American Modular Systems

24 X 40 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY ELEMENTARY 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
☐	Fill material, acceptance tests
☐	Compaction control, continuous
☐	Compaction tests only as ordered
☐	Bearing capacity of compacted fill
	REINFORCING STEEL
☒	Sample and test bar steel
☐	Sample and test mesh
☐	Inspect placing at job
	STRUCTURAL STEEL
☒	Sample and test as detailed below
☐	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 only
☐	Inspection of placing
☐	Core drill samples
	GLUED LAMINATED STRUCTURAL LUMBER
☐	Fabrication inspection
☐	Sample and test steel accessories
☐	Inspect fabrication of steel accessories

CON-CRETE	GUNITE	GROUT	MORTAR	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
☒				Compressive tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to jobsite
				Sample and test cement

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
☐ Sodium sulphate				
☐ Structural strength				
☐ Los Angeles rattler				
☐ Clay (Hydrometer method)				
☐ Reactivity tests				
☐ Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM				
		28 DAYS				
CONCRETE	1 1/2"	3000				

List 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
6 " x 14 ga. ROOF JOIST
4" x 12ga. ROOF JOIST
3 1/2" x 10 ga. ALT. JOIST
2"x16 ga. STRAPS

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

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
S3A	ROOF FRAMING DETAILS
S4	FRAMING ELEVATIONS & DETAILS
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE [illegible]

LICENSED ARCHITECT STEPHEN J. CONNOR No. C-16786 STATE OF CALIFORNIA

[illegible], AIA DATE 8/23/00

LICENSE # C-16786

EXP. DATE 11/30/01

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)
BUILDING AREA	960 SQ FT

FIRE MARSHAL- CALIFORNIA BUILDING CODE (CBC)
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

STRUCTURAL - 1998 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

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

BASED ON PC-02-101837

FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
A# 03-104224
AC ______ FLS ______ SS ______
DATE MAR 04 2001

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

JOB NO.
DATE: JUNE 12, 2000
SHEET NUMBER
TS-1
BINDING ORDER 1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A — GENERAL REQUIREMENTS

1. GENERAL

A. 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.

B. 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.

C. 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.

2. SCOPE OF WORK

A. 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.

B. 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:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. 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.
3. 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.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. 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.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. 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.
13. 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.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. 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-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. 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

A. 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.

B. WELDING - ALL WELDING DONE BY SHIELDED 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 2231.A.5 WELDING ELECTRODE SHALL BE E70XX.

1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. 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.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.

C. ERECTION - STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

D. NAILS,BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.

1. 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 MTT28B.

E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT

1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.

G. TESTS

1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2231.A.1.

SECTION 6A — CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY

2. 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.

A. 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.

B. HEADERS,POSTS AND TIMBERS-DOUGLAS FIR S4S #1

C. BLOCKING - DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.

D. 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.

E. PLYWOOD ROOF DECKING - SEE A/S3

F. 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.

G. EXTERIOR SIDING/SHEATHING - APA TYPE 303,EXTERIOR.

H. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.

J. STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.

K. FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2318A.3.4 COMMON NAILS - For Ext Siding and Fndn Only.

L. BUILDING TRIM - 2X RESAWN SELECT D.F.,H.F.,OR CEDAR

M. DOOR/WINDOW TRIM - 1X4 REWAWN D.F.,H.F.,OR CEDAR.

N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.

O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.

P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.

Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

3. WORKMANSHIP

A. FRAMING - SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED 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.

B. NAILING - IN ACCORDANCE WITH TITLE 24,PART 2, CALIFORNIA BUILDING CODE,TABLE 23A-11-B-1

C. 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.

D. 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.

E. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.

F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B — SHEET METAL

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS

A. 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.

B. SOLDER - OF STAND,GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.

C. FLUX - ZINC SATURATED MURIATIC ACID.

D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL

3. 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

1. 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.

2. MATERIALS

A. ROOFING - 3" INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING SHEET STL PANELS (G90).

B. ROOFING: CLASS B FIRE RATING

SECTION 7J — SEALANT

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS

VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.

3. WORKMANSHIP

SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE — CONCRETE (IF USED)

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

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED ON SHEET NO [illegible]

STEPHEN J. CORBIN, NCARB, AIA — DATE [illegible]

LICENSE # C-16788

EXP. DATE 11/30/01

LICENSED ARCHITECT ★ STEPHEN J. CORBIN No. C-16788 REN 11/30/01 ★ STATE OF CALIFORNIA

SECTION 8B — HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.

2. MATERIALS

A. 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.

B. 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.

3. WORKMANSHIP

ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D — FINISH HARDWARE

1. SCOPE OF WORK

CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.

2. SCHEDULE FOR EXTERIOR DOORS

SEE NOTE ON FLOOR PLAN.

3. SPECIAL REQUIREMENTS

A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.

B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E — PAINTING

1. 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.

2. MATERIALS

A. FOR EXTERIOR WOOD:

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

B. FOR INTERIOR TRIM

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

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP

ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.

A. 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.

B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER

C. 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.

D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.

E. 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 EQIAL.

F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F — SITE ASSEMBLY

1 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.

2. ASSEMBLY OF ELEMENTS

A. 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.

B. 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.

C. 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

1. 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.

2. EQUIPMENT

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP

UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A — ELECTRICAL

1. 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.

2. MATERIALS

ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE AND NATIONAL FIRE PROTECTION ASSOCIATION

A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.

B. PANELBOARDS - FLUSH MOUNTED.

C. CONDUCTORS - COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE-#14

D. RECEPTACLES - AS NOTED +18" A.F.F. MIN.

E. CLOCK RECEPTACLE - AS NOTED.

F. SWITCHES - AS NOTED. +48" A.F.F. MAX.

G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.

3. 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 SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. 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:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE, ONE ON EXT. AND ONE ON INTERIOR MODULE BEAM AT FRONT OF BULDING 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 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 AGGREEMENT WITH DISTRICT.

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL [illegible]
DATE [illegible]

PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101837
AC [illegible] FLS RPA SS AH
DATE JAN 12 2000
REV. 4-10-00 AH

FILE NO. PC
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~APPL. 02-101488~~
~~AC. [illegible] FLS. RR SS AH~~
~~DATE OCT 19 1999~~

24 X 40
RELOCATABLE
CLASSROOMS

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

CUSTOMER:

GENERAL NOTES

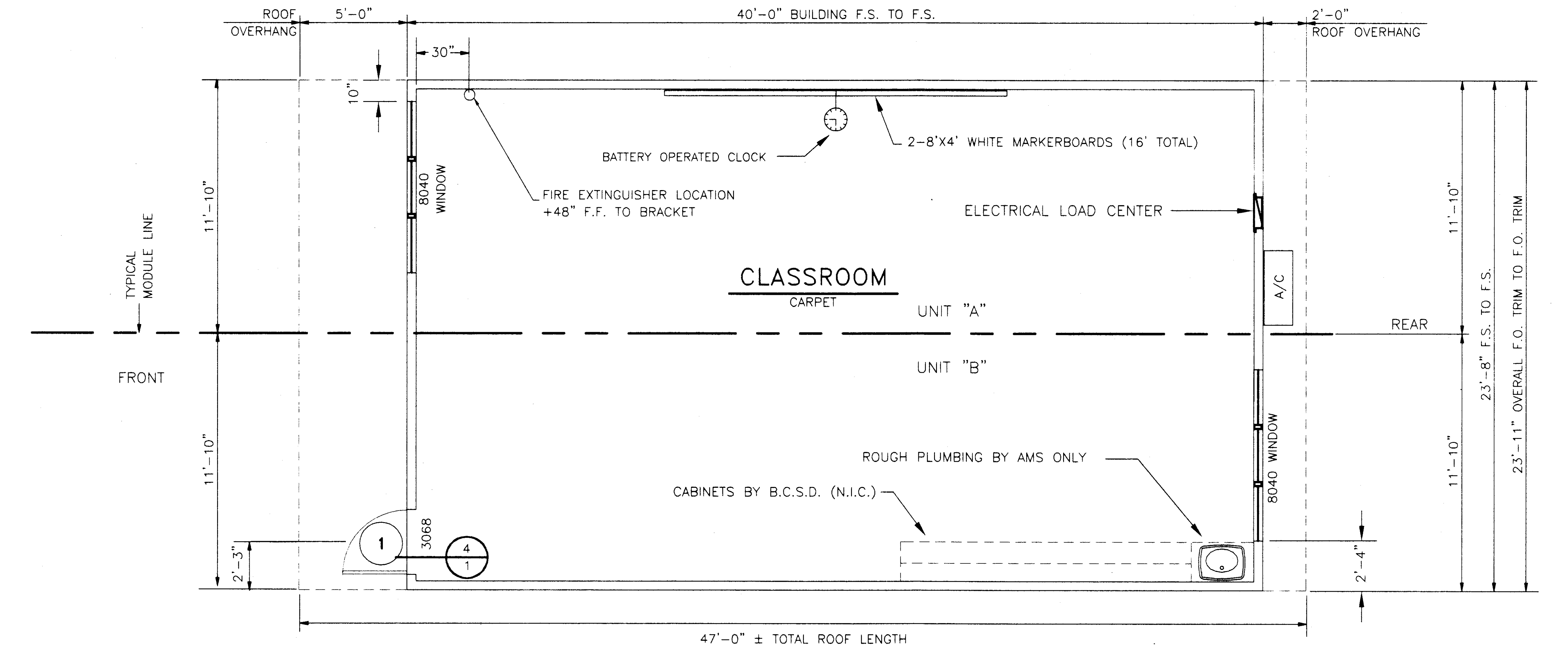
DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

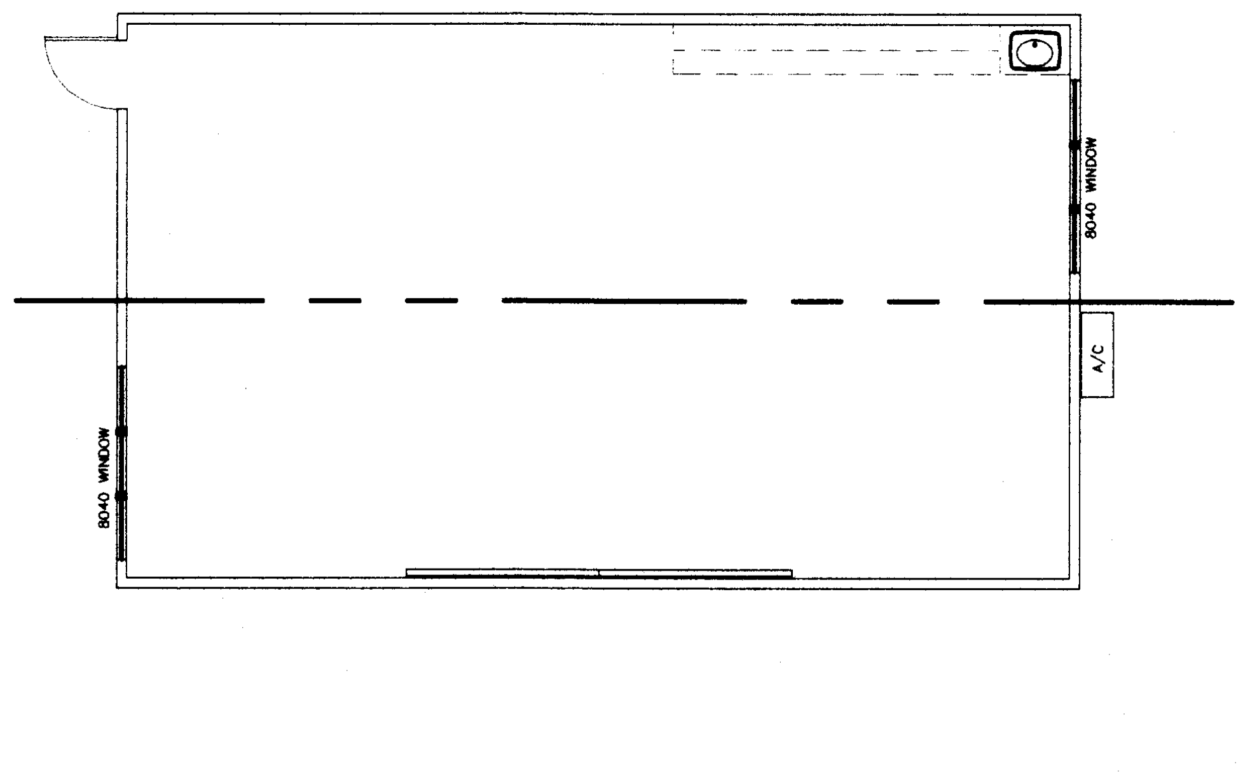
PROJECT No.

SHEET No.
N-1


ROOF OVERHANG
5'-0"
40'-0" BUILDING F.S. TO F.S.
2'-0" ROOF OVERHANG
30"
10"
BATTERY OPERATED CLOCK
2-8'X4' WHITE MARKERBOARDS (16' TOTAL)
8040 WINDOW
FIRE EXTINGUISHER LOCATION
+48" F.F. TO BRACKET
ELECTRICAL LOAD CENTER
TYPICAL MODULE LINE
11'-10"
CLASSROOM
CARPET
UNIT "A"
A/C
REAR
FRONT
UNIT "B"
8040 WINDOW
ROUGH PLUMBING BY AMS ONLY
CABINETS BY B.C.S.D. (N.I.C.)
11'-10"
23'-8" F.S. TO F.S.
23'-11" OVERALL F.O. TRIM TO F.O. TRIM
1
3068
4
1
2'-3"
2'-4"
47'-0" ± TOTAL ROOF LENGTH

FLOOR PLAN

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

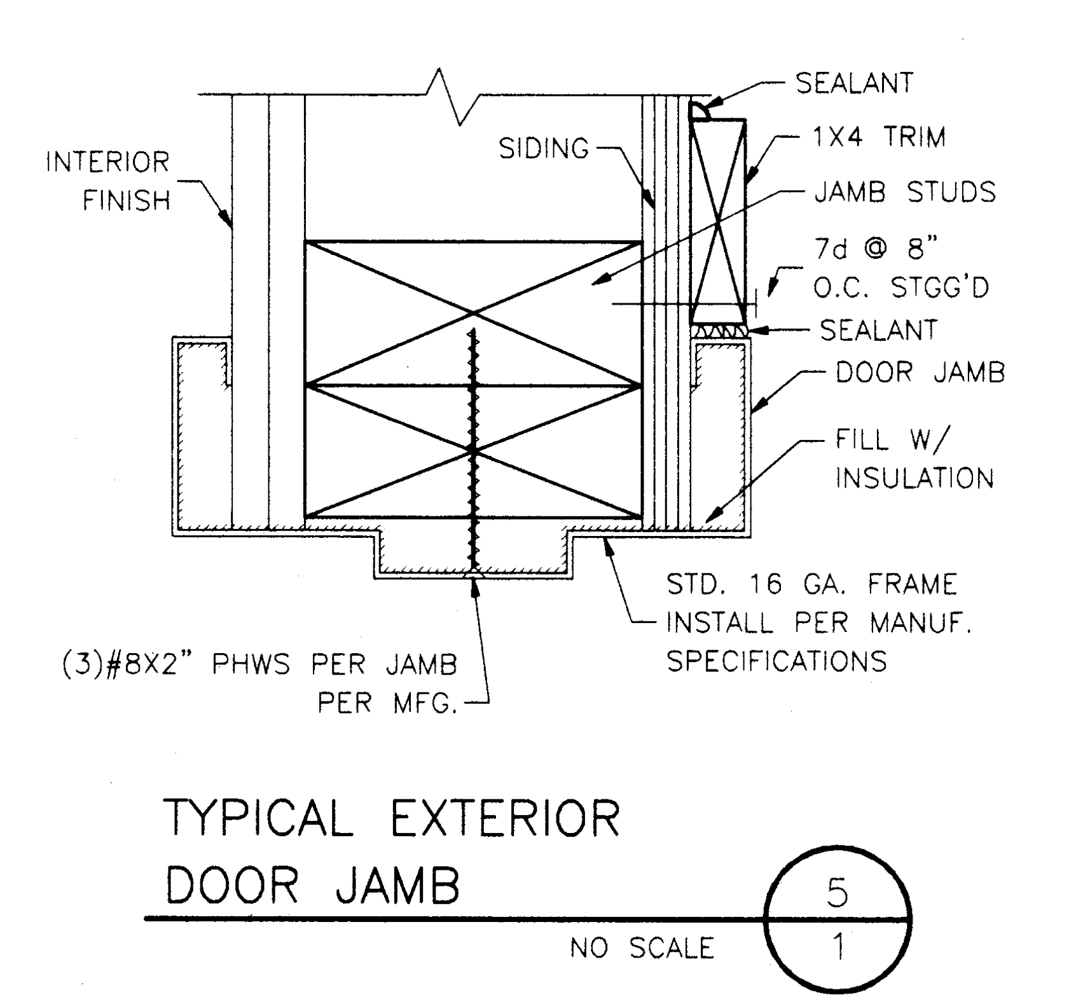

8040 WINDOW
A/C
8040 WINDOW

OPTIONAL FLOOR PLAN

SCALE: 1/8"=1'-0"

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

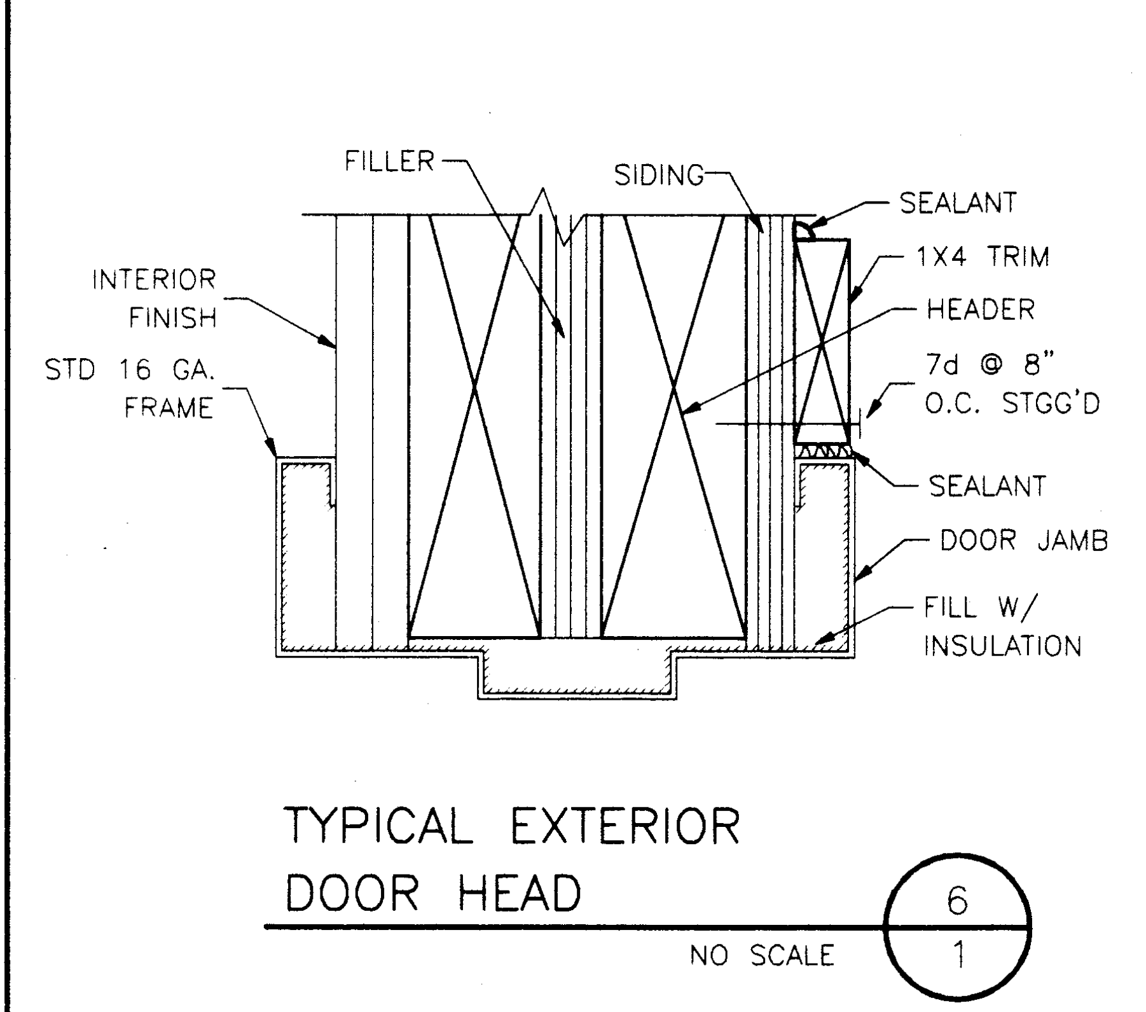
NOTES:
1. A.M.S. TO PROVIDE ROUGH PLUMBING ONLY.
2. FINISH PLUMBING BY OTHERS.
3. THERMOSTAT BY OTHERS.
4. FLOOR FINISH BY OTHERS.
5. EXTERIOR DOOR LOCK BY OTHERS.
6. CONCRETE FOUNDATION BY OTHERS.


SEALANT
INTERIOR FINISH
SIDING
1X4 TRIM
JAMB STUDS
7d @ 8" O.C. STGG'D
SEALANT
DOOR JAMB
FILL W/ INSULATION
STD. 16 GA. FRAME
INSTALL PER MANUF. SPECIFICATIONS
(3)#8X2" PHWS PER JAMB PER MFG.
5
1

TYPICAL EXTERIOR DOOR JAMB

NO SCALE

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.


FILLER
SIDING
SEALANT
INTERIOR FINISH
1X4 TRIM
STD 16 GA. FRAME
HEADER
7d @ 8" O.C. STGG'D
SEALANT
DOOR JAMB
FILL W/ INSULATION
6
1

TYPICAL EXTERIOR DOOR HEAD

NO SCALE

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

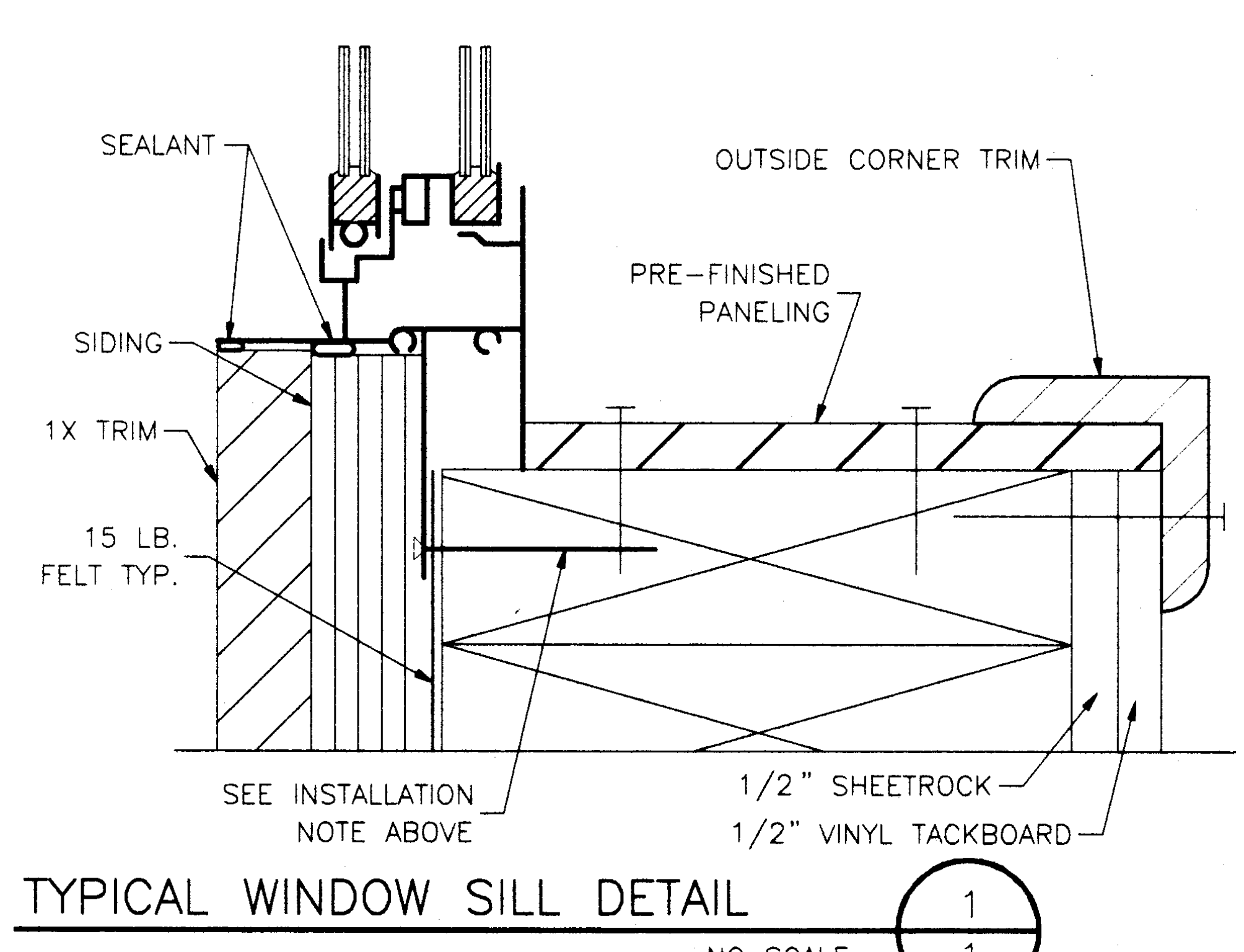
THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK) .
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED, SEE SHEET NO.).

Stephen J. Corbin, NCARB, AIA DATE 8/23/00

STEPHEN J. CORBIN No. C-16788 REN 11/30/01

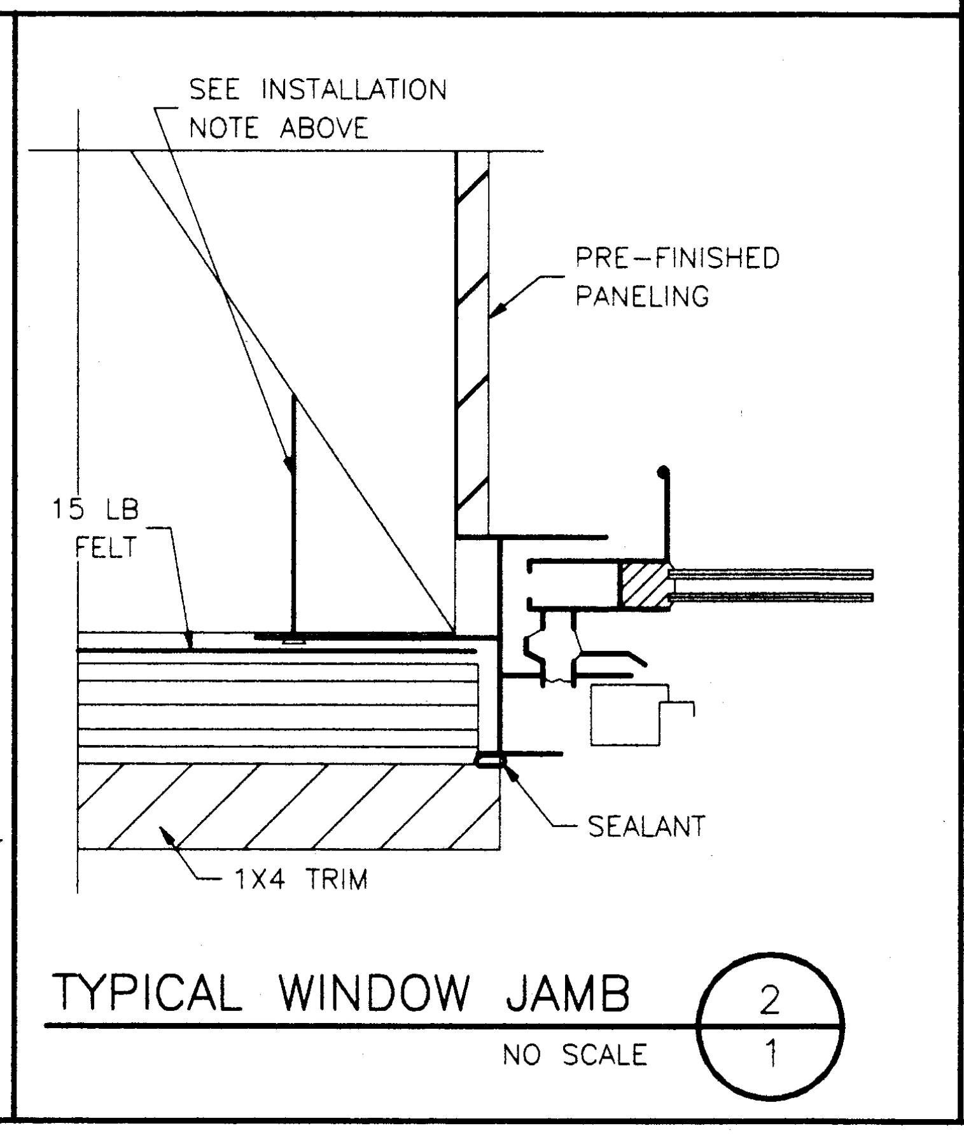
LICENSE # C-16788

EXP. DATE 11/30/01


SEALANT
OUTSIDE CORNER TRIM
PRE-FINISHED PANELING
SIDING
1X TRIM
15 LB. FELT TYP.
SEE INSTALLATION NOTE ABOVE
1/2" SHEETROCK
1/2" VINYL TACKBOARD
1
1

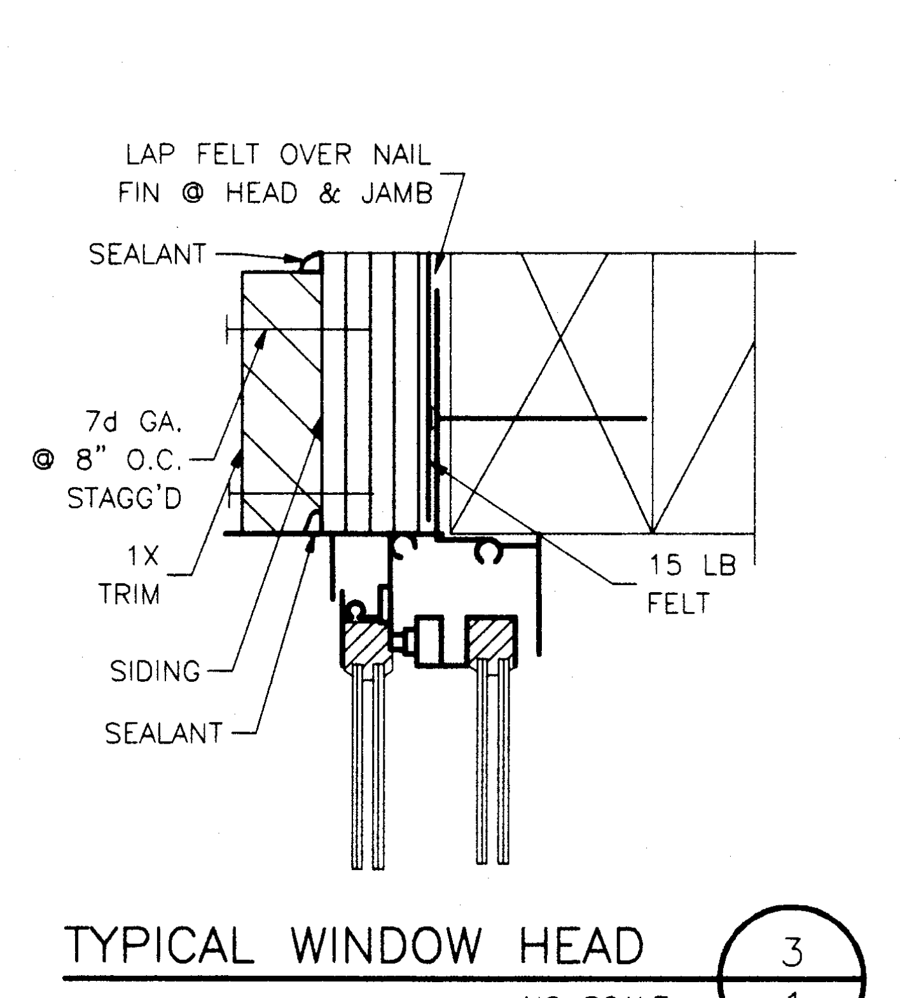
TYPICAL WINDOW SILL DETAIL

NO SCALE


SEE INSTALLATION NOTE ABOVE
PRE-FINISHED PANELING
15 LB FELT
SEALANT
1X4 TRIM
2
1

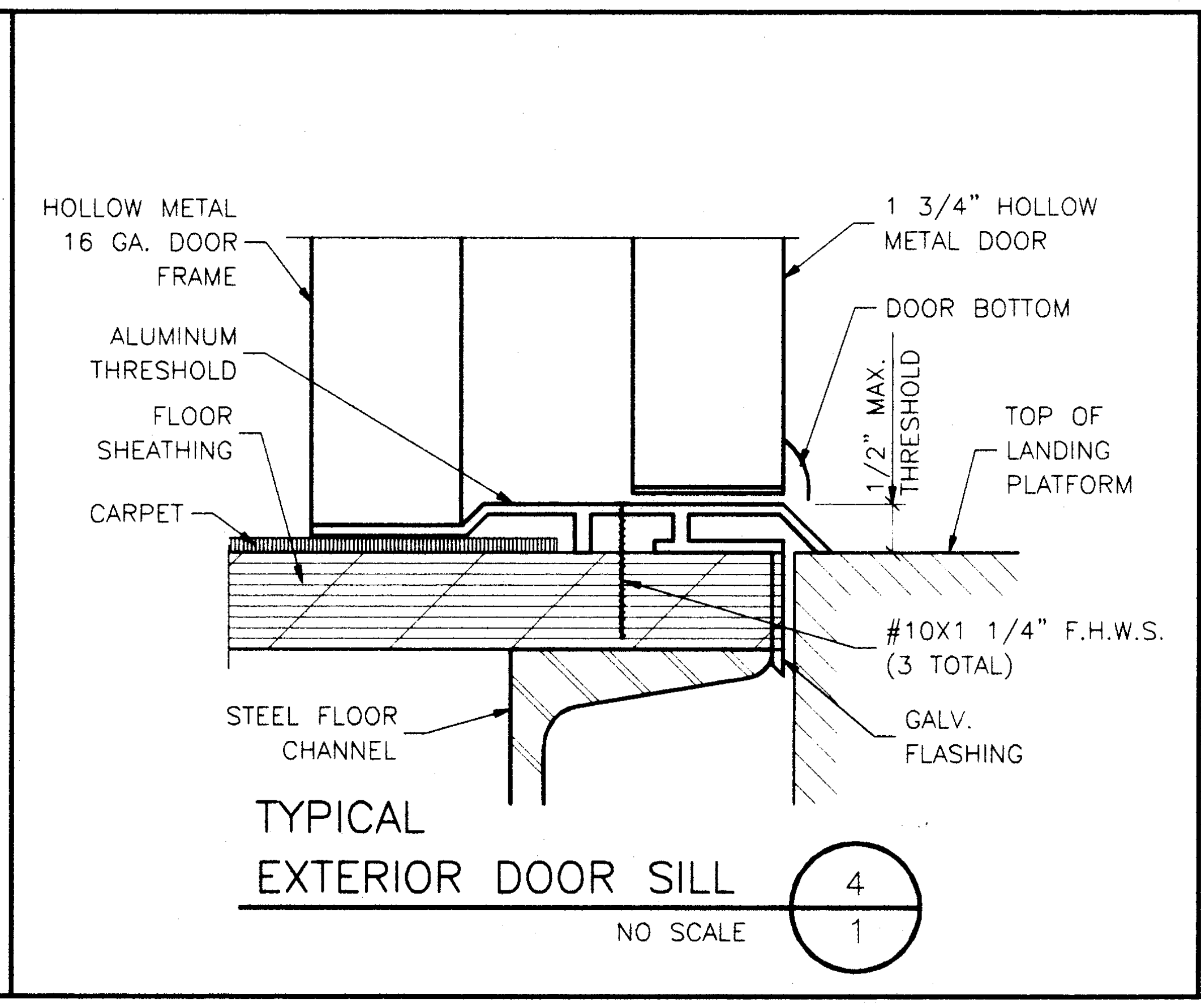
TYPICAL WINDOW JAMB

NO SCALE


LAP FELT OVER NAIL FIN @ HEAD & JAMB
SEALANT
7d GA. @ 8" O.C. STAGG'D
1X TRIM
SIDING
SEALANT
15 LB FELT
3
1

TYPICAL WINDOW HEAD

NO SCALE


HOLLOW METAL 16 GA. DOOR FRAME
1 3/4" HOLLOW METAL DOOR
DOOR BOTTOM
ALUMINUM THRESHOLD
1/2" MAX. THRESHOLD
FLOOR SHEATHING
TOP OF LANDING PLATFORM
CARPET
#10X1 1/4" F.H.W.S. (3 TOTAL)
STEEL FLOOR CHANNEL
GALV. FLASHING
4
1

TYPICAL EXTERIOR DOOR SILL

NO SCALE

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 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.

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.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 calendered 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 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 tackboard as manufactured by
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.

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 & 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 glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle 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 GS101–88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

HARDWARE
1. Exterior Door
A) Hinges: HAGER 4–1/2X4–1/2 butts, BB1279 US26D,1–1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
B) Lockset: Classroom lever handle lockset, panic bar type, BY DISTRICT (lever on ext.) or Corbin or Yale or equivalent. ALUM. finish.

C) Closer: Norton 7500DA 110° OPENING

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 TH042 door bottom.
F) Doorstop: Quality #44, or equal.

FIRE EXTINGUISHER
1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2AIOBC 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.

MARKERBOARD SPECIFICATIONS
Chalkboards(standard) shall have green facing sheet.
Markerboards(extra cost option)
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, perpanel shall be provided. One flag holder, 1/2" size, 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/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

FILE NO. 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 03-104224
AC FLS SS
DATE 2001

24 X 40
RELOCATABLE
CLASSROOMS

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

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT

FLOOR PLAN & NOTES

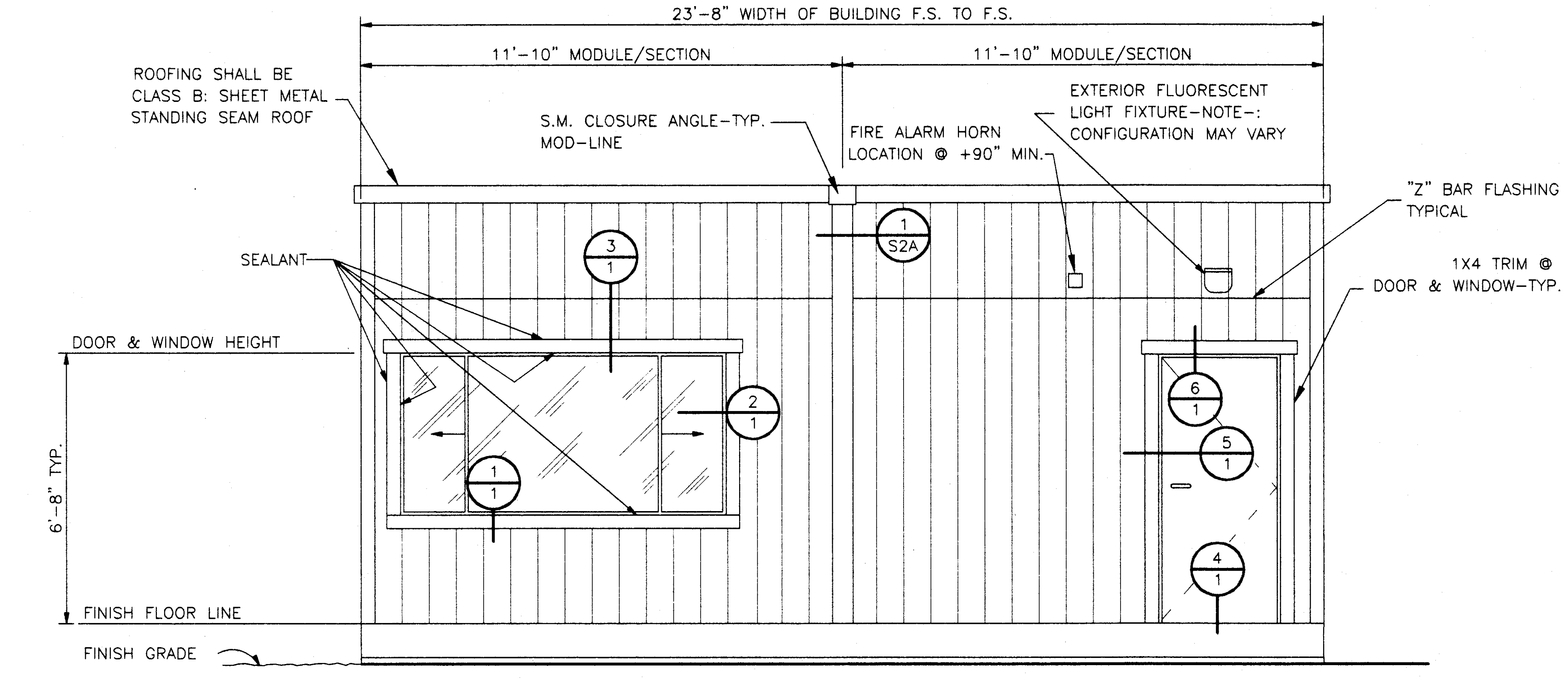
DATE: JUNE 9, 2000
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

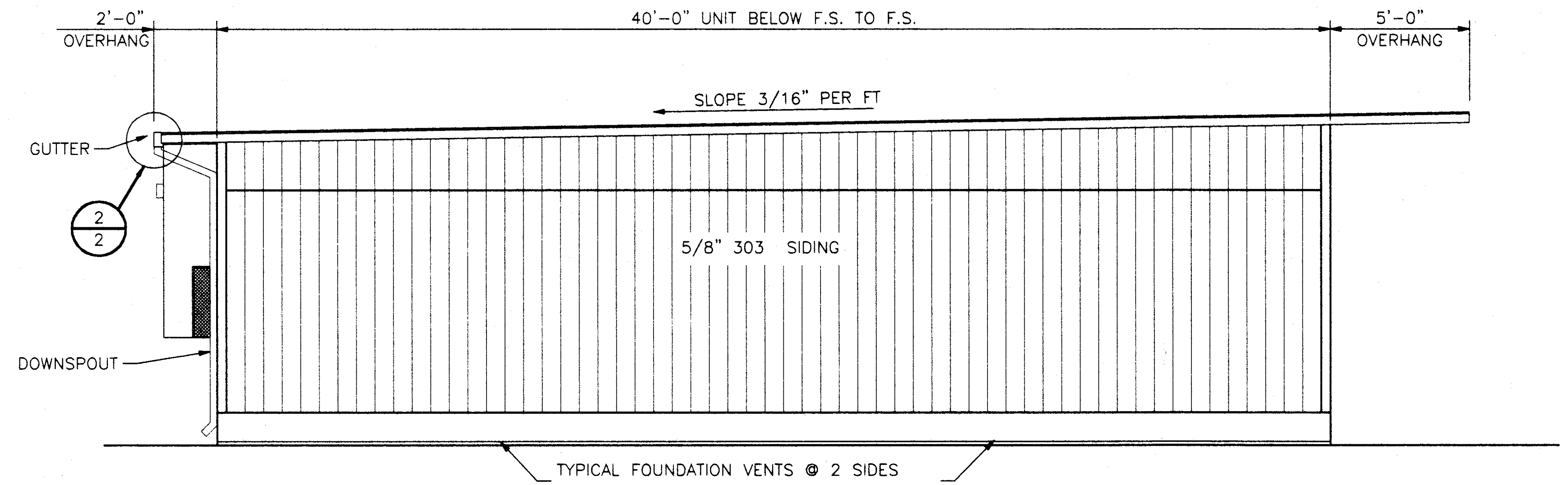
PROJECT No.

SHEET No.
1


23'-8" WIDTH OF BUILDING F.S. TO F.S.
11'-10" MODULE/SECTION
11'-10" MODULE/SECTION
ROOFING SHALL BE CLASS B: SHEET METAL STANDING SEAM ROOF
S.M. CLOSURE ANGLE-TYP. MOD-LINE
FIRE ALARM HORN LOCATION @ +90" MIN.
EXTERIOR FLUORESCENT LIGHT FIXTURE-NOTE-: CONFIGURATION MAY VARY
"Z" BAR FLASHING TYPICAL
1X4 TRIM @ DOOR & WINDOW-TYP.
SEALANT
DOOR & WINDOW HEIGHT
6'-8" TYP.
FINISH FLOOR LINE
FINISH GRADE
3/1
1/S2A
2/1
1/1
6/1
5/1
4/1

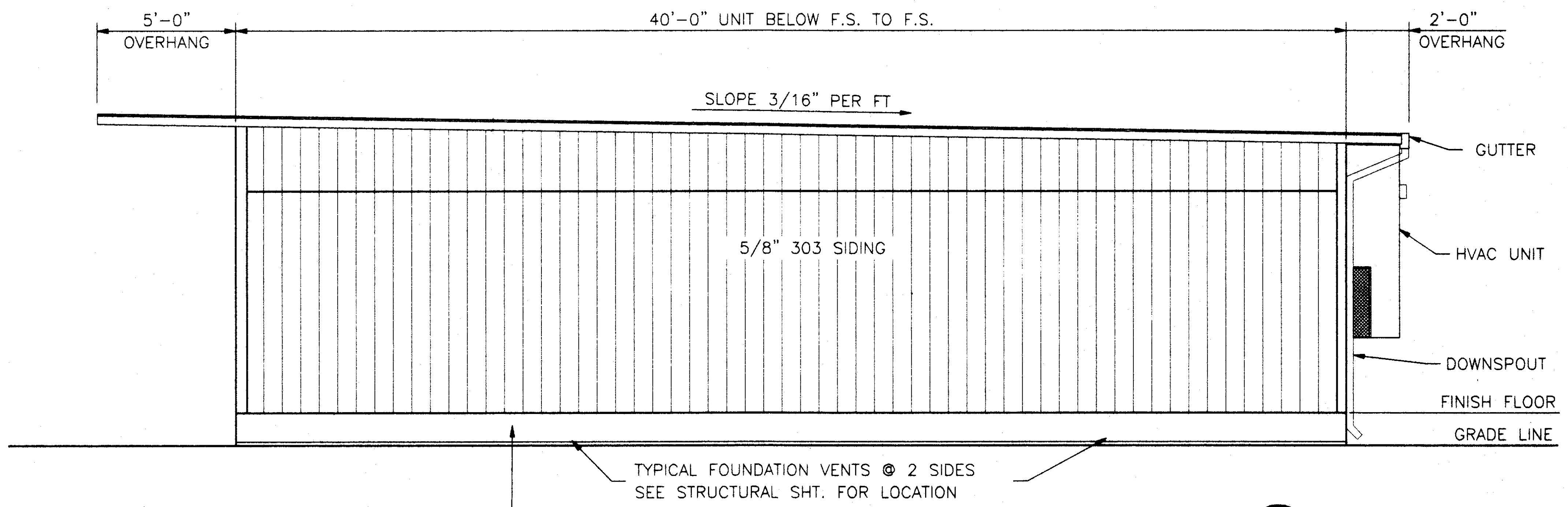
FRONT END/ENTRY ELEVATION (D)

SCALE:3/8"=1'-0"


2'-0" OVERHANG
40'-0" UNIT BELOW F.S. TO F.S.
5'-0" OVERHANG
SLOPE 3/16" PER FT
GUTTER
2/2
5/8" 303 SIDING
DOWNSPOUT
TYPICAL FOUNDATION VENTS @ 2 SIDES SEE STRUCTURAL SHT. FOR LOCATION

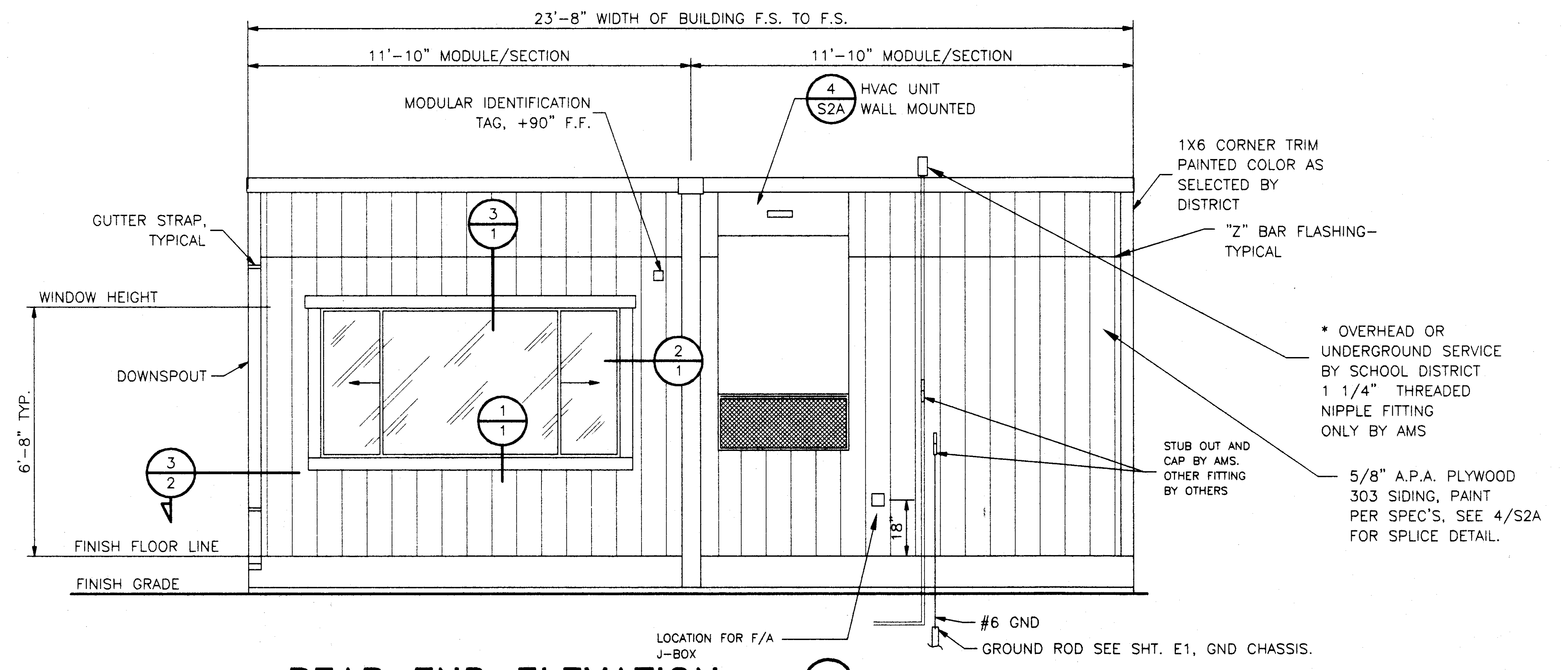
LEFT SIDE ELEVATION (B)

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

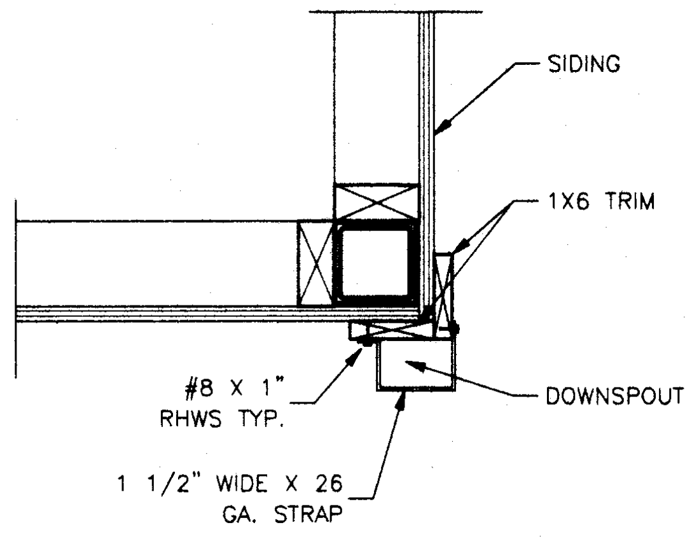

5'-0" OVERHANG
40'-0" UNIT BELOW F.S. TO F.S.
2'-0" OVERHANG
SLOPE 3/16" PER FT
GUTTER
5/8" 303 SIDING
HVAC UNIT
DOWNSPOUT
FINISH FLOOR
GRADE LINE
TYPICAL FOUNDATION VENTS @ 2 SIDES SEE STRUCTURAL SHT. FOR LOCATION
5/8" 303 SIDING W/ NO GROOVES AT SKIRT. TYP ALL AROUND

RIGHT SIDE ELEVATION (C)

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

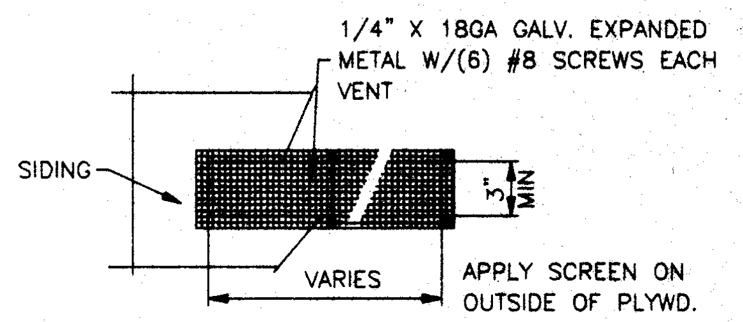

23'-8" WIDTH OF BUILDING F.S. TO F.S.
11'-10" MODULE/SECTION
11'-10" MODULE/SECTION
MODULAR IDENTIFICATION TAG, +90" F.F.
4/S2A HVAC UNIT WALL MOUNTED
1X6 CORNER TRIM PAINTED COLOR AS SELECTED BY DISTRICT
"Z" BAR FLASHING-TYPICAL
GUTTER STRAP, TYPICAL
WINDOW HEIGHT
DOWNSPOUT
6'-8" TYP.
* OVERHEAD OR UNDERGROUND SERVICE BY SCHOOL DISTRICT 1 1/4" THREADED NIPPLE FITTING ONLY BY AMS
STUB OUT AND CAP BY AMS. OTHER FITTING BY OTHERS
5/8" A.P.A. PLYWOOD 303 SIDING, PAINT PER SPEC'S. SEE 4/S2A FOR SPLICE DETAIL.
18"
FINISH FLOOR LINE
FINISH GRADE
LOCATION FOR F/A J-BOX
#6 GND
GROUND ROD SEE SHT. E1, GND CHASSIS.
3/1
2/1
1/1
3/2

REAR END ELEVATION (A)


SIDING
1X6 TRIM
DOWNSPOUT
#8 x 1" RHWS TYP.
1 1/2" WIDE x 26 GA. STRAP

DOWNSPOUT DETAIL (3/2)

1 1/2"=1'-0"

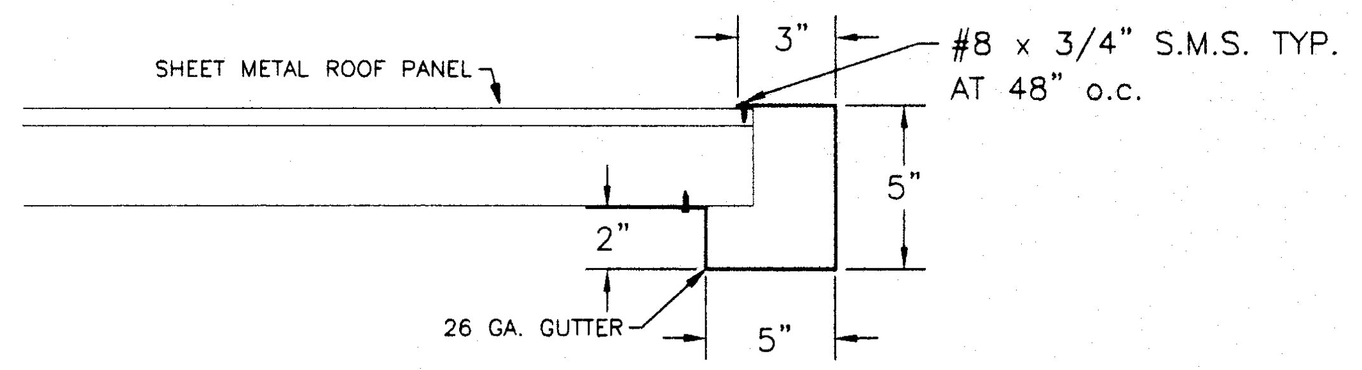

1/4" X 18GA GALV. EXPANDED METAL W/(6) #8 SCREWS EACH VENT
SIDING
VARIES
APPLY SCREEN ON OUTSIDE OF PLYWD.

REQUIRED VENT AREA
= 6.4 SQ. FTG.
=> 4 VENTS MIN.

VENT DETAIL

NO SCALE

SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.


SHEET METAL ROOF PANEL
3"
#8 x 3/4" S.M.S. TYP. AT 48" o.c.
5"
2"
26 GA. GUTTER
5"

GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ #8 x 3/4" S.M.S. @ 48" O.C. MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 1 1/2" WIDE ATTACHED TO BLDG. MAX. 6'-0" O.C.

GUTTER AT OVERHANG DETAIL (2/2)

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED, SEE SHEET).

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/01 STATE OF CALIFORNIA

Stephen J. Corbin, NCARB, AIA DATE 8/23/00

LICENSE # C-16788

EXP. DATE 11/30/01

FILE NO. 15-6

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

APPL. 03-104224

AC FLS SS
DATE MAR 01 2001

24 X 40
RELOCATABLE
CLASSROOMS

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

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT

EXTERIOR ELEVATIONS

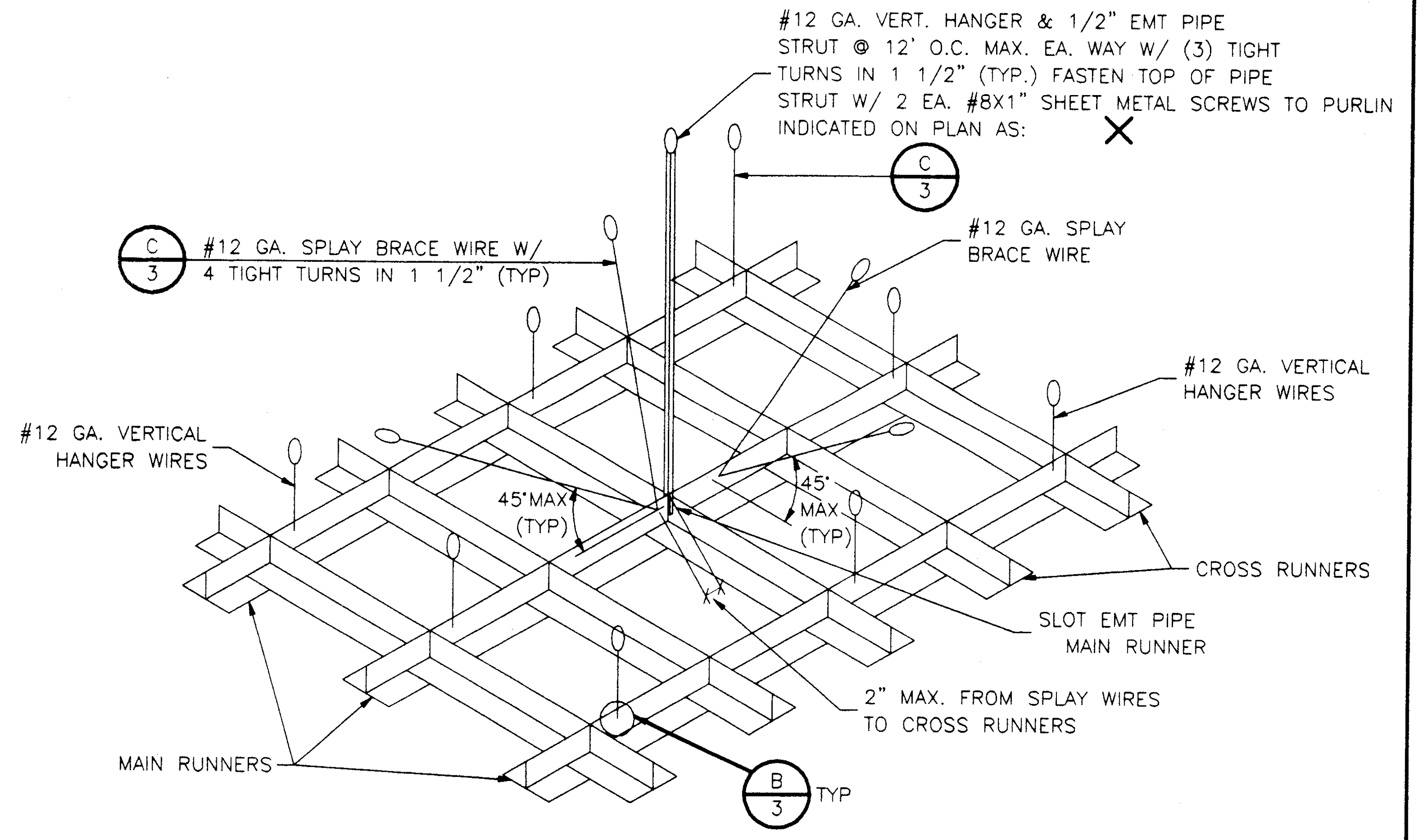
DATE: 06-09-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

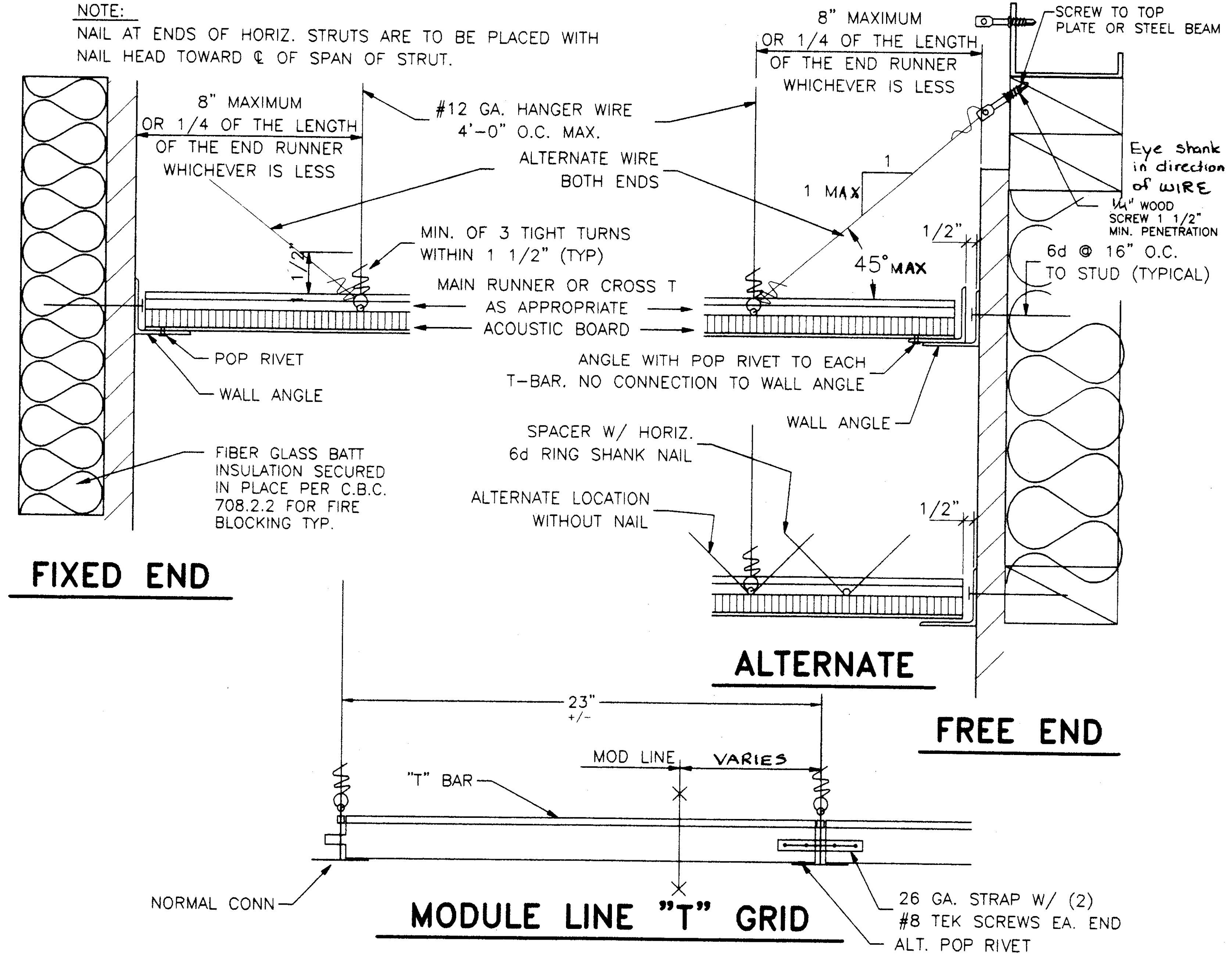
PROJECT No.

SHEET No.
2


#12 GA. VERT. HANGER & 1/2" EMT PIPE STRUT @ 12' O.C. MAX. EA. WAY W/ (3) TIGHT TURNS IN 1 1/2" (TYP.) FASTEN TOP OF PIPE STRUT W/ 2 EA. #8X1" SHEET METAL SCREWS TO PURLIN INDICATED ON PLAN AS: ✕
C 3
C 3 #12 GA. SPLAY BRACE WIRE W/ 4 TIGHT TURNS IN 1 1/2" (TYP)
#12 GA. SPLAY BRACE WIRE
#12 GA. VERTICAL HANGER WIRES
#12 GA. VERTICAL HANGER WIRES
45°MAX (TYP)
45° MAX. (TYP)
CROSS RUNNERS
SLOT EMT PIPE MAIN RUNNER
2" MAX. FROM SPLAY WIRES TO CROSS RUNNERS
MAIN RUNNERS
B 3 TYP

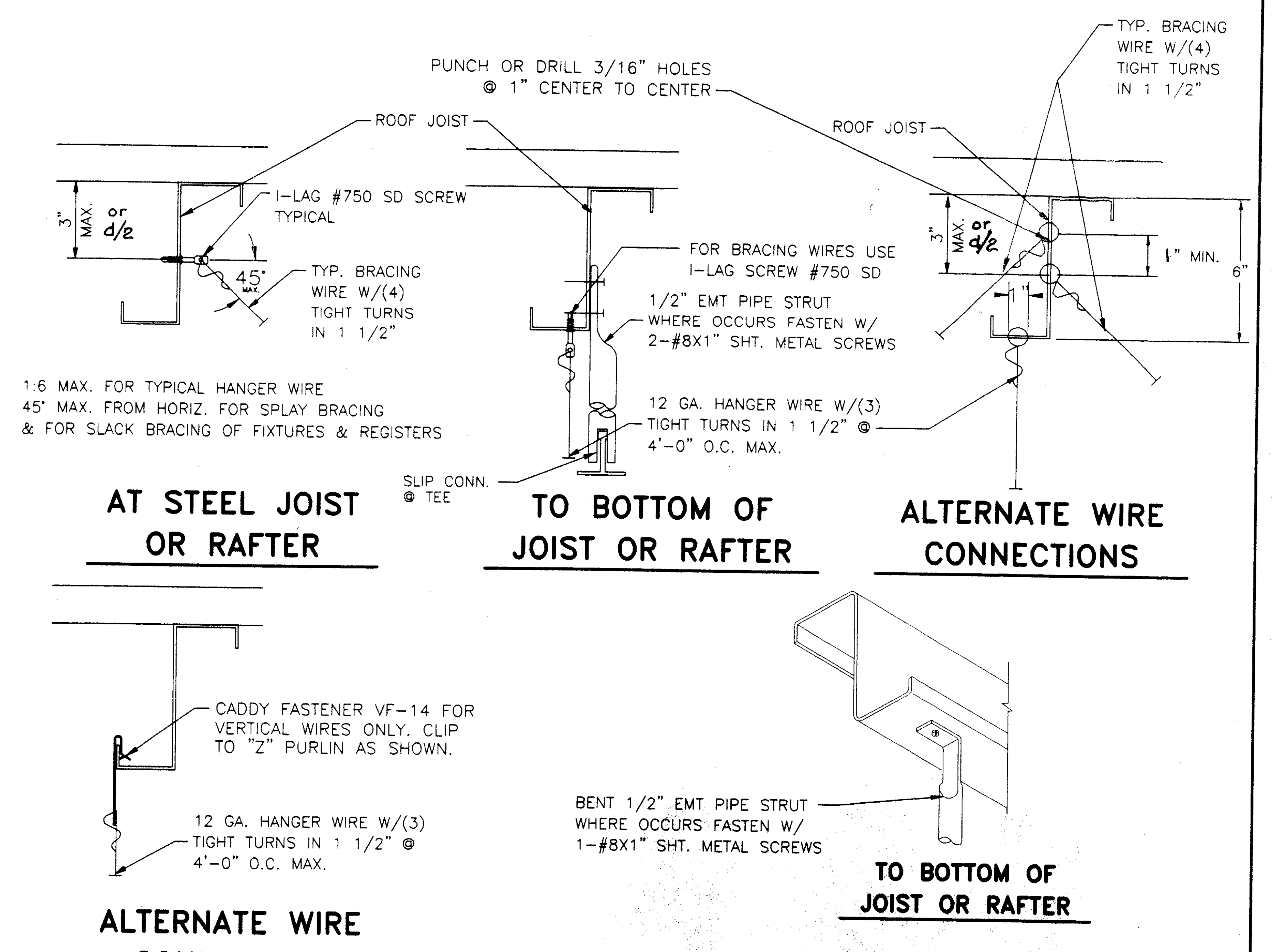
NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER. OR MORE THAN 6 FT. FROM WALLS.

ATTACHMENT FOR CEILING GRID
DETAIL (A/3)
NO SCALE

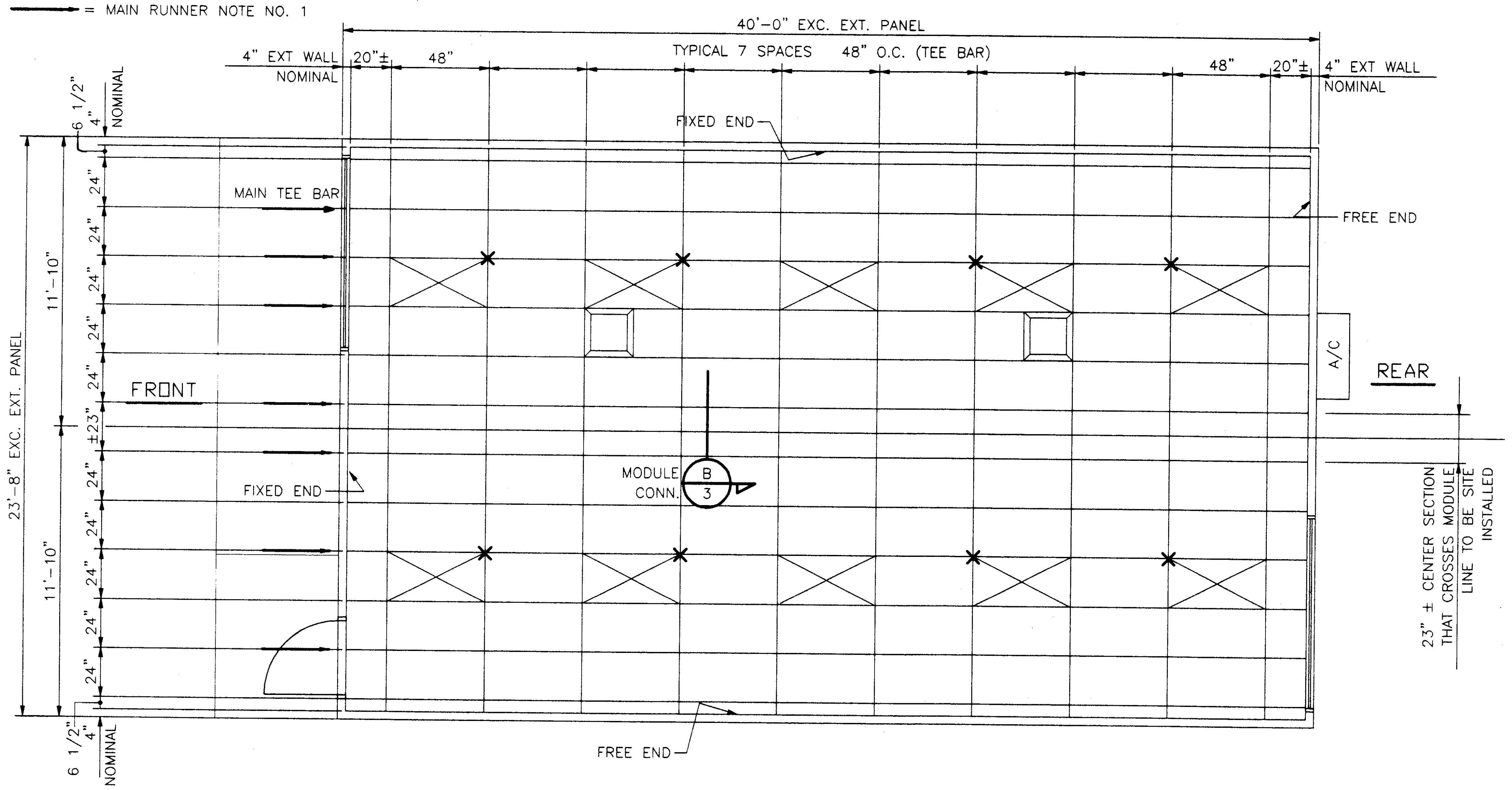

8" MAXIMUM OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS
#12 GA. HANGER WIRE 4'-0" O.C. MAX.
ALTERNATE WIRE BOTH ENDS
MIN. OF 3 TIGHT TURNS WITHIN 1 1/2" (TYP)
MAIN RUNNER OR CROSS T AS APPROPRIATE
ACOUSTIC BOARD
POP RIVET
WALL ANGLE
FIBER GLASS BATT INSULATION SECURED IN PLACE PER C.B.C. 708.2.2 FOR FIRE BLOCKING TYP.
FIXED END
8" MAXIMUM OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS
SCREW TO TOP PLATE OR STEEL BEAM
1 MAX
1
Eye shank in direction of wire
1/4" WOOD SCREW 1 1/2" MIN. PENETRATION
1/2"
45° MAX
6d @ 16" O.C. TO STUD (TYPICAL)
ANGLE WITH POP RIVET TO EACH T-BAR. NO CONNECTION TO WALL ANGLE
WALL ANGLE
SPACER W/ HORIZ. 6d RING SHANK NAIL
ALTERNATE LOCATION WITHOUT NAIL
1/2"
ALTERNATE
FREE END
23" +/-
MOD LINE
VARIES
"T" BAR
NORMAL CONN
MODULE LINE "T" GRID
26 GA. STRAP W/ (2) #8 TEK SCREWS EA. END
ALT. POP RIVET

NOTE:
NAIL AT ENDS OF HORIZ. STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD ℄ OF SPAN OF STRUT.

WIRE CONNECTIONS TO GRID
DETAILS (B/3)
NO SCALE


PUNCH OR DRILL 3/16" HOLES @ 1" CENTER TO CENTER
ROOF JOIST
3" MAX. or d/2
I-LAG #750 SD SCREW TYPICAL
45°
TYP. BRACING WIRE W/(4) TIGHT TURNS IN 1 1/2"
1:6 MAX. FOR TYPICAL HANGER WIRE
45° MAX. FROM HORIZ. FOR SPLAY BRACING
& FOR SLACK BRACING OF FIXTURES & REGISTERS
AT STEEL JOIST OR RAFTER
FOR BRACING WIRES USE I-LAG SCREW #750 SD
1/2" EMT PIPE STRUT WHERE OCCURS FASTEN W/ 2-#8X1" SHT. METAL SCREWS
12 GA. HANGER WIRE W/(3) TIGHT TURNS IN 1 1/2" @ 4'-0" O.C. MAX.
SLIP CONN. @ TEE
TO BOTTOM OF JOIST OR RAFTER
ROOF JOIST
TYP. BRACING WIRE W/(4) TIGHT TURNS IN 1 1/2"
3" MAX. or d/2
1" MIN.
6"
ALTERNATE WIRE CONNECTIONS
CADDY FASTENER VF-14 FOR VERTICAL WIRES ONLY. CLIP TO "Z" PURLIN AS SHOWN.
12 GA. HANGER WIRE W/(3) TIGHT TURNS IN 1 1/2" @ 4'-0" O.C. MAX.
ALTERNATE WIRE CONNECTION
BENT 1/2" EMT PIPE STRUT WHERE OCCURS FASTEN W/ 1-#8X1" SHT. METAL SCREWS
TO BOTTOM OF JOIST OR RAFTER

CONNECTIONS TO STEEL JOISTS OR PURLINS
DETAIL (C/3)
NO SCALE


= MAIN RUNNER NOTE NO. 1
40'-0" EXC. EXT. PANEL
4" EXT WALL NOMINAL
20"±
48"
TYPICAL 7 SPACES 48" O.C. (TEE BAR)
48"
20"±
4" EXT WALL NOMINAL
6 1/2"
4" NOMINAL
FIXED END
MAIN TEE BAR
FREE END
24"
11'-10"
23'-8" EXC. EXT. PANEL
±23"
FRONT
FIXED END
MODULE CONN.
B 3
A/C
REAR
11'-10"
FREE END
23" ± CENTER SECTION THAT CROSSES MODULE LINE TO BE SITE INSTALLED

CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

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

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED, SEE SHEET NO.

Stephen J. Corbin, NCARB, AIA DATE

LICENSE # C-16788

EXP. DATE 11/30/01

LICENSED ARCHITECT
STEPHEN J. CORBIN
No. C-16788
REN 11/30/01
STATE OF CALIFORNIA

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 diagonlly to ceiling grid system runners, one end of main and cross runners should* BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   - (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   - (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., 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 OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL PER TABLE A.
    MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER PER TABLE A.

    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101887
AC FLS SS
DATE JAN 12 2000

REV. 4-10-00

TABLE A HEAVY DUTY GRID COMPONENTS

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

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 02-101488
AC. FLS. SS
DATE OCT 19 1999

24 X 40
RELOCATABLE
CLASSROOMS

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

CUSTOMER:

CEILING GRID, DETAILS AND NOTES

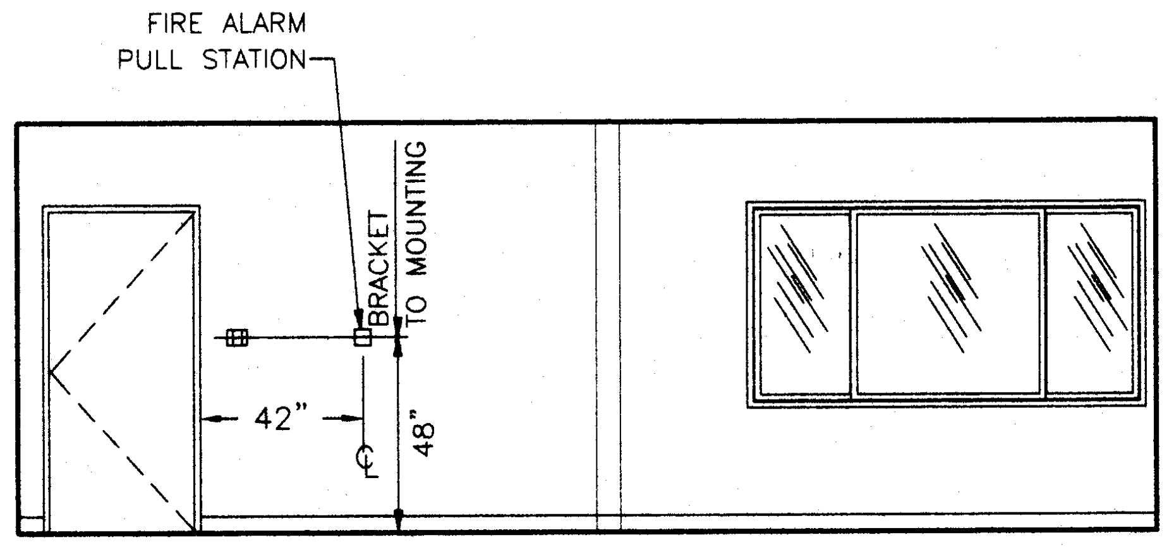
DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

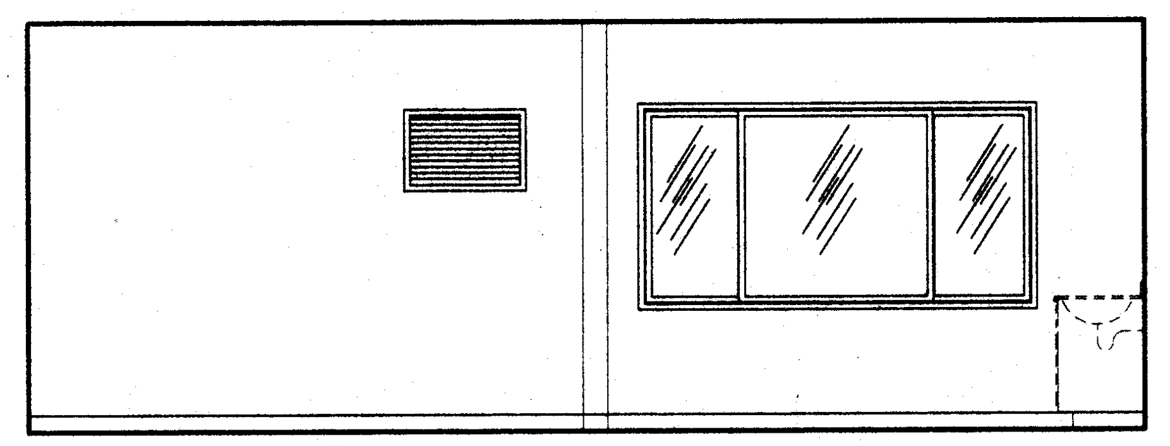
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
3


FIRE ALARM
PULL STATION
BRACKET
TO MOUNTING
42"
48"

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



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

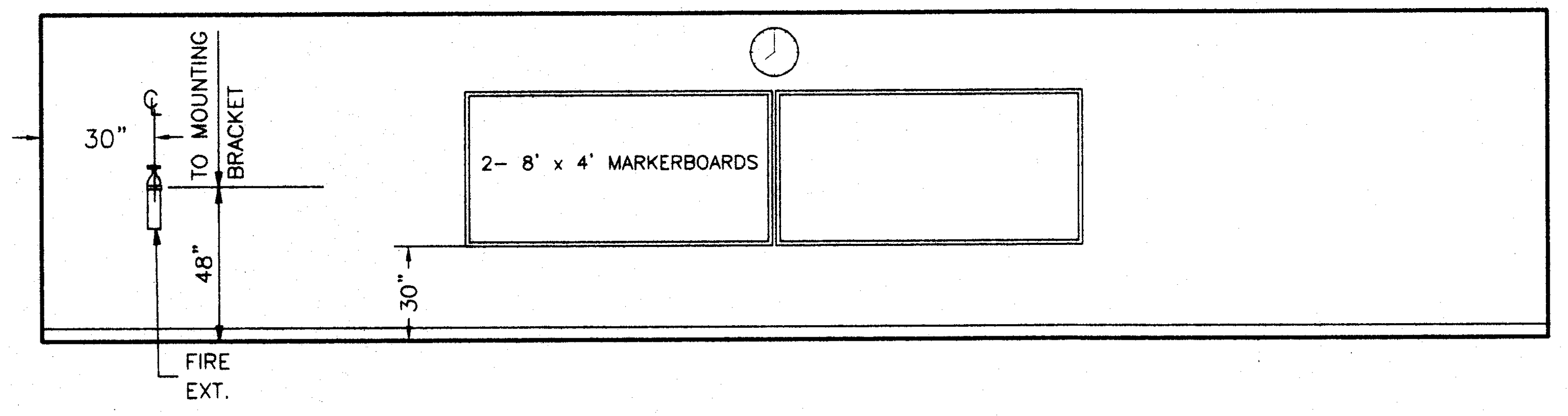
THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED, SEE SHEET NO.).

No. C-16788
REN 11/30/01

Stephen J. Corbin, NCARB, AIA **DATE** 8/23/00

LICENSE # C-16788

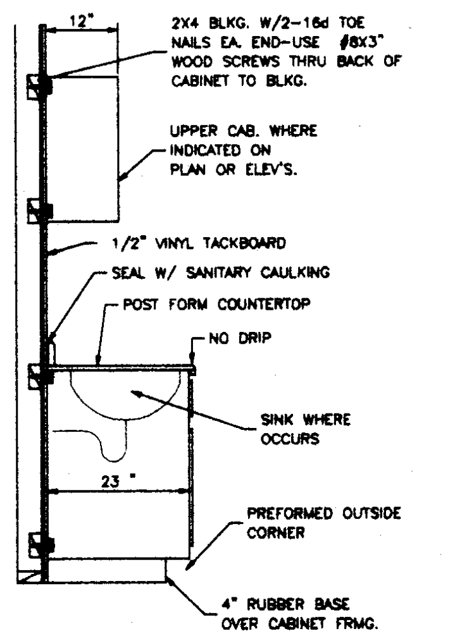
EXP. DATE 11/30/01


30"
TO MOUNTING
BRACKET
48"
30"
2- 8' x 4' MARKERBOARDS
FIRE
EXT.

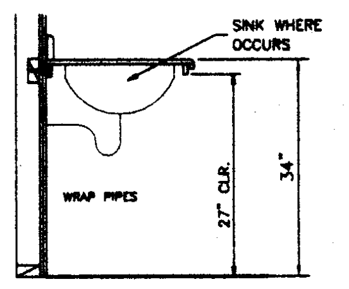
INTERIOR ELEVATION 3/4
1/4" = 1'-0"

CABINETS & MILLWORK

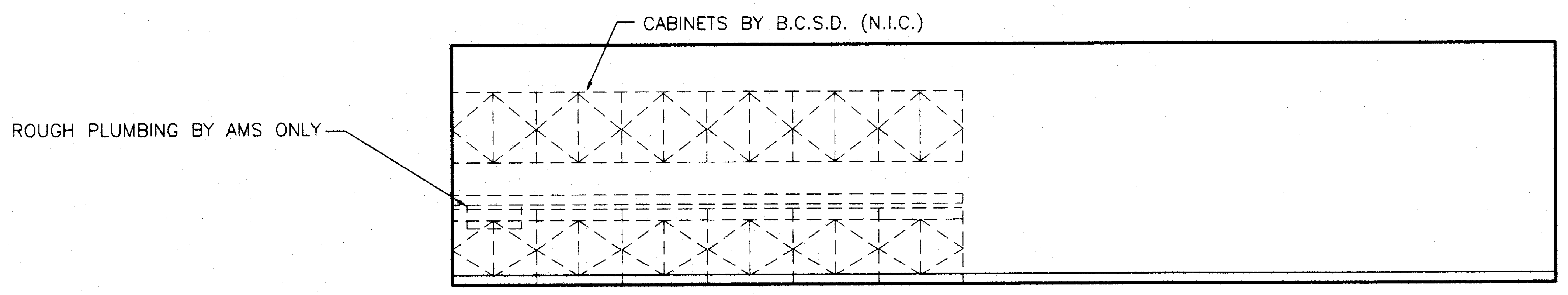
1. MATERIAL & FABRICATION STANDARDS:
   A. WIC STANDARDS: WORK SHALL CONFORM TO (WIC) WOODWORK INSTITUTE OF CALIFORNIA, APRIL 1988 EDITION, SECTION 14- WOOD CASEWORK.
2. GENERAL MATERIAL & FABRICATION REQUIREMENTS:
   A. COUNTER TOPS: PLASTIC LAMINATE OVERLAID ON PARTICLE BOARD: 6 " POST FORMED BACKSPLASH. NO DRIP EDGE. SEE PLANS FOR BACK SPLASH REQ.
   B. CABINETS: EXPOSED FACES SHALL BE PLASTIC LAMINATE WITH WHITE POLYESTER ON INSIDE FACES.
   C. CABINET GRADE: "CUSTOM GRADE" AS DEFINED BY WIC.
   D. CABINET FINISH: WILSONART OR EQUAL.
   E. CABINET ANCHORAGE: USE (2) ROWS OF #8 WOOD SCREWS 18" O.C. (EMBED 1 1/2" MIN. INTO STUD/BLKG. W/ MIN. (4) SCREWS PER CABINET UNIT, 1E (1) EA. CORNER.)


12"
2X4 BLKG. W/2-16d TOE NAILS EA. END-USE #8X3" WOOD SCREWS THRU BACK OF CABINET TO BLKG.
UPPER CAB. WHERE INDICATED ON PLAN OR ELEV'S.
1/2" VINYL TACKBOARD
SEAL W/ SANITARY CAULKING
POST FORM COUNTERTOP
NO DRIP
SINK WHERE OCCURS
23 "
PREFORMED OUTSIDE CORNER
4" RUBBER BASE OVER CABINET FRMG.

TYPICAL CABINET
CROSS SECTION A/4


SINK WHERE OCCURS
WRAP PIPES
27" CLR.
34"

HANDICAP ACCESSIBLE CABINET
CROSS SECTION B/4


CABINETS BY B.C.S.D. (N.I.C.)
ROUGH PLUMBING BY AMS ONLY

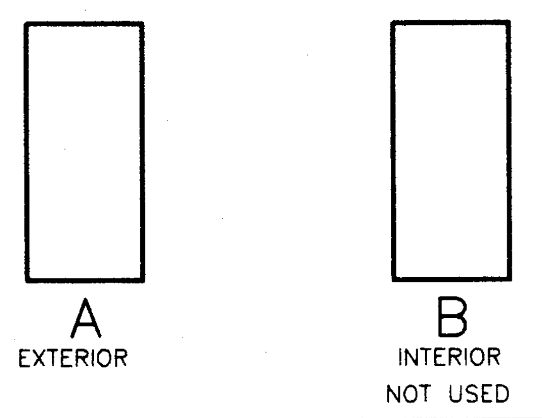
INTERIOR ELEVATION 4/4
1/4" = 1'-0"

FILE NO. 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 03-104224
AC FLS SS
DATE MAR [illegible] 2001

DOOR SCHEDULE

DOOR NO.	OPENING SIZE	DOOR TYPE	DOOR THK.	DOOR MAT'L	FRAME MAT'L	DETAILS SHT. 1 HEAD	DETAILS SHT. 1 JAMB	DETAILS SHT. 1 THRESHOLD	GLAZING	RATING		REMARKS
1	3'-0"X6'-8"	A	1 3/4"	H.M	H.M				N/A	N/A		

DOOR TYPES


A
EXTERIOR
B
INTERIOR
NOT USED

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	MISC.	CLG. HT.	REMARKS
01	CLASSROOM	F2	B1	W1	W1	W1	W1	C1	N/A	8-6	N/A

FINISHES

FLOOR FINISHES
F1 VINYL COMPOSITION TILE
F2 CARPETING
F3 SHEET VINYL

BASE FINISHES
B1 RUBBER COVE BASE

REMARKS
1 SEE PLAN FOR LOCATION OF FLOOR FINISHES

WALL FINISHES
W1 1/2" VINYL WRAPPED SOUND BOARD OVER 1/2" GYPSUM BD.
W2 1/8" MARLITE OVER 1/2" GYPSUM BOARD

CEILING FINISHES
C1 SUSPENDED LAY-IN ACOUSTIC TILE

MISCELLANEOUS FINISHES

24 X 40 PC
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT

INTERIOR ELEVATIONS AND OPTIONS

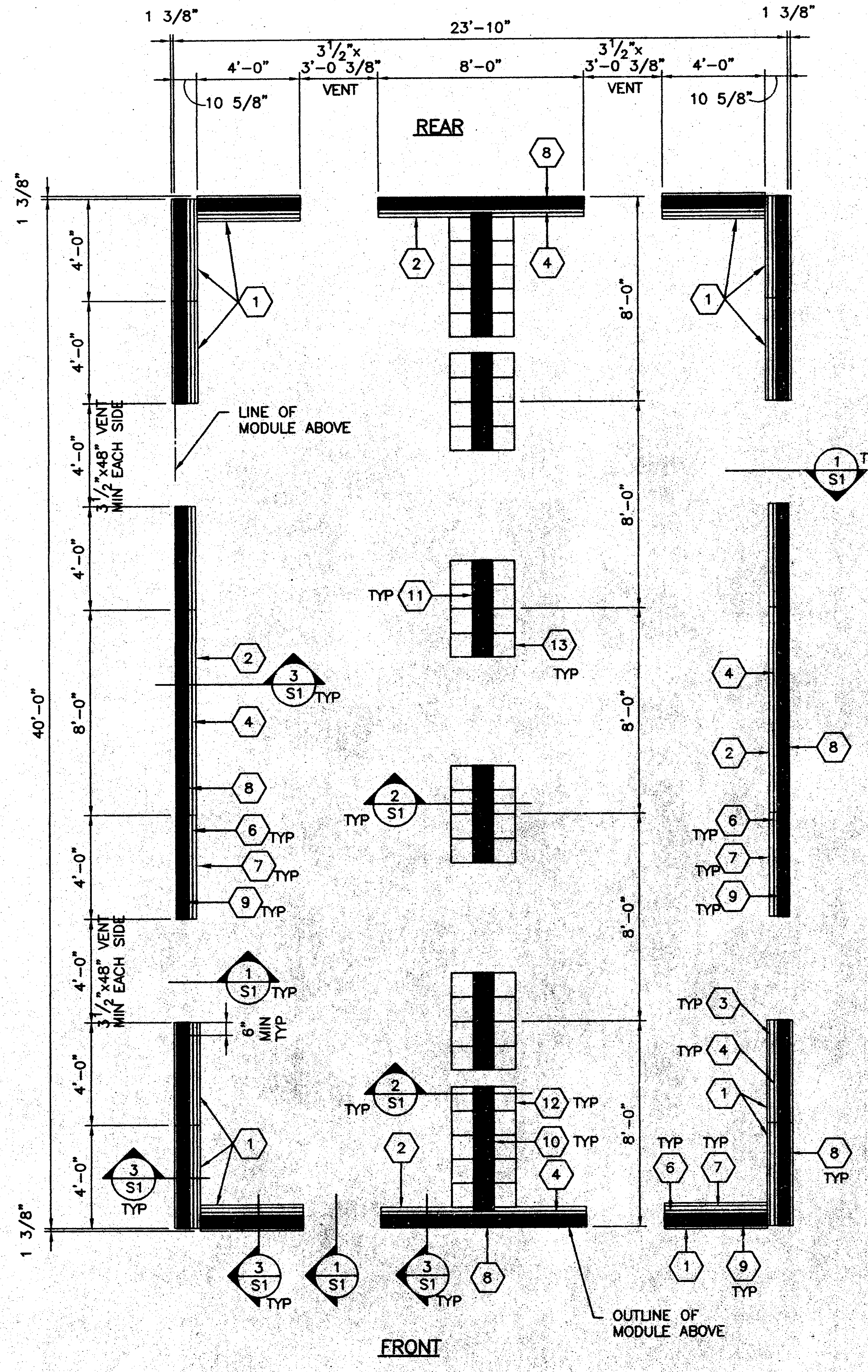
DATE: 06-09-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
4


1 3/8"
23'-10"
1 3/8"
4'-0"
3 1/2"x 3'-0 3/8" VENT
8'-0"
3 1/2"x 3'-0 3/8" VENT
4'-0"
10 5/8"
10 5/8"
REAR
FRONT
40'-0"
4'-0"
8'-0"
3 1/2"x48" VENT MIN EACH SIDE
6" MIN TYP
LINE OF MODULE ABOVE
OUTLINE OF MODULE ABOVE
TYP
1
2
3
4
6
7
8
9
10
11
12
13
1/S1
2/S1
3/S1

FOUNDATION PLAN

A/S1

1/4" = 1'-0"

LEGEND

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

● 1" ø GALV. PIPE LOCATIONS–TYPICAL

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. 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.
6. VENT AREA REQUIRED=$\left(\frac{960\ SF}{150\ SF}\right)$=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 ℞. 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 ℞). 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, 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. 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 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 AWPB 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.

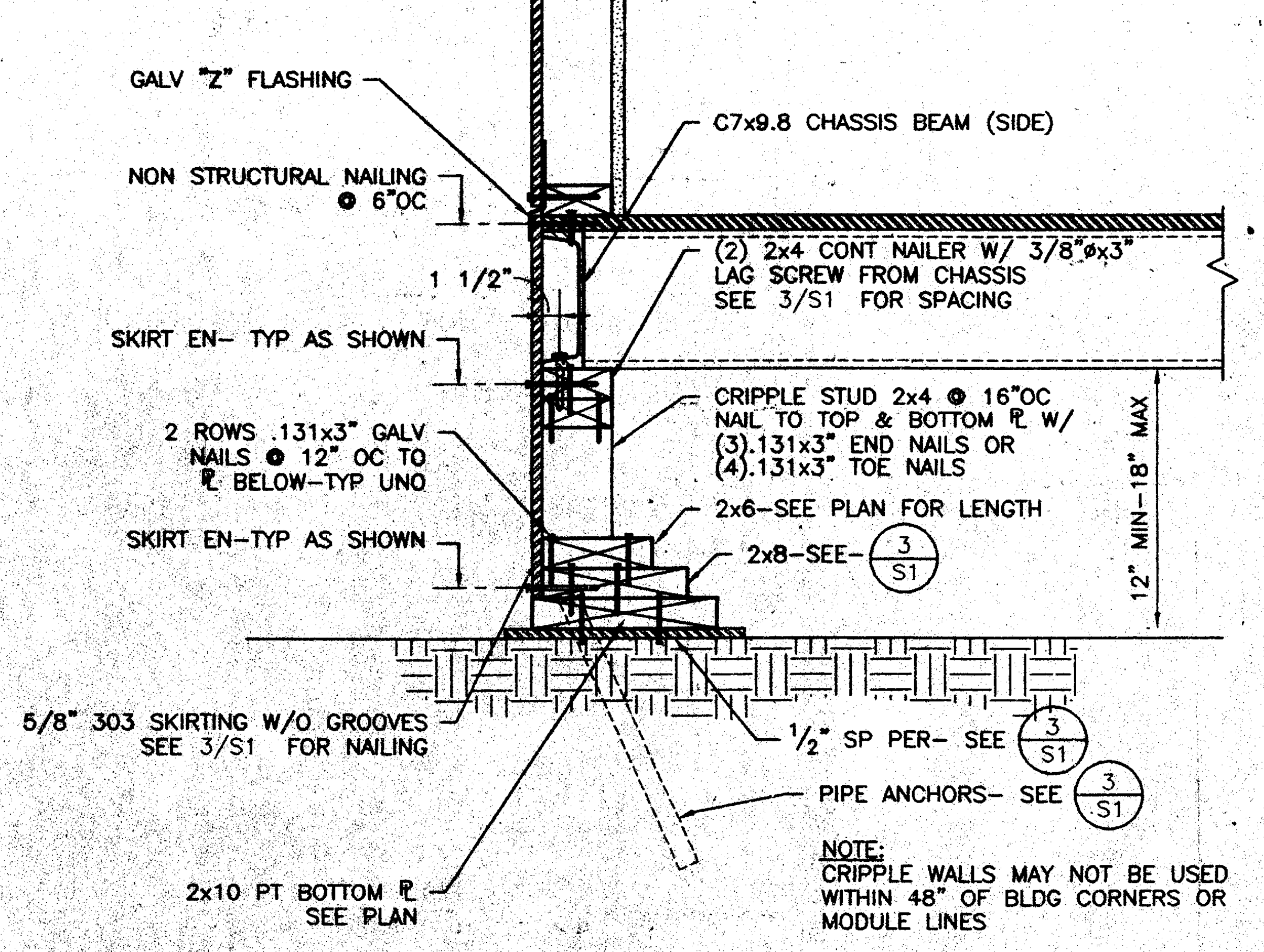
THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK.)
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED (SEE DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE [illegible] SEE SHEET [illegible]

[illegible], AIA DATE 8/23/00

LICENSE # [illegible]

EXP. DATE 11/30/01

LICENSED ARCHITECT STATE OF CALIFORNIA

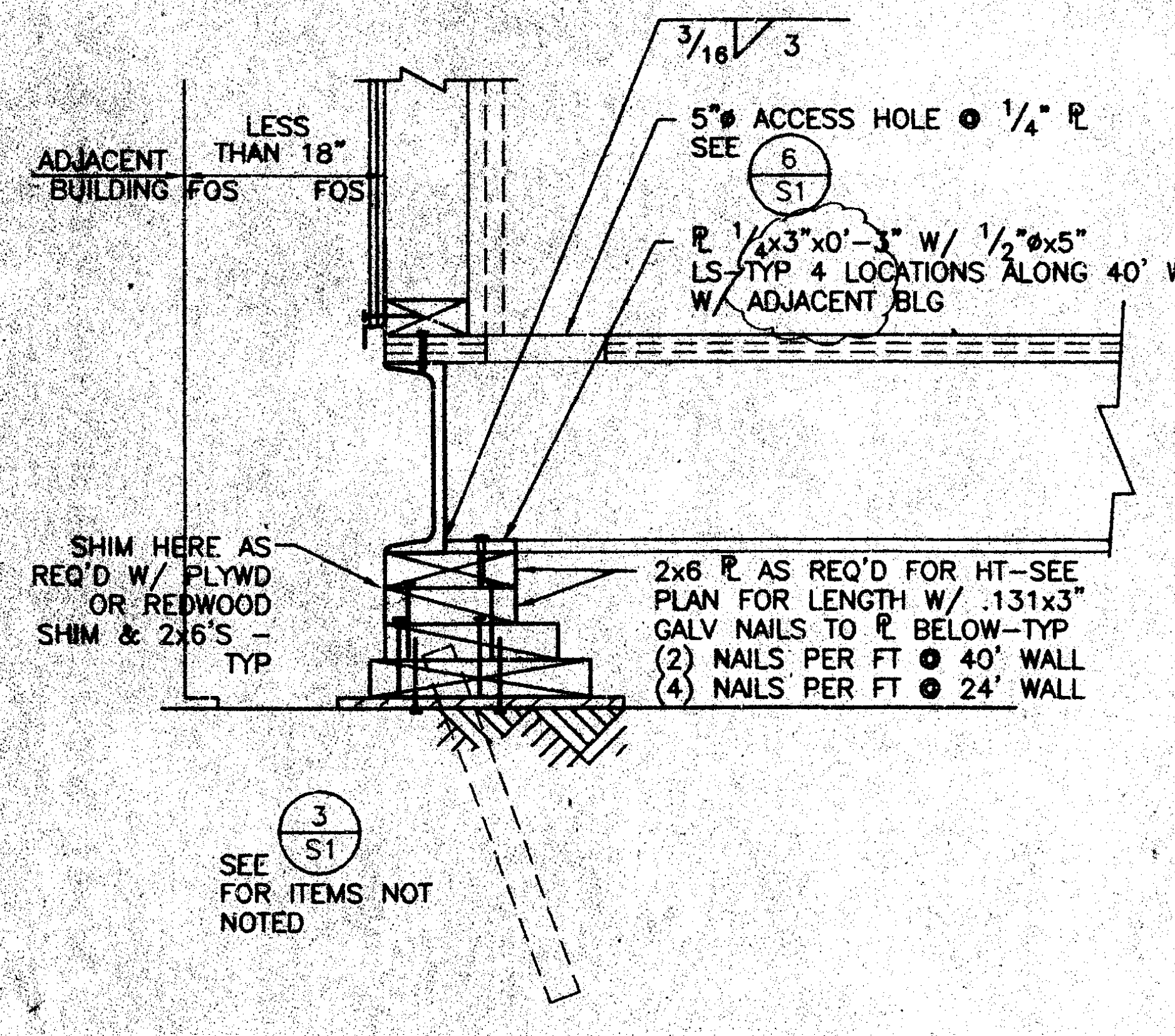

GALV "Z" FLASHING
C7x9.8 CHASSIS BEAM (SIDE)
NON STRUCTURAL NAILING @ 6"OC
(2) 2x4 CONT NAILER W/ 3/8"øx3" LAG SCREW FROM CHASSIS SEE 3/S1 FOR SPACING
1 1/2"
SKIRT EN- TYP AS SHOWN
CRIPPLE STUD 2x4 @ 16"OC NAIL TO TOP & BOTTOM ℞ W/ (3).131x3" END NAILS OR (4).131x3" TOE NAILS
2 ROWS .131x3" GALV NAILS @ 12" OC TO ℞ BELOW-TYP UNO
2x6-SEE PLAN FOR LENGTH
SKIRT EN-TYP AS SHOWN
2x8-SEE- 3/S1
12" MIN-18" MAX
5/8" 303 SKIRTING W/O GROOVES SEE 3/S1 FOR NAILING
1/2" SP PER- SEE 3/S1
PIPE ANCHORS- SEE 3/S1
2x10 PT BOTTOM ℞ SEE PLAN

NOTE:
CRIPPLE WALLS MAY NOT BE USED WITHIN 48" OF BLDG CORNERS OR MODULE LINES

FOUNDATION DETAIL

4/S1

1 1/2" = 1'-0"

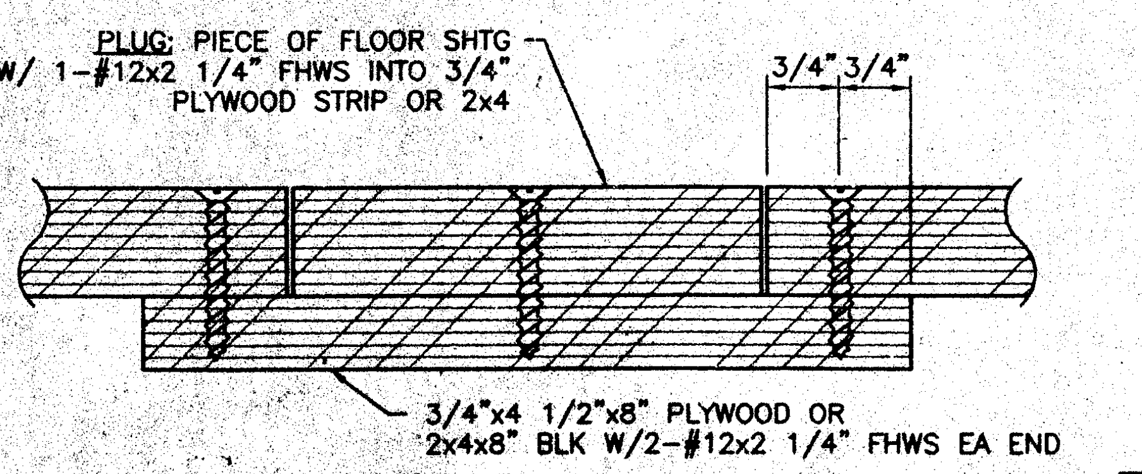

3/16 3
LESS THAN 18"
ADJACENT BUILDING FOS
FOS
5"ø ACCESS HOLE @ 1/4" ℞ SEE 6/S1
℞ 1/4x3"x0'-3" W/ 1/2"øx5" LS-TYP 4 LOCATIONS ALONG 40' WALL W/ ADJACENT BLG
SHIM HERE AS REQ'D W/ PLYWD OR REDWOOD SHIM & 2x6'S - TYP
2x6 ℞ AS REQ'D FOR HT-SEE PLAN FOR LENGTH W/ .131x3" GALV NAILS TO ℞ BELOW-TYP (2) NAILS PER FT @ 40' WALL (4) NAILS PER FT @ 24' WALL
SEE 3/S1 FOR ITEMS NOT NOTED

OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

FOUNDATION DETAIL

5/S1

1 1/2"=1'-0"

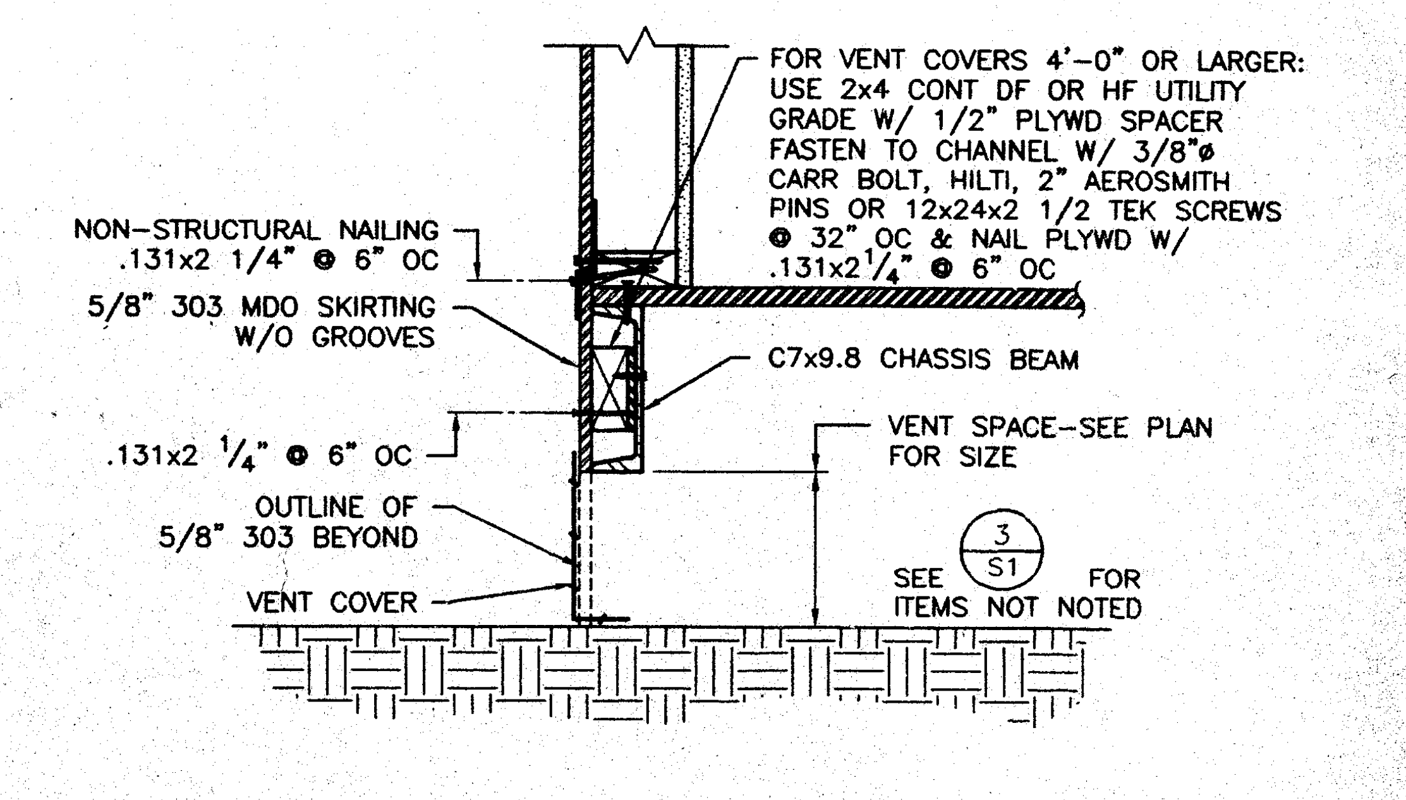

PLUG: PIECE OF FLOOR SHTG W/ 1-#12x2 1/4" FHWS INTO 3/4" PLYWOOD STRIP OR 2x4
3/4" 3/4"
3/4"x4 1/2"x8" PLYWOOD OR 2x4x8" BLK W/2-#12x2 1/4" FHWS EA END

FILLER ACCESS HOLE

DETAIL

6/S1

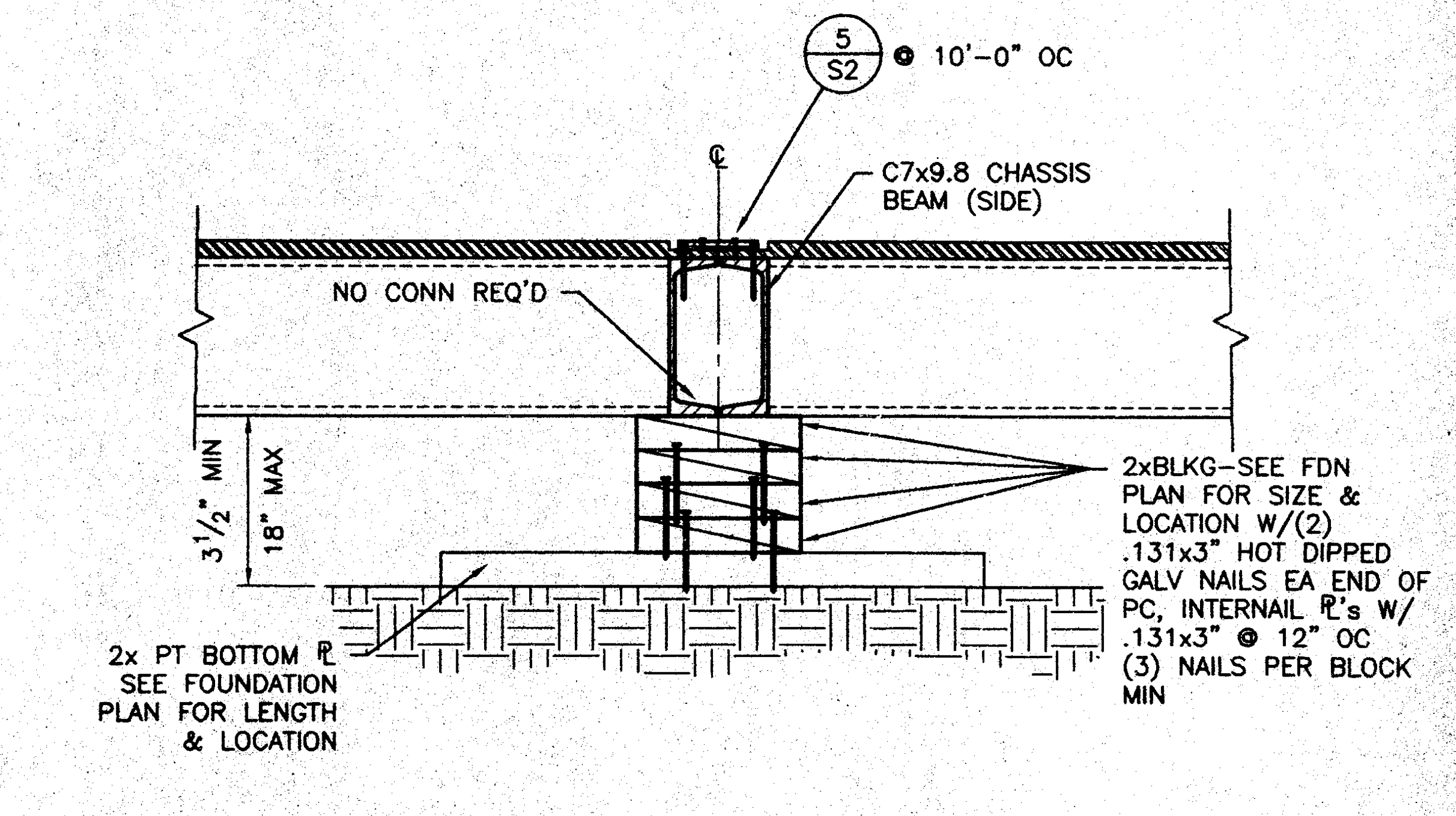
NO SCALE


FOR VENT COVERS 4'-0" OR LARGER: USE 2x4 CONT DF OR HF UTILITY GRADE W/ 1/2" PLYWD SPACER FASTEN TO CHANNEL W/ 3/8"ø CARR BOLT, HILTI, 2" AEROSMITH PINS OR 12x24x2 1/2 TEK SCREWS @ 32" OC & NAIL PLYWD W/ .131x2 1/4" @ 6" OC
NON-STRUCTURAL NAILING .131x2 1/4" @ 6" OC
5/8" 303 MDO SKIRTING W/O GROOVES
C7x9.8 CHASSIS BEAM
.131x2 1/4" @ 6" OC
VENT SPACE-SEE PLAN FOR SIZE
OUTLINE OF 5/8" 303 BEYOND
VENT COVER
SEE 3/S1 FOR ITEMS NOT NOTED

FOUNDATION DETAIL

1/S1

1 1/2" = 1'-0"

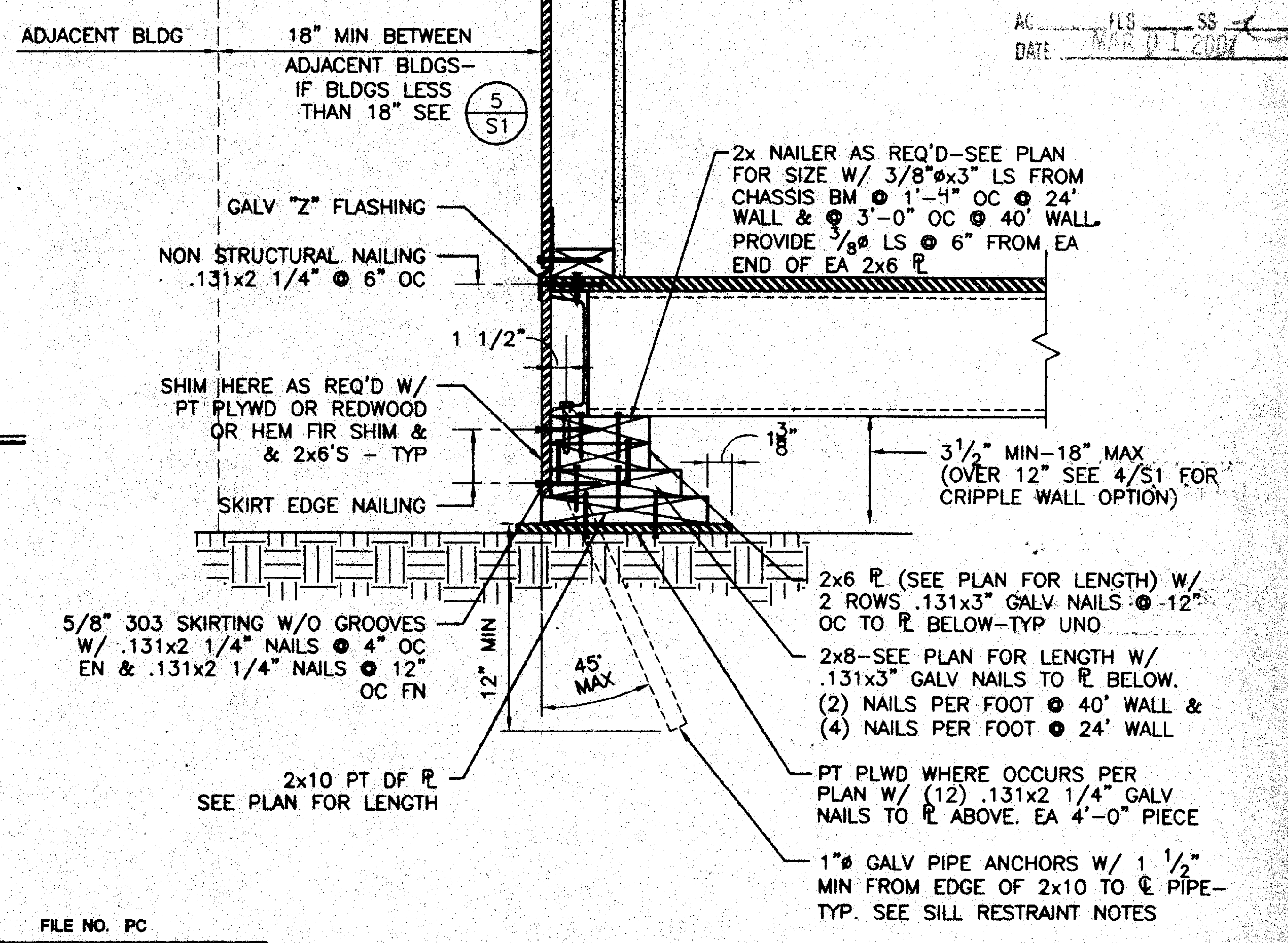

5/S2 @ 10'-0" OC
℄
C7x9.8 CHASSIS BEAM (SIDE)
NO CONN REQ'D
3 1/2" MIN
18" MAX
2xBLKG-SEE FDN PLAN FOR SIZE & LOCATION W/(2) .131x3" HOT DIPPED GALV NAILS EA END OF PC, INTERNAIL ℞'s W/ .131x3" @ 12" OC (3) NAILS PER BLOCK MIN
2x PT BOTTOM ℞ SEE FOUNDATION PLAN FOR LENGTH & LOCATION

DETAIL

2/S1

1 1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPD: 104224
AC ___ FLS ___ SS
DATE MAR 01 2001


ADJACENT BLDG
18" MIN BETWEEN ADJACENT BLDGS- IF BLDGS LESS THAN 18" SEE 5/S1
2x NAILER AS REQ'D-SEE PLAN FOR SIZE W/ 3/8"øx3" LS FROM CHASSIS BM @ 1'-4" OC @ 24' WALL & @ 3'-0" OC @ 40' WALL. PROVIDE 3/8ø LS @ 6" FROM EA END OF EA 2x6 ℞
GALV "Z" FLASHING
NON STRUCTURAL NAILING .131x2 1/4" @ 6" OC
1 1/2"
SHIM HERE AS REQ'D W/ PT PLYWD OR REDWOOD OR HEM FIR SHIM & & 2x6'S - TYP
1 3/8"
3 1/2" MIN-18" MAX (OVER 12" SEE 4/S1 FOR CRIPPLE WALL OPTION)
SKIRT EDGE NAILING
2x6 ℞ (SEE PLAN FOR LENGTH) W/ 2 ROWS .131x3" GALV NAILS @ 12" OC TO ℞ BELOW-TYP UNO
5/8" 303 SKIRTING W/O GROOVES W/ .131x2 1/4" NAILS @ 4" OC EN & .131x2 1/4" NAILS @ 12" OC FN
12" MIN
45° MAX
2x8-SEE PLAN FOR LENGTH W/ .131x3" GALV NAILS TO ℞ BELOW. (2) NAILS PER FOOT @ 40' WALL & (4) NAILS PER FOOT @ 24' WALL
2x10 PT DF ℞ SEE PLAN FOR LENGTH
PT PLWD WHERE OCCURS PER PLAN W/ (12) .131x2 1/4" GALV NAILS TO ℞ ABOVE. EA 4'-0" PIECE
1"ø GALV PIPE ANCHORS W/ 1 1/2" MIN FROM EDGE OF 2x10 TO ℄ PIPE- TYP. SEE SILL RESTRAINT NOTES

FOUNDATION DETAIL

3/S1

1 1/2" = 1'-0"

FILE NO. PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101837
AC ___ FLS ___ SS
DATE JAN 12 2000

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

M:\99100\ACAD\STRU\S1.dwg 10-18-99 11:37:26 am EST

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

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

CUSTOMER:

FOUNDATION PLAN
AND DETAILS

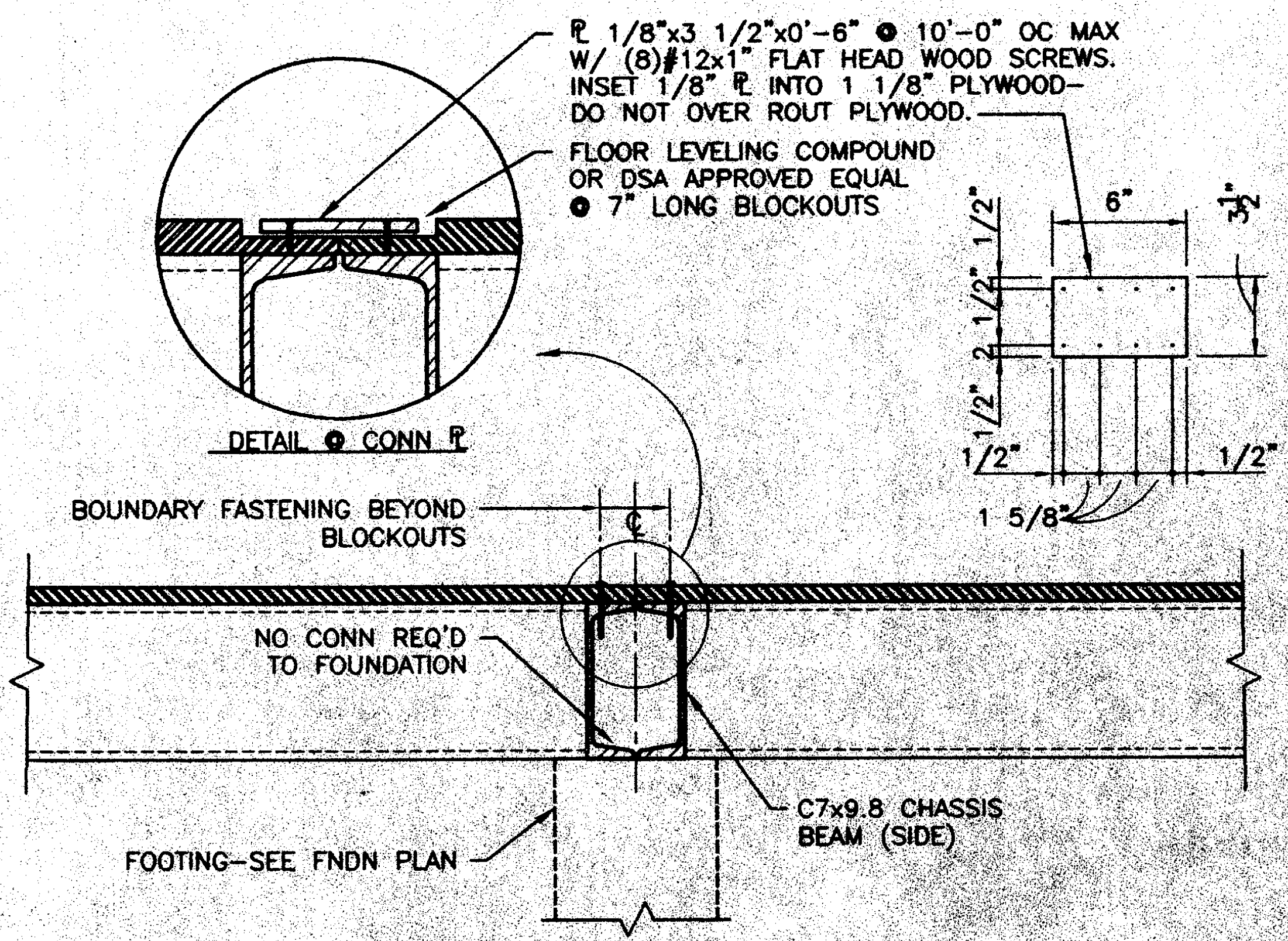
DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

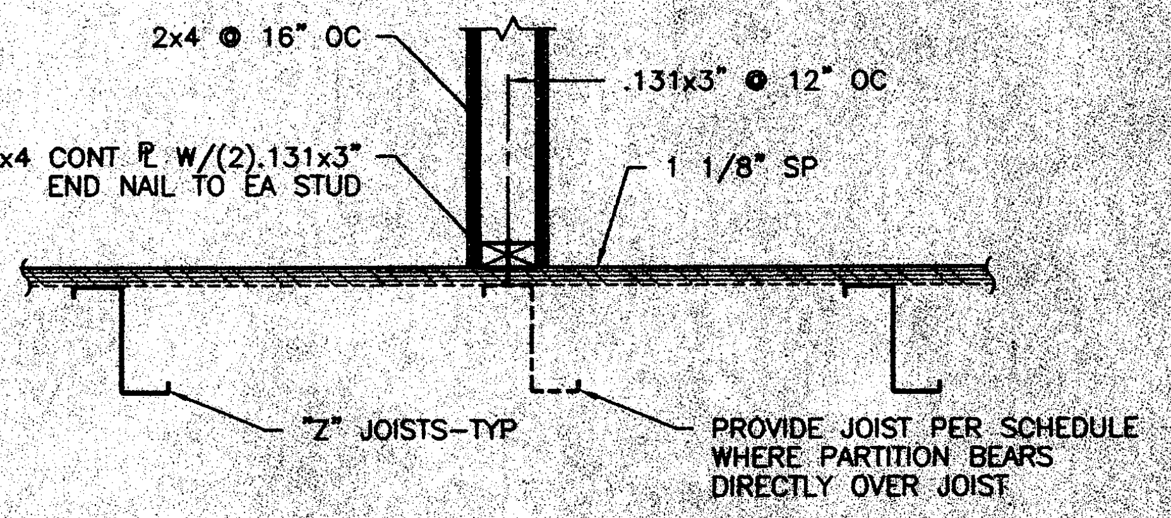
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.
99100

SHEET No.
S1


℞ 1/8"x3 1/2"x0'-6" @ 10'-0" OC MAX W/ (8)#12x1" FLAT HEAD WOOD SCREWS. INSET 1/8" ℞ INTO 1 1/8" PLYWOOD- DO NOT OVER ROUT PLYWOOD.
FLOOR LEVELING COMPOUND OR DSA APPROVED EQUAL @ 7" LONG BLOCKOUTS
DETAIL @ CONN ℞
6"
3 1/2"
1/2"
1 1/2"
2
1 1/2"
1/2"
1/2"
1 5/8"
BOUNDARY FASTENING BEYOND BLOCKOUTS
℄
NO CONN REQ'D TO FOUNDATION
C7x9.8 CHASSIS BEAM (SIDE)
FOOTING-SEE FNDN PLAN

DETAIL
5/S2
1 1/2" = 1'-0"


2x4 @ 16" OC
.131x3" @ 12" OC
2x4 CONT ℞ W/(2).131x3" END NAIL TO EA STUD
1 1/8" SP
"Z" JOISTS-TYP
PROVIDE JOIST PER SCHEDULE WHERE PARTITION BEARS DIRECTLY OVER JOIST

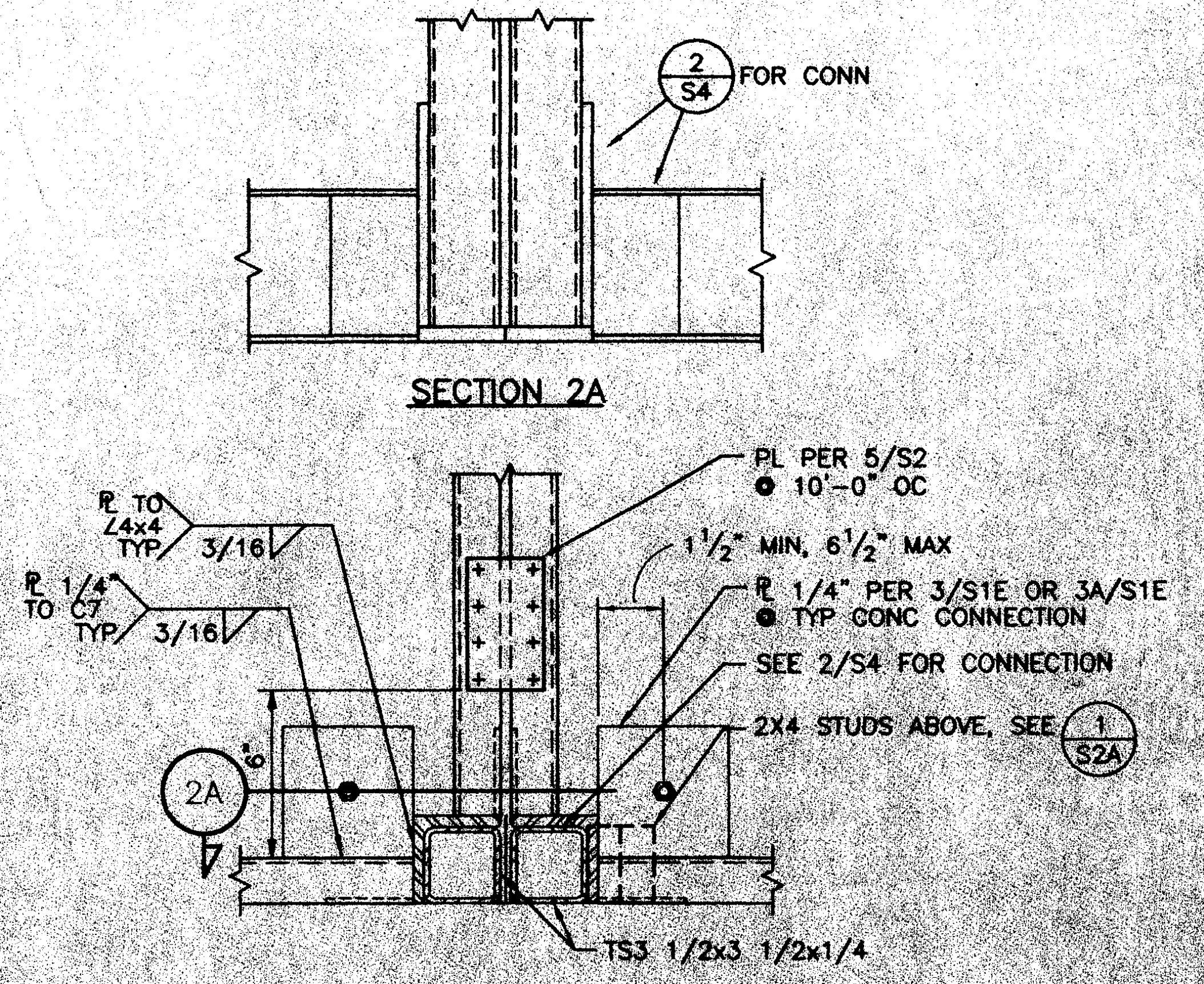
TYP INTERIOR NON-BEARING WALL BASE

DETAIL
6/S2
1 " = 1'-0"

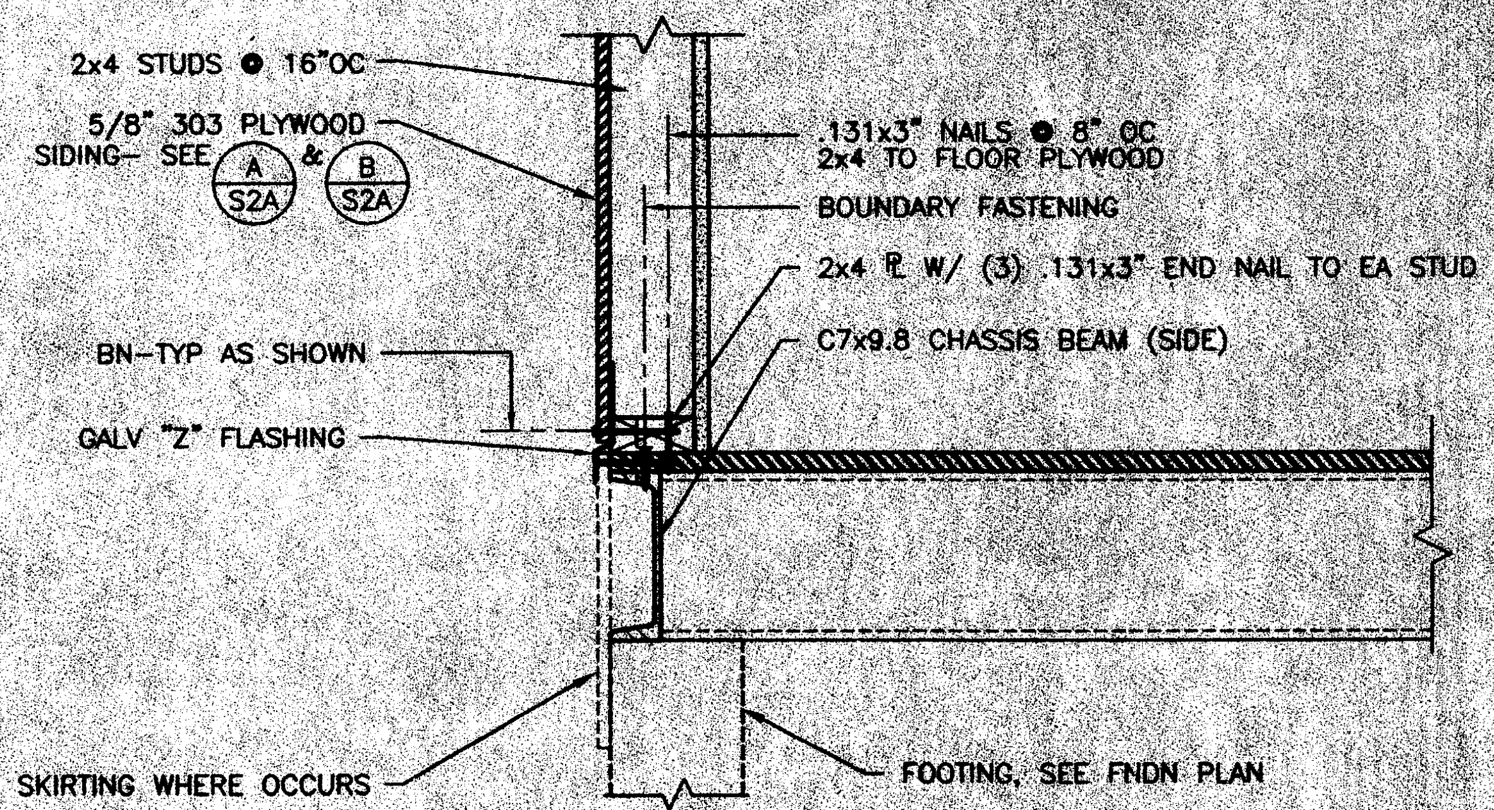
THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED SEE SHEET NO.)

[illegible], AIA DATE 8/23/00
LICENSE # C-16788
EXP. DATE 11/30/01

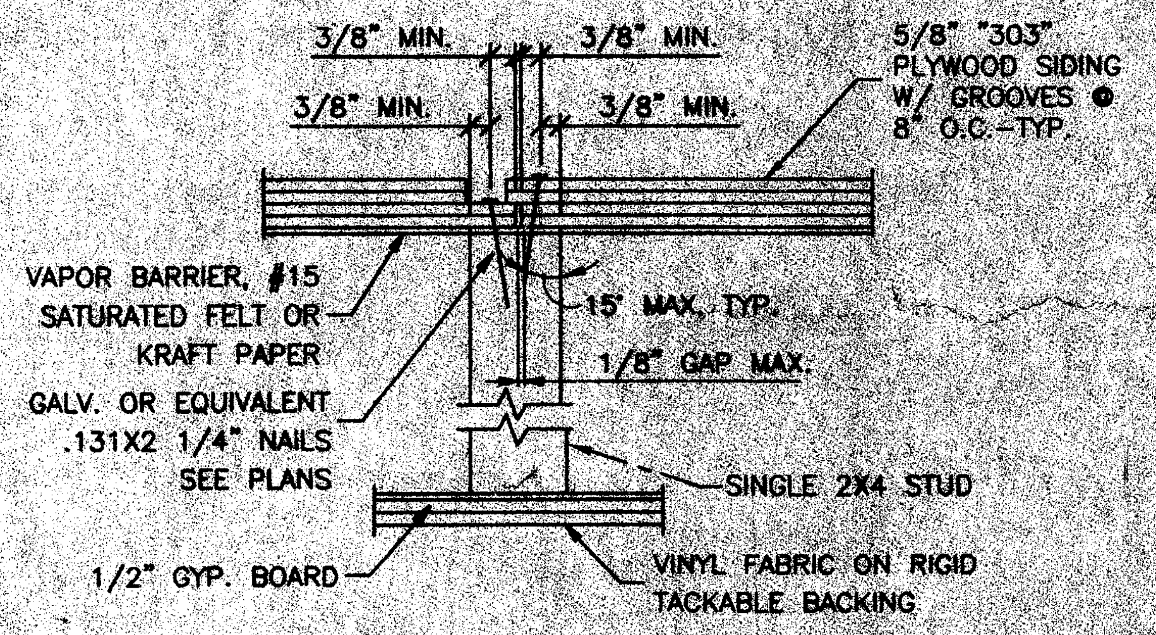
LICENSED ARCHITECT
STEPHEN J. CO[illegible]
No. C-16788
REN 11/30/01
STATE OF CALIFORNIA


2/S4 FOR CONN
SECTION 2A
PL PER 5/S2 @ 10'-0" OC
℞ TO ∠4x4 TYP 3/16
℞ 1/4" TO C7 TYP 3/16
1 1/2" MIN, 6 1/2" MAX
℞ 1/4" PER 3/S1E OR 3A/S1E @ TYP CONC CONNECTION
SEE 2/S4 FOR CONNECTION
2X4 STUDS ABOVE, SEE 1/S2A
2A
6"
TS3 1/2x3 1/2x1/4

PLAN DETAIL
2/S2
NO SCALE

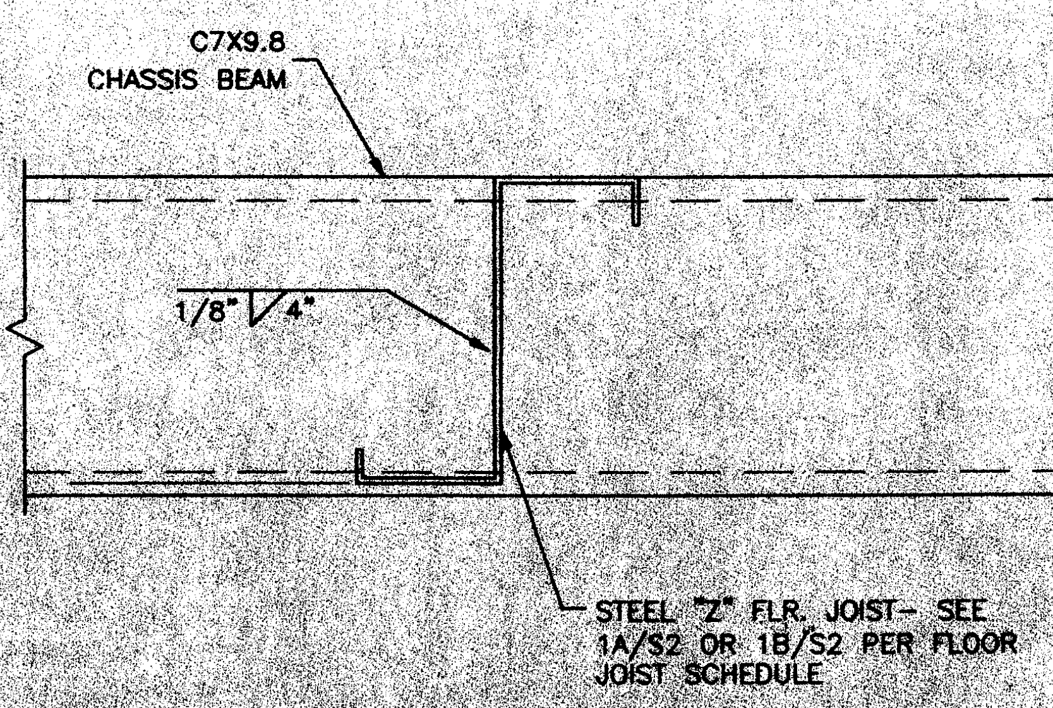

2x4 STUDS @ 16"OC
5/8" 303 PLYWOOD SIDING- SEE A/S2A & B/S2A
.131x3" NAILS @ 8" OC 2x4 TO FLOOR PLYWOOD
BOUNDARY FASTENING
2x4 ℞ W/ (3) .131x3" END NAIL TO EA STUD
BN-TYP AS SHOWN
C7x9.8 CHASSIS BEAM (SIDE)
GALV "Z" FLASHING
SKIRTING WHERE OCCURS
FOOTING, SEE FNDN PLAN

DETAIL
3/S2
1 1/2" = 1'-0"


3/8" MIN.
3/8" MIN.
3/8" MIN.
3/8" MIN.
5/8" "303" PLYWOOD SIDING W/ GROOVES @ 8" O.C.-TYP.
VAPOR BARRIER, #15 SATURATED FELT OR KRAFT PAPER
15° MAX. TYP.
1/8" GAP MAX.
GALV. OR EQUIVALENT .131X2 1/4" NAILS SEE PLANS
SINGLE 2X4 STUD
1/2" GYP. BOARD
VINYL FABRIC ON RIGID TACKABLE BACKING

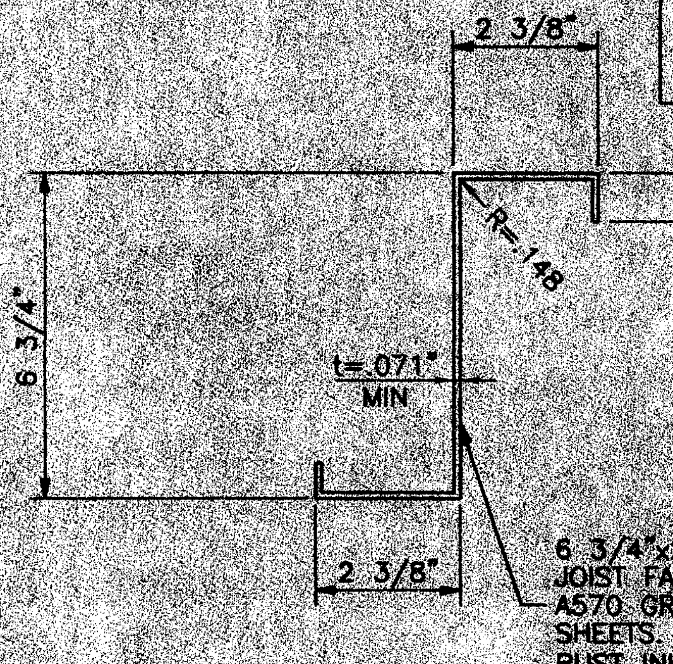
TYPICAL SIDING JOINT

DETAIL
4/S2
NO SCALE


C7X9.8 CHASSIS BEAM
1/8" 4"
STEEL "Z" FLR. JOIST- SEE 1A/S2 OR 1B/S2 PER FLOOR JOIST SCHEDULE

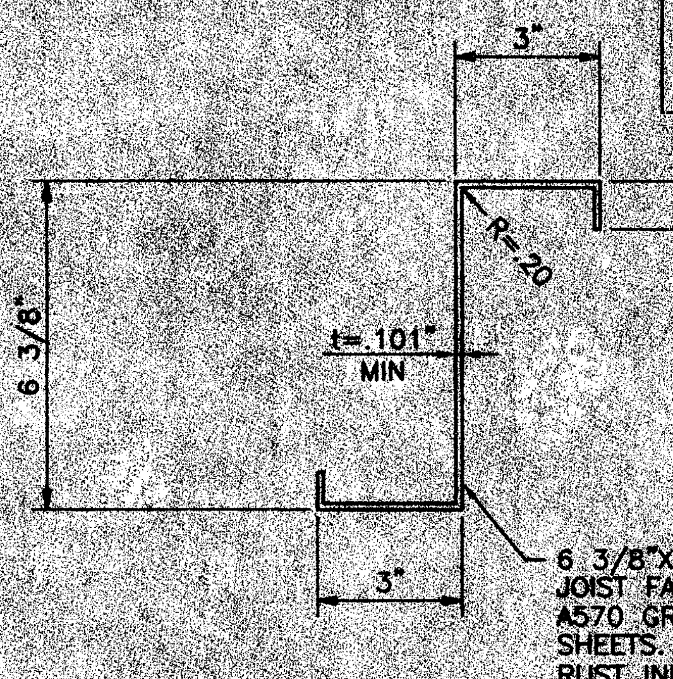
DETAIL
1/S2
NO SCALE

Z SECTION PROPERTIES
$A=0.91\ IN^2$
$SX=1.84\ IN^3$
$IX=6.25\ IN^4$

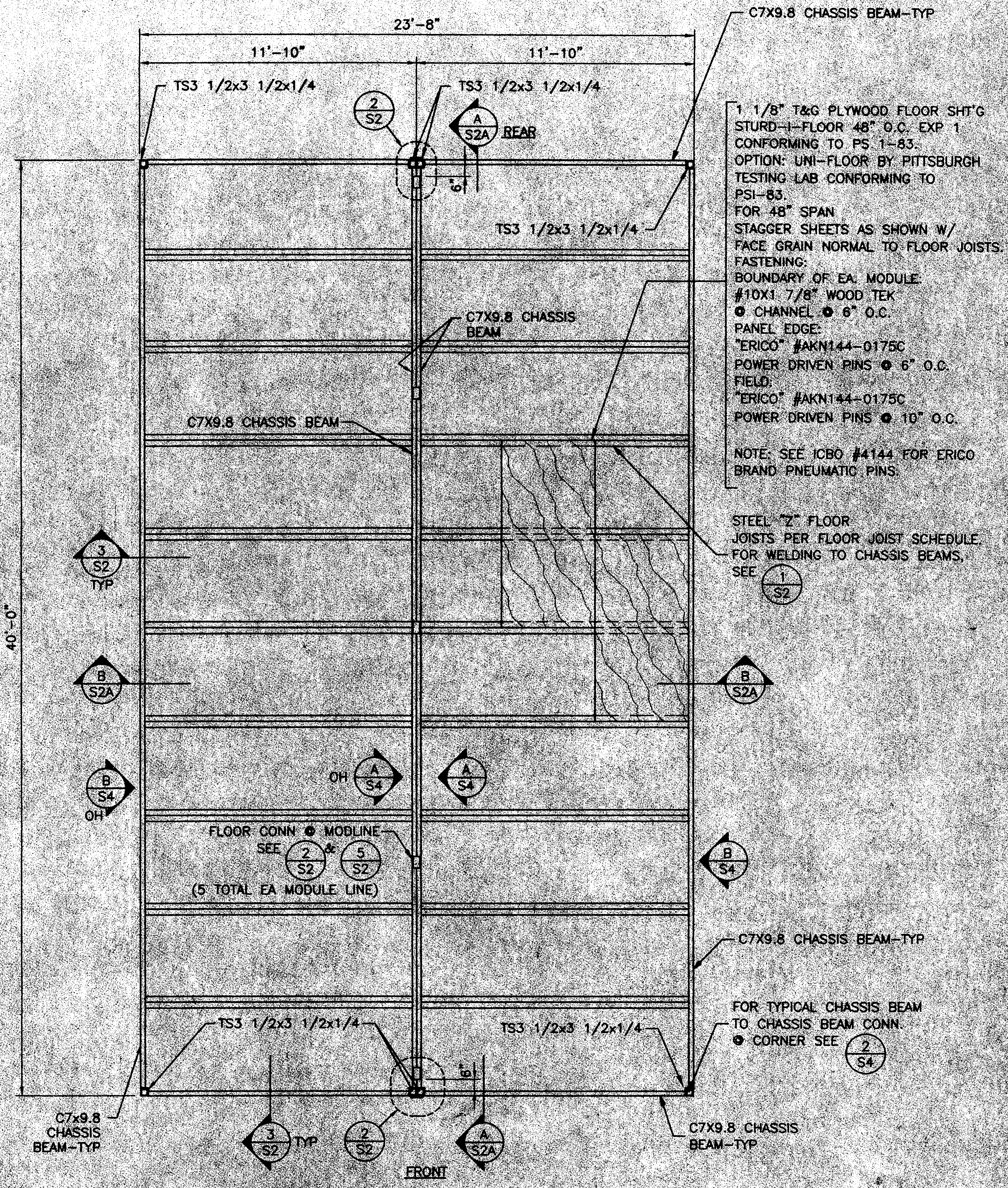

2 3/8"
6 3/4"
R=.148
3/4" TYP
t=.071" MIN
2 3/8"
6 3/4"x2 3/8"x14 GA. STEEL "Z" FLR. JOIST FABRICATED FROM A.S.T.M. A570 GRADE 45, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

14 GA JOIST
DETAIL
1A/S2
NO SCALE

Z SECTION PROPERTIES
$A=1.36\ IN^2$
$SX=2.70\ IN^3$
$IX=8.77\ IN^4$


3"
6 3/8"
R=.20
3/4" TYP
t=.101" MIN
3"
6 3/8"X3"X12 GA. STEEL "Z" FLR. JOIST FABRICATED FROM A.S.T.M. A570 GRADE 45, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

12 GA JOIST
DETAIL
1B/S2
NO SCALE


23'-8"
11'-10"
11'-10"
40'-0"
TS3 1/2x3 1/2x1/4
TS3 1/2x3 1/2x1/4
TS3 1/2x3 1/2x1/4
TS3 1/2x3 1/2x1/4
TS3 1/2x3 1/2x1/4
2/S2
A/S2A REAR
6"
C7X9.8 CHASSIS BEAM-TYP
C7X9.8 CHASSIS BEAM
C7X9.8 CHASSIS BEAM
3/S2 TYP
B/S2A
B/S2A
B/S4 OH
OH A/S4
A/S4
B/S4
FLOOR CONN @ MODLINE SEE 2/S2 & 5/S2 (5 TOTAL EA MODULE LINE)
C7X9.8 CHASSIS BEAM-TYP
FOR TYPICAL CHASSIS BEAM TO CHASSIS BEAM CONN. @ CORNER SEE 2/S4
C7x9.8 CHASSIS BEAM-TYP
3/S2 TYP
2/S2
A/S2A
FRONT
C7X9.8 CHASSIS BEAM-TYP
1 1/8" T&G PLYWOOD FLOOR SHT'G STURD-I-FLOOR 48" O.C. EXP 1 CONFORMING TO PS 1-83. OPTION: UNI-FLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PSI-83. FOR 48" SPAN STAGGER SHEETS AS SHOWN W/ FACE GRAIN NORMAL TO FLOOR JOISTS. FASTENING: BOUNDARY OF EA. MODULE: #10X1 7/8" WOOD TEK @ CHANNEL @ 6" O.C. PANEL EDGE: "ERICO" #AKN144-0175C POWER DRIVEN PINS @ 6" O.C. FIELD: "ERICO" #AKN144-0175C POWER DRIVEN PINS @ 10" O.C. NOTE: SEE ICBO #4144 FOR ERICO BRAND PNEUMATIC PINS.
STEEL "Z" FLOOR JOISTS PER FLOOR JOIST SCHEDULE. FOR WELDING TO CHASSIS BEAMS, SEE 1/S2

NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

FLOOR FRAMING PLAN
A/S2
1/4" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03- 104224
AC ____ FLS ____ SS ____
DATE MAR 01 2001

FLOOR JOIST SCHEDULE

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.

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

M:\99100\ACAD\STRU\S2.dwg 12-27-99 10:58:13 am EST

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

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

CUSTOMER:

FLOOR FRAMING
PLAN AND DETAILS

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

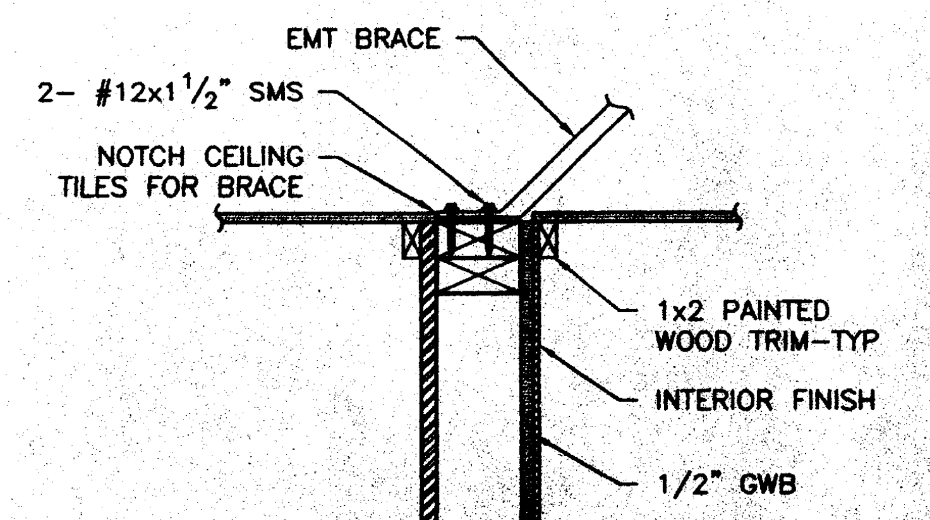
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.
99100

SHEET No.
S2

M:\99100\ACAD\STRU\S2a.dwg 10-25-99 3:20:53 pm EST

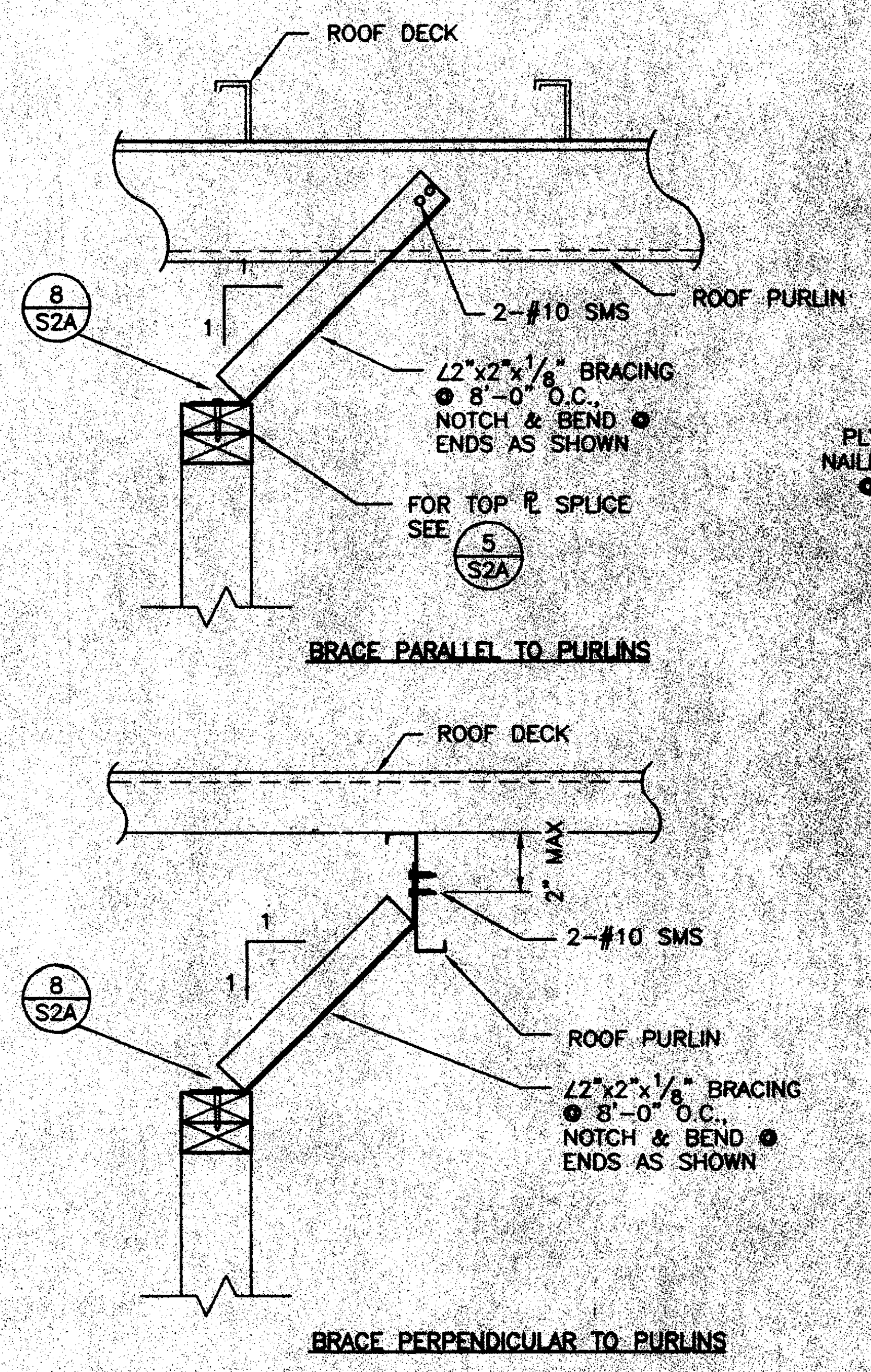


EMT BRACE
2- #12x1 1/2" SMS
NOTCH CEILING TILES FOR BRACE
1x2 PAINTED WOOD TRIM-TYP
INTERIOR FINISH
1/2" GWB

WALL FRAMING
DETAIL

6 / S2A

1 1/2" = 1'-0"

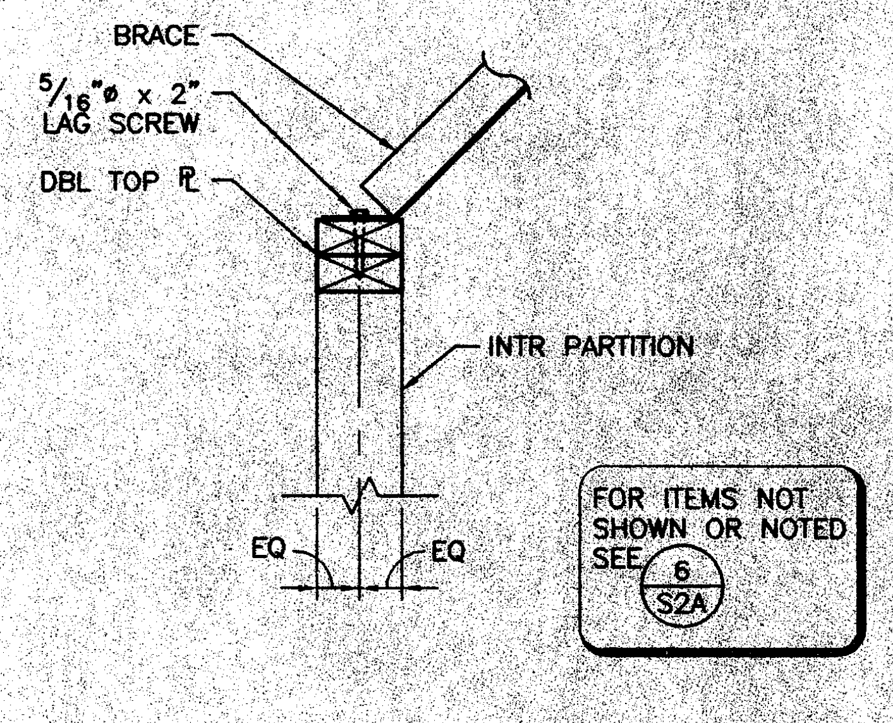


ROOF DECK
8 / S2A
1
1
2-#10 SMS
ROOF PURLIN
∠2"x2"x1/8" BRACING @ 8'-0" O.C., NOTCH & BEND @ ENDS AS SHOWN
FOR TOP ℙ SPLICE SEE 5 / S2A
BRACE PARALLEL TO PURLINS
ROOF DECK
2" MAX
2-#10 SMS
8 / S2A
1
1
ROOF PURLIN
∠2"x2"x1/8" BRACING @ 8'-0" O.C., NOTCH & BEND @ ENDS AS SHOWN
BRACE PERPENDICULAR TO PURLINS

ALT. WALL FRAMING
DETAIL

7 / S2A

1 1/2" = 1'-0"



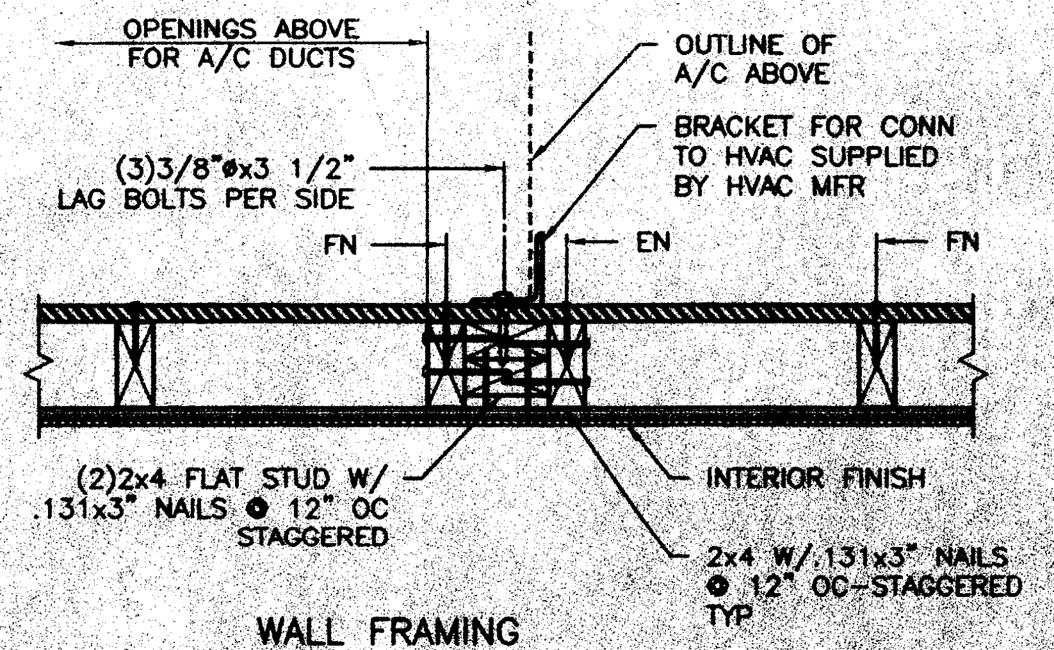
BRACE
5/16"ø x 2" LAG SCREW
DBL TOP ℙ
INTR PARTITION
EQ
EQ

FOR ITEMS NOT SHOWN OR NOTED SEE 6 / S2A

WALL FRAMING
DETAIL

8 / S2A

1 1/2" = 1'-0"

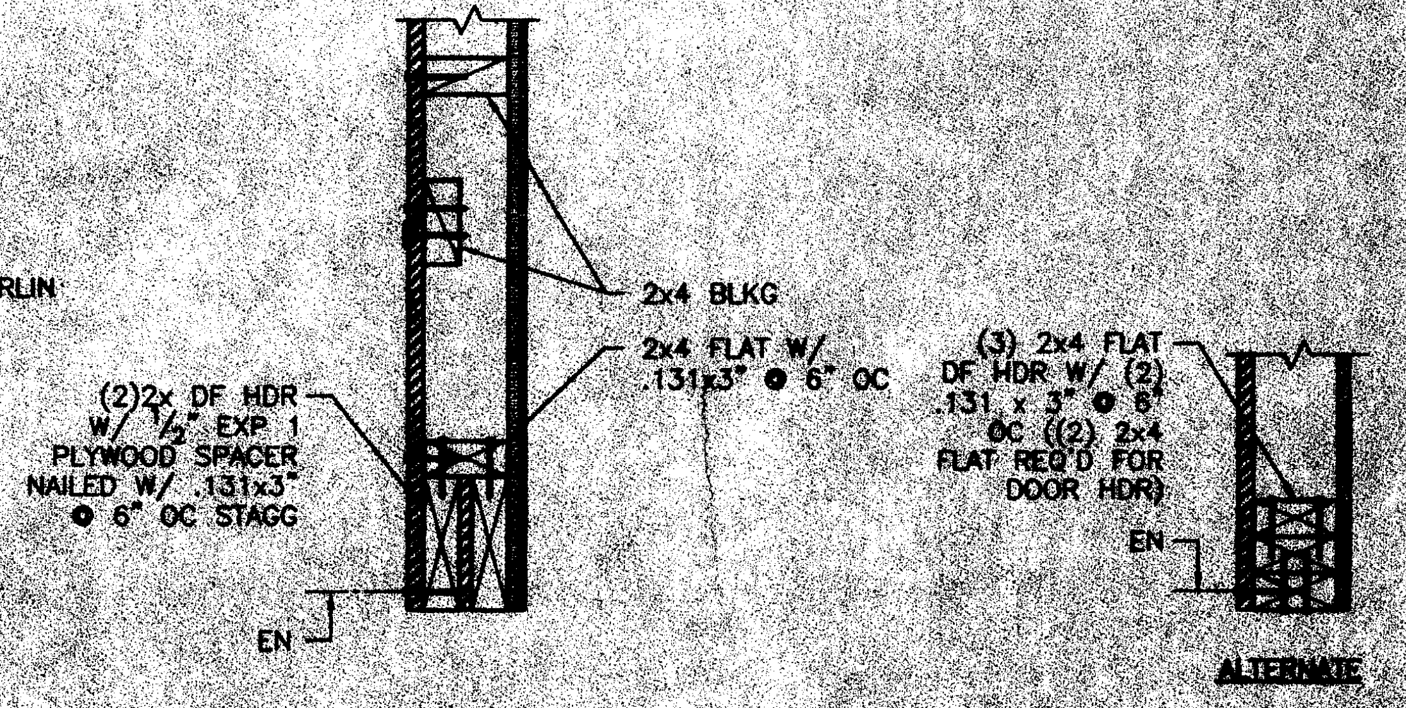


OPENINGS ABOVE FOR A/C DUCTS
OUTLINE OF A/C ABOVE
BRACKET FOR CONN TO HVAC SUPPLIED BY HVAC MFR
(3)3/8"øx3 1/2" LAG BOLTS PER SIDE
FN
EN
FN
(2)2x4 FLAT STUD W/ .131x3" NAILS @ 12" OC STAGGERED
INTERIOR FINISH
2x4 W/.131x3" NAILS @ 12" OC-STAGGERED TYP

WALL FRAMING
PLAN DETAIL

3 / S2A

1 1/2" = 1'-0"

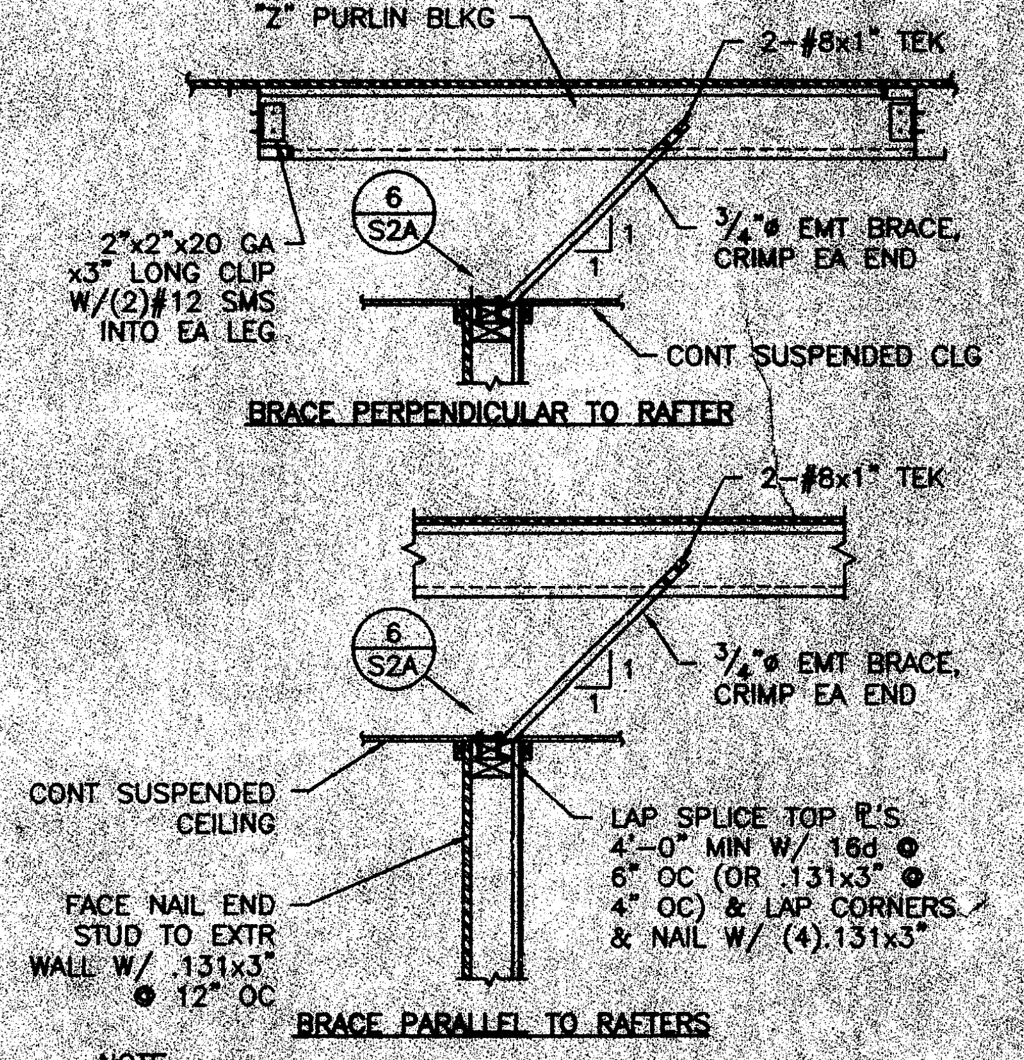


2x4 BLKG
2x4 FLAT W/ .131x3" @ 6" OC
(2)2x DF HDR W/ 1/2" EXP 1 PLYWOOD SPACER NAILED W/ .131x3" @ 6" OC STAGG
EN
(3) 2x4 FLAT DF HDR W/ (2) .131 x 3" @ 6" OC ((2) 2x4 FLAT REQ'D FOR DOOR HDR)
EN
ALTERNATE

WALL FRAMING
DETAIL

4 / S2A

1 1/2" = 1'-0"



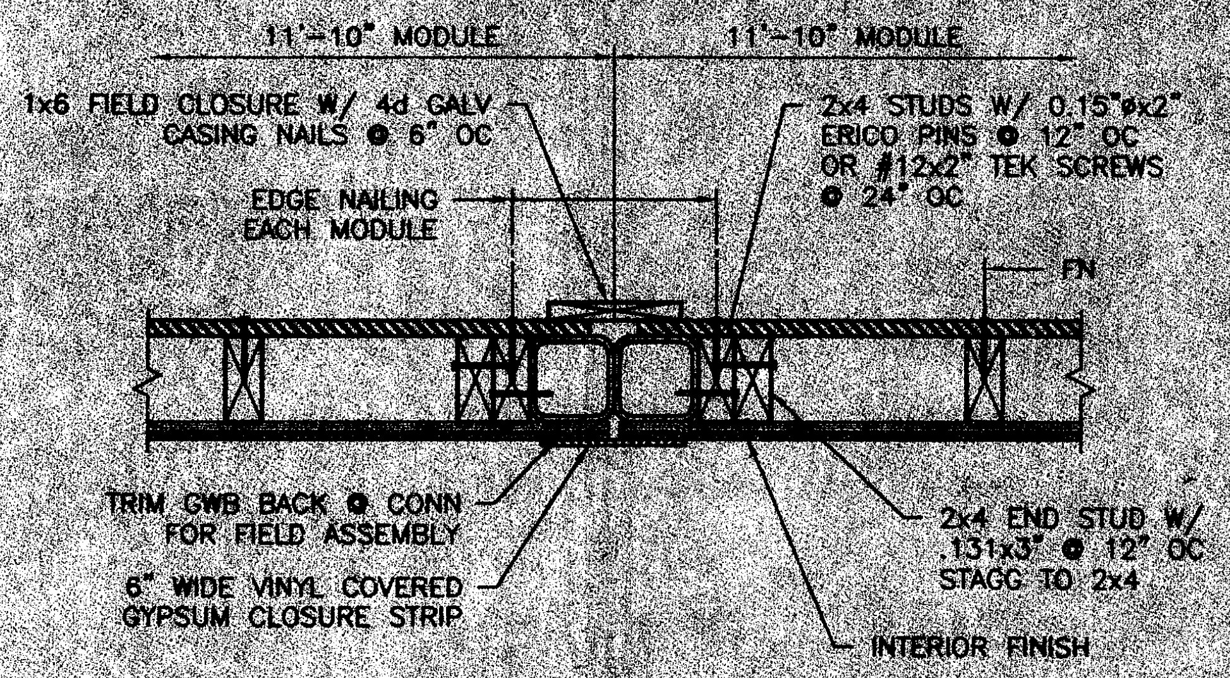
"Z" PURLIN BLKG
2-#8x1" TEK
2"x2"x20 GA x3" LONG CLIP W/(2)#12 SMS INTO EA LEG
6 / S2A
1
1
3/4"ø EMT BRACE, CRIMP EA END
CONT SUSPENDED CLG
BRACE PERPENDICULAR TO RAFTER
2-#8x1" TEK
6 / S2A
1
1
3/4"ø EMT BRACE, CRIMP EA END
CONT SUSPENDED CEILING
LAP SPLICE TOP ℙ'S 4'-0" MIN W/ 16d @ 6" OC (OR .131x3" @ 4" OC) & LAP CORNERS & NAIL W/ (4).131x3"
FACE NAIL END STUD TO EXTR WALL W/ .131x3" @ 12" OC
BRACE PARALLEL TO RAFTERS

NOTE:
TOP ℙ 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

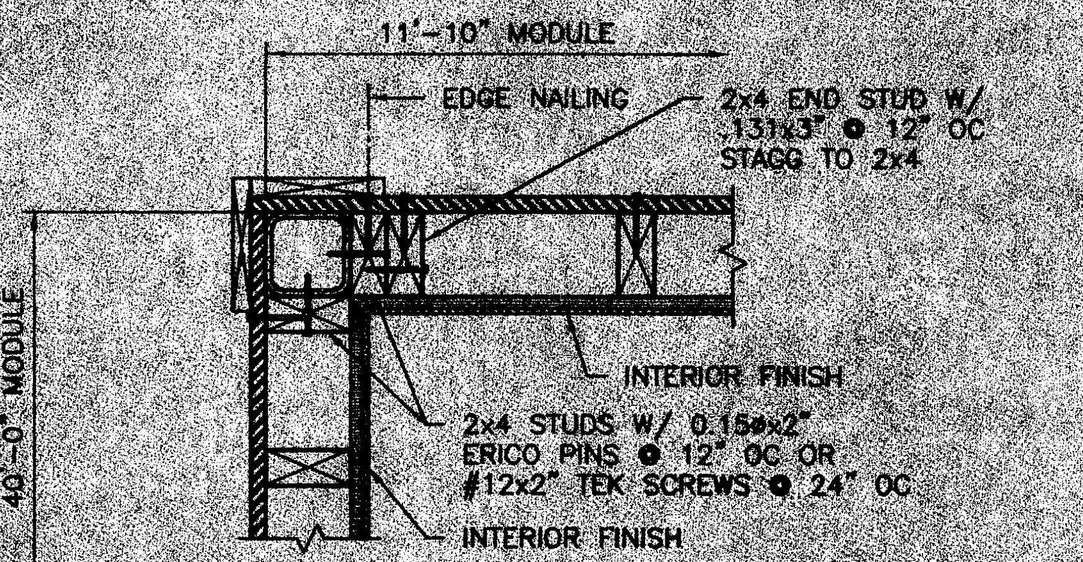


11'-10" MODULE
11'-10" MODULE
1x6 FIELD CLOSURE W/ 4d GALV CASING NAILS @ 6" OC
2x4 STUDS W/ 0.15"øx2" ERICO PINS @ 12" OC OR #12x2" TEK SCREWS @ 24" OC
EDGE NAILING EACH MODULE
FN
TRIM GWB BACK @ CONN FOR FIELD ASSEMBLY
6" WIDE VINYL COVERED GYPSUM CLOSURE STRIP
2x4 END STUD W/ .131x3" @ 12" OC STAGG TO 2x4
INTERIOR FINISH

WALL FRAMING
PLAN DETAIL

1 / S2A

1 1/2" = 1'-0"

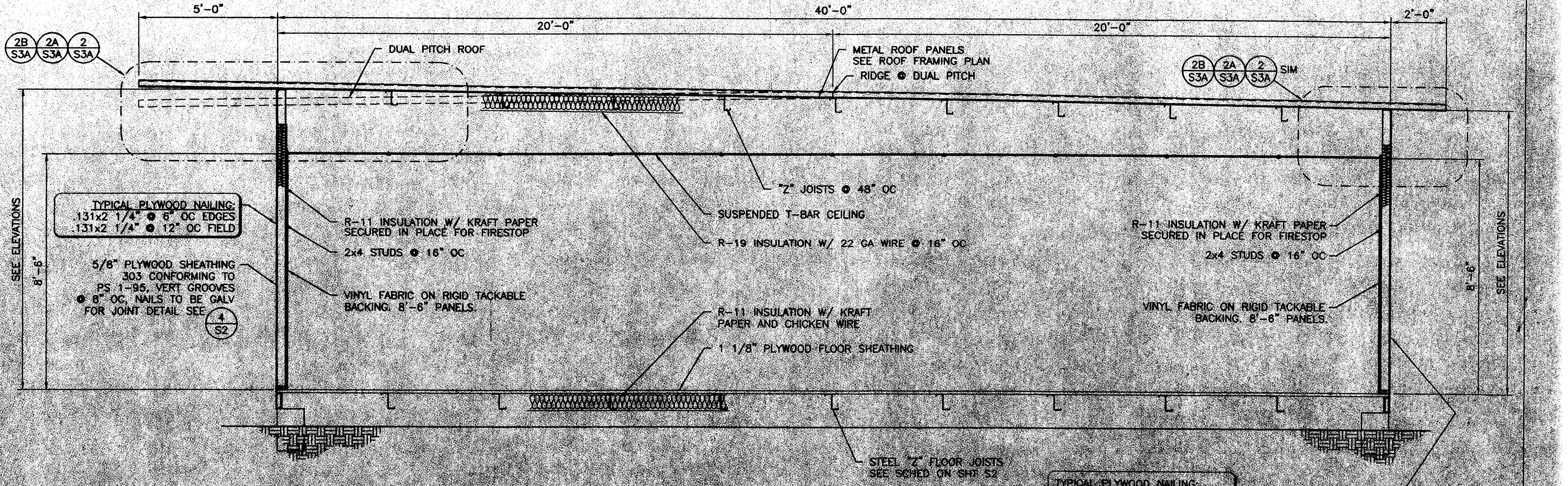


11'-10" MODULE
EDGE NAILING
2x4 END STUD W/ .131x3" @ 12" OC STAGG TO 2x4
40'-0" MODULE
INTERIOR FINISH
2x4 STUDS W/ 0.15øx2" ERICO PINS @ 12" OC OR #12x2" TEK SCREWS @ 24" OC
INTERIOR FINISH

WALL FRAMING
PLAN DETAIL

2 / S2A

1 1/2" = 1'-0"



5'-0"
40'-0"
20'-0"
20'-0"
2'-0"
2B / S3A
2A / S3A
2 / S3A
DUAL PITCH ROOF
METAL ROOF PANELS SEE ROOF FRAMING PLAN
RIDGE @ DUAL PITCH
2B / S3A
2A / S3A
2 / S3A
SIM
SEE ELEVATIONS
8'-6"
TYPICAL PLYWOOD NAILING: .131x2 1/4" @ 6" OC EDGES .131x2 1/4" @ 12" OC FIELD
5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS 1-95, VERT GROOVES @ 8" OC, NAILS TO BE GALV FOR JOINT DETAIL SEE 4 / S2
R-11 INSULATION W/ KRAFT PAPER SECURED IN PLACE FOR FIRESTOP
2x4 STUDS @ 16" OC
VINYL FABRIC ON RIGID TACKABLE BACKING. 8'-6" PANELS.
"Z" JOISTS @ 48" OC
SUSPENDED T-BAR CEILING
R-19 INSULATION W/ 22 GA WIRE @ 16" OC
R-11 INSULATION W/ KRAFT PAPER AND CHICKEN WIRE
1 1/8" PLYWOOD FLOOR SHEATHING
R-11 INSULATION W/ KRAFT PAPER SECURED IN PLACE FOR FIRESTOP
2x4 STUDS @ 16" OC
VINYL FABRIC ON RIGID TACKABLE BACKING. 8'-6" PANELS.
8'-6"
SEE ELEVATIONS
STEEL "Z" FLOOR JOISTS SEE SCHED ON SHT S2

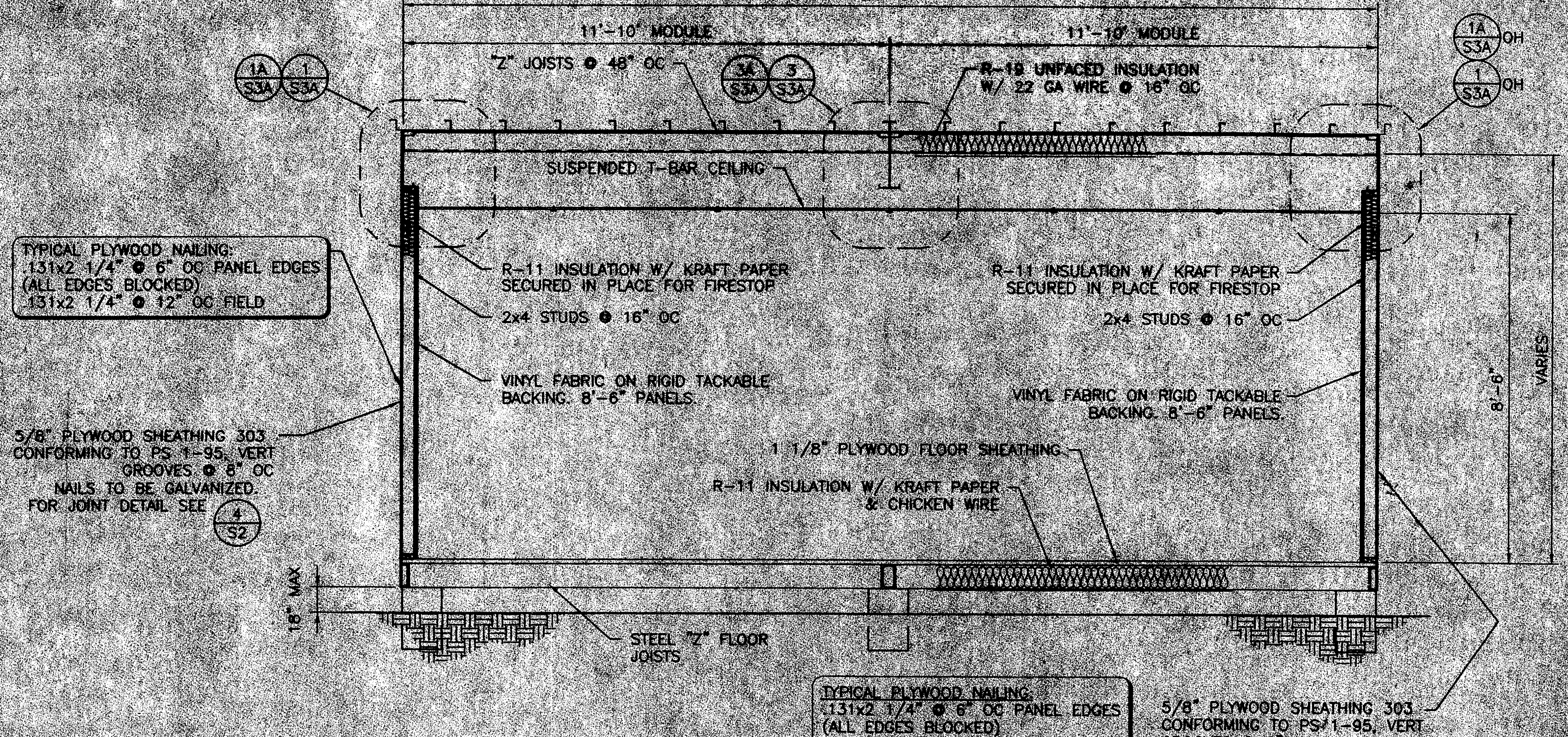
TYPICAL LONGITUDINAL SECTION

A / S2A

3/8" = 1'-0"

TYPICAL PLYWOOD NAILING:
.131x2 1/4" @ 6" OC EDGES
.131x2 1/4" @ 12" OC FIELD

5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS 1-95, VERT GROOVES @ 8" OC, NAILS TO BE GALV FOR JOINT DET SEE 4 / S2



23'-8"
11'-10" MODULE
11'-10" MODULE
1A / S3A
1 / S3A
"Z" JOISTS @ 48" OC
3A / S3A
3 / S3A
R-19 UNFACED INSULATION W/ 22 GA WIRE @ 16" OC
1A / S3A OH
1 / S3A OH
SUSPENDED T-BAR CEILING
TYPICAL PLYWOOD NAILING: .131x2 1/4" @ 6" OC PANEL EDGES (ALL EDGES BLOCKED) .131x2 1/4" @ 12" OC FIELD
R-11 INSULATION W/ KRAFT PAPER SECURED IN PLACE FOR FIRESTOP
2x4 STUDS @ 16" OC
VINYL FABRIC ON RIGID TACKABLE BACKING. 8'-6" PANELS.
R-11 INSULATION W/ KRAFT PAPER SECURED IN PLACE FOR FIRESTOP
2x4 STUDS @ 16" OC
VINYL FABRIC ON RIGID TACKABLE BACKING. 8'-6" PANELS.
8'-6"
VARIES
5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS 1-95, VERT GROOVES @ 8" OC NAILS TO BE GALVANIZED. FOR JOINT DETAIL SEE 4 / S2
1 1/8" PLYWOOD FLOOR SHEATHING
R-11 INSULATION W/ KRAFT PAPER & CHICKEN WIRE
18" MAX
STEEL "Z" FLOOR JOISTS

TYPICAL TRANSVERSE SECTION

B / S2A

3/8" = 1'-0"

TYPICAL PLYWOOD NAILING:
.131x2 1/4" @ 6" OC PANEL EDGES
(ALL EDGES BLOCKED)
.131x2 1/4" @ 12" OC FIELD

5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS/1-95, VERT GROOVES @ 8" OC NAILS TO BE GALVANIZED. FOR JOINT DETAIL SEE 4 / S2

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK)
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED (FOR DRAWINGS A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED.

[illegible] DATE [illegible]

LICENSED ARCHITECT · STATE OF CALIFORNIA

[illegible] # [illegible]

EXP. DATE [illegible]

FILE NO. PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101987
AC ___ FLS ___ SS
DATE JAN 12 2000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03- 104224
AC ___ FLS ___ SS
DATE MAR 01 2001

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

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

CUSTOMER:

BUILDING SECTIONS
AND WALL DETAILS

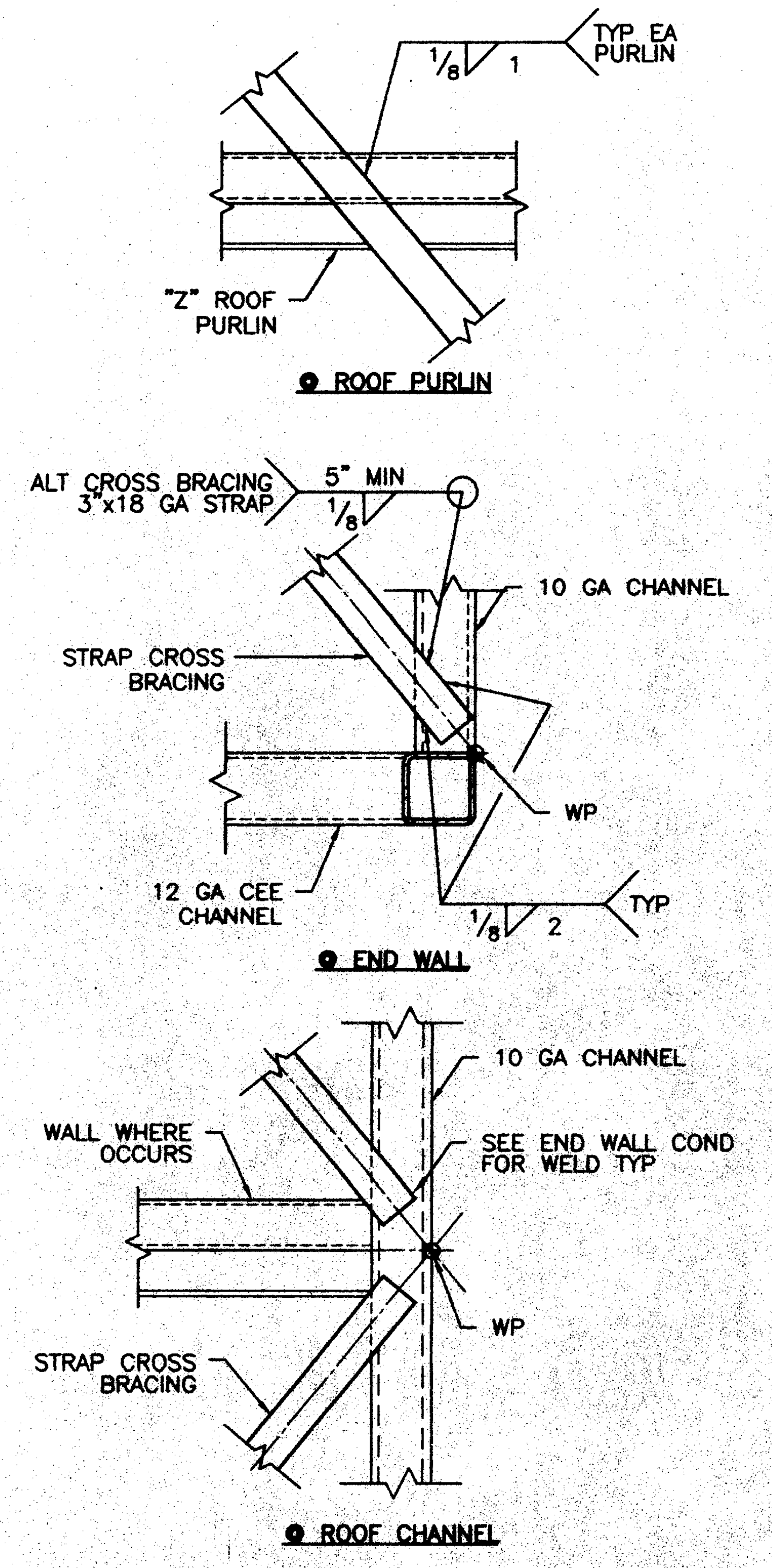
DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

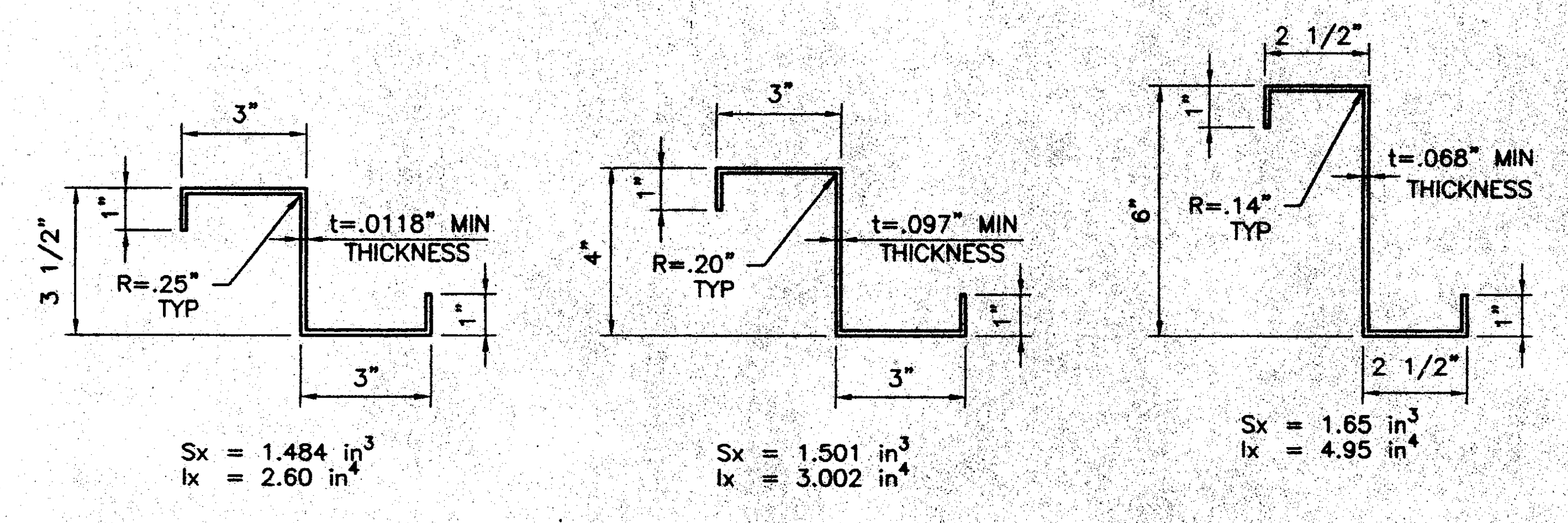
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.
99100

SHEET No.
S2A


TYP EA PURLIN
1/8
"Z" ROOF PURLIN
@ ROOF PURLIN
ALT CROSS BRACING 3"x18 GA STRAP
5" MIN
10 GA CHANNEL
STRAP CROSS BRACING
WP
12 GA CEE CHANNEL
TYP
@ END WALL
10 GA CHANNEL
WALL WHERE OCCURS
SEE END WALL COND FOR WELD TYP
WP
STRAP CROSS BRACING
@ ROOF CHANNEL

CROSS BRACING
1 S3 DETAIL
1 1/2" = 1'-0"


3"
t=.0118" MIN THICKNESS
R=.25" TYP
3 1/2"
3"
1"
Sx = 1.484 in³
Ix = 2.60 in⁴
3"
t=.097" MIN THICKNESS
R=.20" TYP
4"
3"
Sx = 1.501 in³
Ix = 3.002 in⁴
2 1/2"
t=.068" MIN THICKNESS
R=.14" TYP
6"
2 1/2"
Sx = 1.65 in³
Ix = 4.95 in⁴

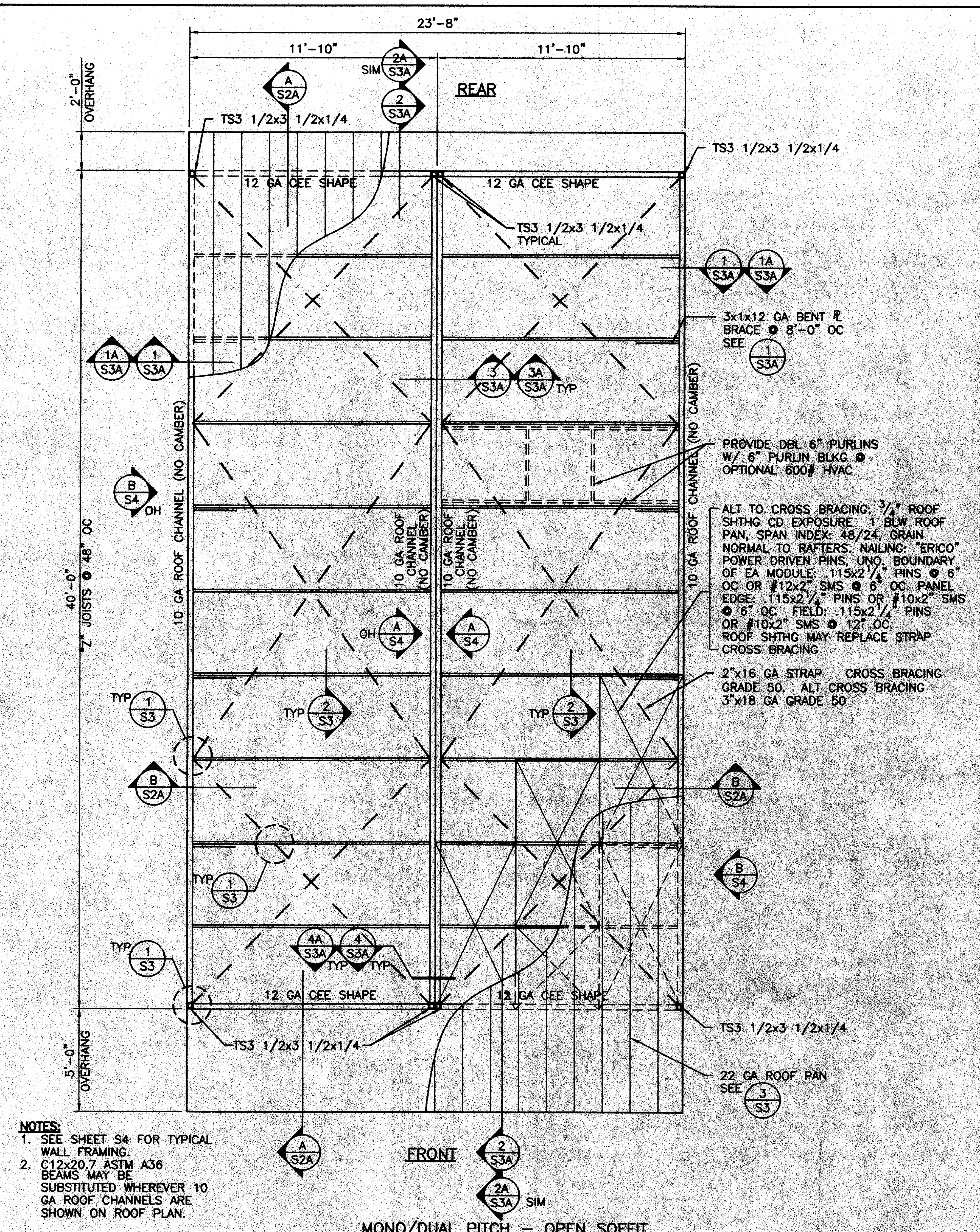
10 GA ROOF PURLIN

12 GA ROOF PURLIN

14 GA ROOF PURLIN

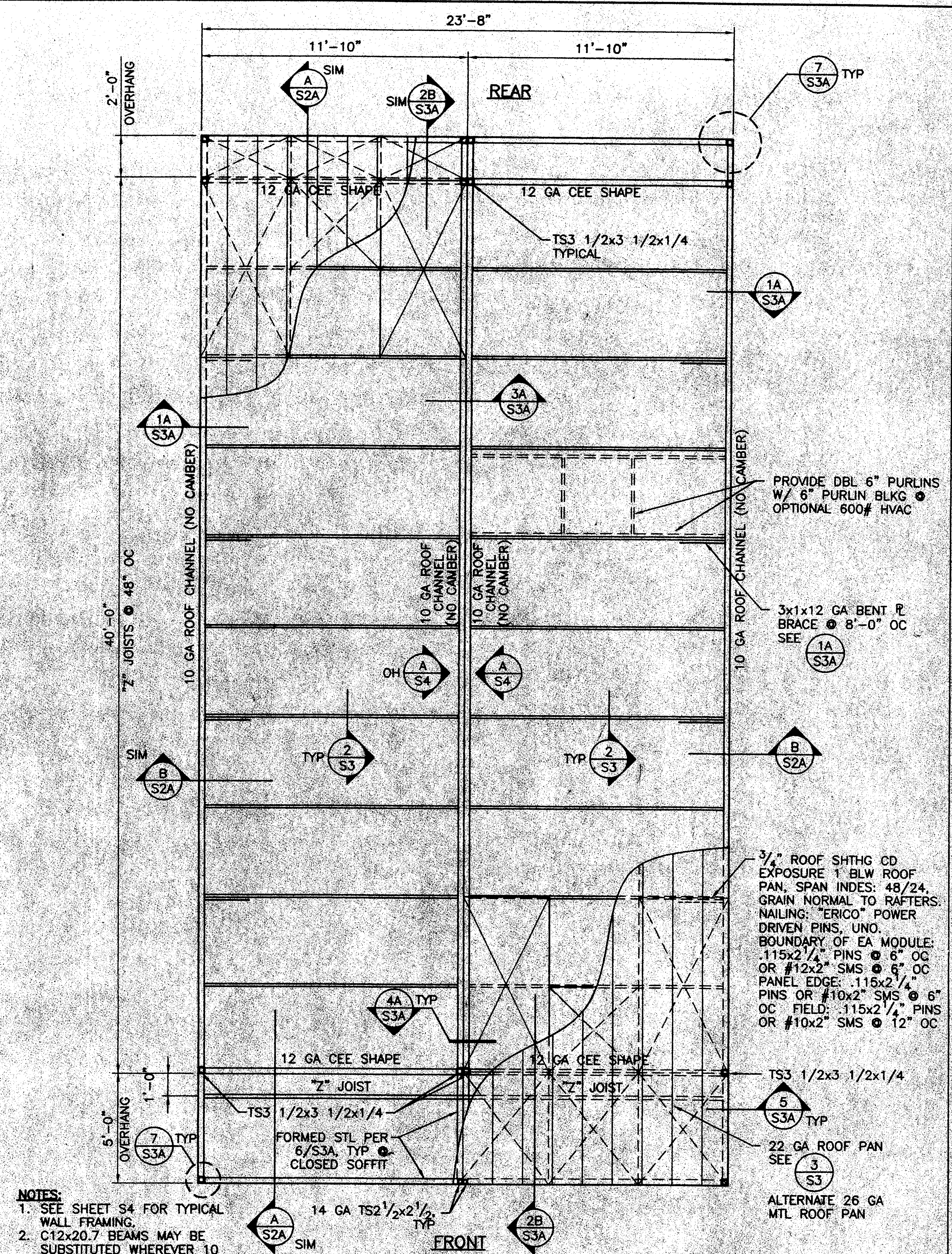
JOIST FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

2 S3 DETAIL
3" = 1'-0"


23'-8"
11'-10"
11'-10"
2'-0" OVERHANG
REAR
SIM
TS3 1/2x3 1/2x1/4
12 GA CEE SHAPE
TS3 1/2x3 1/2x1/4 TYPICAL
3x1x12 GA BENT PL BRACE @ 8'-0" OC SEE 1 S3A
PROVIDE DBL 6" PURLINS W/ 6" PURLIN BLKG @ OPTIONAL 600# HVAC
ALT TO CROSS BRACING: 3/4" ROOF SHTHG CD EXPOSURE 1 BLW ROOF PAN, SPAN INDEX: 48/24, GRAIN NORMAL TO RAFTERS, NAILING: "ERICO" POWER DRIVEN PINS, UNO. BOUNDARY OF EA MODULE: .115x2 1/4" PINS @ 6" OC OR #12x2" SMS @ 6" OC. PANEL EDGE: .115x2 1/4" PINS OR #10x2" SMS @ 6" OC. FIELD: .115x2 1/4" PINS OR #10x2" SMS @ 12" OC. ROOF SHTHG MAY REPLACE STRAP CROSS BRACING
2"x16 GA STRAP CROSS BRACING GRADE 50. ALT CROSS BRACING 3"x18 GA GRADE 50
40'-0"
"Z" JOISTS @ 48" OC
10 GA ROOF CHANNEL (NO CAMBER)
10 GA ROOF CHANNEL (NO CAMBER)
OH
TYP
22 GA ROOF PAN SEE 3 S3
5'-0" OVERHANG
FRONT
SIM

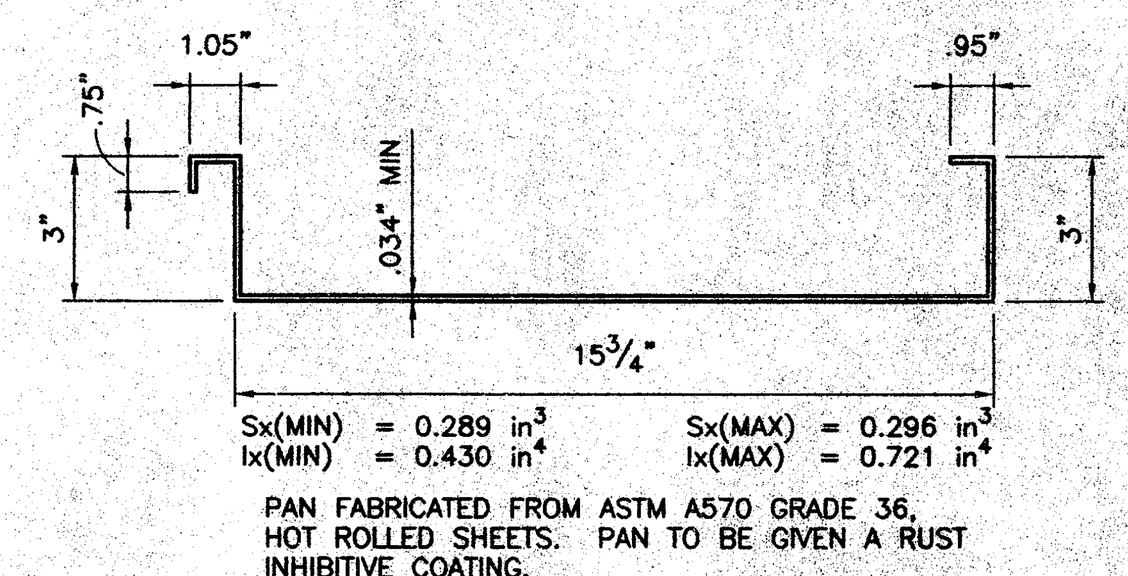
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 ASTM A36 BEAMS MAY BE SUBSTITUTED WHEREVER 10 GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.

MONO/DUAL PITCH – OPEN SOFFIT
A S3 ROOF FRAMING PLAN
1/4" = 1'-0"


23'-8"
11'-10"
11'-10"
2'-0" OVERHANG
REAR
SIM
TYP
12 GA CEE SHAPE
TS3 1/2x3 1/2x1/4 TYPICAL
PROVIDE DBL 6" PURLINS W/ 6" PURLIN BLKG @ OPTIONAL 600# HVAC
3x1x12 GA BENT PL BRACE @ 8'-0" OC SEE 1A S3A
40'-0"
"Z" JOISTS @ 48" OC
10 GA ROOF CHANNEL (NO CAMBER)
OH
3/4" ROOF SHTHG CD EXPOSURE 1 BLW ROOF PAN, SPAN INDES: 48/24, GRAIN NORMAL TO RAFTERS. NAILING: "ERICO" POWER DRIVEN PINS, UNO. BOUNDARY OF EA MODULE: .115x2 1/4" PINS @ 6" OC OR #12x2" SMS @ 6" OC PANEL EDGE: .115x2 1/4" PINS OR #10x2" SMS @ 6" OC FIELD: .115x2 1/4" PINS OR #10x2" SMS @ 12" OC
TS3 1/2x3 1/2x1/4
"Z" JOIST
FORMED STL PER 6/S3A, TYP @ CLOSED SOFFIT
22 GA ROOF PAN SEE 3 S3
ALTERNATE 26 GA MTL ROOF PAN
14 GA TS2 1/2x2 1/2 TYP
5'-0" OVERHANG
1'-0"
FRONT

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.

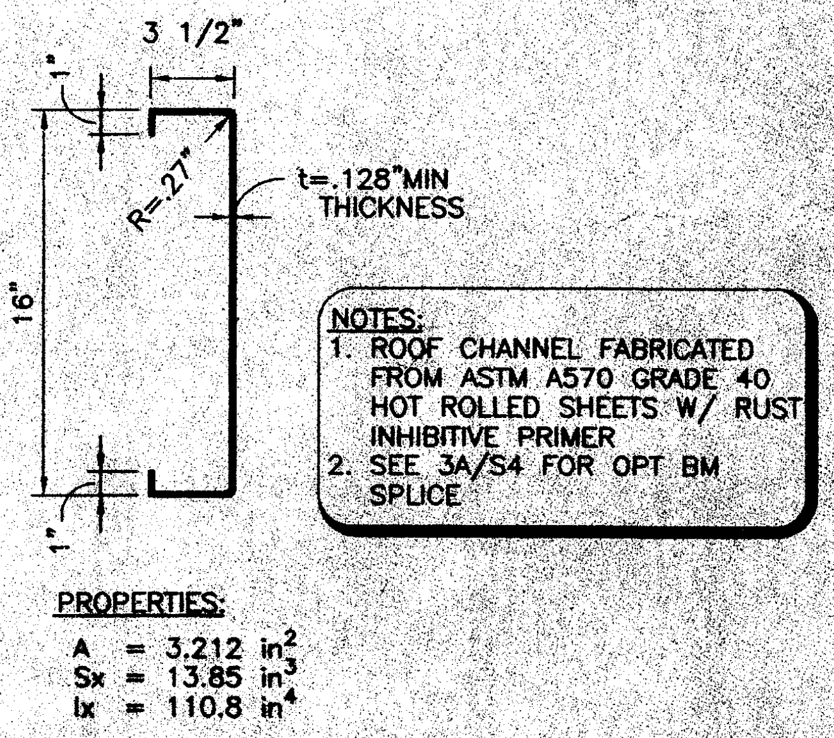
ALTERNATE
MONO/DUAL PITCH – CLOSED SOFFIT
W/ 3/4" ROOF PLYWOOD
B S3 ROOF FRAMING PLAN
1/4" = 1'-0"


1.05"
.95"
.75"
3"
.034" MIN
3"
15 3/4"

Sx(MIN) = 0.289 in³ Sx(MAX) = 0.296 in³
Ix(MIN) = 0.430 in⁴ Ix(MAX) = 0.721 in⁴

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

22 GA ROOF PAN
3 S3 DETAIL
3" = 1'-0"

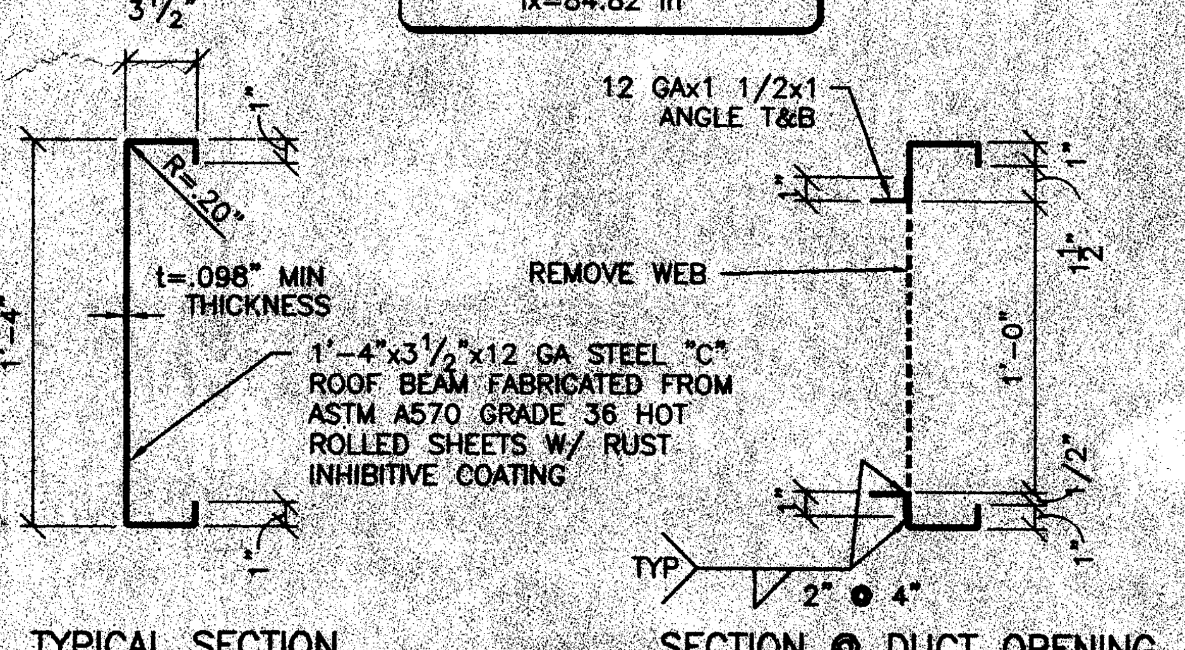

3 1/2"
t=.128"MIN THICKNESS
R=.27"
16"

NOTES:
1. ROOF CHANNEL FABRICATED FROM ASTM A570 GRADE 40 HOT ROLLED SHEETS W/ RUST INHIBITIVE PRIMER
2. SEE 3A/S4 FOR OPT BM SPLICE

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

10 GA ROOF CHANNEL
4 S3 DETAIL
1 1/2" = 1'-0"

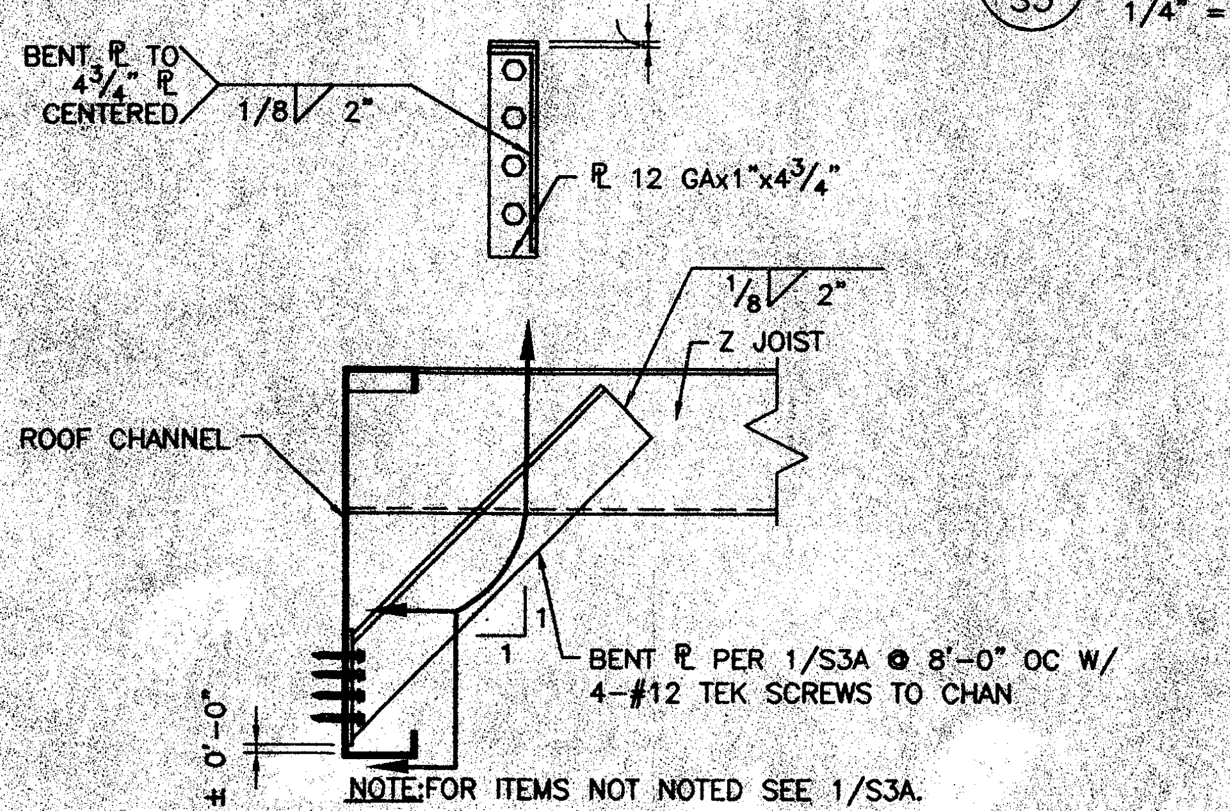
C SECTION PROPERTIES
A=2.44 in²
Sx=10.54 in³
Ix=84.82 in⁴


3 1/2"
R=.20"
t=.098" MIN THICKNESS
1'-4"
1'-4"x3 1/2"x12 GA STEEL "C" ROOF BEAM FABRICATED FROM ASTM A570 GRADE 36 HOT ROLLED SHEETS W/ RUST INHIBITIVE COATING
12 GAx1 1/2x1 ANGLE T&B
REMOVE WEB
1'-0"
TYP
2" @ 4"

TYPICAL SECTION

SECTION @ DUCT OPENING

12 GA ROOF CHANNEL
5 S3 DETAIL
1 1/2" = 1'-0"


BENT PL TO 4 3/4" PL CENTERED
1/8 2"
PL 12 GAx1"x4 3/4"
1/8 2"
Z JOIST
ROOF CHANNEL
BENT PL PER 1/S3A @ 8'-0" OC W/ 4-#12 TEK SCREWS TO CHAN
± 0'-0"

NOTE: FOR ITEMS NOT NOTED SEE 1/S3A.

6 S3 DETAIL
1 1/2" = 1'-0"

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
A LIST OF ITEMS HAVE BEEN [illegible] AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS [illegible] ATT[illegible] SHEET NO.)

AIA DATE 6/23/07

No. C-16700

LICENSE # C-16700

EXP. DATE 11/30/01

FILE NO. PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101837
AC - FLS - SS PH
DATE JAN 1 2 2000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL 03- 104224
AC FLS SS
DATE MAR 0 1 2007

M:\99100\ACAD\STRU\S3.dwg 10-18-99 12:08:01 pm EST

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1416
EXP. 3-31-01
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

ROOF FRAMING
PLANS AND DETAILS

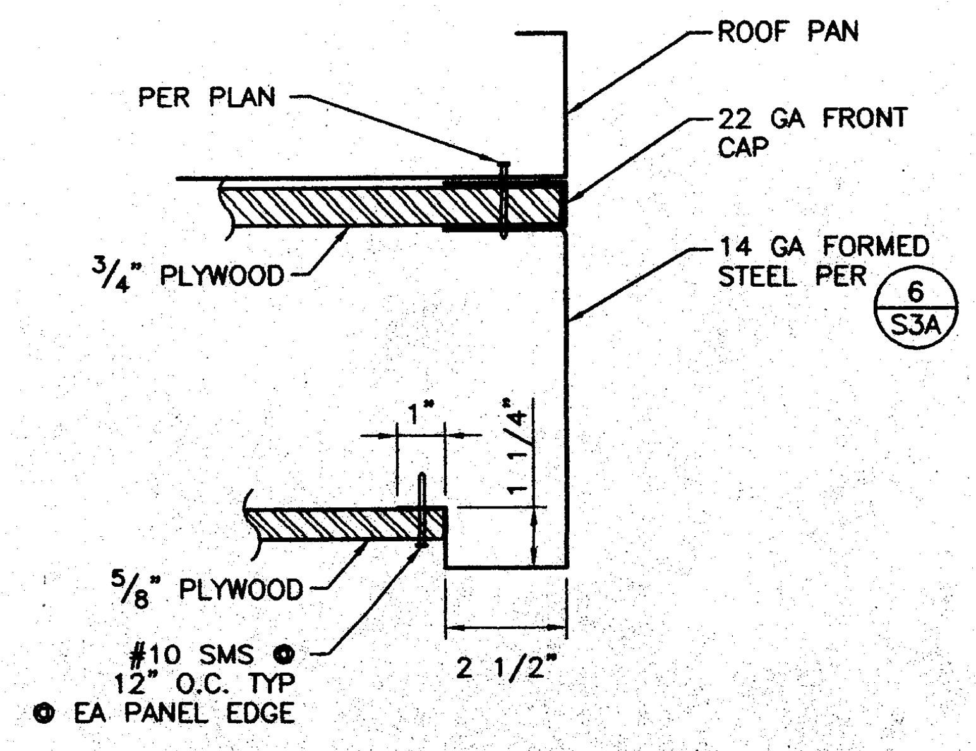
DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.
99100

SHEET No.
S3


ROOF PAN
PER PLAN
22 GA FRONT CAP
3/4" PLYWOOD
14 GA FORMED STEEL PER 6/S3A
1"
1 1/4"
5/8" PLYWOOD
#10 SMS @ 12" O.C. TYP @ EA PANEL EDGE
2 1/2"

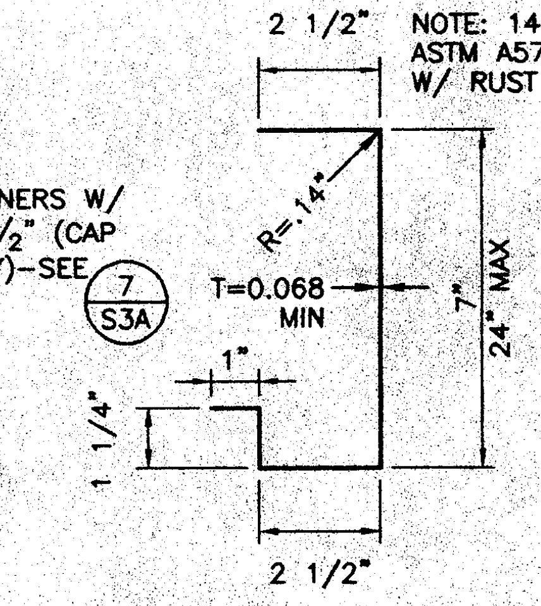
ALT ENCLOSED SOFFIT
W/ PLYWOOD DECKING

5/S3A DETAIL

3" = 1'-0"

NOTE: 14 GA STL FABRICATED FROM ASTM A570 GRADE 36 ROLLED SHEETS W/ RUST INHIBITIVE PRIMER

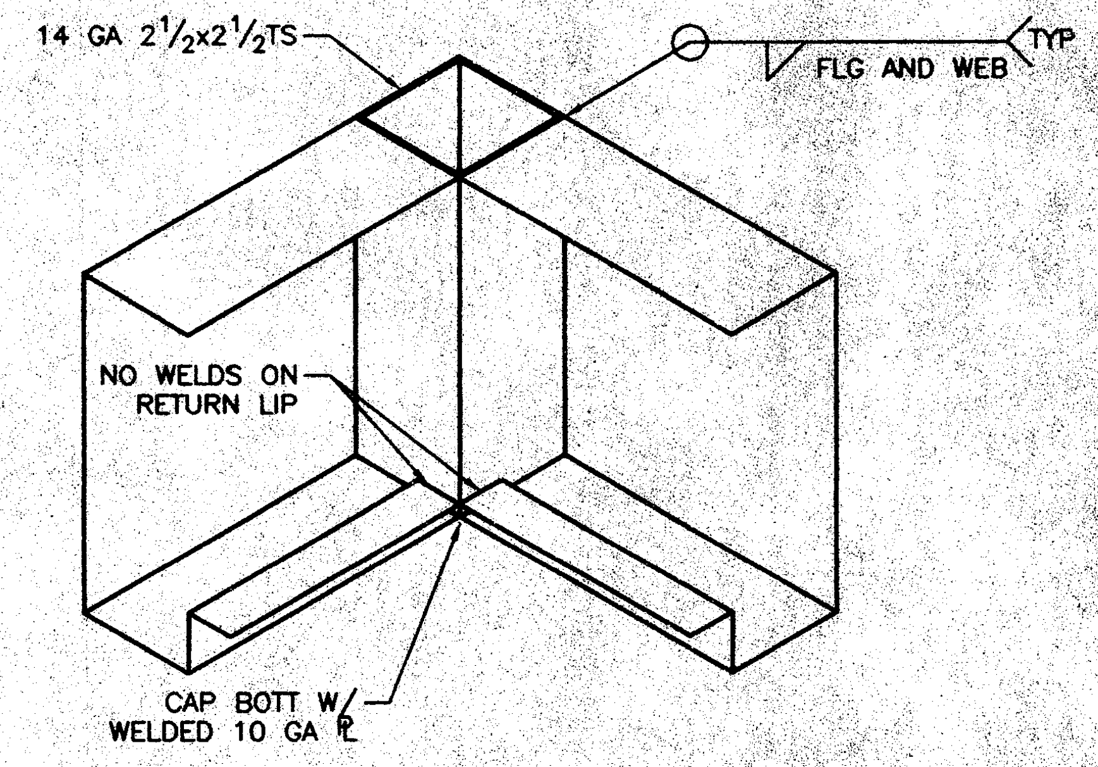
NOTE:
WELD CORNERS W/ TS2 1/2"x2 1/2" (CAP BOTT ONLY)-SEE 7/S3A


2 1/2"
R=.14"
T=0.068 MIN
7"
24" MAX
1"
1 1/4"
2 1/2"

14 GA FORMED STEEL CEE
ALT ENCLOSED SOFFIT

6/S3A DETAIL

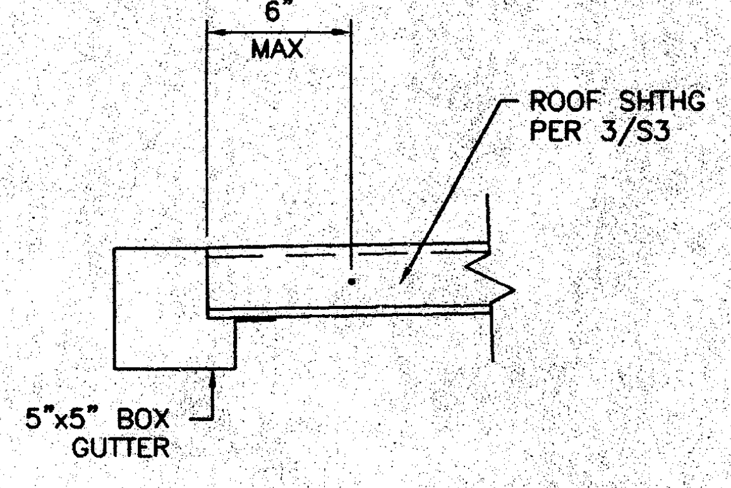
3" = 1'-0"


14 GA 2 1/2x2 1/2TS
FLG AND WEB
TYP
NO WELDS ON RETURN LIP
CAP BOTT W/ WELDED 10 GA PL

ALT ENCLOSED SOFFIT STL PROFILE

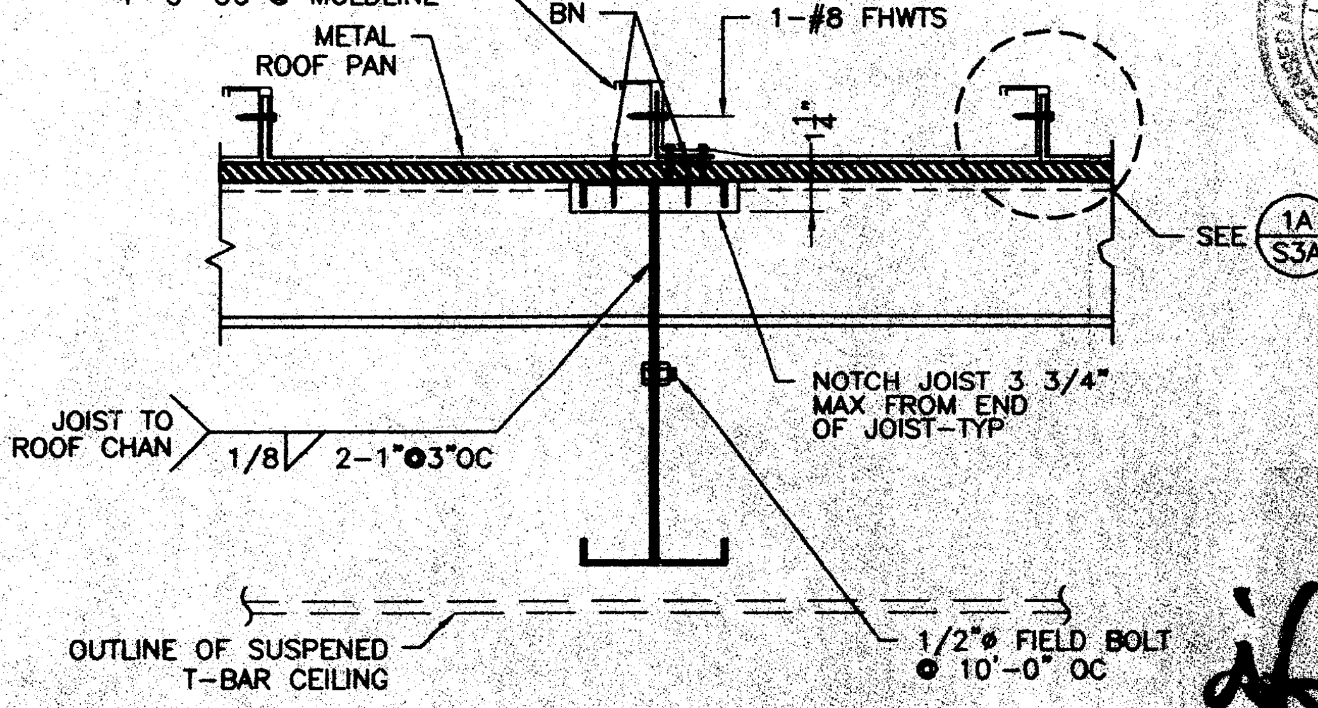
7/S3A DETAIL

NO SCALE


6" MAX
ROOF SHTHG PER 3/S3
5"x5" BOX GUTTER

8/S3A DETAIL

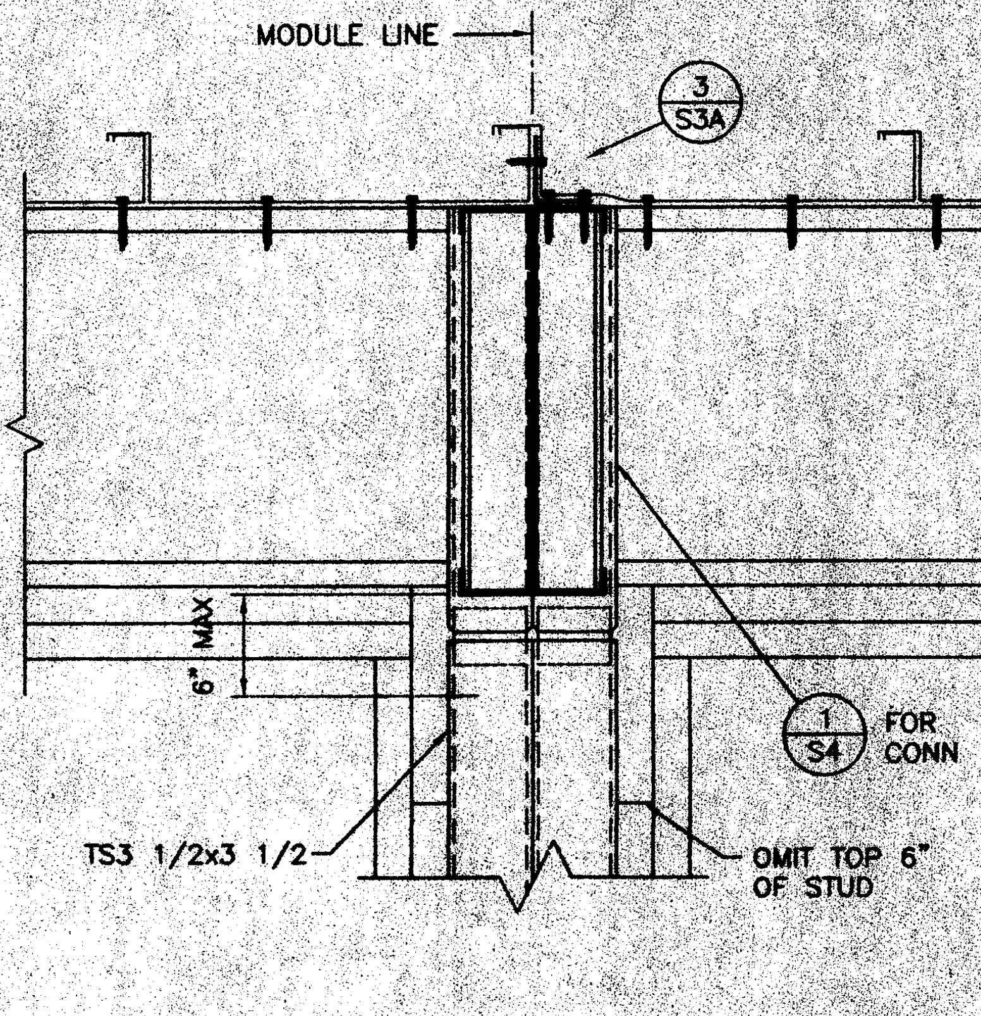
NO SCALE


CRIMP OVERLAP 4'-0" OC @ MOLDLINE
BN
METAL ROOF PAN
1-#8 FHWTS
1 1/4"
SEE 1A/S3A
JOIST TO ROOF CHAN
1/8 2-1"@3"OC
NOTCH JOIST 3 3/4" MAX FROM END OF JOIST-TYP
OUTLINE OF SUSPENED T-BAR CEILING
1/2"ø FIELD BOLT @ 10'-0" OC

ALT W/ ROOF PLYWOOD SHTHG

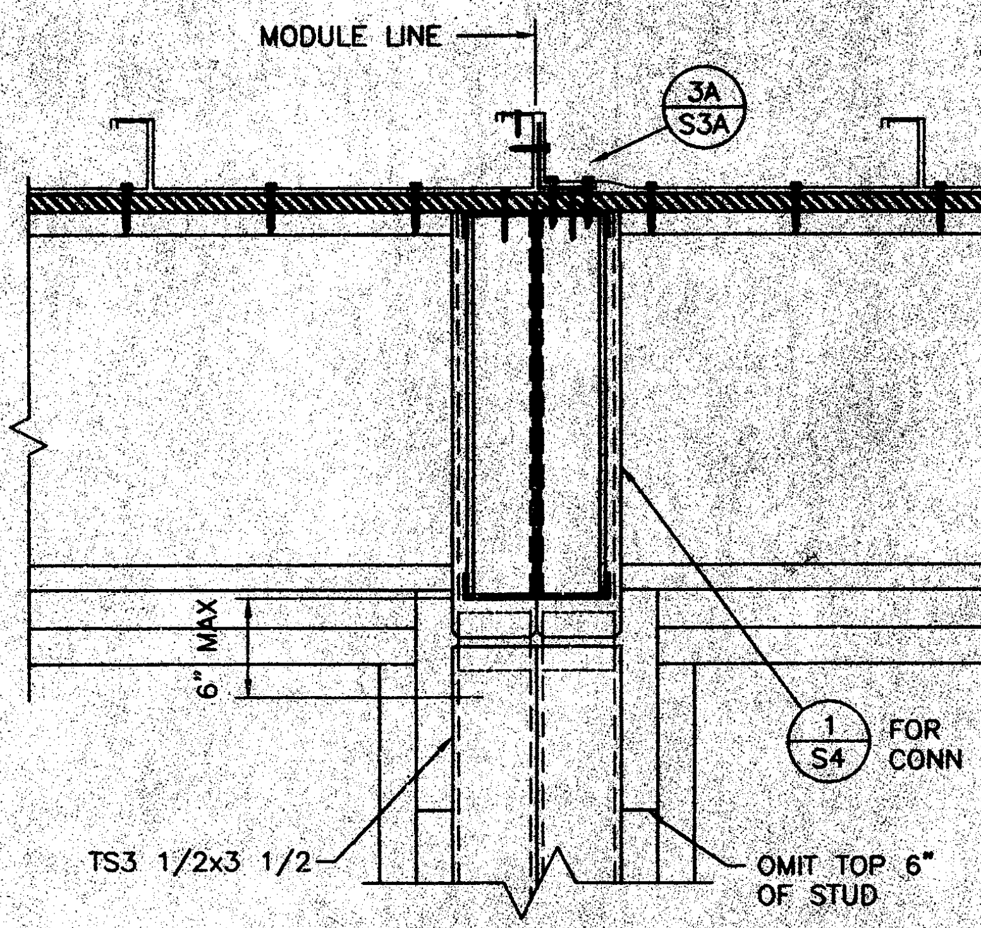
3A/S3A DETAIL

1 1/2" = 1'-0"


MODULE LINE
3/S3A
6" MAX
1/S4 FOR CONN
TS3 1/2x3 1/2
OMIT TOP 6" OF STUD

4/S3A DETAIL

1 1/2" = 1'-0"

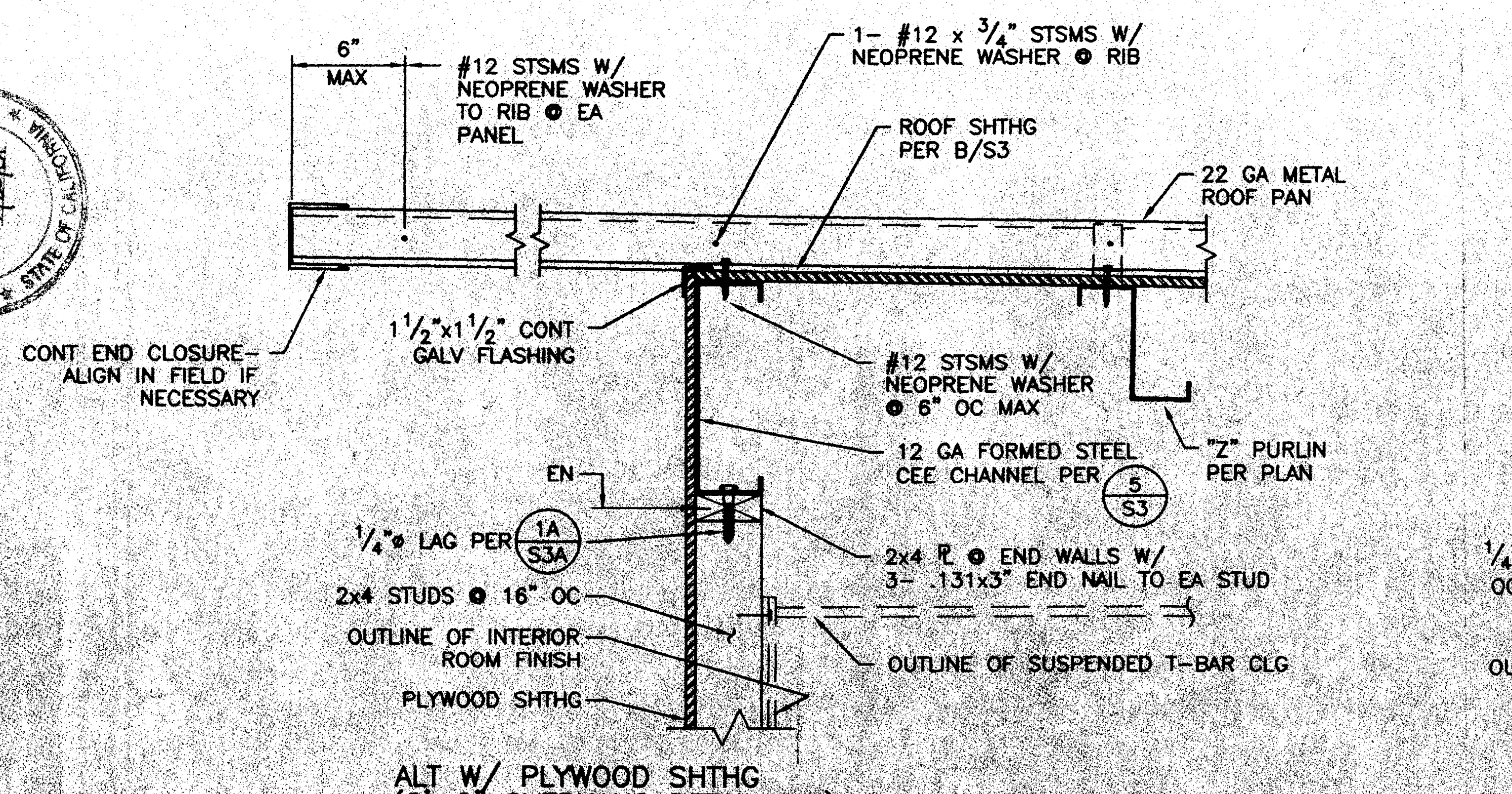

MODULE LINE
3A/S3A
6" MAX
1/S4 FOR CONN
TS3 1/2x3 1/2
OMIT TOP 6" OF STUD

ALT W/ PLYWOOD DECKING

4A/S3A DETAIL

1 1/2" = 1'-0"

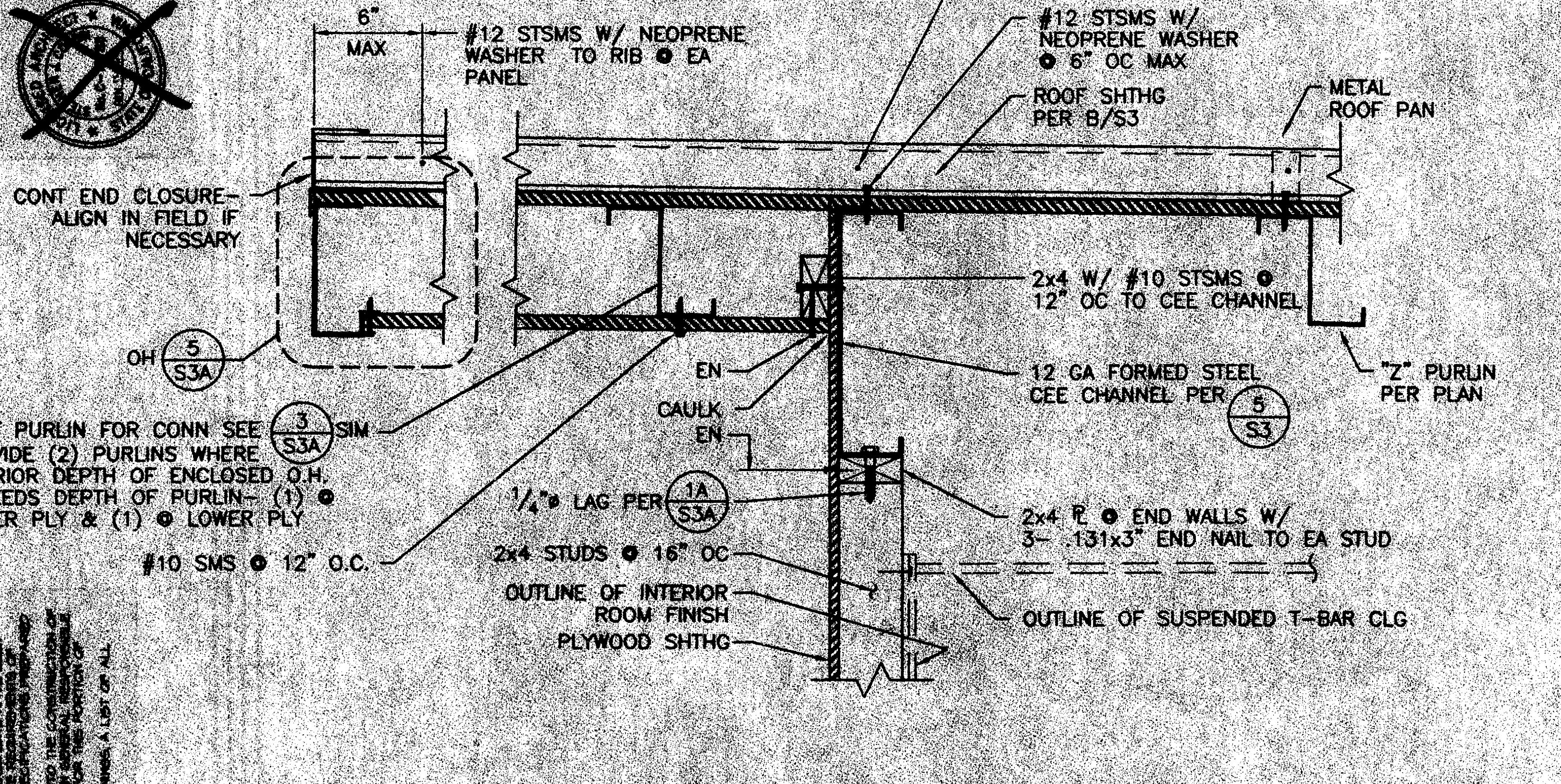
LICENSED ARCHITECT
STEPHEN J. CORBIN
No. C-10788
REN 11/30/01


6" MAX
#12 STSMS W/ NEOPRENE WASHER TO RIB @ EA PANEL
1- #12 x 3/4" STSMS W/ NEOPRENE WASHER @ RIB
ROOF SHTHG PER B/S3
22 GA METAL ROOF PAN
CONT END CLOSURE- ALIGN IN FIELD IF NECESSARY
1 1/2"x1 1/2" CONT GALV FLASHING
#12 STSMS W/ NEOPRENE WASHER @ 6" OC MAX
12 GA FORMED STEEL CEE CHANNEL PER 5/S3
"Z" PURLIN PER PLAN
EN
1/4"ø LAG PER 1A/S3A
2x4 PL @ END WALLS W/ 3- .131x3" END NAIL TO EA STUD
2x4 STUDS @ 16" OC
OUTLINE OF INTERIOR ROOM FINISH
OUTLINE OF SUSPENDED T-BAR CLG
PLYWOOD SHTHG

ALT W/ PLYWOOD SHTHG
(2'-0" OVERHANG DETAIL SIM)

2A/S3A 5'-0" OVERHANG DETAIL

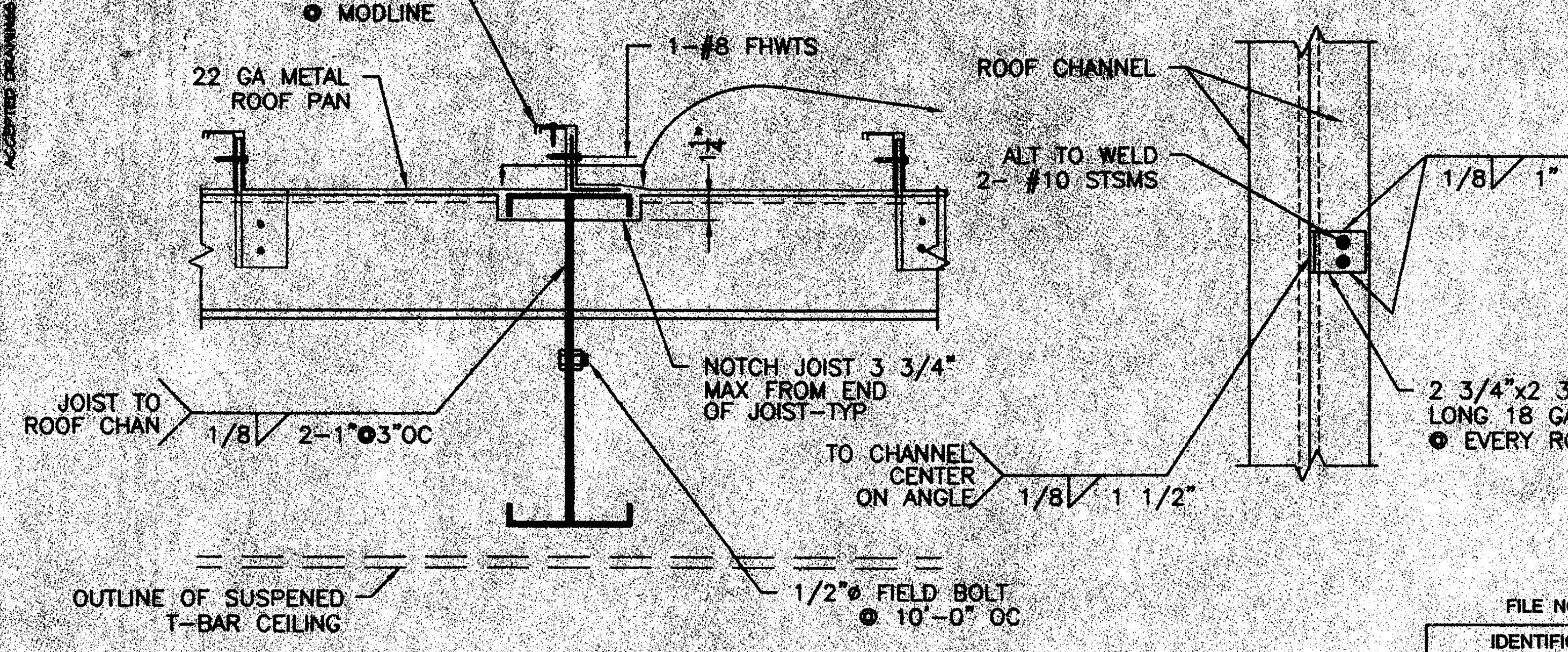
1 1/2" = 1'-0"


6" MAX
#12 STSMS W/ NEOPRENE WASHER TO RIB @ EA PANEL
1- #12 x 3/4" STSMS W/ NEOPRENE WASHER @ RIB
#12 STSMS W/ NEOPRENE WASHER @ 6" OC MAX
ROOF SHTHG PER B/S3
METAL ROOF PAN
CONT END CLOSURE- ALIGN IN FIELD IF NECESSARY
2x4 W/ #10 STSMS @ 12" OC TO CEE CHANNEL
OH 5/S3A
EN
CAULK
EN
12 GA FORMED STEEL CEE CHANNEL PER 5/S3
"Z" PURLIN PER PLAN
ROOF PURLIN FOR CONN SEE 3/S3A SIM PROVIDE (2) PURLINS WHERE INTERIOR DEPTH OF ENCLOSED O.H. EXCEEDS DEPTH OF PURLIN- (1) @ UPPER PLY & (1) @ LOWER PLY
1/4"ø LAG PER 1A/S3A
2x4 PL @ END WALLS W/ 3- .131x3" END NAIL TO EA STUD
#10 SMS @ 12" O.C.
2x4 STUDS @ 16" OC
OUTLINE OF INTERIOR ROOM FINISH
OUTLINE OF SUSPENDED T-BAR CLG
PLYWOOD SHTHG

ALTERNATE ENCLOSED SOFFIT & ROOF PLYWOOD
(2'-0" OVERHANG DETAIL SIM)

2B/S3A 5'-0" OVERHANG DETAIL

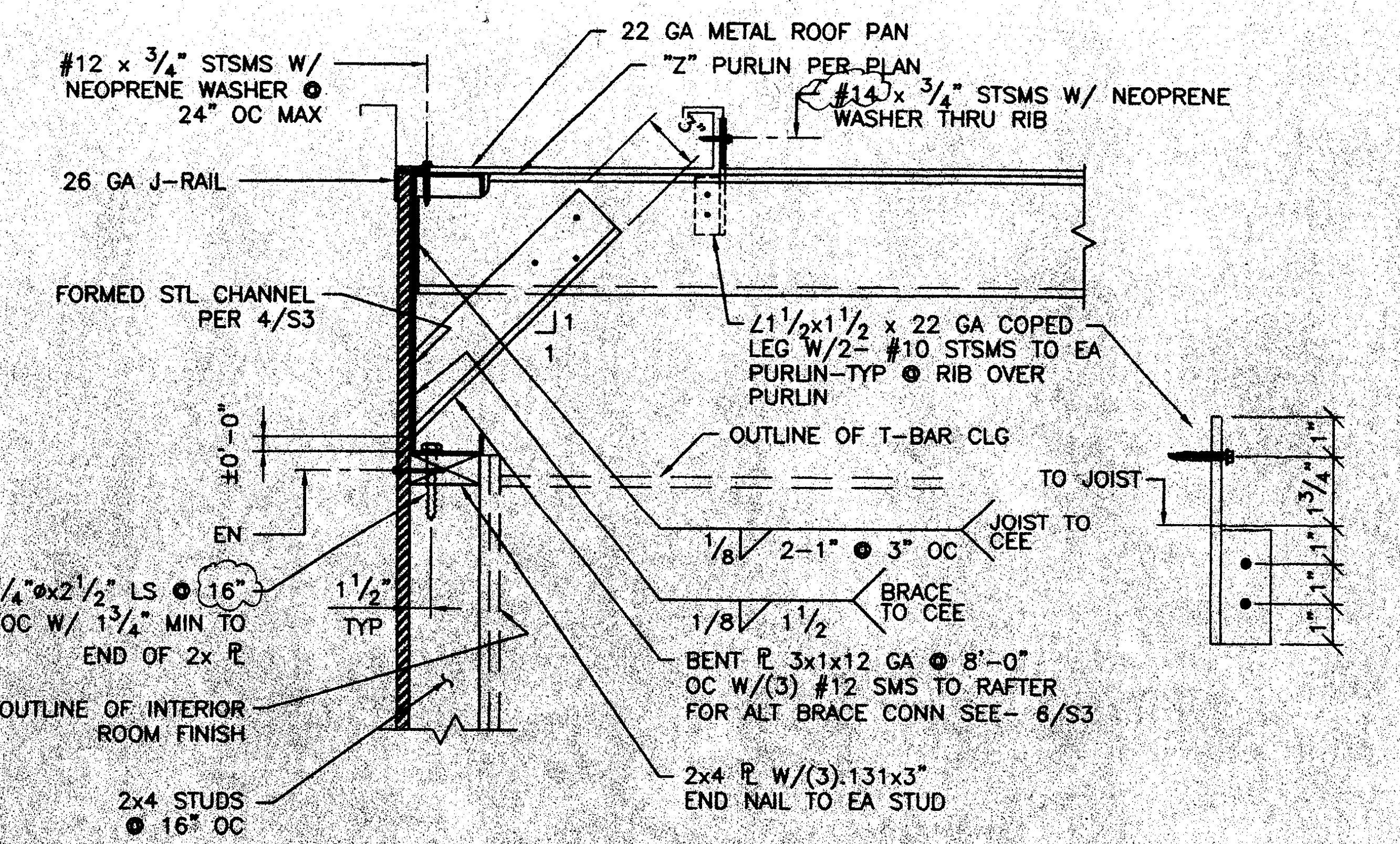
1 1/2" = 1'-0"


CRIMP OVERLAP 4'-0" OC @ MODLINE
1-#8 FHWTS
22 GA METAL ROOF PAN
ROOF CHANNEL
ALT TO WELD 2- #10 STSMS
1/8 1"
JOIST TO ROOF CHAN
1/8 2-1"@3"OC
NOTCH JOIST 3 3/4" MAX FROM END OF JOIST-TYP
2 3/4"x2 3/4"x2" LONG 18 GA BENT PL @ EVERY ROOF JOIST
TO CHANNEL CENTER ON ANGLE
1/8 1 1/2"
OUTLINE OF SUSPENED T-BAR CEILING
1/2"ø FIELD BOLT @ 10'-0" OC

3/S3A DETAIL

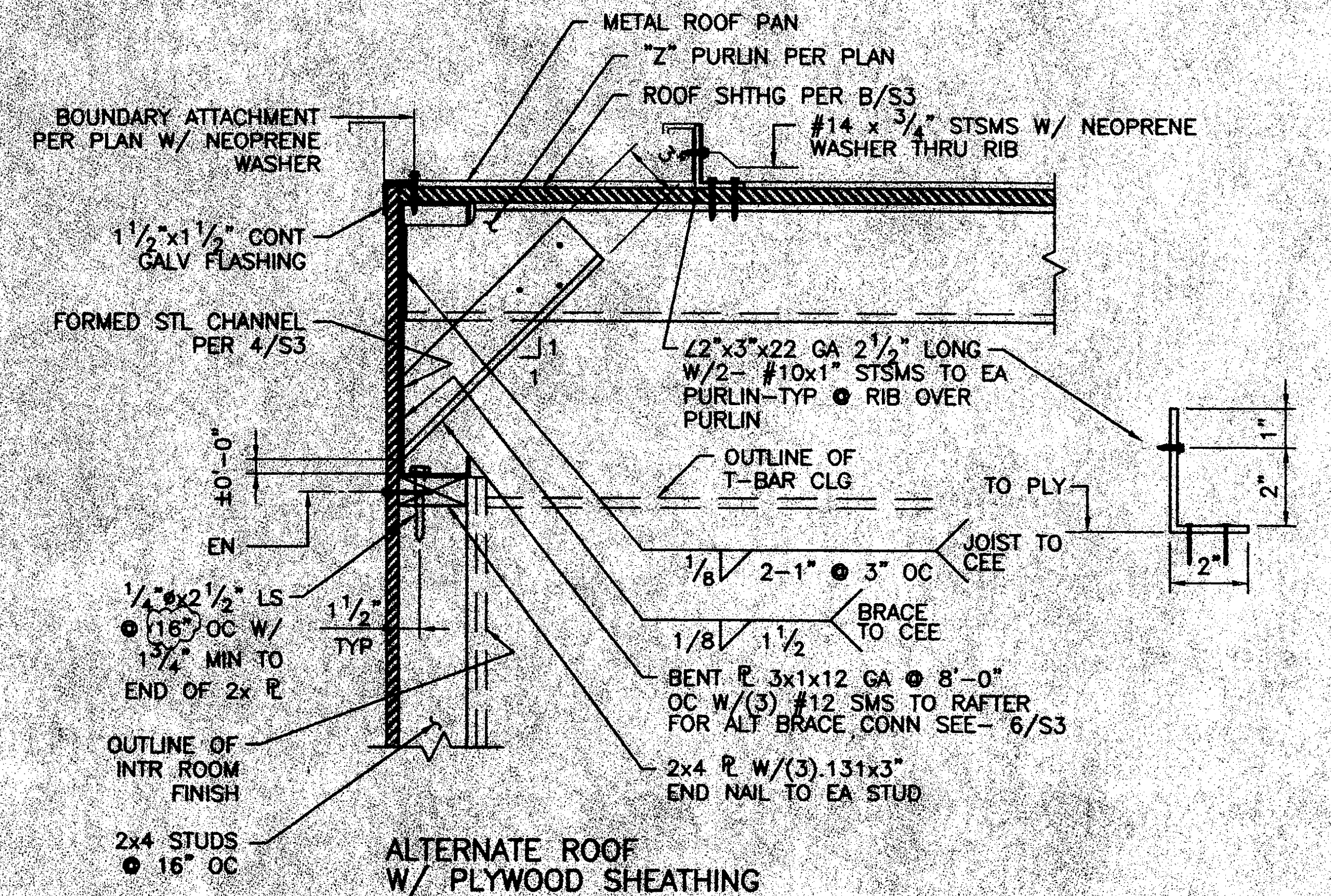
1 1/2" = 1'-0"

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


#12 x 3/4" STSMS W/ NEOPRENE WASHER @ 24" OC MAX
22 GA METAL ROOF PAN
"Z" PURLIN PER PLAN
#14 x 3/4" STSMS W/ NEOPRENE WASHER THRU RIB
26 GA J-RAIL
FORMED STL CHANNEL PER 4/S3
∠1 1/2x1 1/2 x 22 GA COPED LEG W/2- #10 STSMS TO EA PURLIN-TYP @ RIB OVER PURLIN
OUTLINE OF T-BAR CLG
±0'-0"
TO JOIST
EN
1/8 2-1" @ 3" OC
JOIST TO CEE
1/4"øx2 1/2" LS @ 16" OC W/ 1 3/4" MIN TO END OF 2x PL
1 1/2" TYP
1/8 1 1/2
BRACE TO CEE
BENT PL 3x1x12 GA @ 8'-0" OC W/(3) #12 SMS TO RAFTER FOR ALT BRACE CONN SEE- 6/S3
OUTLINE OF INTERIOR ROOM FINISH
2x4 PL W/(3).131x3" END NAIL TO EA STUD
2x4 STUDS @ 16" OC
1"
1 3/4"

1/S3A DETAIL

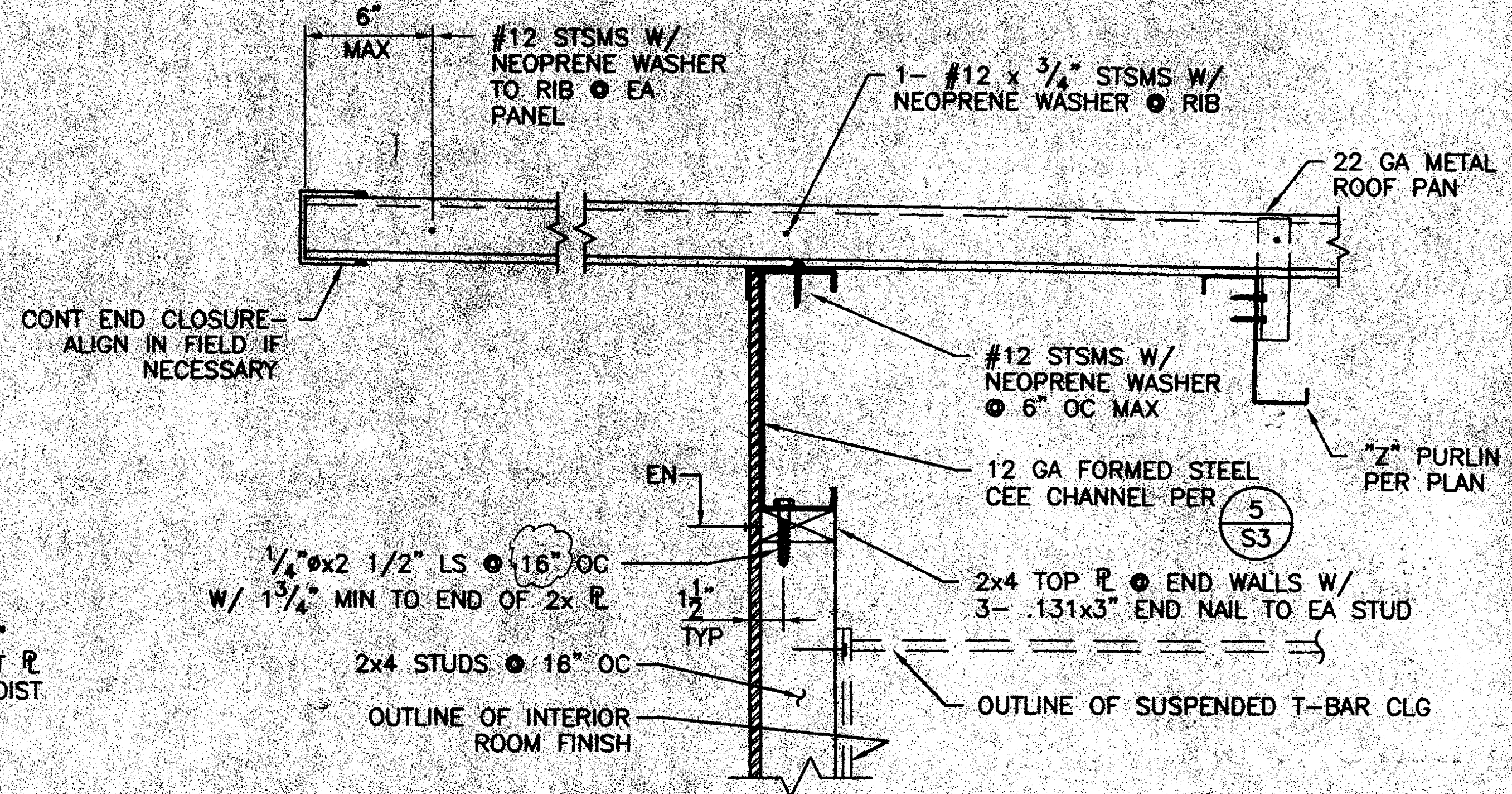
1 1/2" = 1'-0"


METAL ROOF PAN
"Z" PURLIN PER PLAN
ROOF SHTHG PER B/S3
BOUNDARY ATTACHMENT PER PLAN W/ NEOPRENE WASHER
#14 x 3/4" STSMS W/ NEOPRENE WASHER THRU RIB
1 1/2"x1 1/2" CONT GALV FLASHING
FORMED STL CHANNEL PER 4/S3
∠2"x3"x22 GA 2 1/2" LONG W/2- #10x1" STSMS TO EA PURLIN-TYP @ RIB OVER PURLIN
OUTLINE OF T-BAR CLG
±0'-0"
TO PLY
1"
2"
2"
EN
1/8 2-1" @ 3" OC
JOIST TO CEE
1/4"øx2 1/2" LS @ 16" OC W/ 1 3/4" MIN TO END OF 2x PL
1 1/2" TYP
1/8 1 1/2
BRACE TO CEE
BENT PL 3x1x12 GA @ 8'-0" OC W/(3) #12 SMS TO RAFTER FOR ALT BRACE CONN SEE- 6/S3
OUTLINE OF INTR ROOM FINISH
2x4 PL W/(3).131x3" END NAIL TO EA STUD
2x4 STUDS @ 16" OC

ALTERNATE ROOF
W/ PLYWOOD SHEATHING

1A/S3A DETAIL

1 1/2" = 1'-0"


6" MAX
#12 STSMS W/ NEOPRENE WASHER TO RIB @ EA PANEL
1- #12 x 3/4" STSMS W/ NEOPRENE WASHER @ RIB
22 GA METAL ROOF PAN
CONT END CLOSURE- ALIGN IN FIELD IF NECESSARY
#12 STSMS W/ NEOPRENE WASHER @ 6" OC MAX
"Z" PURLIN PER PLAN
12 GA FORMED STEEL CEE CHANNEL PER 5/S3
EN
1/4"øx2 1/2" LS @ 16" OC W/ 1 3/4" MIN TO END OF 2x PL
1 1/2" TYP
2x4 TOP PL @ END WALLS W/ 3- .131x3" END NAIL TO EA STUD
2x4 STUDS @ 16" OC
OUTLINE OF INTERIOR ROOM FINISH
OUTLINE OF SUSPENDED T-BAR CLG

(2'-0" OVERHANG DETAIL SIM)

2/S3A DETAIL

1 1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03- 104224
AC FLS SS
DATE MAR 01 2001

M:\99100\ACAD\STRU\S3a.dwg 10-26-99 10:35:12 am EST

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-01
Structural Engineer

CUSTOMER:

ROOF FRAMING DETAILS

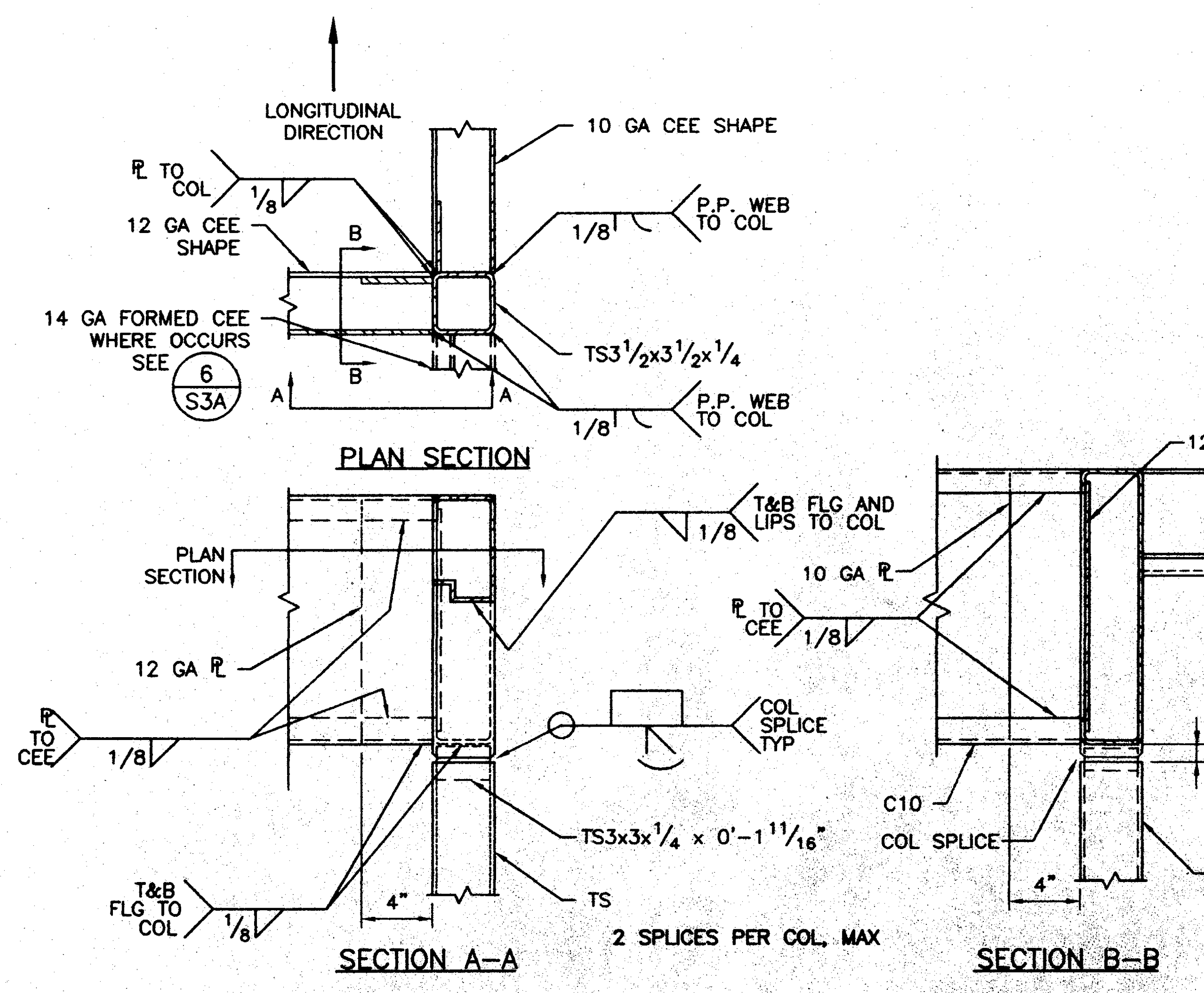
DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

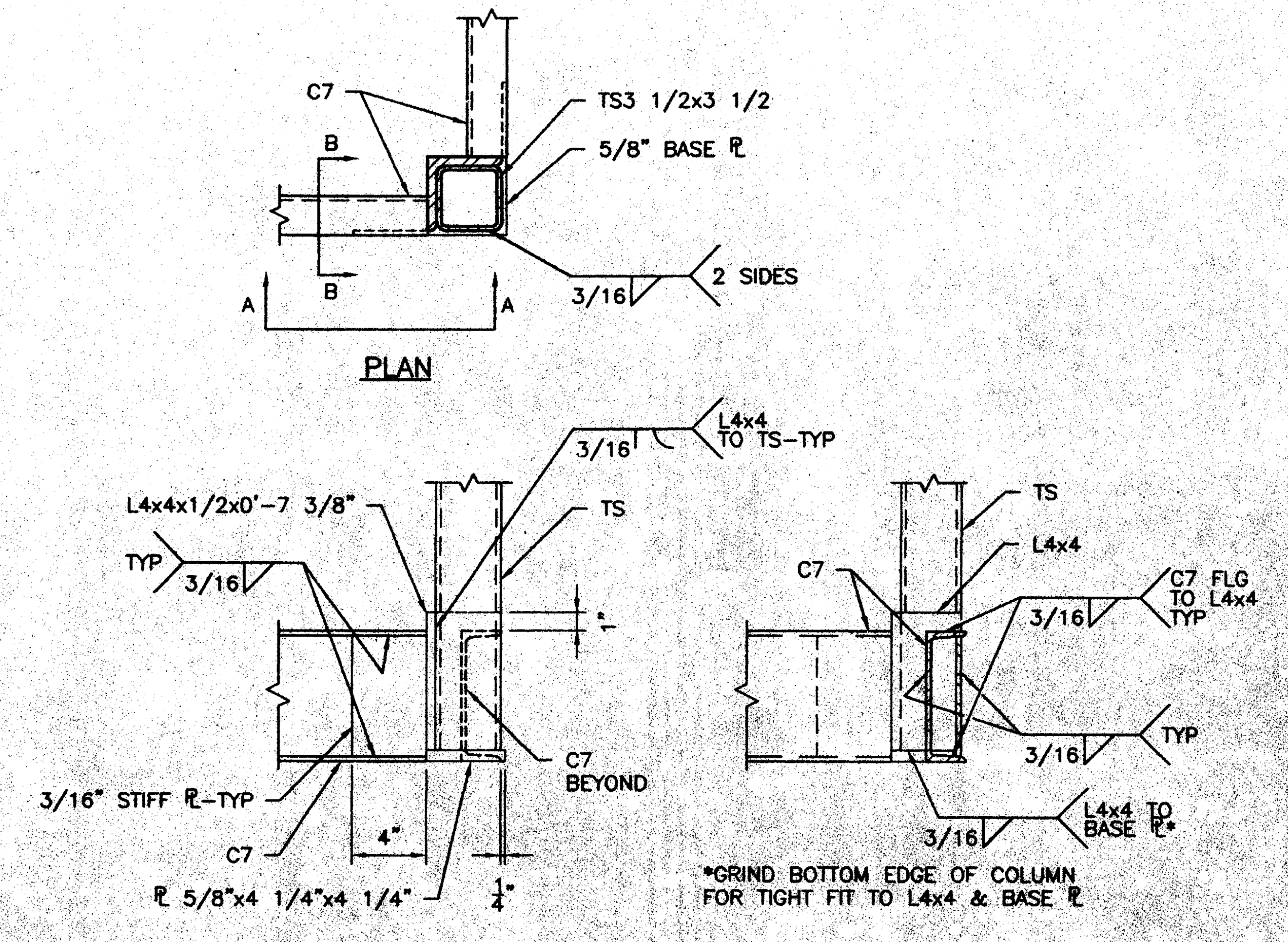
PROJECT No.
99100

SHEET No.
S3A


LONGITUDINAL DIRECTION
10 GA CEE SHAPE
℞ TO COL
1/8
12 GA CEE SHAPE
B
1/8
P.P. WEB TO COL
14 GA FORMED CEE WHERE OCCURS SEE 6/S3A
TS3 1/2x3 1/2x1/4
P.P. WEB TO COL
A
PLAN SECTION
PLAN SECTION
12 GA ℞
℞ TO CEE
1/8
T&B FLG AND LIPS TO COL
10 GA ℞
℞ TO CEE
COL SPLICE TYP
TS3x3x1/4 x 0'-1 11/16"
T&B FLG TO COL
4"
TS
SECTION A-A
2 SPLICES PER COL. MAX
12 GA ℞
1" MIN 12" MAX
C10
COL SPLICE
4"
TS
SECTION B-B

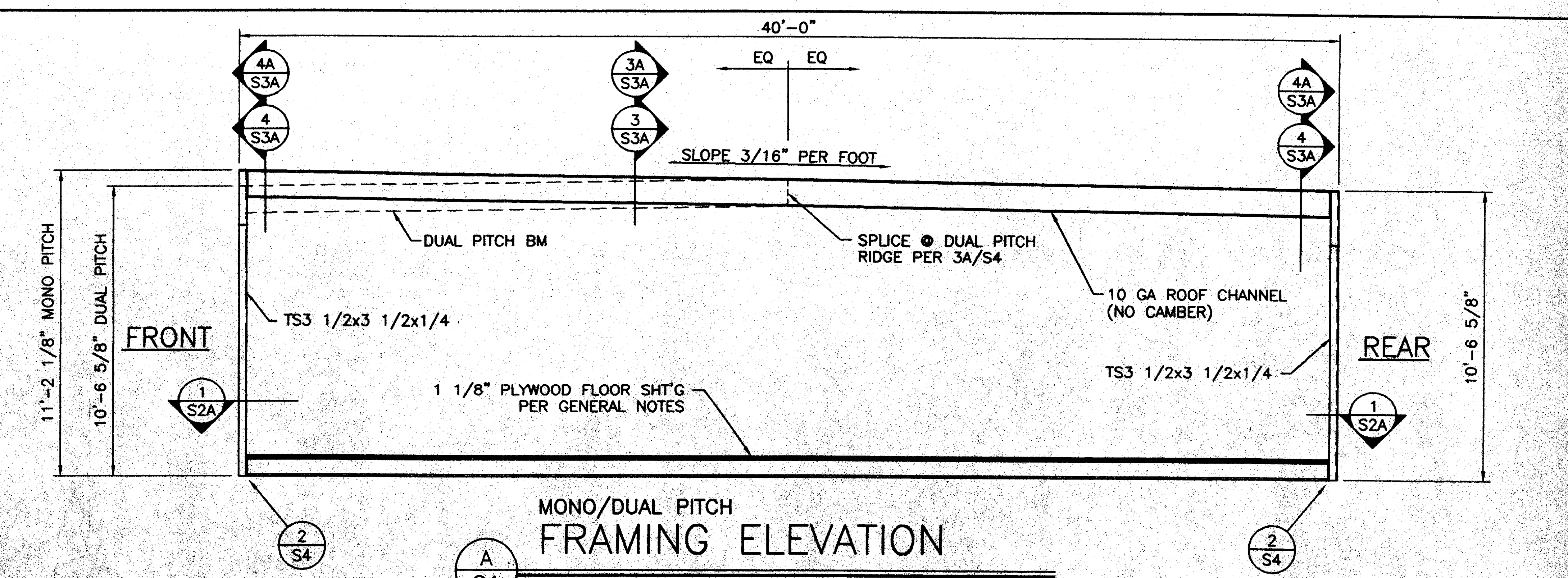
1/S4 TOP CONNECTION DETAIL

1 1/2" = 1'-0"


C7
TS3 1/2x3 1/2
5/8" BASE ℞
B
A
2 SIDES
3/16
PLAN
L4x4 TO TS-TYP
3/16
L4x4x1/2x0'-7 3/8"
TS
TYP
3/16
1"
C7 BEYOND
3/16" STIFF ℞-TYP
C7
4"
℞ 5/8"x4 1/4"x4 1/4"
SECTION A-A
TS
L4x4
C7
C7 FLG TO L4x4 TYP
3/16
3/16
TYP
L4x4 TO BASE ℞*
*GRIND BOTTOM EDGE OF COLUMN FOR TIGHT FIT TO L4x4 & BASE ℞
SECTION B-B

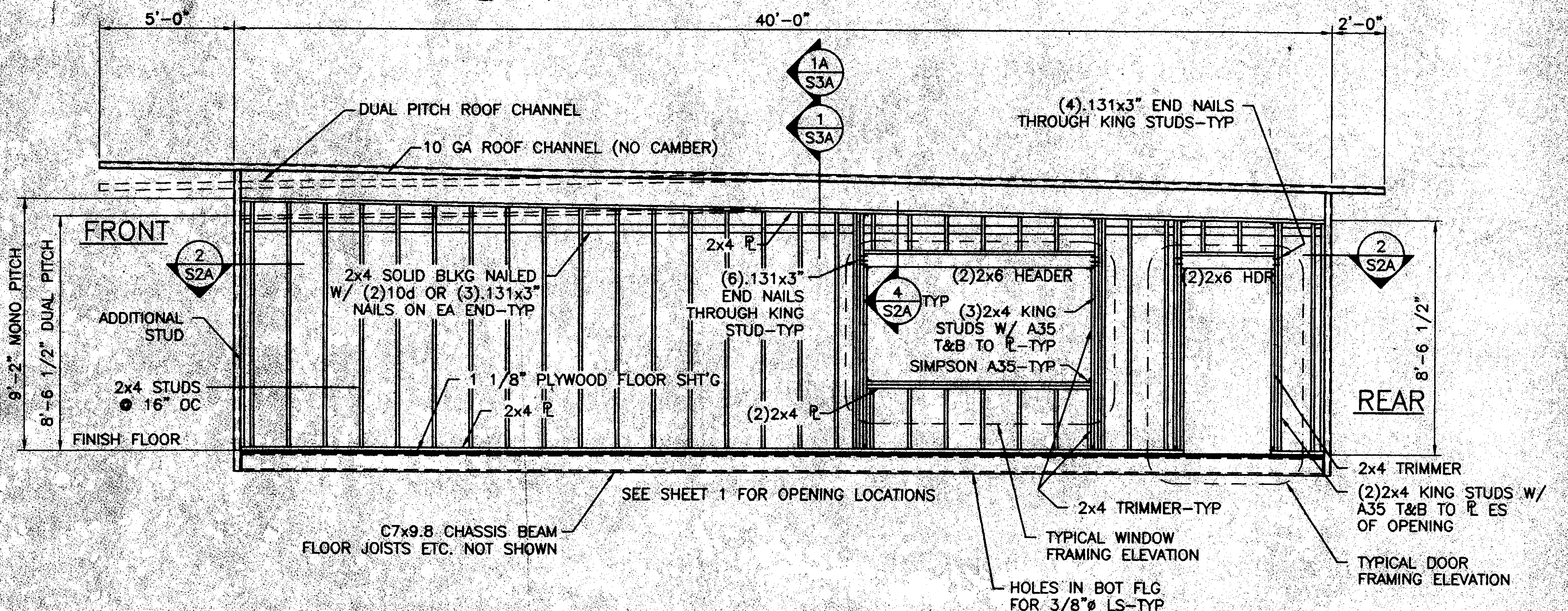
2/S4 BOTTOM CONNECTION DETAIL

1 1/2" = 1'-0"


40'-0"
EQ
EQ
4A/S3A
4/S3A
3A/S3A
3/S3A
SLOPE 3/16" PER FOOT
DUAL PITCH BM
SPLICE @ DUAL PITCH RIDGE PER 3A/S4
10 GA ROOF CHANNEL (NO CAMBER)
11'-2 1/8" MONO PITCH
10'-6 5/8" DUAL PITCH
FRONT
TS3 1/2x3 1/2x1/4
REAR
TS3 1/2x3 1/2x1/4
1 1/8" PLYWOOD FLOOR SHT'G PER GENERAL NOTES
10'-6 5/8"
1/S2A
2/S4

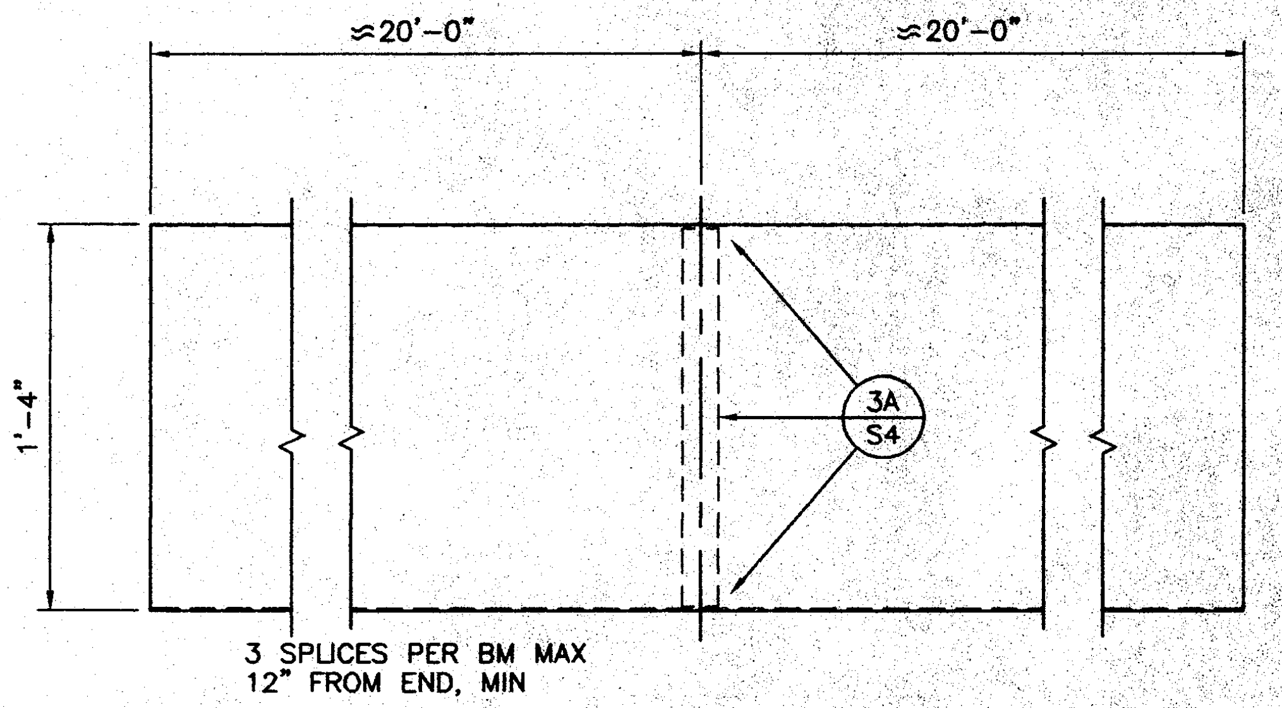
A/S4 MONO/DUAL PITCH FRAMING ELEVATION

1/4"=1'-0"


5'-0"
40'-0"
2'-0"
1A/S3A
1/S3A
DUAL PITCH ROOF CHANNEL
10 GA ROOF CHANNEL (NO CAMBER)
(4).131x3" END NAILS THROUGH KING STUDS-TYP
FRONT
2/S2A
2x4 SOLID BLKG NAILED W/ (2)10d OR (3).131x3" NAILS ON EA END-TYP
2x4 ℞
(6).131x3" END NAILS THROUGH KING STUD-TYP
(2)2x6 HEADER
4/S2A TYP
(3)2x4 KING STUDS W/ A35 T&B TO ℞-TYP
SIMPSON A35-TYP
(2)2x6 HDR
REAR
ADDITIONAL STUD
2x4 STUDS @ 16" OC
1 1/8" PLYWOOD FLOOR SHT'G
2x4 ℞
(2)2x4 ℞
9'-2" MONO PITCH
8'-6 1/2" DUAL PITCH
8'-6 1/2"
FINISH FLOOR
SEE SHEET 1 FOR OPENING LOCATIONS
2x4 TRIMMER-TYP
2x4 TRIMMER
(2)2x4 KING STUDS W/ A35 T&B TO ℞ ES OF OPENING
C7x9.8 CHASSIS BEAM FLOOR JOISTS ETC. NOT SHOWN
TYPICAL WINDOW FRAMING ELEVATION
TYPICAL DOOR FRAMING ELEVATION
HOLES IN BOT FLG FOR 3/8"ø LS-TYP @ WOOD FOUNDATION SEE 3/S1

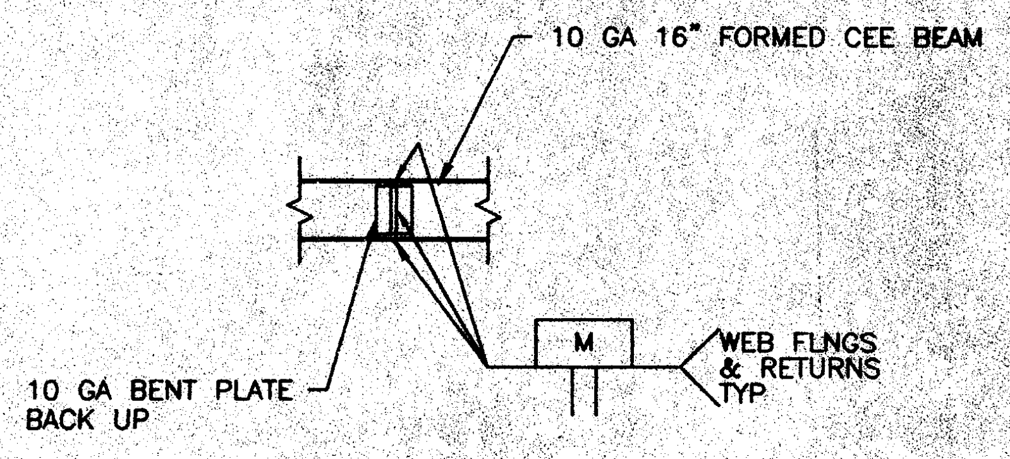
B/S4 MONO/DUAL PITCH FRAMING ELEVATION

1/4" = 1'-0"


≈20'-0"
≈20'-0"
1'-4"
3A/S4
3 SPLICES PER BM MAX 12" FROM END, MIN

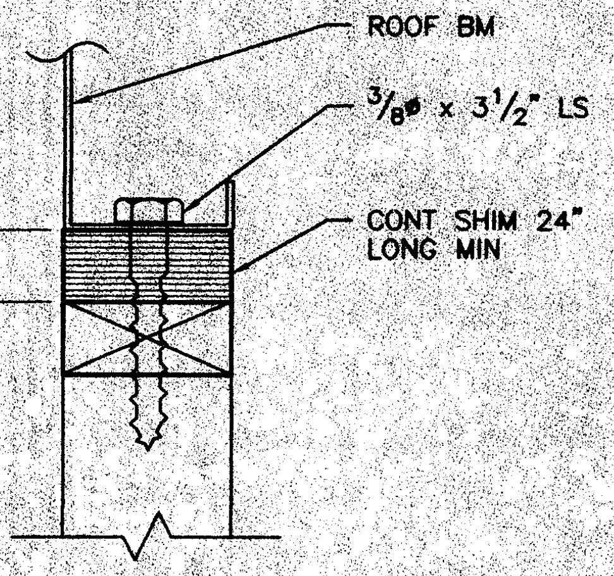
3/S4 OPTIONAL BEAM SPLICE LOCATION DETAIL

1 1/2" = 1'-0"


10 GA 16" FORMED CEE BEAM
10 GA BENT PLATE BACK UP
M
WEB FLNGS & RETURNS TYP

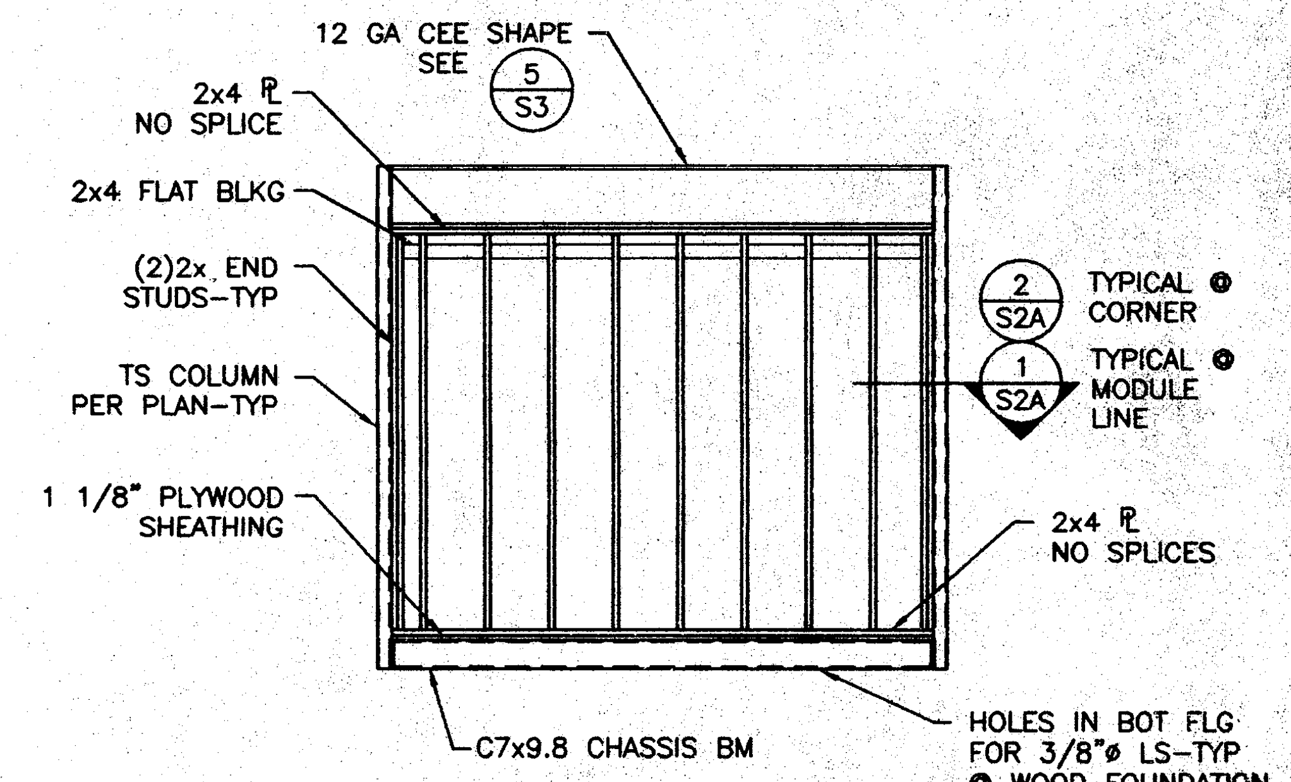
3A/S4 BEAM SPLICE DETAIL

1 1/2" = 1'-0"


ROOF BM
3/8ø x 3 1/2" LS
1 1/2" MAX
CONT SHIM 24" LONG MIN

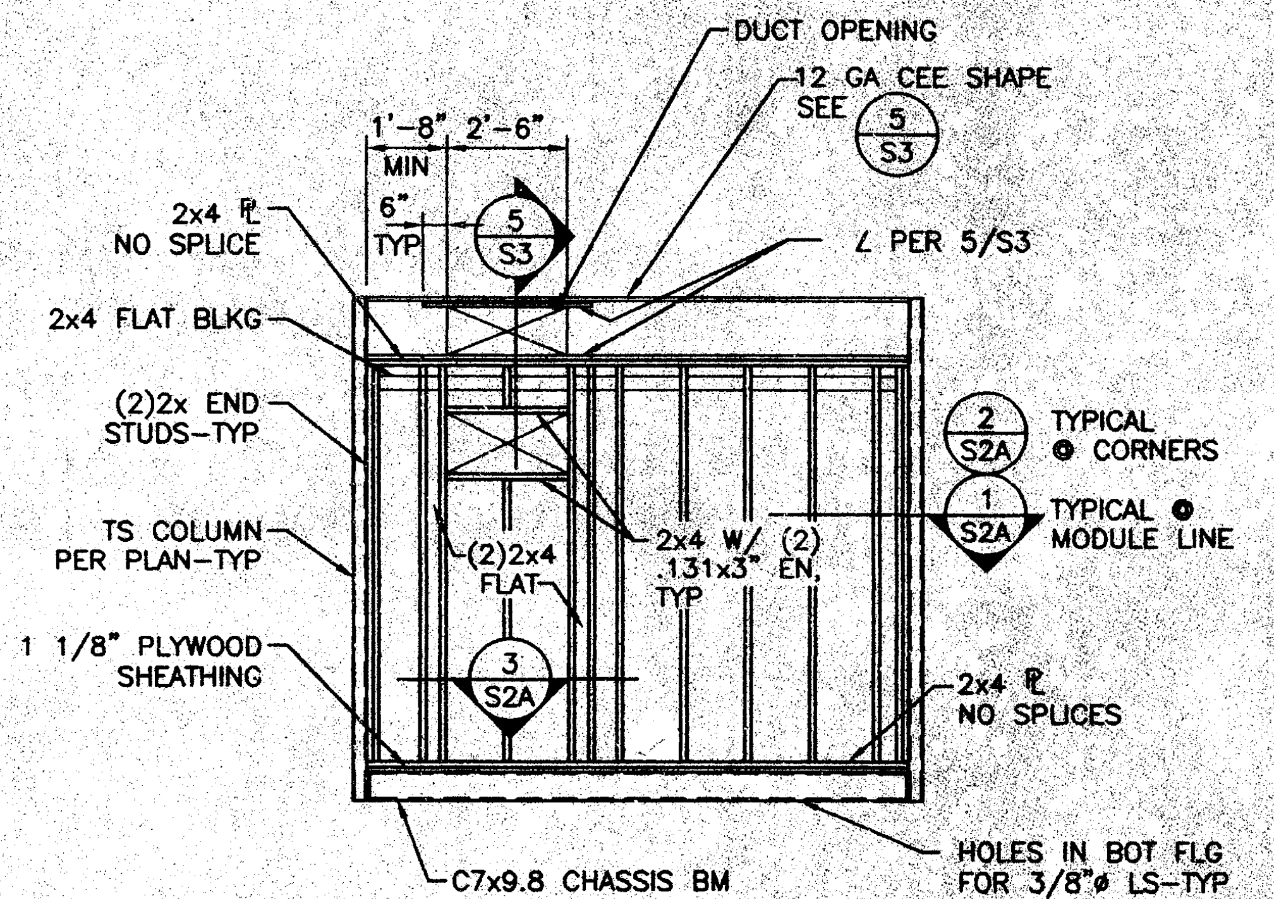
4/S4 OPTIONAL SHIM @ SIDEWALL/ ENDWALL SIM DETAIL

1 1/2" = 1'-0"


12 GA CEE SHAPE SEE 5/S3
2x4 ℞ NO SPLICE
2x4 FLAT BLKG
(2)2x END STUDS-TYP
TS COLUMN PER PLAN-TYP
1 1/8" PLYWOOD SHEATHING
2/S2A TYPICAL @ CORNER
1/S2A TYPICAL @ MODULE LINE
2x4 ℞ NO SPLICES
HOLES IN BOT FLG FOR 3/8"ø LS-TYP @ WOOD FOUNDATION SEE 3/S1
C7x9.8 CHASSIS BM

C/S4 SOLID END WALL ELEVATION

1/4" = 1'-0"

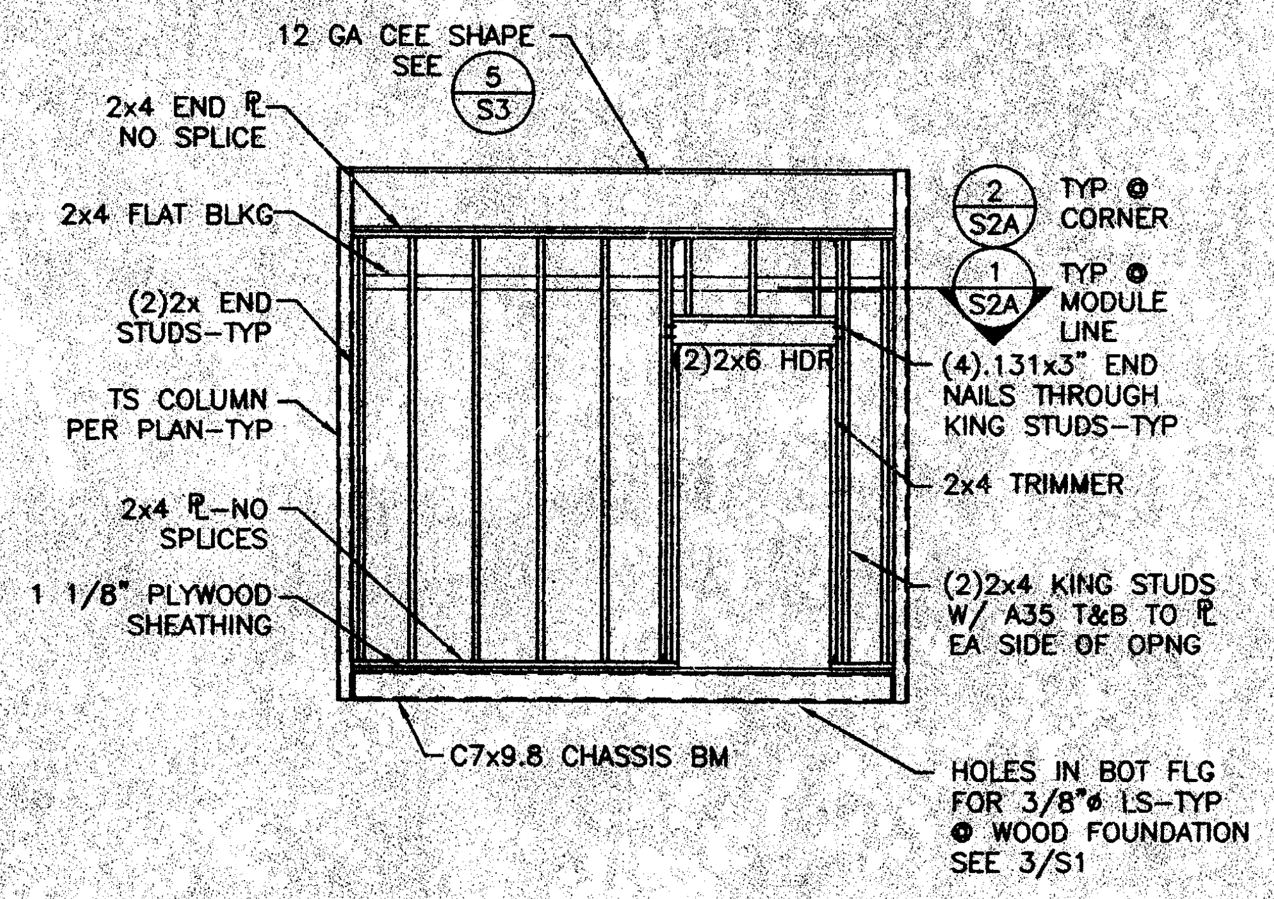

DUCT OPENING
12 GA CEE SHAPE SEE 5/S3
1'-8"
2'-6"
MIN
6" TYP
5/S3
2x4 ℞ NO SPLICE
2x4 FLAT BLKG
∠ PER 5/S3
(2)2x END STUDS-TYP
TS COLUMN PER PLAN-TYP
(2)2x4 FLAT
2x4 W/ (2) .131x3" EN. TYP
1 1/8" PLYWOOD SHEATHING
3/S2A
2/S2A TYPICAL @ CORNERS
1/S2A TYPICAL @ MODULE LINE
2x4 ℞ NO SPLICES
C7x9.8 CHASSIS BM
HOLES IN BOT FLG FOR 3/8"ø LS-TYP @ WOOD FOUNDATION SEE 3/S1

NOTE:
HVAC DUCT OPENING LOCATION MAY VARY ANYWHERE ALONG 12 GA CEE MEMBER EXCEPT AS SHOWN ABOVE

SEE SHEET 1 FOR OPENING LOCATION

D/S4 HVAC END WALL ELEVATION

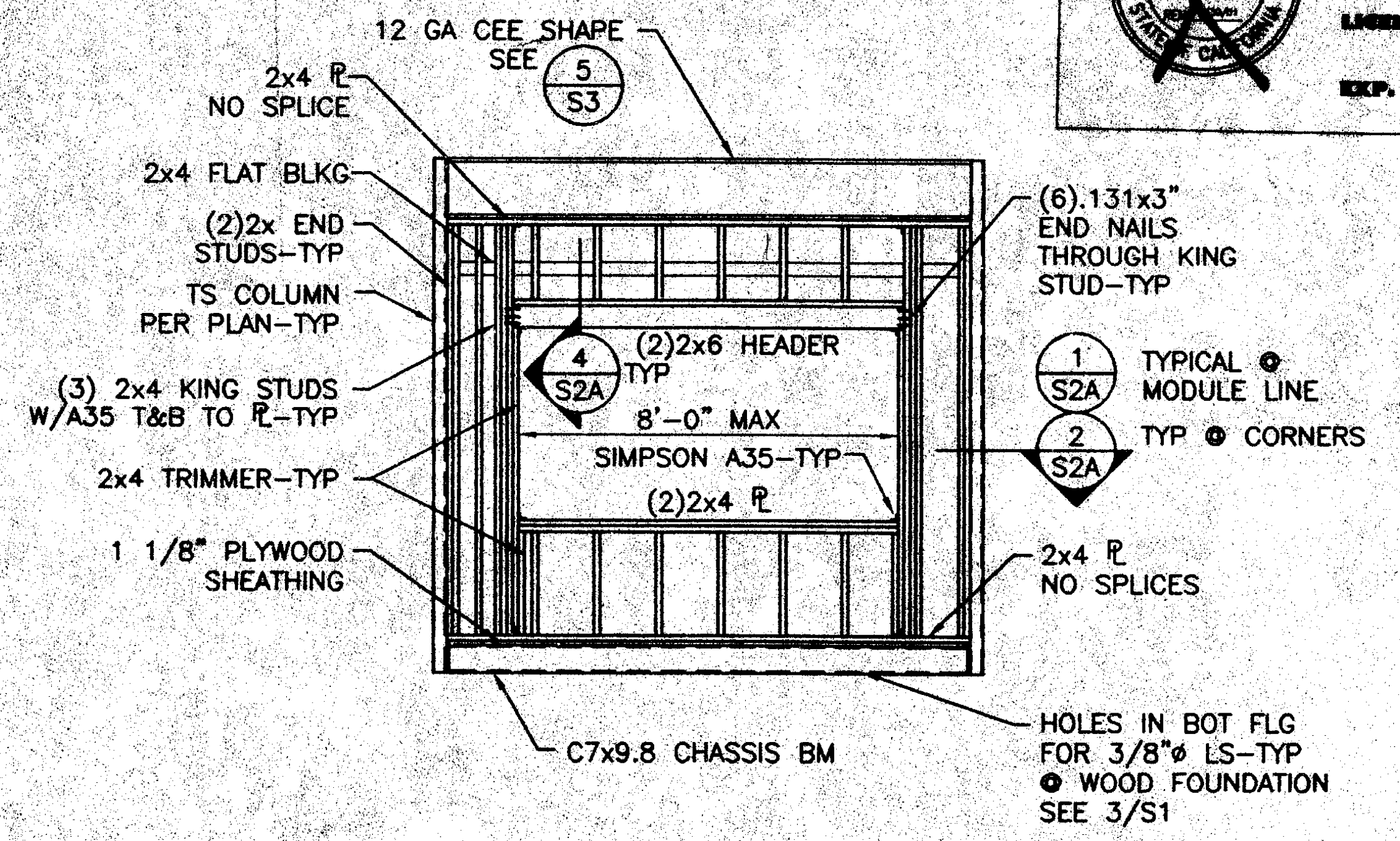
1/4" = 1'-0"


12 GA CEE SHAPE SEE 5/S3
2x4 END ℞ NO SPLICE
2x4 FLAT BLKG
(2)2x END STUDS-TYP
TS COLUMN PER PLAN-TYP
2x4 ℞-NO SPLICES
1 1/8" PLYWOOD SHEATHING
2/S2A TYP @ CORNER
1/S2A TYP @ MODULE LINE
(2)2x6 HDR
(4).131x3" END NAILS THROUGH KING STUDS-TYP
2x4 TRIMMER
(2)2x4 KING STUDS W/ A35 T&B TO ℞ EA SIDE OF OPNG
C7x9.8 CHASSIS BM
HOLES IN BOT FLG FOR 3/8"ø LS-TYP @ WOOD FOUNDATION SEE 3/S1

SEE SHEET 1 FOR OPENING LOCATION

E/S4 DOOR END WALL ELEVATION

1/4" = 1'-0"


12 GA CEE SHAPE SEE 5/S3
2x4 ℞ NO SPLICE
2x4 FLAT BLKG
(2)2x END STUDS-TYP
TS COLUMN PER PLAN-TYP
(3) 2x4 KING STUDS W/A35 T&B TO ℞-TYP
2x4 TRIMMER-TYP
1 1/8" PLYWOOD SHEATHING
(6).131x3" END NAILS THROUGH KING STUD-TYP
4/S2A TYP
(2)2x6 HEADER
8'-0" MAX
SIMPSON A35-TYP
(2)2x4 ℞
1/S2A TYPICAL @ MODULE LINE
2/S2A TYP @ CORNERS
2x4 ℞ NO SPLICES
C7x9.8 CHASSIS BM
HOLES IN BOT FLG FOR 3/8"ø LS-TYP @ WOOD FOUNDATION SEE 3/S1

SEE SHEET 1 FOR OPENING LOCATION

F/S4 WINDOW END WALL ELEVATION

1/2" = 1'-0"

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

A LIST OF ITEMS HAVE BEEN REV[illegible] A LIST OF ALL ACCEPTED DRAWINGS ARE A[illegible]

[illegible], AIA DATE 8/24/10

LICENSE # C-16788

EXP. DATE 11/30/01

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN. 11/30/01 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 1 0 4 2 2
AC ____ FLS ____ SS ____
DATE MAR 0 1 2001

FILE NO. PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101837
AC ~ FLS - SS AH
DATE JAN 1 2 2000

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

24 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

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

CUSTOMER:

FRAMING ELEVATIONS AND DETAILS

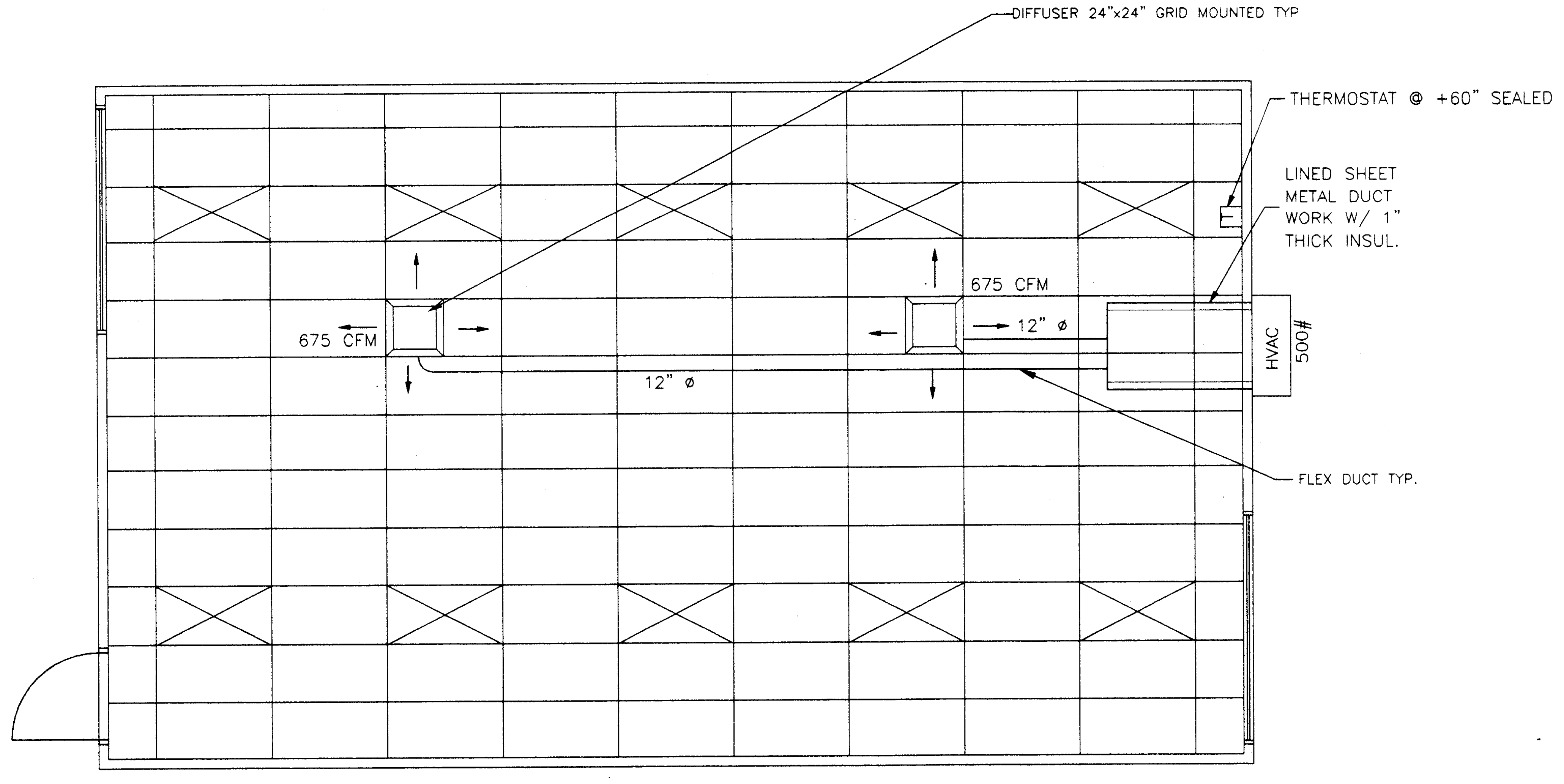
DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

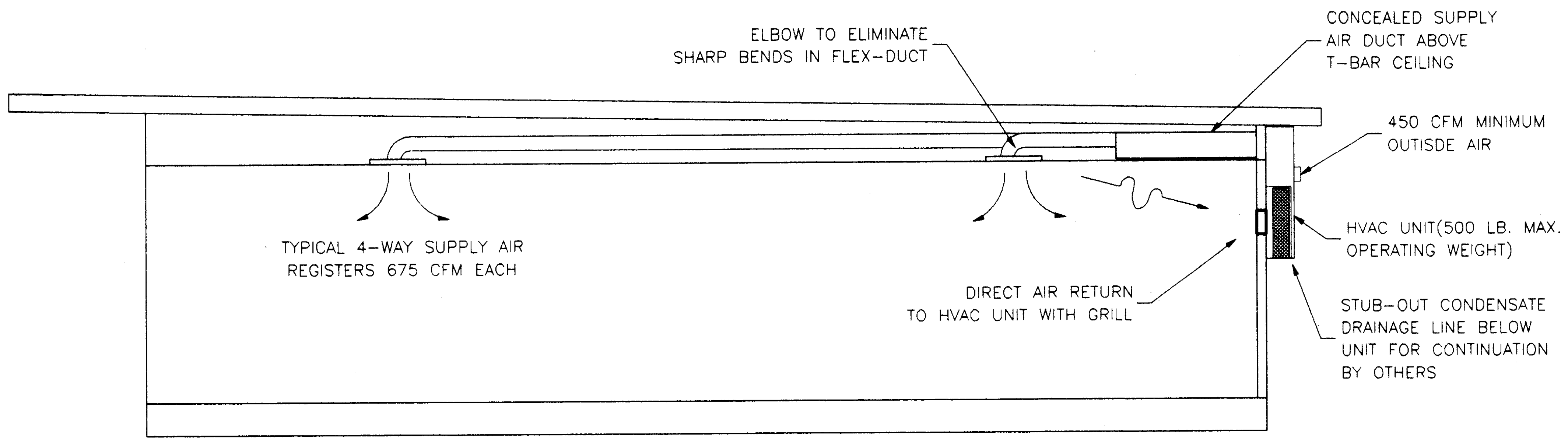
PROJECT No.
99100

SHEET No.
S4


DIFFUSER 24"x24" GRID MOUNTED TYP
THERMOSTAT @ +60" SEALED
LINED SHEET METAL DUCT WORK W/ 1" THICK INSUL.
675 CFM
675 CFM
12" ø
12" ø
HVAC 500#
FLEX DUCT TYP.

HEAT/SUPPLY AIR DUCT LAYOUT

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


ELBOW TO ELIMINATE SHARP BENDS IN FLEX-DUCT
CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING
450 CFM MINIMUM OUTISDE AIR
TYPICAL 4-WAY SUPPLY AIR REGISTERS 675 CFM EACH
DIRECT AIR RETURN TO HVAC UNIT WITH GRILL
HVAC UNIT(500 LB. MAX. OPERATING WEIGHT)
STUB-OUT CONDENSATE DRAINAGE LINE BELOW UNIT FOR CONTINUATION BY OTHERS

HEAT/SUPPLY AIR DUCT CROSS SECTION

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

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
   MARVAIR AVP 42 HPA-08S

   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 C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2-'0" of HVAC unit.

   B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 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.
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 @ +60" SEALED.
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 compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

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

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED SHEET NO.

STEPHEN J. CORBIN
No. C-16788
REN 11/30/01

Stephen J. Corbin, NCARB, AIA **DATE**

LICENSE # C-16788

EXP. DATE 11/30/01

Mk F/L

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101837
AC - FLS RPA SS Ant
DATE JAN 1 2 2000

FILE NO.
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~02~~
~~APPL. 101188~~
~~AC. - FLS. RPA SS Ant~~
~~DATE OCT 20 1999~~

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

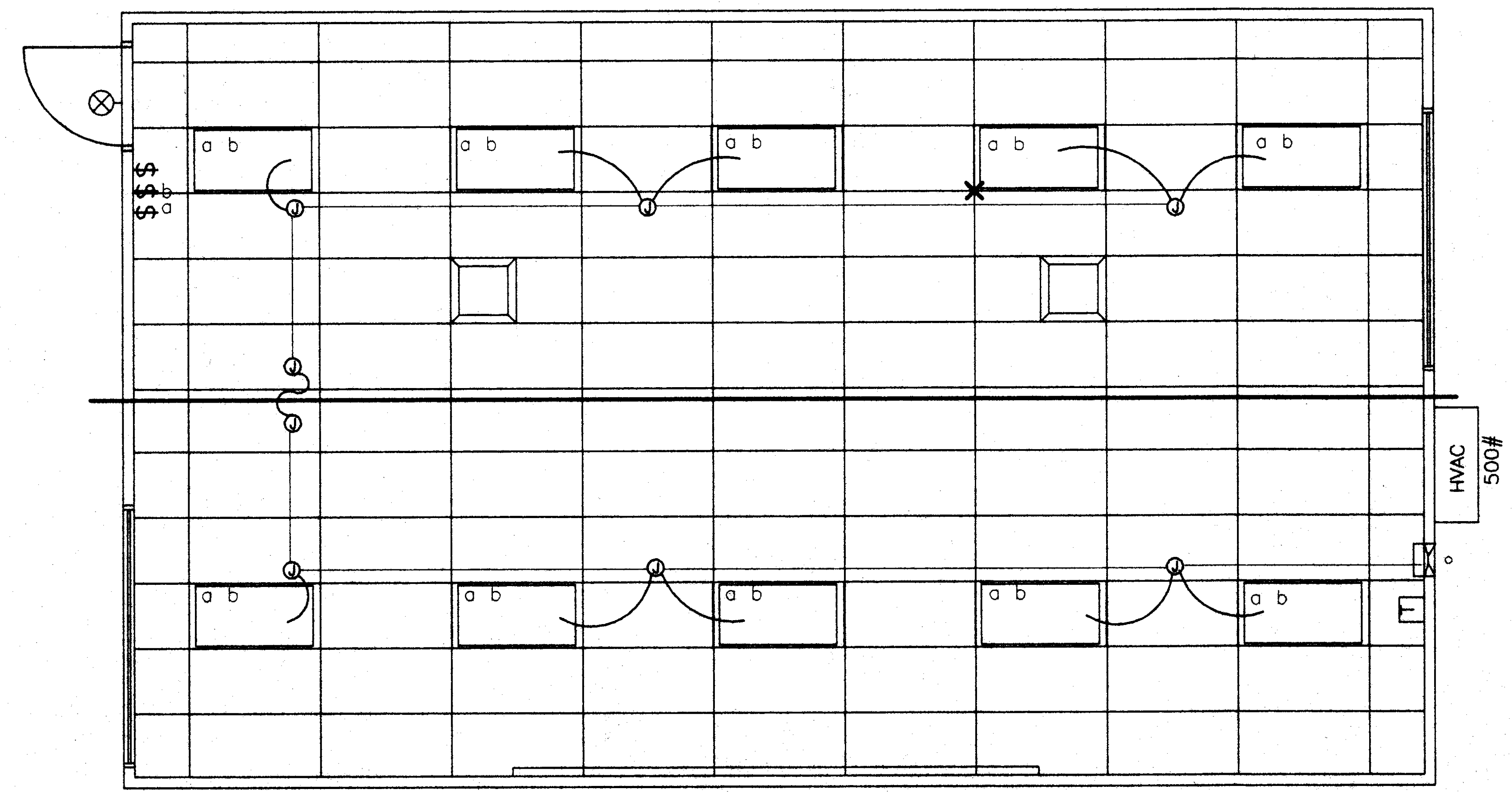
DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

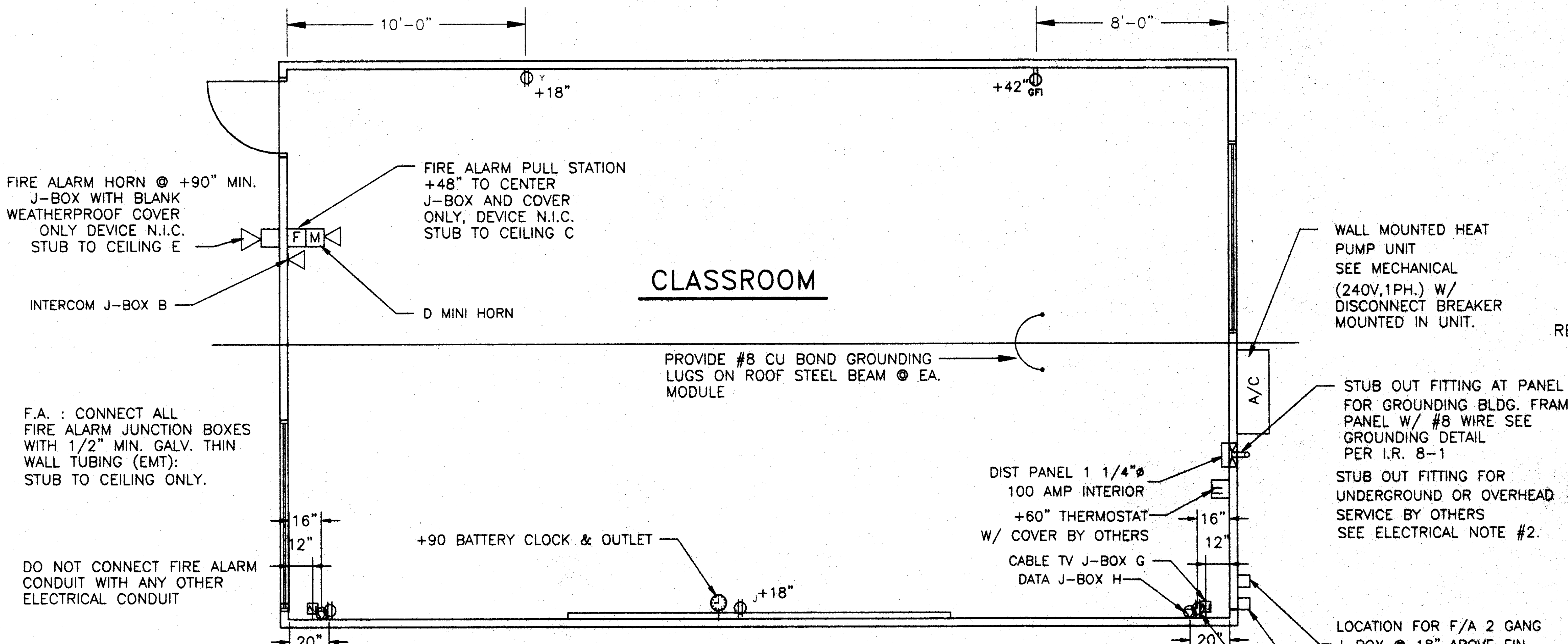
PROJECT No.

SHEET No.
M 1



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

NOTES:
A. FIRE EXTINGUISHER- INSTALL 30" FROM END WAL AT +48" FROM FLOOR.
B. J-BOX ONLY (INTERCOM) - 3/4" CONDUIT STUBBED ABOVE CEILING. INSTALL 30" FROM DOOR AT +48" FROM FLOOR.
C. FIRE ALARM PULL STATION - INSTALL 42" FROM DOOR AT +48" FROM FLOOR.
D. MINI HORN - INSTALL AT +80" FROM FLOOR.
E. EXTERIOR FIRE HORN - INSTALL AT +90" FROM FLOOR.
F. DUPLEX OUTLET AT 18" BELOW CEILING. 12" FROM WALL.
G. J-BOX ONLY (CABLE TV) - 18" BELOW CEILING AND 20 " FROM WALL - 3/4" CONDUIT.
H. J-BOX ONLY (DATA OUTLET) - 16" FROM WALL AND +24' ABOVE FLOOR.
J. ADD ADDITIONAL DUPLEX OUTLET AT +16" FROM FLOOR CENTERED UNDER MARKER BOARDS.
K. J-BOX ONLY (INTERCOM) - INSTALL 4-11/16" BOX, 2 GANG RING WITH 3/4" CONDUIT STUBBED ABOVE CEILING.
L. J-BOX ONLY (FIRE ALARM) - INSTALL 4/5 BOX, 2 GANG RING WITH 3/4" CONDUIT STUBBED ABOVE CEILING.
M. J-BOX ONLY (FIRE ALARM VISUAL DIVICE) - INSTALL AT 24" FROM DOOR AND +80" ABOVE FLOOR TO CENTER OF J-BOX.
N. INSTALL CAST IRON DRAIN AND VENT PIPE WITHIN WALL - SEE ATTACHED DETAIL.
P. EXCHANGE STANDARD OUTLET FOR G.F.I. RECEPTACLE. MOUNT AT 8'-0" FROM END WALL AND _42" TO CENTER OF OUTLET FROM FLOOR.
R. INSTALL STANDARD HVAC UNIT WITHOUT T-STAT. BCSD WILL PROVIDE.
S. PROVIDE EXPANDED METAL SKIRTING VENTS.
T. STANDARDIZE LOCATION OF ELECTRICAL TIE-IN FOR MAIN POWER TO BUILDING. PROVIDE 48" LONG GROUNDING WIRE.
U. PROVIDE EXTERIOR PAINTING FOR WOOD EXTERIOR FINISH AS NOTED. WATER BASED PRIMER WITH LOW SHEEN ENAMEL FINISH.
W. INSTALL STANDARD HOLLOW METAL EXTERIOR DOOR WITHOUT LOCKSET. BCSD WILL PROVIDE.
X. EXCHANGE DOOR CLOSER. USE NORTON 7500 SERIES IN LIEU OF SPECIFIED
Y. ADD ADDITIONAL DUPLEX OUTLET AT 10'-0" FROM END WALL AND +16"


10'-0"
8'-0"
+18"
+42" GFI
FIRE ALARM HORN @ +90" MIN.
J-BOX WITH BLANK
WEATHERPROOF COVER
ONLY DEVICE N.I.C.
STUB TO CEILING E
FIRE ALARM PULL STATION
+48" TO CENTER
J-BOX AND COVER
ONLY, DEVICE N.I.C.
STUB TO CEILING C
F M
INTERCOM J-BOX B
D MINI HORN
CLASSROOM
PROVIDE #8 CU BOND GROUNDING LUGS ON ROOF STEEL BEAM @ EA. MODULE
WALL MOUNTED HEAT PUMP UNIT SEE MECHANICAL (240V,1PH.) W/ DISCONNECT BREAKER MOUNTED IN UNIT.
REAR
A/C
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.
F.A. : CONNECT ALL FIRE ALARM JUNCTION BOXES WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT): STUB TO CEILING ONLY.
DIST PANEL 1 1/4"ø 100 AMP INTERIOR
+60" THERMOSTAT W/ COVER BY OTHERS
CABLE TV J-BOX G
DATA J-BOX H
16"
12"
+90 BATTERY CLOCK & OUTLET
+18"
DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT
20"
LOCATION FOR F/A 2 GANG J-BOX @ 18" ABOVE FIN. FLR.
J-BOX FOR INTERCOM
DUPLEX RECEPT. F

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

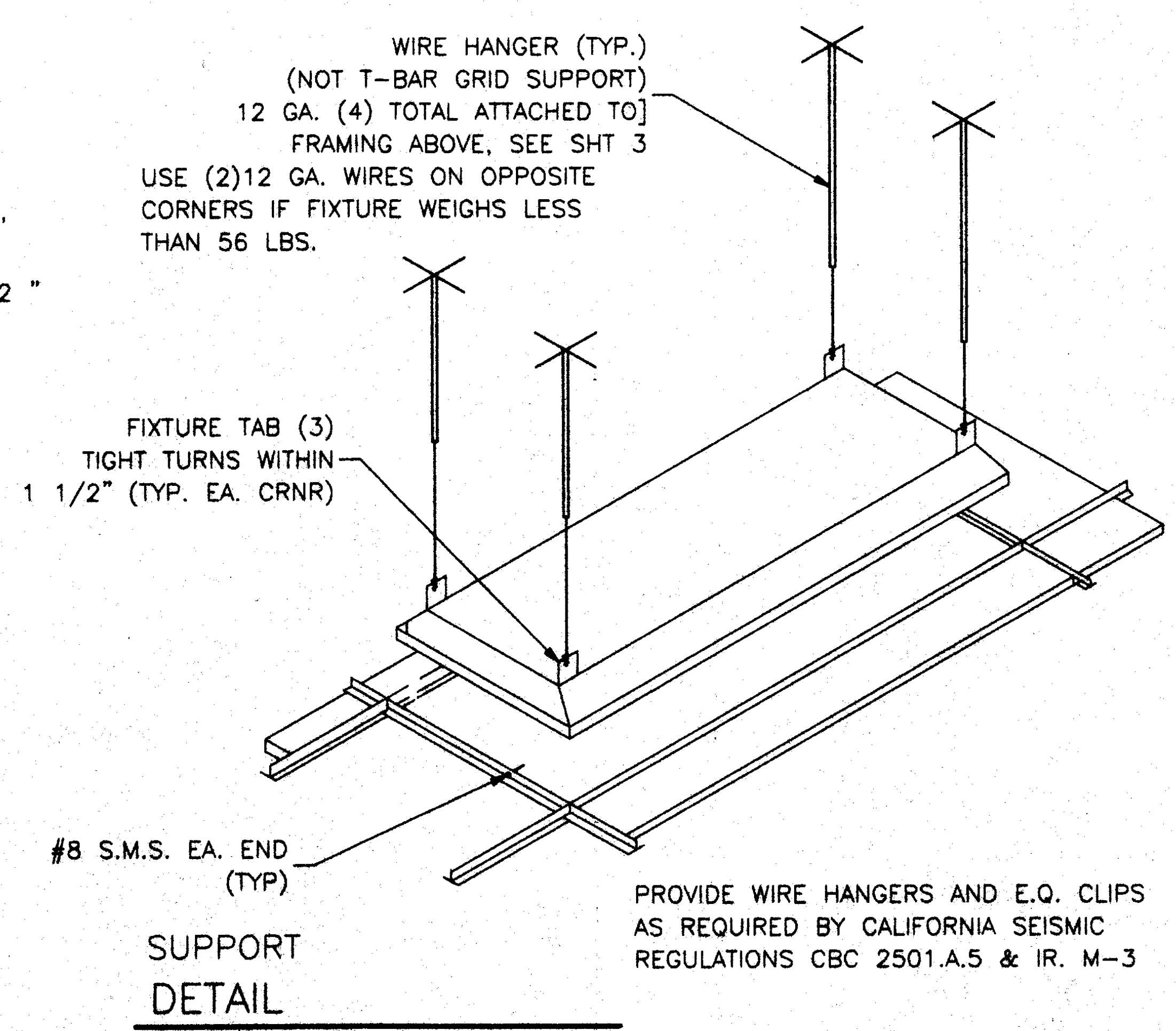
FIRE ALARM
Junction boxes - Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18- above finish floor for future connection.
Covers - Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish 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 anency

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 ofmanufacture. 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.

STANDARD ELECTRICAL SYMBOLS

▭	FLUORESCENT LIGHTING FIXTURE - SURFACE MOUNTED.
☒	FLUORESCENT LIGHTING FIXTURE - RESCESSED.
⊕	FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED (EXTERIOR)
○	INCANDESCENT LIGHTING FIXTURE - WALL MOUNTED (INTERIOR).
⊖	DUPLEX WALL CONVENIENCE OUTLETS +18".
$	SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
☒	LECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1 ",#22 4"X2 "
⊙	WALL CLOCK OUTLET WITH POWER OUTLET +84".
a	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.
NOTE	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, —///—$_{10}$ 3#10, —////—$_{6}$ 4#6 ETC.
Ⓐ	FIXTURE IDENTIFICATION - LETTER INDICATES TYPE.
N.I.E.S.	ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
MT	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.
F	FIRE ALARM STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE
▷☐	FIRE ALARM HORN - OULET 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"
▷M	FIRE ALARM MINI HORN - OULET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.


WIRE HANGER (TYP.)
(NOT T-BAR GRID SUPPORT)
12 GA. (4) TOTAL ATTACHED TO]
FRAMING ABOVE, SEE SHT 3
USE (2)12 GA. WIRES ON OPPOSITE CORNERS IF FIXTURE WEIGHS LESS THAN 56 LBS.
FIXTURE TAB (3)
TIGHT TURNS WITHIN
1 1/2" (TYP. EA. CRNR)
#8 S.M.S. EA. END
(TYP)

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501.A.5 & IR. M-3

SUPPORT DETAIL

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	CRESCENT 24TF440DLA
⊕	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

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 &CA. FIRE CODE ART. 10.
2. 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 ARCHITRCT.
3. 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

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
2. ALLOW FOR 12' MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
3. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
4. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:
1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. 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.

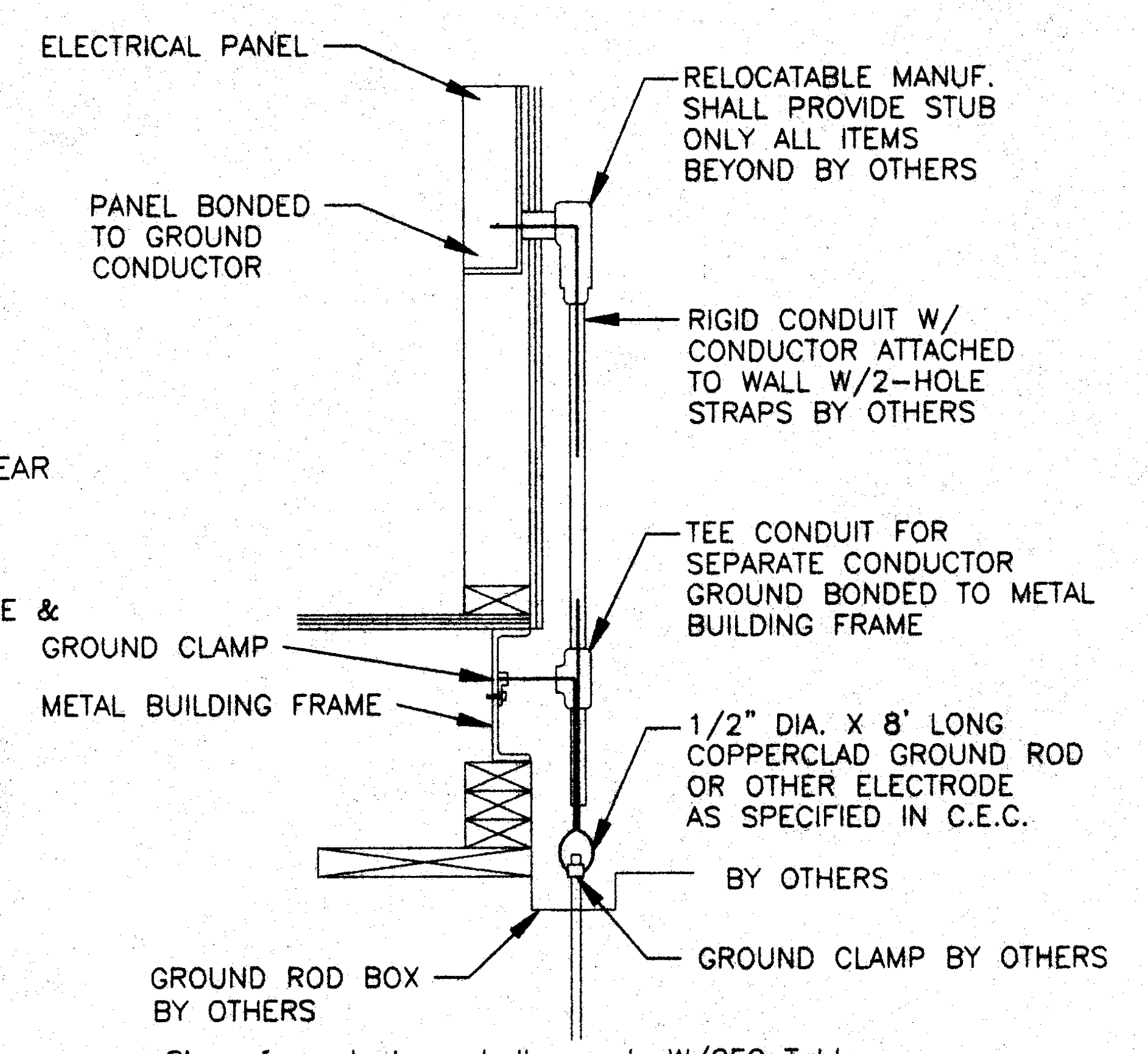
ELECTRICAL
1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside 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.
4. 2x4 Flourescent 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.
5. 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.

No. C-16788
REN. 11/30/01

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSINOALS WHO ARE LICENSED AND AUTHORIZED TO PREPARED SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME AND HAVE BEEN FOUND TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
THE ITEMS LISTED BELOW ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELIGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).
A LIST OF ITEMS HAVE BEEN REVIEWED AND ACCEPTED. (FOR DRAWINGS, A LIST OF ALL ACCEPTED DRAWINGS ARE ATTACHED, SEE SHEET NO.).

Stephen J. Corbin, AIA DATE 8/23/00
LICENSE # C-16788
EXP. DATE 11/30/01


ELECTRICAL PANEL
PANEL BONDED TO GROUND CONDUCTOR
RELOCATABLE MANUF. SHALL PROVIDE STUB ONLY ALL ITEMS BEYOND BY OTHERS
RIGID CONDUIT W/ CONDUCTOR ATTACHED TO WALL W/2-HOLE STRAPS BY OTHERS
REAR
TEE CONDUIT FOR SEPARATE CONDUCTOR GROUND BONDED TO METAL BUILDING FRAME
GROUND CLAMP
METAL BUILDING FRAME
1/2" DIA. X 8' LONG COPPERCLAD GROUND ROD OR OTHER ELECTRODE AS SPECIFIED IN C.E.C.
BY OTHERS
GROUND CLAMP BY OTHERS
GROUND ROD BOX BY OTHERS

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 @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I-R M-3
INSPECTOR TO WITTNESS GROUNDING TEST.

A BUILDING GROUND DETAIL
E1 N.T.S.

VOLTS: 120/240 SINGLE PHASE					PANEL: A					FEED: EXTERIOR LB			
MAIN: 100 AMP MAIN BKR.					LOCATION: INTERIOR					MOUNTING: FLUSH			
LOAD	WATTS		BRK.		CIR	A	B	CIR	BRK.		WATTS		LOAD
	A	B	AMP	P					P	AMP	A	B	
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				100AMP 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"

FILE NO. 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 03-104224
AC FLS SS X
DATE MAR 0 1 2001

24 X 40
RELOCATABLE
CLASSROOMS

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

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT

ELECTRICAL PLAN & NOTES

DATE: 06-08-00
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
E 1