



American Modular Systems

24 X 40 RELOCATABLE CLASSROOMS WILLIAMS-SCOTSMAN

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____

NAME: _____

DISTRICT/OWNER: _____

DIVISION-FILE NO. _____ APPLICATION NO. _____

ARCHITECT: _____

STRUCTURAL ENGINEER: _____

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

STRUCTURAL
TESTS
AND
INSPECTIONS

ORS 103-1 (R 11/85)

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

| COMPACTED FILL | CON- CRETE | GUNITE | GROUT/MORTAR | |
|--|---------------|--------|--|--|
| Fill material, acceptance tests | | | | Test of aggregates for mix design only |
| Compaction control, continuous | | | | Subsidence tests of aggregates as detailed below |
| Compaction tests only on extended | | | | Mix design |
| Bearing capacity of compacted fill | | | | Continuing bottom plate inspection |
| REINFORCING STEEL | | | | Inspect splicing |
| Sample and test bar steel | | | | Sample |
| Sample and test mesh | | | | Compressive tests |
| Inspect splicing at job | | | | Pick up samples at job |
| STRUCTURAL STEEL | | | | Sample delivered to laboratory |
| Sample and test as detailed below | | | | Deliver sample forms to jobsite |
| Shop fabrication inspection | | | | Sample and test cement |
| Field erection inspection | | | | |
| Inspection of welds - Shop | | | | |
| Inspection of welds - Field | | | | |
| Inspection of riveting or bolting - Shop | | | | |
| Inspection of riveting or bolting - Field | | | | |
| Sample and test high strength bolts and washers | | | | |
| BRICK AND BLOCK | | | | |
| Sample and test | | | | |
| Test only | | | | |
| Inspection of masonry | | | | |
| Core drill samples | | | | |
| GLUED LAMINATED STRUCTURAL LUMBER | | | | |
| Fabrication inspection | | | | |
| Sample and test steel accessories | | | | |
| Inspect fabrication of steel accessories | | | | |
| List of structural steel members to be tested: | | | | |
| 3 1/2" x 3 1/2" x 1/4" SQ. COL. TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1 | | | | |
| 6 3/4"x14 GA. JOISTS 6" x 14 ga. ROOF JOIST 3 1/2" x 10 ga. ALT. JOIST | | | | |
| 6 3/8" x 12 ga. ALT. JOIST 4" x 12ga. ROOF JOIST-ALT. 2"x16 ga. STRAPS | | | | |
| Other Tests and Inspections, together with special instructions: | | | | |
| GROUNDING TEST EXPANSION ANCHORS EPOXY 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 |
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| S5R | RAMP PLAN, ELEVATION & DETAILS |
| M1 | MECHANICAL PLAN, DETAILS & NOTES |
| E1 | ELECTRICAL PLAN, DETAILS & NOTES |

BUILDING DATA CLASSROOMS

| | |
|---|--------------------------|
| OCCUPANCY | E-2 |
| TYPE OF CONSTRUCTION | V - NON-RATED |
| WIND LOAD (80 MPH EXPOSURE C) | 21 LBS/SQ FT |
| FLOOR LIVE LOAD | 50 LBS/SQ FT |
| ROOF LIVE LOAD | 20 LBS/SQ FT (REDUCIBLE) |
| RAMP LIVE LOAD | 100 LBS/SQ FT |
| BUILDING AREA | 960 SQ FT |
| FIRE MARSHAL- CALIFORNIA BUILDING CODE (CBC) | |
| TITLE 24, PART 2, CCR (1997 UBC W/ CAL. AMENDS) | |
| TITLE 24, PART 3, CCR (1996 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 |

BASED ON PC# 02-101837

50 UNITS
SERIAL NO'S 01-560-001
THRU 01-560-050

EXTENDED TO
01-560-054 TO 01-560-059

FILE NO. 39-0

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

02-103457

AC. # = FLS 211 SSZ

DATE 7/5/2001



American Modular Systems

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



JOB NO.

DATE: MAY 25, 2001

SHEET NUMBER

TS-1

BINDING ORDER 1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

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

FOUNDATION

- ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF
 - FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.
- NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-COMMERCIAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

WORK NOT INCLUDED

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

| TRIM/ FINISH NAILING | | | |
|--|-----|------|----------------|
| DESCRIPTION | SET | SIZE | LENGTH/ FINISH |
| SIDING | | 131 | 3" 1/4" GALV |
| CASING, SILL & INT. CORNER TRIM | X | 160 | 1/4" N |
| 2X FASCIA | | 131 | 3" GALV |
| SOFFIT | | 131 | 2" 1/4" GALV |
| 1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM | | 113 | 2" GALV |

SECTION 5 STEEL

- GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
- WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS 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 2231A.5 WELDING ELECTRODE SHALL BE E70XX.
 - STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
 - PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
 - STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
 - STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
- ERECTOR - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
- NAILS, BOLTS, SCREWS AND NUTS ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 - BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARBIDE BOLTS THROUGH STEEL TO BE DRILLED, OR 1/8" OR 1/4" 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 MIT28B.
- HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
- SHOP PAINT
 - EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
 - ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. PRIME ALL EXPOSED STEEL SURFACES AFTER FIELD WELDING.
- TESTS
 - PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER 1-24 PART 2, CCR SECTION 2231A.1.

SECTION 6A CARPENTRY

- SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
- MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17 OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. - PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS-1-35 FOR SOFTWOOD PLYWOOD OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CBC. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
- JOISTS, PLATES, STUDS - DOUGLAS FIR OR HEM FIR #4S #2 U.N.O. NOTE: MSR 1650 E.T.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
- HEADERS, POSTS AND TIMBERS - DOUGLAS FIR #4S #1
- BLOCKING - DOUG FIR #3 OR HEM FIR #2 OR STD. & BET.
- SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2. PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP, LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
- PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UN-FLOOR BY PITTSBURGH TESTING LAB. 1-1/8" NOM. TONGUE AND GROOVE FLOOR SHEATHING WITH EXTERIOR GLUE, EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR.
- MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 14-1 FOR KRAFT, 15-1 FOR FELT.
- STUDS - DOUG FIR #2 OR HEM FIR #2 MOISTURE CONTENT NOT OVER 19%.
- FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2318A.3.4. COMMON NAILS - PER EXT. SIDING AND Fdn. Only.
- BUILDING TRIM - 2X REBARN SELECT D.F., H.F. OR CEDAR.
- DOOR/WINDOW TRIM - 1X4 REBARN D.F., H.F. OR CEDAR.
- FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
- ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
- FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
- WORKMANSHIP
 - FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
 - NAILING - IN ACCORDANCE WITH TITLE 24, PART 2, CALIFORNIA BUILDING CODE, TABLE 23A-11-B-1.
 - EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
 - MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
 - MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
 - TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

- SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
- MATERIALS
 - SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - SOLDER - OF STAND. GRADE "A" OF EQUAL PARTS ARD BRAND LEAD AND TIN ASTM B32.
 - FLUX - ZINC SATURATED MURIATIC ACID.
 - GUTTERS: 26 GA. G-90 GALV. STEEL. DOWNSPOUTS: 2" X 3" CONVOLUTION 30 GA. G-90 GALV. STEEL. GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL. GUTTER CLIPS: 18 GA. G-90 GALV. STEEL.
- WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOR COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

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

SECTION 7J SEALANT

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

SECTION CONCRETE

CONCRETE (IF USED)

- CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
- REINFORCING BARS - ASTM A615 OR ASTM 406 DEFORMED GRADE 40 BILLET STEEL.
- EXPANSION JOINT FILLER - ASTM D994
- FORM MATERIALS: SIDE FORMS, DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER, OR METAL FORMS.
- PLACING REINFORCEMENT, PLACING CONCRETE SURFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24, PART 2.
- EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
- INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
- INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
- METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKOY FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
- RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-816-98A DATED JULY 1989. OR EQUAL.
- SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

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

SECTION 8D FINISH HARDWARE

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

SECTION 9E PAINTING

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

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

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

| | | | | |
|------------|---------|----------|----------|----------|
| REF. BRAND | DUNN | KELLY | SHERWIN | SINCLAIR |
| PRIMER | EDWARDS | MOORE | WILLIAMS | |
| | 43-4 | 1710 | B50N26 | 15N |
| FINISH | 10-XX | 1700-XXX | B54W2102 | GE2-NXX |
- WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
- EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
- INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
- INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
- METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKOY FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
- RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-816-98A DATED JULY 1989. OR EQUAL.
- SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

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

NOTE:

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

SECTION 15A AIR CONDITIONING

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

SECTION 16A ELECTRICAL

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

INSPECTION

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

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

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDINGS 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 ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

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

MATERIALS AND WORKMANSHIP

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

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

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THE 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 QUALITY 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 CLASSROOM 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 "X1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

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

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

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

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

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

DIMENSIONS

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

FASCIA AND REQUIRED OVERHANDS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 3' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH CUTTERS 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" MIN. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

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

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

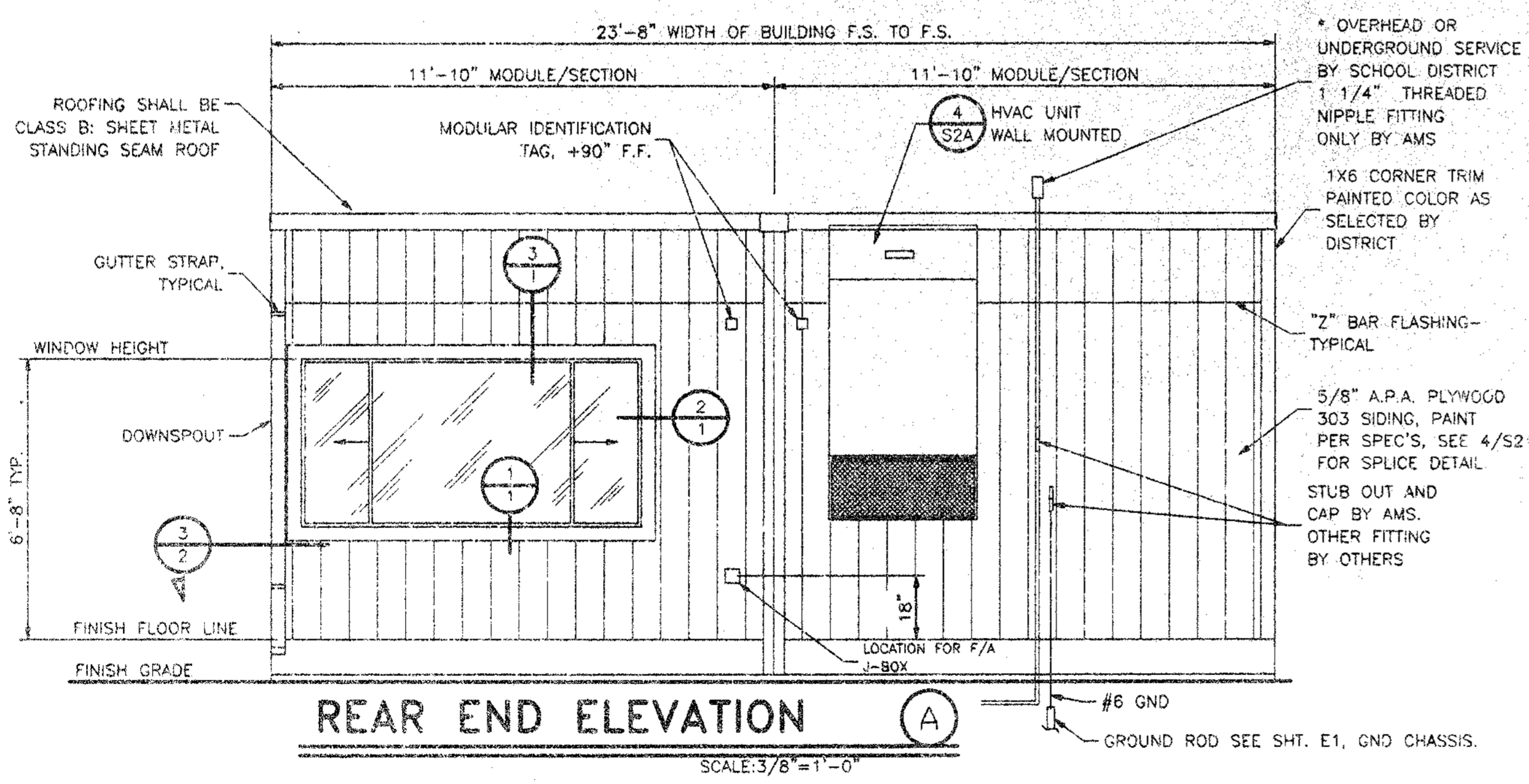
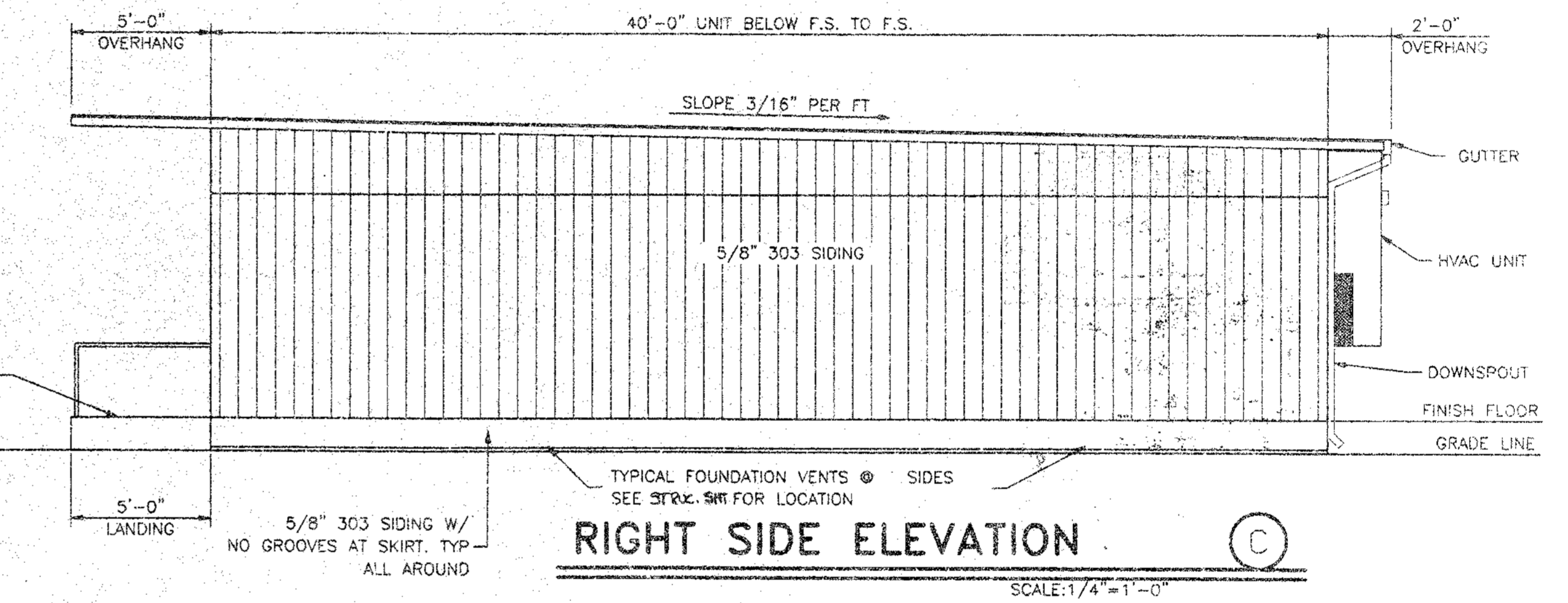
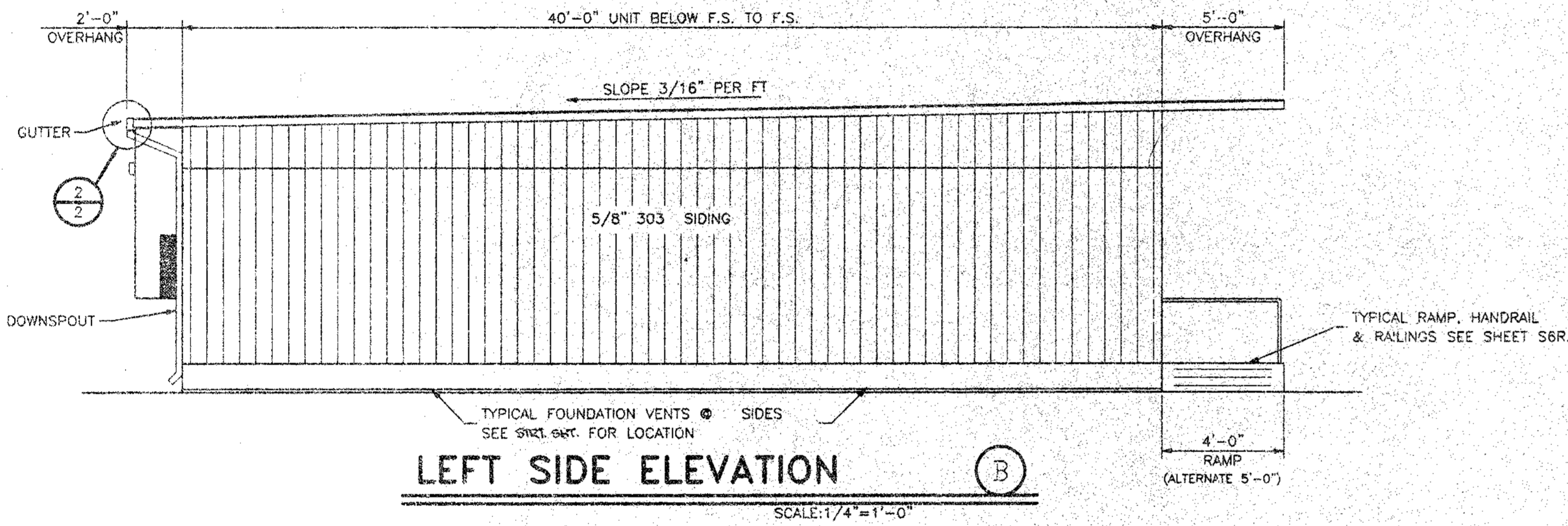
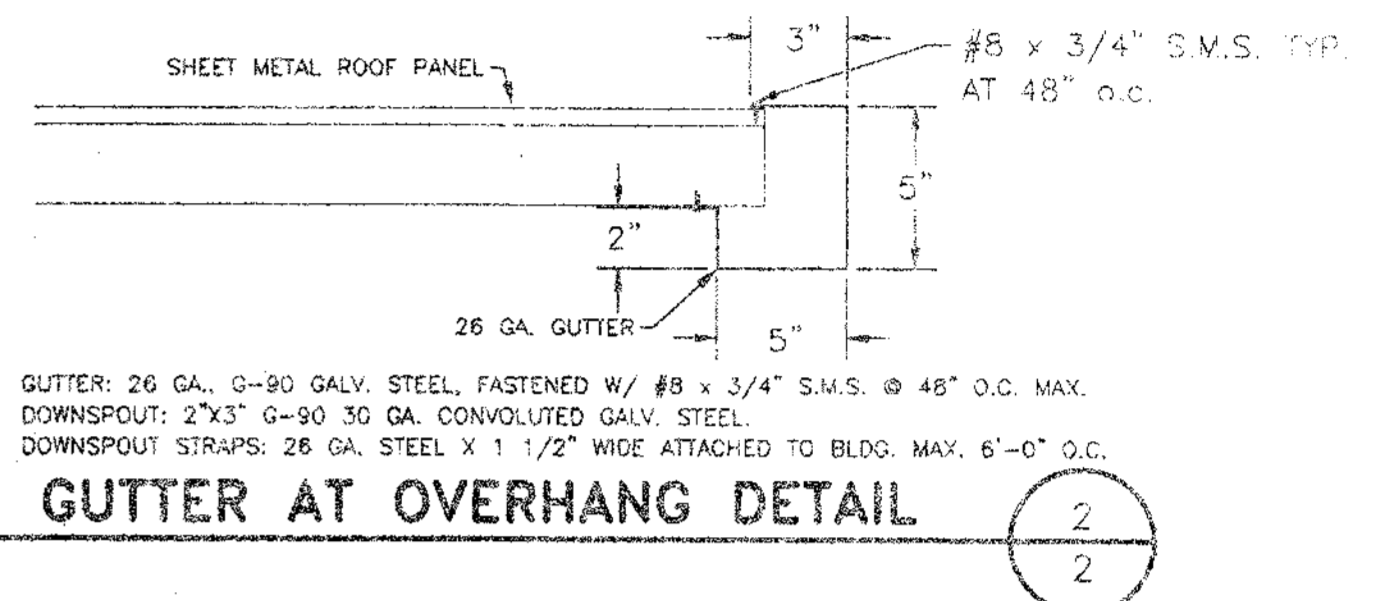
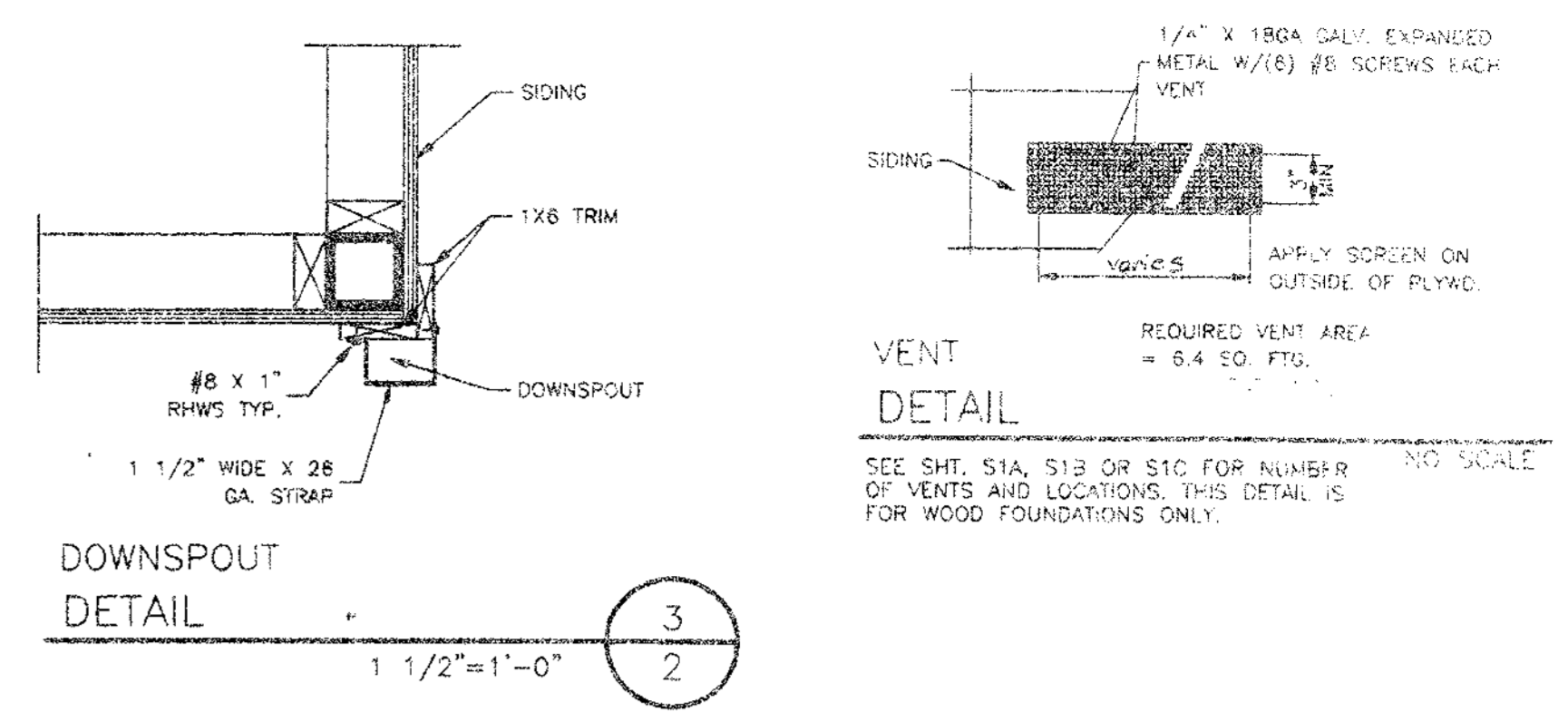
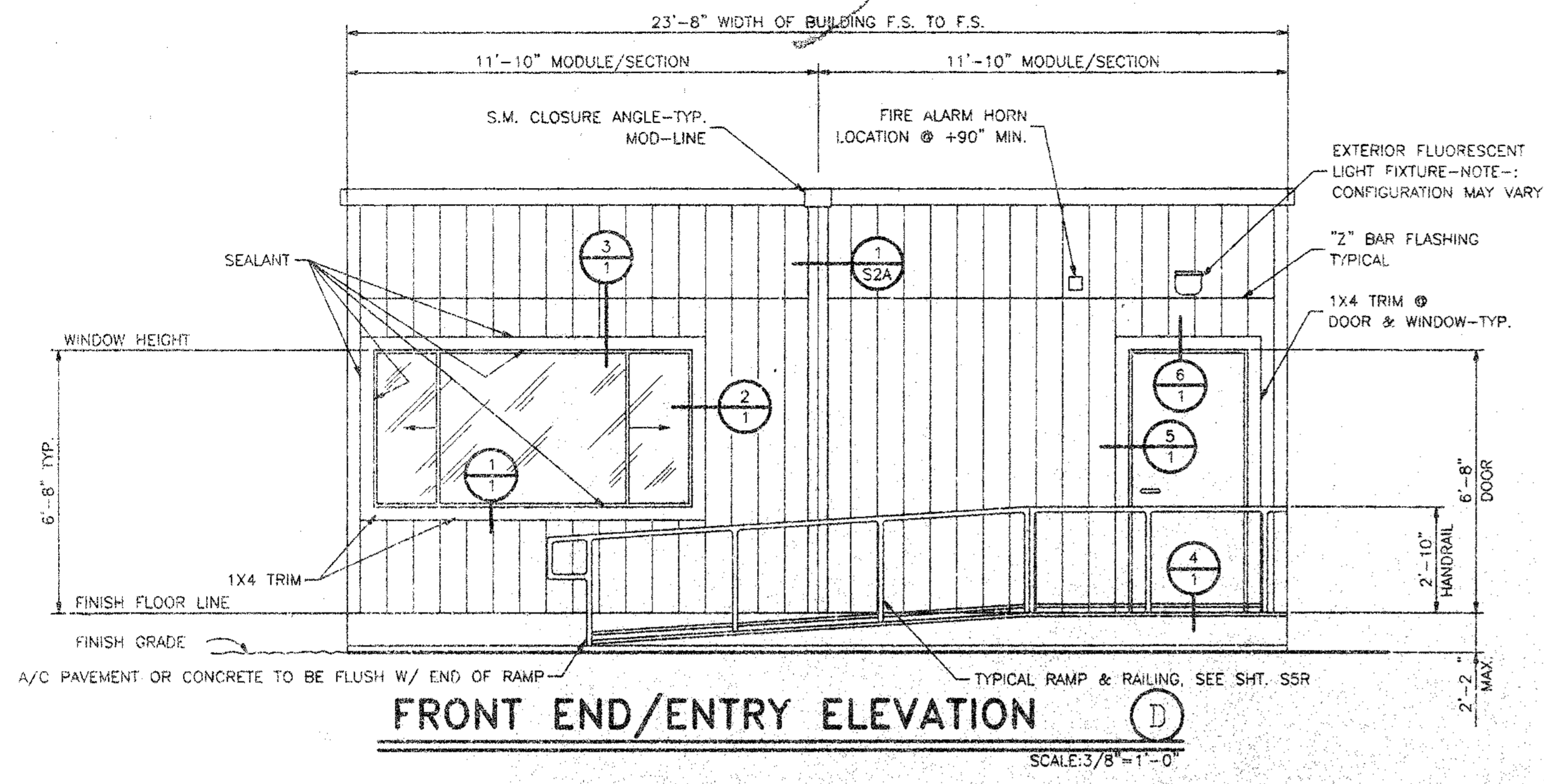


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| IDENTIFICATION STAMP BY THE ARCHITECT OFFICE OF REGULATION SERVICES 02 108457 AC PLG W/SSC DATE 7/12/99 | DATE OF TEST OFFICE OF REGULATION SERVICES 02 101887 AC PLG W/SSC DATE JAN 12 2000 AC PLG W/SSC DATE 9-10-00 JH | REGISTRATION STAMP BY THE ARCHITECT OFFICE OF REGULATION SERVICES 02 101887 AC PLG W/SSC DATE JAN 12 2000 | DATE OCT 19 1999 |
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24 X 40
RELOCATABLE
CLASSROOMS



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



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101837
AC 108457
DATE 7/5/2001

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Exp. 3/31/02
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APP. Q210486
AC 108457
DATE OCT 19 1999

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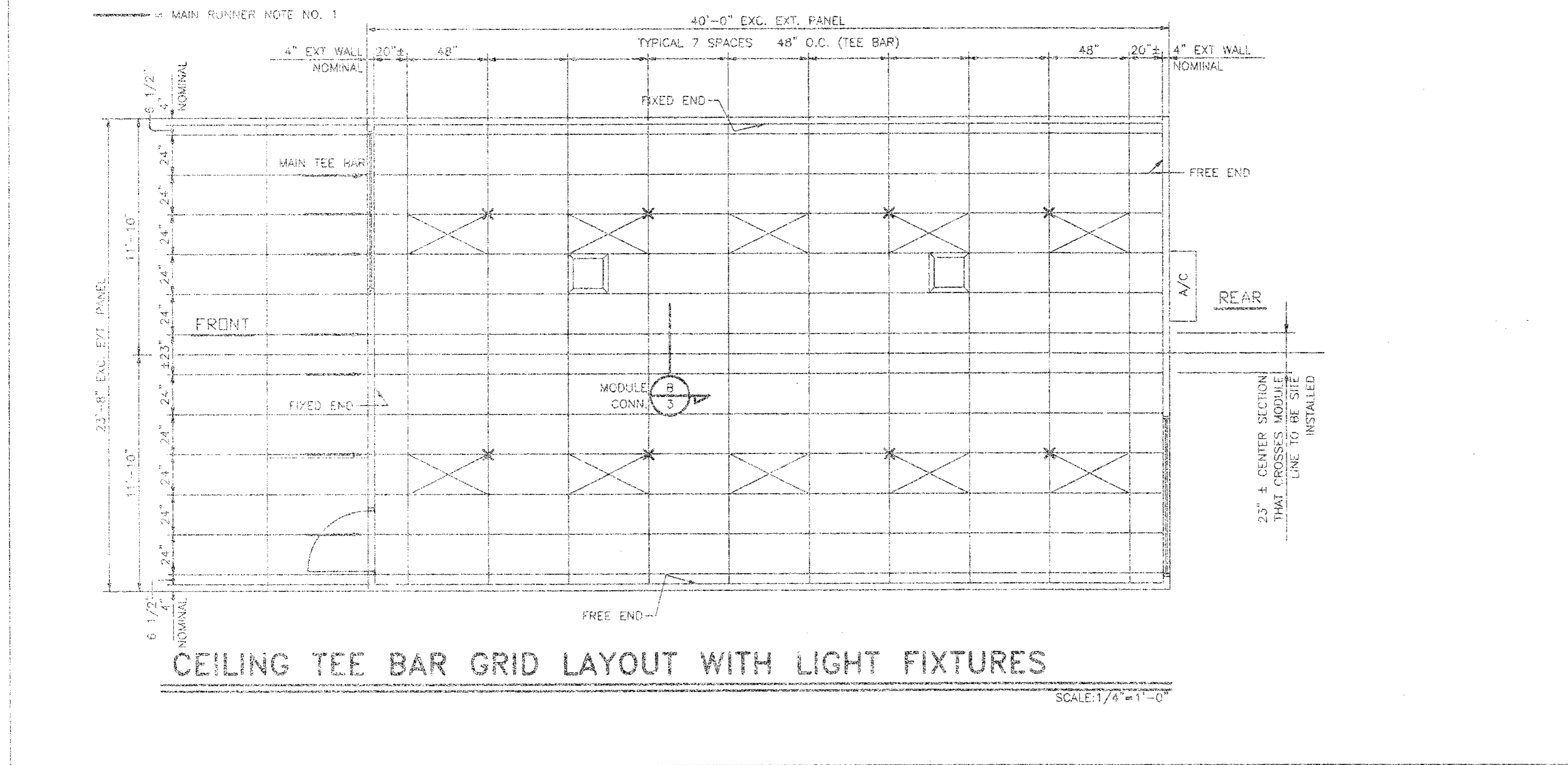
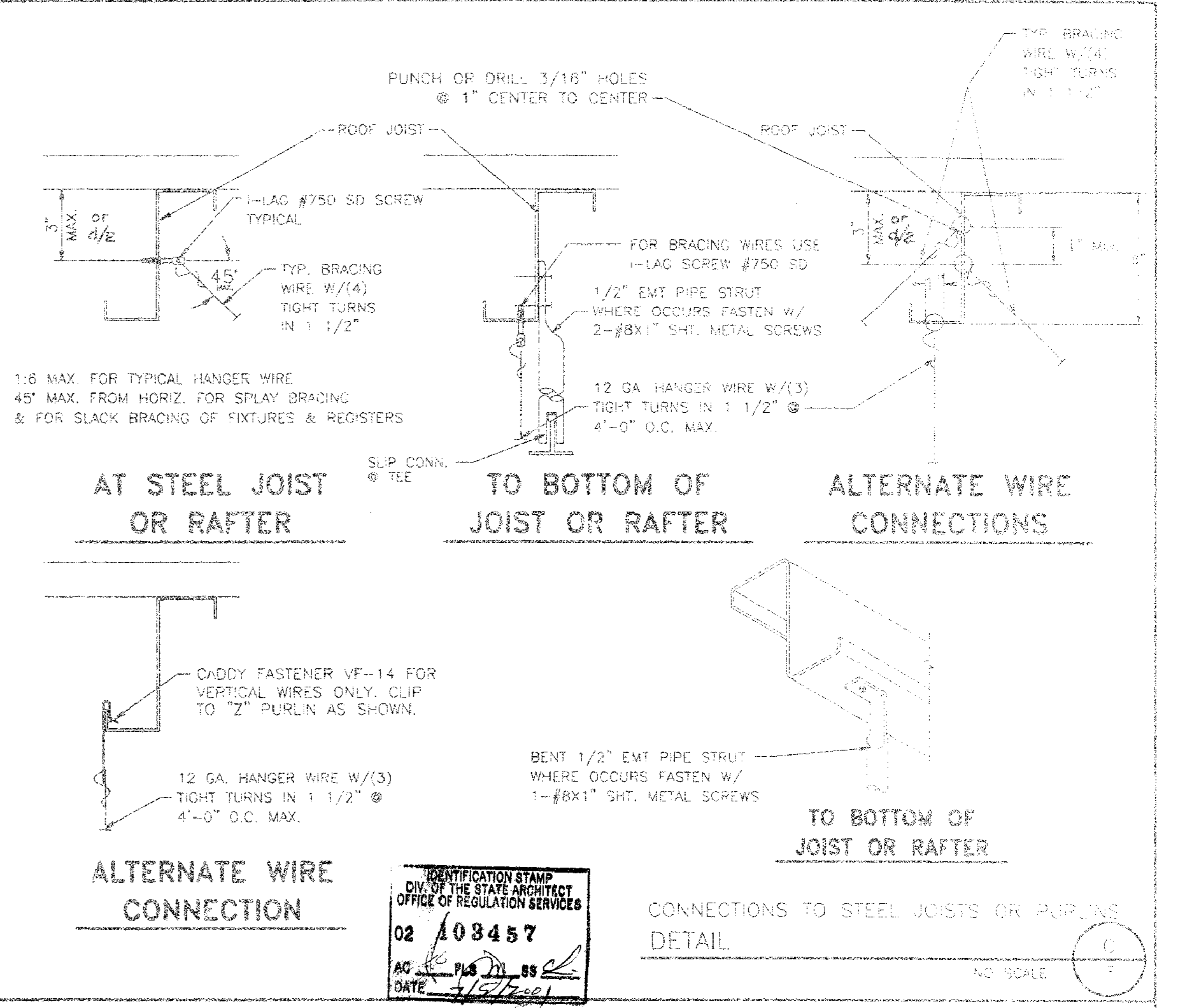
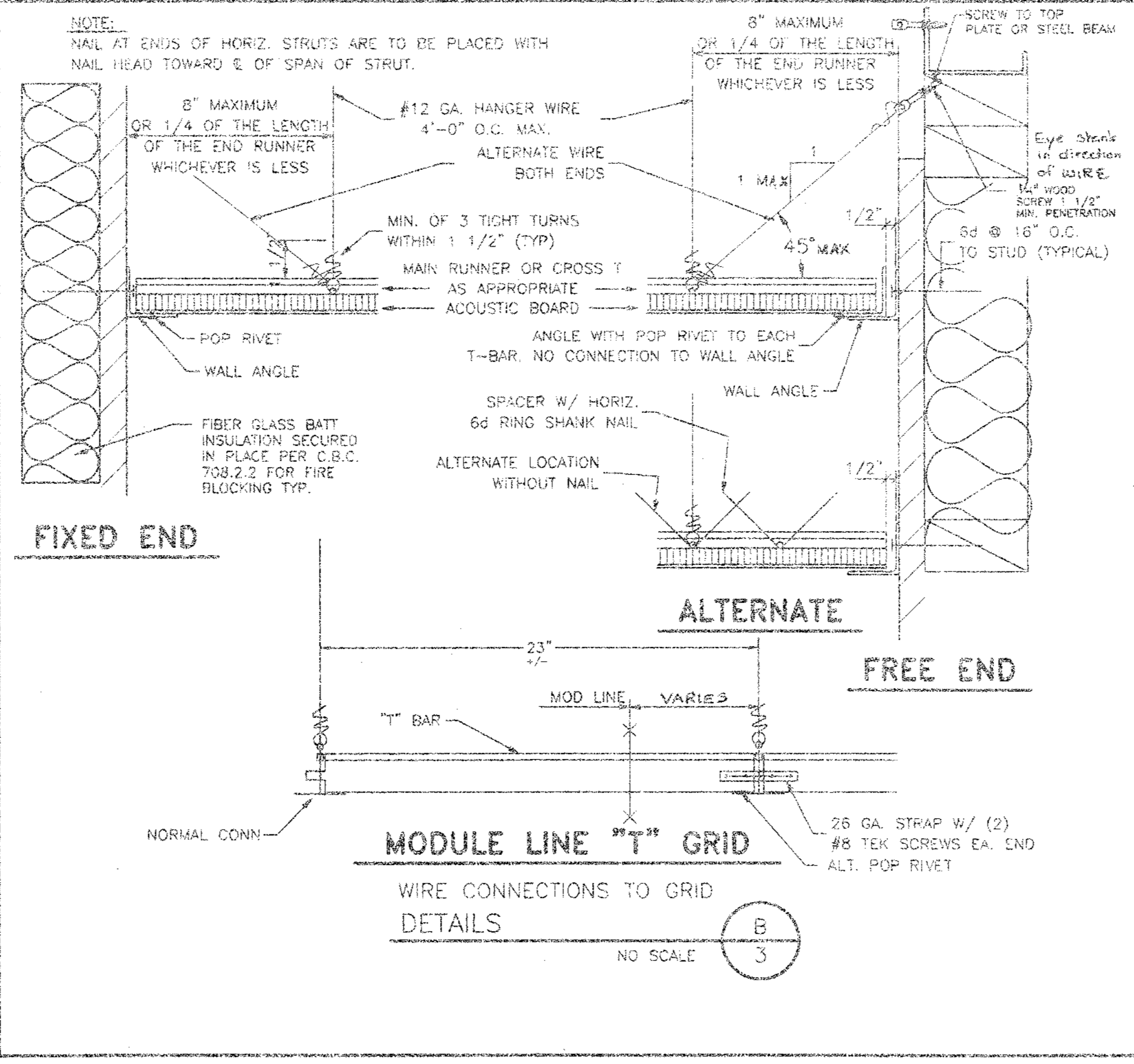
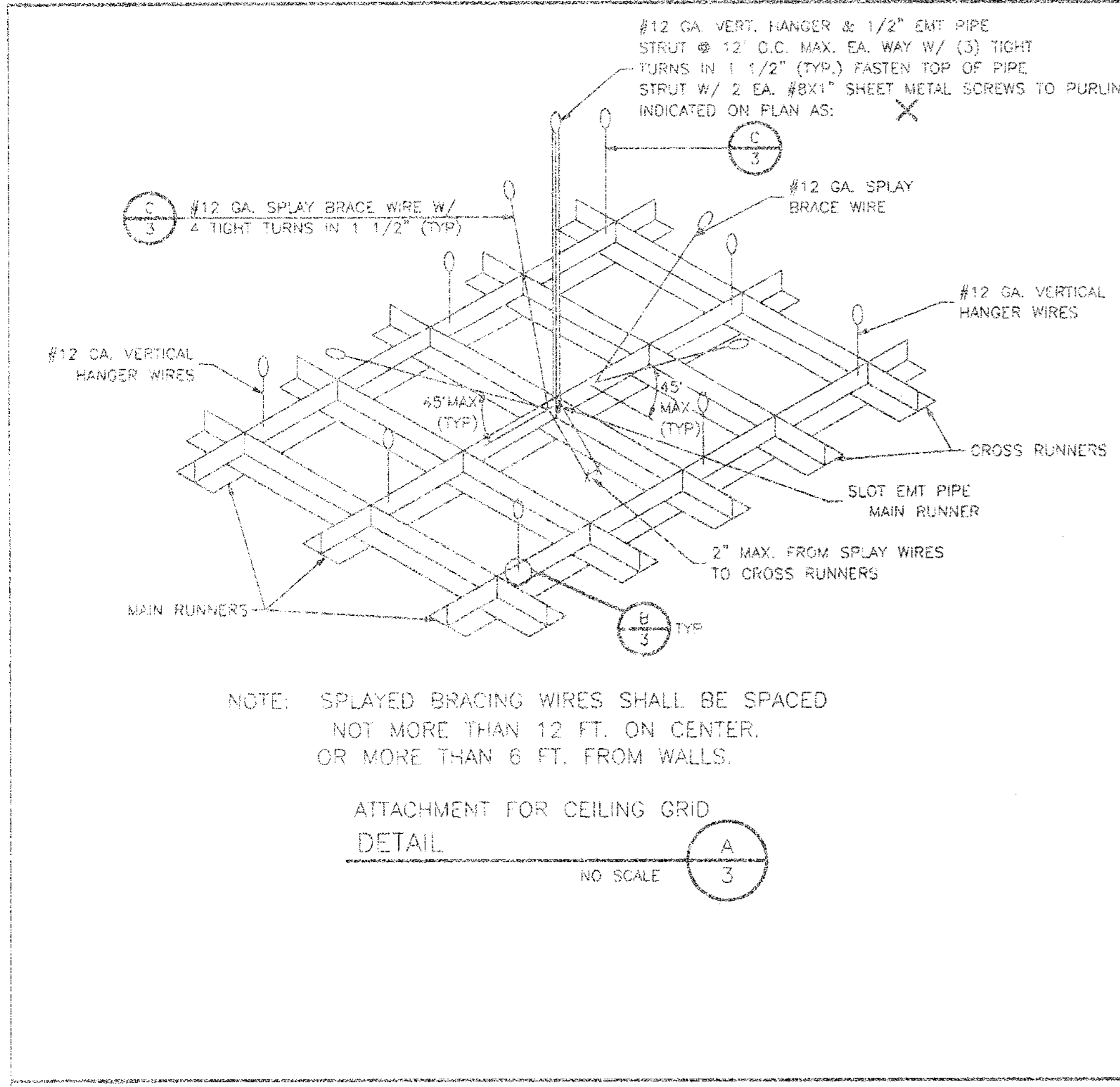
American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX (209) 825-7018

CUSTOMER: _____
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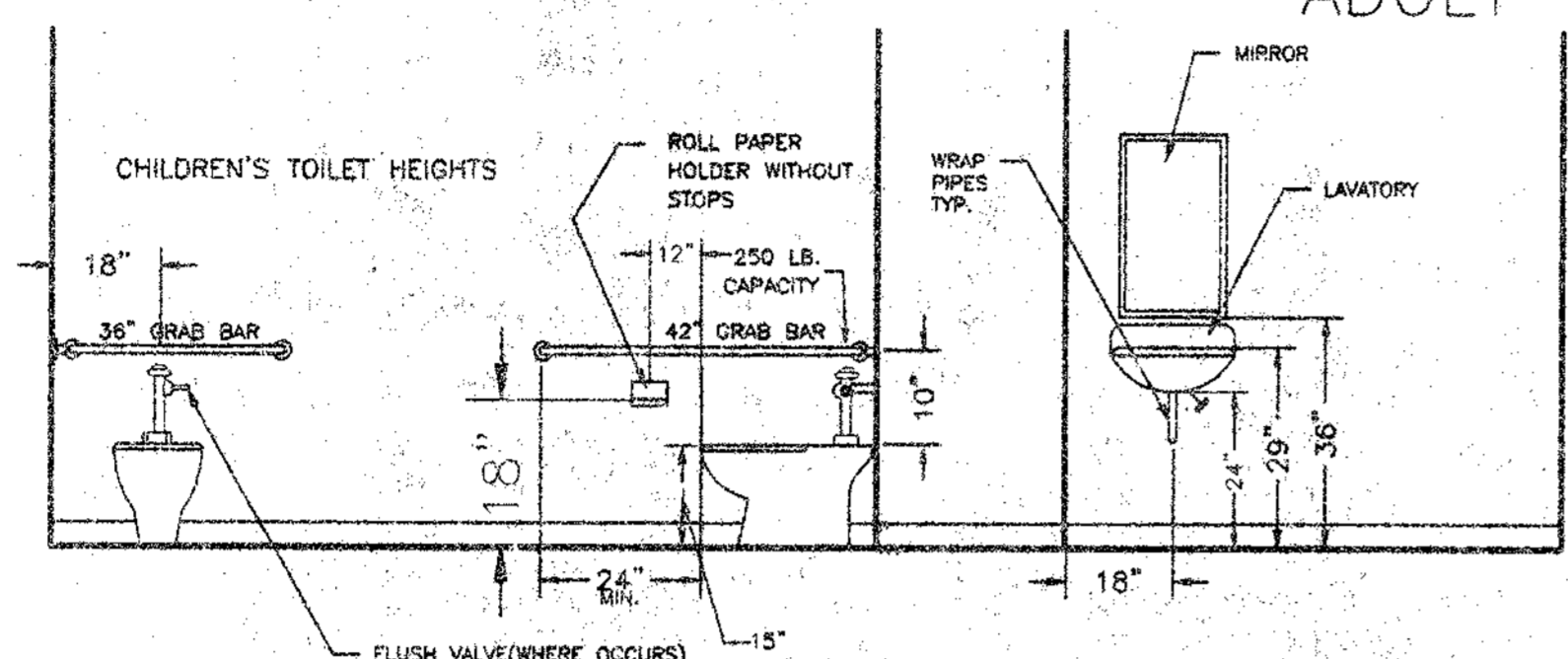
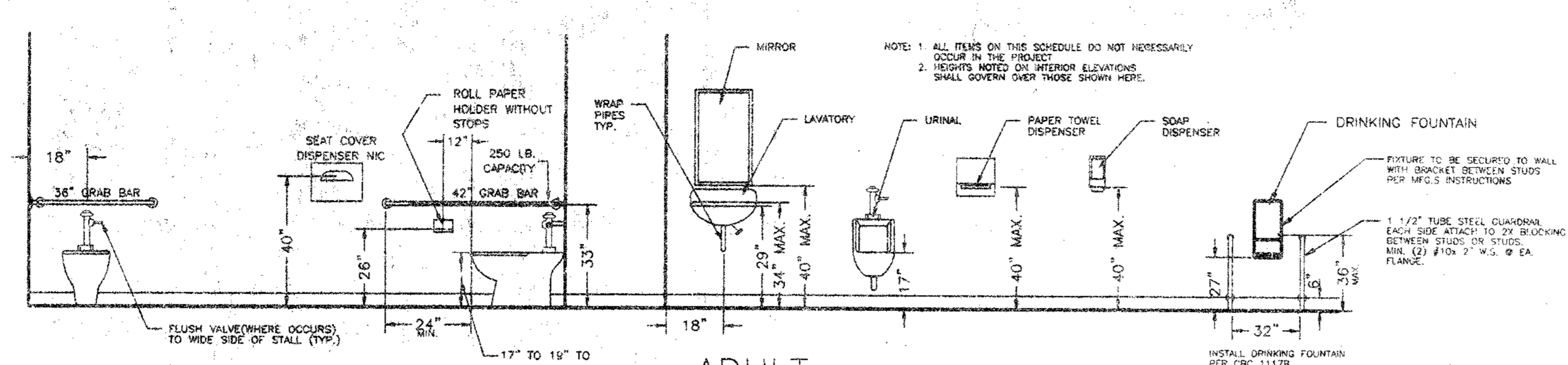
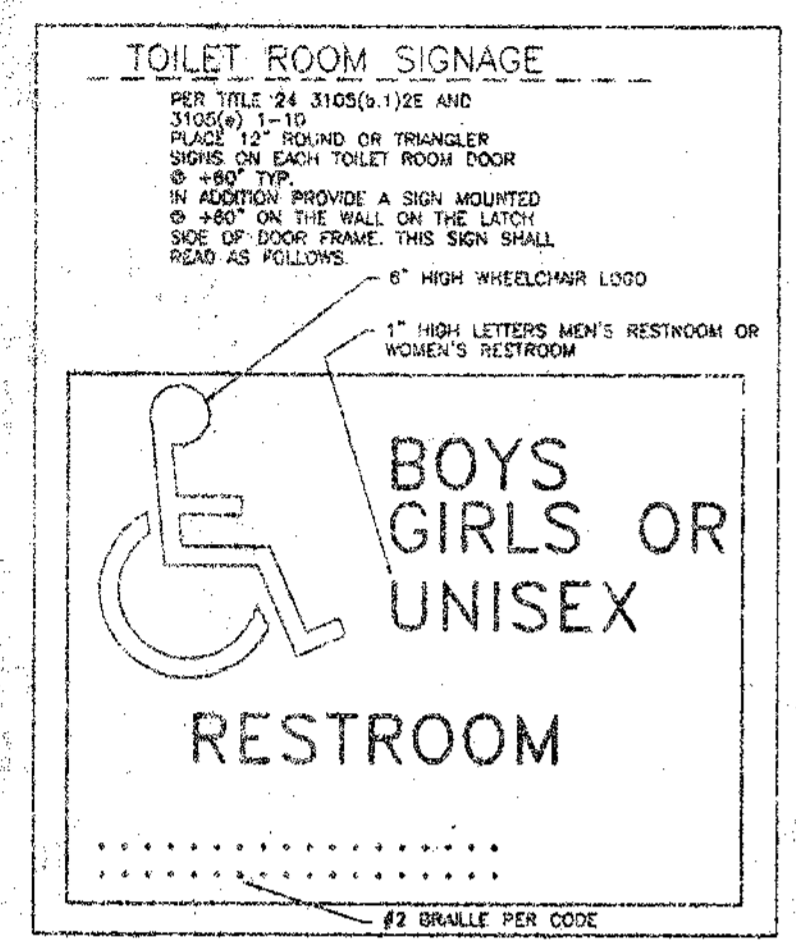
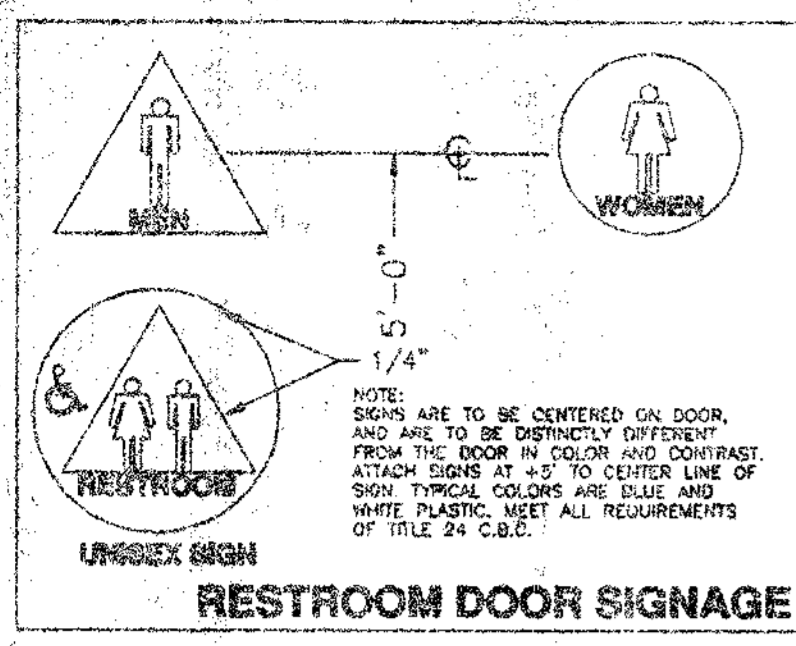
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PROJECT NO. _____
SHEET NO. **2**



- METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING**
- 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.
 - 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.
 - 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.
 - CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. If walls run diagonally to ceiling grid system runners, one end of main and cross runners should be free and a minimum of 1/2 inch clear of wall.
 - 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.
 - 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
 - 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.
 - 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.
 - ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
 - FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OF 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.
 - 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 OR DETAIL FOR RUNNER SPLICE, N/A. ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK MINERAL FIBERGLASS 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.
- 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.
- | MANUFACTURER | MAIN TEE | CROSS TEE | 15/16" X 2" CROSS TEE |
|--------------|----------|-----------|-----------------------|
| ALUMINUM | BY-28 | 37-42-24 | 37-21-9 |
| ALUMINUM | 7301 | 7341 | 7323 |
| CHICAGO MET. | 209-01 | 1204-01 | 1228-01 |
- NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER



THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION.

ACCESSIBLE SANITARY FACILITIES DETAIL

NO SCALE

PANEL INSTALLATION

START AT THE STARTER FLASHING END OF THE BUILDING. APPLY VULCANIZING SEALANT ALONG THE ENTIRE STARTER FLASHING UP. AT THE END END APPLY SEALANT APPROXIMATELY 2" ALONG THE SIDE OF THE REMAINING SEAL AND NO END FLASHING UP. THE SEALANT SHOULD BE APPLIED AS THE ROOF PANELS ARE POSITIONED TO AVOID GAPS.

HOOK THE PANEL OVER THE STARTER FLASHING AND LAY IT INTO FOOTING. LAMINATE 2" OVERLAP AT THE END FOR WEATHERING AROUND THE END FLASHING UP. INSTALL 2-CLIPS 1" x 1/2" GALV. STEEL WITH 1/2" HOLE SPACING THE VERTICAL SEAL. SECURE WITH THREE 1/2" CROWN X 1 1/4" LENGTH 100 GA. STAPLES PER CLIP. THE CLIPS MUST BE PLACED OVER THE FLASHING UP AND AT THE END FLASHING. MECHANICALLY CLIP THE PANEL OVER THE FLASHING UP AND ALONG THE ENTIRE REMAINING SEAL.

NOTE: KEEP ALL FASTENERS ON THE CLIPS AND FLASHINGS COMPLETELY DO NOT EXCEED THE PRESSURE OF OVERPOWER THE STAPLES AS TO THEM OR CAUSE DAMAGE TO THE CLIP.

CONTINUE THE PANELING PROCEDURE APPLYING SEALANT TO THE FLASHING UP. APPLY SEALANT AT THE FLASHING BEAMS APPROXIMATELY 3" ALONG THE EDGE TOP OF EACH BUILDING PANEL. HOOK THE SEAL PANEL OVER THE FLASHING UP AND LAY THE PANEL INTO POSITION. KEEP THE STAPLING BEAMS FROM TOUCHING TOGETHER TO MAINTAIN SQUARE JOINTS PANELS AND MINIMIZE ANY POSSIBILITY OF GAPS OCCURRING AT THE EDGES OR INTERSECTIONS OF THE ROOF COVER.

MECHANICALLY CLIP EACH FLASHING BEAM EXTERNALLY. MECHANICALLY CLIP PANELS OVER ALL FLASHING CLIPS. CUT THE PANEL TO THE CORNER WIDTH. ALLOWING 2" FOR FLASHING OVERLAP AND WRAP-AROUND. USE SEALANT ALONG THE FLASHING UP AND LAY THE PANEL INTO PLACE. FORM THE PANEL OVER THE FLASHING UP AND MECHANICALLY CLIP.

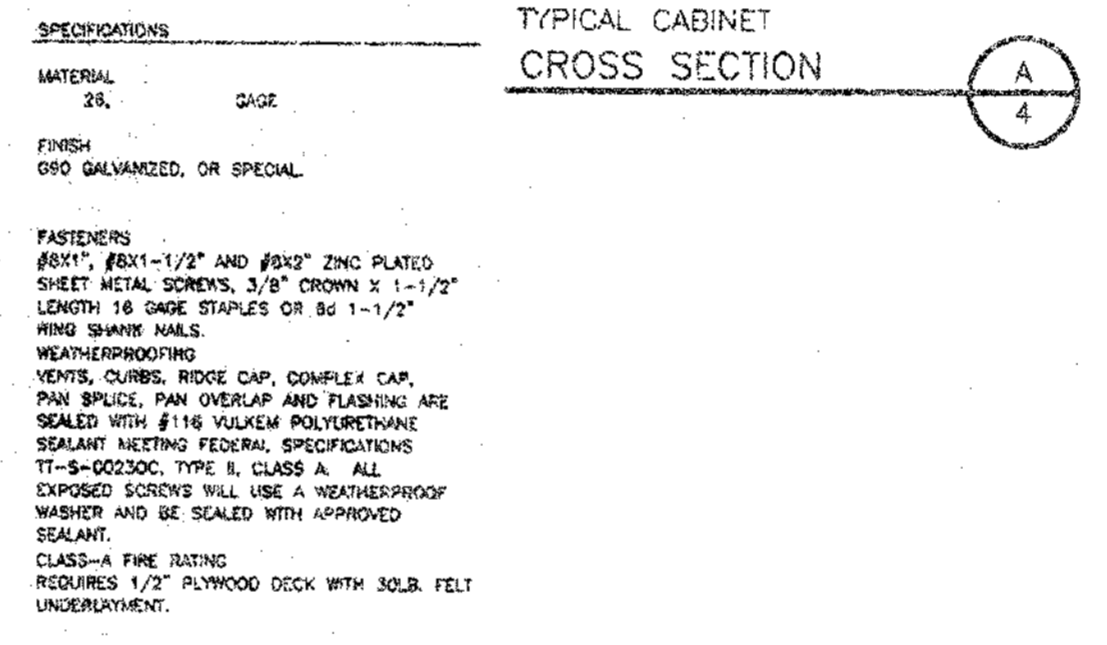
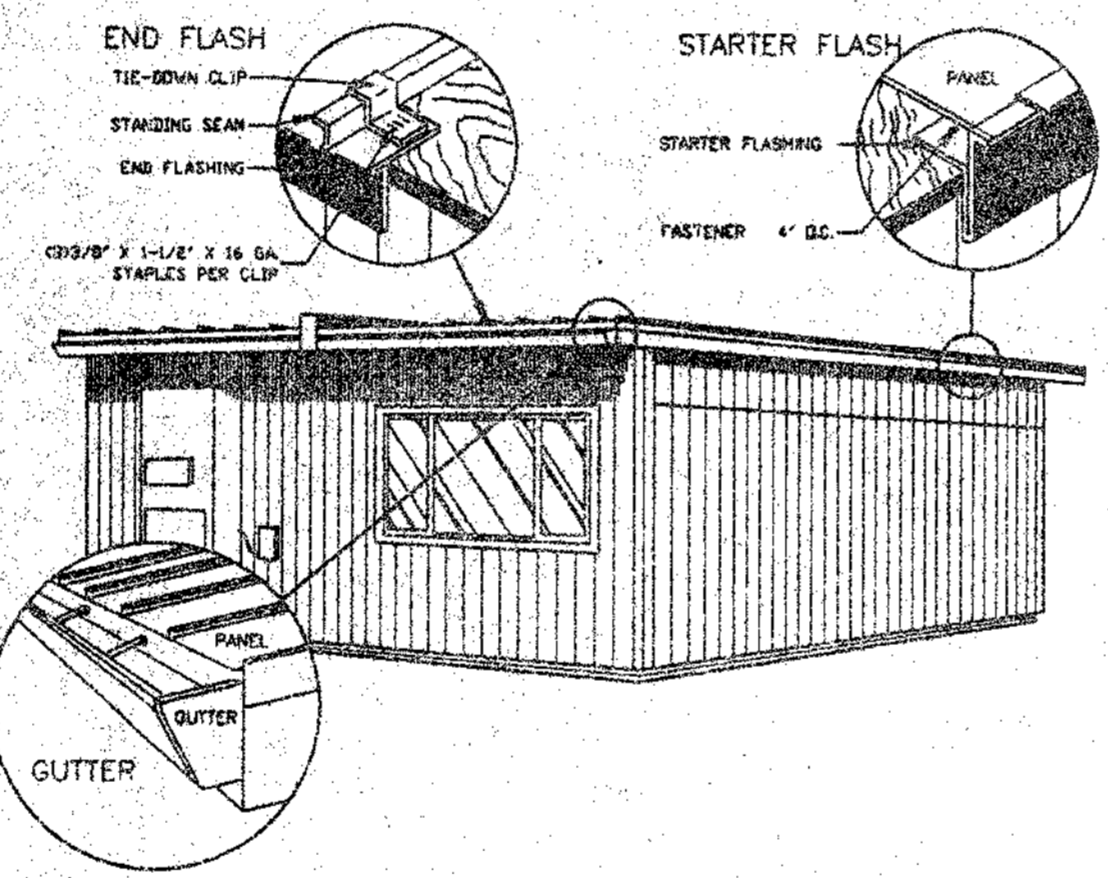
FLASHING (ROOF)

FORM THE CENTER FLASHING ON THE END OF THE BUILDING THAT IS OPPOSITE FROM THE DIRECTION OF PREVAILING WIND OR WINDING EDDIES. CUT THE FLASHING 1/2" CROWN X 1 1/2" LENGTH 100 GA. STAPLES 8" ON TO THE ROOF EDGE. THE FLASHING SHOULD EXTEND APPROXIMATELY 3" PAST THE CURVED WALL. WHEN THE 3" AROUND THE CORNER, FORWARD IT TIGHTLY OVER THE PARALLEL OVERLAP THE FLASHING SECTION 2". SOME MODIFICATION OF THE FLASHING UP WILL BE REQUIRED TO ALLOW THE OVERLAP.

INSTALL THE END FLASHING ALONG THE OPPOSITE END OF THE BUILDING FOR LEAKING EDGES. WEATHER THE CORNER AS ABOVE APPROXIMATELY 3" PAST THE CURVED WALL. THE FLASHING SHOULD EXTEND APPROXIMATELY 3" PAST THE CURVED WALL. WHEN THE 3" AROUND THE CORNER, FORWARD IT TIGHTLY OVER THE PARALLEL OVERLAP THE FLASHING SECTION 2". SOME MODIFICATION OF THE FLASHING UP WILL BE REQUIRED TO ALLOW THE OVERLAP.

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REQUIRE A MINIMUM OF 20 GA. STEEL ROOF PANELS WITH 28 GA. STEEL DOWN CLIPS AT 18" ON-CENTER TO THE ROOF DECK WITH THREE 1/2" CROWN BY 1 1/2" LENGTH 100 GA. STAPLES PER CLIP.



RECOMMENDED DIMENSION FOR ACCESSIBILITY IN TOILET FACILITIES FOR CHILDREN

| FIXTURE TYPE | ADULT (AGE 12 AND OVER) DIMENSION | ELEMENTARY DIMENSION | KINDERGARTEN & PRE-SCHOOL DIMENSION |
|-------------------------------------|-----------------------------------|----------------------|-------------------------------------|
| TOILET CENTERLINE FROM WALL | 18" | 18" | 12" |
| TOILET SEAT HEIGHT (TO TOP OF SEAT) | 17"-18" | 15" | 10"-12" |
| GRAB BAR HEIGHT | 33" | 33" | 10" ABOVE SEAT* |
| TOILET PAPER IN FRONT OF TOILET | 15" MAX. | 12" MAX. | 8" MAX. ** |
| WASH DISPENSER IN FRONT OF TOILET | 12" MAX. | N/A | N/A |
| DISPENSER OR WASH HEIGHT | 40" MAX. | 36" MAX. | 32" MAX. |
| LAVATORY/SINK TOP HEIGHT | 24" MAX. | 22" MAX. | 24" MAX. |
| LAVATORY/SINK FLOOR CLEARANCE | 27" MIN. | 24" MIN. | 23" MIN. |
| URINAL TOP HEIGHT | 17" MAX. | 15" MAX. | 10" MAX. |
| URINAL FLUSH HANDLE HEIGHT | 44" MAX. | 36" MAX. | 28" MAX. |
| DRINKING FOUNTAIN BUBBLER HEIGHT | 36" MAX. | 31" MAX. | 24" MAX. |
| DRINKING FOUNTAIN KNEE CLEARANCE | 27" MIN. | 24" MIN. | 22" MIN. |
| STAND/SEAT HANGING HEIGHT | 34"-36" | 27" | 22" |

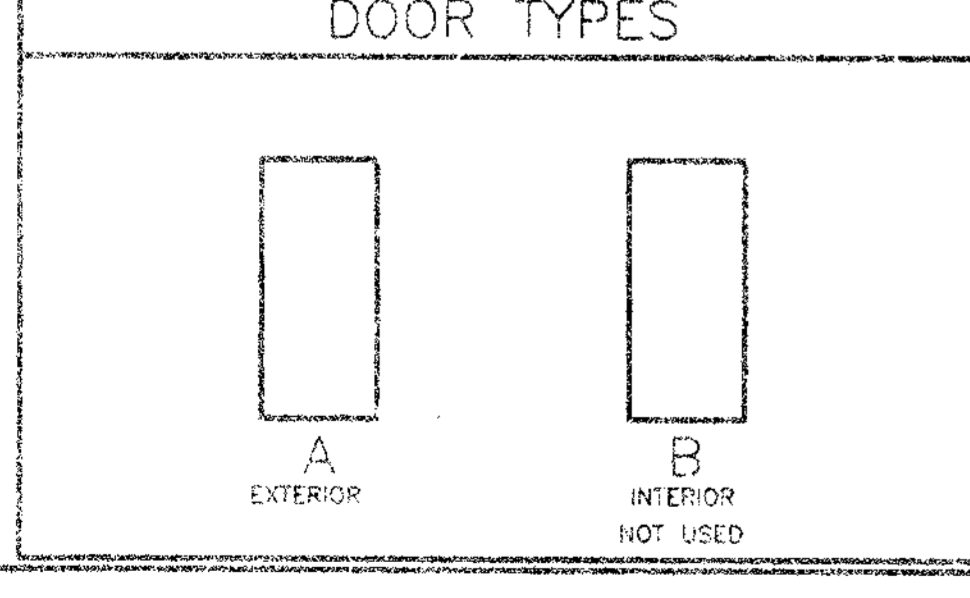
* ** ABOVE SEAT
** DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

DOOR SCHEDULE

| DOOR NO. | OPENING SIZE | DOOR TYPE | DOOR DETAILS | | | | | | | REMARKS | | |
|----------|---------------|-----------|--------------|-------|-------------|------|------|-----------|---------|---------|--------|--|
| | | | THK. | MAT'L | FRAME MAT'L | HEAD | JAMB | THRESHOLD | GLAZING | | RATING | |
| 1 | 3'-0" x 8'-0" | A | 1 3/4" | H.M. | H.M. | | | | | N/A | N/A | |
| 2 | 3'-0" x 8'-0" | A | 1 3/4" | H.M. | H.M. | | | | | N/A | N/A | |

FINISH SCHEDULE

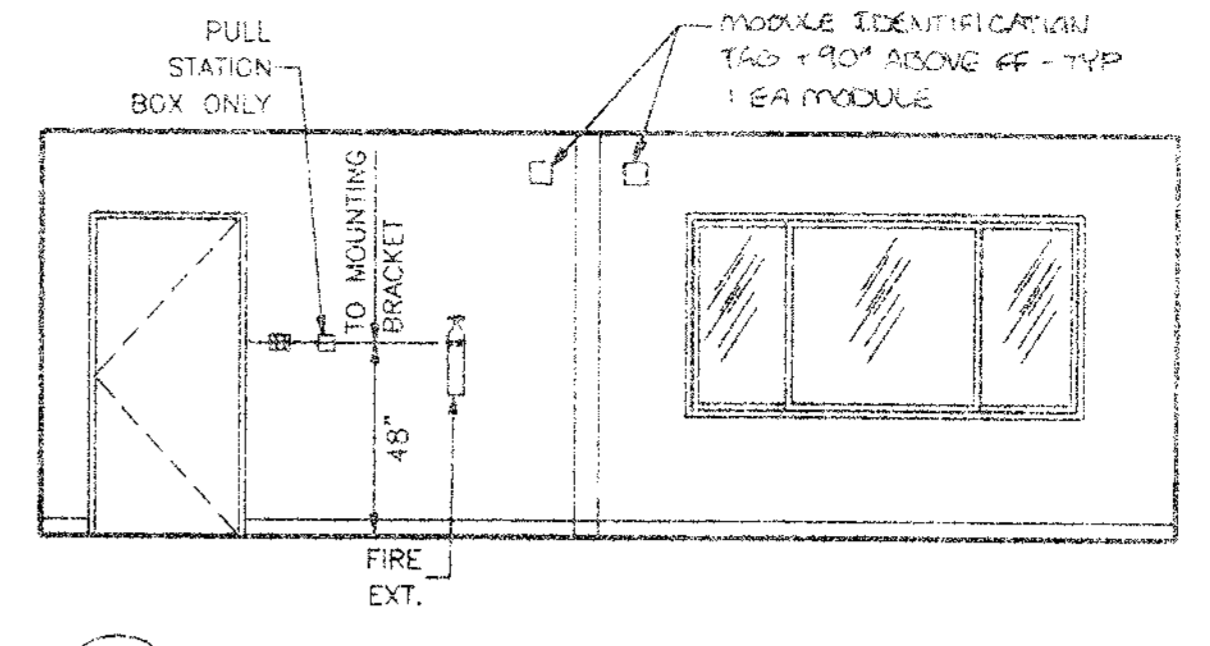
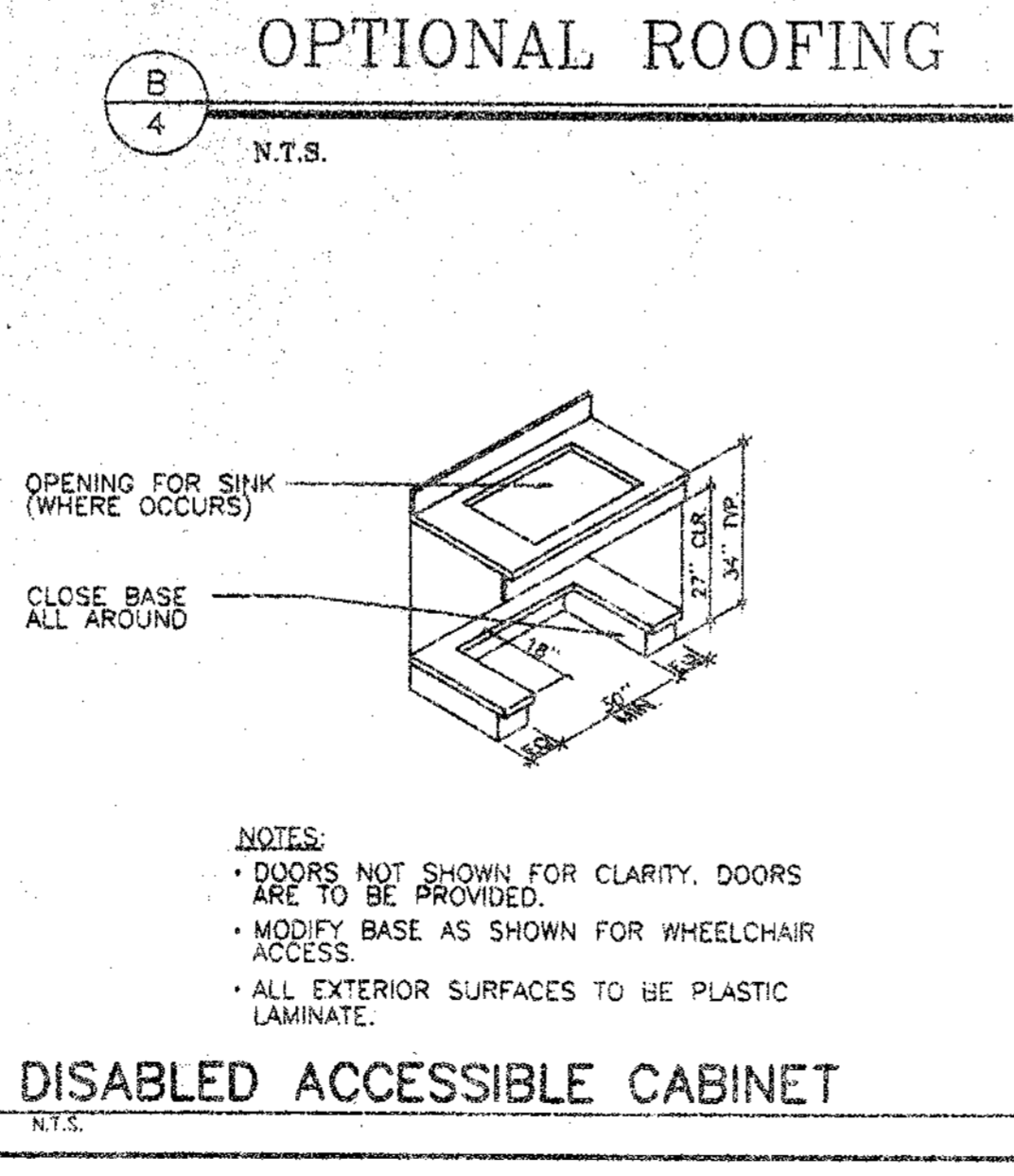
| ROOM NO. | ROOM NAME | FLOOR | WALLS | | | | | CEILING | MISC. | CLG. HT. | REMARKS |
|----------|-------------------|-------|-------|-------|------|-------|------|---------|-------|----------|---------|
| | | | BASE | NORTH | EAST | SOUTH | WEST | | | | |
| 01 | CLASSROOM | F2 | B1 | W1 | W1 | W1 | W1 | C1 | N/A | B-6 | N/A |
| 02 | OPTIONAL RESTROOM | F3 | B1 | W2 | W2 | W2 | W2 | C1 | N/A | B-6 | N/A |



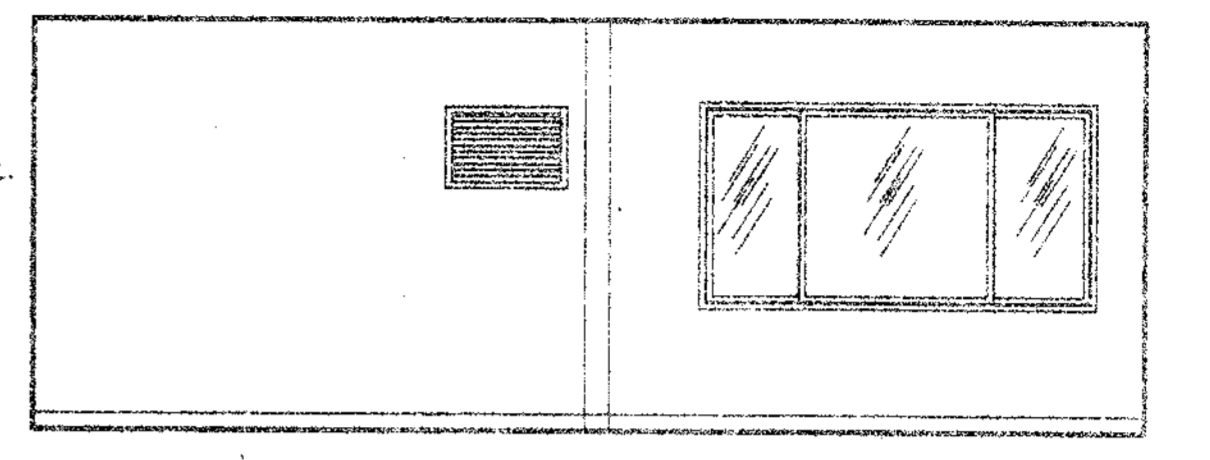
FINISHES

| FLOOR FINISHES | WALL FINISHES | CEILING FINISHES | MISCELLANEOUS FINISHES |
|---------------------------|--|-----------------------------------|------------------------|
| F1 VINYL COMPOSITION TILE | W1 1/2" X 1/2" MEDIUM SOUND BOARD OVER 1/2" GYPSUM BD. | C1 SUSPENDED LAY-IN ACOUSTIC TILE | |
| F2 CARPETING | W2 1/8" MARBLE OVER 1/2" GYPSUM BOARD | | |
| F3 SHEET VINYL | | | |
| B1 RUBBER CURVE BASE | | | |

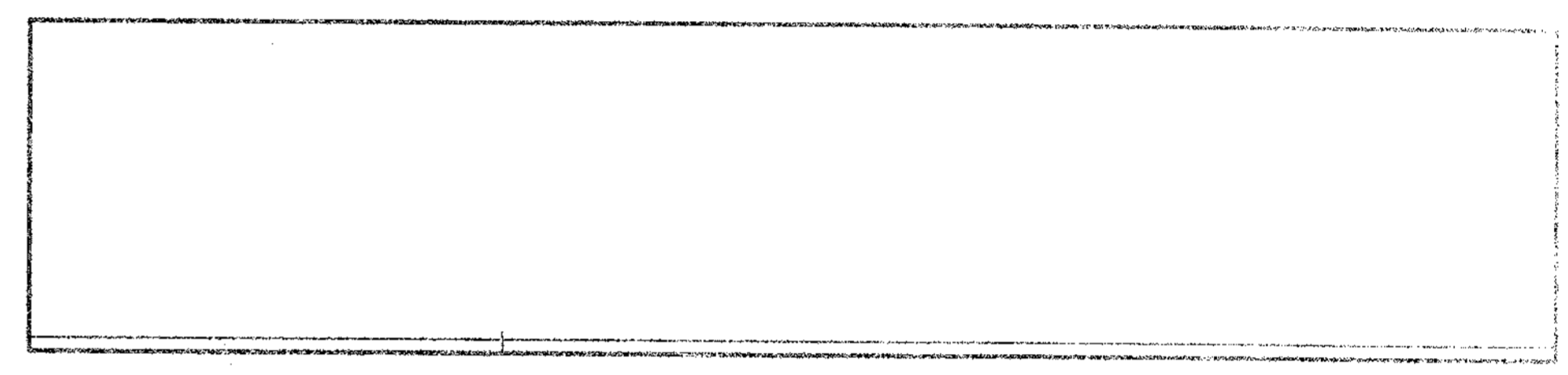
REMARKS: 1. SEE PLAN FOR LOCATION OF FLOOR FINISHES



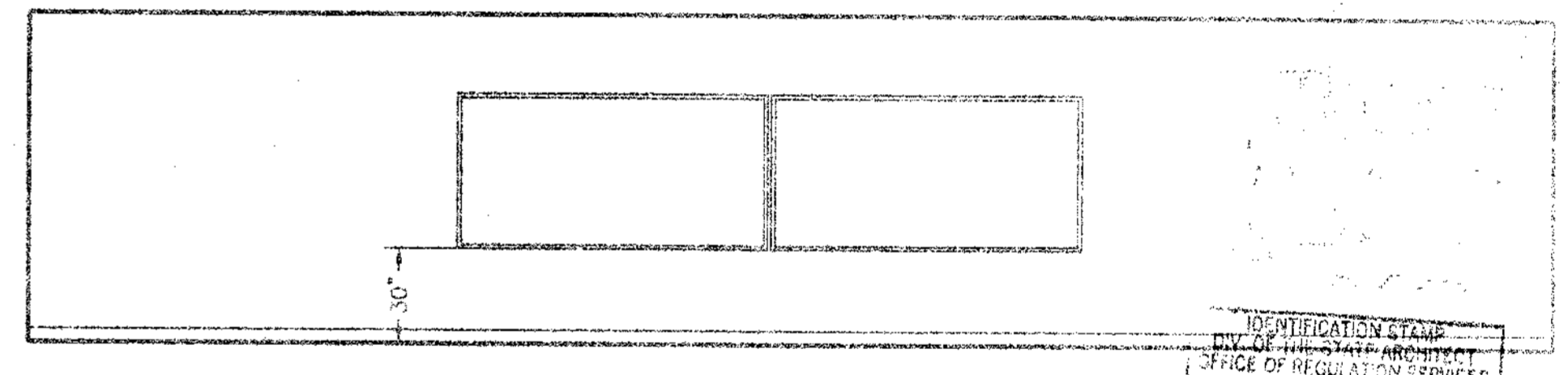
1 INTERIOR ELEVATION
4 1/4" = 1'-0"



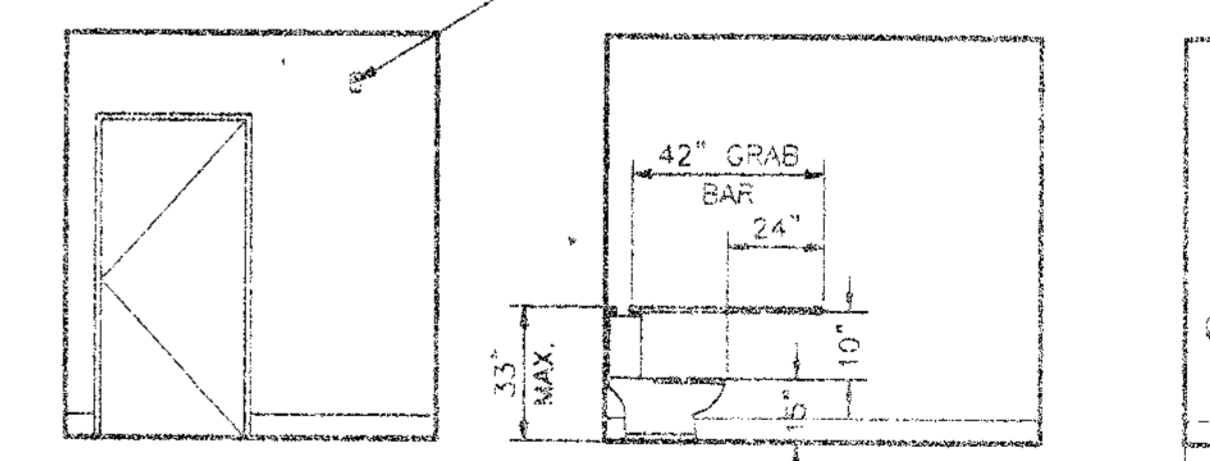
2 INTERIOR ELEVATION
4 1/4" = 1'-0"



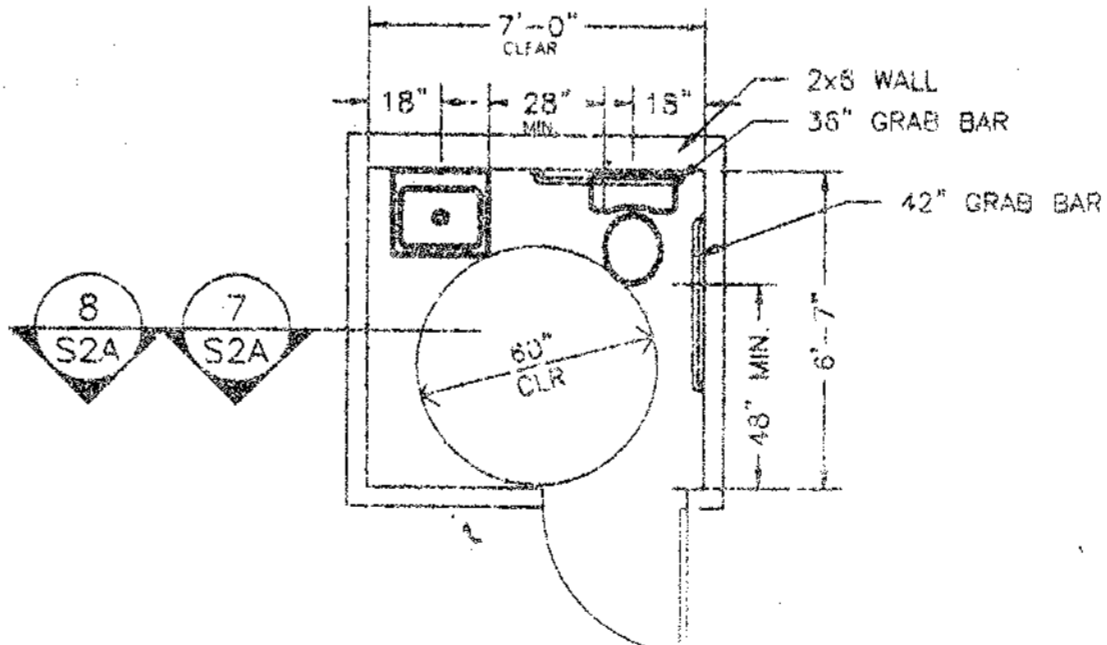
3 INTERIOR ELEVATION
4 1/4" = 1'-0"



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



5 RESTROOM
4 1/4" = 1'-0"



IDENTIFICATION STAMP
DIV. OF CONSTRUCTION ADMINISTRATION
OFFICE OF REGULATION SERVICES
02 101887
AC 1/2 1/2 1/2 1/2
DATE 7/5/2001

REGISTERED PROFESSIONAL ENGINEER
No. 2310
DATE JAN 12 2000

NO CHANGES
DATE OCT 1 1999

24 X 40 PC RELOCATABLE CLASSROOM

American Modular Systems

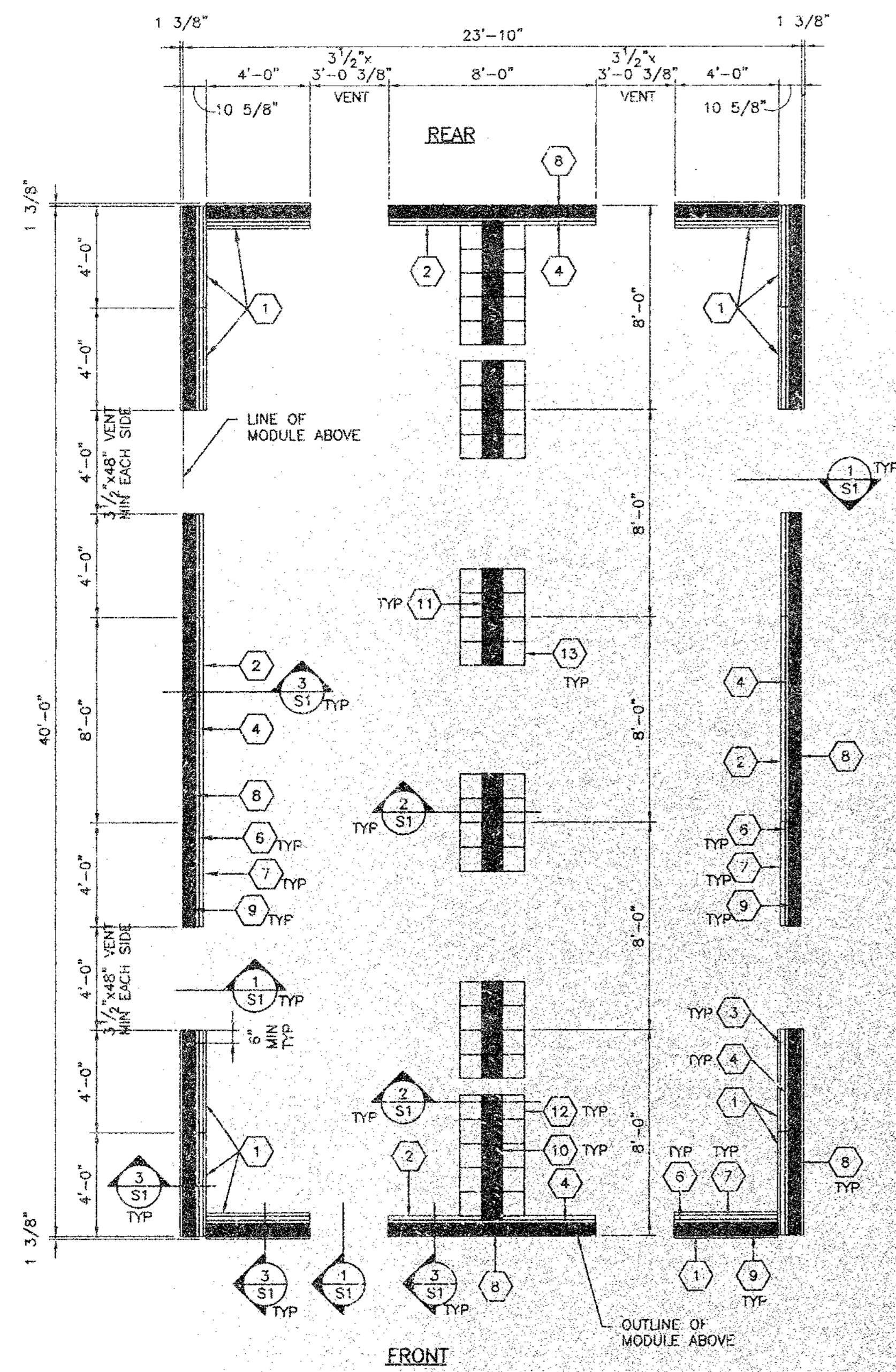
CUSTOMER: _____
DATE: 10-19-99
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY: _____
SERIAL NO. _____

INTERIOR ELEVATIONS AND OPTIONS

REVISIONS

| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
|-----|------|-------------|-----|------|-------------|
| | | | | | |
| | | | | | |
| | | | | | |

SHEET 4



LEGEND

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

FOUNDATION PLAN
1/4" = 1'-0"

NOTES:

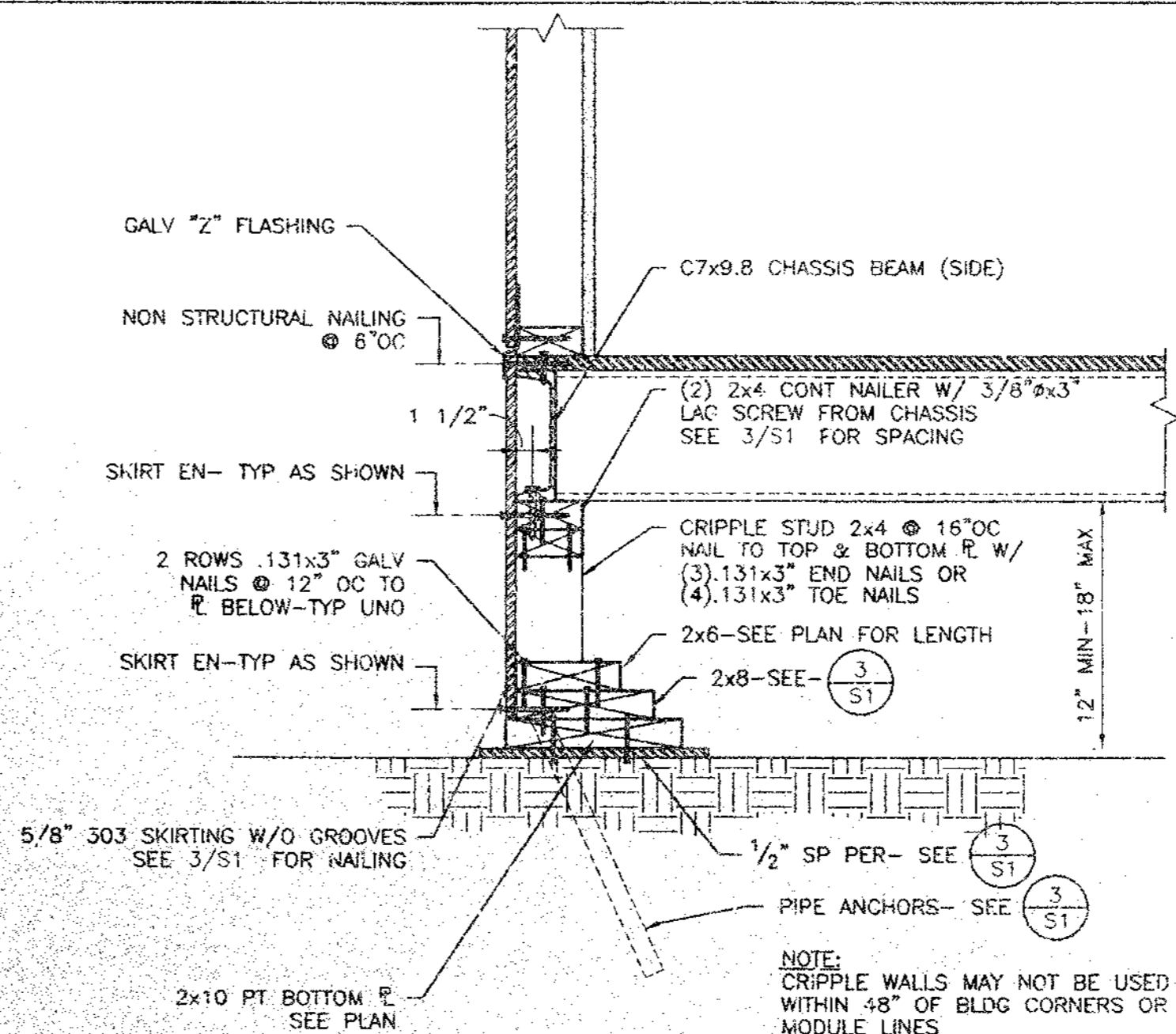
- 1 TOP OF WOOD PADS TO BE LEVEL.
- 2 DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
- 3 SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
- 4 FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
- 5 PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 30'x50' AND SHALL NOT EXCEED 8" OUT OF LEVEL IN ANY DIRECTION.
- 6 VENT AREA REQUIRED = $\frac{100 \times 50}{100} = 6.44$ SF
VENT AREA PROVIDED = 6.44 SF

SILL RESTRAINT:

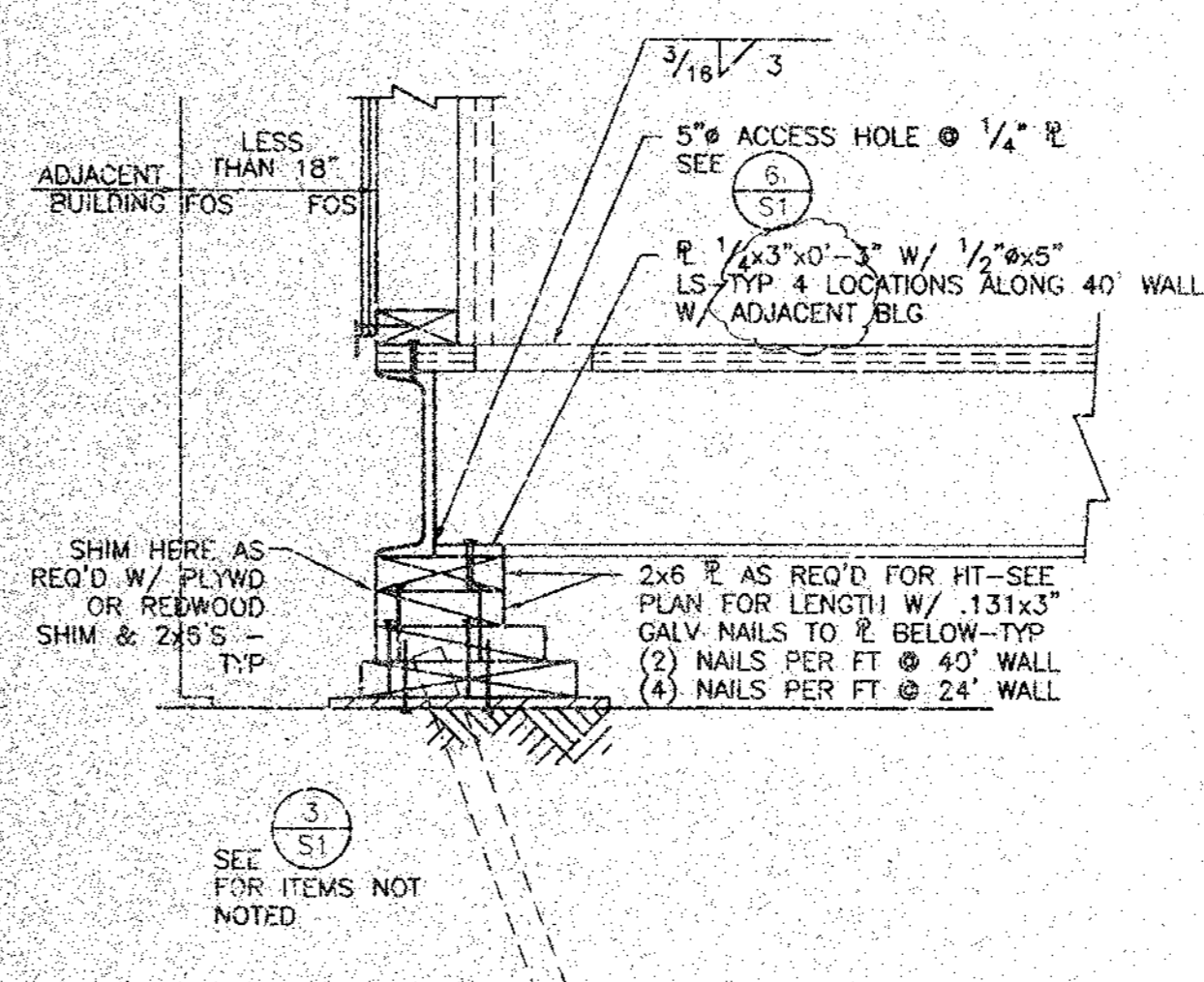
- ON SOIL: 1" Ø GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC MIN 2 EA 2x R. DRILL SILL 1 1/4" MAX PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
- ON A/C PAVING: 1" Ø GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC (MIN 2 EA 2x R). DRILL SILL 1 1/4" MAX OR 203 NAILS THRU SILL R @ 32" OC.
- ON CONC PAVING: HILTI DS 82-P10 THRU SILL R @ 4'-0" OC, 2 EA PIECE

FOUNDATIONS:

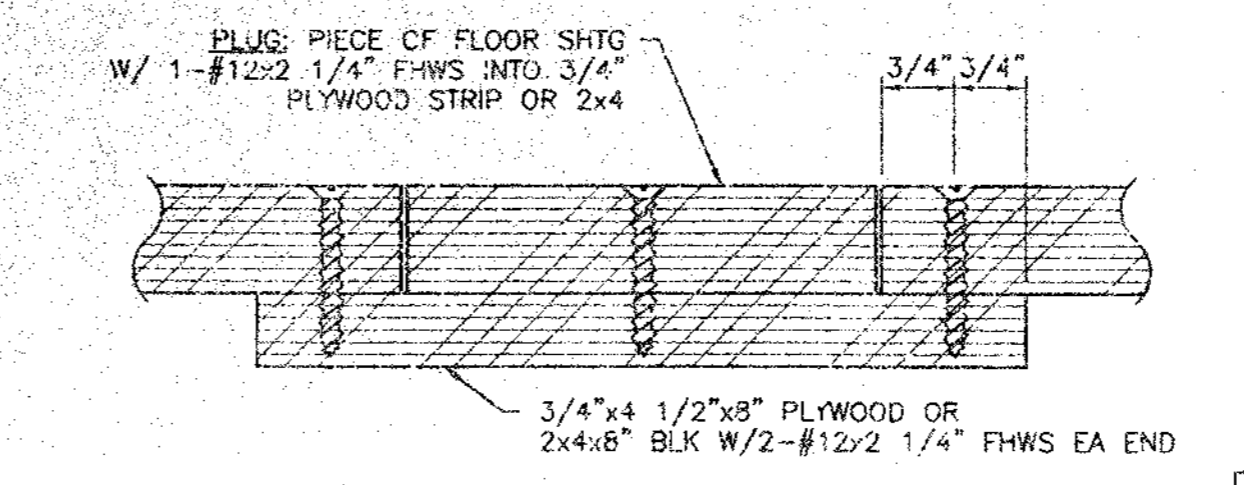
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 1998 CALIFORNIA BUILDING 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.



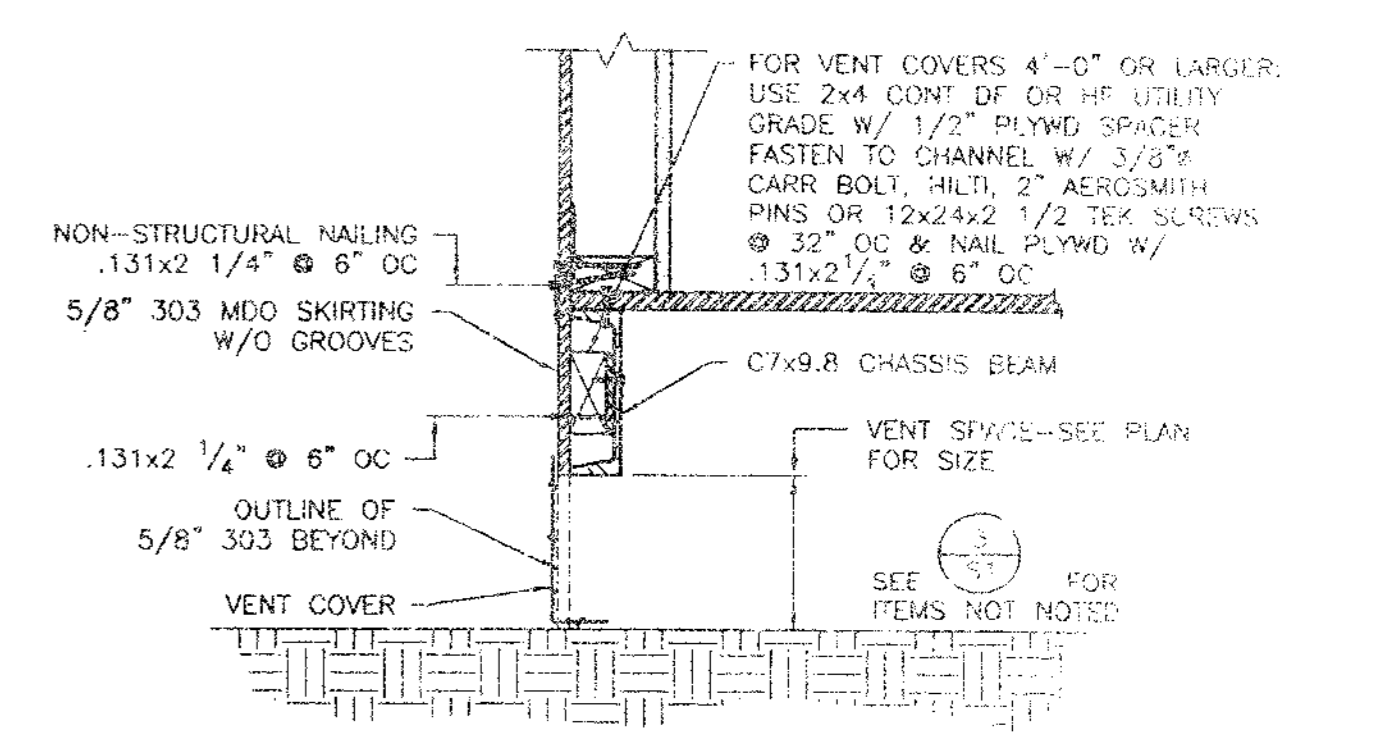
FOUNDATION DETAIL
1 1/2" = 1'-0"



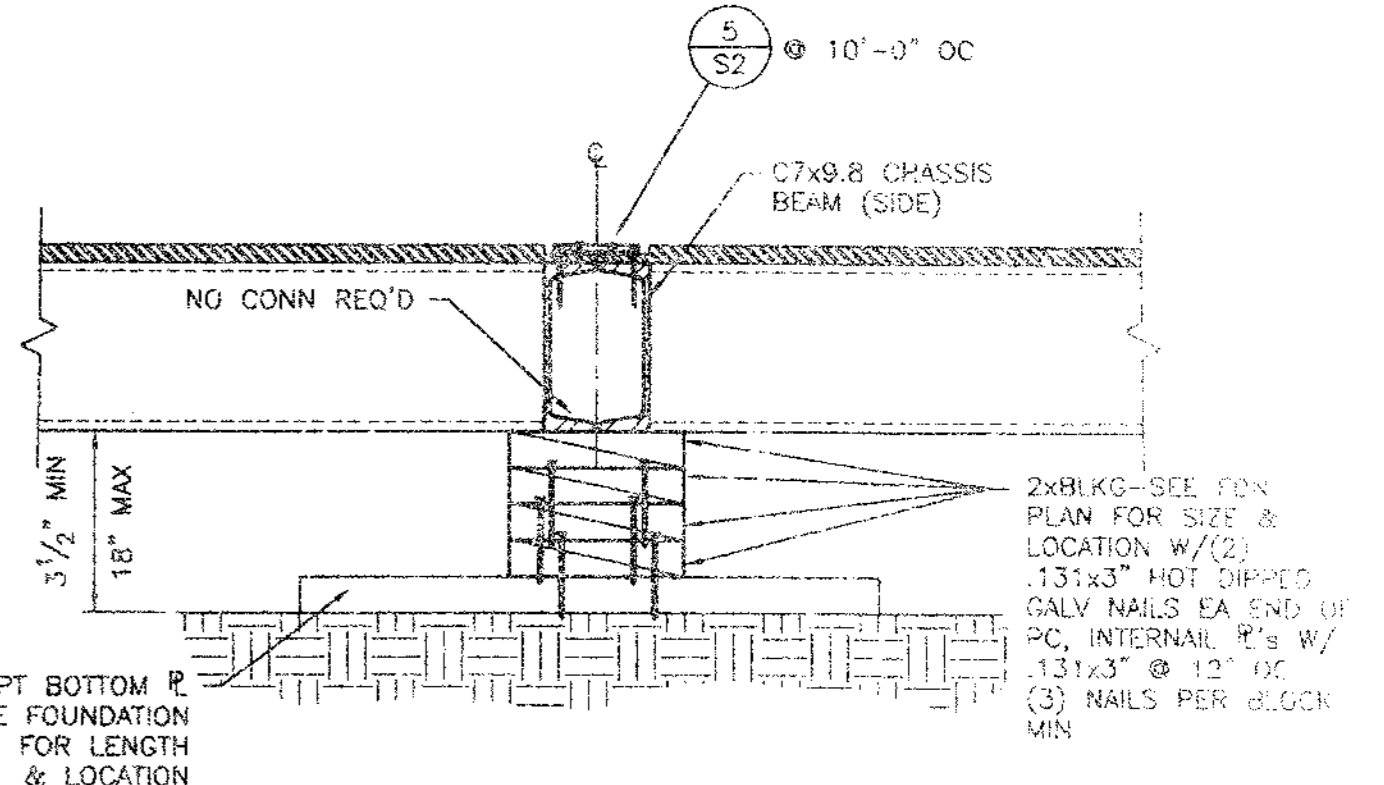
FOUNDATION DETAIL
1 1/2" = 1'-0"



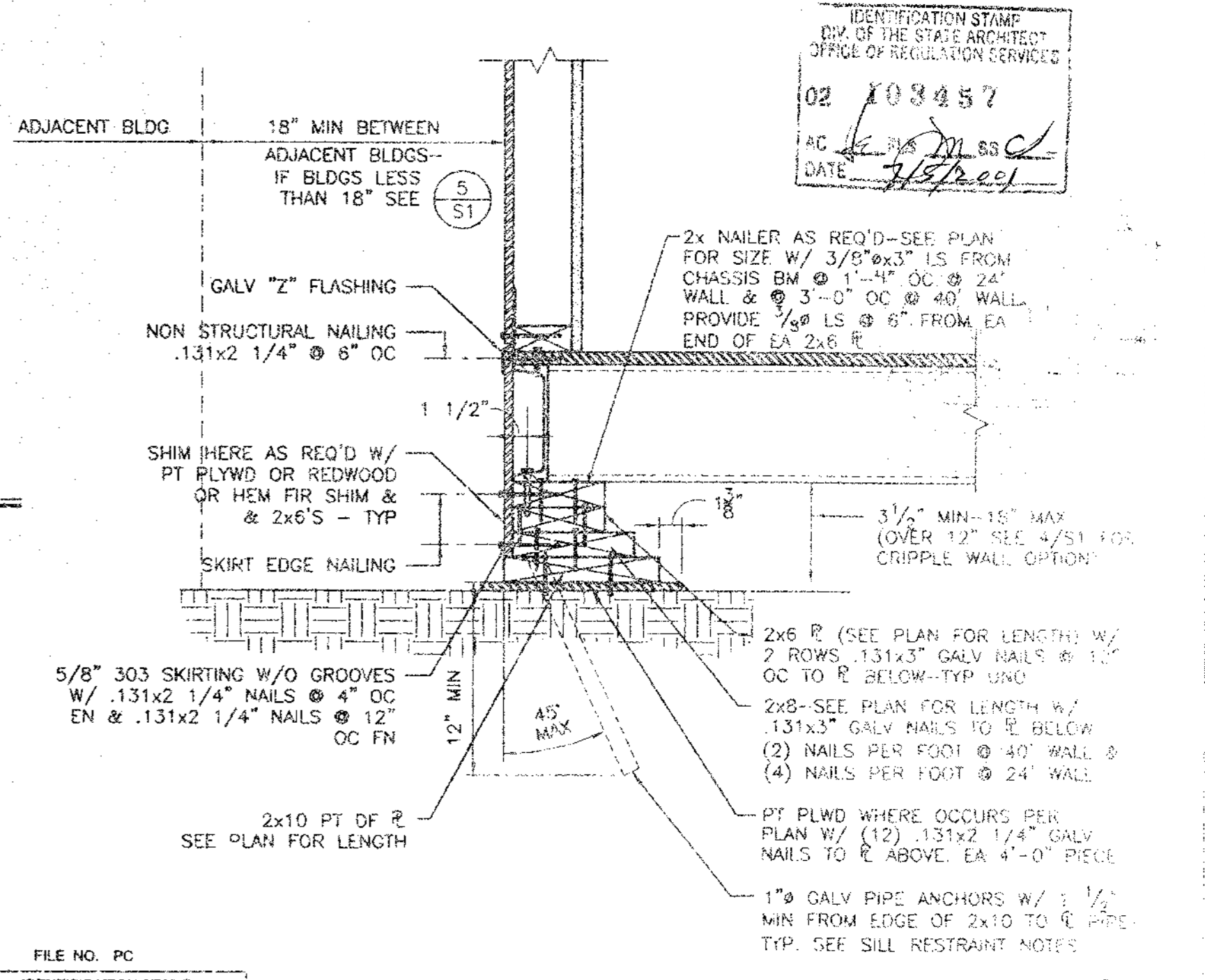
FILLER ACCESS HOLE DETAIL
NO SCALE



FOUNDATION DETAIL
1 1/2" = 1'-0"



FOUNDATION DETAIL
1 1/2" = 1'-0"

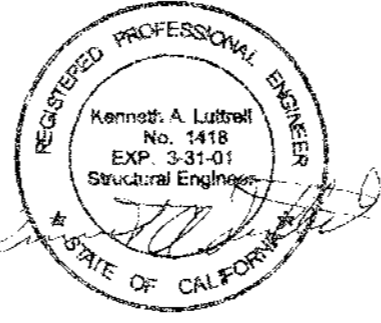


FOUNDATION DETAIL
1 1/2" = 1'-0"

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101827
DATE: JAN 12 2009

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

24 x 40
RELOCATABLE
CLASSROOM



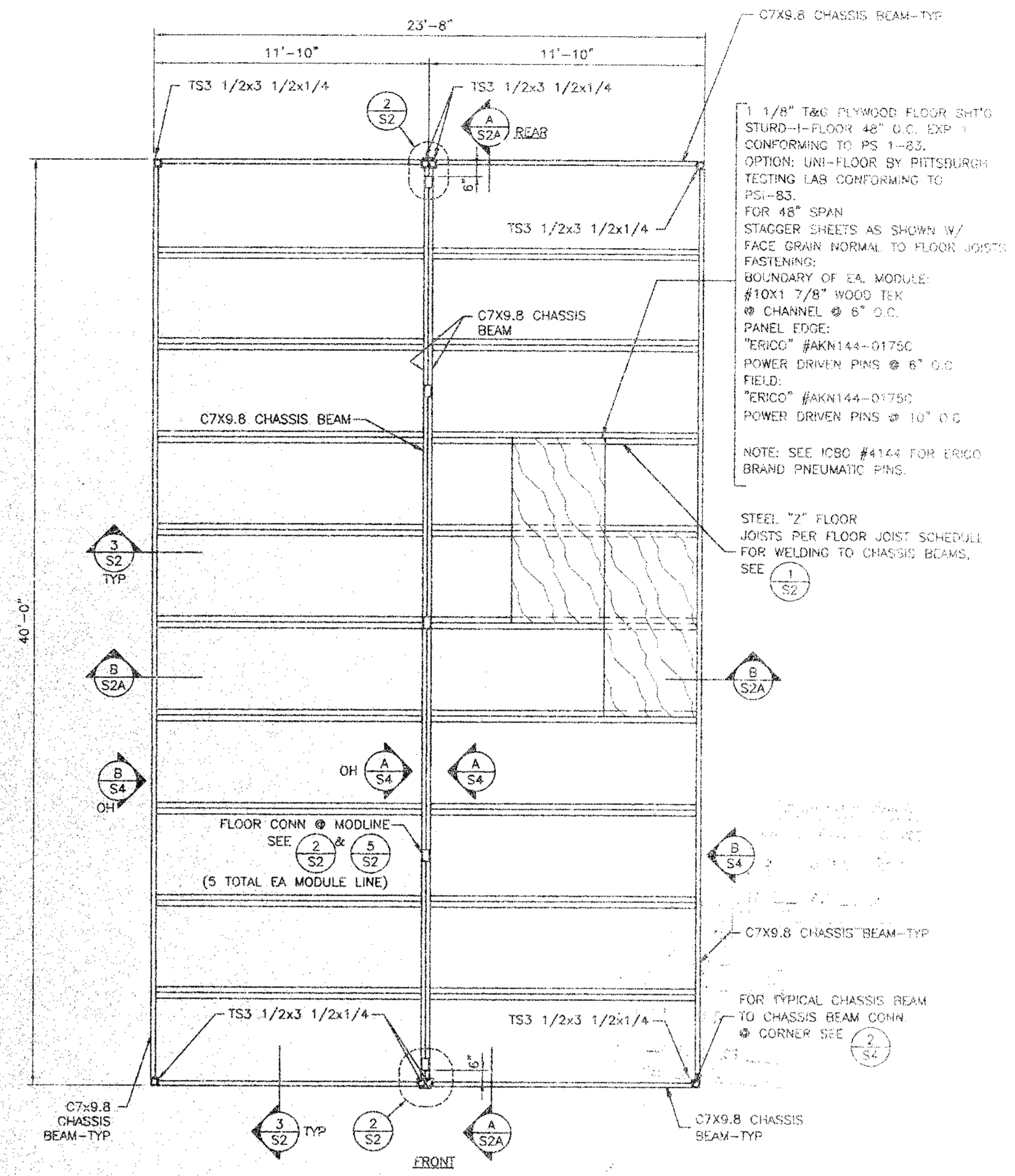
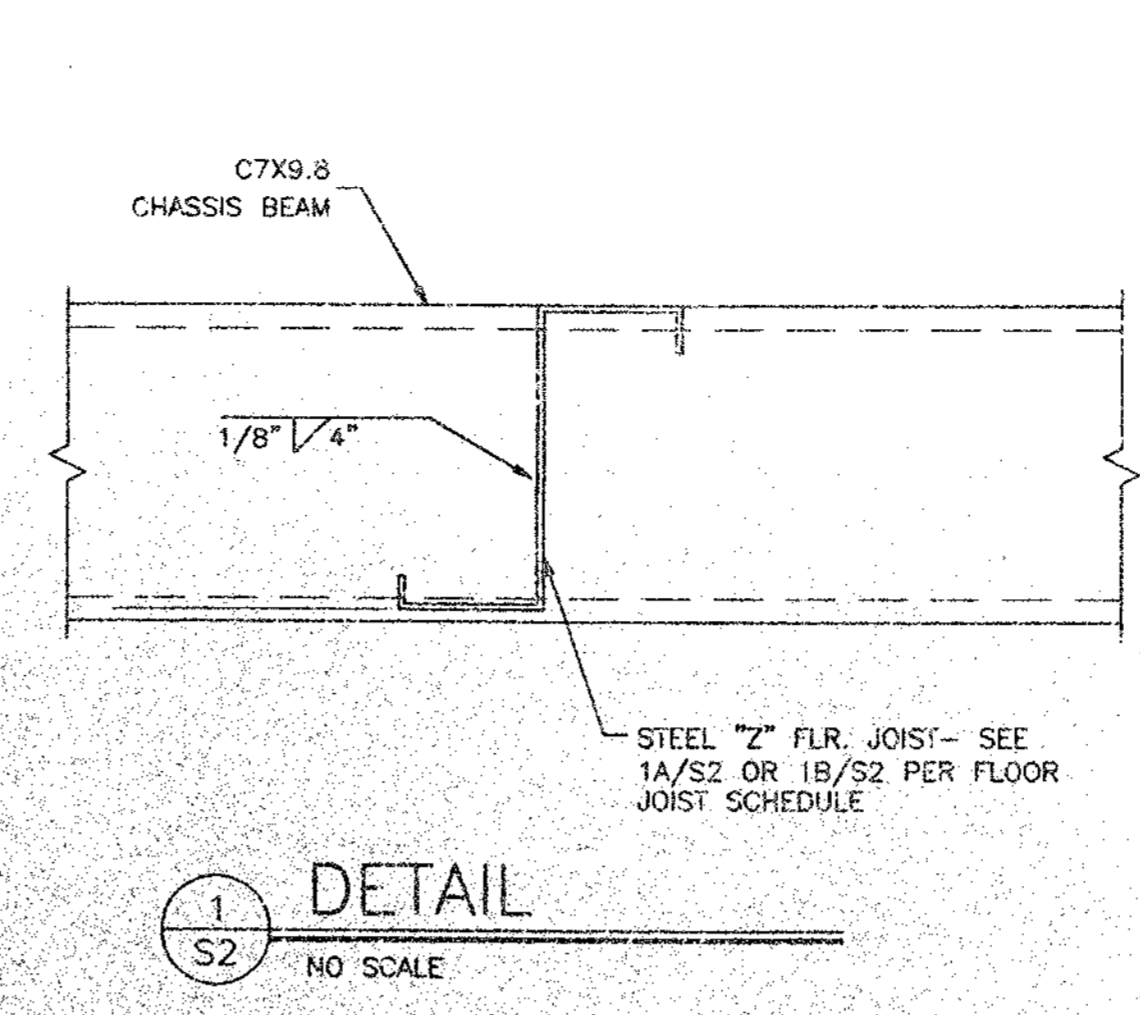
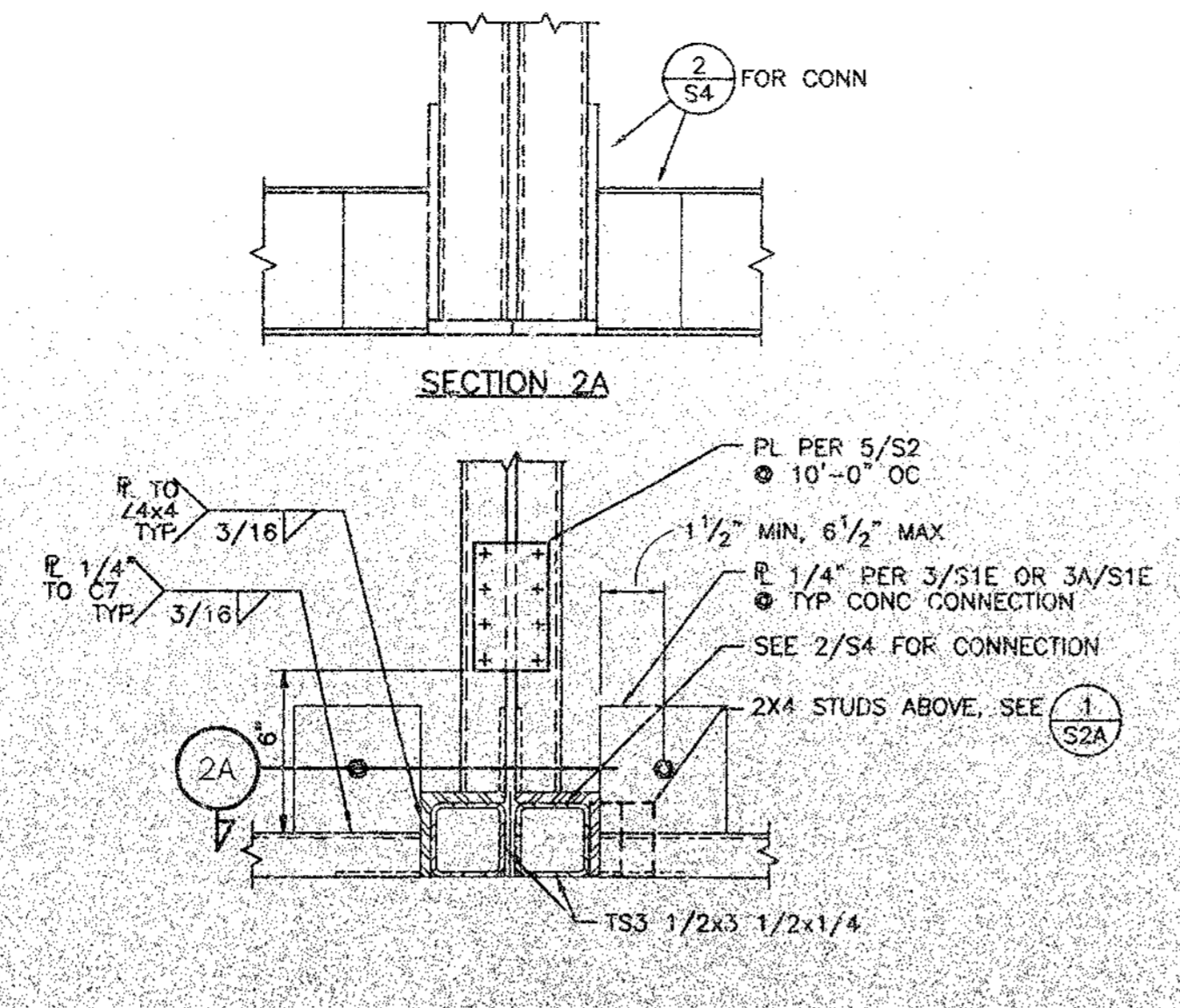
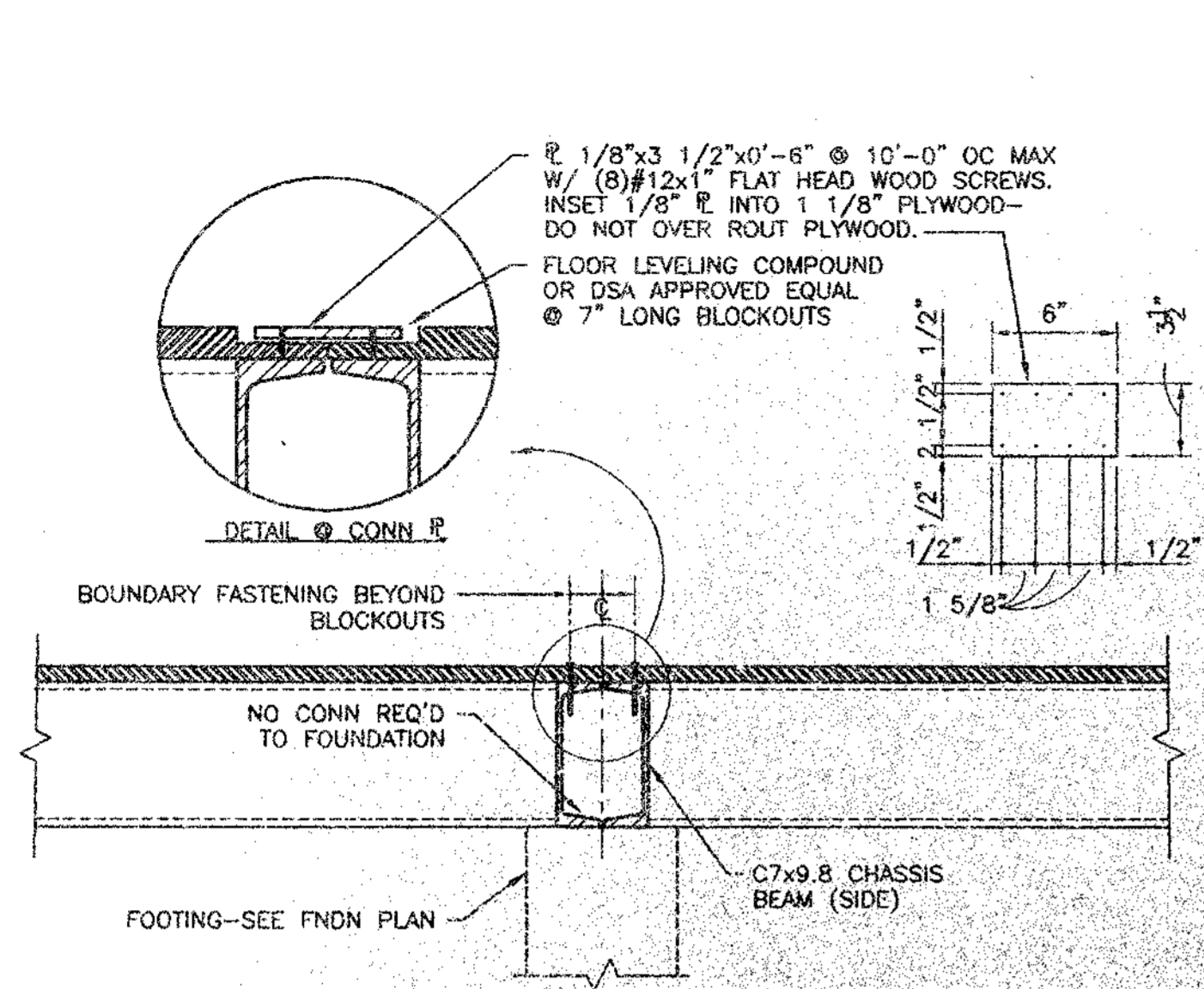
CUSTOMER: _____
FOUNDATION PLAN AND DETAILS

DATE: 12/27/09
SCALE: AS NOTED
DRAWN BY: PWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO. _____

| REVISIONS | | | | | |
|-----------|------|-------------|-----|------|-------------|
| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
| | | | | | |
| | | | | | |
| | | | | | |

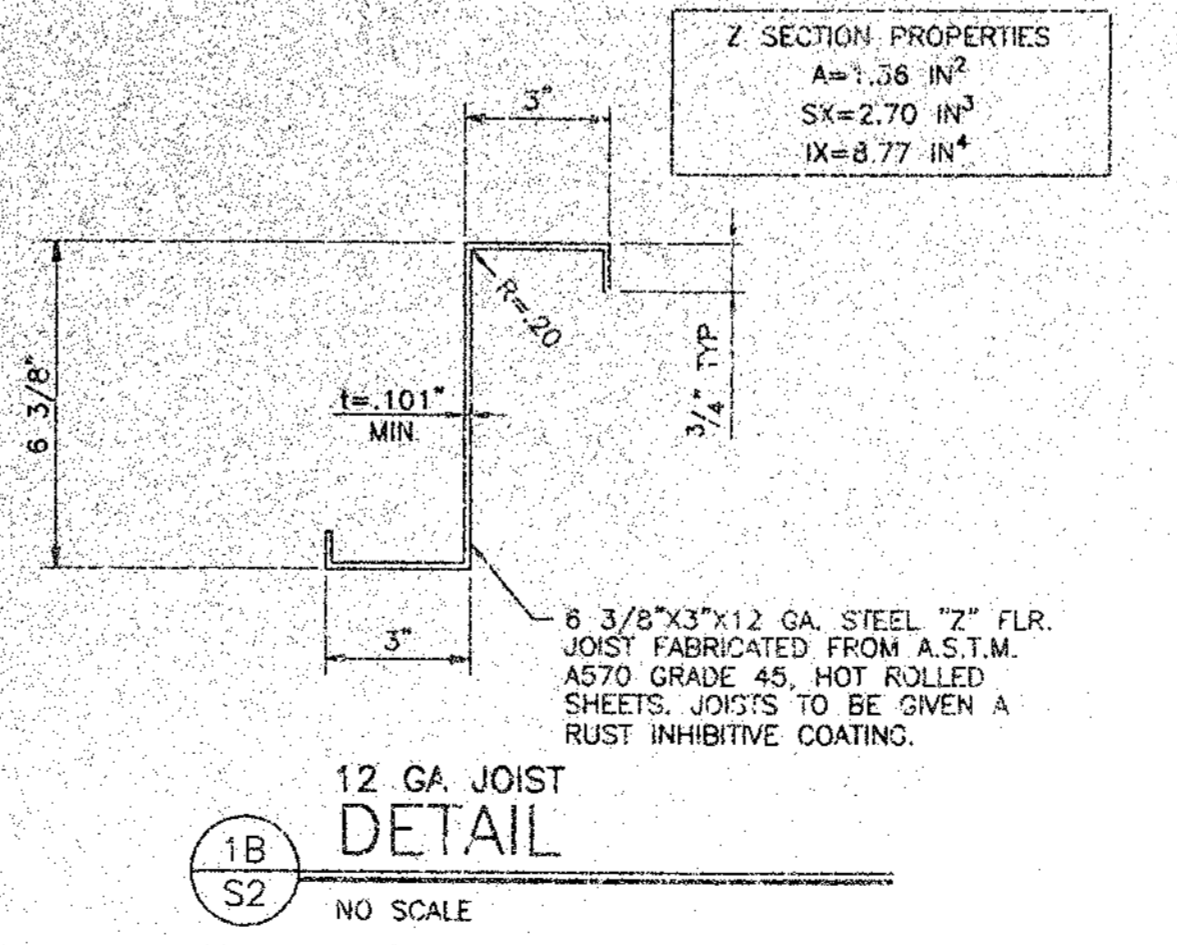
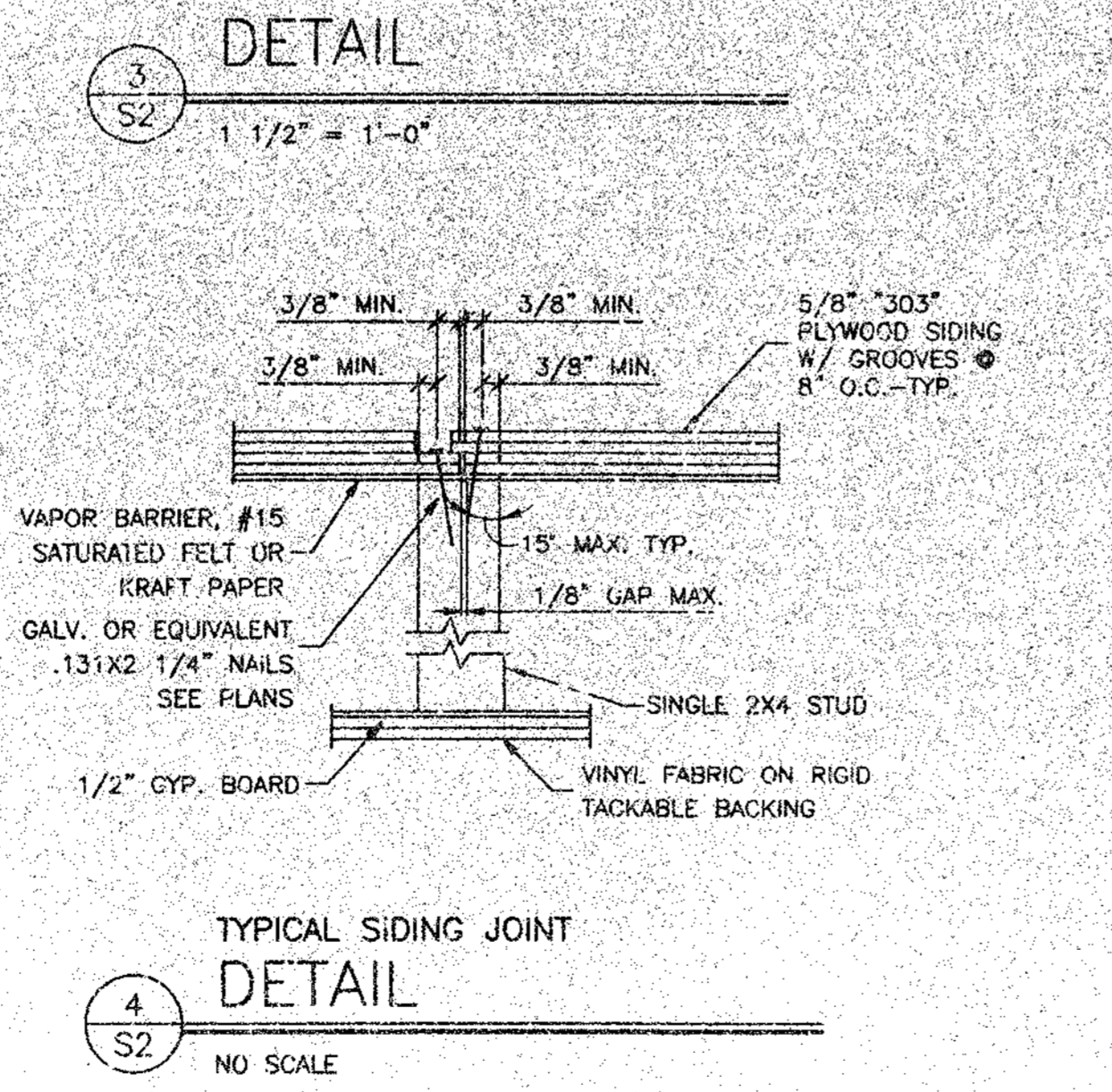
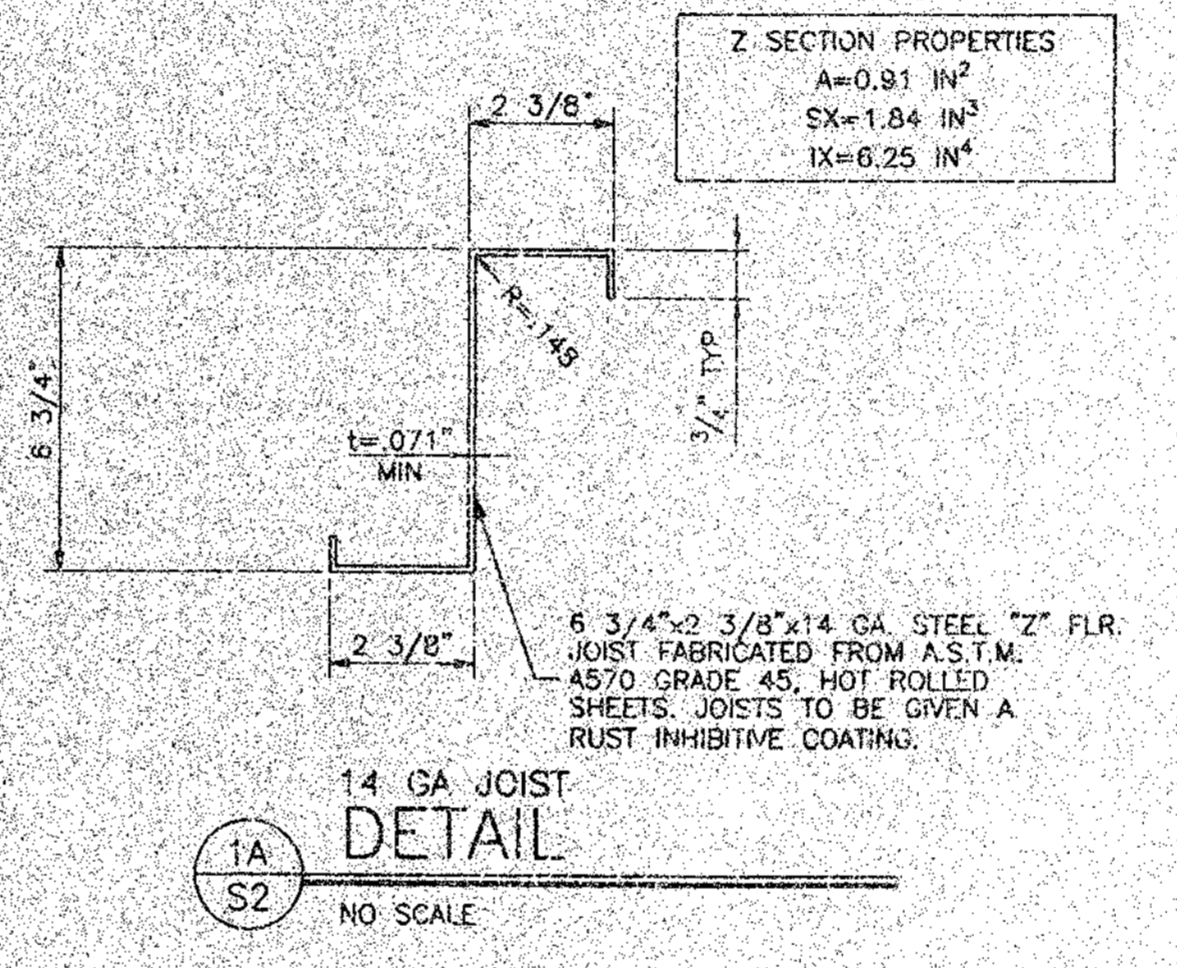
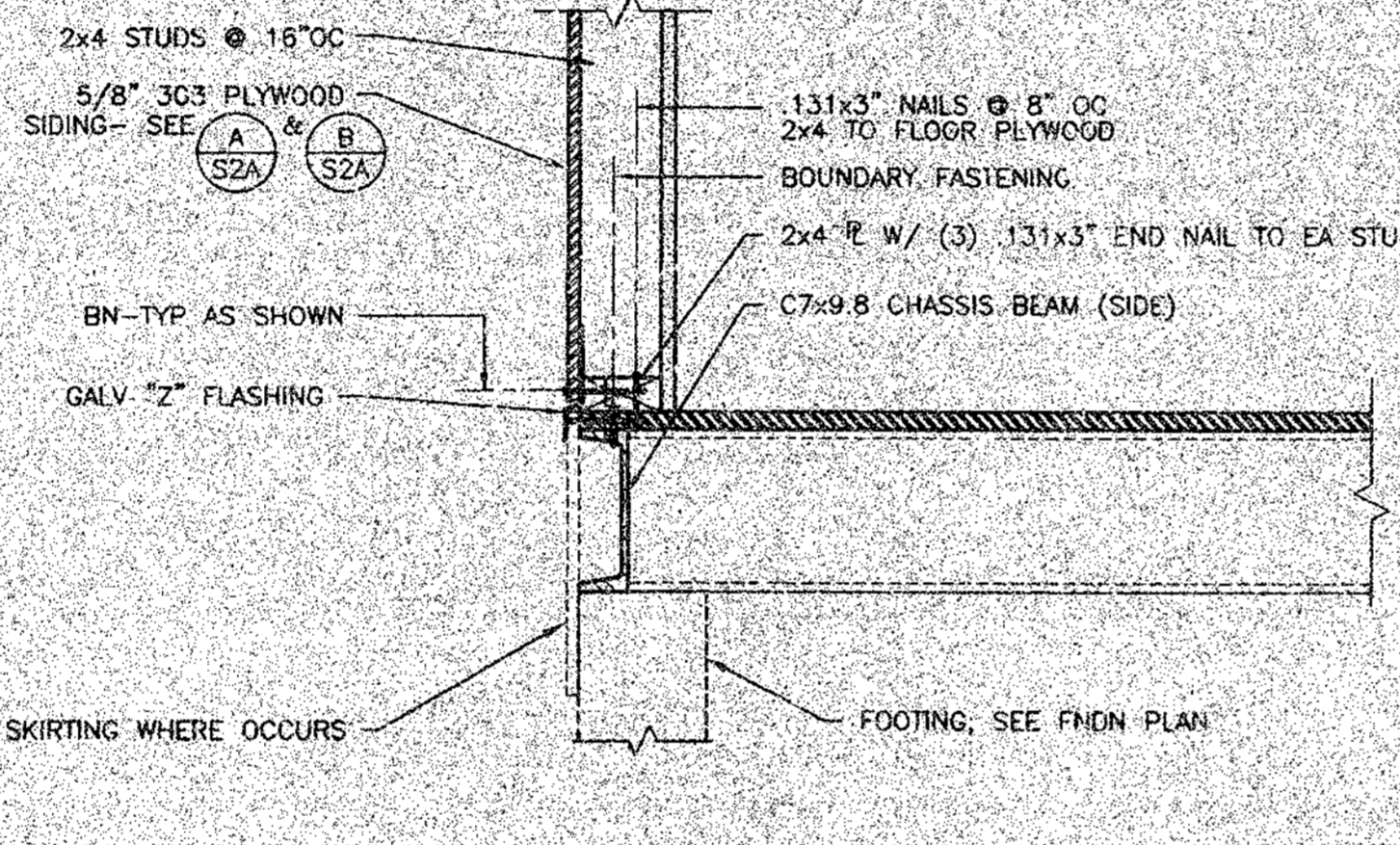
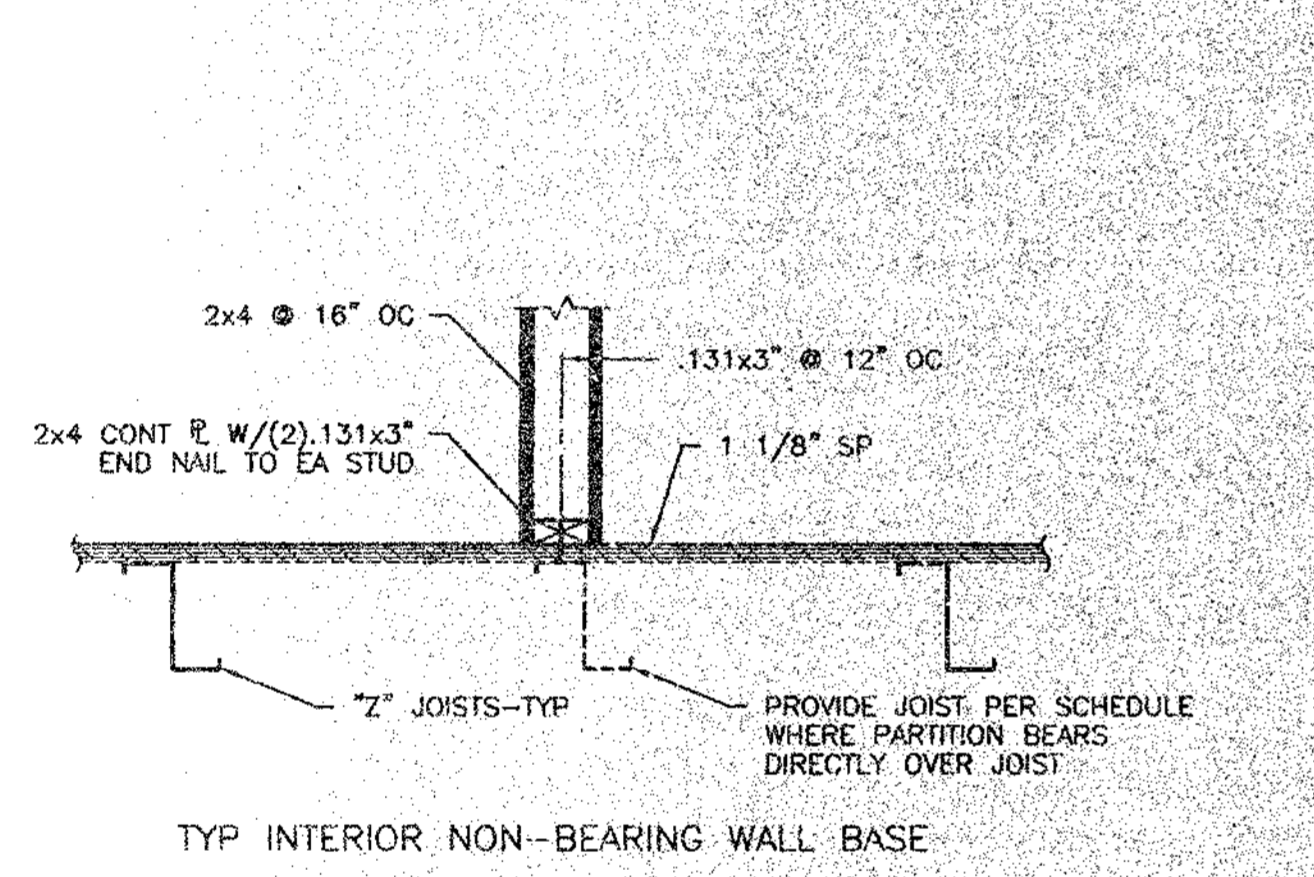


PROJECT NO.
99100
SHEET NO.
S1



NOTES:
1. SEE SHEET 54 FOR TYPICAL WALL FRAMING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECTURE
OFFICE OF REGULATION SERVICES
02 103437
DATE 7/2/01



| 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.



48E NO. 06
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECTURE
OFFICE OF REGULATION SERVICES
APPROXIMATION NO.
DATE JAN 1-2 2005

24 x 40
RELOCATABLE
CLASSROOM



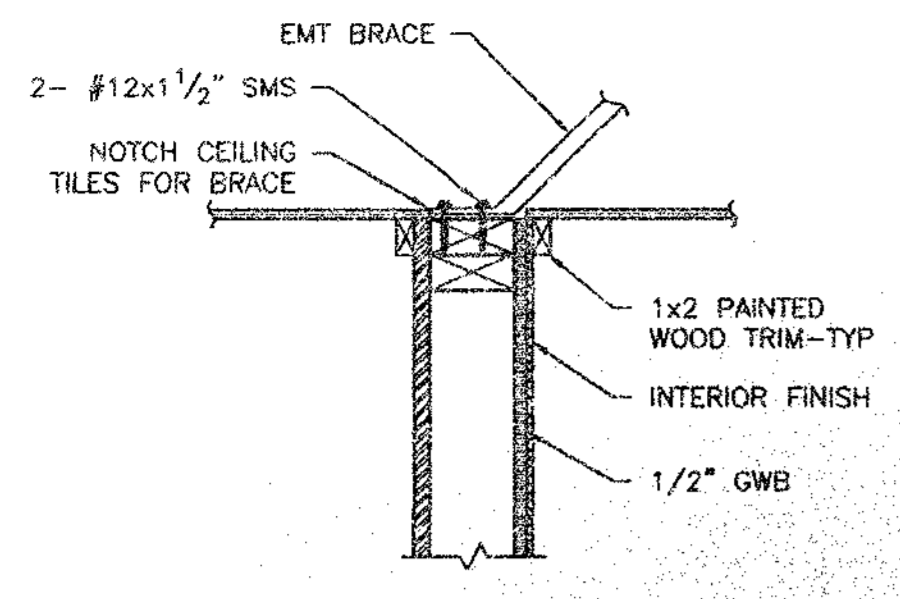
CUSTOMER: _____
FLOOR FRAMING PLAN AND DETAILS

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

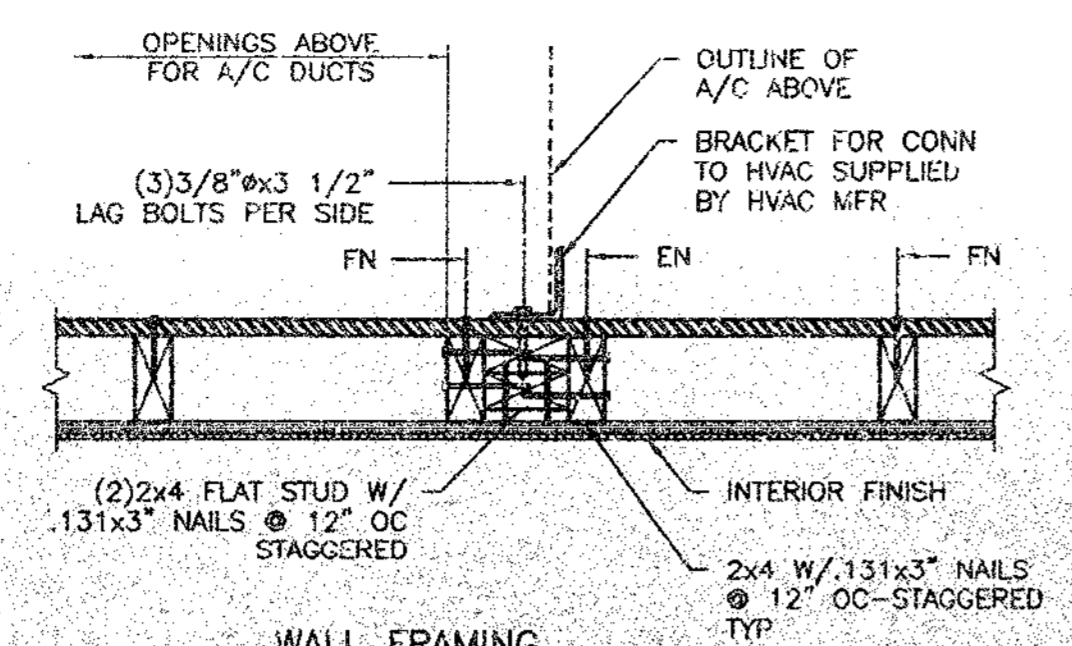
| REVISIONS | | | | | |
|-----------|------|-------------|-----|------|-------------|
| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
| | | | | | |
| | | | | | |
| | | | | | |

PROJECT NO.
99100
SHEET NO.
52

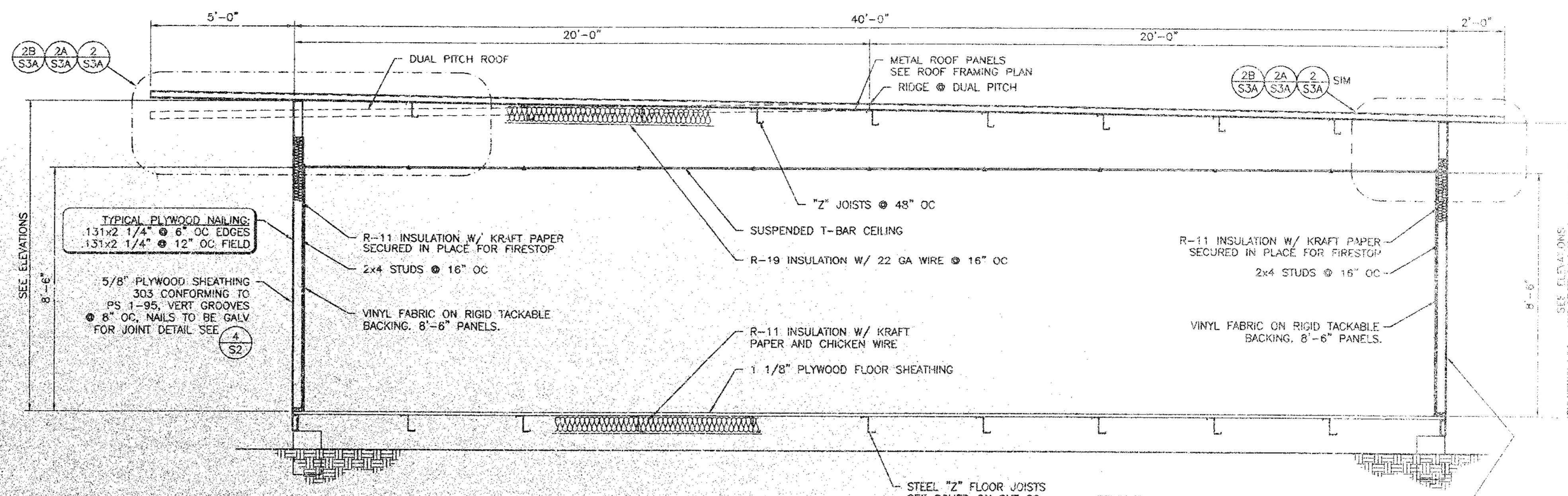
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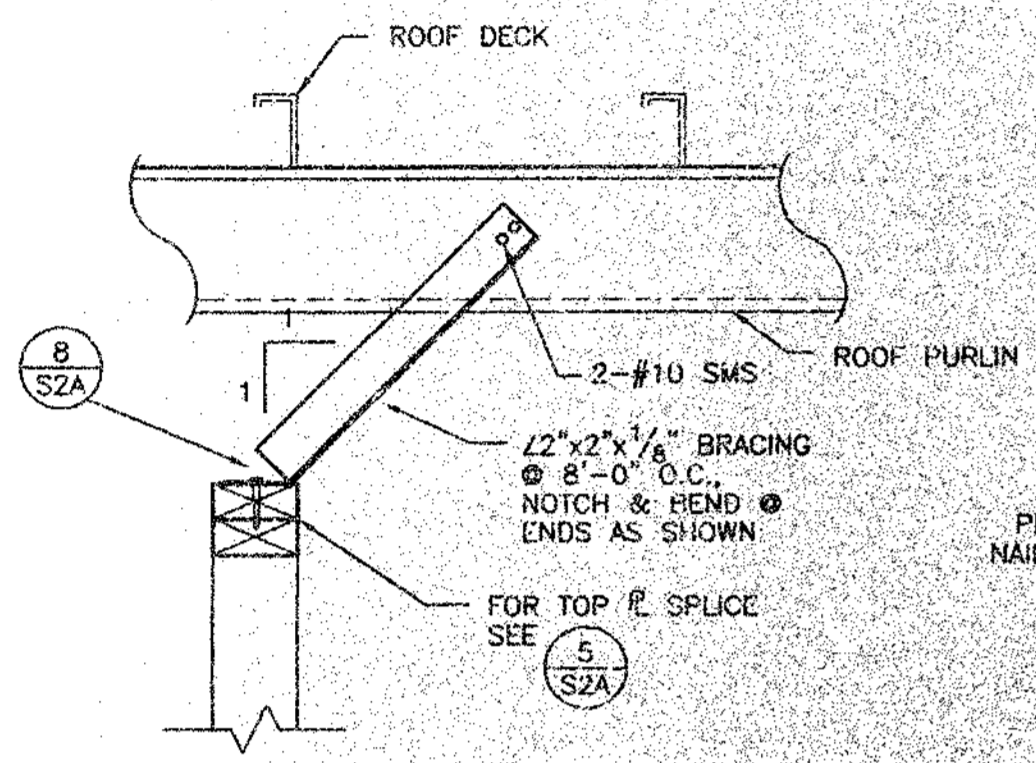
6
S2A
1 1/2" = 1'-0"



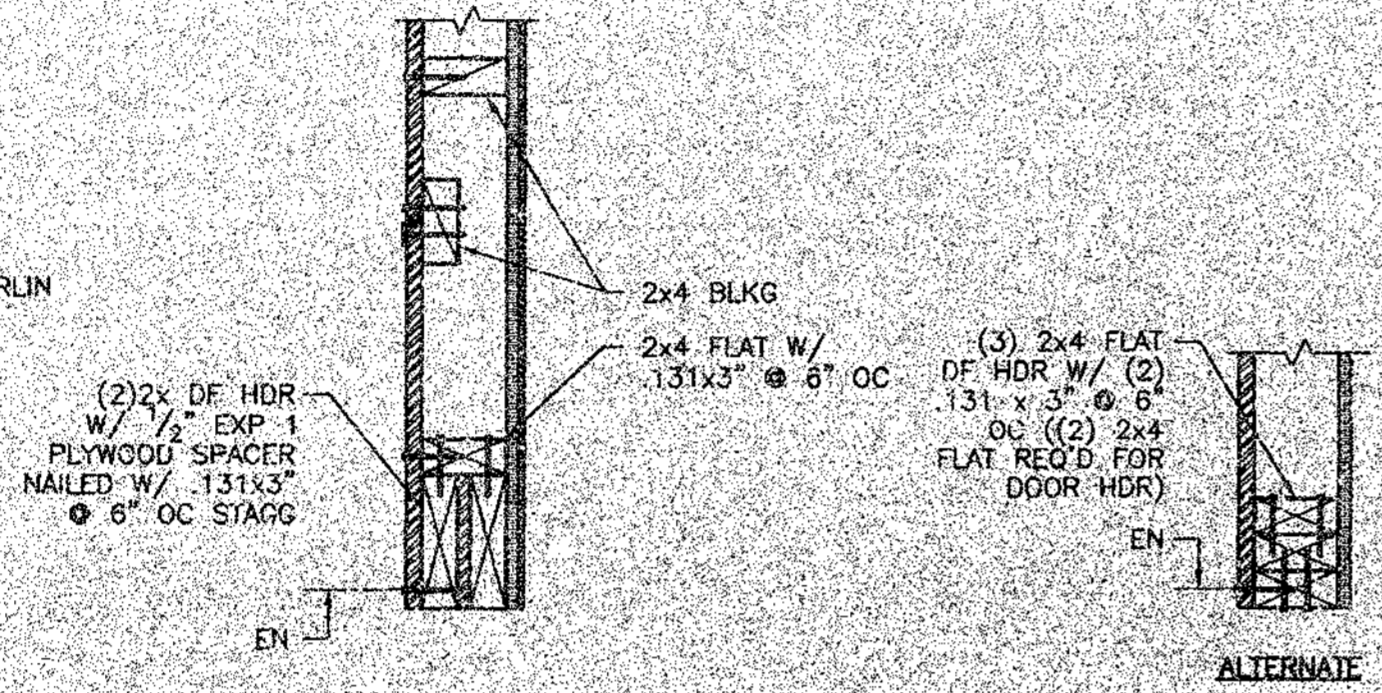
3
S2A
1 1/2" = 1'-0"



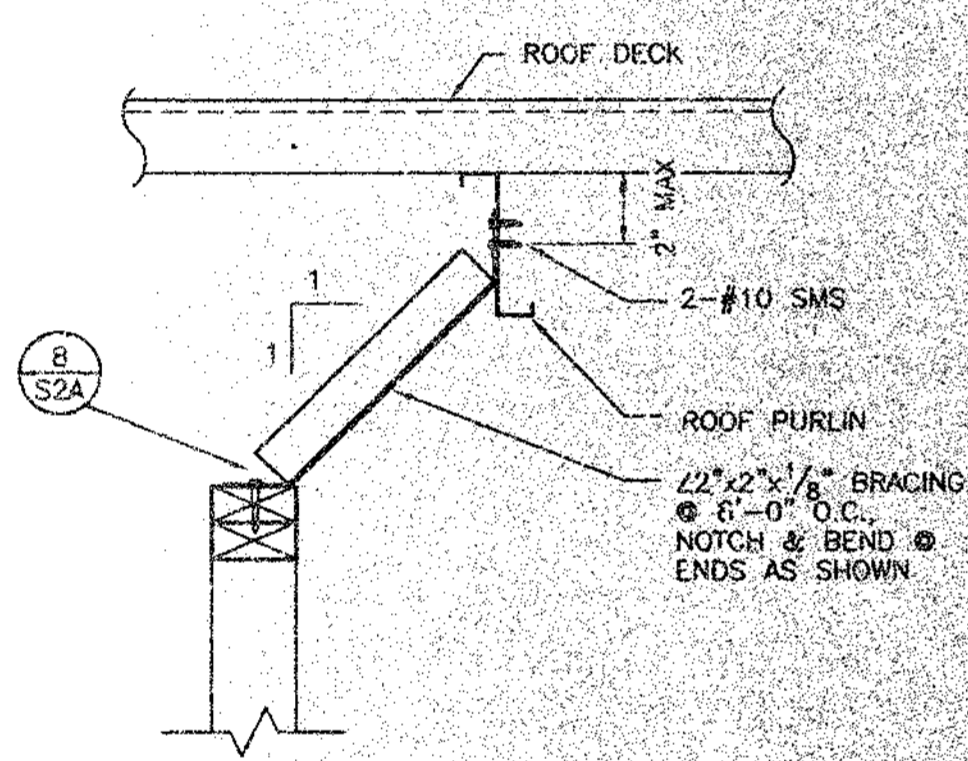
A
S2A
3/8" = 1'-0"



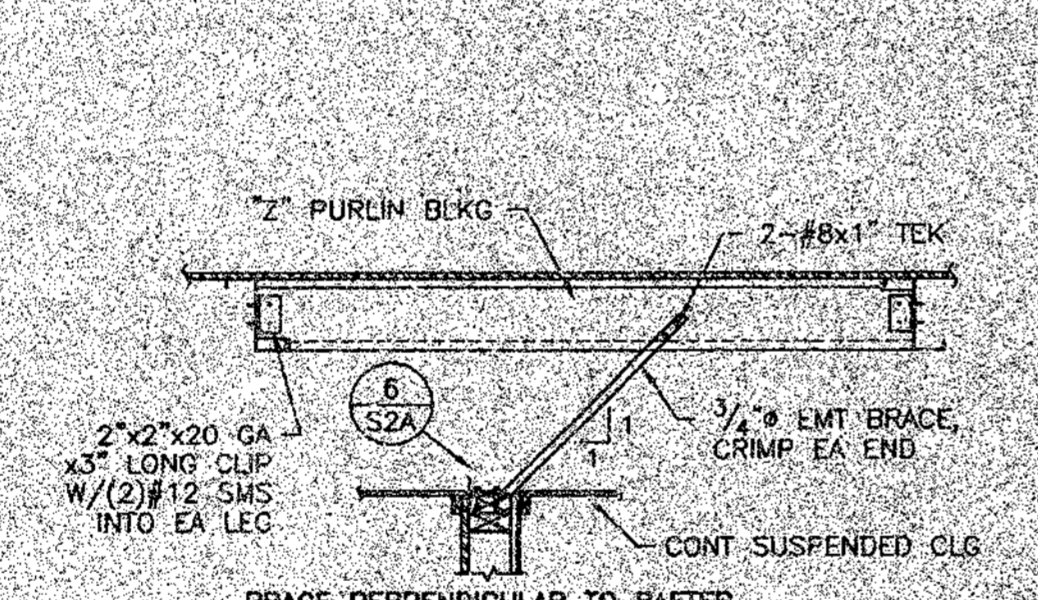
BRACE PARALLEL TO PURLINS



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

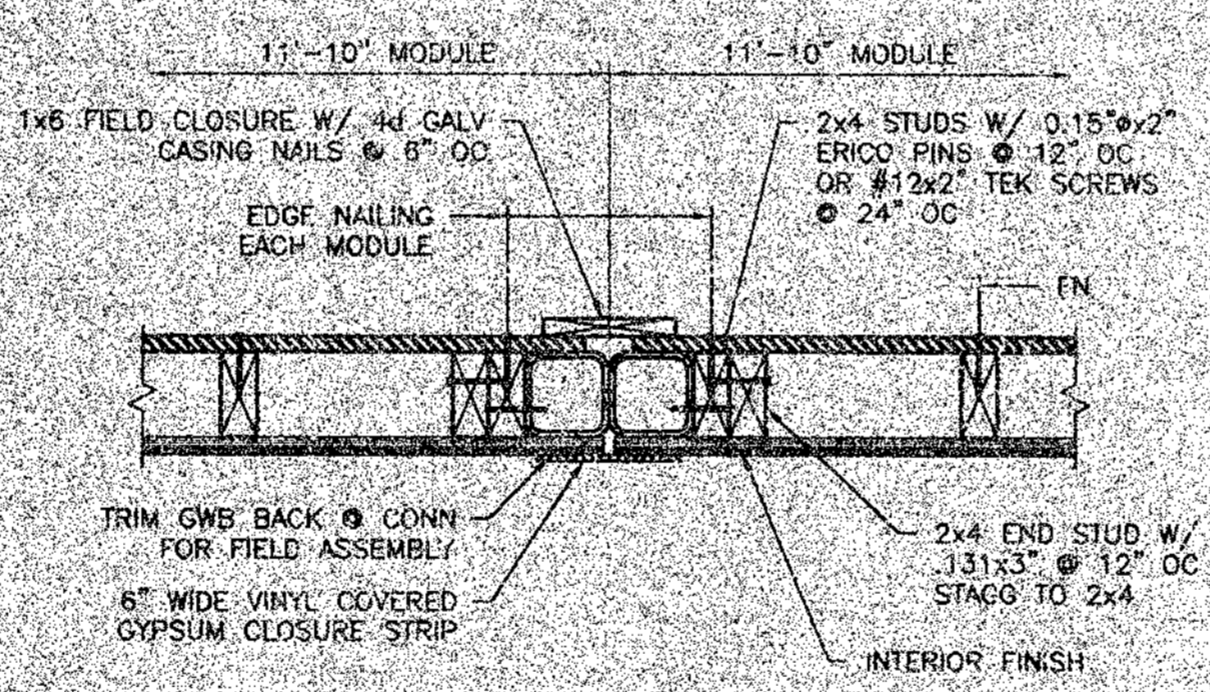


BRACE PERPENDICULAR TO PURLINS

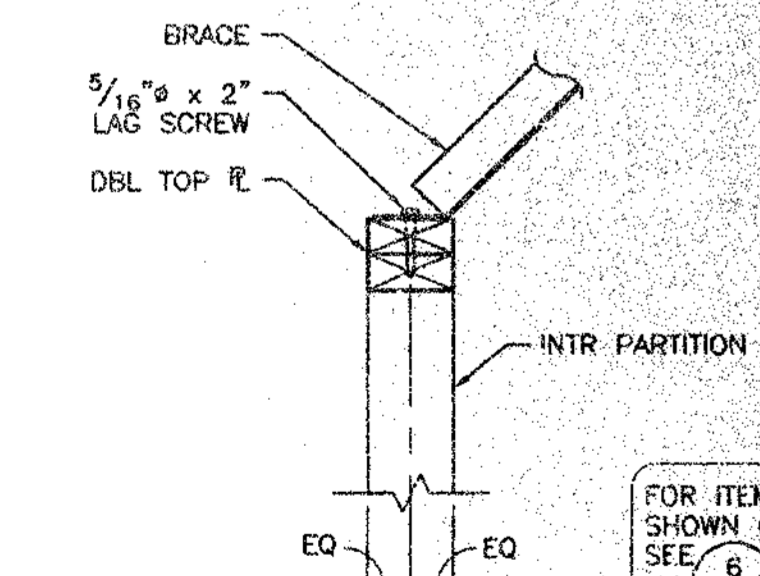


BRACE PERPENDICULAR TO RAFTER

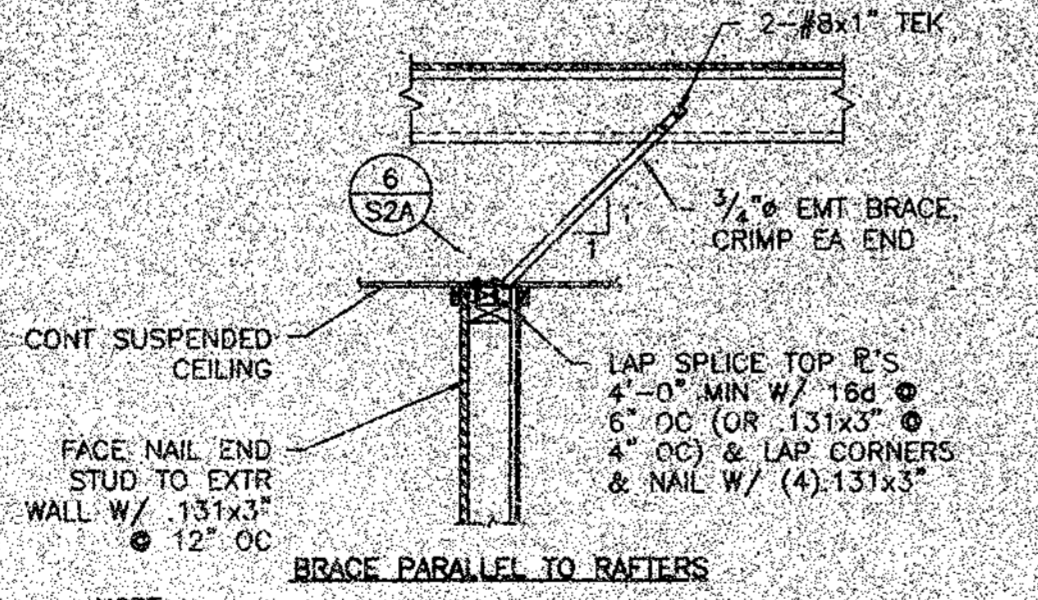
7
S2A
1 1/2" = 1'-0"



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



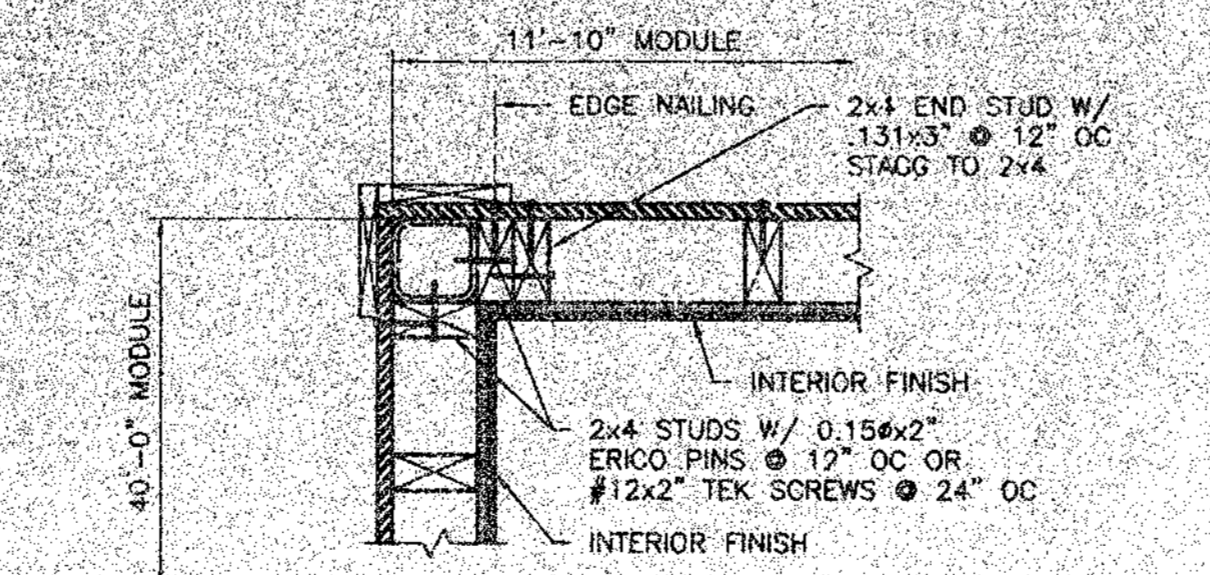
8
S2A
1 1/2" = 1'-0"



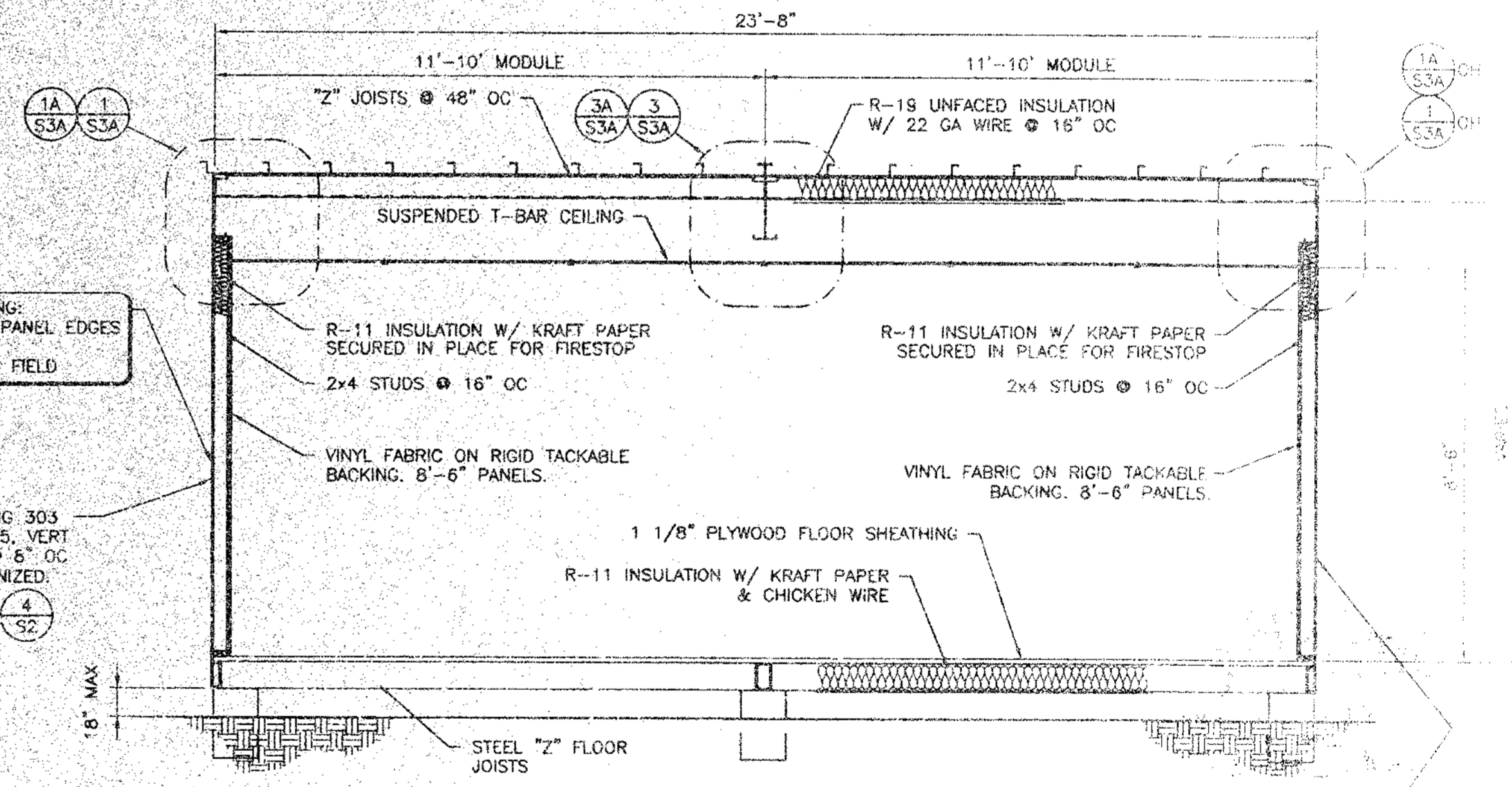
BRACE PARALLEL TO RAFTERS

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

5
S2A
NO SCALE



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



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 103457
AC [Signature]
DATE 7/1/2000

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101837
AC [Signature]
DATE JAN 1 2 2000



24 x 40
RELOCATABLE
CLASSROOM



CUSTOMER: _____

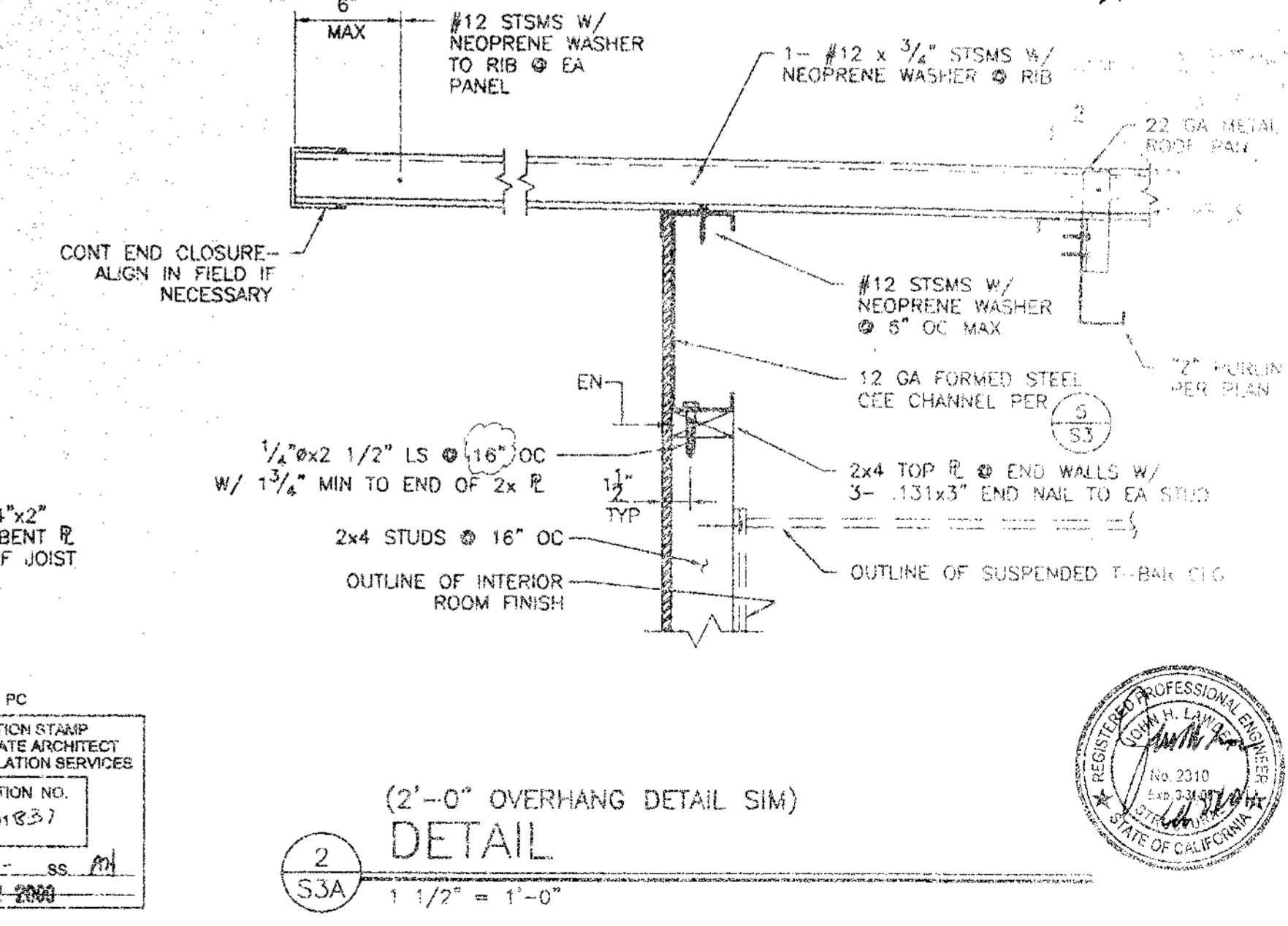
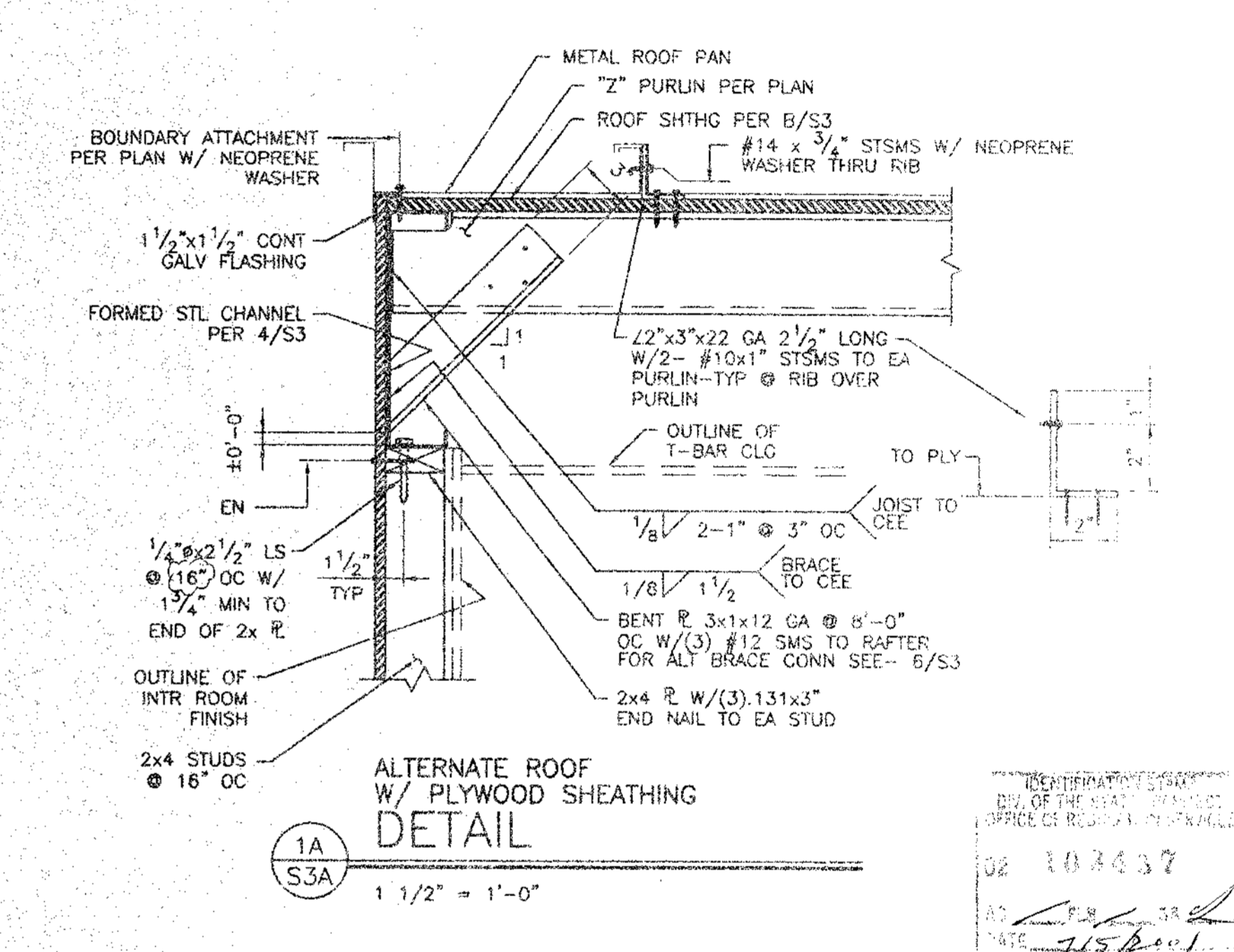
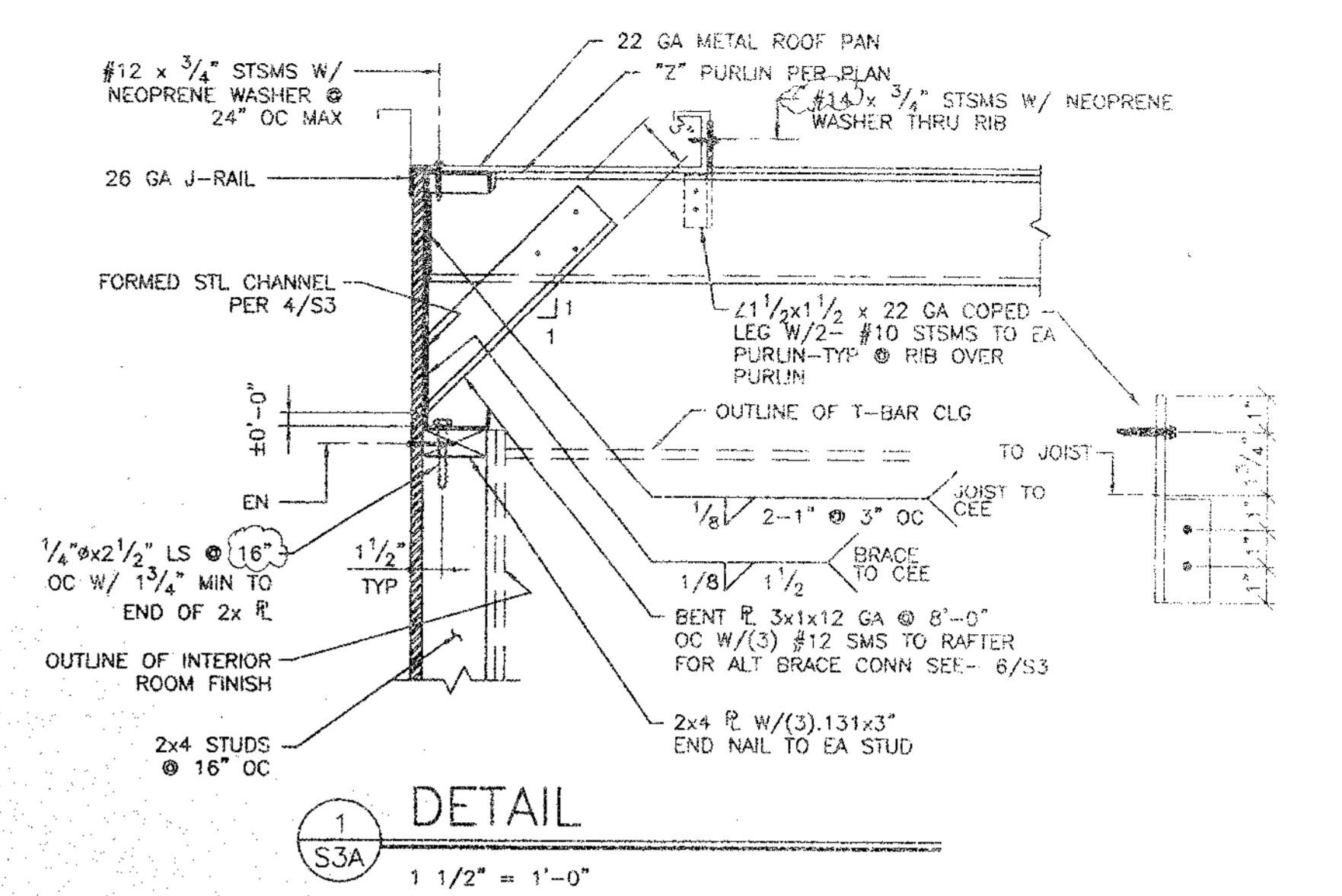
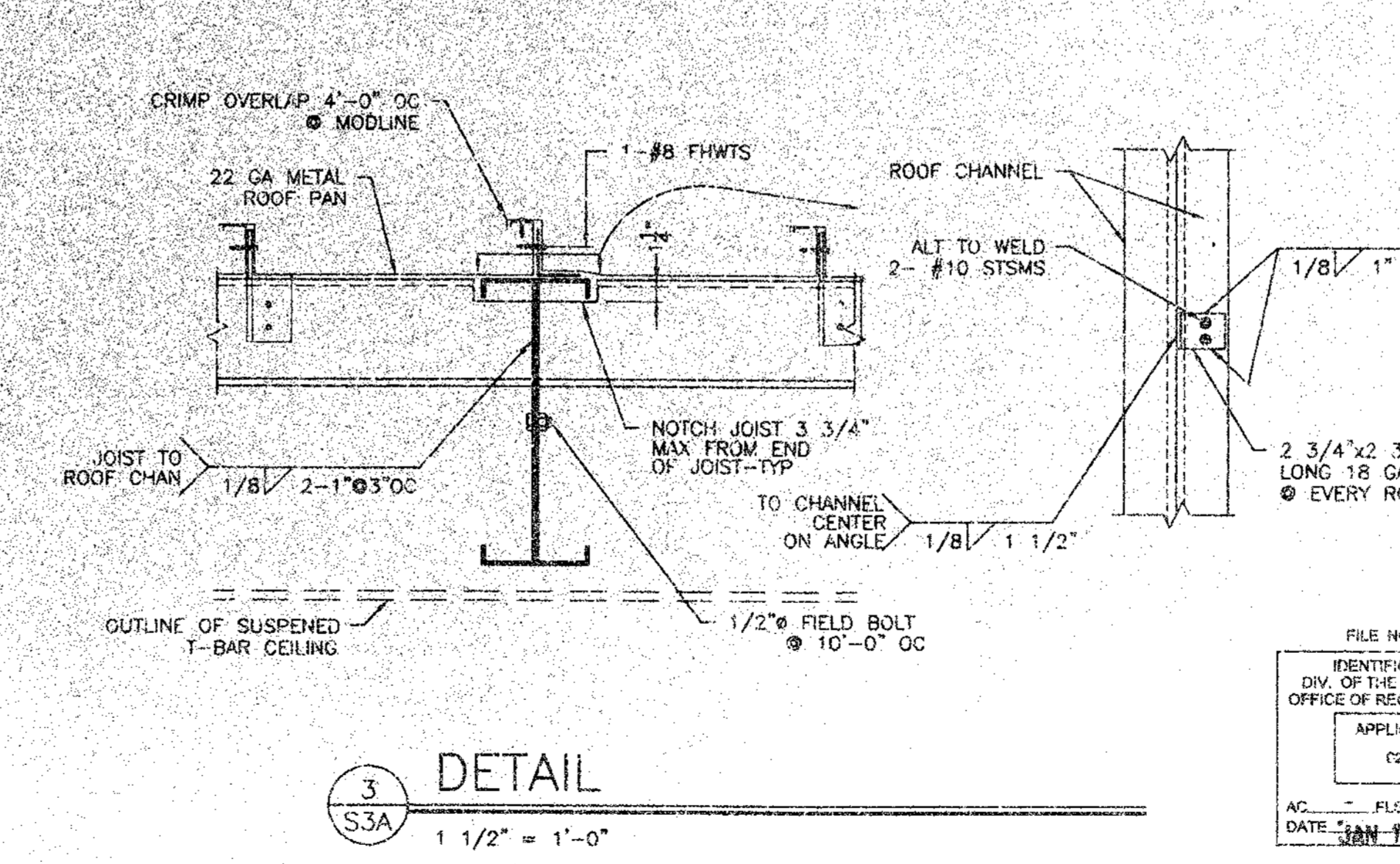
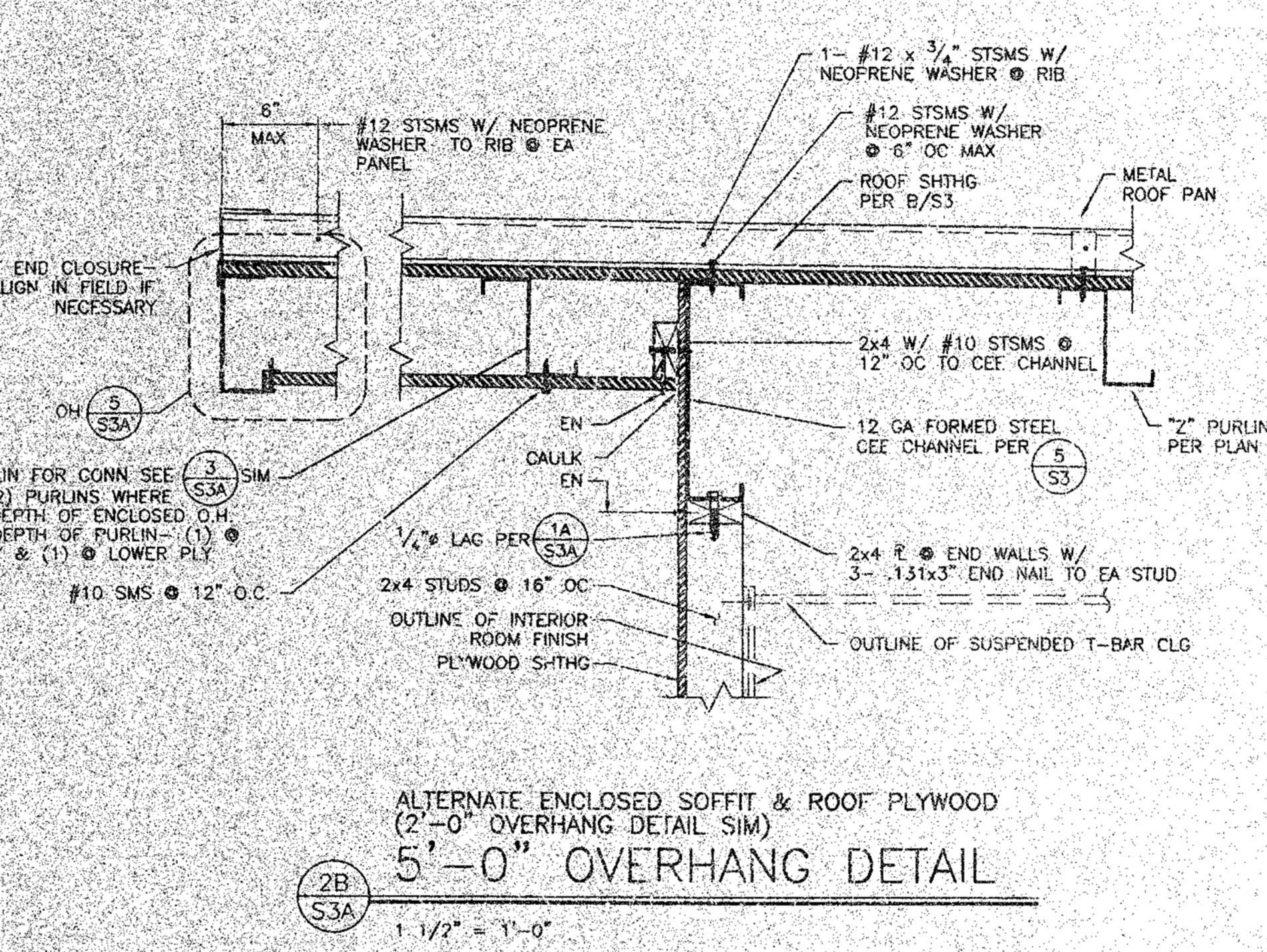
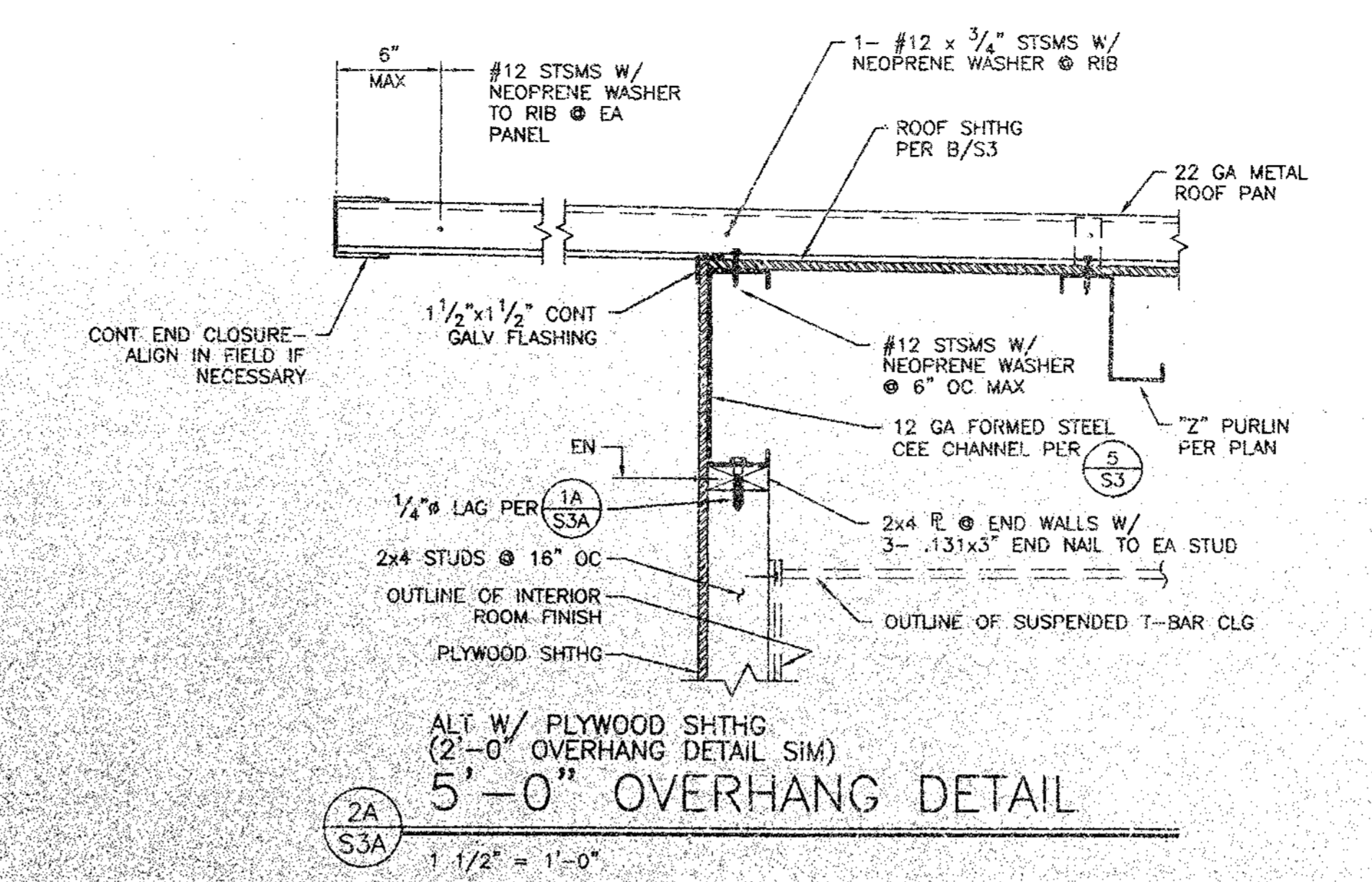
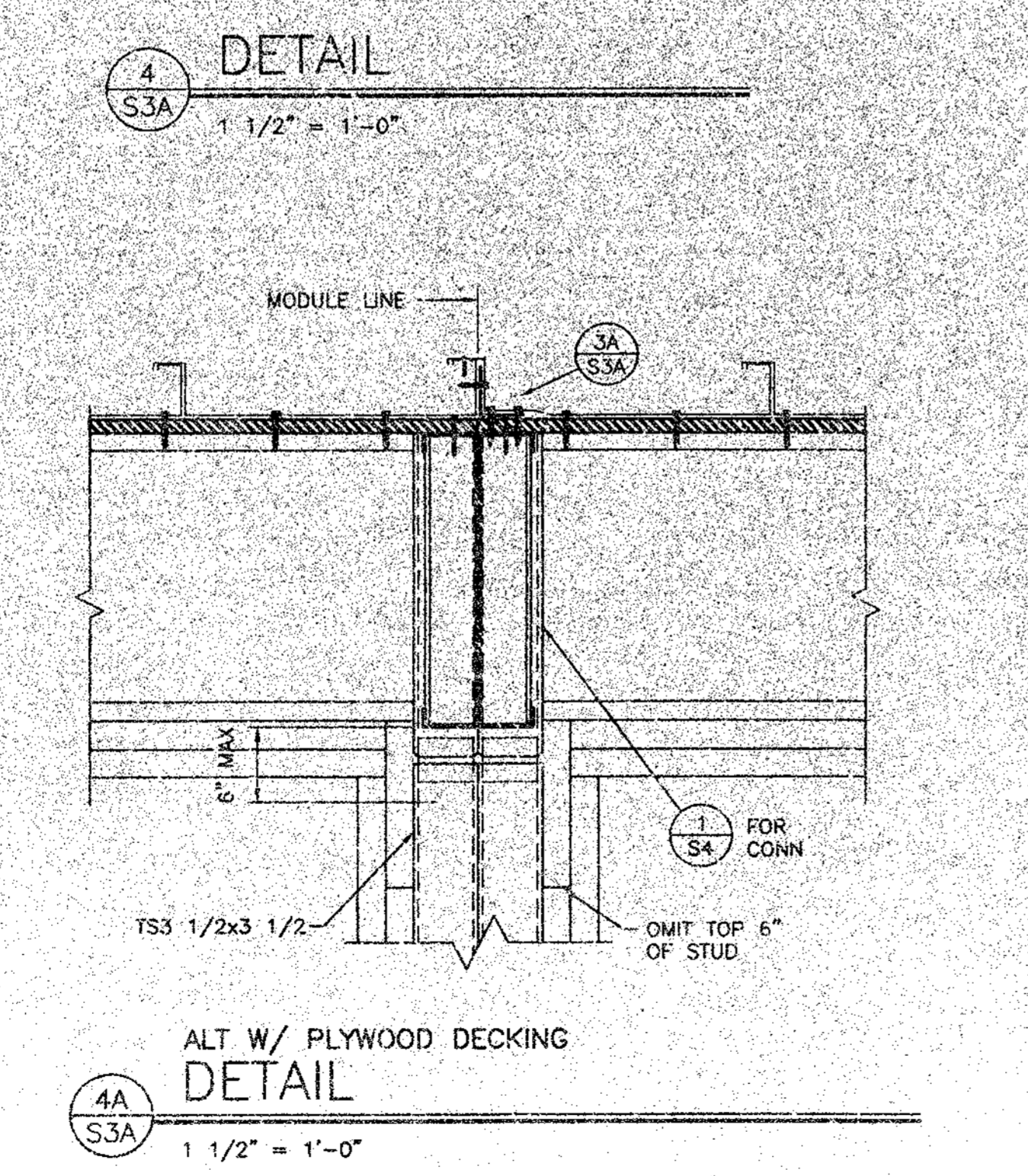
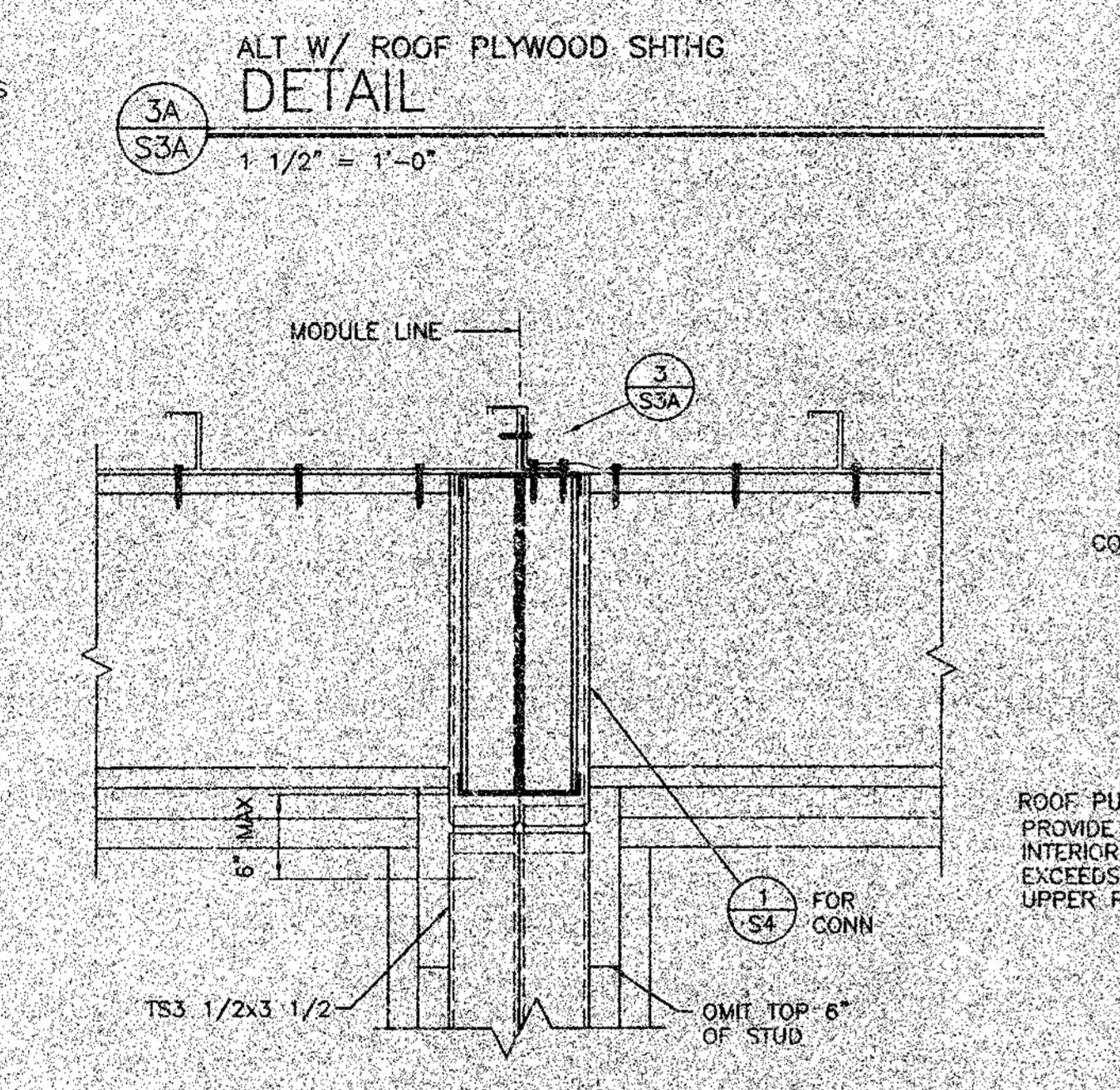
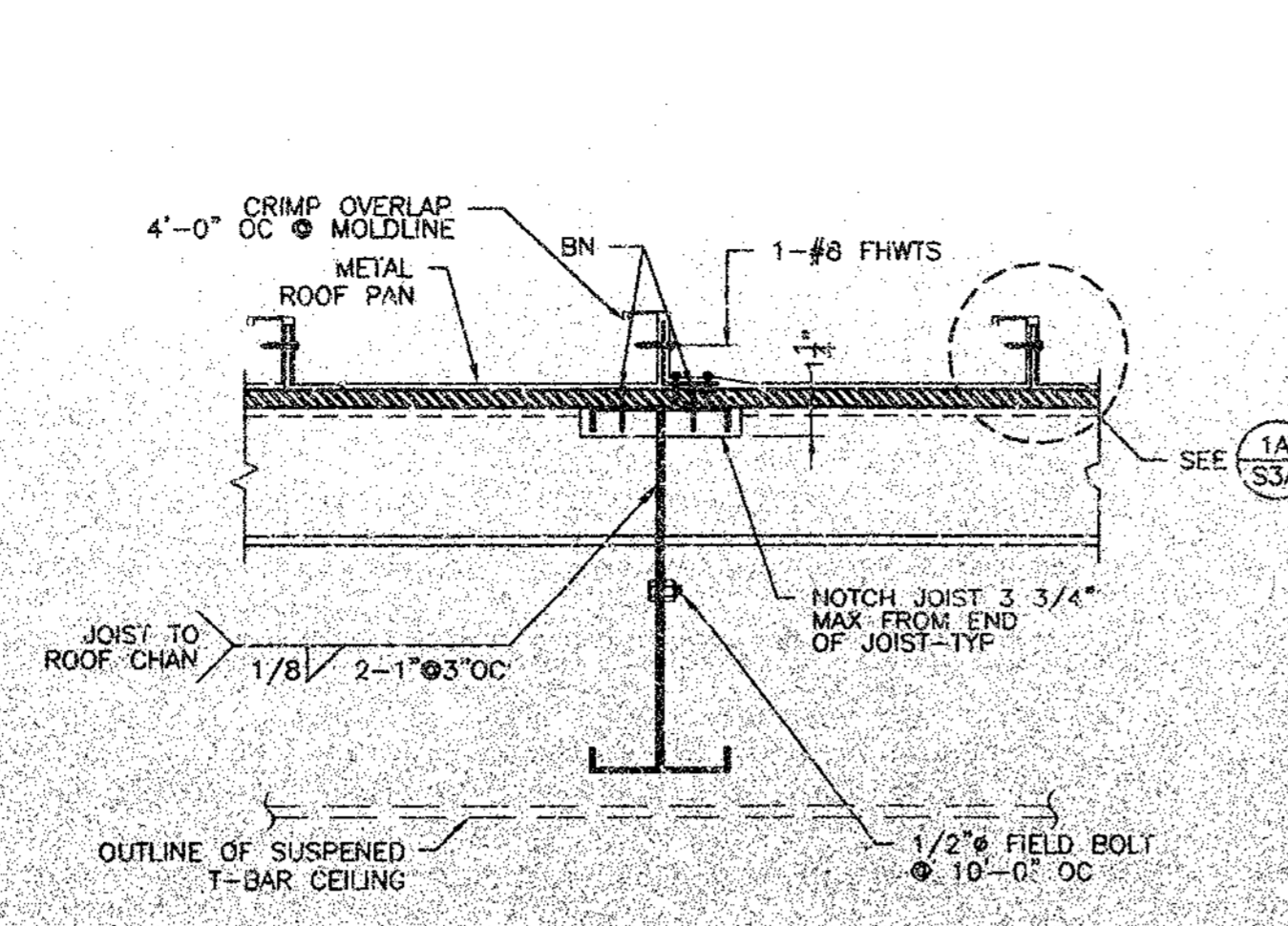
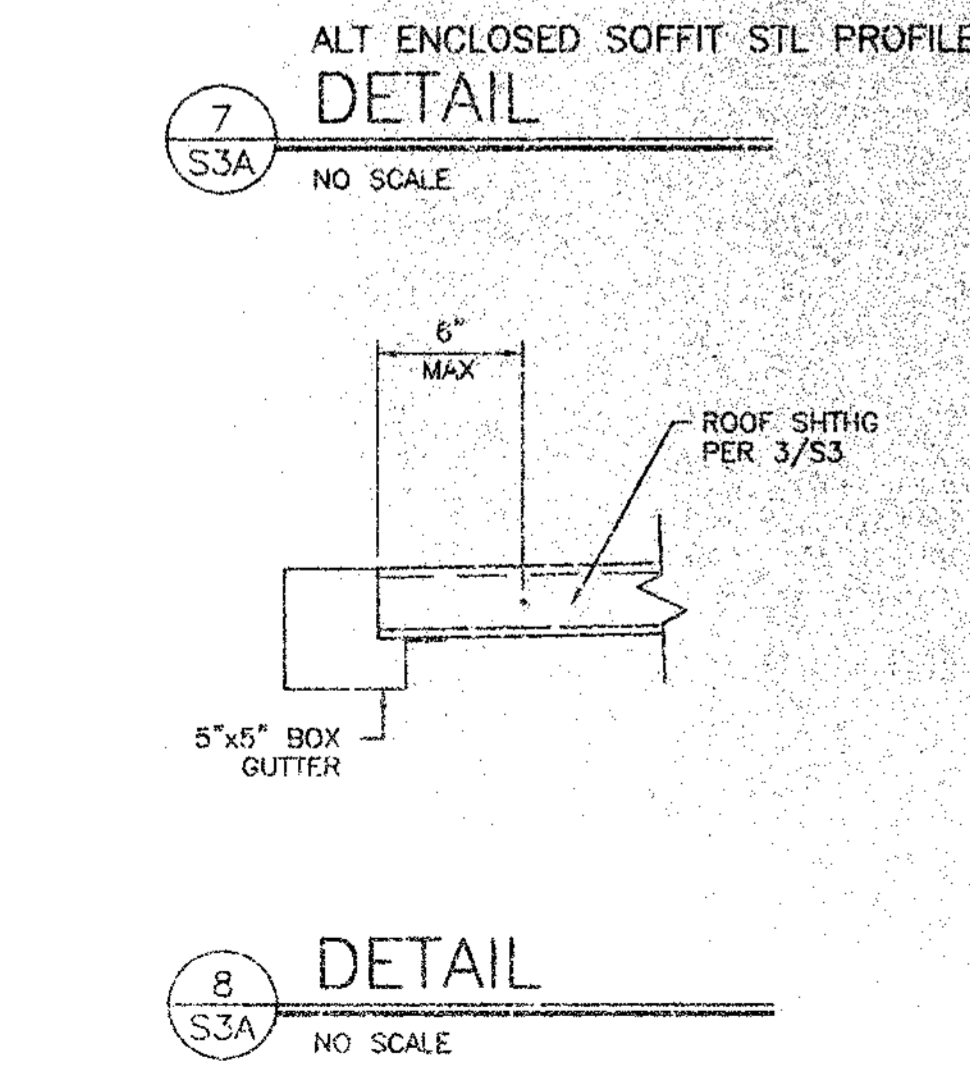
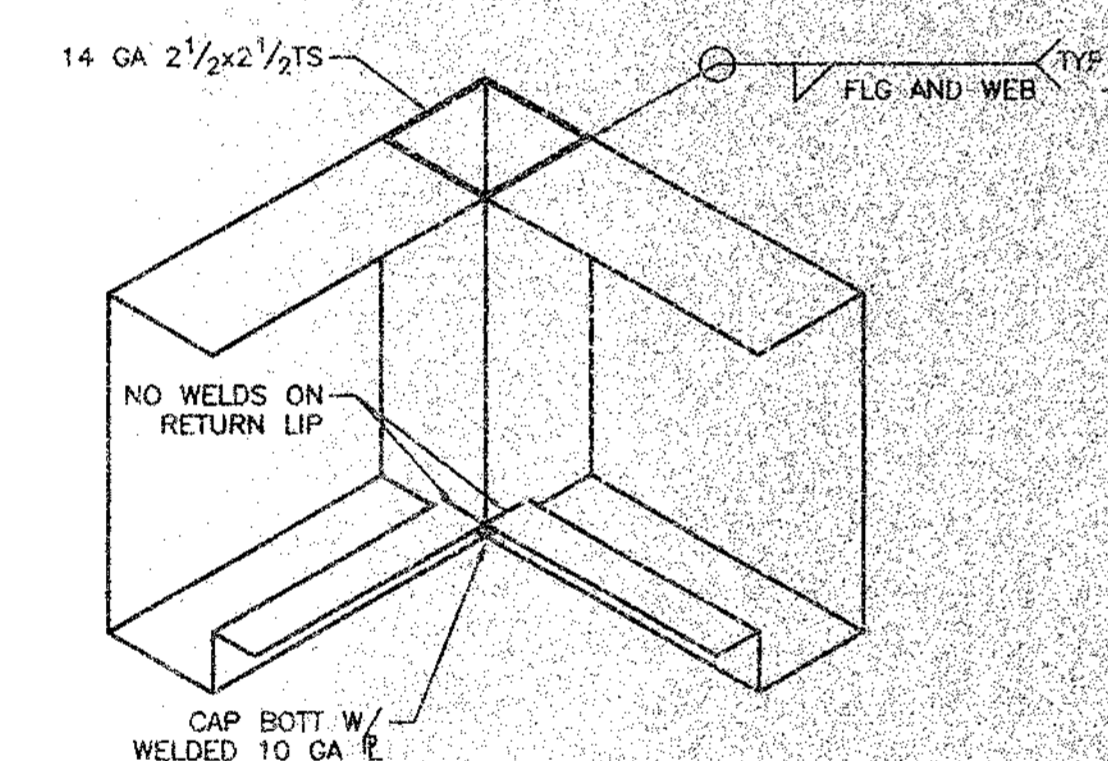
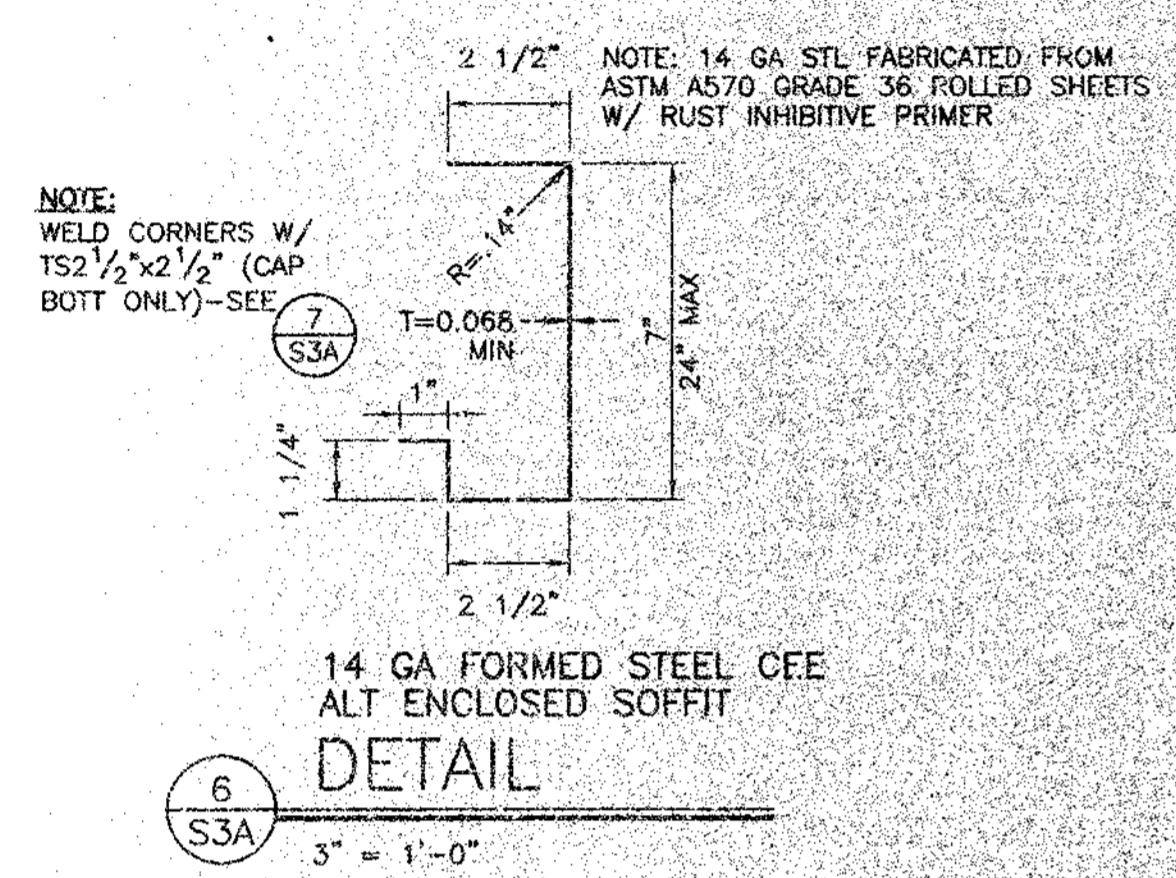
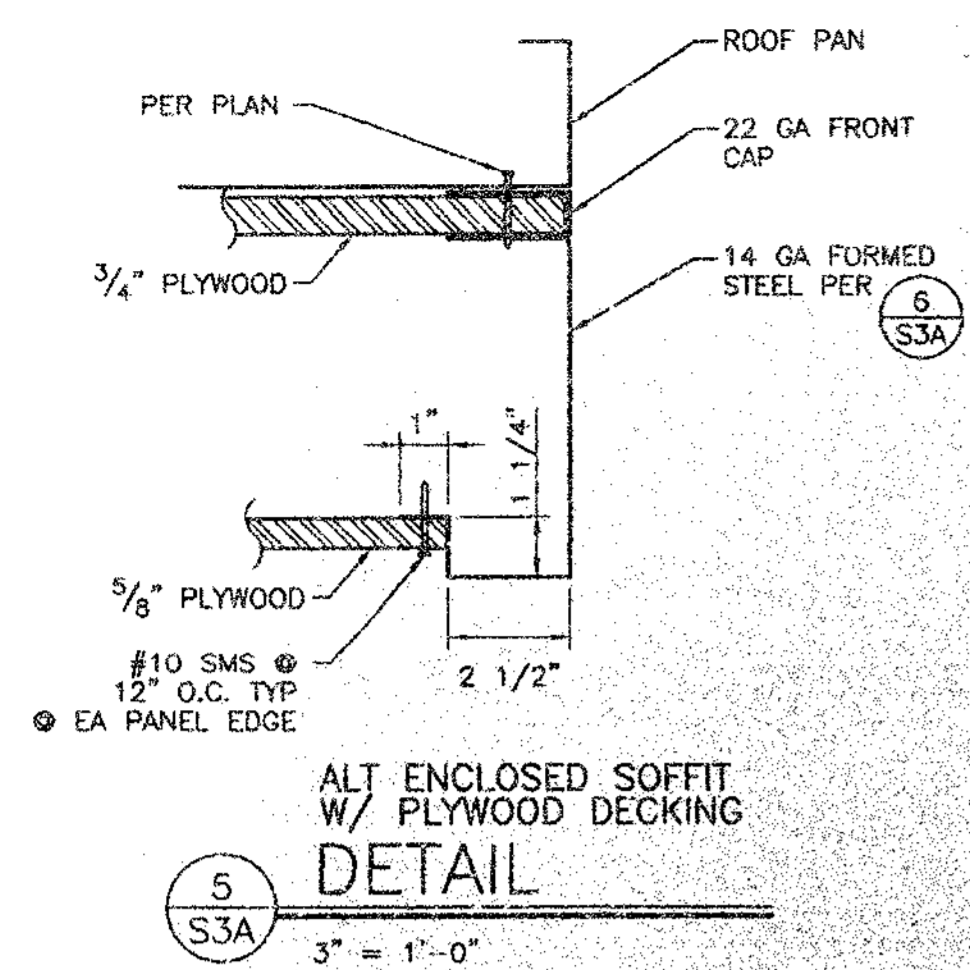
BUILDING SECTIONS
AND WALL DETAILS

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

| REVISIONS | | | | | |
|-----------|------|-------------|----|------|-------------|
| NO | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
| | | | | | |
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PROJECT NO.
99100
SHEET NO.
S2A

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FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-101-037
AC - PLG - SS - PL
DATE - JAN - 2 - 2000



24 x 40
RELOCATABLE
CLASSROOM



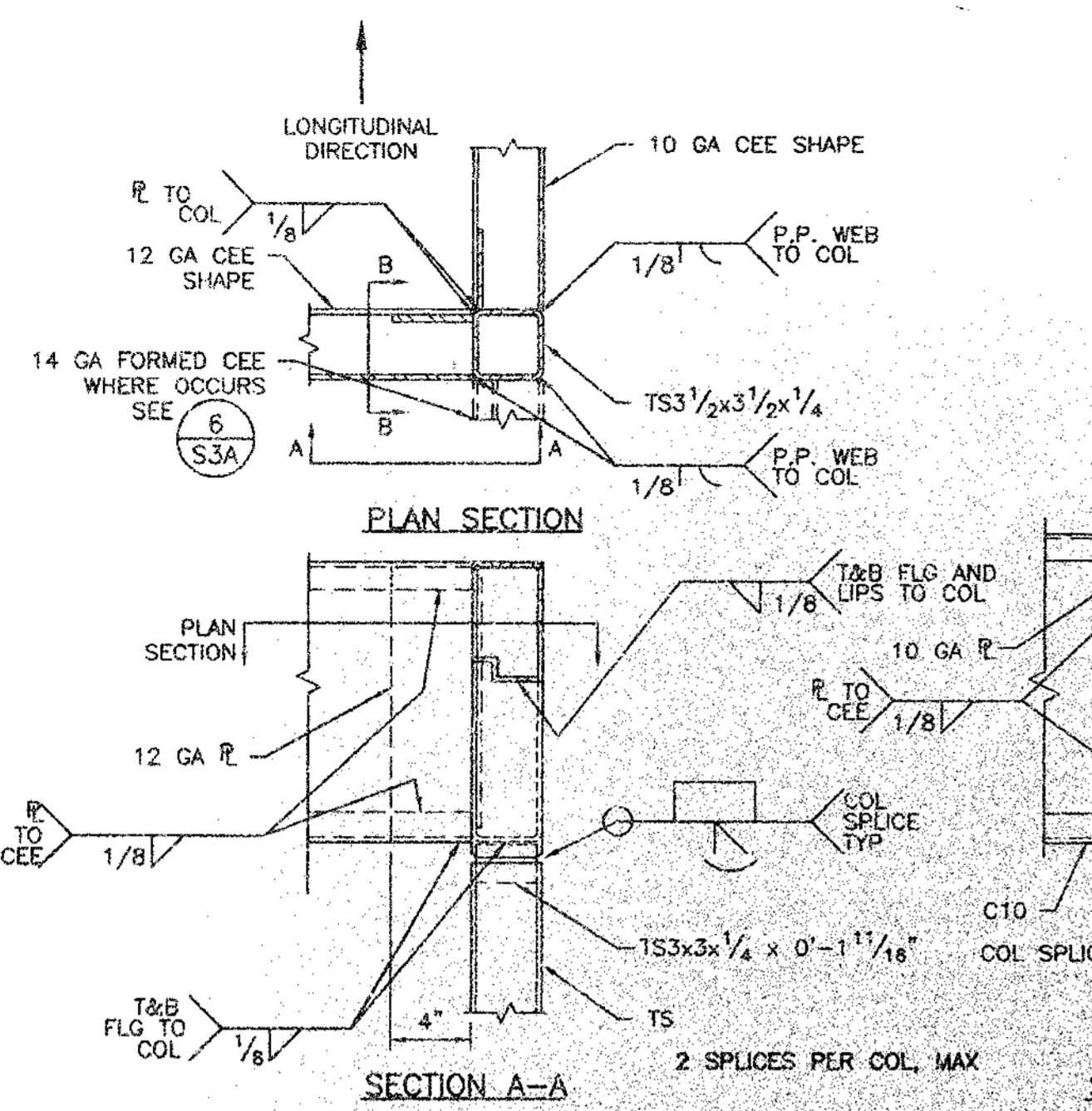
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DATE: 12/27/99
SCALE: AS NOTED
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DESIGNED BY: MGB
CHECKED BY: KAL
SERIAL NO. _____

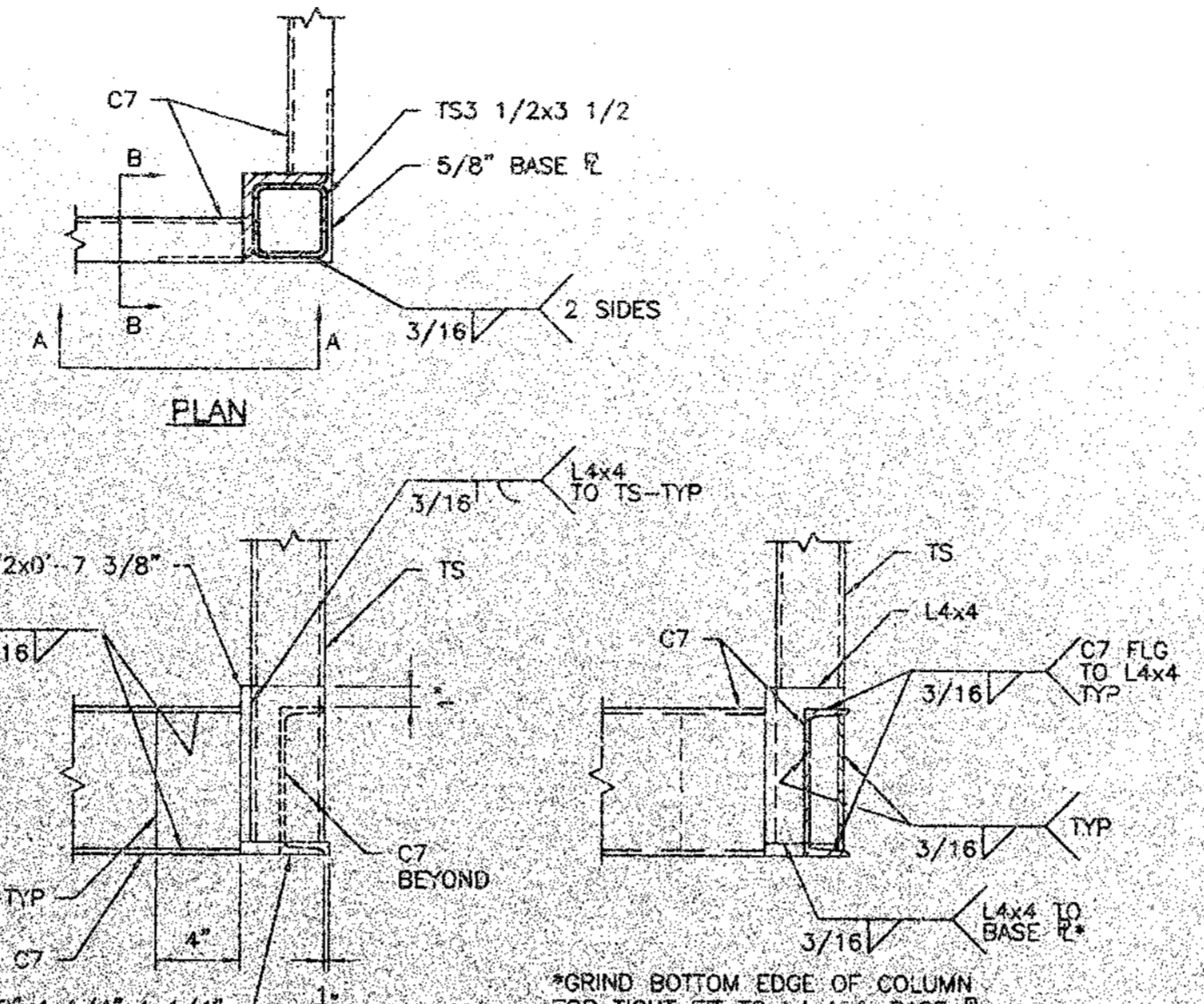
| REVISIONS | | REVISIONS | | | |
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| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
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PROJECT NO. 90100
SHEET NO. S3A

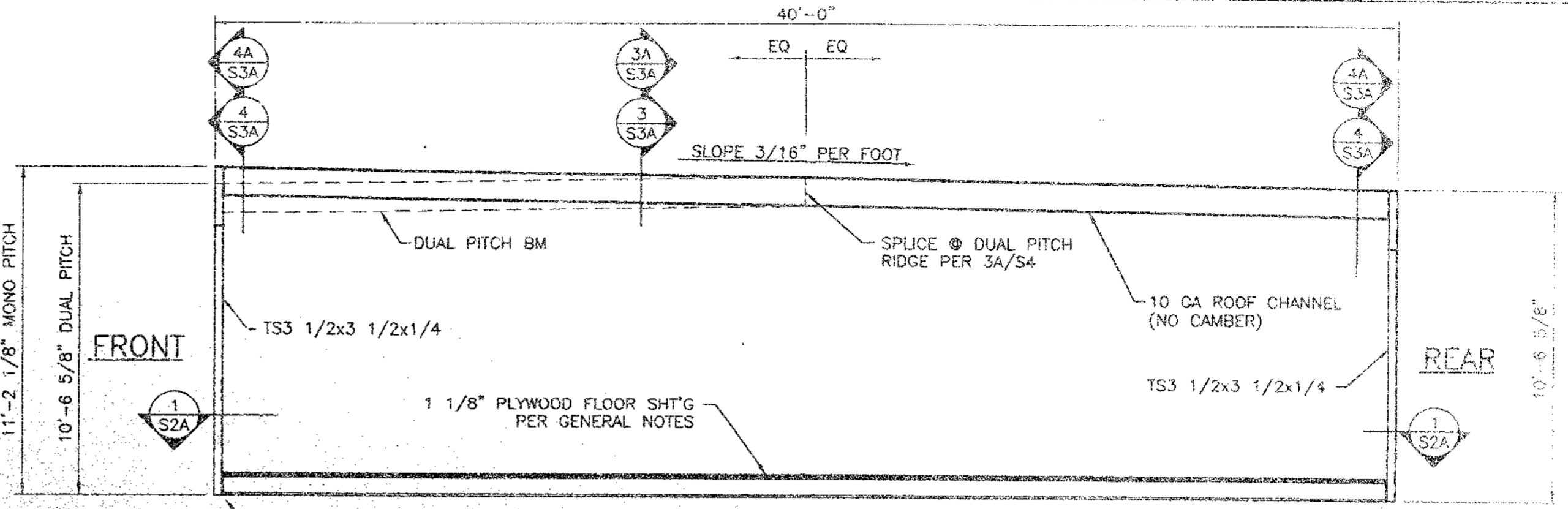
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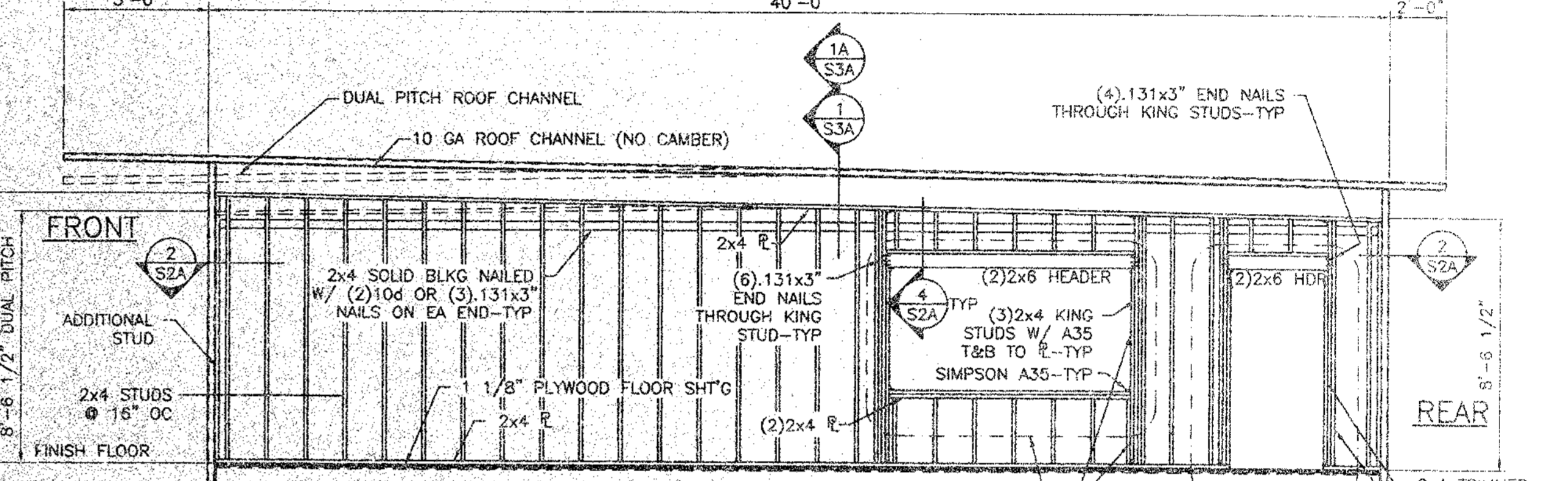
TOP CONNECTION DETAIL
 1
 S4
 1 1/2" = 1'-0"



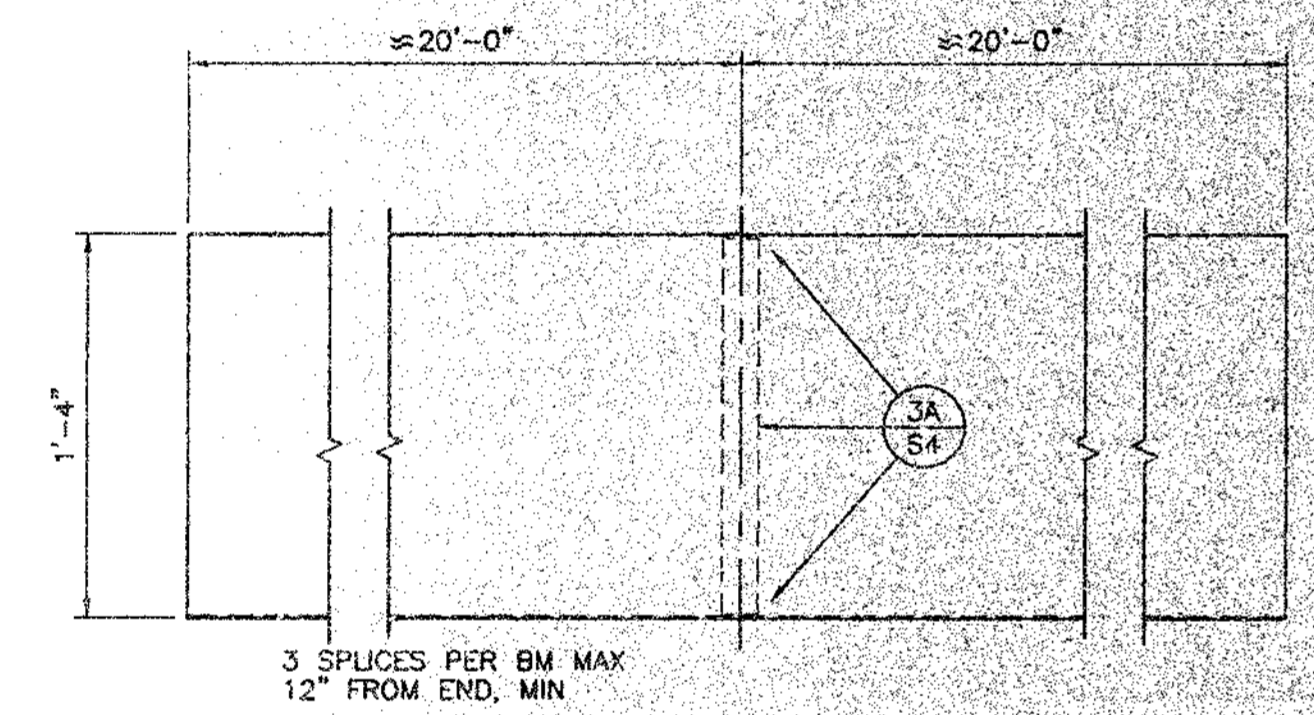
BOTTOM CONNECTION DETAIL
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 S4
 1 1/2" = 1'-0"



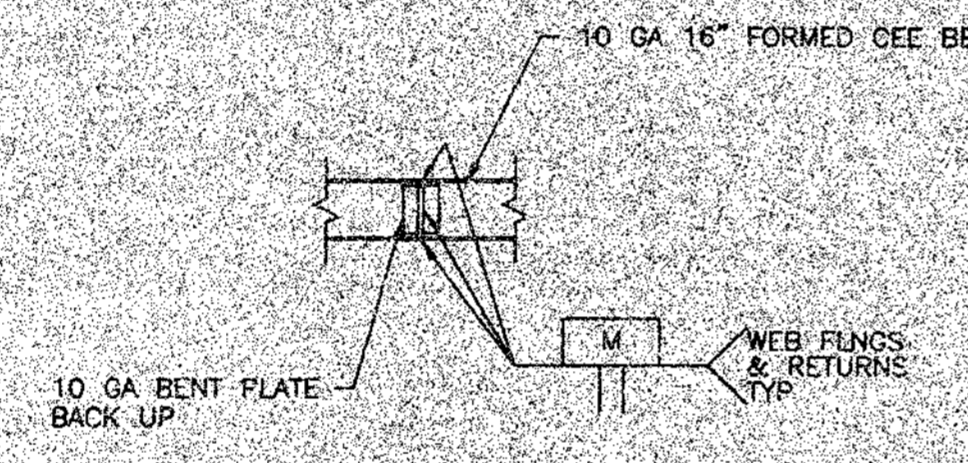
FRONT REAR MONO/DUAL PITCH FRAMING ELEVATION
 1
 S4
 1/4" = 1'-0"



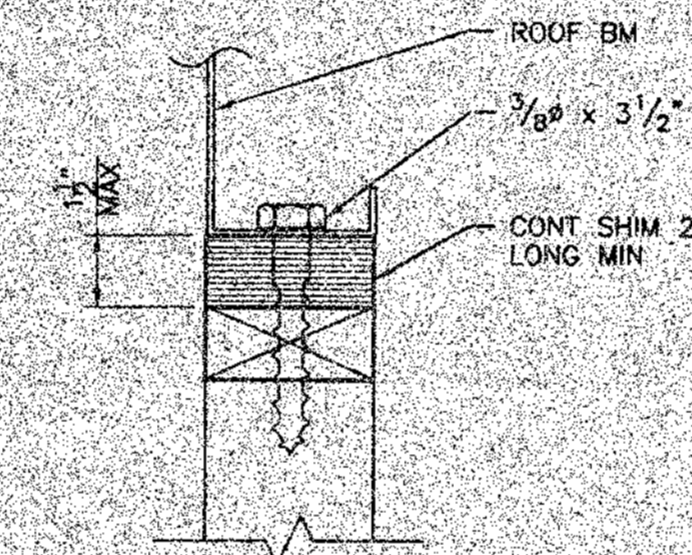
FRONT REAR MONO/DUAL PITCH FRAMING ELEVATION
 2
 S4
 1/4" = 1'-0"



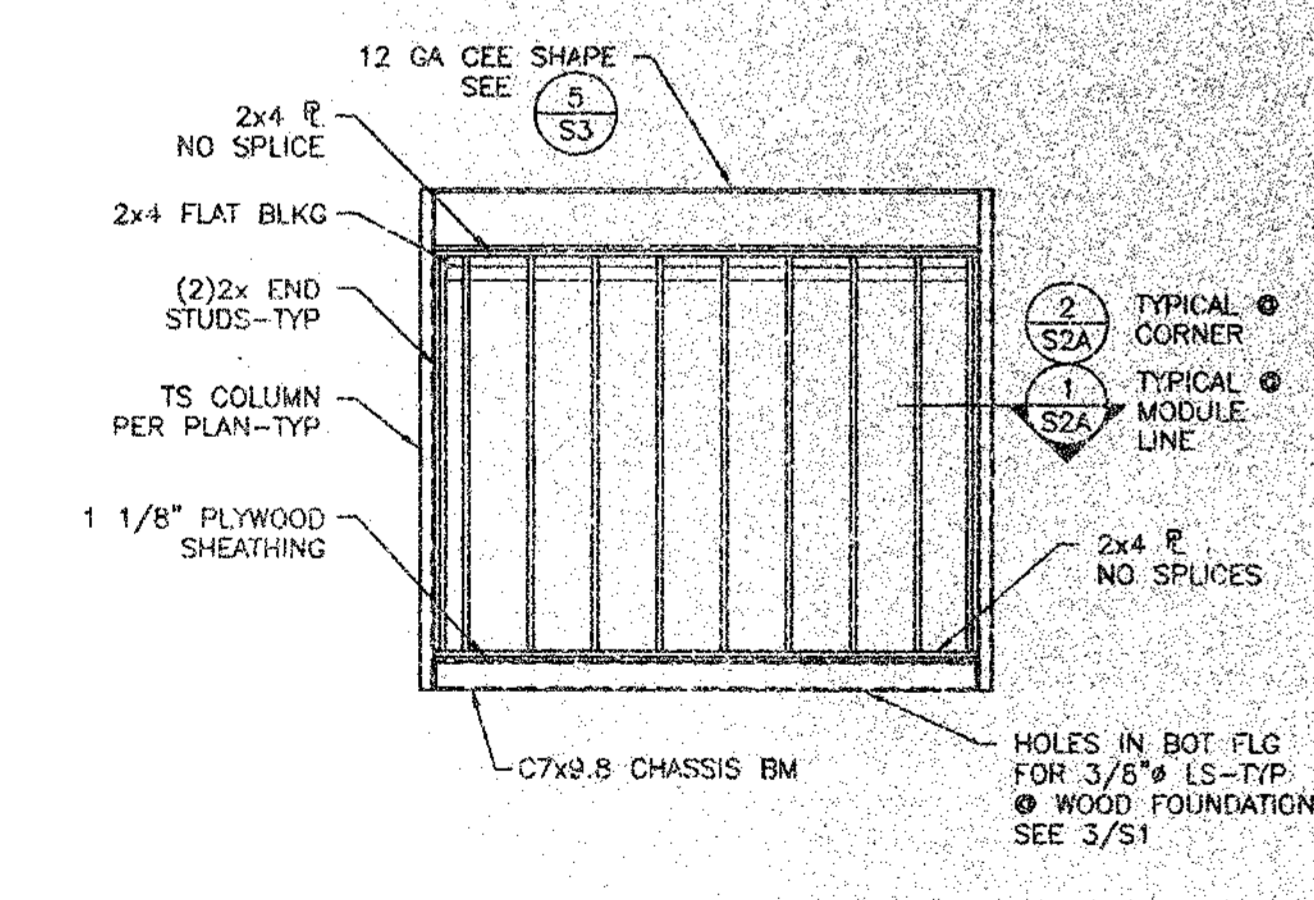
OPTIONAL BEAM SPLICE LOCATION DETAIL
 3
 S4
 1 1/2" = 1'-0"



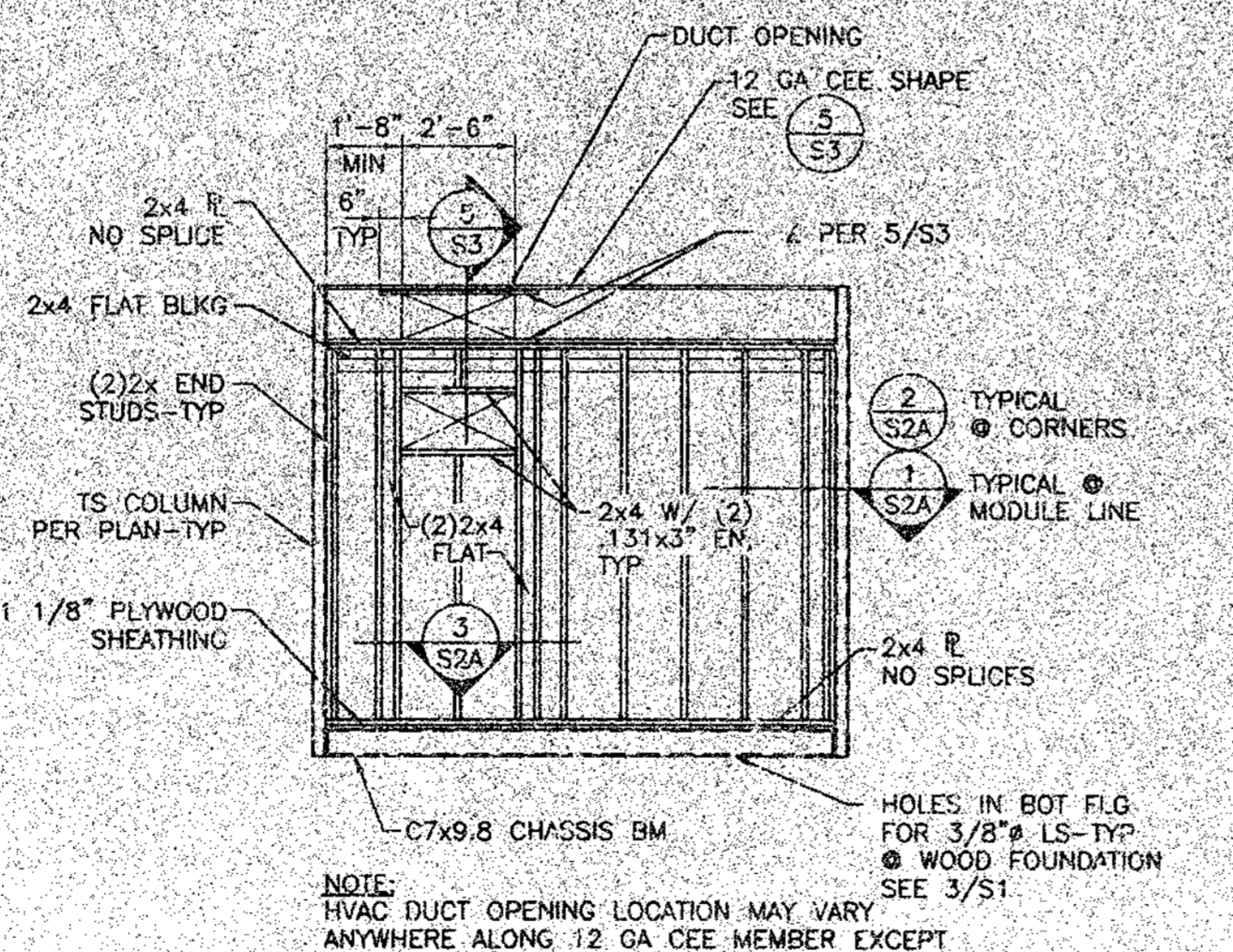
BEAM SPLICE DETAIL
 3A
 S4
 1 1/2" = 1'-0"



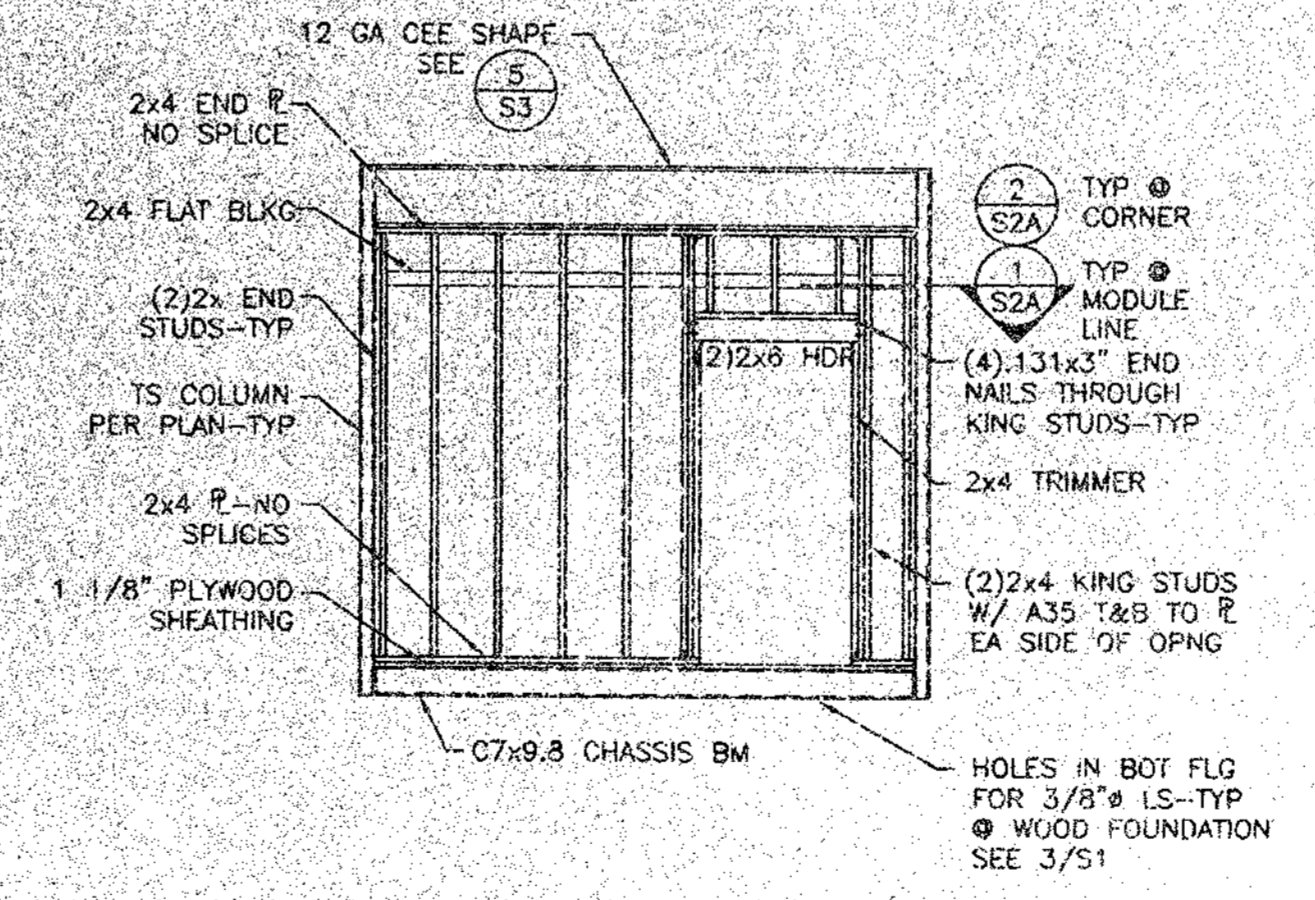
OPTIONAL SHIM @ SIDEWALL/ENDWALL SIM DETAIL
 4
 S4
 1 1/2" = 1'-0"



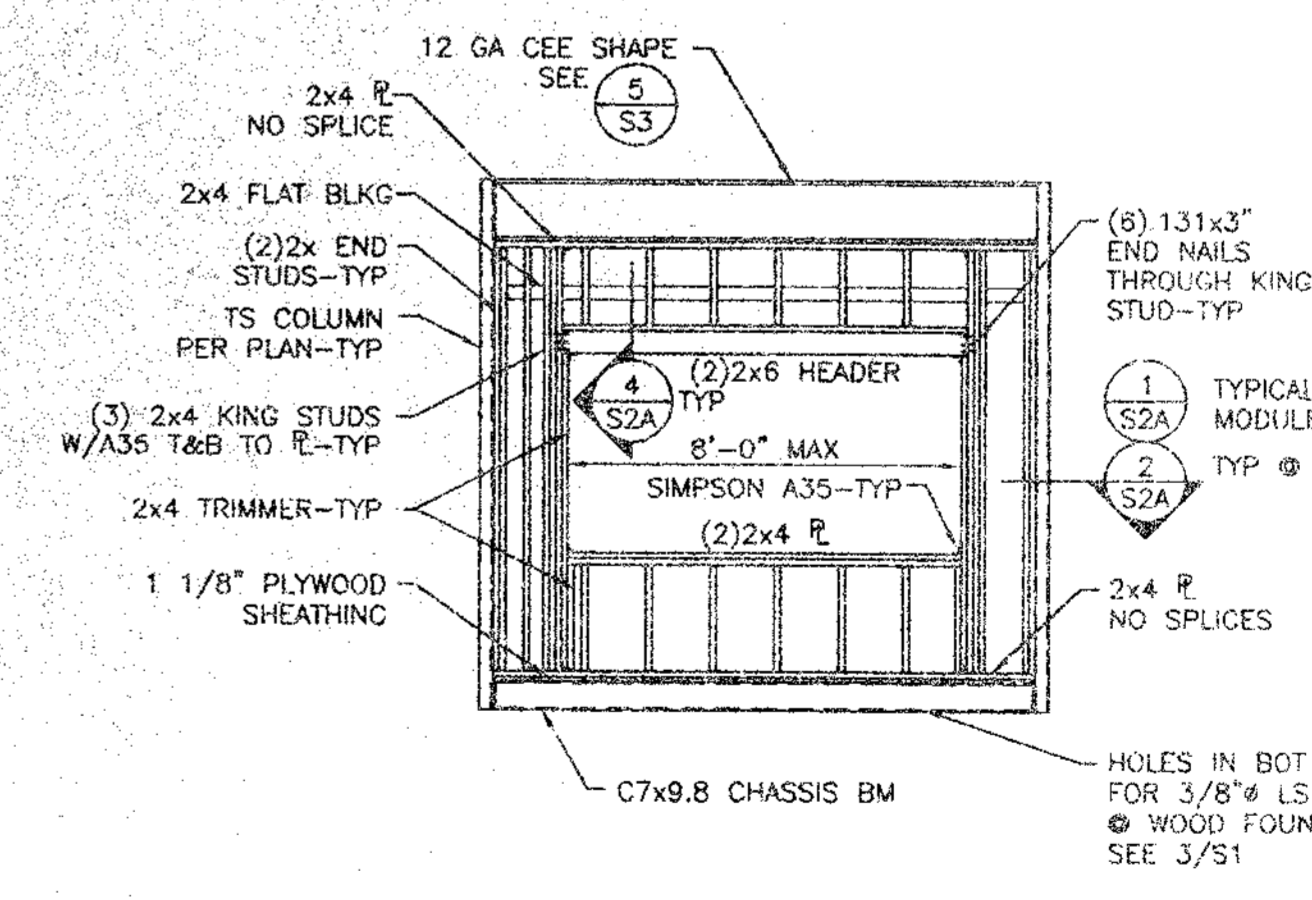
SOLID END WALL ELEVATION
 C
 S4
 1/4" = 1'-0"



HVAC END WALL ELEVATION
 D
 S4
 1/4" = 1'-0"



DOOR END WALL ELEVATION
 E
 S4
 1/4" = 1'-0"



WINDOW END WALL ELEVATION
 F
 S4
 1/2" = 1'-0"

REVISIONS
 02 103057
 DATE 7/5/01



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPLICATION NO. 00-019257
 DATE 3/21/2005

24 x 40
 RELOCATABLE
 CLASSROOM

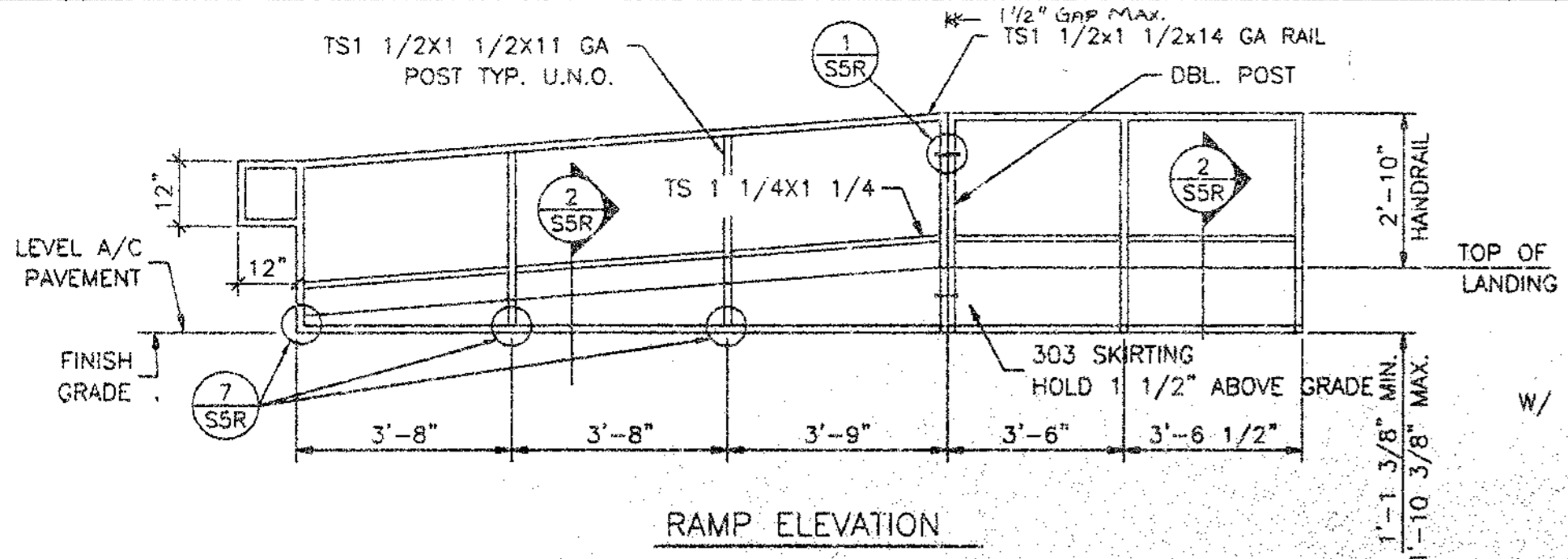


CUSTOMER: _____

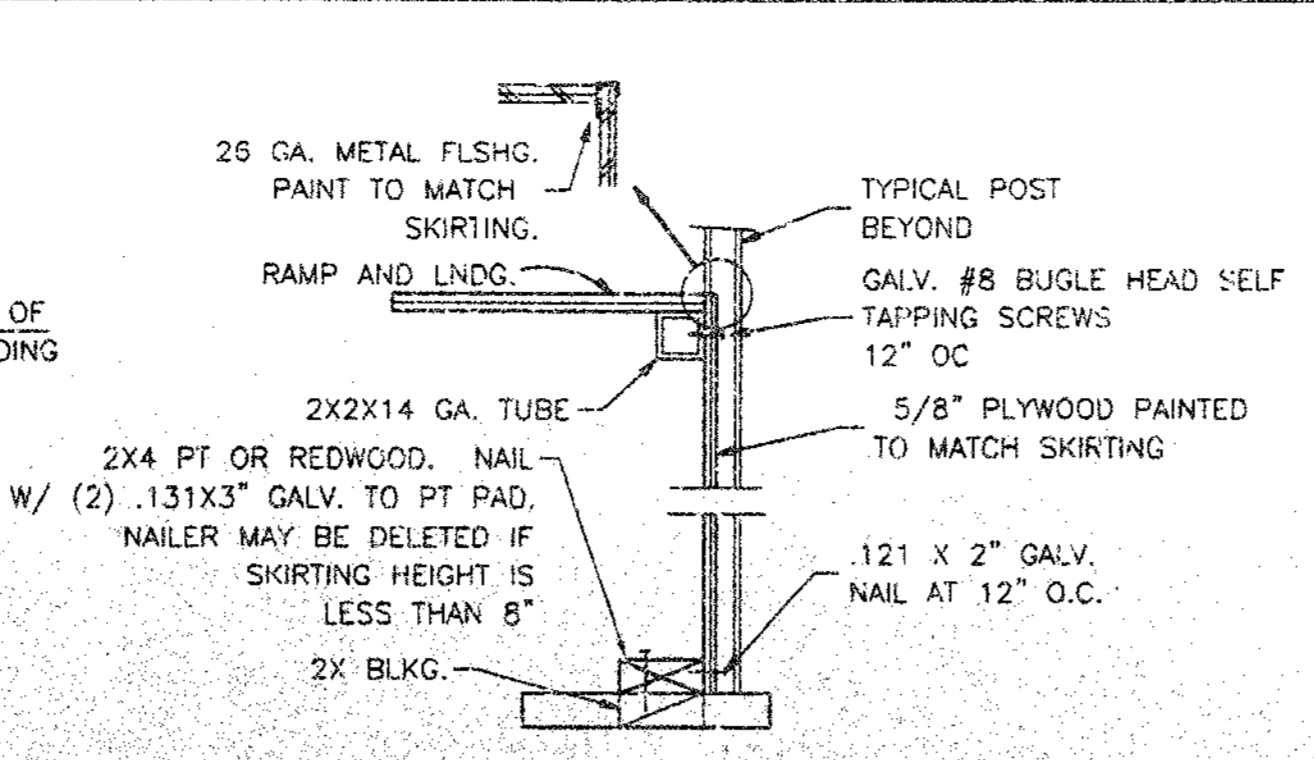
DATE: 12/27/99
 SCALE: AS NOTED
 DRAWN BY: PWD
 DESIGNED BY: MOB
 CHECKED BY: KAL
 SERIAL NO. _____

| REVISIONS | | | | | |
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| NO | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
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PROJECT NO.
 90100
 SHEET NO.
 S4

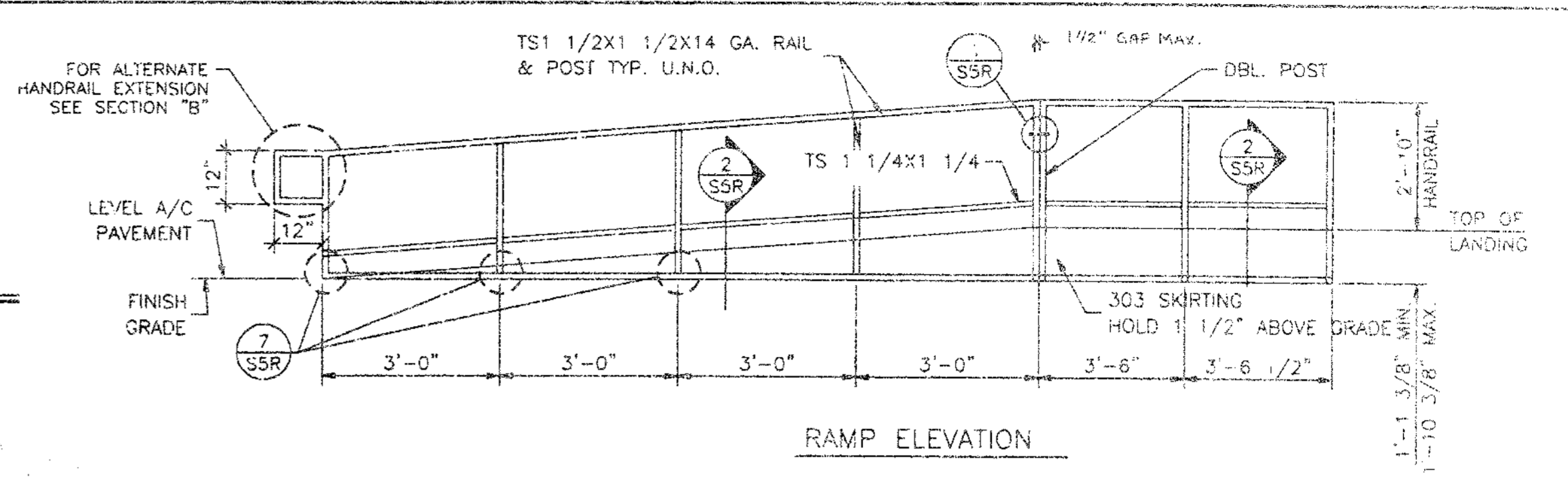


RAMP ELEVATION

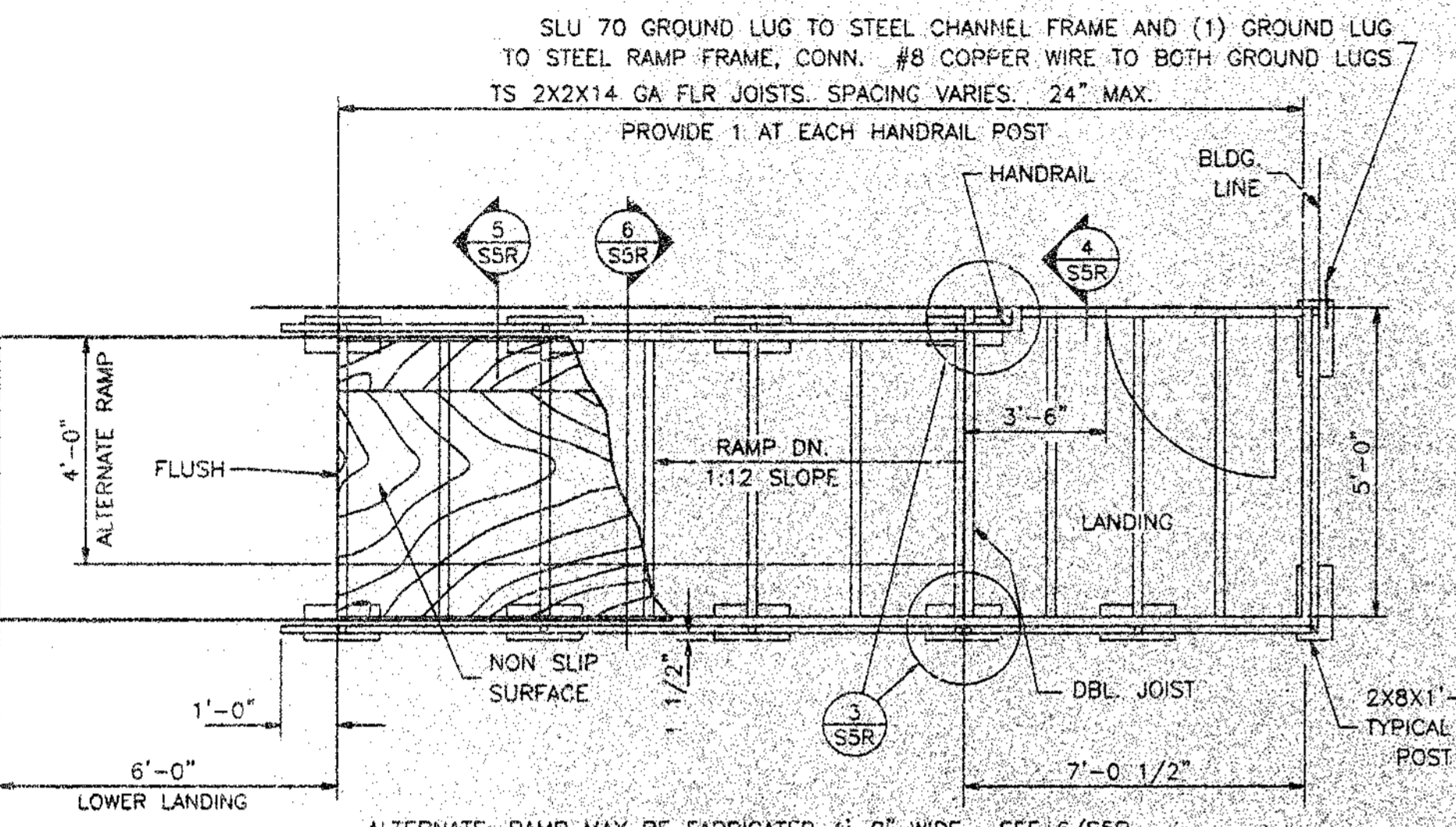


RAMP SKIRT DETAIL

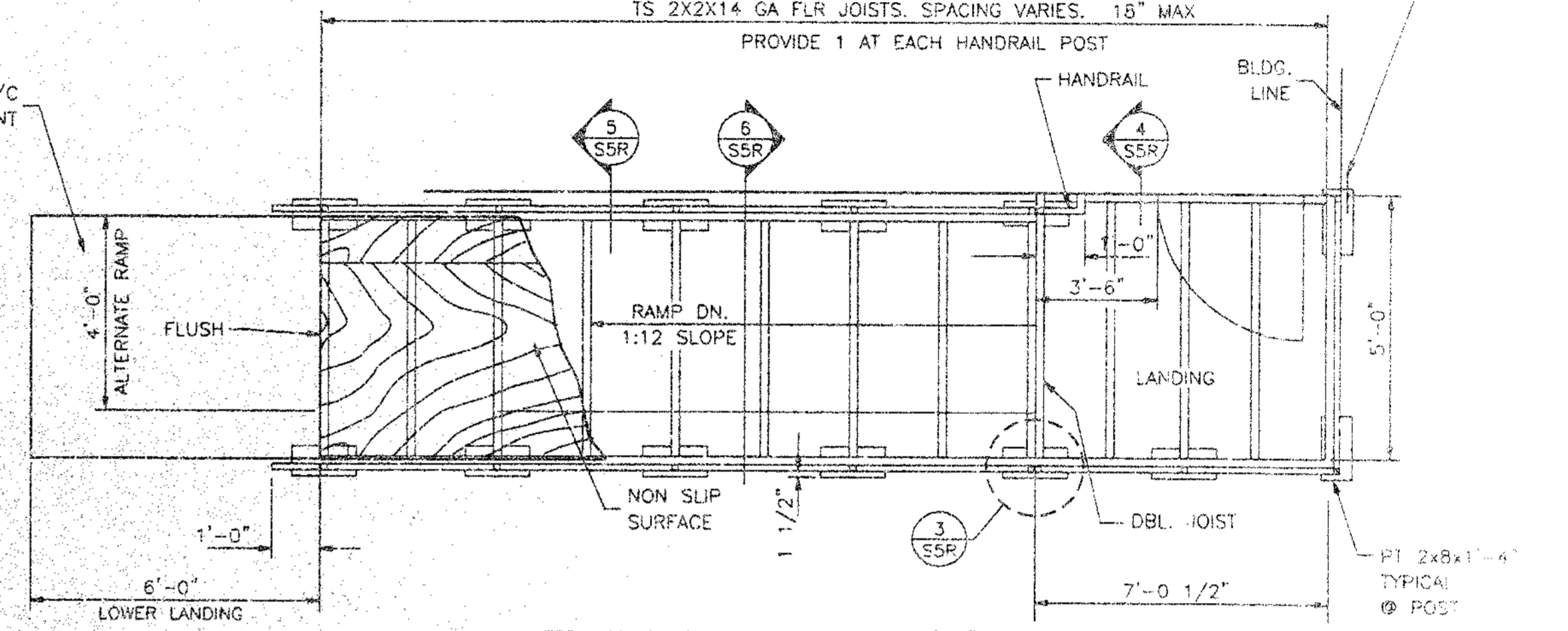
DETAIL NO SCALE



RAMP ELEVATION



RAMP PLAN



RAMP PLAN

- NOTES:
- RAMP: RAMP SHALL NOT SLOPE MORE THAN 1" IN 12"
 - HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 3'-4"
 - LANDING AND RAMP TO HAVE NON SLIP SURFACE. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
 - DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS, INC. IS 12'-0" AT A SLOPE OF 1:12. THEREFORE, THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING, DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS, INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET S5R.

NOTE: RAMP & LANDING TO BE FABRICATED IN SECTIONS (2 MIN) FOR MOVING

NOTE: RAMP & LANDING TO BE FABRICATED IN SECTIONS (2 MIN) FOR MOVING

RAMP 3/8"=1'-0"

RAMP- OPTIONAL (14 GA POSTS) 3/8"=1'-0"

ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.

RAMP AND LANDING SHALL HAVE A NON-SKID SURFACE FINISH APPLIED. NON-SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.3.19. RAMP SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTION TO THE INTEGRAL RAMP HANDRAIL.

RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

FLOOR DECKING:

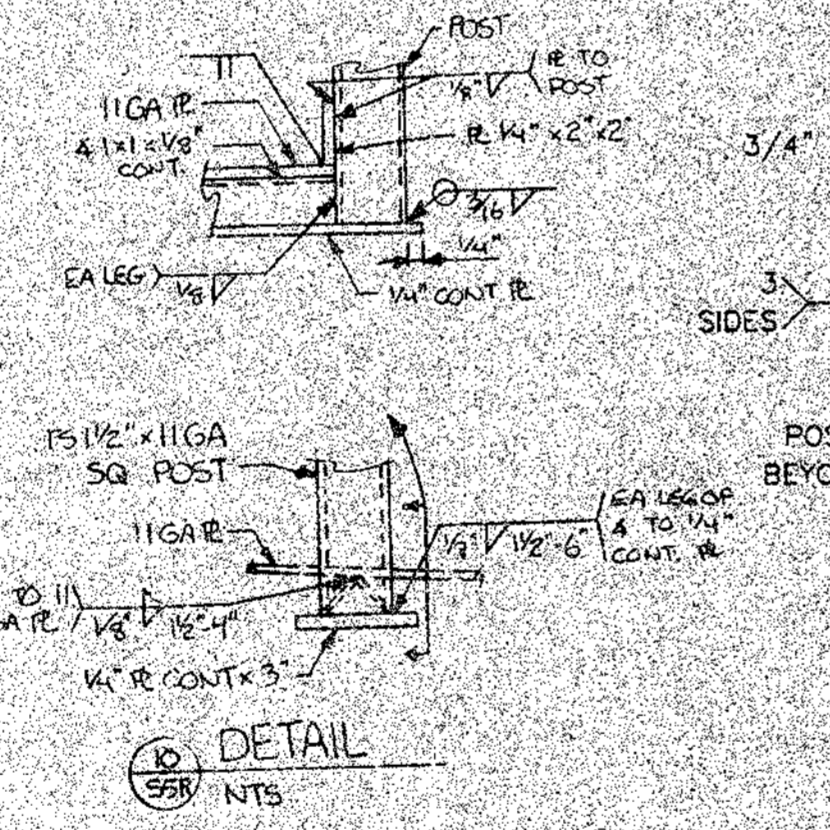
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SKID SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

ALT. FLOOR DECKING:

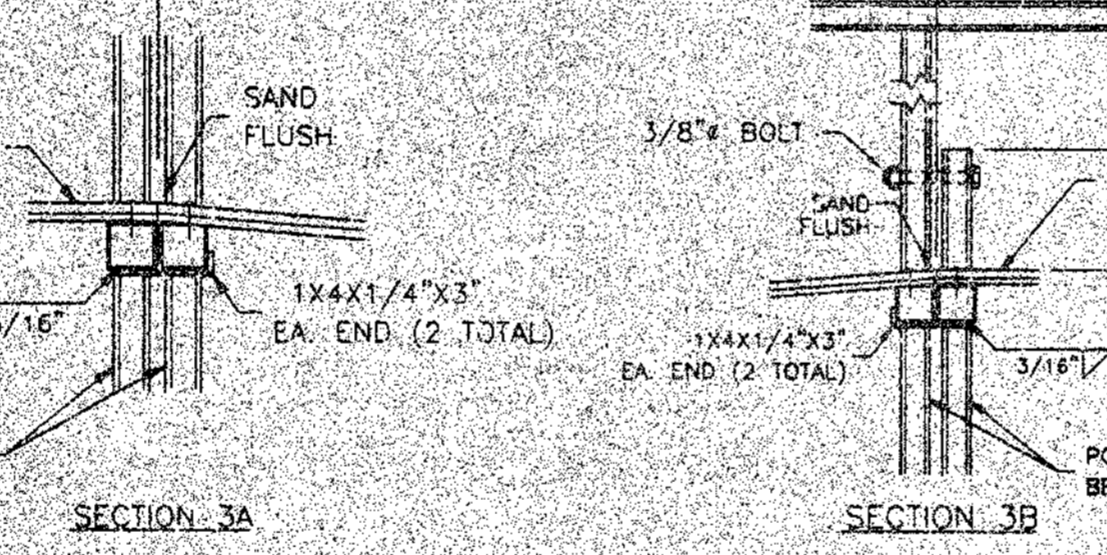
1" 11 GA SHEET METAL WITH NON-SKID SURFACE.

GROUNDING OF BUILDING COMPONENTS:

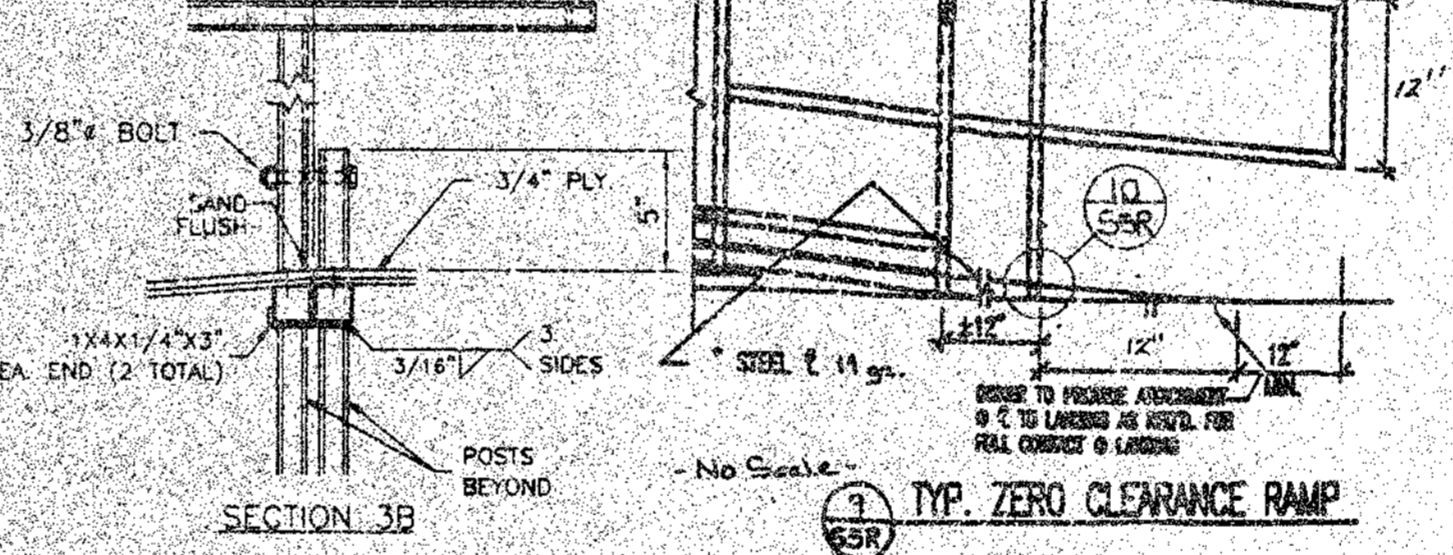
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. M-5 ISSUED BY DSA.



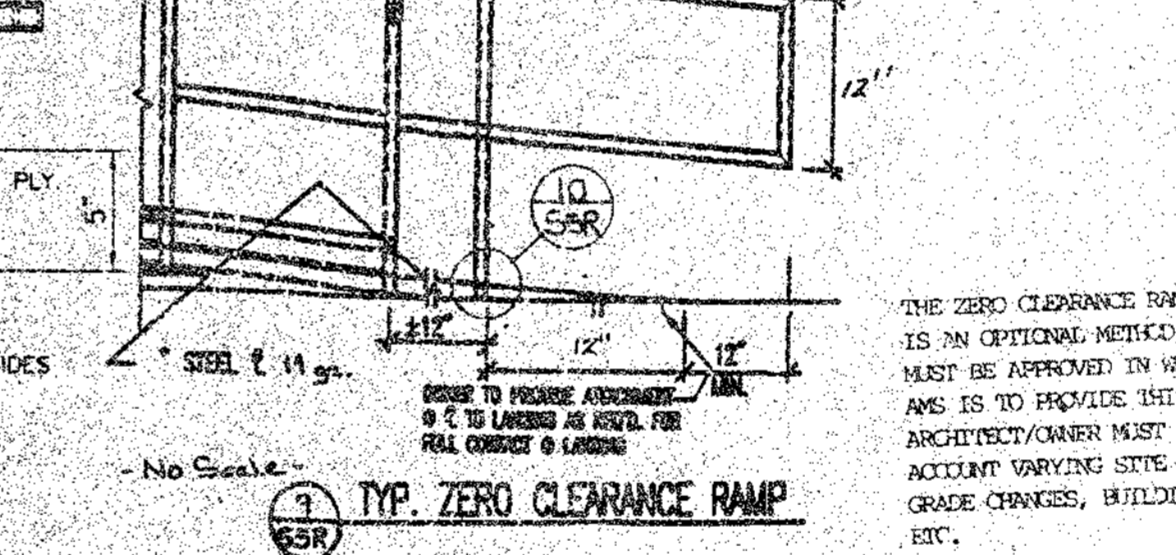
DETAIL NO SCALE



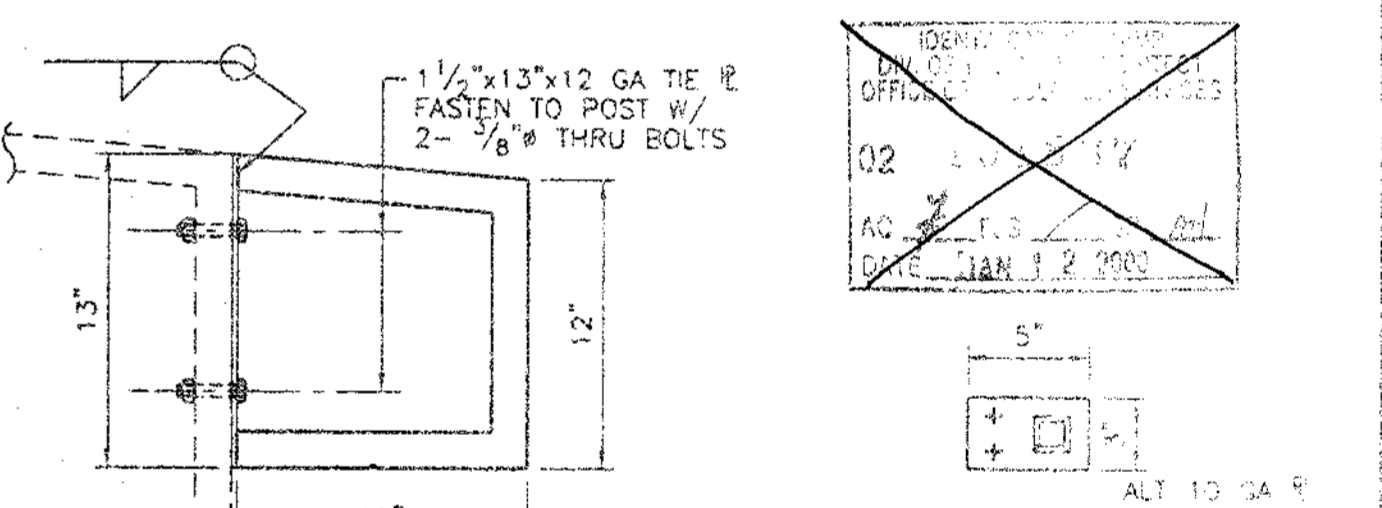
SECTION 3A



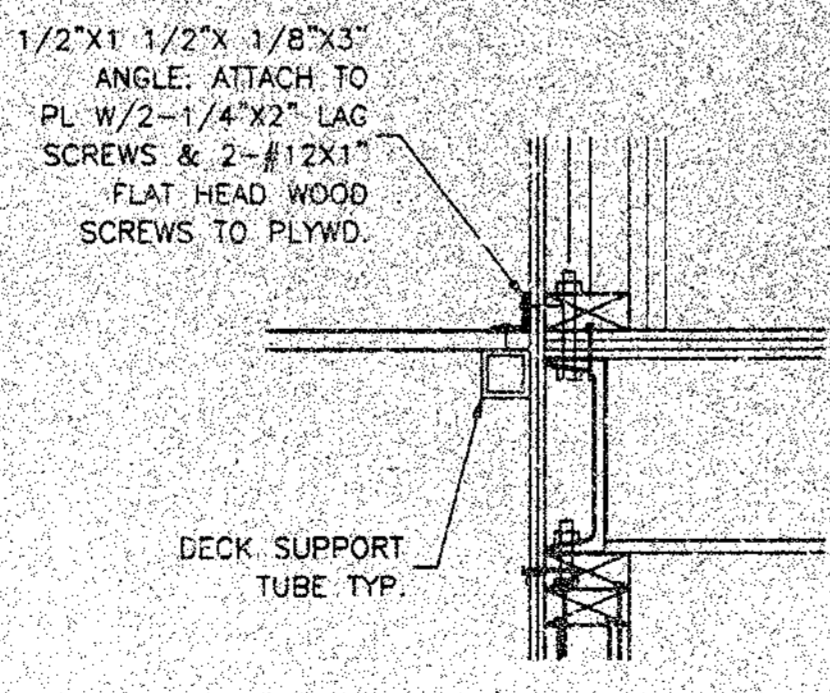
SECTION 3B



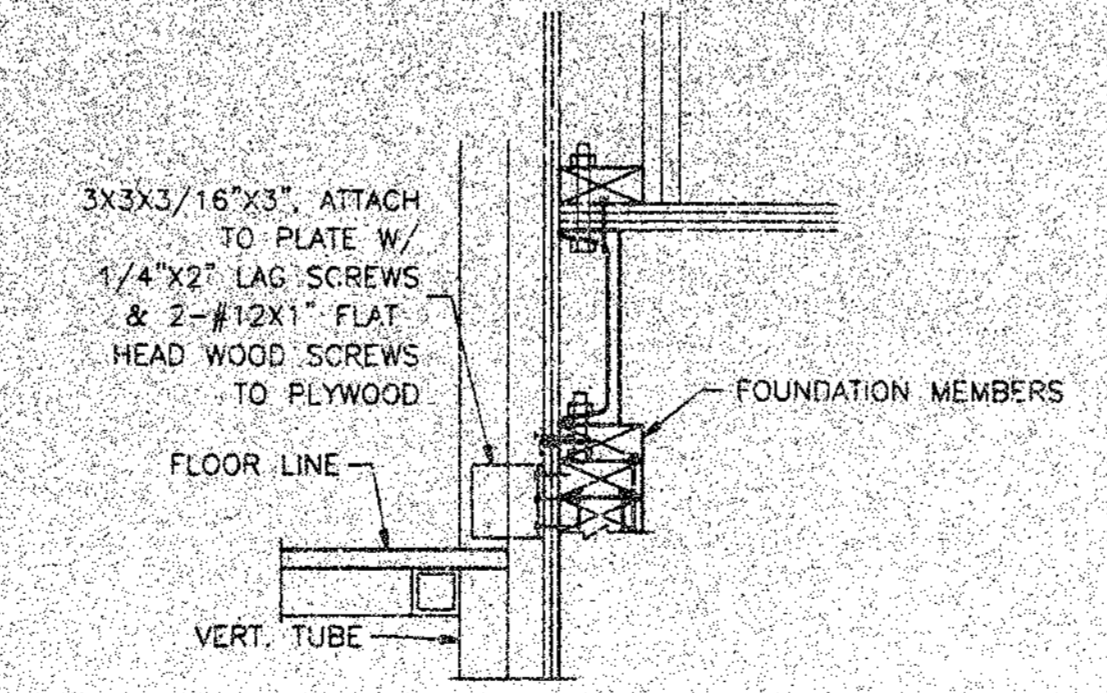
TYP. ZERO CLEARANCE RAMP



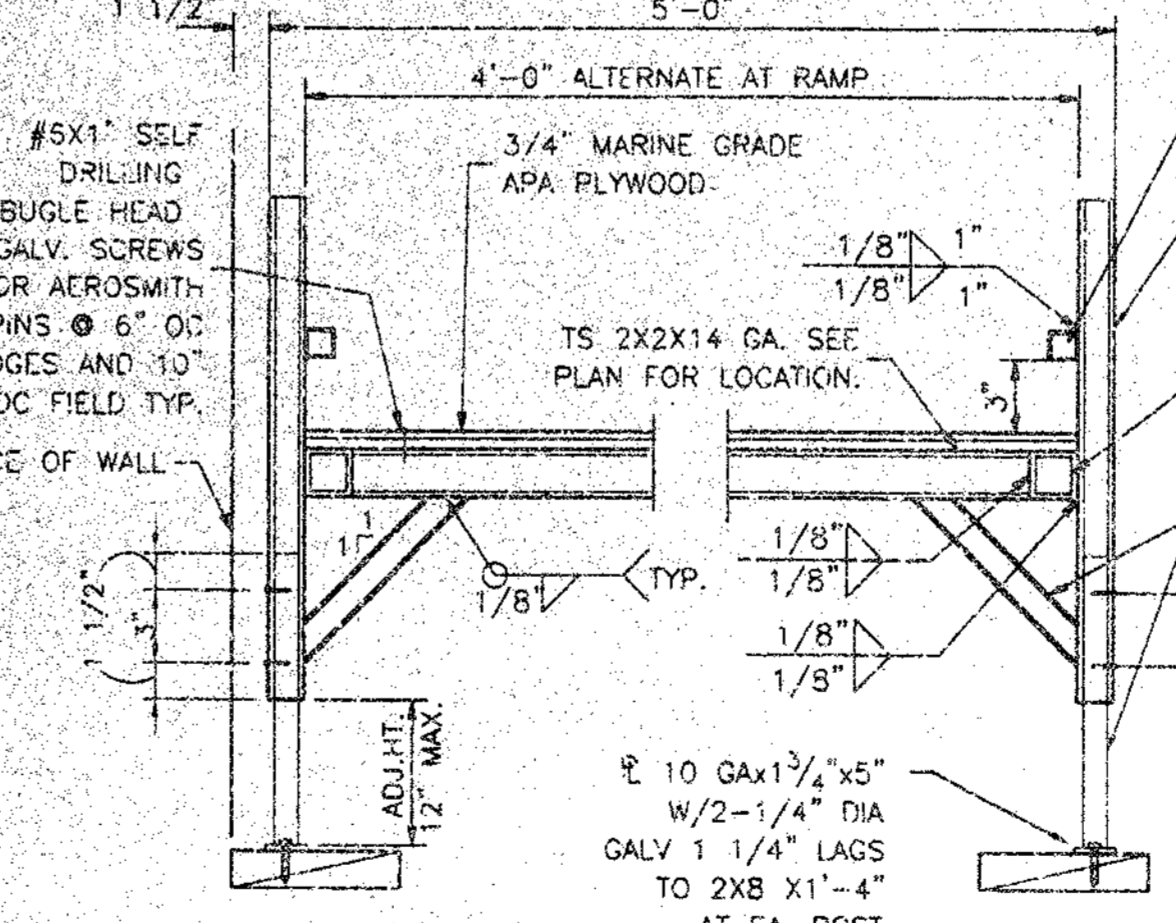
SECTION B



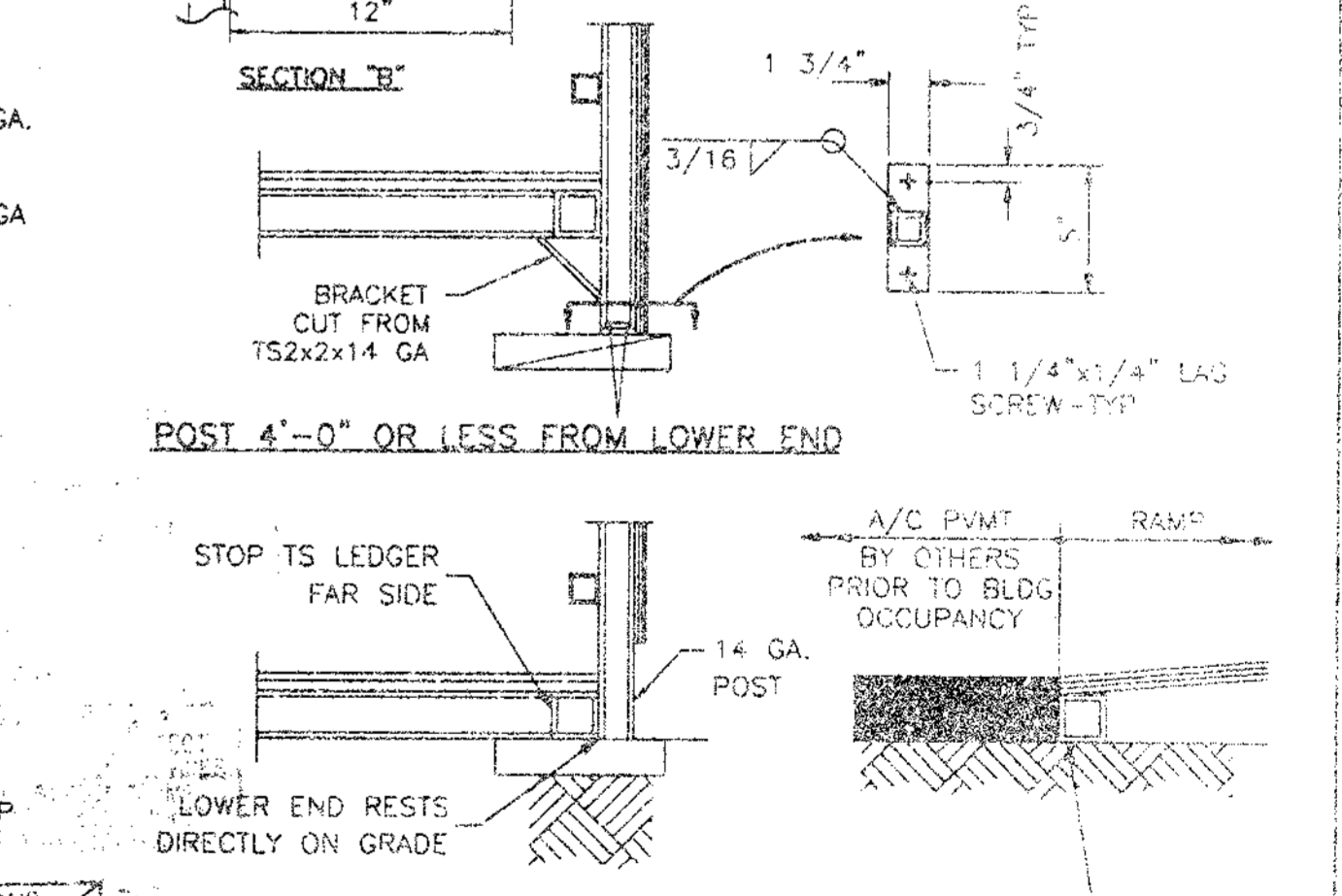
LANDING ATTACHMENT DETAIL NO SCALE



RAMP CONNECTION DETAIL NO SCALE



HANDRAIL AND RAMP DETAIL NO SCALE



LOWER END POST DETAIL NO SCALE

24 x 40 RELOCATABLE CLASSROOM



CUSTOMER: _____

RAMP PLAN, ELEVATIONS AND DETAILS

DATE: 10/18/99
 SCALE: AS NOTED
 DRAWN BY: PWD
 DESIGNED BY: MDB
 CHECKED BY: KAL
 SERIAL NO. _____

| REVISIONS | | | | | |
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| NO | DATE | DESCRIPTION | NO | DATE | DESCRIPTION |
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PROJECT No. S9100
 SHEET No. S5R

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

B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. Reference Brands: Owens-Corning fiberglass ductboard, 1" thick, and Micro-aire, TYPE 475. Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.

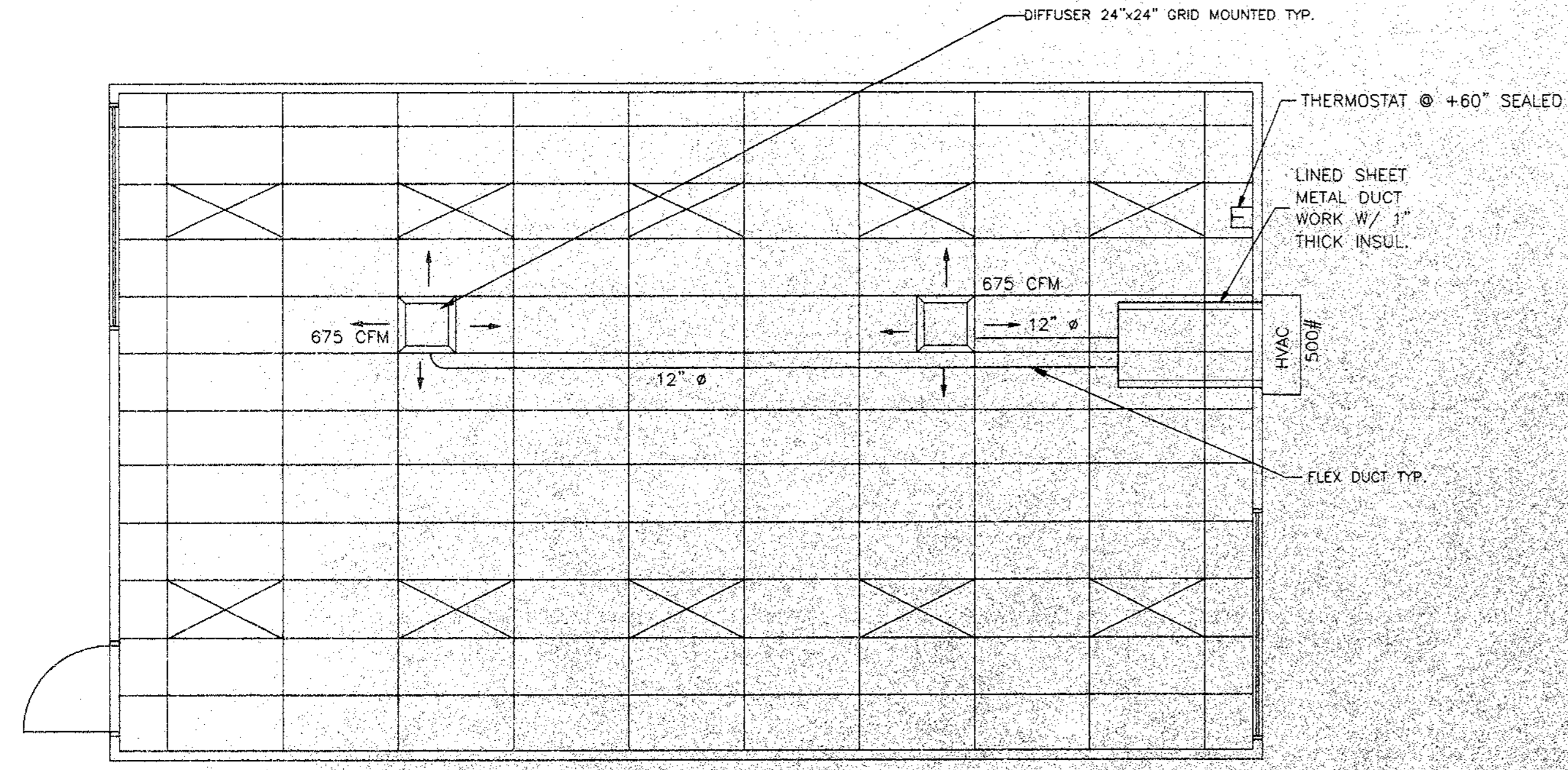
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25; smoke generation less than or equal to 50.
 4. Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knaf, 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:

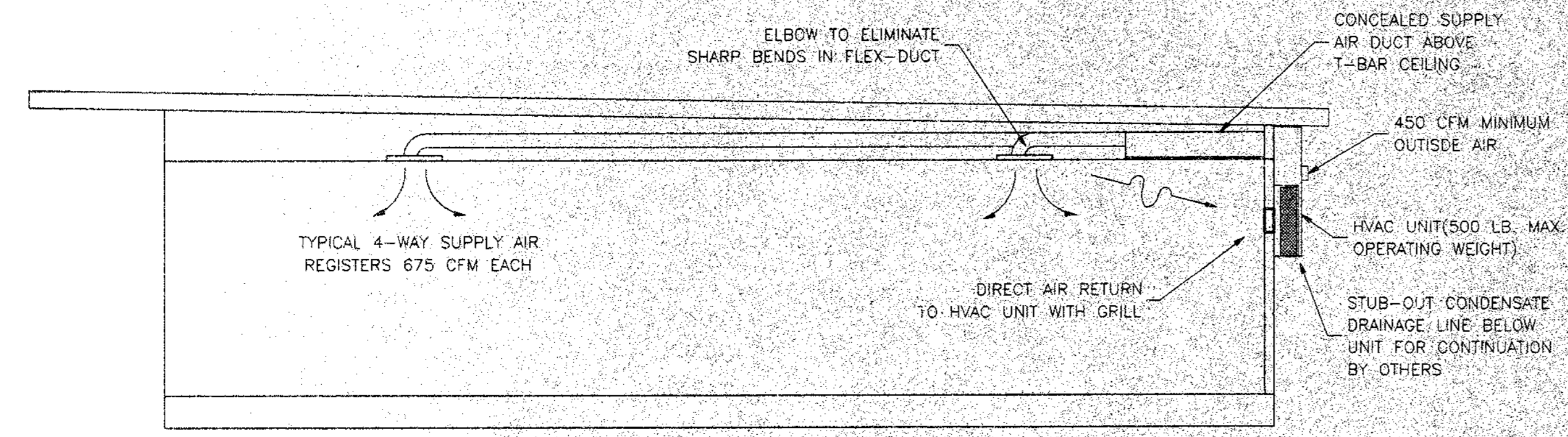
A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
 B.) Key board lockout switch.
 C.) Programmable display.
 D.) 2-hour override minimum.
 E.) Status Indicated Led's.
 F.) Battery back-up.
 Provide locking clear thermostat cover with thermostat cover 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 compliance with U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.



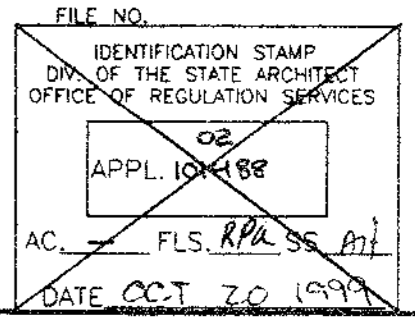
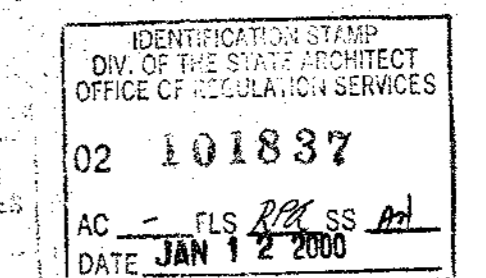
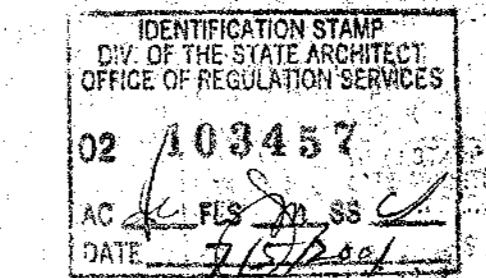
HEAT/SUPPLY AIR DUCT LAYOUT
 SCALE: 1/4"=1'-0"



HEAT/SUPPLY AIR DUCT CROSS SECTION
 SCALE: 1/4"=1'-0"

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

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



24 X 40
 RELOCATABLE
 CLASSROOMS



CUSTOMER: _____

MECHANICAL PLAN & NOTES

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

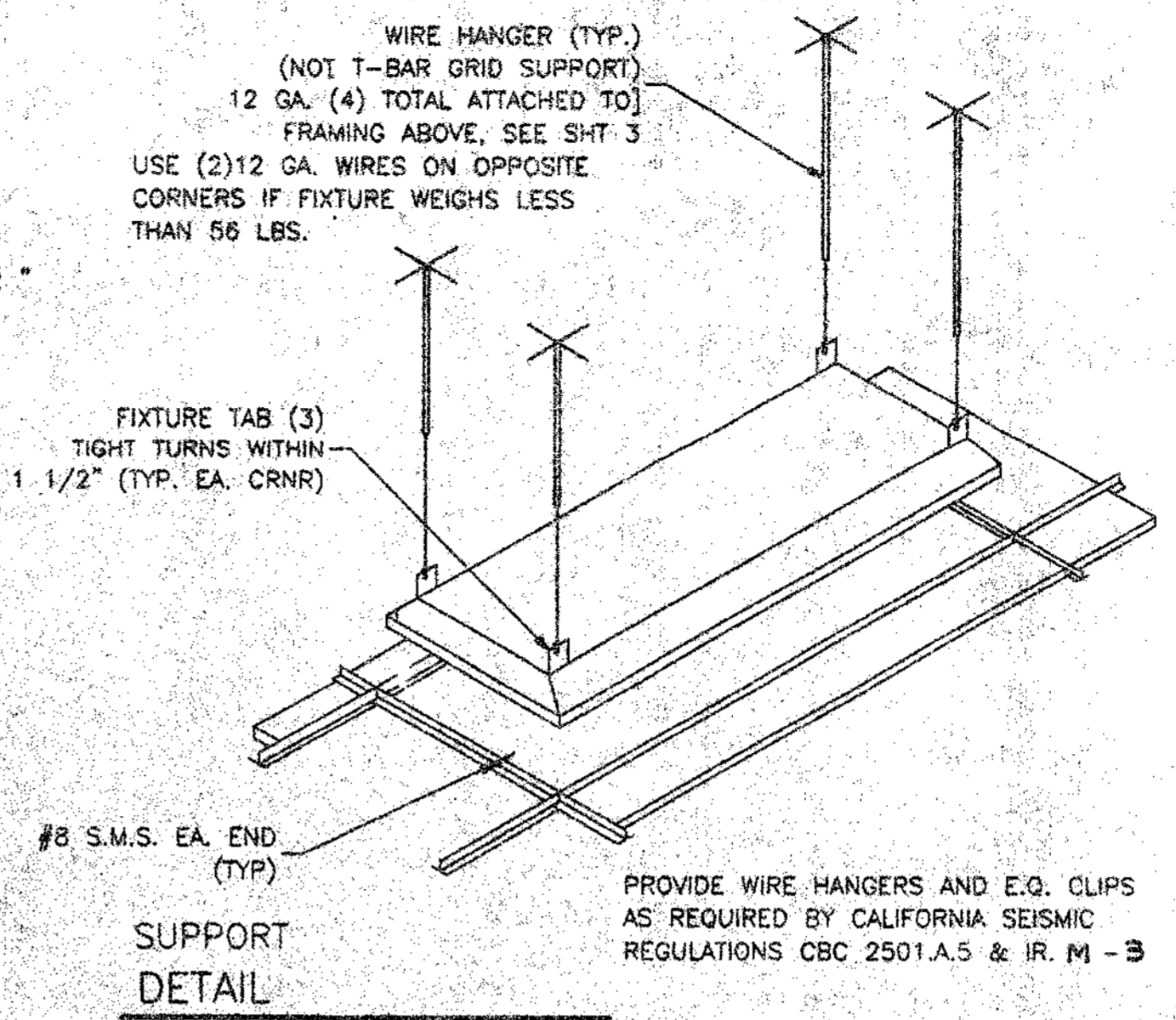
| REVISIONS | | | | | |
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| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
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PROJECT No. _____

SHEET No. **M 1**

STANDARD ELECTRICAL SYMBOLS

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



FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 & CALIFORNIA 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 ARCHITECT.
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 NEC 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:

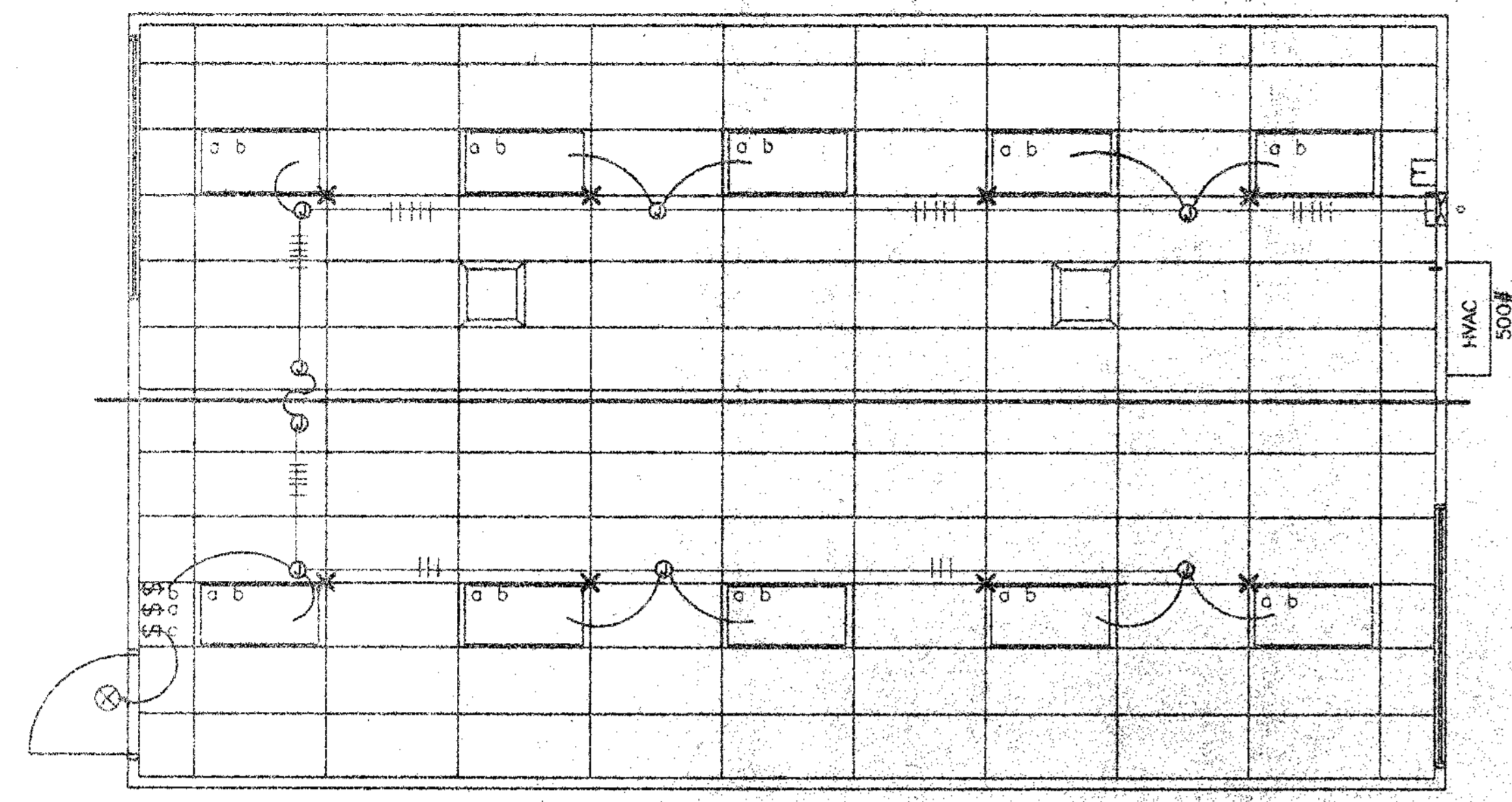
1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINAIRES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND 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 fluorescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Corolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Fluorescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. 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 separable hanging clip & app'd recept.

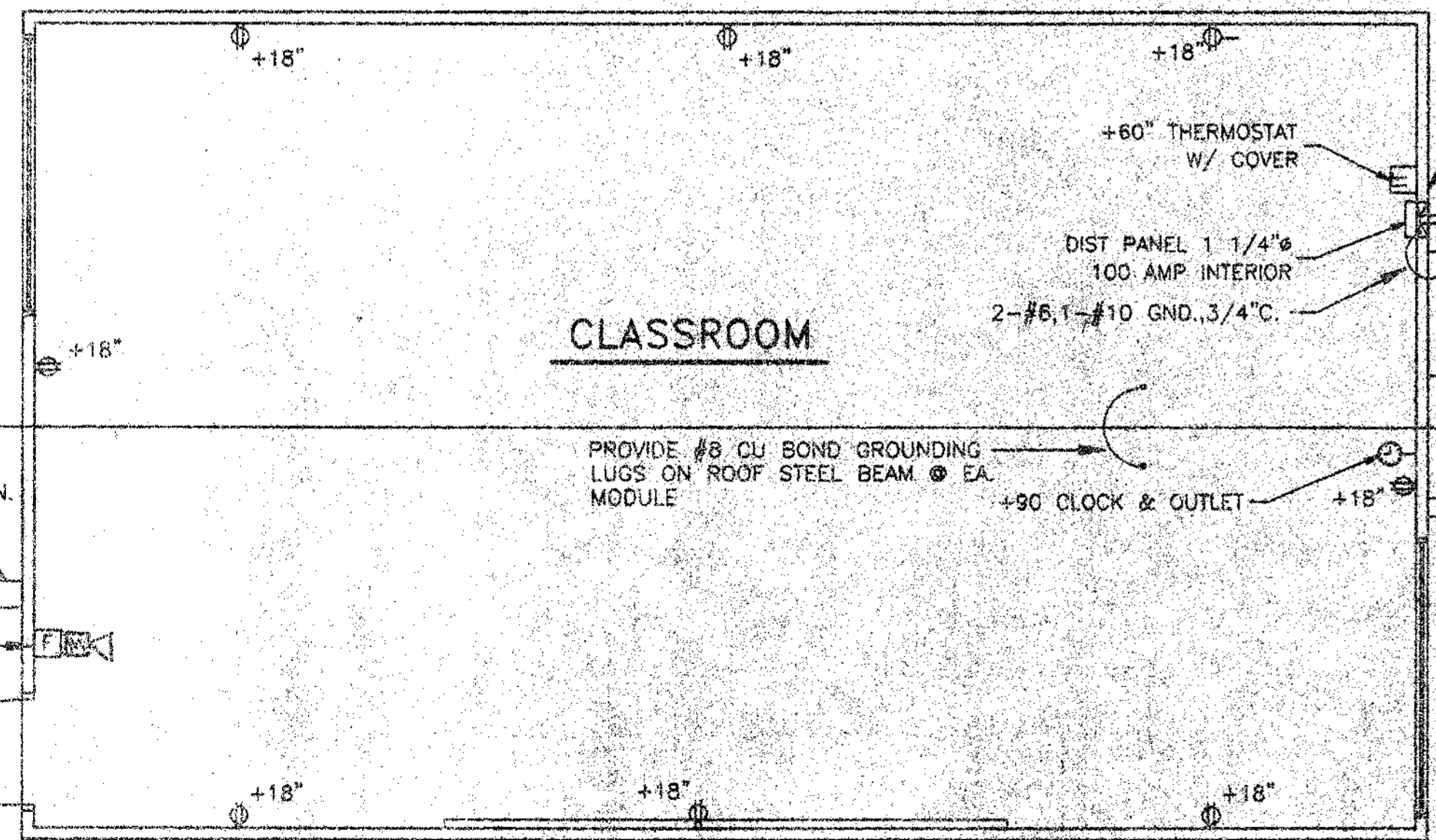
| SYMBOL | DESCRIPTION | WATTS | MANUFACTURER |
|--------|--|------------------|--------------------------------------|
| ⊕ | 2'x4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. ENERGY SAVING BALLAST. (4)35 WATT TUBES, WT. 27 LBS. | 156 W | CRESCENT 24TF440DLA |
| ⊕ | FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSGRIP" STAINLESS STEEL SCREWS. | (2) 7W TT 2700 K | KENALL 3714 OR LITHONIA 202 2/7PL LP |
| ⊕ | INCANDESCENT WALL MOUNTED | 150W | PROGRESS P3011x30" |

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



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

The H.V.A.C. unit feeder circuit - panel circuit breaker, unit disconnect and fuses (where used) - is to be coordinated with the name plate data at the time of manufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 80 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.



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

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

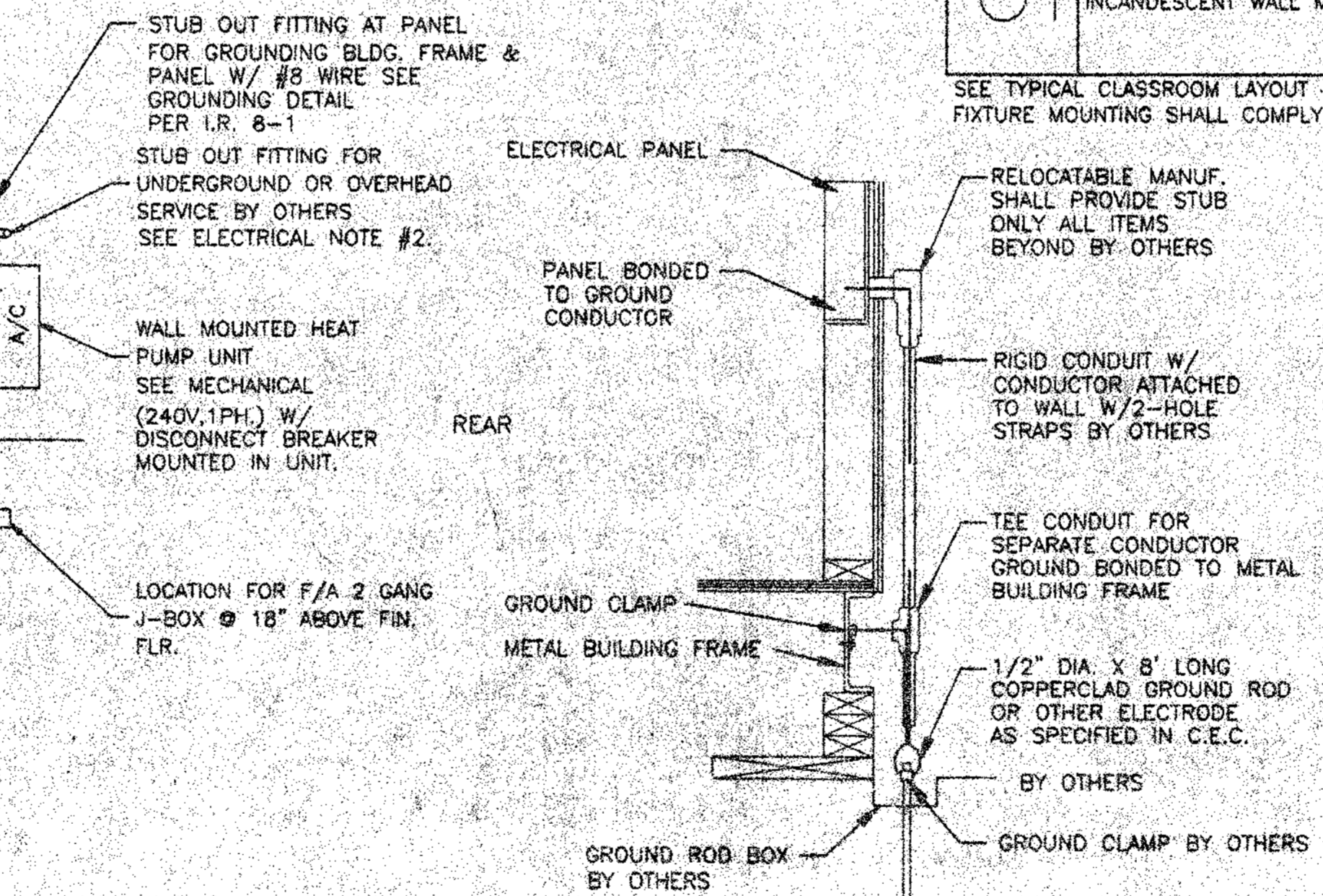
DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT

FIRE ALARM HORN ⊕ +90" MIN. J-BOX WITH BLANK WEATHERPROOF COVER ONLY DEVICE N.I.C. STUB TO CEILING

FIRE ALARM PULL STATION +48" TO CENTER J-BOX AND COVER ONLY, DEVICE N.I.C.. STUB TO CEILING

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

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



Size of conductors shall comply w/CEC Table. Bond separate conductors from ground rod to electrical panel & metal building frame. In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available.

Electrical bond modules together w/#8 CU @ midline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I.R. M3 INSPECTOR TO WITNESS 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. A | C B | BRK. A | WATTS |
| LIGHTS, FLUORESCENT | 980 | 15 | 1 | 1 | 2 2160 4476 |
| LIGHTS, FLUORESCENT | 980 | 15 | 1 | 3 | 4 2160 4476 |
| EXTERIOR LIGHT & CLOCK | 100 | 15 | 1 | 5 | |
| DUPLEX RECEPT. | 720 | 15 | 1 | 7 | |
| DUPLEX RECEPT. | 720 | 15 | 1 | 9 | |
| SPACE | | | | 11 | |
| | | | | 13 | |
| | | | | 15 | |
| | | | | 17 | |
| PHASE WATTAGE | 1880 1680 | | | 18 | 4476 4476 |
| TOTAL WATTS "A" LEG: 8556 | | | | | TOTAL WATTS "A+B"= 2743 |
| TOTAL WATTS: 15455 | 65 | 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"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
02 103457
AC W. FLS. 7/11/99
DATE 7/15/2001

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
02 103437
AC W. FLS. 7/11/99
DATE JAN 12 2000

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL. 10/1/98
AC W. FLS. 7/11/99
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: _____

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

ELECTRICAL PLAN & NOTES

REVISIONS

| NO. | DATE | DESCRIPTION | NO. | DATE | DESCRIPTION |
|-----|------|-------------|-----|------|-------------|
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PROJECT No. _____
SHEET No. **E 1**