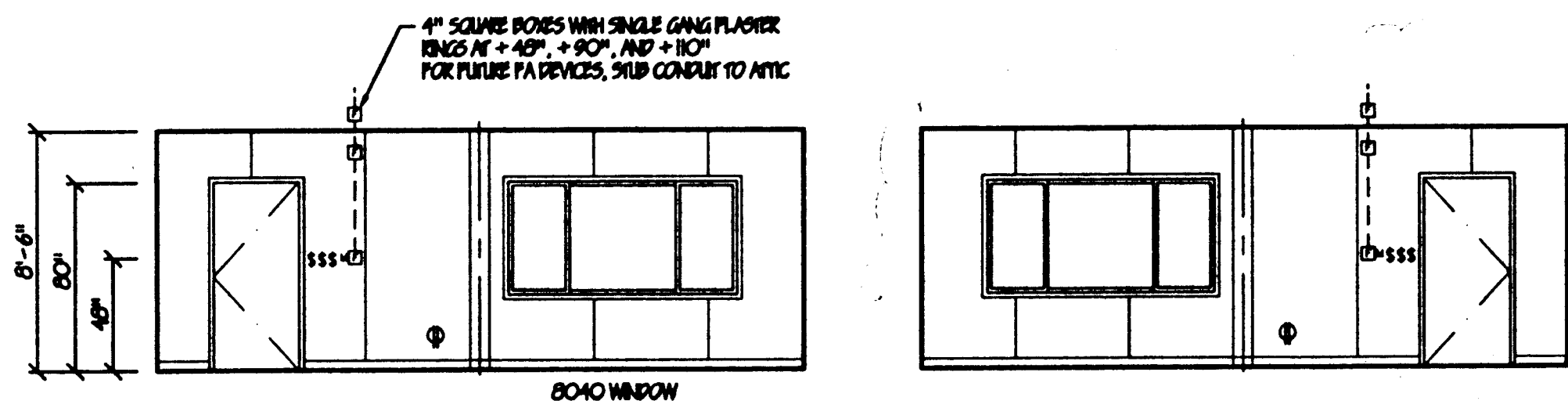
RIGHT SIDE



REAR



LEFT SIDE

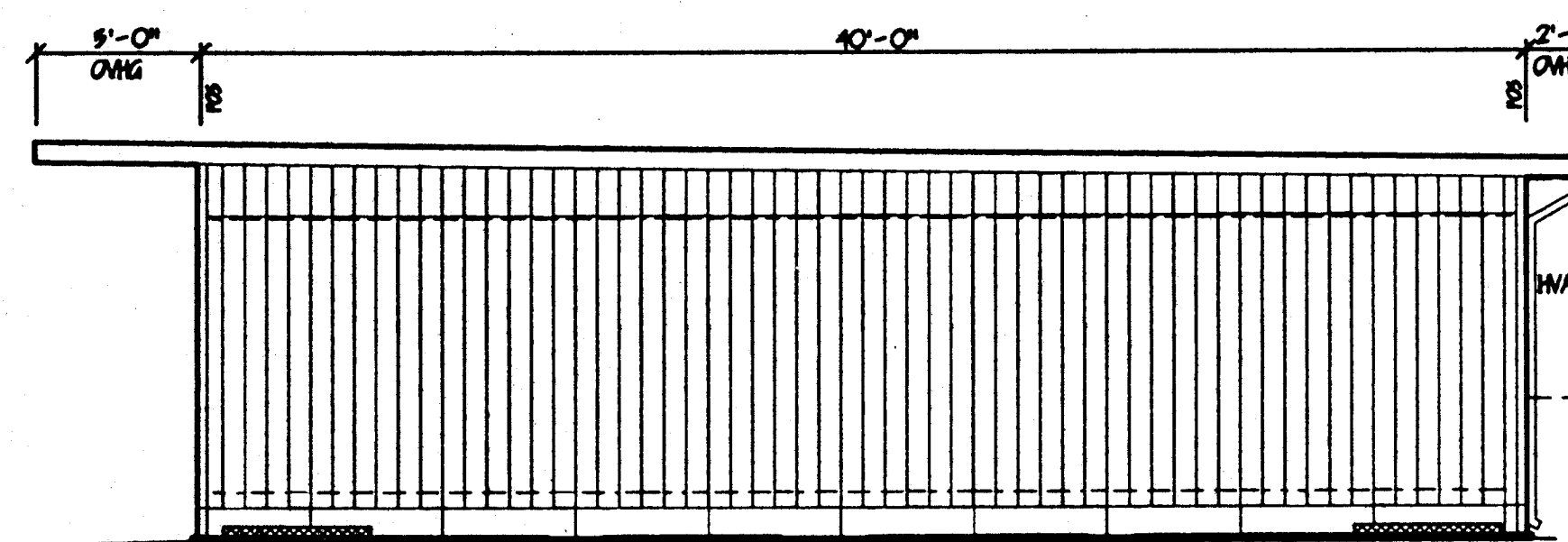


FRONT

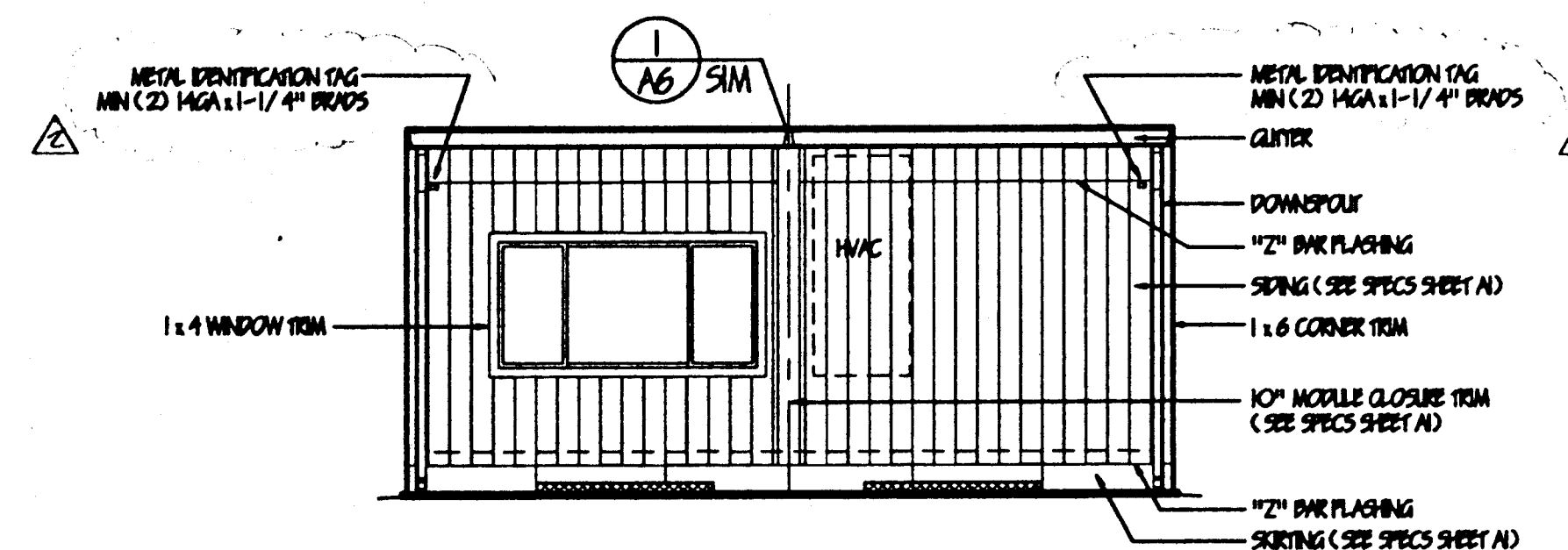
FRONT-ALT

24'x40' INTERIOR ELEVATIONS

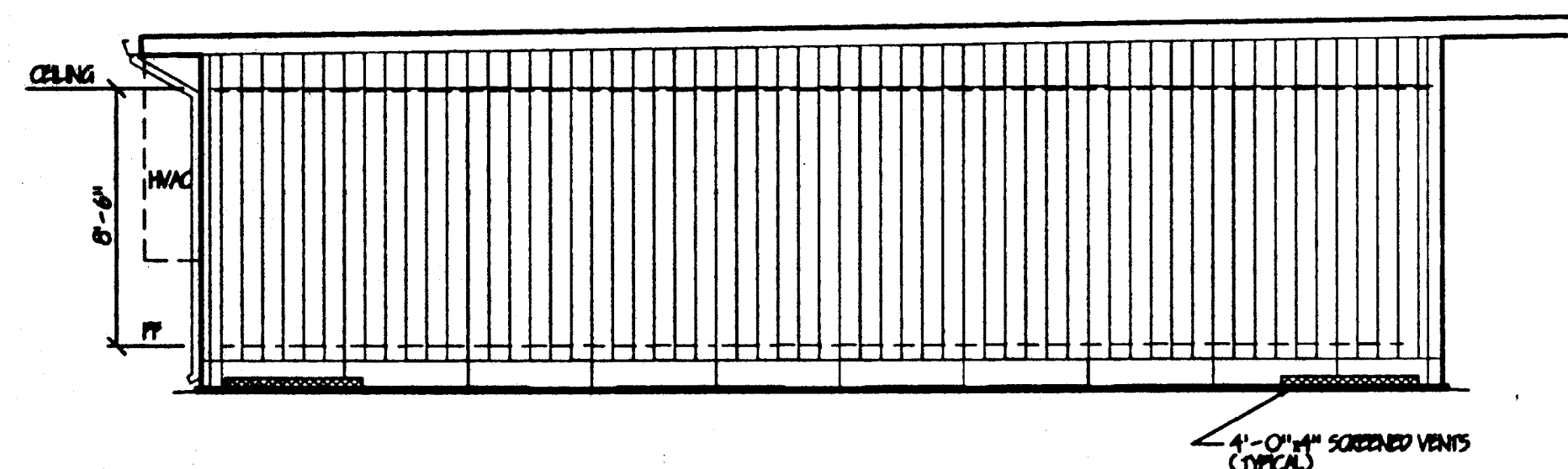
SCALE 3/8"=1'-0"



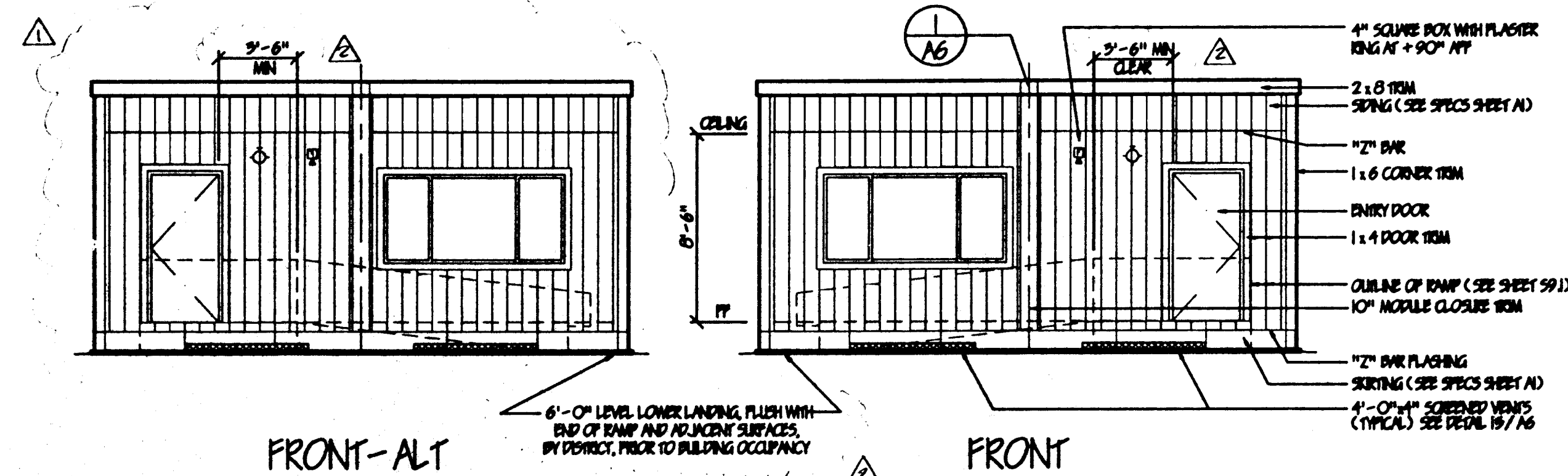
RIGHT SIDE



REAR



LEFT SIDE



FRONT-ALT

FRONT

24'x40' EXTERIOR ELEVATIONS

SCALE 3/8"=1'-0"

GENERAL NOTES

ALL FINISHES SHALL COMPLY WITH CEC CHAPTERS 5, 6, 7, 8, AND 10.
 PROVIDE FOR UNDERFLOOR VENTILATION IN ACCORDANCE WITH CEC 2917.7.1.
 1 SQUARE FOOT OF VENTILATION IS REQUIRED FOR EACH 150 SQUARE FEET OF UNDERFLOOR AREA.
 TOTAL VENTILATION REQUIRED:
 $24' \times 40' \times 0' = 992 \text{ SF} / 150 = 6.62 \text{ SF}$
 TOTAL VENTS REQUIRED:
 WOOD FND FOUNDATION - 8 AT 4'-0" x 4"
 CONCRETE FOUNDATION - 8 AT 4'-0" x 4"
 VENTS SHALL BE LOCATED TO AVOID FOUNDATION PIPS OR CONCRETE WORK. REFER TO SPECIFIC SITE PLANS FOR ACTUAL LOCATIONS.
 OPENINGS SHALL BE LOCATED AS CLOSE TO CORNERS AS PRACTICAL AND SHALL PROVIDE CROSS VENTILATION. THE REQUIRED AREA OF OPENINGS SHALL BE EQUALLY DISTRIBUTED ALONG THE LENGTH OF AT LEAST TWO OPPOSITE SIDES.
 VENTS SHALL BE CORROSION RESISTANT WIRE MESH WITH MESH OPENINGS OF 1/4 INCH.

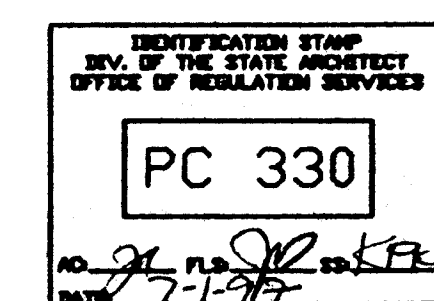
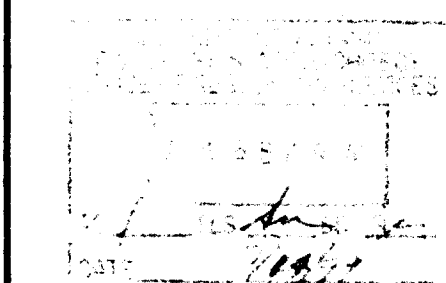
ABBREVIATIONS

HM HOLLOW METAL
 AL OR ALUM ALUMINUM
 NR NOT RATED
 NO NUMBER
 MIN MINIMUM
 MAX MAXIMUM
 AFF ABOVE FINISH FLOOR
 OVG OVERHANG
 PR PAR

LEGEND

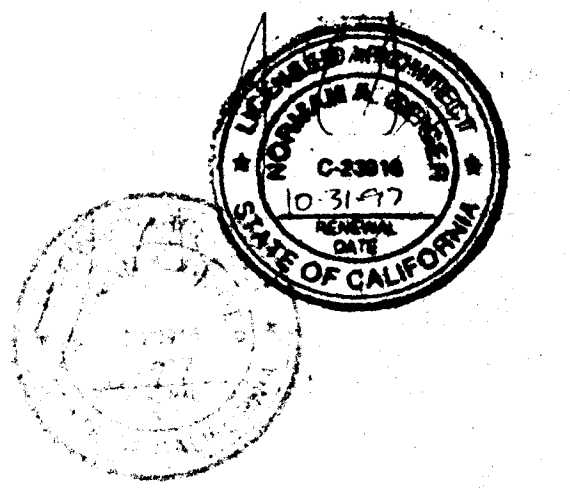
- ⊙ CLOUT OUTLET
- ⊕ DUPLEX OUTLETS
- ⊞ THERMOSTAT
- ⊞ SWITCH
- ⊞ JUNCTION BOX FOR FA SYSTEM
- ⊞ JUNCTION BOX FOR HANDING FA FULL SECTION

APPROVALS



NORMAN A. GEIGER
 AIA, CSI, CDT, ICB
 P.O. BOX 41064
 Sacramento, CA 95841
 (916) 332-2453 FAX
 (916) 332-2453 PHONE

ARCHITECTURAL
 SERVICES
 GEIGER



PACESETTER INDUSTRIES, INC.
 24x40 RELOCATABLE BUILDING
 P.O. BOX 1151, MODESTO, CA 95355 (209) 521-1600

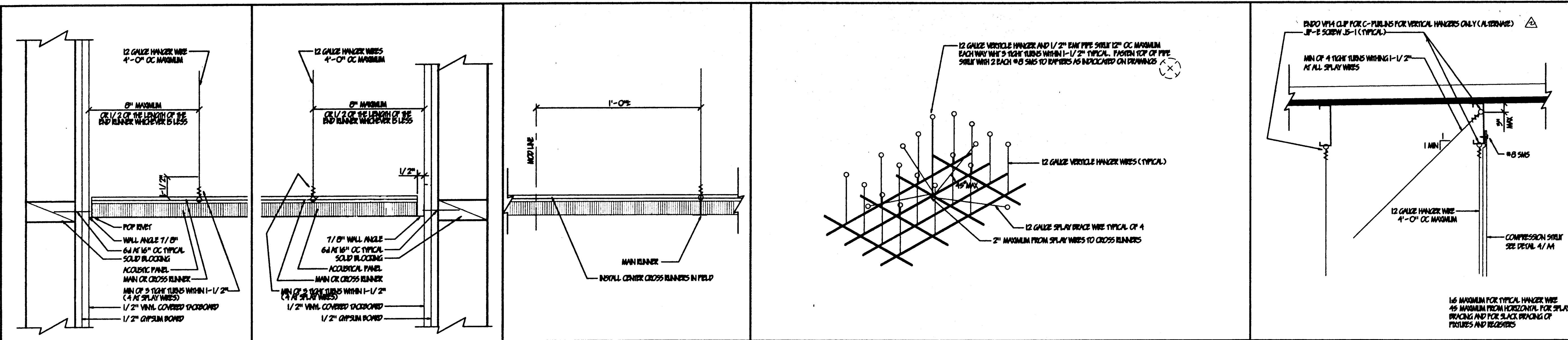
SHEET CONTENTS:
 GENERAL NOTES
 KEYNOTES
 EXTERIOR ELEVATIONS
 INTERIOR ELEVATIONS
 DETAILS

DATE: APR 23, 1997
 REV #1: MAY 15, 1997
 REV #2: JUNE 20, 1997

DRAWING SCALE: AS SHOWN
 PROJECT NUMBER: 97-05

SHEET
 A3
 4 of 24

CONTINUED SCALE 3/8"=1'-0"
 PROJECTED/PAID/RECEIVED



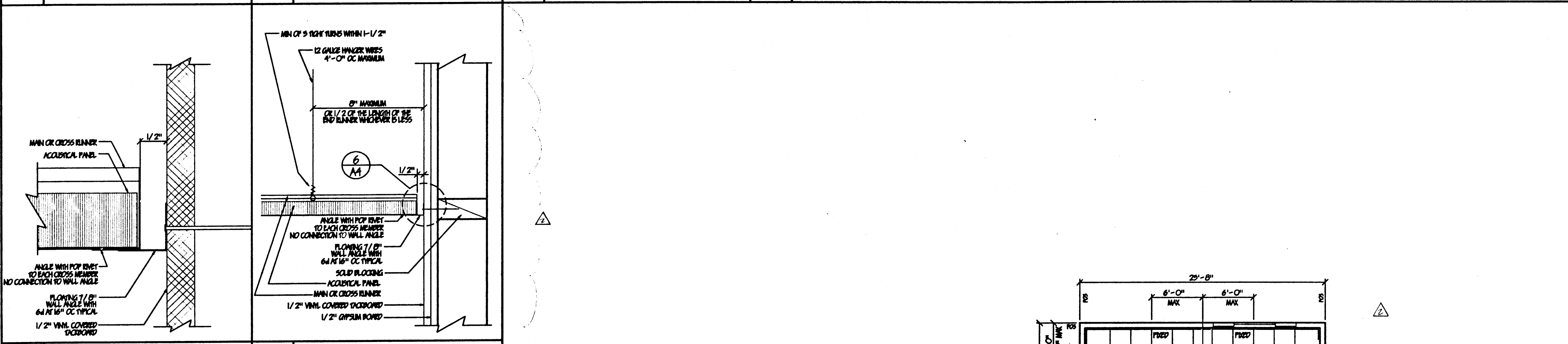
1 TYPICAL FIXED SIDE SCALE: 3/4"=1'-0"

2 TYPICAL FREE SIDE SCALE: 3/4"=1'-0"

3 GRID AT MOD LINE SCALE: 3/4"=1'-0"

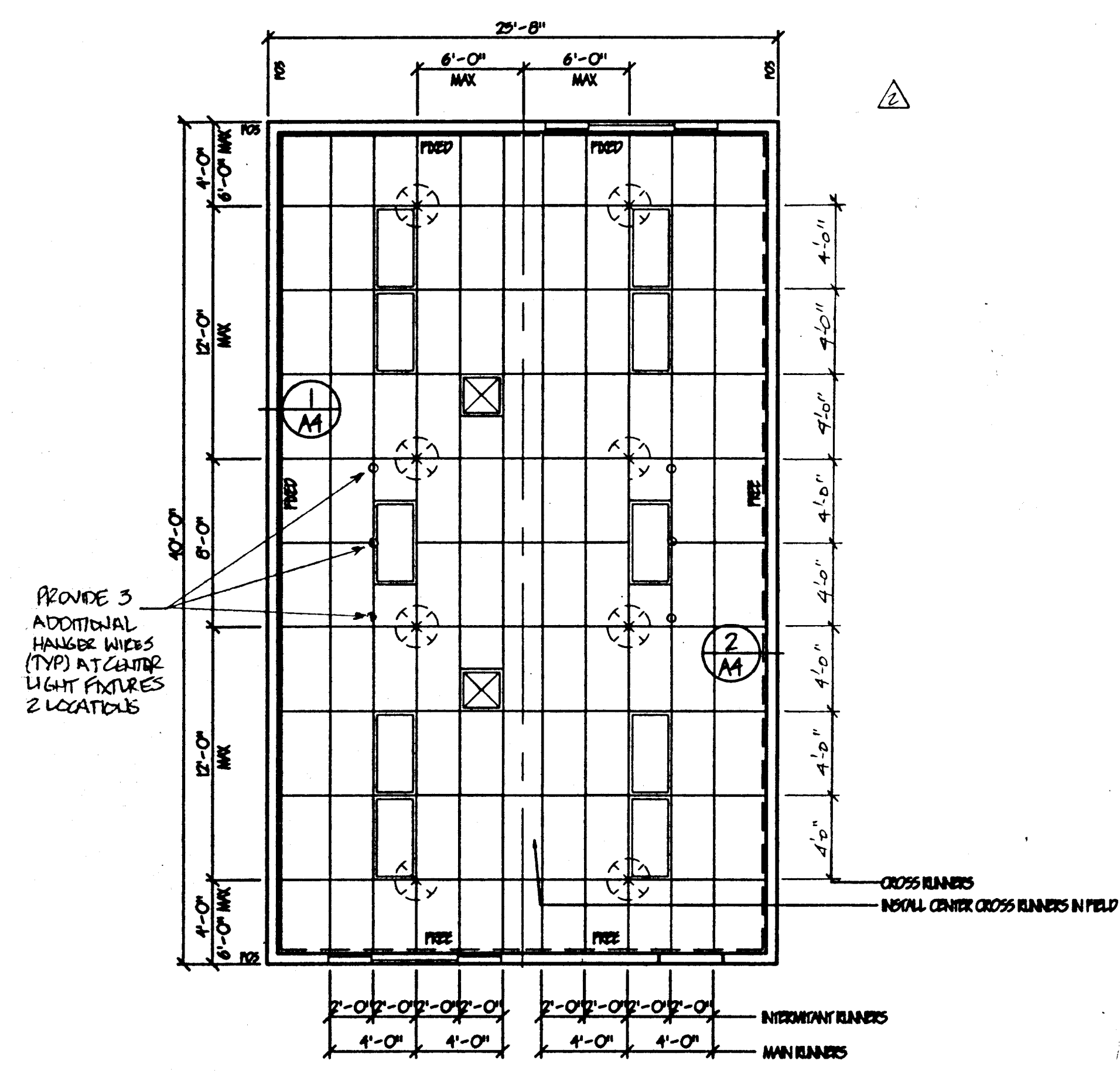
4 ATTACHMENT FOR CEILING GRID NOT TO SCALE

5 ATTACHMENT AT ROOF SCALE: 1/2"=1'-0"



6 TYPICAL FREE CONN. SCALE: 3/4"=1'-0"

7 TYPICAL FREE SIDE AT SCALE: 3/4"=1'-0"



GENERAL NOTES

MAIN RUNNERS AT 4'-0" ON CENTER WITH 12GA HANGER WIRES AT END OF EACH RUNNER.

AT END OF ROWS OF RUNNERS A 12GA HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL, OR 1/4 LENGTH OF END WIRE.

VERTICAL WIRES MORE THAN 16' OUT OF PLUMB SHALL HAVE CORNER BRACING WIRES.

PROVIDE 2-12GA BLACK WIRES TO HOLDING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE. ATTACH WIRES TO LIGHT FIXTURES WITH #8 SHEET METAL SCREW AT EACH CORNER.

RUNNERS MAY BE ATTACHED TO WALLS AT ONLY TWO ADJACENT WALLS. ALL OTHER CONNECTIONS MUST PROVIDE A CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.

CEILING AREAS SHALL HAVE 4-WAY SPLAYS AT LOCATIONS INDICATED. WIRES TO BE TIGHT, BUT NO DISTORTION OF GRID.

ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 9, 6, 7, 8, AND 10.

CEILING SHALL BE TIGHTLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.

RECEIPTS SHALL BE POSITIVELY ATTACHED WITH 4-10GA SHEET METAL SCREWS TO GRID.

CEILING PANELS, 2'-4" LBY-N IN PANELS, ASPH PLANE SPREAD CLASS I (CO-25), PLANE SPREAD SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MAIN RUNNERS, REMOVING NL 80000/7501, SH 80000/7604, OR EQUIV.

CROSS RUNNERS, REMOVING NL 80004/7601, SH 80004/7609, OR EQUIV.

WALL ANGLES, FSK 80000/8901, CRY 80000/8903, OR EQUIV.

ABBREVIATIONS:

AP	AL OR ALUM	ALUMINUM
ALT	ALUMINUM	ALUMINUM
CON	CONNECTION	CONNECTION
GA	GAUGE	GAUGE
HM	HOLLOW METAL	HOLLOW METAL
MAX	MAXIMUM	MAXIMUM
MIN	MINIMUM	MINIMUM
NO.	NUMBER	NUMBER
NE	NOT ENDED	NOT ENDED
OVHG	OVERHANG	OVERHANG
PK	PACK	PACK
SH	SHEET METAL SCREW	SHEET METAL SCREW

LEGEND

MAIN RUNNER

CROSS RUNNER

INDICATED FIXED SIZE

INDICATED FREE SIZE

SPLAY WIRE - 4 WAY

2'-4" RECESSED LIGHT FIXTURE

SUPPLY AIR DIFFUSER

APPROVALS

DATE: APR 28, 1997

REV. #2: JUN 20, 1997

PROJECT NUMBER: 97-05

SHEET: A4

24 X 40 RELOCATABLE BUILDING

PACESETTER INDUSTRIES, INC.

P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

STATE OF CALIFORNIA
Department of General Services
Division of the State Architect
Regulation Services Section

JUL 22 1997

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

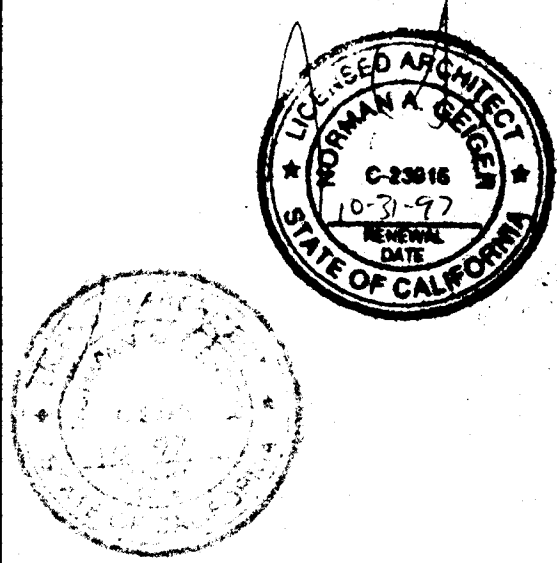
PC 330

DATE: 7-1-97

NORMAN A. GEIGER
AIA, CSI, CDT, ICBO
P.O. BOX 41064
Sacramento, CA 95841
(916) 332-2453 FAX
(916) 332-2453 PHONE

GRAPHICS ARCHITECTURAL SERVICES

GEIGER



24 X 40 RELOCATABLE BUILDING

PACESETTER INDUSTRIES, INC.

P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

APPROVALS

DATE: APR 28, 1997

REV. #2: JUN 20, 1997

PROJECT NUMBER: 97-05

SHEET: A4

24 X 40 RELOCATABLE BUILDING

PACESETTER INDUSTRIES, INC.

P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

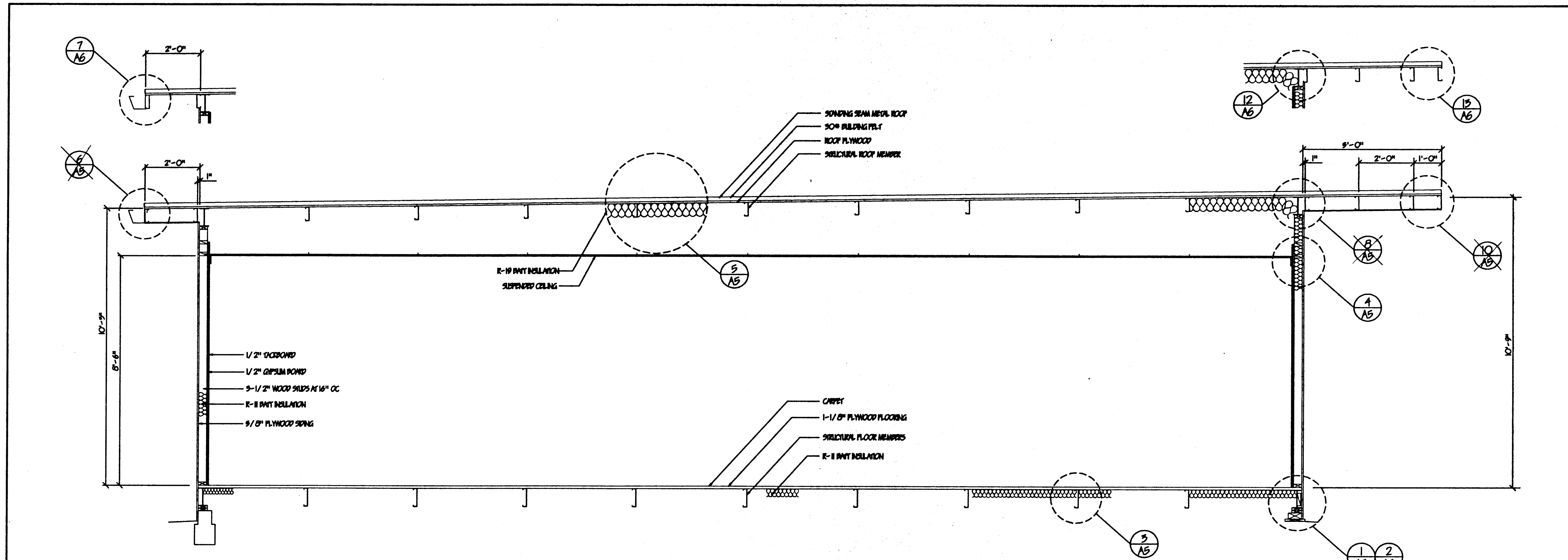
STATE OF CALIFORNIA
Department of General Services
Division of the State Architect
Regulation Services Section

JUL 22 1997

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

PC 330

DATE: 7-1-97



24'x40' CROSS SECTION A-A

GENERAL NOTES

ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 9, 6, 7, 8, AND 10

ABBREVIATIONS

HM	HOLLOW METAL
AL OR ALUM	ALUMINUM
NR	NOTED
NO.	NUMBER
MIN.	MINIMUM
MAX.	MAXIMUM
APP.	ABOVE FINISH FLOOR
OVHG.	OVERHANG
FT.	FOUNDATION
PT.	PRESSURE TREATED
STRUCT.	STRUCTURAL

LEGEND

	BATT INSULATION
	WOOD MEMBER
	FLOORING
	GYPSUM BOARD
	PLYWOOD

APPROVALS

DWG: A5
REV. #2
DATE: JUL 23, 1997
JUL 23, 1997
DRAWING SCALE: AS SHOWN
PROJECT NUMBER: 97-03
SHEET: A5
PC 330
NO. 24, FILE 02, 23-107
DATE: 5-1-97

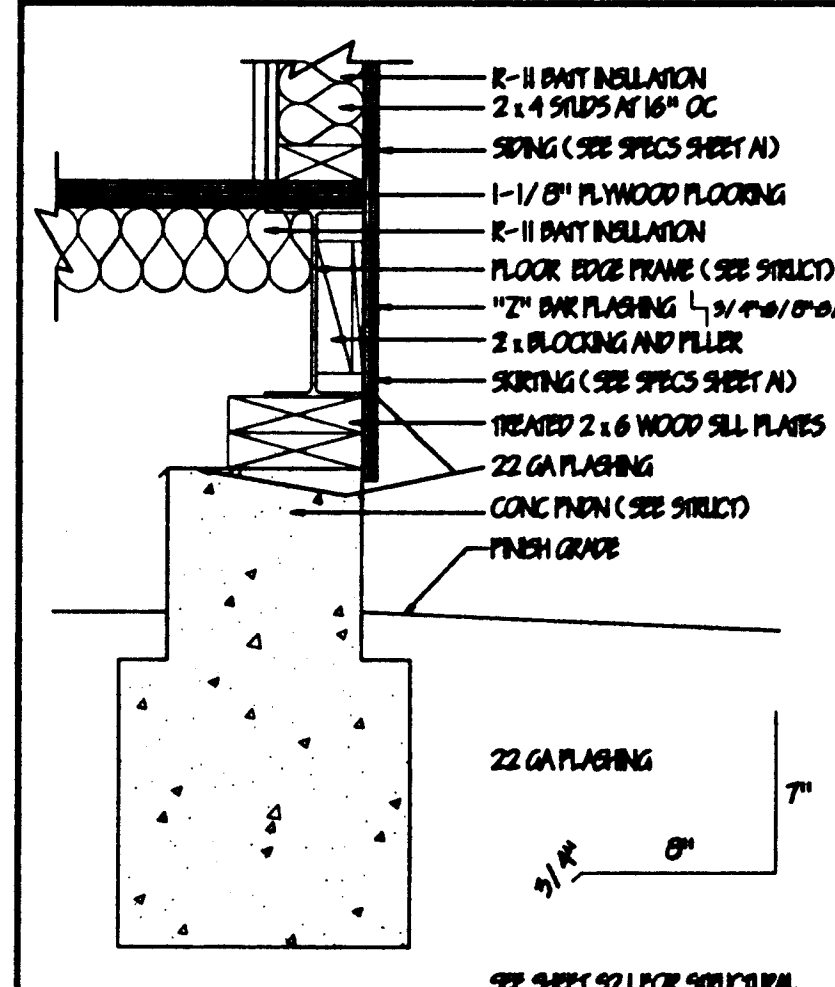
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AIA, CSI, CDT, ICBO
P.O. BOX 41064
Sacramento, CA 95841
(916) 332-2453 FAX
(916) 332-2453 PHONE

GRAPHICS ARCHITECTURAL SERVICES
GEIGER

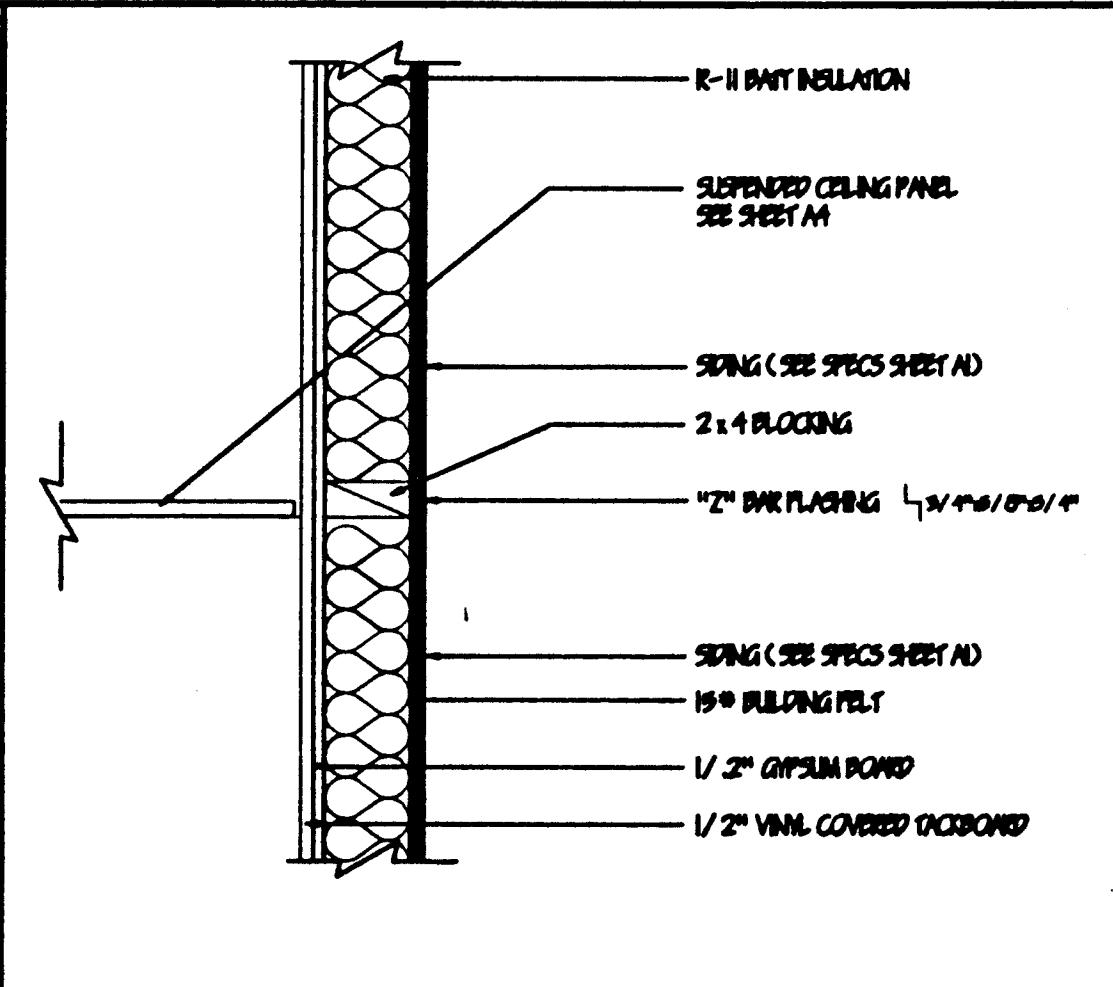


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P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

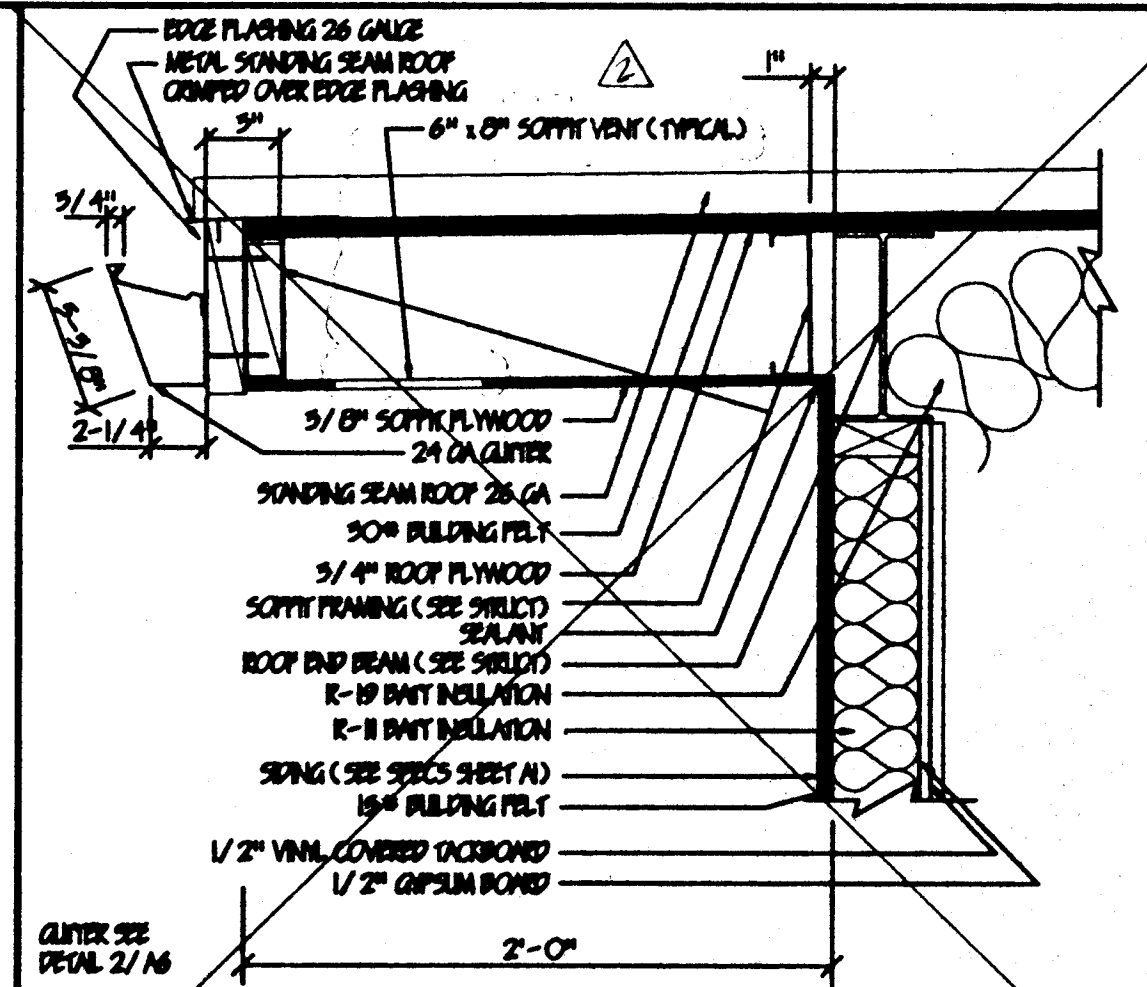
SHEET CONTENTS:
GENERAL NOTES
KEYNOTES
BUILDING SECTION
DETAILS



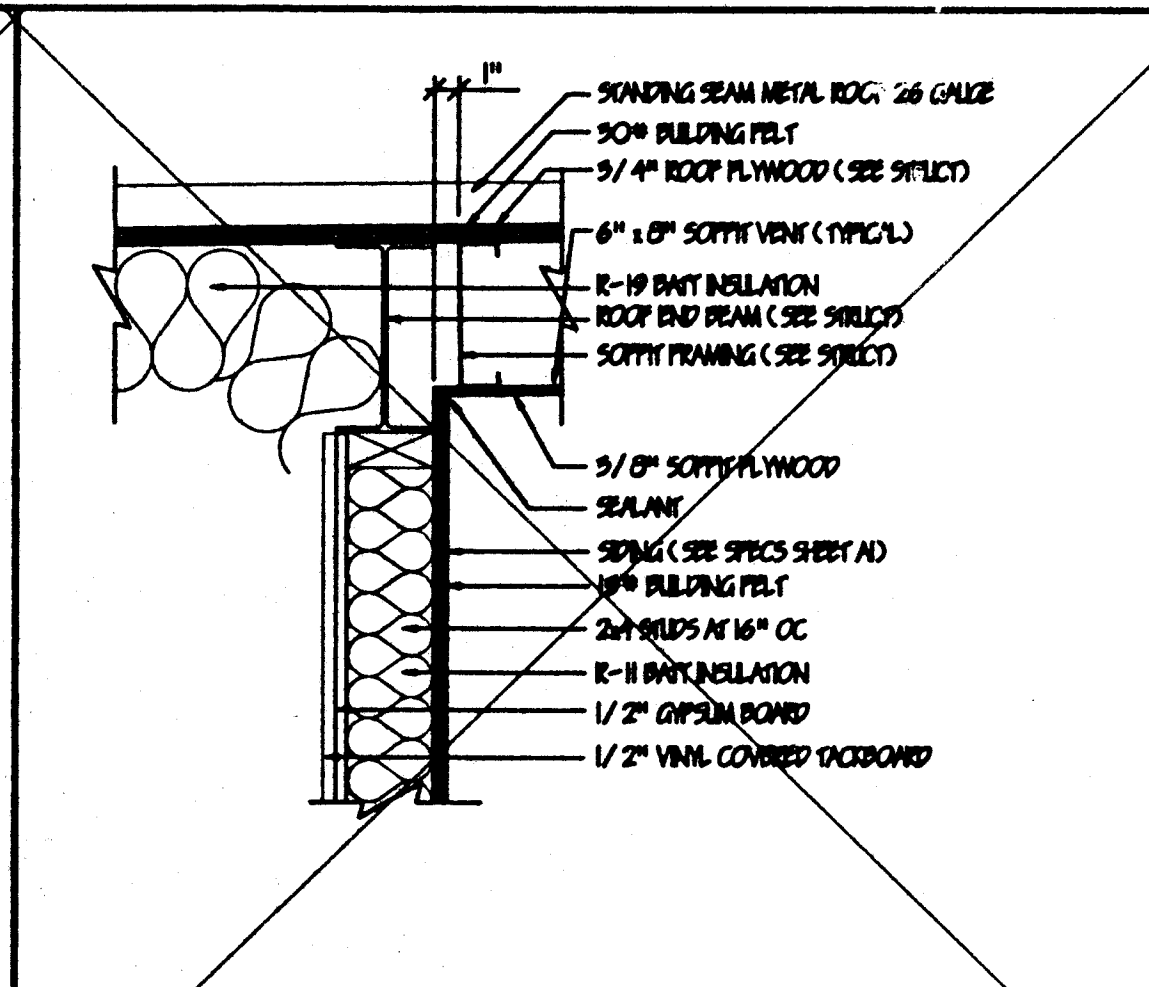
2 CONC FNDN



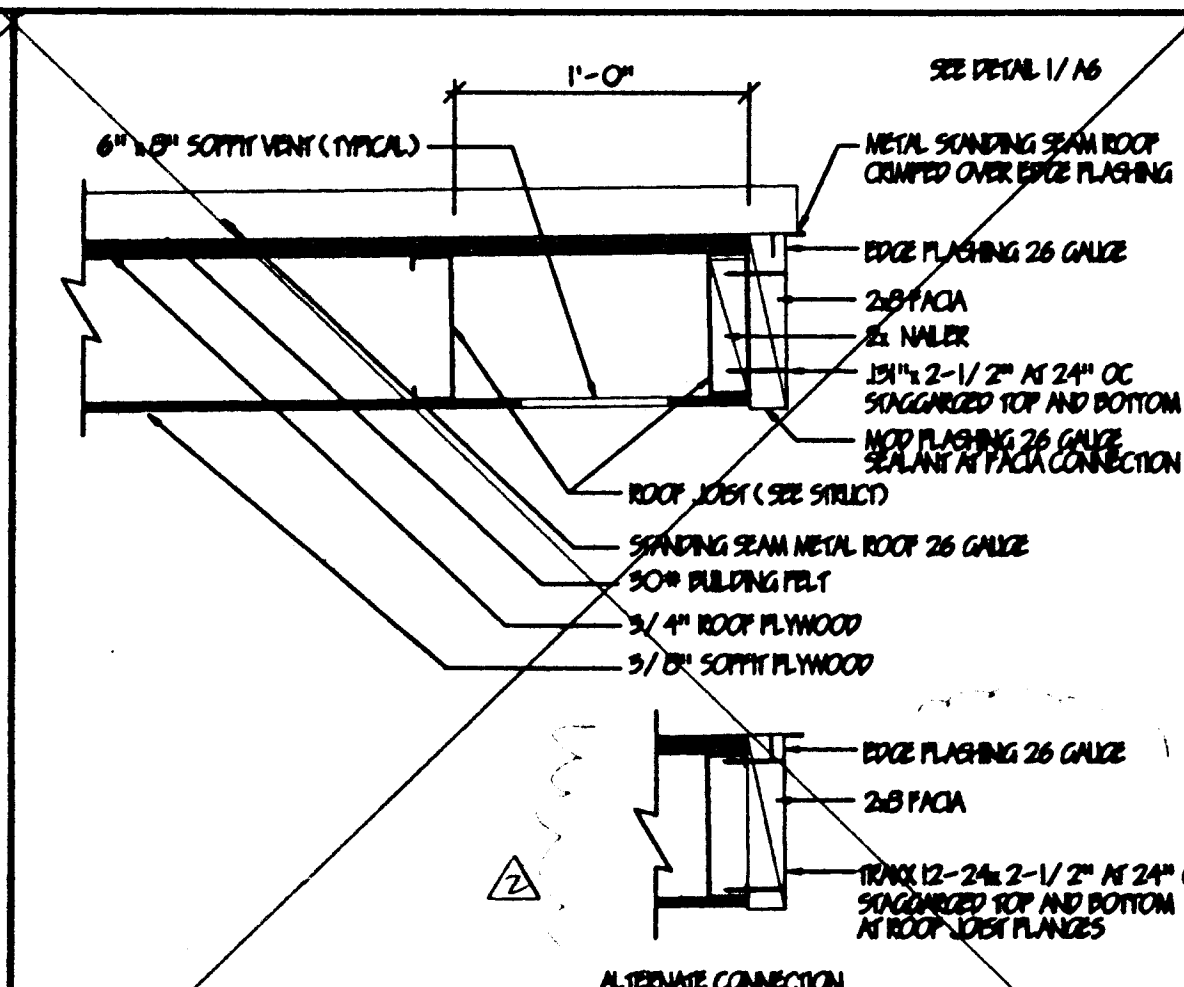
4 12" BAR FLASHING



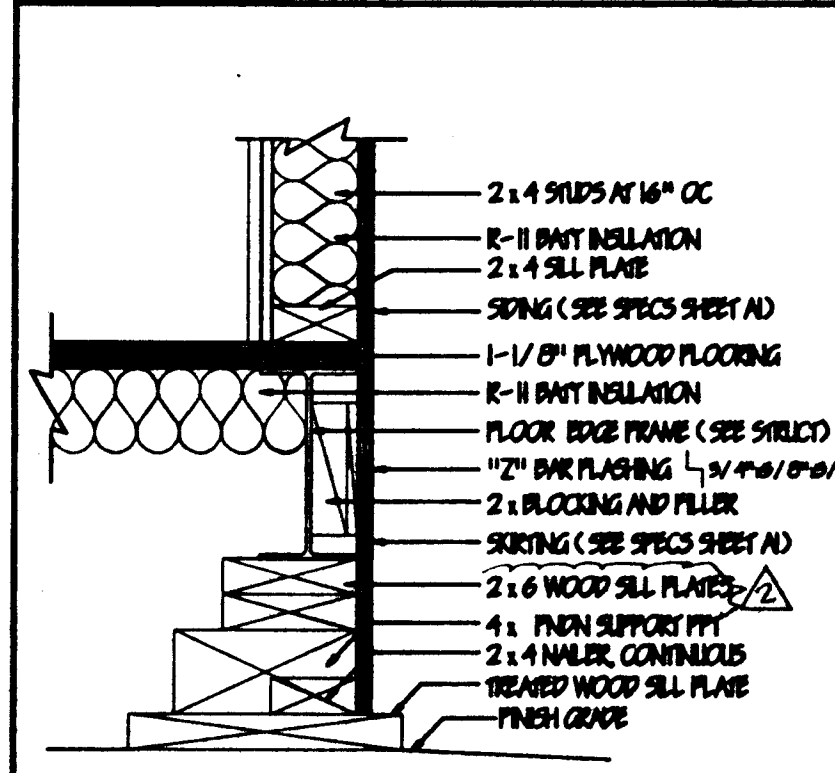
6 REAR SOFFIT OVERHANG



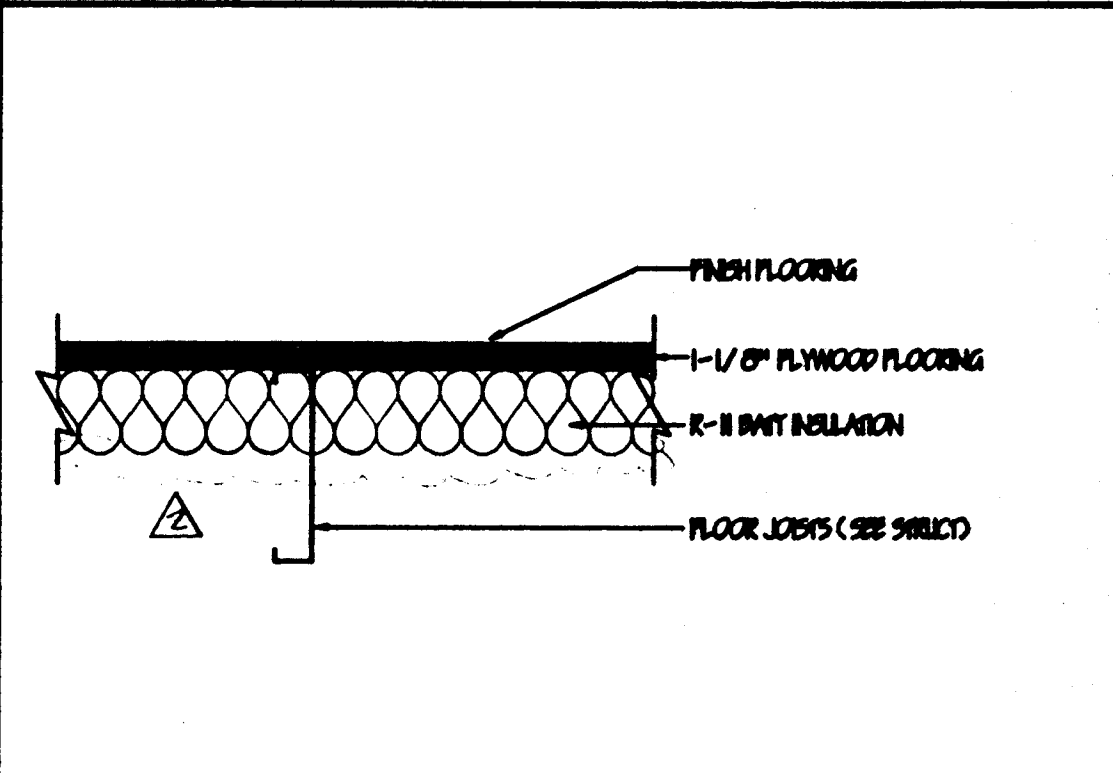
8 ENTRY SOFFIT OVERHANG



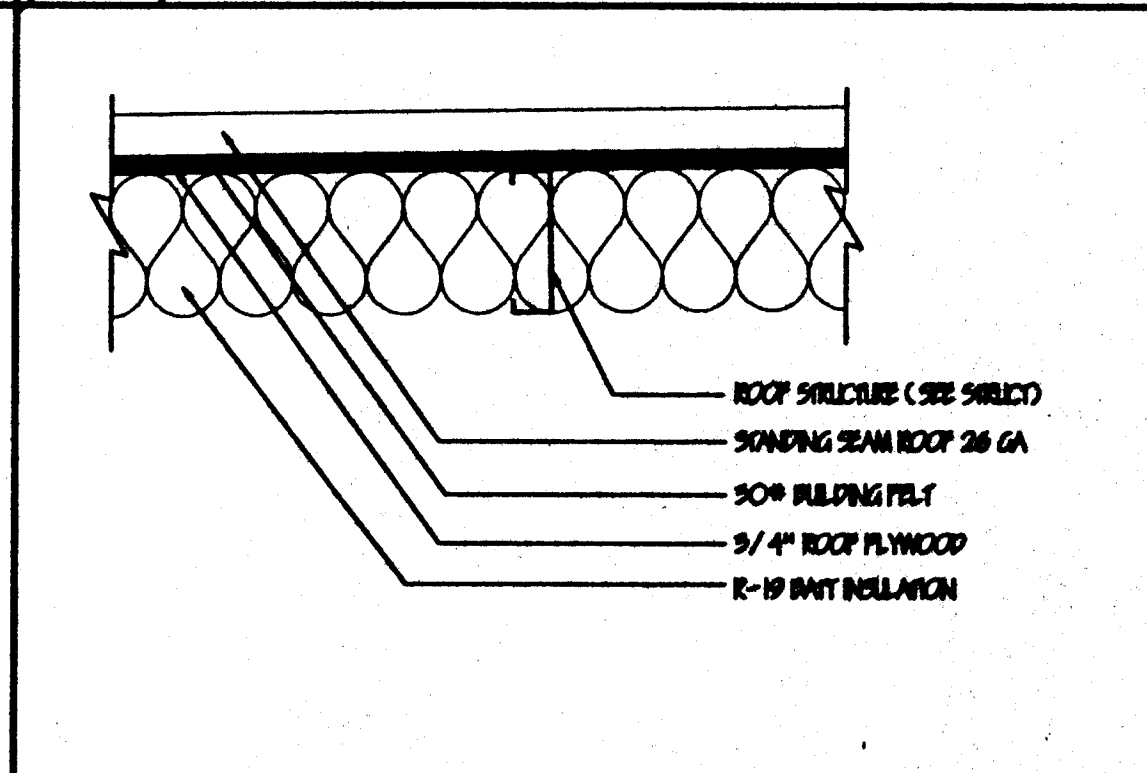
10 ENTRY SOFFIT OVERHANG



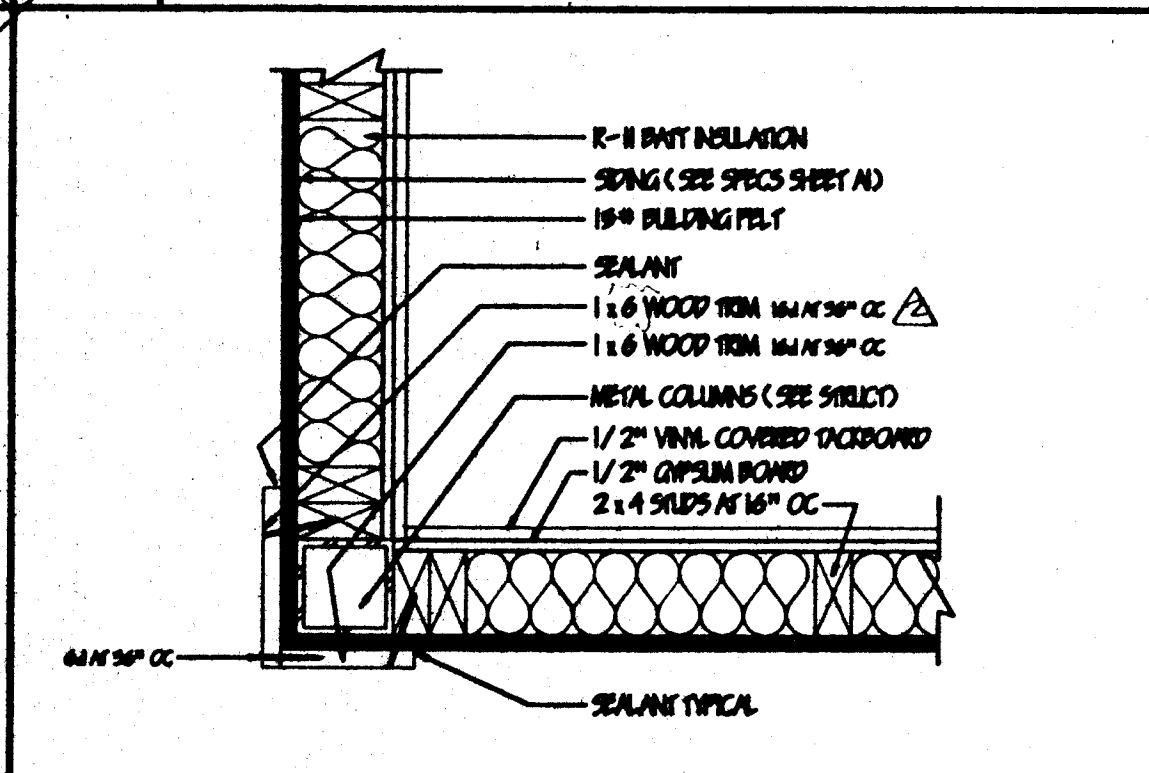
1 WOOD FNDN



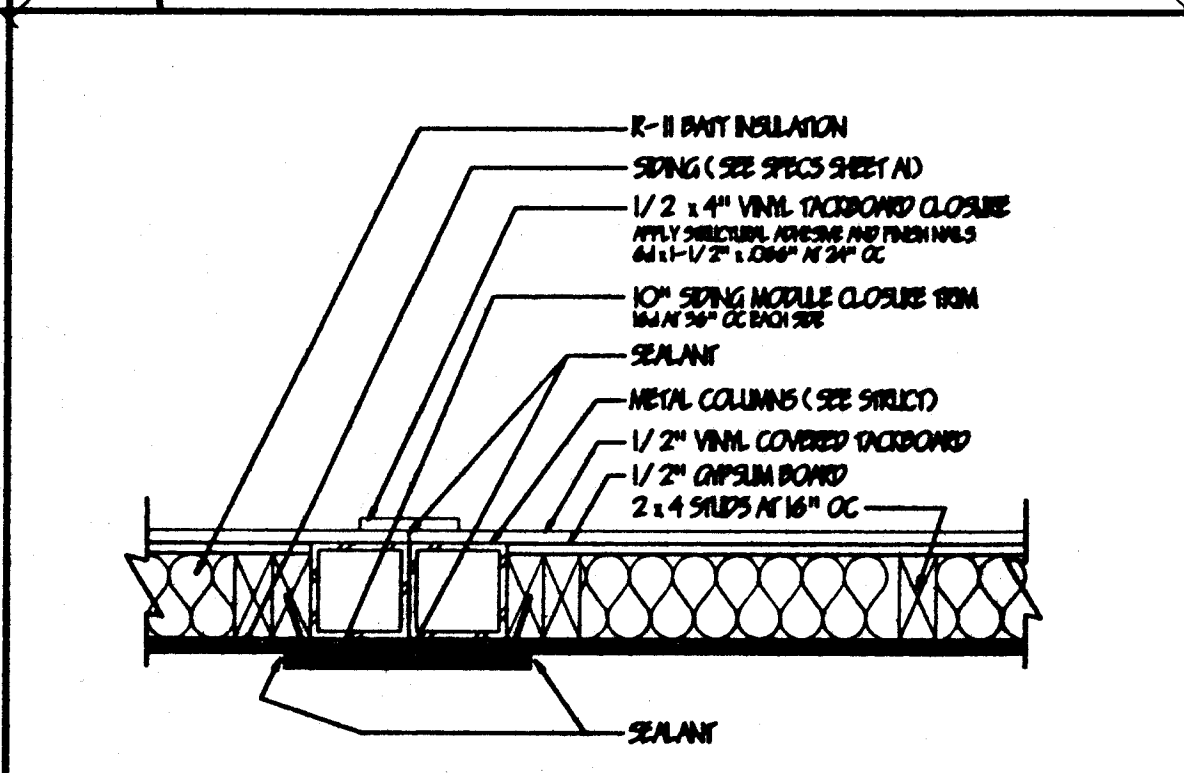
3 FLOOR



5 DETAIL



7 CORNER



9 MOD CONNECTION

<p>1 ROOF MOD TRIM SCALE: 1/2" = 1'-0"</p>	<p>6 ROOF RAKE SCALE: 3/4" = 1'-0"</p>	<p>11 MODULE LINE ROOF CAP SCALE: 3/4" = 1'-0"</p>		
<p>2 GLUTTER SCALE: 3/4" = 1'-0"</p>	<p>7 REAR OVHG SCALE: 1/2" = 1'-0"</p>	<p>15 VENT SCALE: 3/4" = 1'-0"</p>		
<p>3 DOOR HEAD SCALE: 3/4" = 1'-0"</p>	<p>8 WINDOW HEAD SCALE: 3/4" = 1'-0"</p>	<p>12 ENTRY OVHG SCALE: 1/2" = 1'-0"</p>		
<p>4 DOOR JAMB SCALE: 3/4" = 1'-0"</p>	<p>9 WINDOW JAMB SCALE: 3/4" = 1'-0"</p>	<p>13 ENTRY OVHG SCALE: 1/2" = 1'-0"</p>	<p>17 OVHG ALTERNATE SCALE: 1/2" = 1'-0"</p>	
<p>5 DOOR THRESHOLD SCALE: 3/4" = 1'-0"</p>	<p>10 WINDOW SILL SCALE: 3/4" = 1'-0"</p>	<p>14 WALL FINISH SCALE: 3/4" = 1'-0"</p>		

<p>GENERAL NOTES</p> <p>ALL FINISHES SHALL COMPLY WITH GBC CHARTS 5, 6, 7, 8, AND 10</p>			<p>LEGEND</p> <p> BATT INSULATION WOOD MEMBER FLOORING GYPSUM BOARD PLYWOOD </p>	<p>APPROVALS</p> <p> NORMAN A. GEIGER AIA, CSI, CDT, KCB P.O. BOX 41054 SACRAMENTO, CA 95841 (916) 332-2453 FAX (916) 332-2453 PHONE </p> <p> IDENTIFICATION STAMP NO. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 330 NO. 21-157 DATE 12-15-97 </p>
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<p>NORMAN A. GEIGER AIA, CSI, CDT, KCB P.O. BOX 41054 SACRAMENTO, CA 95841 (916) 332-2453 FAX (916) 332-2453 PHONE</p> <p>GRAPHICS ARCHITECTURAL SERVICES GEIGER</p>	<p>PACESETTER INDUSTRIES, INC. P.O. BOX 1131, MCKESSITO, CA 95855 (209) 521-1600</p>	<p>24x40 RELOCATABLE BUILDING</p>	<p>LEGEND</p> <p> BATT INSULATION WOOD MEMBER FLOORING GYPSUM BOARD PLYWOOD </p>	<p>APPROVALS</p> <p> NORMAN A. GEIGER AIA, CSI, CDT, KCB P.O. BOX 41054 SACRAMENTO, CA 95841 (916) 332-2453 FAX (916) 332-2453 PHONE </p> <p> IDENTIFICATION STAMP NO. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 330 NO. 21-157 DATE 12-15-97 </p>
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GENERAL NOTES:

- GENERAL NOTES:** NC_CBC95
- ALL CONSTRUCTION SHALL COMPLY WITH THE 1995 EDITION OF THE CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PART 2, [MODIFICATIONS TO THE 1994 UNIFORM BUILDING CODE (UBC), UBC STANDARDS AND UBC RECOGNIZED STANDARD SPECIFICATIONS ON STRUCTURAL STEEL ARE REQUIRED FOR THIS PROJECT.] ALSO COMPLY WITH ADMINISTRATIVE REQUIREMENTS OF CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, (LATEST REVISION).
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL DESIGN AND PROVIDE ADEQUATE BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.
 - DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS. THE CONTRACTOR ADMITS AND AGREES THAT THE CONTRACT DOCUMENTS EXHIBIT THE INTENT AND PURPOSE OF THE OWNER IN REGARD TO THE WORK, AND THAT THEY ARE NOT COMPLETE IN EVERY DETAIL AND ARE TO BE CONSIDERED AS SHOWING THE PURPOSE AND INTENT ONLY; AND THE CONTRACTOR FURTHER AGREES TO FURNISH ALL LABOR OR MATERIAL FOR ANY DETAIL THAT IS NECESSARY TO CARRY OUT SAID INTENT AND PURPOSE OF THE CONTRACT DOCUMENTS WITHOUT EXTRA CHARGE TO THE OWNER.
 - THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
 - NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY SHOWN BY THE ARCHITECT IN ADVANCE ON THESE DRAWINGS.
 - TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - WHERE THESE GENERAL NOTES AND THE TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND THE TYPICAL DETAILS SHALL GOVERN.
 - PROVIDE OPENINGS, CURBS, BLOCKING, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, OTHER DRAWINGS OR SPECIFICATIONS INCLUDED IN THE CONSTRUCTION DOCUMENTS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
 - ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISH FLOOR ELEVATION. (0'-0" ELEV. IS @ TOP OF FLOOR P.W.)
 - PROVIDE INSPECTIONS, TESTS, AND REPORTS IN ACCORDANCE WITH THE 1995 CBC AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
 - IN ADDITION TO CONTINUOUS PROJECT INSPECTION, THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED, AS A MINIMUM:
 - INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER CBC SECTION 1701A.5.5 AND 1703A. SEE ALSO REQUIREMENTS OF CBC SECTION 2212A.5.
 - INSPECTION OF INSTALLATION OF HIGH STRENGTH BOLTS, PER CBC SECTIONS 1701A.5.6 AND 2212A.6.
 - INSPECTION FOR CONCRETE AND REINFORCEMENT PLACEMENT, PER TITLE 24, PART 1, CHAPTER 4, GROUP 1 AND CBC SECTIONS 1701A.5.1, 2, & 4.
 - ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
 - DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS.
 - ALL BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM A307 TYPE A OR C (INCLUDING SUPPLEMENTARY REQUIREMENT S1) UNLESS NOTED OTHERWISE ON DRAWINGS.
 - WHEN MODULE IS RELOCATED - DO NOT REINSTALL NAILS OR SCREWS IN EXISTING HOLES.

- WOOD:** NW_CBC95
- STRUCTURAL FRAMING SHALL BE DOUGLAS FIR - LARCH GRADED IN ACCORDANCE WITH THE WESTERN LUMBER GRADING RULES OF THE WESTERN WOOD PRESERVATION ASSOCIATION OR GRADING RULES NO. 17 OF THE WESTERN LUMBER INSPECTION BUREAU. LATEST REVISIONS. WOOD MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION. DOUGLAS FIR SOUTH IS NOT ALLOWED. EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW THE GRADES INDICATED. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS:
 - ALL FRAMING EXCEPT AS NOTED ----- NO. 2 BLOCKING ----- NO. 3 (OR BETTER)
 - ALL PLYWOOD SHOWN ON THESE DRAWINGS SHALL BE C-D, U.O.N., WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-83 (UBC STANDARD 23-2). ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH A PANEL SPAN RATING IN ACCORDANCE WITH CBC TABLE NO. 23A-1-5.1. USE 4"x8" PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE THE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS OR FLOORS UNLESS PANEL IS SUPPORTED AT ALL FOUR SIDES BY FRAMING OR BLOCKING. MINIMUM PANEL DIMENSION AT WALLS SHALL BE 12". TECO RESEARCH & TESTING AND PITTSBURG TESTING LABS ARE ACCEPTABLE ALTERNATIVES TO APA FOR PLYWOOD APPROVAL.
 - WOOD INDICATED ON THE DRAWINGS TO BE PRESERVE PRESERVATIVE TREATED (PPT) SHALL BE TREATED IN ACCORDANCE WITH AWPB PROCEDURE LP-2 AND RELATED AWPA STANDARDS UNLESS OTHERWISE NOTED. FOUNDATION PADS AND OTHER WOOD WITH GROUND CONTACT SHALL BE TREATED IN ACCORDANCE WITH AWPB PROCEDURE LP-22 AND RELATED AWPA STANDARDS. ALL CUTS, HOLES AND NOTCHES SHALL BE TREATED. ALL TREATED MEMBERS SHALL BE IDENTIFIED WITH STAMP INDICATING TREATMENT PROCESS.
 - BOLTS FOR TIMBER CONNECTIONS SHALL BE FULL DIAMETER BODY AND PER THE REQUIREMENTS OF ASTM A307, GRADE A AND ANSI/ASME STANDARD B18.2.1, UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE (CBC), CHAPTER 23A, AND CBC SECTION 2336 AND SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 45,000 PSI. BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK.
 - LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1 OR CBC TABLE 23-III-UU. THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2337. HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. PROVIDE FULL DIAMETER BODY, STEEL LAG SCREWS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES 23-III-T AND 23-III-U IN THE 1995 CBC.
 - PROVIDE MALLEABLE IRON WASHERS OR STANDARD CUT PLATE WASHERS UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1, THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2339. WOOD SCREWS SHALL BE STEEL, WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES 23-III-DD AND 23-III-EE IN THE 1995 CBC AND CUT THREADS. LEAD HOLES FOR SCREWS SHALL BE 7/8 OF THE SHANK DIAMETER AT THE SHANK (UNTHREADED PORTION) AND 7/8 OF THE THREAD ROD DIAMETER FOR THE THREADED PORTION OF THE SCREW.
 - WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON THE STRUCTURAL DRAWINGS.
 - WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.

- STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON STEEL WIRE NAILS PER FEDERAL SPECIFICATION FF-N-105B, ALL REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2340. BOLTS SHALL CONFORM TO THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2340. BOLTS SHALL BE GALVANIZED OR HOT-DIP GALVANIZED. NAILS SHALL BE ELECTROGALVANIZED ELSEWHERE. PROVIDE NAILS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLE 23-III-II OR 23-III-MM IN THE 1995 CBC. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2, SECTIONS 2311A.3.3 AND 2314A.3. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
- NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP., U.O.N.)
 - 6d EQUALS 1 1/2" DIA. - PROVIDE 1 3/8" MIN. POINT PENETRATION
 - 8d EQUALS 1 3/4" DIA. - PROVIDE 1 1/2" MIN. POINT PENETRATION
 - 10d EQUALS 1 3/8" DIA. - PROVIDE 1 3/4" MIN. POINT PENETRATION
 - 16d EQUALS 1 1/2" DIA. - PROVIDE 2" MIN. POINT PENETRATION
- INFORMATION IN BOX "A" INDICATES MODEL NUMBER OF CONNECTOR HARDWARE BY THE SIMPSON COMPANY, SAN LEANDRO, CALIFORNIA. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR MAXIMUM RATED LOADS, UON. USP LUMBER CONNECTORS, BY UNITED STEEL PRODUCTS COMPANY, LIVERMORE, CALIFORNIA, IN ACCORDANCE WITH ICBO REPORT 2039, ARE ACCEPTABLE ALTERNATES TO SIMPSON CONNECTORS AS SHOWN IN TABLE 2039.
- EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH CBC SECTION 2326A, CONVENTIONAL LIGHT FRAME CONSTRUCTION PROVISIONS, AS A MINIMUM.

- CONCRETE:** NC_CBC95
- CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C31 AND C39. TESTING SHALL BE IN ACCORDANCE WITH CBC SECTION 1903A.6. THREE CYLINDERS FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN BY THE OWNER'S TESTING LABORATORY NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 50 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 2000 SQUARE FEET OF SURFACE AREA FOR SLABS AND WALLS. PROVIDE 6% ENTRAINMENT AIR BY VOLUME WITH ADMIXTURE PER ASTM C260 FOR SITES ABOVE 1500 FEET IN ELEVATION. SEE ALSO CBC SECTION 1904A.
 - ALL CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATORS.
 - ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF 1995 CBC (CCR TITLE 24, PART 2, SECTION 1903A.3, 1903A.4, 1903A.5, 1903A.6, 1903A.7, 1903A.8, 1903A.9, 1903A.10, 1903A.11, 1903A.12, 1903A.13, 1903A.14, 1903A.15, 1903A.16, 1903A.17, 1903A.18, 1903A.19, 1903A.20, 1903A.21, 1903A.22, 1903A.23, 1903A.24, 1903A.25, 1903A.26, 1903A.27, 1903A.28, 1903A.29, 1903A.30, 1903A.31, 1903A.32, 1903A.33, 1903A.34, 1903A.35, 1903A.36, 1903A.37, 1903A.38, 1903A.39, 1903A.40, 1903A.41, 1903A.42, 1903A.43, 1903A.44, 1903A.45, 1903A.46, 1903A.47, 1903A.48, 1903A.49, 1903A.50, 1903A.51, 1903A.52, 1903A.53, 1903A.54, 1903A.55, 1903A.56, 1903A.57, 1903A.58, 1903A.59, 1903A.60, 1903A.61, 1903A.62, 1903A.63, 1903A.64, 1903A.65, 1903A.66, 1903A.67, 1903A.68, 1903A.69, 1903A.70, 1903A.71, 1903A.72, 1903A.73, 1903A.74, 1903A.75, 1903A.76, 1903A.77, 1903A.78, 1903A.79, 1903A.80, 1903A.81, 1903A.82, 1903A.83, 1903A.84, 1903A.85, 1903A.86, 1903A.87, 1903A.88, 1903A.89, 1903A.90, 1903A.91, 1903A.92, 1903A.93, 1903A.94, 1903A.95, 1903A.96, 1903A.97, 1903A.98, 1903A.99, 1903A.100).
 - AGGREGATE SHALL CONFORM TO ASTM C33 AND CBC SECTION 1903A.3. GRADING OF COMBINED AGGREGATE SHALL BE PER TITLE 24, PART 2, TABLE 19A-1. (1" MAX. AGGREGATE)
 - CEMENT SHALL BE ASTM C150, TYPE I OR TYPE II. SEE ALSO REQUIREMENTS OF CBC SECTION 1903A.2.
 - REINFORCING STEEL SHALL BE DEFORMED CONFORMING TO ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SEE ALSO REQUIREMENTS OF CBC SECTION 1903A.5.
 - WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185. WELDING OF REINFORCING STEEL SHALL BE PERFORMED ONLY WHERE INDICATED ON THE DRAWINGS AND SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CBC AND THE STRUCTURAL WELDING CODE - REINFORCING STEEL, AWS D 1.4, LATEST REVISION, OF THE AMERICAN WELDING SOCIETY (UBC STANDARD 19-2). PROVIDE WELDING PROCEDURE AND MILL TEST REPORTS FOR ALL REINFORCING TO BE WELDED.
 - REINFORCING WITH C.E. ABOVE 0.75 SHALL NOT BE WELDED. ARCHITECT SHALL APPROVE WELDING PROCEDURE, WELDER QUALIFICATIONS AND MILL TEST REPORTS PRIOR TO EXECUTION OF WELDING. PROVIDE INSPECTION PER CBC CHAPTER 17A AND SECTION 1928A.12.
 - COVERAGE FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CBC AND ACI STANDARD 318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - LAP SPLICES FOR REINFORCING BARS SHALL BE 60 BAR DIAMETERS OR 18" MINIMUM UNLESS SHOWN OTHERWISE ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS OR SPLICES. STAGGER LAPS IN ADJACENT HORIZONTAL OR SLOPING REINFORCING BARS A MINIMUM OF THE REQUIRED SPLICE LENGTH. HOOKS SHALL BE PER CBC SECTION 1907A.13. UNLESS SHOWN OTHERWISE, WELDED WIRE FABRIC SHALL BE SPLICED BY LAPPING A MINIMUM OF 12 INCHES OR TWO CROSS WIRES, WHICHEVER IS GREATER.
 - CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ASTM C94 (UBC STANDARD 19-3) AND ACI STANDARD 304. ALSO COMPLY WITH THE REQUIREMENTS OF CBC SECTION 1907A.13. PROVIDE 1907A.13.
 - ALL EMBEDDED ITEMS SHALL BE PLACED ACCURATELY AND SECURED PRIOR TO BEGINNING CONCRETE PLACEMENT.
 - CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. CONSTRUCTION JOINTS SHALL COMPLY WITH CBC SECTION 1904A.4. LOCATE CONSTRUCTION JOINTS ONLY AS SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT (DSA).
 - PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY FABRICATION.
 - CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF ANY CONCRETE. CONCRETE MIX DESIGNS SHALL BE PER CBC SECTION 1905A. ALL CONCRETE MIX DESIGNS SHALL BE SIGNED BY A CIVIL ENGINEER LICENSED IN CALIFORNIA.
 - ALL GROUT SHALL BE NONMETALLIC NON-SHRINK HIGH STRENGTH GROUT BY MASTER BUILDERS OR EQUIVALENT AS APPROVED BY THE STRUCTURAL ENGINEER. UTILIZE PRODUCTS RECOMMENDED BY THE MANUFACTURER FOR EACH APPLICATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REINFORCING AND EMBEDMENT ITEMS SHALL BE FREE OF EXCESSIVE SCALE OR RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCE THAT WILL IMPAIR BOND WITH CONCRETE.
 - OWNER SHALL PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH CBC CHAPTER 17A FOR THE PLACEMENT OF CONCRETE AND CONCRETE REINFORCEMENT, FOR BOLTS INSTALLED IN CONCRETE, FOR SAMPLING CONCRETE AND FOR REINFORCING STEEL WELDING. OWNER'S INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE ARCHITECT, ENGINEER, AND DIVISION OF THE STATE ARCHITECT.
 - ADDITIONALLY, PROVIDE TESTS AND INSPECTIONS IN ACCORDANCE WITH CCR TITLE 24, PART 2, SECTION 1928A. A PLACING RECORD SHALL BE MAINTAINED FOR ALL CONCRETE PLACED IN THE STRUCTURE.
 - A. PROVIDE CONTINUOUS INSPECTION AT CONCRETE BATCH PLANT, OR: B. THE QUANTITIES OF CONCRETE MATERIALS SHALL BE CERTIFIED BY A LICENSED WEIGHMASTER AND THE QUALITY OF MATERIALS SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY. COMPLY WITH ALL REQUIREMENTS OF TITLE 24, PART 2, SECTION 1928A.5.2 AND 1928A.6.
 - ALL CONCRETE WORK SHALL BE FORMED. CASTING OF FOUNDATION CONCRETE AGAINST SIDES OF FOOTING EXCAVATIONS SHALL NOT BE ALLOWED EXCEPT AS SPECIFICALLY APPROVED BY ARCHITECT, STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
 - DRILLED IN CONCRETE EXPANSION BOLTS SHALL BE "Kwik-Bolt-II" BY HILTI, INC., PER ICBO APPROVAL NO. 4627, OR APPROVED EQUIVALENT. CONCRETE EPOXY TYPE ANCHORS SHALL BE "HIT" BY HILTI, INC., PER ICBO 5193, OR EQUIVALENT. INSTALL CONCRETE EXPANSION AND EPOXY ANCHORS PER ALL REQUIREMENTS OF THE MANUFACTURER. THE APPLICABLE ICBO APPROVALS, AND TITLE 24, PART 2, SECTION 1925A.3.5. USE EXPANSION AND EPOXY ANCHORS ONLY WHERE SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND DSA.

- STRUCTURAL STEEL:** NS_CBC95
- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.
 - TUBE MEMBERS SHALL BE ASTM A500 GRADE B. (Fy = 46,000 PSI)
 - ALL BOLTS SHALL BE ASTM A307 MACHINE BOLTS (INCLUDING SUPPLEMENTARY REQUIREMENT S1 PER ASTM) UNLESS NOTED OTHERWISE.

- WHERE HIGH STRENGTH (H.S.) BOLTS ARE CALLED FOR ON THE DRAWINGS, BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE ALLOWABLE STRESS DESIGN SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. BOLTS SHALL CONFORM TO THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. SEE CBC CHAPTER 22A, SECTION 2209A. PROVIDE SPECIAL INSPECTION FOR ALL WELDING - SEE #8 BELOW. UTILIZE E70 LOW HYDROGEN ELECTRODES, TYPICAL.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. SEE CBC CHAPTER 22A, SECTION 2209A. PROVIDE SPECIAL INSPECTION FOR ALL WELDING - SEE #8 BELOW. UTILIZE E70 LOW HYDROGEN ELECTRODES, TYPICAL.
- FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS. ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A, SECTION 2203A). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. (THERE ARE NO SELF-SUPPORTING FRAMES ON THIS PROJECT - TEMPORARY BRACING IS REQUIRED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE.)
- PRIME ALL STEEL SURFACES WITH AN APPROVED ZINC RICH PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE. CONTACT AREAS OF HIGH STRENGTH FRAMED CONNECTIONS AND SURFACES TO REMAIN IN FIELD WELD OR SPRAY APPLIED FIREPROOFING. TOUCH UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION.
- OWNER SHALL PROVIDE INSPECTIONS AND TESTS IN ACCORDANCE WITH CBC SECTION 2212A. OWNER'S INSPECTOR AND TESTING LABORATORY SHALL PROVIDE REPORTS TO THE ARCHITECT, STRUCTURAL ENGINEER, AND DIVISION OF THE STATE ARCHITECT.
- SELF-DRILLING SCREWS FOR ATTACHMENT OF WOOD OR STEEL TO STEEL SHALL BE TRAXX SCREWS BY ITW BUILDX, DARTS SCREWS BY COMPASS INTERNATIONAL, OR EQUIVALENT. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND THESE DRAWINGS.
- DRIVE PINS FOR ATTACHMENT OF WOOD TO STEEL SHALL BE BY HILTI FASTENING SYSTEMS PER ICBO REPORT NO. 2398, OR EQUIVALENT. X-DRI DRIVE PINS SHALL BE DOME HEAD W/ SMOOTH SHANK DRIVE THRU 7/8" x 5/64" WASHERS WHERE NOTED. DS DRIVE PINS SHALL BE DOME HEAD W/ SMOOTH SHANK DRIVE THRU 7/8" x 5/64" WASHERS TYPICAL. LENGTHS SHALL BE SUCH THAT FULL DIAMETER OF SHANK PENETRATES THRU STEEL. MEMBER ATTACHES TO, INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S ICBO APPROVAL.
- ATTACHMENT OF WOOD TO STEEL WHERE SHOWN ON DRAWINGS SHALL BE ET&F FASTENING SYSTEMS PER ICBO REPORT NO. 4144, OR EQUIVALENT. INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S ICBO APPROVAL. LENGTHS SHALL BE SUCH THAT PINS EXTEND THROUGH STEEL MEMBER 1/4" MINIMUM. (190° PINS CAN BE USED AS AN ALTERNATE TO 144° PINS).
- SDS PINS BY PRUTEK, INC. ARE AN ACCEPTABLE ALTERNATE TO HILTI OR ET & F PINS. PROVIDE EPOXY OR GREATER DIAMETER AND INSTALLATION PER MANUFACTURER'S INSTRUCTIONS.

- FOUNDATIONS: (CONCRETE)**
- FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
 - FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER CBC, TABLE NO. 18A-1-A OR IR 23-6.
 - THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE TYPICAL FOOTING STEP DETAILS ON THESE DRAWINGS.
 - CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
 - PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
 - FOUNDATIONS ARE DESIGNED AS FIXED FOUNDATIONS IN ACCORDANCE WITH IR 23-6 OR CBC CHAPTER 18A.
 - ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 2" MINIMUM.

- PAD FOUNDATIONS: (RESTRAINED)**
- FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
 - FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER IR 23-6. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE FOOTING SHIM DETAILS ON THESE DRAWINGS.
 - CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
 - PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING. VERIFY THAT NO PIPES, UTILITIES, OR OTHER SUCH ITEMS OCCUR BELOW FOOTINGS.
 - FOUNDATIONS ARE DESIGNED AS "RESTRAINED FOUNDATION", IN ACCORDANCE WITH IR 23-6, TEMPORARY FOUNDATIONS.
 - ANCHOR FOOTINGS AT BUILDING PERIMETER WITH 1" GALVANIZED STANDARD STEEL PIPES DRIVEN FLUSH WITH TOP OF WOOD FOUNDATION PADS AND PENETRATING SOIL 12" MINIMUM. AN AVERAGE SPACING OF 10'-0" O.C. AT SIDE WALLS AND AT EACH CORNER OF EACH MODULE AT ENDWALLS.
 - ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 2" MINIMUM.
 - FINISH GRADES SHALL BE WITHIN MAXIMUM 18" BELOW BOTTOM OF FLOOR JOISTS, WITHOUT EXCEPTION.

- LIGHT GAGE - COLD FORMED STEEL FRAMING** NL_CBC95
- ALL LIGHT GAGE FRAMING SHALL BE PER THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE (CBC) AND THE SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS OF THE AMERICAN IRON AND STEEL INSTITUTE (1986 WITH 1989 ADDENDUM) (1995 CBC SECTION 2204A.1).
 - ALL LIGHT GAGE FRAMING SHALL BE PAINTED OR HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM C955 (PROTECTIVE COATING G60 FOR GALVANIZED ALTERNATE).
 - ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CBC AND THE STRUCTURAL WELDING CODE - SHEET STEEL OF THE AMERICAN WELDING SOCIETY, AWS D1.3, LATEST REVISION.
 - ALL SCREWS SHALL BE TEK/STAXX SELF-DRILLING SCREWS BY ITW BUILDX, OR APPROVED EQUIVALENT. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
 - ALL COLD FORMED STEEL PRODUCTS TO BE UTILIZED SHALL BE INCLUDED IN EVALUATION REPORTS OF THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) VERIFYING ALL SECTION AND STRENGTH PROPERTIES NECESSARY FOR DESIGN, AND SHALL BE IN CONFORMANCE W/ ICBO ACCEPTANCE CRITERIA A46.
 - LIGHT GAGE - COLD FORMED STEEL MEMBERS SHALL BE PER ASTM A653, STRUCTURAL QUALITY UNLESS NOTED OTHERWISE, MEMBERS 18 GA. AND LIGHTER SHALL HAVE A YIELD STRENGTH (Fy) OF 33,000 PSI AND 16 GA. AND HEAVIER MEMBERS SHALL HAVE A YIELD STRENGTH OF 50,000 PSI. SEE #8 & #9 FOR MINIMUM REQUIRED PROPERTIES OF MEMBERS.
 - ASTM A607 GR. 55 CAN BE USED AS AN ALTERNATIVE TO ASTM A653 FOR LIGHT GAGE COLD FORMED STEEL MEMBERS.

- DESIGN CRITERIA:**
- 20 PSF SNOW LOAD @ ROOF.
 - 5 PSF LIVE LOAD @ FLOOR (CLASSROOM).
 - 75 MPH WIND EXPOSURE C.
 - SEISMIC ZONE 4 W/ Rw = 6.

ABBREVIATIONS:

A.B.	ANCHOR BOLT
ABV.	ABOVE
ADDL.	ADDITIONAL
ADJ.	ADJACENT
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
BLDG.	BUILDING
BLKG.	BLOCKING
BL.W.	BELOW
BM.	BEAM
B.O.	BOTTOM OF
BOT.	BOTTOM
B.S.	BOTH SIDES
B.TWN.	BETWEEN
C.J.	CONSTRUCTION JOINT
C.G.	CENTERLINE
CL.	CEILING
CL.R.	COLUMN
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONSTR.	CONSTRUCTION
CONN.	CONNECTION
CONT.	CONTINUOUS
CP	COMPLETE PENETRATION
CSK.	COUNTERSINK
DBL	DOUBLE
DET.	DETAIL
D.F. or D-L	DOUGLAS FIR-LARCH
DIAG.	DIAGONAL
DIM.	DIMENSION
D.O.	DITTO
DRWG.	DRAWING
DIA.	DIAMETER
(E)	EXISTING
E.A.	EACH
E.F.	EACH FACE
E.J.	EXPANSION JOINT
ELEV.	ELEVATION
E.N.	EDGE NAILS
E.O.	EACH SIDE
EQUIP.	EQUIPMENT
E.S.	EACH SIDE
EXTR.	EXTERIOR
E.W.	EACH WAY
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH
FL.R.	FLOOR
F.N.	FACE NAIL
FND.	FOUNDATION
F.O.	FACE OF
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.S.	FAR SIDE
FTG.	FOOTING
GA.	GAGE
GLV.	GALVANIZED
G.L.	GRID LINE
GLB	GLU-LAM BEAM
GYP. BD.	GYP. BOARD
HCB	HOLLOW CONCRETE BLOCK
HD	HOLDOWN
HDR.	HEADER
HK.	HOOK
HORIZ.	HORIZONTAL
H.S.	HIGH STRENGTH
INFO.	INFORMATION
INTR.	INTERIOR
INTRM.	INTERMEDIATE
	INTERPRETATIONS OF REGULATIONS
JOINT	JOINT
LC.TN.	LOCATION
LLV	LONG LEG VERTICAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MOD.	MODULE
(N)	NEW
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.H.	OPPOSITE HAND/OVERHANG
OPNG.	OPENING
OPP.	OPPOSITE
PC.	PIECE
P.L. (R)	PLATE
PPT	PRESSURE PRESERVATIVE TREATED
P.T.	PLYWOOD
REINF.	REINFORCEMENT
REQD.	REQUIRED
RWD.	REDWOOD
SHTHG.	SHEATHING
SIM.	SIMILAR
SO.	SQUARE
STD.	STANDARD
STG'D.	STAGGERED
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
TS	TUBE STEEL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VERT.	VERTICAL
W/	WITH
W.P.	WORK POINT
WWF	WELDED WIRE FABRIC
WND.	WINDOW

TYPICAL DETAILS:

NOTE: ALL BAYS BENT COLD - NO FIELD BENDING ALLOWED.

TYPICAL (U.O.N.)

INSIDE BEND DIMETERS

BAR SIZE	D
#3 to #8	6d
#9, #10, #11	8d
#14, #18	10d

STIRRUPS & TIES

INSIDE BEND DIMETERS

BAR SIZE	D
#3	1 1/2"
#4	2"
#5	2 1/2"

STD. HOOKS & BENDS IN REINF. STEEL

CONC. REINF. DETAIL

NOTE: ALL PIPES TO CLEAR SLEEVES BY 1" ALL AROUND - CALK AS REQ'D

PIPES AT FOOTINGS

NOTE: ALL PIPES TO CLEAR SLEEVES BY 1" ALL AROUND - CALK AS REQUIRED. PIPE NEVER TO BE MORE THAN 2'-8" BELOW BOTTOM OF FOOTING. STEP FOOTING IF REQUIRED PER TYPICAL STEP DETAILS.

STATE OF CALIFORNIA
Department of General Services
JUL 22 1997

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-330
AD: [Signature]
DATE: 7-1-97

DESIGN (1995 CBC)

ROOF LIVE LOAD	= 20 PSF	WIND	= C
FLOOR LIVE LOAD	= 50 PSF		
WIND	= 75 MPH		
SEISMIC ZONE	= 4		

REVISIONS	BY
5-13-97	BD
6-30-97	BD

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95351 (209) 521-1600

24x40 RELOCATABLE BUILDING

GENERAL NOTES AND TYPICAL DETAILS

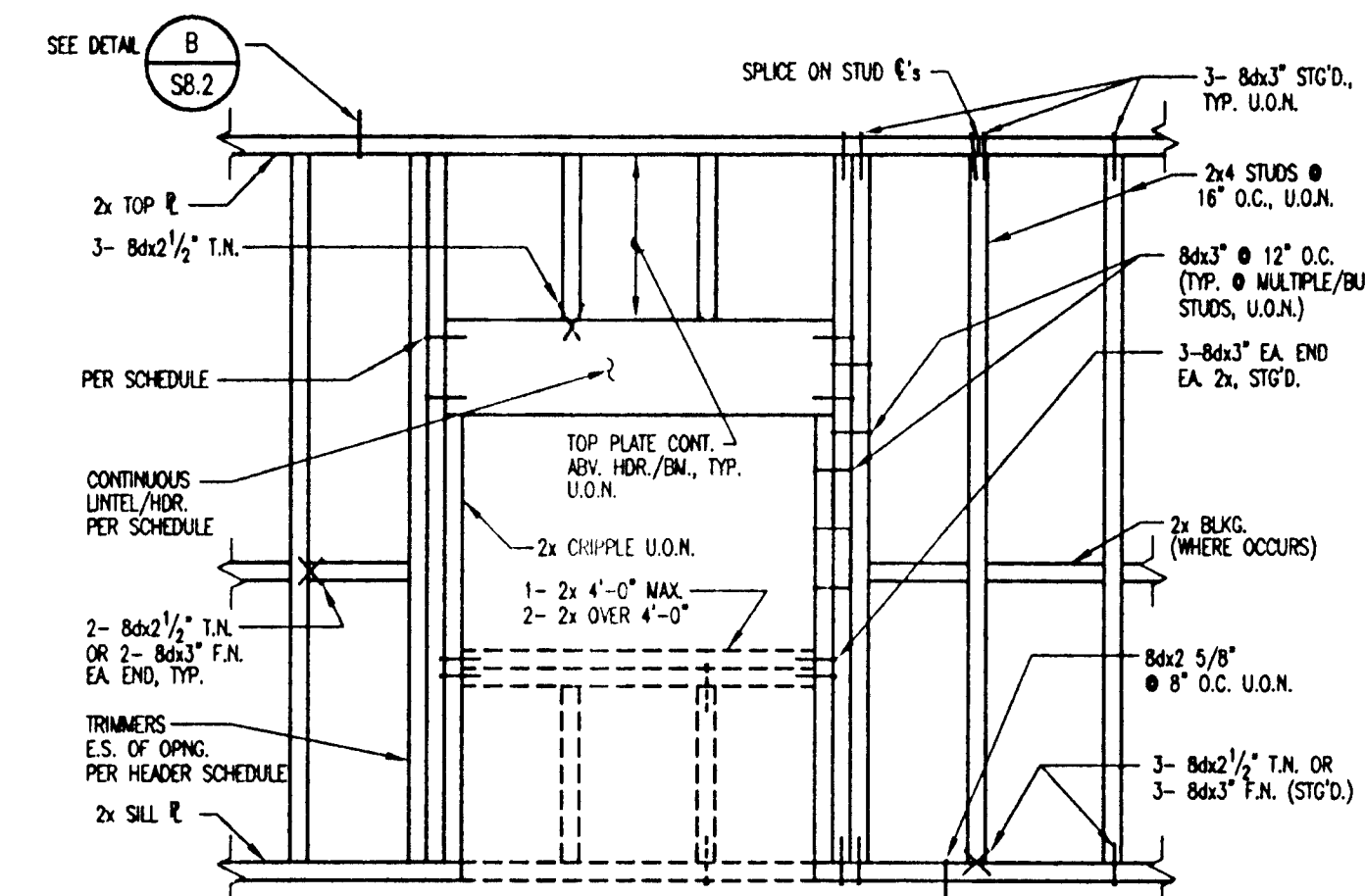
REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
STRUCTURAL
STATE OF CALIFORNIA
EXPIRES 3-31-00

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
10304 PLACER AVE., STE. 100, SACRAMENTO, CA 95827-2011
(916) 366-4422

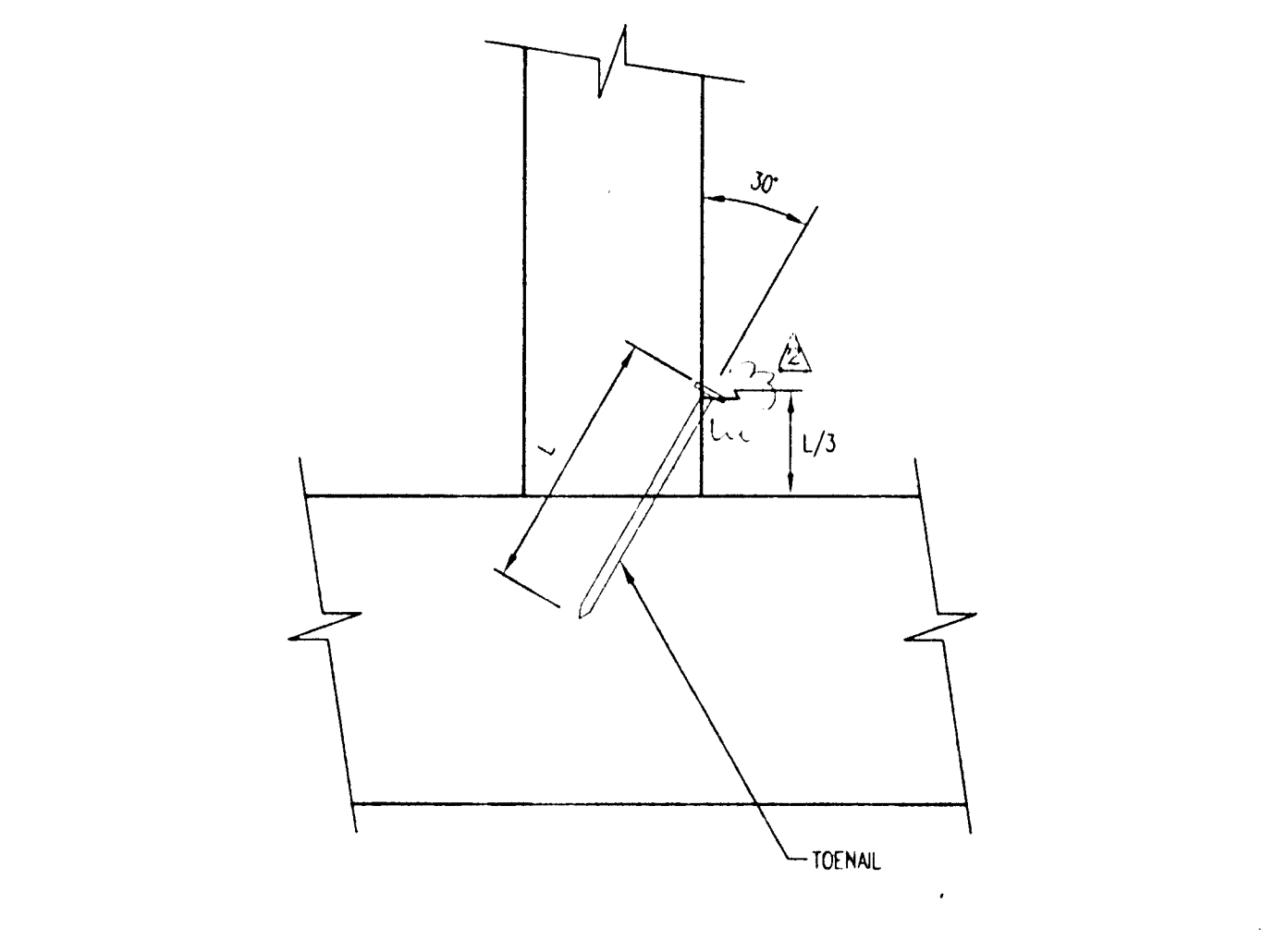
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CHECKED	BD/PLS
DATE	6-30-97
SCALE	N.T.S.
JOB NO.	97007 PSPC1
SHEET	
S0.1	
30F	21
SHEETS	

HDR. SCHEDULE				
SPIN (OPNG. WIDTH)	STUD WALL	HDR. SIZE	8dX3" NAILS EA. END HDR. (FROM TRIMMER)	TRIMMERS E.S. OF OPENING
4'-0" MAX.	2x4	4x8 (1)	6	2- 2x4
6'-0" MAX.	2x4	4x8 (1)	6	3- 2x4
8'-0" MAX.	2x4	4x8 (1)	8	3- 2x4

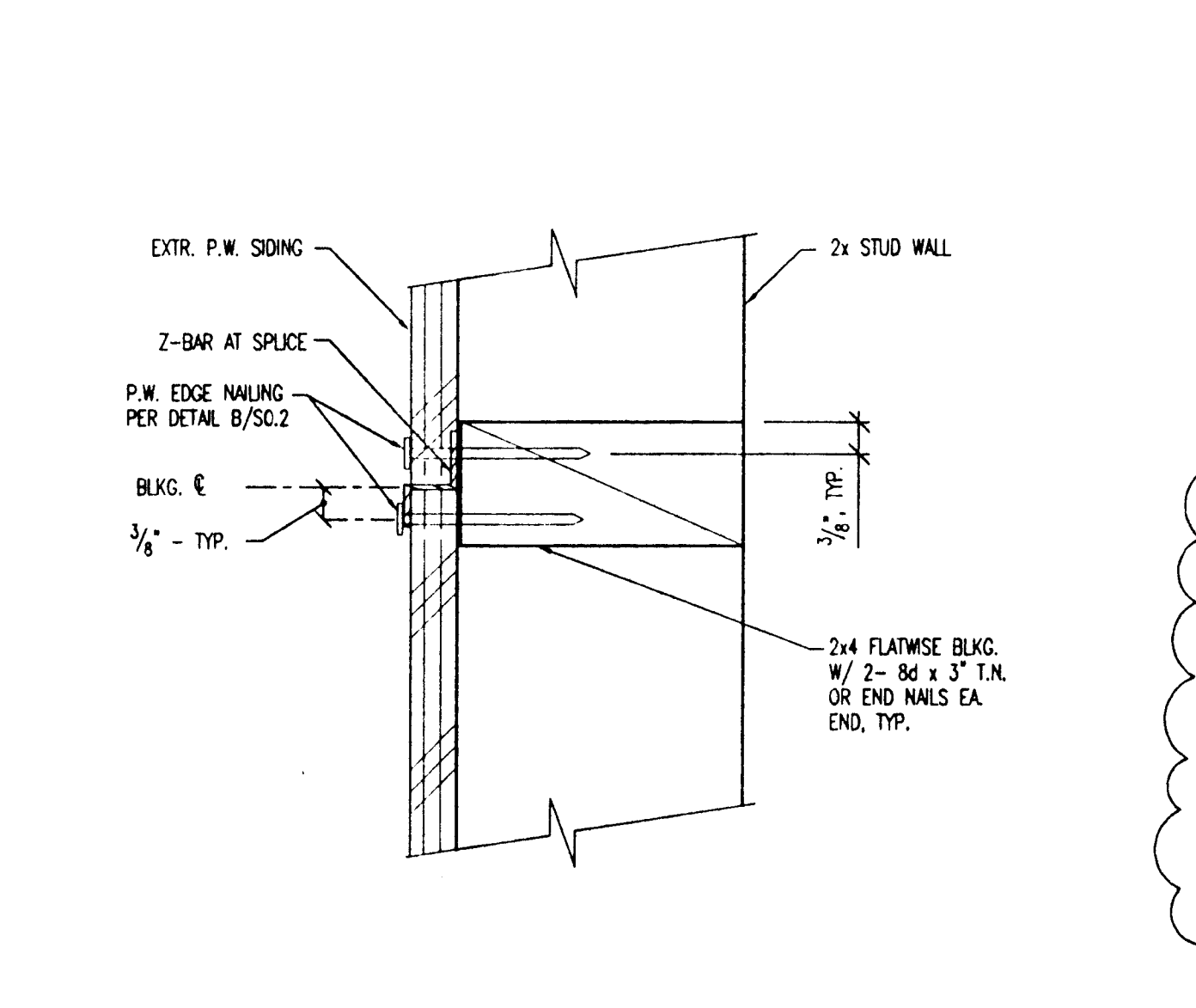
NOTE (1): SEE **L** FOR ALT. HDRS.



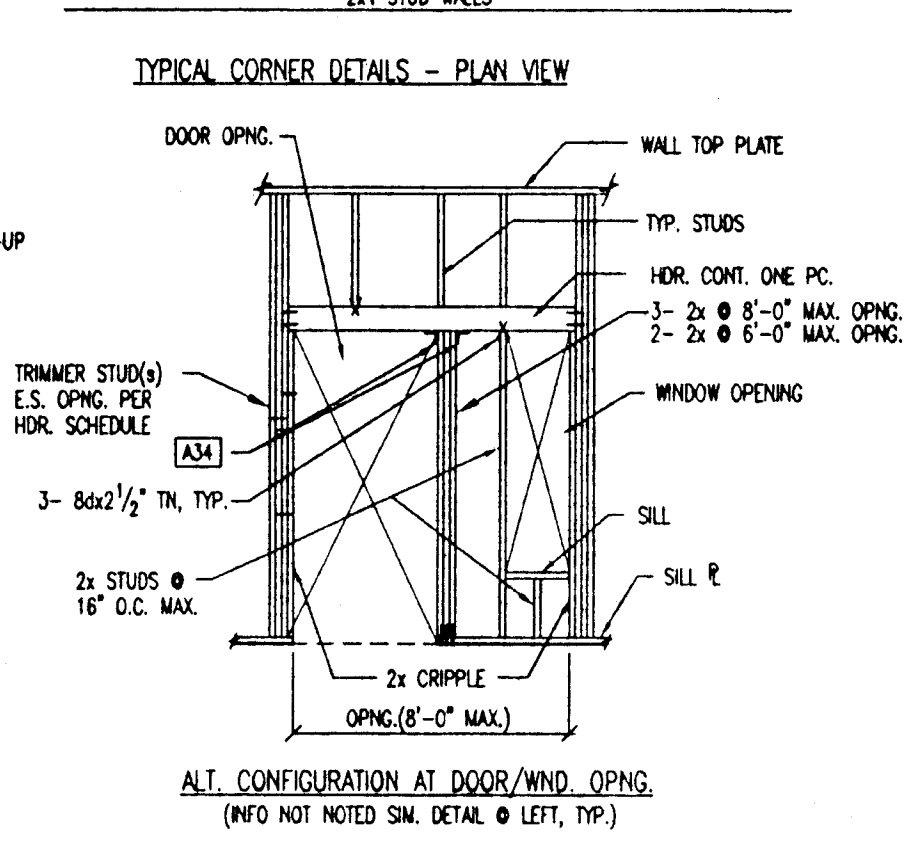
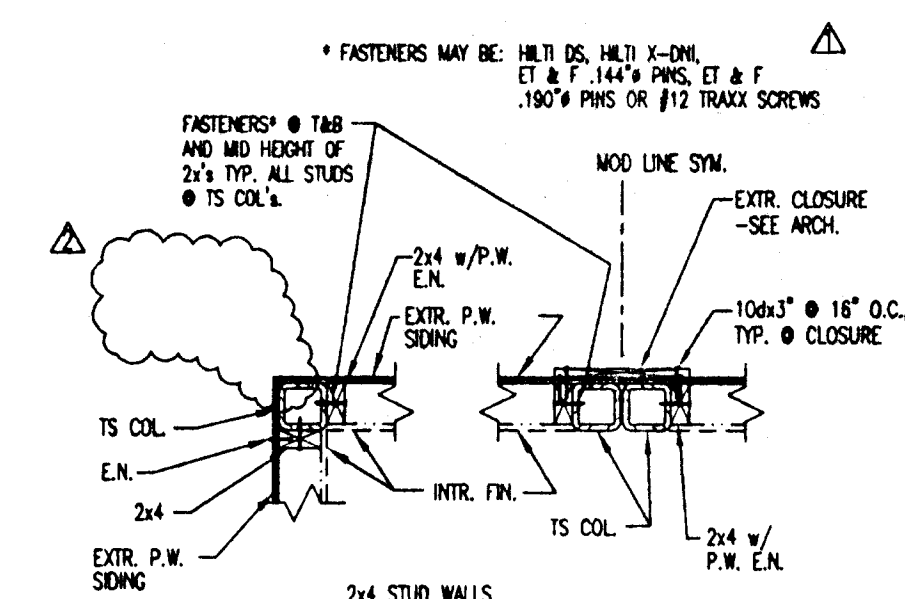
S0.2 TYP. EXTERIOR STUD WALL DETAIL



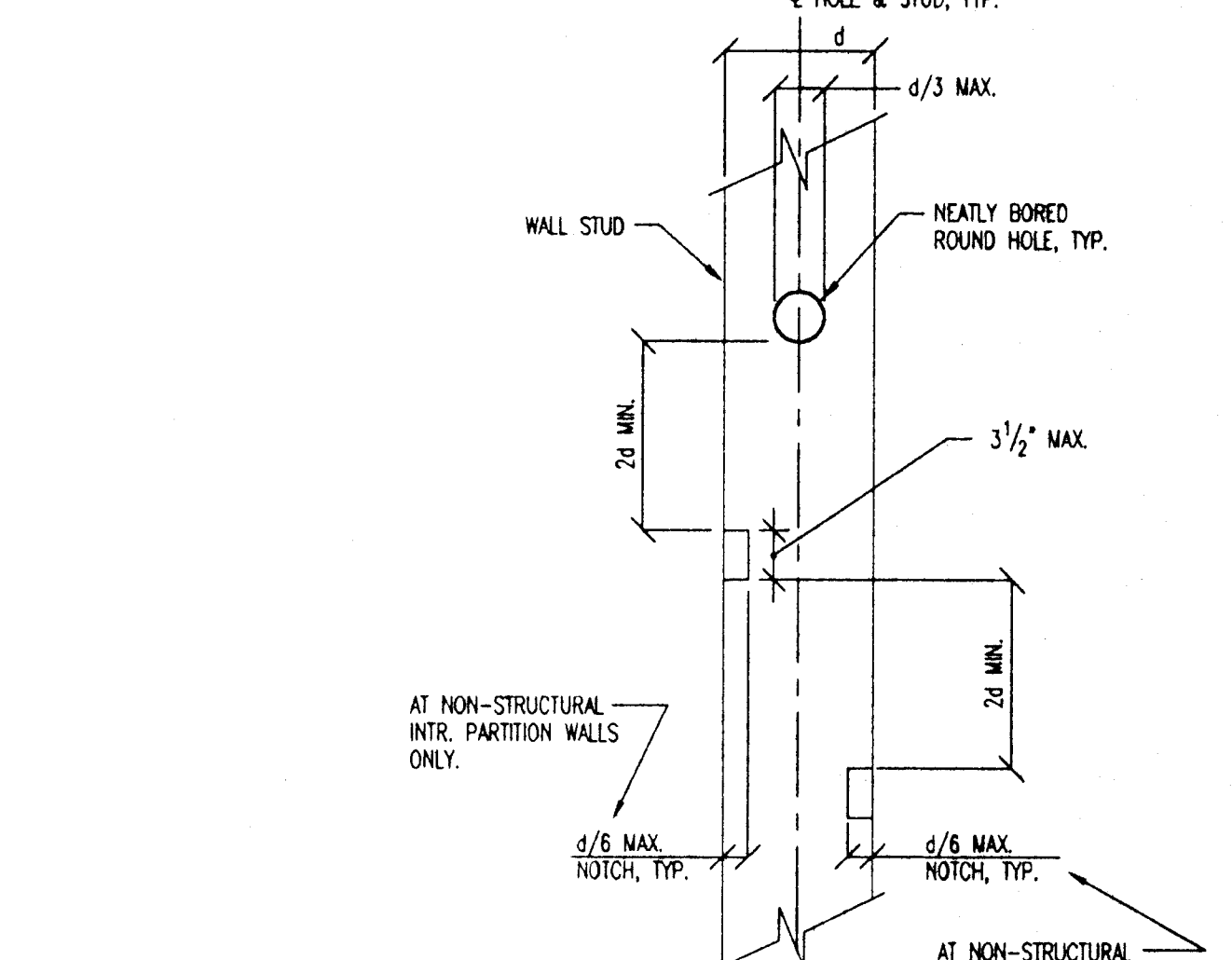
D TYPICAL TOENAIL DETAIL



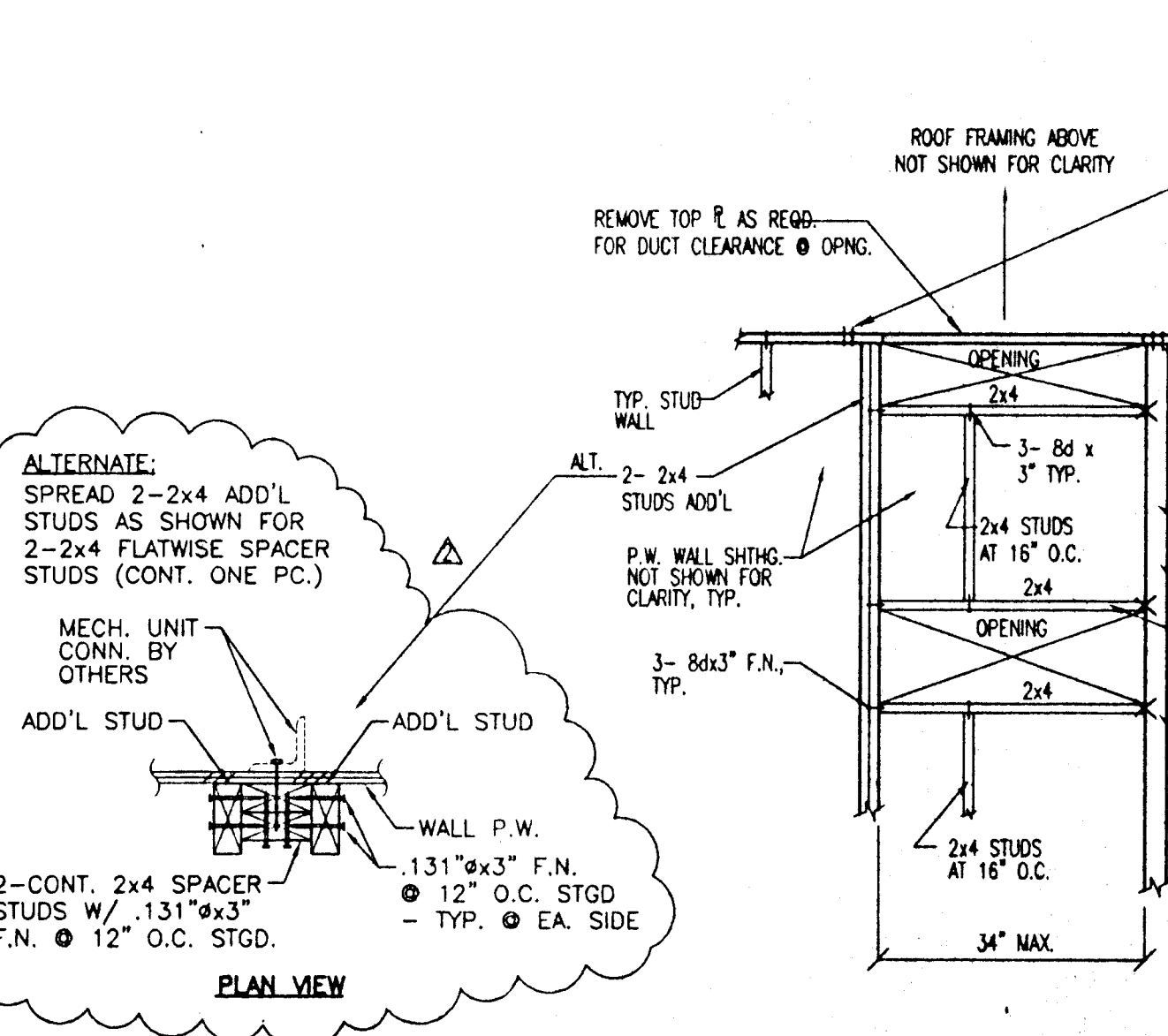
H DET.-HORIZ. P.W. JOINT @ WALL



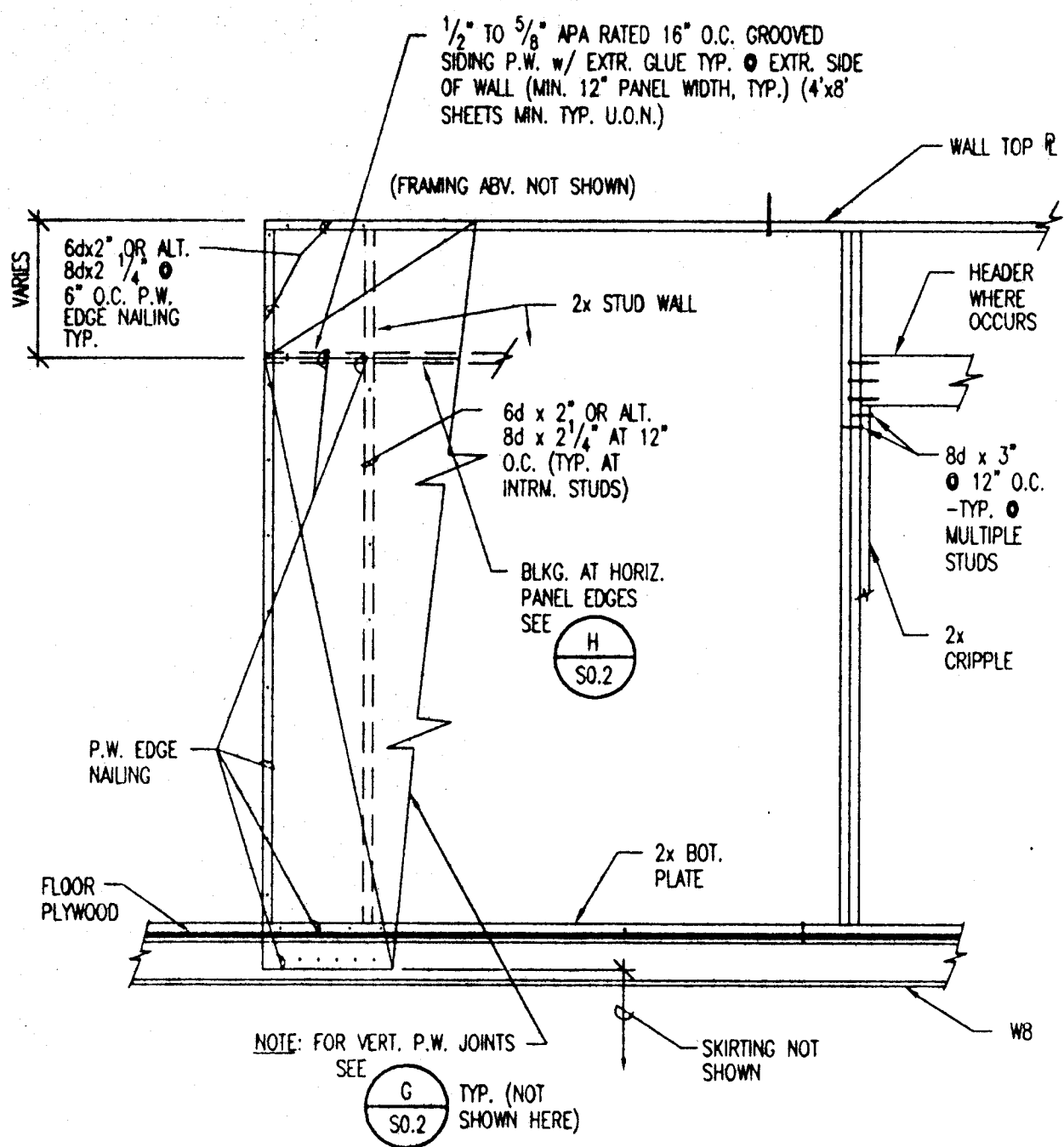
S0.2 TYP. DET. - EXTR. STUD WALL SHEATHING



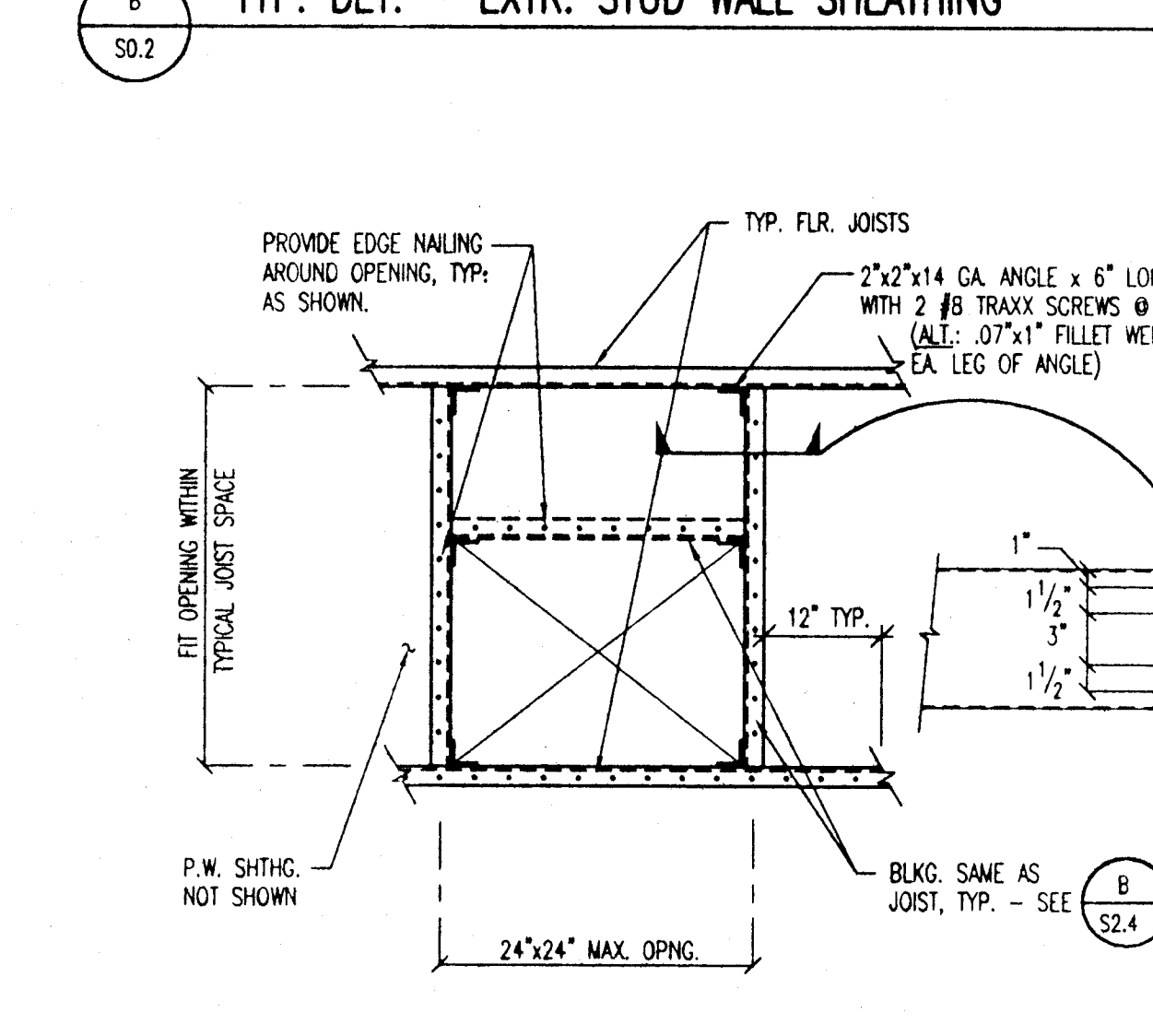
E ALLOW. CUTS IN WALL STUDS



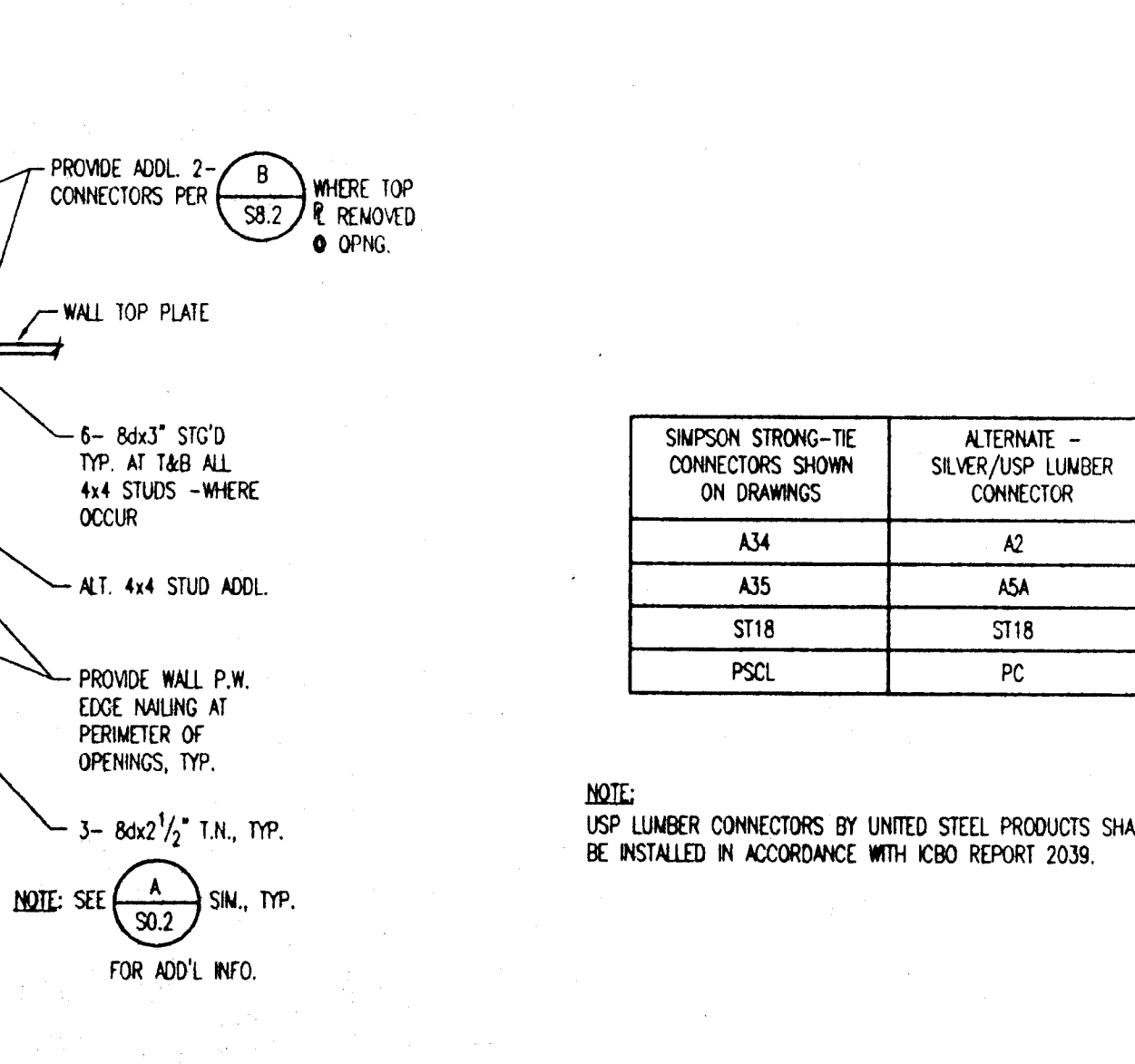
J TYP. HVAC FRAMING DET. @ STUD WALL



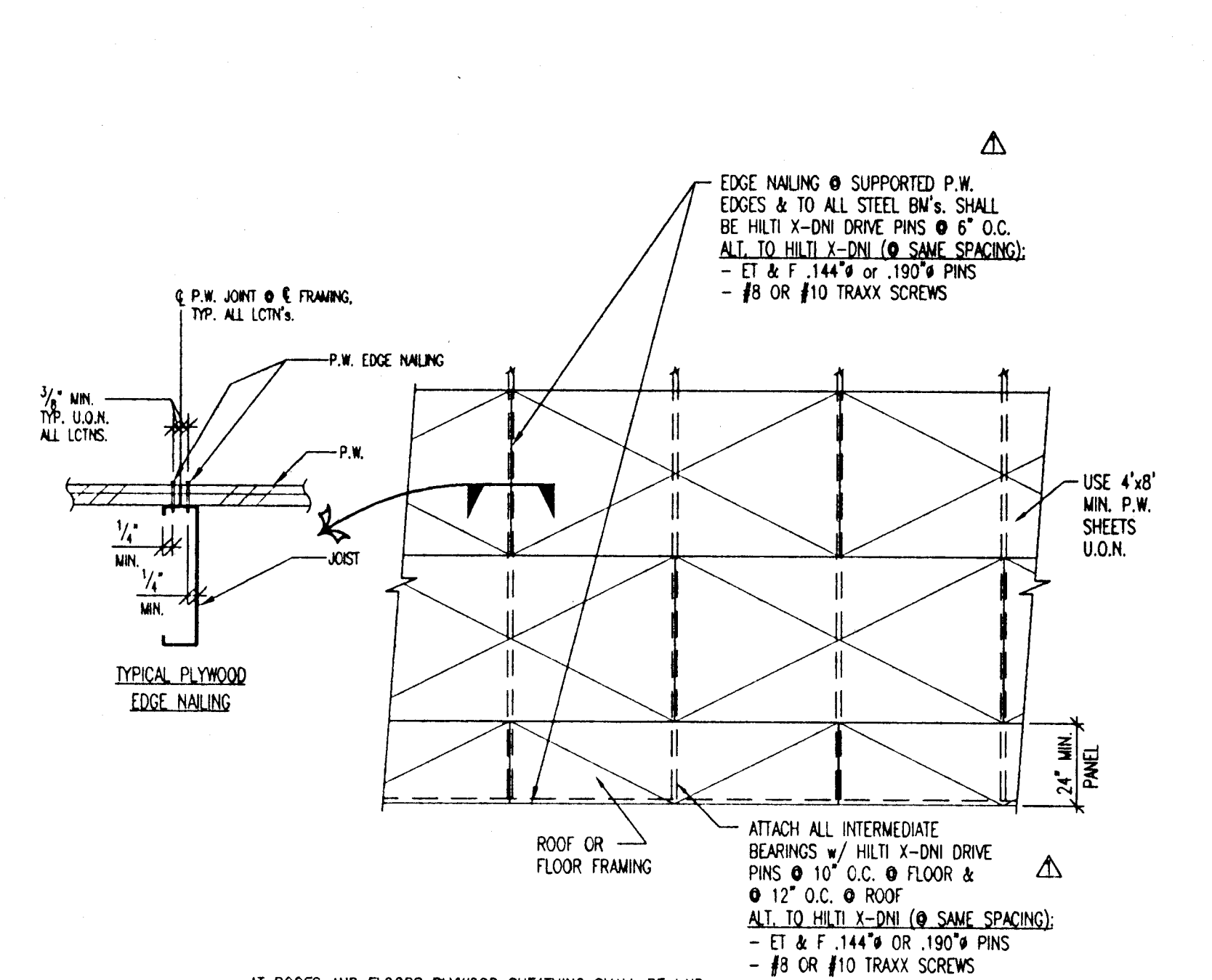
B TYP. DET. - EXTR. STUD WALL SHEATHING



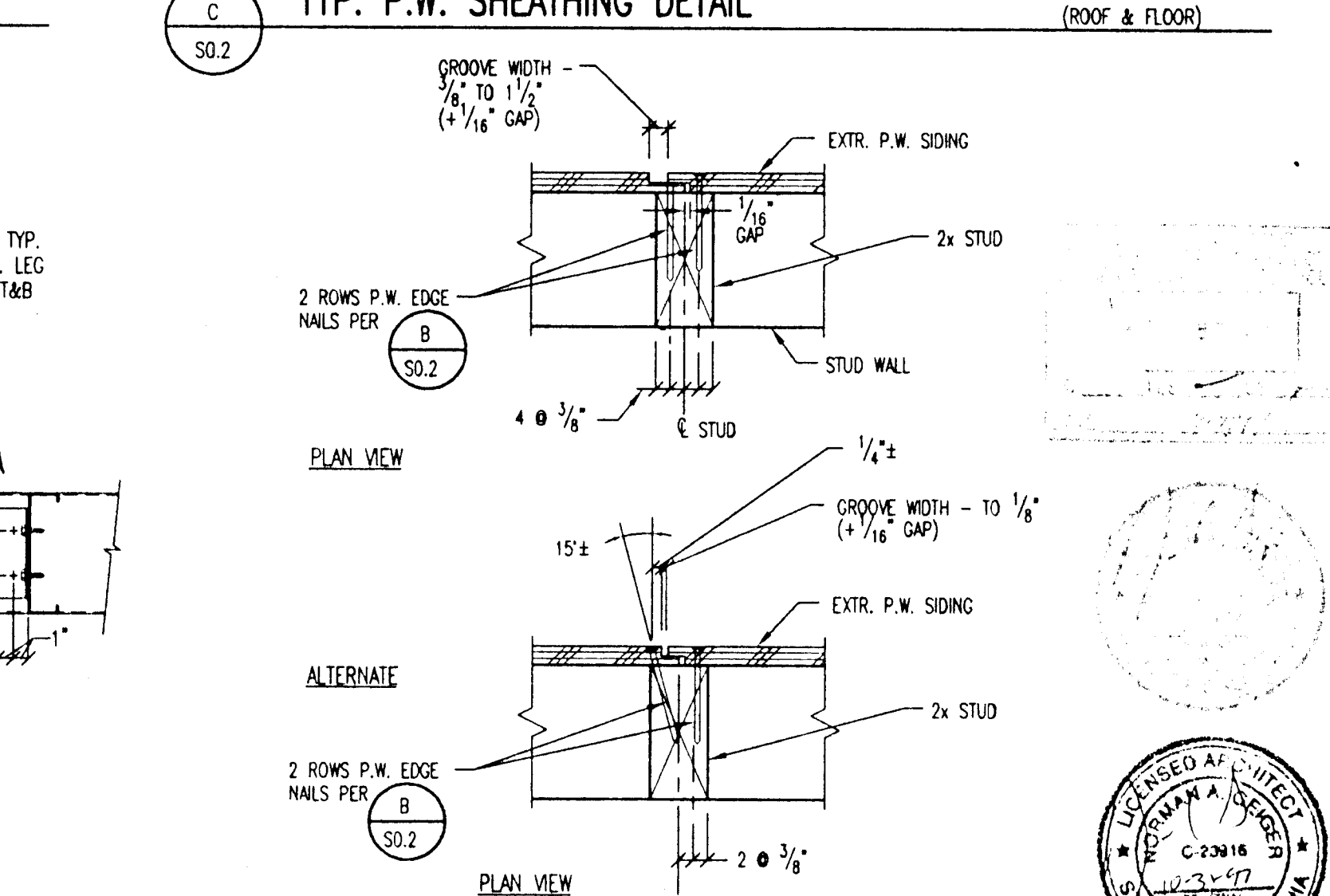
F DET.-TYP. FLOOR FRAMING @ OPENING



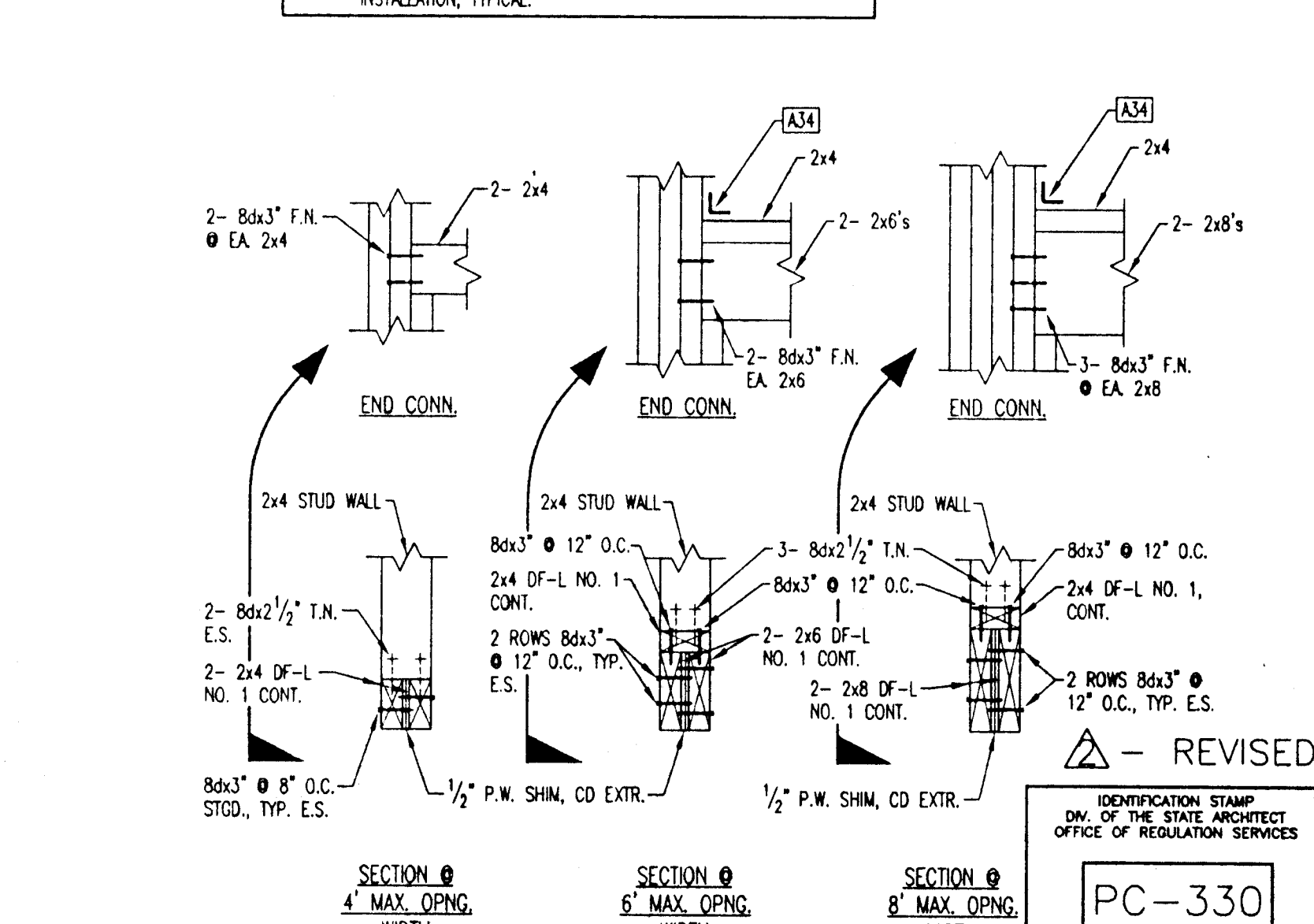
K ACCEPTABLE ALTERNATE FRAMING CONNECTOR TABLE



C TYP. P.W. SHEATHING DETAIL



L DET.-VERTICAL P.W. JOINT @ WALL



L ALT. WOOD STUD WALL HDR's DETAIL

REVISIONS	BY
5-22-97	BD
6-30-97	BD

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95333 (209) 521-1600

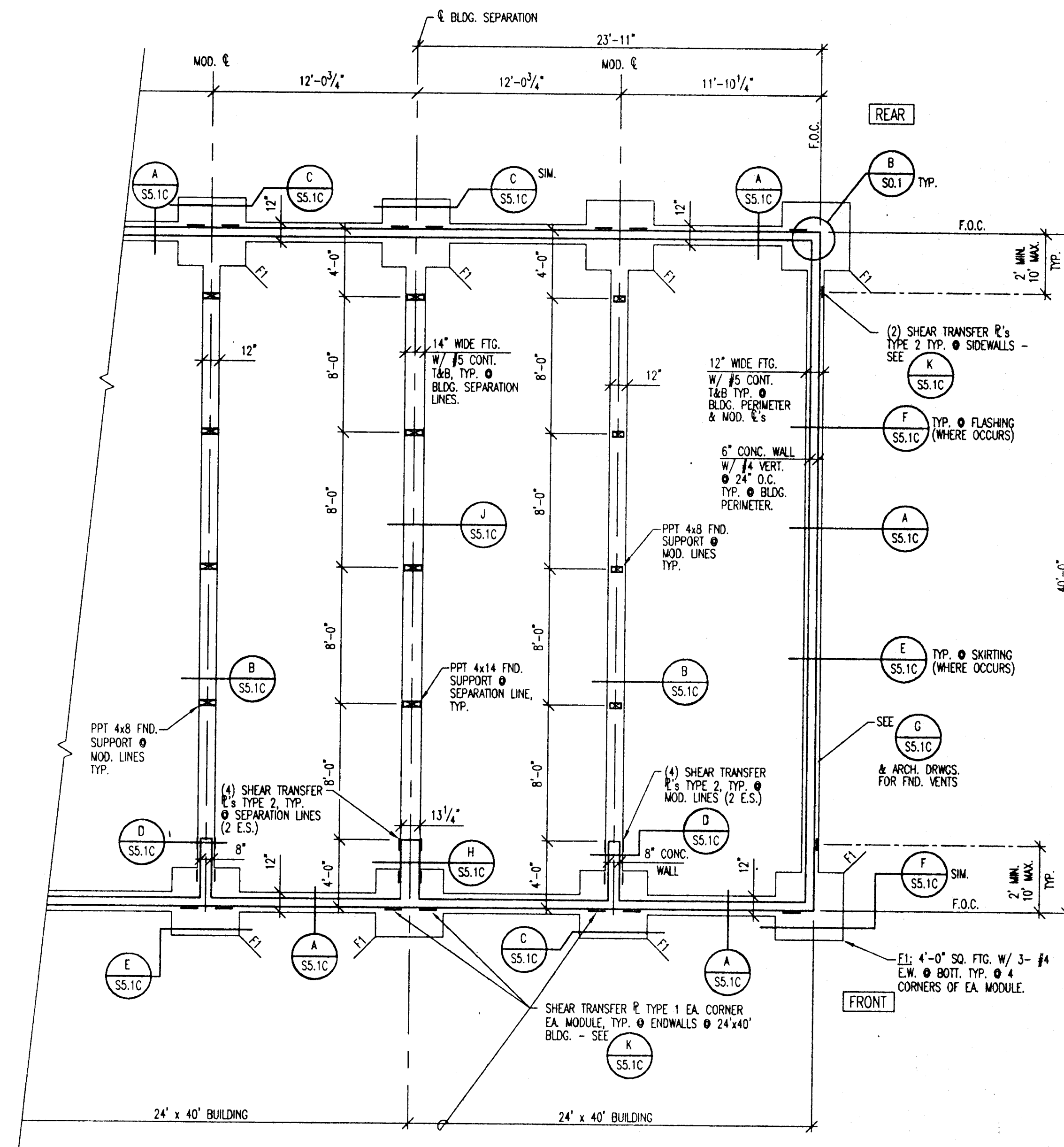
24x40 RELOCATABLE BUILDING

REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
EXPIRES 3-31-00

ANDERSON & DOIG
STRUCTURAL ENGINEERS
CALIFORNIA CORPORATION
3000 PLACER AVENUE, SUITE 100, SACRAMENTO, CA 95833
(916) 366-9622

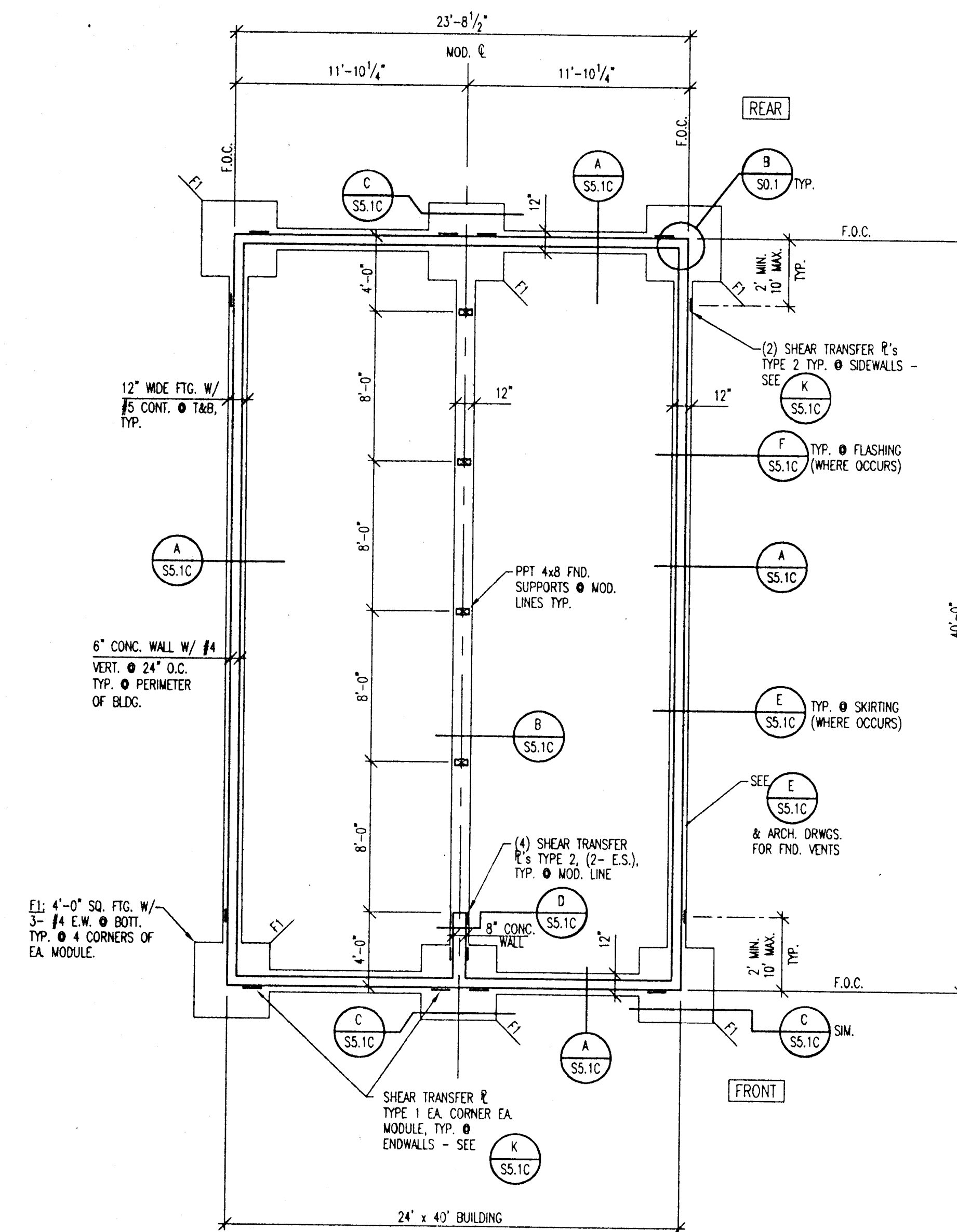
DRAWN JR	DATE 6-30-97	SCALE N.T.S.	JOB NO. 97007 PSPC1
CHECKED BD/PLS	DATE 6-30-97	SCALE N.T.S.	SHEET S0.2

DESIGN (1995 CBC)	20	PSF	WIND
ROOF LIVE LOAD	50	PSF	WIND
FLOOR LIVE LOAD	75	PSF	WIND
SEISMIC ZONE	4		



1
S2.1

MULTIPLE 24'x40' BUILDING CONCRETE FOUNDATION PLAN
SCALE: 3/16"=1'-0"



2
S2.1

24'x40' BUILDING CONCRETE FOUNDATION PLAN
SCALE: 3/16"=1'-0"

NOTES: TYPICAL AT CONCRETE FOUNDATIONS

- THE CONCRETE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS, ELEVATIONS AND LOCATIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND/OR OWNER AND THE BUILDING MANUFACTURER AND BE RESOLVED BEFORE BEGINNING ANY WORK.
- DIMENSIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS. DIMENSIONS MUST BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, CONTACT THE ARCHITECT AND/OR OWNER AND BUILDING MANUFACTURER AND RESOLVE BEFORE BEGINNING ANY WORK.
- THE CONCRETE CONTRACTOR IS RESPONSIBLE FOR PROPER BUILDING FIT-UP AND INSTALLATION ON THE FOOTINGS. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND BUILDING MANUFACTURER PRIOR TO BEGINNING ANY CONSTRUCTION.
- ALL FOOTINGS ARE MIN. 12" THICK, U.O.N.

DO NOT SCALE THE DRAWINGS (PLANS OR DETAILS)

△ - REVISED

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

PC-330

DATE: 7-1-97

24'x40' BLDG.

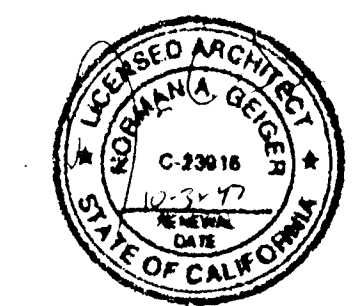
DESIGN (1995 CBC)
ROOF LIVE LOAD = 20 PSF
FLOOR LIVE LOAD = 50 PSF
WIND = 75 MPH
SEISMIC ZONE = 4

REVISIONS	BY
5-22-97/NO CHANGE	BD
6-30-97/NO CHANGE	BD

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95333 (209) 521-1600

24x40 RELOCATABLE BUILDING

CONCRETE FOUNDATION PLANS



REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
EXPIRES 3-31-00

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
10308 PLACER LANE, STE 100, SACRAMENTO, CA 95827-2011
(916) 366-9622

DRAWN
JR
CHECKED
BD/PLS
DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPC1
SHEET

S2.1
2 OF 21 SHEETS

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MADERSTO, CA 95333 (209) 521-1600

24x40 RELOCATABLE BUILDING

WOOD FOUNDATION PLANS

P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

24x40 RELOCATABLE BUILDING

WOOD FOUNDATION PLANS



EXPIRES 3-31-00

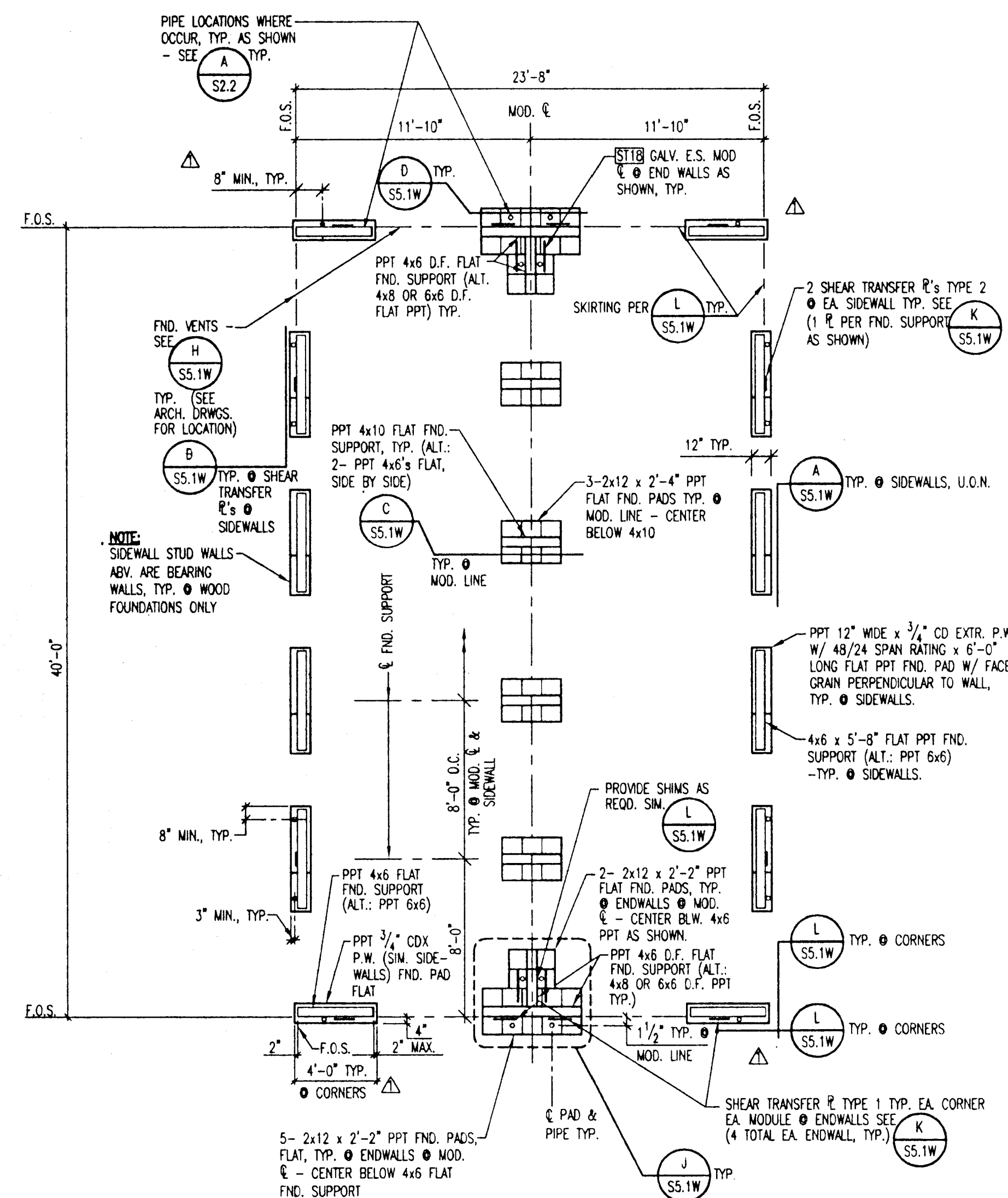
**ANDERSON & DOIG
STRUCTURAL ENGINEERS**
A CALIFORNIA CORPORATION
ONE, STE. 100, SACRAMENTO, CA 95827-2511
TEL. 916/442-2222 FAX 916/442-2223

10308 PLACER L

DRAWN
JR
CHECKED.
BD/PLS
DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPC
SHEET

S2.2

11 OF 21 SHEETS



2 24'x40' BLDG. WOOD FOUNDATION PLAN
S2.2 SCALE: 3/16"=1'-0"



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OFFICE OF REGULATION SERVICES

PC-330

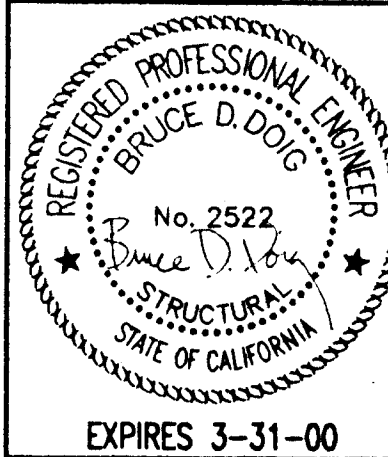
AG: _____ FLS: _____ SS: KFK
DATE: 2-1-97

24'x40' BLDG

DESIGN (1995 CBC)			
ROOF LIVE LOAD	=	20	PSF (SNC)
FLOOR LIVE LOAD	=	50	PSF
WIND	=	75	MPH EXP C
SEISMIC ZONE	=	4	

PACESETTER INDUSTRIES, INC. P.O. BOX 1131, MODESTO, CA 95333 (209) 521-1600 **24x40 RELOCATABLE BUILDING**

FLOOR AND ROOF PLANS



ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
1000 PLEASANT LANE, STE. 100, SACRAMENTO, CA 95833
(916) 364-9922

STATE OF CALIFORNIA
Department of General Services
JUL 22 1997
Division of the State Architect
Registration Services Section

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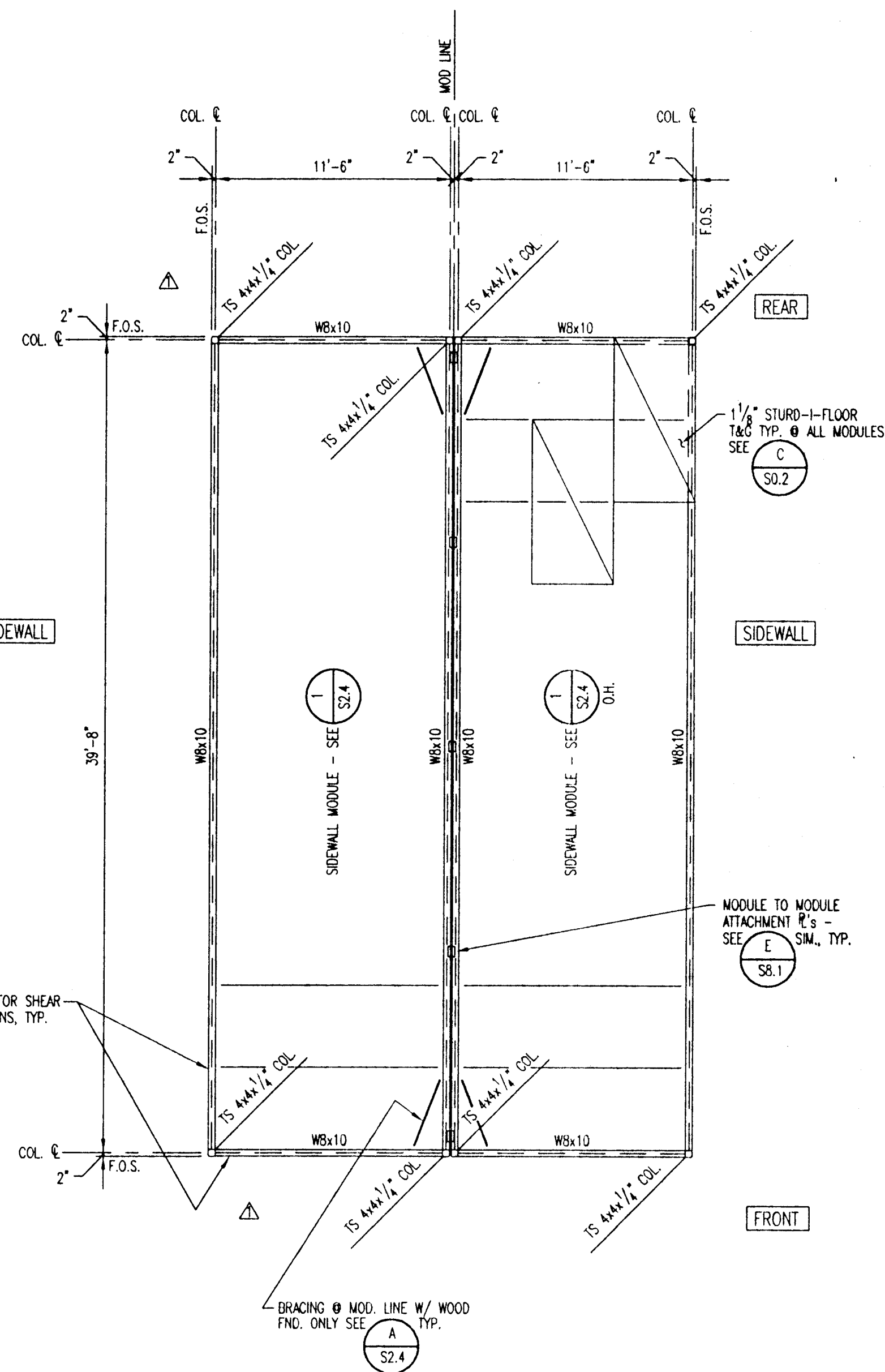
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-330
DATE: 7-7-97

DESIGN (1995 CBC)
ROOF LIVE LOAD = 20 PSF
FLOOR LIVE LOAD = 50 PSF
WIND = 75 MPH
SEISMIC ZONE = 4

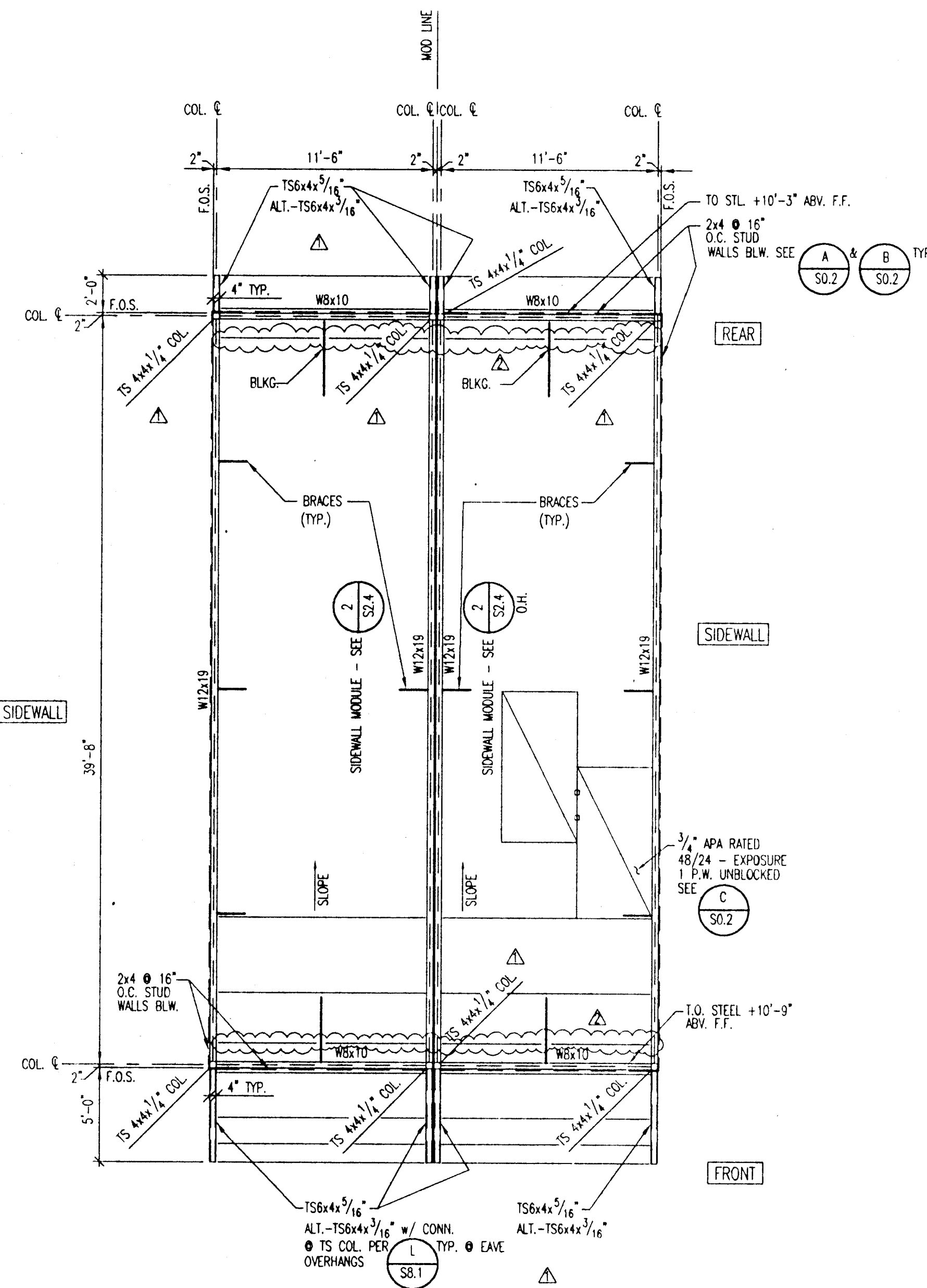
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CHECKED BD/PLS
DATE 6-30-97
SCALE AS NOTED
JOB NO. 97007 PSPC1
SHEET

S2.3

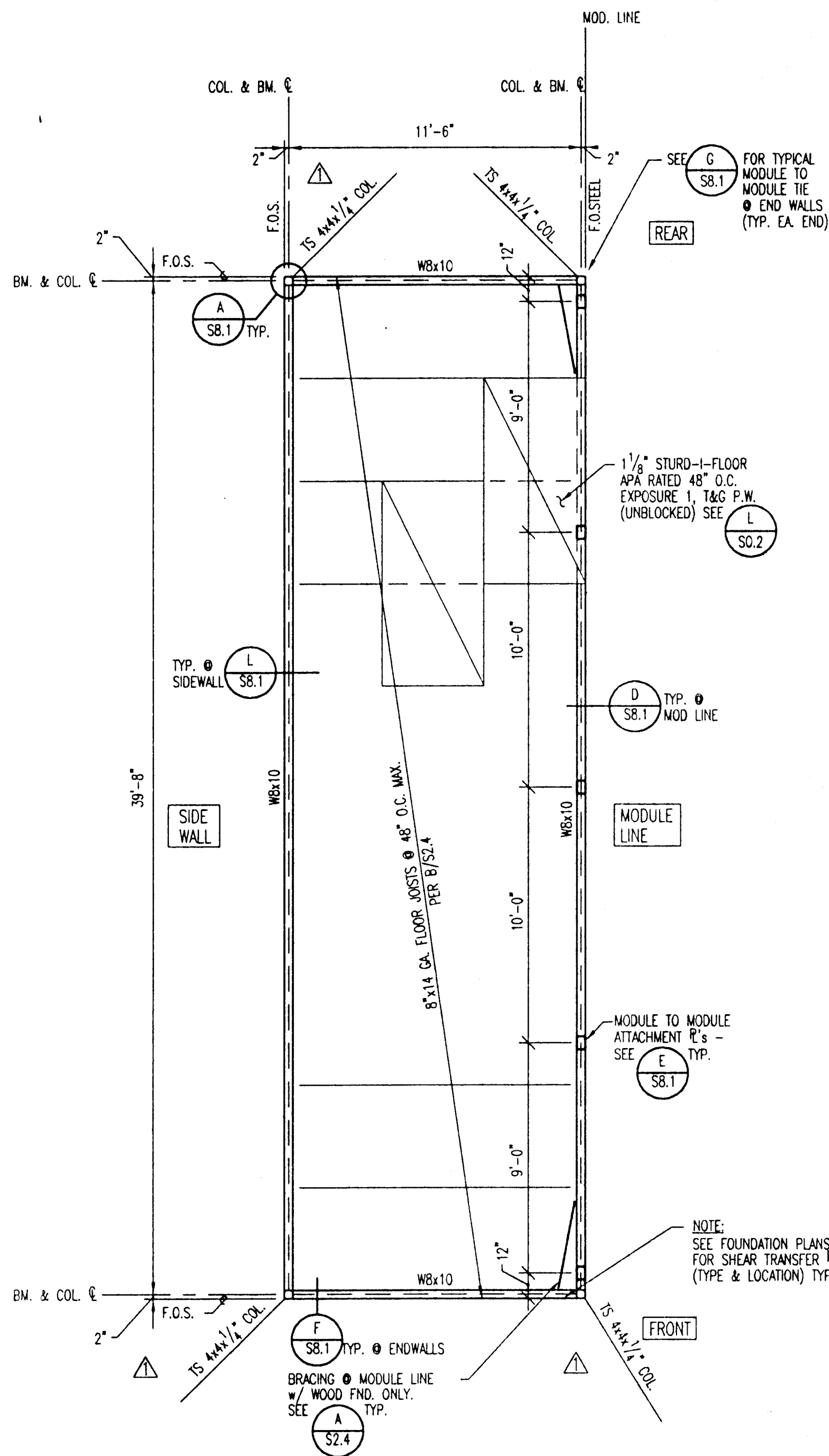
2 OF 21 SHEETS



1 24'x40' BUILDING FLOOR PLAN
SCALE: 3/16"=1'-0"

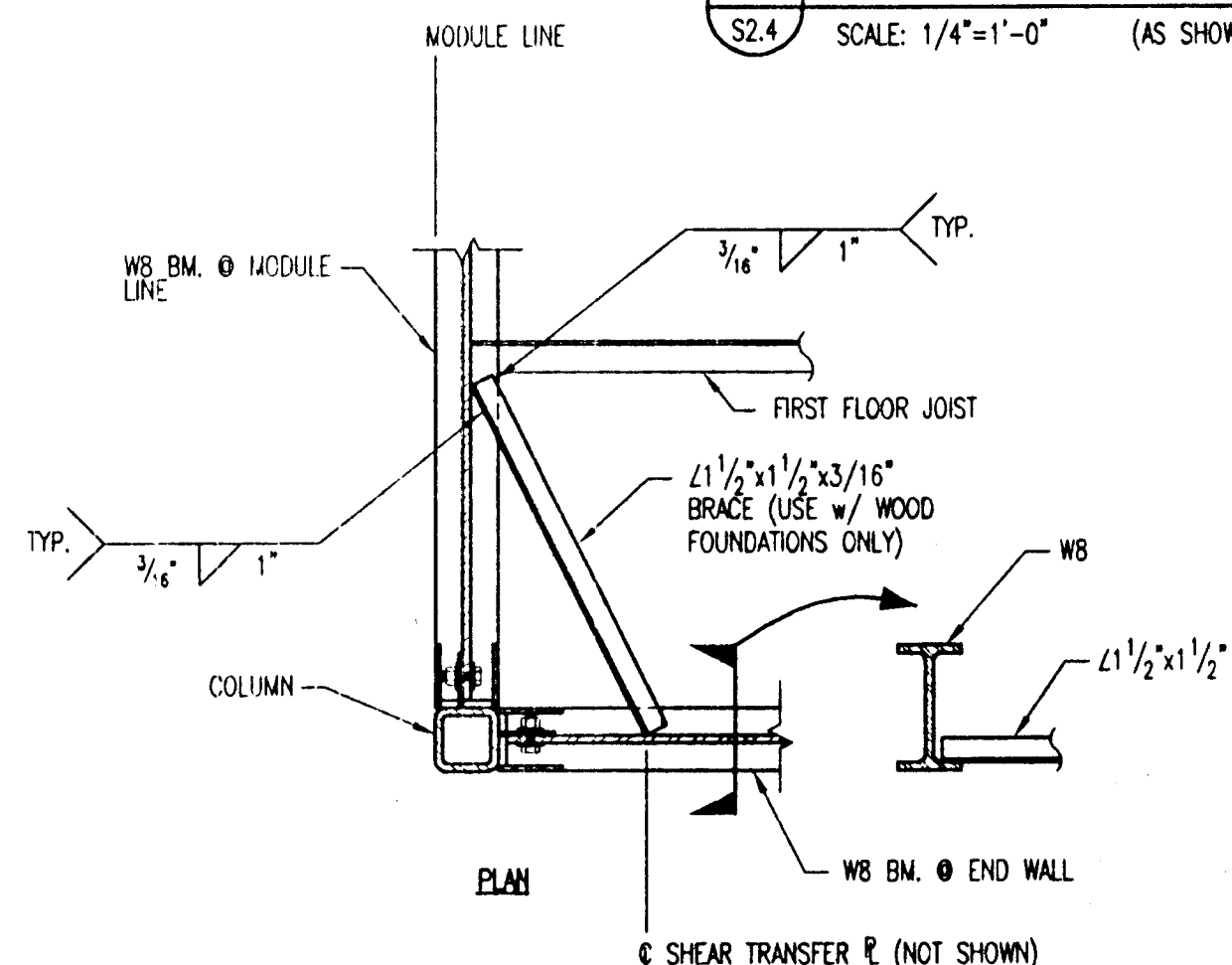


2 24'x40' BUILDING ROOF PLAN
SCALE: 3/16"=1'-0"

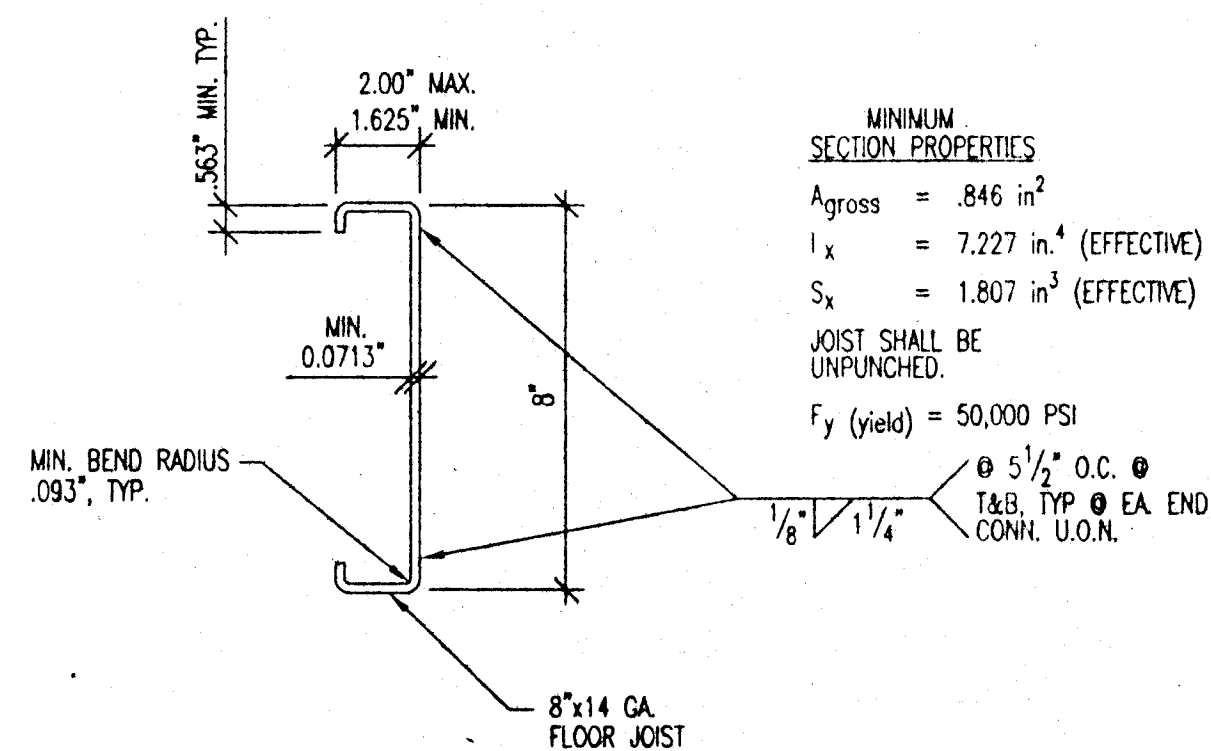


NOTES:
1. FLOOR JOISTS SHALL BE UNPUNCHED LIGHT GAGE COLD FORMED STEEL JOISTS W/ MIN. PROPERTIES PER DETAIL B/S2.4.

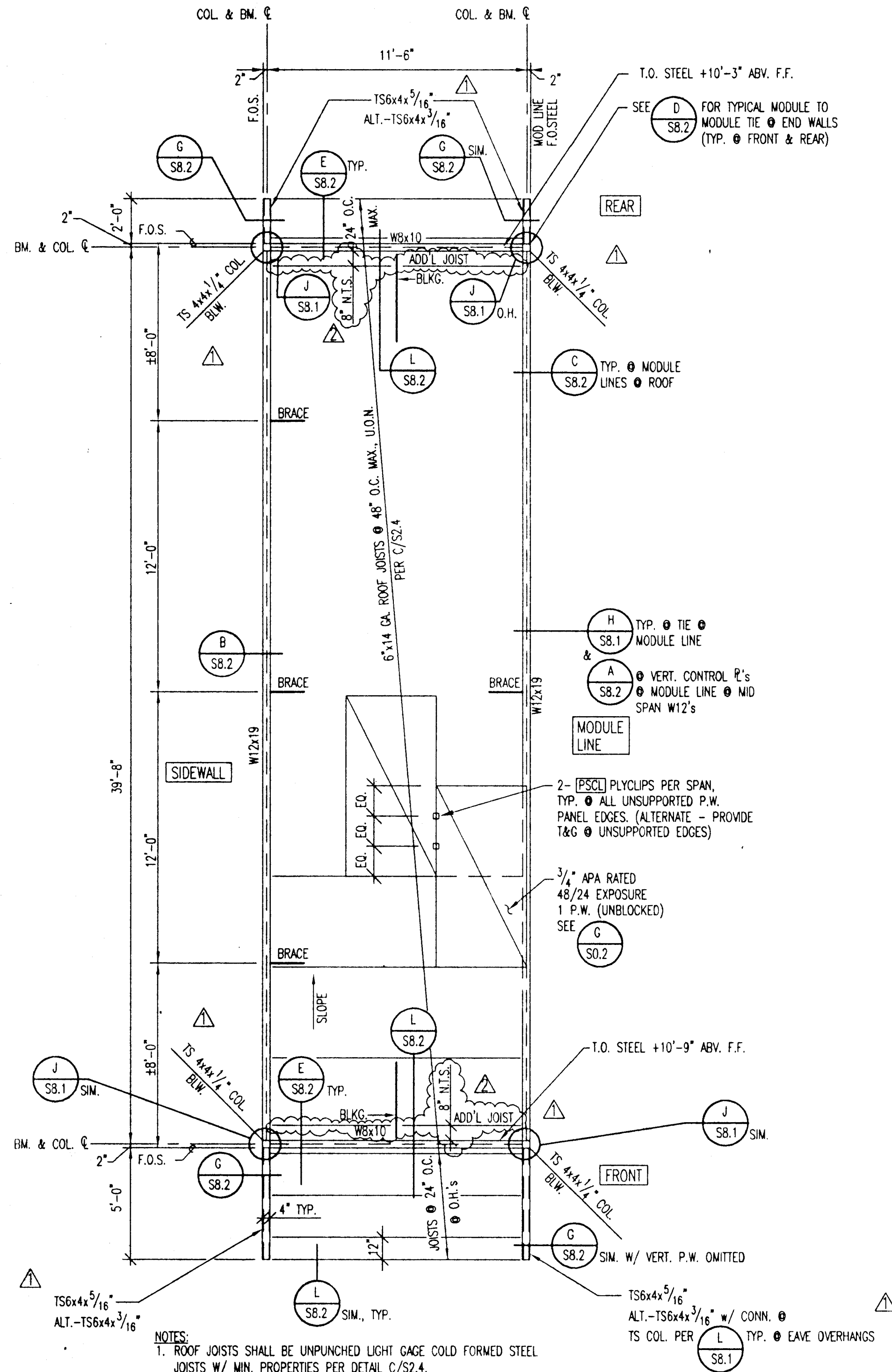
1 TYP. FLOOR PLAN - SIDE WALL MODULE
S2.4 SCALE: 1/4"=1'-0" (AS SHOWN OR O.H.)



A DET. - BRACES IN FLOOR & WOOD FND. & MODULE LINE
S2.4 SCALE: 1"=1'-0"

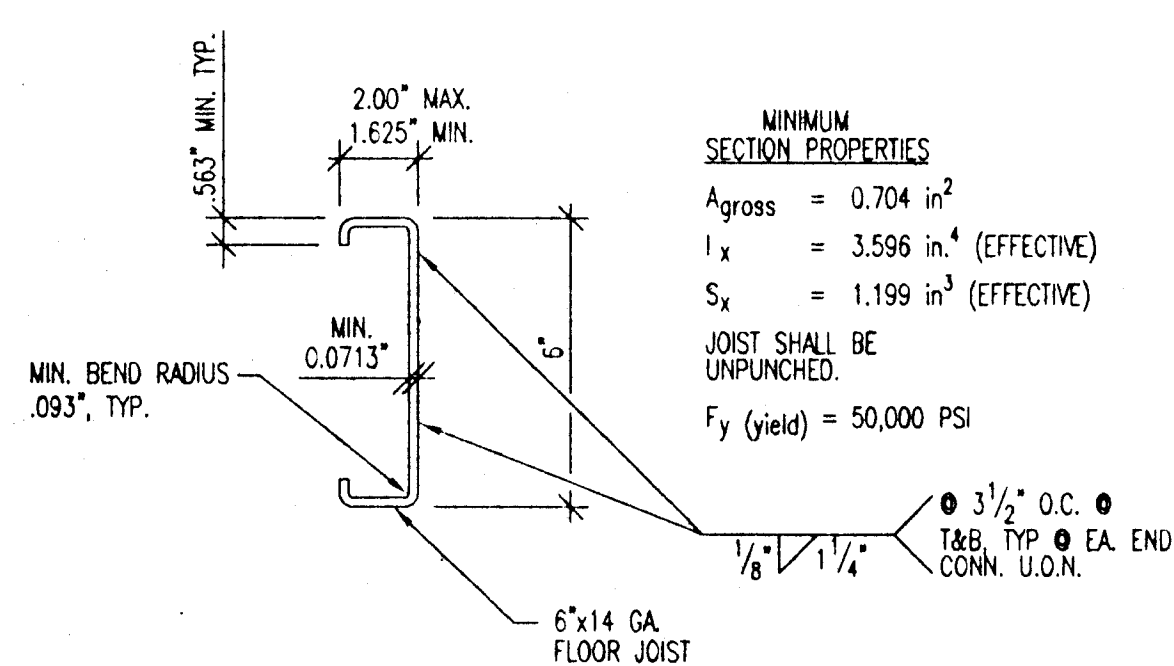


B DETAIL - TYPICAL FLOOR JOIST SECTION
S2.4



NOTES:
1. ROOF JOISTS SHALL BE UNPUNCHED LIGHT GAGE COLD FORMED STEEL JOISTS W/ MIN. PROPERTIES PER DETAIL C/S2.4.
2. PLACE NATURAL CAMBER OF W12 BEAMS UPWARD, TYPICAL.

2 TYP. ROOF PLAN - SIDEWALL MODULE
S2.4 SCALE: 1/4"=1'-0" (AS SHOWN OR O.H.)



C DETAIL - TYPICAL ROOF JOIST
S2.4

REVISIONS
BY
5-22-97
6-30-97
80
80

PC-330
DATE: 5-1-97

DESIGN (1995 CBC)
ROOF LIVE LOAD = 20 PSF
FLOOR LIVE LOAD = 50 PSF
WIND = 75 MPH
SEISMIC ZONE = 4

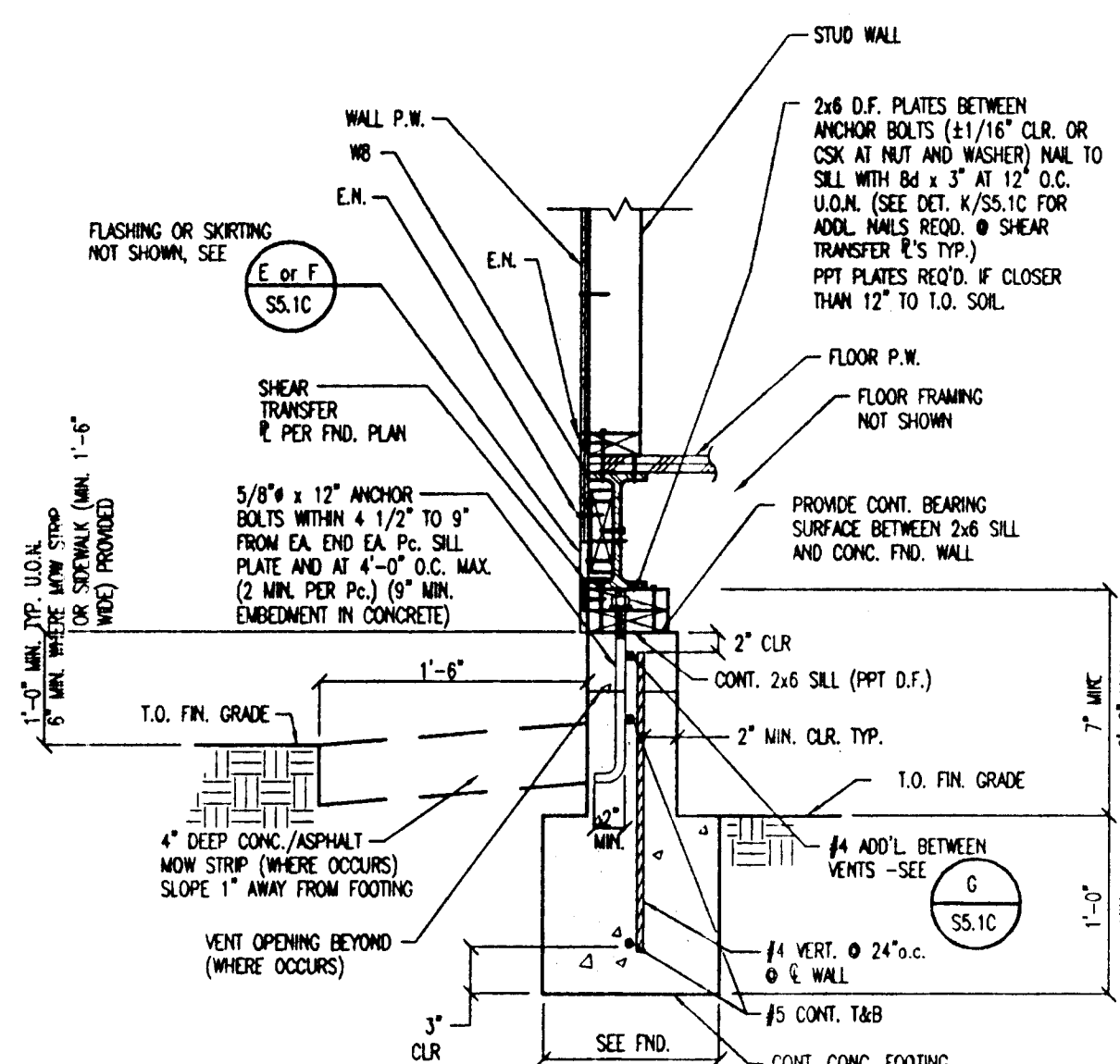
PACESETTER INDUSTRIES, INC.
PO. BOX 1131, MODesto, CA 95331 (209) 521-1600
24x40 RELOCATABLE BUILDING
TYPICAL FLOOR & ROOF PLANS & DETAILS - SIDEWALL MODULES

REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
Since 1977
STRUCTURAL ENGINEER
STATE OF CALIFORNIA
EXPIRES 3-31-00

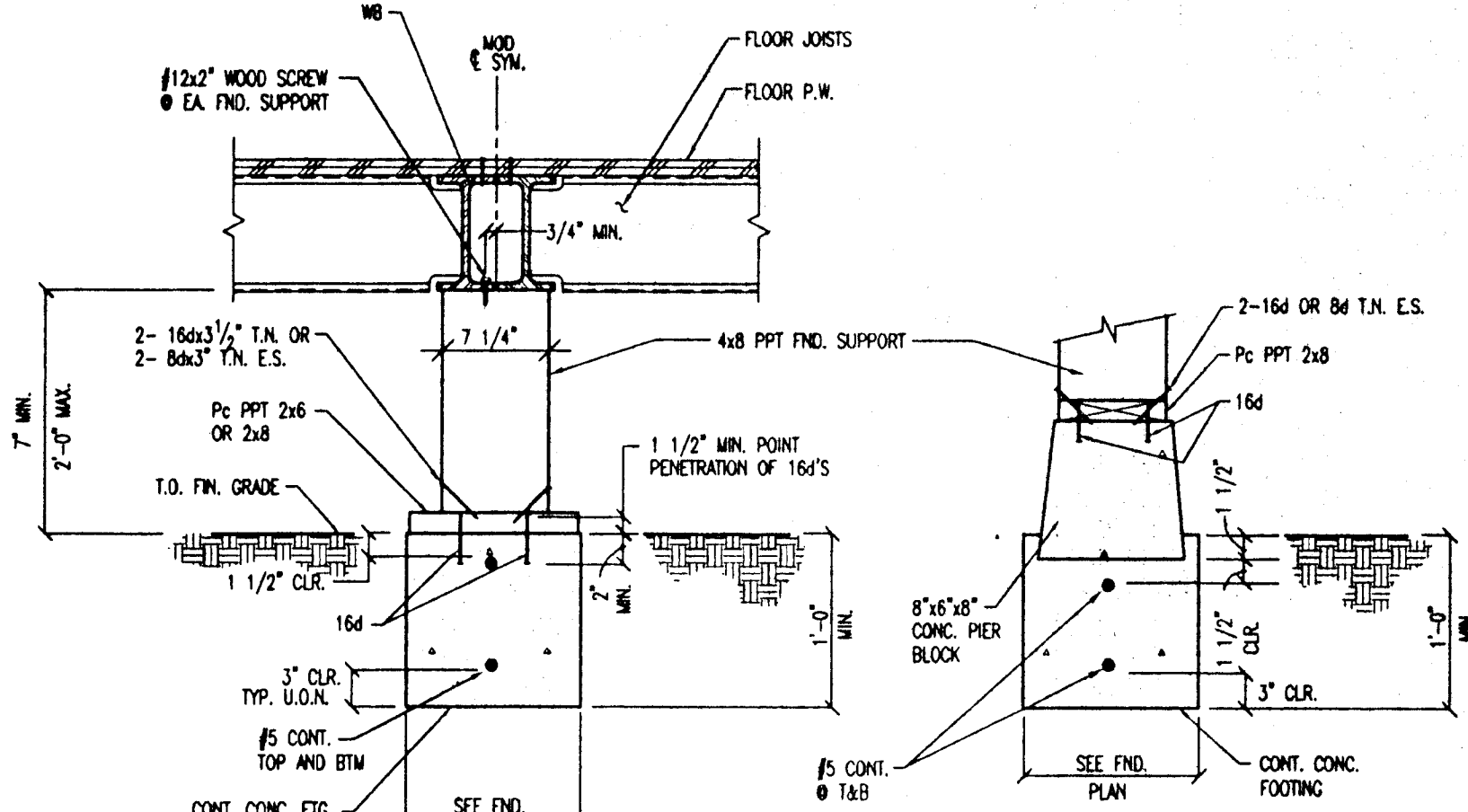
ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
10308 PLACER LANE, STE. 100, SACRAMENTO, CA 95827-2511
(916) 346-9622

DRAWN
JR
CHECKED
BD/PLS
DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPC1
SHEET

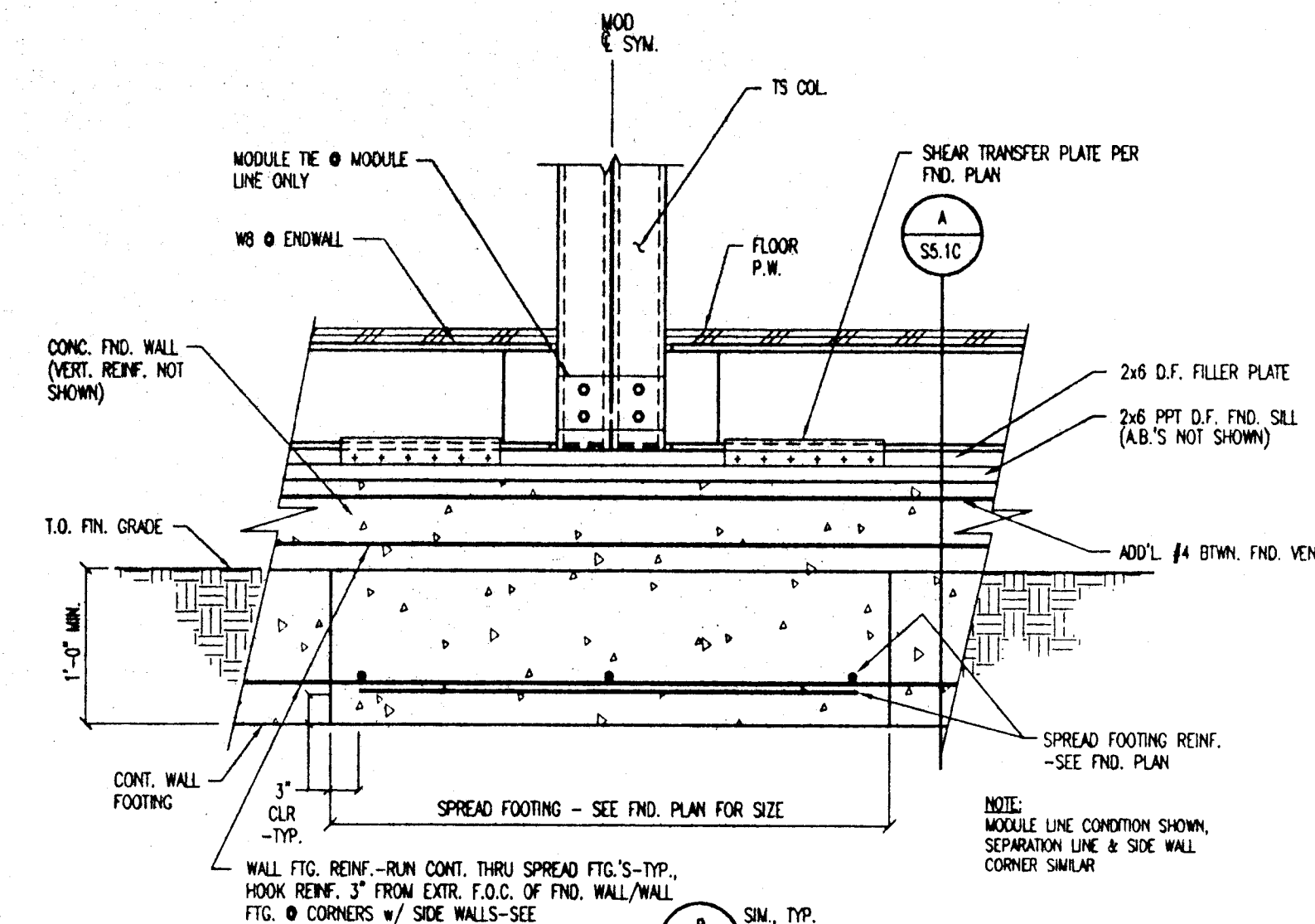
S2.4
130f 21 SHEETS



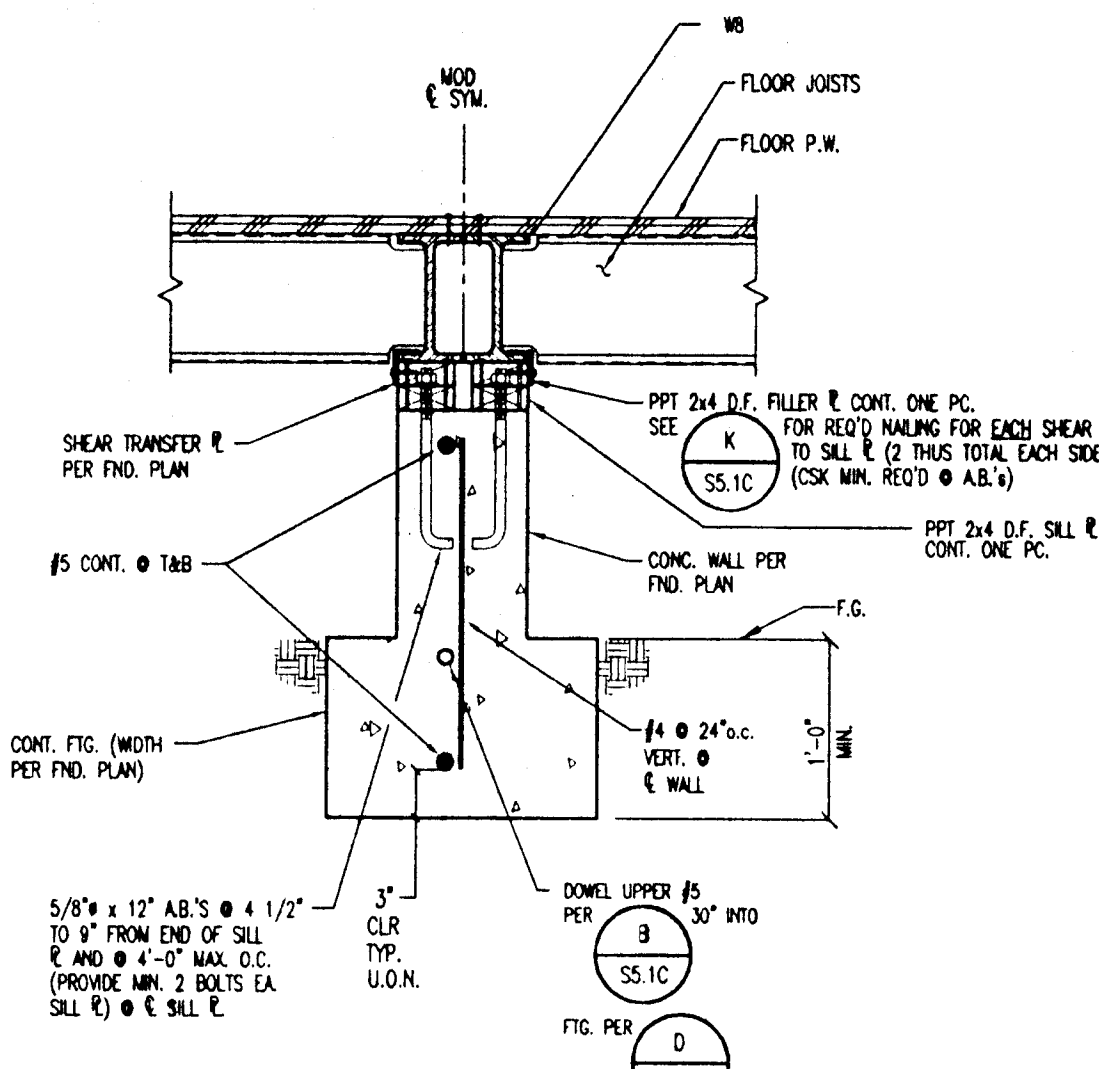
A TYP. CONT. FTG. & WALL @ SIDE & END WALLS
SS.1C



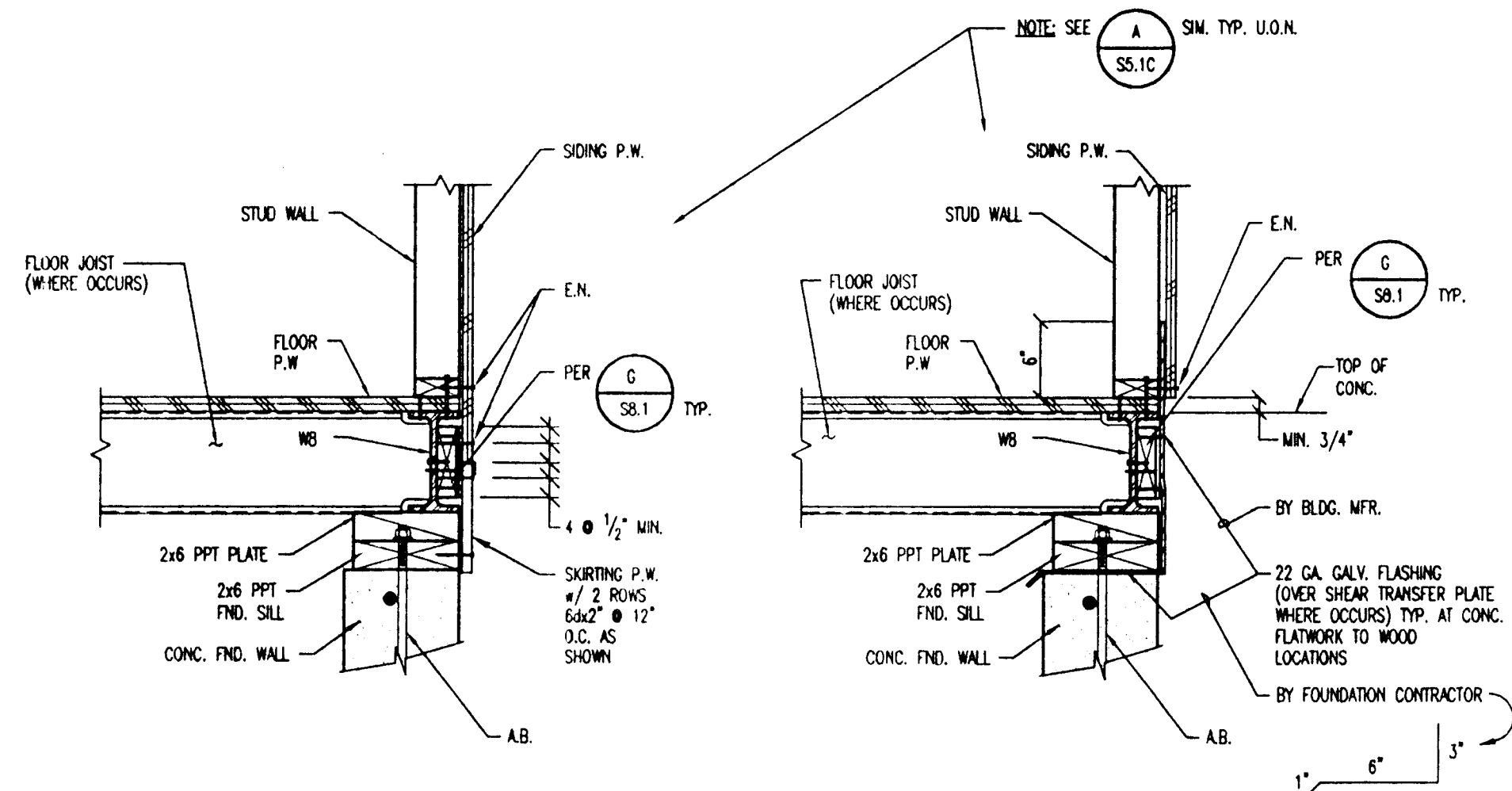
B DET.-FND. & SUPPORTS @ MOD. CENTERLINE
SS.1C



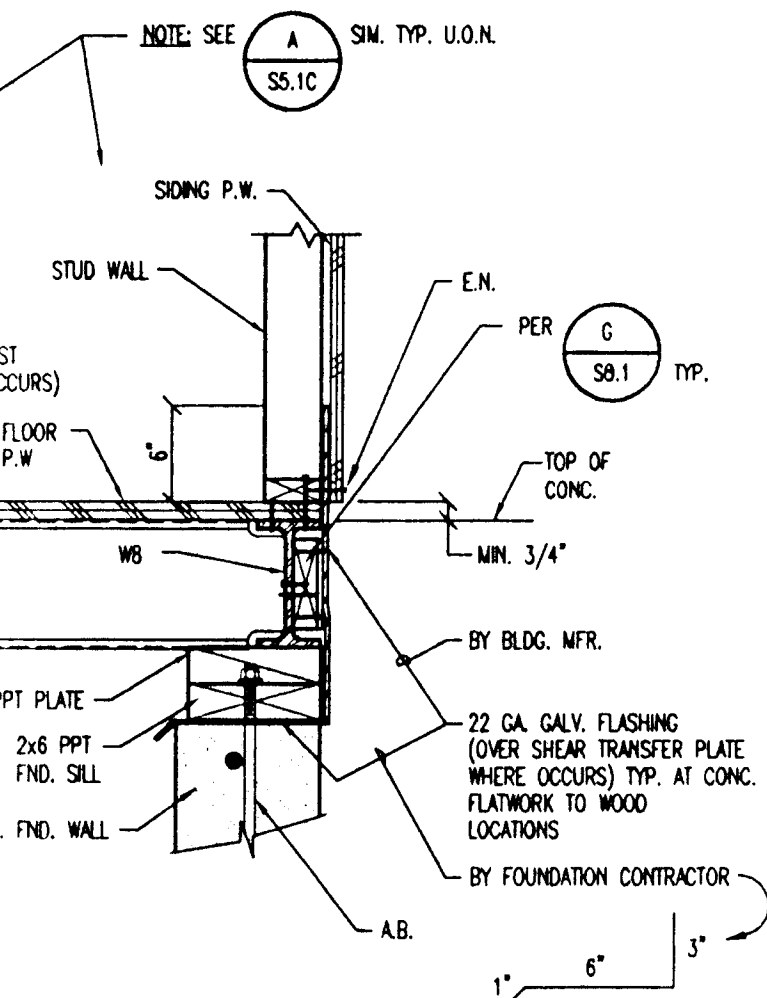
C DETAIL - SPREAD FOOTING @ END WALLS
SS.1C



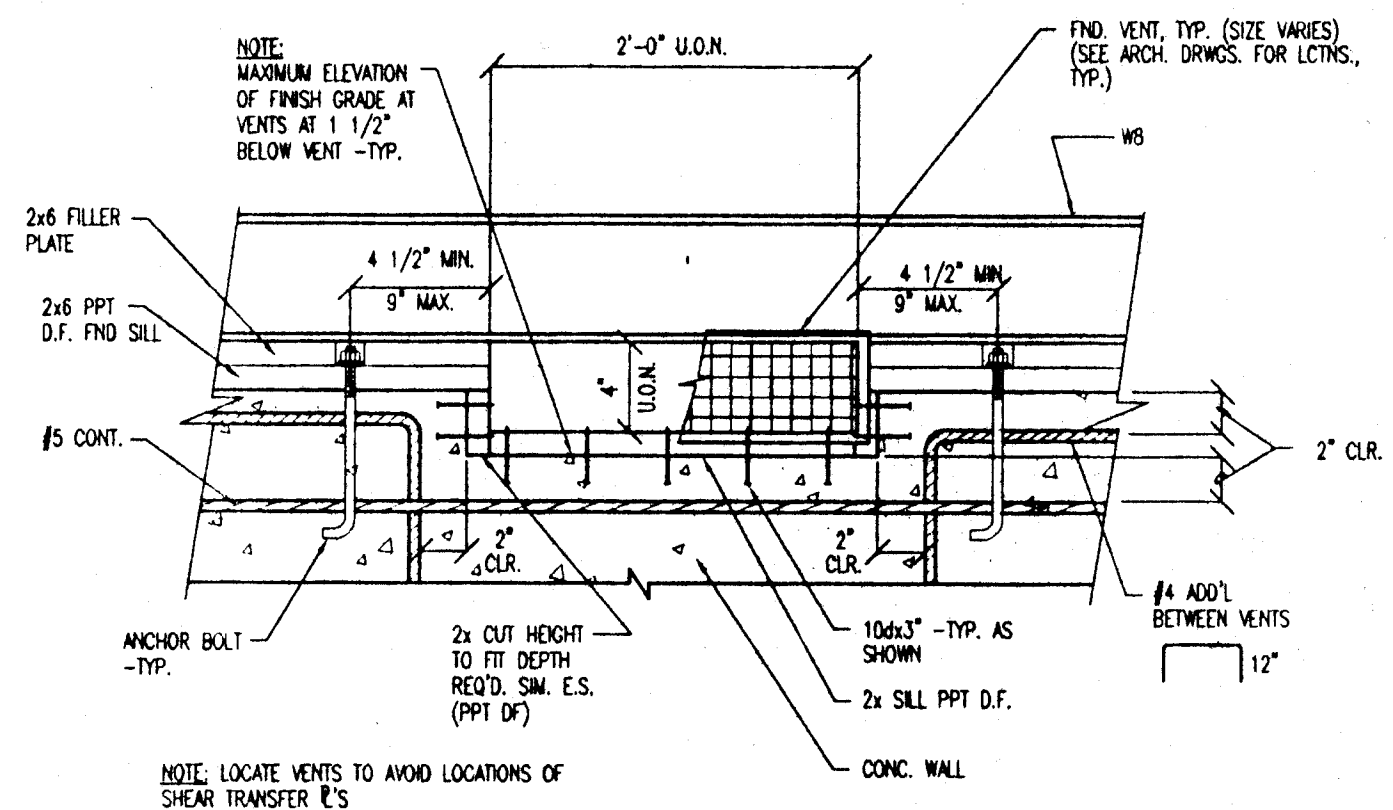
D DET.-CONC. WALL & FTG. @ MOD. LINE
SS.1C



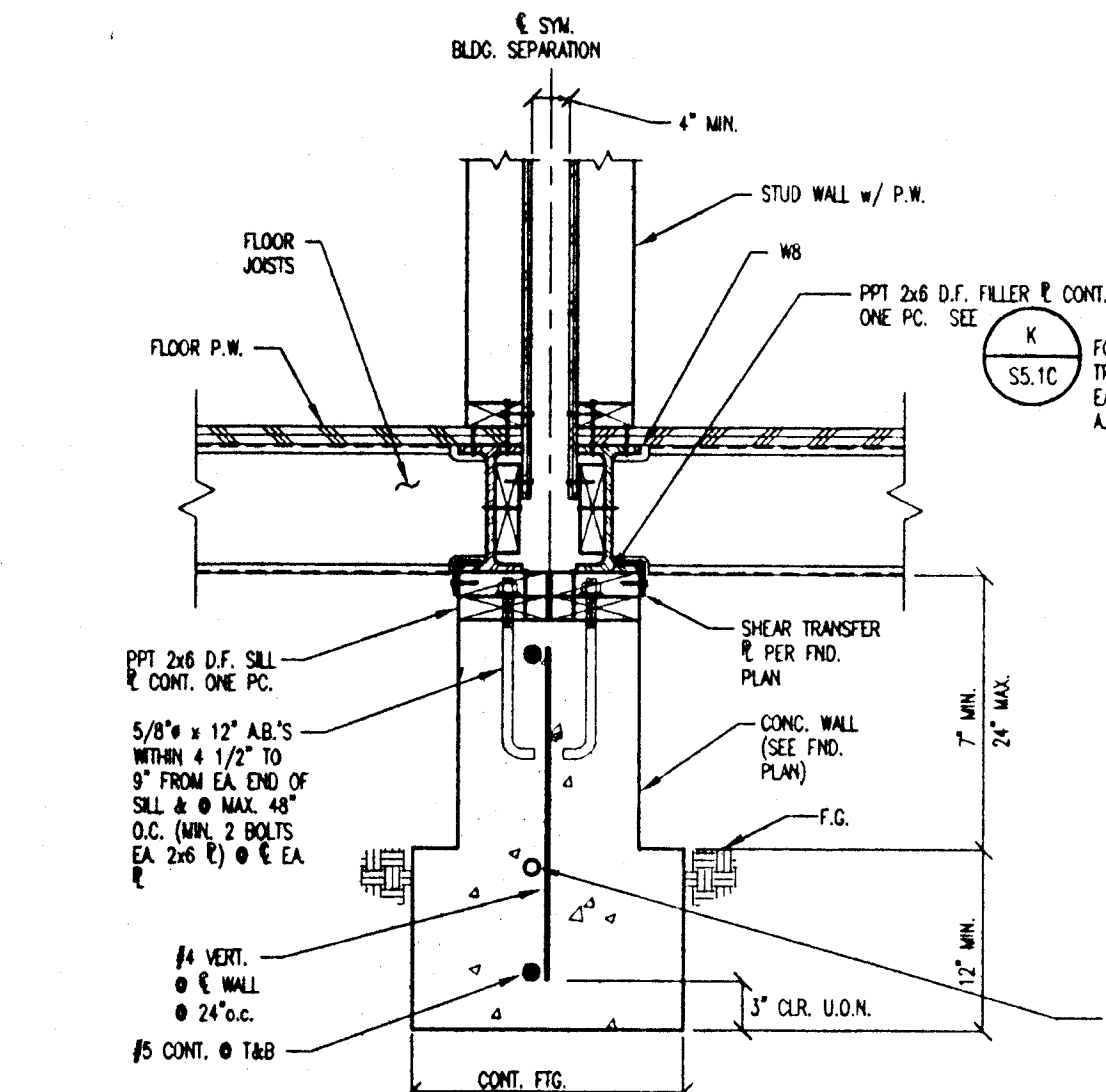
E DET.- TYPICAL SKIRTING
SS.1C



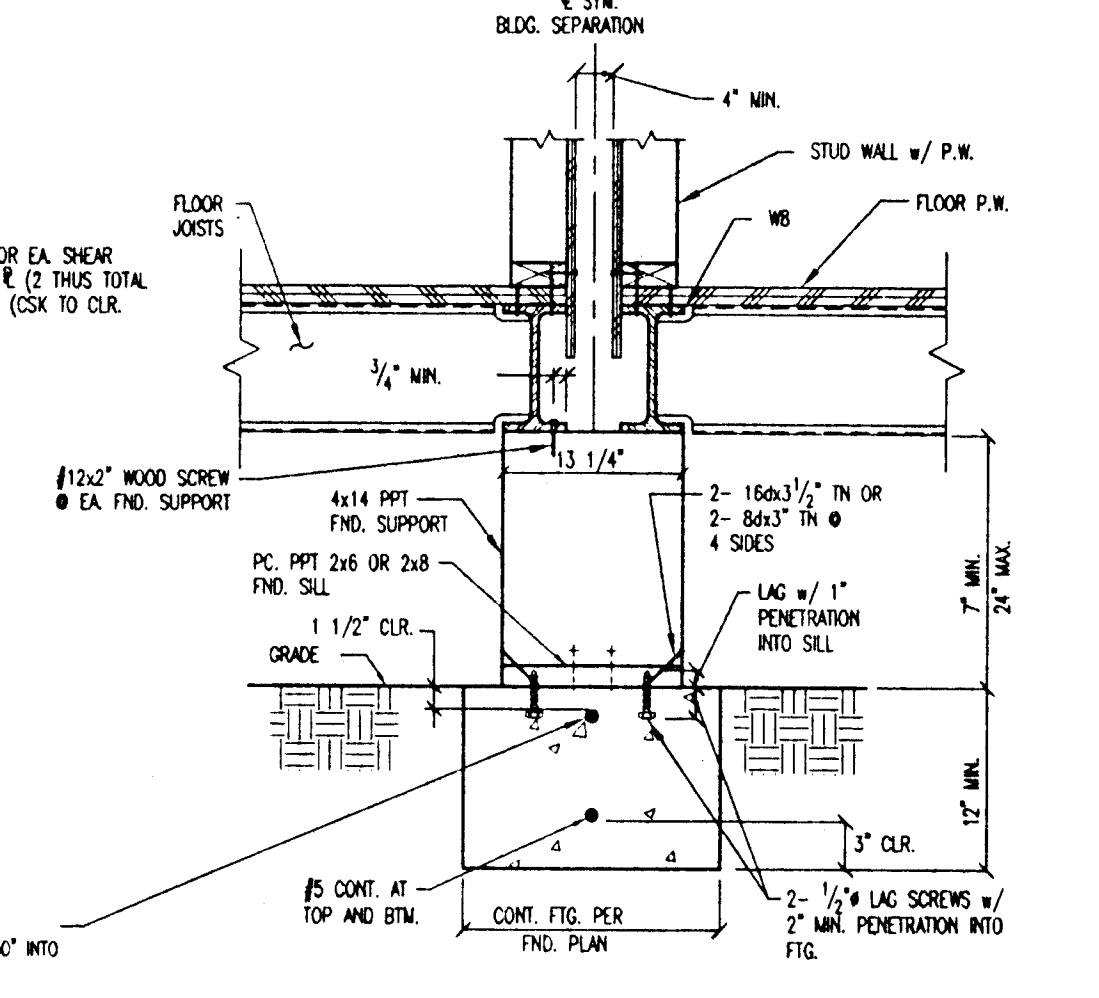
F DET.- TYPICAL FLASHING
SS.1C



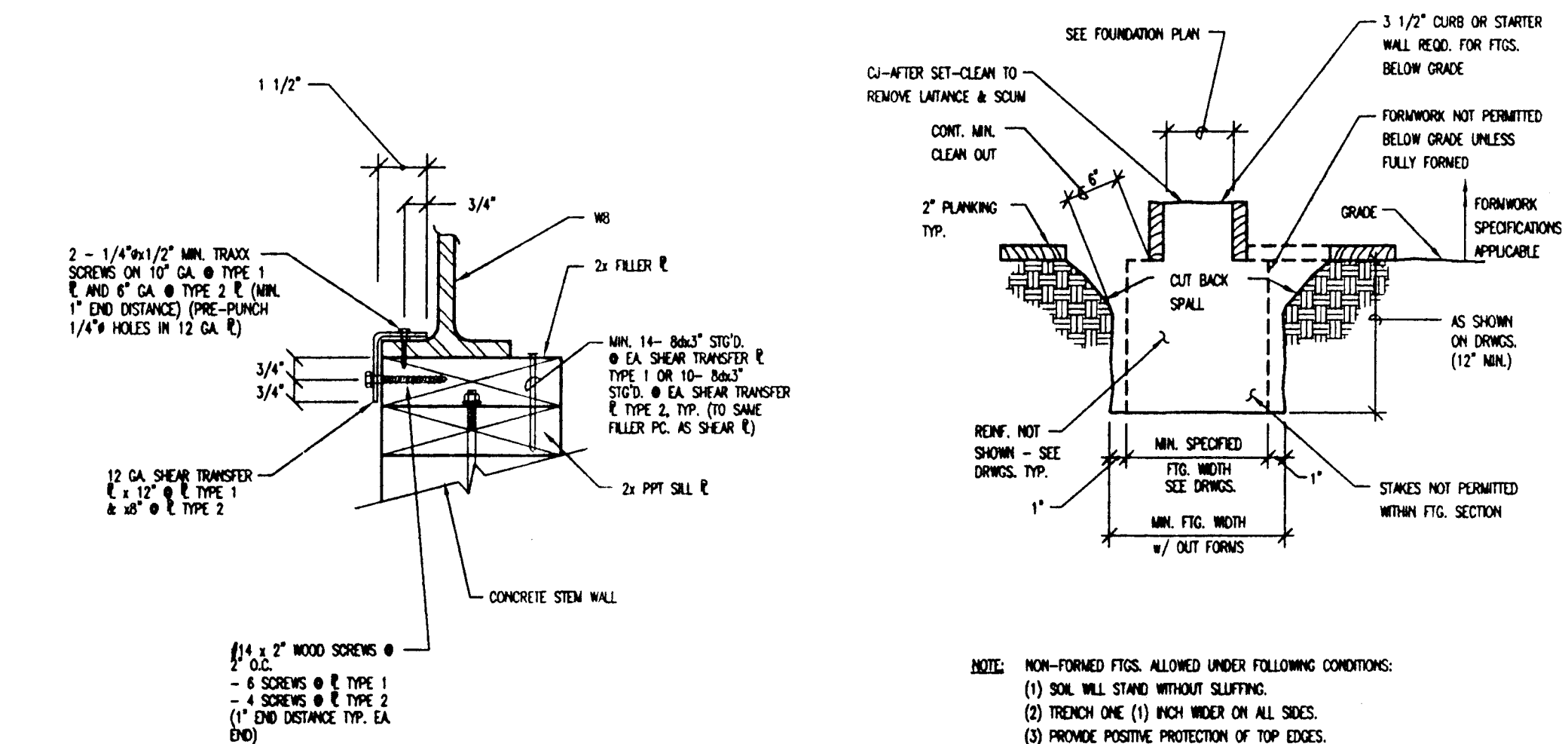
G TYP. DET.- FOUNDATION VENT
SS.1C



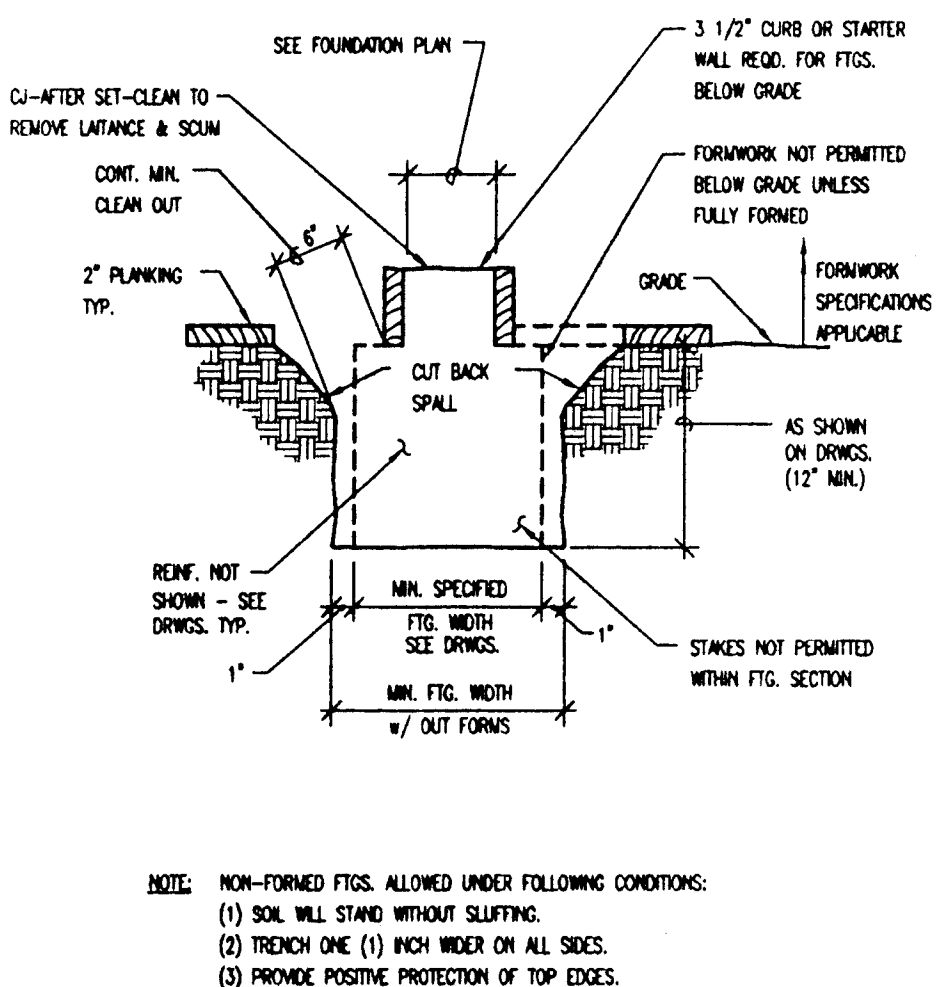
H CONC. WALL & FTG. @ BLDG. SEPARATION LINE
SS.1C



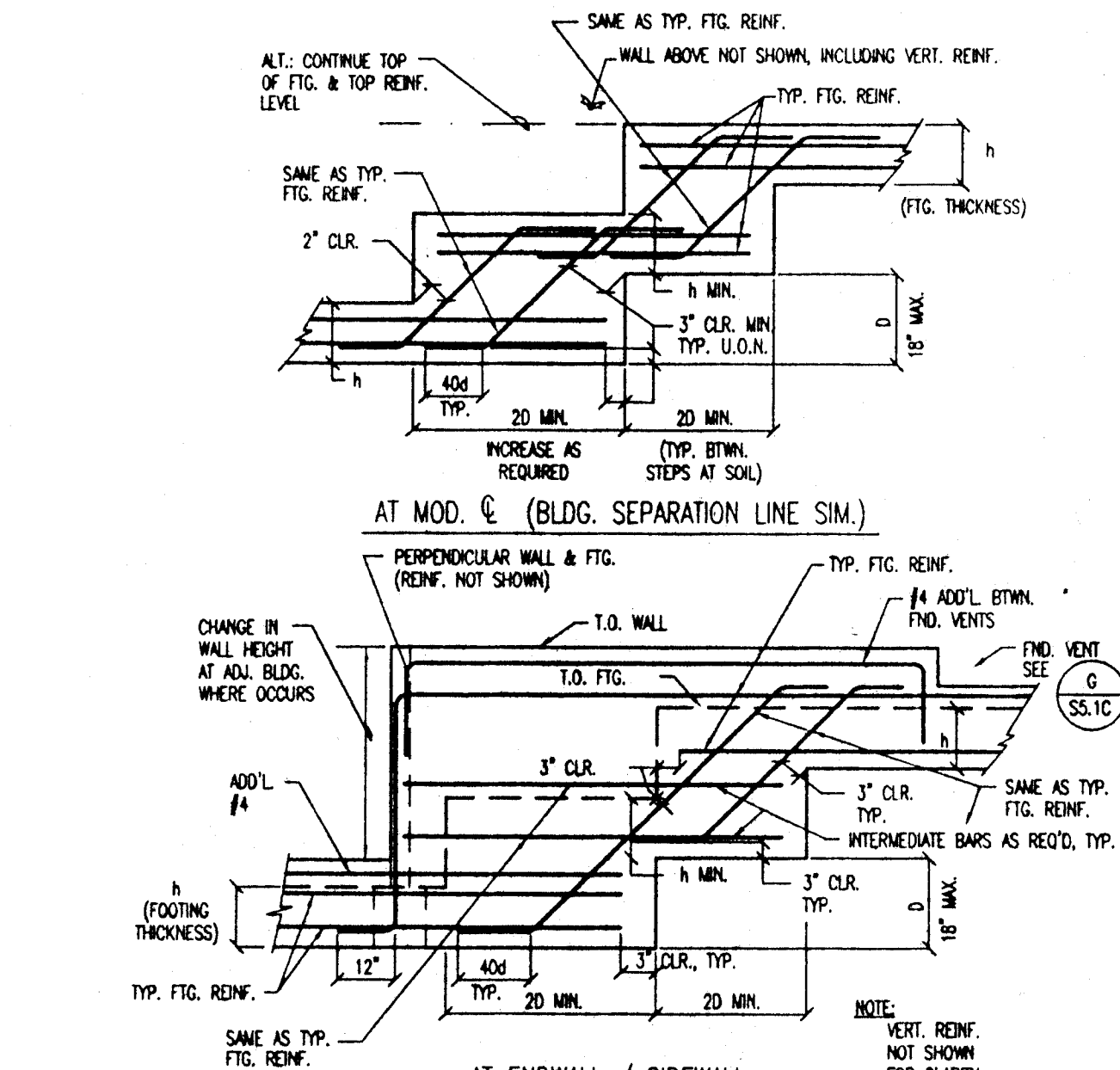
I FND. & SUPPORTS @ BLDG. SEPARATION LINE
SS.1C



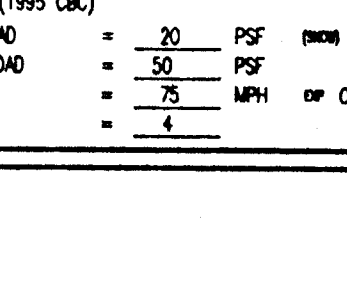
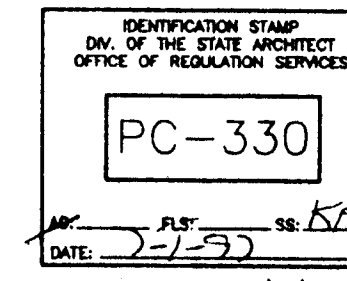
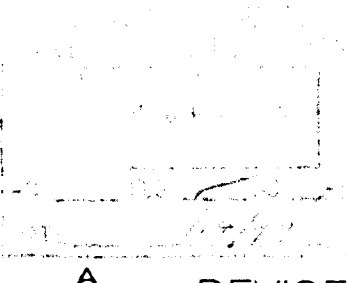
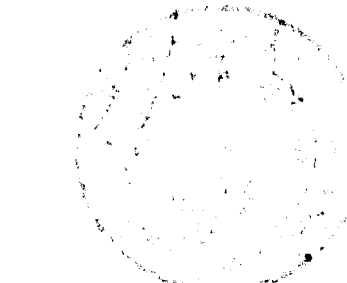
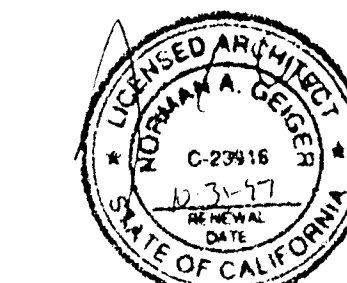
J SHEAR TRANSFER @ CONC. FND.
SS.1C



K TYP. NON-FORMED FTG. DETAIL
SS.1C



L TYP. STEP FOOTING DETAIL
SS.1C



REVISIONS	BY
5-22-97/NO CHANGE	BD
6-30-97/NO CHANGE	BD

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95333 (209) 521-1600
24x40 RELOCATABLE BUILDING
CONCRETE FOUNDATION DETAILS

REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
STRUCTURAL
STATE OF CALIFORNIA
EXPIRES 3-31-00

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
10308 PLACER LANE, STE. 100, SACRAMENTO, CA 95827-2511
(916) 366-9623

DRAWN
JR
CHECKED
BD/PLS
DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPC1
SHEET

S5.1C
14 OF 21 SHEETS

DESIGN (1995 CBO)	
ROOF LIVE LOAD	= 20 PSF (MIN)
FLOOR LIVE LOAD	= 50 PSF
WIND	= 75 MPH EX C
SEISMIC ZONE	= 4

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MOORESTOWN, CA 93533 (209) 521-1600

24x40 RELOCATABLE BUILDING

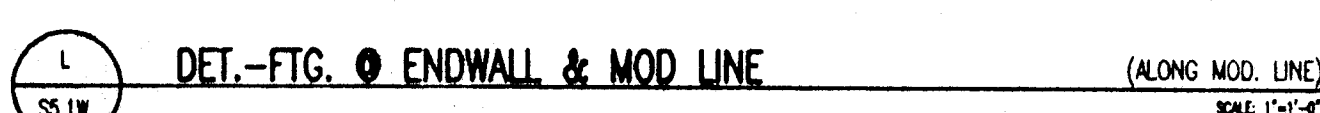
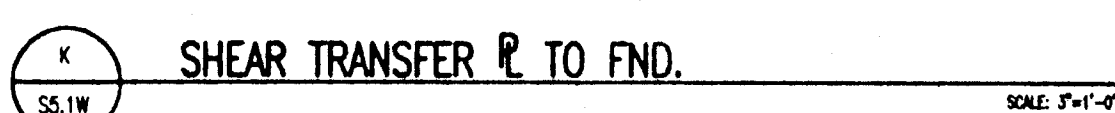
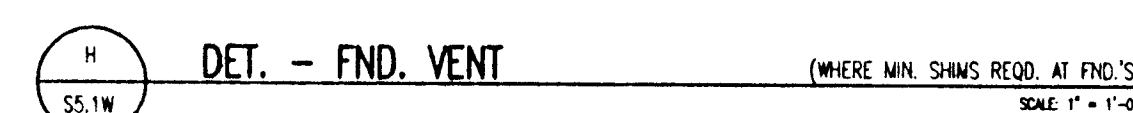
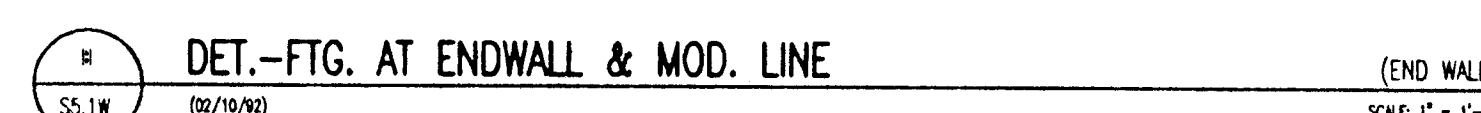
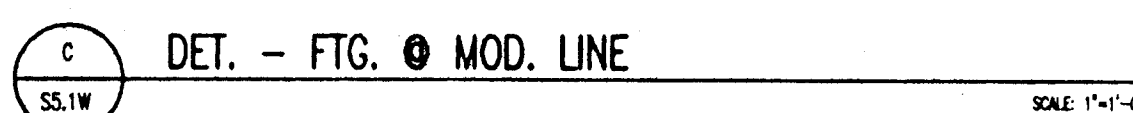
WOOD · FOUNDATION · DETAILS

24x40 RELOCATABLE BUILDING

WOOD · FOUNDATION DETAILS

DRAWN
JR
CHECKED
BD/PLS
DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPC1
SHEET

15 OF 21 SHEETS

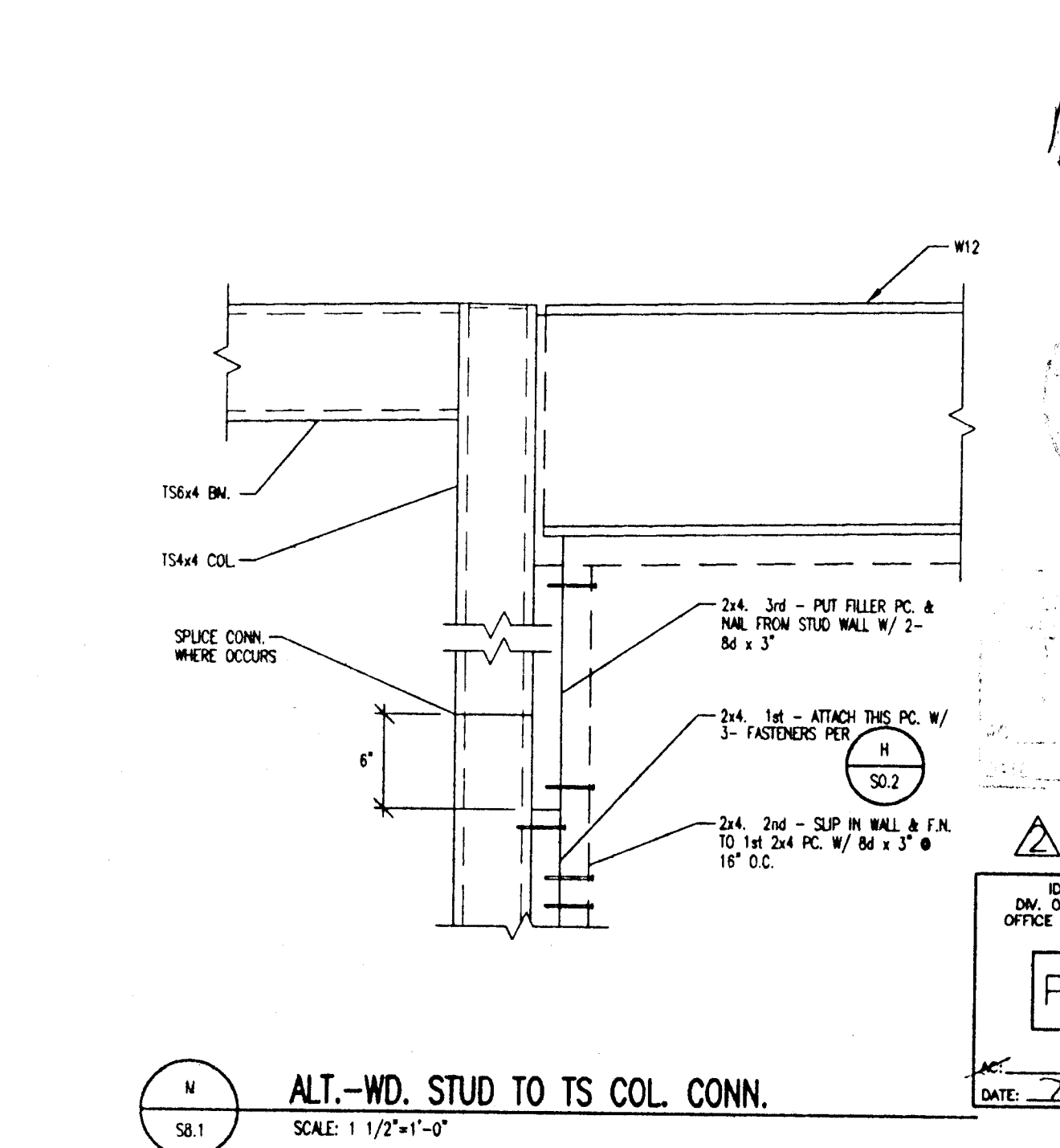
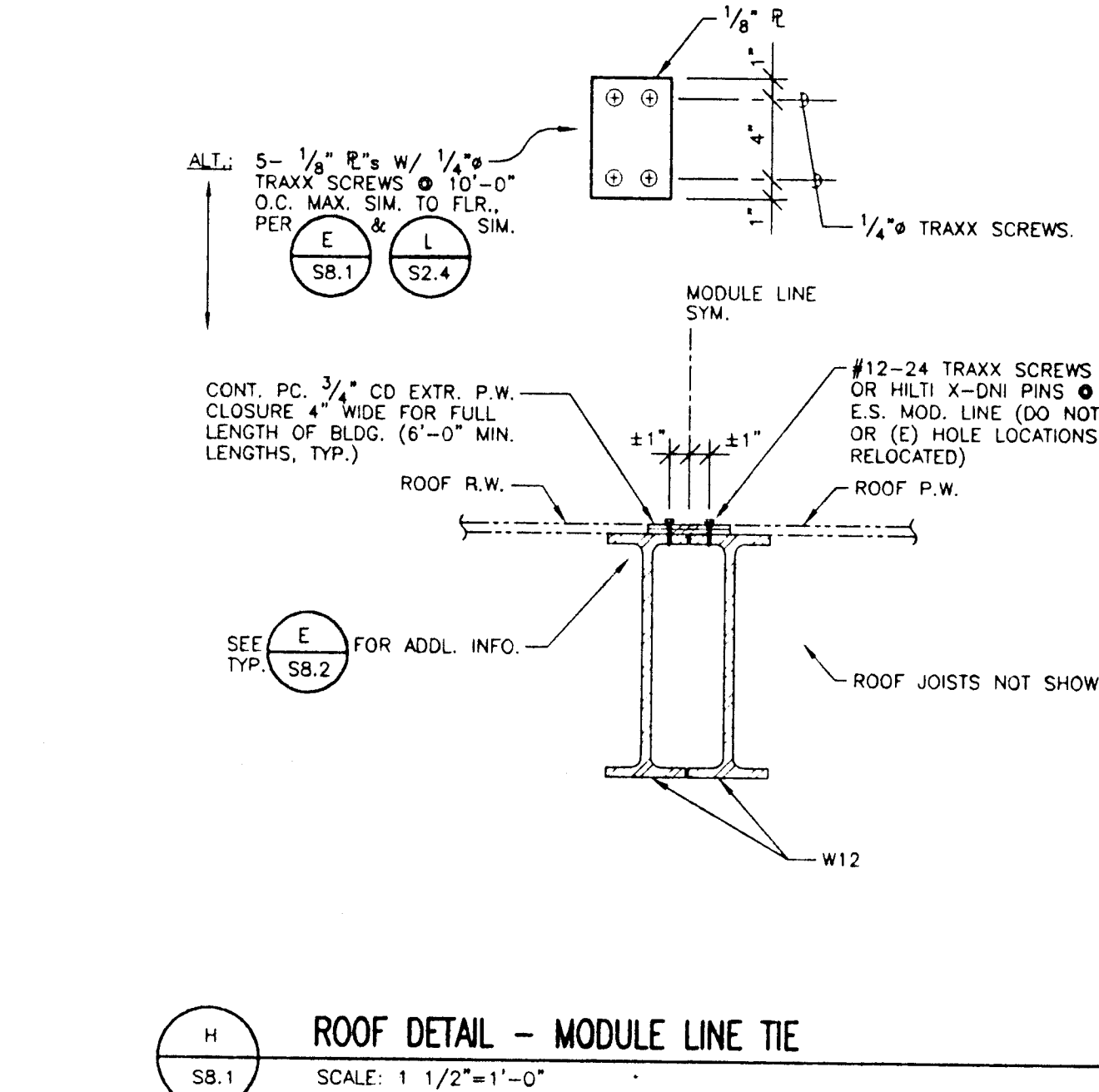
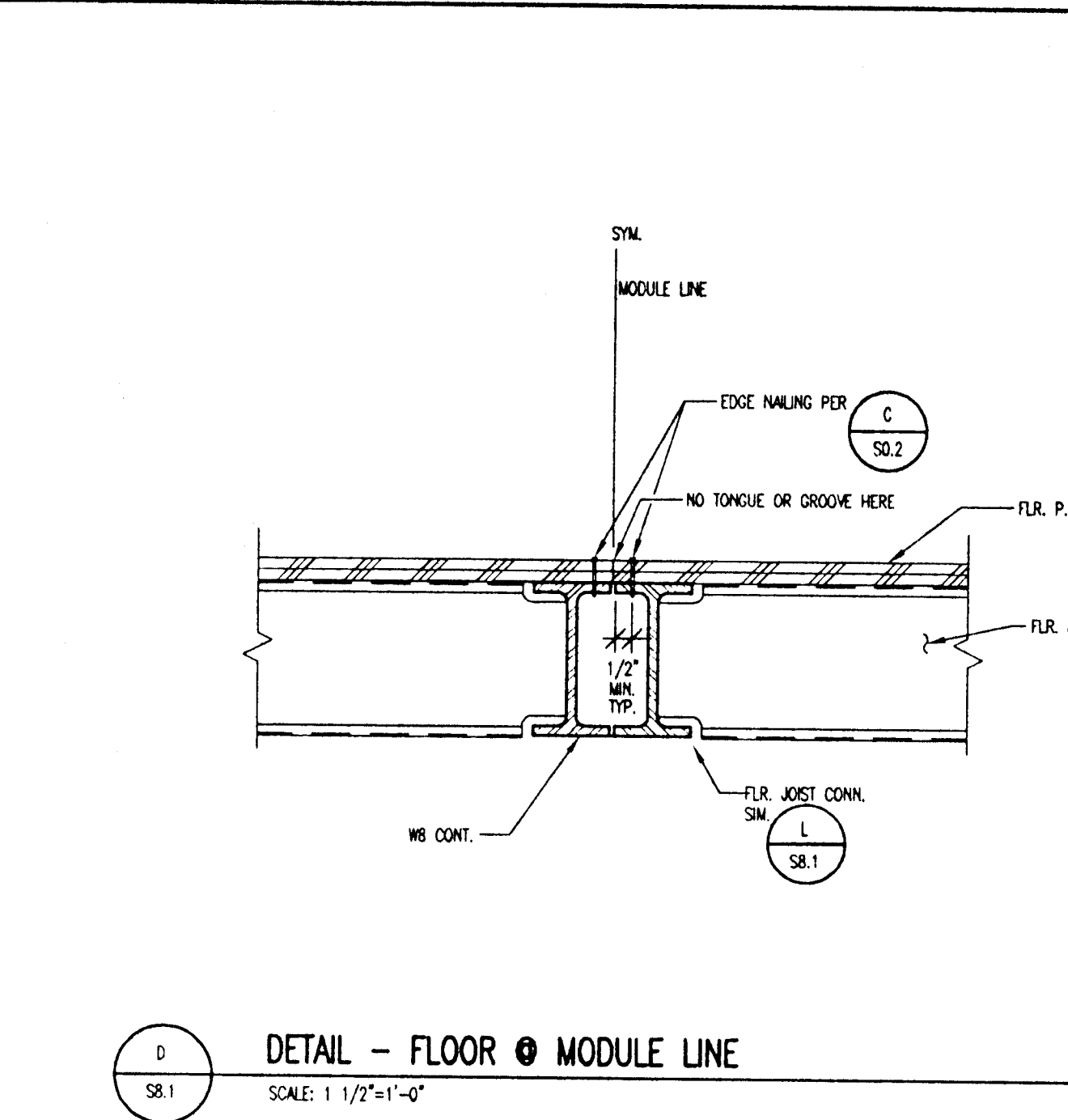
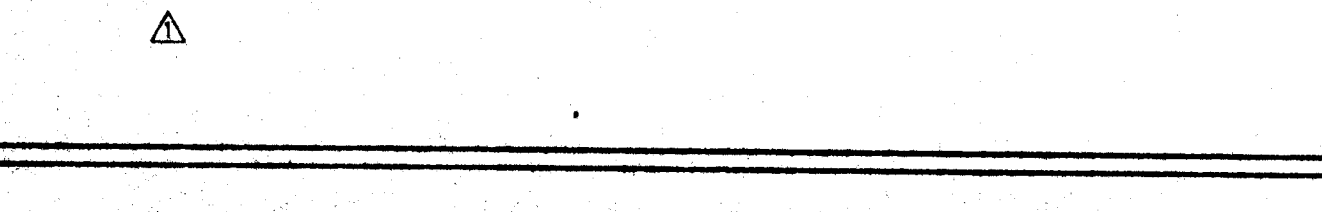
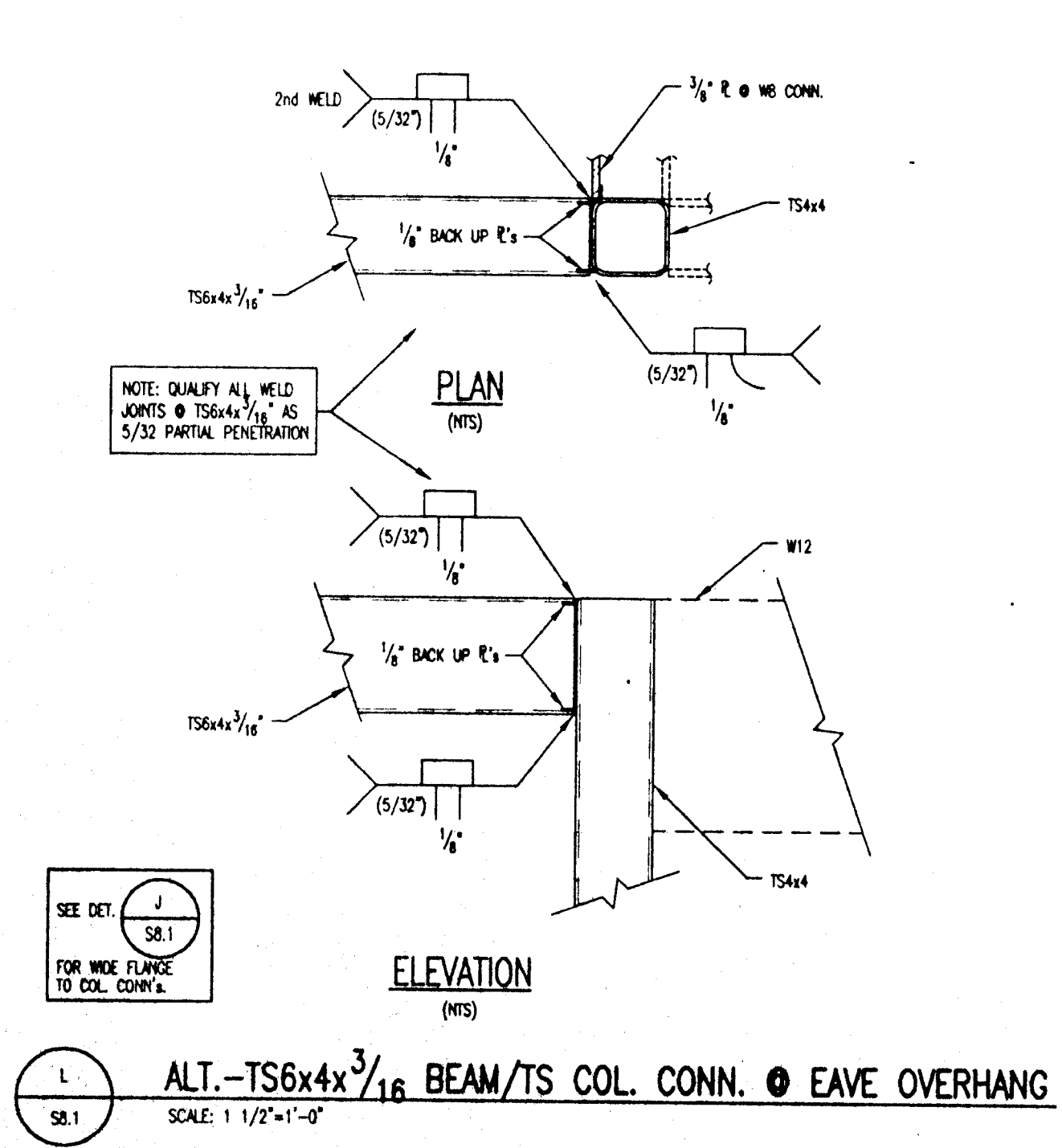
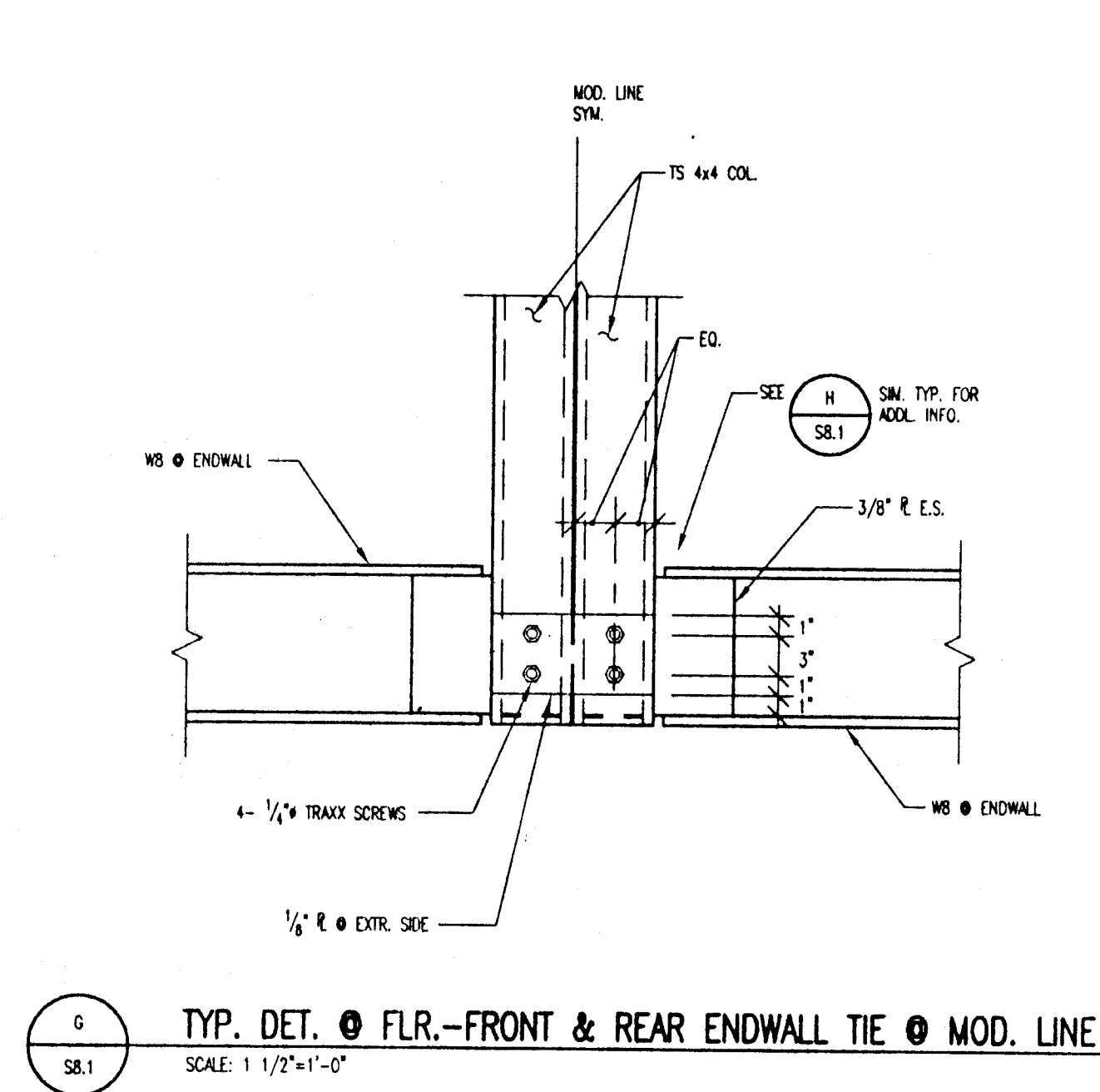
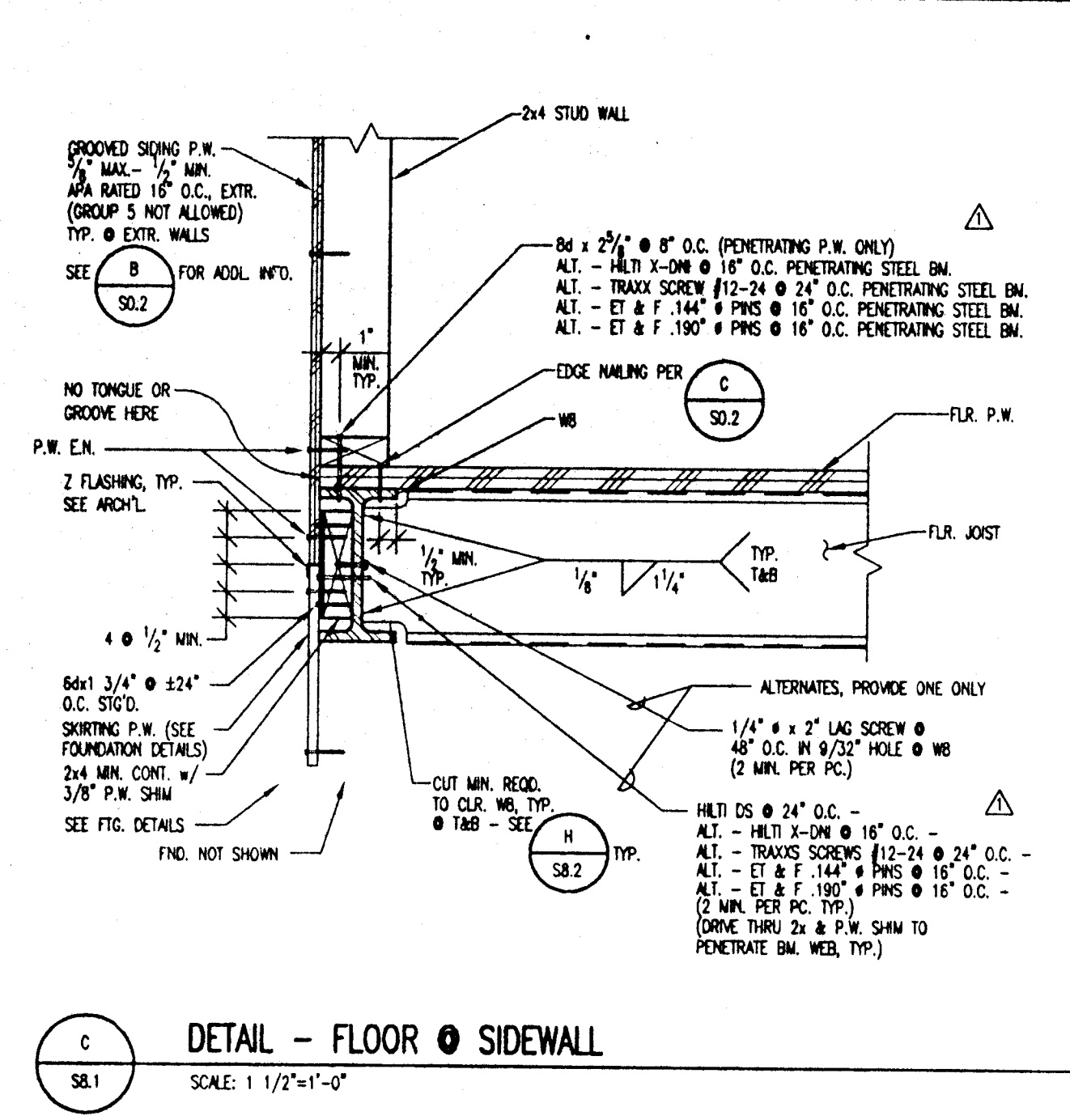
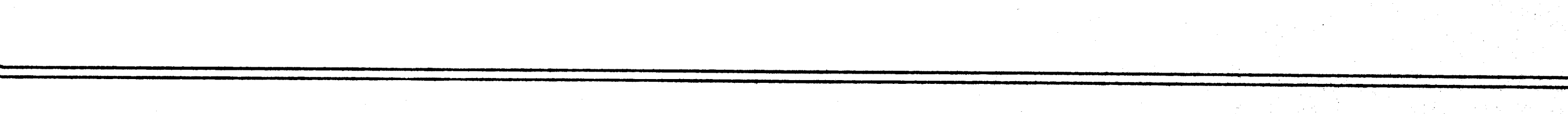
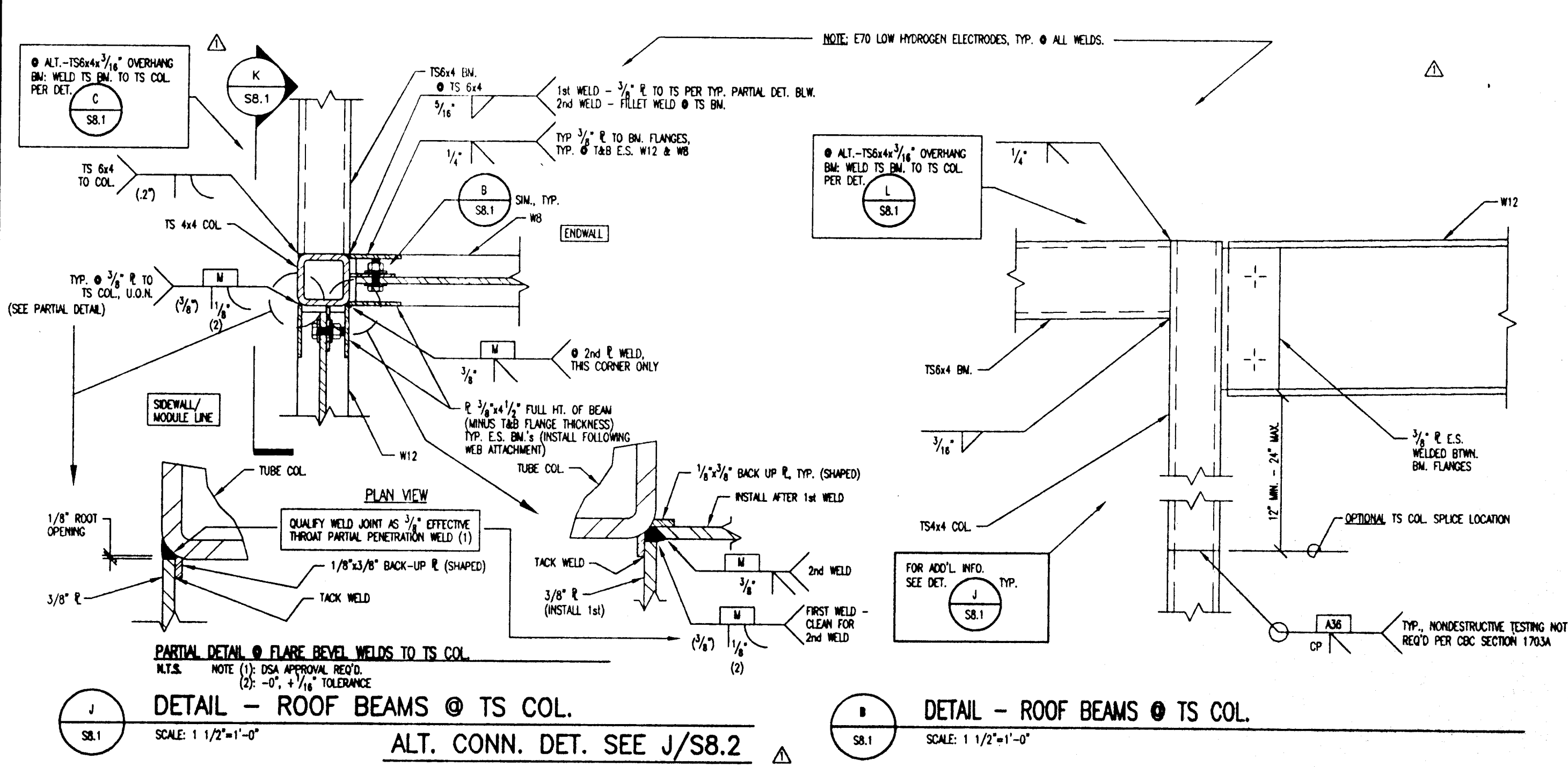
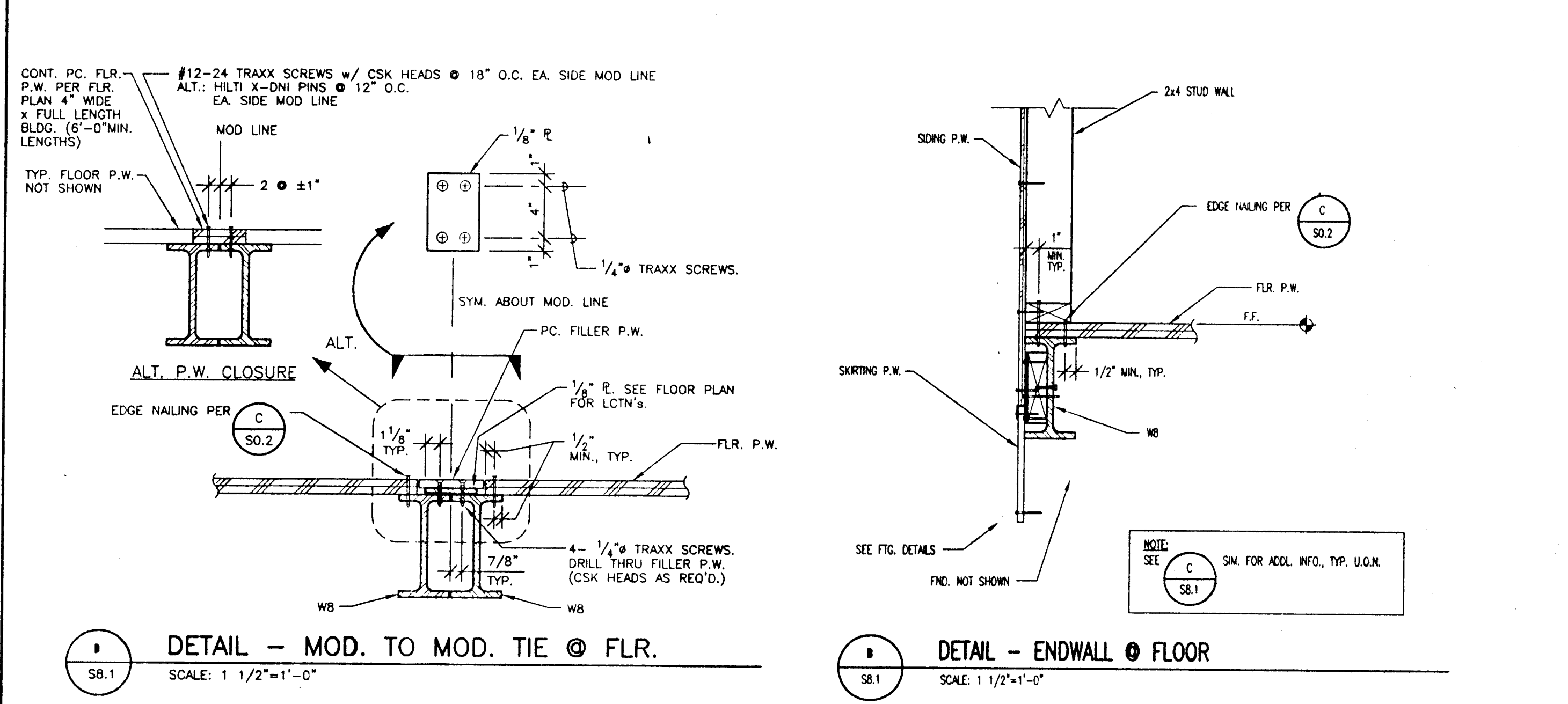
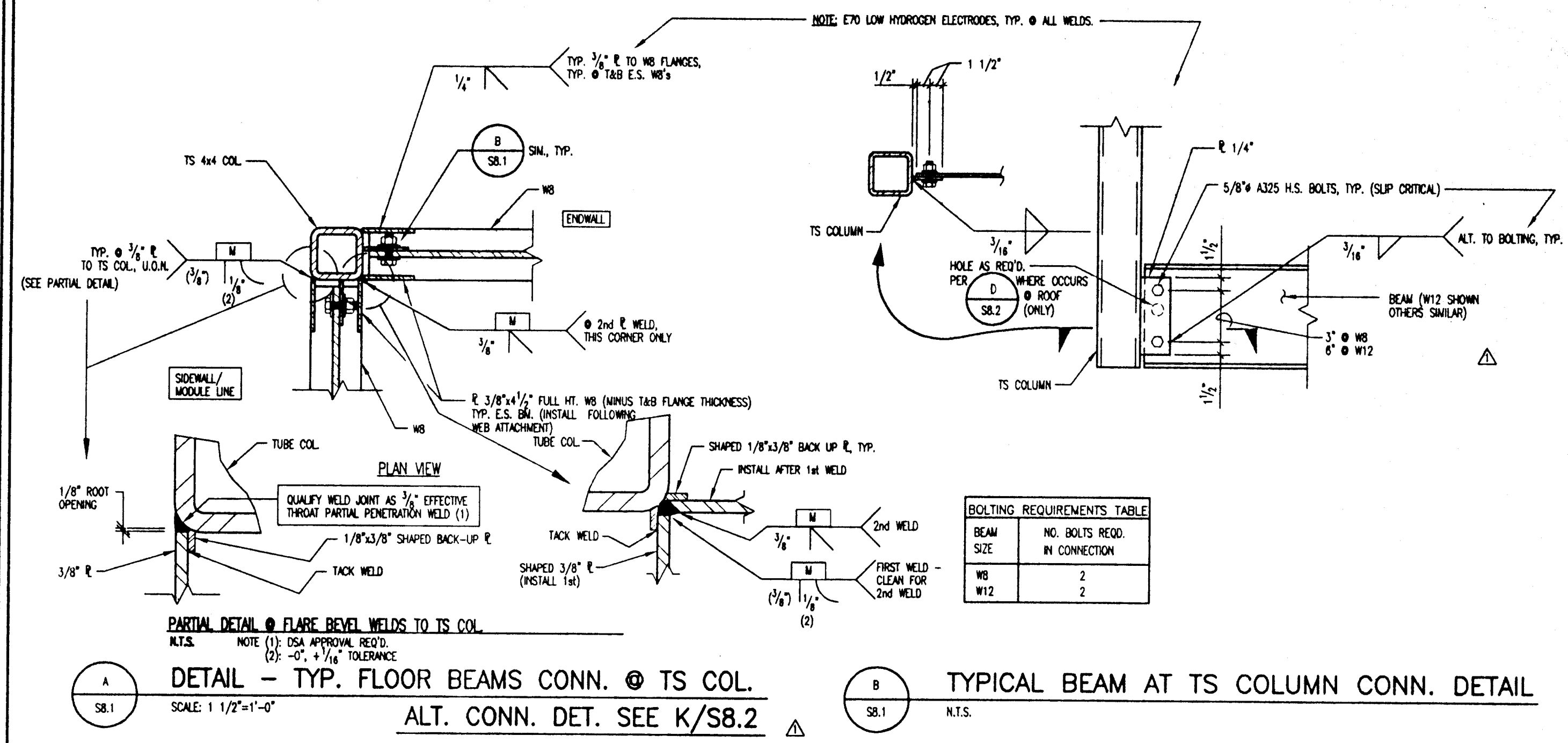


IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

PC-330

AC: _____ PS: _____ SS: KA
DATE: 2-1-97

DESIGN (1995 CBC)			
ROOF LIVE LOAD	=	20	PSF
FLOOR LIVE LOAD	=	50	PSF
WIND	=	75	MPH
SEISMIC ZONE	=	4	



REVISIONS

NO.	DATE	BY
1	5-22-97	BD
2	6-30-97	NO CHANGE

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95333 (209) 521-1800

24x40 RELOCATABLE BUILDING

ROOF & FLOOR DETAILS

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
10308 TRACER LANE, STE 100, SACRAMENTO, CA 95827
(916) 346-9622

REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
EXPIRES 3-31-00

DESIGN (1995 CBC)

ITEM	VALUE	UNIT
ROOF LIVE LOAD	20	PSF
FLOOR LIVE LOAD	50	PSF
WIND	75	MPH
SEISMIC ZONE	4	

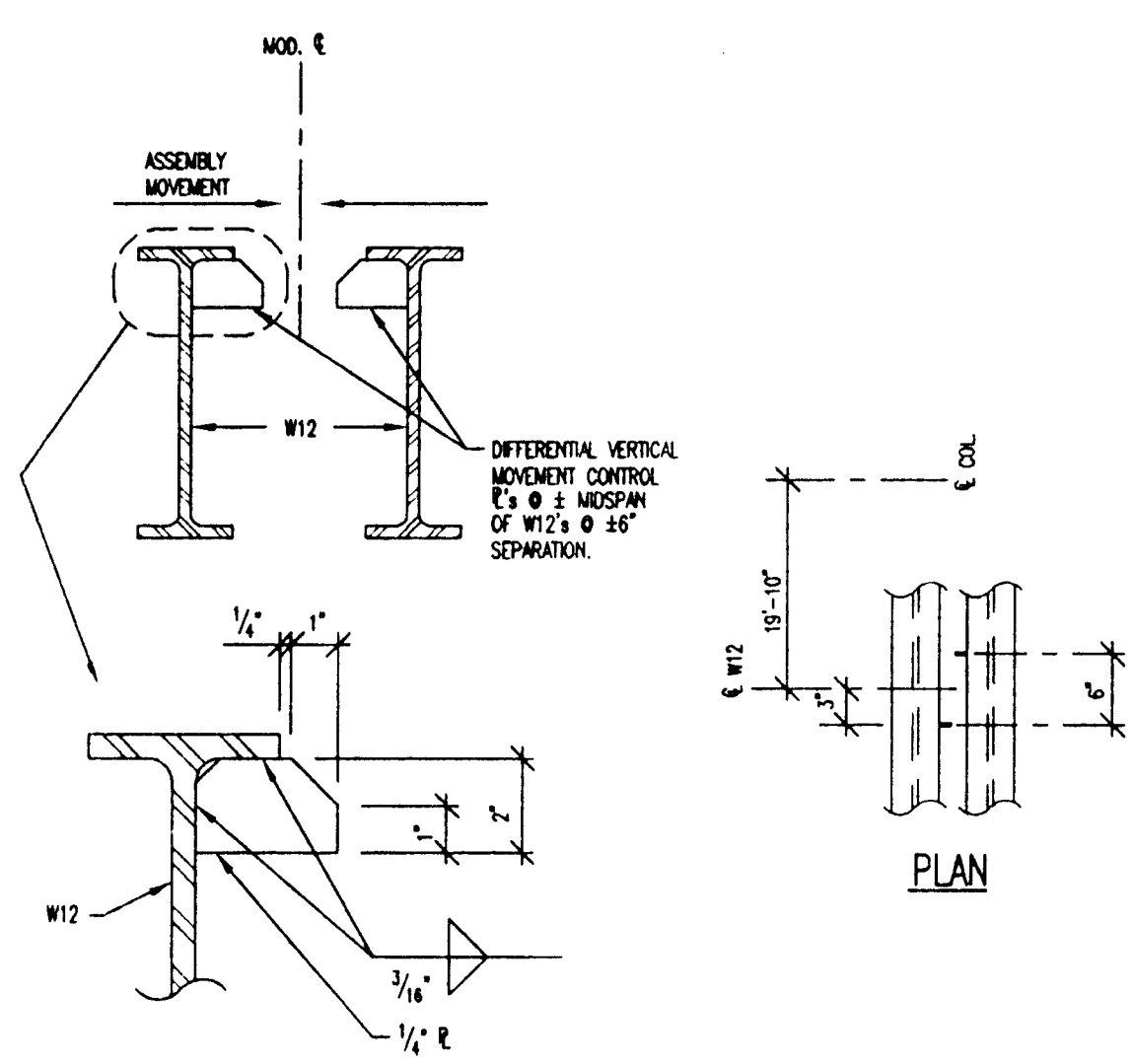
PC-330

DATE: 7-1-97

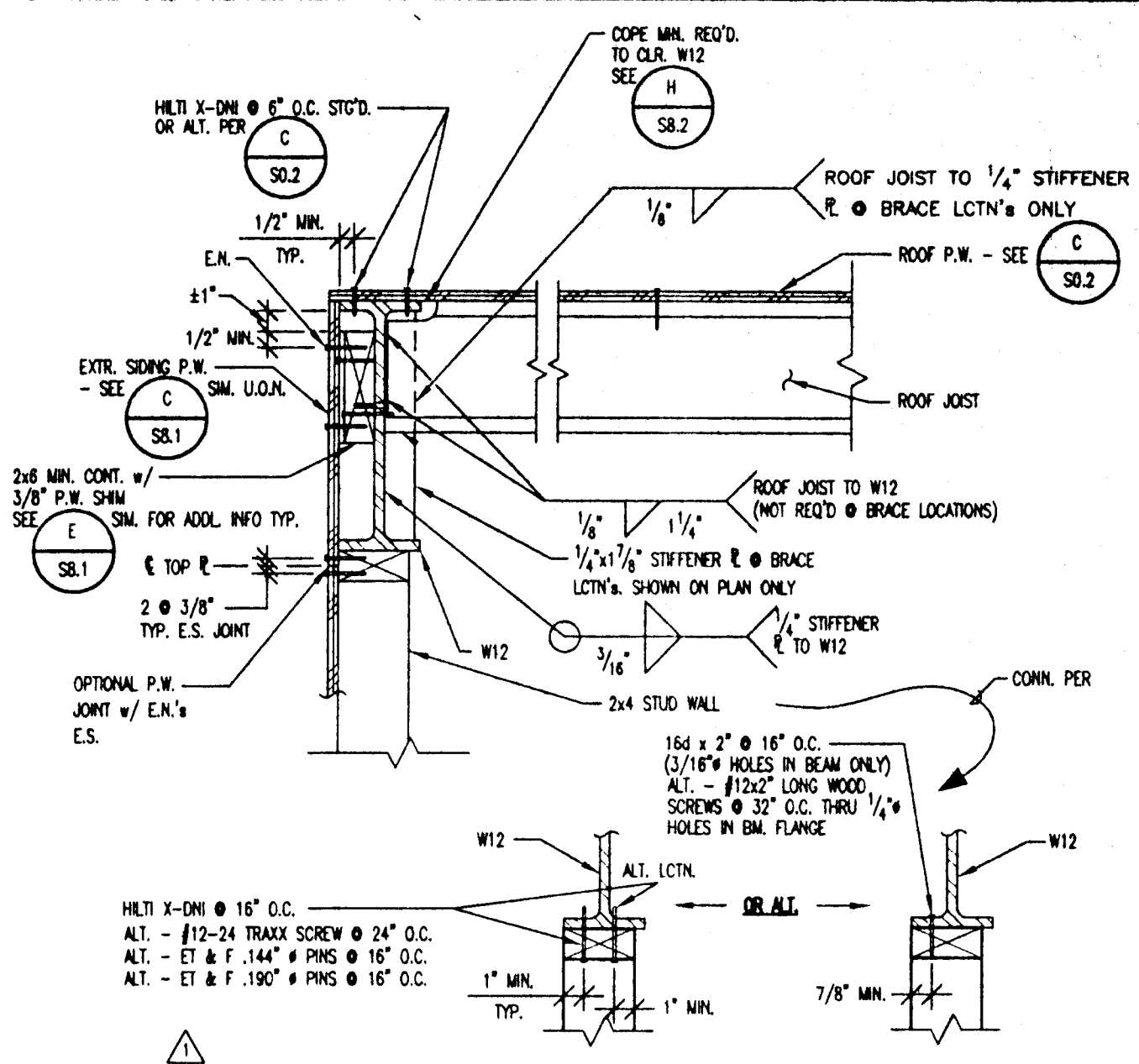
DRWN
JR
CHECKED
BD/PLS
DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPC1
SHEET

S8.1

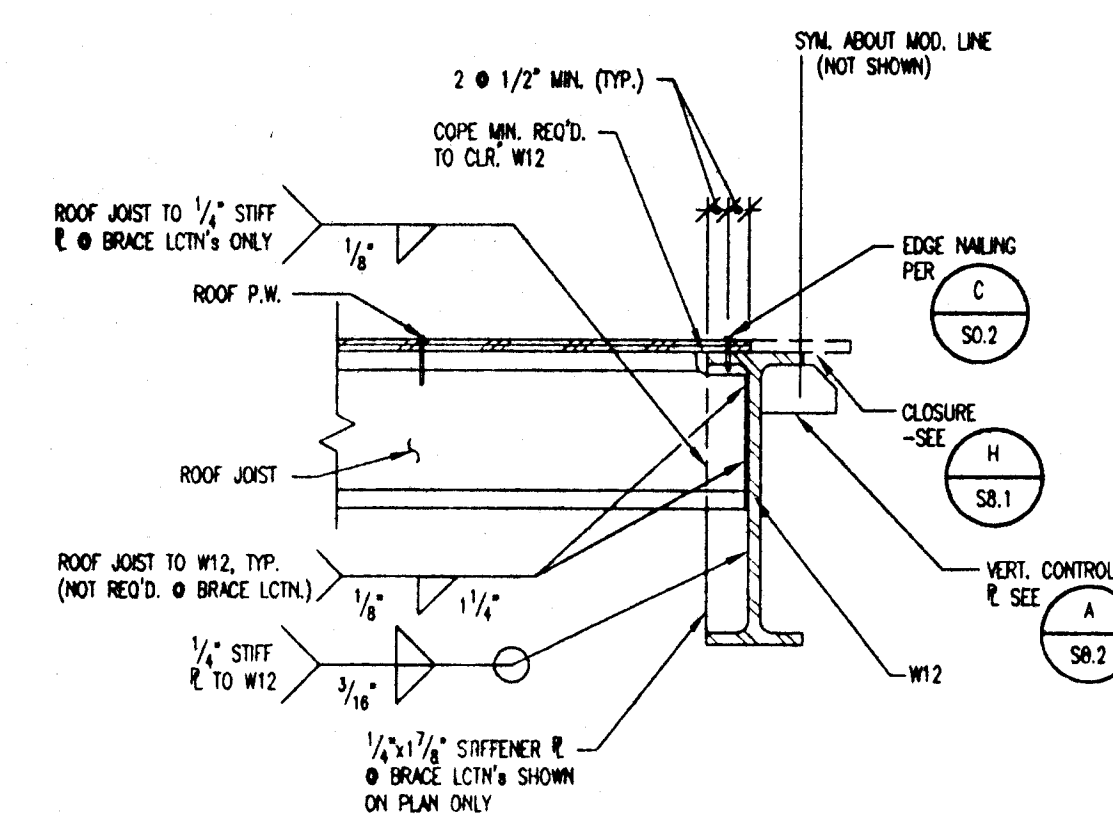
1 of 2 SHEETS



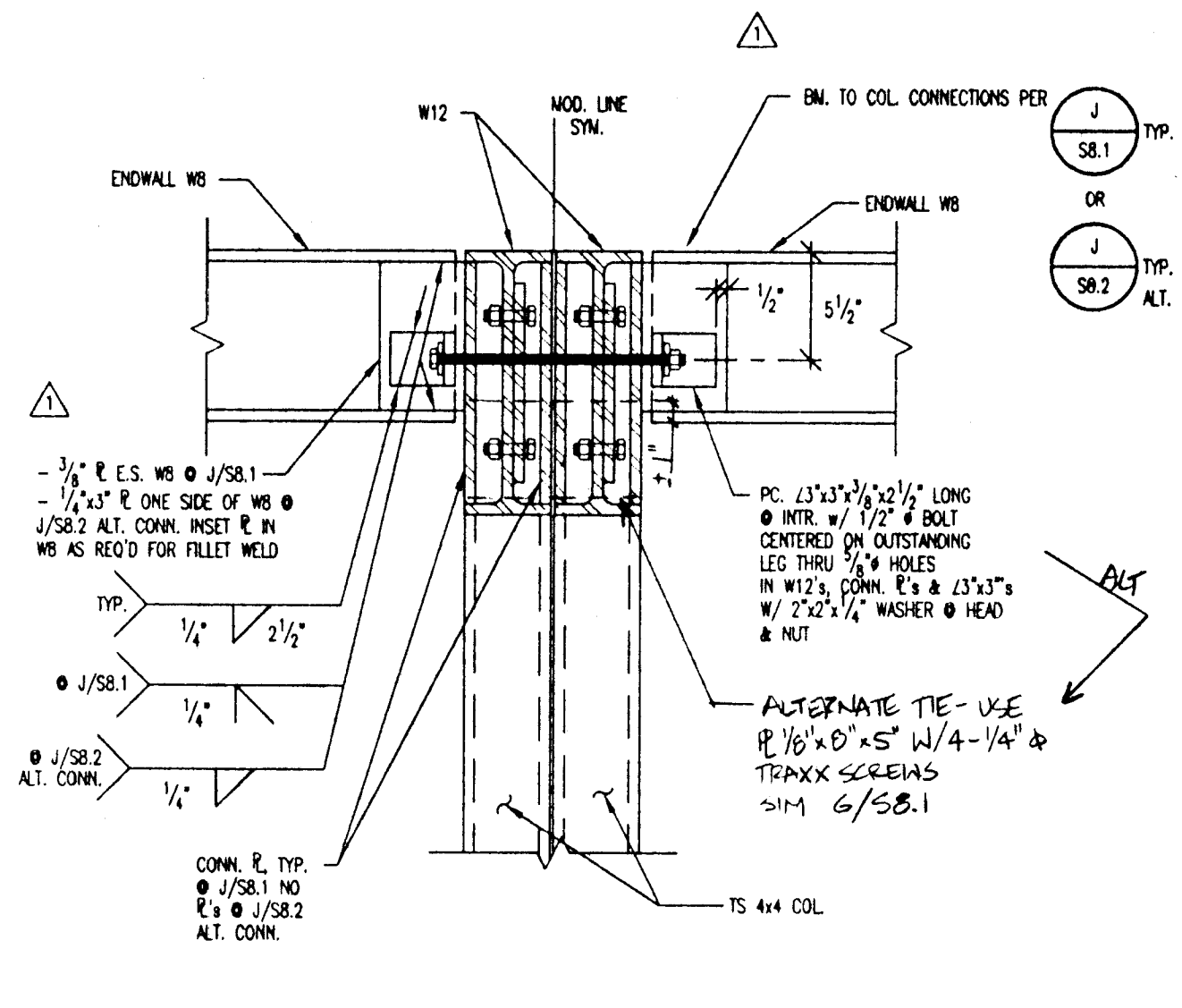
A ROOF DETAIL - MODULE LINE BM's VERTICAL CONTROL R's
SCALE: 1 1/2"=1'-0"



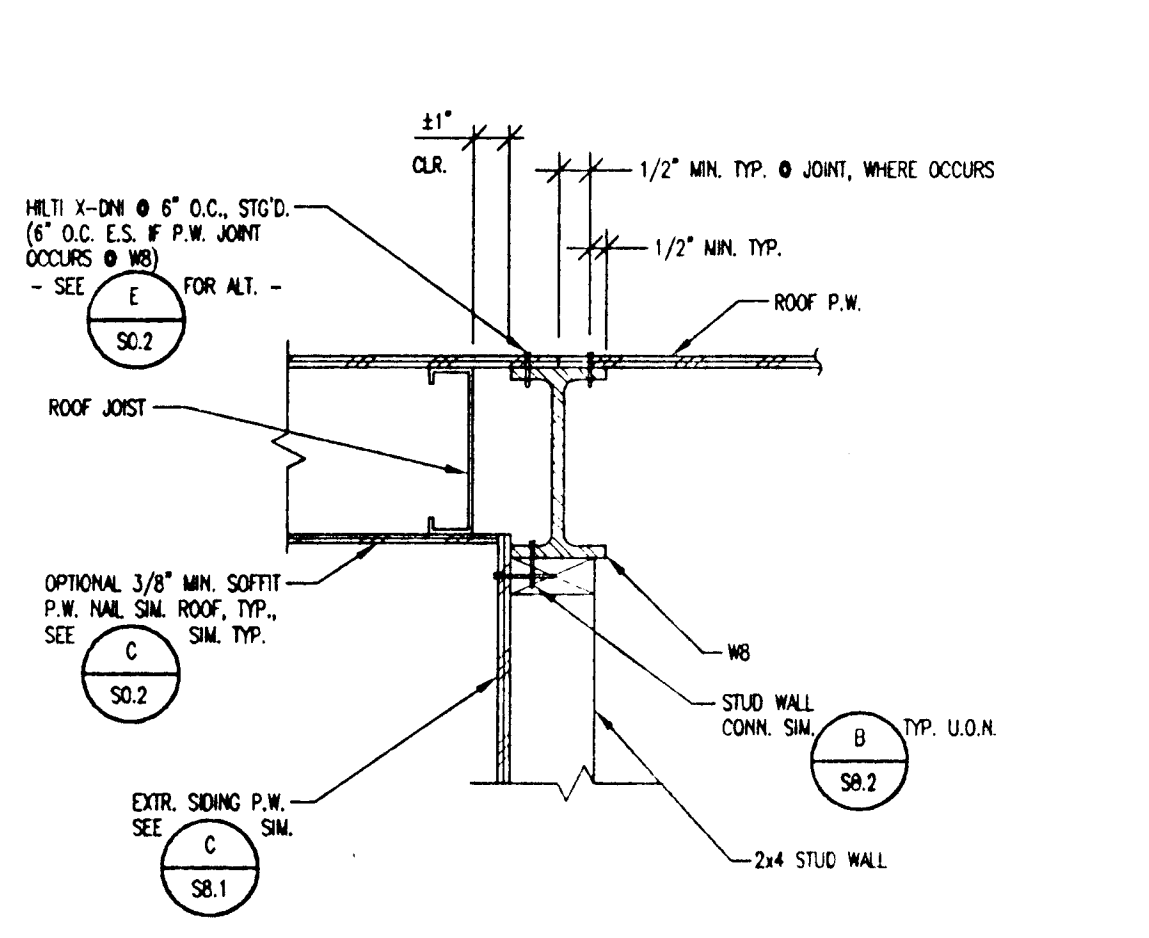
B ROOF DETAIL - TYP. SIDEWALL
SCALE: 1 1/2"=1'-0"



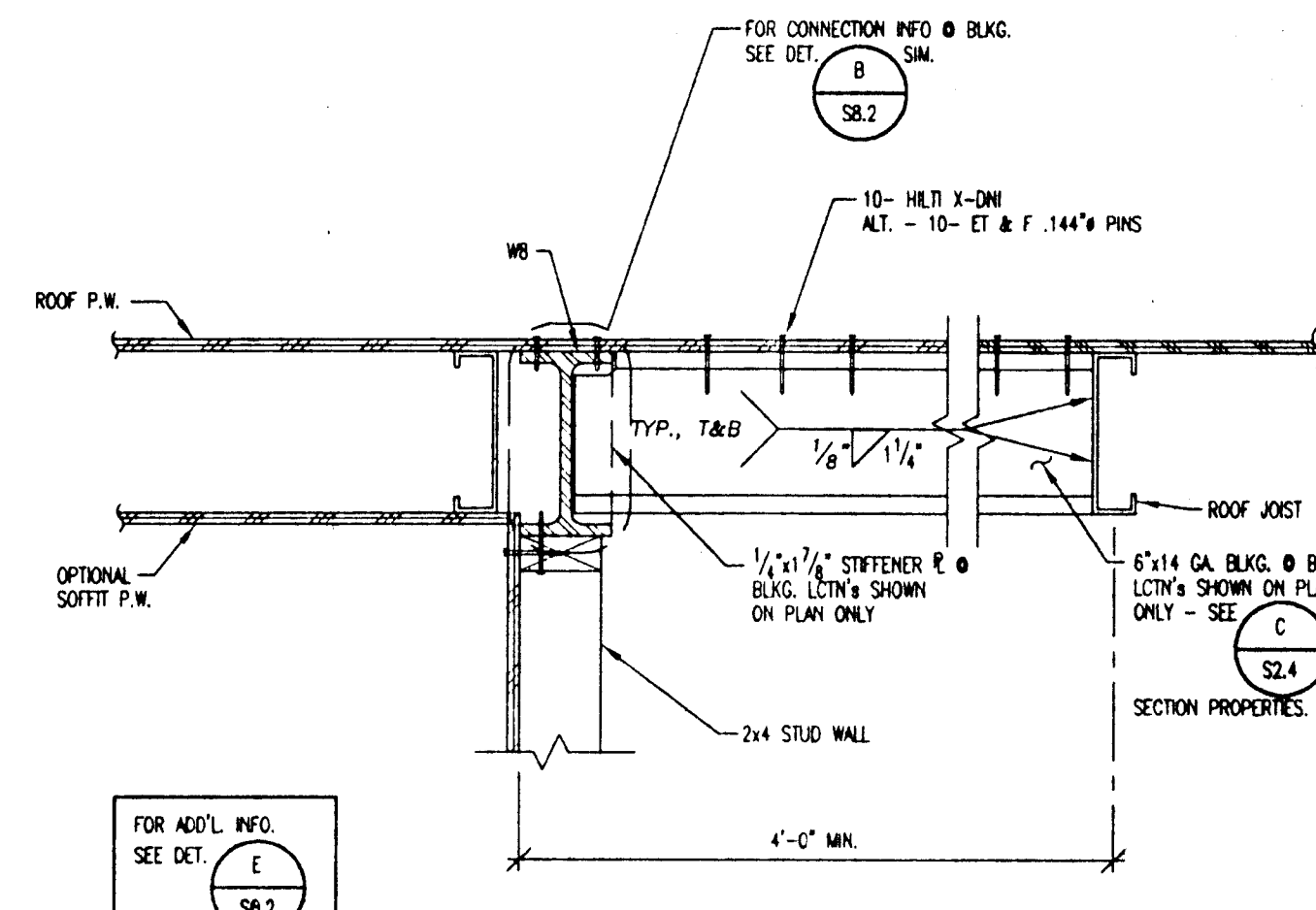
C ROOF DETAIL - TYP. MODULE LINE
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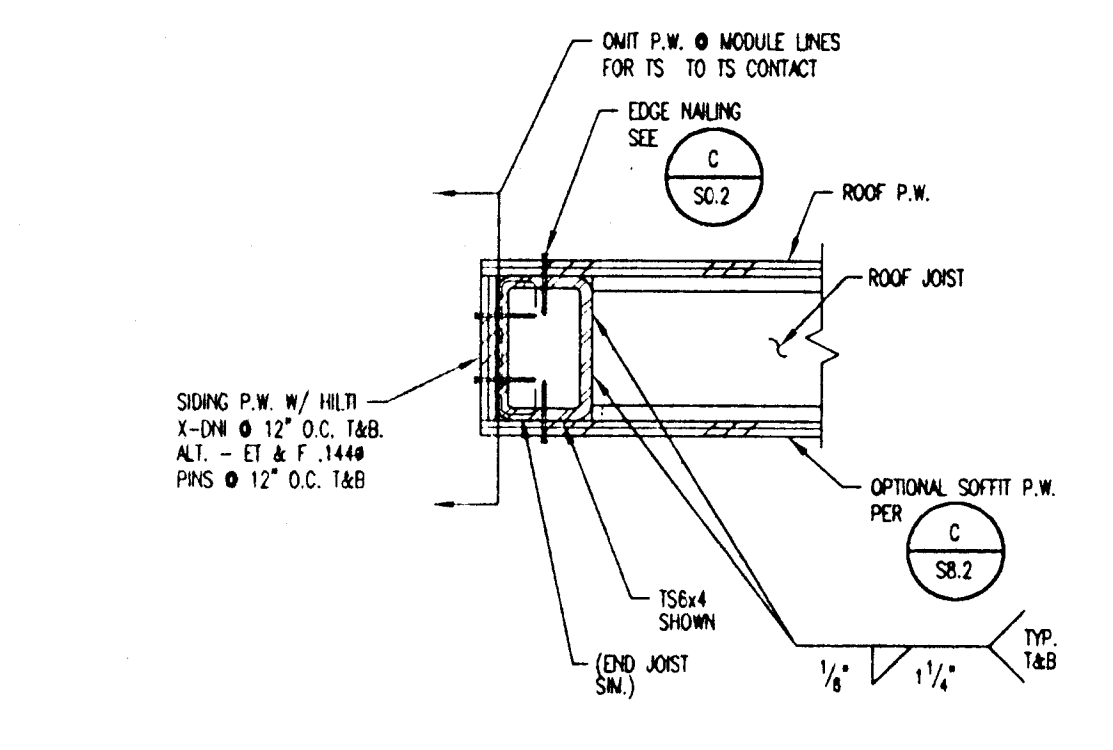
D TYP. DET. ROOF-FRONT & REAR ENDWALL WALL TIE @ MOD. LINE
SCALE: 1 1/2"=1'-0"



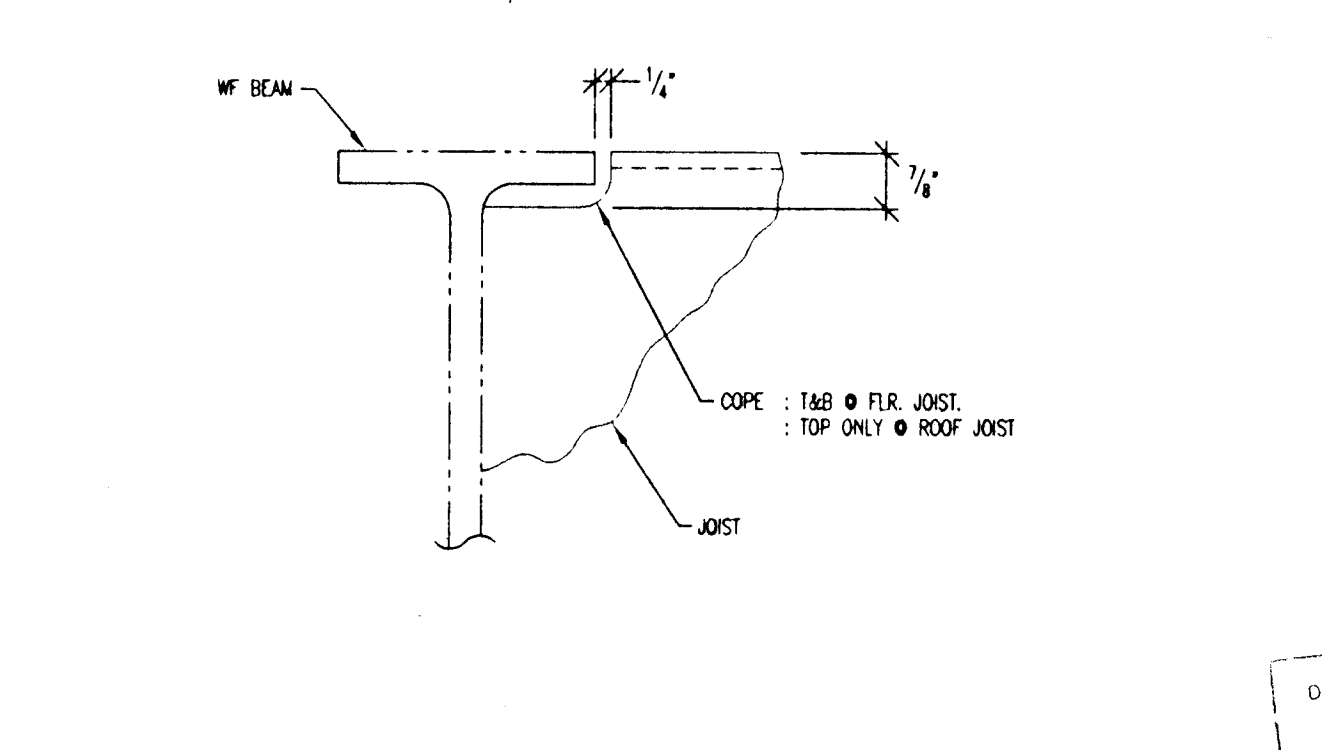
E ROOF DETAIL - TYP. ENDWALLS
SCALE: 1 1/2"=1'-0"



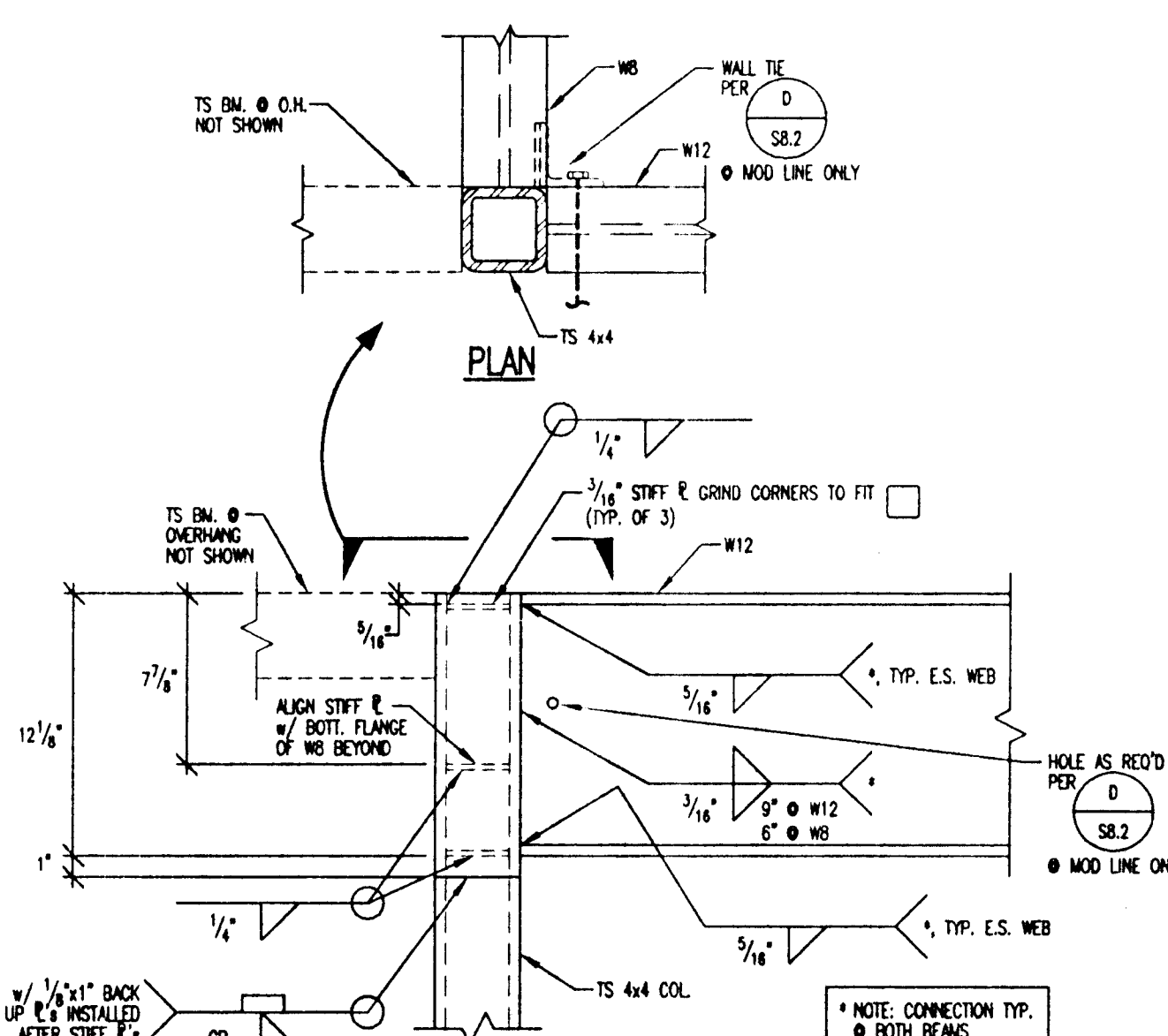
F ROOF DETAIL-BLKG. ENDWALL BEAM
(TYP. @ FRONT & REAR)
SCALE: 1 1/2"=1'-0"



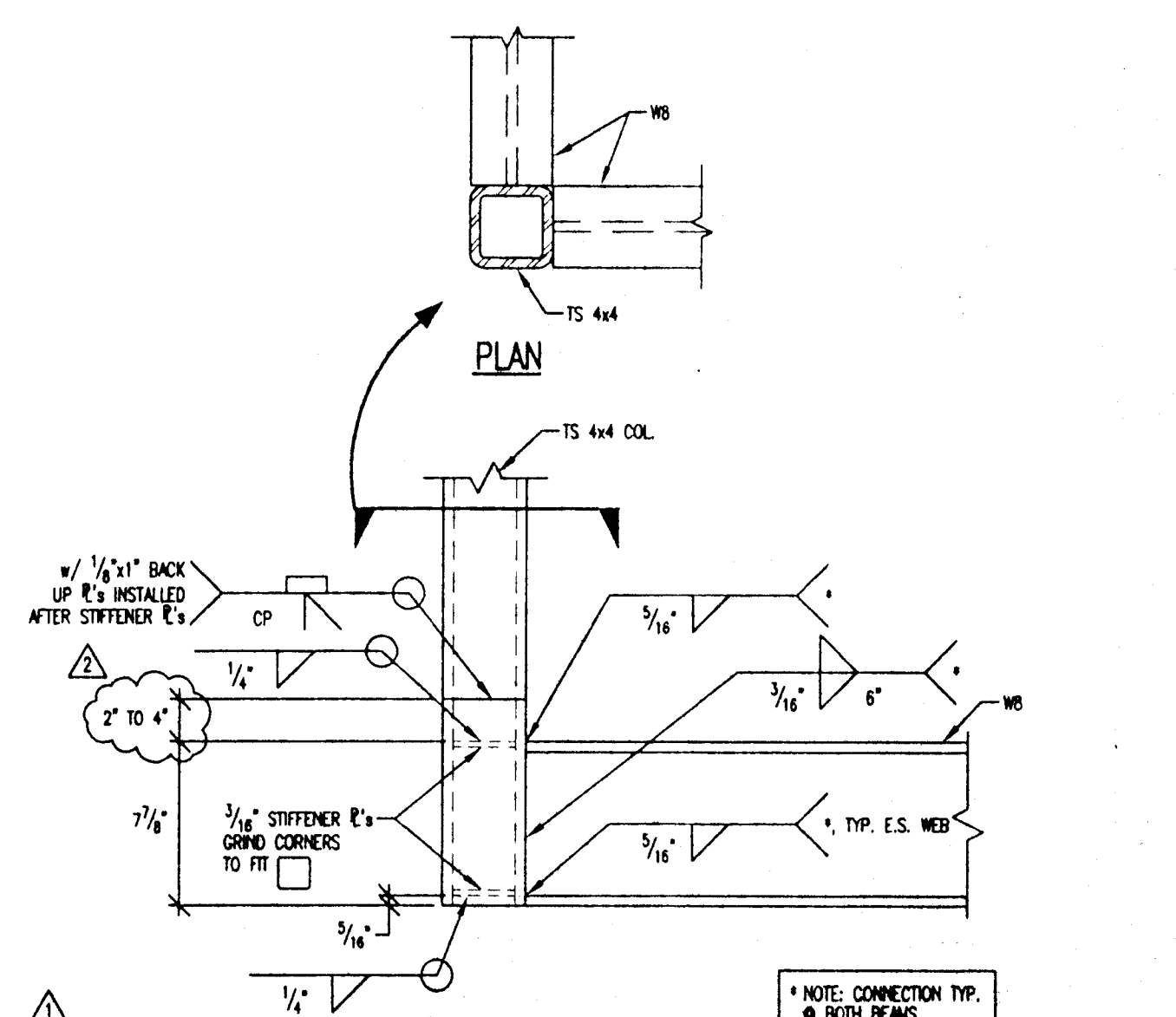
G ROOF DETAIL - FRONT & REAR EAVES
SCALE: 1 1/2"=1'-0"



H TYPICAL COPE OF ROOF/FLR. JOIST @ W8 OR W12 BEAMS
SCALE: 1 1/2"=1'-0"



I ALT. - ROOF BEAMS @ TS COL. CONN.
SCALE: 1 1/2"=1'-0"



J ALT. - FLOOR BMS. @ TS COL. CONN.
SCALE: 1 1/2"=1'-0"

DESIGN	(1995 CBO)		
ROOF LIVE LOAD	= 20	PSF	per
FLOOR LIVE LOAD	= 50	PSF	
WIND	= 75	MPH	sp c
SEISMIC ZONE	= 4		

REVISIONS	BY
1	5-22-97
2	6-30-97

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95333 (209) 921-1600

24x40 RELOCATABLE BUILDING

REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
EXPIRES 3-31-00

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
1008 H STREET, SUITE 100, SACRAMENTO, CA 95811

DRAWN	JR
CHECKED	BD/PLS
DATE	6-30-97
SCALE	AS NOTED
JOB NO.	97007 PSPC1
SHEET	

S8.2

170F 21 SHEETS

GENERAL NOTES: (APPLY TO RAMP ONLY)

- GENERAL NOTES:** NS_CBC95
- ALL CONSTRUCTION SHALL COMPLY WITH THE 1995 EDITION OF THE CALIFORNIA BUILDING CODE (CBC), CCR TITLE 24, PART 2, [MODIFICATIONS TO THE 1994 UNIFORM BUILDING CODE (UBC), UBC STANDARDS AND UBC RECOGNIZED STANDARDS-ALL UBC RECOGNIZED STANDARDS AS APPLICABLE ARE REQUIRED FOR THIS PROJECT] ALSO COMPLY WITH ADMINISTRATIVE REQUIREMENTS OF CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, (LATEST REVISION).
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL DESIGN AND PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.
 - DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS. THE CONTRACTOR ADMITS AND AGREES THAT THE CONTRACT DOCUMENTS EXHIBIT THE INTENT AND PURPOSE OF THE OWNER IN REGARD TO THE WORK, AND THAT THEY ARE NOT COMPLETE IN EVERY DETAIL AND ARE TO BE CONSIDERED AS SHOWING THE PURPOSE AND INTENT ONLY. AND THE CONTRACTOR FURTHER AGREES TO FURNISH ALL LABOR OR MATERIAL FOR ANY DETAIL THAT IS NECESSARY TO CARRY OUT SAID INTENT AND PURPOSE OF THE CONTRACT DOCUMENTS WITHOUT EXTRA CHARGE TO THE OWNER.
 - THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND RAMP MANUFACTURER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
 - NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED IN ADVANCE OR SHOWN ON THESE DRAWINGS.
 - TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - WHERE THESE GENERAL NOTES AND THE TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND THE TYPICAL DETAILS SHALL GOVERN.
 - PROVIDE INSPECTIONS, TESTS, AND REPORTS IN ACCORDANCE WITH THE 1995 CBC AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
 - IN ADDITION TO CONTINUOUS PROJECT INSPECTION, PROVIDE SPECIAL INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER CBC SECTION 1701A.5.5 AND 1703A. SEE ALSO REQUIREMENTS OF CBC SECTION 2212A.5.
 - ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
- WOOD:** NW_CBC95
- STRUCTURAL FRAMING SHALL BE DOUGLAS FIR - LARCH GRADED IN ACCORDANCE WITH THE WESTERN LUMBER GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST REVISIONS. WOOD MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION. DOUGLAS FIR SOUTH IS NOT ALLOWED. EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW THE GRADES INDICATED. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
ALL FRAMING EXCEPT AS NOTED ----- NO. 1 WOOD SHIMS -----ANY GRADE OR EXTR. GRADE PLYWOOD.
 - ALL PLYWOOD SHOWN ON THESE DRAWINGS SHALL BE STRUCTURAL 1 CC WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-83 (UBC STANDARD 23-2) U.O.N. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH A PANEL SPAN RATING IN ACCORDANCE WITH CBC TABLE NO. 23A-I-S-1. USE 4"x8" PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE THE MINIMUM PANEL DIMENSION SHALL BE 24" AT FLOORS UNLESS PANEL IS SUPPORTED AT ALL FOUR SIDES BY FRAMING OR BLOCKING.
 - SILL PLATES SHALL BE PRESSURE PRESERVATIVE TREATED DOUGLAS FIR. PRESSURE PRESERVATIVE TREATED MEMBERS SHALL BE PER THE REQUIREMENTS OF AWPA AND AWPB (PROCEDURE LP-22 UNLESS OTHERWISE NOTED). SILL PLATES SHALL BE PRESERVATIVE TREATED AT ALL CUTS, NOTICES AS APPROVED.
 - BOLTS FOR TIMBER CONNECTIONS SHALL BE FULL DIAMETER BODY AND PER THE REQUIREMENTS OF ASTM A307, GRADE A AND ANSI/ASME STANDARD B18.2.1, UNLESS OTHERWISE NOTED. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE (CBC), CHAPTER 23A, AND CBC SECTION 2336 AND SHALL HAVE A MINIMUM BENDING YIELD STRENGTH OF 45,000 PSI. BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK.
 - LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1 OR CBC TABLE 23-III-UU, THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2337. HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. PROVIDE FULL DIAMETER BODY, STEEL LAG SCREWS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES 23-III-T AND 23-III-U IN THE 1995 CBC. PROVIDE GALVANIZED WHERE INSTALLED IN PPT MEMBERS.
 - PROVIDE MALLEABLE IRON WASHERS OR STANDARD CUT PLATE WASHERS UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
 - WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1, THE REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2339. WOOD SCREWS SHALL BE STEEL, WITH MINIMUM BENDING YIELD STRENGTHS PER TABLES 23-III-DD AND 23-III-EE IN THE 1995 CBC AND CUT THREADS. LEAD HOLES FOR SCREWS SHALL BE 7/8 OF THE SHANK DIAMETER AT THE SHANK (UNTHREADED PORTION) AND 7/8 OF THE THREAD ROOT DIAMETER FOR THE THREADED PORTION OF THE SCREW.
 - WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
 - WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
 - STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON STEEL WIRE NAILS PER FEDERAL SPECIFICATION FF-N-105B, ALL REQUIREMENTS OF THE 1995 CALIFORNIA BUILDING CODE, CHAPTER 23A, AND CBC SECTION 2340. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CBC TABLE 23A-I-Q. NAILS EXPOSED TO WEATHER OR IN PRESSURE PRESERVATIVE TREATED MEMBERS SHALL BE HOT DIP GALVANIZED. NAILS SHALL BE ELECTROGALVANIZED ELSEWHERE. PROVIDE NAILS WITH MINIMUM BENDING YIELD STRENGTHS PER TABLE 23-III-HH OR 23-III-MM IN THE 1995 CBC. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2, SECTIONS 2311A.3.3 AND 2314A.3. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE DIVISION OF THE STATE ARCHITECT.
 - PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303A.1.3, CCR TITLE 24, PART 2 (CBC). PROVIDE AWPB OR EQUIVALENT QUALITY MARK ON ALL TREATED MEMBERS.

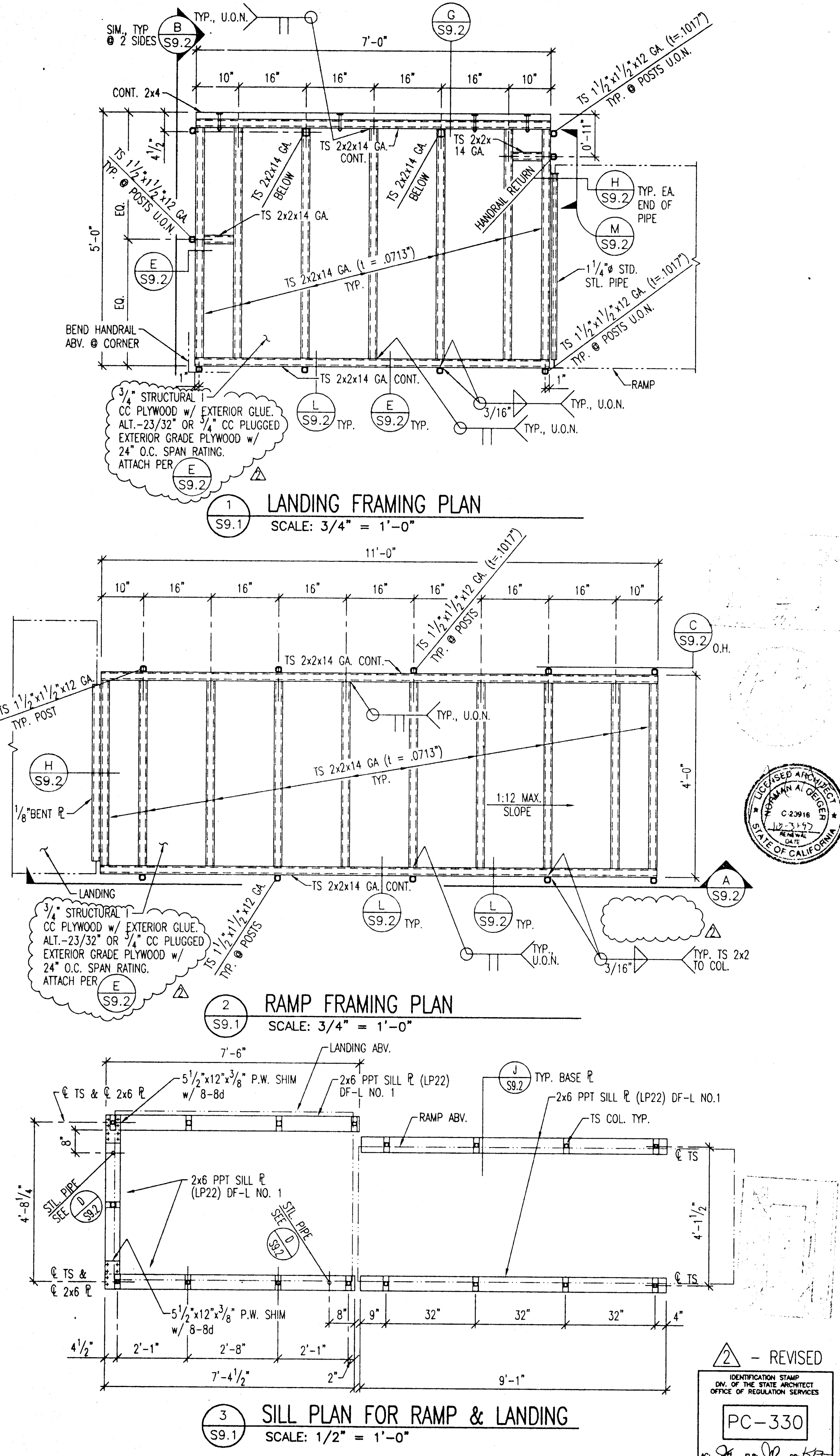
- STRUCTURAL STEEL:** NS_CBC95
- ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.
 - TUBE MEMBERS SHALL BE ASTM A500 GRADE B, (Fy = 46,000 psi) STEEL. PIPES SHALL BE ASTM A53, TYPE E OR S, GRADE B.
 - ALL BOLTS SHALL BE ASTM A307 MACHINE BOLTS (INCLUDING SUPPLEMENTARY REQUIREMENT S1 PER ASTM) UNLESS NOTED OTHERWISE. ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1, LATEST EDITION, OR THE STRUCTURAL WELDING CODE-SHEET STEEL, AWS D1.3, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. SEE CBC CHAPTER 22A, SECTION 2209A. PROVIDE SPECIAL INSPECTION FOR ALL WELDING - SEE #7 BELOW. UTILIZE E70 LOW HYDROGEN ELECTRODES, TYPICAL.
 - FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (CBC CHAPTER 22A, SECTION 2203A). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. (THERE ARE NO SELF-SUPPORTING FRAMES ON THIS PROJECT - TEMPORARY BRACING IS REQUIRED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE.)
 - PRIME ALL STEEL SURFACES WITH AN APPROVED ZINC RICH PRIMER. TOUGH-UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION.
 - OWNER SHALL PROVIDE INSPECTIONS AND TESTS IN ACCORDANCE WITH CBC SECTION 2212A. OWNER'S INSPECTOR AND TESTING LABORATORY SHALL PROVIDE REPORTS TO THE STRUCTURAL ENGINEER AND DIVISION OF THE STATE ARCHITECT.

- DRIVEN PINS:**
- DRIVE PINS FOR ATTACHMENT OF WOOD TO STEEL SHALL BE BY HILTI FASTENING SYSTEMS PER ICBO REPORT NO. 2388, OR EQUIVALENT. X-DNI DRIVE PINS SHALL BE DOME HEAD W/ SMOOTH SHANK TYPICAL. LENGTHS SHALL BE SUCH THAT FULL DIAMETER OF SHANK PENETRATES THRU STEEL MEMBER ATTACHED TO. INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S ICBO APPROVAL.
 - ATTACHMENT OF WOOD TO STEEL WHERE SHOWN ON DRAWINGS SHALL BE ET&F FASTENING SYSTEMS 1440 PINS PER ICBO REPORT NO. 4144 OR EQUIVALENT. INSTALL PER MANUFACTURER'S REQUIREMENTS, THESE DRAWINGS AND THE MANUFACTURER'S ICBO APPROVAL. LENGTHS SHALL BE SUCH THAT PINS EXTEND THROUGH STEEL MEMBER 1/4" MINIMUM.
 - PNEUMATIC SOL PINS BY PNEUTEK, INC. ARE AN ACCEPTABLE ALTERNATE TO HILTI OR ET & F PINS. PROVIDE EQUAL OR GREATER DIAMETER AND INSTALLATION PER MANUFACTURER'S INSTRUCTIONS.

ABBREVIATIONS:

ABBR	ANCHOR BOLT
A.B.	ABOVE
ADBL	ADDITIONAL
ADJ.	ADJACENT
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
BLOG.	BUILDING
BLKG.	BLOCKING
BLW.	BELOW
BM	BEAM
B.O.	BOTTOM OF
BOT.	BOTH SIDES
B.S.	BOTH SIDES
BTWN.	BETWEEN
C.J.	CONSTRUCTION JOINT
CLG.	CENTER LINE
CLR.	CEILING
CMU	CLEAR
COL.	COLUMN
COMP.	COMPOSITION
CONC.	CONCRETE
CONSTR.	CONSTRUCTION
CONN.	CONNECTION
CONT.	CONTINUOUS
CP	COMPLETE PENETRATION
CSK.	COUNTERSINK
DBL.	DOUBLE
DET.	DETAIL
DF-L	DOUGLAS FIR-LARCH
DIAG.	DIAGONAL
DM.	DIMENSIONS
D.O.	DITTO
DRWG.	DRAWING
Ø, DIA.	DIAMETER
(E)	EXISTING
EACH	EACH
E.F.	EACH FACE
E.J.	EXPANSION JOINT
ELEV.	ELEVATION
E.N.	PLYWOOD EDGE NAILING
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.S.	EACH SIDE
EXTR.	EXTERIOR
E.W.	EACH WAY
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH
FLR.	FLOOR
F.N.	FACE NAIL
FND.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.S.	FAR SIDE
FTG.	FOOTING
GA.	GAGE
GALV.	GALVANIZED
G.L.	GRID LINE
GLB	GLU-LAM BEAM
GYP. BD.	GYPSON BOARD
HCB	HOLLOW CONCRETE BLOCK
HD	HOLDOWN
HDR.	HEADER
HOK.	HOOK
HORIZ.	HORIZONTAL
H.S.	HIGH STRENGTH
INFO.	INFORMATION
INTR.	INTERIOR
INTRM.	INTERMEDIATE
JT.	JOINT
LCTN.	LOCATION
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
(N)	NEW
N.S.	NEAR SIDE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.H.	OPPOSITE HAND
OPNG.	OPENING
OPP.	OPPOSITE
PC.	PIECE
PL.	PLATE
PPT	PRESSURE PRESERVATIVE TREATED
P.W.	PLYWOOD
PWPEN	PLYWOOD PANEL EDGE NAILING
REINF.	REINFORCEMENT
REQD.	REQUIRED
RHWS	ROUND HEAD WOOD SCREW
RWD.	REDWOOD
SHTHG.	SHEATHING
SIM.	SIMILAR
SMS	SHEET METAL SCREW
SO.	SQUARE
STD.	STANDARD
STG'D.	STAGGERED
STIF.	STIFFENER
S.W.	SHEARWALL
SYM.	SYMMETRICAL
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
THRU	THROUGH
T.N.	TOE NAIL
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
TS	TUBE STEEL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VERT.	VERTICAL
W/	WITH
W.P.	WORK POINT
WIND.	WINDOW
WWF	WELDED WIRE FABRIC

PLANS:



REVISIONS	BY
5-22-97/NO CHANGE	BD
6-30-97	BD

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

RAMP & LANDING @ PORTABLE CLASSROOMS

GENERAL NOTES, ABBREVIATIONS, & PLANS

REGISTERED PROFESSIONAL ENGINEER
BRUCE D. DOIG
No. 2522
STRUCTURAL
STATE OF CALIFORNIA
EXPIRES 3-31-00

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
1000 PRACER LANE, STE. 100, SACRAMENTO, CA 95827-2571
(916) 486-9600

DRAWN	MM
CHECKED	BD/KE
DATE	6-30-97
SCALE	AS NOTED
JOB NO.	97007 PSCPA
SHEET	S9.1
OF	21 SHEETS

PACESETTER INDUSTRIES, INC.
P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

RAMP & LANDING @ PORTABLE CLASSROOMS

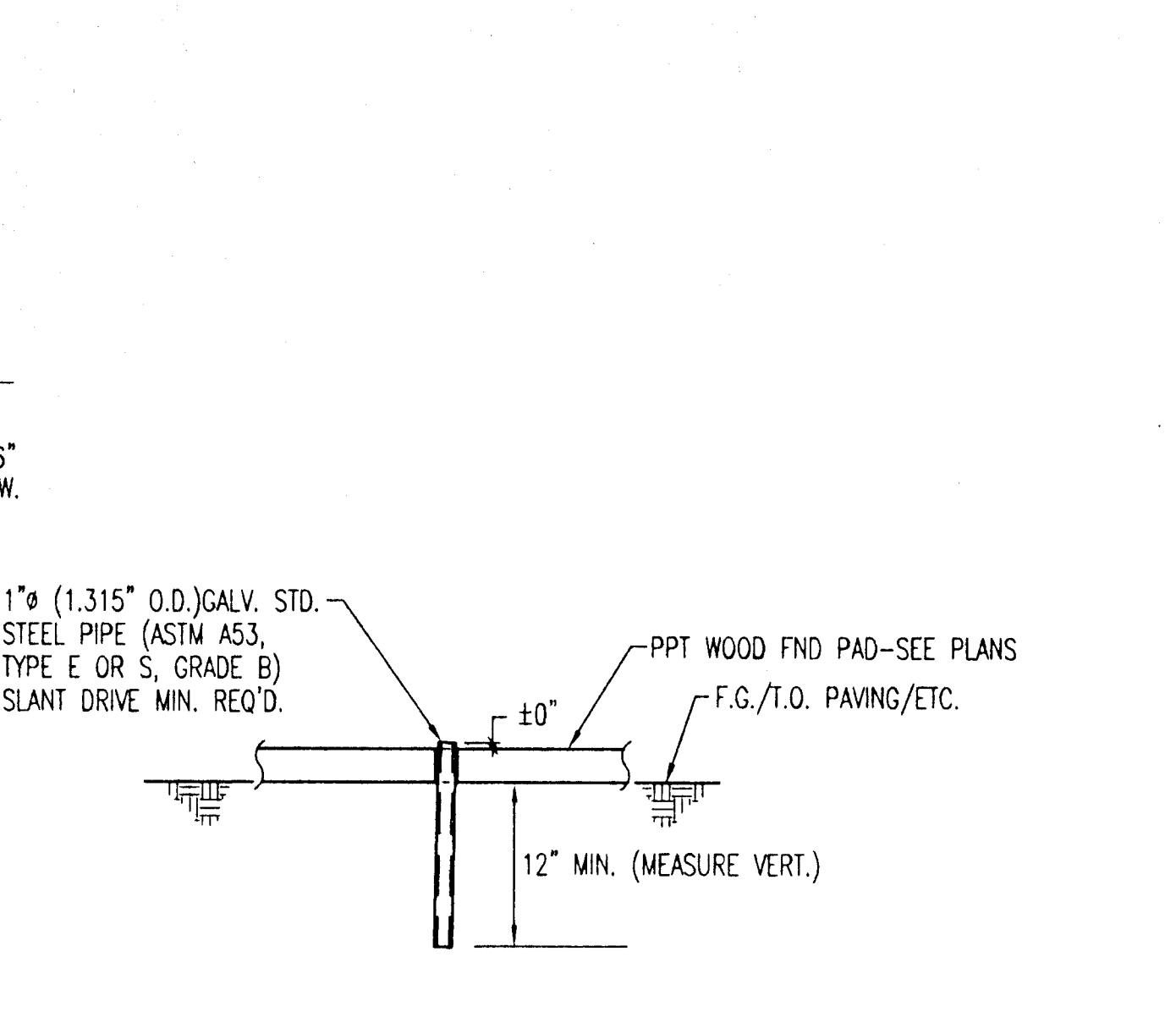
ELEVATIONS & DETAILS

ANDERSON & DOIG
STRUCTURAL ENGINEERS
A CALIFORNIA CORPORATION
10300B PLACER LANE, STE. 100, SACRAMENTO, CA 95827-2571
(916) 366-4622 FAX (916) 366-4623

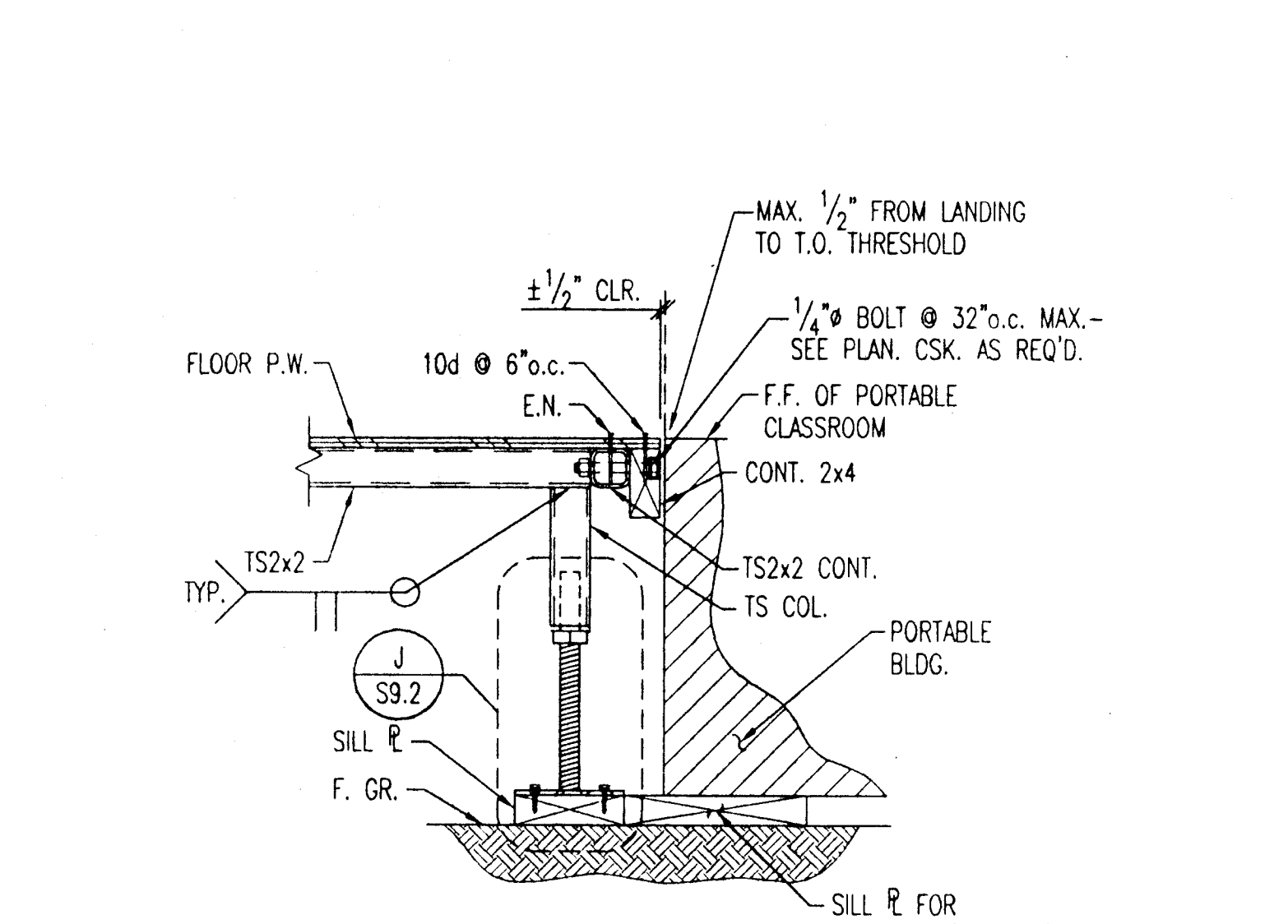
DRAWN
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DATE
6-30-97
SCALE
AS NOTED
JOB NO.
97007 PSPCA
SHEET

S9.2

10F 21 SHEETS



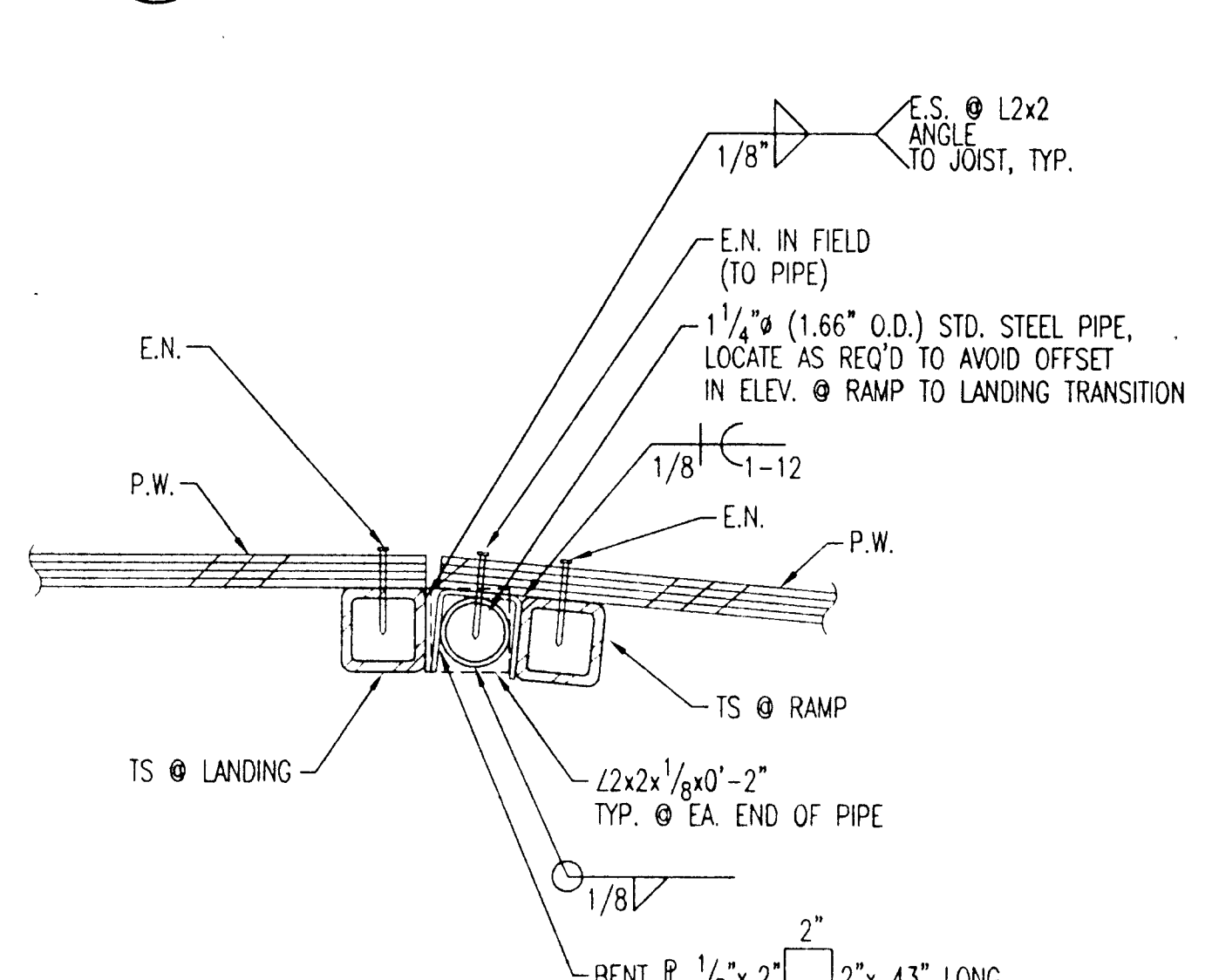

DETAIL - PARTIAL RAMP ELEVATION
 SCALE: 1 1/2" = 1'-0"



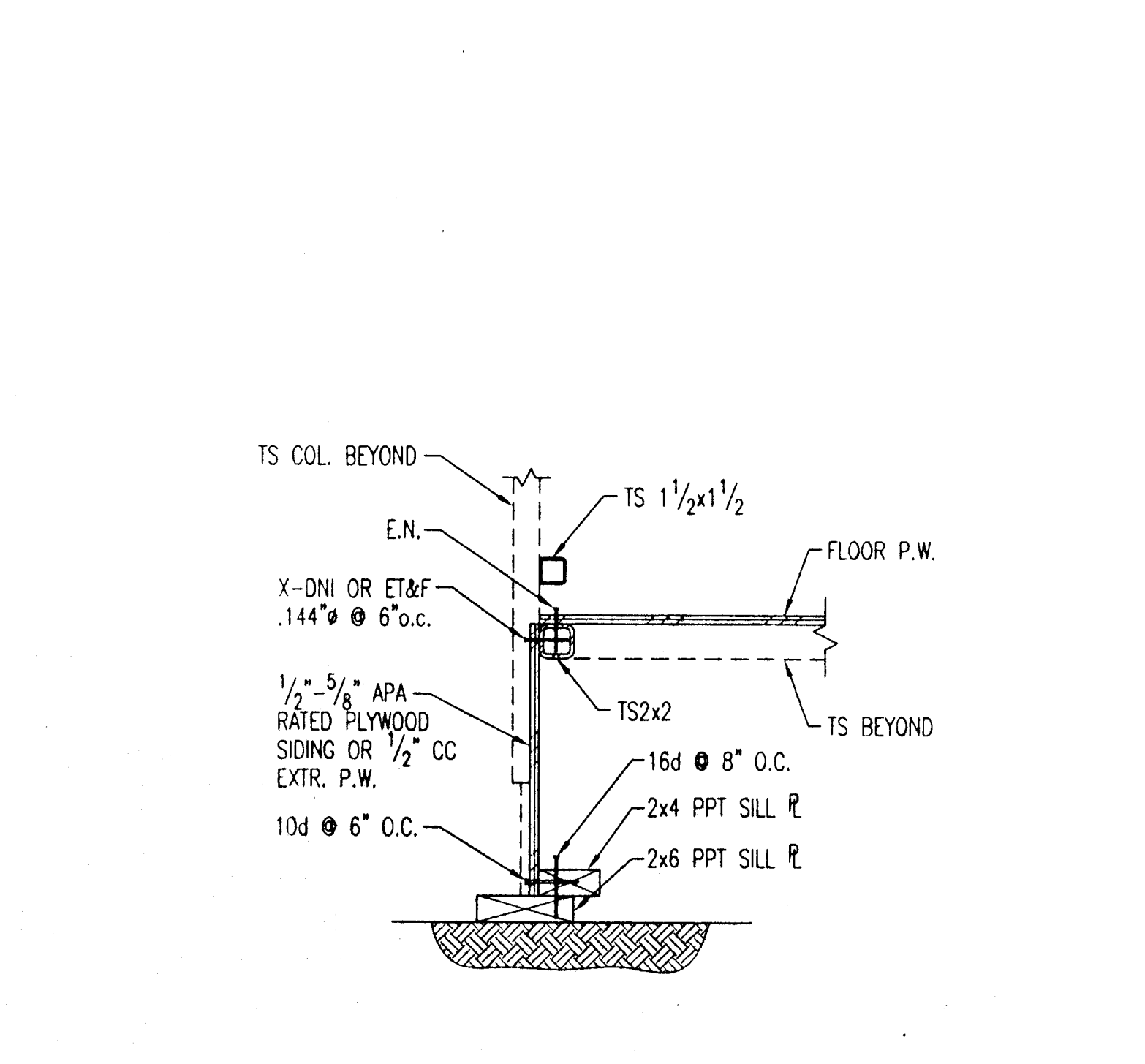
PORTABLE (APPROX.)


DETAIL-END OF LANDING @ PORTABLE BLDG.

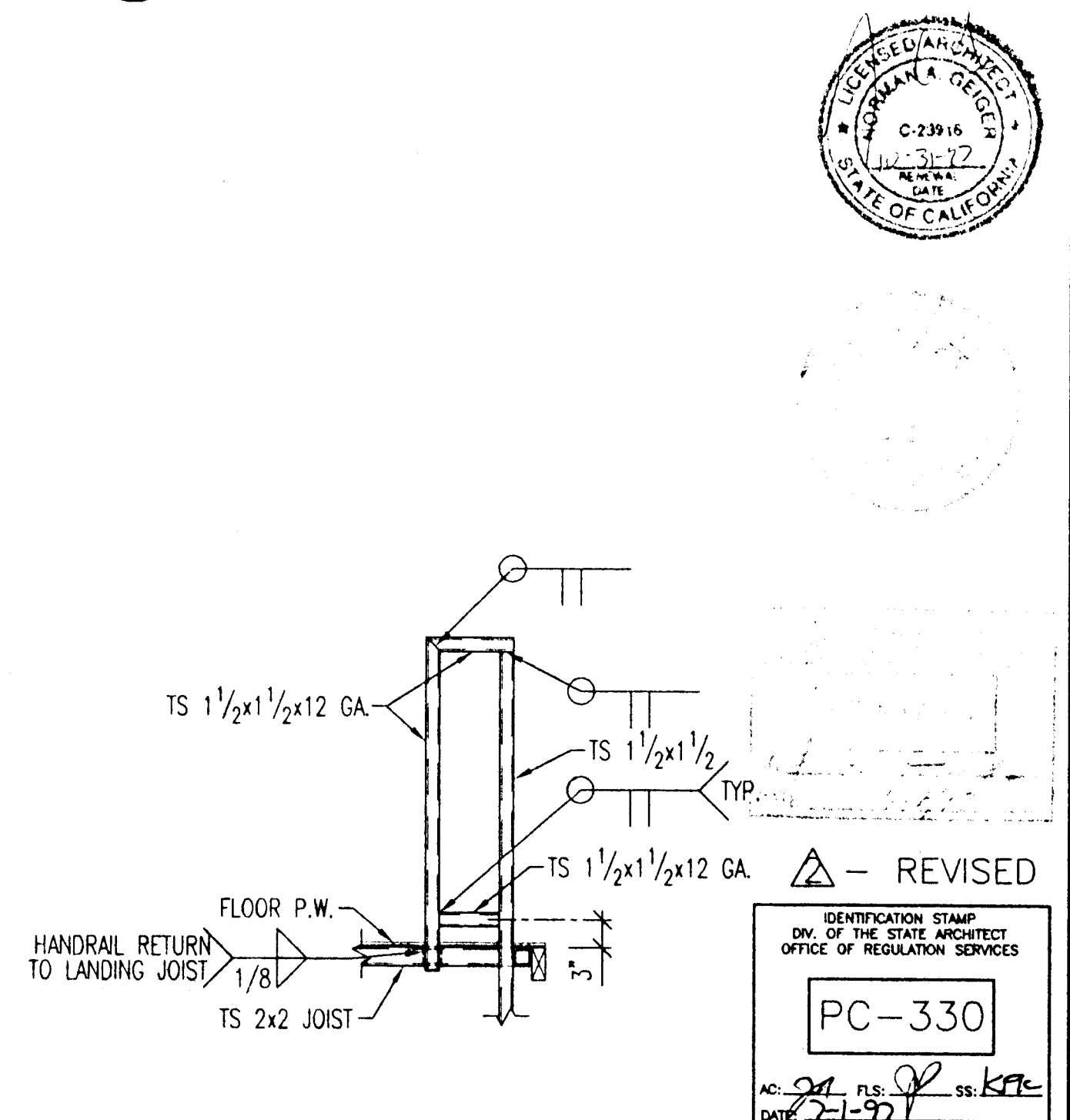
SCALE: 1 1/2" = 1'-0"



DETAIL-RAMP TO LANDING CONNECTION
SCALE: 3" = 1'-0"




DETAIL - TYP. SIDE OF RAMP/LANDING
 SCALE: 1 1/2" = 1'-0"



LANDING HANDRAIL @ RAMP
SCALE: 3/4" = 1'-0"

A circular professional seal for Norman A. Geiger, a Licensed Architect in the State of California. The seal contains the text "LICENSED ARCHITECT" at the top, "NORMAN A. GEIGER" in the center, "C-23916" below the name, and "STATE OF CALIFORNIA" at the bottom. The date "11-31-77" is stamped over the bottom half of the seal, with "RENEWAL DATE" printed below it.

3

ALT. WALL FRAMING AT HVAC

SCALE 3/4"=1'-0"

2

DUCT MOUNTING

SCALE 1/4"=1'-0"

1

CONTROL SCHEMATIC

SCALE NONE

HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE 3/8"=1'-0"

24'x40' MECHANICAL (HVAC) PLAN

SCALE 3/8"=1'-0"

GENERAL NOTES

THE SEISMIC ANCHORAGE OF MECHANICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24. (SEE STRUCTURAL DRAWINGS)

ANCHORAGE DETAILS FOR ROOF / FLOOR MOUNTED EQUIPMENT LESS THAN 400 POUNDS AND HUNG EQUIPMENT LESS THAN 20 POUNDS MAY BE OBTAINED FROM THE DRAWINGS.

ALL MECHANICAL EQUIPMENT SHALL BE PRICED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING EQUIP. ON GRAVE, 20% OF OPERATING WEIGHT EQUIP. ON STRUCTURES, 50% OF OPERATING WEIGHT FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, FOR SMALL ONCE-ONLY VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE. THE ABOVE VALUES ARE FOR AN IMPROVED FACTOR, 1-1.0 AND SEISMIC ZONE, 2-4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN, THE FIELD INSULATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, AND THE FIELD ENGINEER OF DSA.

ALL FINISHES SHALL COMPLY WITH CEC CHAPTERS 9, 6, 7, 8, AND 10

DUCTWORK SHALL BE REARLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.

RECEIVERS SHALL BE POSITIVELY ATTACHED WITH 4-10GA SHEET METAL SCREWS OR AS NOTED.

CEILING PANELS, 2" x 4" LAY-IN PANELS, ASTM PLANE SPREAD CLASS I (C-28), PLANE SPREAD SMOKE DEVELOPMENT DENSITY LESS THAN 450.

SEE SHEET A FOR GENERAL SPECIFICATIONS AND VARIABLE SPECIFICATIONS

SEE SHEET 50.1 FOR STRUCTURAL NOTES

SEE DETAIL J/50.2 FOR STRUCTURAL FRAMING

LEGEND

1/2" x 1/2" x 26 GAUGE STRAPS WITH 2" x 8 SNG EACH SIDE OF DUCT	1 BAR CEILING
INDICATED FREE SIDE	INDICATED FREE SIDE
SPRAY WIRE - 4 WAY	15" x 45" SUPPLY AIR DIFFUSER (15" x 45" SUPPLY AIR GRIFF 4-WAY, TOO OPEN)
15" x 45" SUPPLY AIR DIFFUSER (15" x 45" SUPPLY AIR GRIFF 4-WAY, TOO OPEN)	2" x 4" RECESSED LIGHT FIXTURE

APPROVALS

NORMAN A. GEIGER
AIA, CSI, CDT, ICB
P.O. BOX 41054
Sacramento, CA 95841
(916) 332-2463 FAX
(916) 332-2463 PHONE

ARCHITECTURAL
SERVICES

GEIGER

PACESETTER INDUSTRIES, INC.

P.O. BOX 1131, MODESTO, CA 95353 (209) 521-1600

24x40 RELOCATABLE BUILDING

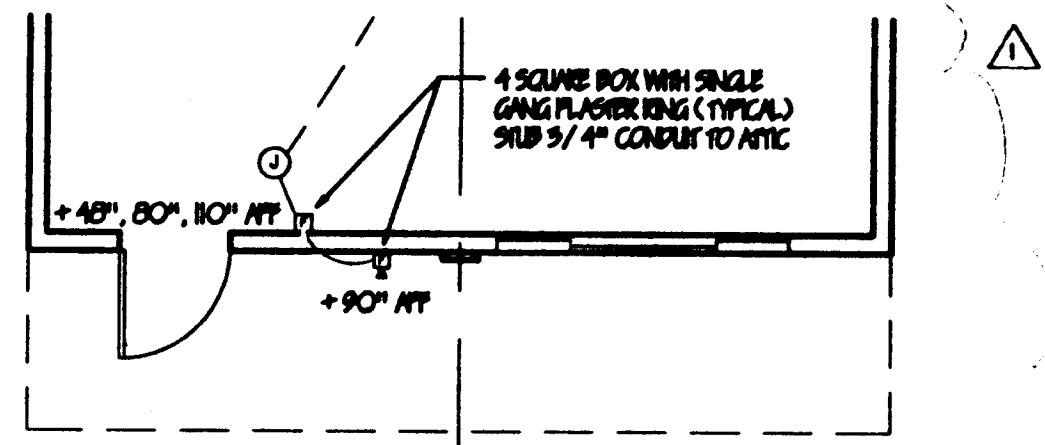
SHEET CONTENTS

MECHANICAL (HVAC) PLAN
HEAT/SUPPLY CROSS SECTION
GENERAL NOTES
CONTROL SCHEMATIC

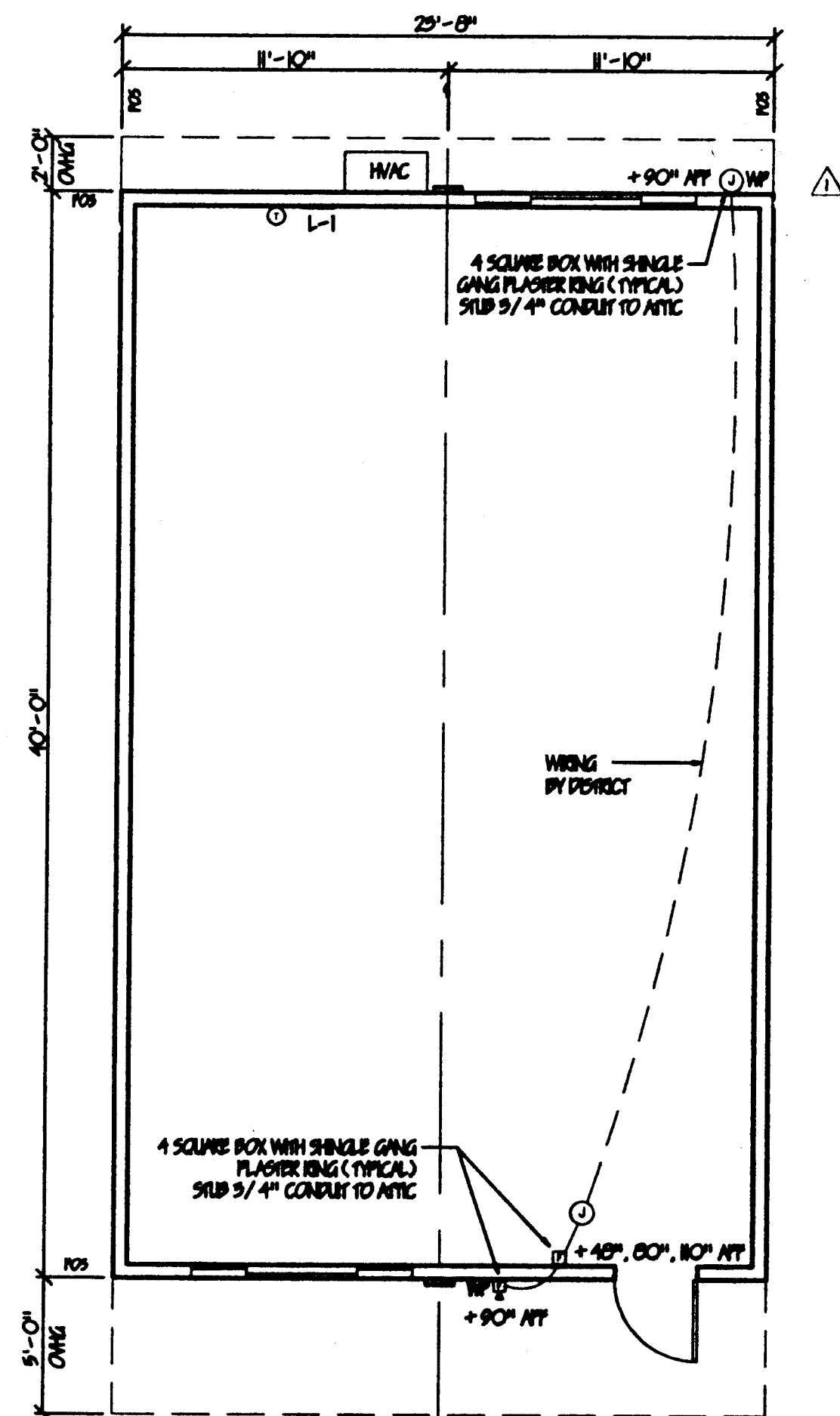
DWG.	APR. 28, 1997
REV. #2	JUN. 20, 1997
DRAWING SCALE	AS SHOWN
PROJECT NUMBER	97-05
SHEET	M1

CONFORMS TO SCALE 3/8"=1'-0"
EXCEPT WHERE NOTED

PANEL SCHEDULE L-1						120/240V 3 WIRE INTERIOR
NEMA -1 125 AMP 1 Ø PHASE						
DESCRIPTION	LOAD	BKR		BKR	LOAD	DESCRIPTION
RECEPTS, CLOCK	1800	20	1	2	50	10580 HVAC UNIT
RECEPTILES	1825	20	3	4	2	
INTERIOR LIGHTS	900	20	5	6		
INT & EXT LIGHTS	955	20	7	8		
			9	10		
			11	12		
			13	14		
			15	16		
			17	18		
			19	20		
			21	22		
			23	24		
	5460				10580	
<div> <div></div> FLUSH <div></div> SURFACE </div>						

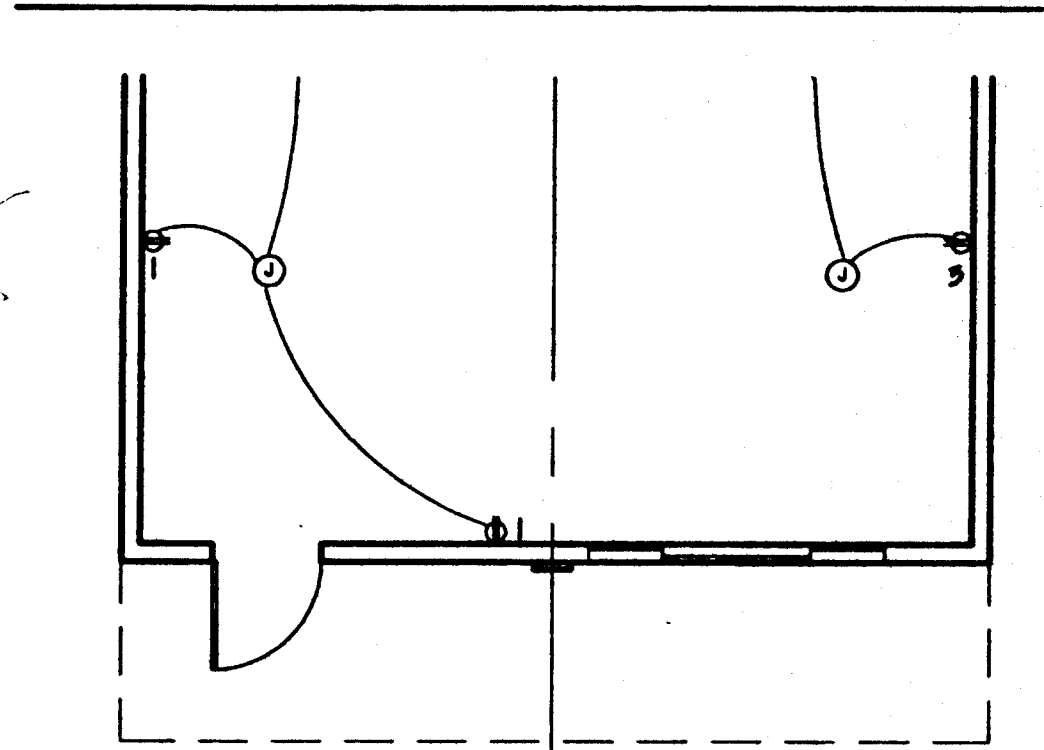
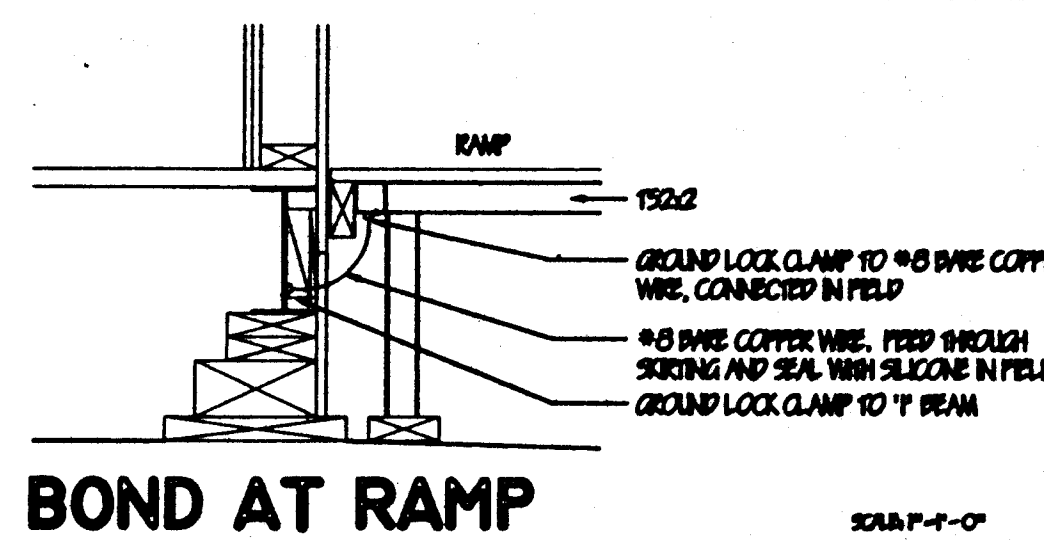


24'x40' SIGNAL PLAN-ALT

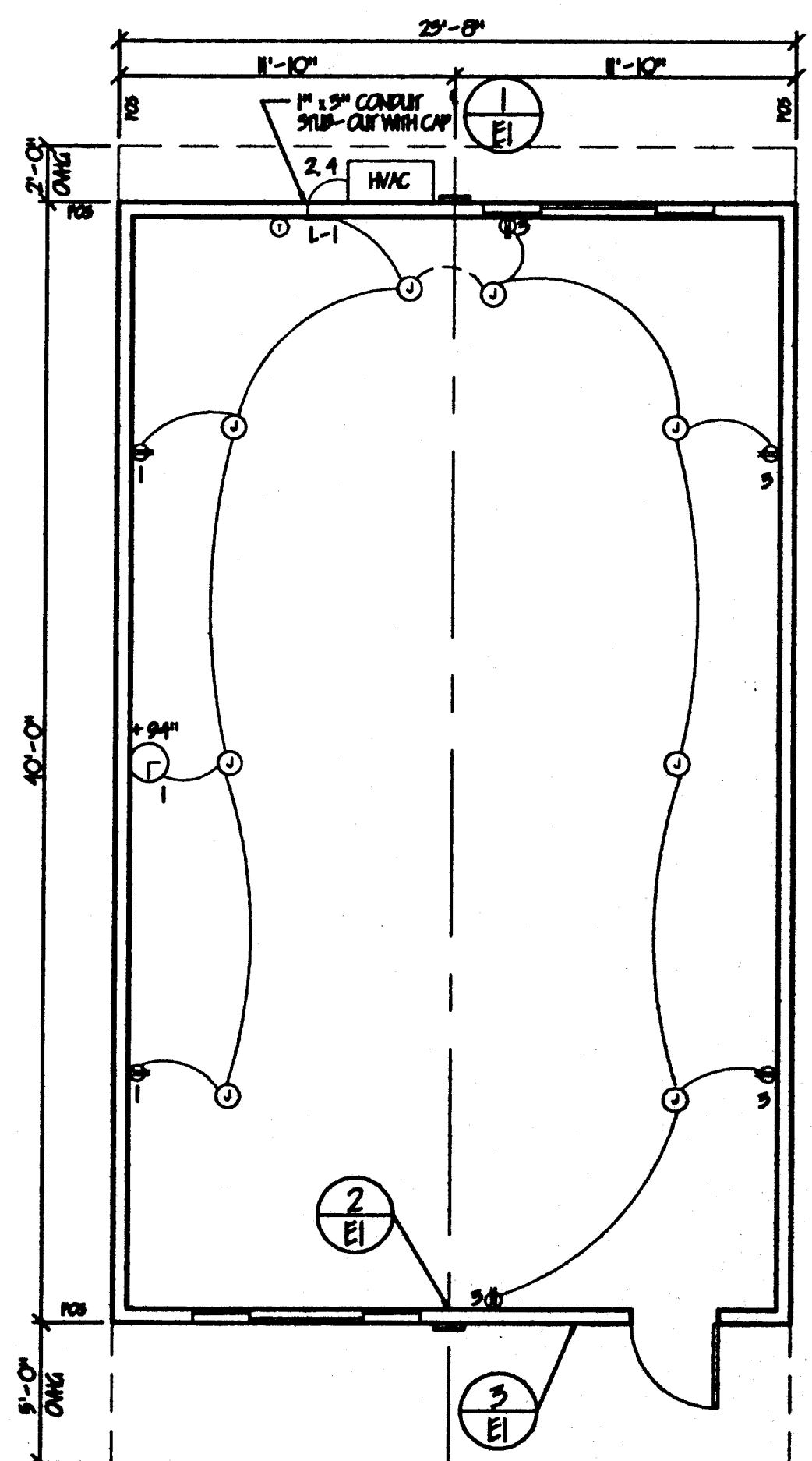


24'x40' SIGNAL PLAN

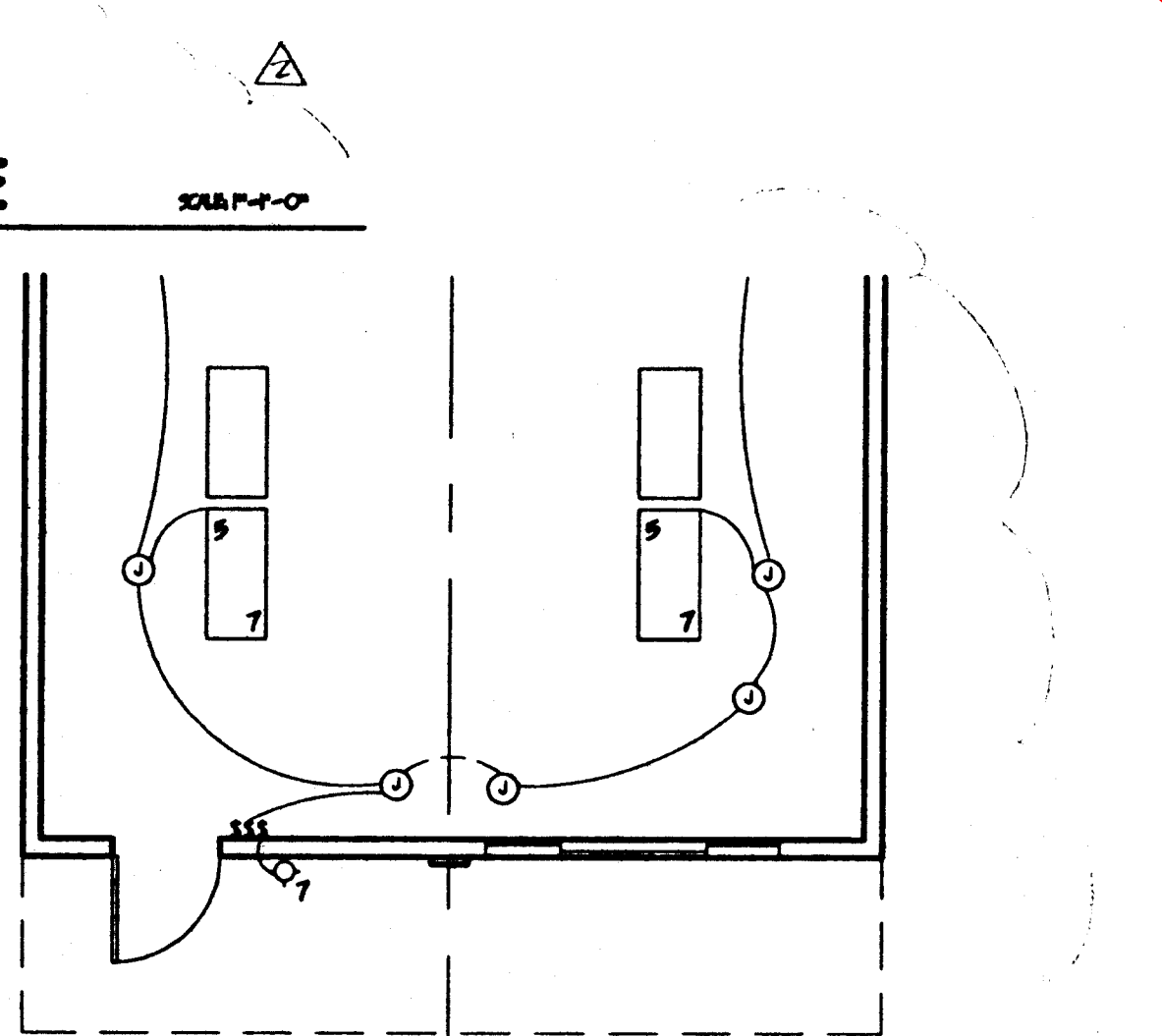
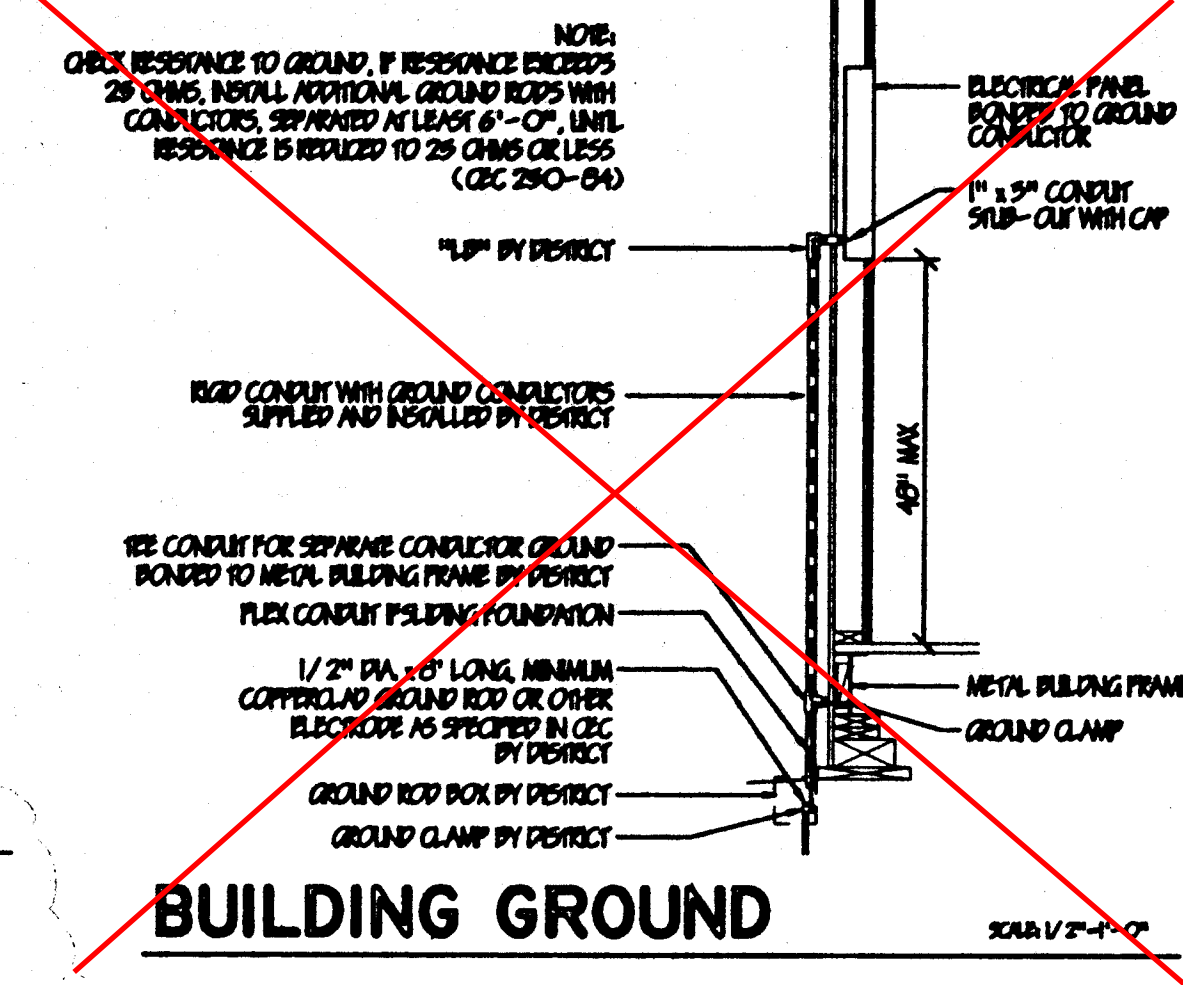
LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER	LAMPS	INPUT VA	MOUNTING	REMARKS
A	2' x 4' RECESSED ENERGY SAVING BALLAST MODERN OR EQUAL R02-41-440E	4-40RS 34 WATT	180 VA	SUSPENDED CEILING	T-8 LAMPS OPTIONAL WEIGHT 27# MAX
B	KENDALL 3714 OR EQUAL	1-PL5 7 WATT	37 VA	WALL - SURFACE MIN. 1 BAYNAIL OR #8 WS PER STRAP TO SILD	FLUORESCENT TAMPER-PROOF



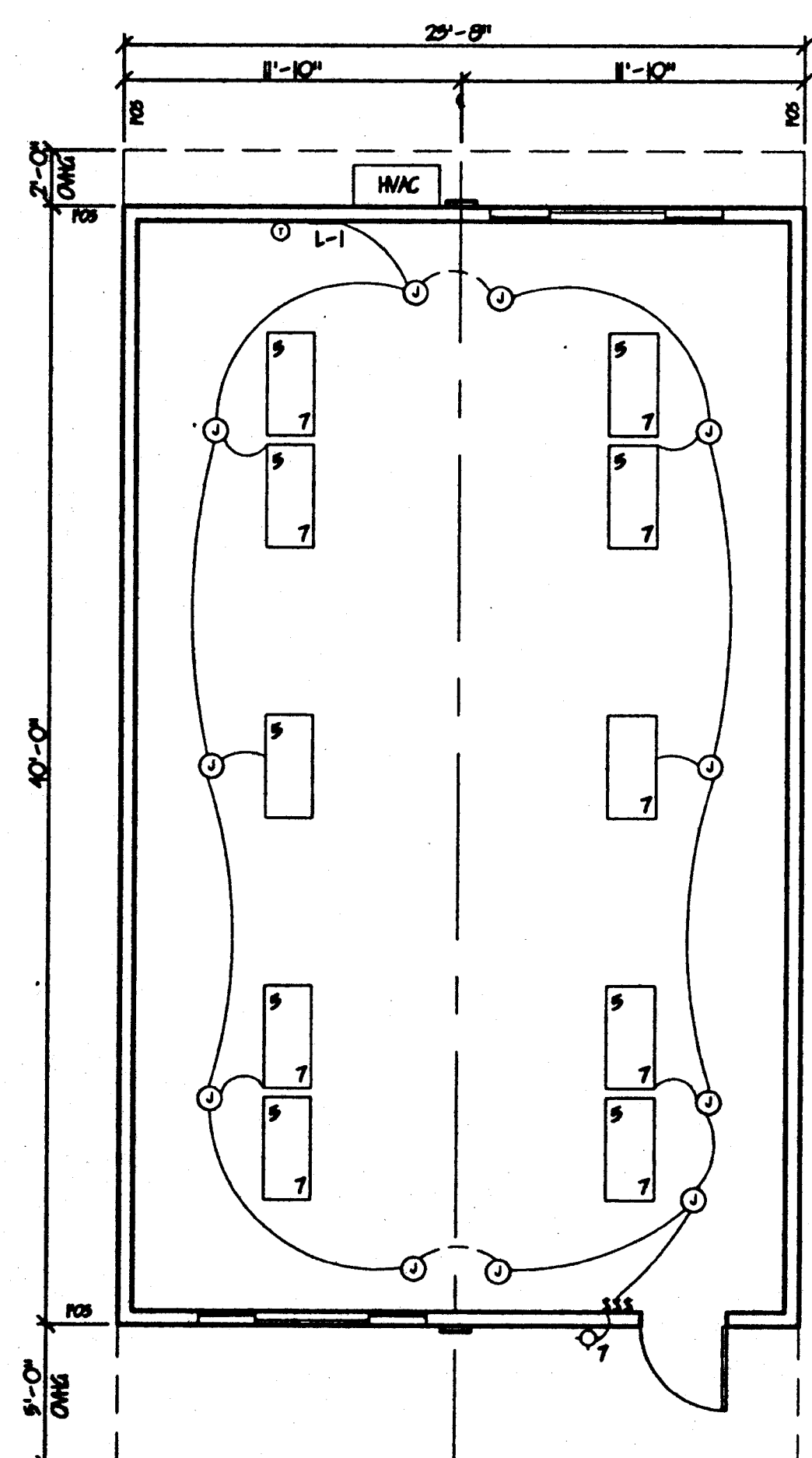
24'x40' POWER PLAN-ALT



24'x40' POWER PLAN



24'x40' LIGHTING PLAN-ALT



24'x40' LIGHTING PLAN

ELECTRICAL NOTES

PROVIDE 2-12GA SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT PANGRAUL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE. ATTACH WIRES TO LIGHT FIXTURES WITH #8 SHEET METAL SCREW AT EACH CORNER.

ALL WIRING TO BE IN MINIMUM 1/2" CONDUIT.

ALL BACKWIRING SHALL CONTAIN EQUIPMENT GROUNDING CONDUCTOR PER CEC 250-19.

MINI CIRCUIT BREAKER IN ACCORDANCE WITH CEC (CALIFORNIA ELECTRICAL CODE).

INSULATED FLEXIBLE CONDUIT CONNECTORS TO ELECTRICAL PANEL TO ALLOW FOR MINIMUM MOVEMENT OF 12" IN ANY HORIZONTAL DIRECTION WHEN SLIDING FOUNDATION IS UTILIZED.

A LOCK OFF CLIP IS TO BE PROVIDED FOR THE HEAT PUMP THERMOSTAT CIRCUIT BREAKER.

GROUNDING OF ELECTRICAL SYSTEM IN ACCORDANCE WITH CEC.

CERTIFIED LUMINAIRES/ BALLASTS IN ACCORDANCE WITH CEC.

INDEPENDENT CONTROL WHEN ENCLOSED MEANS IN ACCORDANCE WITH CEC.

MANUAL SWITCHING READILY ACCESSIBLE IN ACCORDANCE WITH CEC.

REDUCTION OF LIGHTING LOAD AT LEAST 50% IN ACCORDANCE WITH CEC.

SEPARATE SWITCHING OF DOWNLIGHT MEANS IN ACCORDANCE WITH CEC.

RANDOM WIRING OF 4 LAMP LUMINAIRES IN ACCORDANCE WITH CEC.

ALL ELECTRICAL WIRING HOW AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CEC.

ALL CONDUITS SHALL BE CONTINUOUS FROM CUBLET TO CUBLET AND SHALL BE SECURED IN CONFORMANCE WITH PART 9, TITLE 24, CEC.

ALL CONDUIT SHALL BE REINFORCED AND REINFORCED PRIOR TO INSULATION AND SHALL TERMINATE IN APPROPRIATE BUILDINGS OR CONDUITS.

CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OF PART 9, TITLE 24, CEC.

A SEPARATE GROUNDING CONDUCTOR SHALL BE FULLED THROUGHOUT THE ENTIRE SYSTEM.

PORTABLE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTIONS AND CONDUITS TO GROUNDING THE MECHANICAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.).

GROUNDING ROD, WIRES, AND TESTING SHALL BE PROVIDED AND MEET THE REQUIREMENTS OF I.E. #8-1, ISSUED BY PSA.

BUILDING MANUFACTURER TO PROVIDE "UP" FITTING SUB-CUT FROM REAR OF ELECTRICAL ASSEMBLY THROUGH REAR WALL FOR CONNECTION TO PERMITS OVERHEAD OR UNDERGROUND SERVICE, AND UP FITTING FOR GROUNDING CABLE.

DESIGN TO PROVIDE ELECTRICAL SERVICES TO EACH BUILDING.

OR LUNING ELECTRODE CONDUCTOR TO BE SIZED IN ACCORDANCE WITH CEC.

HVAC UNIT FEEDER CIRCUIT, BREAKER, FEEDER WIRE AND UNIT DISCONNECT AND PLEBS (AS APPLICABLE) ARE TO BE COORDINATED WITH THE UNIT NAME PLATE DATA. AT THE TIME OF MANUFACTURE. UNITS HAVING A NAME PLATE DATA WITH "NOTICED" SHALL NOT BE UTILIZED.

FIRE ALARM SYSTEM: THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE.

PART OF THE FIRE ALARM SYSTEM WILL BE INSULATED BY THE PORTABLE MANUFACTURER, AS INDICATED, AND SHALL INCLUDE RECESSED BOXES & CONDUIT, DEVICES, CONNECTORS, INSULATION AND CONNECTION, TO BE BY PERMIT.

INSULATION OF THE FIRE ALARM SYSTEM SHALL NOT BE SMOKE UNTIL DETAILED SPECIFICATIONS AND DRAWINGS HAVE BEEN REVIEWED BY PSA.

ADDITIONAL CONDUIT, JUNCTION BOXES, AND RELATED ITEMS SHALL BE INSTALLED BY PERMIT AS REQUIRED.

DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

GENERAL NOTES

VERTICAL WIRES MORE THAN 1 IN 6 OUT OF PLUMB SHALL HAVE COUNTER BRACING WIRES.

ALL FINISHES SHALL COMPLY WITH CEC CHAPTERS 9, 6, 7, 8, AND 10

ABBREVIATIONS:

APT	AL OR ALUM	ALUMINUM
BKR	PRETHER	PANETEX
PA	MINI	MINI
NO	NUMBER	NUMBER
NE	NOTED	NOTED
ONG	OVERHEAD	OVERHEAD
WP	WEATHERPROOF	WEATHERPROOF

LEGEND

CONDUIT

FLEX CONDUIT

WIRING SHALL BE MINIMUM #12 COPPER TYPE THIN OR THIN AS APPLICABLE. CONDUIT SHALL BE EMT OR GALV. STEEL FLEX MINIMUM 1/2".

J-BOX

4 SQUARE FLUSH J-BOX WITH SINGLE GANG PLASTER RING AND PLANK COVER.

CLOCK AND RECEPTACLE AT +94" AFF

12" x WALL MOUNTED CLOCK, PHONE, SLATE, LEVITON OR EQUAL WITH NOV RECEPTACLE.

RECESSED PANEL AT +45" AFF (SEAL) AT +45" AFF (NOT SEAL)

ELECTRONIC PROGRAMMABLE THERMOSTAT WITH THE FOLLOWING FUNCTIONS: 9 AND 2 WIRE/ WIRELESS PROGRAMMING WITH MINIMUM OF 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR 24 HOUR PERIOD. PROGRAMMABLE DISPLAY; SENSUS INDICATED LED; BATTERY BACKUP. PROVIDE A LOCKING CLEAR COVER WITH ACCESS HOLE FOR PROGRAM OVERVIEW. WHITE REDUCERS 1992

RECESSED PANEL AT +45" AFF

PANEL NUMBER

DUPLEX WALL RECEPTACLE 20N 120V AT +45" AFF

CIRCUIT NUMBER LEVITON, HUBBEL OR EQUAL.

J-BOX FOR FIRE ALARM HORN AT +80" AFF

J-BOX FOR FIRE ALARM PULL STATION AT +45" AFF

SWITCH (LEVITON, HUBBEL OR EQUAL) AT +45" AFF

WALL MOUNTED LIGHT FIXTURE AT +90" AFF TYPE B

2" x 4" RECESSED LIGHT FIXTURE WITH ENERGY SAVING BALLASTS TYPE A

CIRCUIT NUMBER

APPROVALS

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

PC 330

DATE: APR. 23, 1997

REV #1: MAY 15, 1997

REV #2: JUNE 20, 1997

DRAWING SCALE: AS SHOWN

PROJECT NUMBER: 97-05

SHEET: E1

21 OF 21

NORMAN A. GEIGER
AIA, CSI, CDT, ICBO
P.O. BOX 41064
Sacramento, CA 95841
(916) 332-2453 FAX
(916) 332-2453 PHONE

GRAPHICS ARCHITECTURAL SERVICES

GEIGER

REGISTERED ARCHITECT
C-23816
10-21-97
STATE OF CALIFORNIA

PACESETTER INDUSTRIES, INC.
P.O. BOX 1151, MODESTO, CA 95355 (209) 521-1600

24x40 RELOCATABLE BUILDING

SHEET CONTENTS:

POWER PLAN
LIGHTING PLAN
SIGNAL PLAN
LEGEND
PANEL SCHEDULE
LIGHT FIXTURE SCHEDULE
GENERAL NOTES
ELECTRICAL NOTES

DATE: APR. 23, 1997

REV #1: MAY 15, 1997

REV #2: JUNE 20, 1997

DRAWING SCALE: AS SHOWN

PROJECT NUMBER: 97-05

SHEET: E1

21 OF 21



24 X 40 RELOCATABLE CLASSROOMS
LODI UNIFIED SCHOOL DISTRICT

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____
NAME: _____
DISTRICT/OWNER: _____
DIVISION-FILE NO. _____ APPLICATION NO. _____
ARCHITECT: _____
STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL
TESTS
AND
INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	CON- CRETE	GUNITE	GROUT/MORTAR	
Fill material acceptance tests				Test of aggregates for mix design only
Compaction control, continuous				Suitability tests of aggregates as detailed below
Compaction tests only as ordered				Mix designs
Bearing capacity of compacted fill				Continuous batch plant inspection
REINFORCING STEEL				Inspect piling
Sample and test bar steel				Sample
Sample and test mesh				Compressive tests
Inspect piling at job				Pick up samples at job
STRUCTURAL STEEL				Samples delivered to laboratory
Sample and test as detailed below				Deliver sample forms to jobsite
Shop fabrication inspection				Sample and test cement
Field erection inspection				
Inspection of welds - Shop				SUITABILITY TESTS
Inspection of welds - Field				Sodium sulphate
Inspection of riveting or bolting - Shop				Structural strength
Inspection of riveting or bolting - Field				Los Angeles rotting
Sample and test high strength bolts and washers				Clay dilatometer (method)
BRICK AND BLOCK				Flexibility tests
Sample and test				Volumetric change
Test only				MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE
Inspection of piling				
Cone drill samples				
GLUED LAMINATED STRUCTURAL LUMBER				
Fabrication inspection				
Sample and test steel accessories				
Inspect fabrication of steel accessories				

3 1/2" x 3 1/2" x 1/4" SQ. COL. C7X9.8
10 ga. & 12 ga. ROOF CEE
6 3/4"x14 GA. JOISTS
6 3/8" x 12 ga. JOIST

6" x 14 ga. ROOF JOIST
4" x 12ga. ROOF JOIST

3 1/2" x 10 ga. ALT. JOIST
2"x16 ga. STRAPS

List of structural steel members to be tested:
TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.1.1

Copies of Reports to:
DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: _____
AUTHORIZED REPRESENTATIVE

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BUILDING DATA
2000 CLASSROOMS

OCCUPANCY	E-2
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	960 SQ FT
FIRE MARSHAL- CALIFORNIA BUILDING CODE (CBC)	
STRUCTURAL - 1998 CALIFORNIA BUILDING CODE (CBC)	
MODULES	MOMENT-RESISTANT
SYSTEM	(2) 12' X 40' MODULES
FOUNDATION	PRESSURE TREATED WOOD
SEISMIC	ZONE 4

TITLE 24, PART 2, CCR (1997 UBC W/ CAL. AMENDS)
TITLE 24, PART 3, CCR (1997 NEC W/ CAL. AMENDS)
TITLE 24, PART 4, CCR (1997 UMC W/ CAL. AMENDS)
TITLE 24, PART 5, CCR (1997 UPC W/ CAL. AMENDS)
TITLE 24, PART 9, CCR (1997 UFC W/ CAL. AMENDS)
TITLE 24, PART 12, CCR (1997 STD. W/ CAL. AMENDS)
TITLE 19

SEISMIC SOURCE A
DISTANCE FROM SEISMIC SOURCE ≤ 2 KM
SOIL TYPE S

RELOCATABLE BUILDING P4



333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

FILE NO. _____
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. _____
AC. _____ FLS. _____ SS. _____
DATE _____

JOB NO. _____
DATE: APRIL 25, 2000
SHEET NUMBER
TS-1
BINDING ORDER 1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

- GENERAL
 - THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 - NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 - ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 - SCOPE OF WORK
 - THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
 - ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 - GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 - INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 - ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 - OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
 - ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 - CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 - THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 - ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 - EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 - ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 - SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 - THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
- FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
- ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

- ASSUMED ALLOWABLE SOIL BEARING- 1000 PSF.
- FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL. APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE:THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-COMMENTAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

- ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
- WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- ACCESSIBILITY OF SITE THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING				
DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5 STEEL

- GENERAL ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
- WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLY WITH THE REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 2231.A.5 WELDING ELECTRODE SHALL BE E70XX.
 - STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36
 - PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%
 - STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
 - STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- ERECTION - STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- NAILS,BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 - BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MT28B.
- HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
- SHOP PAINT
 - EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.
- TESTS
 - PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER 1-24 PART 2,CCR SECTION 2231.A.1.

SECTION 6A CARPENTRY

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY
- MATERIALS LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17 OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD,OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CBC EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO
 - JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR #4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
 - HEADERS,POSTS AND TIMBERS-DOUGLAS FIR #4S #1
 - BLOCKING - DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.
 - SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR APWB STAMP. LP-22 GROUND CONTACT,D.F.#2 ABOVE GROUND.
 - PLYWOOD ROOF DECKING - SEE A/53
 - PLYWOOD FLOOR DECKING - APA STURD-IN-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8"NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
 - EXTERIOR SIDING/SHEATHING - APA TYPE 303,EXTERIOR.
 - MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
 - STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.
 - FASTENERS - DOUG FIR #2 OR HEM FIR #2 CORROSION RESISTANT PER CBC 2318A.3.4 COMMON NAILS - For Ex & Siding and Endn Only.
 - BUILDING TRIM - 2X RESAWN SELECT D.F.,H.F.,OR CEDAR
 - DOOR/WINDOW TRIM - 1X4 REWAWN D.F.,H.F.,OR CEDAR.
 - FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
 - FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
 - ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
 - FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
 - WORKMANSHIP
 - FRAMING - SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - NAILING - IN ACCORDANCE WITH TITLE 24,PART 2, CALIFORNIA BUILDING CODE, TABLE 23A-11-B-1
 - EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 - MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
 - TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
- MATERIALS
 - SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A528. MINIMUM 28 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - LEADER - OF STAND.GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32
 - FLUX - ZINC SATURATED MURIATIC ACID.
 - GUTTERS, 26 GA. G-90 GALV. STEEL. DOWNSPOUTS, 2"x3" CONVULGATED 30 GA. G-90 GALV. STEEL. GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL. GUTTER CLIPS: 18 GA. G-90 GALV. STEEL.
- WORKMANSHIP SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES. CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
- MATERIALS
 - ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING SHEET STL PANELS (G90).
 - ROOFING: CLASS B FIRE RATING

SECTION 7J SEALANT

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.
- MATERIALS VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
- WORKMANSHIP SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE

CONCRETE (IF USED)

- CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
- REINFORCING BARS,ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL
- EXPANSION JOINT FILLER: ASTM D994
- FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER; OR METAL FORMS.
- PLACING REINFORCEMENT, PLACING CONCRETE SURFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24, PART 2.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
- MATERIALS
 - DOORS - TYPE L FULL FLUSH, MANUFACTURED BY ANWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN.REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 - FRAMES - 18 GA. COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB - ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
- WORKMANSHIP ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION.DOORS AND FRAMES CLEANED THOROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8C FINISH HARDWARE

- SCOPE OF WORK CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.
- SCHEDULE FOR EXTERIOR DOORS SEE NOTE ON FLOOR PLAN.
- SPECIAL REQUIREMENTS
 - EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
 - CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
- MATERIALS
 - FOR EXTERIOR WOOD:

REF.BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
	EDWARDS	MOORE	WILLIAMS	
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XX	B54W2102	GE2-NXX
 - FOR INTERIOR TRIM

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
	EDWARDS	MOORE	WILLIAMS	
FINISH	W450-XX	1650-XXX	A26W11	40XX
 - FOR METAL

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
	EDWARDS	MOORE	WILLIAMS	
PRIMER	43-4	1710	B50N26	15N
FINISH	10-XX	1700-XXX	B54W2102	GE2-NXX
- WORKMANSHIP ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 - EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
 - INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
 - INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
 - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYO FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
 - RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-916-98A DATED JULY 1989. OR EQUAL.
- SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS
 - IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 - THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
 - CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

- SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES) CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
- EQUIPMENT SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
- WORKMANSHIP UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
- MATERIALS ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
 - ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX - GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
 - PANELBOARDS - FLUSH MOUNTED.
 - CONDUCTORS - COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #8, TYPE THW FOR LARGER SIZES.MINIMUM SIZE- #14.
 - RECEPTACLES - AS NOTED. +18" A.F.F. MIN.
 - CLOCK RECEPTACLE - AS NOTED.
 - SWITCHES - AS NOTED. +48" A.F.F. MAX.
 - LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
- WORKMANSHIP MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.)(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

- IN-PLANT INSPECTION.
- ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6) A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

TWO (2) APPROXIMATELY 12' x 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"x1" -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- MANUFACTURER'S BUILDING NUMBER.
- DESIGN WIND LOAD / EXPOSURE
- DESIGN ROOF LIVE LOAD
- DESIGN FLOOR LIVE LOAD
- D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE, ONE ON EXT. AND ONE ON INTERIOR MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' x 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

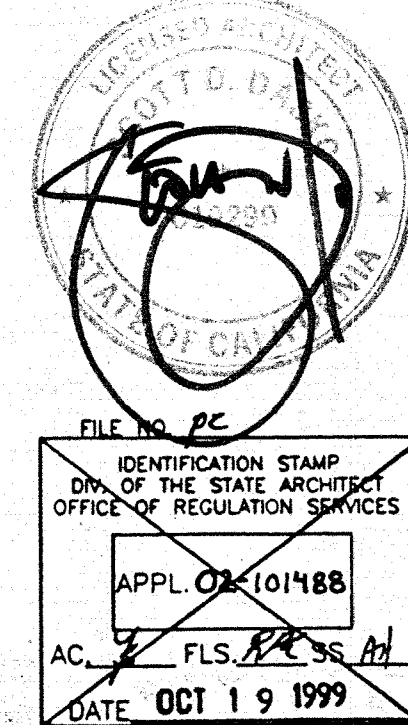
DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 24' x 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE OF THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT,FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.



CUSTOMER:

DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
SERIAL NO.

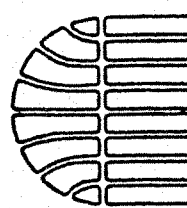
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SHEET No.

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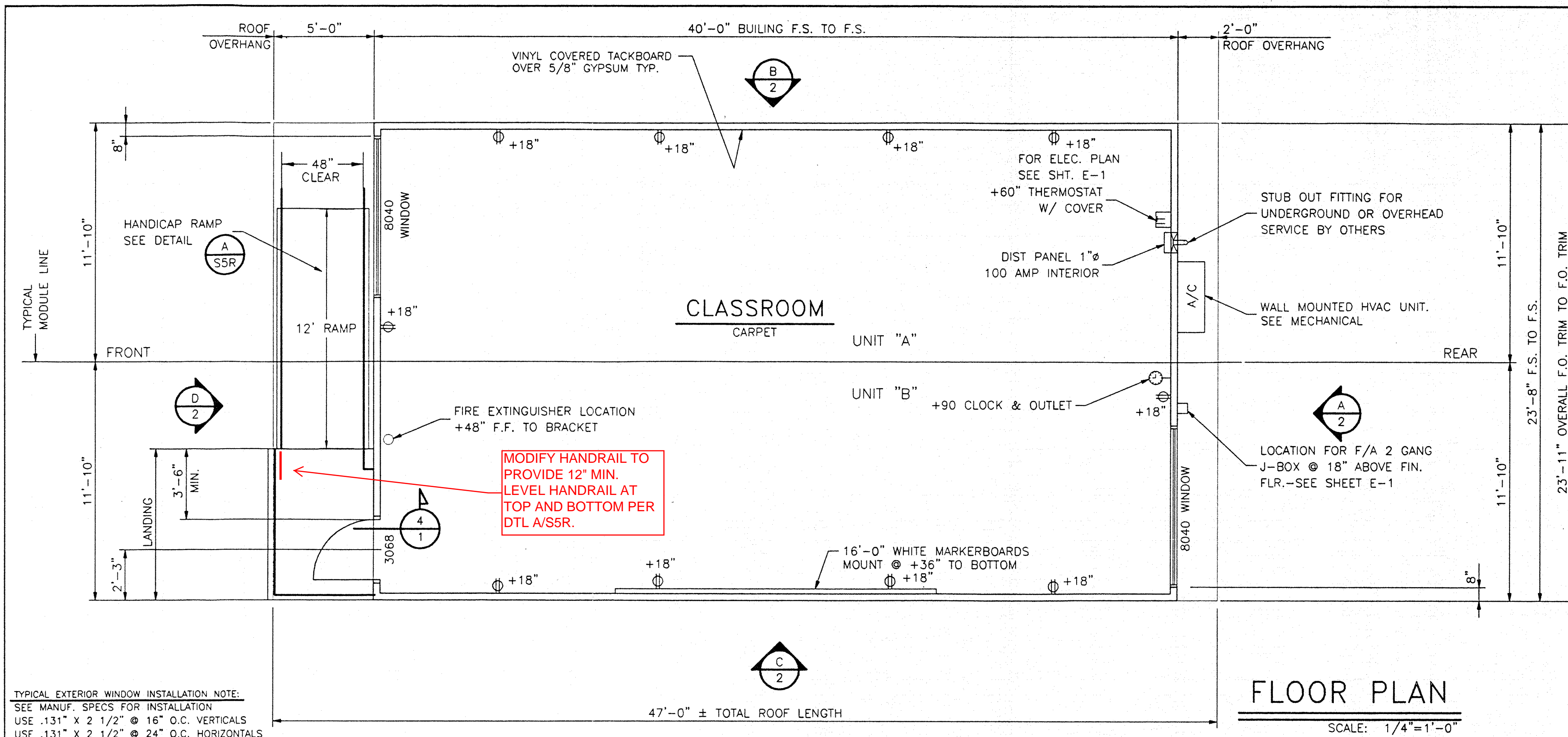


American Modular Systems

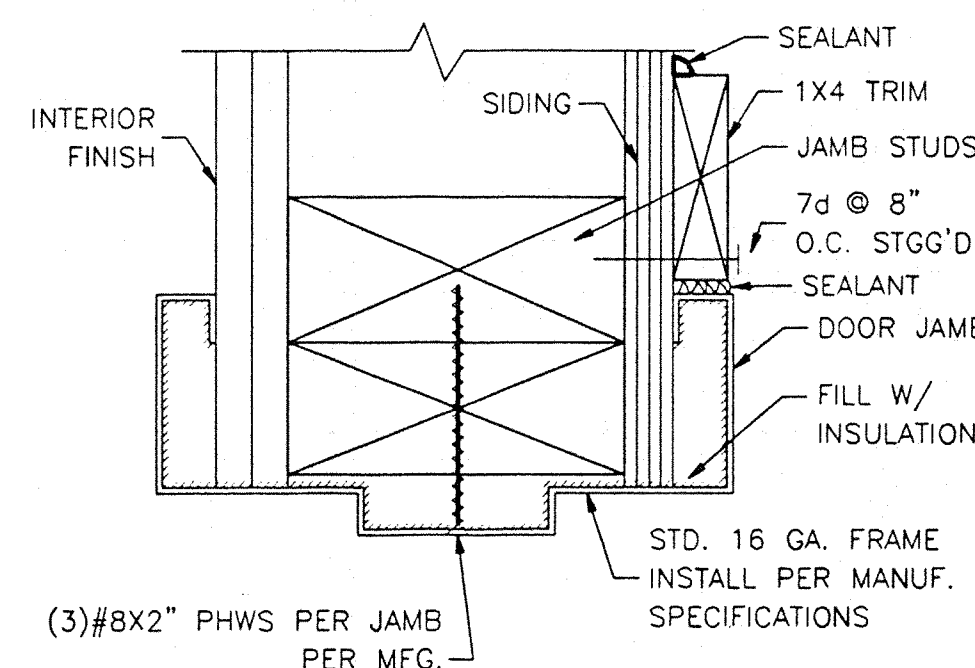
333 EAST CARNEGIE CT. MANTeca, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

GENERAL NOTES

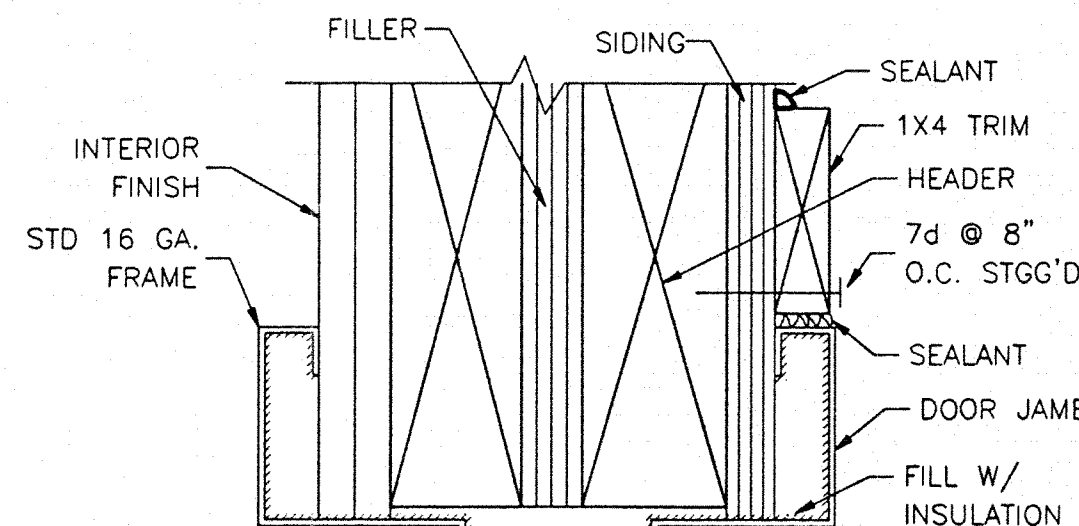
24 X 40
RELOCATABLE
CLASSROOMS



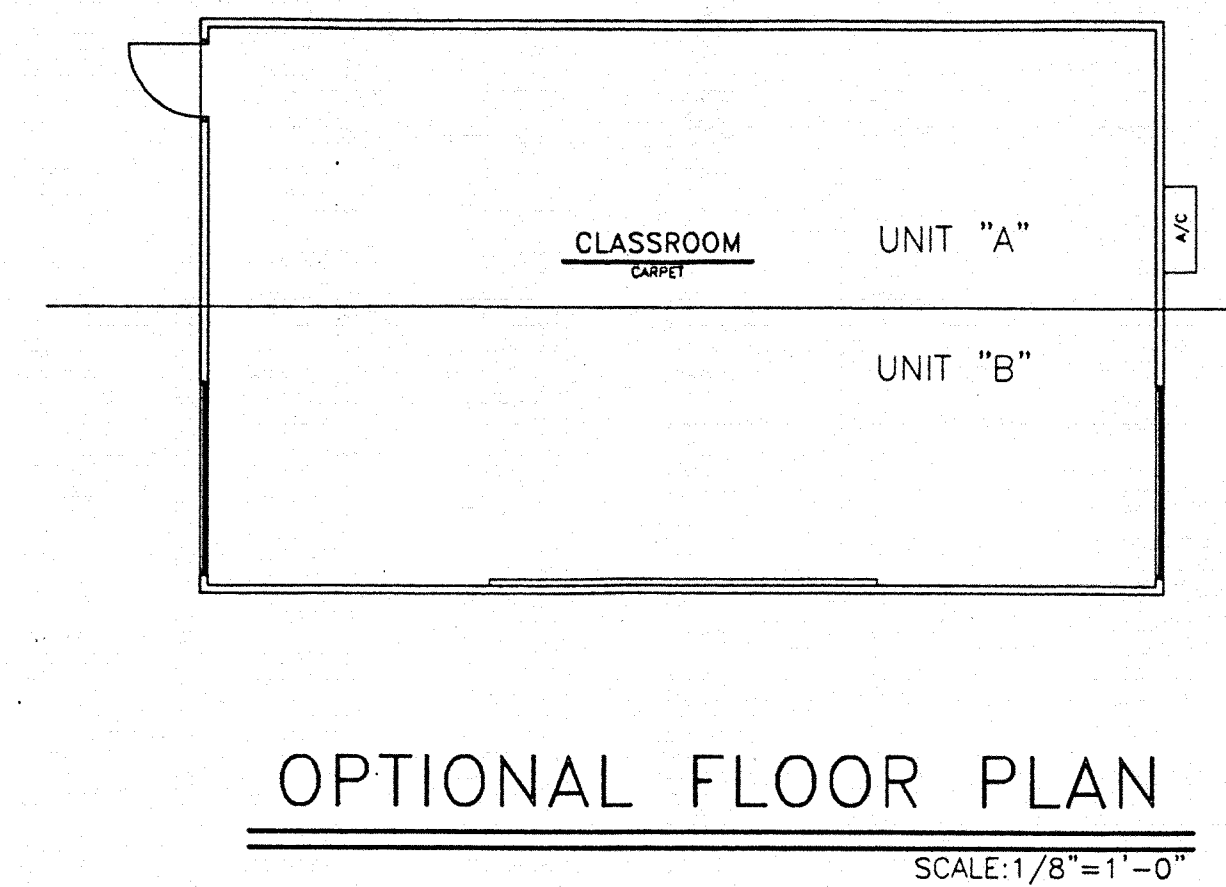
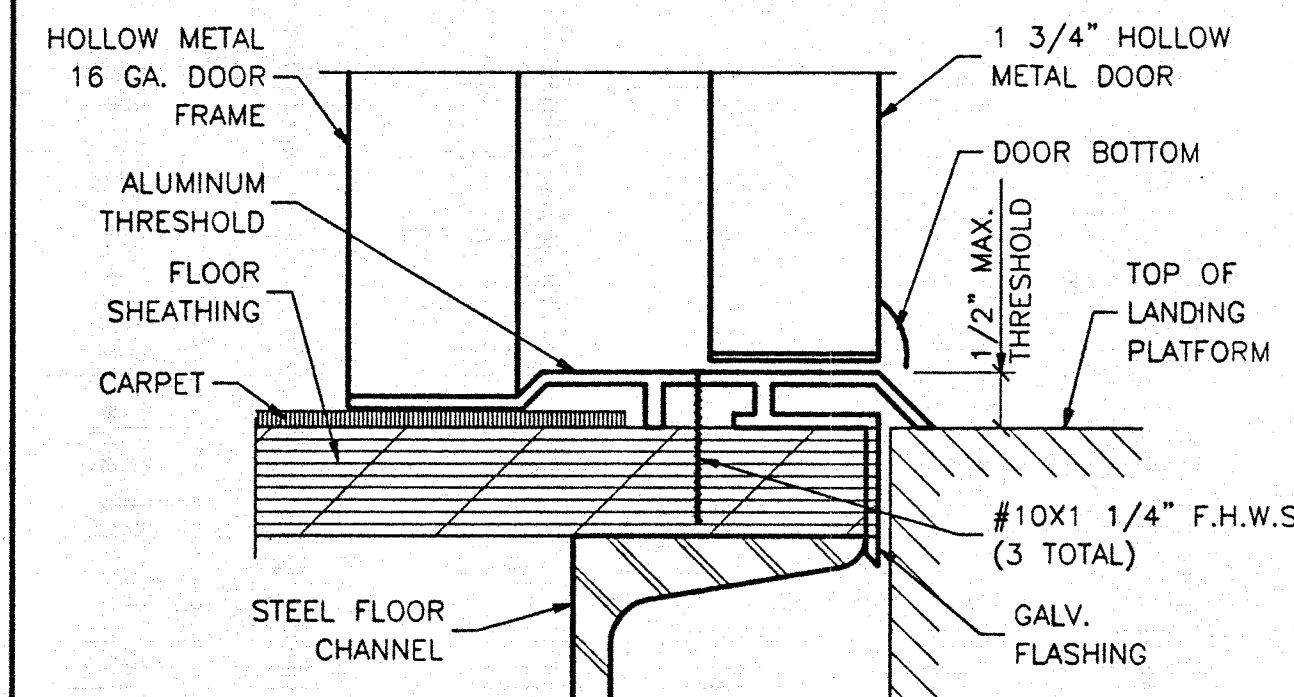
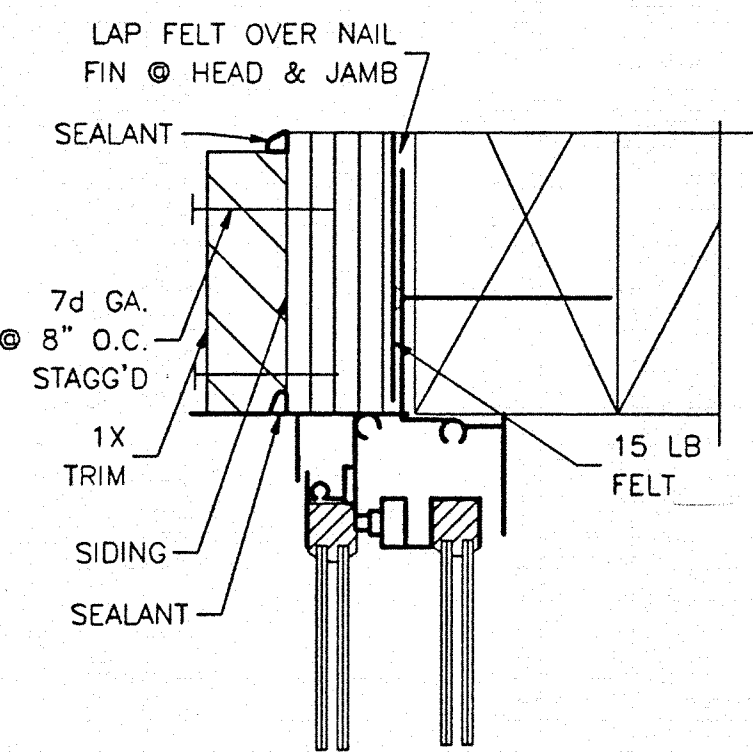
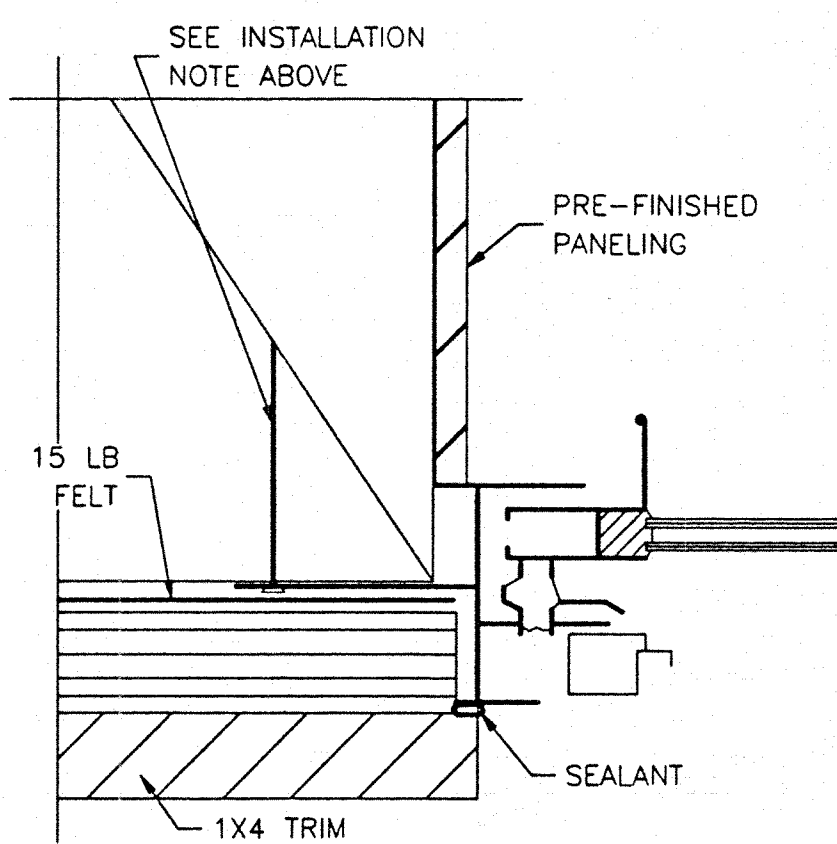
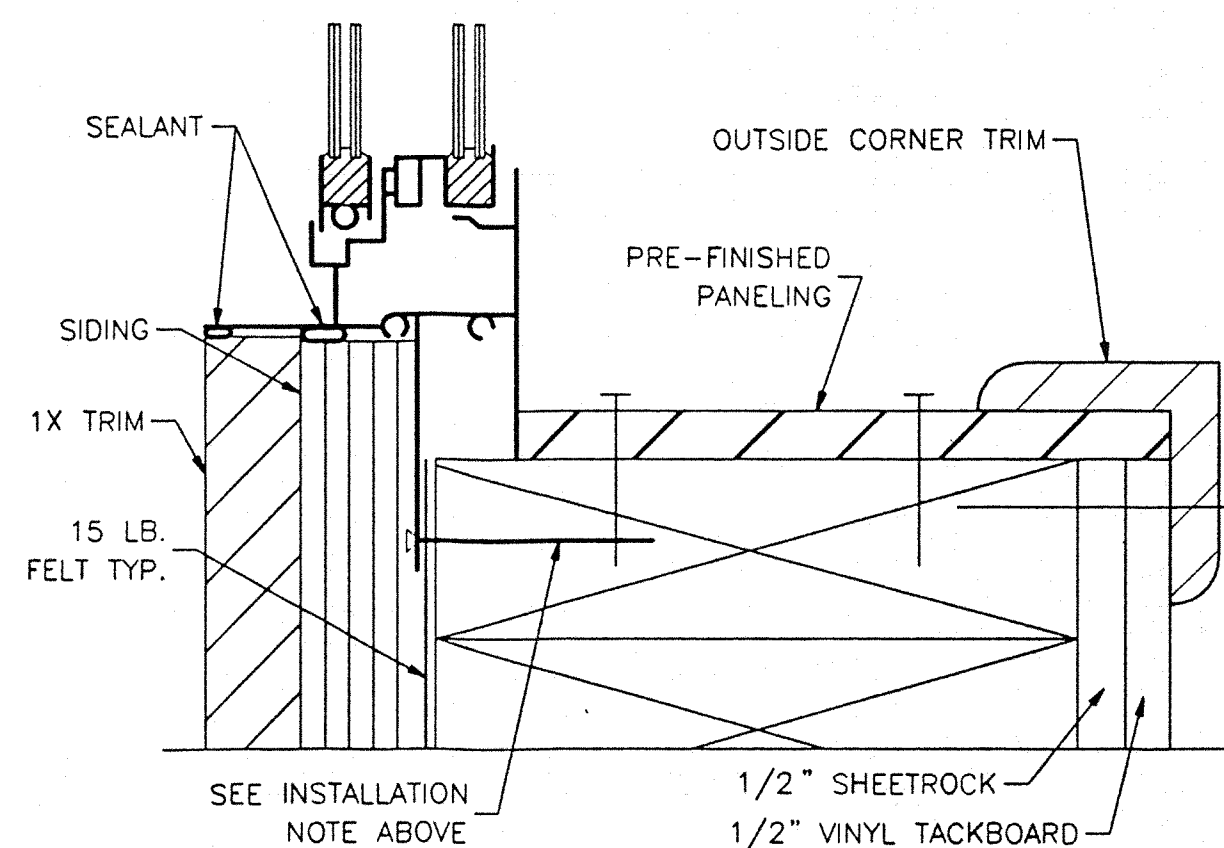
TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2" @ 16" O.C. VERTICALS
USE .131" X 2 1/2" @ 24" O.C. HORIZONTALS



NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



- NOTES**
- Floor:** Carpets - Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 7220-XXX-01, Group 1, Type A, Class 26. Color will be selected by District after award of bid. The carpet density shall be 4600 minimum. Pile yarn shall be branded nylon. No cross seams shall be allowed.
 - Base:** Resilient Cove Base - Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set. Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by Johnsonite Co., Flexco, or equal. Apply cove to complete perimeter of classroom.
 - Interior walls:** shall be vinyl covered tackboard U.N.O. applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendared base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped to the tackboard. Tackboard shall be applied over 5/8" sheetrock or 3/5" plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.
 - Ceiling:** Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501.A.5 and IR #47-4 inclusive as applicable to classrooms.

- DOORS & WINDOWS**
- Exterior Doors:** Metal Doors - 3'0"X6'8" hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & CS242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite - 3/16" minimum tempered glass or laminated as - 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite - 1/8" minimum clear tempered.

Minimum air space shall be 1/4".

Space - Bent or sealed corner aluminum with desiccant fill.

Sealer - Butyl primary seal and polysulfide of silicone secondary seal.

Certification - All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-BB voluntary spec. For aluminum prime windows and sliding glass (ANSI), commercial grade.

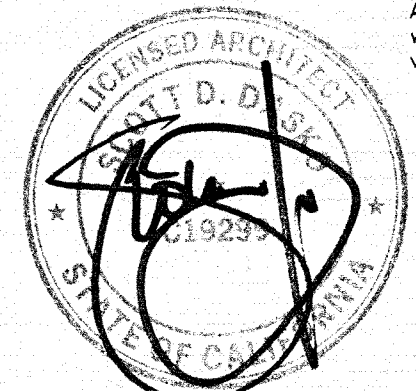
HARDWARE

- Exterior Door**
 - Hinges: HAGER 4-1/2X4-1/2 butts, BB1279 US260, 1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
 - Lockset: Classroom lever handle lockset, mortise or cylindrical type, Schlage D70PD (Rodes) or equal, US260 finish.
 - Closer: Norton 7500BF series, LCN 1460 Del series or equal.
 - Weatherstripping: All exterior doors shall be weatherstripped with Pemko 2990, Ultra W5007, at door jams and head or equal.
 - Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.
 - Doorstop: Quality #44, or equal.
 - Latchguard: BBW 9816, or equal.
 - Kickplate: BBW 37-10", or equal.

- FIRE EXTINGUISHER**
- Each portable classroom shall be equipped with pressure type fire extinguishers with 2A10BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

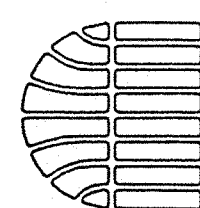
CHALKBOARD SPECIFICATIONS

Markerboards (mount @ +36" to bottom)
Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, per panel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 eo. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking w/ #8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.



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OFFICE OF REGULATION SERVICES
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AC. _____ FL. _____ SS. _____
DATE _____

24 X 40
RELOCATABLE
CLASSROOMS



American Modular Systems

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:
LODI UNIFIED SCHOOL DISTRICT
2000 CLASSROOMS

FLOOR PLAN & NOTES

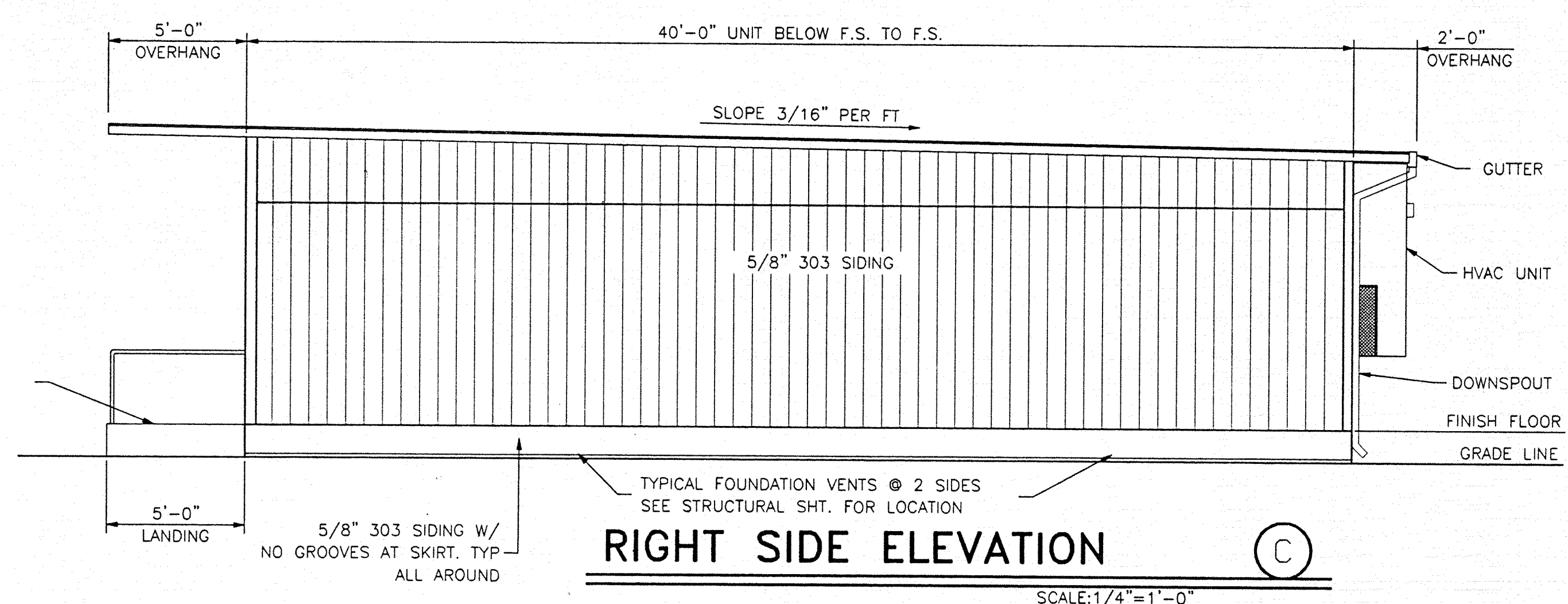
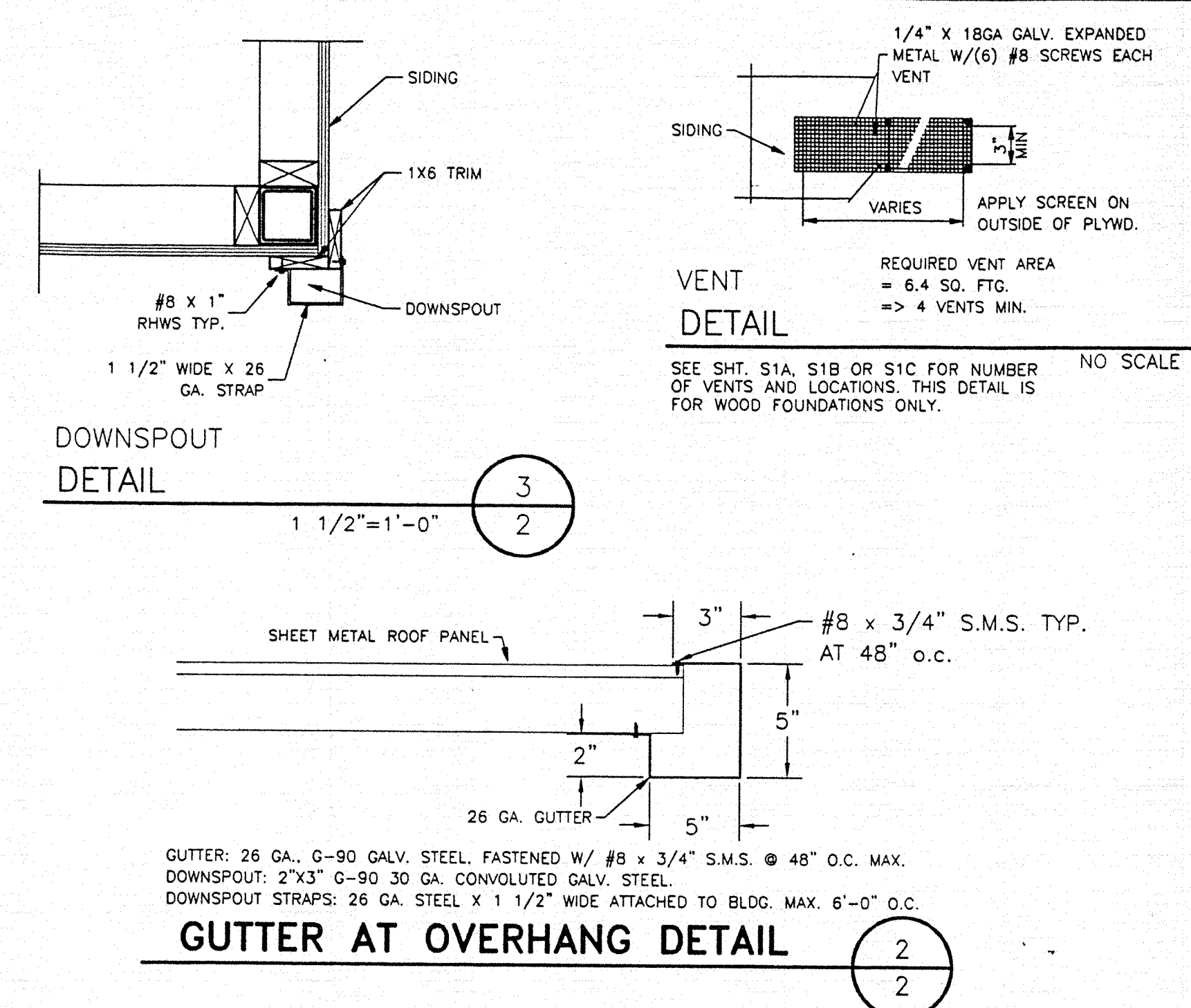
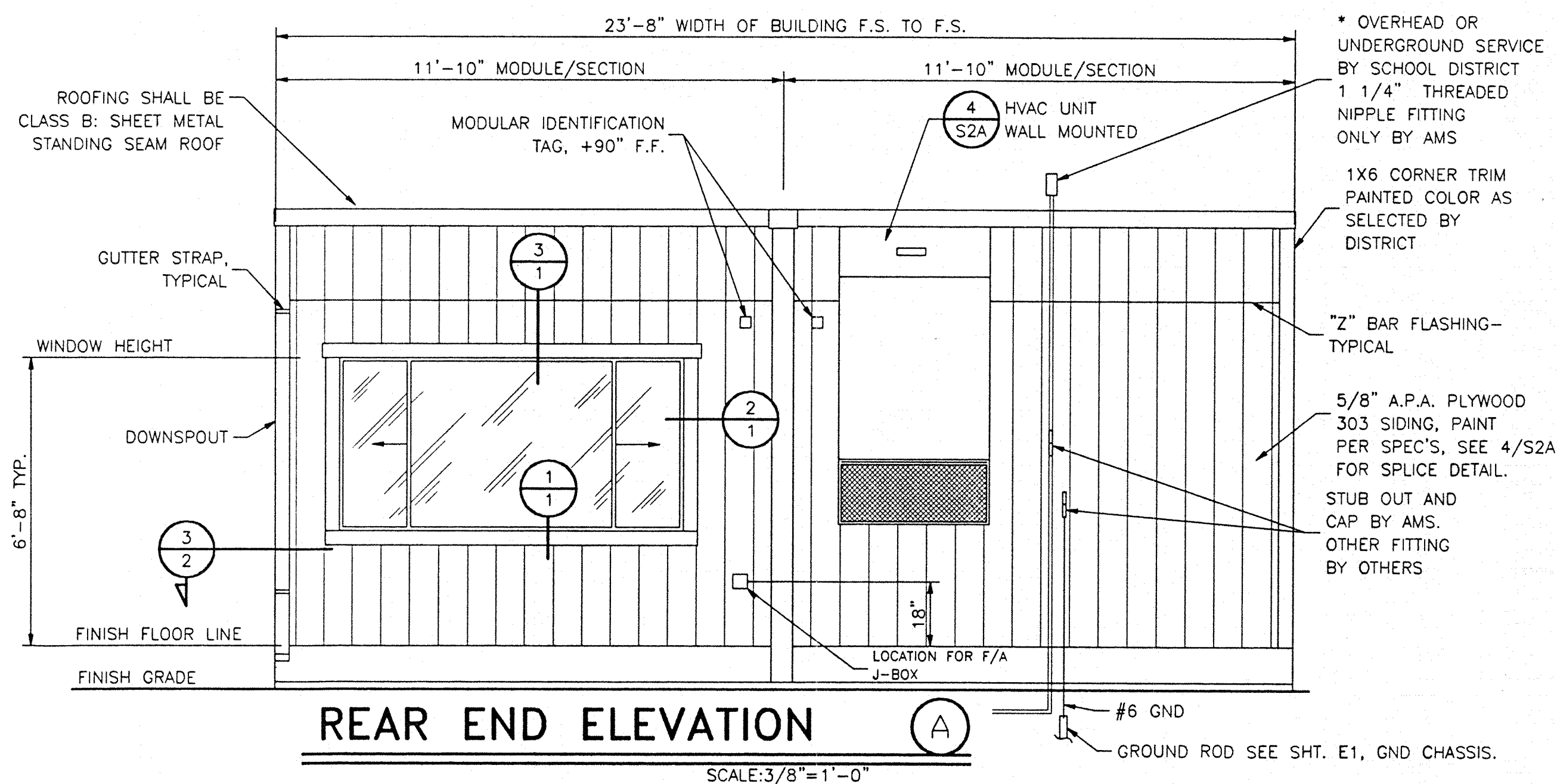
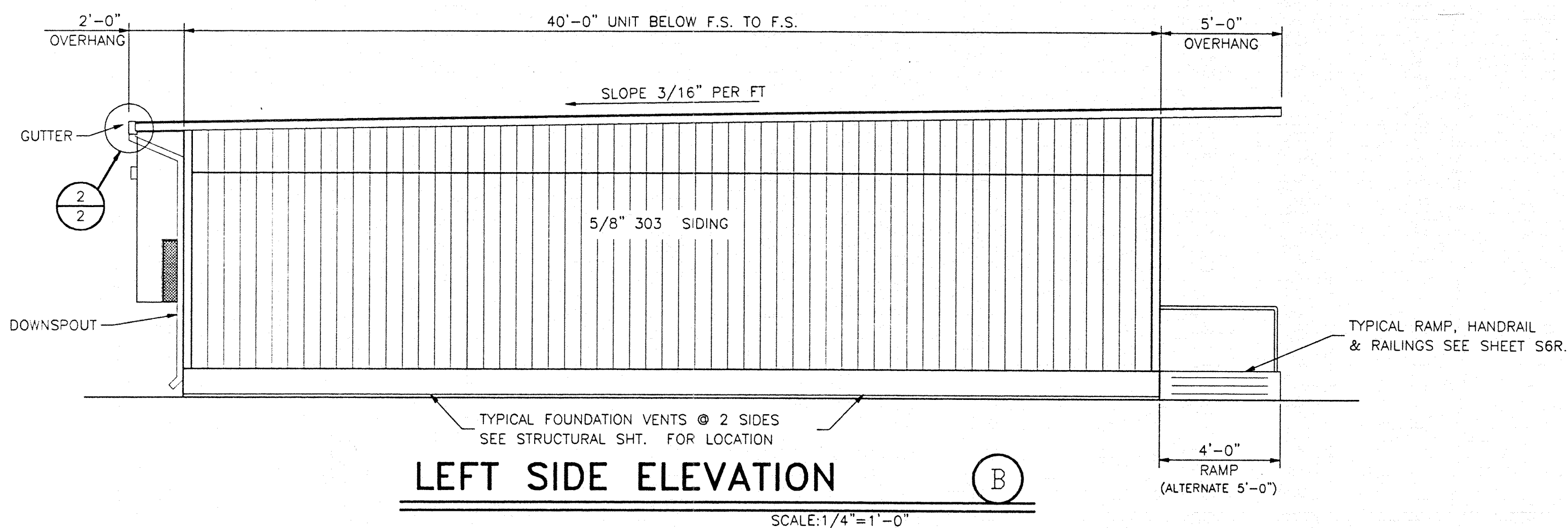
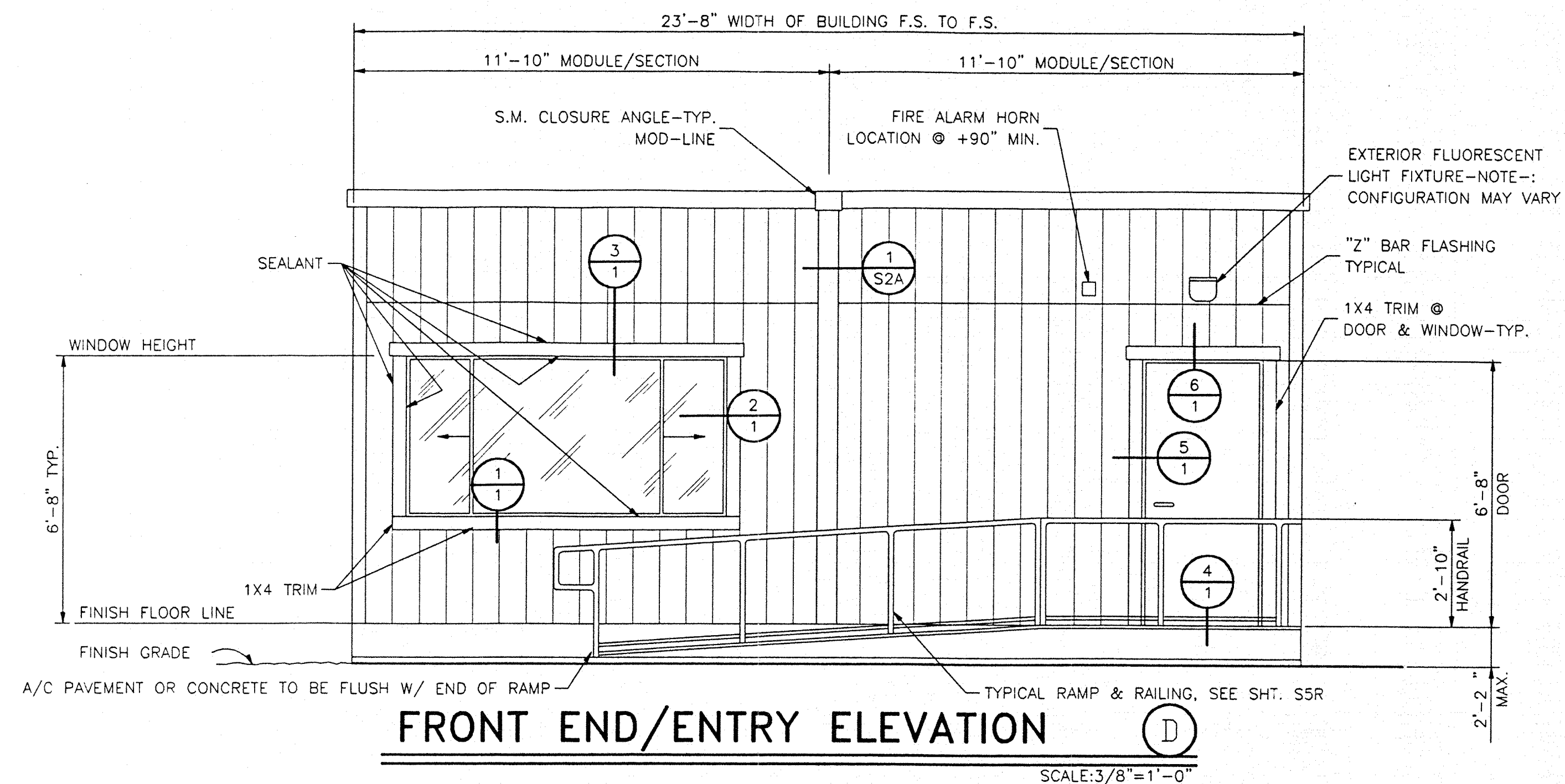
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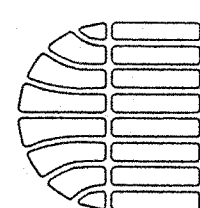
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CUSTOMER:
LODI UNIFIED SCHOOL DISTRICT
2000 CLASSROOMS

EXTERIOR ELEVATIONS

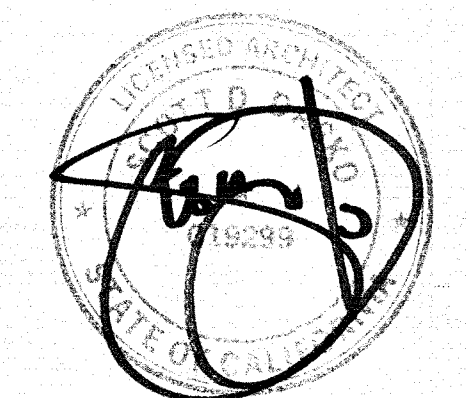
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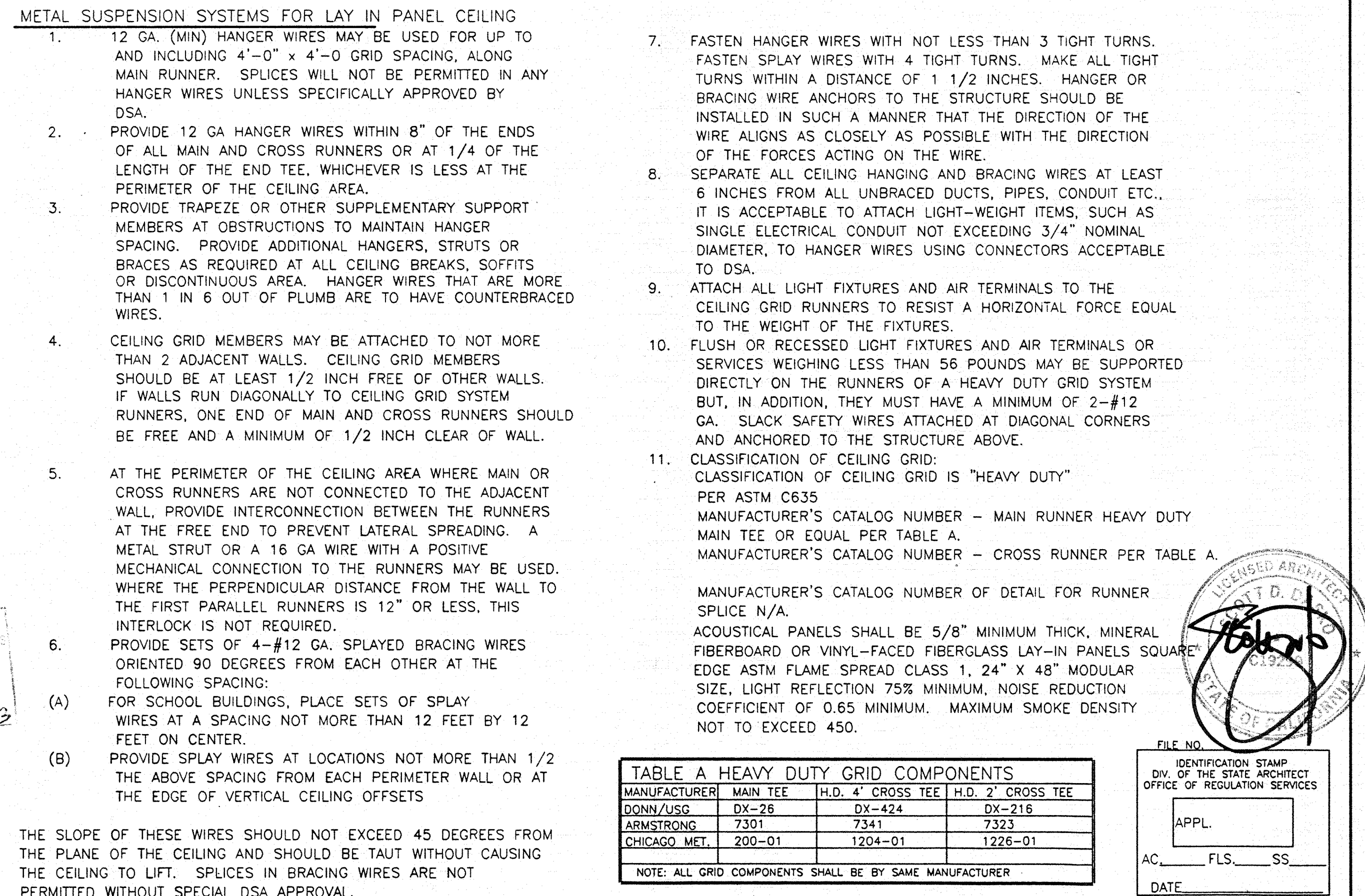
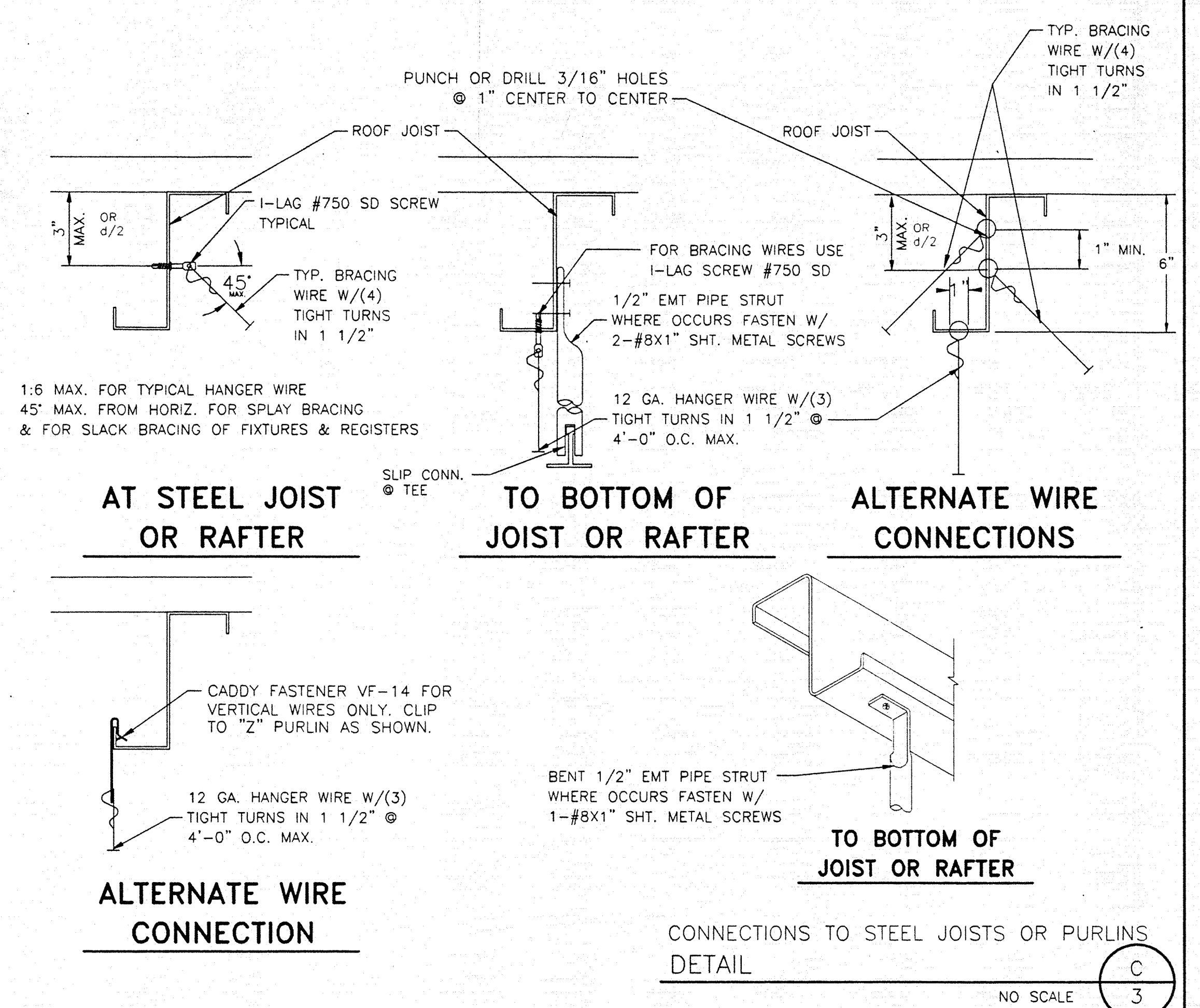
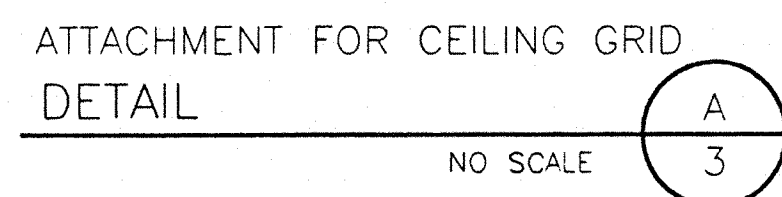
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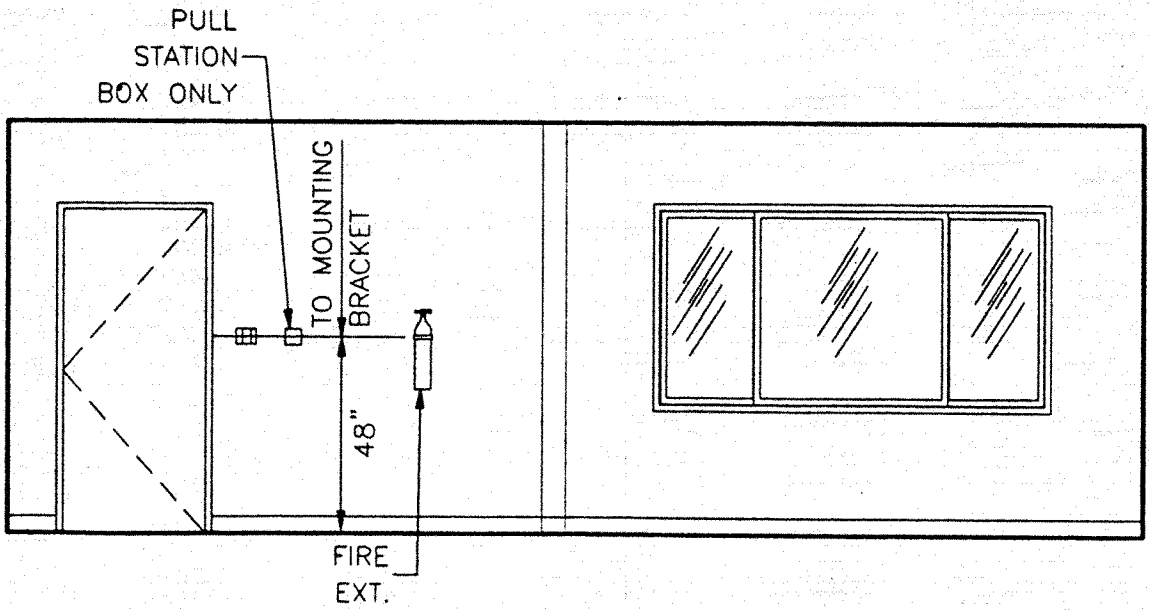
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL.

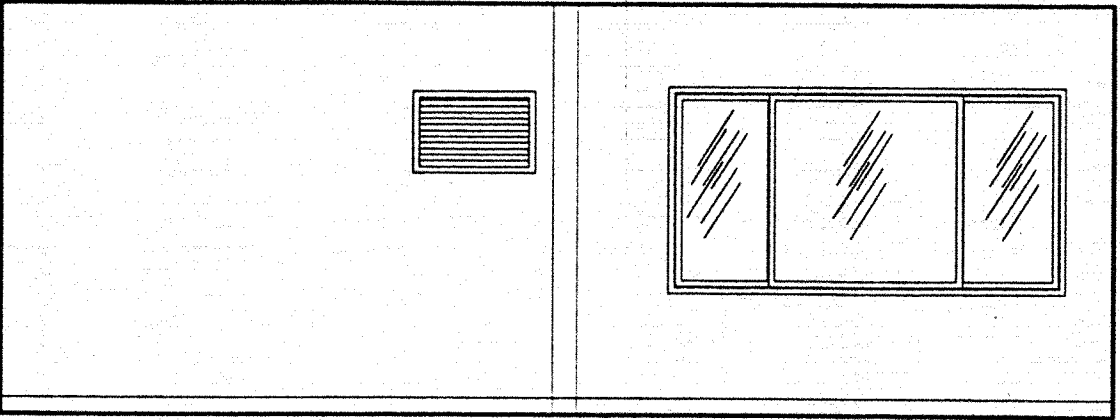
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DATE

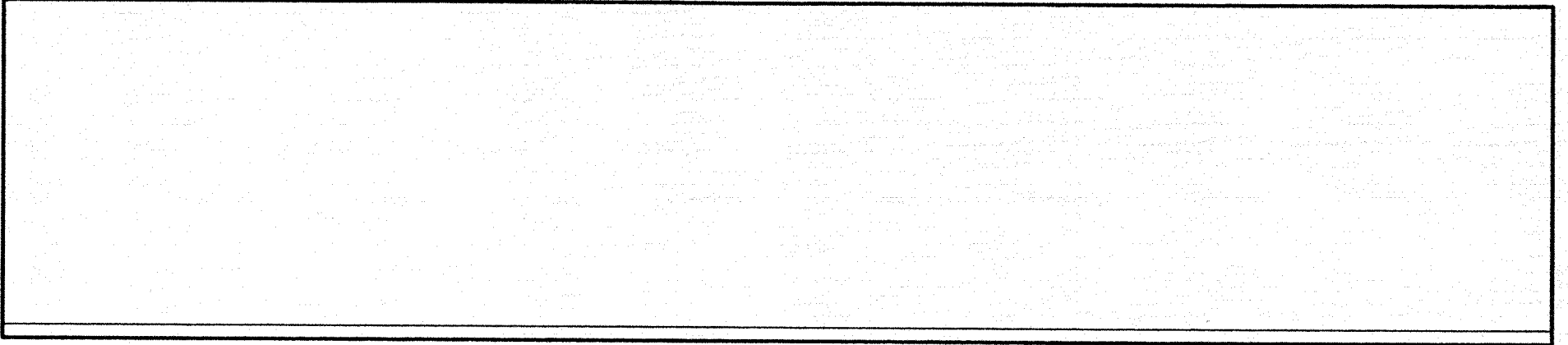




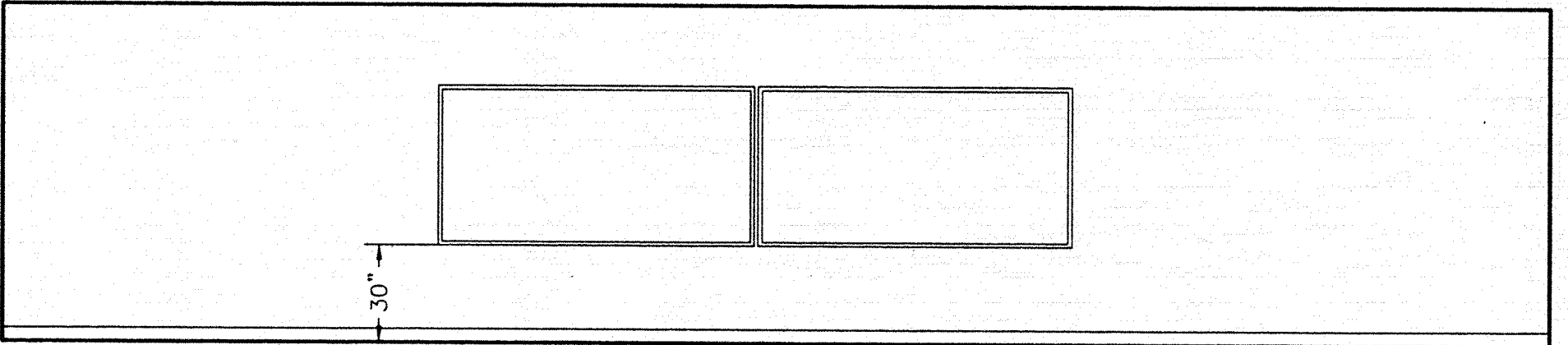
1 INTERIOR ELEVATION
4 1/4" = 1'-0"



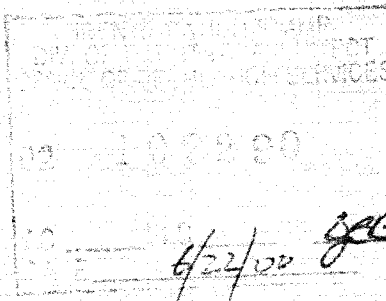
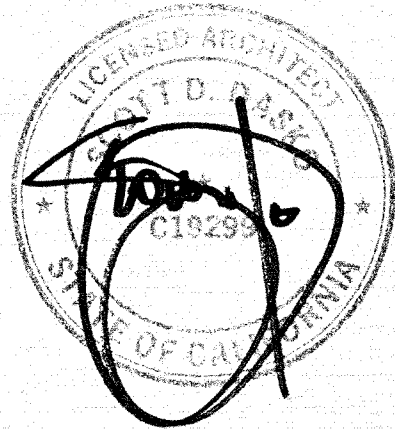
2 INTERIOR ELEVATION
4 1/4" = 1'-0"



3 INTERIOR ELEVATION
4 1/4" = 1'-0"

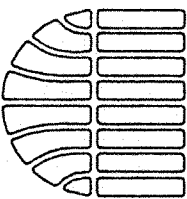


4 INTERIOR ELEVATION
4 1/4" = 1'-0"



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**American
Modular Systems**

CUSTOMER:
LODI UNIFIED SCHOOL DISTRICT
2000 CLASSROOMS

INTERIOR ELEVATIONS AND OPTIONS

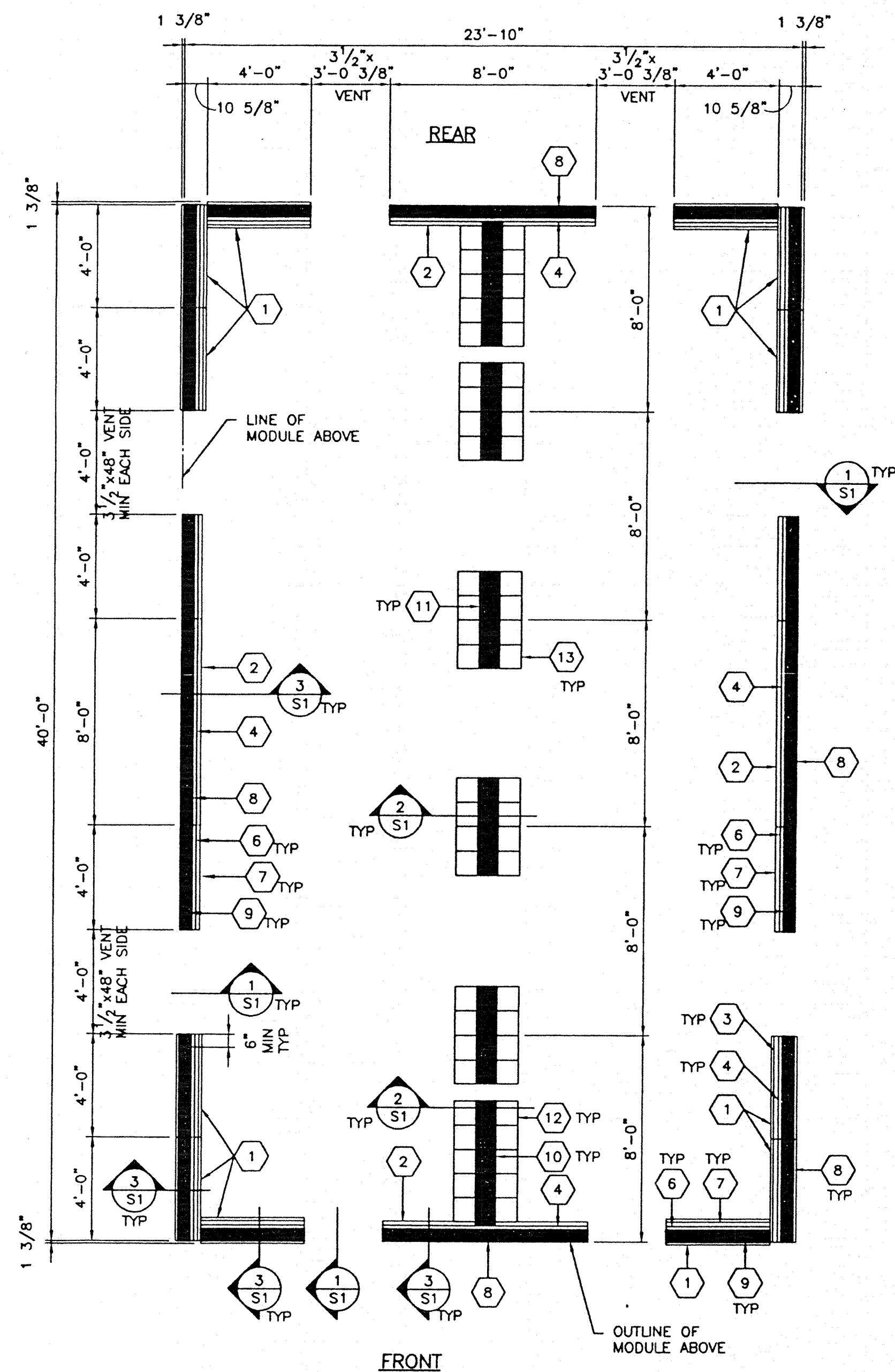
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LEGEND

- | | |
|--|---|
| 1 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD) | 8 MULTIPLE 2x6x8'-0" LONG AS REQ'D FOR HEIGHT |
| 2 2x10x8'-0" LONG PT R | 9 MULTIPLE 2x6x4'-0" LONG AS REQ'D FOR HEIGHT |
| 3 2x10x8'-0" LONG R | 10 2x10 R W/ SHIM, SEE 2/S1 |
| 4 2x8x8'-0" LONG R | 11 2x10 BLKG, SEE 2/S1 |
| 5 NOT USED | 12 (5)2x12x2'-6" OR (6)2x10x2'-6" OR (7)2x8x2'-6", SEE 2/S1 |
| 6 2x8x4'-0" LONG R | 13 (4)2x12x2'-0" OR (5)2x10x2'-0" OR (6)2x8x2'-0", SEE 2/S1 |
| 7 2x10x4'-0" LONG R | |

1" Ø GALV. PIPE LOCATIONS-TYPICAL

FOUNDATION PLAN

1/4" = 1'-0"

NOTES:

- TOP OF WOOD PADS TO BE LEVEL.
- DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
- SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
- FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
- PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 30'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
- VENT AREA REQUIRED=($\frac{100}{60} \times 5$)=6.4 SF
VENT AREA PROVIDED=6.44 SF

SILL RESTRAINT:

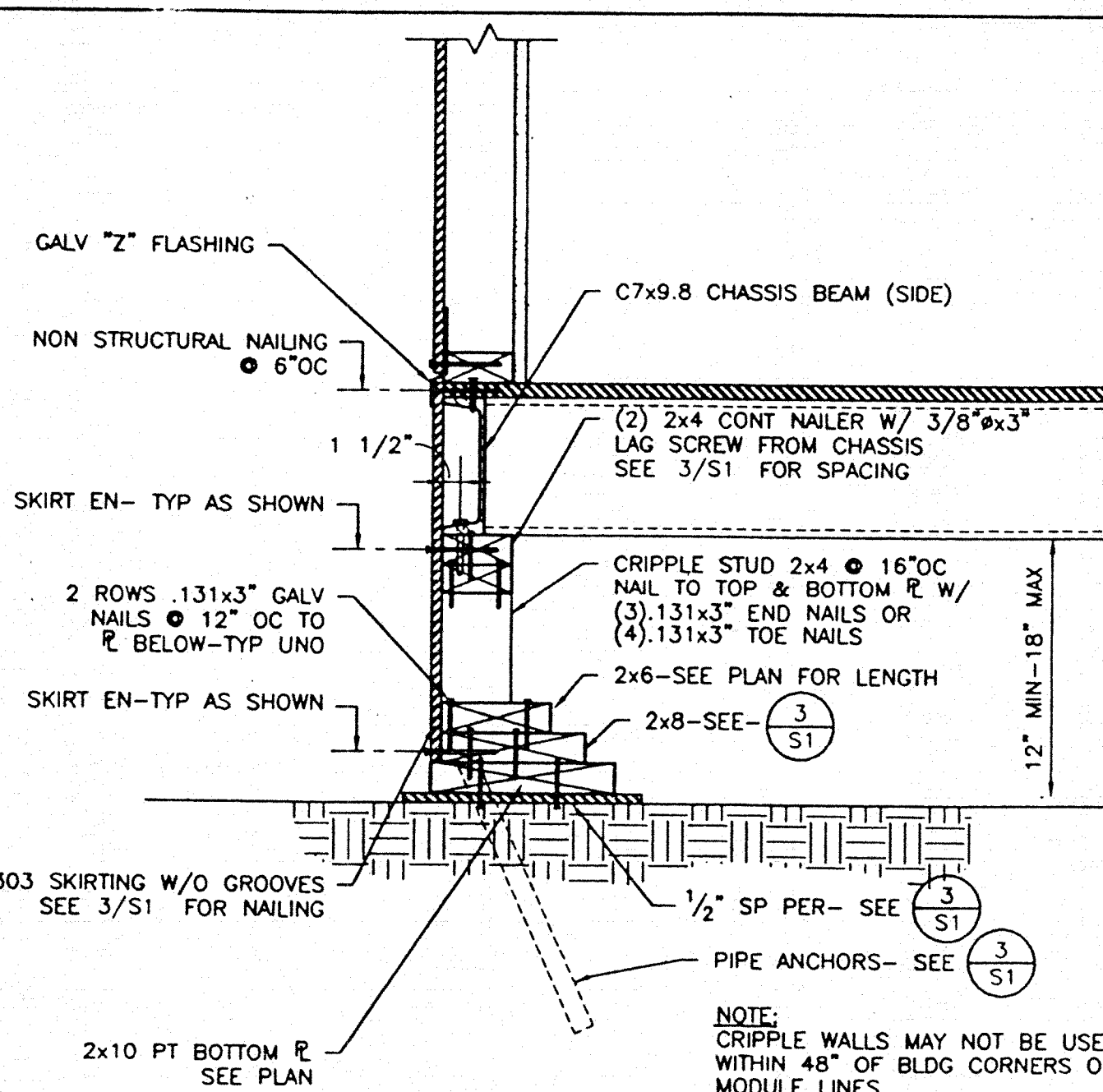
- ON SOIL: 1" Ø GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC MIN 2 EA 2x R DRILL SILL 1 1/4" MAX PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
- ON A/C PAVING: 1" Ø GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC (MIN 2 EA 2x R). DRILL SILL 1 1/4" MAX OR 20d NAILS THRU SILL R @ 4'-0" OC, 2 EA PIECE
- ON CONC PAVING: HILTI DS 82-P10 THRU SILL R @ 4'-0" OC, 2 EA PIECE

FOUNDATIONS:

ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: THE MATERIAL IN THIS UNIT WAS TREATED PER 1998 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM ANWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE Banded SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH Banded UNIT SHALL BE ATTACHED TO THE MATERIAL.

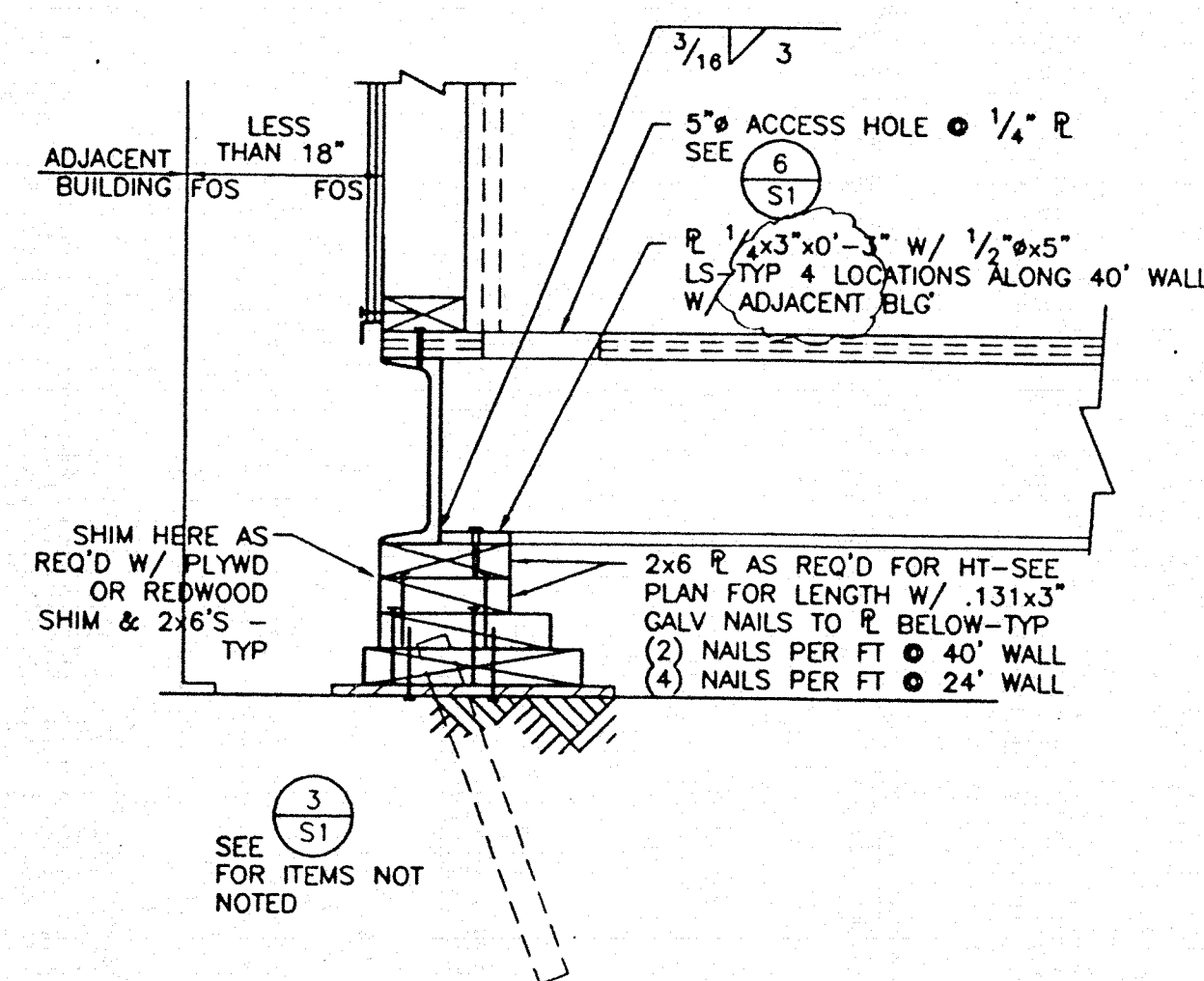
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.

INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



FOUNDATION DETAIL

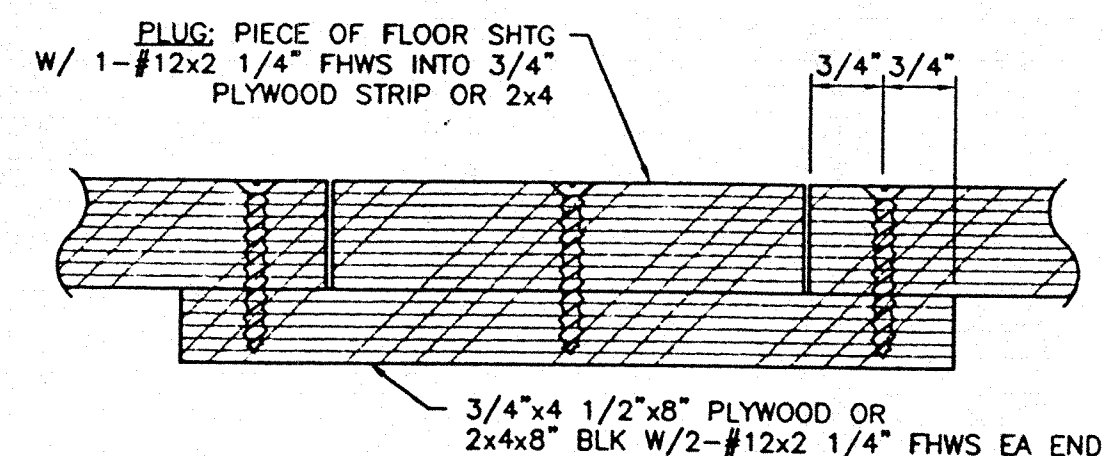
1 1/2" = 1'-0"



OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

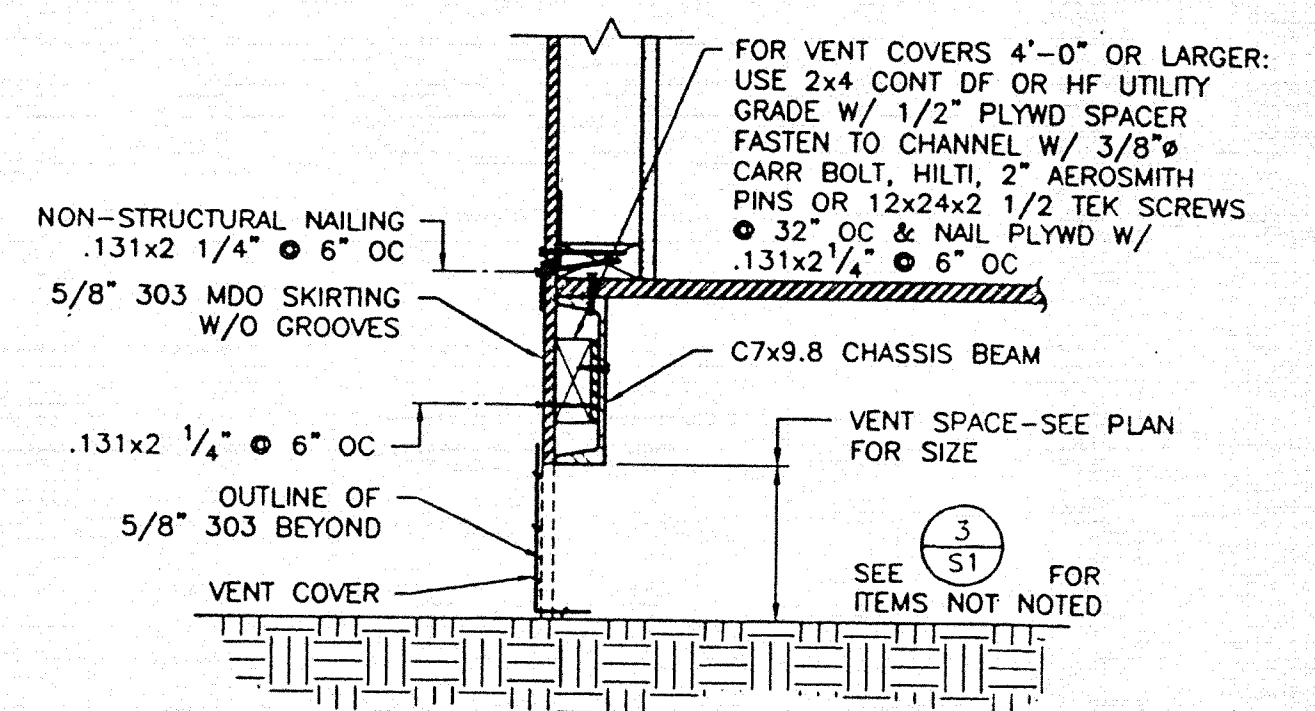
FOUNDATION DETAIL

1 1/2" = 1'-0"



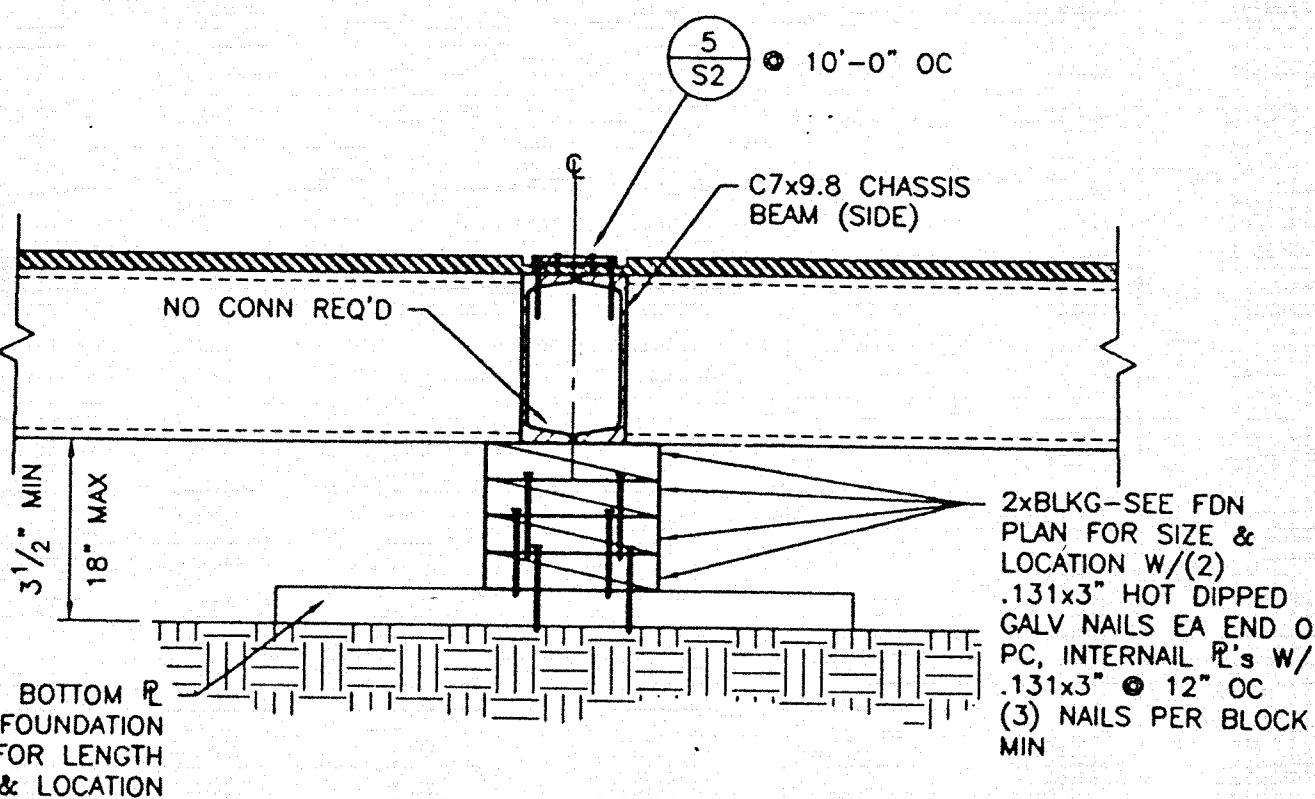
FILLER ACCESS HOLE DETAIL

NO SCALE



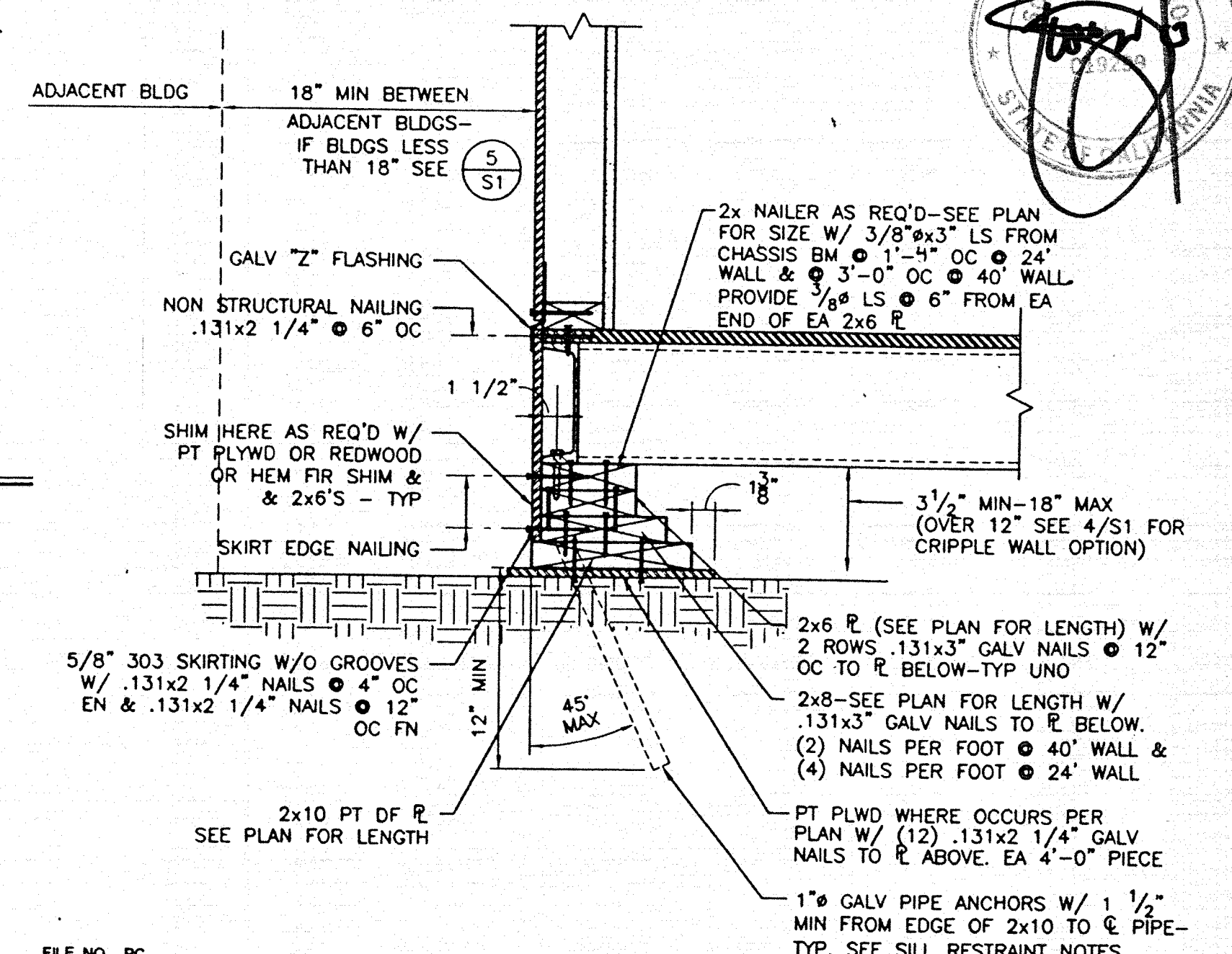
FOUNDATION DETAIL

1 1/2" = 1'-0"



DETAIL

1 1/2" = 1'-0"



FOUNDATION DETAIL

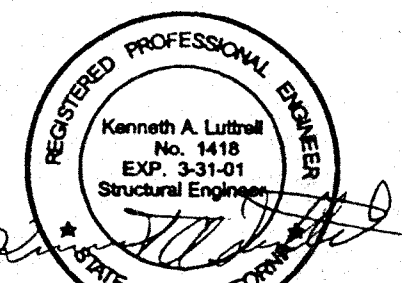
1 1/2" = 1'-0"

DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS				
NO	DATE	DESCRIPTION	NO	DATE

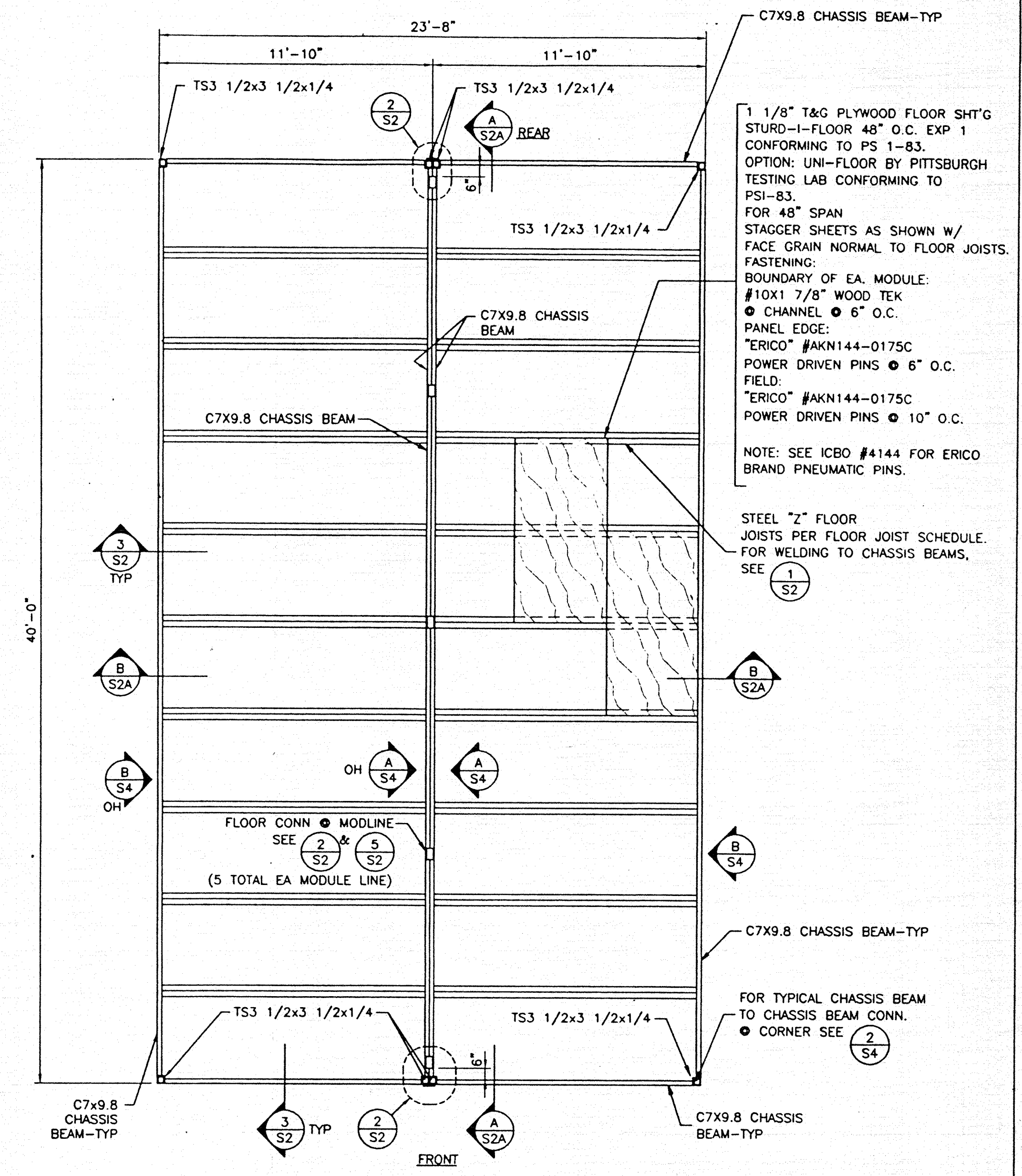
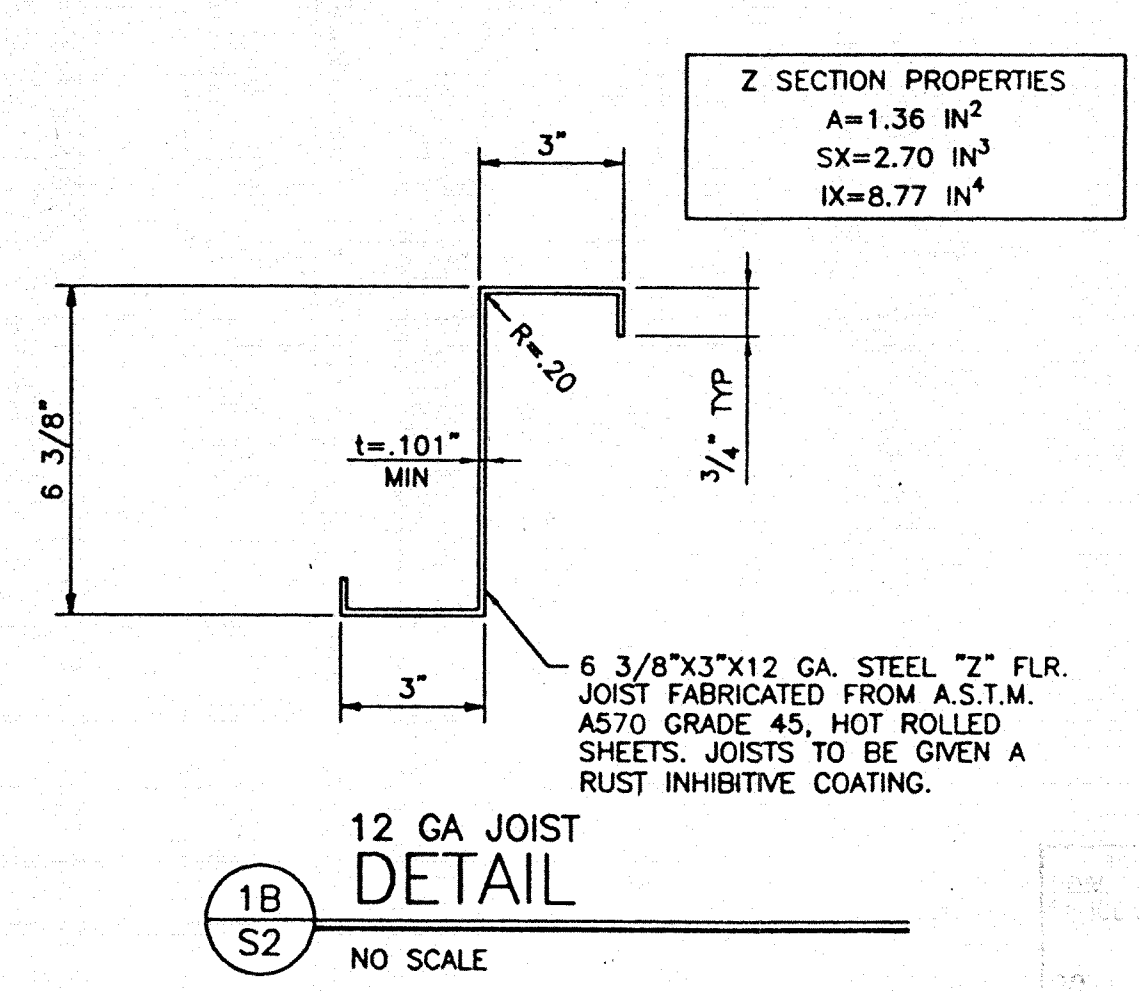
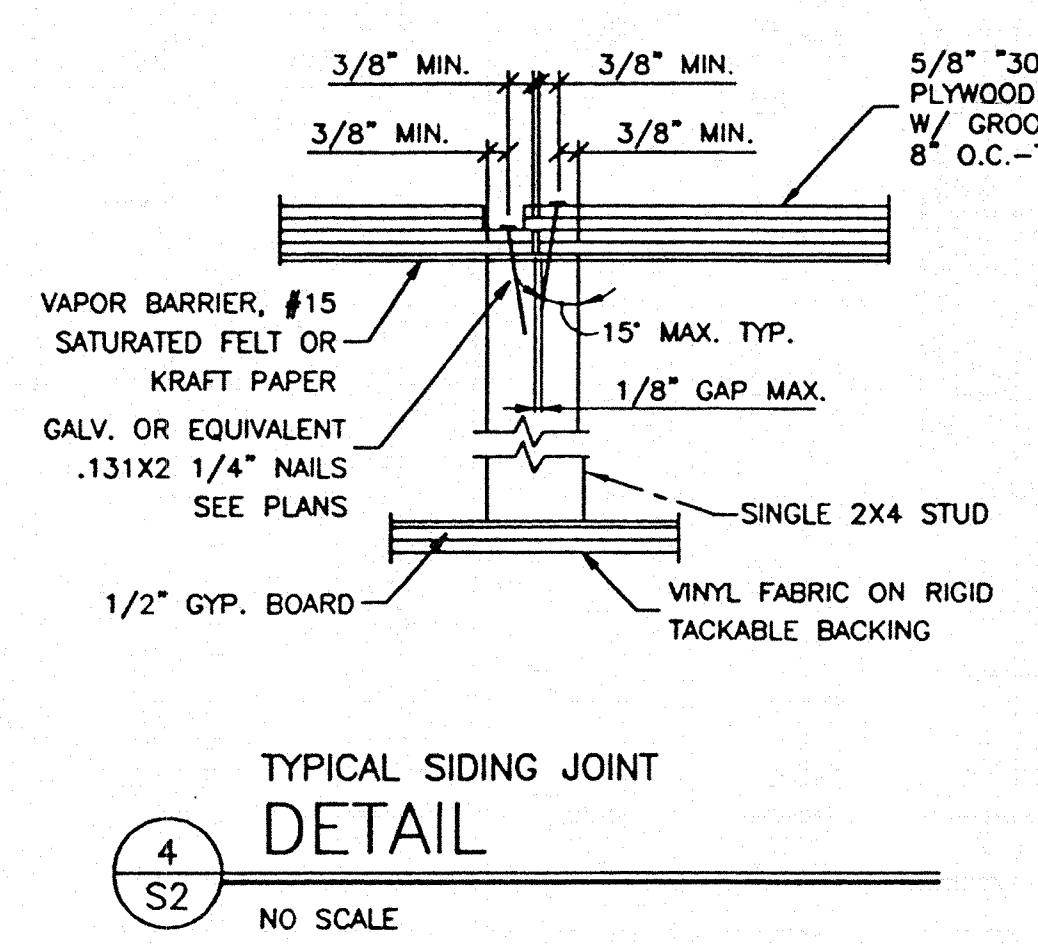
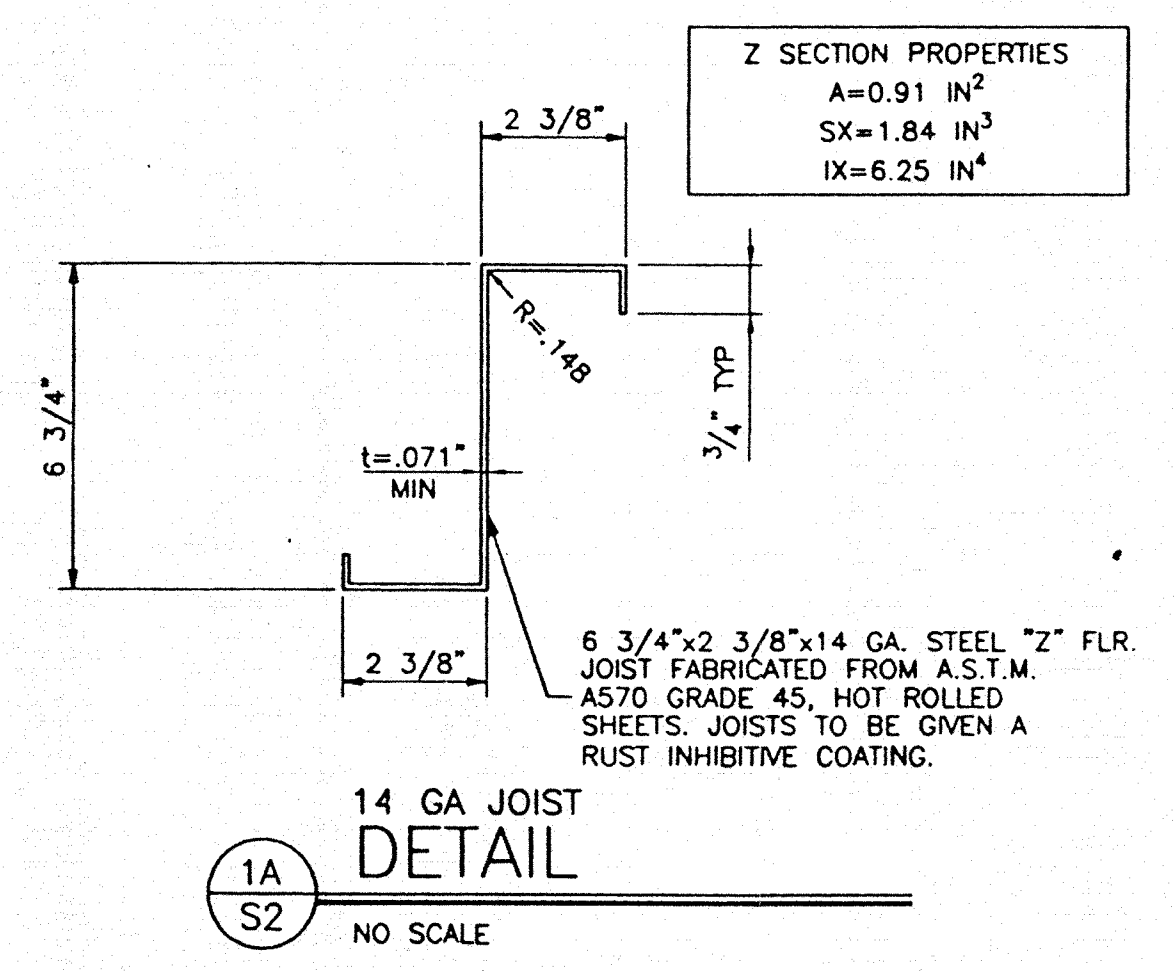
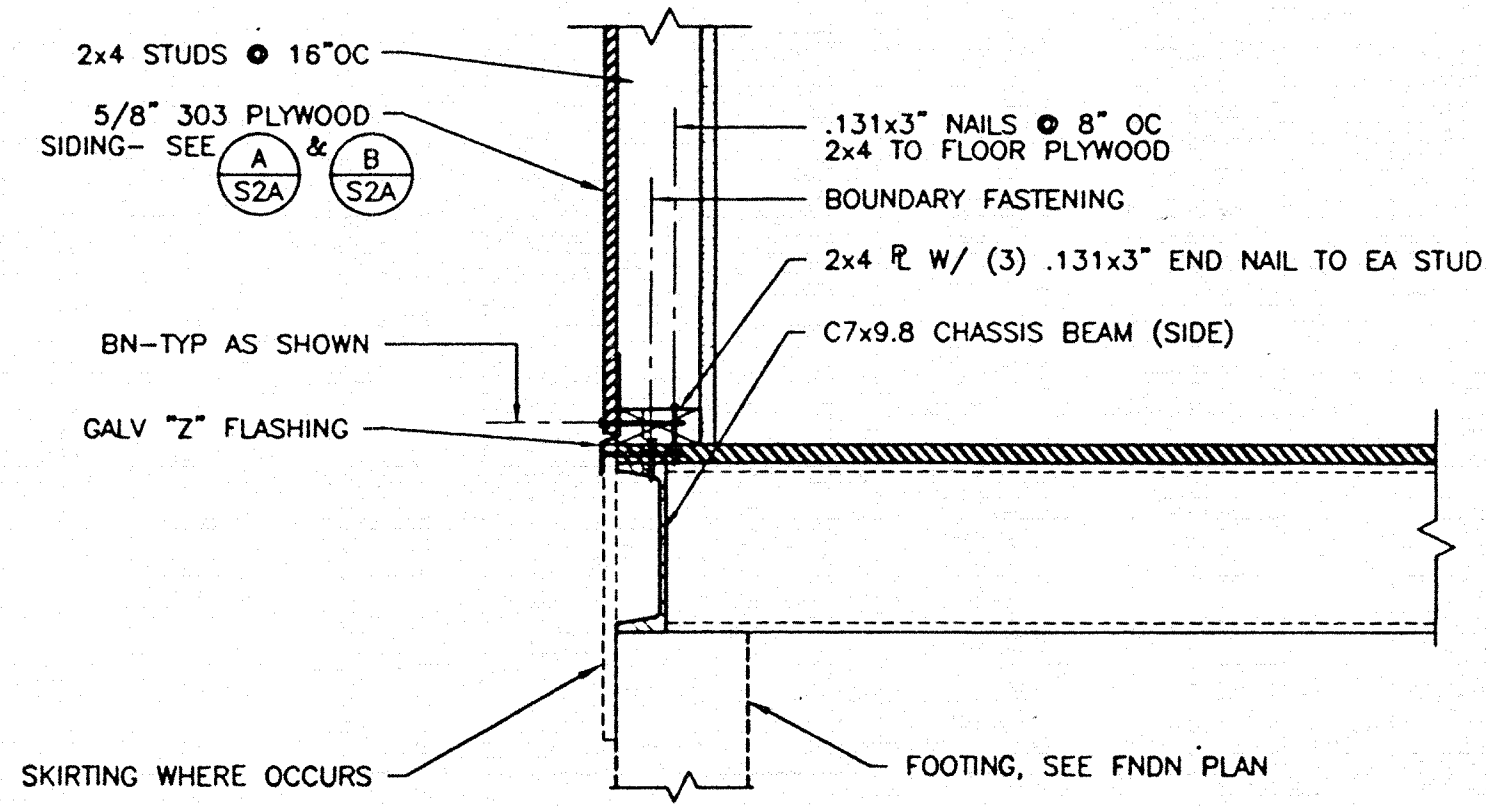
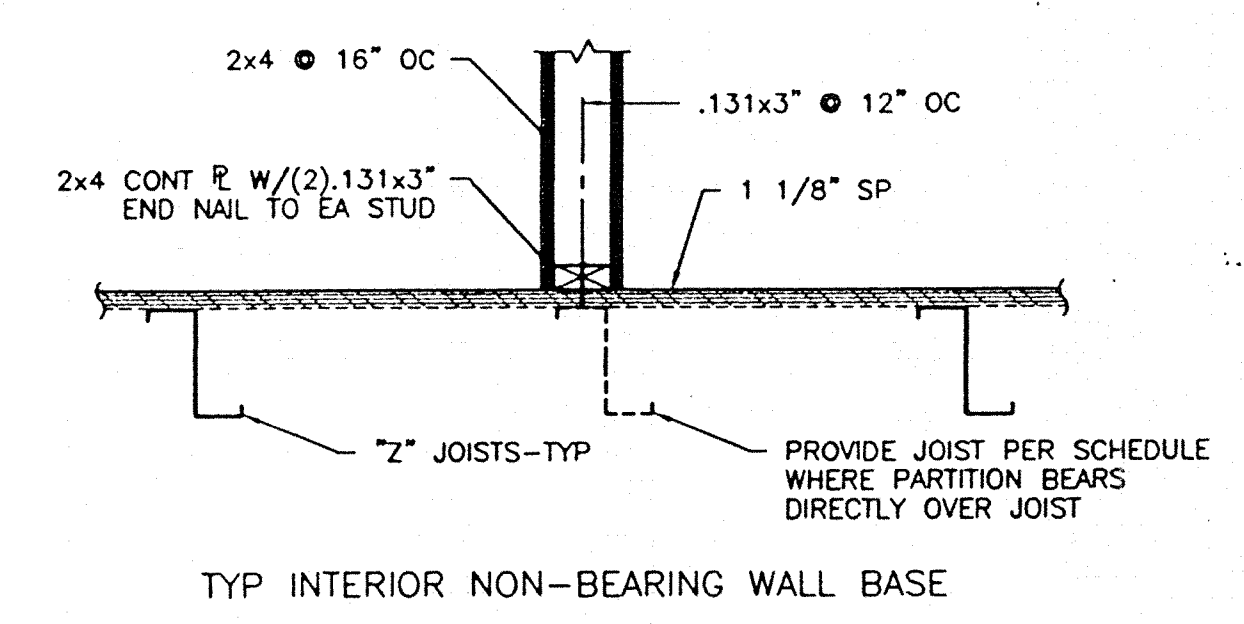
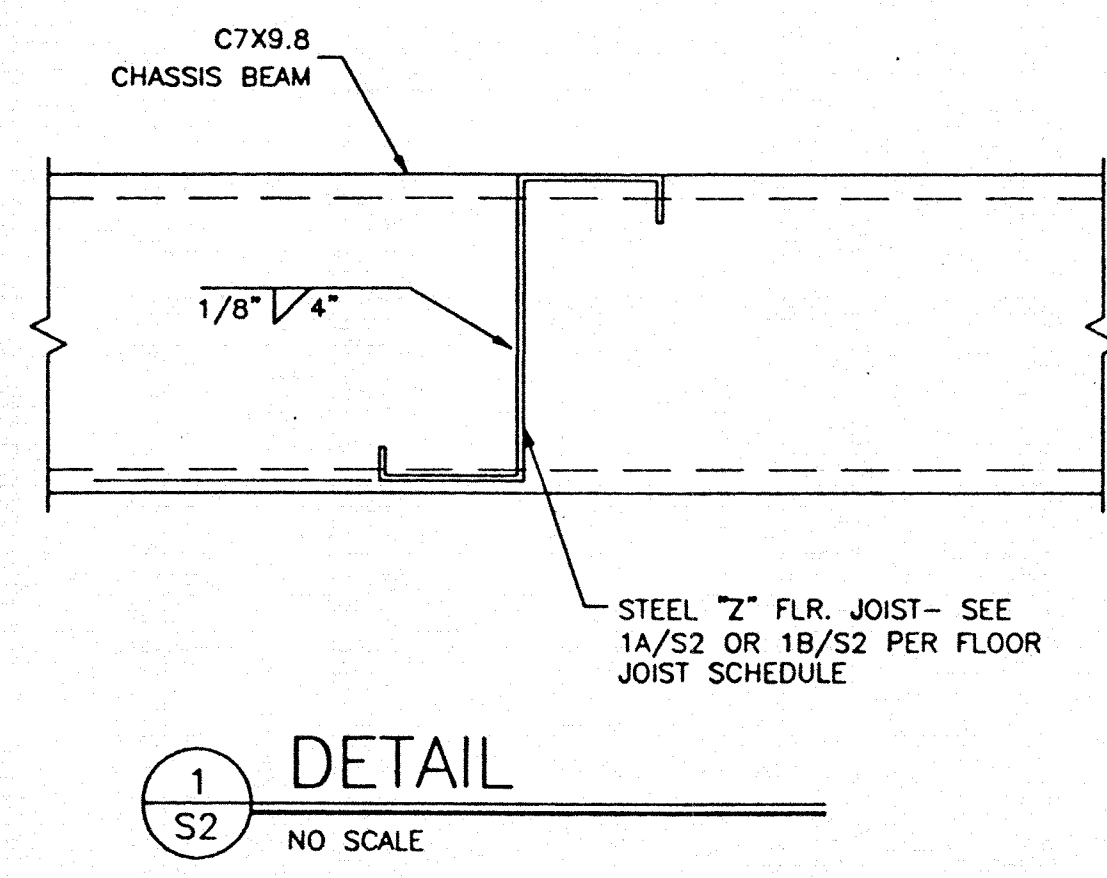
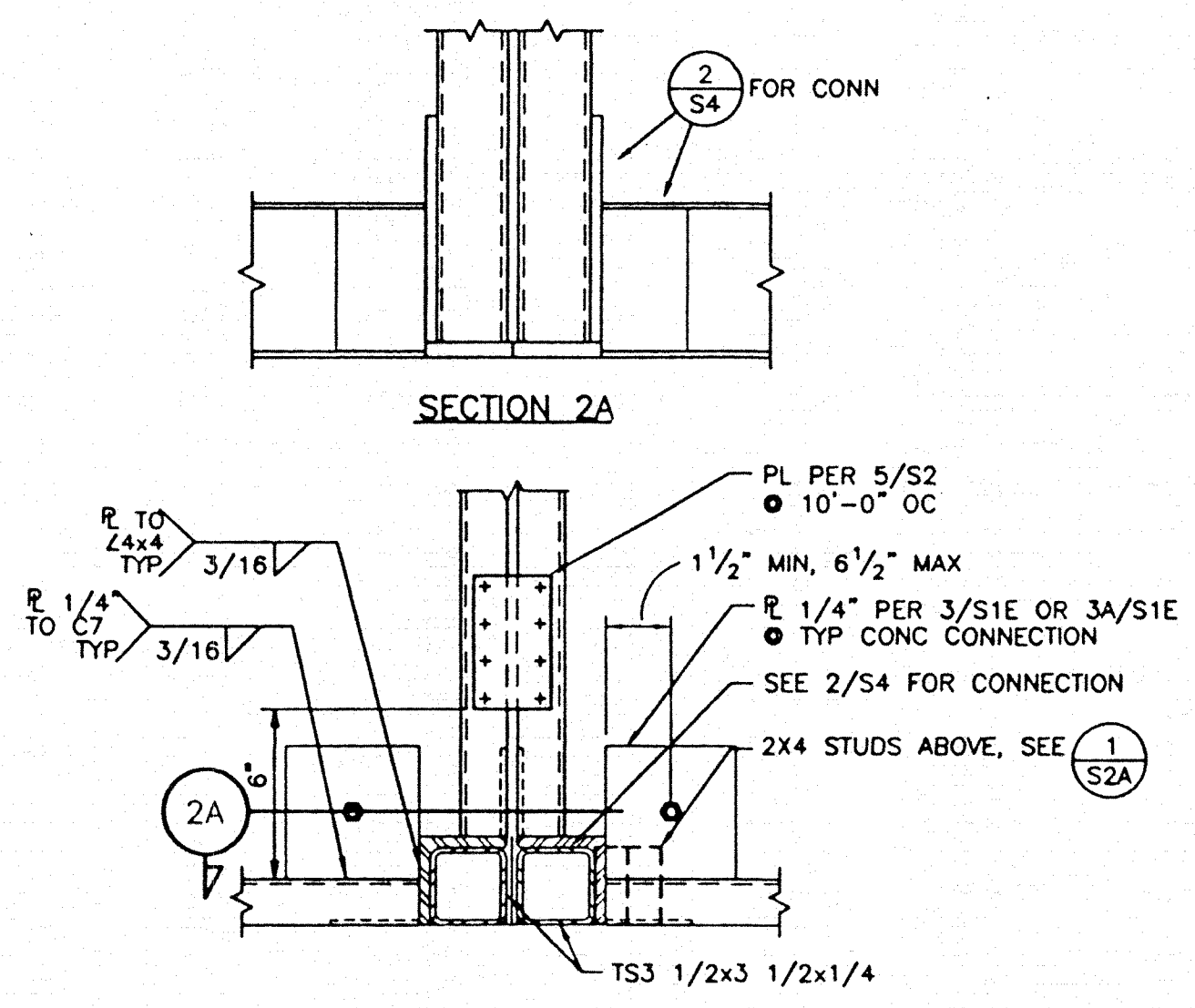
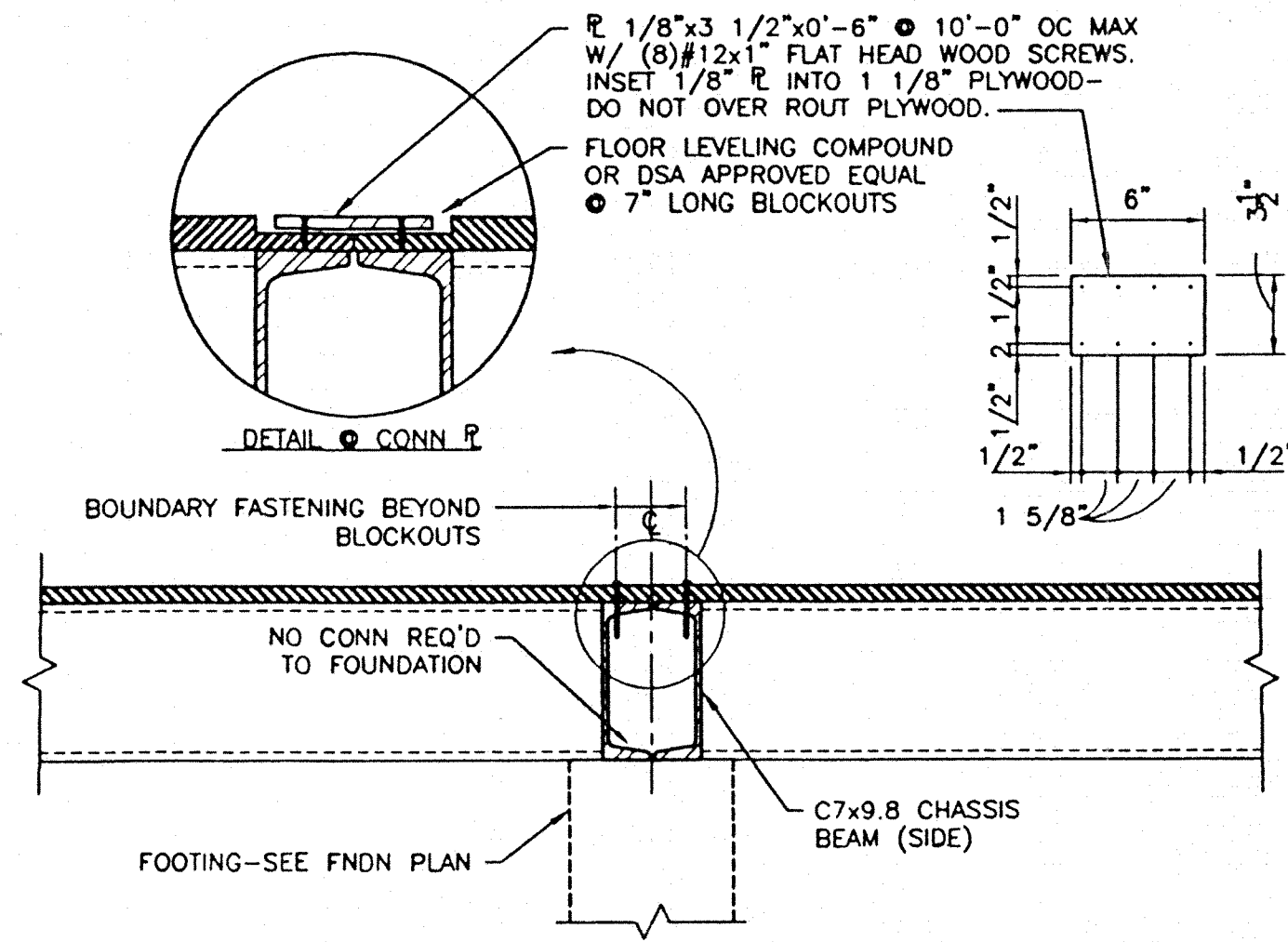
PROJECT No.
99100
SHEET No.
S1

American Modular Systems



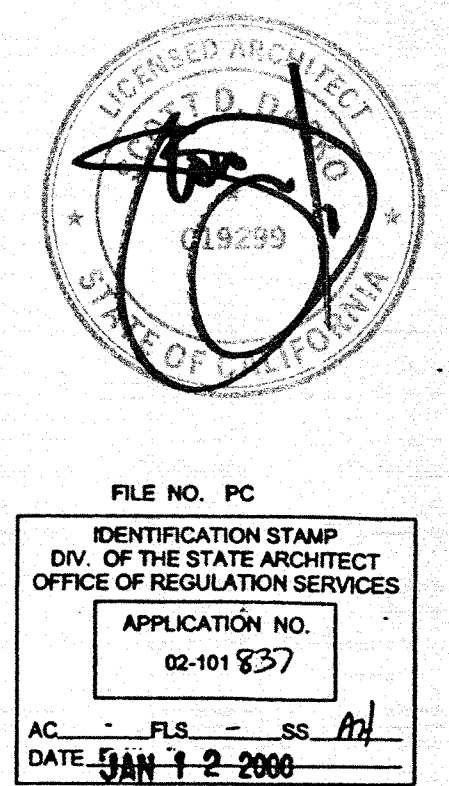
FOUNDATION PLAN AND DETAILS

WOOD: 50 PSF FLOOR LIVE LOAD
(W/O PARTITION LOAD)



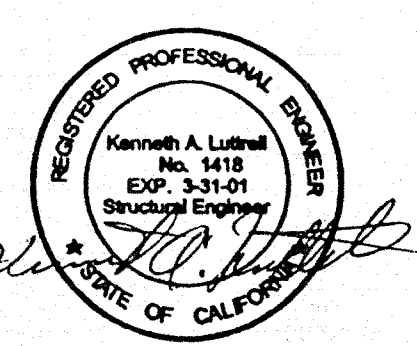
LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
100 PSF	24" OC	24" OC
125 PSF	-	24" OC

NOTES:
1. FOR JOISTS SEE 1A/S2 AND 1B/S2.
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12 GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST.



24 x 40
RELOCATABLE
CLASSROOM

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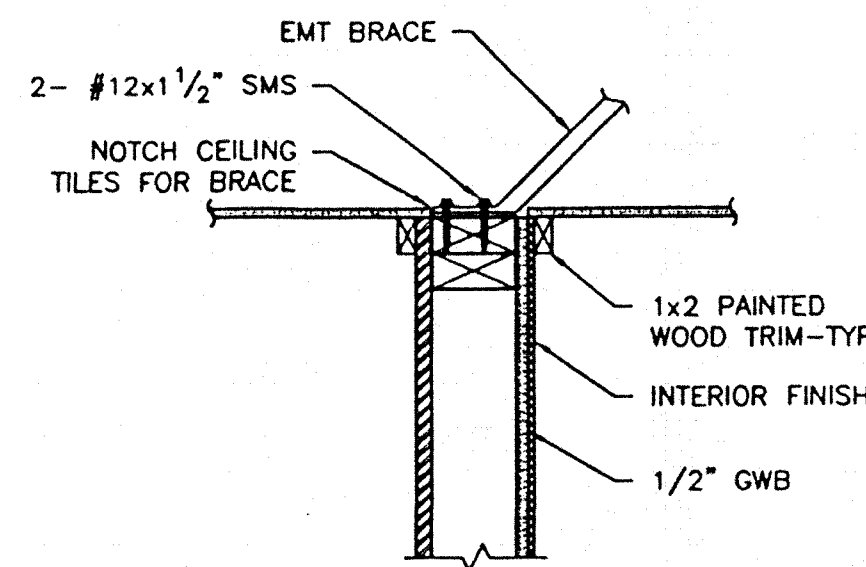


CUSTOMER: _____
FLOOR FRAMING
PLAN AND DETAILS

DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO. _____

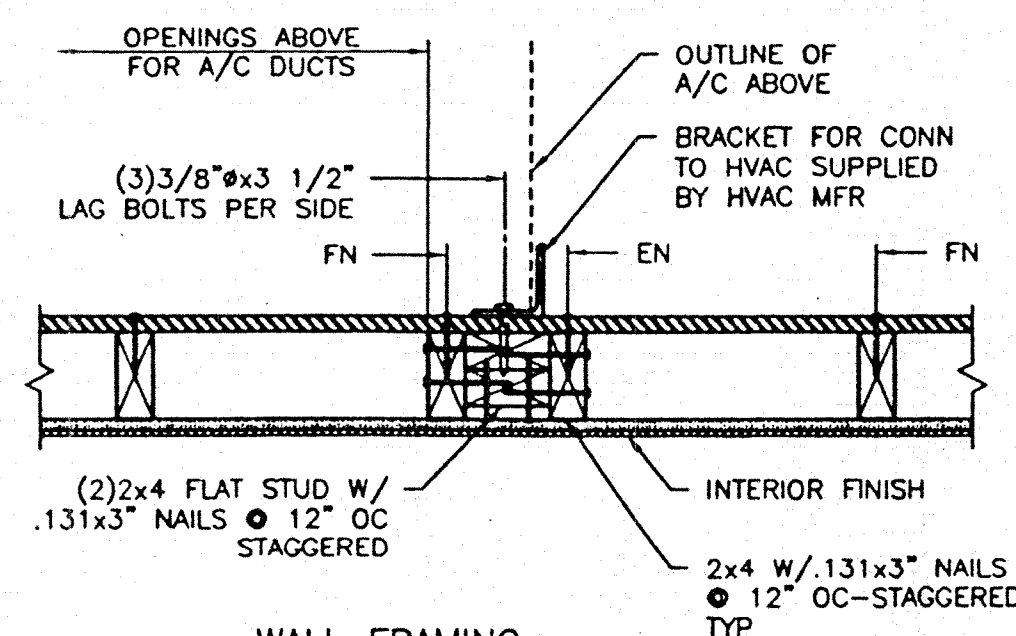
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PROJECT No.
99100
SHEET No.
S2



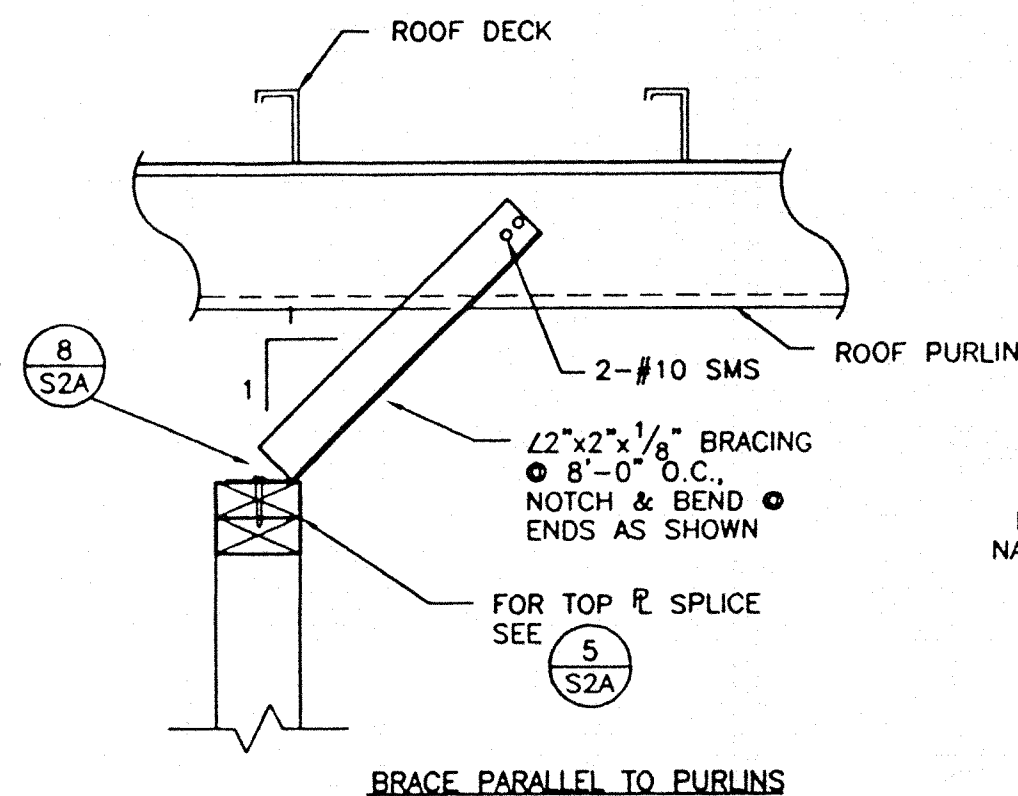
WALL FRAMING
DETAIL

6
S2A
1 1/2" = 1'-0"

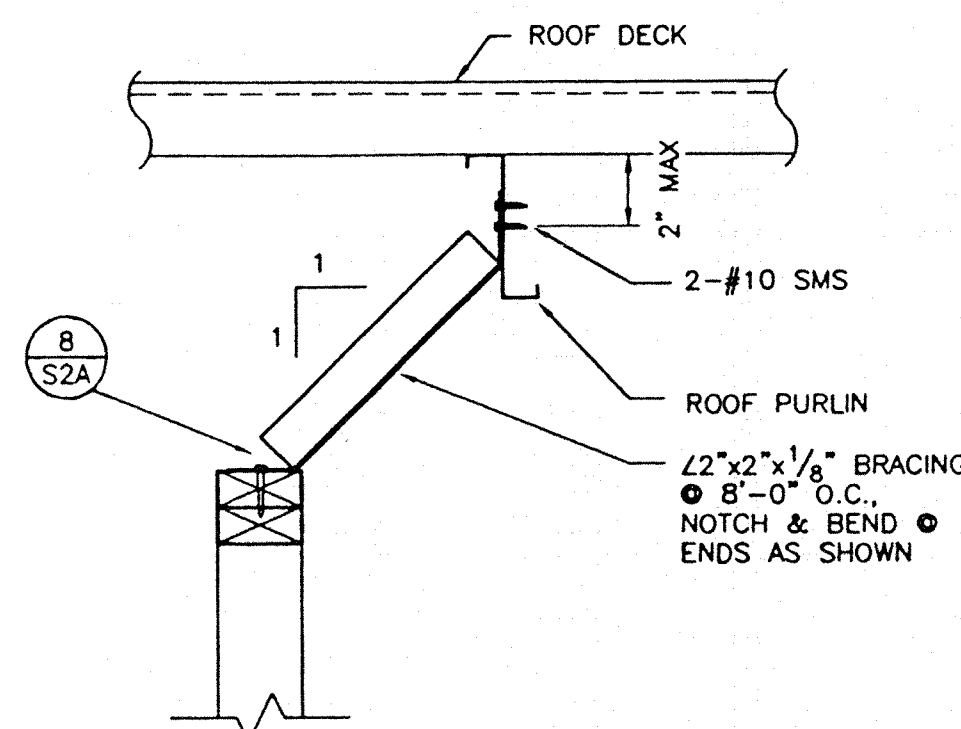


WALL FRAMING
PLAN DETAIL

3
S2A
1 1/2" = 1'-0"



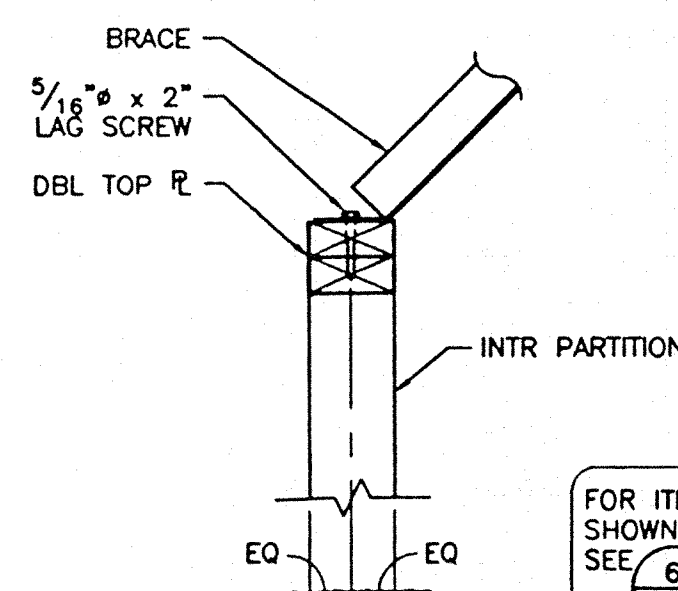
BRACE PARALLEL TO PURLINS



BRACE PERPENDICULAR TO PURLINS

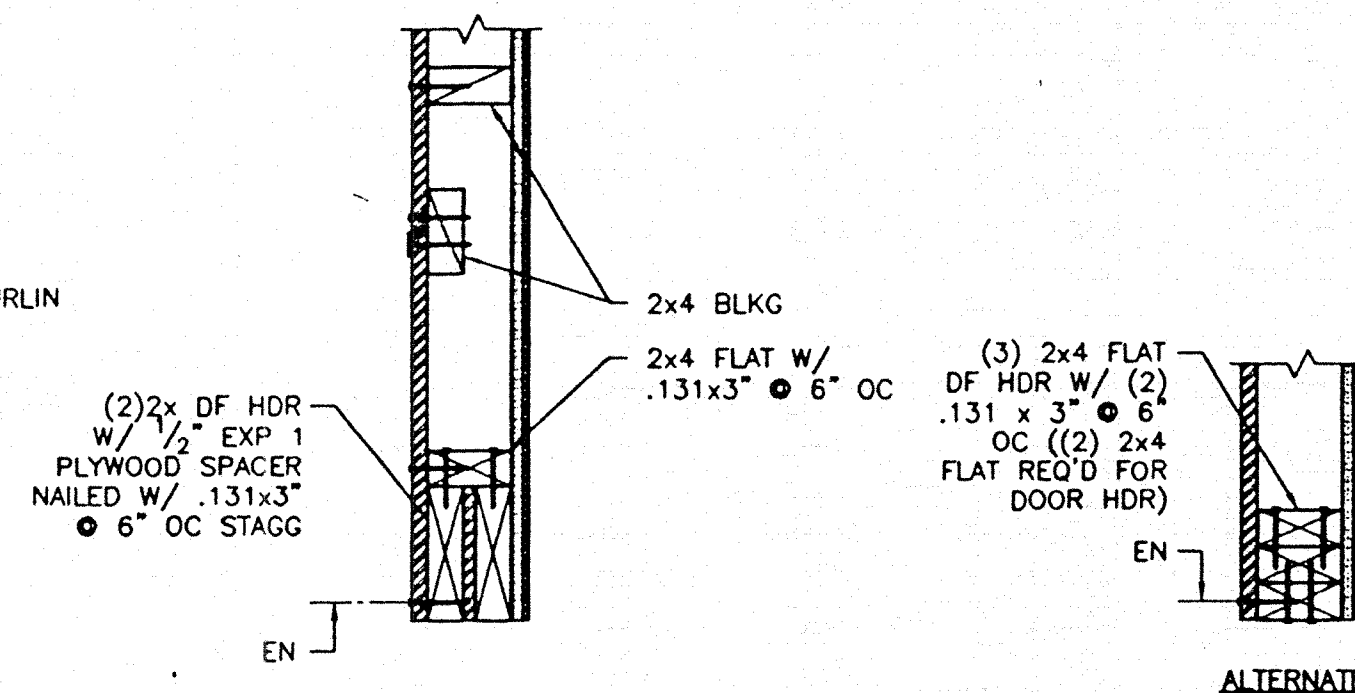
ALT. WALL FRAMING
DETAIL

7
S2A
1 1/2" = 1'-0"



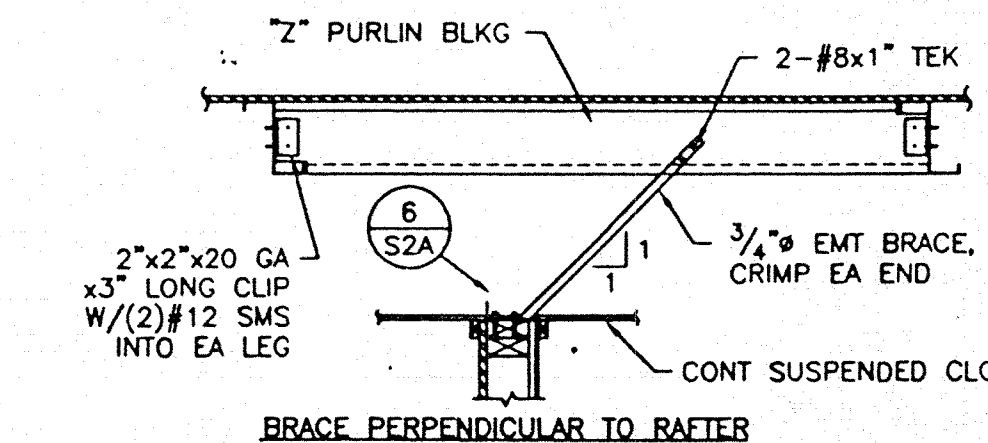
WALL FRAMING
DETAIL

8
S2A
1 1/2" = 1'-0"

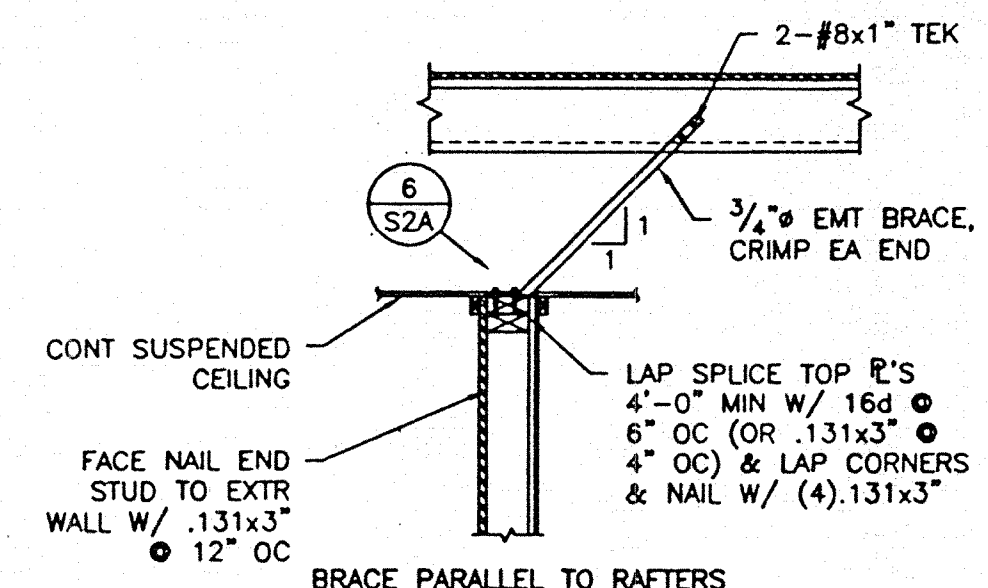


WALL FRAMING
DETAIL

4
S2A
1 1/2" = 1'-0"



BRACE PERPENDICULAR TO RAFTER

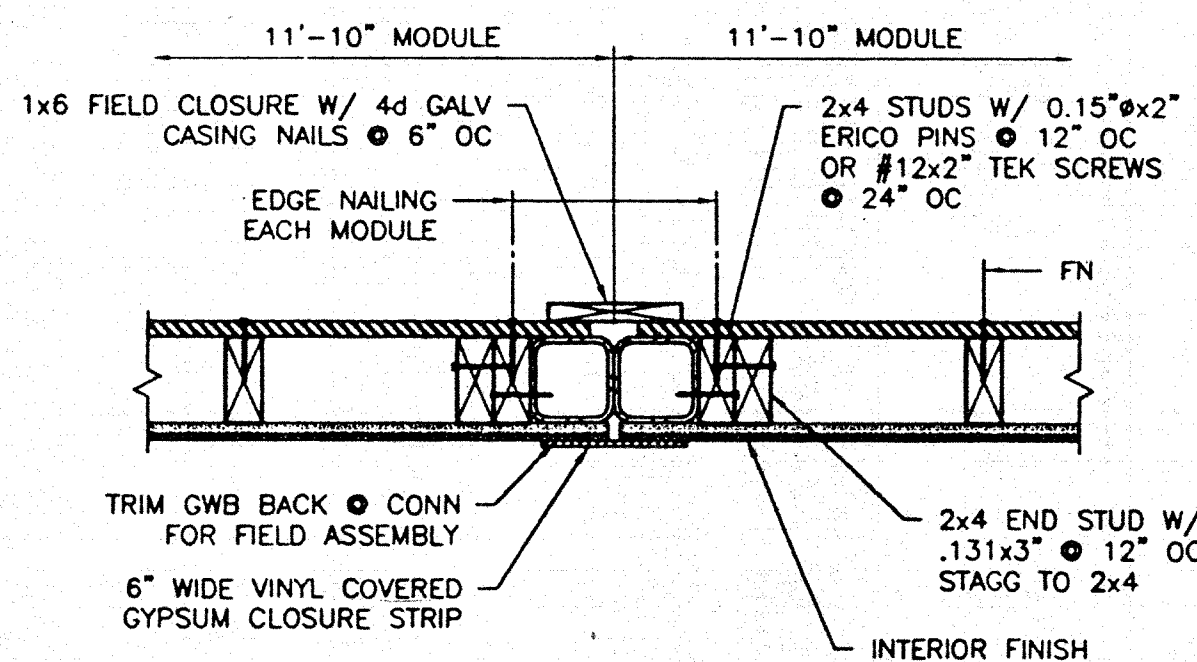


BRACE PARALLEL TO RAFTERS

NOTE:
TOP R MUST BE BRACED 8'-0" MAX BY EITHER AN
INTERSECTING WALL OR WITH AN EMT BRACE TO THE RAFTERS.

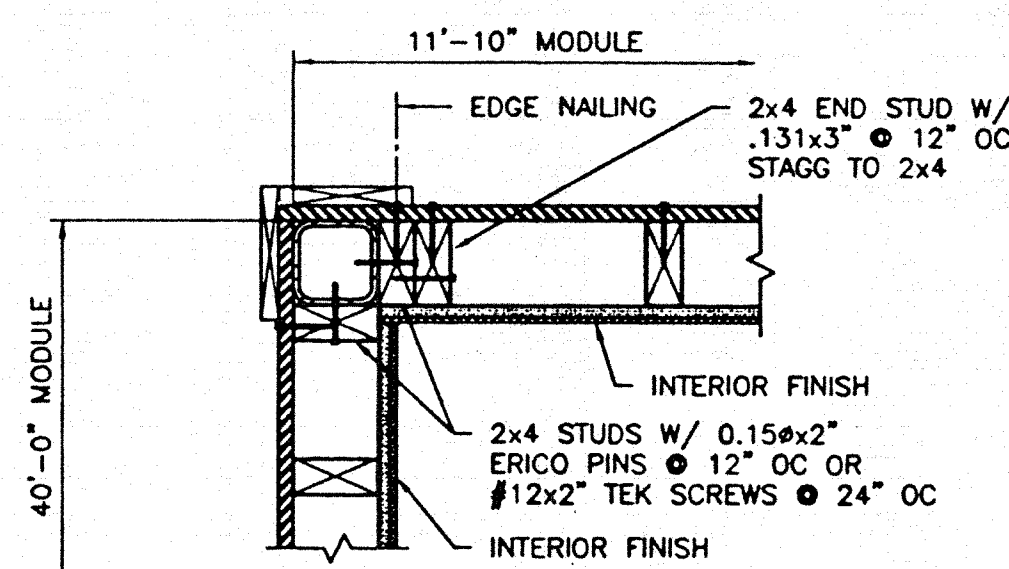
WALL FRAMING
DETAIL

5
S2A
NO SCALE



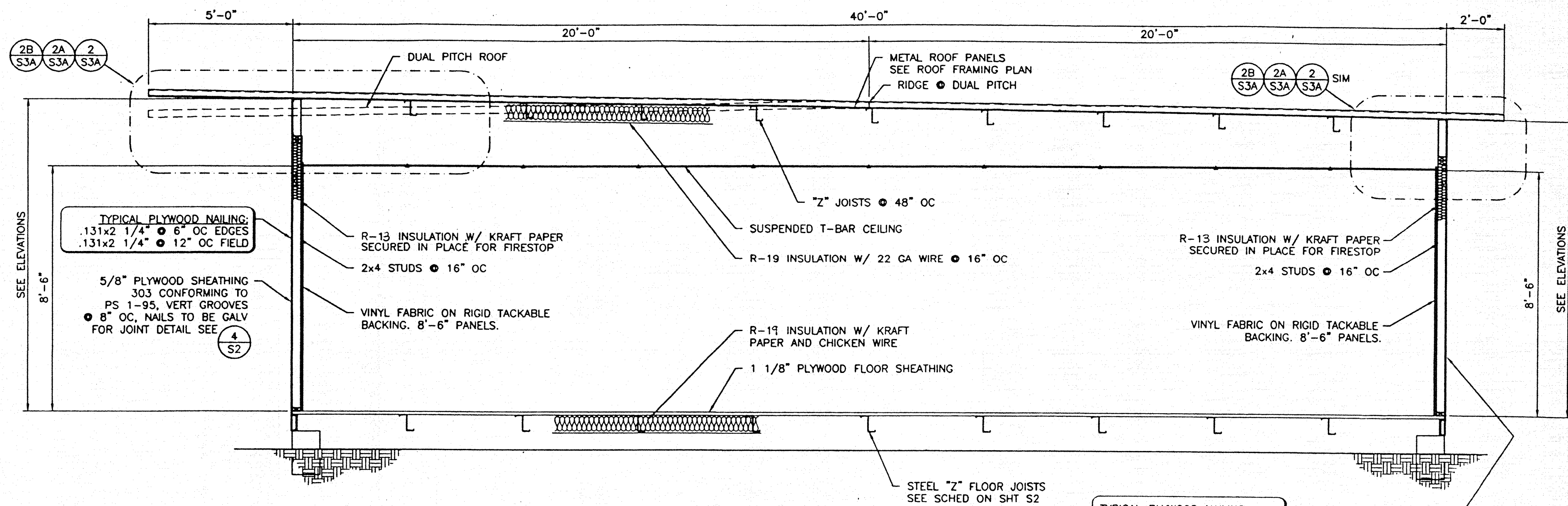
WALL FRAMING
PLAN DETAIL

1
S2A
1 1/2" = 1'-0"



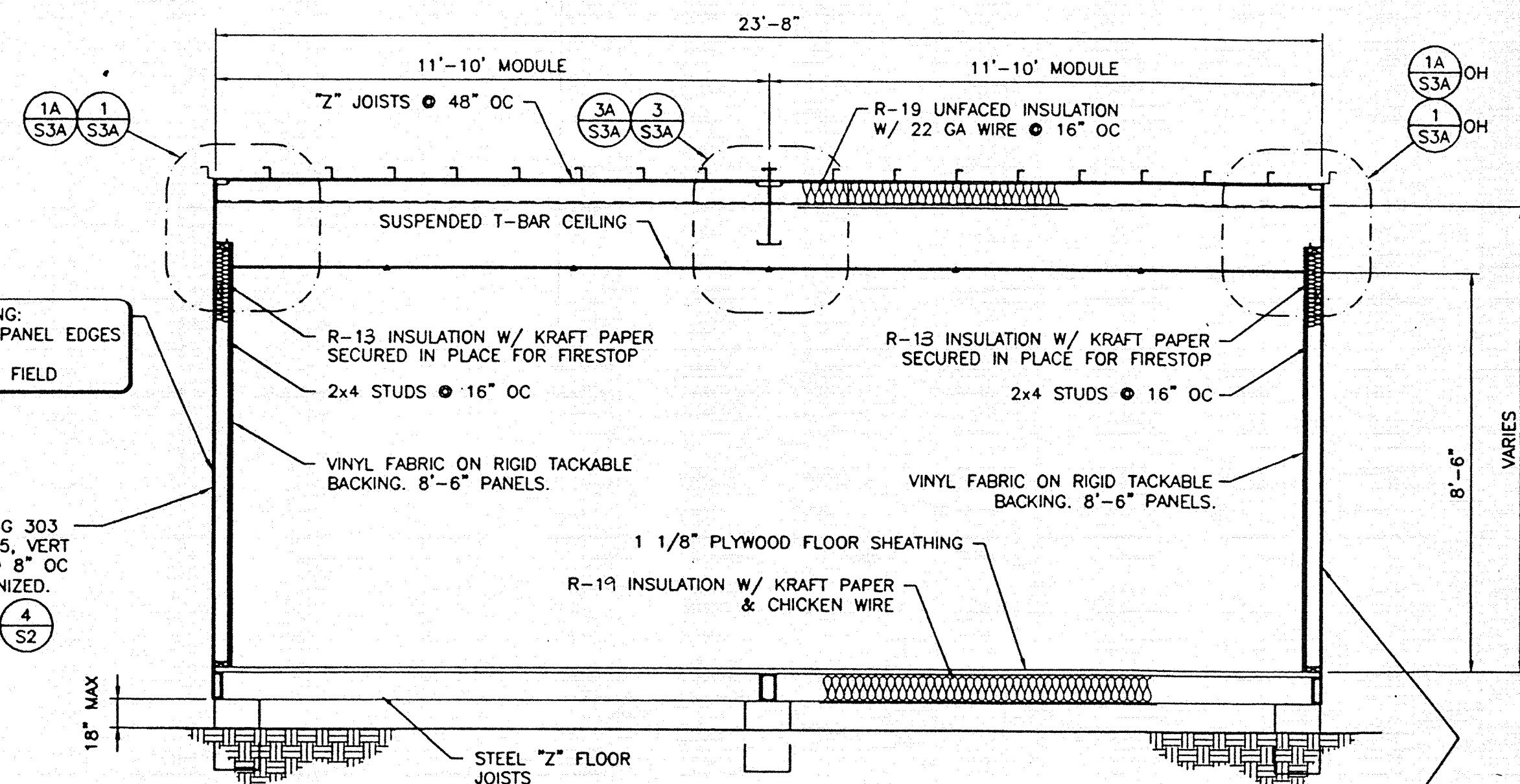
WALL FRAMING
PLAN DETAIL

2
S2A
1 1/2" = 1'-0"



TYPICAL LONGITUDINAL SECTION

A
S2A
3/8" = 1'-0"

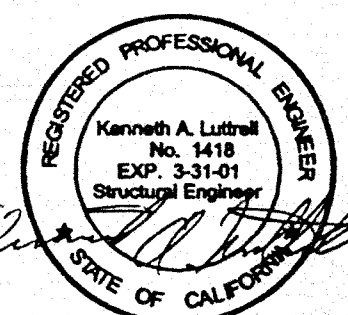


TYPICAL TRANSVERSE SECTION

B
S2A
3/8" = 1'-0"

24 x 40
RELOCATABLE
CLASSROOM

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Modular Systems**



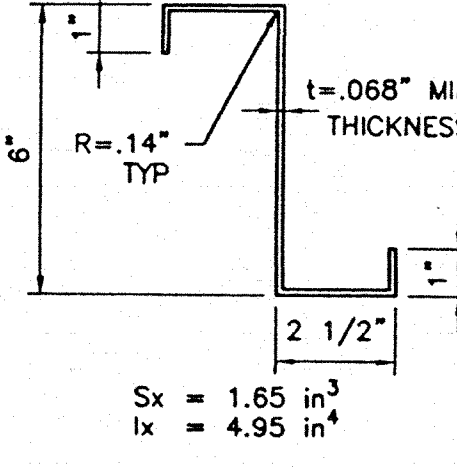
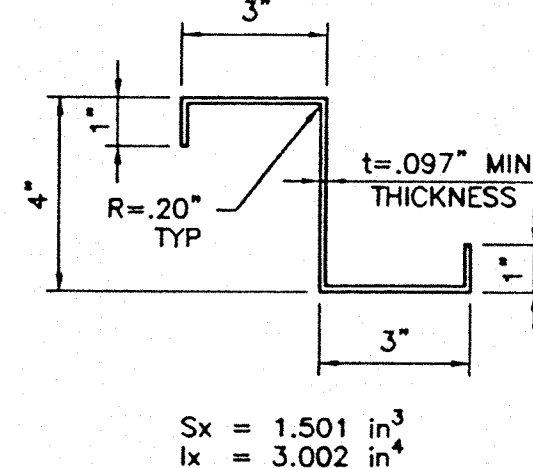
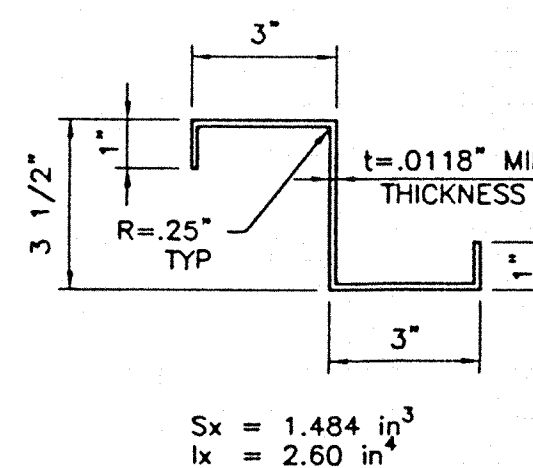
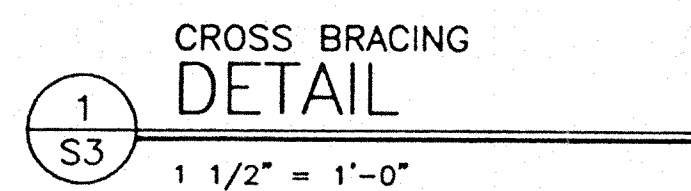
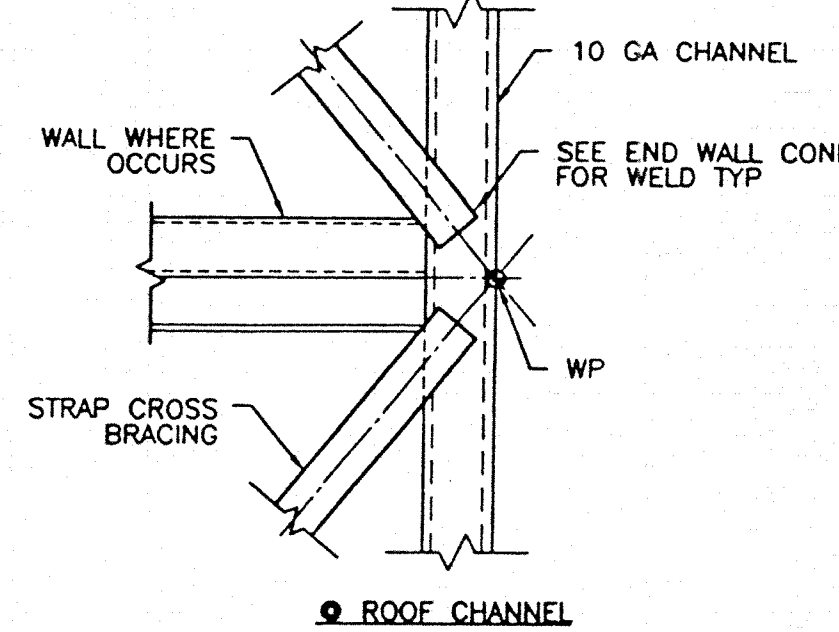
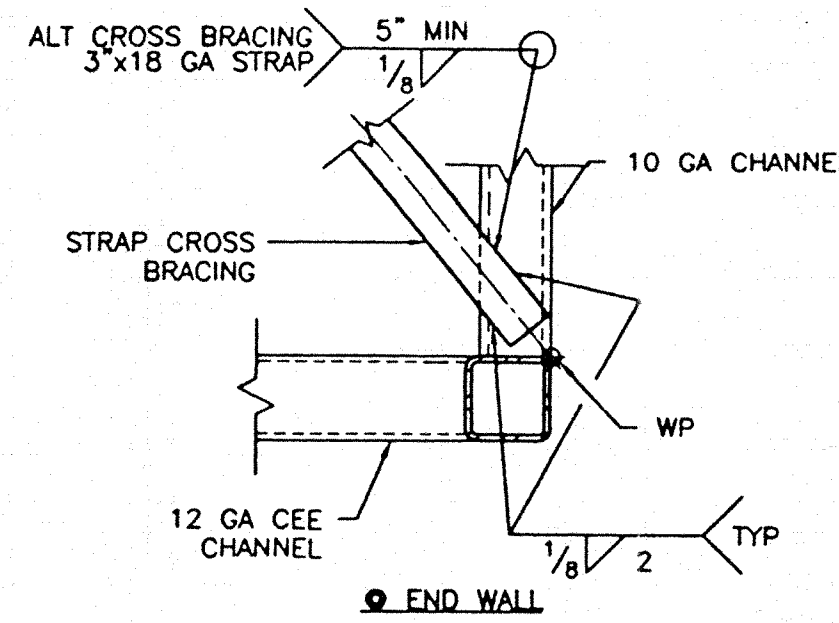
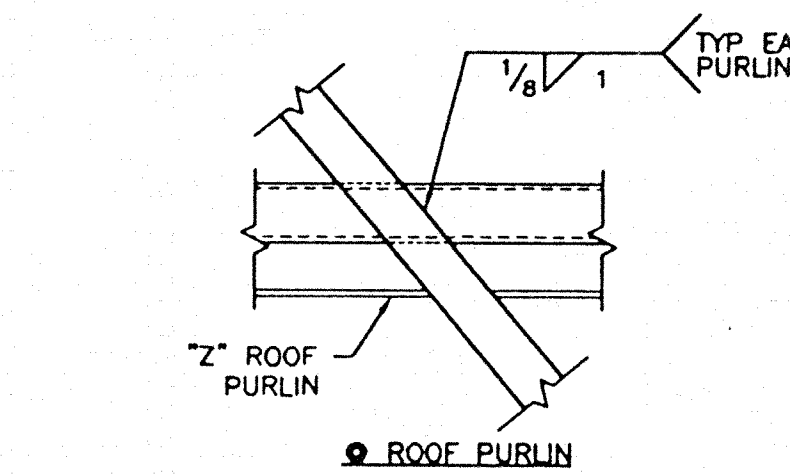
CUSTOMER:

BUILDING SECTIONS
AND WALL DETAILS

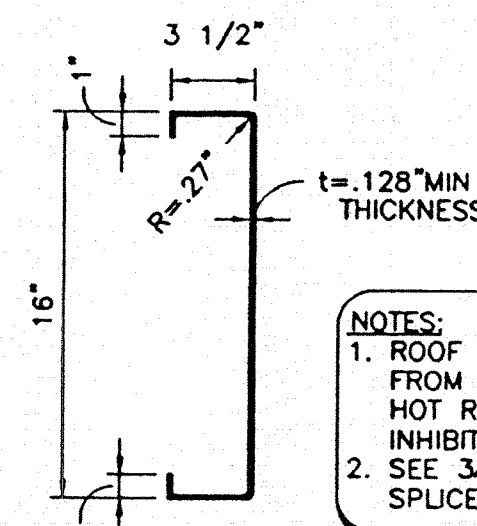
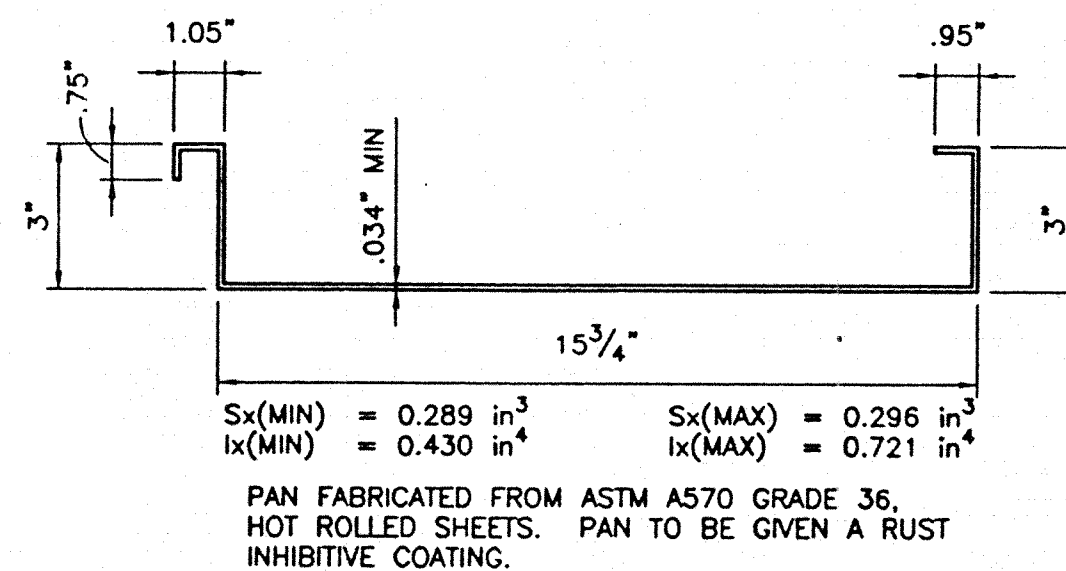
DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS				
NO	DATE	DESCRIPTION	NO	DATE

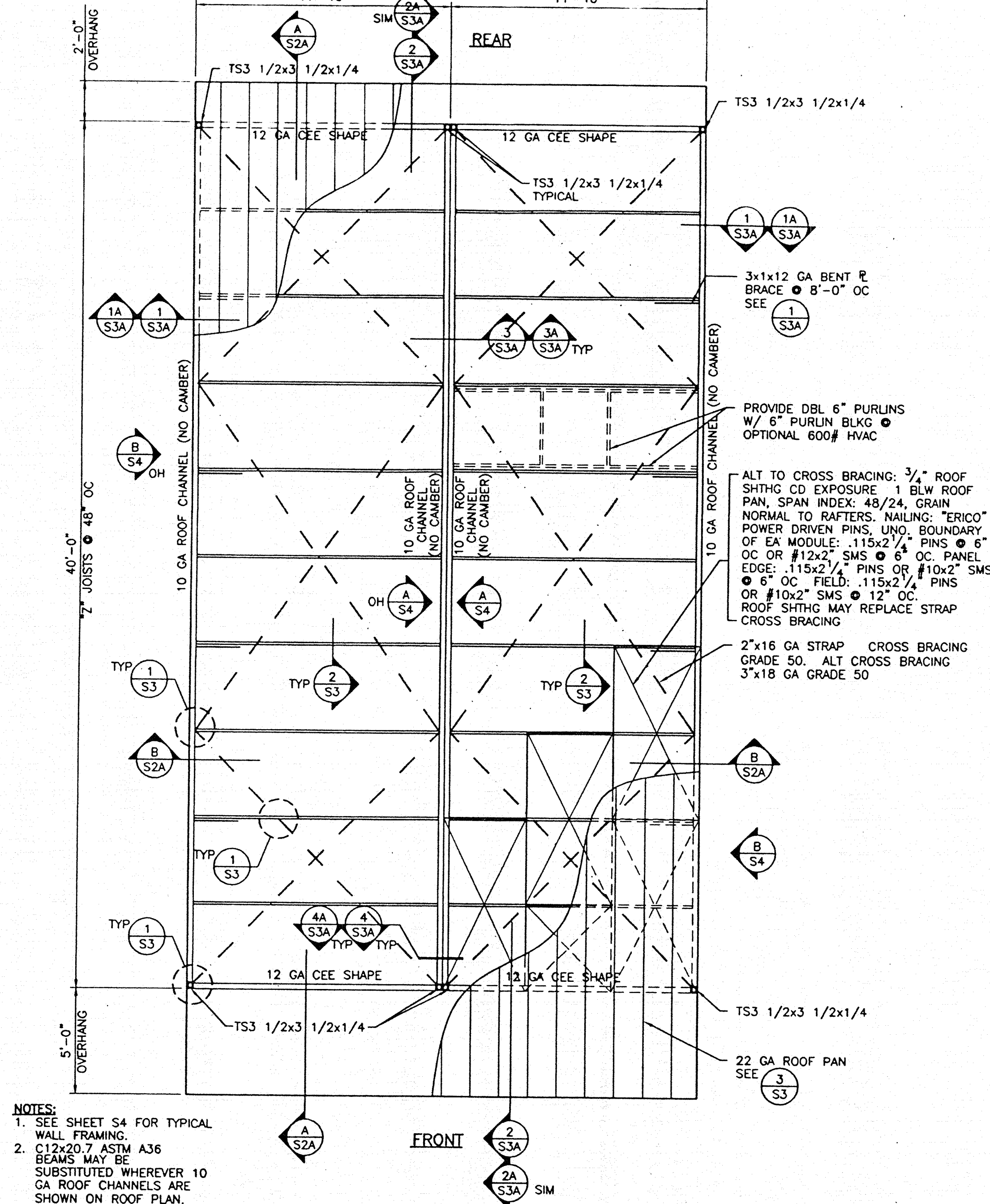
PROJECT No.
99100
SHEET No.
S2A



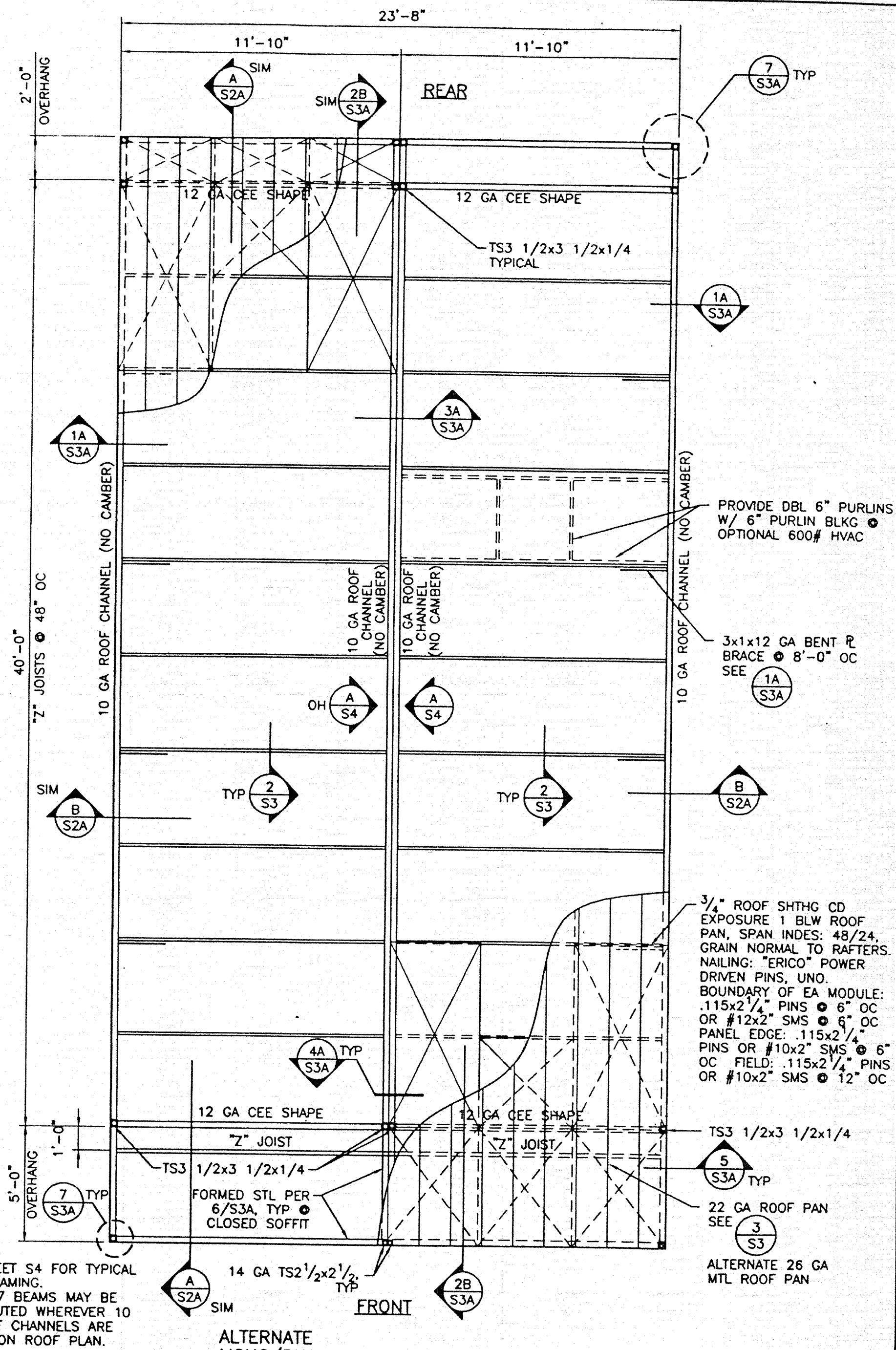
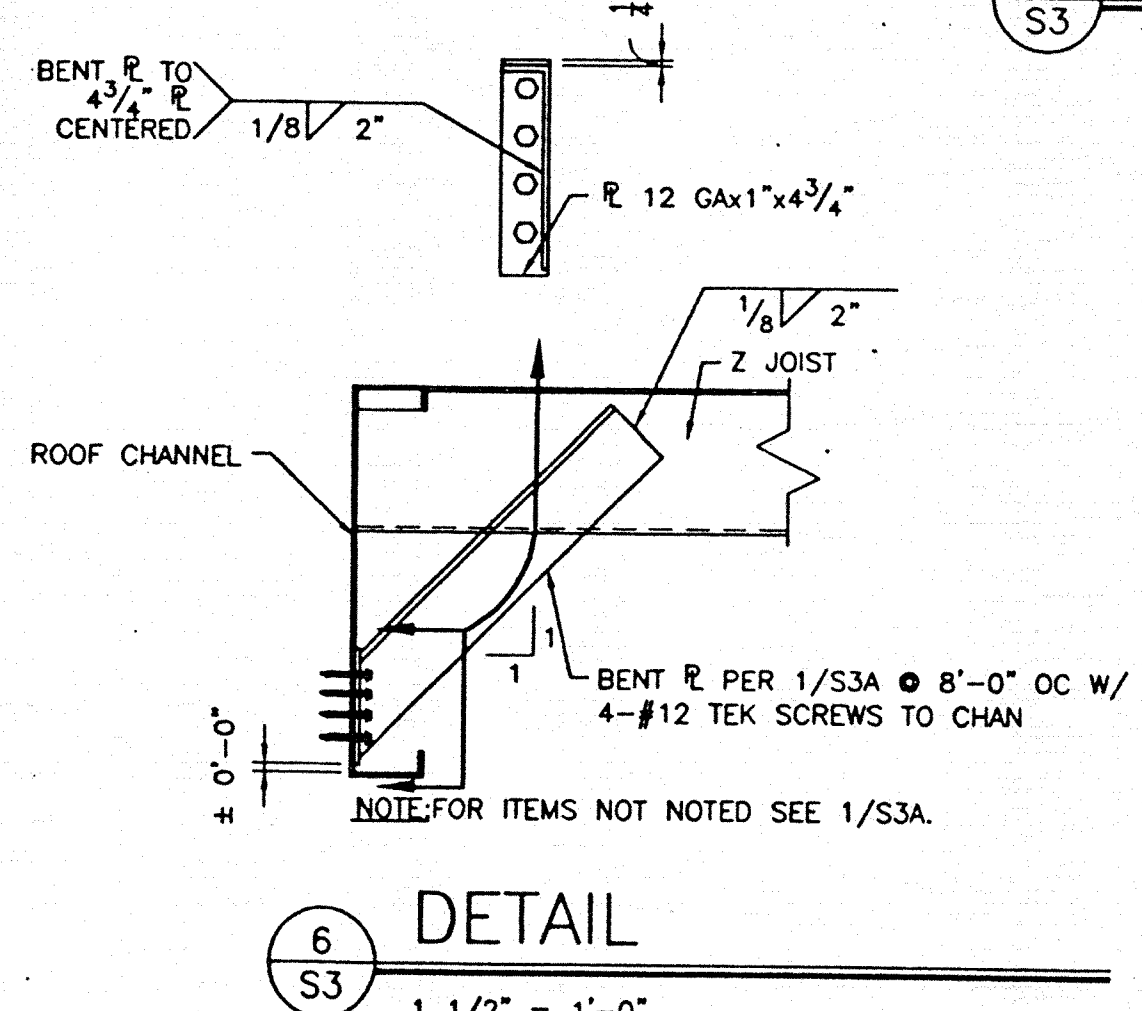
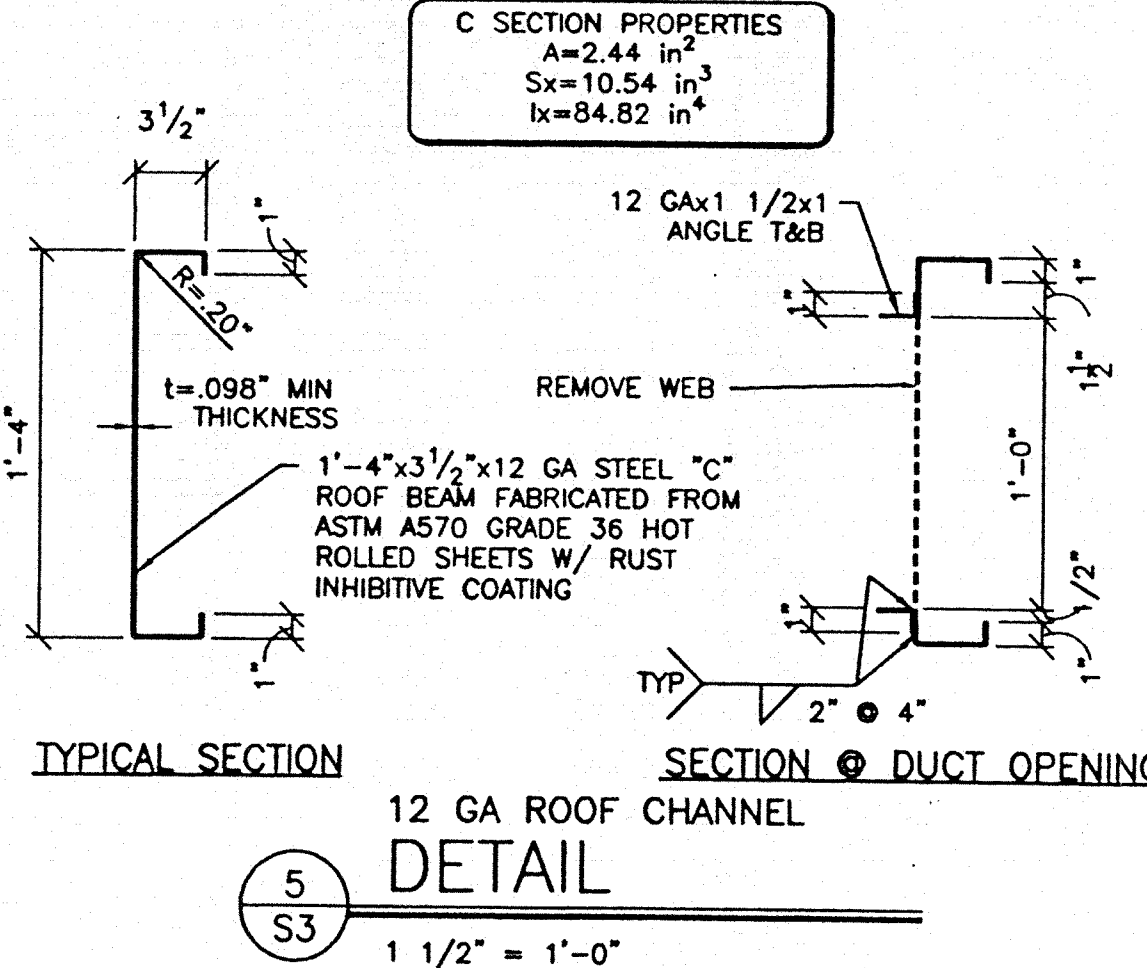
JOIST FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.



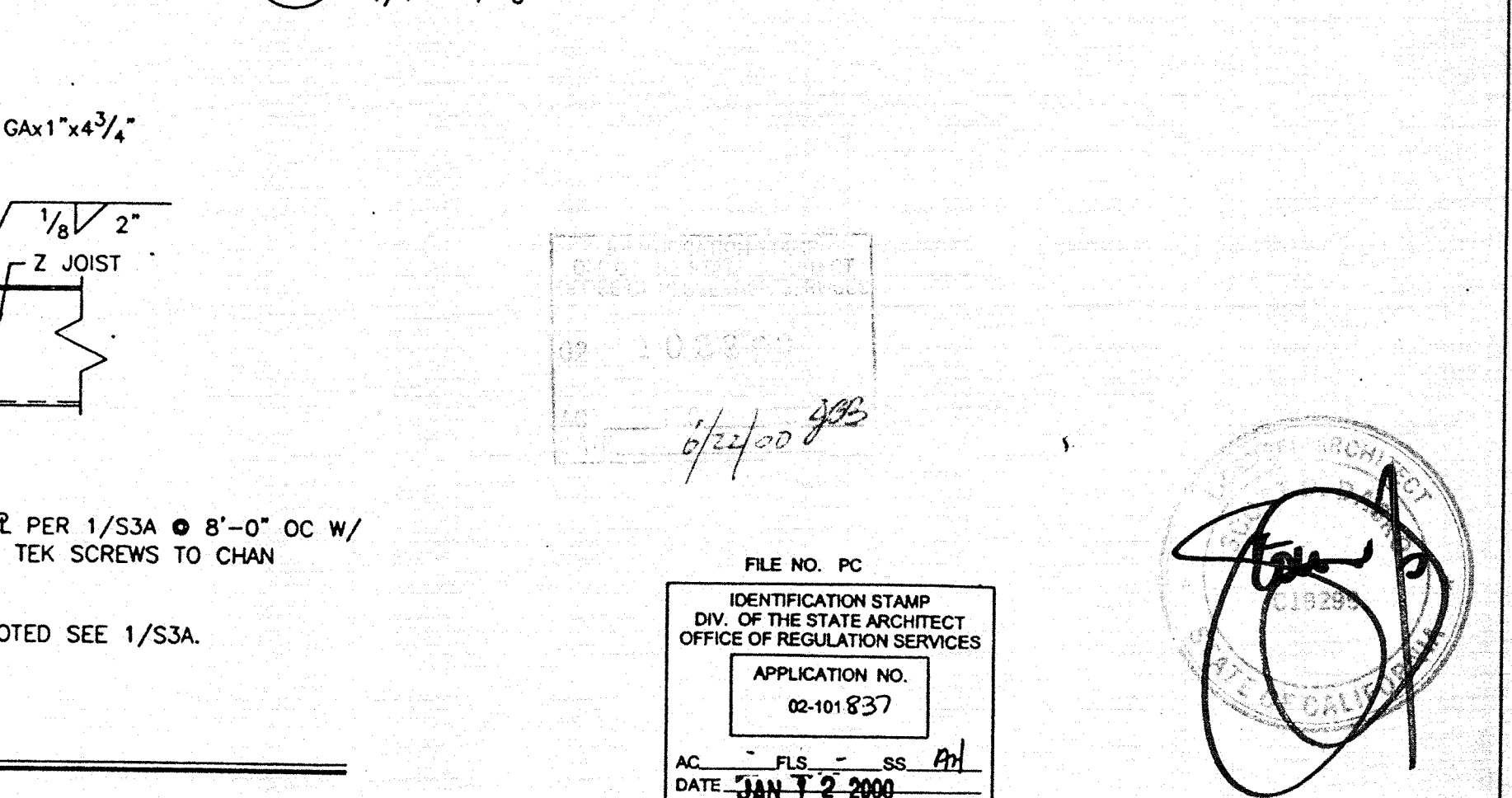
PROPERTIES:
A = 3.212 in²
Sx = 13.85 in³
Ix = 110.8 in⁴



NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 ASTM A36 BEAMS MAY BE SUBSTITUTED WHEREVER 10 GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.



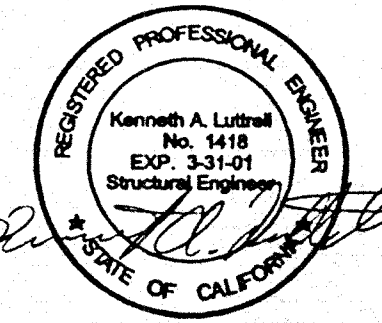
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 BEAMS MAY BE SUBSTITUTED WHEREVER 10 GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.



FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101837
DATE: JAN 12 2000

24 x 40
RELOCATABLE
CLASSROOM

**American
Modular Systems**

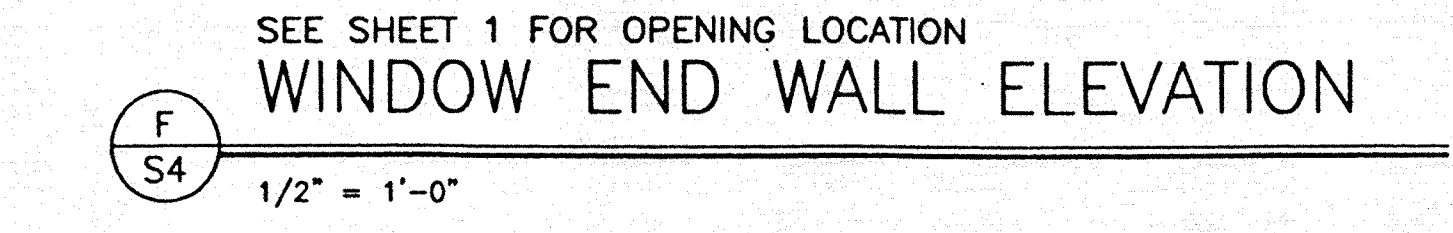
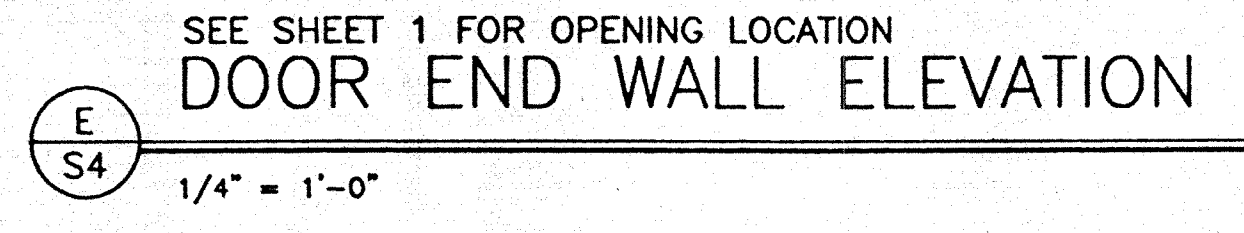
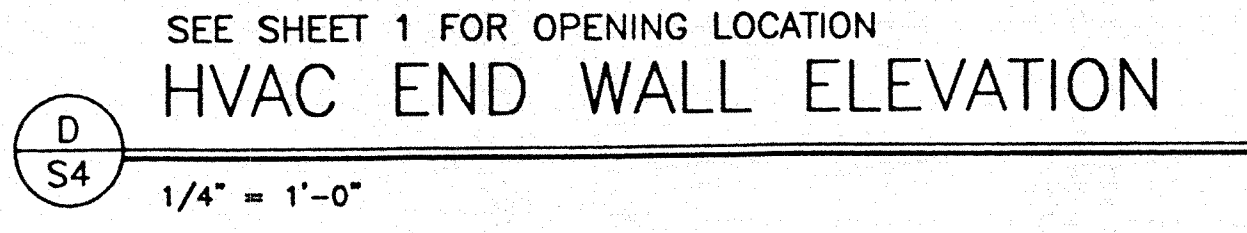
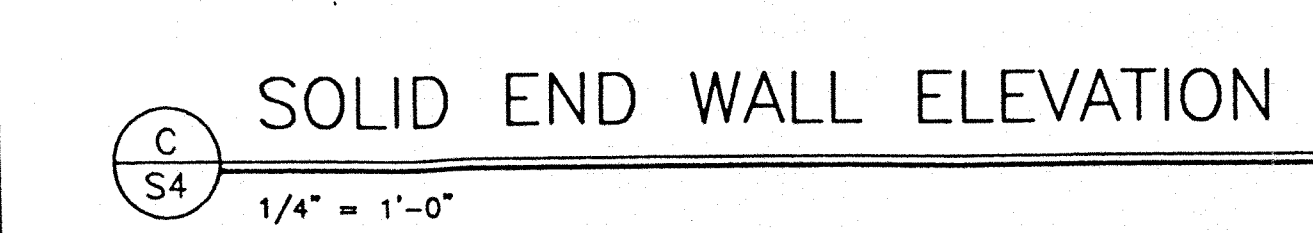
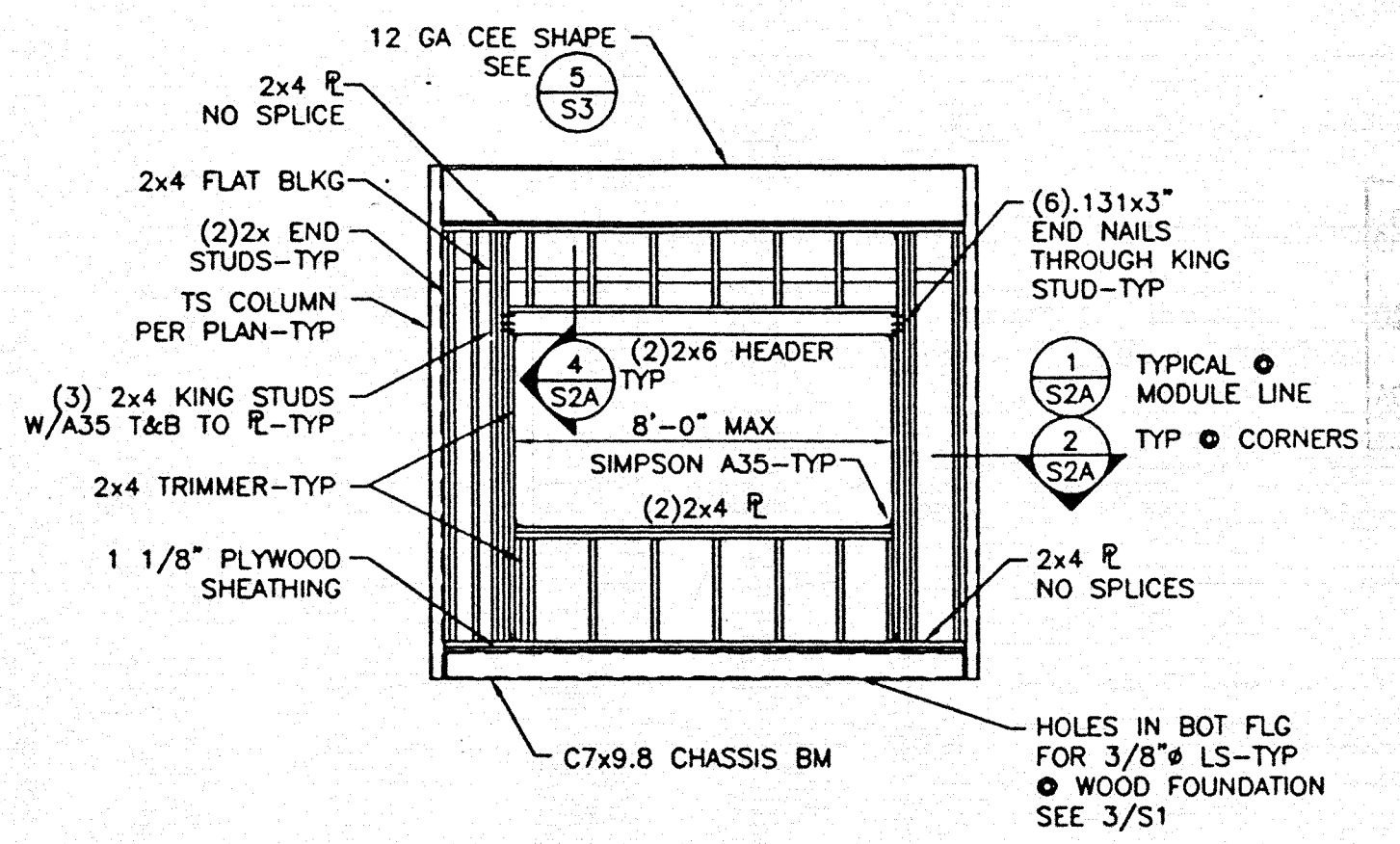
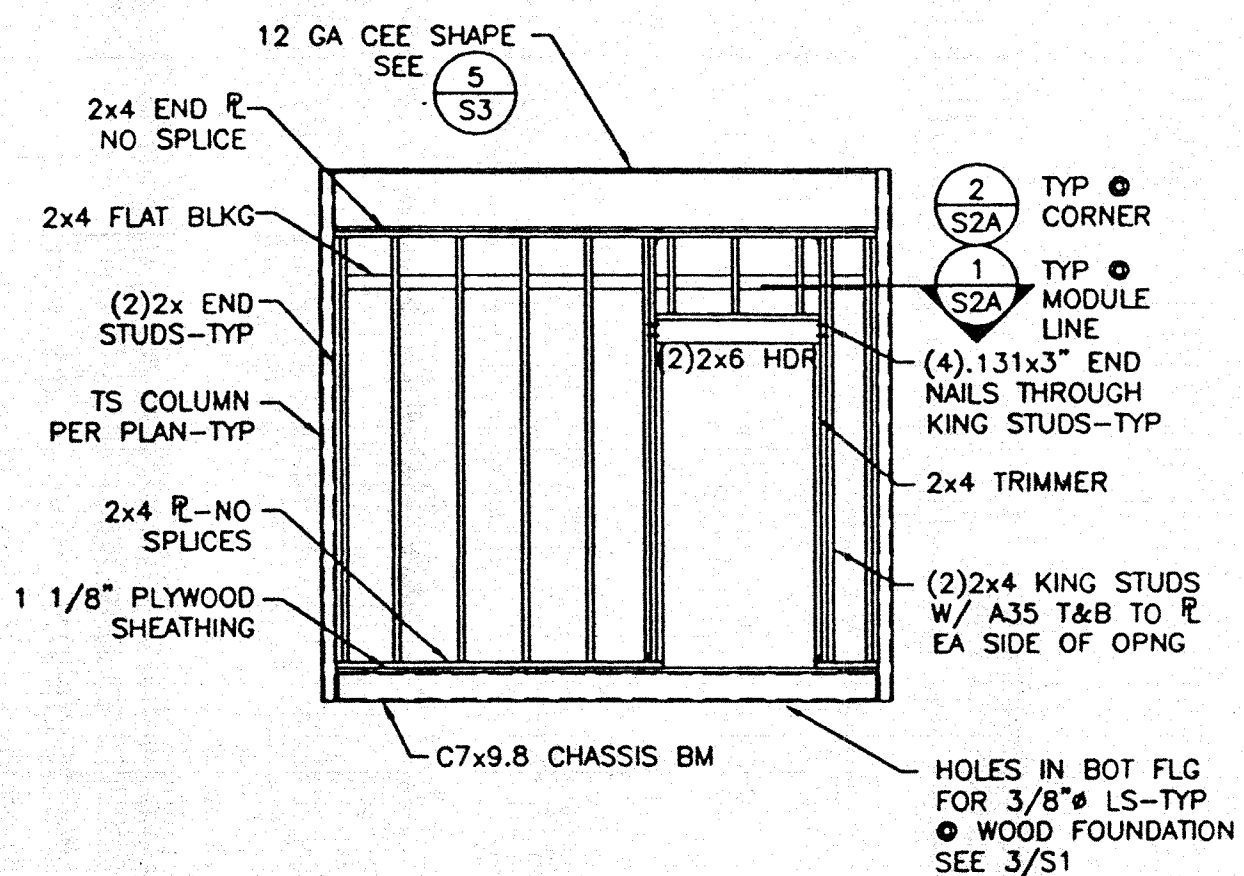
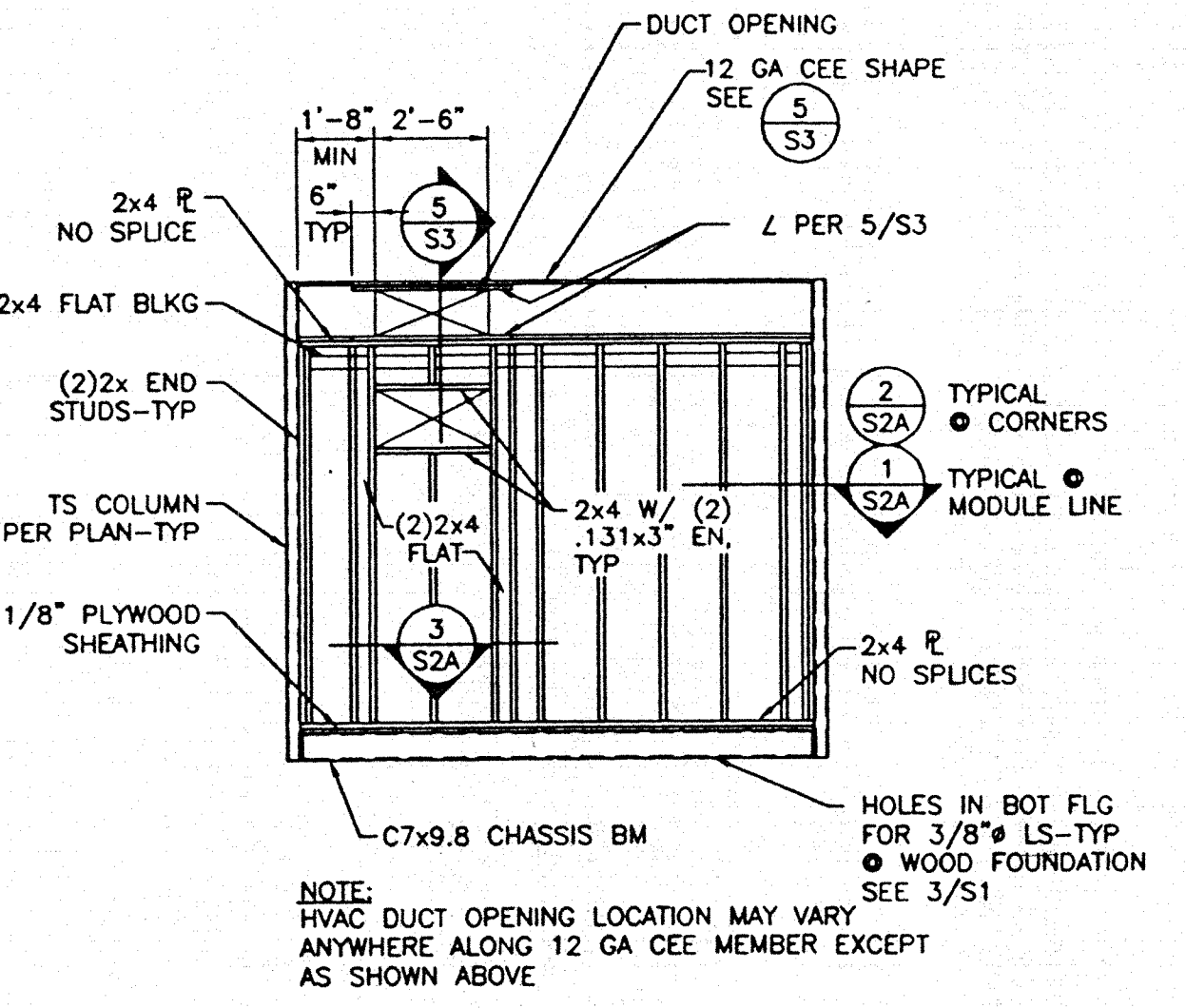
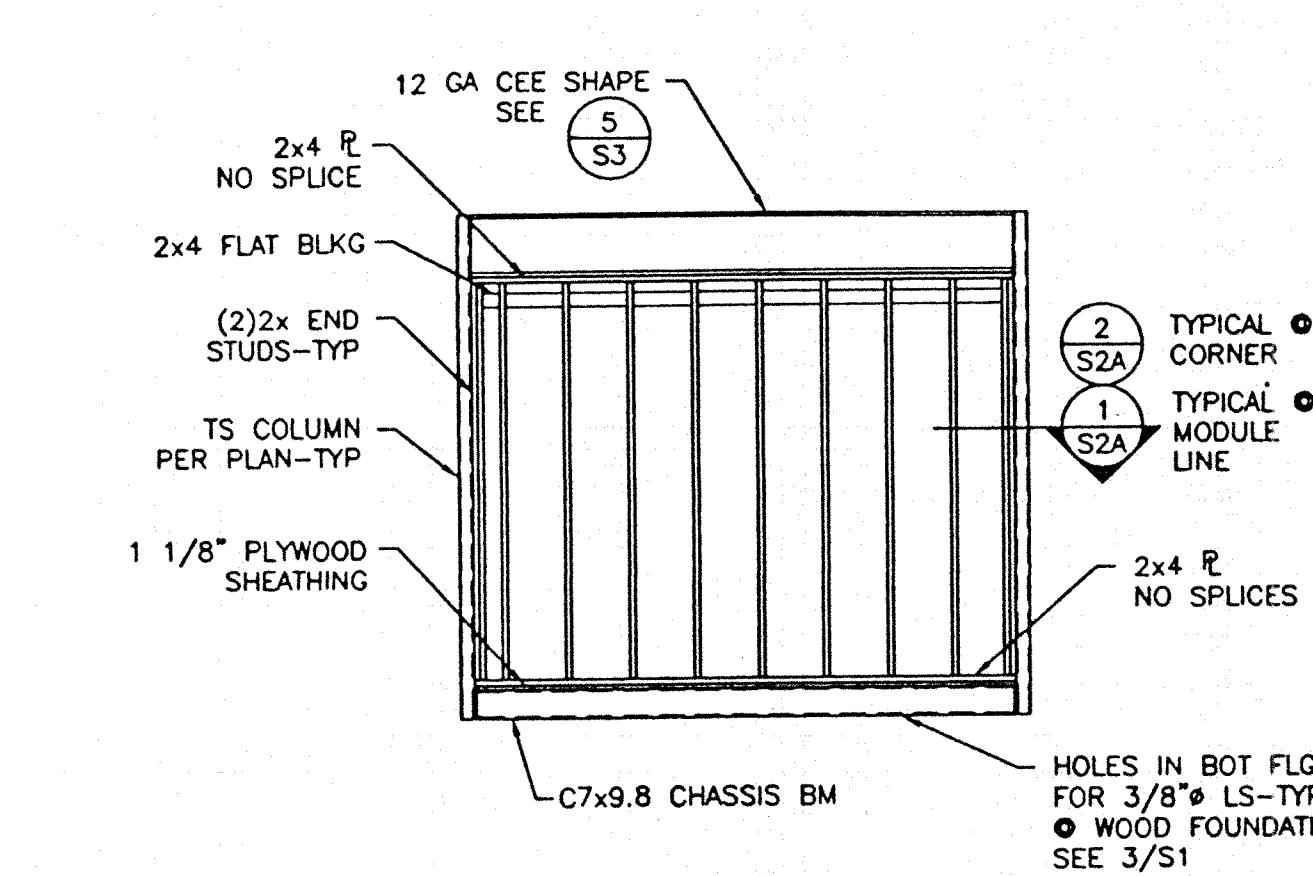
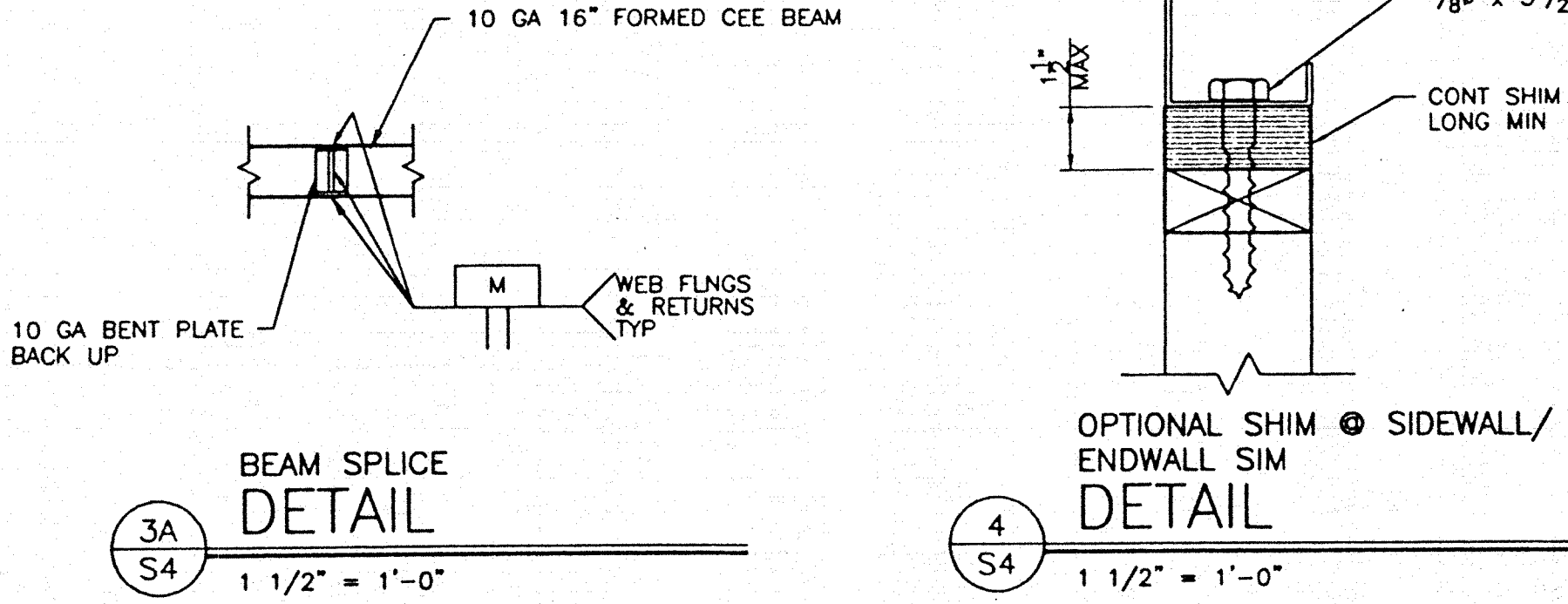
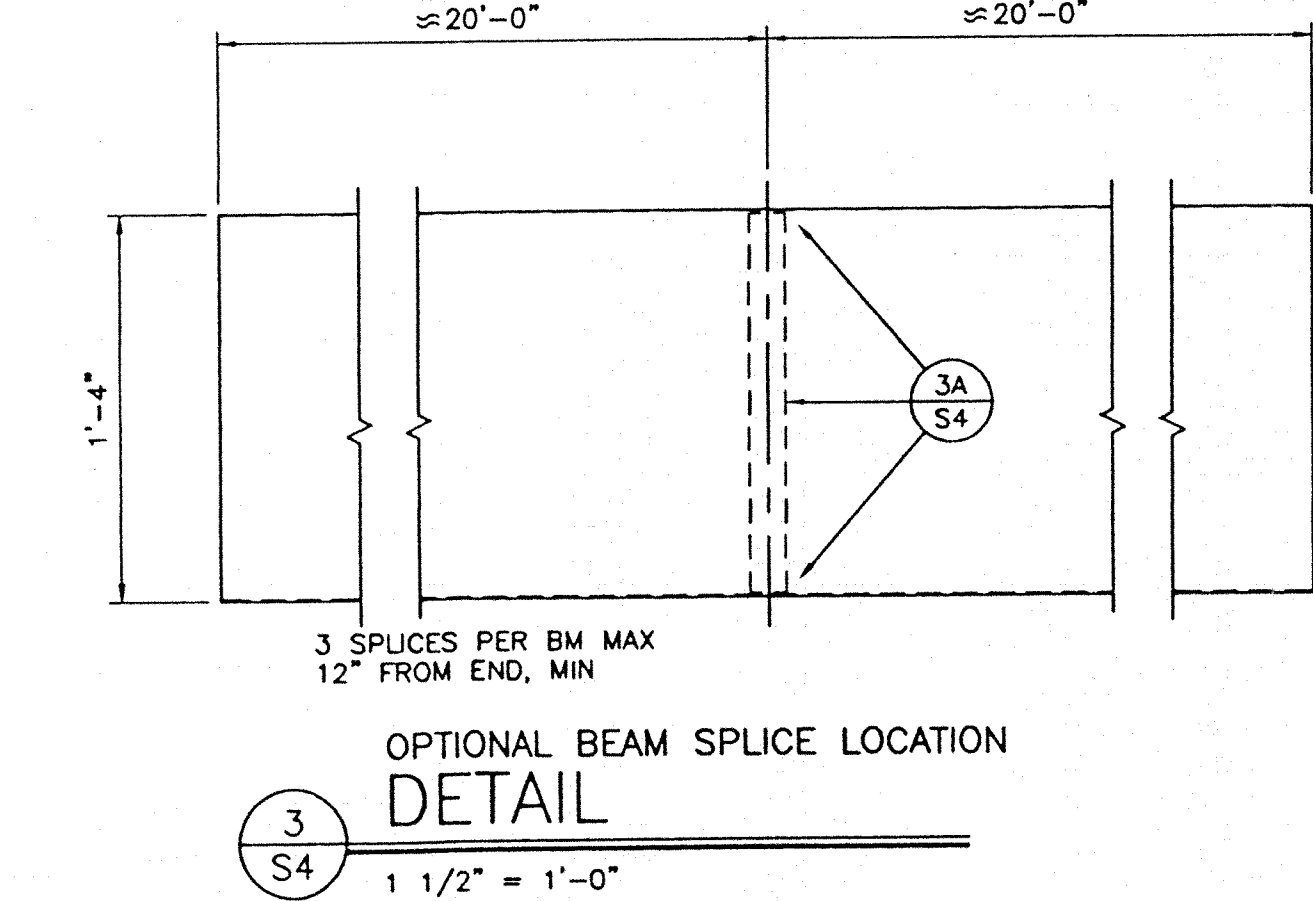
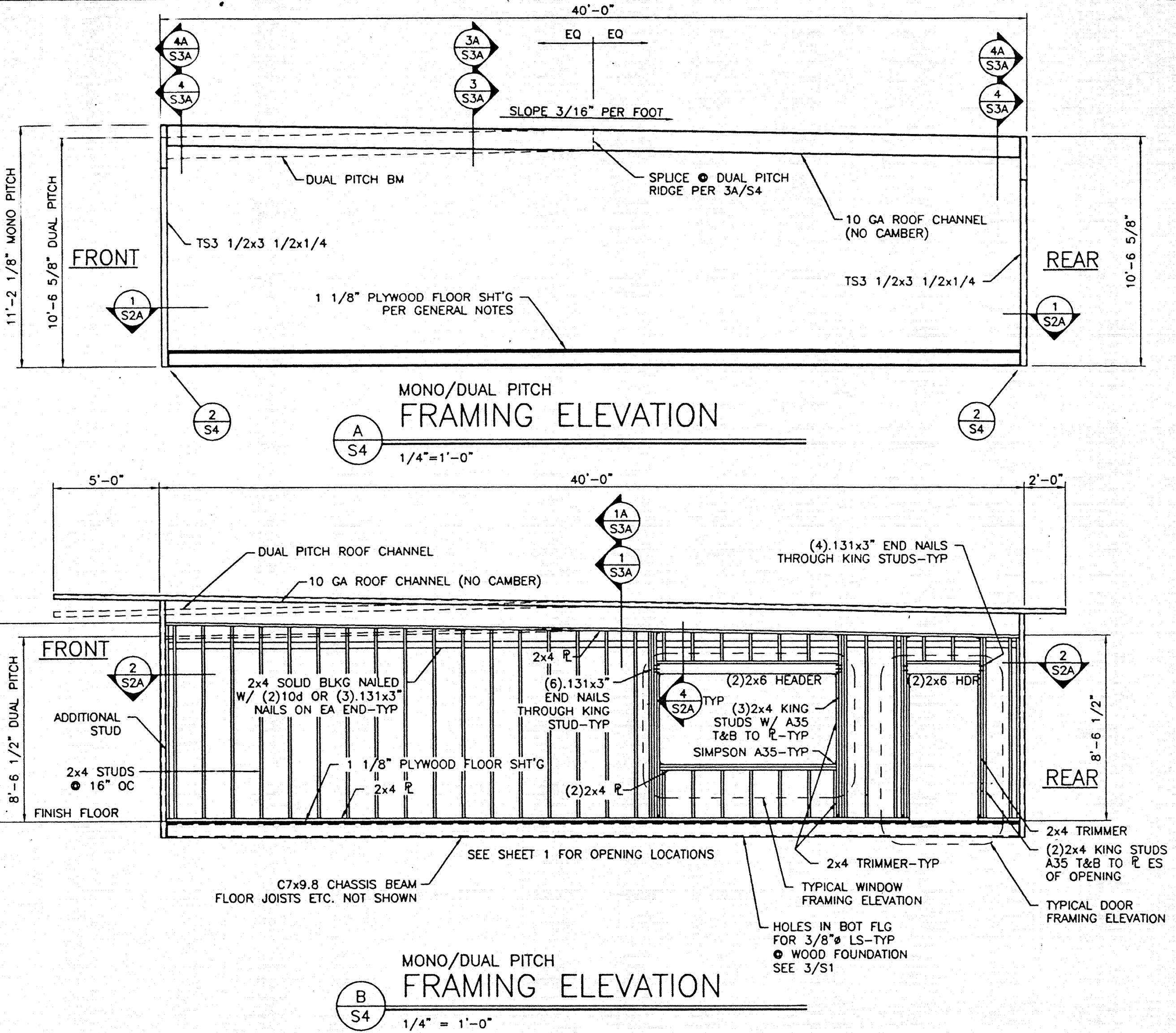
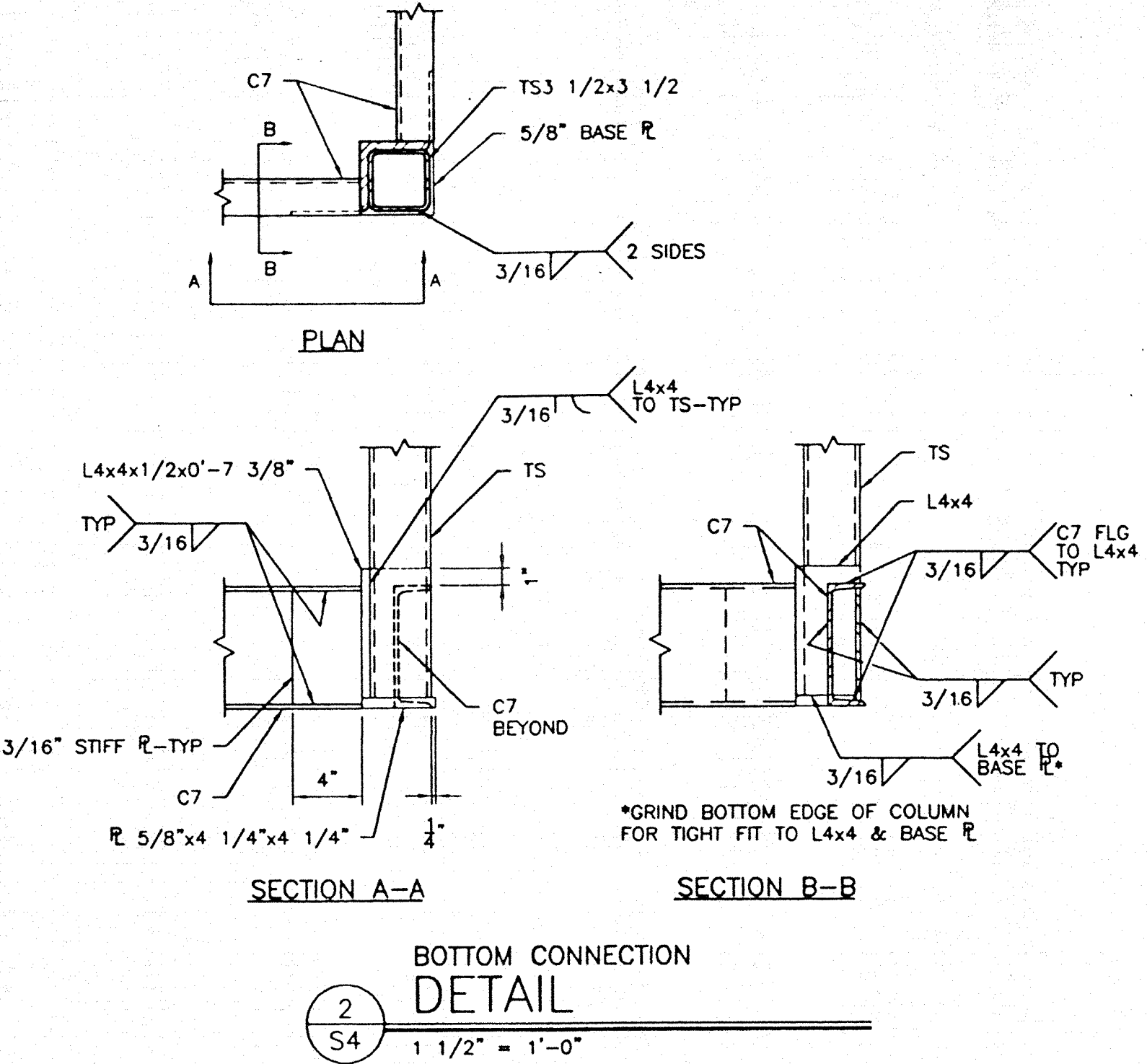
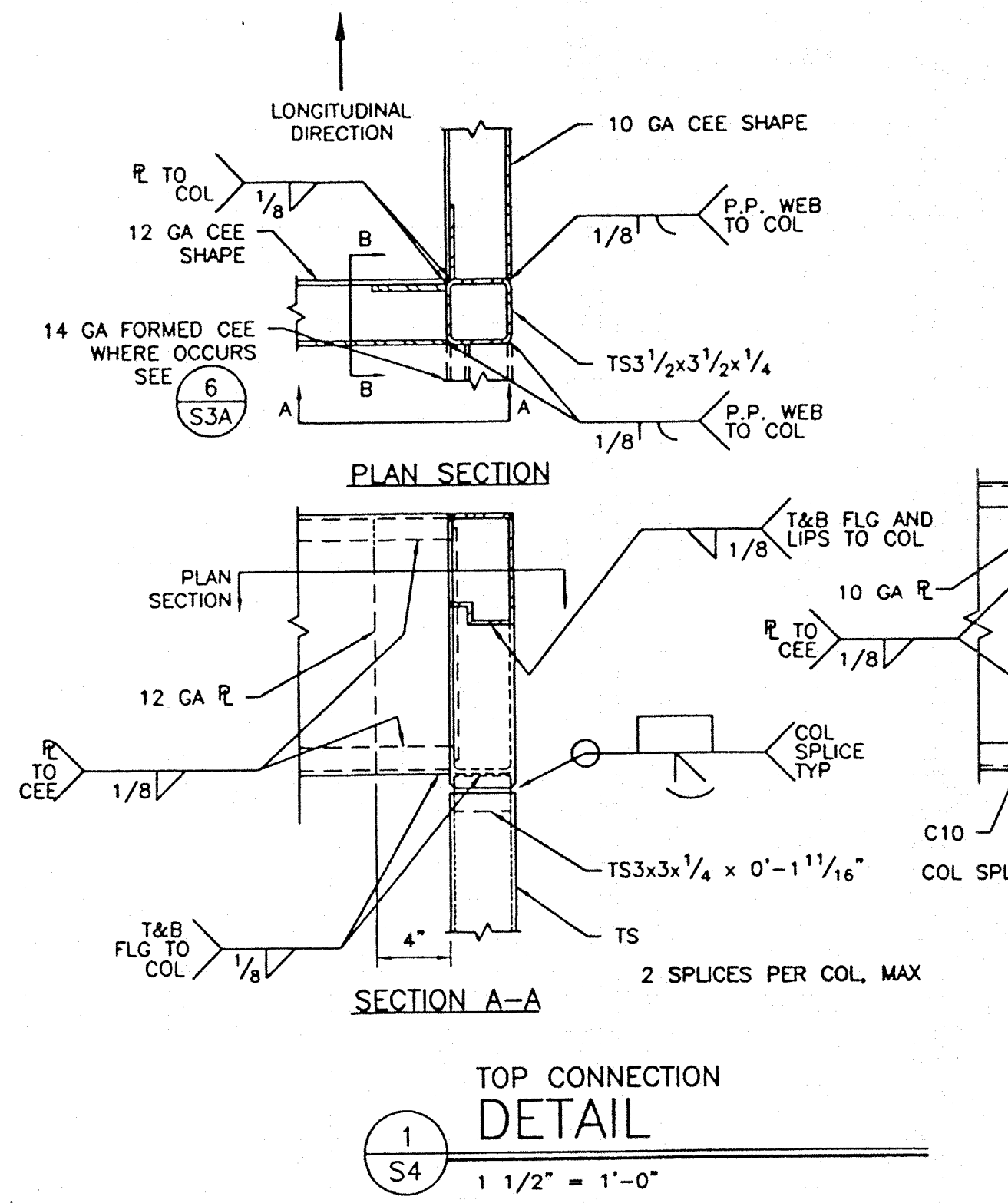


CUSTOMER:
ROOF FRAMING
PLANS AND DETAILS

DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.
99100
SHEET No.
S3



24 x 40
RELOCATABLE
CLASSROOM

**American
Modular Systems**

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
Exp. 3-31-01
Structural Engineering
STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS
AND DETAILS

DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

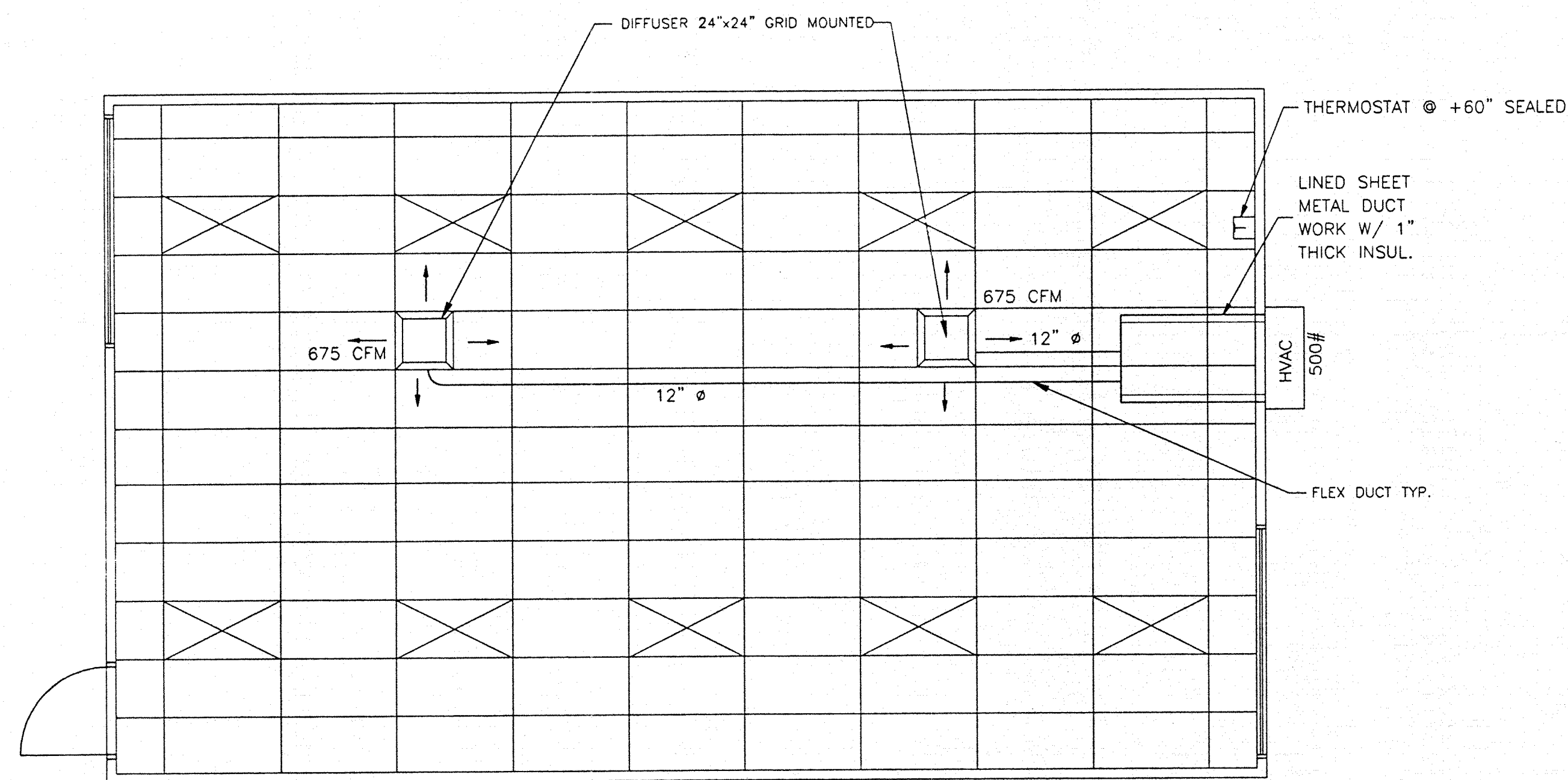
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			2		
3			3		

PROJECT No.
99100

SHEET No.
S4

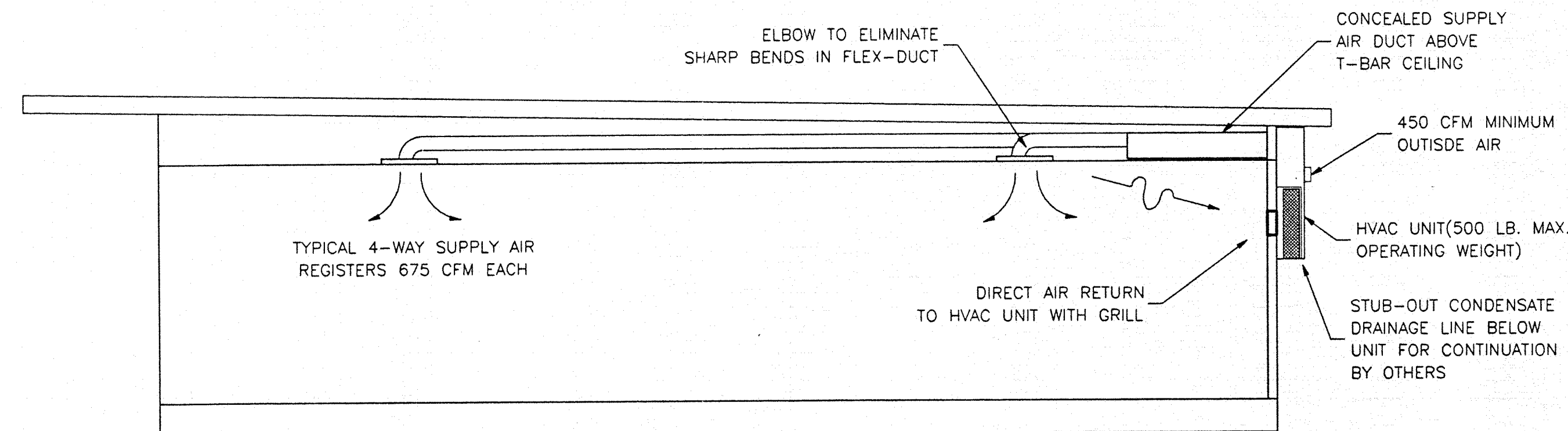
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101937
AC. - FLS - SS - PL
DATE: JAN 12 2000

M:\99100\ACAD\STRU\S4.dwg 102699 104740



HEAT/SUPPLY AIR DUCT LAYOUT

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



HEAT/SUPPLY AIR DUCT CROSS SECTION

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

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.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

**GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)**

- 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 WH42A-XXXXXX

All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.

- 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.
 - The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
- Ductwork.
 - Construct all ductwork of galvanized sheet metal in accordance with U.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 5'0" of HVAC unit.
 - 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 5' 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 ducttboard, 1" thick, and Micro-aire, TYPE 475.
Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
 - Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
 - Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".
 - 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
 - Air conditioning controls.
Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
 - 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
 - Key board lockout switch.
 - Programmable display.
 - 2-hour override minimum.
 - Status Indicated Led's.
 - Battery back-up.
 Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92. Mount @ +60° sealed.
 - Thermal insulation
 - Roof Insulation: R-19 Unfaced.
 - Walls Insulation: R-13 Kraft Faced.
 - Floors Insulation: R-19 Kraft Faced.
 Flame spread and smoke development shall conform to California Building Code sec. 707.
 - 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.

FILE NO.		IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES	
APPL.		AC. FLS. SS.	
DATE		DATE	

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

CUSTOMER:
LODI UNIFIED SCHOOL DISTRICT
2000 CLASSROOMS

MECHANICAL PLAN & NOTES

DATE: 04-24-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

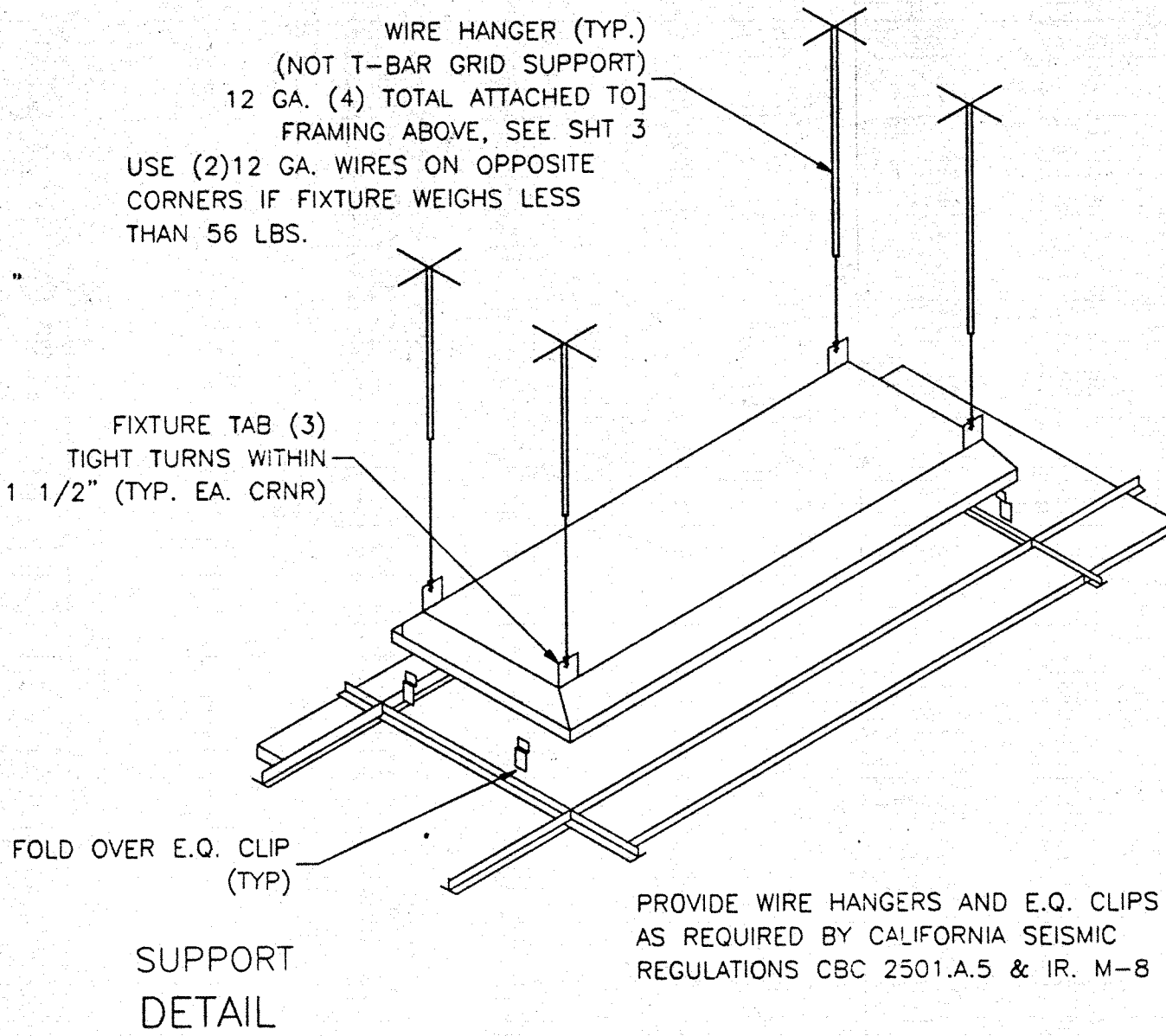
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

SHEET No.
M 1

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.
FLUORESCENT LIGHTING FIXTURE - RECESSED.
FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR)
INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).
DUPLEX WALL CONVENIENCE OUTLETS +18".
SINGLE POLE LIGHT SWITCHES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"x1" #22 4"x2"
WALL CLOCK OUTLET WITH POWER OUTLET +84".
SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
15 AMP DUPLEX RECEPTACLE +18".
JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
PANELBOARD - SEE SCHEDULE.
TERMINAL CABINET - SIZE AND TYPE AS NOTED.
CONDUIT CONCEALED IN CEILING OR WALL.
CONDUIT CONCEALED BELOW FLOOR OR GRADE.
HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, -#3#14, -#4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -#3#10, -#4#6 ETC.
NOTE
A N.I.E.S.
MT
F
W.E.F.]
FIRE ALARM STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE
FIRE ALARM HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
FIRE ALARM VISUAL ALARM - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80" A.F.F. BUT NO GREATER THAN +96" IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
SPEAKER - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
INTERCOM TELEPHONE - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
FIRE ALARM MINI HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.



FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 & C.A. FIRE CODE ART. 10.
- INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT.
- 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.

GENERAL NOTES

- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 25.
- ALLOW FOR 12" MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
- PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
- PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

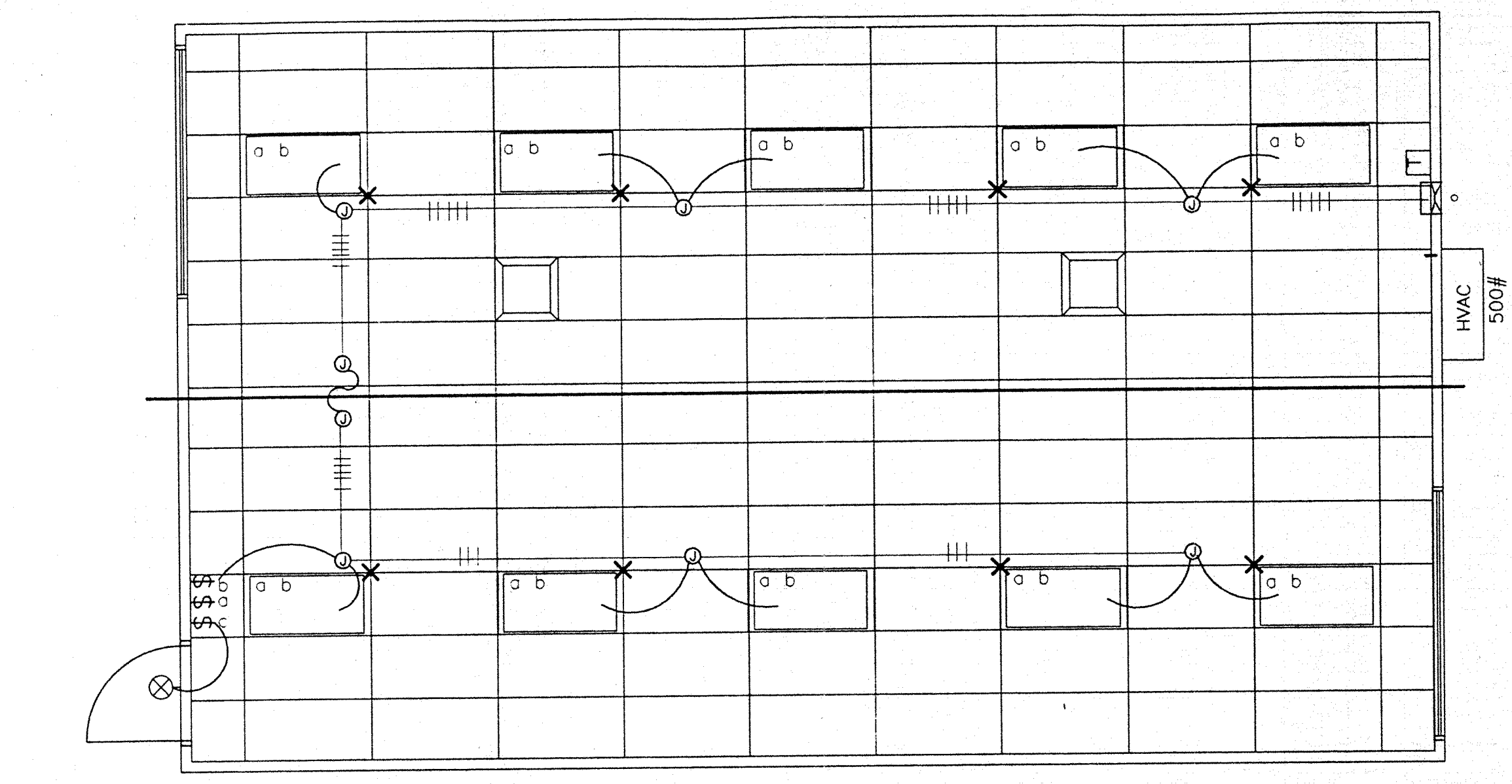
- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
- LUMINAIRES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
- FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH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

ELECTRICAL

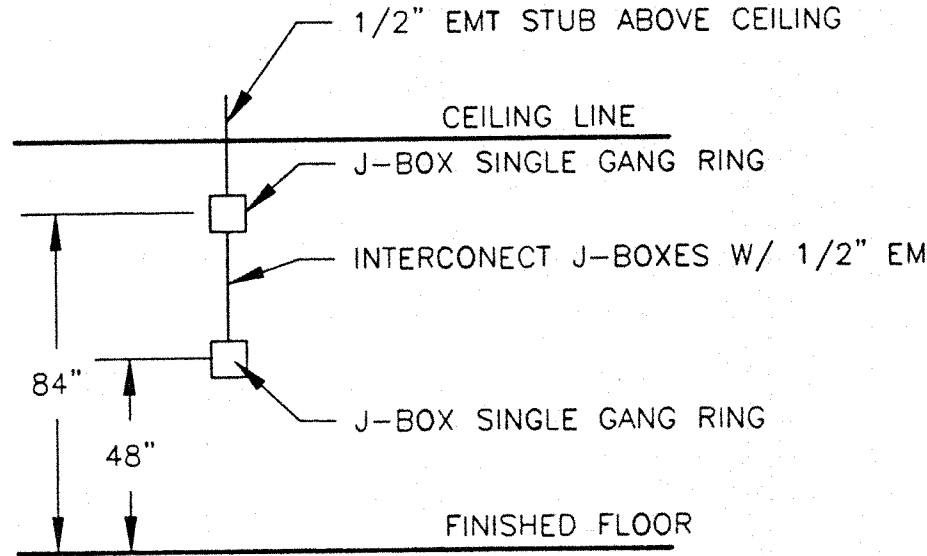
- Electrical service drop and connections supplied by others.
- Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
- Electrical panel board shall be recess mounted inside the building. 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.
- Flourescent 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.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'x4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS, T-8 ELECTRONIC BALLAST, (4)32 WATT TUBES, WT. 27 LBS.	156 W	LITHONIA 2GT432A12120GBE
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE, .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.



1 LIGHT FIXTURE PLAN
E1 1/4" = 1'-0"



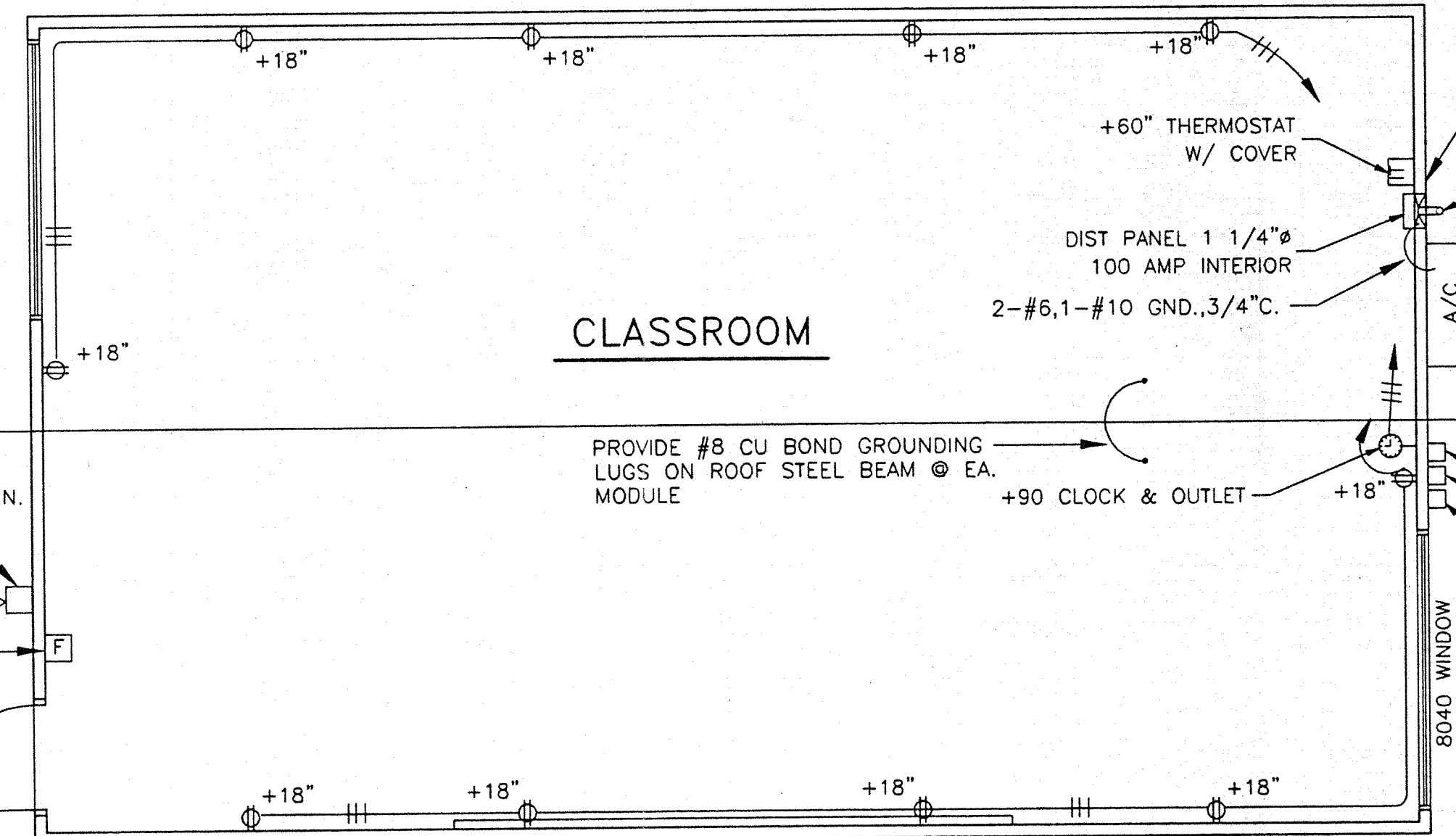
SPECIAL J-BOX INSTALLATION DETAIL

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.

F.A. : CONNECT ALL FIRE ALARM JUNCTION BOXES WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT); STUB TO CEILING ONLY.

DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT

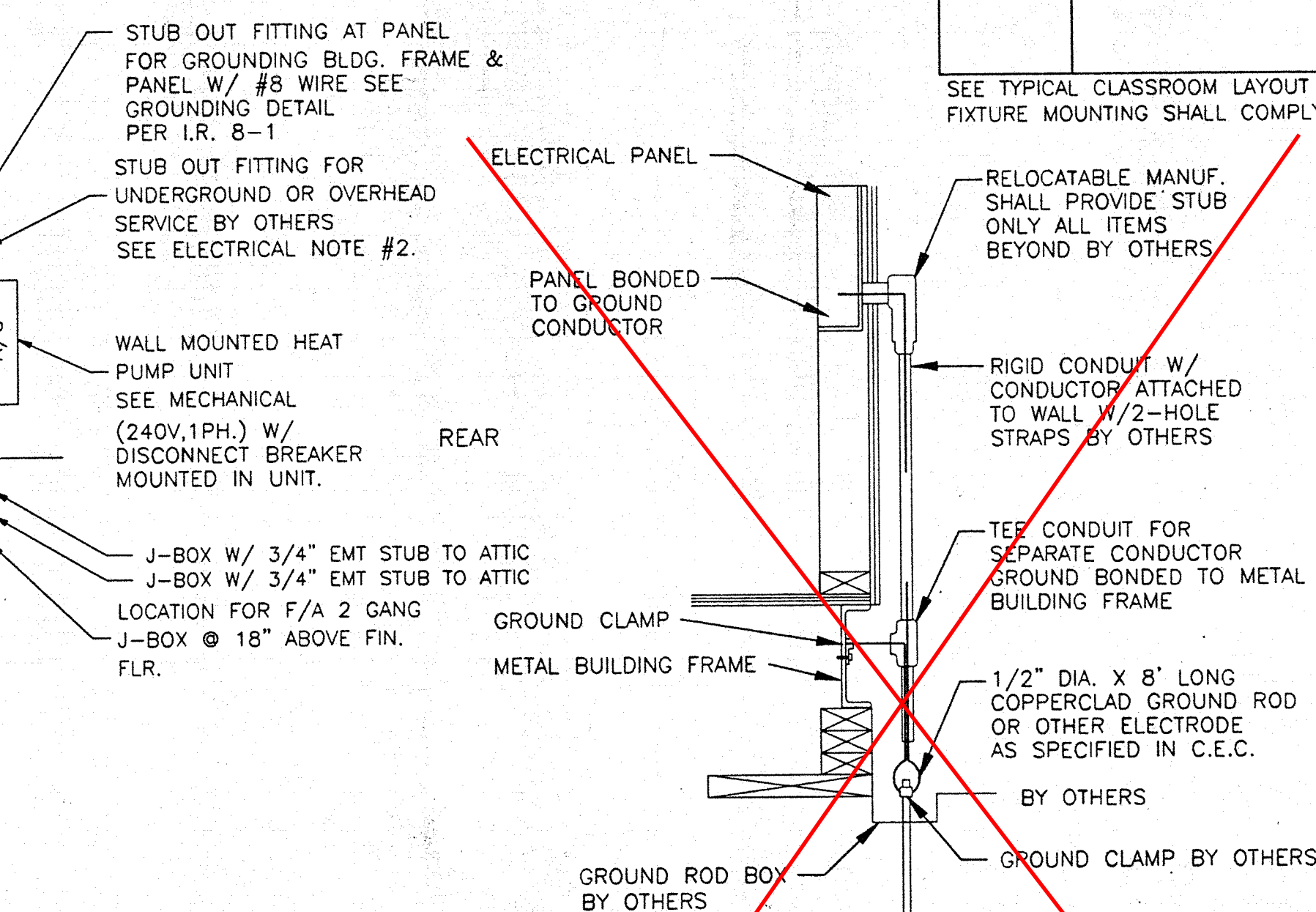
FIRE ALARM HORN @ +90" MIN. J-BOX WITH BLANK WEATHERPROOF COVER ONLY DEVICE N.I.C. STUB TO CEILING
FIRE ALARM PULL STATION +48" TO CENTER J-BOX AND COVER ONLY, DEVICE N.I.C. STUB TO CEILING



2 ELECTRICAL PLAN
E1 1/4" = 1'-0"

FIRE ALARM Junction 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.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing agency



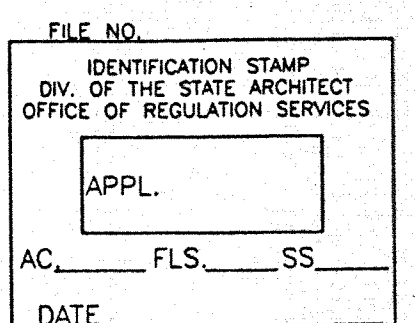
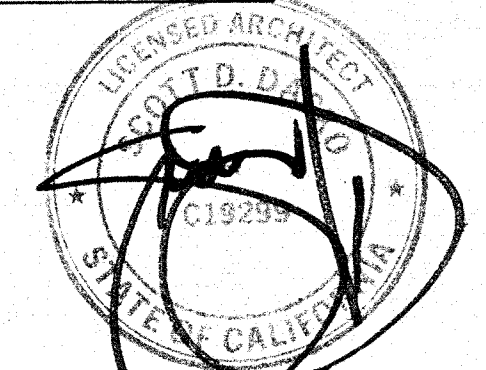
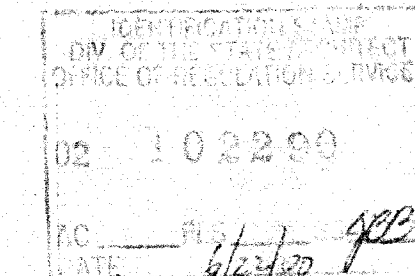
Size of conductors shall comply W/CEC Table
Bond separate conductors from ground rod to electrical panel & metal building from.
In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available.
Electrical bond modules together W/#8 CU @ midline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I-R M-5
INSPECTOR TO WITNESS TEST.

A BUILDING GROUND DETAIL
E1 N.T.S.

VOLTS: 120/240 SINGLE PHASE				PANEL: A				FEED: EXTERIOR LB			
MAIN: 125 AMP MAIN BKR.				LOCATION: INTERIOR				MOUNTING: FLUSH			
LOAD				WATTS	BRK.	C	A	WATTS	BRK.	C	LOAD
LIGHTS, FLUORESCENT	960	15	1	1	2	2	70	6600	A/C HVAC UNIT		
LIGHTS, FLUORESCENT	960	15	1	3	4	2	70	6600			
EXTERIOR LIGHT & CLOCK	100	15	1	5	6						SPACE
DUPLEX RECEPT.	720	15	1	7	8						
DUPLEX RECEPT.	720	15	1	9	10						
SPACE				11	12						
				13	14						
				15	16						
PHASE WATTAGE	1880	1680		17	18			6600	6600		PHASE WATTAGE
TOTAL WATTS "A" LEG 8480								TOTAL WATTS A+B=16760			TOTAL WATTS "B" LEG 8280
TOTAL WATTS: 16760								70	AMPS	120/240V	SINGLE PHASE
											125AMP BUS.

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

3 ELECTRICAL DISTRIBUTION PLAN
E1 1/4" = 1'-0"



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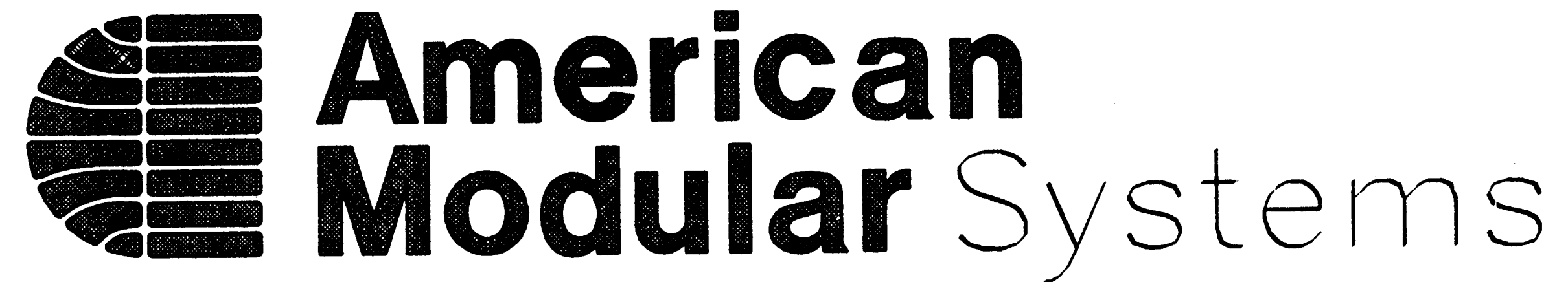
CUSTOMER:
LODI UNIFIED SCHOOL DISTRICT
2000 CLASSROOMS

ELECTRICAL PLAN & NOTES

DATE: 04-24-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
SERIAL NO.

REVISIONS			
NO	DATE	DESCRIPTION	
1			
2			
3			

PROJECT No.
SHEET No.
E 1



24 X 40 RELOCATABLE CLASSROOMS

LODI UNIFIED SCHOOL DISTRICT

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____
NAME: _____
DISTRICT/OWNER: _____
DIVISION-FILE NO. _____ APPLICATION NO. _____
ARCHITECT: _____
STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT
STRUCTURAL
TESTS
AND
INSPECTIONS
ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	CON- CRETE	GUNITE	GROUT/MORTAR
Fill material, acceptance tests			Test of aggregates for mix design only
Compaction control, continuous			Subsidence tests of aggregates as detailed below
Compaction tests only as ordered			Shrinkage tests
Insertion capacity of compacted fill			Classification batch plant inspection
REINFORCING STEEL			Sample
Sample and test bar steel			Compressive tests
Sample and test mesh			Pick up samples at job
Inspect position at job			Samples delivered to laboratory
STRUCTURAL STEEL			Deliver sample forms to jobsite
Sample and test as detailed below			Sample and test cement
Shop fabrication inspection			
Field erection inspection			
Inspection of welds - Shop			
Inspection of welds - Field			
Inspection of riveting or bolting - Shop			
Inspection of riveting or bolting - Field			
Sample and test high strength bolts and washers			
BRICK AND BLOCK			
Sample and test			
Test joints			
Inspection of masonry			
Core drill samples			
GLUED LAMINATED STRUCTURAL LUMBER			
Fabrication inspection			
Sample and test steel accessories			
Inspect fabrication of steel accessories			

SUITABILITY TESTS			
CONCRETE	GUNITE	MORTAR	GROUT
Sodium sulphate			
Structural strength			
Low Angeles rotter			
Clay (hydrometer method)			
Regularity tests			
Volume change			

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE			
MATERIAL	MAXIMUM SIZE	28 DAYS	COMPRESSIVE STRENGTH, PSI, MINIMUM
CONCRETE	1 1/2"	3000	

List of structural steel members to be tested:			
TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212 A.1	TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212 A.1	TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212 A.1	TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212 A.1
3 1/4" x 3 1/4" x 1/4" SQ. COL.	6" x 14 ga. ROOF CEE	6 3/4" x 14 ga. ROOF JOIST	4" x 12ga. ROOF JOIST
10 ga. ROOF CEE	6 3/4" x 14 ga. ROOF JOIST	6 3/8" x 12 ga. JOIST	
2"x16 ga. STRAPS			

Other Tests and Inspections, together with special instructions:	Copies of Reports to:
GROUNDING TEST EXPANSION ANCHORS	DSA/ORS AMERICAN MODULAR SYSTEMS, INC. SCHOOL DISTRICT ARCHITECT

By:	AUTHORIZED REPRESENTATIVE

INDEX

SHEET No. DESCRIPTION

TS-1	TITLE & BUILDING DATA NOTES
N-1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
S1	FOUNDATION PLAN WOOD, DETAILS & NOTES 50#
S2	FLOOR FRAMING PLAN 50# & BUILDING SECTIONS
S2B	BUILDING SECTIONS AND WALL DETAILS
S3	ROOF FRAMING PLAN & DETAILS
S4	FRAMING ELEVATIONS & DETAILS
S5R	RAMP PLAN, ELEVATION & DETAILS
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

BUILDING DATA CLASSROOMS

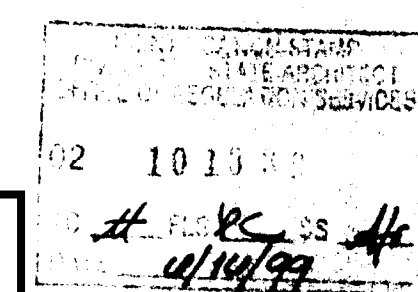
OCCUPANCY	E-2
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	960 SQ FT
FIRE MARSHAL- CALIFORNIA BUILDING CODE (CBC)	TITLE 24, PART 2, CCR (1994 UBC W/ CAL. AMENDS) TITLE 24, PART 3, CCR (1993 NEC W/ CAL. AMENDS) TITLE 24, PART 4, CCR (1994 UMC W/ CAL. AMENDS) TITLE 24, PART 5, CCR (1994 UPC W/ CAL. AMENDS) TITLE 24, PART 9, CCR (1994 UFC W/ CAL. AMENDS) TITLE 24, PART 12, CCR (1994 STD. W/ CAL. AMENDS) TITLE 19
STRUCTURAL - 1995 CALIFORNIA BUILDING CODE (CBC)	TITLES 24 PARTS 1 AND 2
MODULES	MOMENT-RESISTANT
SYSTEM	(2) 12' X 40' MODULES.
FOUNDATION	PRESSURE TREATED WOOD
SEISMIC	ZONE 4



RELOCATABLE BUILDING P5



333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018



FILE NO.
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL. PC 387 AC. FLS. SS. DATE

JOB NO.
DATE: APRIL 9, 1999
SHEET NUMBER
TS-1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

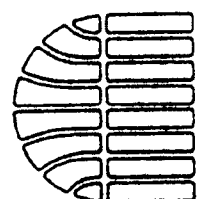
- GENERAL
 - THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 - NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 - ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
- SCOPE OF WORK
 - THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
- ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 - GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 - INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 - ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 - OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 - CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 - THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 - ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 - EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT THE TIME OF OSA APPLICATION.
 - ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 - SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 - THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
 - FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
 - ALL TESTS AND INSPECTIONS REQUIRED BY OSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

- ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
- FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.
- NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, JR 23-8, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.
- WORK NOT INCLUDED
 - ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
 - ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
 - WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
 - ACCESSIBILITY OF SITE
 - THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING				
DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

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SECTION 6 WORKMANSHIP

- GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
- WELDING - ALL WELDING DONE BY SHELVED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTION 2212.A.5 WELDING ELECTRODE SHALL BE E70XX.
 - STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36
 - PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
 - STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
 - STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- ERECTOR - STRUCTURAL STEEL, ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- HANDRAILS - FABRICATED, AS DETAILED. WELDS GROUND SMOOTH.
 - EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.
- TESTS
 - PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2, CCR SECTION 2212.A.1.

SECTION 6A CARPENTRY

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
- MATERIALS
 - LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17 OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CBC EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
 - JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR #4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
 - HEADERS, POSTS AND TIMBERS-DOUGLAS FIR #4S #1
 - BLOCKING - DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
 - SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR ANWP STAMP. LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
 - PLYWOOD ROOF DECKING - NOT USED.
 - PLYWOOD FLOOR DECKING - APA STURO-I-FLOOR 2-4-1 OR UN-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
 - EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR.
 - MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
 - STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.
 - FASTENERS - ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 25-17. ELECTROGALVANIZED COMMON NAILS U.N.O.
 - BUILDING TRIM - 2X RESAWN SELECT D.F., H.F., OR CEDAR
 - DOOR/WINDOW TRIM - 1X4 REAWN D.F., H.F., OR CEDAR
 - FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
 - FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
 - ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
 - FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
- WORKMANSHIP
 - FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - NAILING - IN ACCORDANCE WITH TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, TABLE 23-I-Q
 - EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 - MACHINE APPLIED NAILING
 - USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
 - THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
 - MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL.
 - JOISTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
 - TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
- MATERIALS
 - SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 24 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - SOLDER - OF STAND-GRADE "A" OF EQUAL PARTS ARD BRAND LEAD AND TIN ASTM B32
 - FLUX - ZINC SATURATED MURIATIC ACID.
 - GUTTERS: 24 GA. G-90 GALV. STEEL. DOWNSPOUTS: 2"x3" STEEL TUBING.
- WORKMANSHIP
 - SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES. CORNERS AND ANGLES FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
- MATERIALS
 - ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV INTERLOCKING SHEET STL PANELS (G90).

SECTION 7J SEALANT

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
- MATERIALS
 - VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS, "GEOCEL" SILICONIZED CAULK, GE. DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL
- WORKMANSHIP
 - SEALANT APPLIED TO DRY CLEAN SURFACES. WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE CONCRETE (IF USED)

- CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
- REINFORCING BARS-ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
- EXPANSION JOINT FILLER: ASTM D994
- FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER; OR METAL FORMS.
- PLACING REINFORCEMENT, PLACING CONCRETE SURFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24, PART 2.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
- MATERIALS
 - DOORS - TYPE I FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY 18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 - FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
- WORKMANSHIP
 - ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION. DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D FINISH HARDWARE

- SCOPE OF WORK
 - CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.
- SCHEDULE FOR EXTERIOR DOORS
 - SEE NOTE ON FLOOR PLAN.
- SPECIAL REQUIREMENTS
 - EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
 - CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
- MATERIALS
 - FOR EXTERIOR WOOD:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	EDWARDS 42-9M	MOORE 1240	WILLIAMS Y24W20	289-N
FINISH	00-60-XX	1240-XXX	B54WZ102	GE2-NXX
 - FOR INTERIOR TRIM

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	EDWARDS W450-XX	MOORE 1650-XXX	WILLIAMS A26W11	40XX
 - FOR METAL

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	EDWARDS 43-4	MOORE 1710	WILLIAMS B50N26	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX
- WORKMANSHIP
 - ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 - EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST TWO FINISH COAT. FINISH COATS SHALL BE ROLLED ON AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
 - INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
 - INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
 - METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYLID FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
 - RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE.
 - ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQUAL.
- SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS
 - IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 - THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
 - CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

- SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
 - EQUIPMENT
 - SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
 - WORKMANSHIP
 - UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
- MATERIALS
 - ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION.
 - ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHEARHARDIZED, EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
 - PANELBOARDS - FLUSH MOUNTED.
 - CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE - #14.
 - RECEPTACLES - AS NOTED, +18" A.F.F. MIN.
 - CLOCK RECEPTACLE - AS NOTED.
 - SWITCHES - AS NOTED, +48" A.F.F. MAX.
 - LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
- WORKMANSHIP
 - MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
 - BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.), (FLEXIBLE CONDUIT S-BEND SEALITE)

INSPECTION

- INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.
 - IN-PLANT INSPECTION.
 - ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTION APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM 555-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTRACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

TWO (2) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3" X 1" -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- MANUFACTURER'S BUILDING NUMBER
- DESIGN WIND LOAD
- DESIGN ROOF LIVE LOAD
- D.S.A. APPLICATION NUMBER

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL. IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

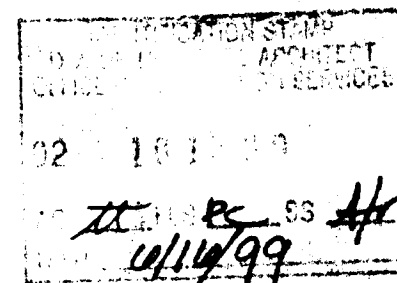
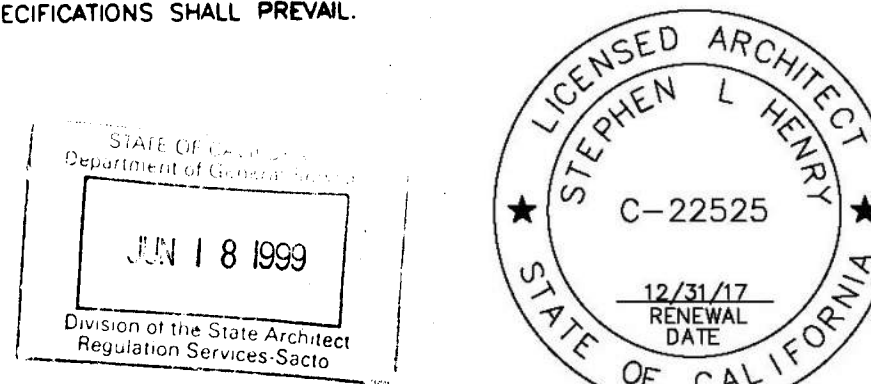
DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 24' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5" MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2" OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT, FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.



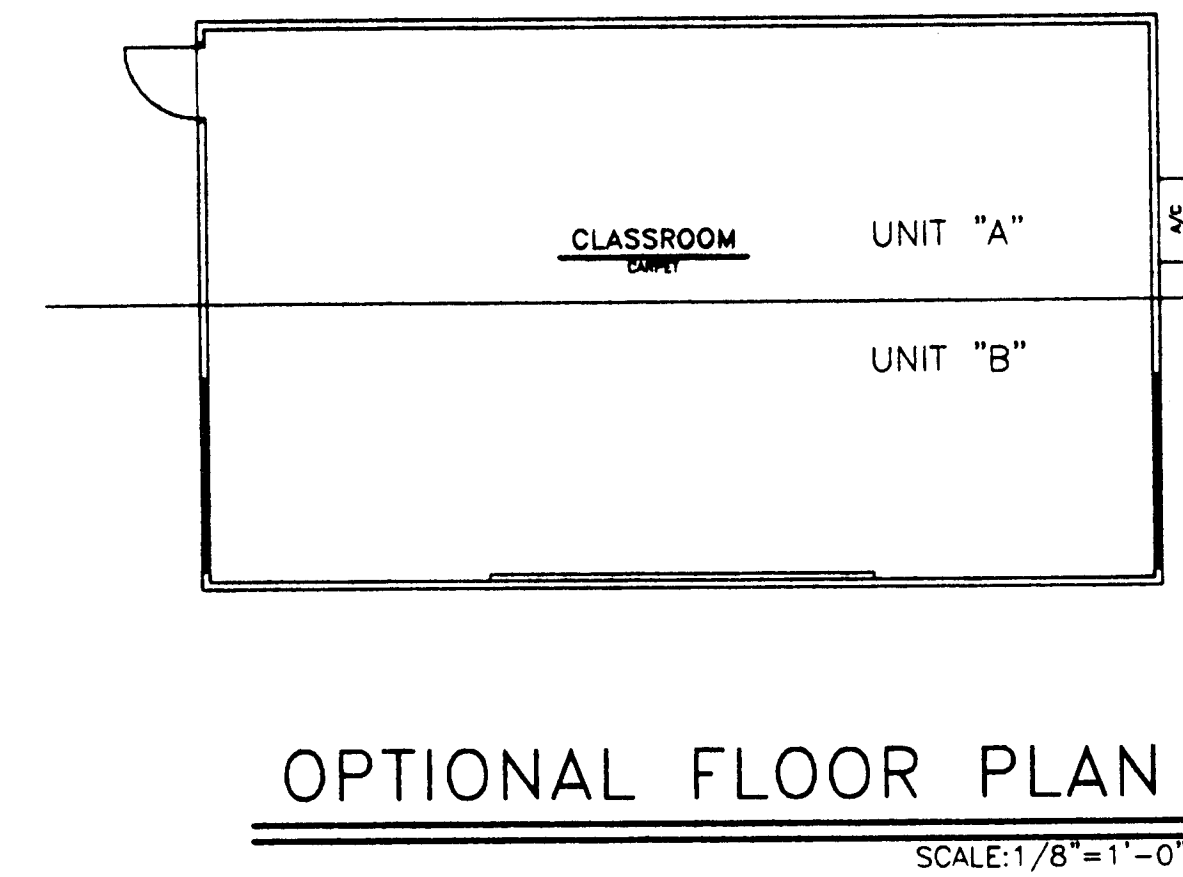
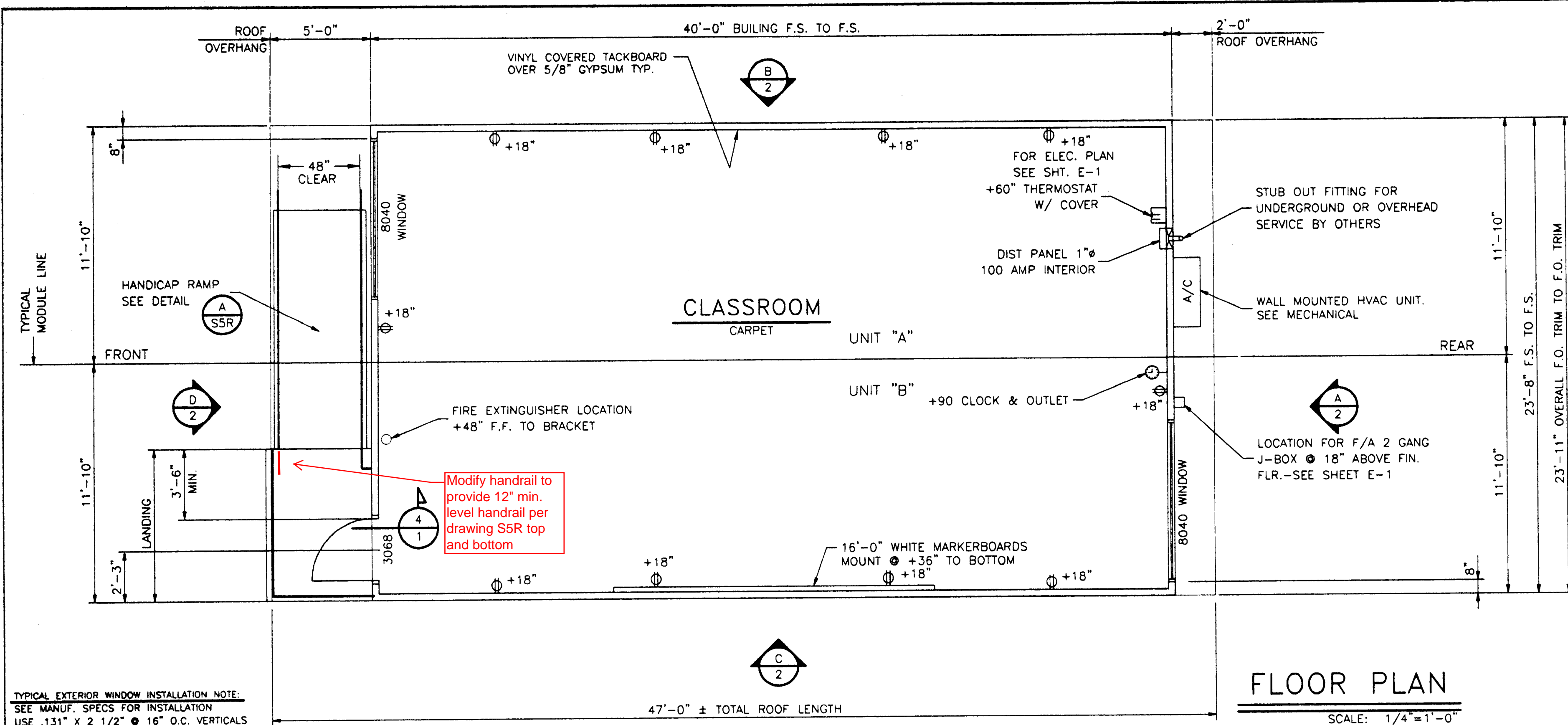
FILE NO.	CERTIFICATION STAMP
	OFF. OF THE STATE ARCHITECT
	DIV. OF REGULATION SERVICES
	APPL. PC 387
AC	FLS
	SS
	DATE

CUSTOMER:

GENERAL NOTES

DATE: 4-12-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		



- NOTES**
1. Floor: Carpets - Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 1220-XXX-01, Group 1, Type A, Class 25. Color will be selected by District after award of bid. The carpet density shall be 4500 minimum. Pile yarn shall be bonded nylon. No cross seams shall be allowed.
2. Base: Resilient Cove Base - Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set. Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by Johnsonite Co., Flexco, or equal. Apply cove to complete perimeter of classroom.
3. Interior walls shall be vinyl covered tackboard U.O. applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an iron-on coating and shall have a minimum density of 18 lbs. per sq. ft. The vinyl coating shall be made of virgin vinyl colored base color weighing a minimum of 8 oz. per square yard. The coating backing shall be sheathing or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped to the tackboard. Tackboard shall be applied over 5/8" sheetrock or 3/8" plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by the California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by Chatfield-Clarke or comparable. Core shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.
4. Ceiling: Suspend 1-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501A.5 and IR #47-4 inclusive as applicable to classrooms.

- DOORS & WINDOWS**
- Exterior Doors: Metal Doors - 3'-0"X6'-8" hollow metal door construction of 1 sheet of 18 ga steel assembled per CS242 min and reinforced with 20 ga min continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite - 3/16" minimum tempered glass or laminated as - 1 glass of solar gray glass reducing type with a light transmission factor of 45% maximum.

Interior Lite - 1/8" minimum clear tempered.

Minimum air space shall be 1/4".

Space - Bent or sealed corner aluminum with desiccant fill.

Sealer - Butyl primary seal and polysulfide or silicone secondary seal.

Certification - All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-BB voluntary spec. For aluminum prime windows and sliding glass (ANSI) commercial grade.

Hardware:

A) Hinges: HAGER 4-1/2X4-1/2 bolts, BBI 275 US260 1-1/2 pin each door with set screw in barrel and ball bearing design, or approved equal.

B) Lockset: Classroom lever handle lockset, mortise or cylindrical type, Schlage D70PD (Rades) or equal US260 finish.

C) Closer: Norton 7500BF series, LCN 1460 Del series or equal.

D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra W5007, at door jams and head or equal.

E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

F) Doorstop: Quality #44, or equal.

G) Latchguard: BBW 9616, or equal.

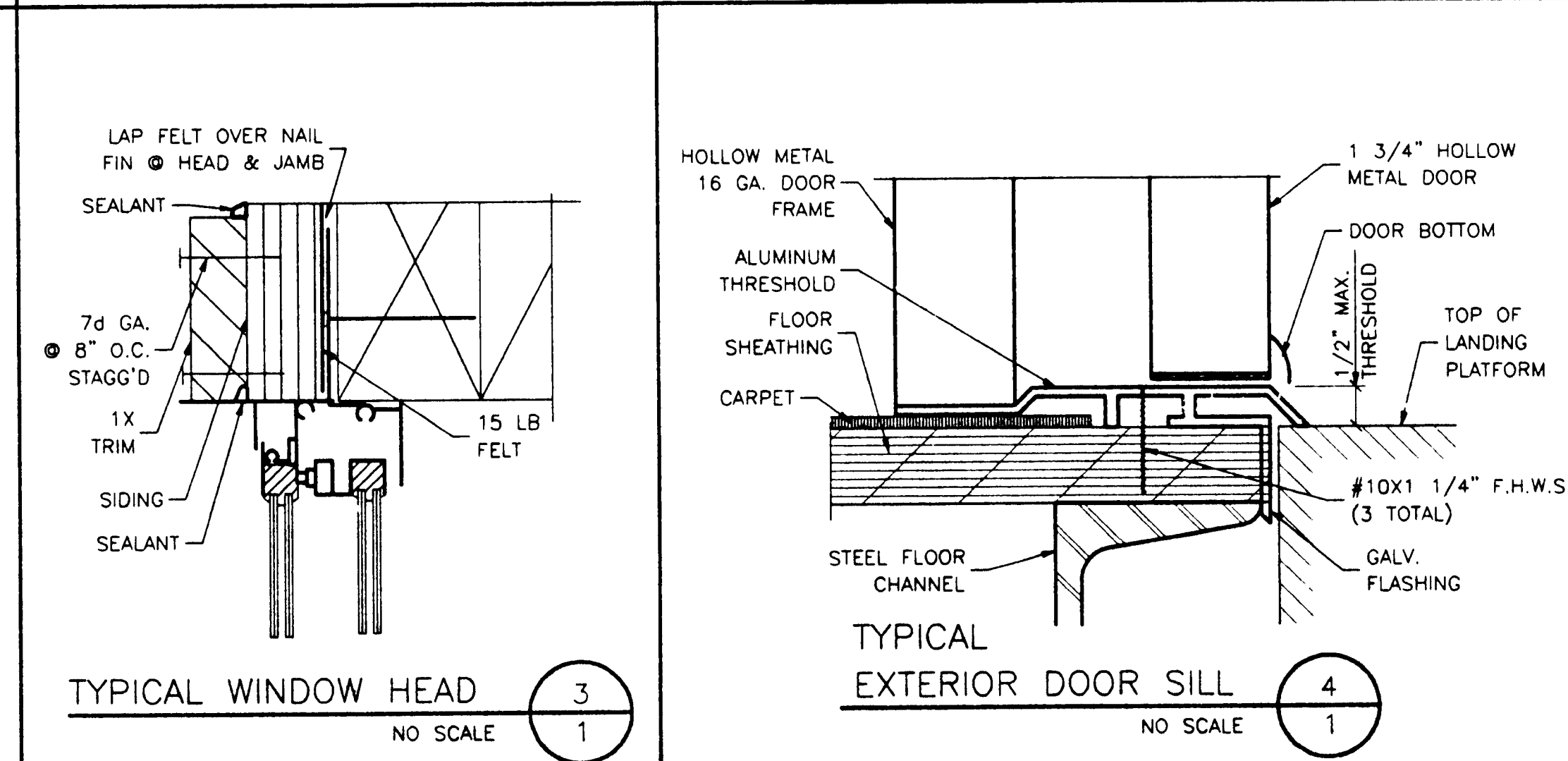
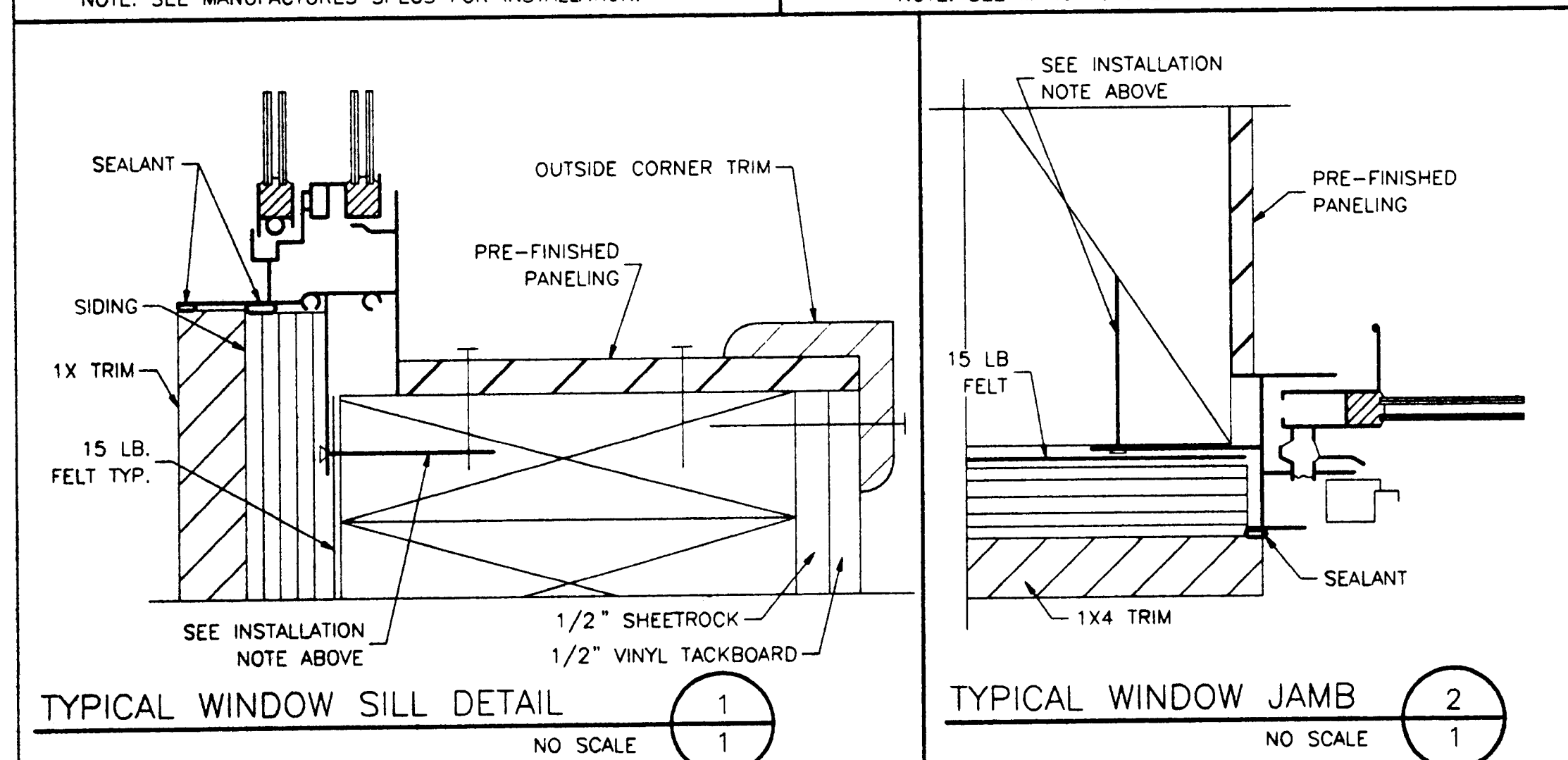
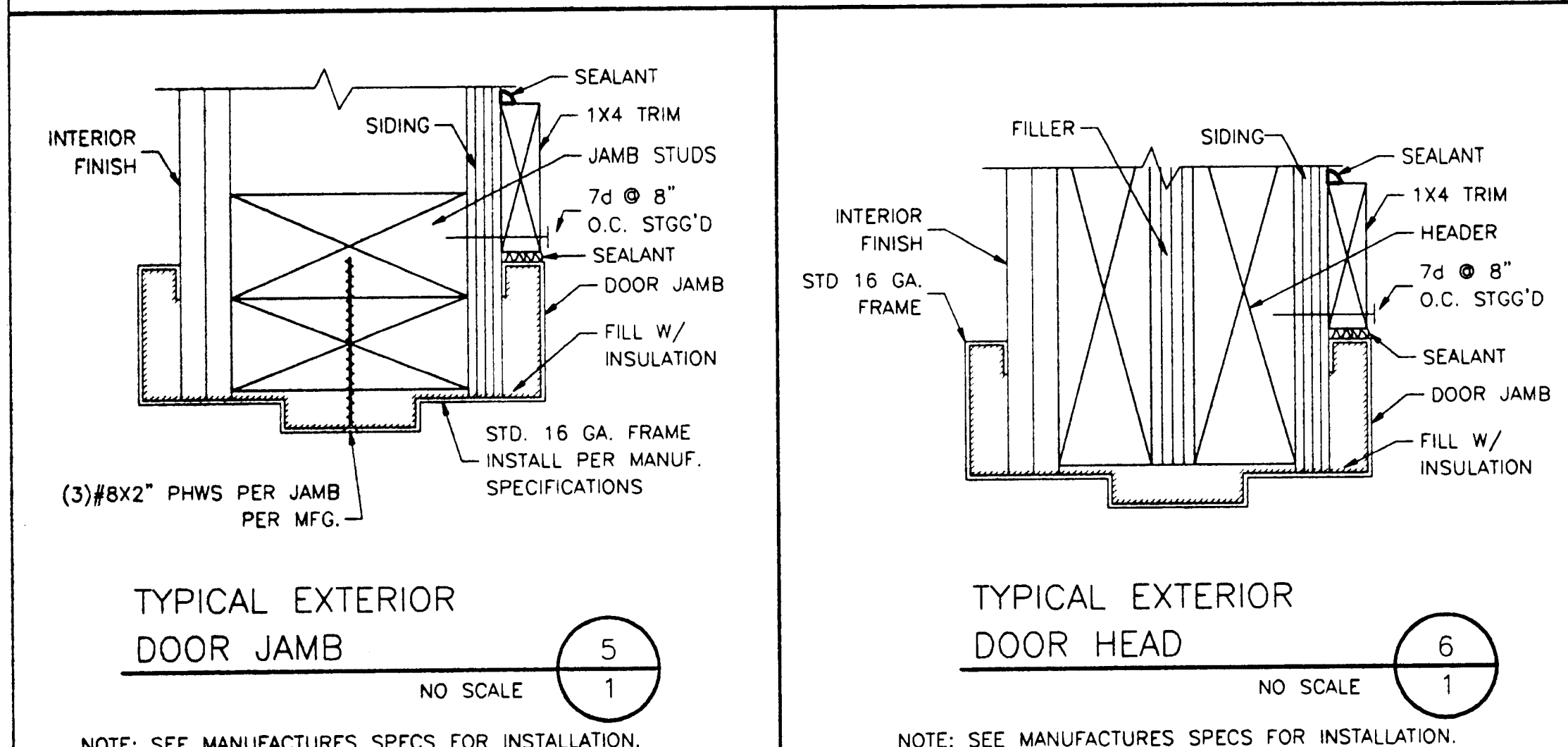
H) Kickplate: BBW 37-10", or equal.

FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2A10BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45 lb/cu ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-1/2" x 1/4" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, per panel shall be provided. One flag holder, 1/2" wide, shall be provided for each classroom. Each classroom shall be 2 ea 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking w/ #6x3 oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.



10/10/99



FILE NO. _____

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

APPL. _____

AC. _____ FLS. _____ SS. _____

DATE _____

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

CUSTOMER: _____

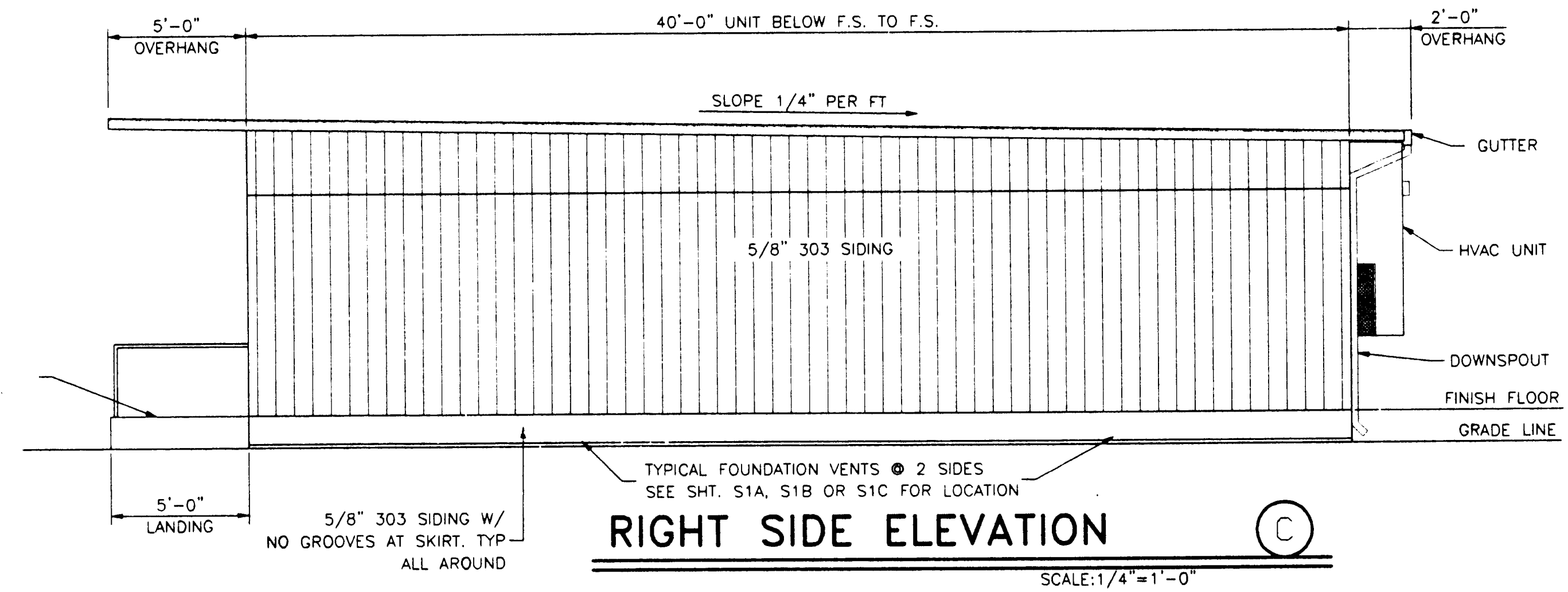
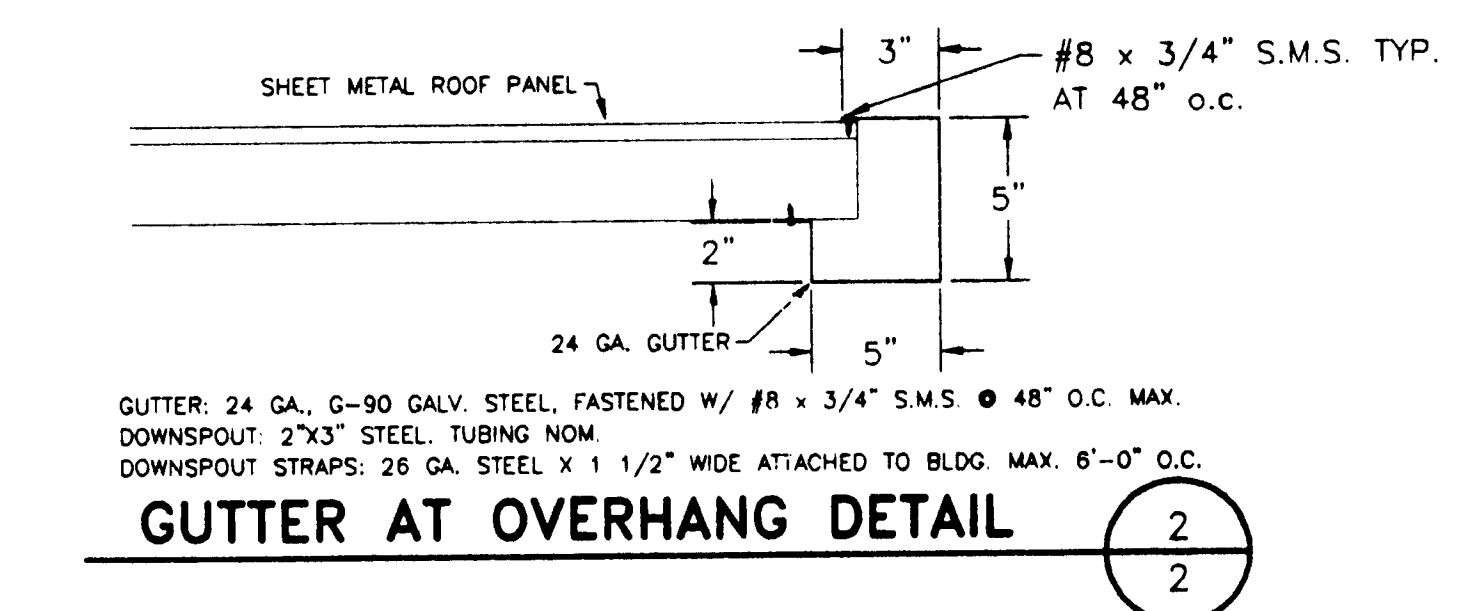
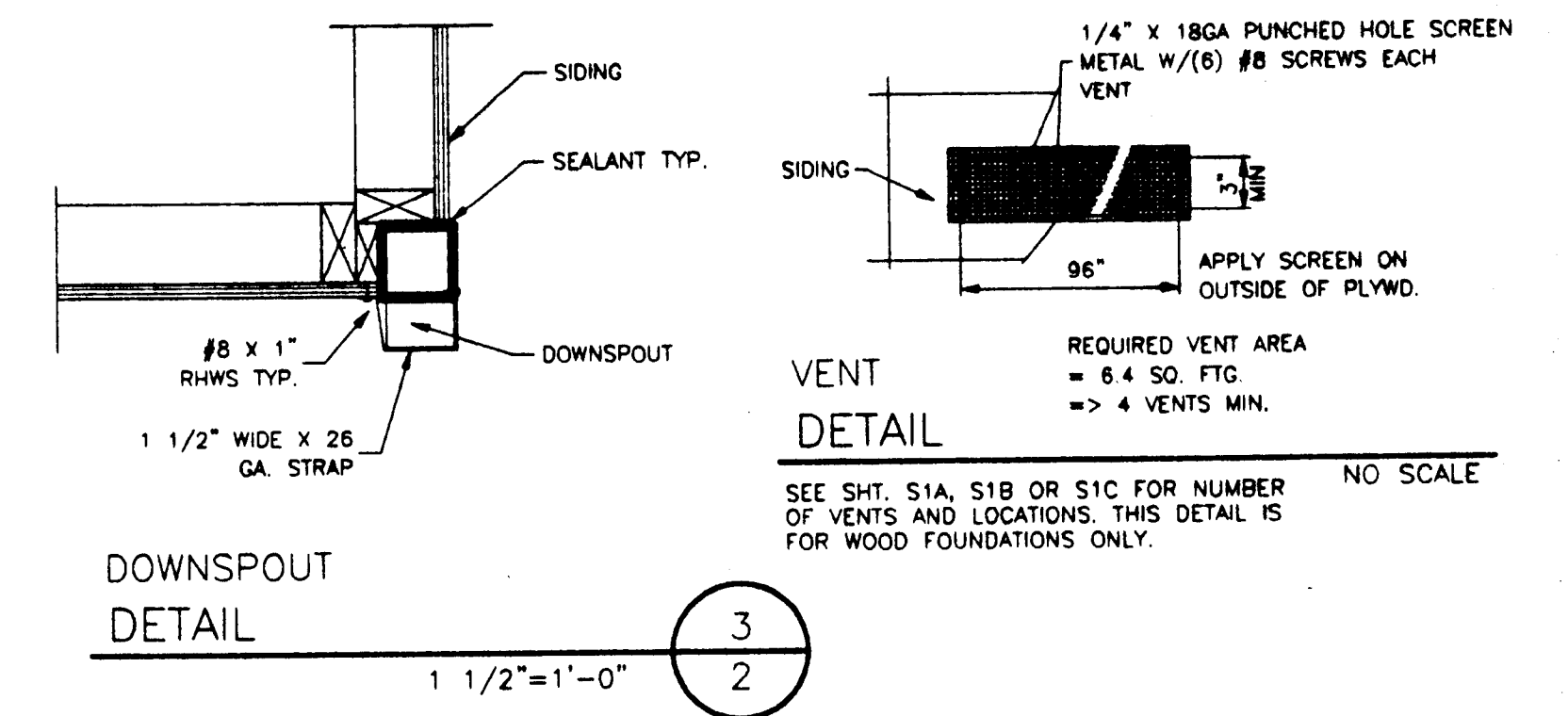
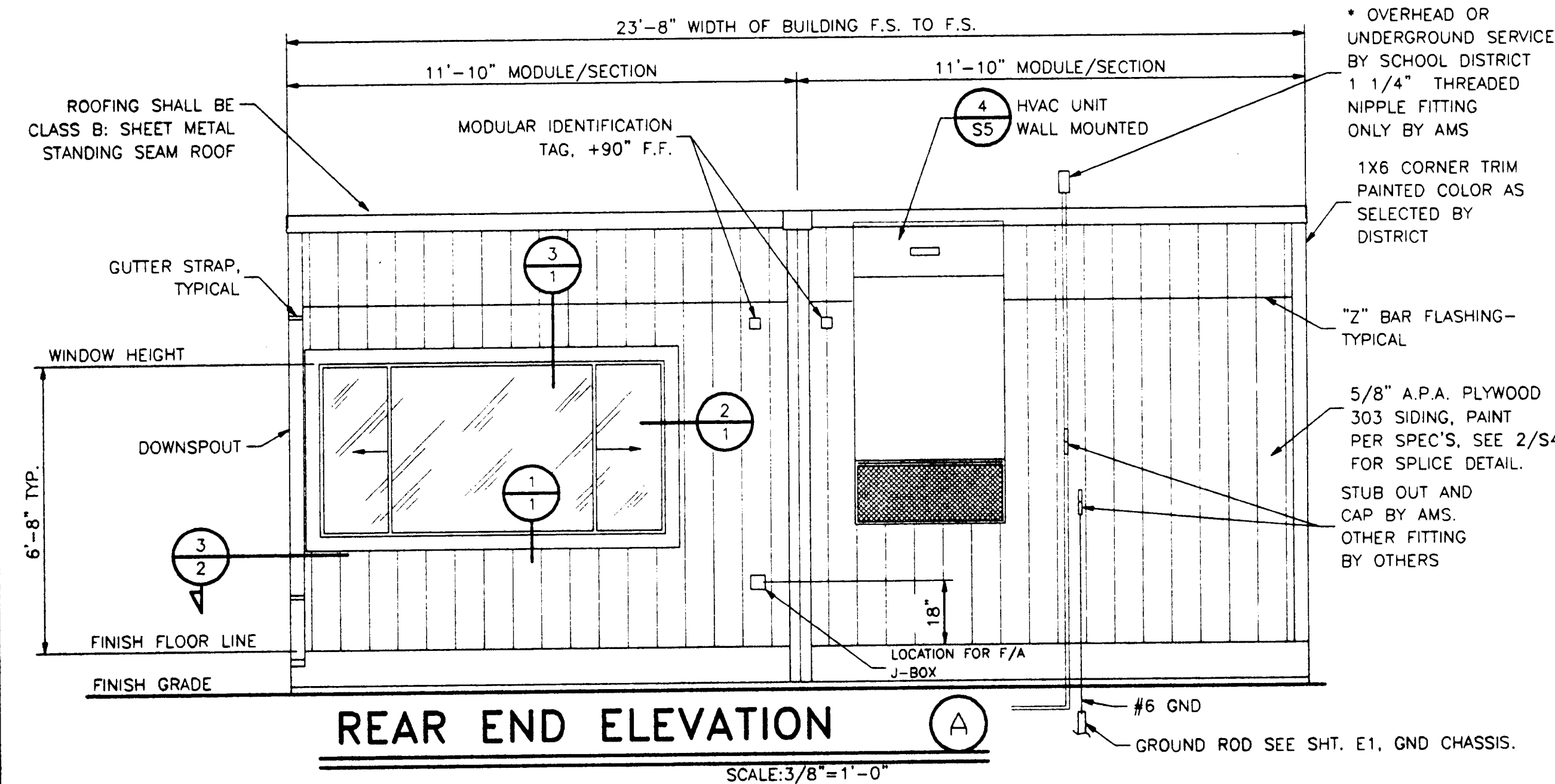
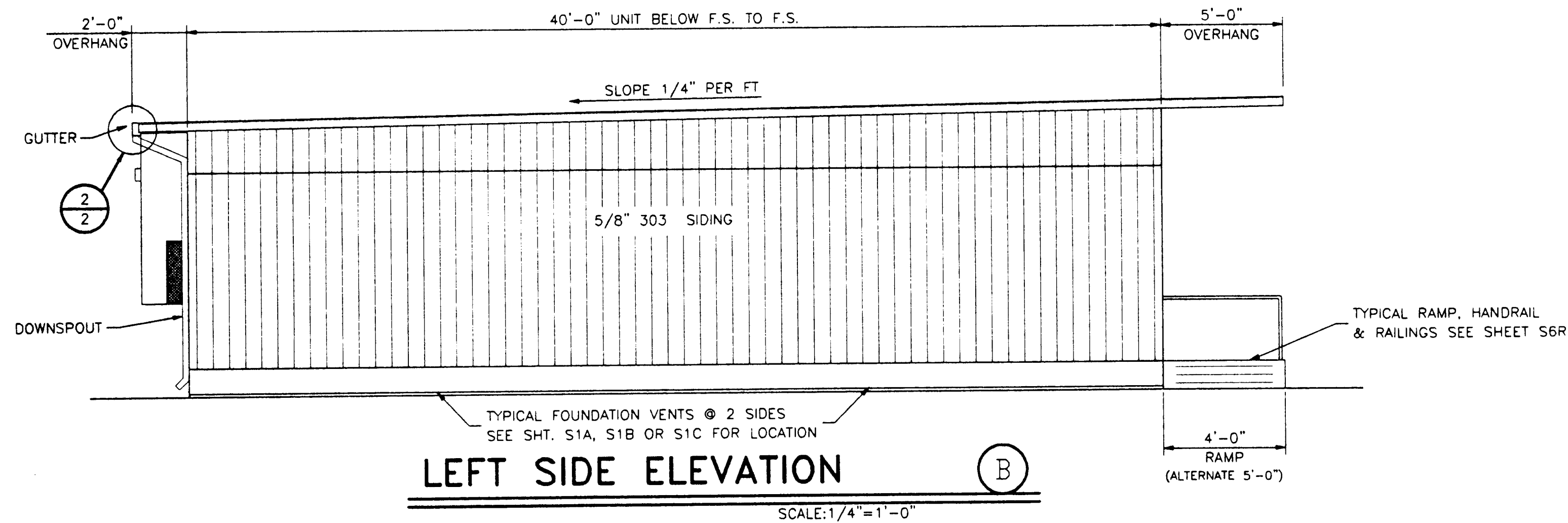
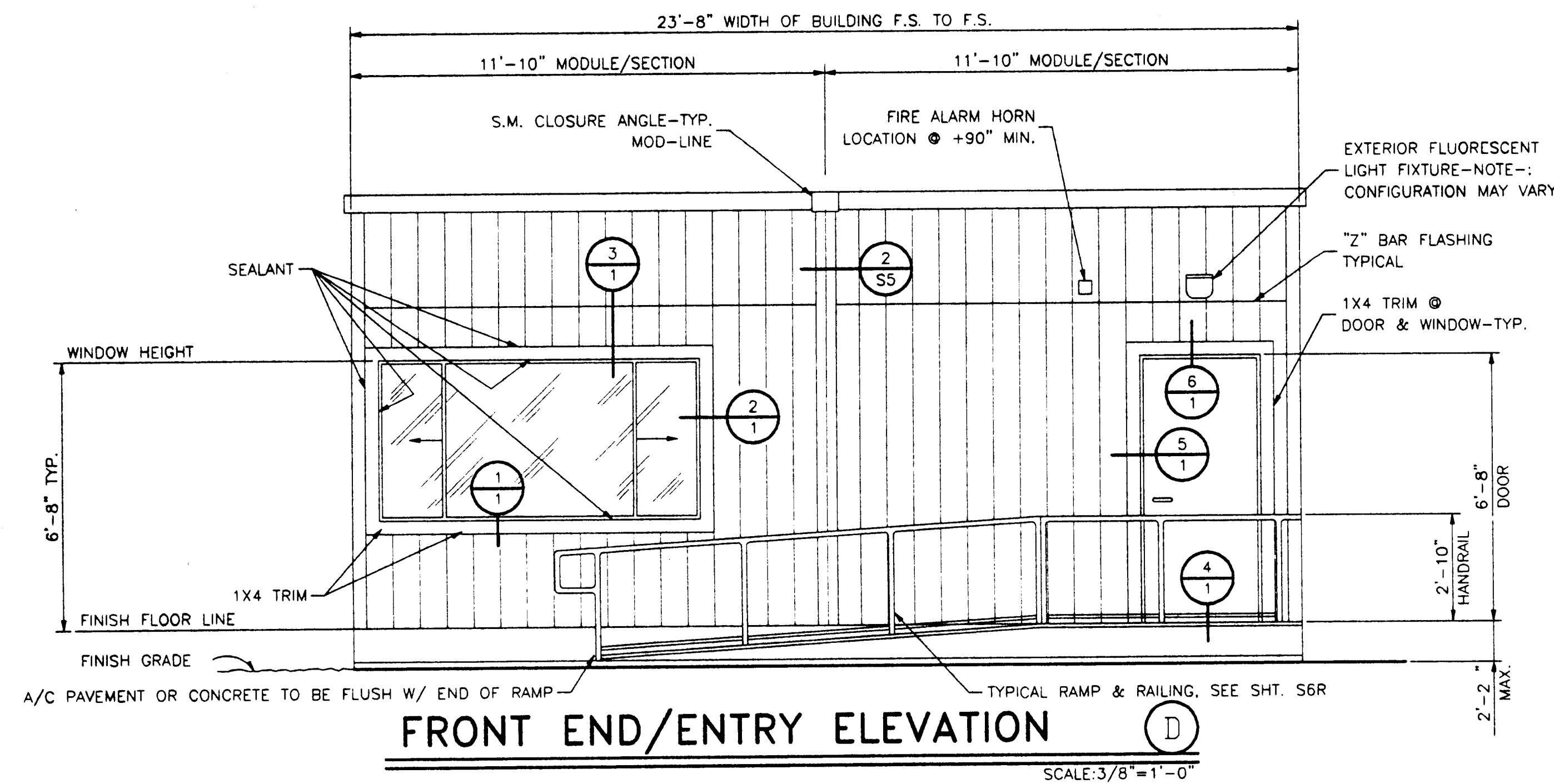
FLOOR PLAN & NOTES

DATE: 4-9-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY: _____
CHECKED BY: _____
SERIAL NO. _____

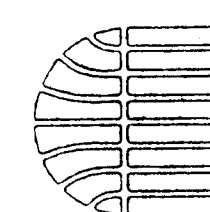
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			1		
2			2		
3			3		
4			4		

PROJECT No. _____

SHEET No. **1**



24 X 40
RELOCATABLE
CLASSROOMS



**American
Modular Systems**

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

CUSTOMER:

EXTERIOR ELEVATIONS

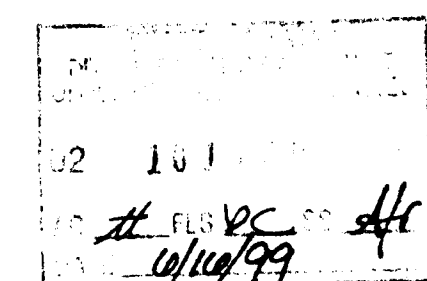
DATE: 4-12-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			2		
3			3		
4			4		

PROJECT No.

SHEET No.

2



FILE NO.

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES

APPL.

AC. FLS. SS.

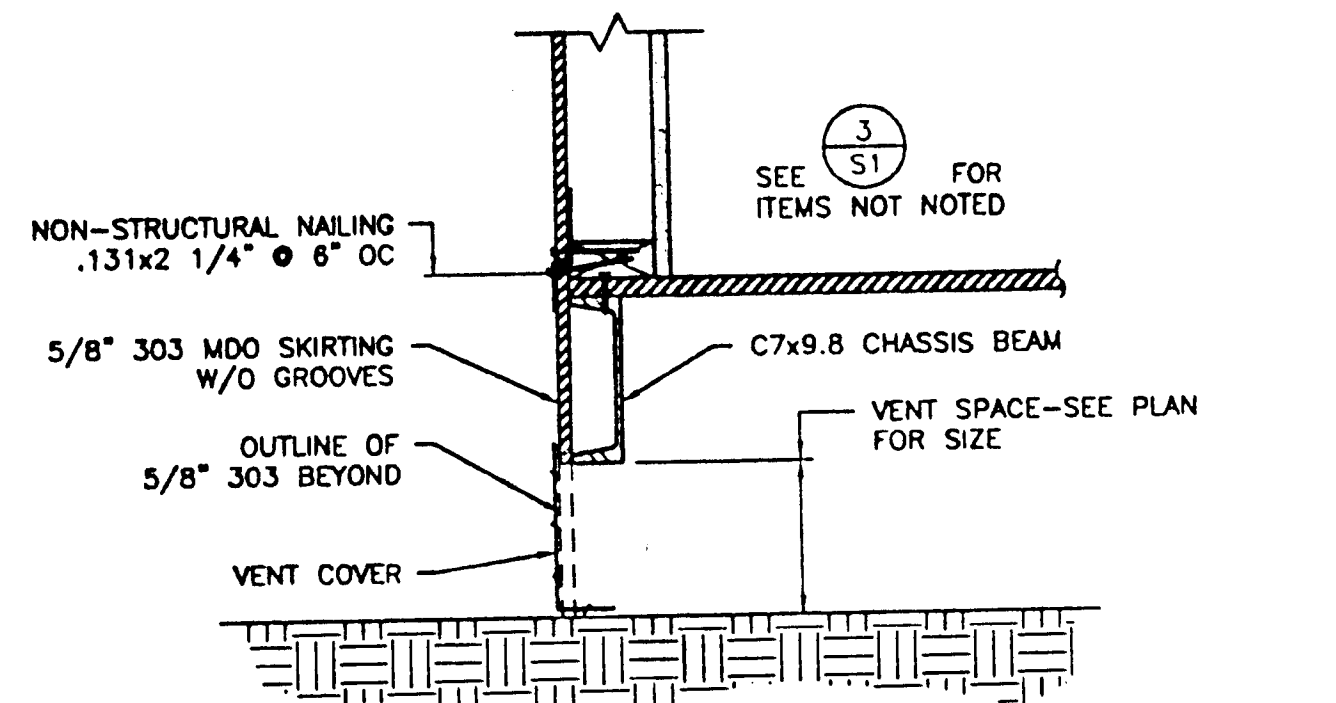
DATE

3

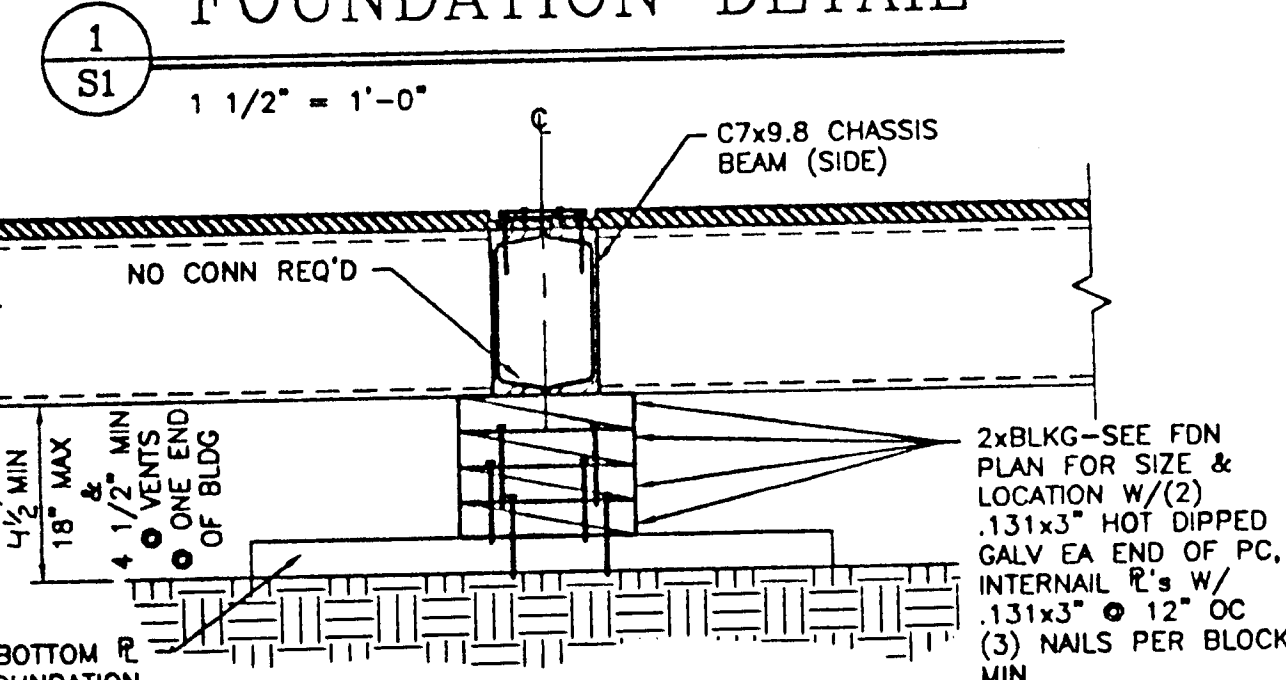
FOUNDATIONS:
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING THE MATERIAL IN THIS UNIT WAS TREATED PER 1995 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 FOR ABOVE GROUND USE. THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE Banded SEPARATELY FOR SHIPMENT TO THE

JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH Banded UNIT SHALL BE ATTACHED TO THE MATERIAL. CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED. INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING, THAT REST ON AND ARE PART OF EXTERIOR FOUNDATION WALLS AND ARE LESS THAN 8 INCHES FROM EXPOSED EARTH SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD PER 2013 CBC, SECTION 2304.11

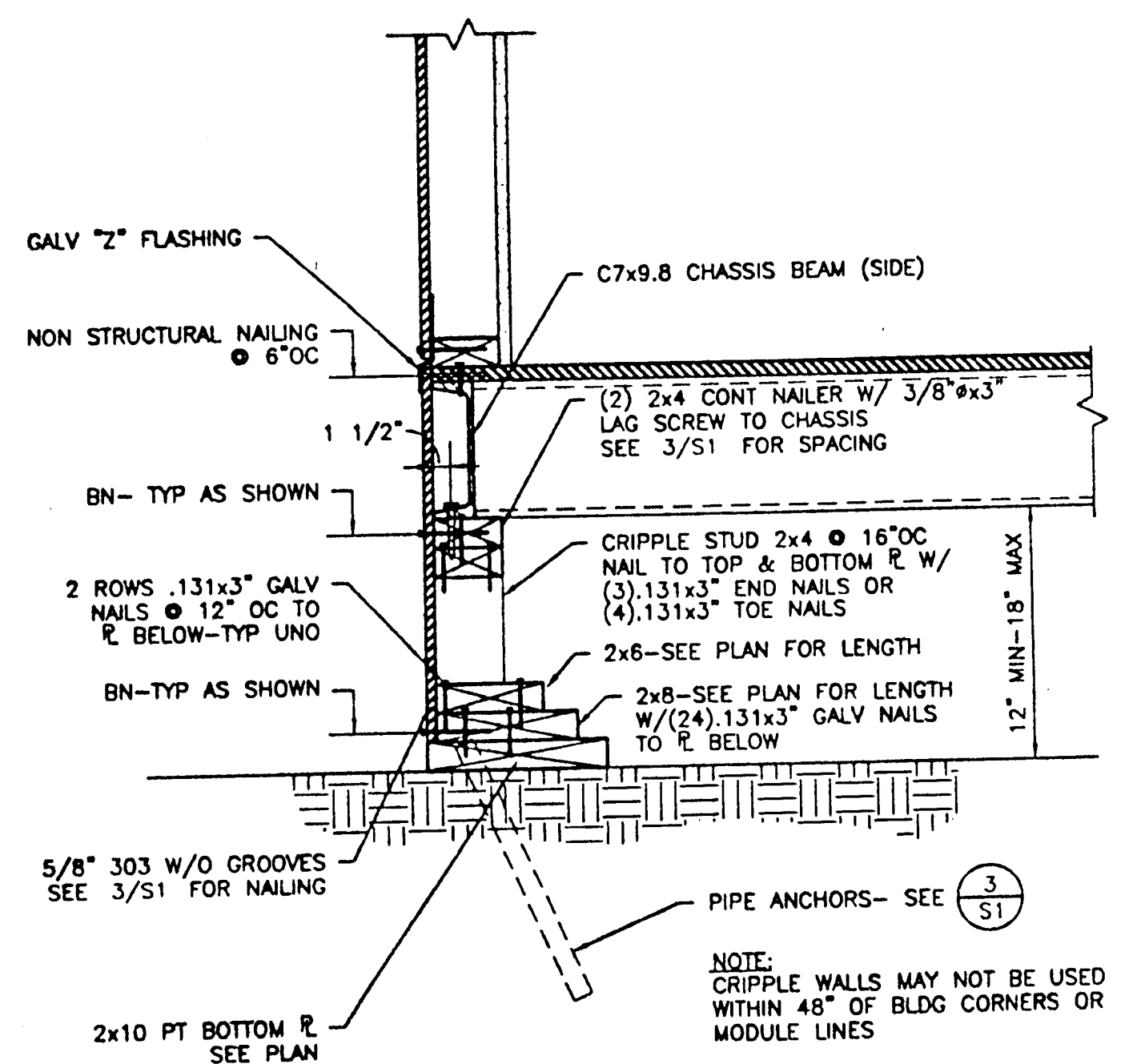


FOUNDATION DETAIL



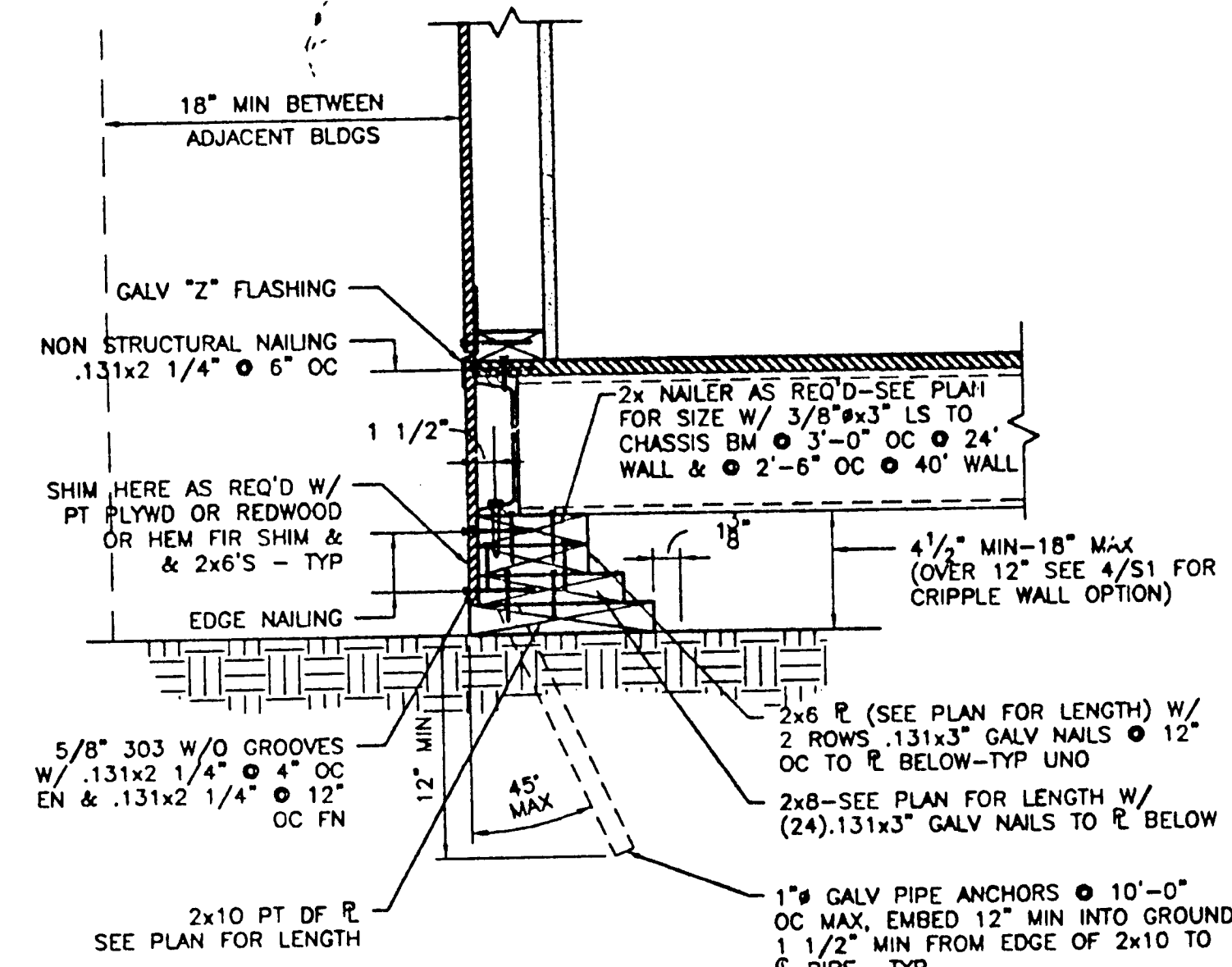
DETAIL

1 1/2" = 1'-0"



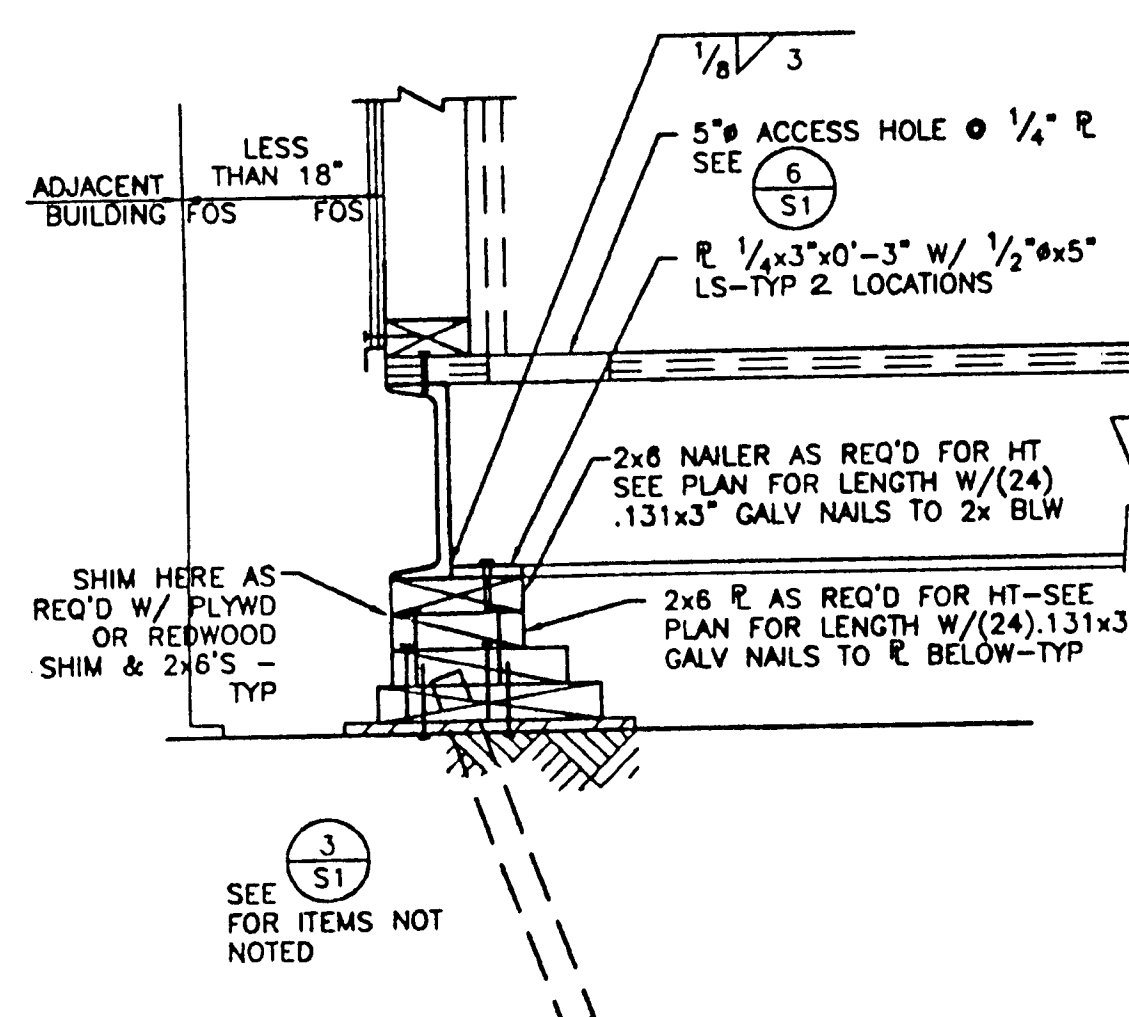
FOUNDATION DETAIL

1 1/2" = 1'-0"



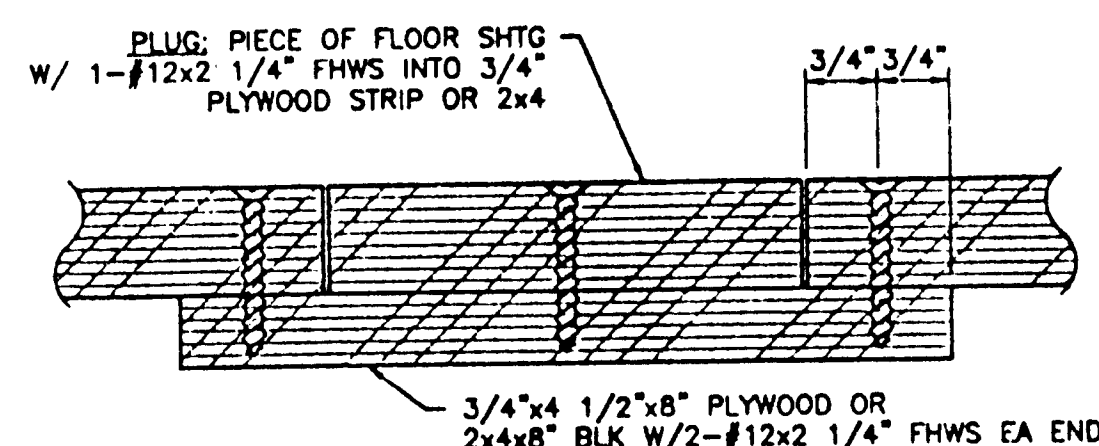
FOUNDATION DETAIL

1 1/2" = 1'-0"



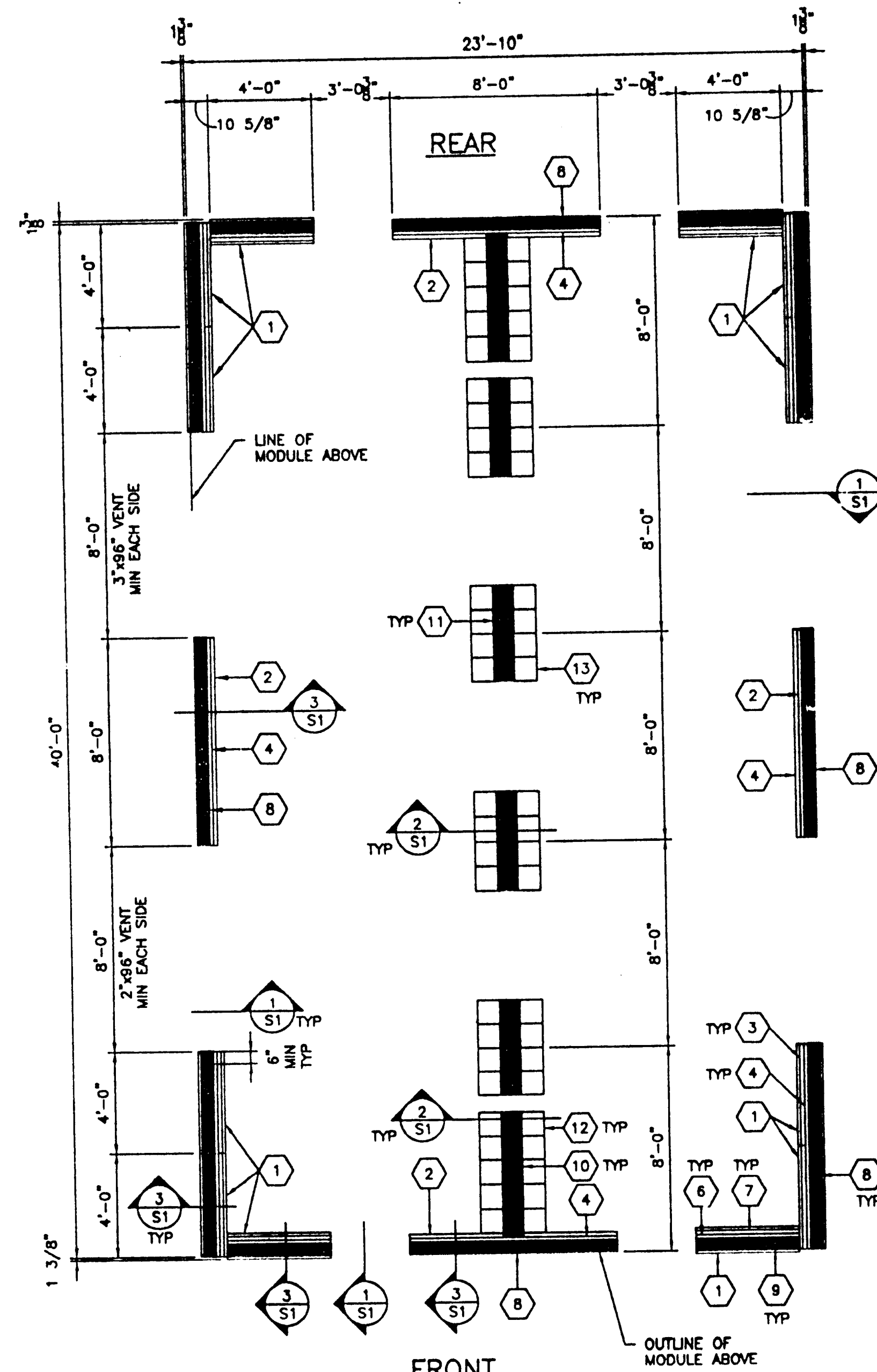
OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART FOUNDATION DETAIL

1 1/2" = 1'-0"



FILLER ACCESS HOLE DETAIL

NO SCALE



FRONT

- NOTES:**
- TOP OF WOOD PADS TO BE LEVEL.
 - DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
 - SITE TO BE GRADED TO PREVENT WATER PONDING.
 - FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
 - VENT AREA PROVIDED = 6.87 SF.
 - PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 30'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
 - FOUNDATIONS ARE NOT DESIGNED FOR PARTITION LOADS. IF PARTITIONS ARE SPECIFIED, THE FOUNDATIONS WILL NEED TO BE EVALUATED.

SILL RESTRAINT:

- ON SOIL: 1" GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
- ON A/C PAVING: 1" GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC. DRILL SILL 1 1/4" MAX OR 20d NAILS THRU SILL @ 32" OC.
- ON CONC PAVING: HILTI DS 82-P10 THRU SILL @ 4'-0" OC.

FOUNDATION PLAN

1/4" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 387
AC - FLS - SS
DATE 3-13-98

STATE OF CALIFORNIA
Department of General Services
18 1999

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/27
RENEWAL
DATE 4/14/99

WOOD: 50 PSF FLOOR LIVE LOAD

24 x 40 STEEL ROOF
RELOCATABLE
CLASSROOM

American Modular Systems



CUSTOMER: _____

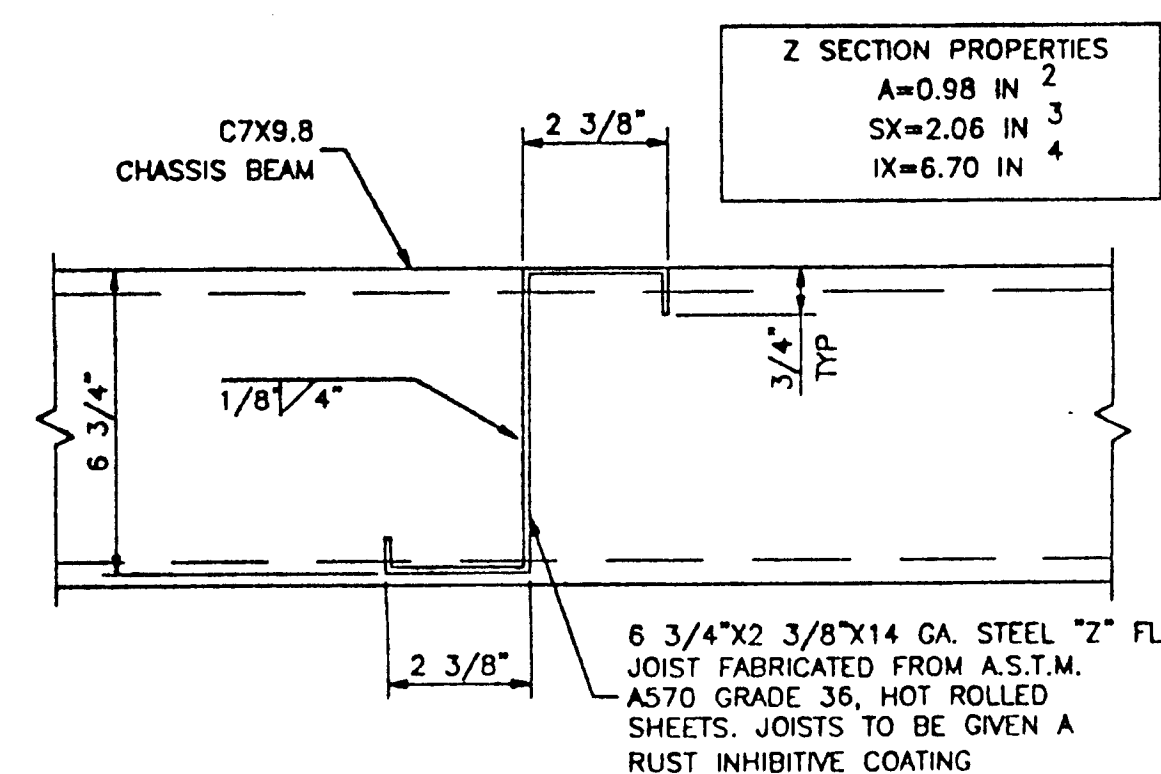
FOUNDATION PLAN, NOTES AND DETAILS
WOOD FOUNDATION: 50 PSF

DATE: _____
SCALE: AS NOTED
DRAWN BY: _____
DESIGNED BY: _____
CHECKED BY: MDR
SERIAL NO. _____

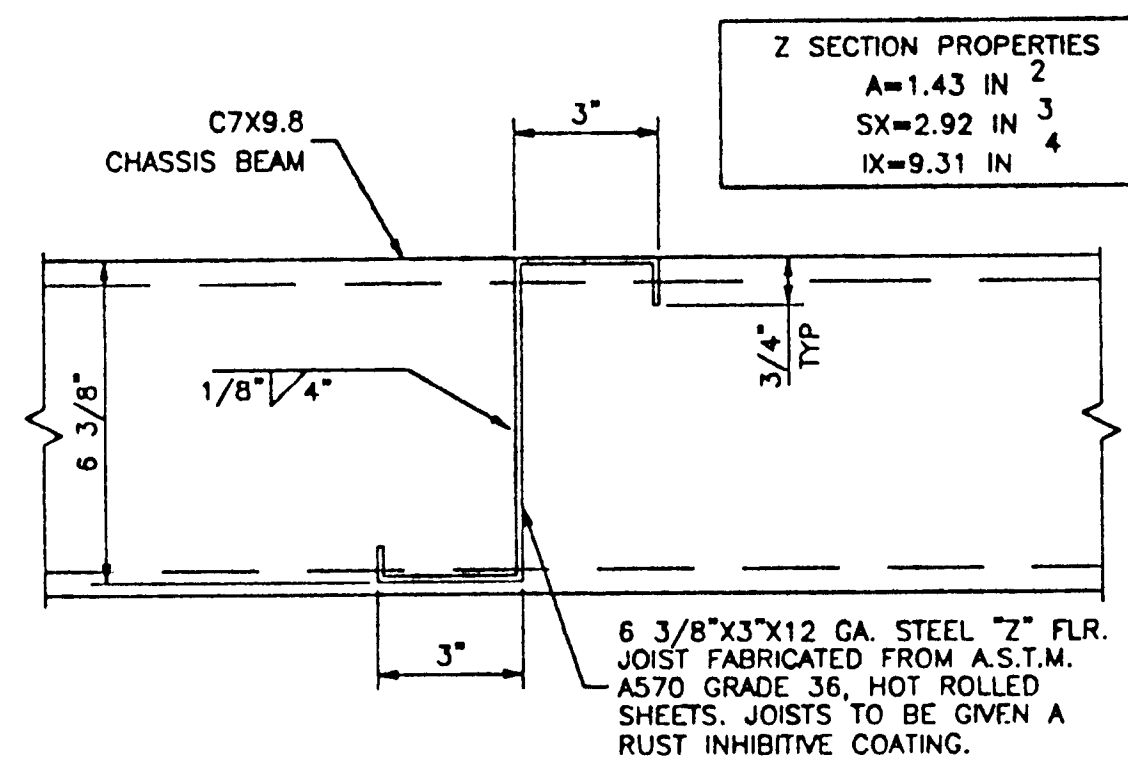
REVISIONS			
NO	DATE	DESCRIPTION	NO
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2			
3			
4			
5			

PROJECT No.
97208

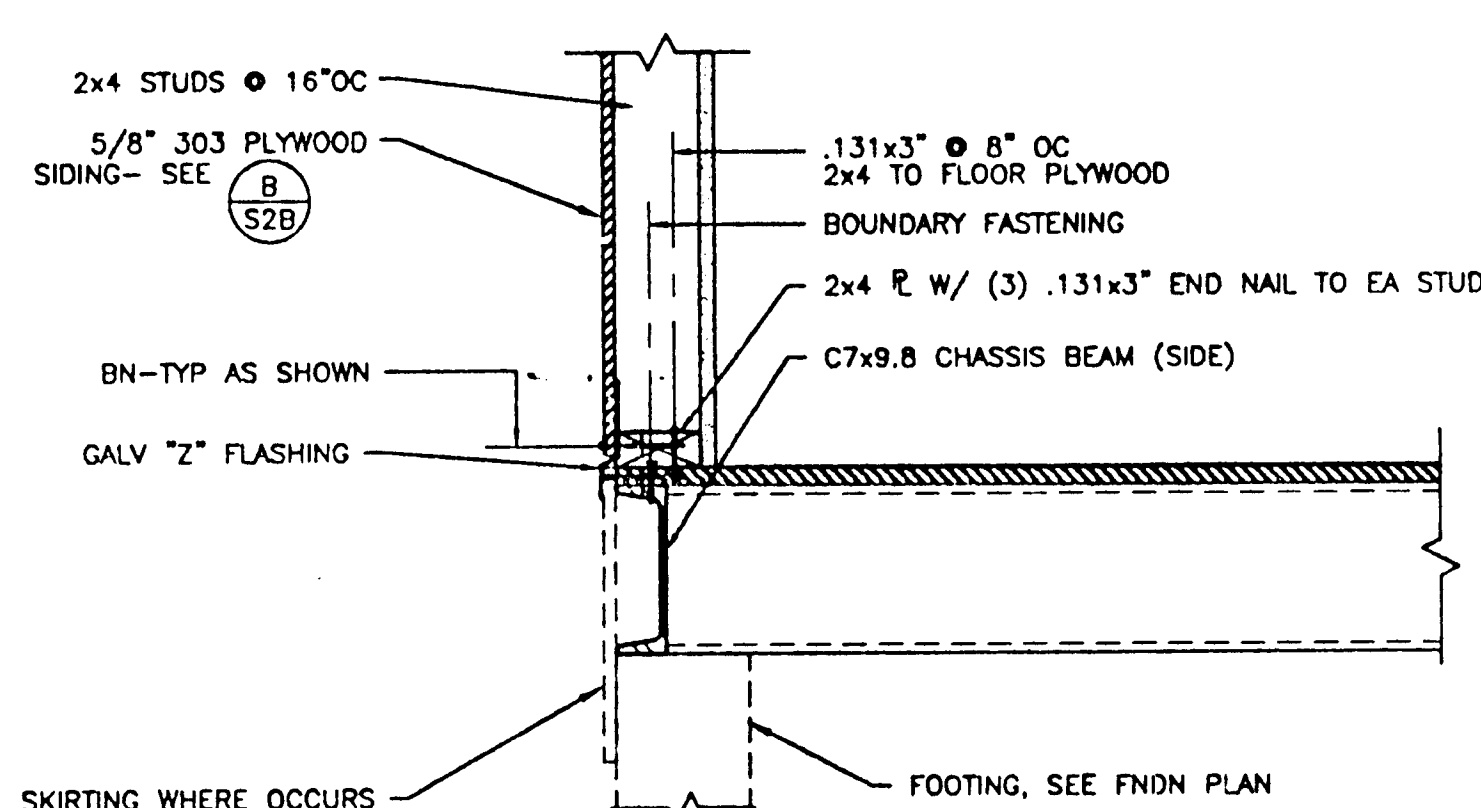
SHEET No.
S1



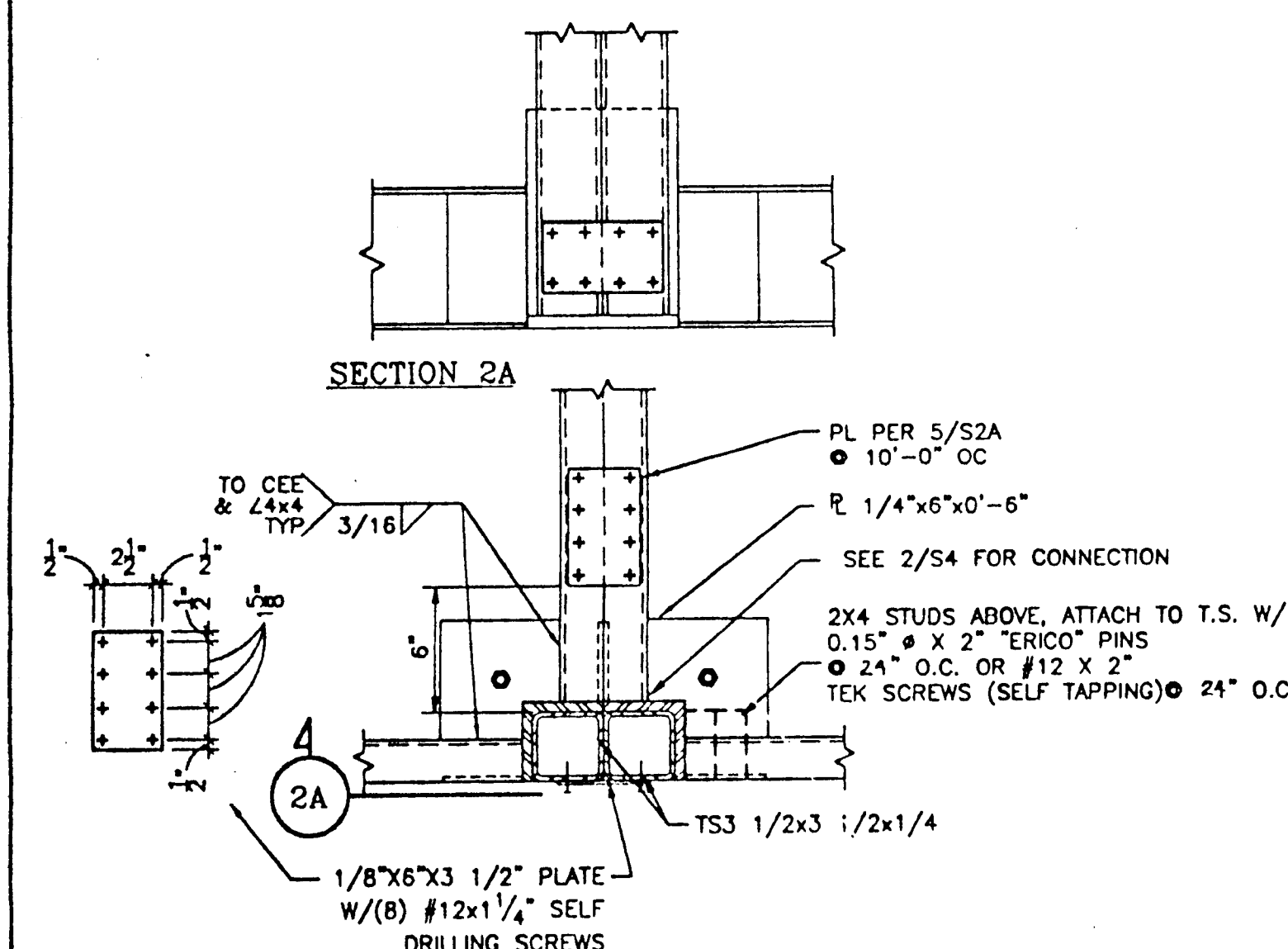
1
S2
DETAIL
NO SCALE



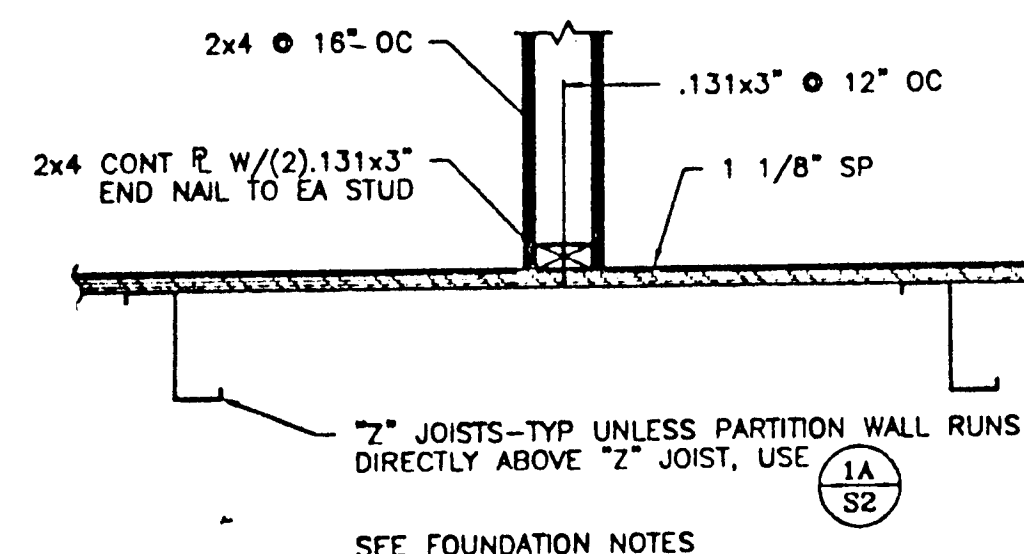
1A
S2
DETAIL
NO SCALE



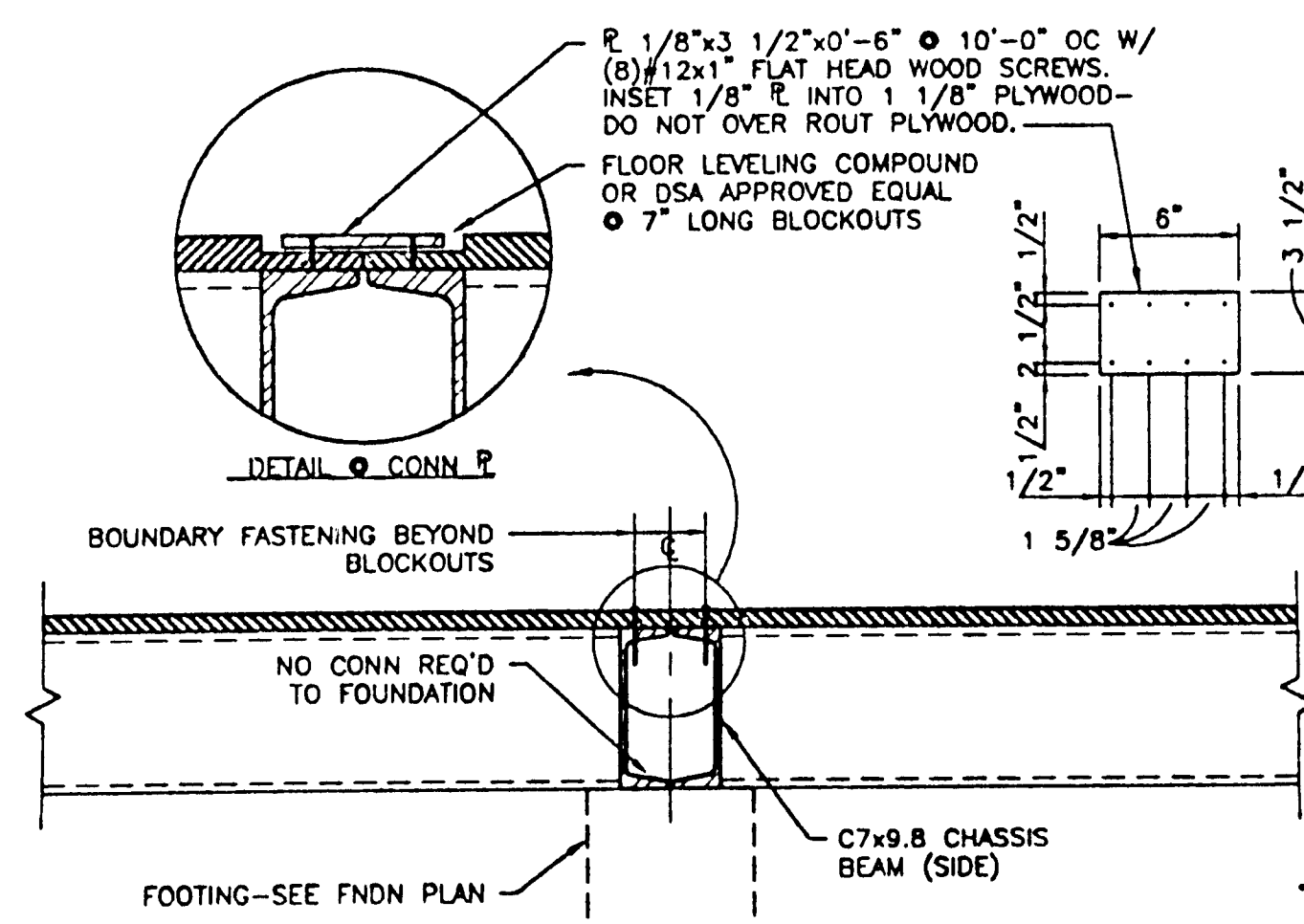
3
S2
DETAIL
1 1/2\"/>



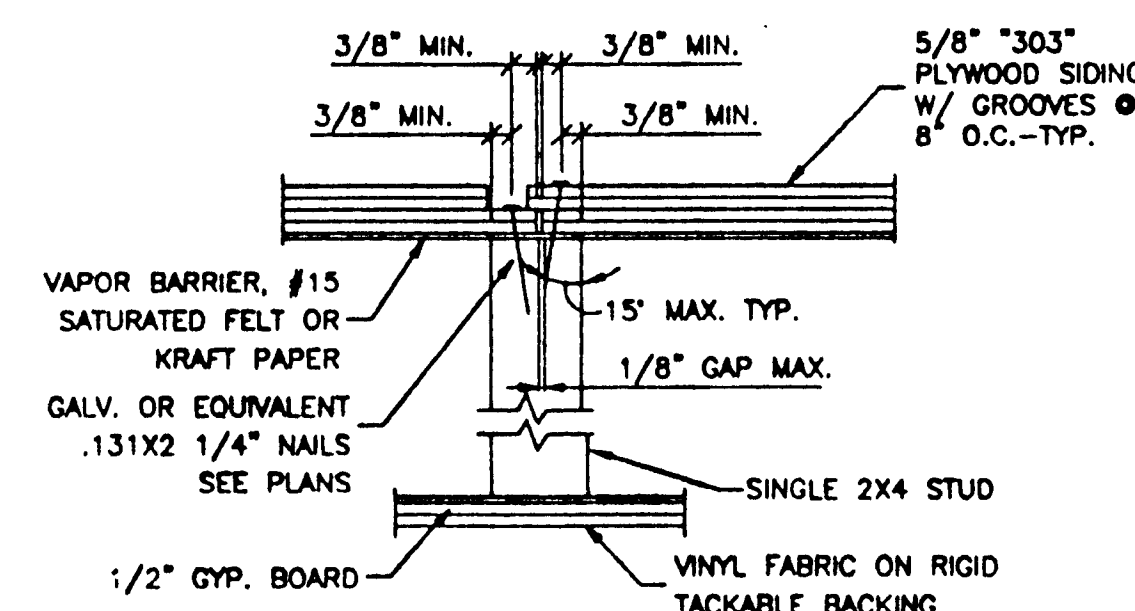
2
S2
PLAN DETAIL
NO SCALE



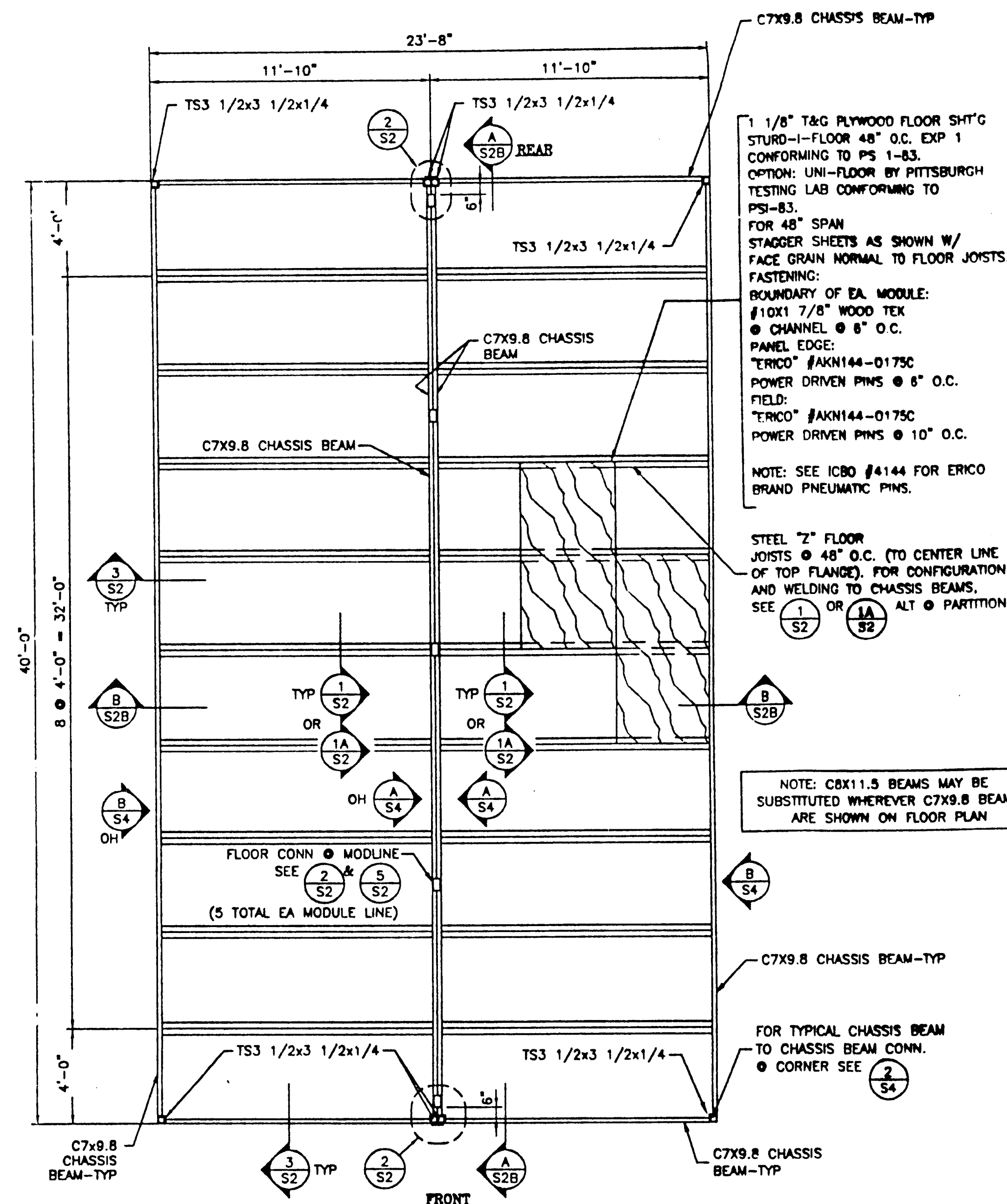
6
S2
TYP INTERIOR NON-BEARING WALL BASE
DETAIL
1\"/>



5
S2
DETAIL
1 1/2\"/>



4
S2
TYPICAL SIDING JOINT
DETAIL
NO SCALE



A
S2
FLOOR FRAMING PLAN
1/4\"/>

NOTES:
1. SEE SHEET S4 FOR
TYPICAL WALL FRAMING.

1 1/8\"/>

STEEL \"Z\" FLOOR
JOISTS @ 48\"/>

NOTE: C8X11.5 BEAMS MAY BE
SUBSTITUTED WHEREVER C7X9.8 BEAMS
ARE SHOWN ON FLOOR PLAN

C7X9.8 CHASSIS BEAM-TYP
FOR TYPICAL CHASSIS BEAM
TO CHASSIS BEAM CONN.
CORNER SEE 2 S4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 387
AC - FLS - SS JR
DATE 3-12-98

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/17
RENEWAL
DATE 4/14/99

50 PSF FLOOR LIVE LOAD

24 x 40 STEEL ROOF
RELOCATABLE
CLASSROOM

**American
Modular Systems**



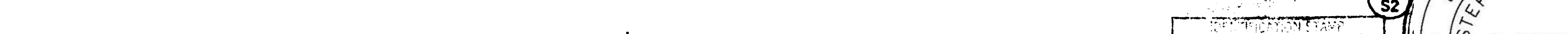
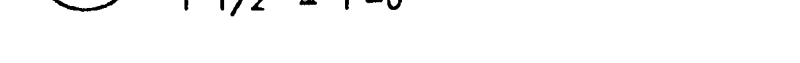
CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS
50 PSF FLOOR LOAD

DATE: -
SCALE: AS NOTED
DRAWN BY: -
DESIGNED BY: -
CHECKED BY: WDB
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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2			2		
3			3		
4			4		

PROJECT No.
97208
SHEET No.
S2



1000

[illegible]

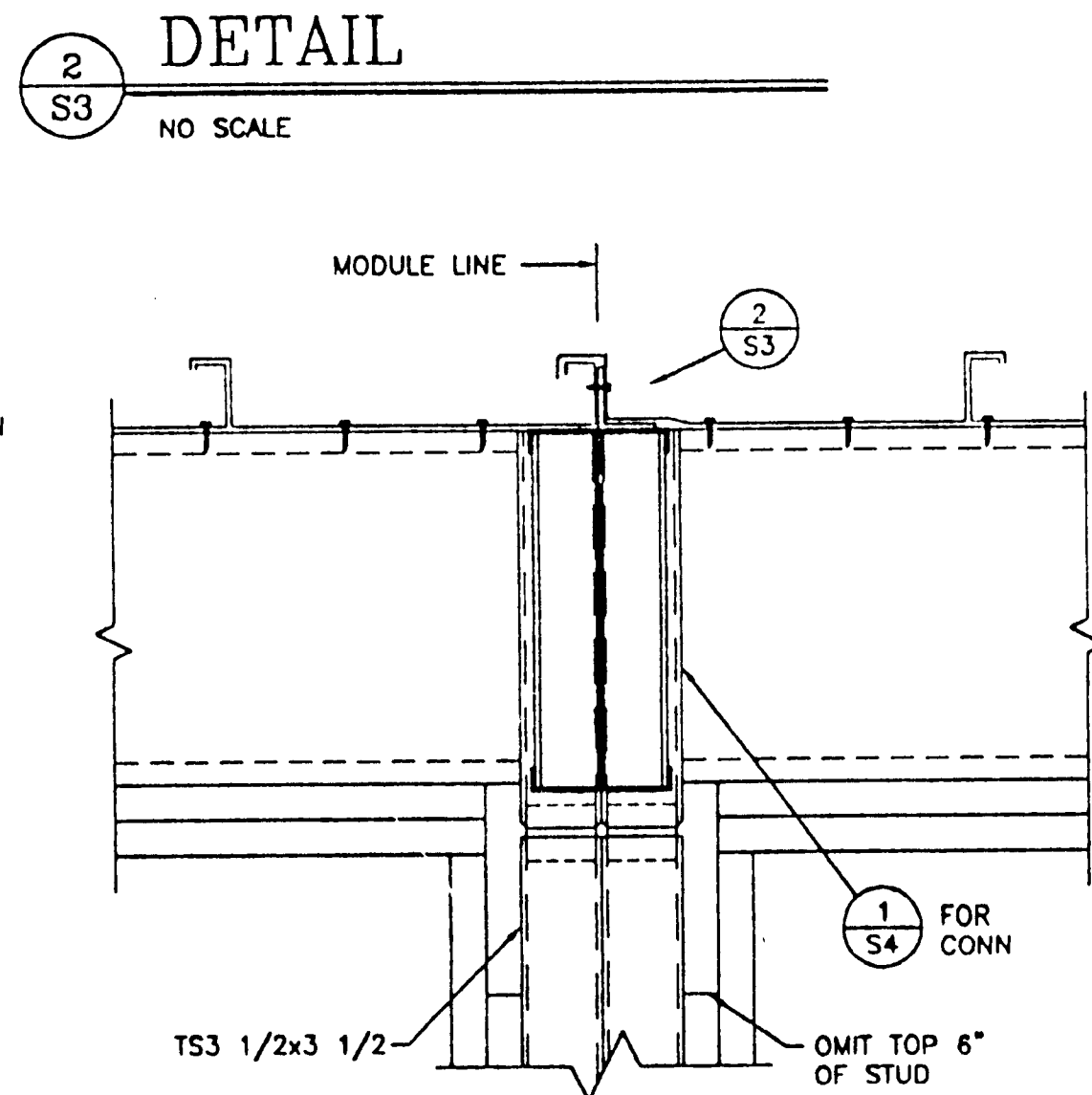
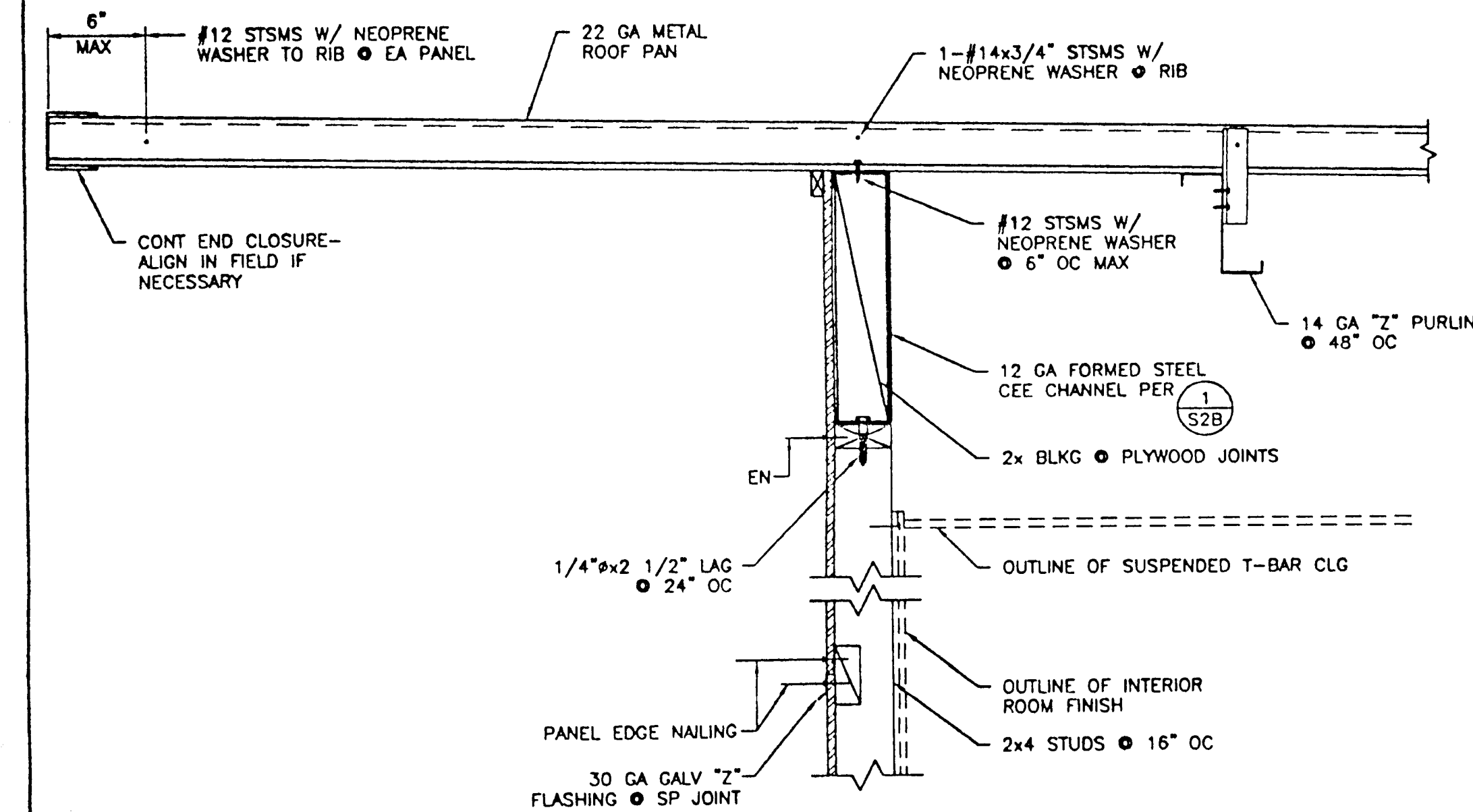
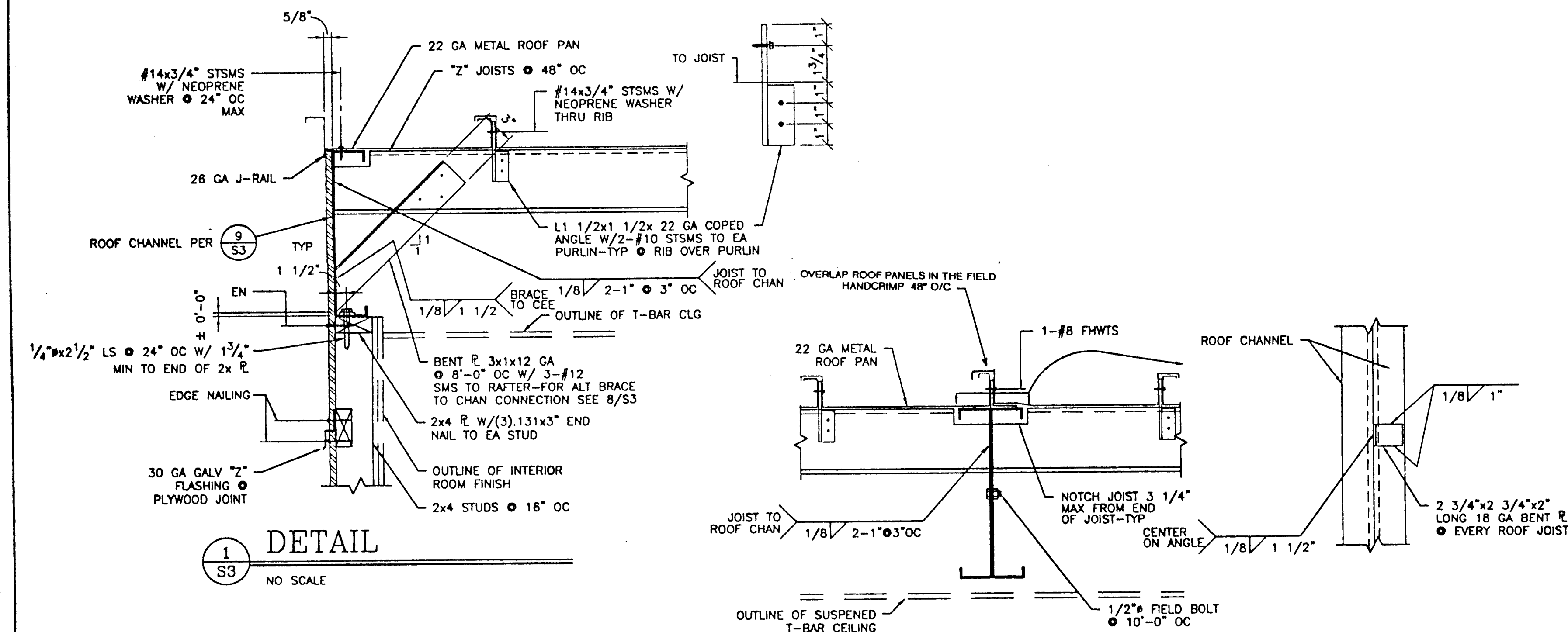
97208

S2B

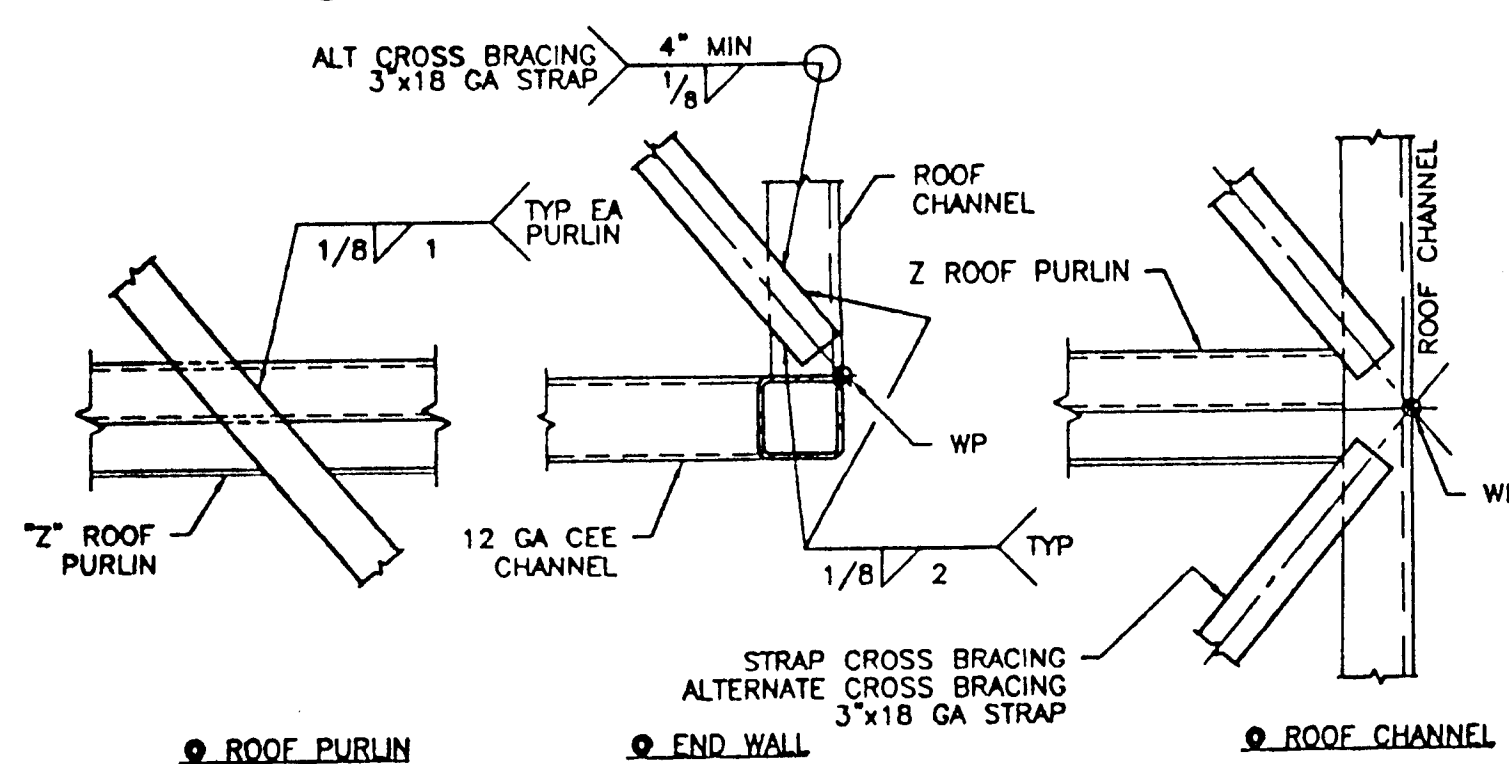
520

19

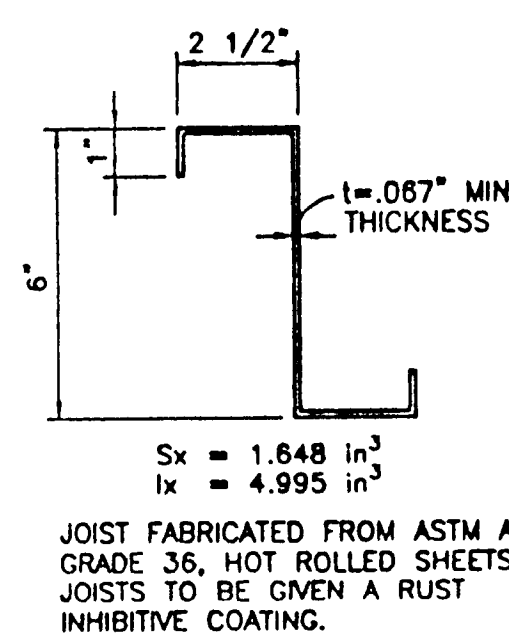
S3.dwg 3-10-98 9:48:02 pm EST



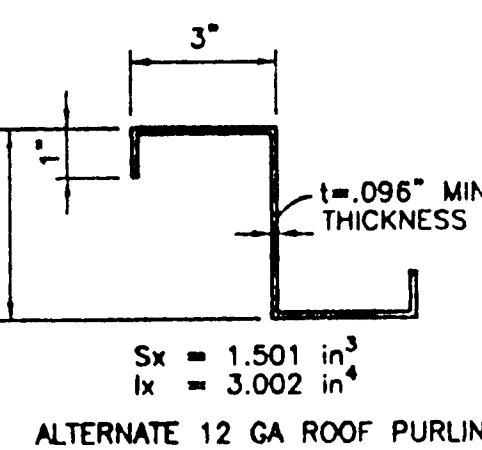
(2'-0" OVERHANG DETAIL SIMILAR)
5'-0" OVERHANG DETAIL
3 S3 NO SCALE



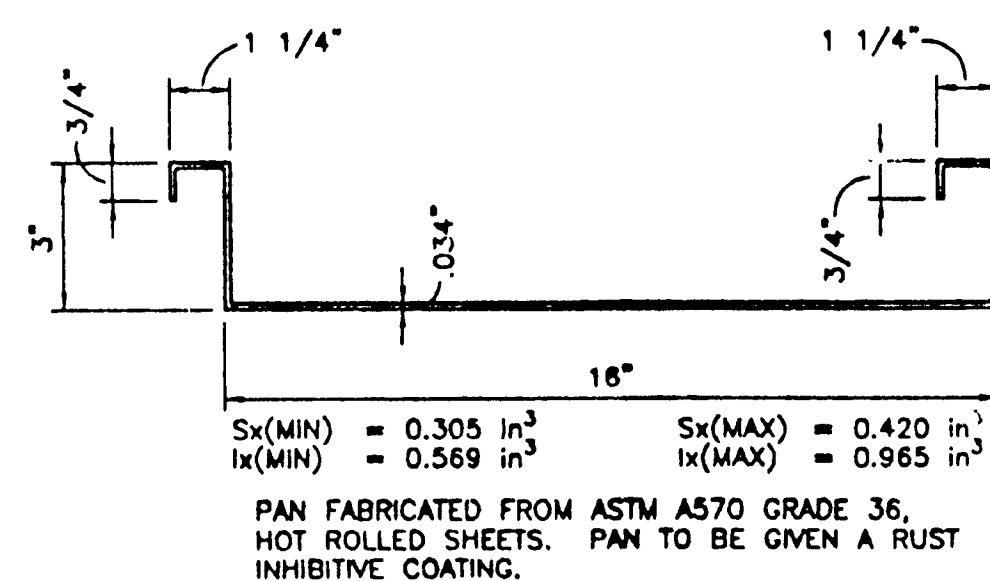
CROSS BRACING DETAIL
5 S3 1 1/2" = 1'-0"



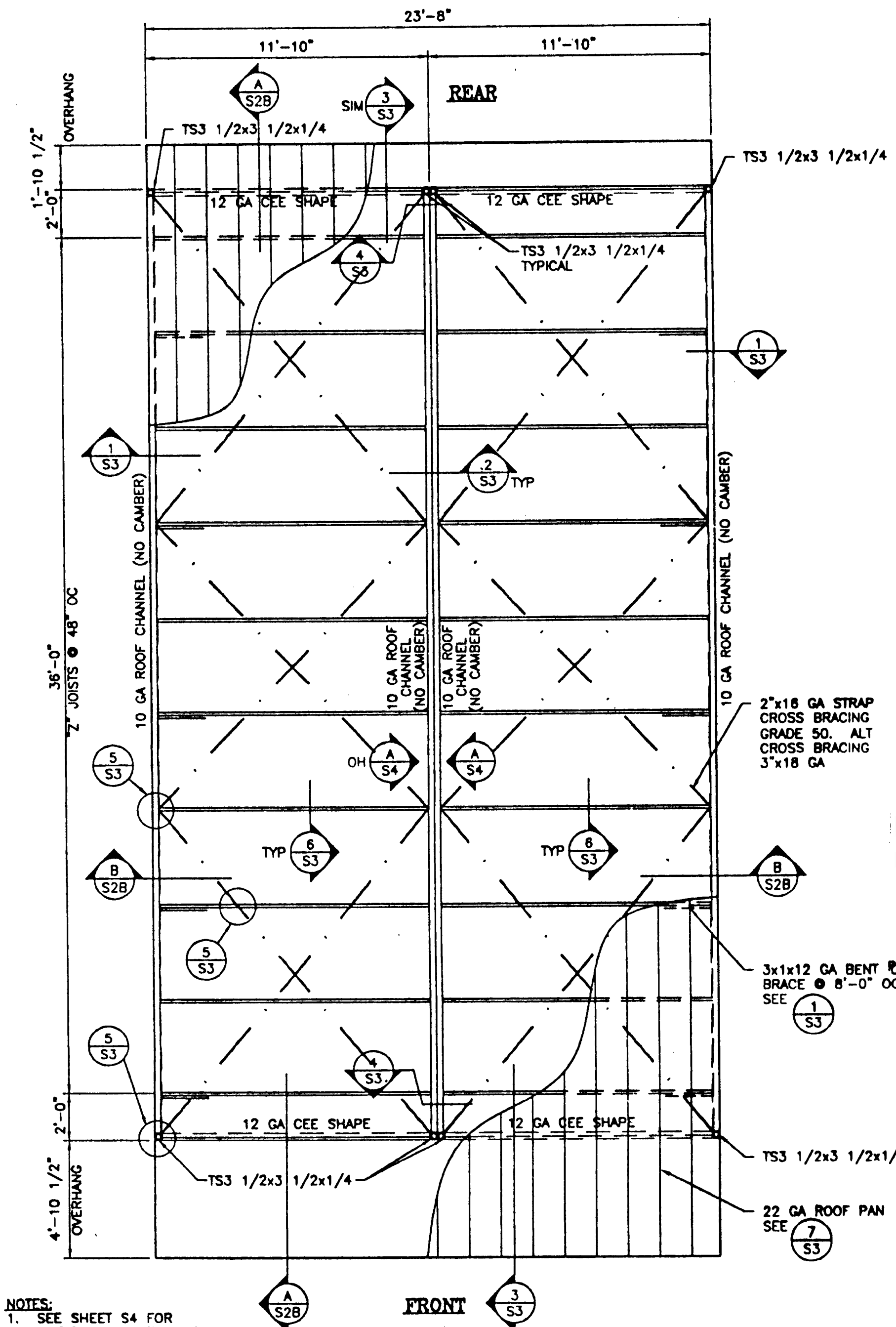
DETAIL 4 S3 NO SCALE



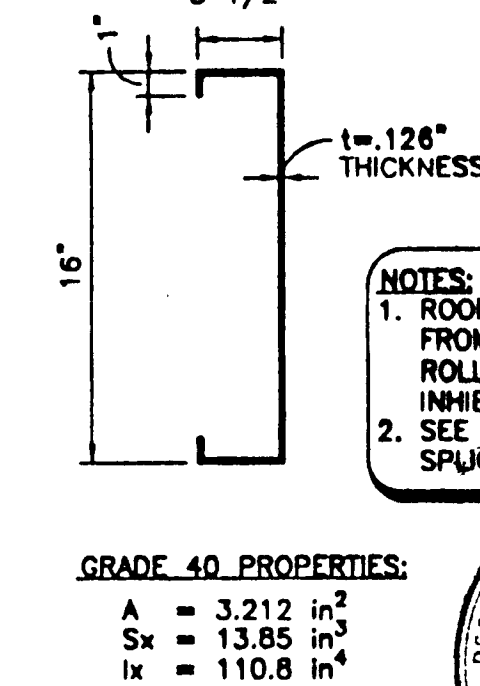
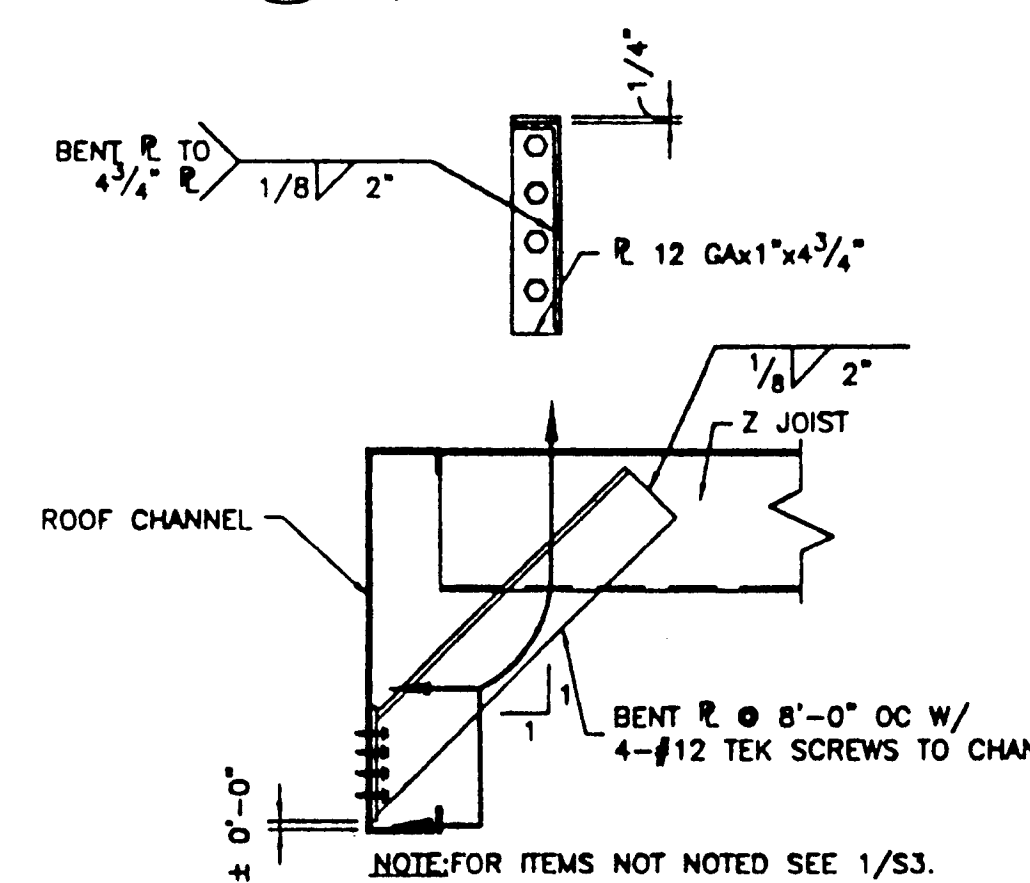
14 GA. ROOF PURLIN DETAIL
6 S3 3" = 1'-0"



22 GA. ROOF PAN DETAIL
7 S3 3" = 1'-0"

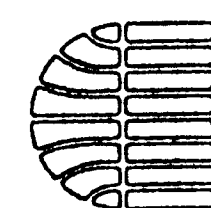


ROOF FRAMING PLAN
A S3 1/4" = 1'-0"



10 GA ROOF CHANNEL DETAIL
9 S3 1 1/2" = 1'-0"

24 x 40 STEEL ROOF
RELOCATABLE
CLASSROOM



**American
Modular Systems**



CUSTOMER:

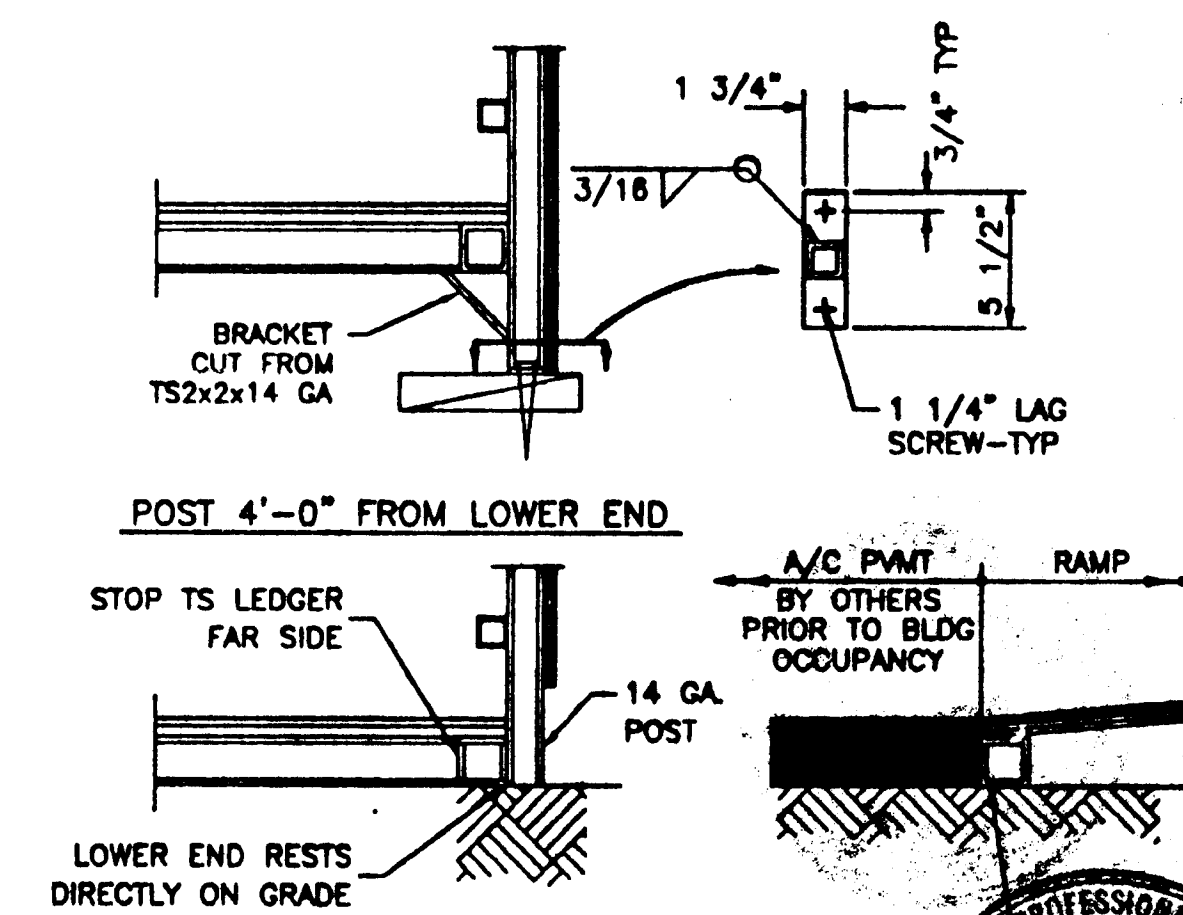
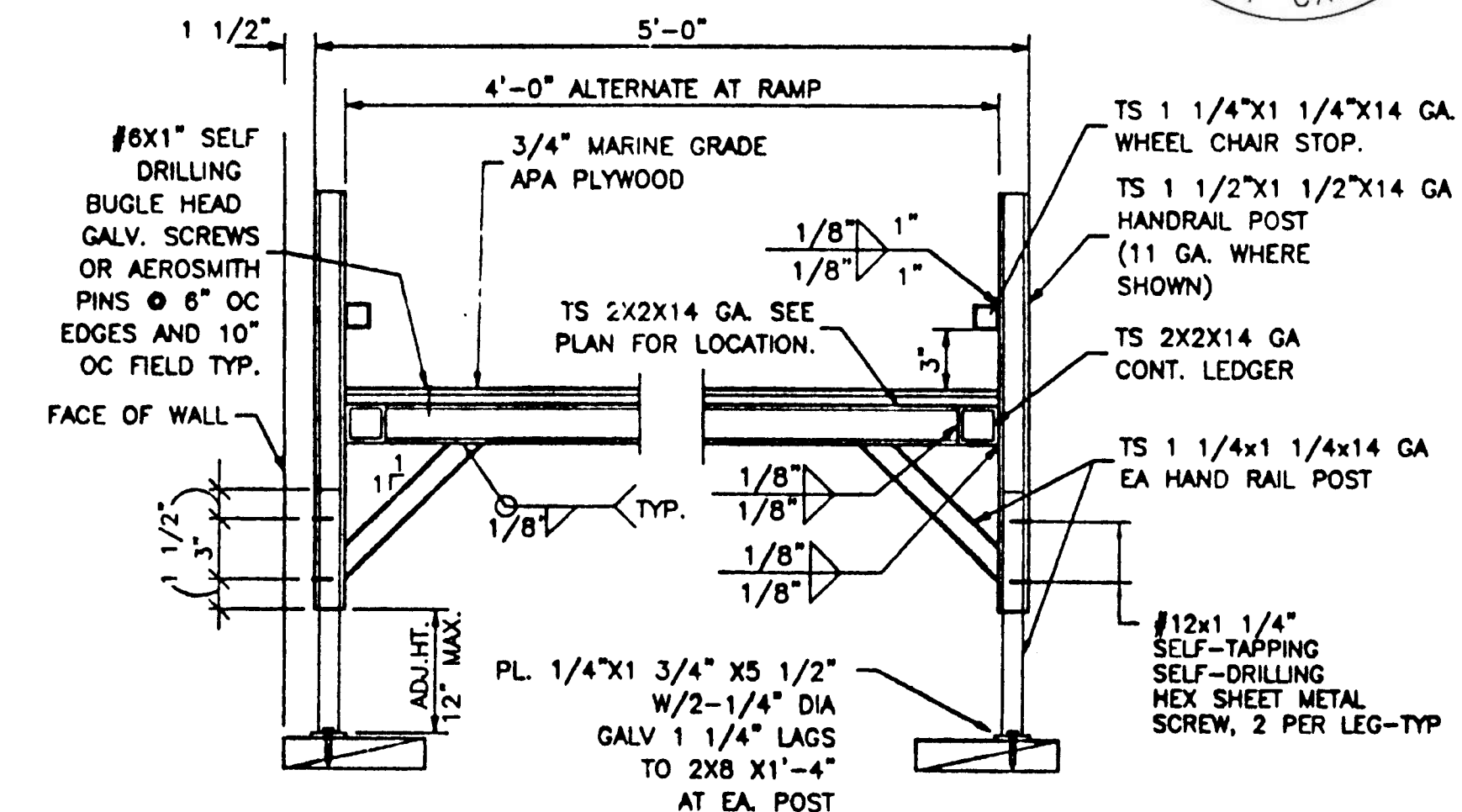
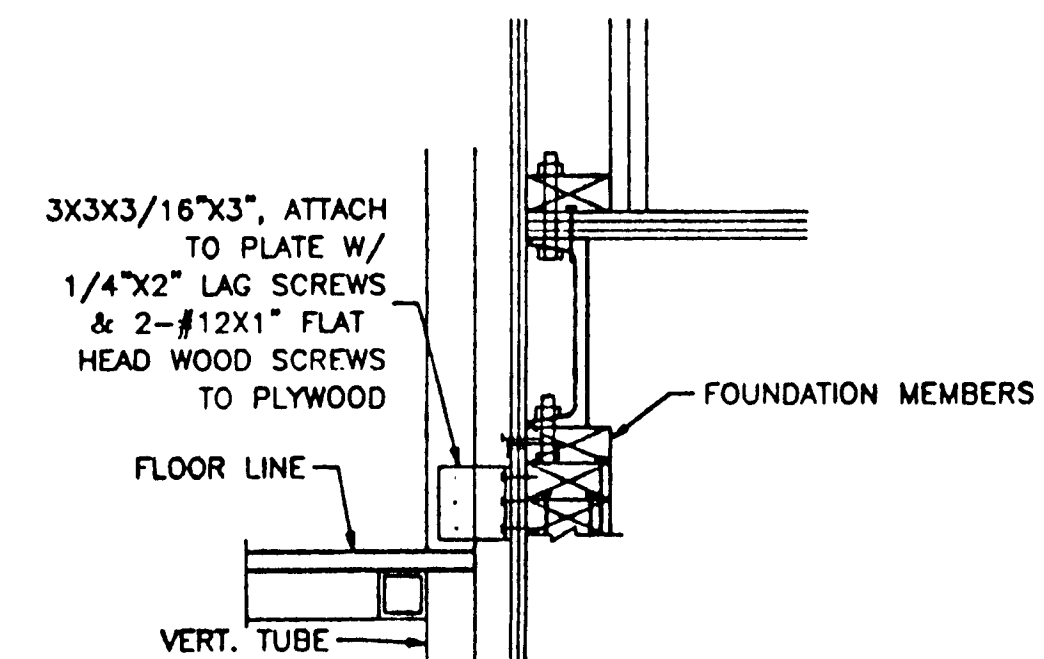
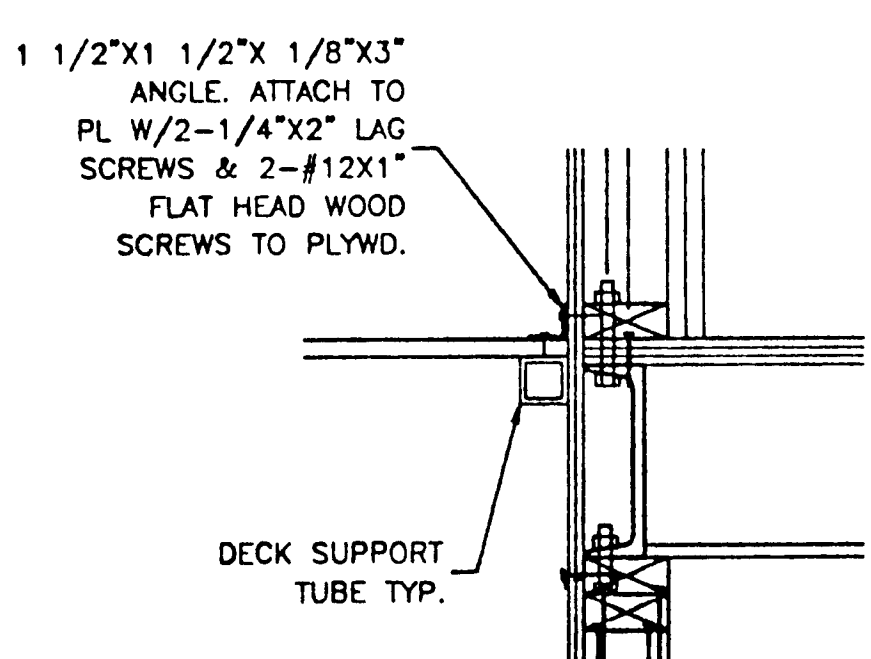
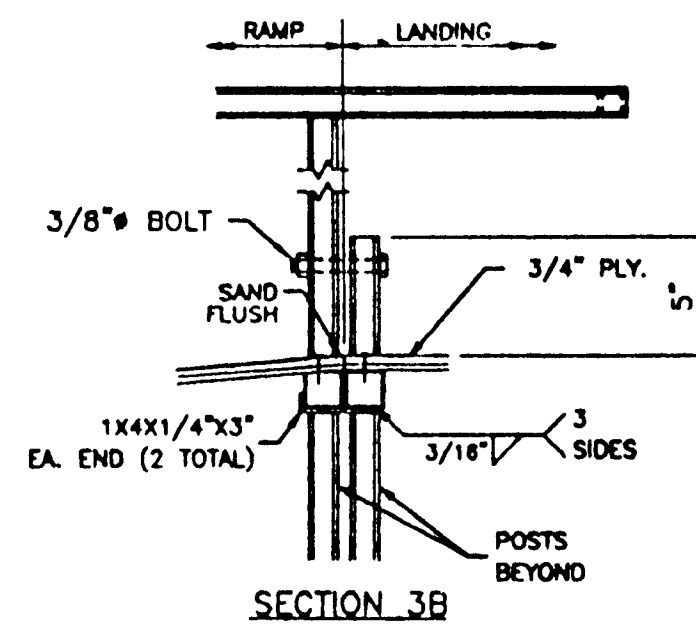
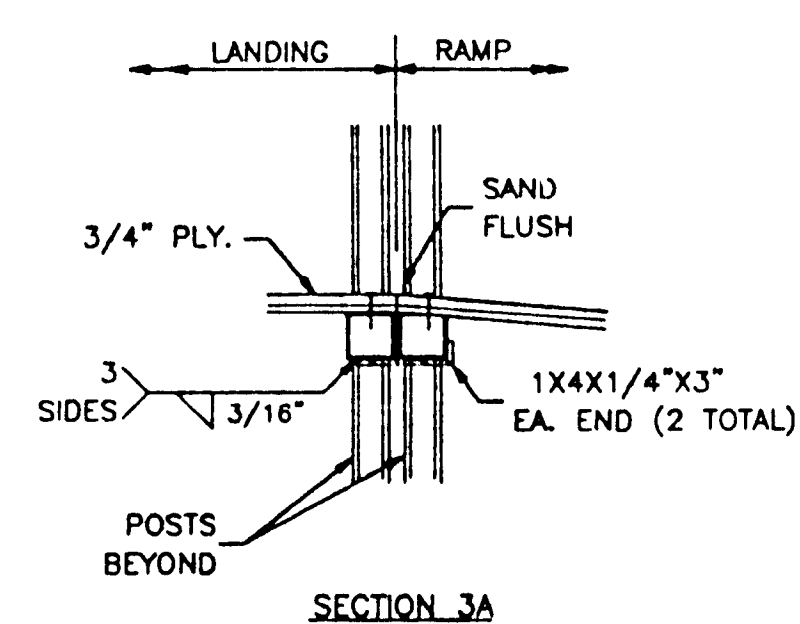
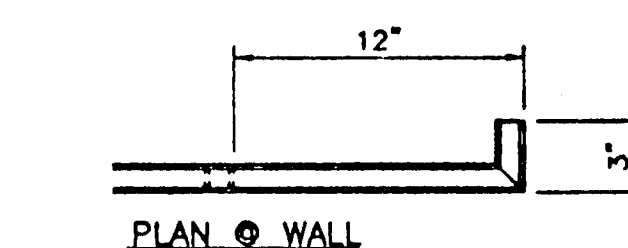
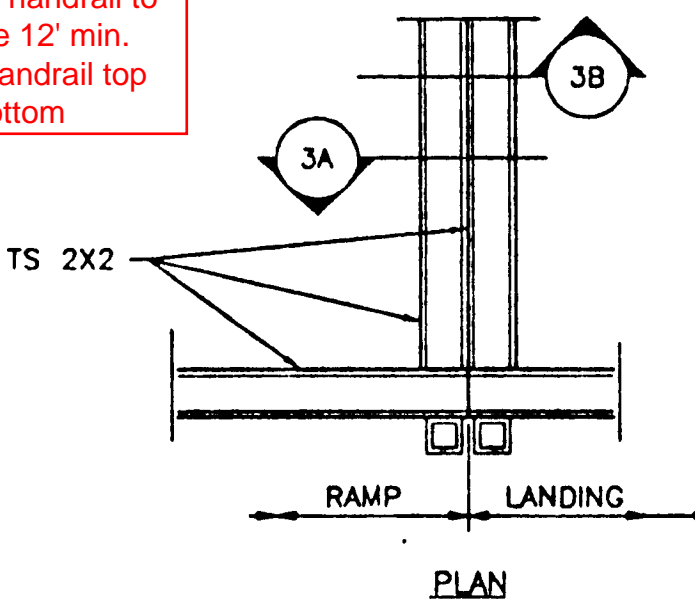
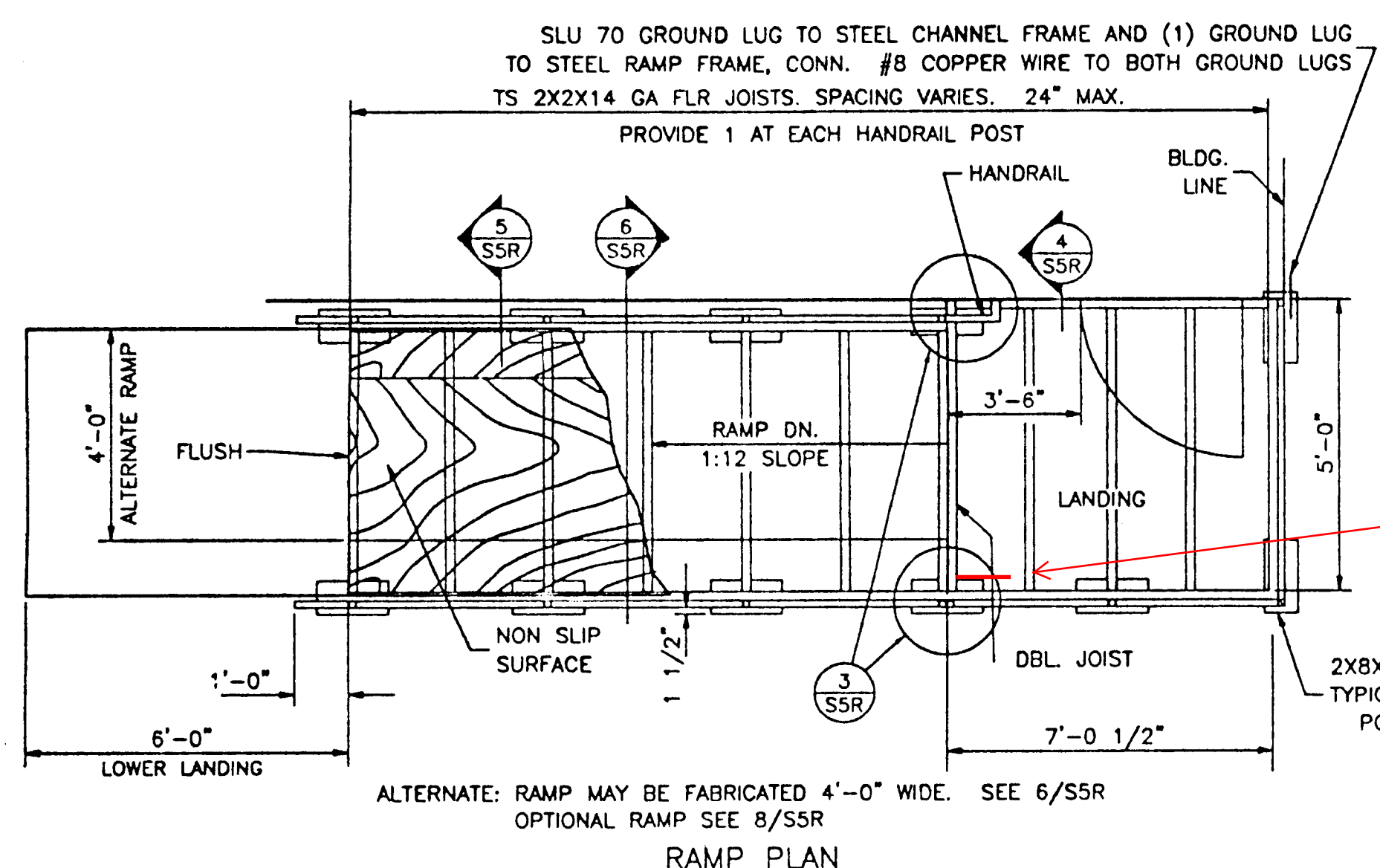
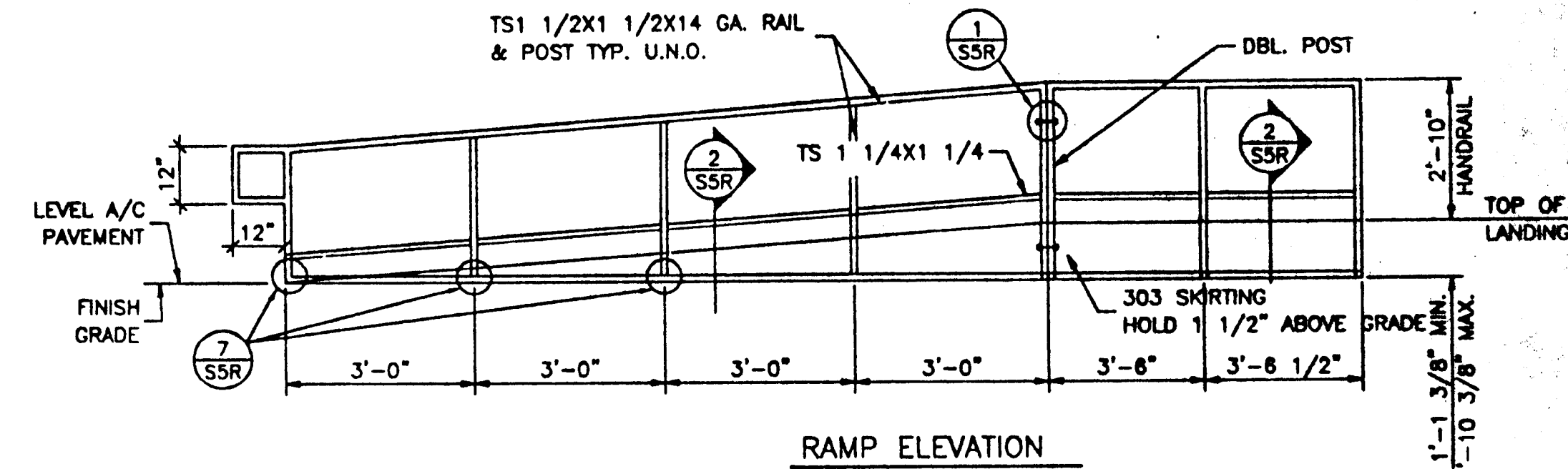
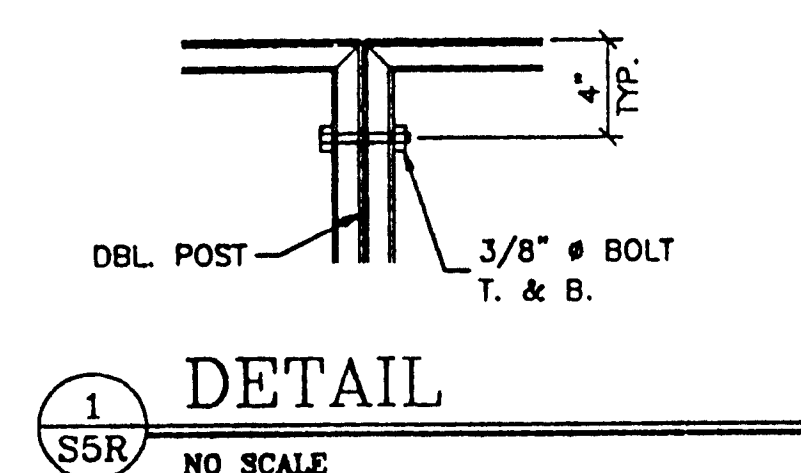
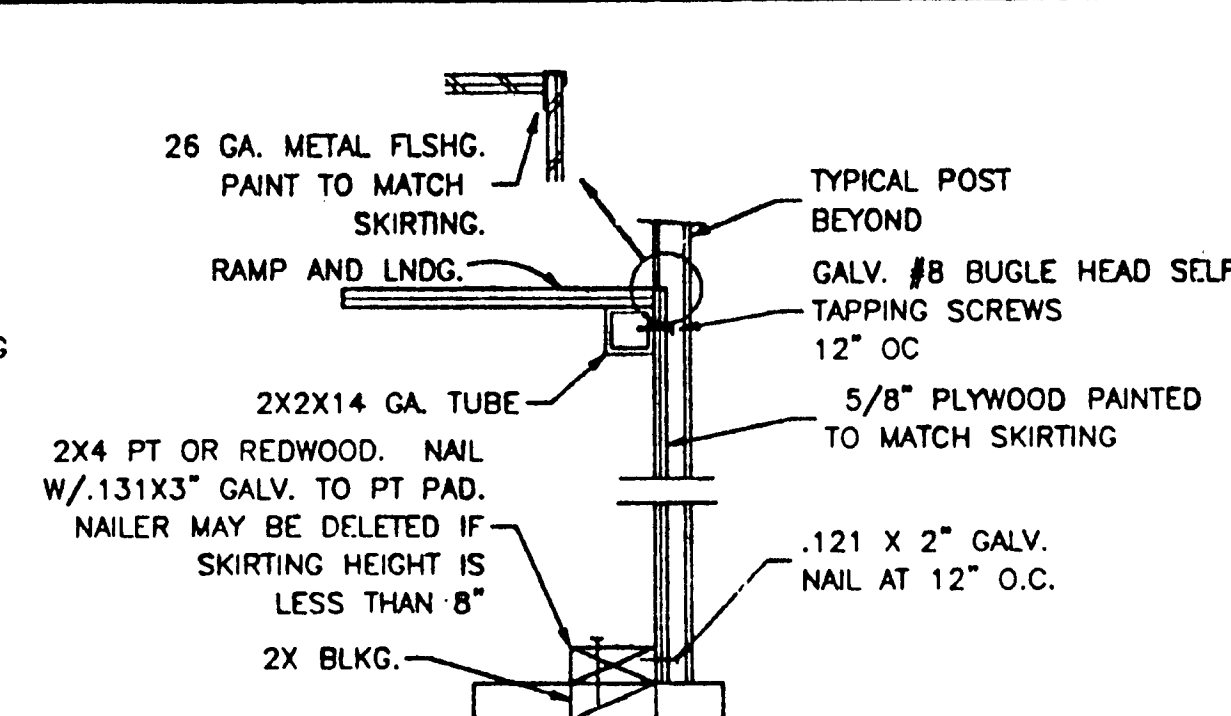
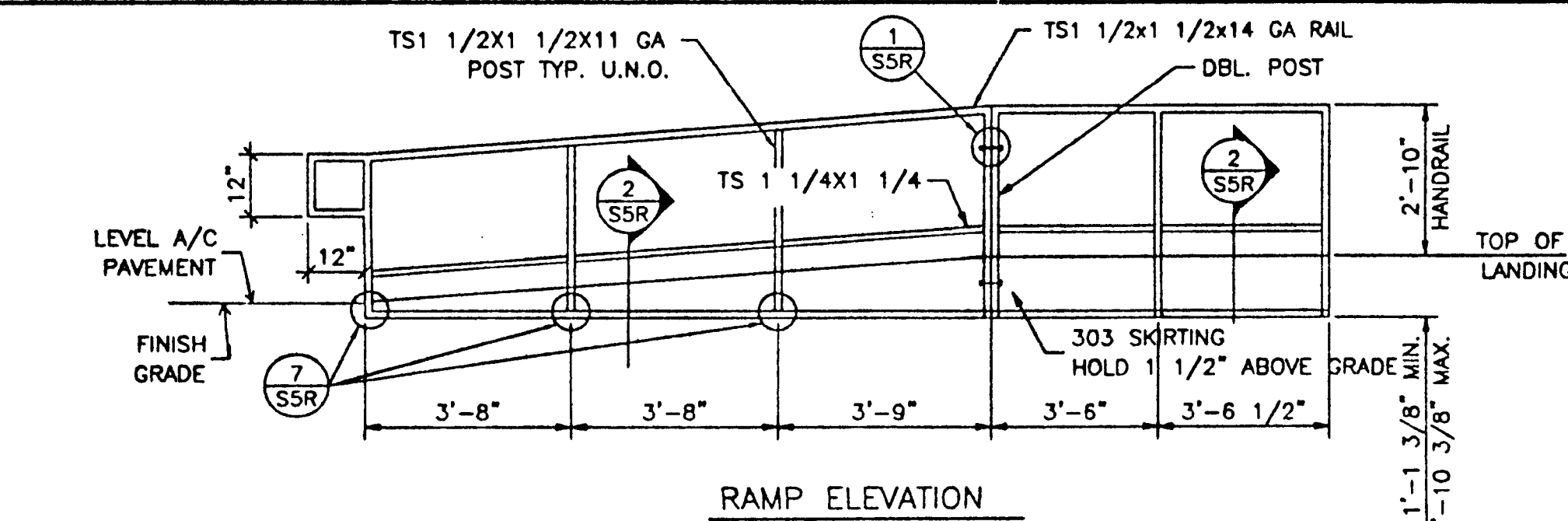
ROOF FRAMING PLAN
AND DETAILS

DATE: -
SCALE: AS NOTED
DRAWN BY: -
DESIGNED BY: -
CHECKED BY: MOB
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.
97208

SHEET No.
S3



NOTE: RAMP & LANDING TO BE
FABRICATED IN SECTIONS
(2 MIN) FOR MOVING

NOTE: RAMP & LANDING TO BE
FABRICATED IN SECTIONS
(2 MIN) FOR MOVING

ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.

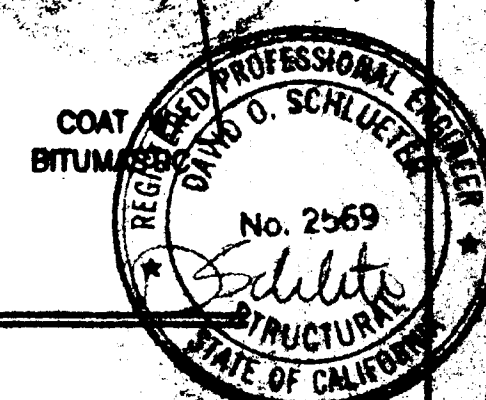
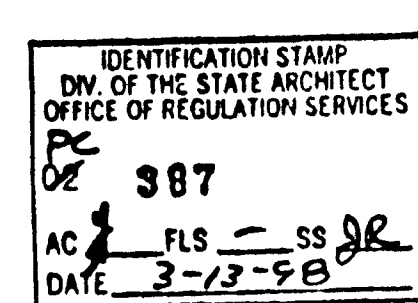
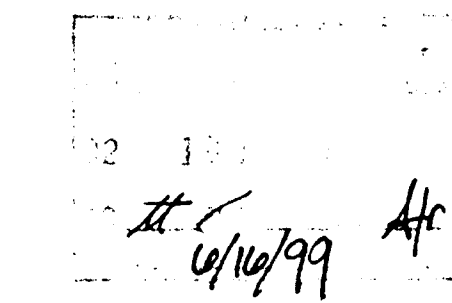
RAMP AND LANDING SHALL HAVE A NON-SKID SURFACE FINISH APPLIED. NON-SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.13.19. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTION TO THE INTEGRAL RAMP HANDRAIL.

RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

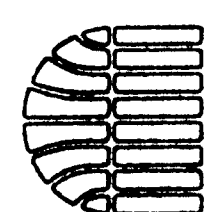
FLOOR DECKING:
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SKID SURFACE.
(SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON
ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH
#10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.
ALT. FLOOR DECKING:
1. 11 GA SHEET METAL WITH NON-SKID SURFACE.

GROUNDING OF BUILDING COMPONENTS:
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. #8-1 ISSUED BY DSA.

8 RAMP- OPTIONAL (14 GA POSTS)
S5R 3/4"x1'-0"



24 x 40 STEEL ROOF
RELOCATABLE
CLASSROOM



American Modular Systems



CUSTOMER:

RAMP PLAN, ELEVATIONS AND DETAILS

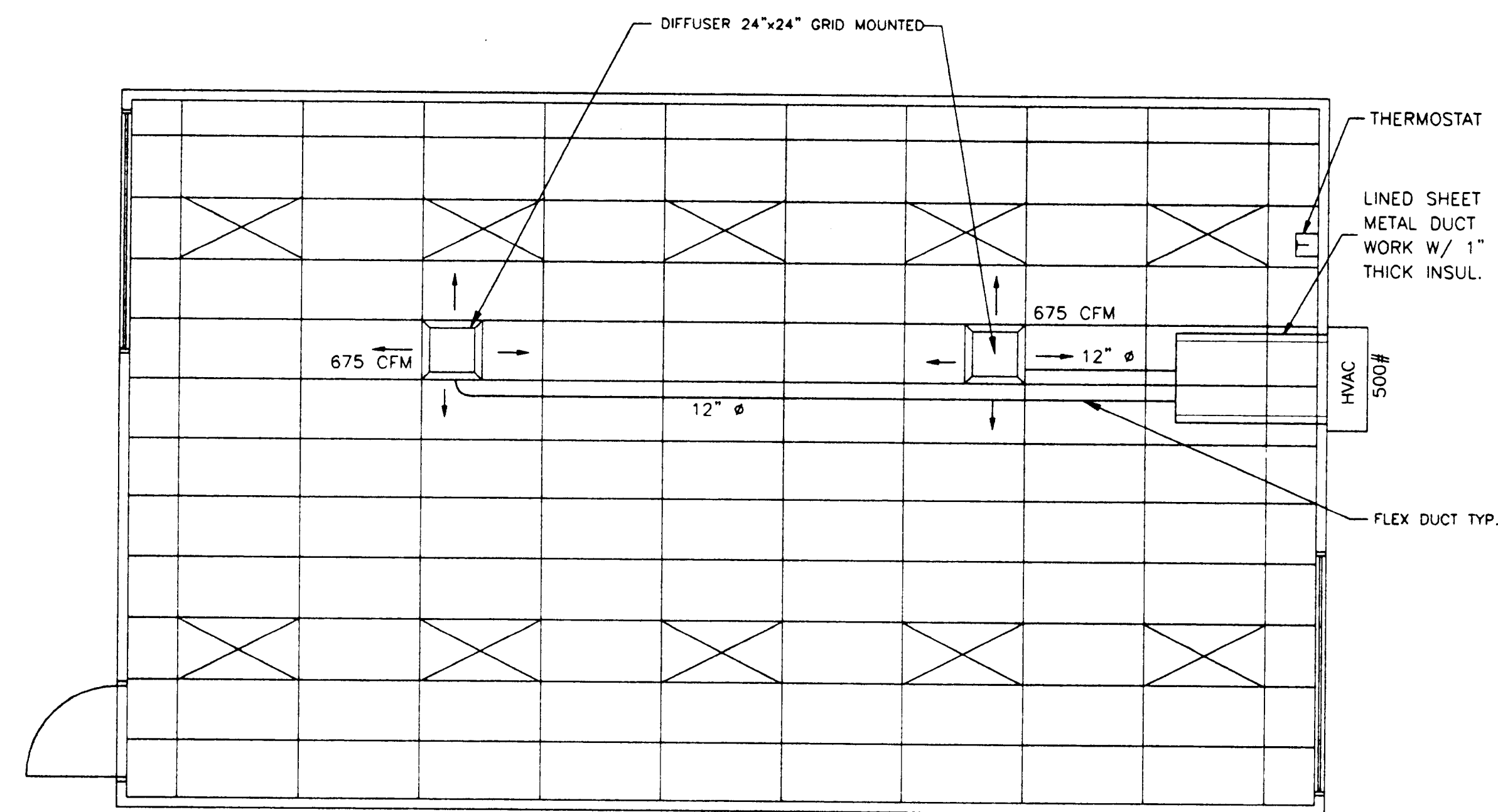
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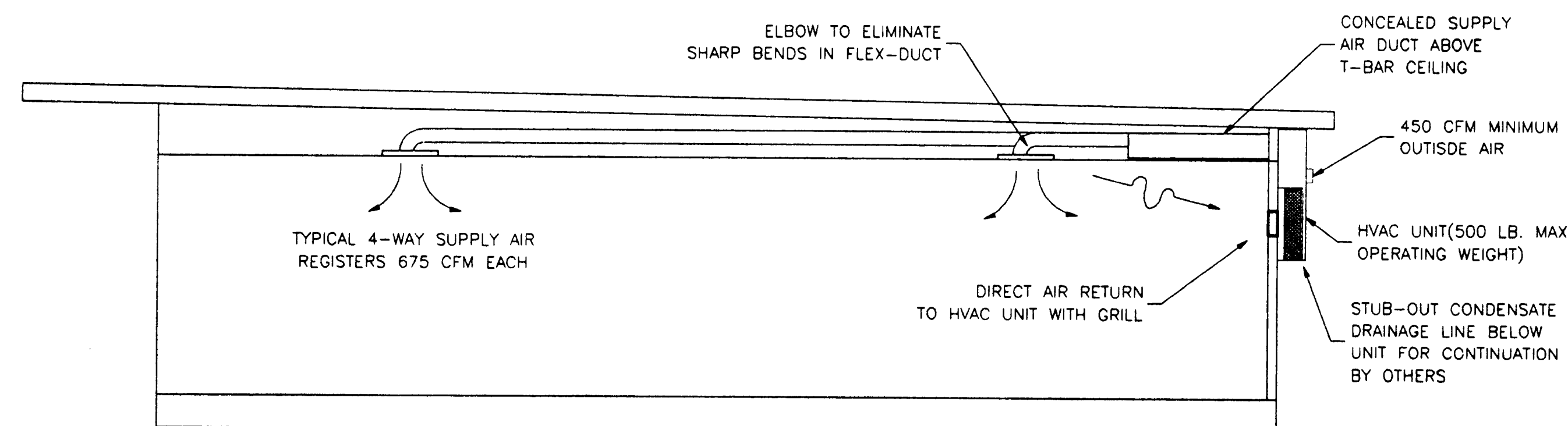
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HEAT/SUPPLY AIR DUCT LAYOUT

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



HEAT/SUPPLY AIR DUCT CROSS SECTION

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

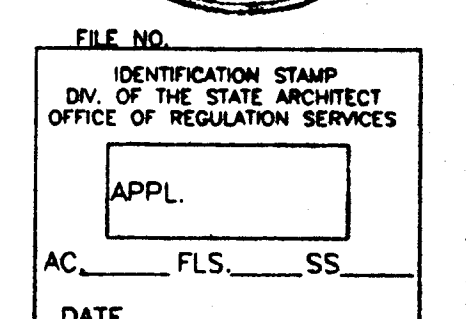
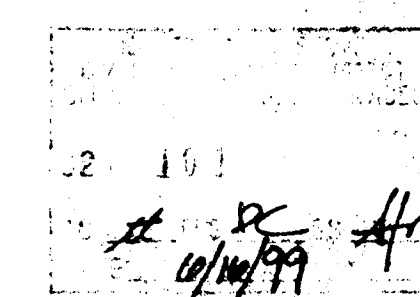
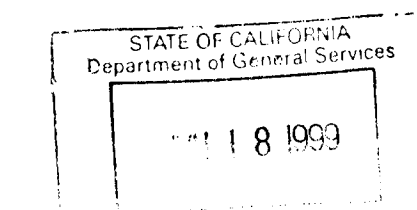
DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to 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.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

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 WH42A-XXXXXX

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. Duckwork.
A.) Construct all ductwork of galvanized sheet metal in accordance with U.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 5'0" 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 5' 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. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, 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 Rodgers IF92.
7. Thermal insulation
A.) Roof Insulation: R-19 Unfaced.
B.) Walls Insulation: R-13 Kraft Faced.
C.) Floors Insulation: R-19 Kraft Faced.
Flame spread and smoke development shall conform to California Building Code sec. 707.
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.



24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

CUSTOMER:

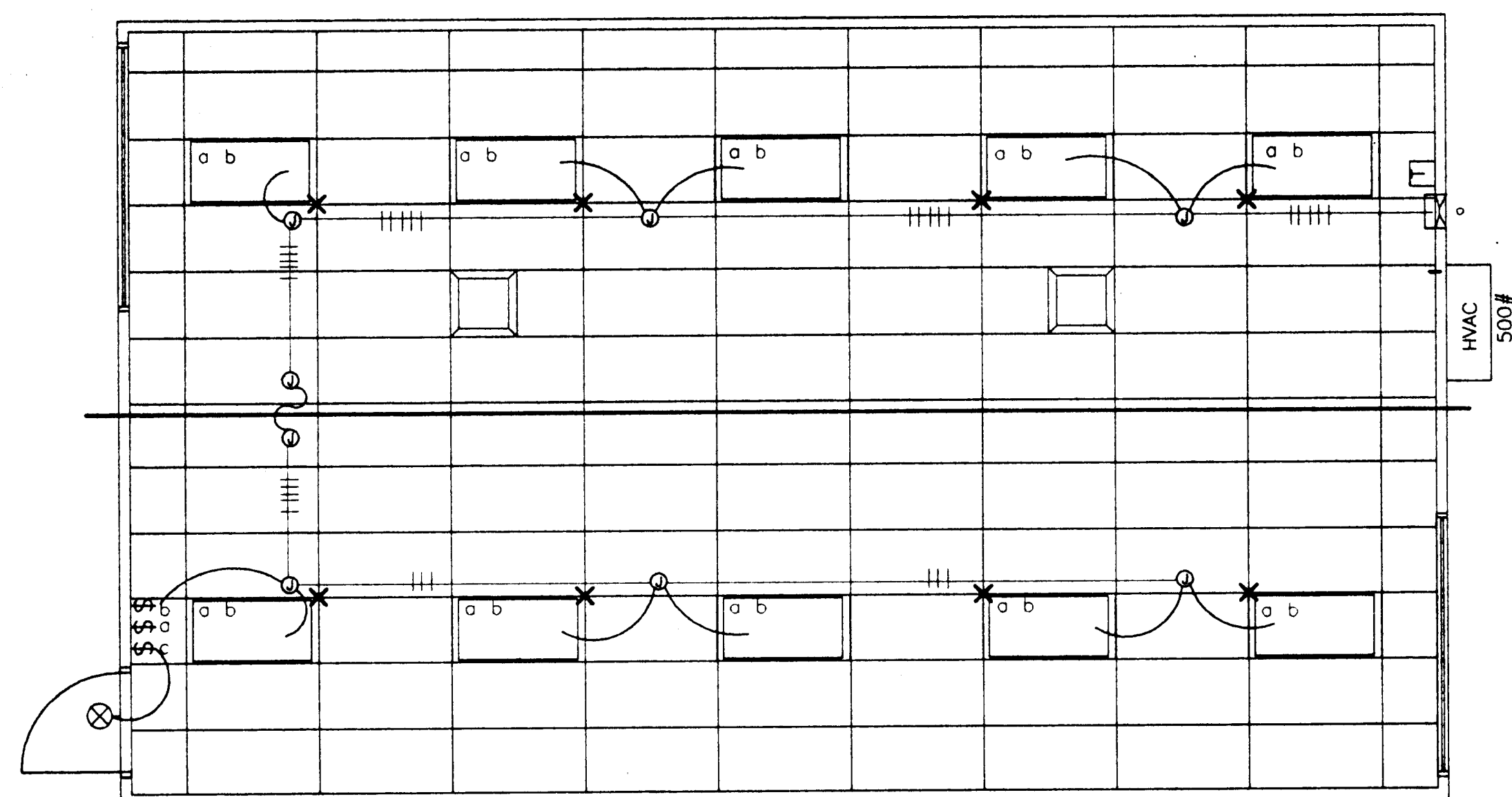
MECHANICAL PLAN & NOTES

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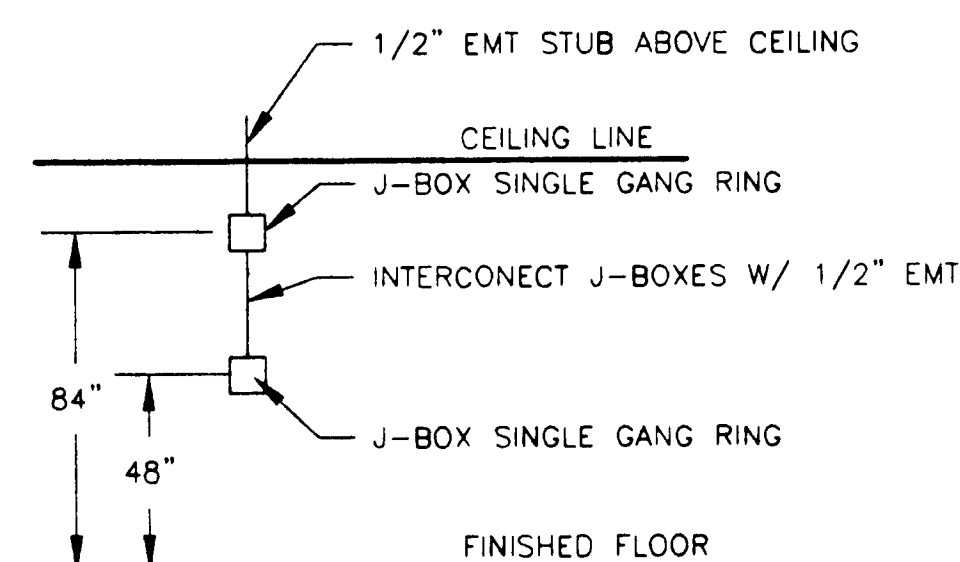
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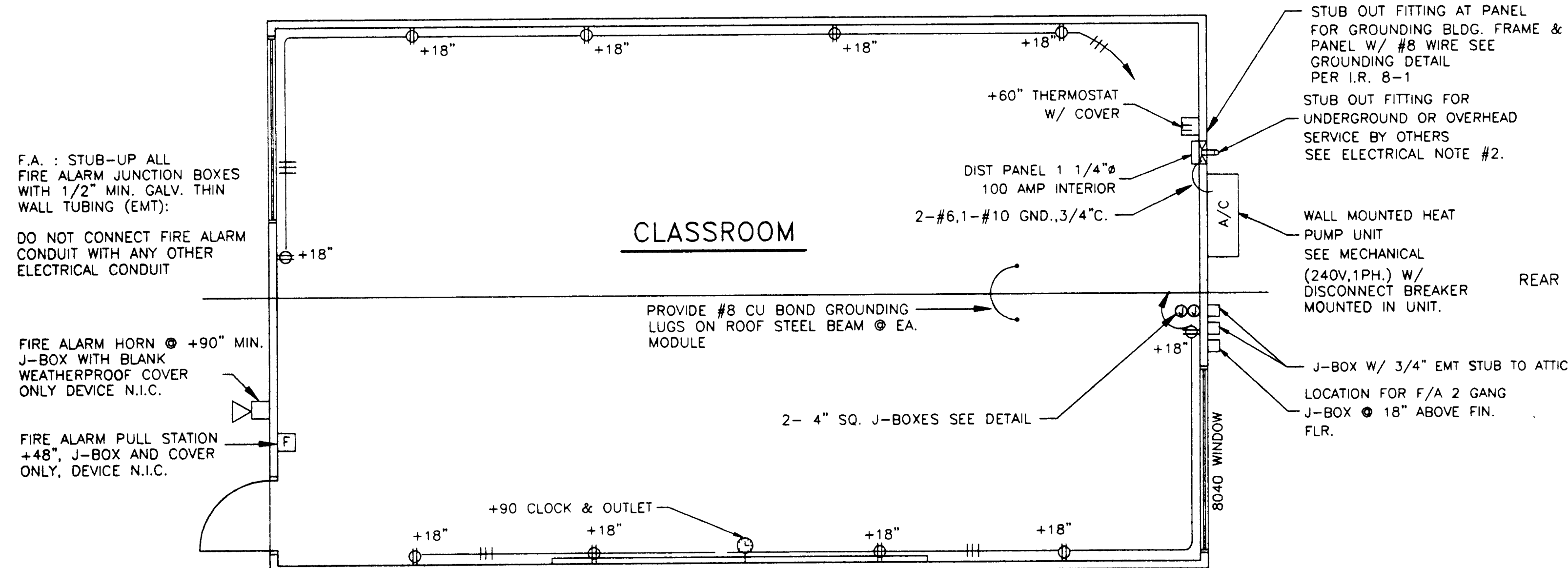


1 LIGHT FIXTURE PLAN
E1 1/4" = 1'-0"



SPECIAL J-BOX INSTALLATION DETAIL

The H.V.A.C. unit feeder circuit - panel circuit breaker, 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.



2 ELECTRICAL PLAN
E1 1/4" = 1'-0"

FIRE ALARM Junction 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.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing agency

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE - RECESSED.
- FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +15".
- SINGLE POLE LIGHT SWITCHES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"x1" #22 4"x2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +15". HOSPITAL GRADE.
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- PANELBOARD - SEE SCHEDULE.
- TERMINAL CABINET - SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, -H-3#14.
- H-4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -H-3#10, -H-4#6 ETC.

NOTE

- FIXTURE IDENTIFICATION - LETTER INDICATES TYPE.
- ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.

[W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.

50 AMP 250 VOLT RANGE RECEPTACLE.

FIRE ALARM STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE

FIRE ALARM HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.

FIRE ALARM VISUAL ALARM - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).

SPEAKER - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"

INTERCOM TELEPHONE - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"

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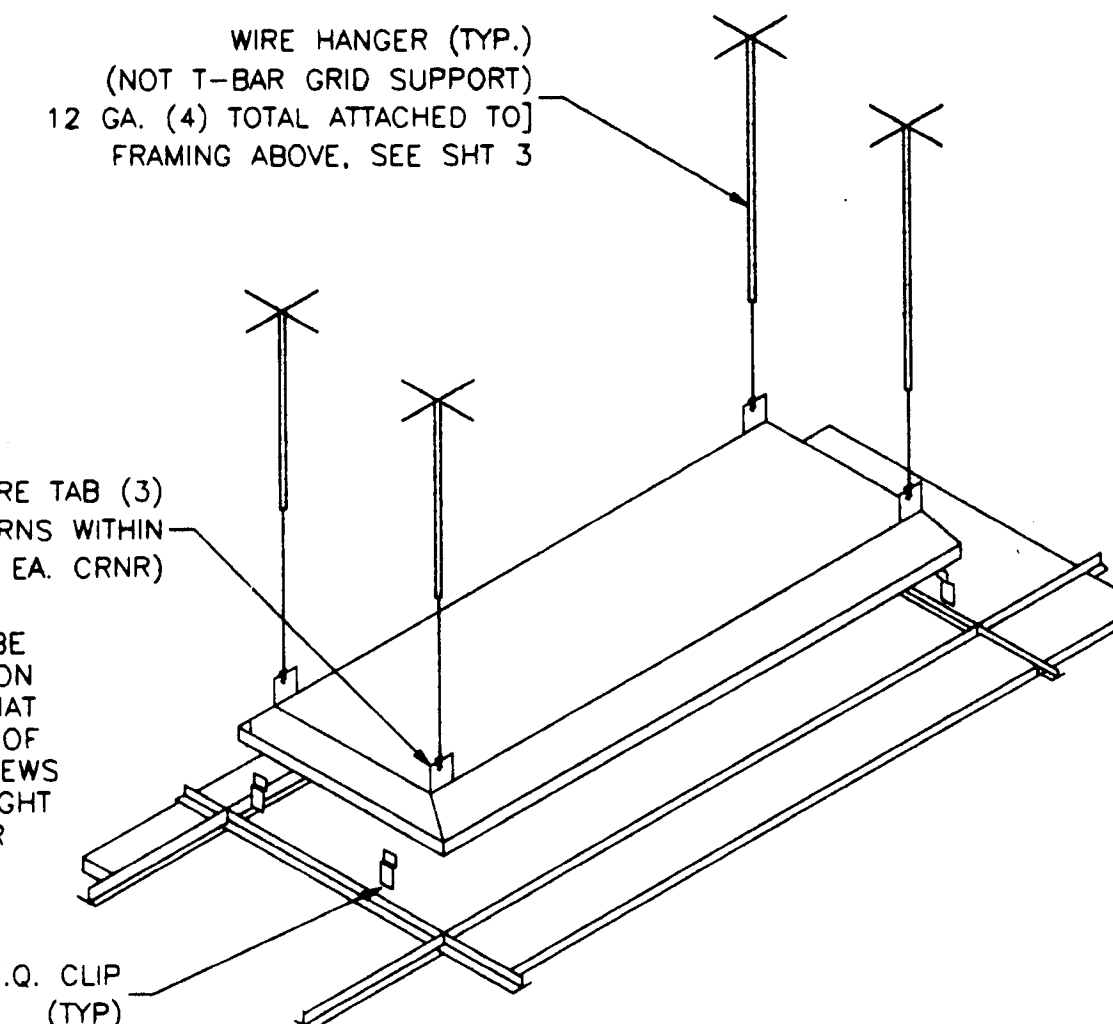
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SUPPORT
DETAIL

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501.A.5 & I.R. 47-4

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'x4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLAST. (4)32 WATT TUBES. WT. 27 LBS.	156 W	LITHONIA 2GT432A12120GEB
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

FIRE ALARM SYSTEM

- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 780 & C.A. FIRE CODE ART. 10.
- INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITECT.
- 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.

GENERAL NOTES

- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
- ALLOW FOR 12' MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
- 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

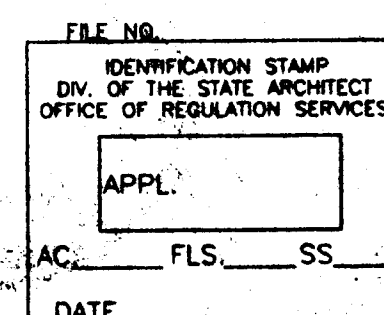
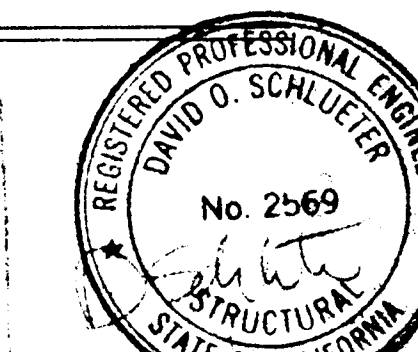
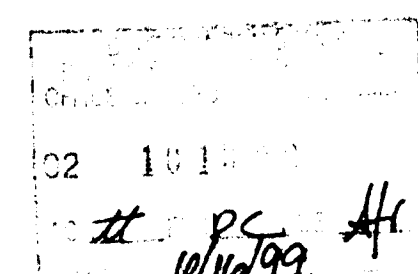
- Electrical service drop and connections supplied by others.
- Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
- Electrical panel board shall be recess mounted inside the building. 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.
 - Clock shall be General Electric model 2912 129V 60 cycle
 - Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

VOLTS: 120/240 SINGLE PHASE				PANEL: A				FEED: EXTERIOR LB			
MAIN: 125 AMP MAIN BKR.				LOCATION: INTERIOR				MOUNTING: FLUSH			
LOAD		WATTS		BRK.		A		B		C	
LIGHTS, FLUORESCENT		960		15 1 1		2		2.50		4476	
LIGHTS, FLUORESCENT		960		15 1 3		4		2.50		4476	
EXTERIOR LIGHT & CLOCK		100		15 1 5		6					
DUPLEX RECEPT.		720		15 1 7		8					
DUPLEX RECEPT.		720		15 1 9		10					
SPACE				11		12					
				13		14					
				15		16					
				17		18		4476		4476	
PHASE WATTAGE				1880 1680				PHASE WATTAGE			
TOTAL WATTS "A" LEG: 6556				TOTAL WATTS A+B=2743				TOTAL WATTS "B" LEG 6156			
TOTAL WATTS: 15455				65 AMPS 120/240V SINGLE PHASE				125AMP BUS.			

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.



3 ELECTRICAL DISTRIBUTION PLAN
E1 1/4" = 1'-0"



24 X 40
RELOCATABLE
CLASSROOMS

**American
Modular Systems**

CUSTOMER:
RELOCATABLE CLASSROOMS AT VARIOUS SITES
LODI UNIFIED SCHOOL DISTRICT
LODI, CALIFORNIA

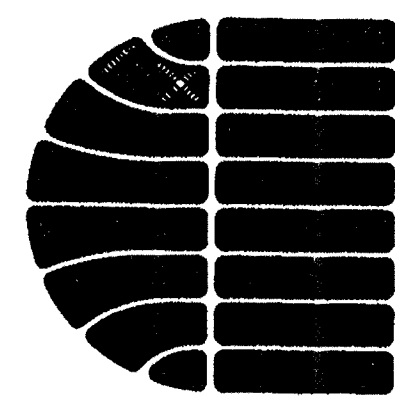
FLOOR PLAN & NOTES

DATE: 4-12-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			1		
2			2		
3			3		

PROJECT No.

SHEET No.
E 1



American Modular Systems

12 X 40 RELOCATABLE BUILDING LODI UNIFIED SCHOOL DISTRICT

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____
NAME: _____
DISTRICT/OWNER: _____
DIVISION-FILE NO. _____ APPLICATION NO. _____
ARCHITECT: _____
STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL
TESTS
AND
INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	CONCRETE	GUNITE	GROUT/MORTAR
Fill material, acceptance tests			Test of aggregates for mix design only
Compaction control, continuous			Submittal tests of concrete as detailed below
Compaction tests, only as ordered			Mix design
Sealing capacity of compacted fill			Continuous batch plant inspection
REINFORCING STEEL			Inspect placing
Sample and test, per steel #5 AND LARGER			Sample
Sample and test, mesh			Concrete strength
Inspect placing of job			Pick up samples at job
STRUCTURAL STEEL			Sample delivered to laboratory
Sample and test, as detailed below			Deliver sample forms to jobsite
Shop fabrication inspection			Sample and test cement
Field erection inspection			
Inspection of welds - Shop			
Inspection of welds - Field			
Inspection of riveting or bolting - Shop			
Inspection of riveting or bolting - Field			
Sample and test, high strength bolts and washers			
BRICK AND BLOCK			
Sample and test			
Test, only			
Inspection of placing			
Core drill samples			
GLUED LAMINATED STRUCTURAL LUMBER			
Fabrication inspection			
Sample and test, steel accessories			
Inspect fabrication of steel accessories			

Use of structural steel members to be tested:
3 1/2" x 3 1/2" x 1/4" SQ. COL.
C7X9.8
10 ga. & 12 ga. ROOF CEE
6 3/4"x14 GA. JOISTS
6 3/8" x 12 ga. JOIST

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1

6" x 14 ga. ROOF JOIST
4" x 12ga. ROOF JOIST
3 1/2" x 10 ga. ALT. JOIST
2"x16 ga. STRAPS

Other Tests and Inspections, together with special instructions:

GROUNDING TEST
EXPANSION ANCHORS

Copies of Reports to:
DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: _____
AUTHORIZED REPRESENTATIVE

INDEX

SHEET No. DESCRIPTION

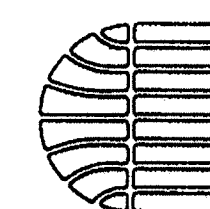
TS-1	TITLE & BUILDING DATA NOTES
N-1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
4	INTERIOR ELEVATIONS & OPTIONAL PLANS
S1	FOUNDATION PLAN WOOD, DETAILS & NOTES 50#
S2	FLOOR FRAMING PLANS
S2A	BUILDING SECTIONS & WALL DETAILS
S3	ROOF FRAMING PLAN & DETAILS
S4	FRAMING ELEVATIONS & DETAILS
S5R	RAMP PLAN, ELEVATION & DETAILS
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES
E2	ELECTRICAL PLAN, DETAILS & NOTES

BUILDING DATA RESTROOMS

OCCUPANCY	E-2
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	22.6 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	480 SQ FT
FIRE MARSHAL- CALIFORNIA BUILDING CODE (CBC)	
STRUCTURAL - 1998 CALIFORNIA BUILDING CODE (CBC)	
MODULES	MOMENT-RESISTANT (LONGITUDINAL)
SYSTEM	PLYWOOD SHEAR WALL (TRANSVERSE)
FOUNDATION	PRESSURE TREATED WOOD
SEISMIC	ZONE 4

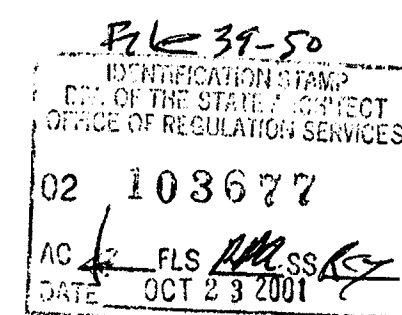
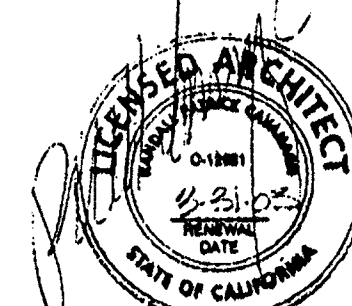
SEISMIC SOURCE A
DISTANCE FROM SEISMIC SOURCE ≤ 2 KM
SOIL TYPE S₂

RELOCATABLE BUILDING P6

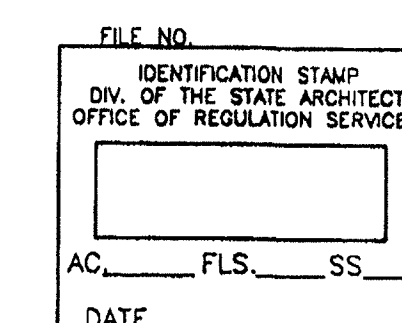


American Modular Systems

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018



BASED ON PC# 02-101741



JOB NO.	DATE: OCTOBER 10, 2001
SHEET NUMBER	TS-1
BINDING ORDER	1

BGH PROJECT NO. 200019.31

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

- GENERAL
 - THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
 - NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
 - ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
- SCOPE OF WORK
 - THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 - GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 - INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 - ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 - OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
 - ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 - CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 - THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 - ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 - EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 - ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 - SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 - THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
 - FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
 - ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION FOUNDATION

- ASSIGNED ALLOWABLE SOIL BEARING: 1000 PSF.
 - FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.
- NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, R 21-6, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.
- WORK NOT INCLUDED
 - ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
 - ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
 - WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
 - ACCESSIBILITY OF SITE
 - THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING				
DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	.16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5. STRUCTURAL STEEL FABRICATION

- GENERAL. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
 - WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS CONFORMING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, 2CCR, SECTION 2212.A.5 WELDING ELECTRODE SHALL BE E70XX.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36. U.N.D.
 - TUBE COLUMNS SHALL CONFORM TO ASTM A500, GRADE B.
 - GAUGE METAL SHALL CONFORM TO ASTM A570, GRADE AS SPECIFIED ON DETAILS.
 - WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
 - METAL DECKING AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI AND CONFORMING TO ASTM A446, GRADE A. THE STEEL SHALL HAVE A ZINC COATING CONFORMING TO ASTM A525 G-60.
- ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
 - NAILS, BOLTS, SCREWS AND NUTS ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 - BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARBIDE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PLOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MT28B.
 - HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
 - SHOP PAINT
 - EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.
 - TESTS
 - PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2, 2CCR SECTION 2212.A.1.

SECTION 6A CARPENTRY

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
- MATERIALS
 - LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17 OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.I.L.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CBC EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
 - JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR S4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
 - HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1.
 - BLOCKING - DOUG FIR #3 OR HEM FIR #3 OR STD. & BET.
 - SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP, LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
 - PLYWOOD ROOF DECKING - NOT USED.
 - PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
 - EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR.
 - MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
 - STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.
 - FASTENERS - ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 25-17, ELECTROGALVANIZED COMMON NAILS U.N.O.
 - BUILDING TRIM - 2X REASAWN SELECT D.F., H.F. OR CEDAR.
 - DOOR/WINDOW TRIM - 1X4 REASAWN D.F., H.F. OR CEDAR.
 - FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
 - FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
 - ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
 - FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
 - WORKMANSHIP
 - FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - NAILING - IN ACCORDANCE WITH TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS, TABLE 23-1-0.
 - EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.

- MACHINE APPLIED NAILING:
 - USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
 - MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
- MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL.
- JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS.
- SHEATHING APPLIED OVER MOISTURE BARRIER.
- TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
- MATERIALS
 - SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - SOLDER - OF STAND. GRADE "A" OF EQUAL PARTS RAD BRAND LEAD AND TIN ASTM B32.
 - FLUX - ZINC SATURATED MURIATIC ACID.
 - CUTTERS: 26 GA. G-90 GALV. STEEL.
 - DOWNSPOUTS: 2"x3" CONVULGATED 30 GA. G-90 GALV. STEEL. GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL. GUTTER CLIPS: 18 GA. G-90 GALV. STEEL.
- WORKMANSHIP
 - SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
- MATERIALS:
 - ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING SHEET STL PANELS (090).
 - ROOFING - SHALL BE CLASS B

SECTION 7J SEALANT

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
- MATERIALS
 - VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MANECO INTERNATIONAL FOR ROOFS. "GEOTEEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP, FOR ALL OTHER APPLICATIONS, OR EQUAL.
- WORKMANSHIP
 - SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE CONCRETE (IF USED)

- CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
- REINFORCING BARS-ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
- EXPANSION JOINT FILLER: ASTM D894
- FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER; OR METAL FORMS.
- PLACING REINFORCEMENT, PLACING CONCRETE SURFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24, PART 2.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
- MATERIALS
 - DOORS - TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE - BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 - FRAMES - 16 GA. COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB - ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
- WORKMANSHIP
 - ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D FINISH HARDWARE

- SCOPE OF WORK
 - CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.
- SCHEDULE FOR EXTERIOR DOORS
 - SEE NOTE ON FLOOR PLAN.
- SPECIAL REQUIREMENTS
 - EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
 - CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTING EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
- MATERIALS
 - FOR EXTERIOR WOOD:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	00-60-XX	1240-XXX	B54W2102	GE2-NXX
 - FOR INTERIOR TRIM:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	43-4	1710	B50N2	15N
FINISH	10-XX	1700-XXX	B54W2102	GE2-NXX
 - FOR METAL:

REF. BRAND	DUNN	KELLY	SHERWIN	SINCLAIR
PRIMER	43-4	1710	B50N2	15N
FINISH	10-XX	1700-XXX	B54W2102	GE2-NXX
- WORKMANSHIP
 - ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 - EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
 - INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
 - INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
 - METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKOY FINISH COAT OVER ZINC CHROMATE OR EQUAL PRIST INHIBITING PRIMER.
 - TRIM - ONE COAT OF FERROX NON-SKD SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE.
 - ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-910-98A DATED JULY 1989. OR EQUAL.
- SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS
 - IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 - THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
 - CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

- WALL FINISH MATERIAL
- FLAME SPREAD MAX = 200
- SMOKE DENSITY MAX = 450
- BUILDING INSULATION
- FLAME SPREAD MAX = 25
- SMOKE DENSITY MAX = 450
- PIPE INSULATION
- FLAME SPREAD MAX = 25
- SMOKE DENSITY MAX = 450
- DUCT INSULATION
- FLAME SPREAD MAX = 25
- SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

- SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
- EQUIPMENT
 - SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
- WORKMANSHIP
 - UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

- SCOPE OF WORK
 - CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
- MATERIALS
 - ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION.
 - ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERADIZED. EXTERIOR FLEX - GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
 - PANELBOARDS - FLUSH MOUNTED.
 - CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE - #14.
 - RECEPTACLES - AS NOTED. +15" A.F.F. MIN.
 - CLOCK RECEPTACLE - AS NOTED.
 - SWITCHES - AS NOTED. +48" A.F.F. MAX.
 - LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
 - WORKMANSHIP
 - MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION.
 - BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.) (FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

- INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.
- IN-PLANT INSPECTION.
- ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-8). A COPY OF THE INSPECTOR'S VERIFIED REPORT

SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

MATERIALS AND WORKMANSHIP
ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANAGED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED UNLESS OTHERWISE SPECIFIED SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"x1"-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- MANUFACTURER'S BUILDING NUMBER.
- DESIGN WIND LOAD
- DESIGN ROOF LIVE LOAD
- D.S.A. APPLICATION NUMBER.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.)

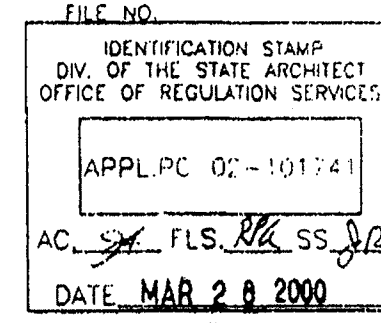
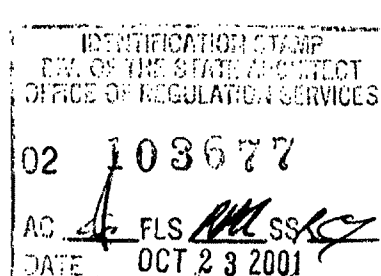
THE 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 480 SQUARE FEET WITH A TOLERANCE OF MINUS 10 SQUARE FEET. THE BUILDINGS SHALL BE 12' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINEAR DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FULL LENGTH CUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT, FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.



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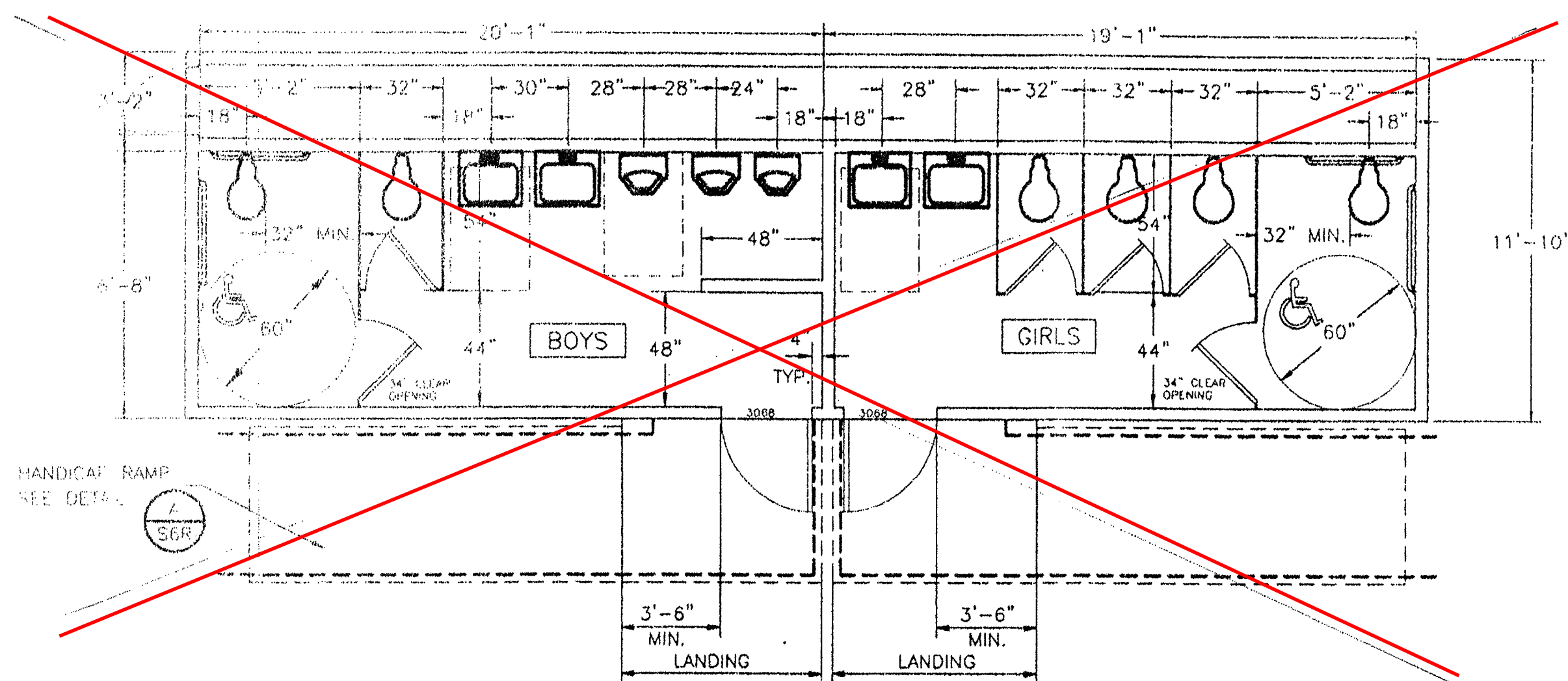
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CHECKED BY:
CHECKED BY:
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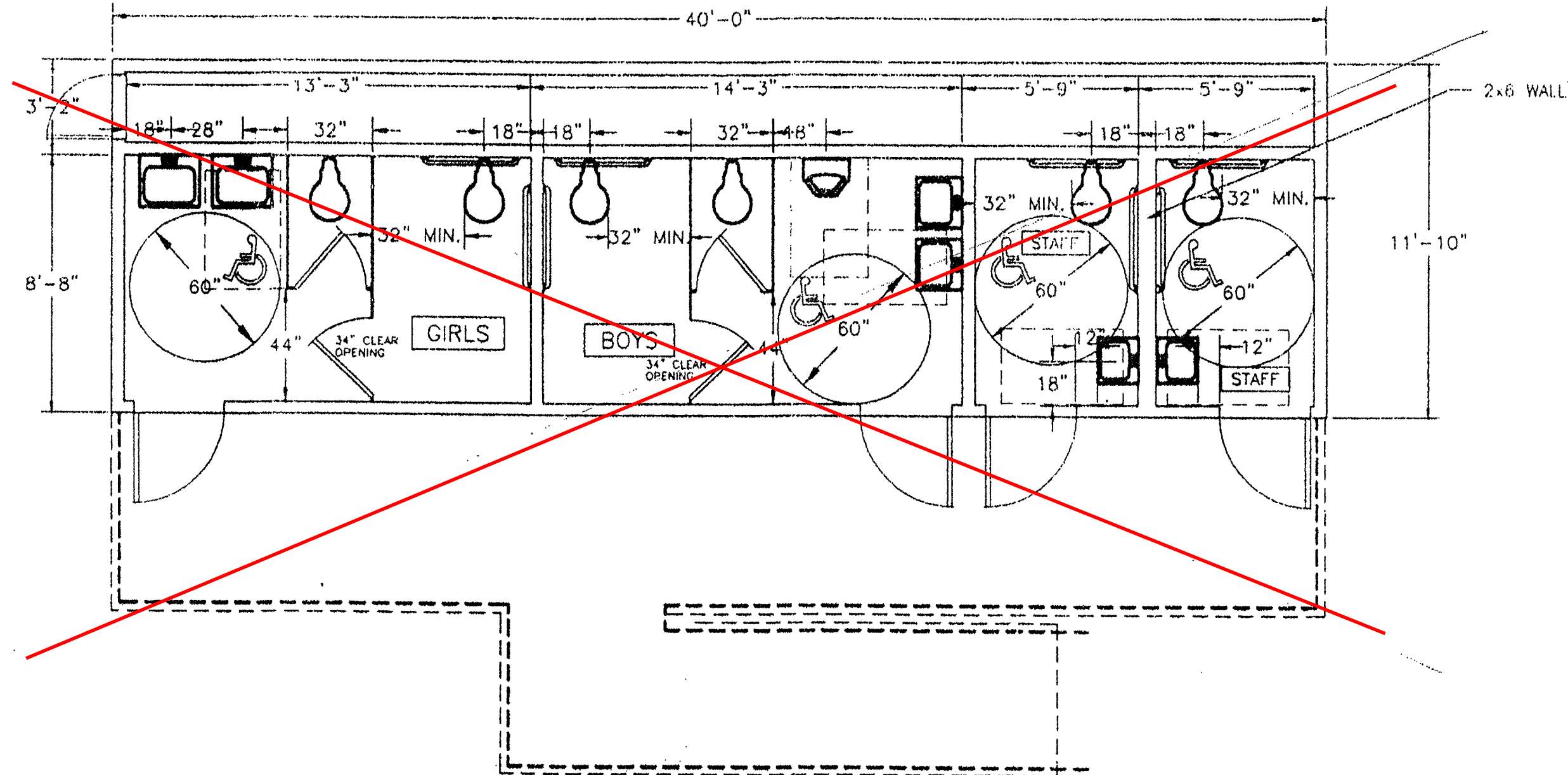
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PROJECT No.
SHEET No.
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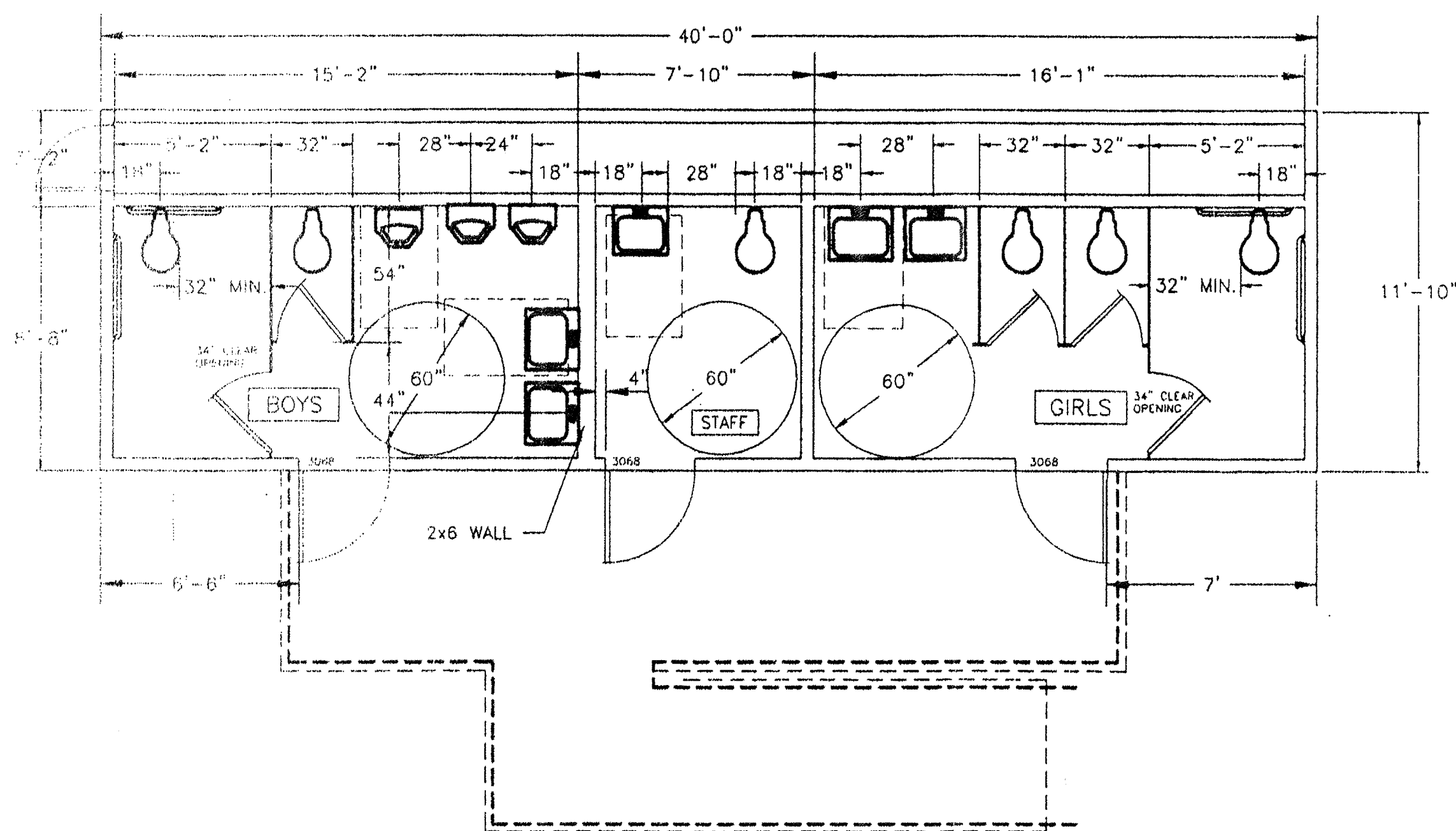
FLOOR PLAN ALTERNATE 1

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



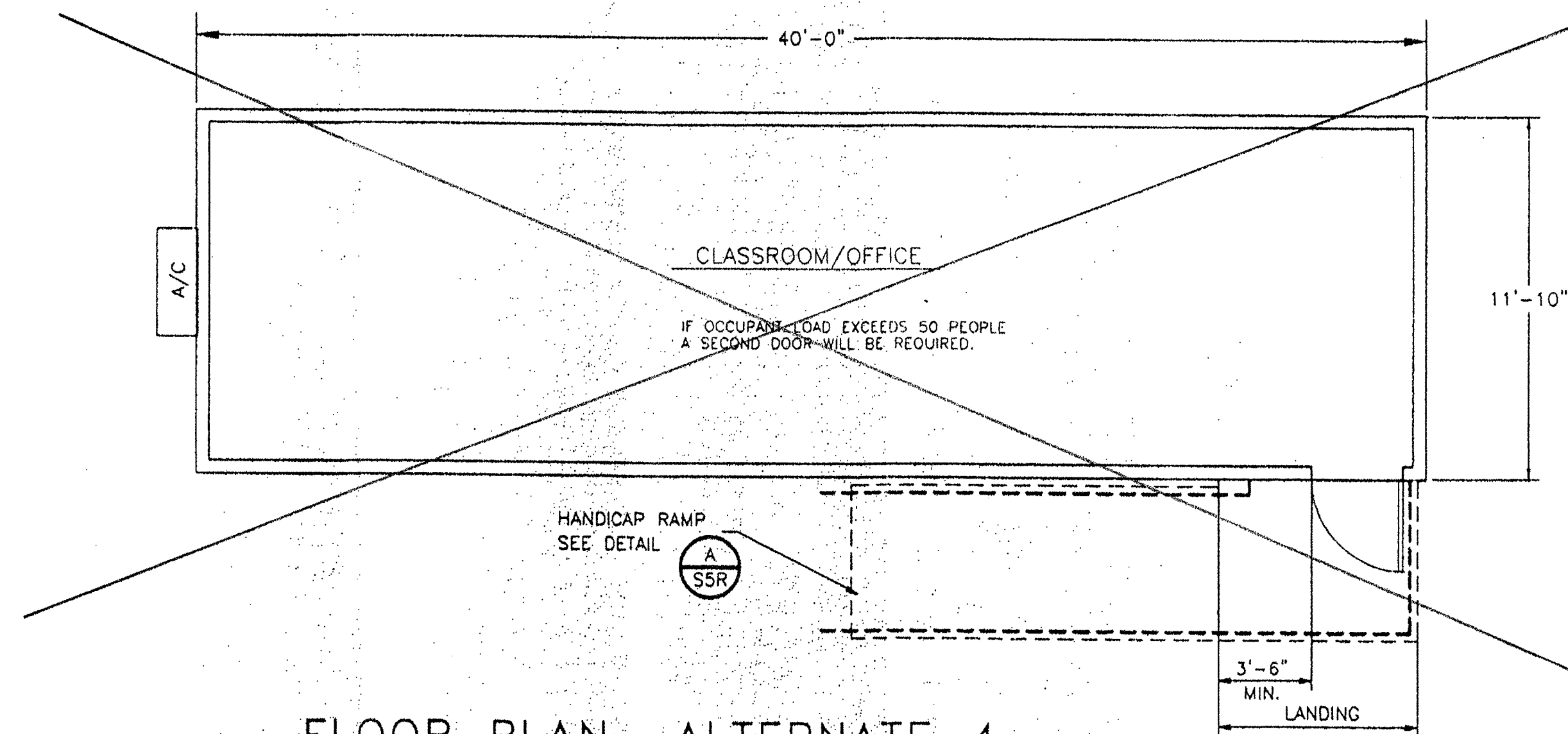
FLOOR PLAN ALTERNATE 3

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



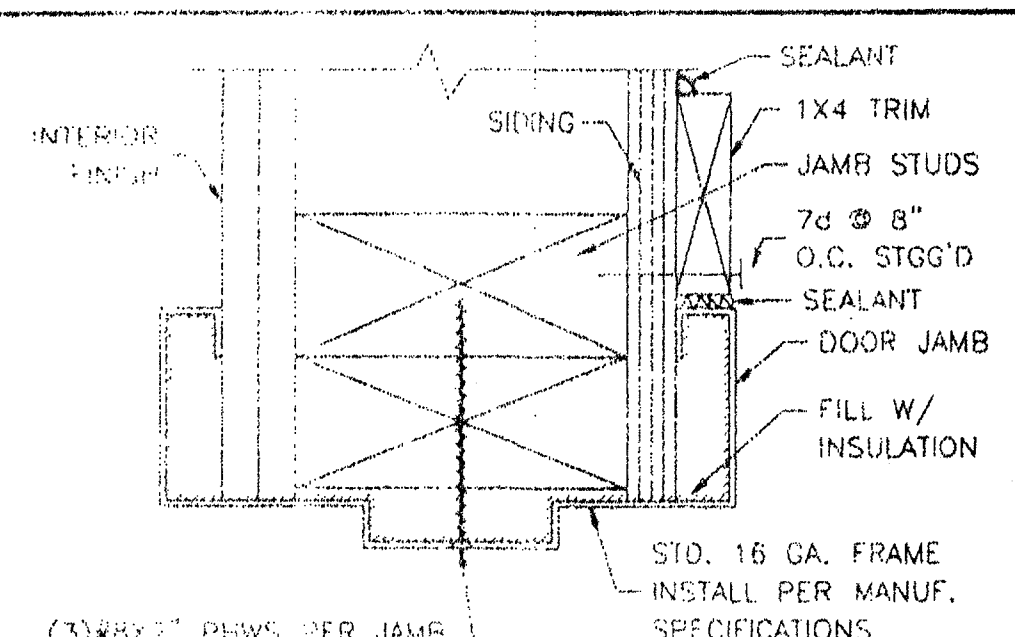
FLOOR PLAN ALTERNATE 2

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



FLOOR PLAN ALTERNATE 4

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

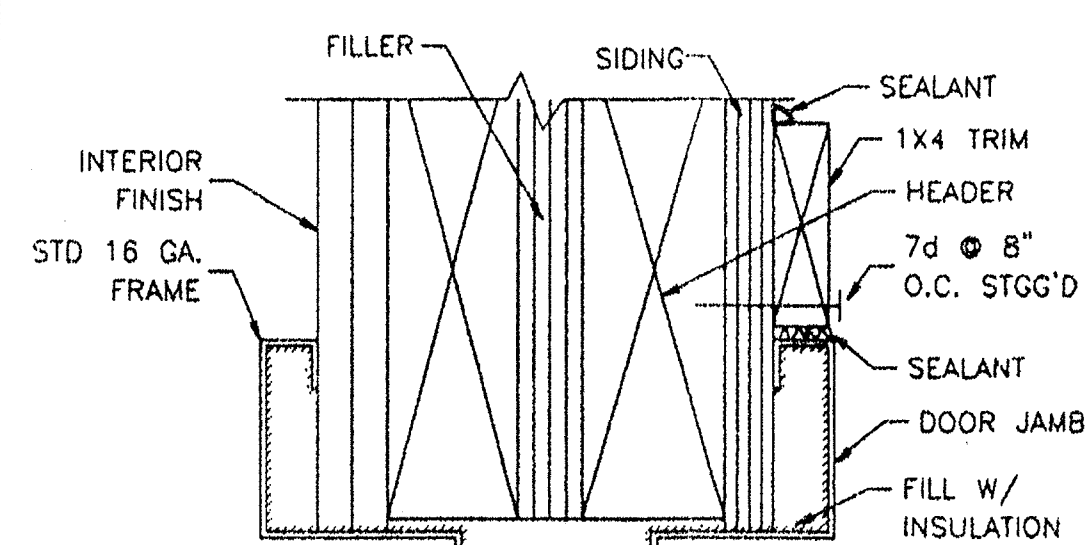


TYPICAL EXTERIOR DOOR JAMB

NO SCALE

5
1

NOTE: SEE MANUFACTURER'S SPECS FOR INSTALLATION.

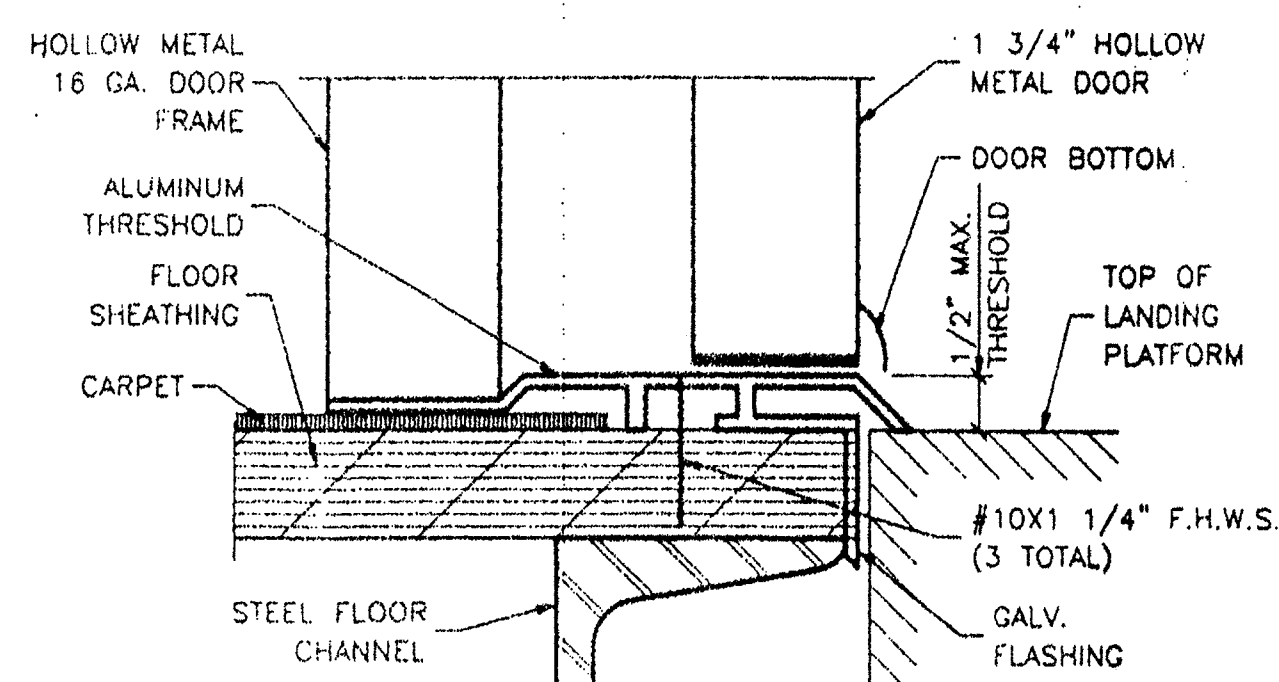


TYPICAL EXTERIOR DOOR HEAD

NO SCALE

6
1

NOTE: SEE MANUFACTURER'S SPECS FOR INSTALLATION.



TYPICAL EXTERIOR DOOR SILL

NO SCALE

4
1

NOTE: SEE MANUFACTURER'S SPECS FOR INSTALLATION.

NOTES

INTERIOR

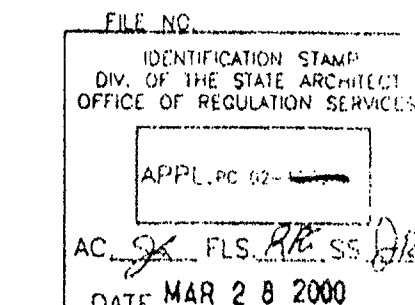
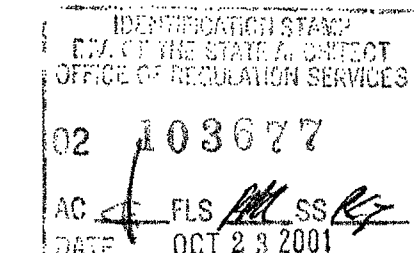
1. Floor: Carpets - Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 7220-XXX-01, Group 1, Type A, Class 2B. Color will be selected by District after award of bid. The carpet density shall be 4600 minimum. Pile yarn shall be braided nylon. No cross seams shall be allowed.
2. Restroom Floor: Armstrong sheet vinyl or equal.
3. Interior walls shall be vinyl covered lockboard U.N.O. applied in one continuous length from floor to ceiling. The lockboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have on frame-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl colorized base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped to the lockboard. Lockboard shall be applied over 1/2\" sheetrock or 3/8\" plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by the California State Fire Marshal. Reference brand: Vinyl covered lockboard as manufactured by Chaffield-Clarke or comparable. Care shall be taken in mounting the lockboard so that the texture of all panels will have the same orientation and color match.
- 3a. Interior restroom walls shall be F.R.P. U.N.O.
4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501.A.5 and IR #47-4 inclusive as applicable to classrooms.

DOORS

1. Exterior Doors: Metal Doors - 3'0\"x6'8\" hollow metal door construction of 1 sheet of 18 ga. steel assembled per C5242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6\" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per joint.

HARDWARE

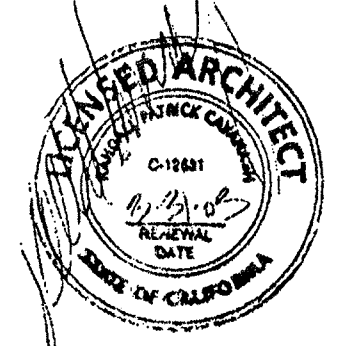
1. Exterior Door
 - A) Hinges: HAGER 4-1/2x4-1/2 bolts, 5B1279 US260, 1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
 - B) Lockset: Classroom lever handle lockset, mortise or cylindrical type, Schlage D70PD (Rodes) or equal US260 finish.
 - C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal.
 - D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
 - E) Threshold: Threshold shall be Pemko 271 AV 5\" aluminum with Pemko 216 AV Ultra 1H042 door bottom.
 - F) Doorstop: Quality #44, or equal.



12 X 40
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CUSTOMER:

FLOOR PLAN & NOTES

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DRAWN BY: R.S.
CHECKED BY:
SERIAL NO.

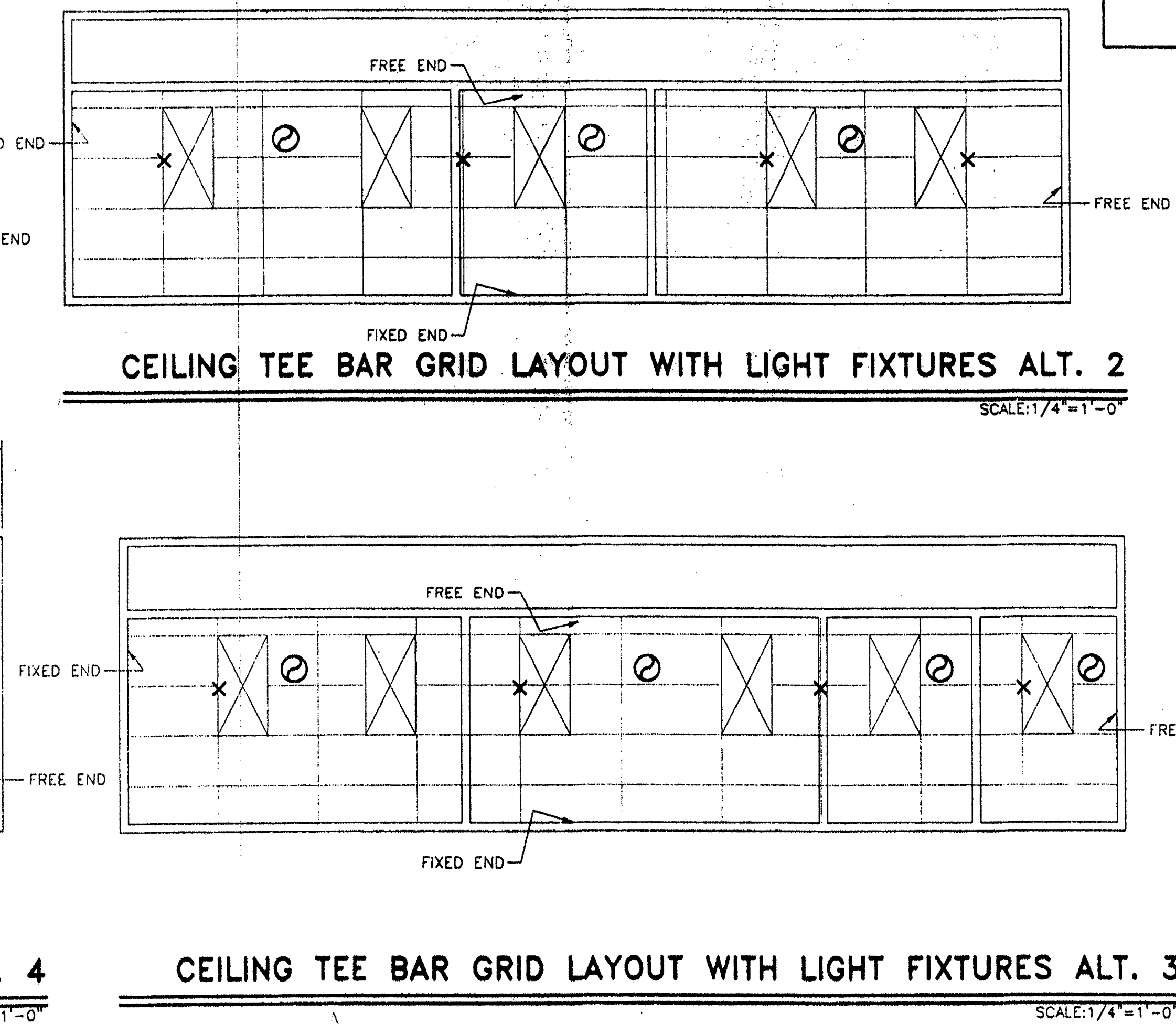
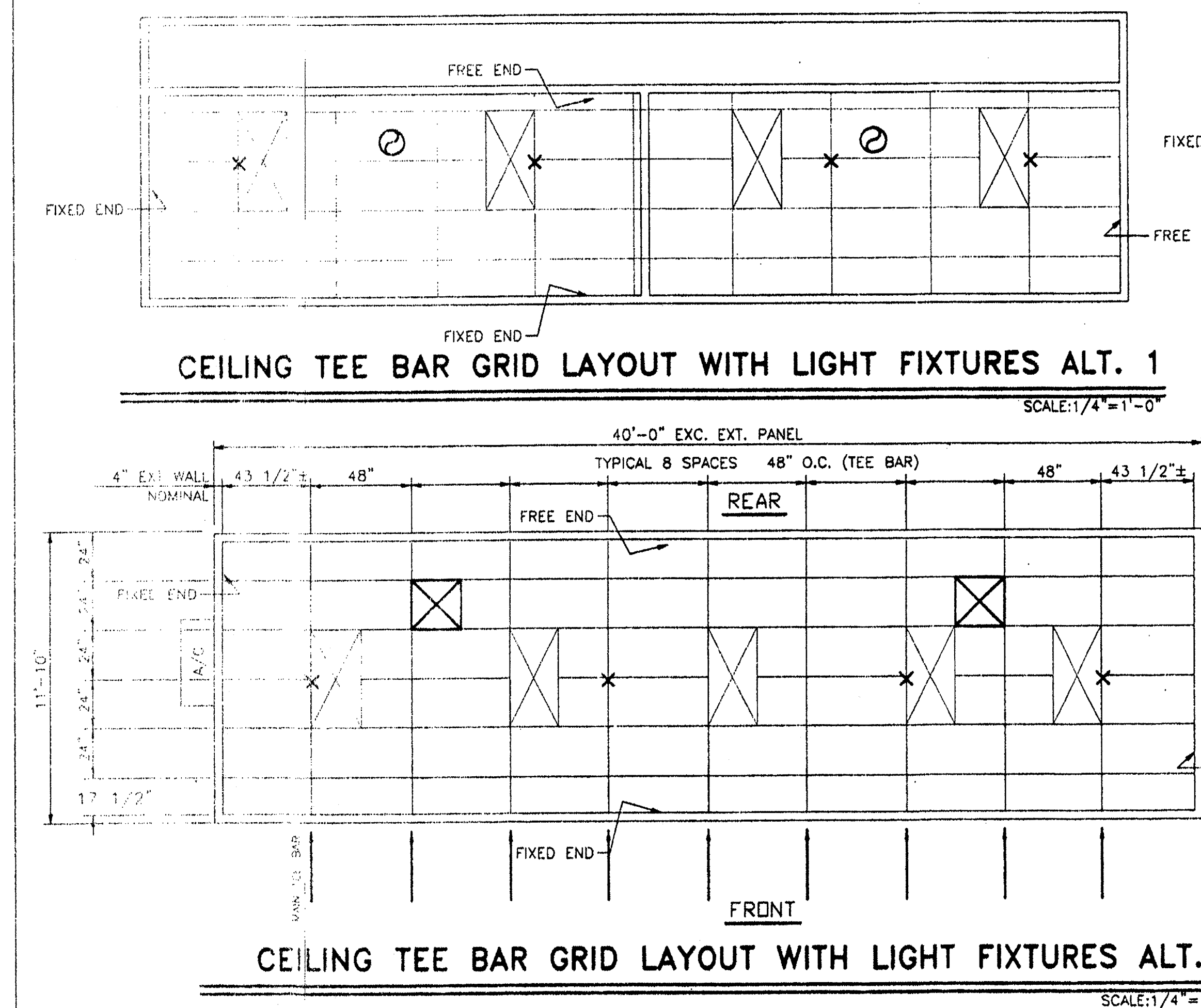
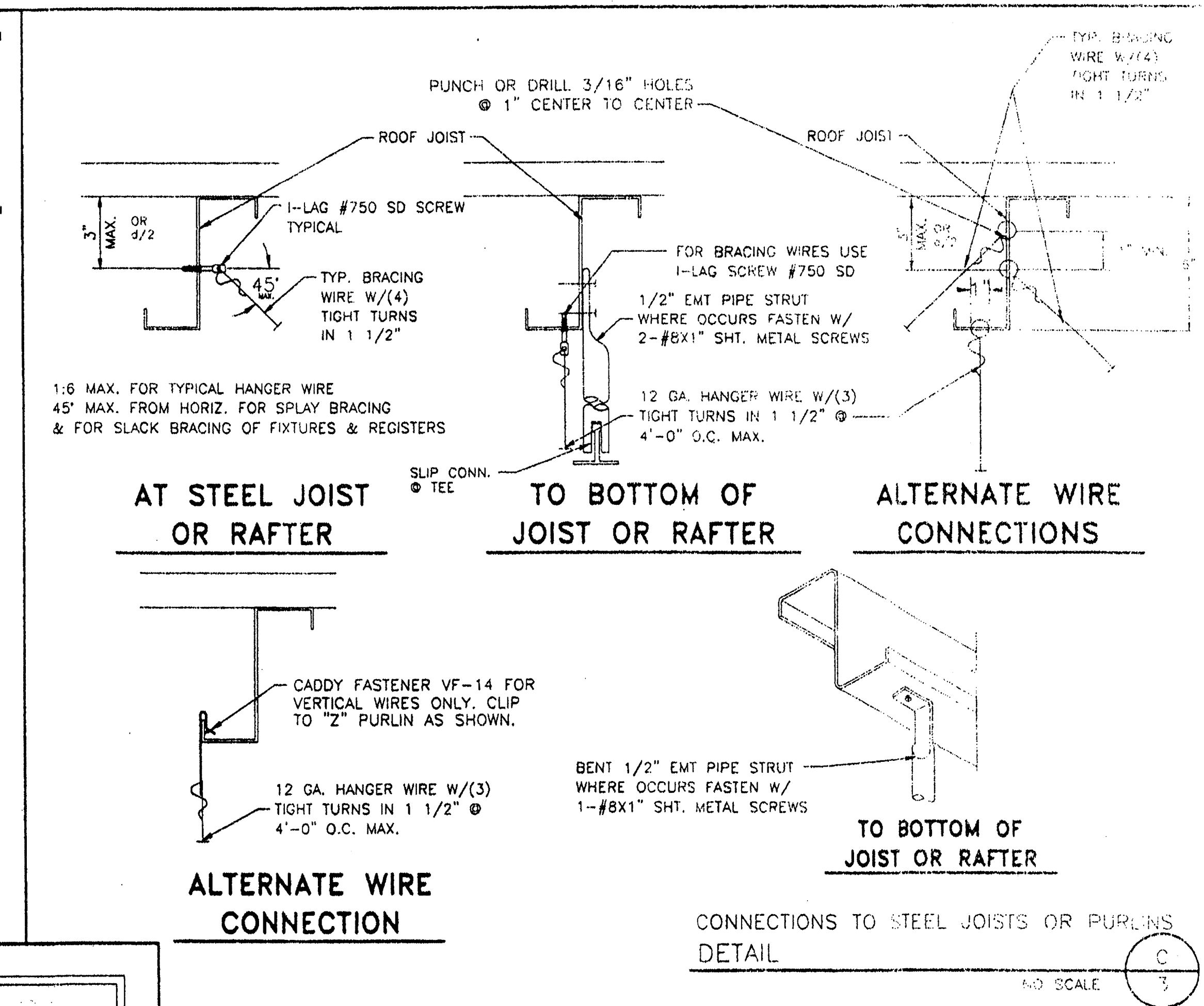
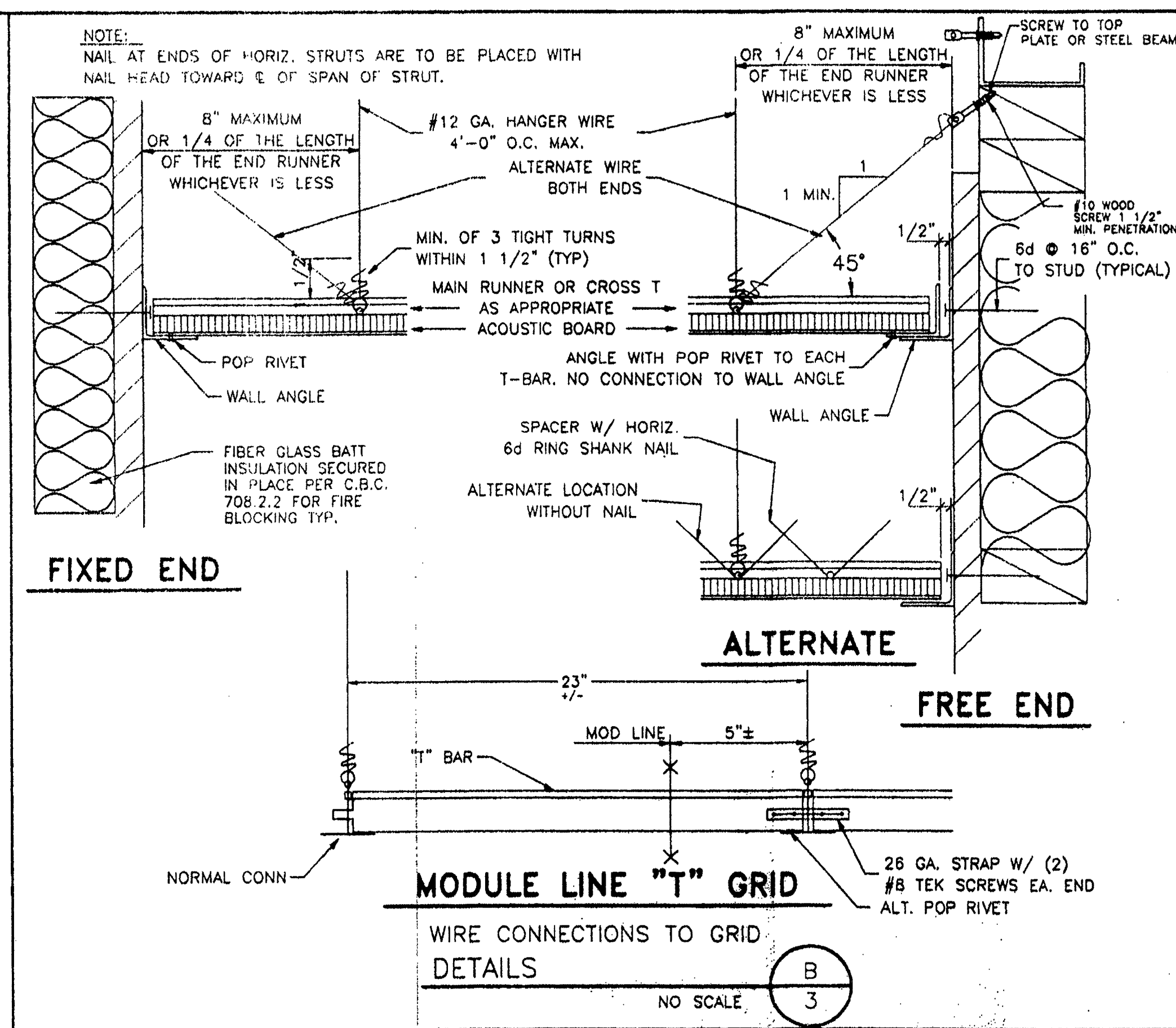
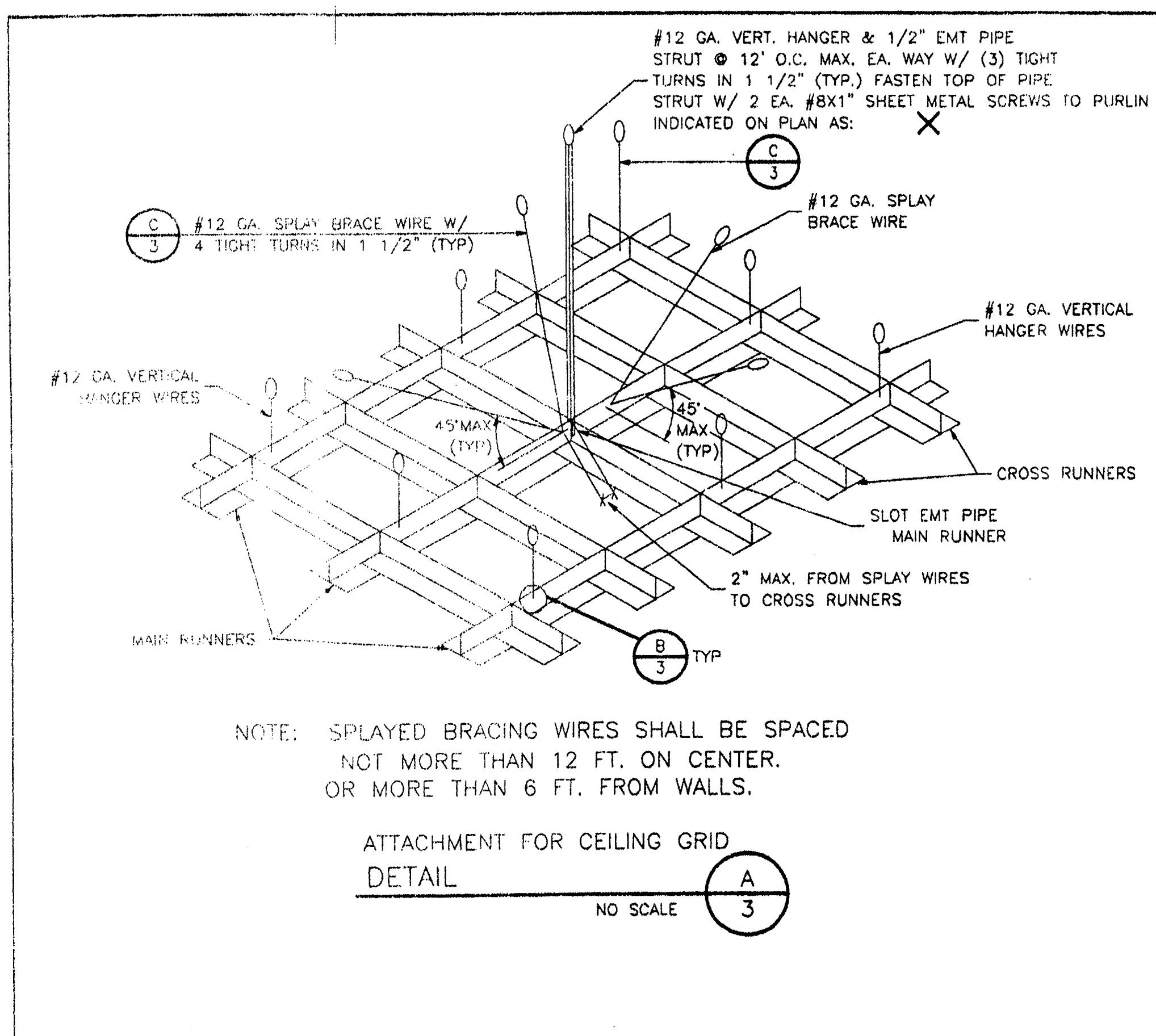
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PROJECT NO.

SHEET NO.

1

BGH PROJECT NO. 200019.31



- 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.
 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. IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.
 9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
 10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS SERVICES WEIGHING LESS THAN 50 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 IS "HEAVY DUTY" PER ASTM C635.
- TABLE A HEAVY DUTY GRID COMPONENTS**
- | MANUFACTURER | WALL TEE | HD. 2 CROSS TEE | HD. 2 CROSS TEE |
|--------------|----------|-----------------|-----------------|
| CONCRETE | 1301 | 1301 | 1301 |
| AMERICAN | 1301 | 1301 | 1301 |
| CHICAGO MET | 1301-01 | 1301-01 | 1301-01 |
- NOTE:** ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

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

02 103677

AC 4 PLS. MRS. K. S. R.

DATE OCT 2 9 2001

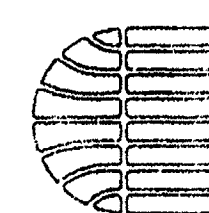
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OFFICE OF REGULATION SERVICES

APPL. 12-10-17-17

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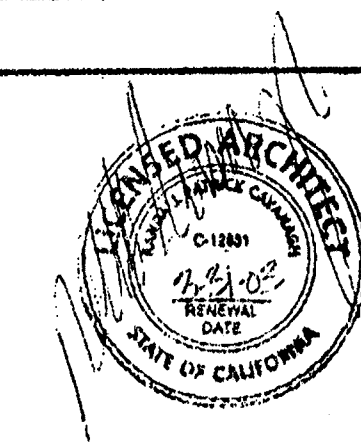
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12 x 40
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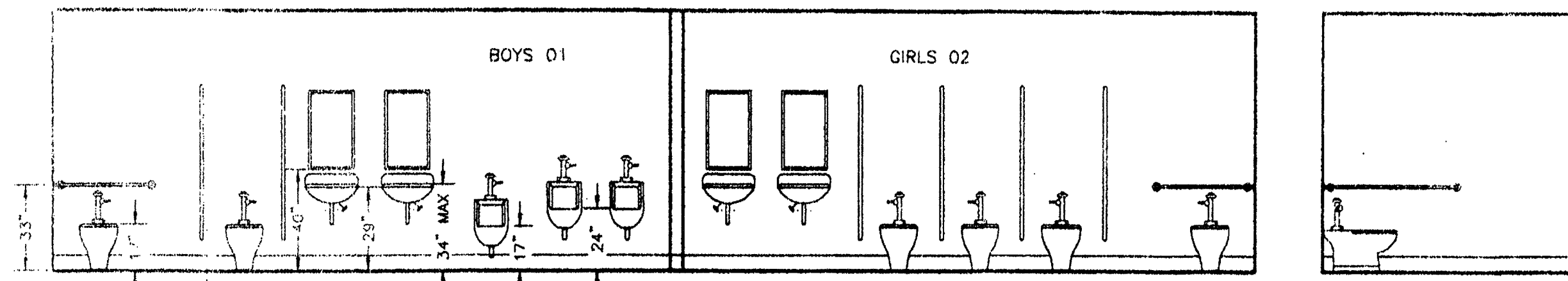
CUSTOMER:

CEILING GRID, DETAILS AND NOTES

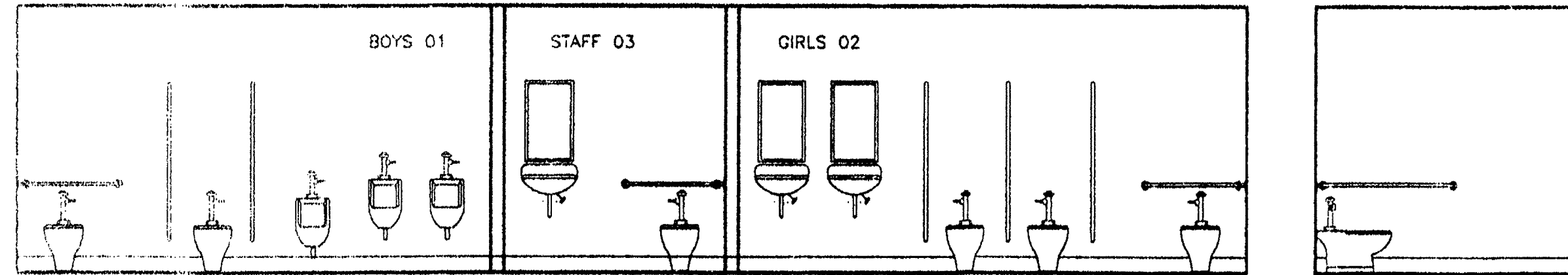
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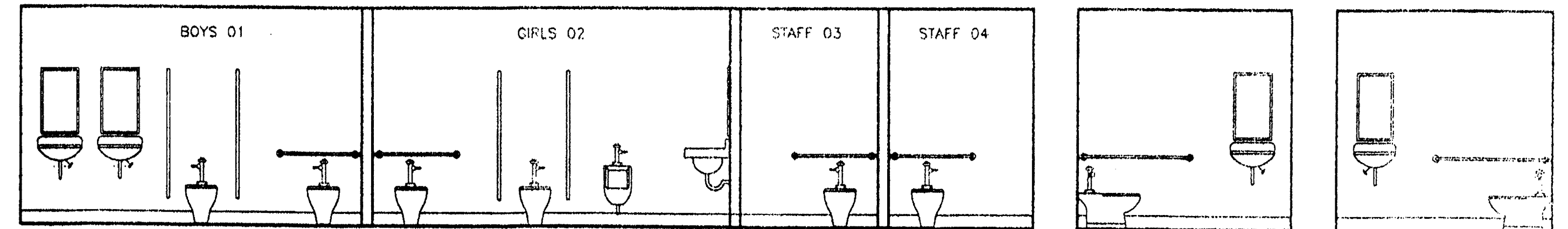
PROJECT NO.
SHEET NO.
3



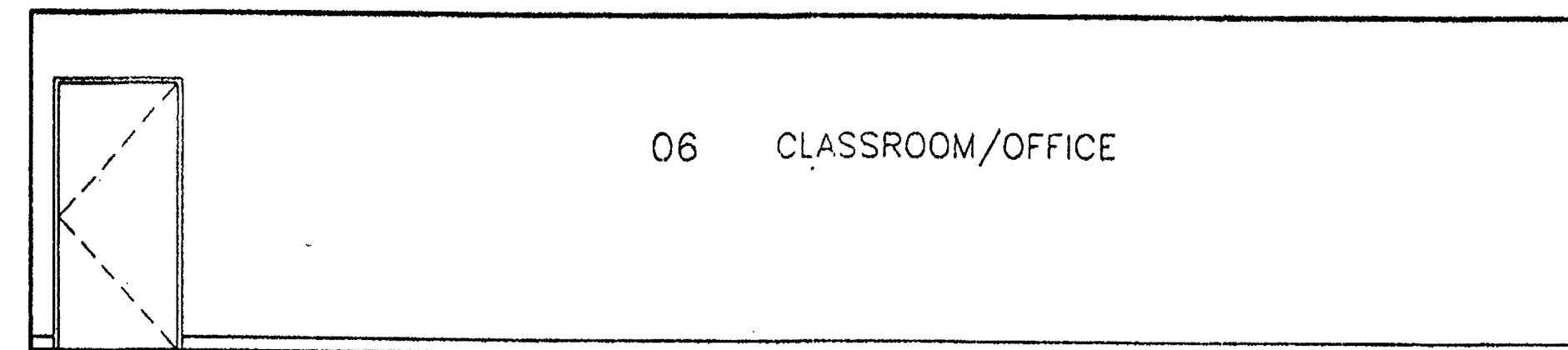
1 ELEVATION (A) ALT. 1
1/4" = 1'-0"



2 ELEVATION (B) ALT. 2
1/4" = 1'-0"



4 ELEVATION (C) ALT. 3
1/4" = 1'-0"



4 ELEVATION (D) ALT. 4
1/4" = 1'-0"

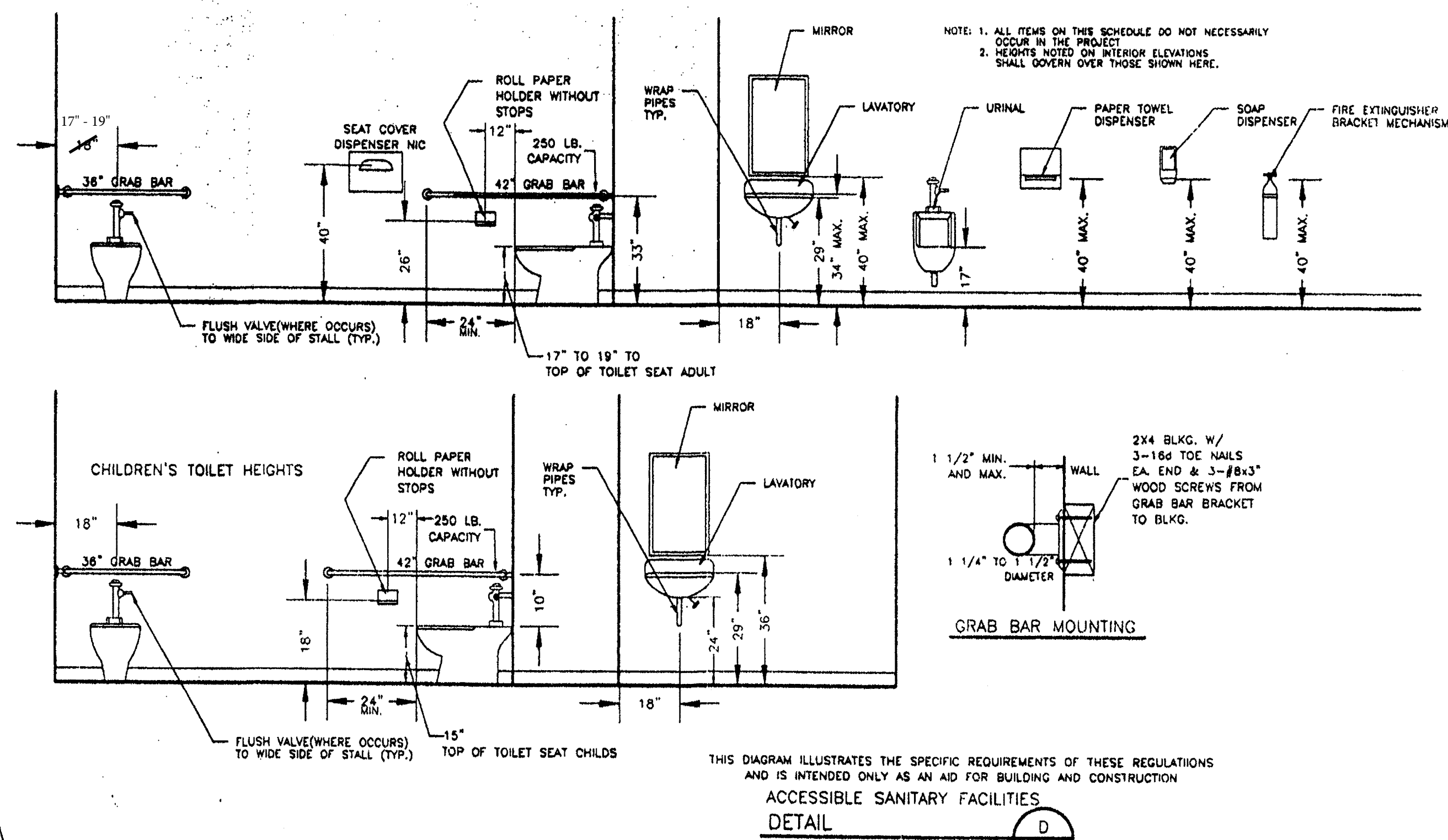
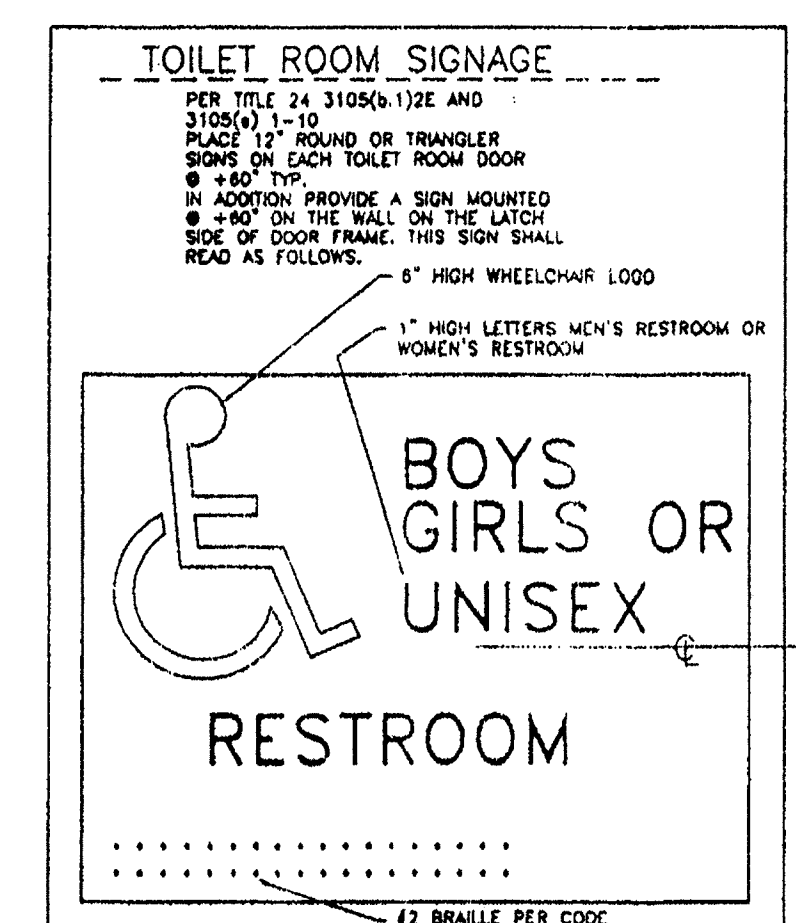
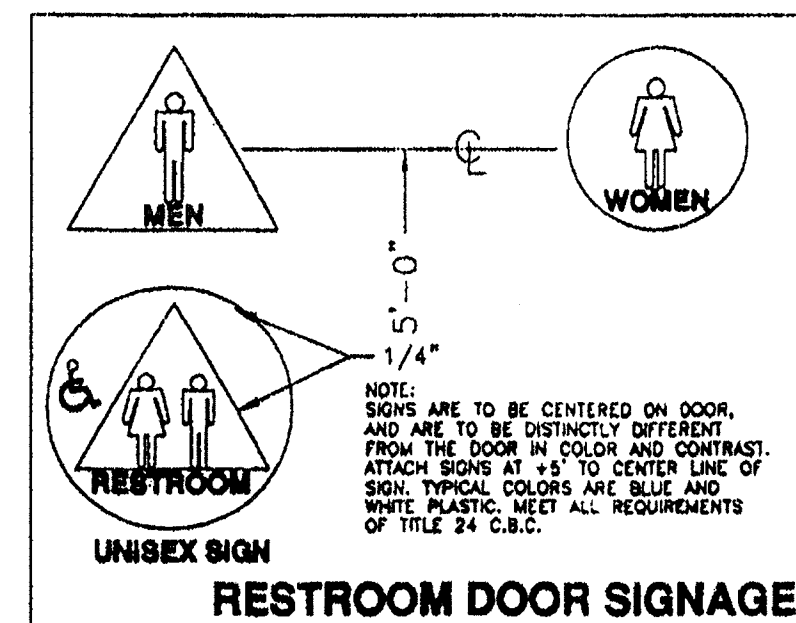
RECOMMENDED DIMENSION FOR ACCESSIBILITY IN TOILET FACILITIES FOR CHILDREN			
FIXTURE TYPE	ADULT (AGE 12 AND OVER)	ELEMENTARY	KINDERGARTEN & PRE-SCHOOL
TOILET CENTERLINE FROM WALL	17" - 19"	15"	13"
TOILET SEAT HEIGHT (TO TOP OF SEAT)	17" - 19"	15"	10" - 12"
GRAB BAR HEIGHT	33"	33"	10" ABOVE SEAT *
TOILET PAPER IN FRONT OF TOILET	12" MAX.	12" MAX.	6" MAX. **
MARKER DISPOSEL IN FRONT OF TOILET	12" MAX.	N/A	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	38" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	28" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	26" MIN.	24" MIN.	22" MIN.
URINAL SP. HEIGHT	17" MAX.	15" MAX.	10" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	38" MAX.	28" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	31" MAX.	24" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
HAND DRYER HEIGHT	34" - 38"	27"	22"

DOOR SCHEDULE									
DOOR NO.	OPENING SIZE	DOOR TYPE	DOOR THK.	MAT'L	FRAME MAT'L	GLAZING	RATING		
1	2'-0"x6'-8"	A	1 3/4"	H.M.	H.M.	N/A	N/A		
2	3'-0"x6'-8"	A	1 3/4"	H.M.	H.M.	N/A	N/A		
3	3'-0"x6'-8"	A	1 3/4"	H.M.	H.M.	N/A	N/A		
4	2'-0"x6'-8"	A	1 3/4"	H.M.	H.M.	N/A	N/A		

FINISH SCHEDULE									
ROOM NO.	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	MISC.
01	RESTROOM	F3	B2	W2	W2	W2	W2	C1	N/A
02	RESTROOM	F3	B2	W2	W2	W2	W2	C1	N/A
03	RESTROOM	F3	B1	W2	W2	W2	W2	C1	N/A
04	RESTROOM	F3	B1	W2	W2	W2	W2	C1	N/A
05	PLUMBING CHASE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
06	ALT. 4 CLASSROOM/OFFICE	F2	B1	W1	W1	W1	W1	C1	N/A

FLOOR TYPES									

FINISHES									
FLOOR FINISHES					WALL FINISHES				
F1 VINYL COMPOSITION TILE					W1 1/2" VINYL WRAPPED SOUND BOARD OVER 1/2" GYPSUM BD.				
F2 CARPETING					W2 1/8" NRP OVER 1/2" GYPSUM BOARD				
F3 SHEET VINYL									
BASE FINISHES					CEILING FINISHES				
B1 RUBBER COVE BASE					C1 SUSPENDED TYPICAL INSULATED ACoustic TILE MINORBOARD				
B2 COVERED SHI. VINYL									
REMARKS					MISCELLANEOUS FINISHES				
SEE PLAN FOR LOCATION OF FLOOR FINISHES									



FIXTURE SCHEDULE				
FIXTURE NO.	FIXTURE TYPE	MANUFACTURER	PART NO.	MOUNTING HEIGHT
1	H.C. WATER CLOSET	ELGER OR EQUAL		17" TO 19" IN SEAT
2	CHILD'S WATER CLOSET	ELGER OR EQUAL		10" TO 12" IN SEAT
3	PRE-SCH. WATER CLOSET	ELGER OR EQUAL		10" TO 12" IN SEAT
4	LAVATORY	ELGER OR EQUAL		24" MAX. TO TOP
5	H.C. URINAL	ELGER OR EQUAL		17" TO 19"
6	URINAL	ELGER OR EQUAL		24" MAX.
7	GRAB BAR			
8	MIRROR			
9	SOAP DISPENSER			
10	PAPER TOWEL			
11	SEAT PROTECTOR			
12				
13				
14				
15				

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 103677
DATE OCT 23 2001
FILE NO. 02-101741
DATE MAR 28 2000

12 X 40 RELOCATABLE

American Modular Systems

333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

REGISTERED ARCHITECT
STATE OF CALIFORNIA
0-1001
02/02
RENEWAL DATE

CUSTOMER: _____

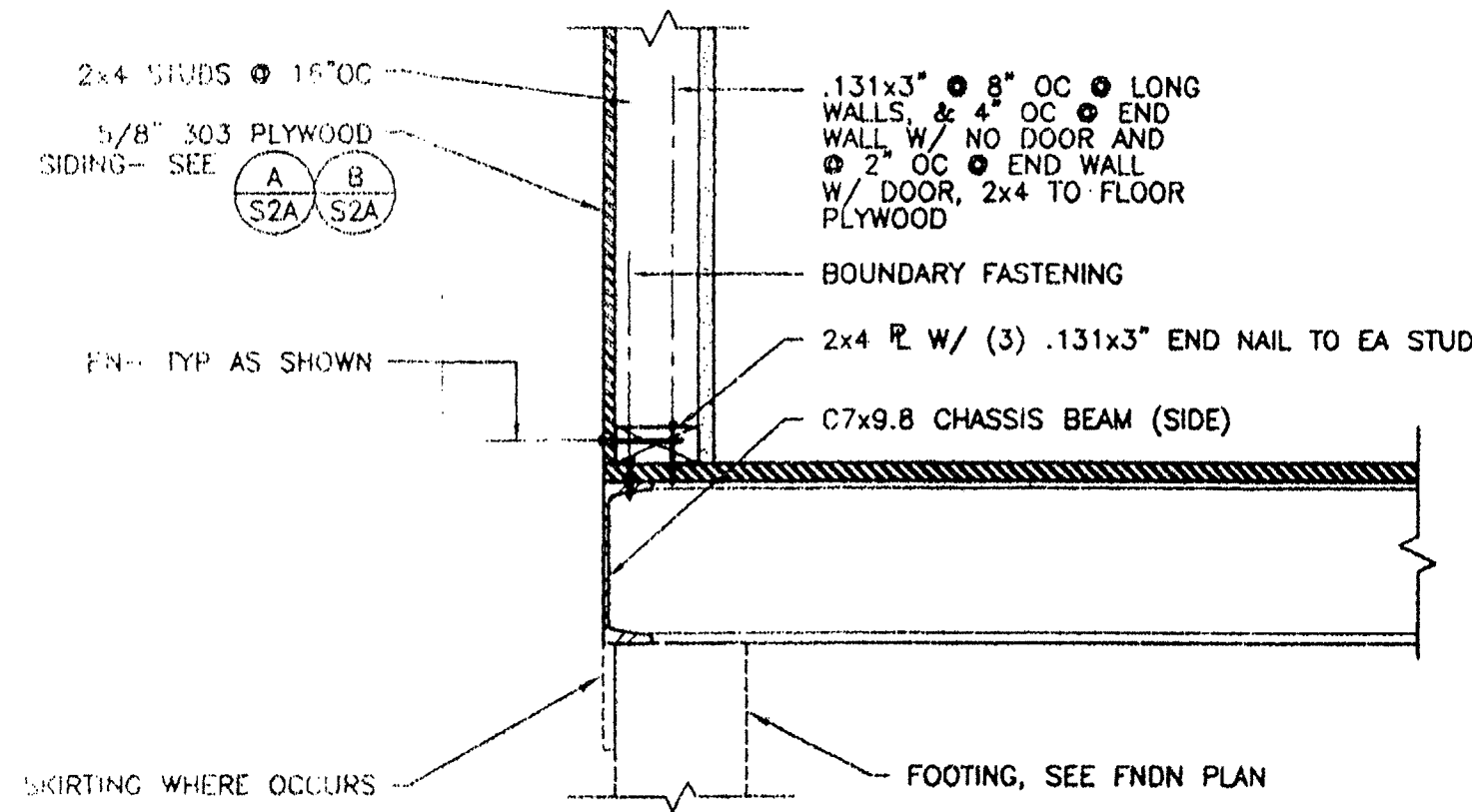
DATE: 03-23-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY: _____
SERIAL NO. _____

INTERIOR ELEVATIONS

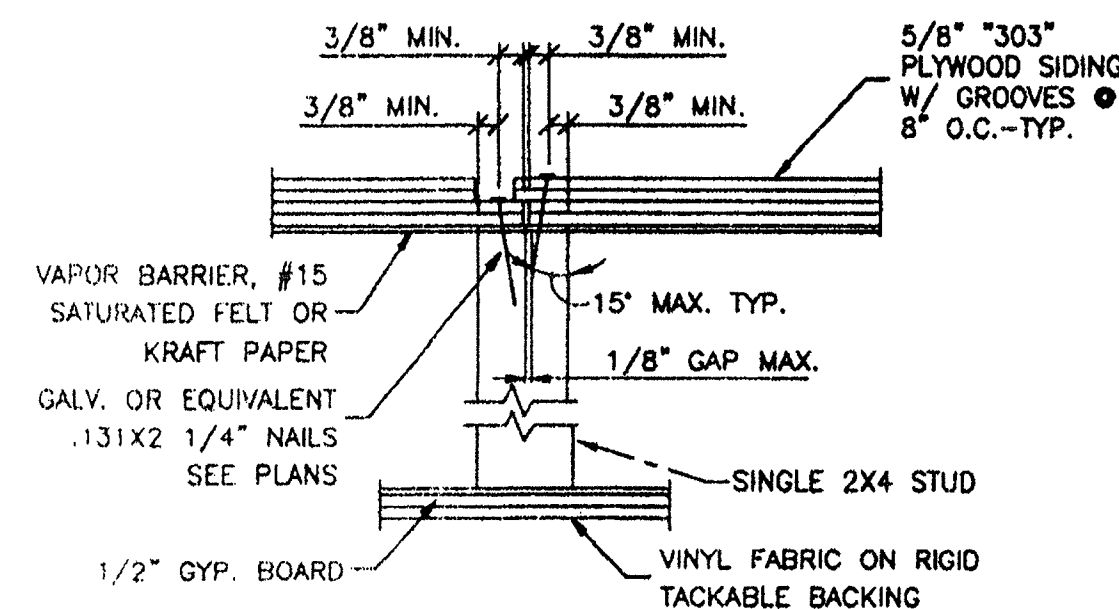
REVISIONS

NO.	DATE	DESCRIPTION

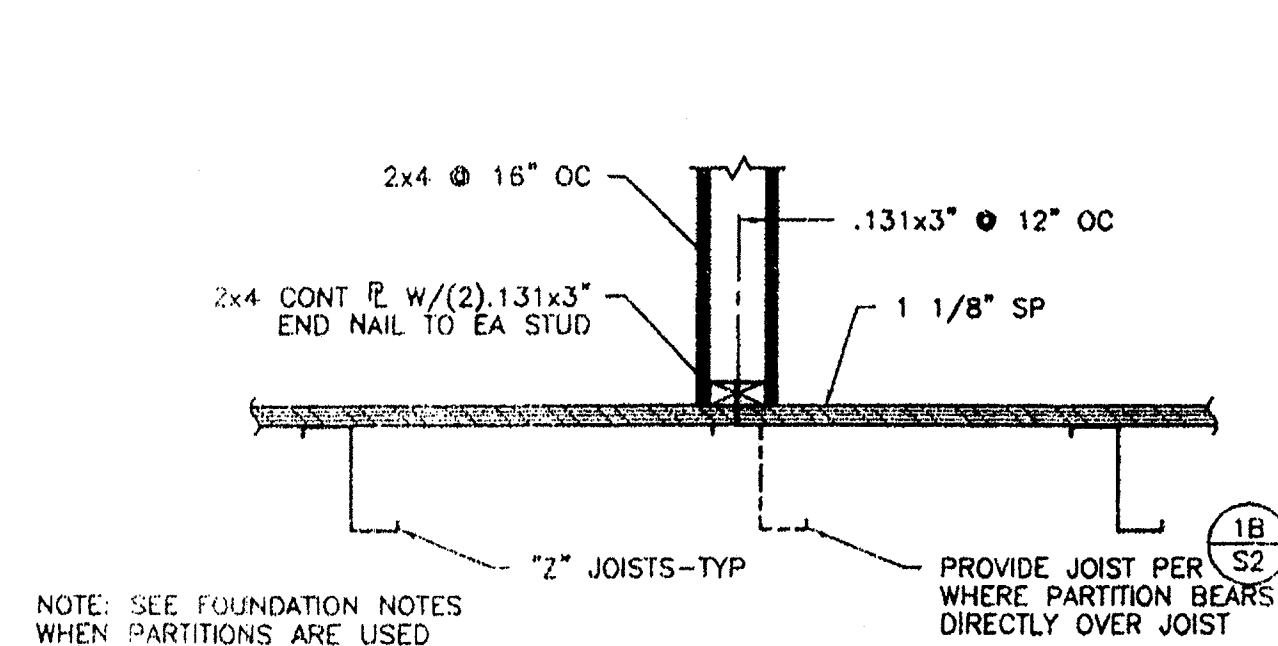
PROJECT NO. _____
SHEET NO. 4



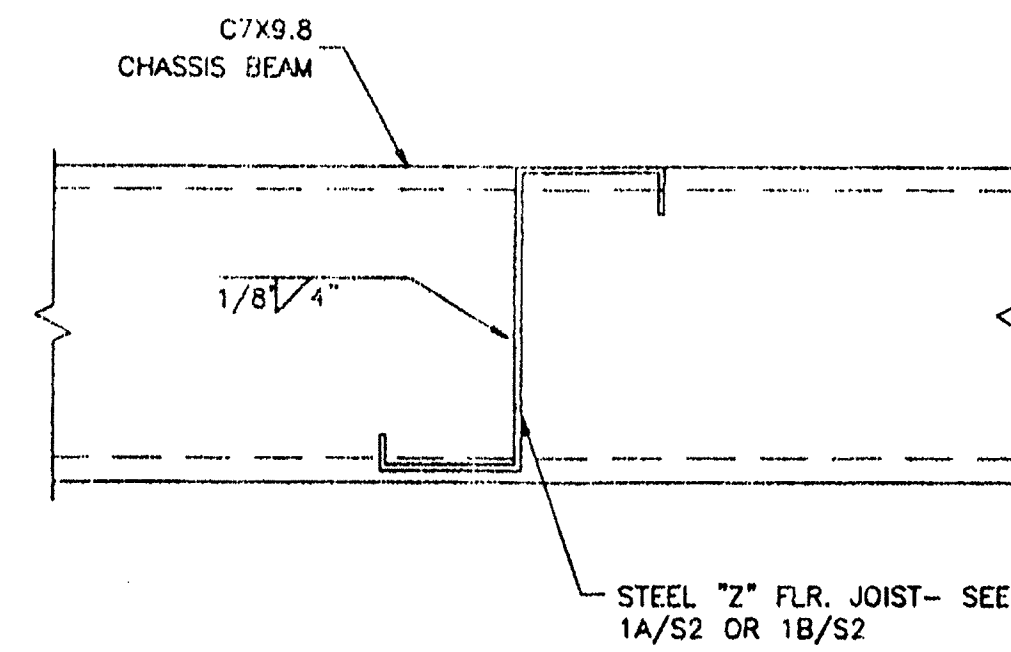
3
S2
1 1/2" = 1'-0"



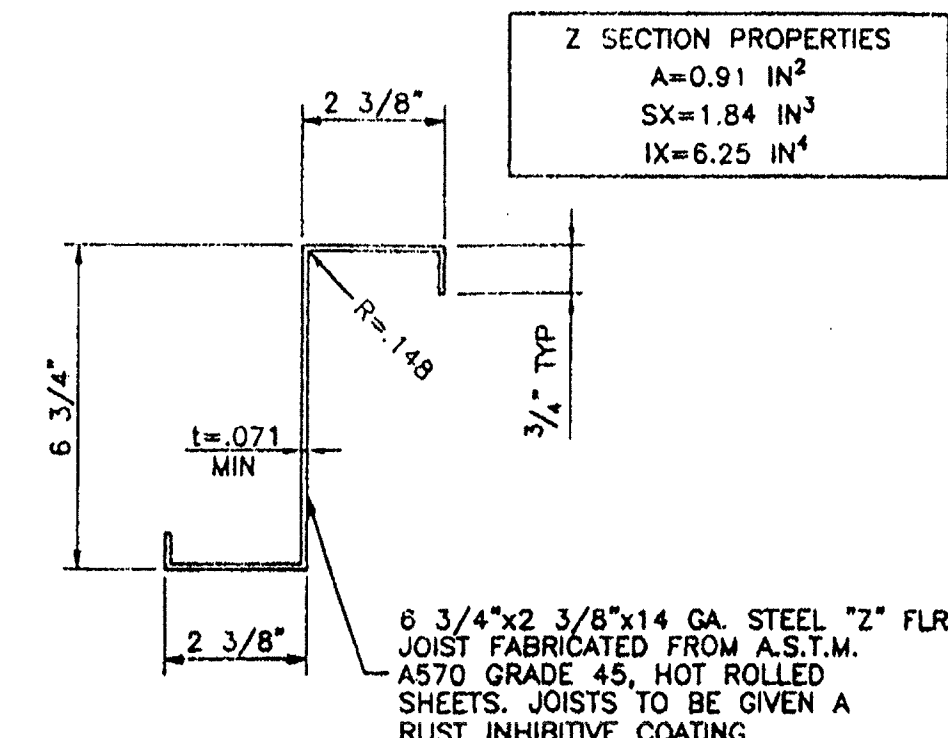
4
S2
NO SCALE



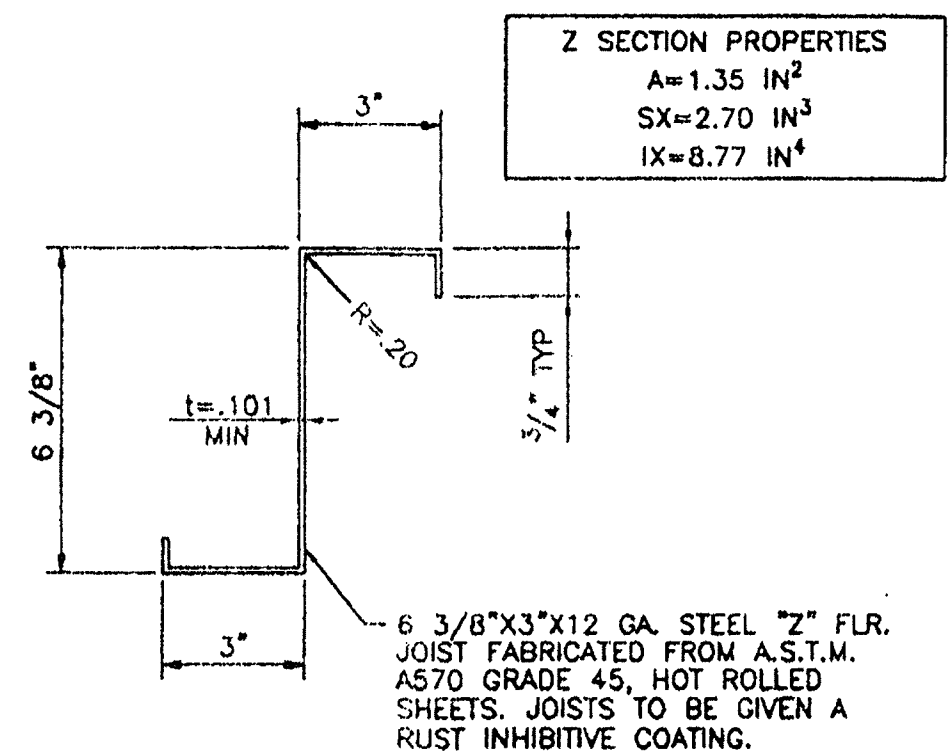
5
S2
1" = 1'-0"



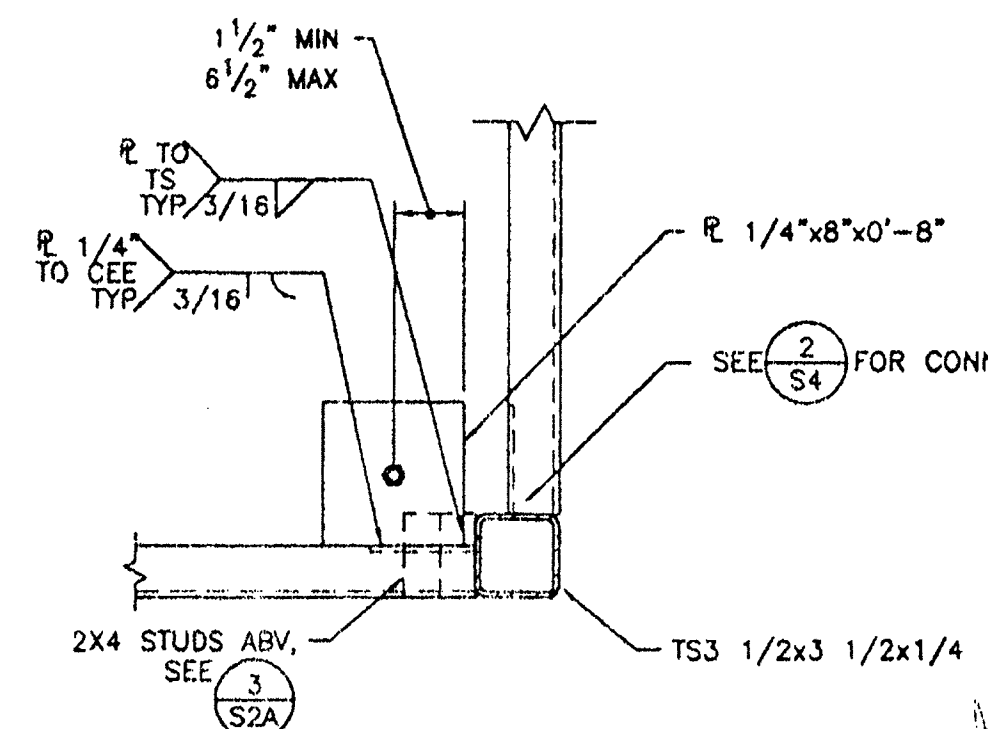
1
S2
NO SCALE



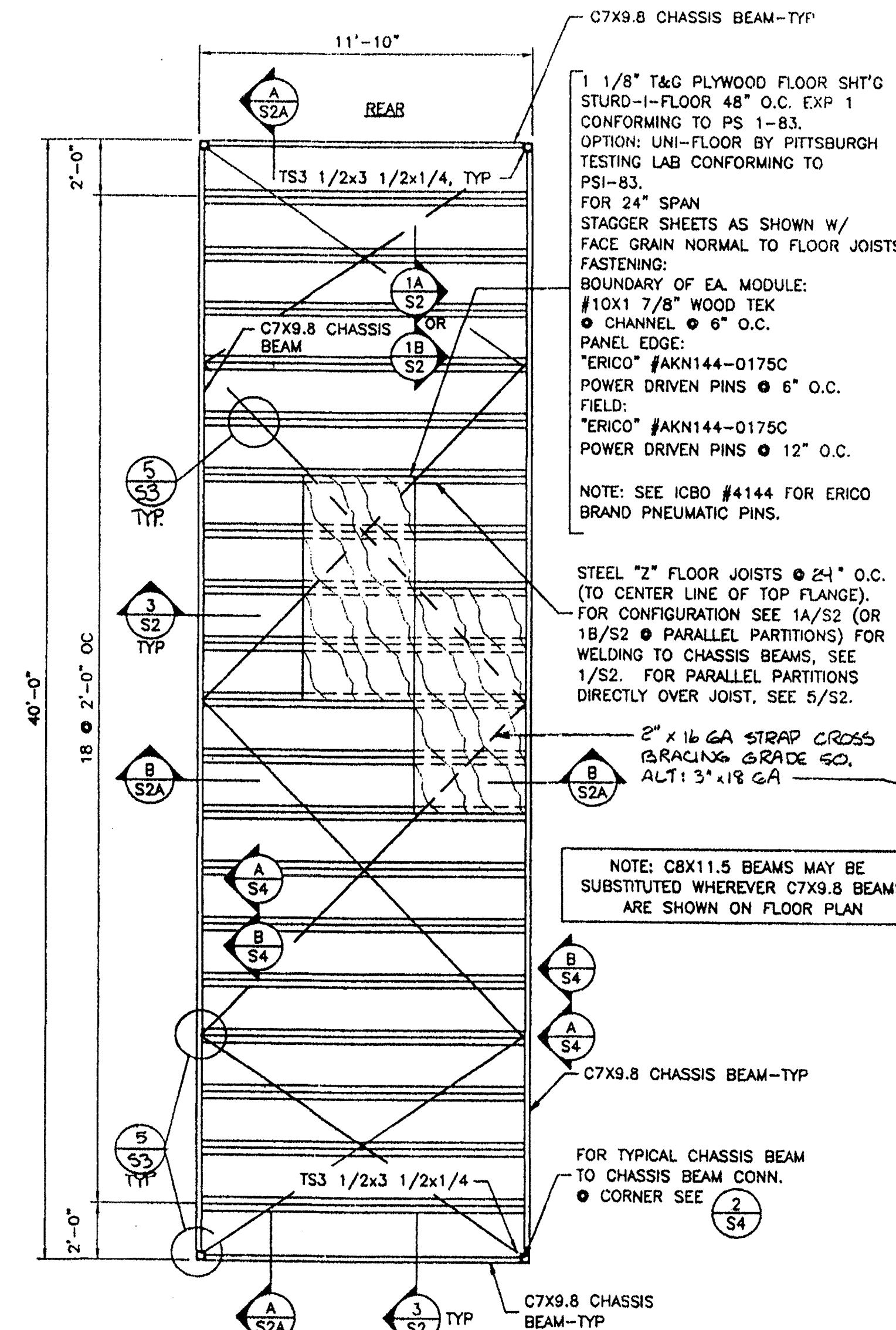
1A
S2
NO SCALE



1B
S2
NO SCALE

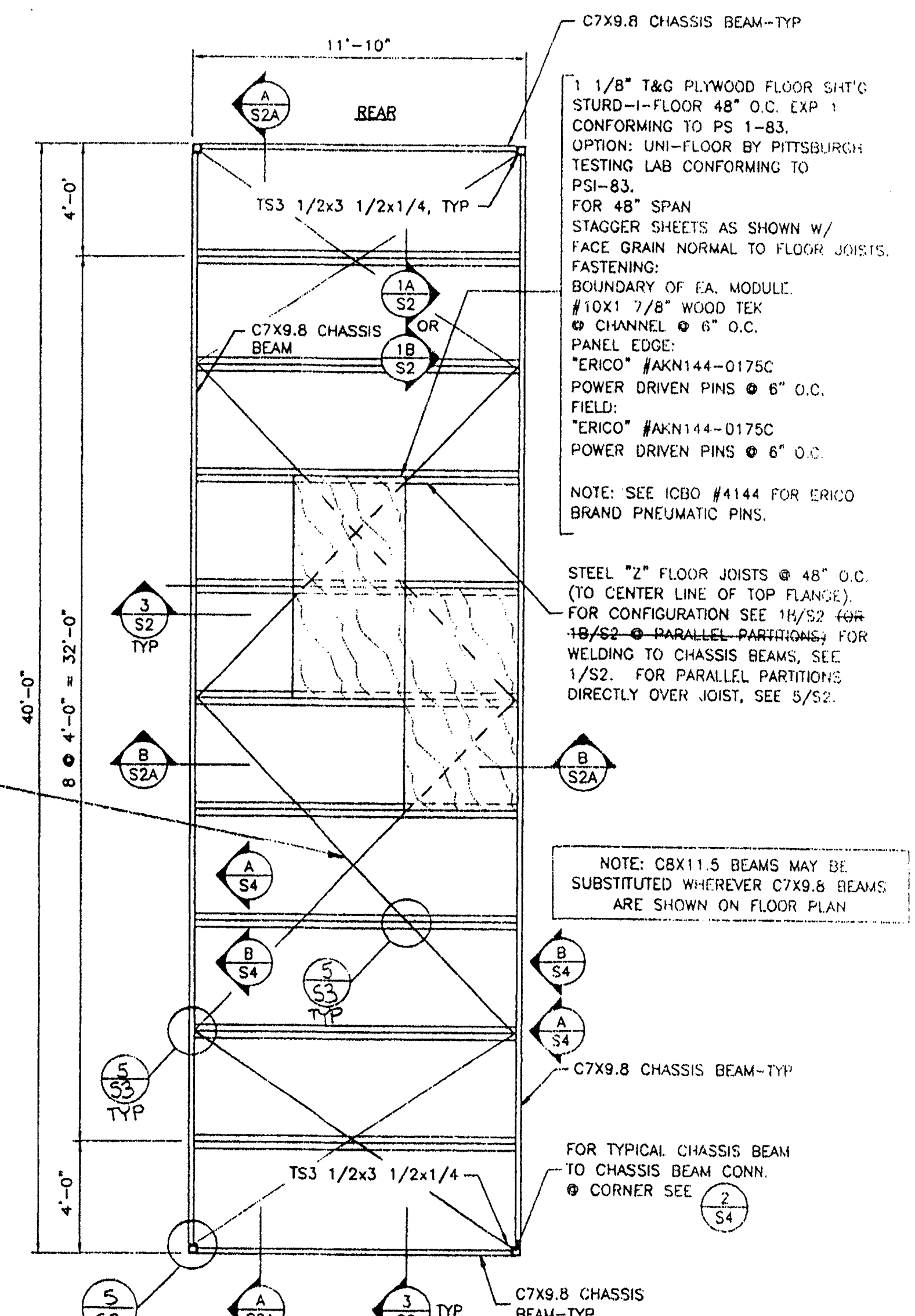


2
S2
NO SCALE



NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

ALTERNATE 2'-0" OC
FLOOR FRAMING PLAN
1/4" = 1'-0"



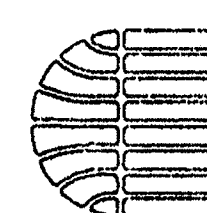
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

FLOOR FRAMING PLAN
1/4" = 1'-0"

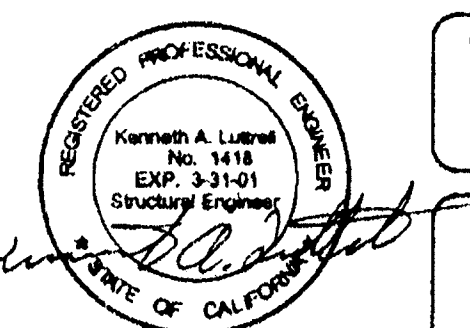
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 103677
AC: PLS
DATE: OCT 28 2001

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101741
AC: PLS
DATE: MAR 28 2000

50 PSF FLOOR LIVE LOAD



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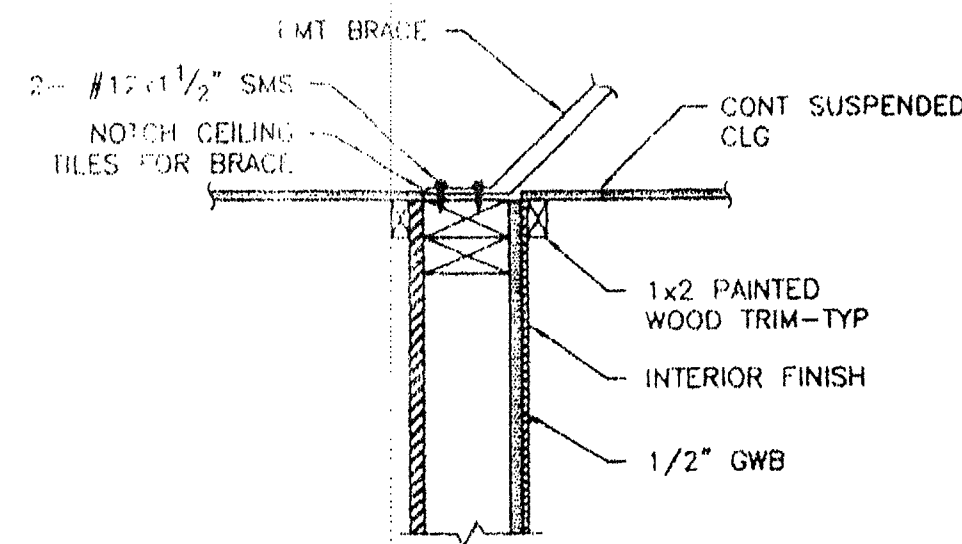
CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS
50 PSF FLOOR LOAD

DATE: 15 DECEMBER 99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDR
CHECKED BY: KAL
SERIAL NO.

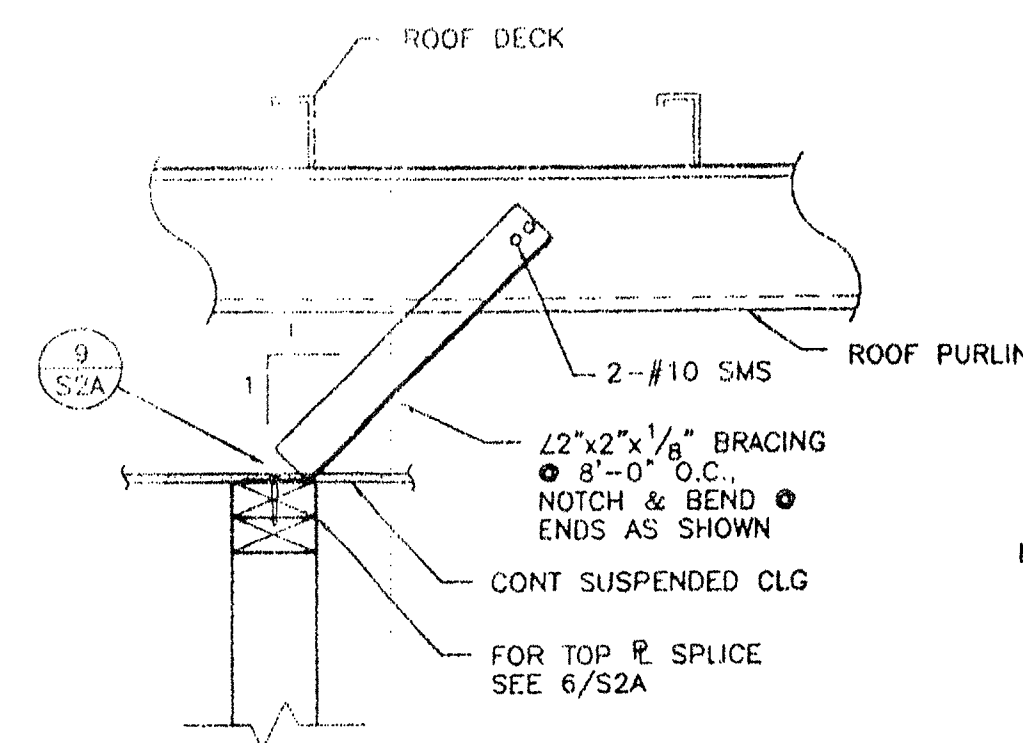
REVISIONS			
NO	DATE	DESCRIPTION	NO

PROJECT NO.
99175
SHEET NO.
S2

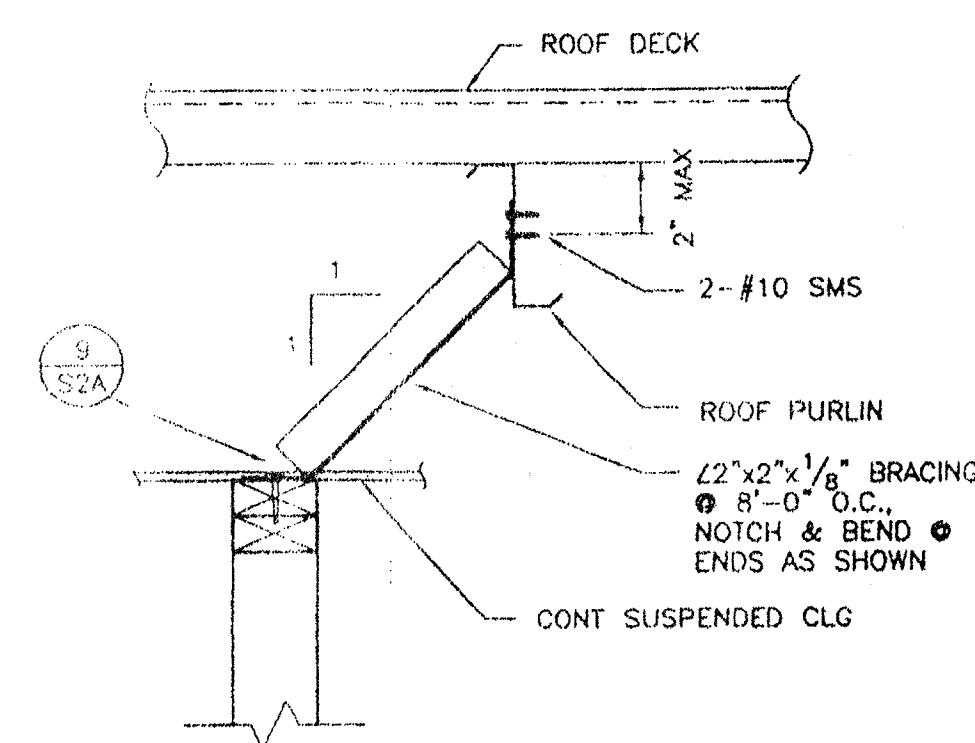


WALL FRAMING
DETAIL

7
S2A
1 1/2" = 1'-0"



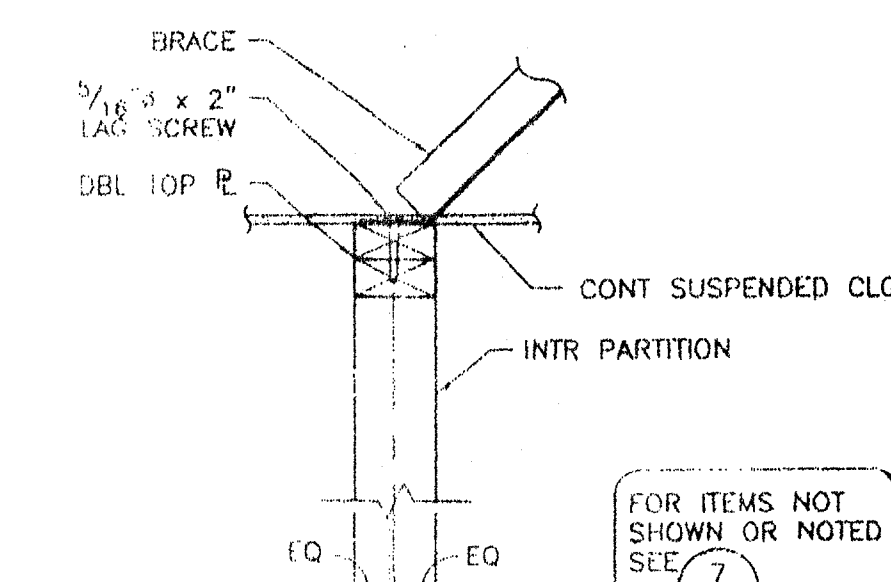
BRACE PARALLEL TO PURLINS



BRACE PERPENDICULAR TO PURLINS

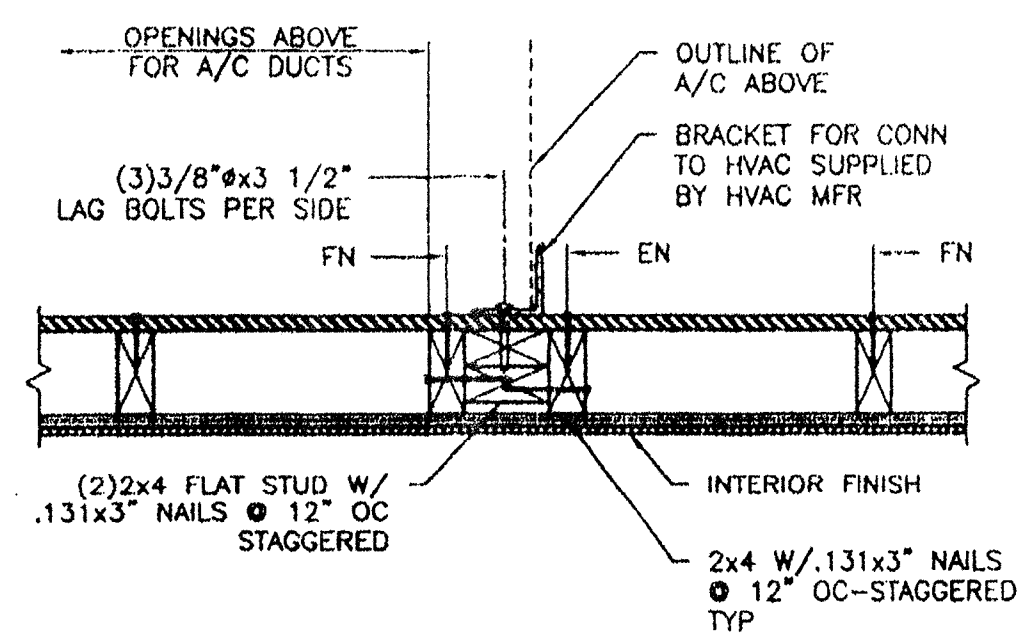
ALT. WALL FRAMING
DETAIL

8
S2A
1 1/2" = 1'-0"



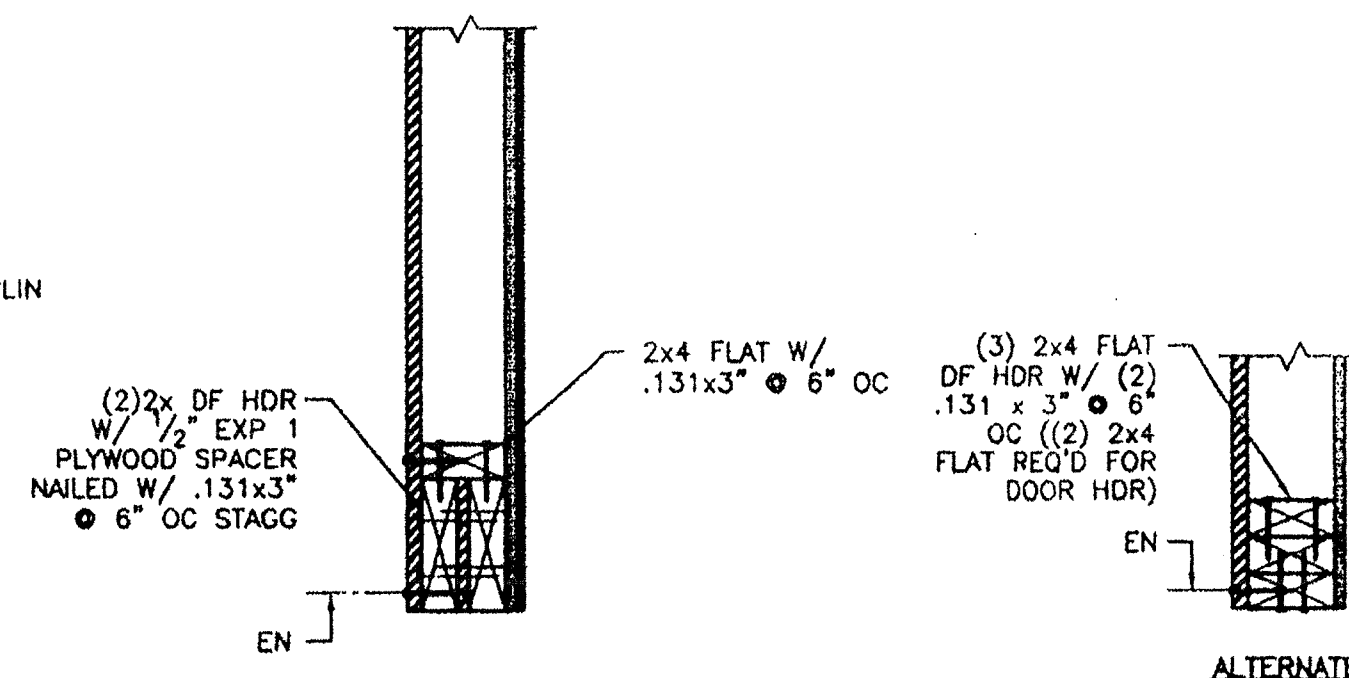
WALL FRAMING
DETAIL

9
S2A
1 1/2" = 1'-0"



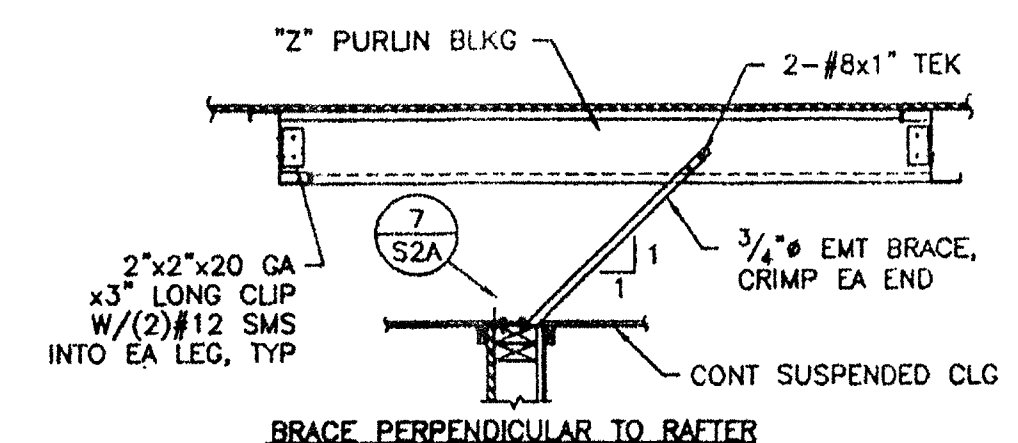
WALL FRAMING
PLAN DETAIL

4
S2A
1 1/2" = 1'-0"

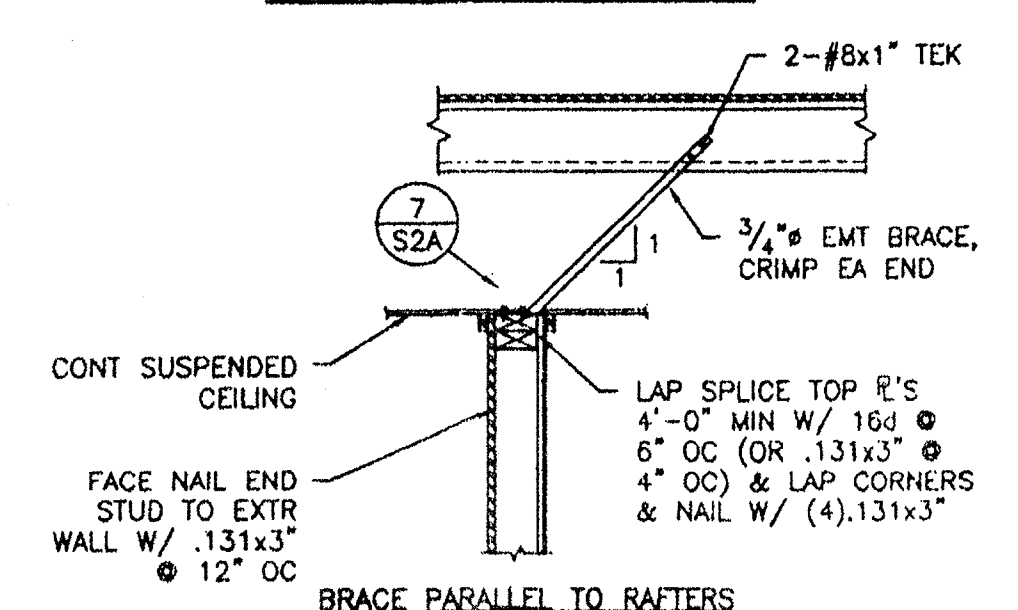


WALL FRAMING
DETAIL

5
S2A
1 1/2" = 1'-0"



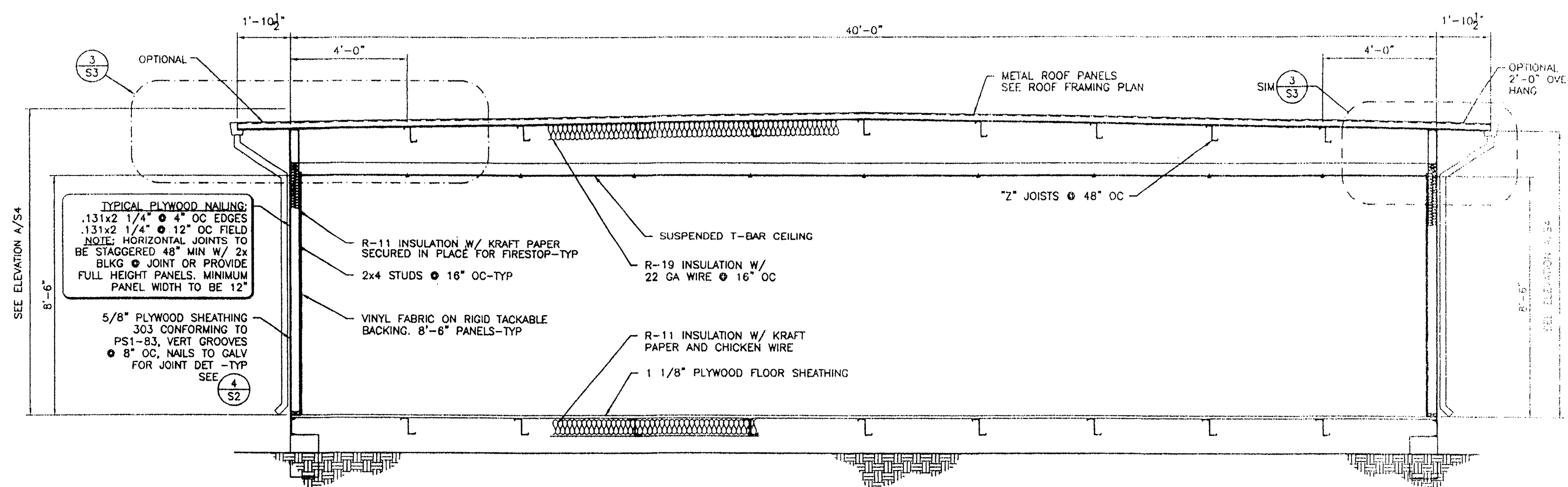
BRACE PERPENDICULAR TO RAFTER



WALL FRAMING
DETAIL

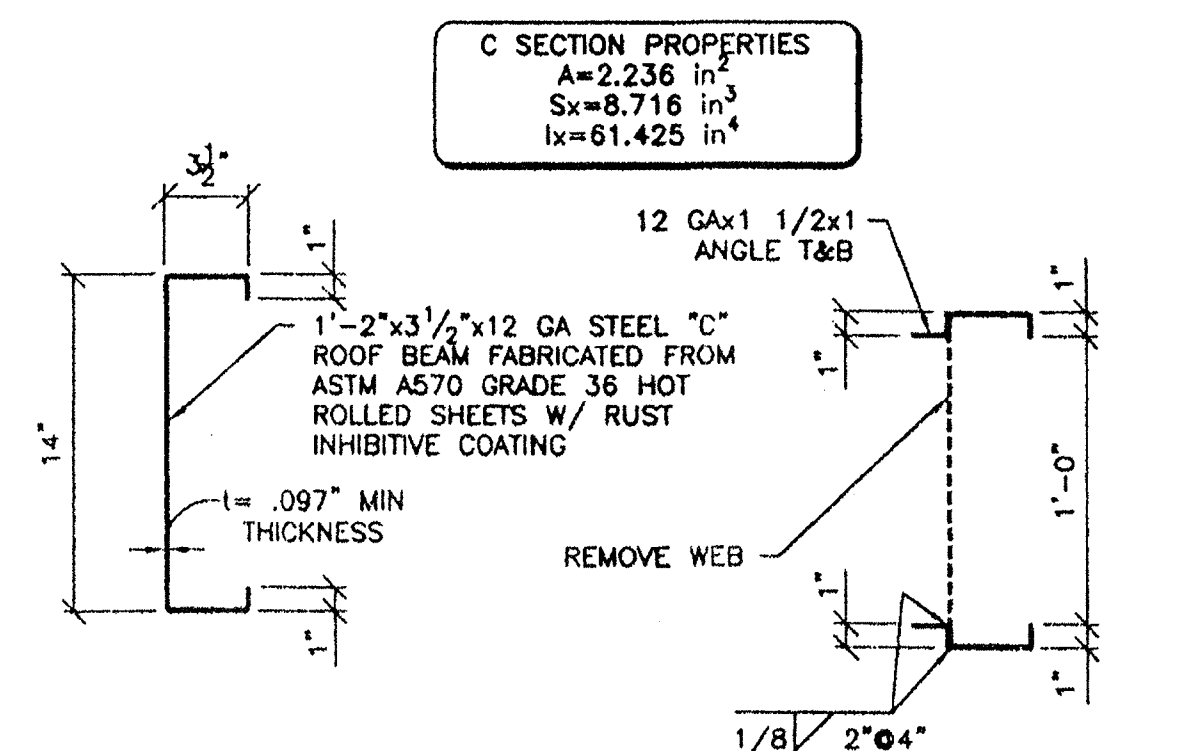
6
S2A
NO SCALE

NOTE:
TOP R MUST BE BRACED @ 8'-0" OC MAX & LAP SPLICES BY
EITHER AN INTERSECTING WALL OR WITH AN EMT BRACE TO THE RAFTERS.



TYPICAL LONGITUDINAL SECTION

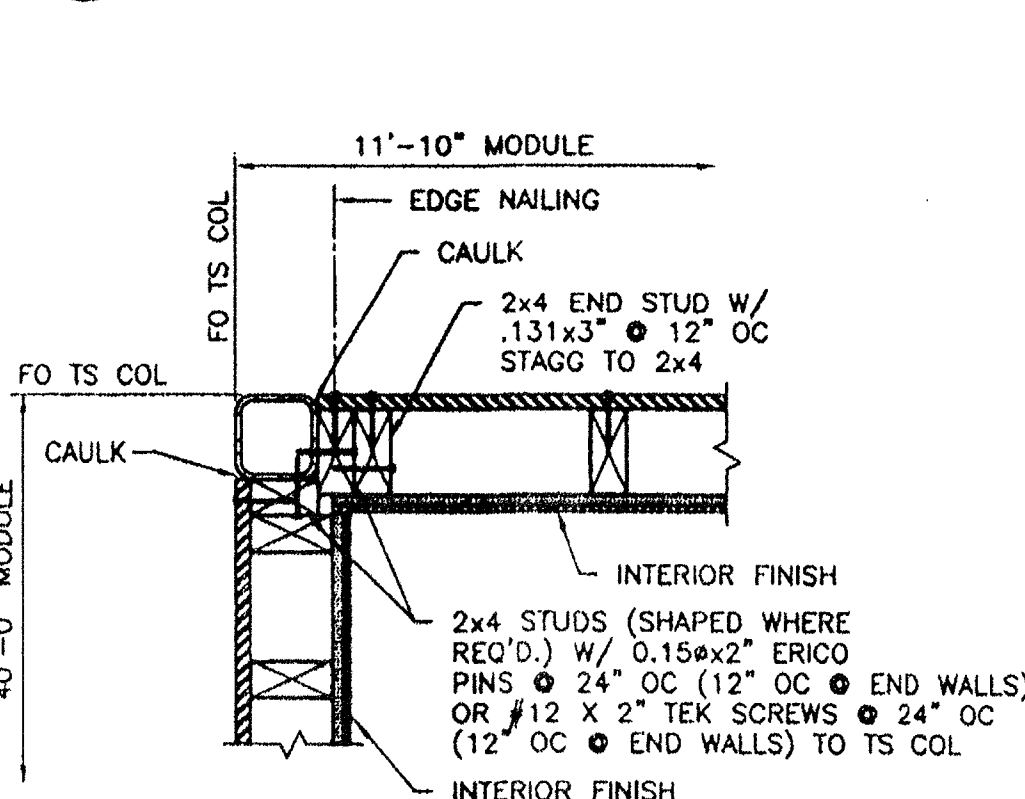
A
S2A
3/8" = 1'-0"



TYPICAL SECTION

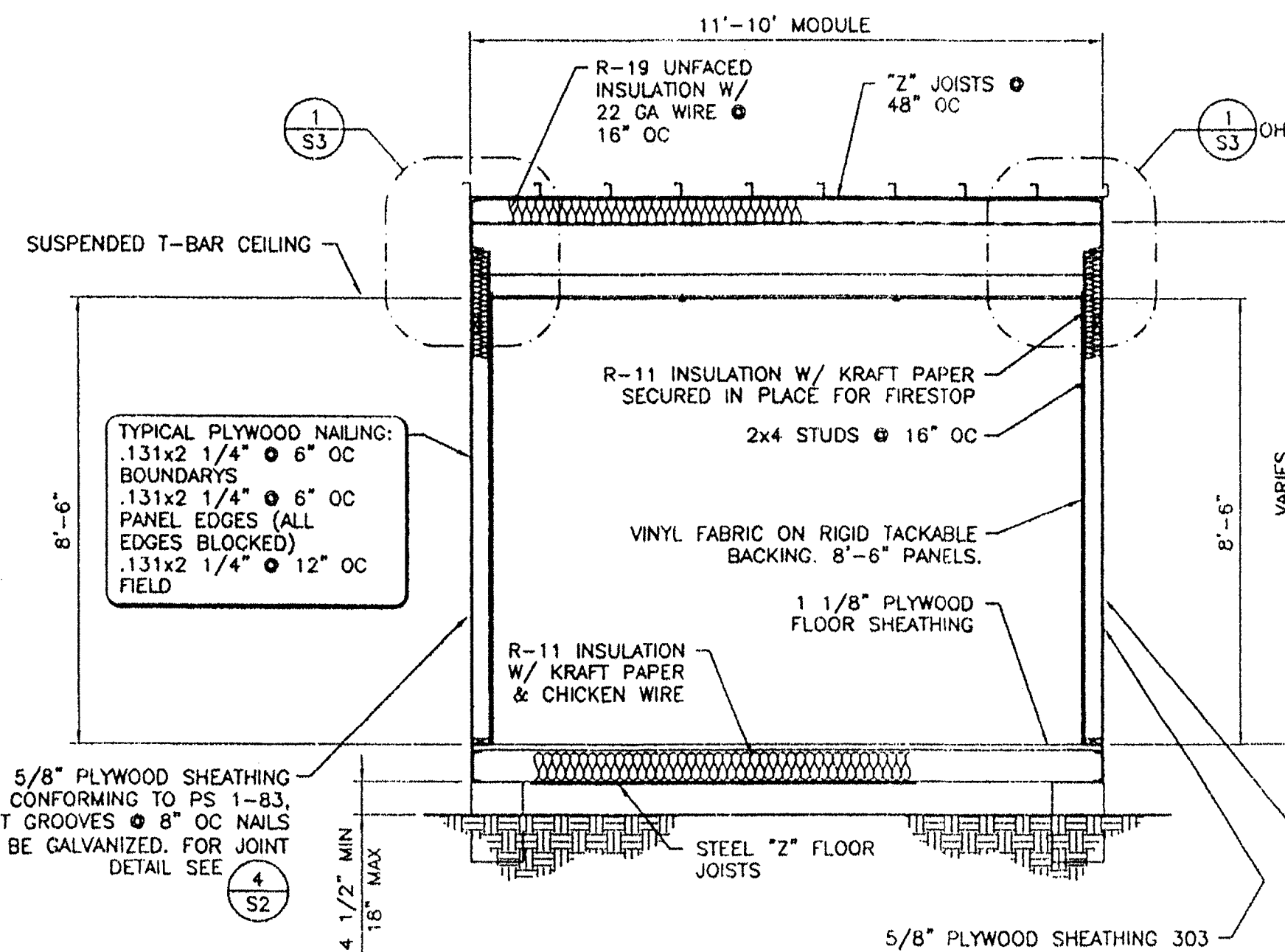
SECTION @ DUCT OPENING

1
S2A
1 1/2" = 1'-0"



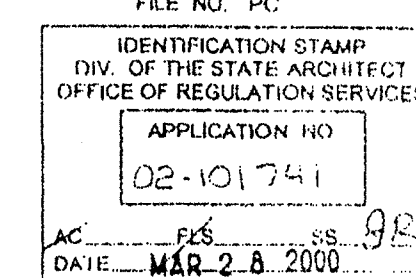
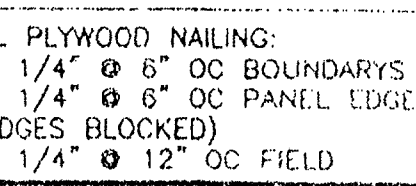
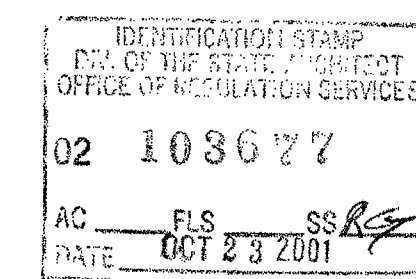
WALL FRAMING
PLAN DETAIL

3
S2A
1 1/2" = 1'-0"



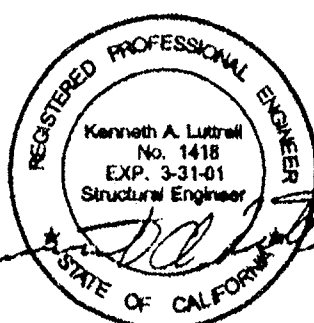
TYPICAL TRANSVERSE SECTION

B
S2A
3/8" = 1'-0"



BGH PROJECT NO. 200019.31

**American
Modular Systems**



CUSTOMER:

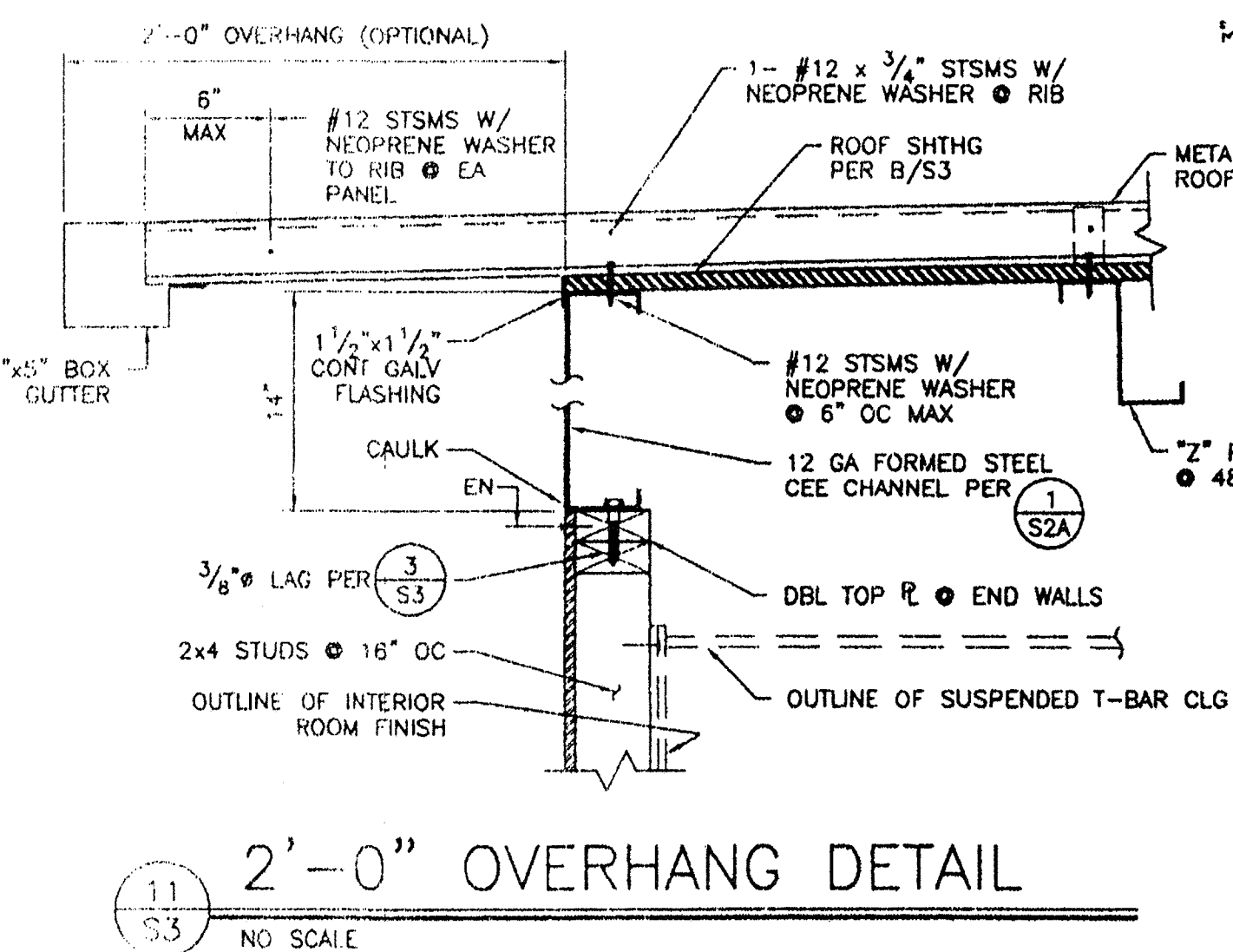
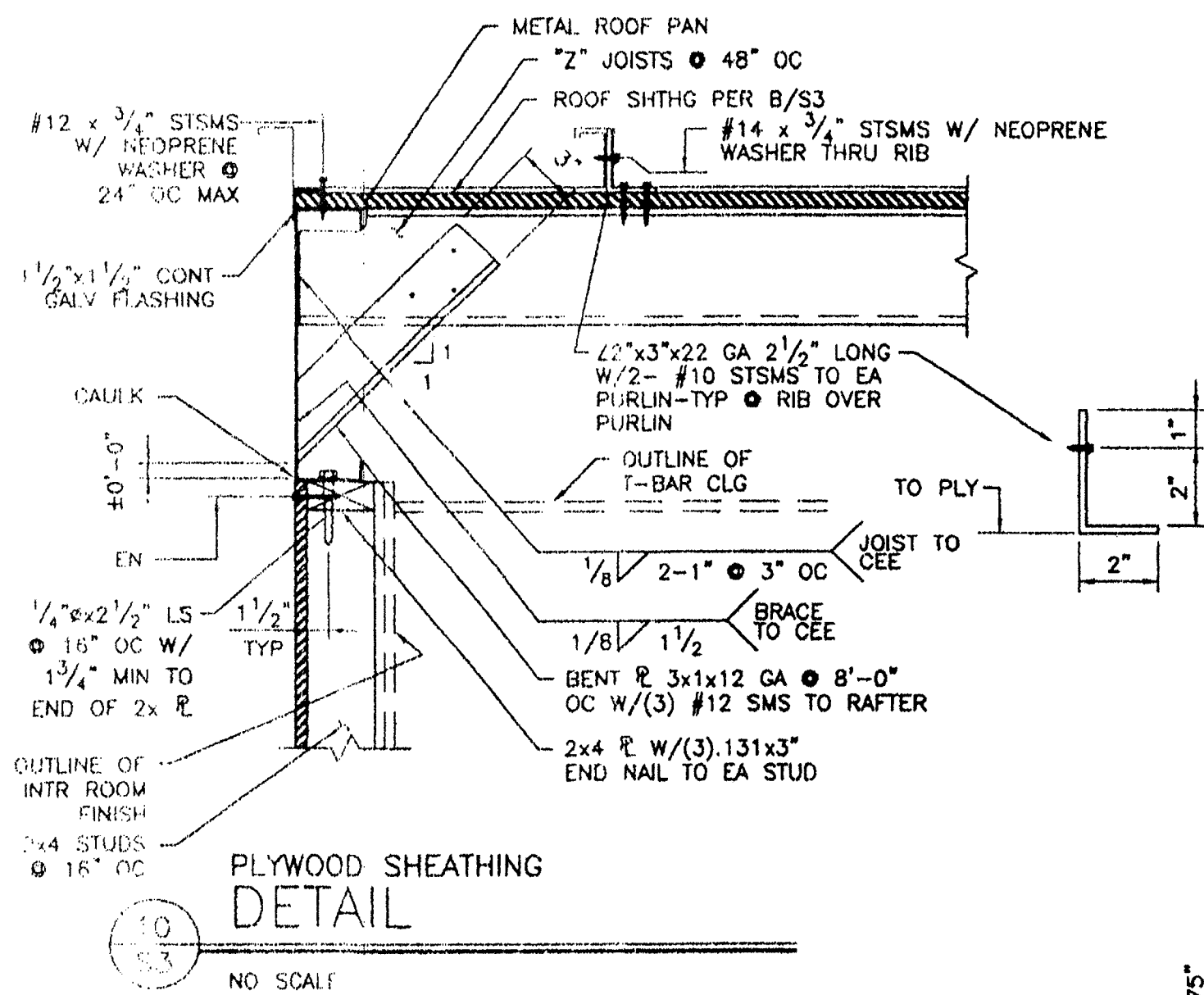
BUILDING SECTIONS
AND WALL DETAILS

DATE: 15 DECEMBER 99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

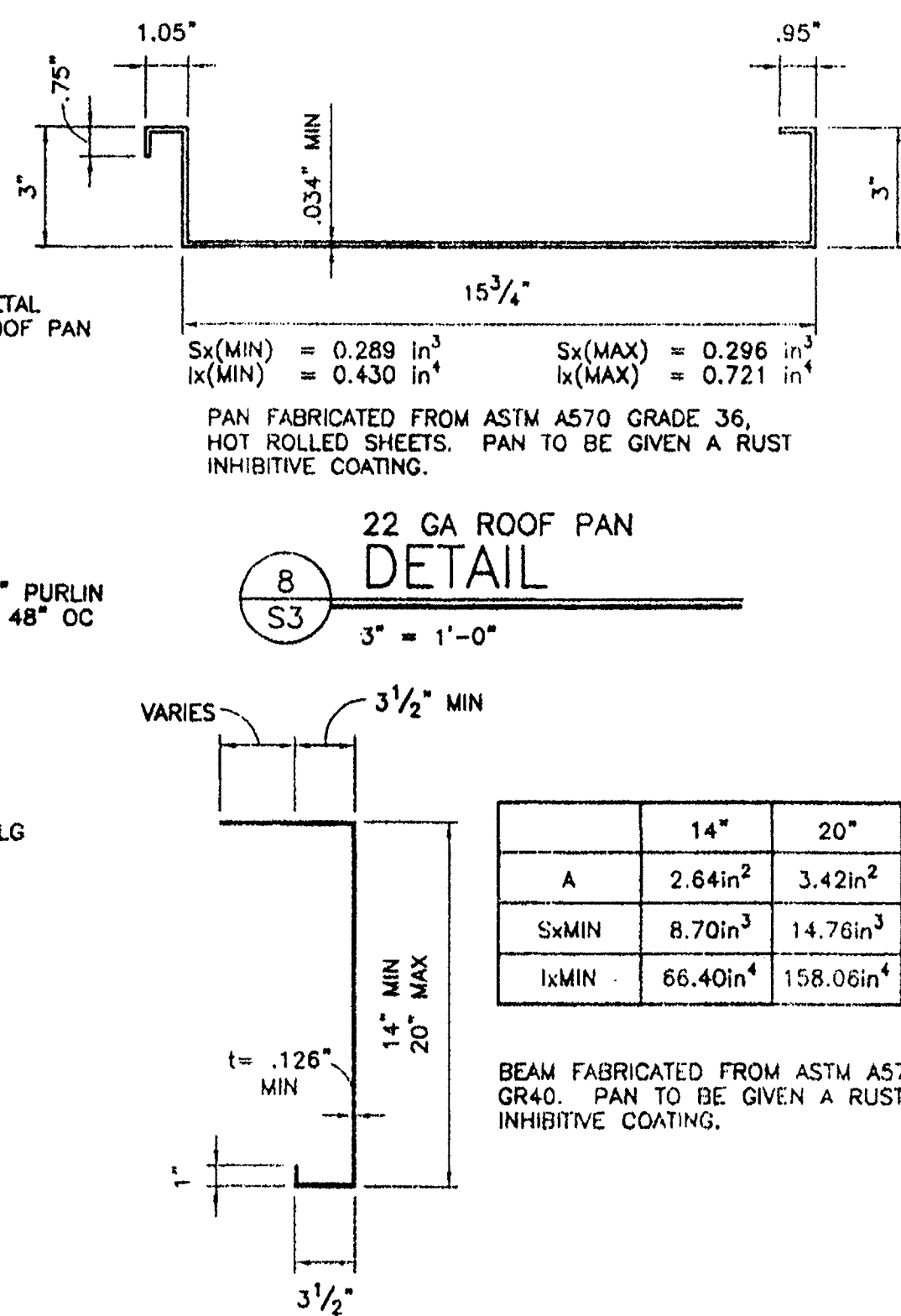
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT NO.
99175
SHEET NO.
S2A

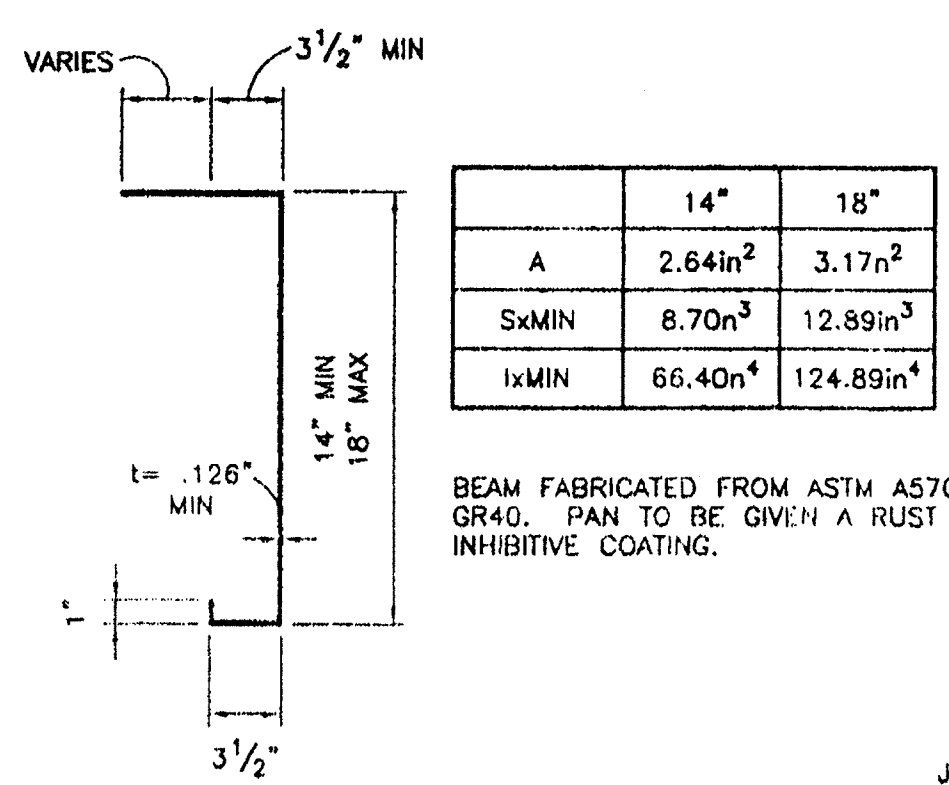
12 x 40
RESTROOM



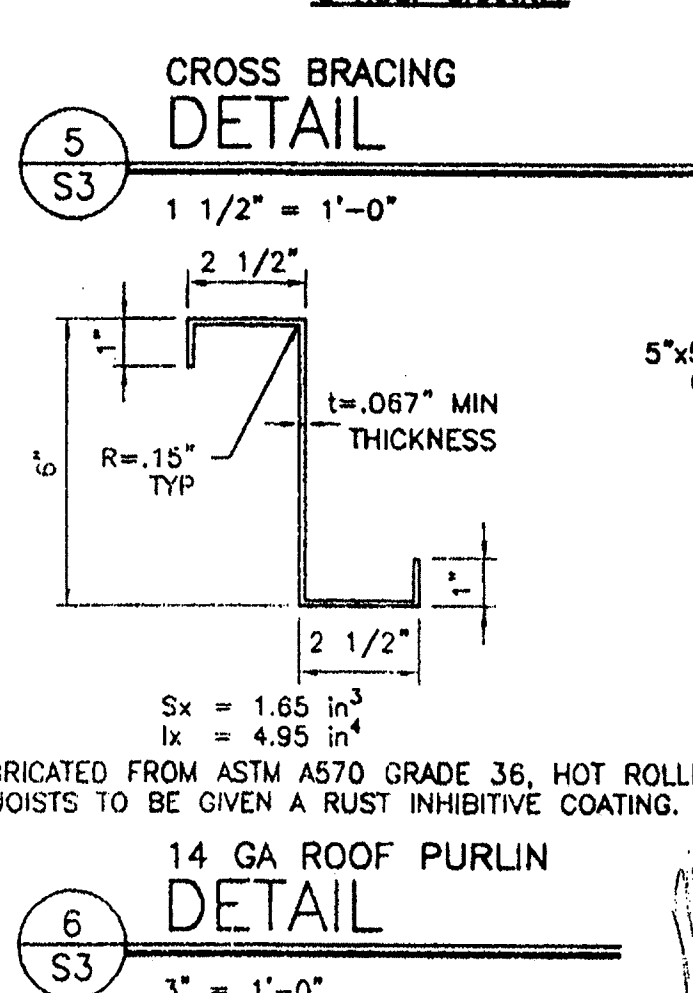
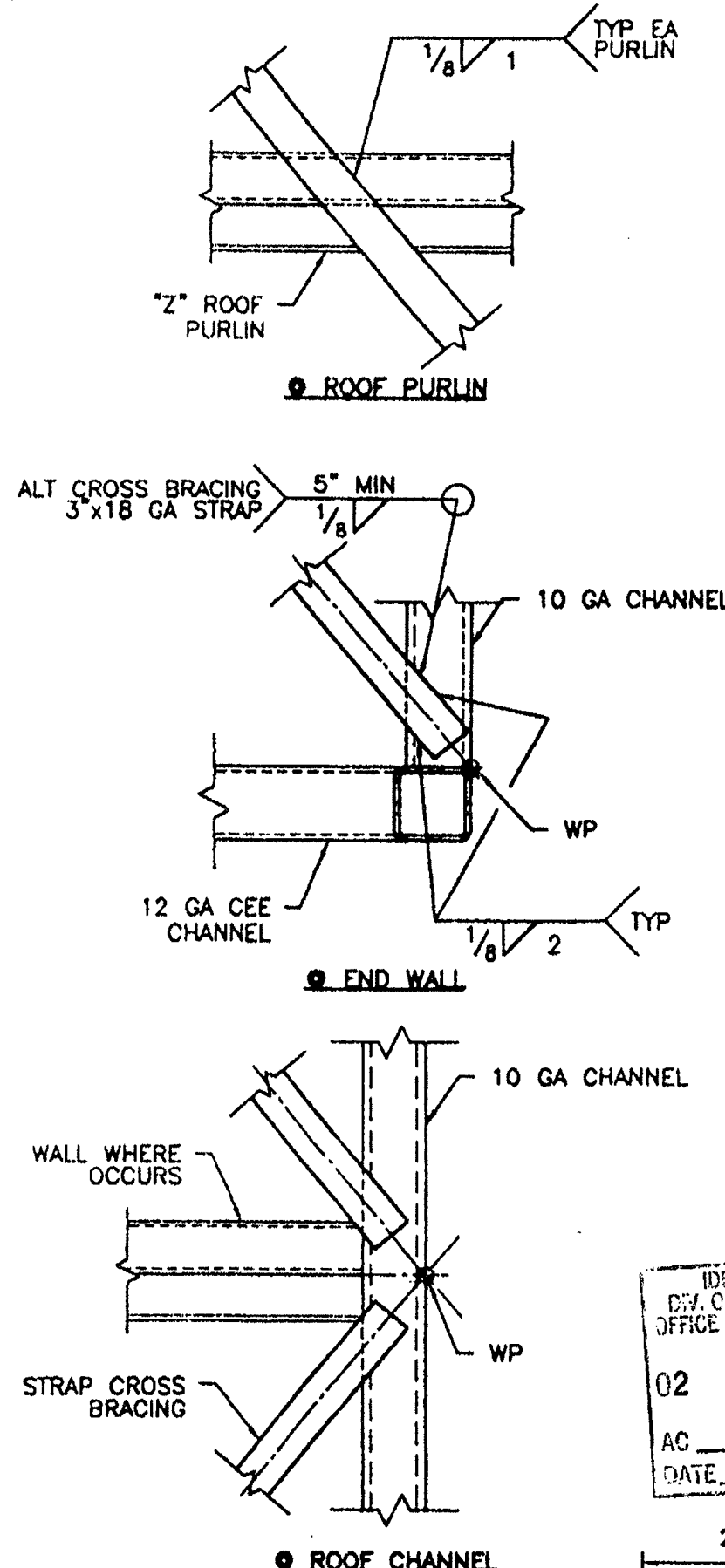
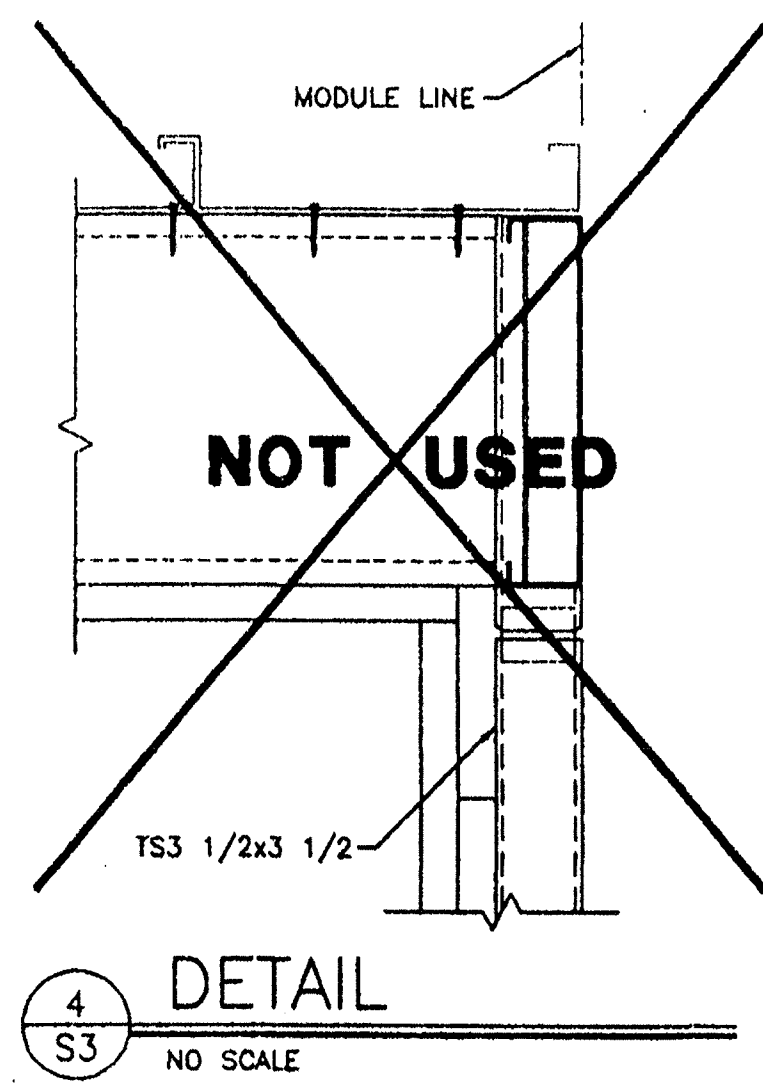
ALTERNATE 12 GA ROOF PURLIN
DETAIL
7 S3
3' = 1'-0"



MONO PITCH 10 GA ROOF BM
DETAIL
9 S3
1 1/2\"/>

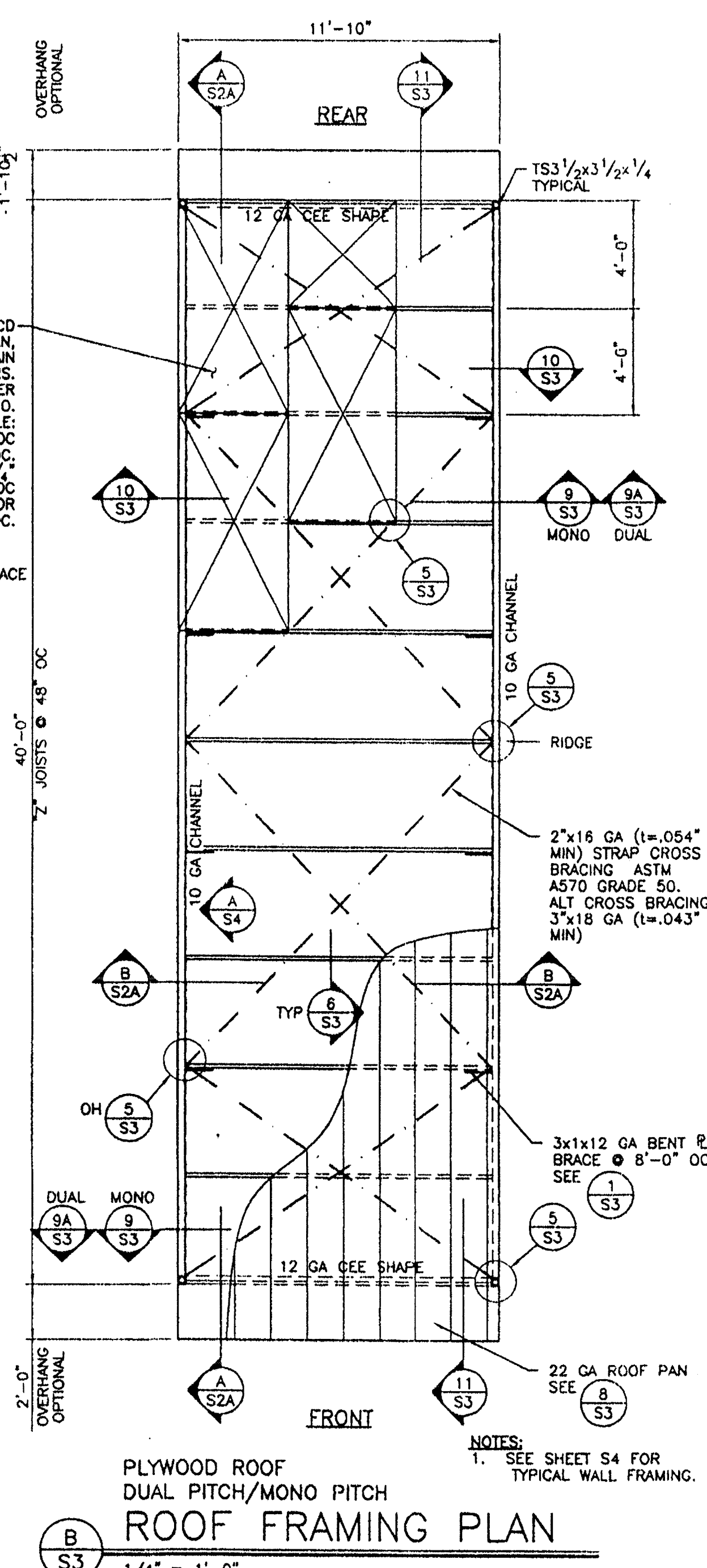


DUAL PITCH 10 GA ROOF BM
DETAIL
9A S3
1 1/2\"/>

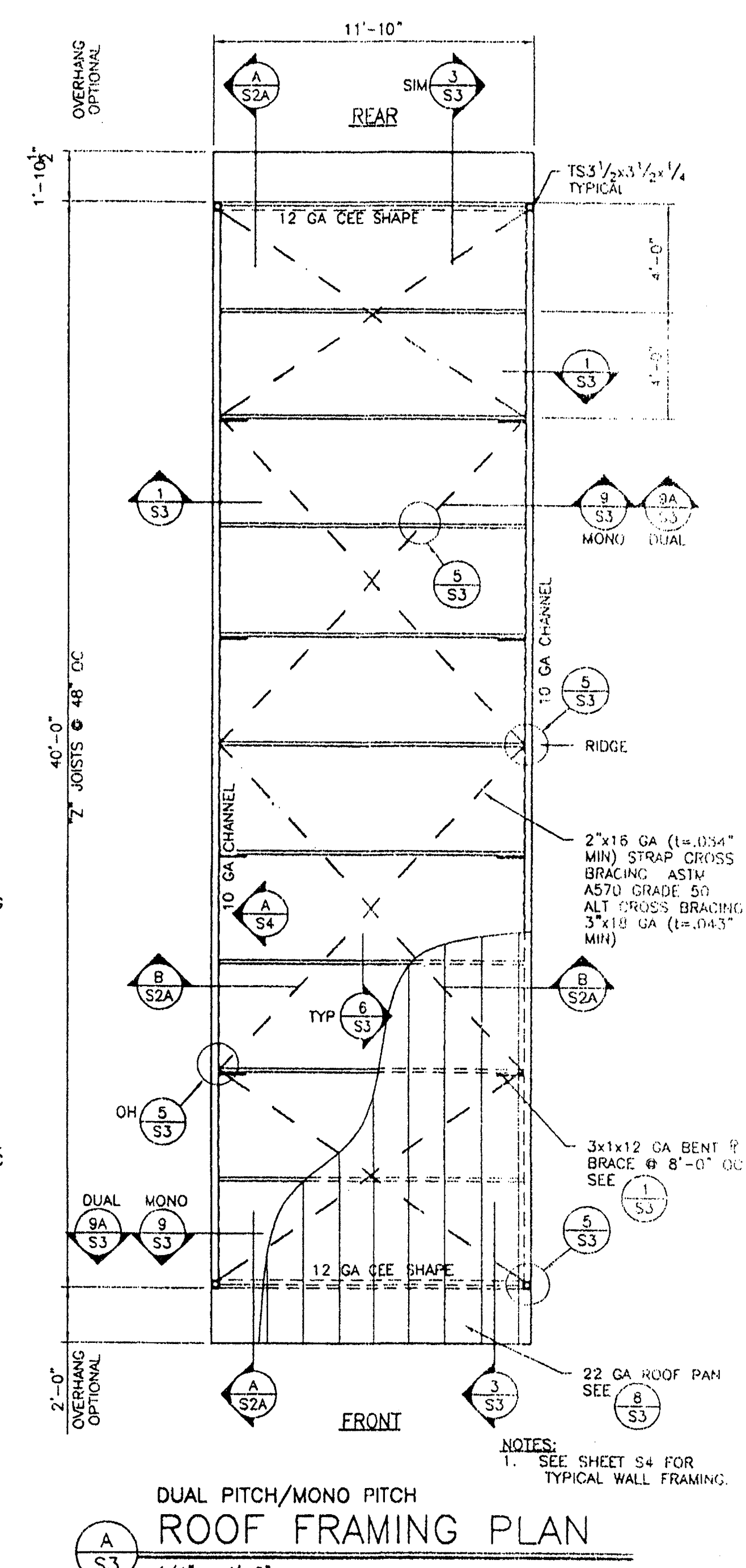


3/4\"/>

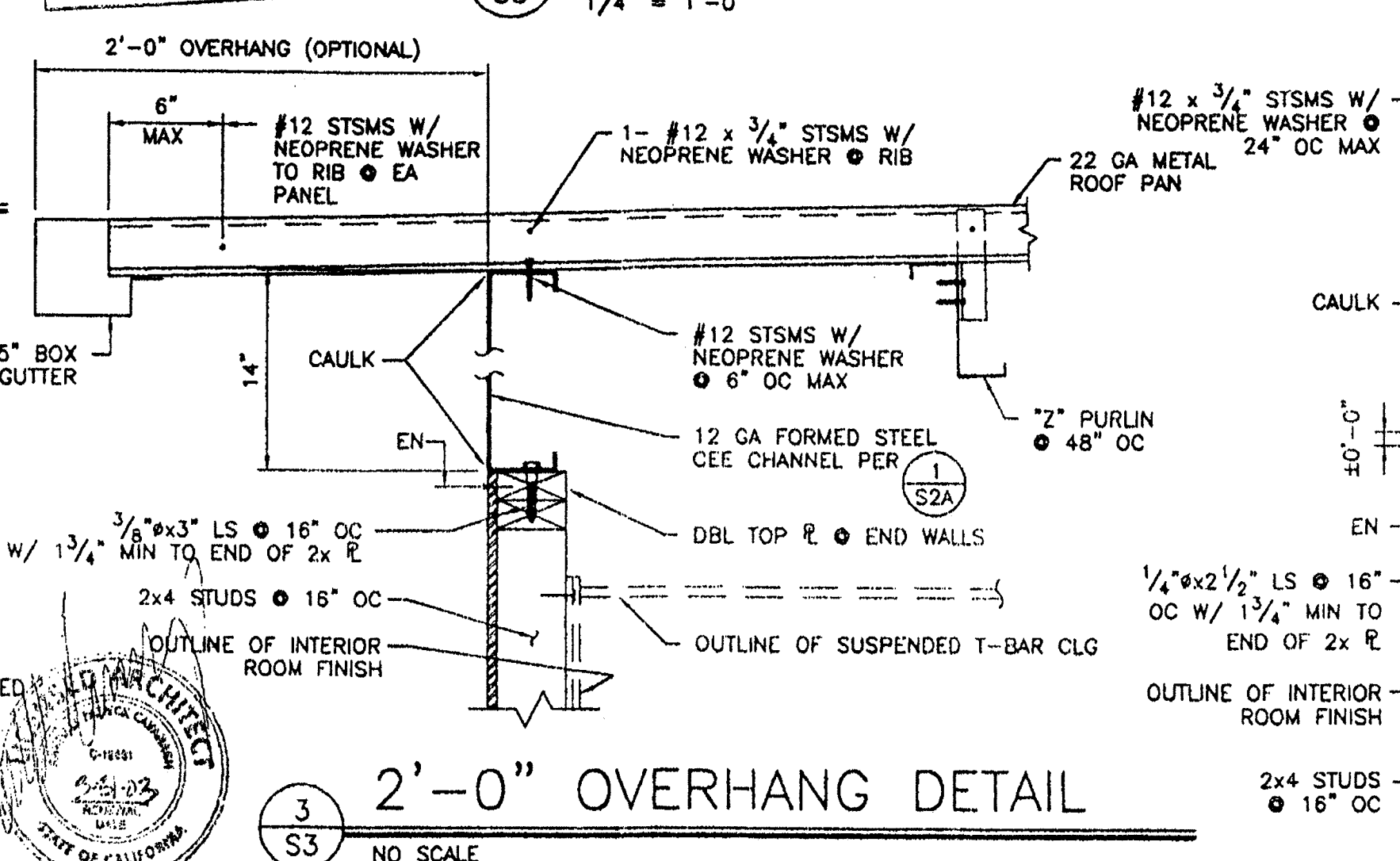
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 103677
AC FLS
DATE OCT 2 8 2000



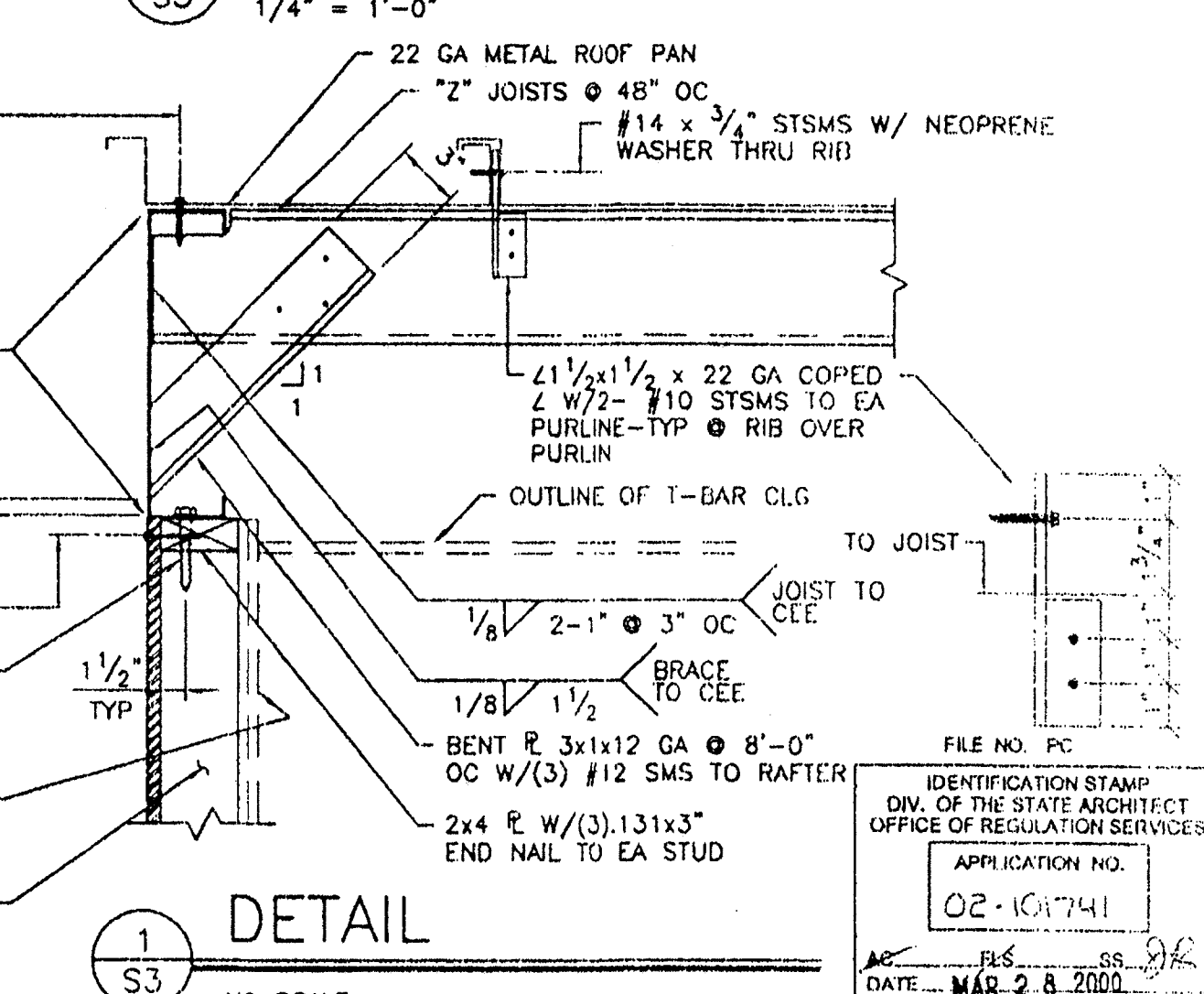
FRONT ROOF FRAMING PLAN
B S3
1/4\"/>



FRONT ROOF FRAMING PLAN
A S3
1/4\"/>



2'-0\"/>



DETAIL
1 S3
NO SCALE

12 x 40
RESTROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Lott
No. 418
EXP. 3-31-01
Structural Engineering
STATE OF CALIFORNIA

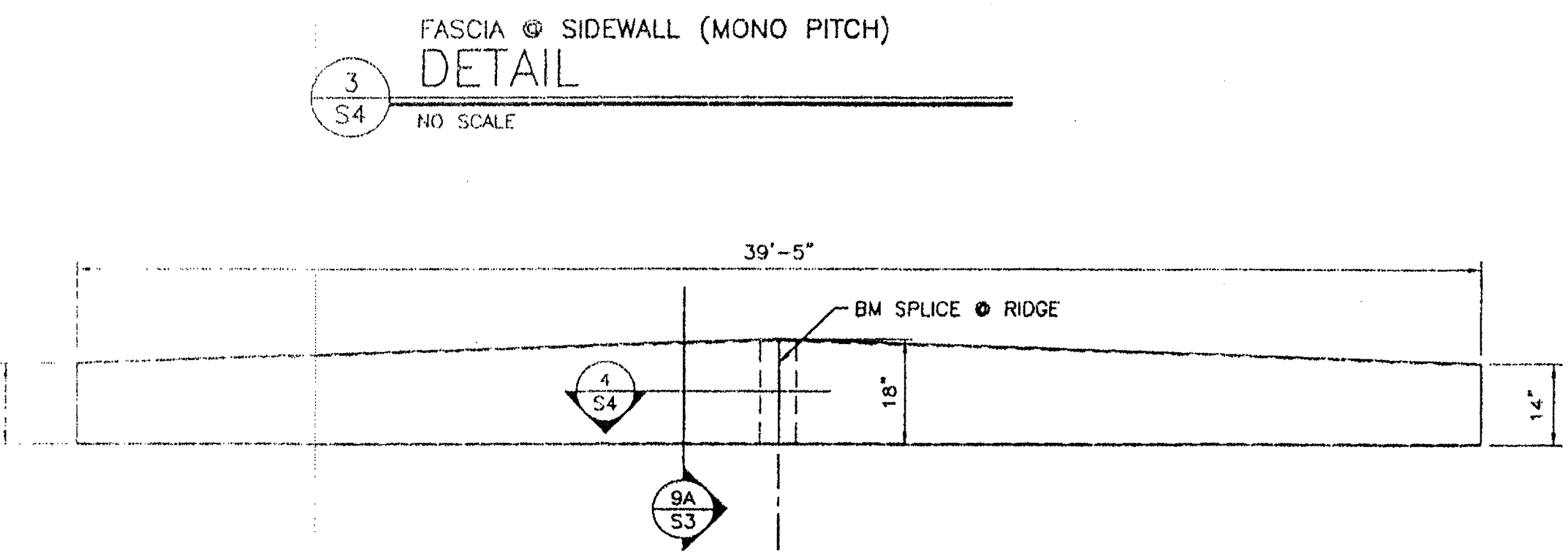
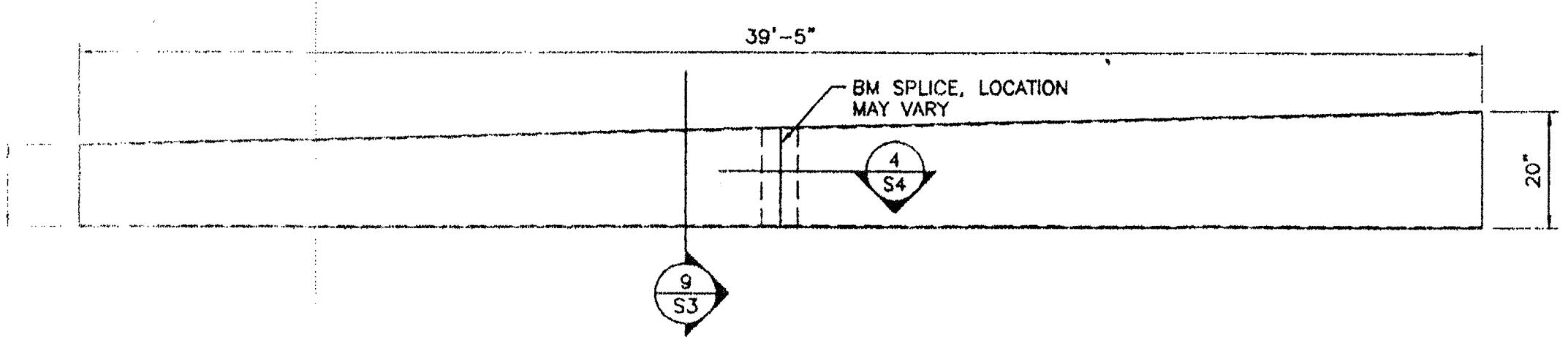
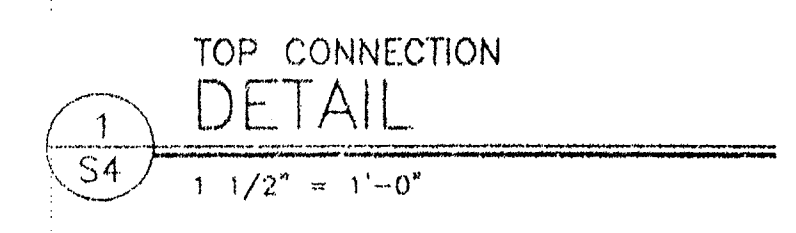
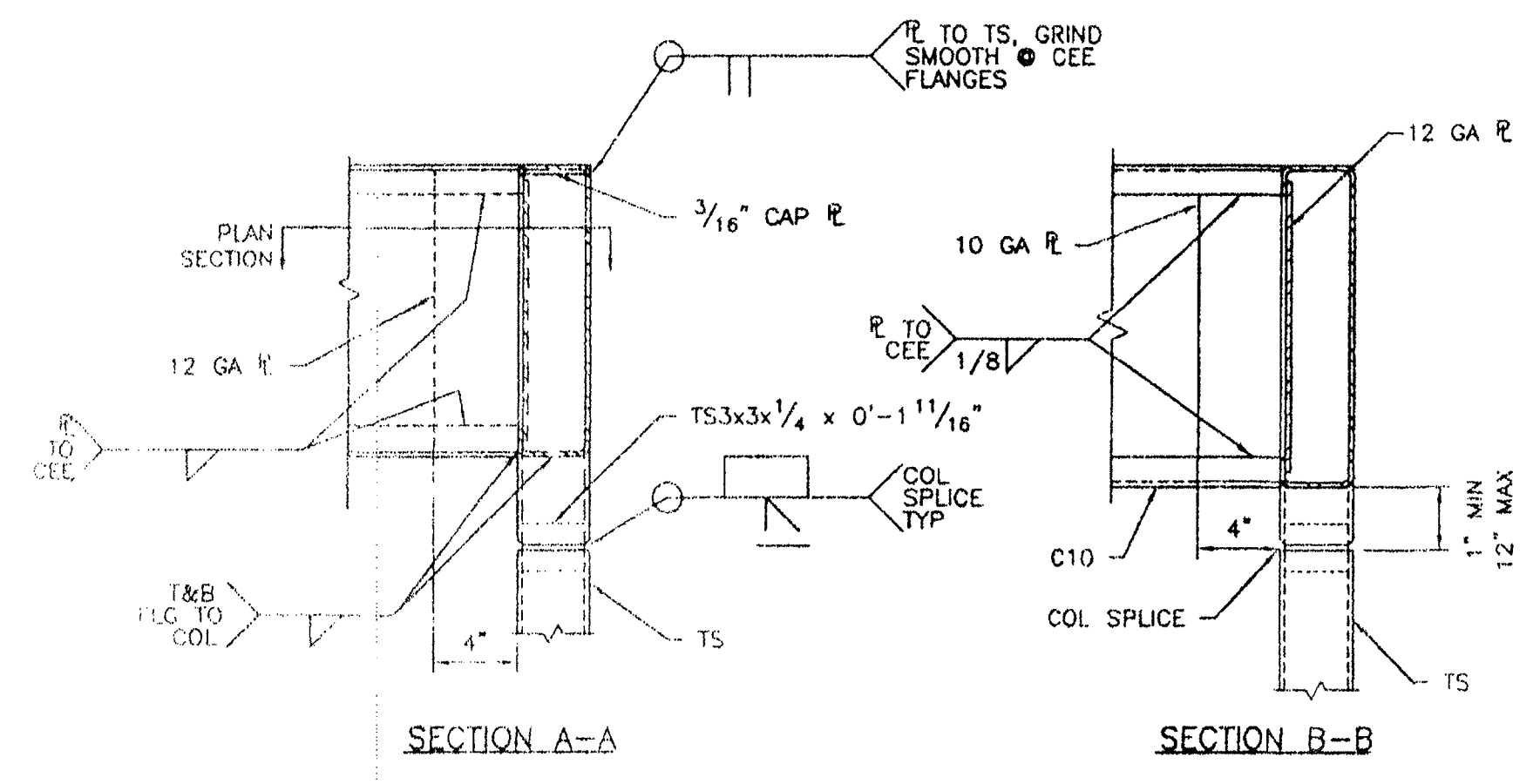
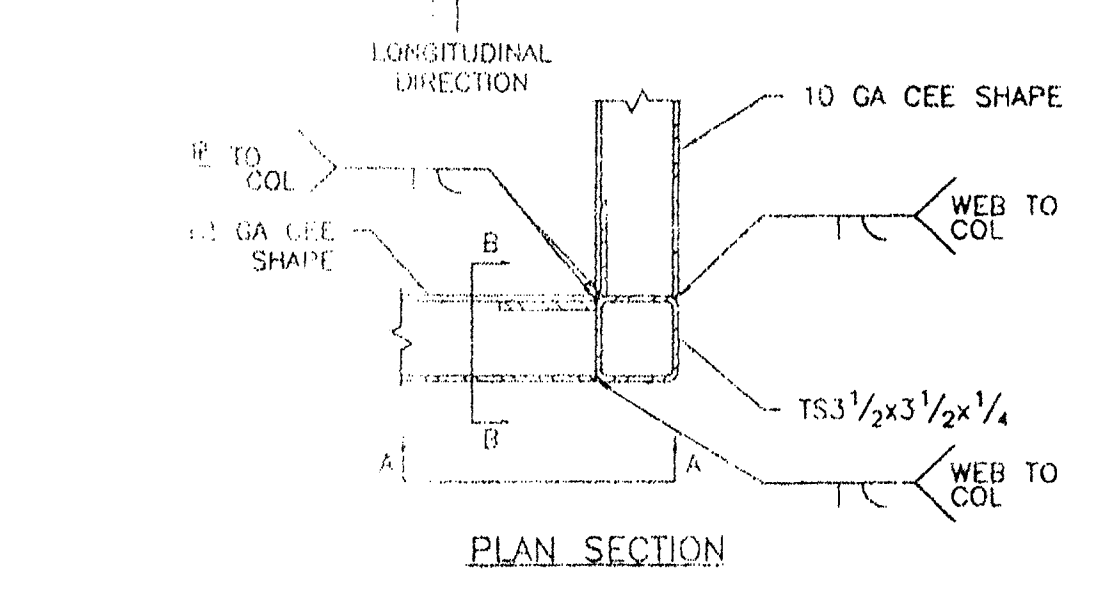
CUSTOMER:
ROOF FRAMING PLAN
AND DETAILS

DATE: 15 DECEMBER 99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

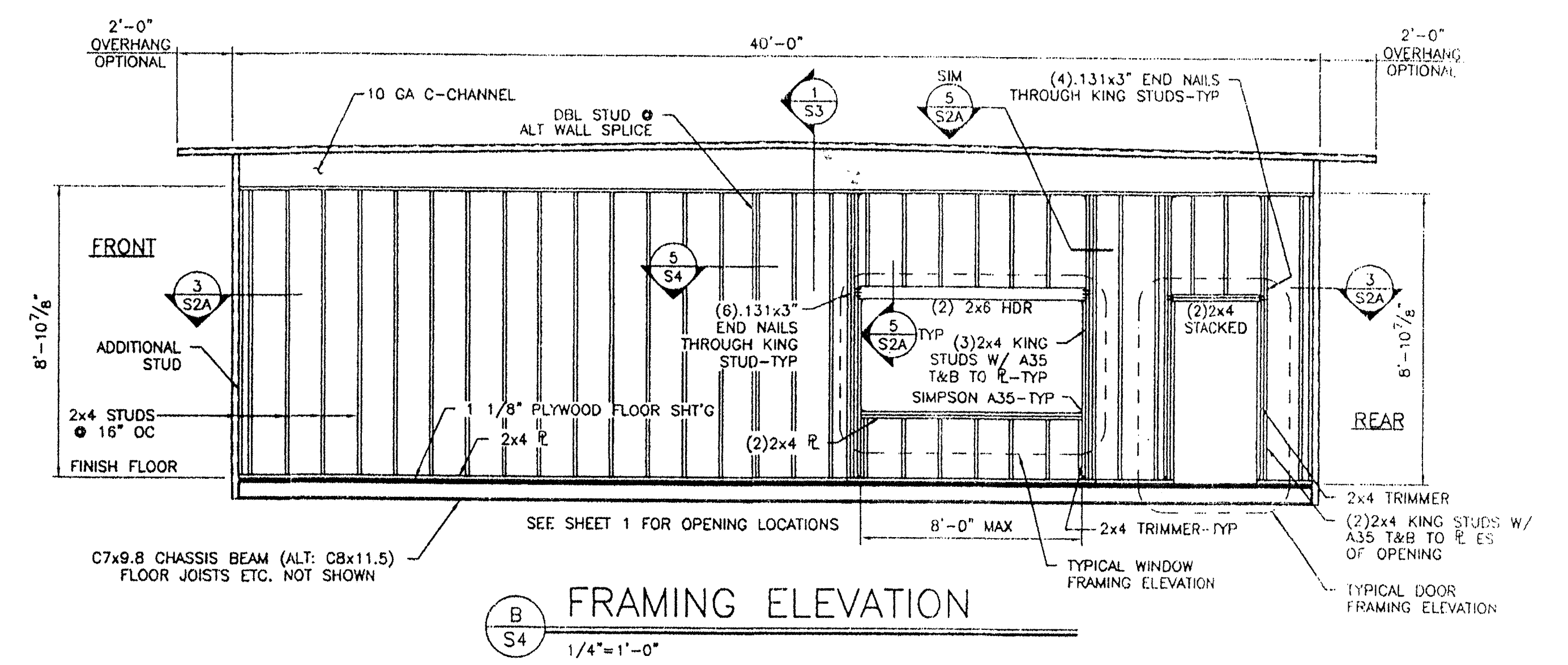
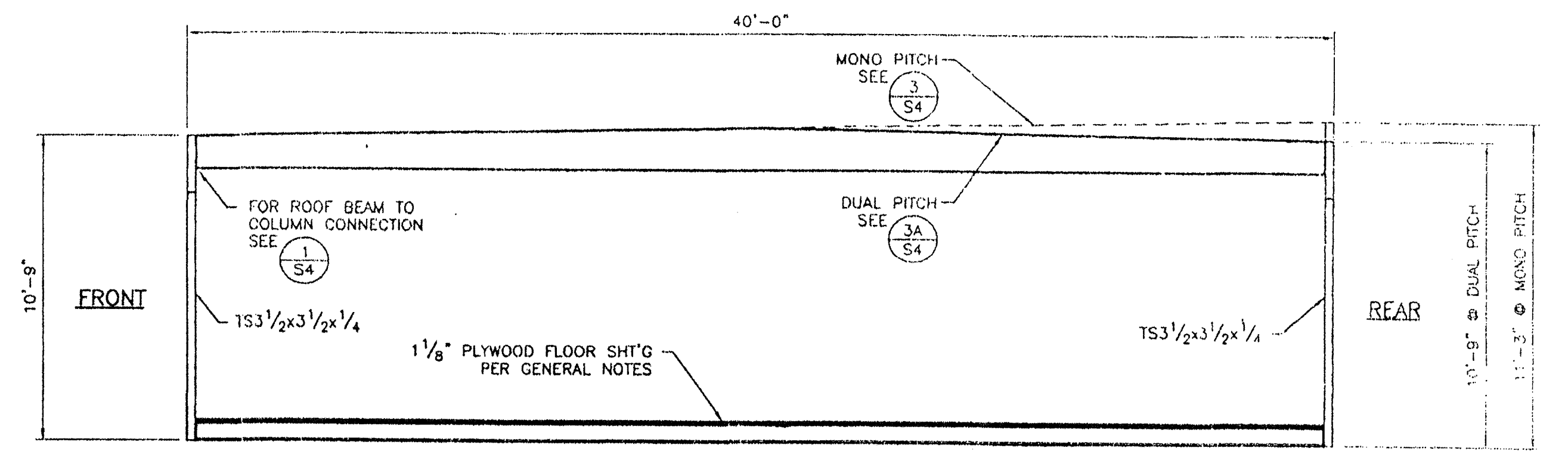
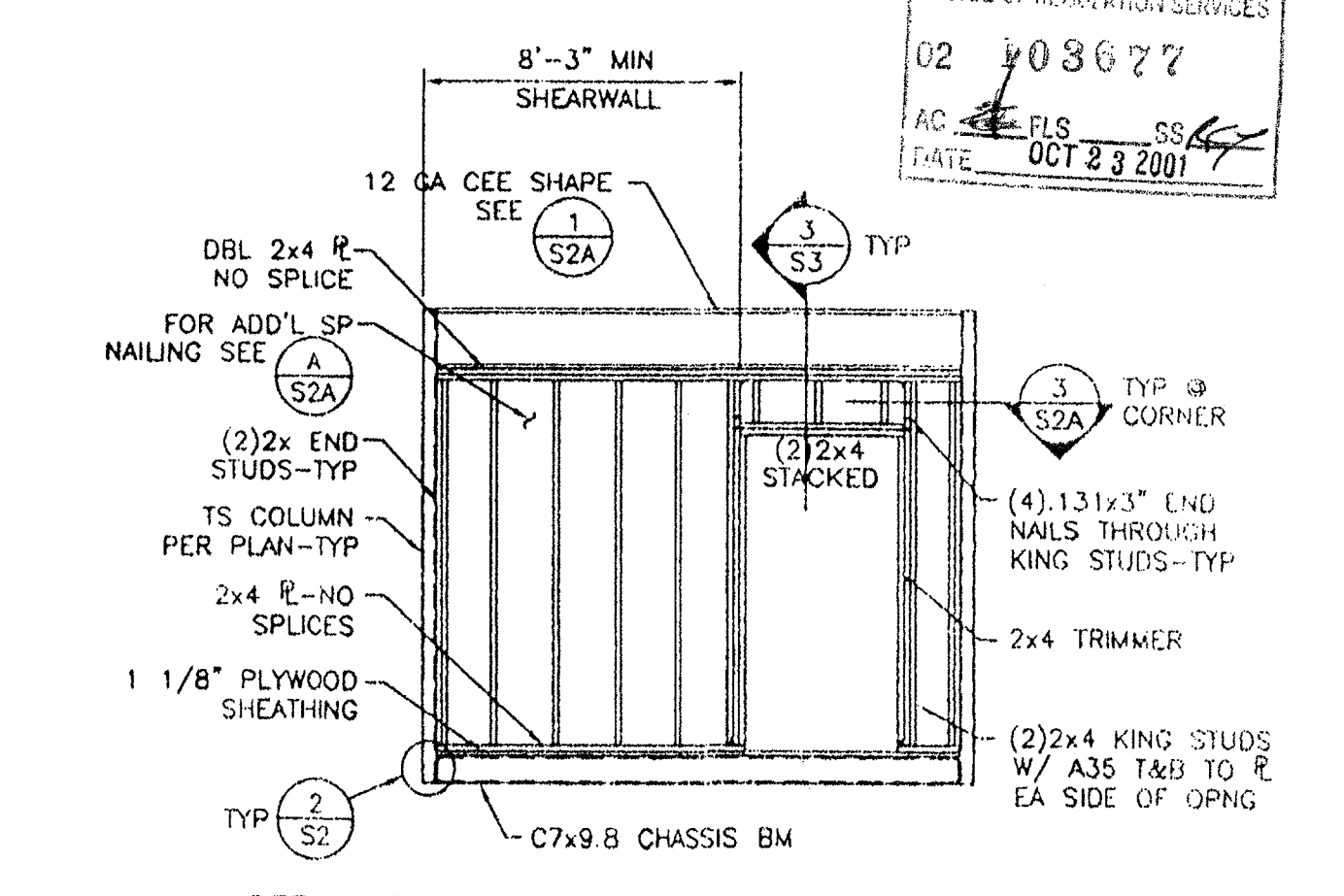
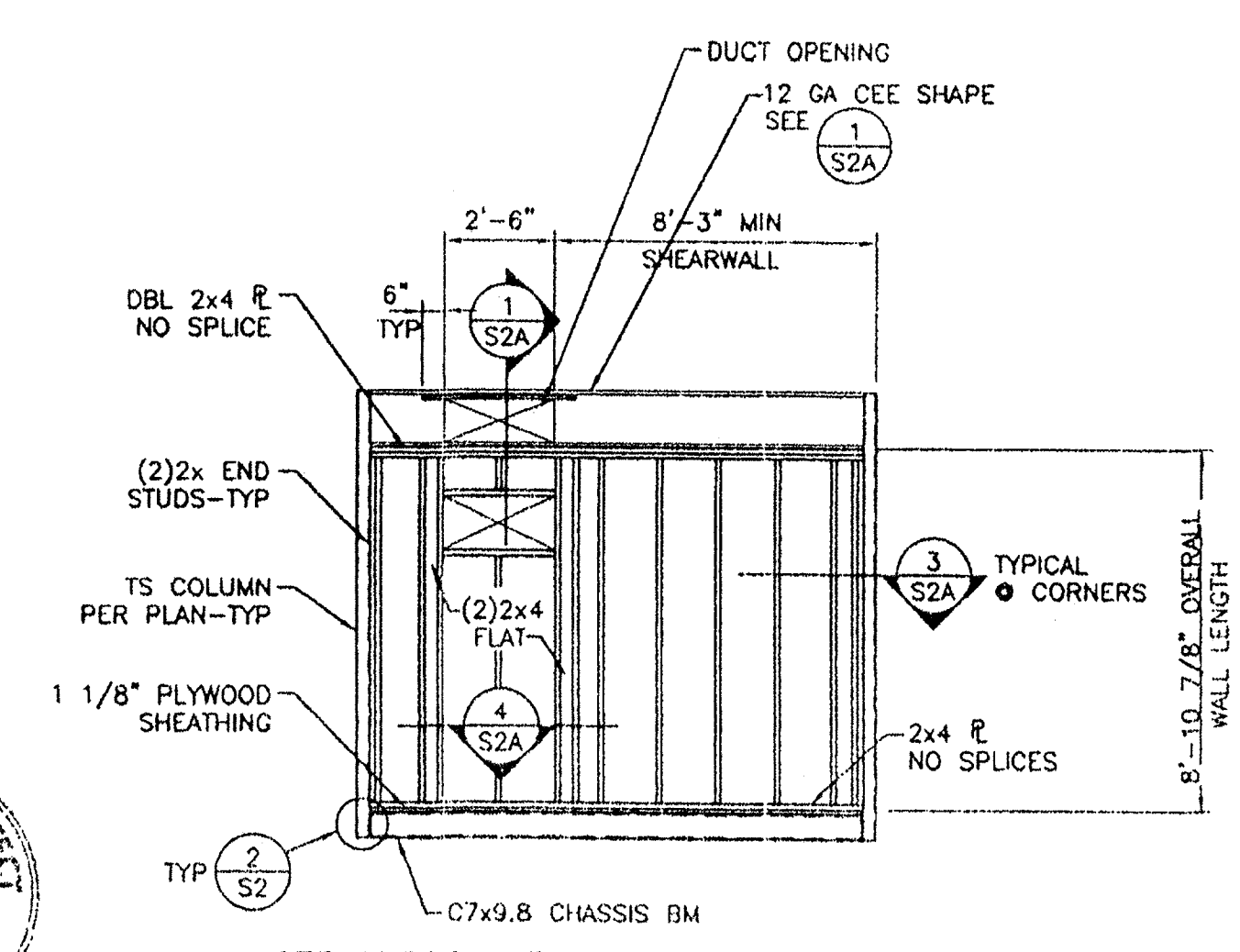
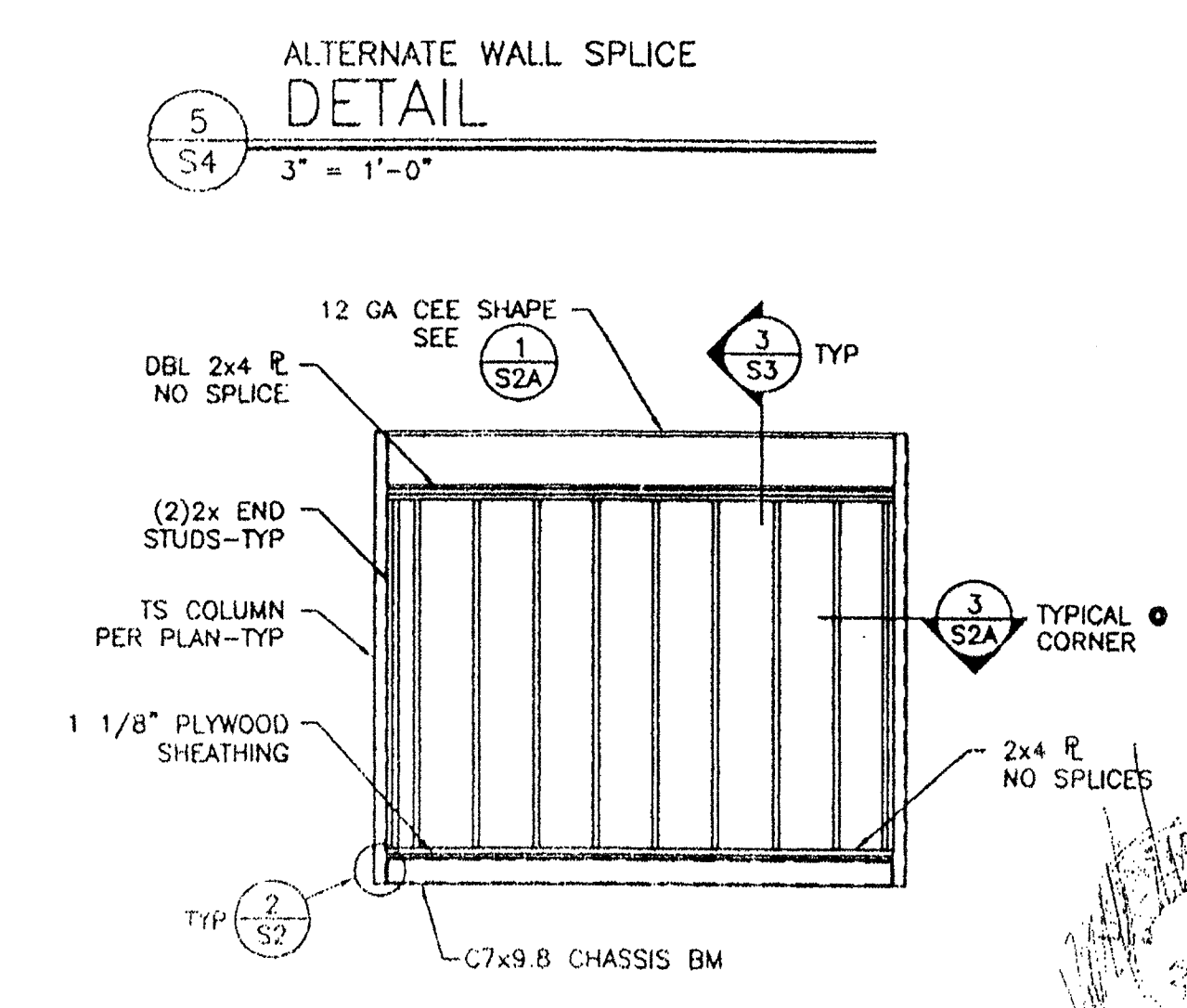
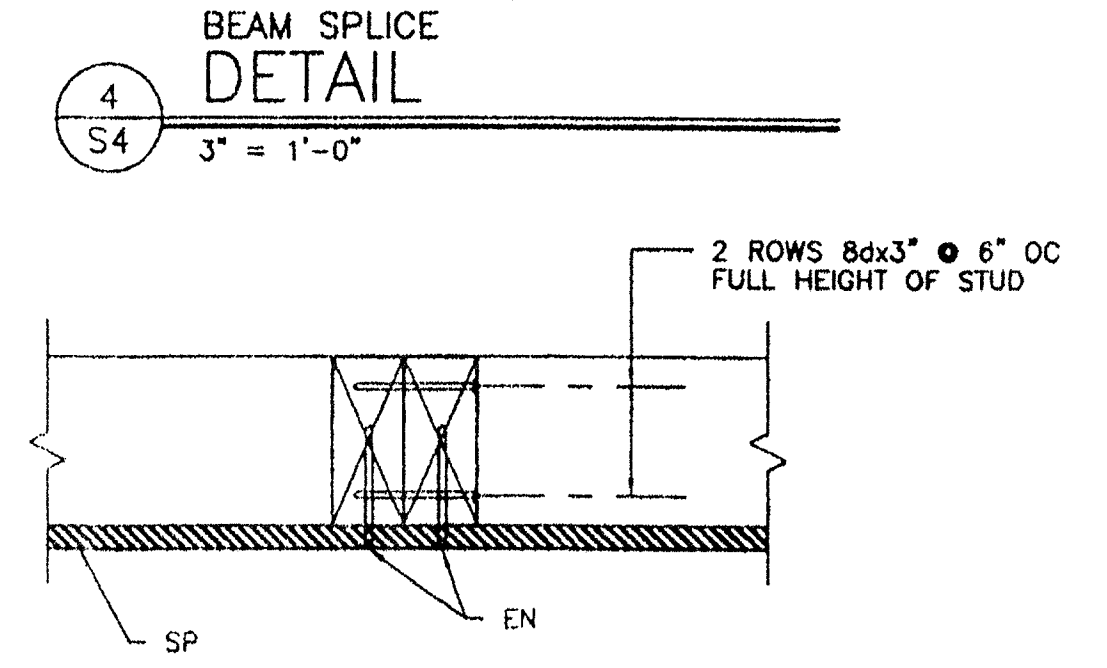
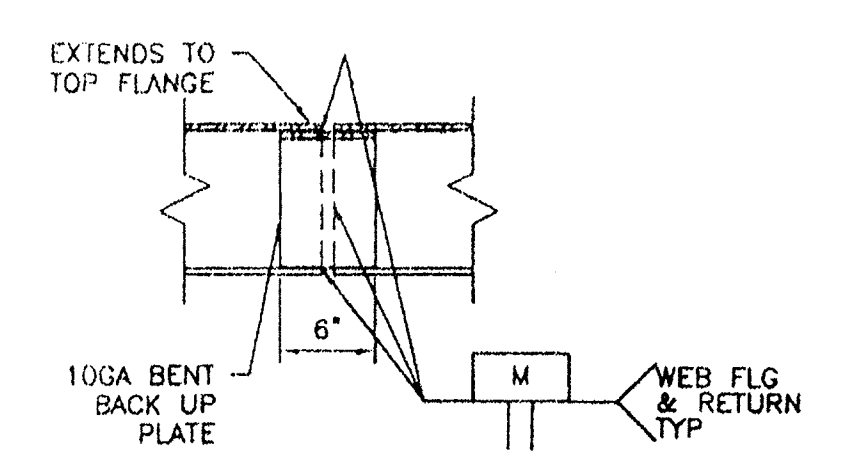
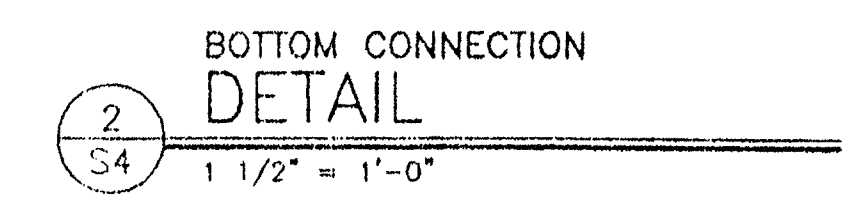
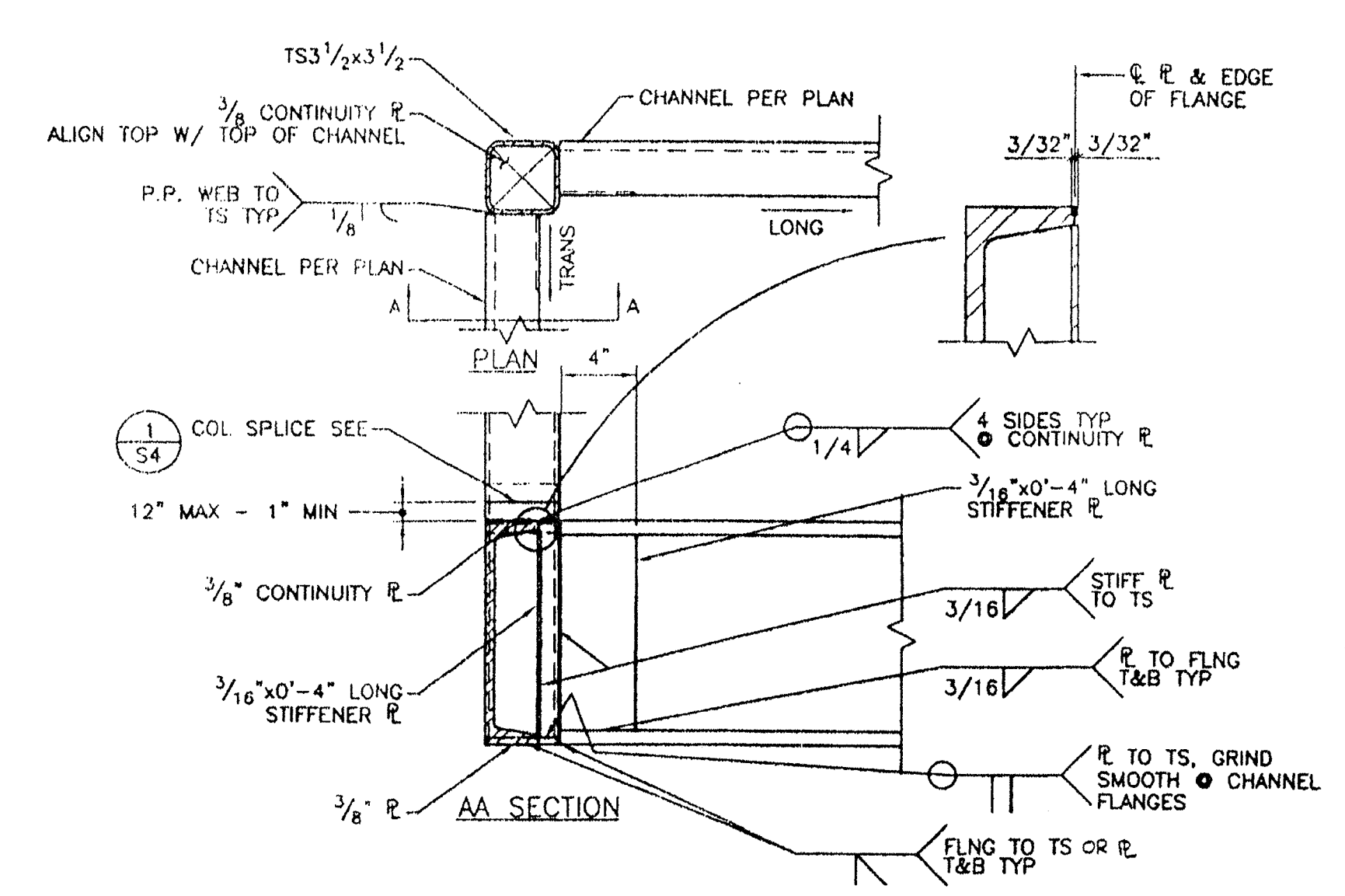
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.
99175
SHEET No.
S3

BGH PROJECT NO. 200019.31



FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101741
DATE MAR 28 2000



NOTE:
HVAC DUCT OPENING LOCATION MUST OCCUR
OUTSIDE OF SHEARWALL

OFFICIAL NOTATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 103677
DATE OCT 23 2001

12 x 40
RESTROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kerneth A. Lutz
No. 1418
EXP. 3-31-01
STATE OF CALIFORNIA

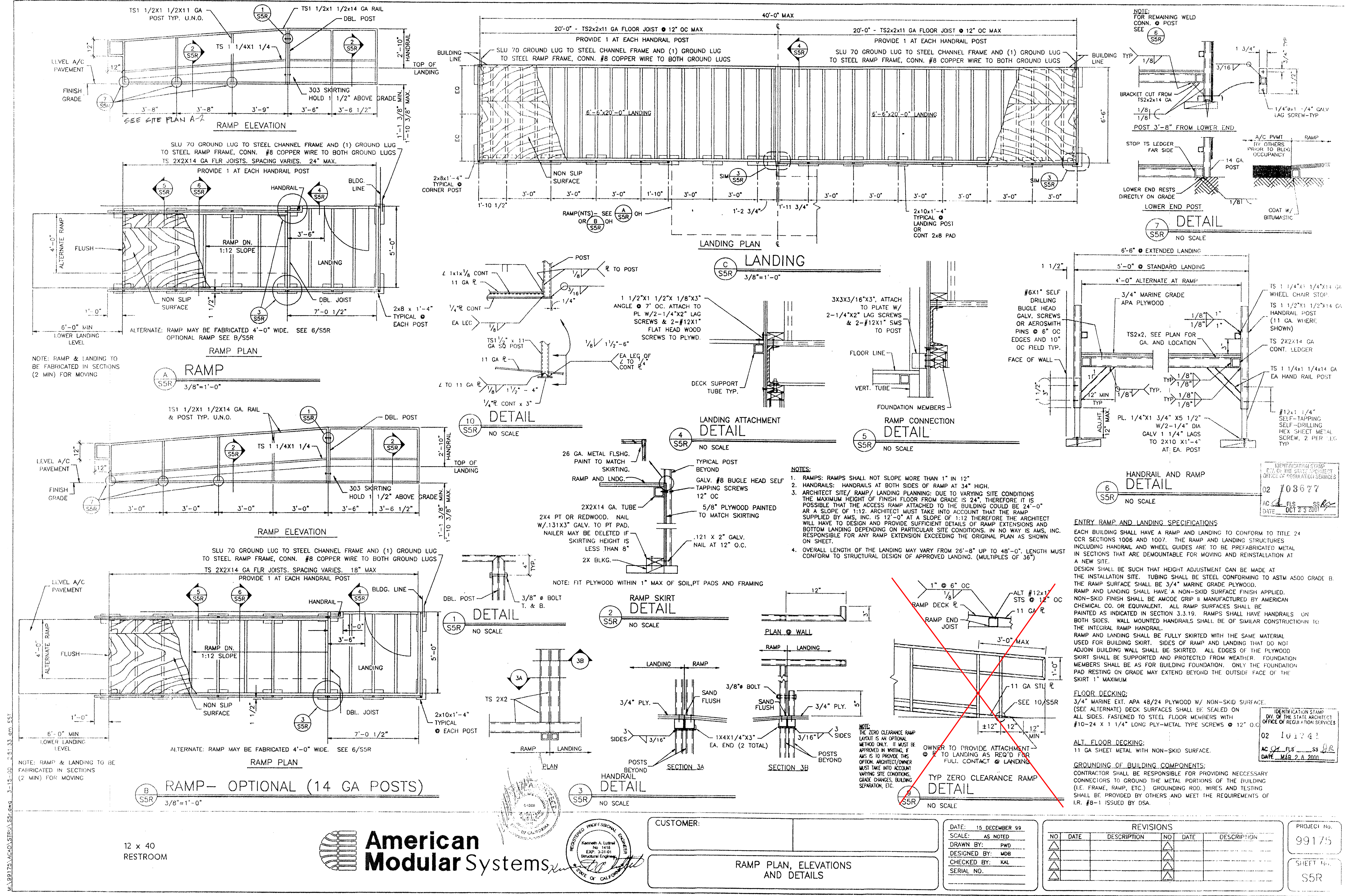
CUSTOMER:
FRAMING ELEVATIONS AND DETAILS

DATE: 15 DECEMBER 99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

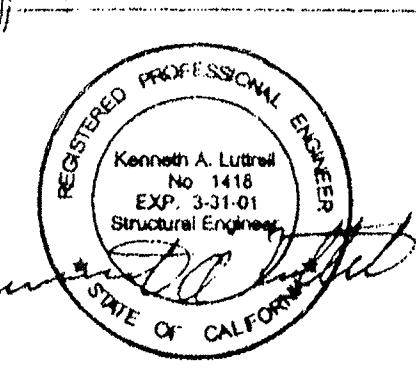
PROJECT No.
99175
SHEET No.
S4

BGH PROJECT NO. 200019.31



MA:99175-ACAD01-STRU-SSR-dwg 3-19-00 2:51:33 am EST

12 x 40
RESTROOM



CUSTOMER: _____
RAMP PLAN, ELEVATIONS
AND DETAILS

DATE: 15 DECEMBER 99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO. _____

REVISIONS			
NO.	DATE	DESCRIPTION	

PROJECT NO.
99175
SHEET NO.
S5R

- NOTES:
1. RAMP: RAMP SHALL NOT SLOPE MORE THAN 1" IN 12"
 2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HIGH.
 3. ARCHITECT SITE/ RAMP/ LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 24". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 24'-0" OR A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS, INC. IS 12'-0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS, INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET.
 4. OVERALL LENGTH OF THE LANDING MAY VARY FROM 26'-8" UP TO 48'-0". LENGTH MUST CONFORM TO STRUCTURAL DESIGN OF APPROVED LANDING. (MULTIPLES OF 36")

ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD. RAMP AND LANDING SHALL HAVE A NON-SKID SURFACE FINISH APPLIED. NON-SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.3.19. RAMP SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTION TO THE INTEGRAL RAMP HANDRAIL.

RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM.

FLOOR DECKING:
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SKID SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

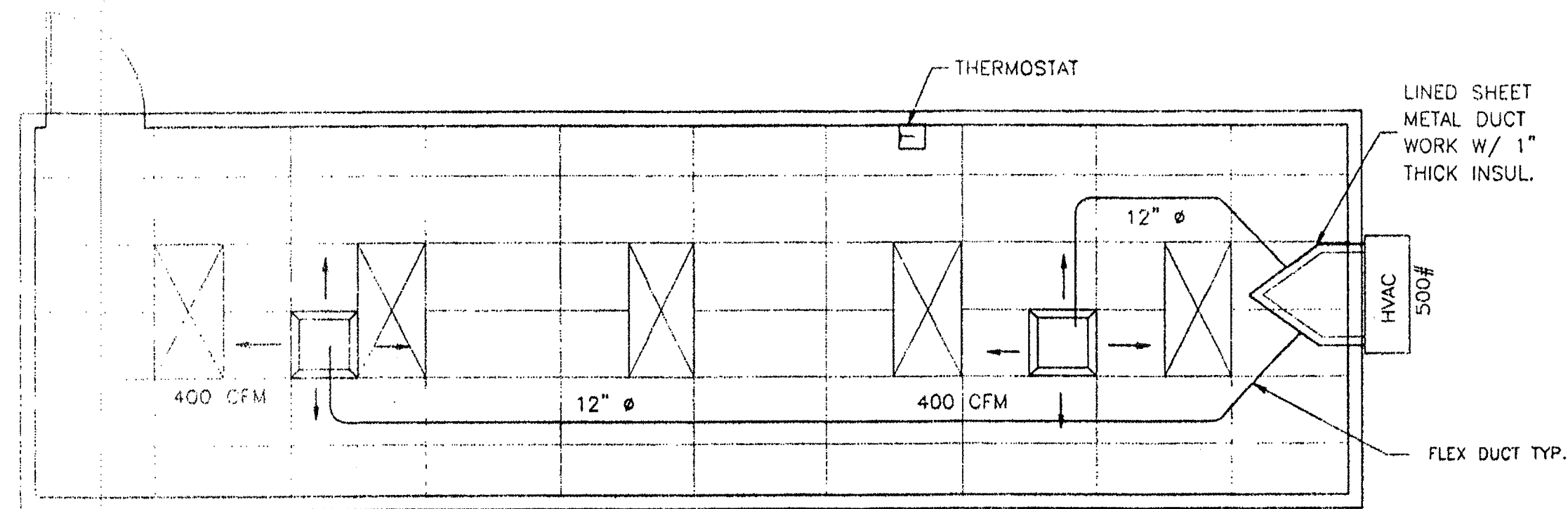
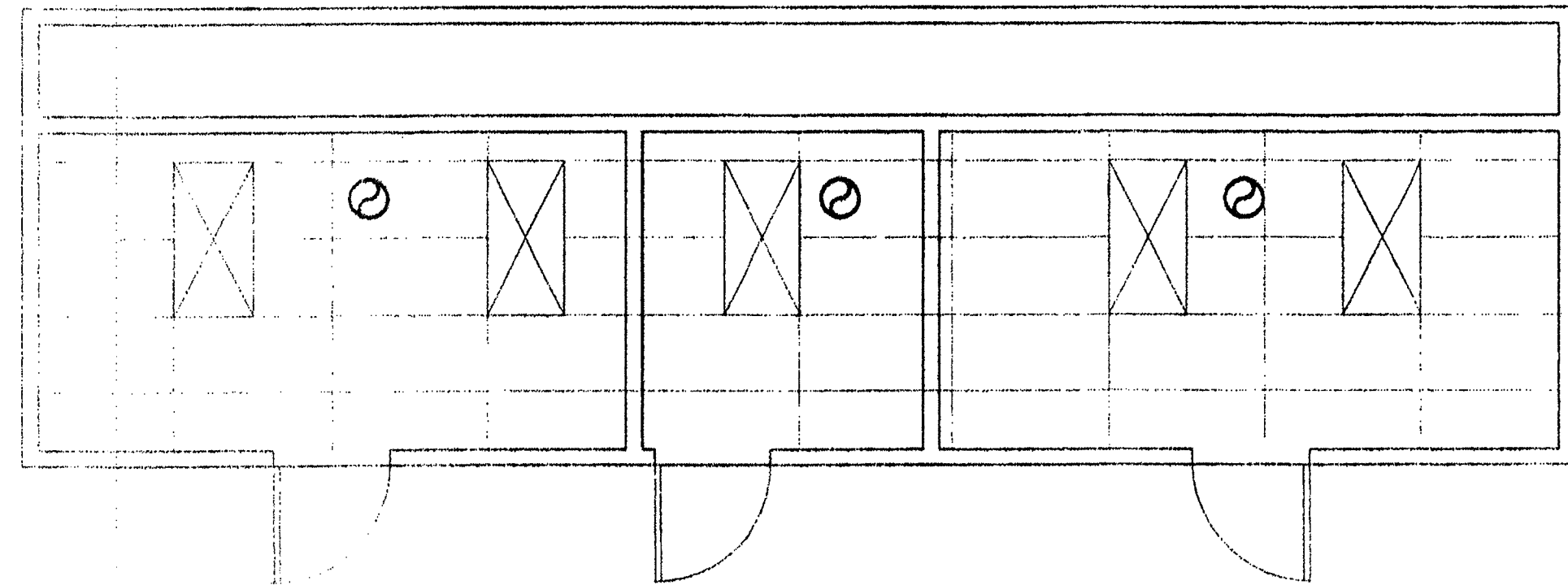
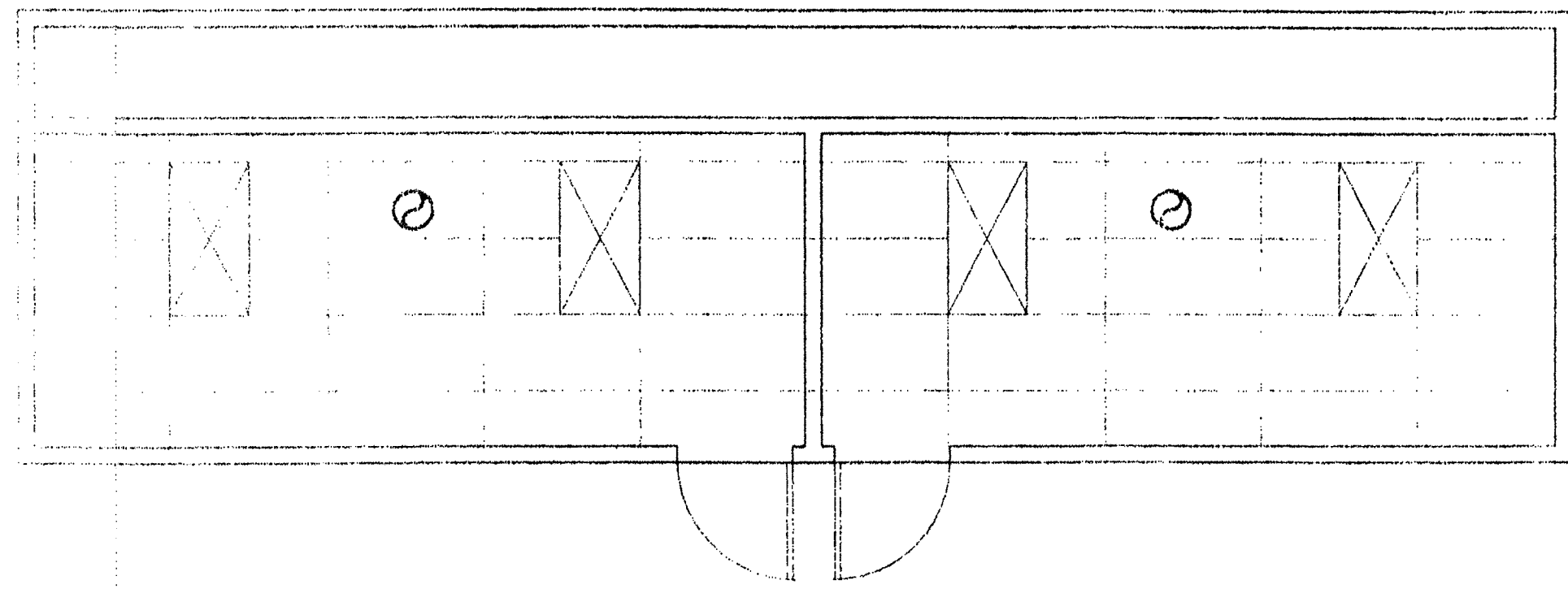
ALT. FLOOR DECKING:
11 GA SHEET METAL WITH NON-SKID SURFACE.

GROUNDING OF BUILDING COMPONENTS:
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.). GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. #8-1 ISSUED BY DSA.

IDENTIFICATION STAMP
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02 103677
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DATE OCT 23 2001

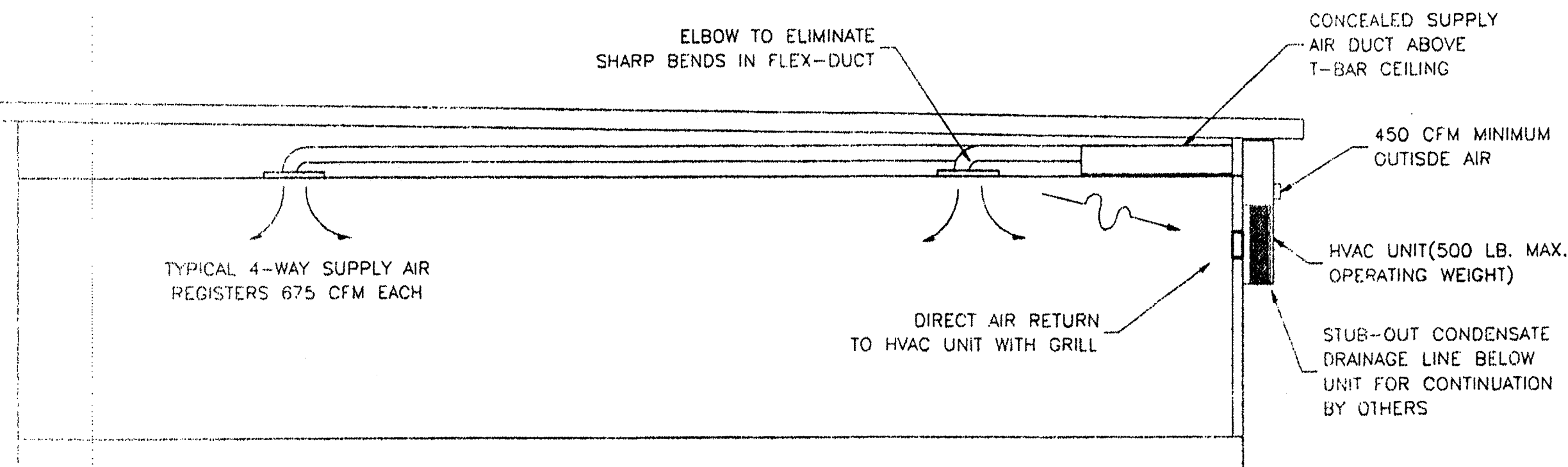
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OFFICE OF REGULATION SERVICES
02 101741
NO. 4 FLS
DATE MAR 2 2000

BGH PROJECT NO. 20001931



HEAT/SUPPLY AIR DUCT LAYOUT

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



HEAT/SUPPLY AIR DUCT CROSS SECTION

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

BUILDING FIXTURES, EQUIPMENT, & APPLIANCE SPECIFICATIONS
A. L - Lavatory, Eljer 051-2104.
Eljer 557-1012 faucet with lever handles, Eljer 760-strainer 1/2"x3/8" tubing angle supplies Chicago faucet #1017. 17 ga. chrome plated p-trap with clean out and insulated w/a maximum flame spread of 25 & smoke density of 450.

B. WC - Water closets, shall be water saver tank type elongated bowl with open front toilet seat and shall be mounted as specified on floor plan and in compliance with Title 24. Provide two handicapped adult WC1: Eljer 091-1175, and one childrens WC2 (seat ht. 15"): Eljer #091-1125

C. Grab Bars - 1-1/4" Diameter, 18 ga., 304 stainless steel, satin finish, 1-1/2" stand off from wall, concealed or exposed mounting. Structural strength of grab bars (250# min.), mounting length (see floor plan), and configuration shall be as required by Title 24, section 2-411.C.

D. Toilet Room Mirrors - Bobrick B165 or equal, 18x30 stainless steel channel framed, mounted above each toilet room sink at +40" max.

E. Sewer And Water Stub Outs - shall be located within the allowable area as shown on floor plan and connections should be easily accessible for future relocation. Stub out height should be coordinated by the manufacturer.

F. Piping - Water, copper type "L", 95/5 solder. Waste, drain and vent ABS.

G. Kitchen Sink-Republic 33X22 stainless steel,with Eljer 717-1020 JWF100 facet with lever handles, 111A waste, JustJ-35 strainer, CZL615 supplies x 20", and 508-510 17ga. p-trap w/ clean-out.

H. Classroom Sink-Republic25X22 stainless steel, with T&S 1142 faucet w/wrist blade handles, and HAWS 5055 bubbler.

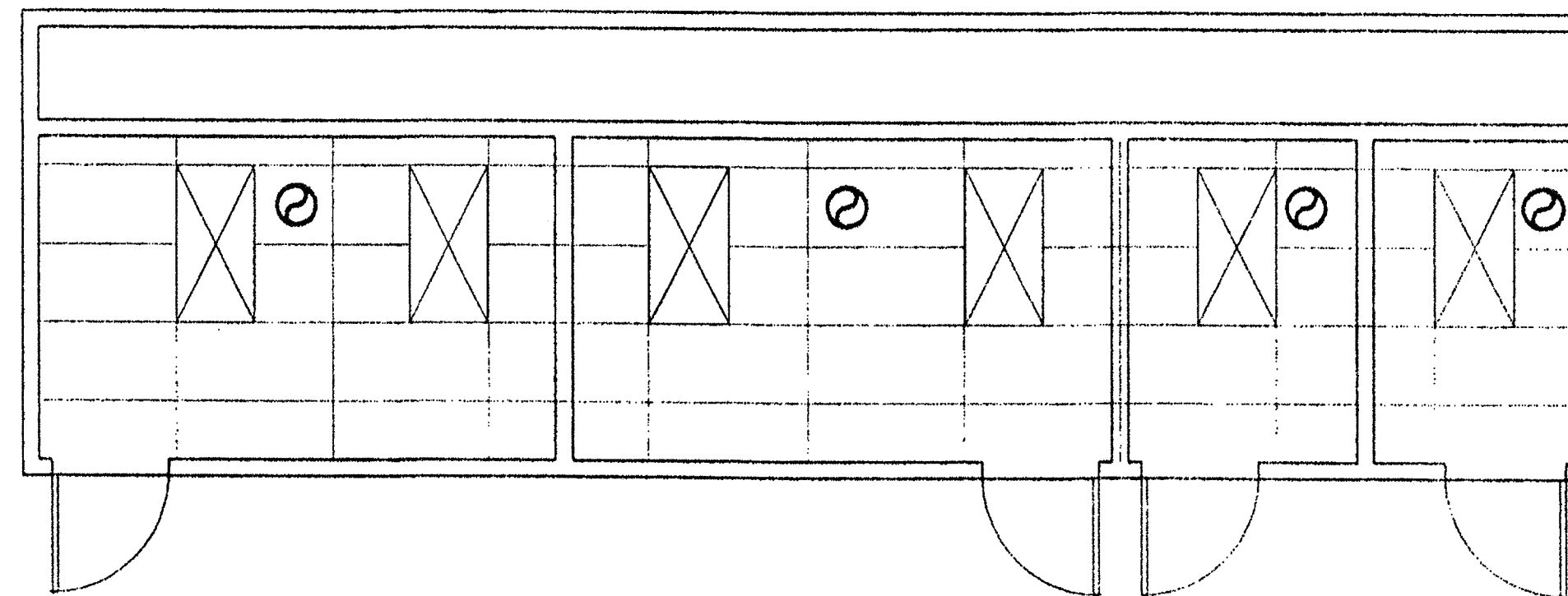
I. Water Heater-Champion E51-20V-0155 20Gal. with 34082 water heater pan, TP1100A-40 T&P valve and 676NN copper flex.

J. Service Sink-florestone MSR2424 3" drain w/ florestone MR-371 faucet, florestone MR372 mop hanger, and florestone MR-377.

FIXTURE SCHEDULE				
FIXTURE NO.	FIXTURE TYPE	MANUFACTURER	PART NO.	MOUNTING HEIGHT
1	H.C. WATER CLOSET	ELJER OR EQUAL		15" TO TOP OF SLAT
2	CHILD'S WATER CLOSET	ELJER OR EQUAL		15" TO TOP OF SLAT
3	PRE-SCH. WATER CLOSET	ELJER OR EQUAL		15" TO TOP OF SLAT
4	LAVATORY	ELJER OR EQUAL		24" MAX TO TOP
5	H.C. URINAL	ELJER OR EQUAL		15" TO TOP
6	URINAL	ELJER OR EQUAL		24" TO TOP
7	GRAB BAR			
8	MIRROR			
9	SOAP DISPENSER			
10	PAPER TOWEL			
11	SEAT PROTECTOR			
12				
13				
14				
15				

EXHAUST FAN					
NO.	DISCRIPTION	CFM	WATTS	PRES.	ELECT.
WEF-1	EXHAUST FAN	100	1050	10"	115-115
WEF-2	"	"	"	"	"
WEF-3	"	"	"	"	"

NUTONE 872 WALL MOUNTED 180W INPUT



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.

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA

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 WH30A-XXX-XX
MARVAIR AVE 30 HP-30-1

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 75 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. Duckwork.
A.) Construct all ductwork of galvanized sheet metal in accordance with U.M.C., Ash-Joe Guide Equipment volume and Smocon 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 ductwork within 5' 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 5' 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, 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro- Aire type #475 Owens-Corning, Knaflex, Certainteed, 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 Cornes, Thus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers

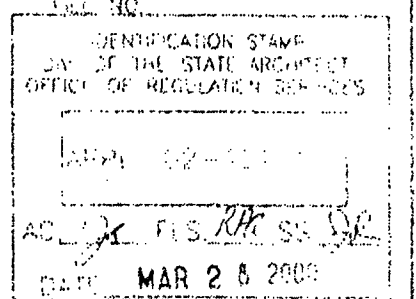
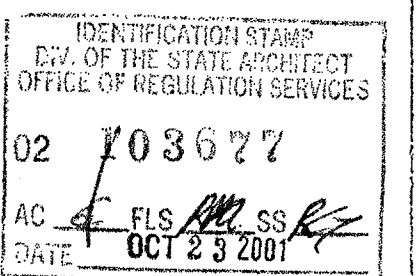
6. Air conditioning controls.
Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions:

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. Use Rodgers IF92.

7. Thermal insulation:
A.) Roof Insulation: R-19 Unfaced.
B.) Walls Insulation: R-11 Kraft Faced.
C.) Floors Insulation: R-11 Kraft Faced.
Flame spread and smoke development shall conform to California Building Code sec. 707.

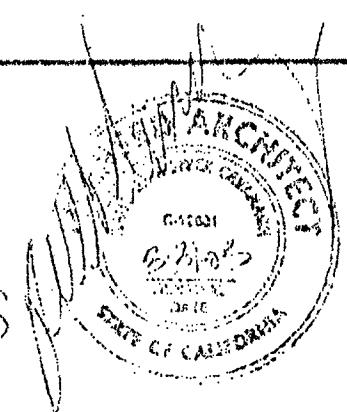
8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliance 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.



1 X 40
RELOCATABLE
BUILDING

American Modular Systems

333 EAST CARNEGIE CT. MANTeca, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018



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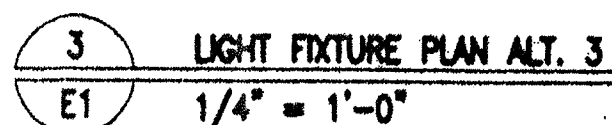
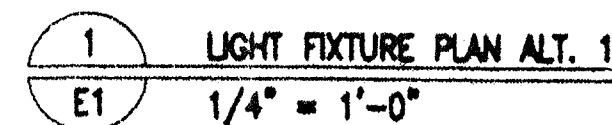
MECHANICAL PLAN & NOTES

DATE: 03-23-00
SCALE: NONE
DRAWN BY: P.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
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PROJECT NO.

SHEET NO.
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STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAIL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.

STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAIL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.

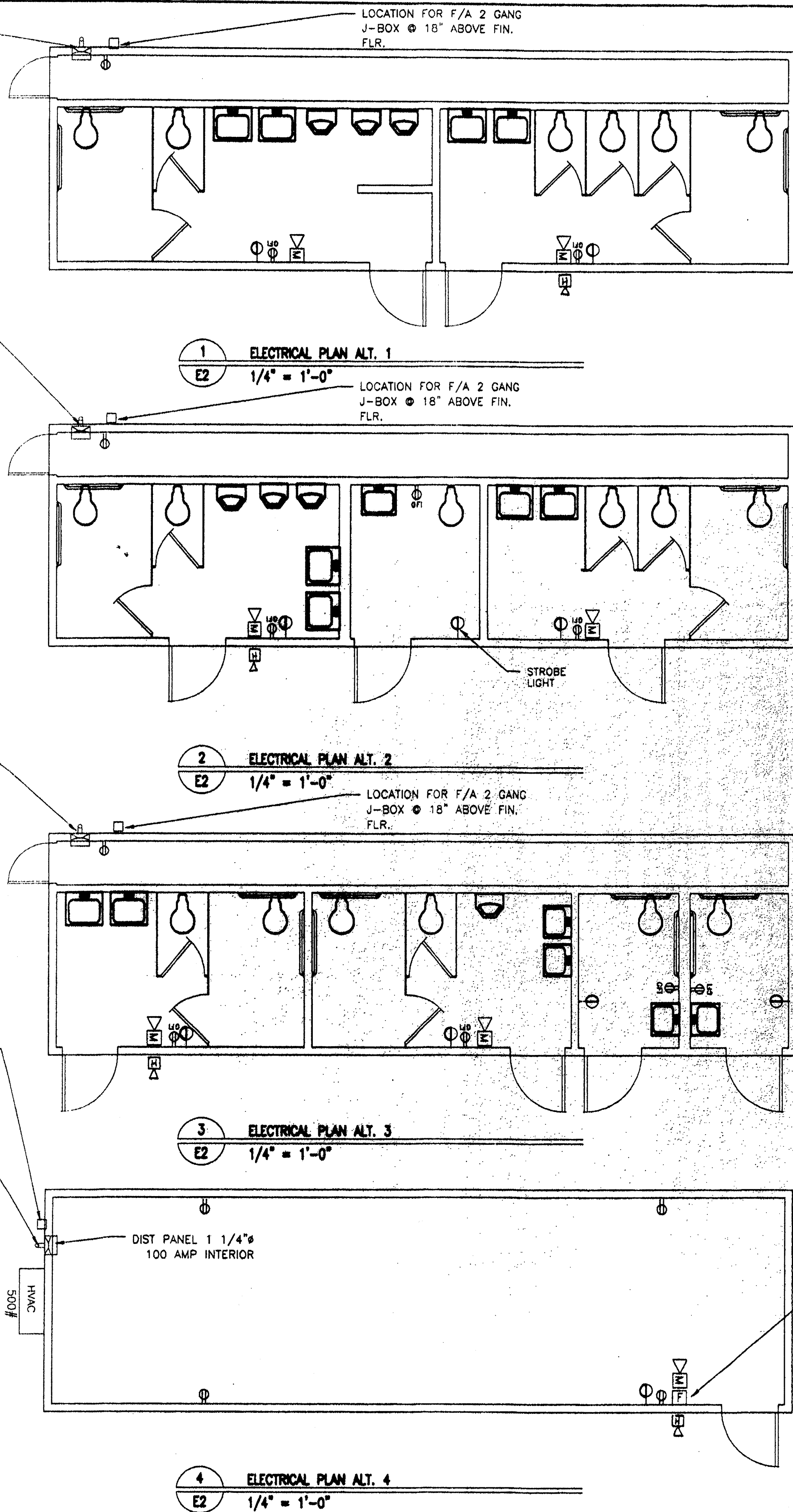
STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAIL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.

LOCATION FOR F/A 2 GANG J-BOX @ 18" ABOVE FIN. FLR.

STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAIL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.



STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE - RECESSED.
- FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR).
- INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18".
- SINGLE POLE LIGHT SWITCHES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"x1" #22 4"x2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18". HOSPITAL GRADE.
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- PANELBOARD - SEE SCHEDULE.
- TERMINAL CABINET - SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES #14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, -H- 3#14, -HH- 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -HHH- 3#10, -HHHH- 4#6 ETC.
- NOTE
- FIXTURE IDENTIFICATION - LETTER INDICATES TYPE.
- ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED, PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- FIRE ALARM STATION - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE.
- FIRE ALARM HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" TO TOP (EXTERIOR ONLY).
- FIRE ALARM VISUAL ALARM - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80" A.E.P. BUT NO GREATER THAN +98" IF CEILING MOUNTED PER NFPA72 TABLE 6-4.1(b).
- SPEAKER - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84".
- INTERCOM TELEPHONE - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48".
- FIRE ALARM MINI HORN - OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" TO TOP AND NOT LESS THAN 6" BELOW FINISHED CEILING.

FIRE ALARM

Junction 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.

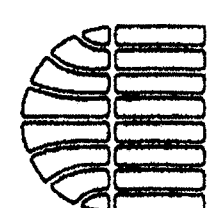
If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing agency

FIRE ALARM PULL STATION
+48" TO CENTER
J-BOX AND COVER
ONLY, DEVICE N.I.C.
STUB TO CEILING

F.A. : CONNECT ALL
FIRE ALARM JUNCTION BOXES
WITH 1/2" MIN. GALV. THIN
WALL TUBING (EMT);
STUB TO CEILING ONLY.

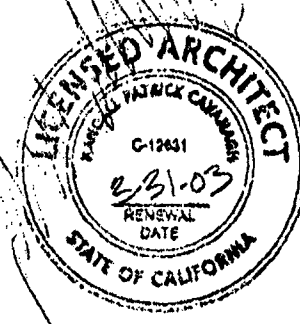
DO NOT CONNECT FIRE ALARM
CONDUIT WITH ANY OTHER
ELECTRICAL CONDUIT

12 X 40
RELOCATABLE
CLASSROOMS



**American
Modular Systems**

333 EAST CARNEGIE CT. MANTICA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018



CUSTOMER:

ELECTRICAL PLAN & NOTES

DATE: 03-23-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

SHEET No.

E 2

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02 103677
AC FLS [Signature] SS [Signature]
DATE OCT 23 2001
FILE NO.
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APPL 02-101741
AC FLS [Signature] SS [Signature]
DATE MAR 28 2000

BGH PROJECT NO. 200019.31