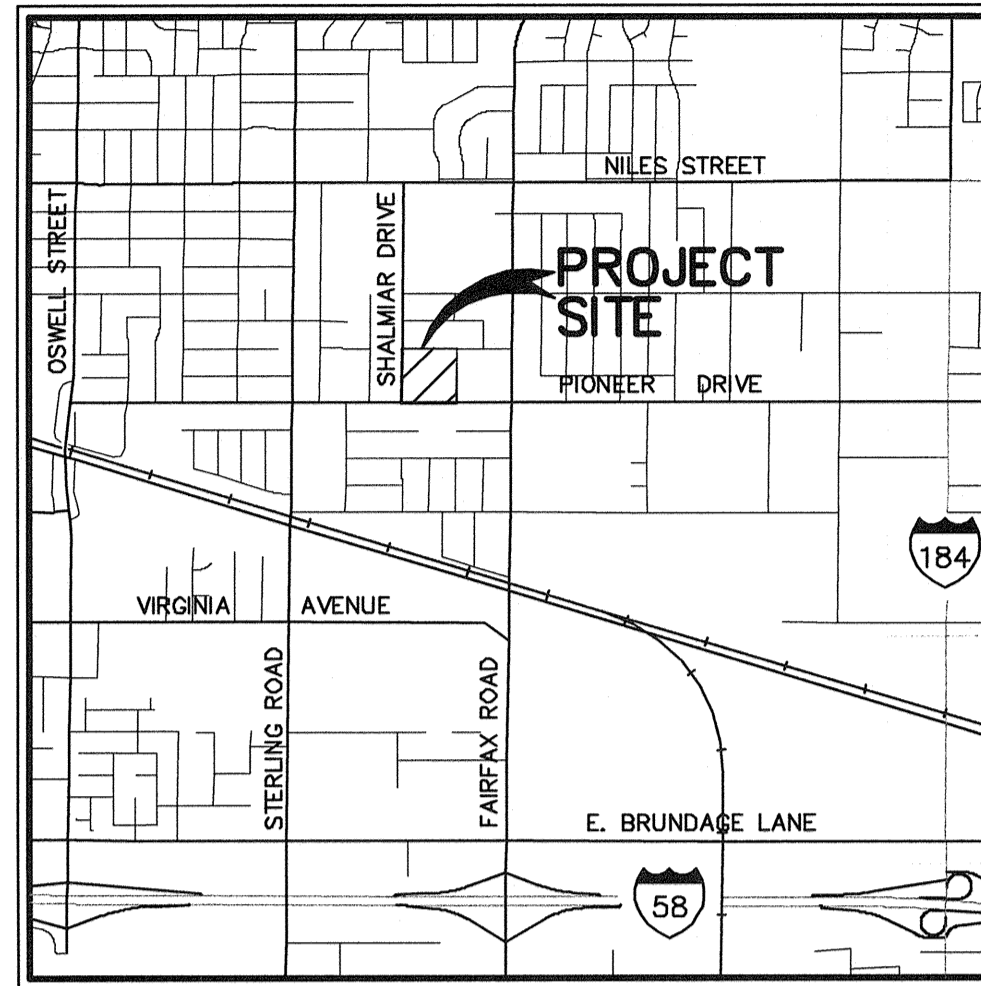


PIONEER ELEMENTARY SCHOOL GRADING AND SITE IMPROVEMENT PLANS FOR NEW CLASSROOM PORTABLES



VICINITY MAP
NO SCALE

BENCHMARK USED:

TOP OF EXISTING CURB AND GUTTER, NORTH SIDE OF PIONEER DRIVE 5.3 FEET EAST OF THE EAST PROPERTY LINE OF PIONEER DRIVE SCHOOL AND SHOWN ON THIS MAP AS PROJECT BENCH MARK.

ELEVATION = 100.00 (ASSUMED)

STATISTICS:

1. ASSESSOR'S PARCEL NUMBER: 135-180-06
2. APPROXIMATE ACREAGE: XXX ACRES
3. BUILDING SIZE: APPROXIMATELY 9,215 S.F.
4. WATER: ON-SITE
5. SEWER DISPOSAL: ON-SITE
6. DRAINAGE: ON-SITE
7. EXISTING LAND USE: SCHOOL SITE
8. PROPOSED LAND USE: SCHOOL SITE
9. FIRE PROTECTION: KERN COUNTY
10. ADDRESS: 4404 PIONEER DRIVE
BAKERSFIELD, CA 93306

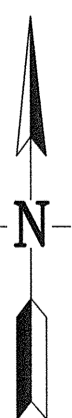
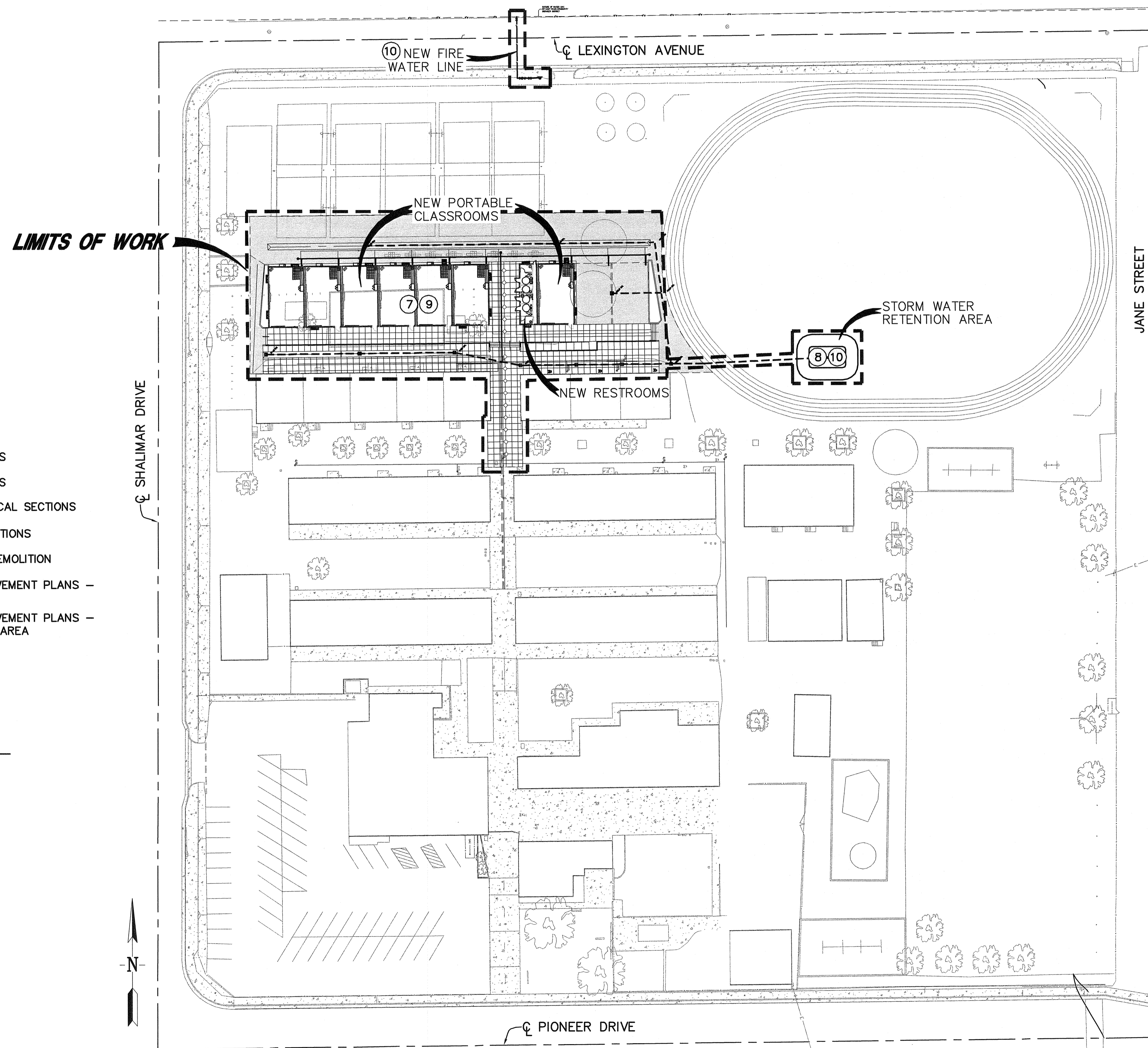
SHEET No. INDEX

- ① COVER SHEET
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- ③ NOTES AND SPECIFICATIONS
- ④ NOTES, DETAILS AND TYPICAL SECTIONS
- ⑤ DETAILS AND TYPICAL SECTIONS
- ⑥ EXISTING CONDITIONS & DEMOLITION
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- ⑧ GRADING AND SITE IMPROVEMENT PLANS - STORM WATER RETENTION AREA
- ⑨ UTILITY PLANS
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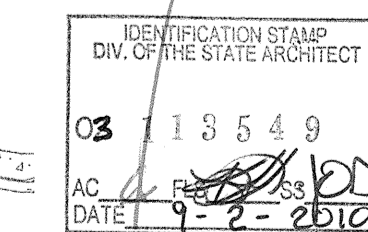
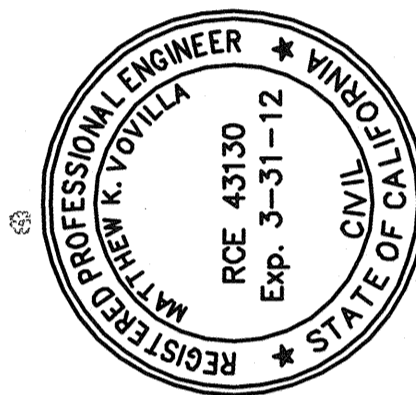
CONSTRUCTION LEGEND

- | | | |
|--|------------------------------------------------------------------------|---------------------------------|
| | NEW AC PAVEMENT | TOG = TOP OF GRATE INLET |
| | NEW CONCRETE | FL = FLOWLINE |
| | PROPOSED DRAINAGE INLET | GB = GRADE BREAK |
| | DESIGN SLOPE | TC = TOP OF CURB |
| | SAWCUT LINE | TOC = TOP OF CONCRETE FLAT WORK |
| | PROPOSED STORM DRAIN | MIN = MINIMUM |
| | PROPOSED 4-INCH DOMESTIC PVC WATER LINE | AC = ASPHALT CONCRETE |
| | PROPOSED 8-INCH FIRE WATER LINE | BW = BACK OF WALK |
| | PROPOSED 6" SEWER | EX = EXISTING |
| | PROPOSED SEWER CLEANOUT PER C.O.B. STANDARD SW-5 (SEE SHEET 5) | HP = HIGH POINT |
| | PROPOSED SEWER MANHOLE PER C.O.B. STANDARD SW-2 (SEE SHEET 5) | INV = INVERT |
| | PROPOSED GATE VALVE AND VALVE BOX | FS = FINISHED SURFACE |
| | PROPOSED 4-INCH BLOW-OFF AND BOX PER C.O.B. STANDARD W-4 (SEE SHEET 5) | LP = LIP OF V-GUTTER |
| | CONSTRUCTION NOTE - SEE SHEET 4 | CONC = PORTLAND CEMENT CONCRETE |
| | EXISTING 6" SEWER LINE | S = SLOPE |
| | EXISTING WATER LINE | FG = FINISHED GRADE |
| | EXISTING ELEVATION | CO = CLEANOUT |
| | PATH OF DRAINAGE | BO = BLOWOFF |

NOTE:
SEE SHEET 6 FOR ADDITIONAL LEGEND OF EXISTING CONDITIONS.



KEY MAP
SCALE: 1"=40'



PINNACLE Civil Engineering, Inc.
4620 California Avenue, Bakersfield, CA 93309
Phone: (661) 869-0184 Fax: (661) 377-0076

REVISIONS	DATE
MATTHEW K. VOVILLA	RCE 43130 EXP. 3/31/12

COVER SHEET
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA



JOB No.:	08-419
DWG NO.:	08-419-BM
DATE:	08/01/2010
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	1
OF 10 SHEETS	

GENERAL NOTES:

- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE START OF CONSTRUCTION. A PERMIT SHALL BE OBTAINED FROM CITY PUBLIC WORKS DEPARTMENT FOR WORK TO BE DONE IN THE CITY STREET RIGHT-OF-WAY.
- ANY TRENCHING TO BE CONDUCTED WITHIN THIS PROJECT SHALL BE BACKFILLED AND COMPACTED PER THE SOILS REPORT.
- THE CONTRACTOR SHALL REMOVE OR RELOCATE ALL OBSTRUCTIONS AS DIRECTED BY CITY ENGINEER.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS: THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER, AND THE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM NEGLIGENCE BY THE OWNER, ENGINEER, OR ARCHITECT.
- IF A PROBLEM SHOULD ARISE DURING THE COURSE OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO ANY FURTHER WORK.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF BAKERSFIELD STANDARDS AND STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION, EXCEPT AS OTHERWISE SHOWN ON THESE PLANS OR CONTRACT DOCUMENTS.
- ~~PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE CITY CONSTRUCTION INSPECTION DEPARTMENT SHALL BE GIVEN 24 HOURS NOTICE (801) 326-3049.~~
- ALL EXISTING IMPROVEMENTS (CURB, GUTTER, SIDEWALK, CROSS-GUTTER, FENCING, ETC.) THAT ARE REMOVED, DAMAGED, OR UNDERCUT SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER.
- THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND PIPELINES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE, PRESERVE AND PROTECT ANY AND ALL UNDERGROUND UTILITIES AND PIPELINES. THE CONTRACTOR SHALL CALL U.S.A. (UNDERGROUND SERVICE ALERT) 1-800-227-2600 TWO WORKING DAYS PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
- IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE PLAN AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO FILING HIS BID PRICE FOR THE PROJECT.
- IN THE EVENT CONSTRUCTION STAKING BASED ON CONSULTANT'S PLANS, DRAWINGS OR OTHER DOCUMENTS IS ACCOMPLISHED BY OTHER THAN THE CONSULTANT, CLIENT AGREES TO HOLD CONSULTANT HARMLESS AND RELEASE CONSULTANT FROM ALL LIABILITY ARISING FROM THE USE OF SAID PLANS, DRAWINGS OR OTHER DOCUMENTS.
- ALL EXISTING PAVING AND SURFACING REMOVED, DAMAGED OR UNDERCUT SHALL BE REPLACED IN ACCORDANCE WITH THE CITY OF BAKERSFIELD DRAWING S-6, OR AS OTHERWISE NOTED HEREIN.
- COMPACTION TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE NUMBER AND LOCATION OF REQUIRED TESTS SHALL BE DETERMINED BY THE ENGINEER THE COST OF RETESTING DUE TO FAILED COMPACTION TESTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PINNACLE CIVIL ENGINEERING, INC. SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF, THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PINNACLE CIVIL ENGINEERING, INC.
- ~~SEE WATER AND STREET IMPROVEMENT PLANS FOR OTHER IMPROVEMENTS THAT ARE PART OF THIS PROJECT.~~
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ALL TRENCHES. IF TRENCHES OR PIPING BECOME DAMAGED DUE TO WATER INFILTRATION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR THE TRENCH AND PIPING TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.
- FLOODING OR WATERJETTING SHALL NOT BE USED FOR BACKFILL COMPACTION.
- DRAWINGS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY. CONTRACTOR SHALL OBTAIN A COPY OF "CITY OF BAKERSFIELD SUBDIVISION STANDARDS" AND DRAWINGS FOR HIS USE. THESE STANDARD DRAWINGS SHALL BE CONSIDERED A PART OF THESE PLANS.
- NORMAL CONSTRUCTION STAKING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GRADING NOTES:

- ALL GRADING AND SITE PREPARATION SHALL CONFORM TO THIS PLAN AND SHALL CONFORM WITH APPENDIX CHAPTER 33 OF CALIFORNIA BUILDING CODE (CURRENT EDITION) AND STANDARDS PERTAINING THERETO.
- SOILS REPORT PREPARED BY KRAZAN & ASSOCIATES DATED APRIL 22, 2009. IN THE EVENT OF A CONFLICT BETWEEN THESE PLANS AND THE SOILS REPORT, THE MORE RESTRICTIVE SPECIFICATION SHALL APPLY.
- ALL DESIGN ELEVATIONS SHOWN ARE TO FINISH GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING THE PAD AND PAVING AREAS TO WITHIN 0.1 FOOT OF SUBGRADE. IF SUCH AREAS SHOULD BE FOUND TO BE MORE THAN 0.1 FOOT FROM THE DESIGN SUBGRADE ELEVATION AFTER COMPLETION OF GRADING, THE CONTRACTOR SHALL RETURN AND CORRECT THE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE START OF CONSTRUCTION. A PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD FOR ANY WORK TO BE PERFORMED IN THE CITY RIGHT-OF-WAY.
- UPON COMPLETION OF GRADING AND BEFORE THE START OF CONSTRUCTION, A FINAL SOILS REPORT COVERING THE SITE PREPARATION AND GRADING SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING DEPARTMENT BY THE SOILS ENGINEER.
- IF A PROBLEM OR CONFLICT SHOULD ARISE DURING THE COURSE OF THIS PROJECT, IT IS THE RESPONSIBILITY OF THE OWNER OR THE GRADING CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO ANY FURTHER WORK.
- ALL GRADING WORK SHALL BE SUPERVISED AS "ENGINEERED GRADING" IN ACCORDANCE WITH APPENDIX CHAPTER 33 OF CALIFORNIA BUILDING CODE. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO ENSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITHIN HIS PURVIEW.
- DUST CONTROL:
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT A DUST NUISANCE FROM ORIGINATING FROM THE SITE OF WORK AS A RESULT OF HIS OPERATIONS DURING THE EFFECTIVE PERIOD OF THIS CONTRACT. PREVENTATIVE MEASURES TO BE TAKEN BY THE CONTRACTOR SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
A. WATER SHALL BE APPLIED TO ALL UNPAVED AREAS AS REQUIRED TO PREVENT THE SURFACES FROM BECOMING DRY ENOUGH TO PERMIT DUST FORMATION.
B. PAVED SURFACES OVER WHICH VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL SHALL BE KEPT FREE OF DIRT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY WORK. CALL U.S.A. UNDERGROUND ALERT (800) 227-2600 PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
- THE GEOTECHNICAL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS.
- EXISTING UNDERGROUND LINES HAVE BEEN SHOWN ON THIS PLAN ACCORDING TO AVAILABLE RECORDS. THE ENGINEER IS NOT RESPONSIBLE FOR POSSIBLE ERRORS OR OMISSIONS AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- DURING GRADING, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CONCEALED SUBSURFACE OBSTRUCTIONS. ALL ABANDONED SUBSURFACE OBSTRUCTIONS SHOULD BE REMOVED. IF THE TERMINUS OF ANY ABANDONED PIPING IS OUTSIDE THE PROJECT LIMITS, THE PIPING SHOULD BE REMOVED WITHIN THE PROJECT AND PROPERLY CAPPED AT THE PROJECT BOUNDARY.

GRADING NOTES (CONTINUED):

- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT; INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- THE STAKING AND MARKING OF THE PROJECT SHALL BE PERFORMED BY THE CONTRACTOR. THE ENGINEER WILL PROVIDE SURVEY CONTROL POINTS.
- ALL ONSITE OR OFFSITE OBSTRUCTIONS SHALL BE REMOVED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.
- ANY EXISTING IMPROVEMENT OR UTILITY REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE COUNTY OF KERN AT THE CONTRACTOR'S EXPENSE.
- ALL CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- SITE PREPARATION AND GRADING SHALL BE DONE UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER AND DESIGN ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO PLACING OF ANY FILL MATERIAL.
- THE SITE SHALL BE CLEARED AND GRUBBED OF ALL VEGETATION, INCLUDING ROOTS, LOOSE FILL, TRASH AND OTHER DELETERIOUS MATERIALS. ANY HOLE OR VOIDS LEFT AFTER THE REMOVAL OF TREES, ROOTS, SEPTIC TANKS, ABANDONED FOUNDATIONS, PIPELINES OR THE LIKE, SHALL BE FILLED AS REQUIRED BY THE GEOTECHNICAL ENGINEER.
- FILL MATERIAL SHALL BE SUBJECT TO THE SOILS ENGINEER'S APPROVAL.
- ALL FILL SLOPES SHALL NOT TOE OUT WITHIN 12 FEET HORIZONTALLY FROM THE TOP OF EXISTING OR PLANNED CUT SLOPES.
- ~~THE CUT AND FILL QUANTITIES ARE CALCULATED USING A COMPACTION FACTOR OF _____. THE ENGINEER MAKES NO WARRANTY EITHER DIRECT OR IMPLIED THAT THIS WILL BE THE ACTUAL COMPACTION FACTOR. IF A DEFICIENCY OR AN EXCESS OF SOIL ARISES, THE GRADING CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER, WHO SHALL DETERMINE IF ADJUSTMENTS CAN BE MADE TO IMPROVE THE BALANCE BETWEEN CUT AND FILL.~~
- THE CUT AND FILL QUANTITIES SHOWN ON THIS PLAN ARE FOR PERMIT PURPOSES ONLY. ~~THE CONTRACTOR SHALL AFTER EXAMINING THE PLAN, SOILS REPORT AND THE SITE TERRAIN, PREPARE HIS BID PRICE FOR THE PROJECT, BASED ON HIS OWN EARTHWORK CALCULATIONS.~~
- EXPORT MATERIAL SHALL BE DISPOSED OF AT AN APPROVED SITE COORDINATED WITH THE INSPECTOR AT THE TIME OF GRADING.
- SEE ARCHITECT'S DETAIL SHEET FOR DETAILS NOT SHOWN ON THESE PLANS. ALSO SEE ARCHITECT'S SITE PLAN FOR DIMENSIONS NOT SHOWN ON THIS PLAN.
- IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE PLAN AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO FILING HIS BID PRICE FOR THE PROJECT.
- THE CONTRACTOR SHALL COORDINATE WITH THE DISTRICT AND THE ENGINEER FOR LOCATION OF THE BORROW AREAS (IF REQUIRED) PRIOR TO BEGINNING CONSTRUCTION.
- IN THE EVENT CONSTRUCTION STAKING BASED ON CONSULTANT'S PLANS, DRAWINGS OR OTHER DOCUMENTS IS ACCOMPLISHED BY OTHER THAN THE CONSULTANT, CLIENT AGREES TO HOLD CONSULTANT HARMLESS AND RELEASE CONSULTANT FROM ALL LIABILITY ARISING FROM THE USE OF SAID PLANS, DRAWINGS OR OTHER DOCUMENTS.
- ANY TRENCHING TO BE DONE WITHIN THE PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SOILS REPORT.
- SURFACE DRAINAGE SHALL BE 1% MINIMUM, EXCEPT AS WAVED BY THE BUILDING OFFICIAL.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO (A) FAMILIARIZE THEMSELVES WITH THE FOREGOING RECOMMENDATIONS, (B) NOTIFY THE ENGINEER WHEN SITE PREPARATION BEGINS AND BEFORE THE PLACEMENT OF FILLS, AND (C) INFORM THE ENGINEER IF ITEMS WHICH MIGHT EFFECT FOUNDATION STABILITY ARE ENCOUNTERED DURING EARTHWORK OPERATIONS SO THAT THEY MAY BE TREATED UNDER HIS DIRECTION (THESE MIGHT INCLUDE BURIED TRASH OR VEGETATION, PIPELINES, ABANDONED WELLS, OLD FILLS, ETC.)
- FLOODING, JETTING, OR SIMILAR CONSOLIDATION METHODS OF COMPACTION SHALL NOT BE PERMITTED.
- ANY ABANDONED WELLS ON THE PROPERTY DISCOVERED DURING GRADING SHALL BE ADEQUATELY CAPPED IN ACCORDANCE WITH ALL APPLICABLE CITY, COUNTY AND STATE ORDINANCES.
- A BERM OR DRAINAGE SWALE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT AND FILL SLOPES TO PREVENT RUNOFF FROM GOING OVER THE SLOPE. THE FACE OF ALL CUT AND FILL SLOPES SHALL BE PLANTED WITH A GROUND COVER INDIGENOUS TO THE AREA.
- UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL ENGINEERING INVESTIGATION, GROUND SURFACES TO RECEIVE CONCRETE DRIVEWAYS AND BITUMINOUS PAVEMENTS SHOULD BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF TWELVE INCHES (12") BELOW THE EXISTING GROUND SURFACE IN AREAS TO BE FILLED. COMPACTION IN PROPOSED PAVEMENT AREAS SHOULD BE TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF THE MAXIMUM DENSITY AS OBTAINED BY ASTM TEST METHOD D1557-78, METHOD A, AND SHOULD EXTEND TO A MINIMUM DISTANCE OF TWO FEET (2') BEYOND THE OUTSIDE EDGES OF PAVEMENTS.
- ALL AREAS ON THE SITE ON WHICH STRUCTURES ARE TO BE PLACED MUST BE COMPACTED TO NINETY PERCENT (90%) DENSITY FOR A MINIMUM DISTANCE OF FIVE FEET (5') BEYOND THE OUTSIDE EDGES OF THE FOUNDATIONS OF THE STRUCTURES. THE DEPTH OF OVEREXCAVATION AND COMPACTION IN PAD AREAS SHALL BE ONE FOOT BELOW EXISTING GROUND ELEVATION. RE-COMPACTION OF OVER-EXCAVATED MATERIAL SHALL BE TO AT LEAST NINETY PERCENT (90%) OF MAXIMUM DRY DENSITY.
- ALL FILL AREAS TO BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL AND THE AREA SCARIFIED TO A DEPTH OF 6".
- FILL AREAS SLOPING STEEPER THAN 5:1 SHALL BE KEYED AND BENCHED TO SUPPORT FILL.
- FILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6" IN COMPACTED THICKNESS AND COMPACTED AT OPTIMUM MOISTURE CONTENT BY APPROVED METHOD.
- ALL FILL TO BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY C.B.C. APPENDIX CHAPTER 33 AND SO CERTIFIED BY TESTS AND REPORTS FROM SOILS ENGINEER.
- UNAUTHORIZED CHANGES AND USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ANY AND ALL CHANGES TO THESE PLANS MUST BE APPROVED BY PINNACLE CIVIL ENGINEERING, INC.
- PURSUANT TO SECTION 3317.8 OF THE CALIFORNIA BUILDING CODE, IF THE CIVIL ENGINEER, THE SOILS ENGINEER, OR THE ENGINEERING GEOLOGIST OF RECORD IS CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR RESPONSIBILITY WITHIN THEIR AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING OF SUCH CHANGE PRIOR TO THE RECOMMENCEMENT OF SUCH GRADING.
- IF THE PROJECT IS SUBJECT TO THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), A "NOTICE OF INTENT" (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER NO. 92-08-DWQ) MUST BE FILED WITH STATE WATER RESOURCES CONTROL BOARD IN SACRAMENTO BEFORE THE BEGINNING OF ANY CONSTRUCTION ACTIVITY. COMPLIANCE WITH THE GENERAL PERMIT REQUIRES THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE PREPARED, CONTINUOUSLY CARRIED OUT, AND ALWAYS BE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL CONSTRUCTION HOURS.
- AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK PERFORMED WITHIN EXISTING ACCEPTED STREET RIGHT-OF-WAY. UNLESS SECURED BY A SUBDIVISION AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN RIGHT OF WAY AND INSURANCE AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A PERMIT.

DEMOLITION NOTES:

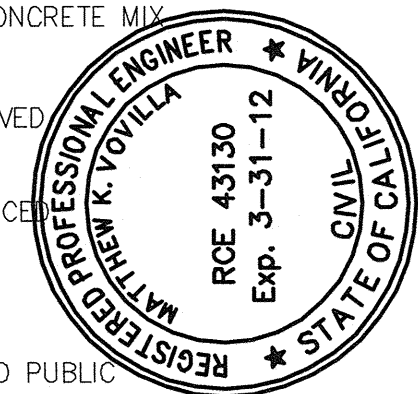
- CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION WITHIN THE LIMITS OF WORK.
- SEE ALSO ARCHITECT'S PLANS FOR DEMOLITION SPECIFICATIONS FOR STRUCTURES HARDCAPE.
- ALL NECESSARY DEMOLITION WITHIN THE LIMITS OF WORK SHALL BE PERFORMED BY THE CONTRACTOR. EXISTING IRRIGATION SHALL BE CUT AND CAPPED AT APPROPRIATE LOCATIONS UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL EXISTING IRRIGATION APPURTENANCES WITHIN THE LIMITS OF WORK SHALL BE REMOVED AND PROPERLY DISPOSED.
- ALL TREES AND PLANTINGS WITHIN THE WORK LIMITS SHALL BE COMPLETELY REMOVED, INCLUDING ROOT BALLS.
- EXCEPT AS OTHERWISE NOTED OR SHOWN ON THE PLANS, ALL MATERIAL GENERATED BY THE DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LAWS AND ORDINANCES.
- THE AREA OF WORK AND CONSTRUCTION TRAFFIC LANES SHALL BE CORDONED OFF FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL CONTINUALLY PROVIDE FOR SAFE PASSAGE OF PEDESTRIANS AROUND THE WORK ZONE.

PORTLAND CEMENT CONCRETE, CURBS & SIDEWALK:

- GENERAL
1.1: PORTLAND CEMENT CONCRETE FOR CURBS, GUTTERS, SIDEWALK, AND OTHER "FLATWORK" SHALL CONFORM TO THE PROVISIONS OF SECTION 40 AND 90 OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS, EXCEPT AS OTHERWISE MODIFIED BY THESE PLANS, SPECIFICATIONS, OR CONTRACT DOCUMENTS.
1.2: SEE ARCHITECT'S PLANS AND CONTRACT DOCUMENTS FOR STRUCTURAL CONCRETE, OR CONCRETE FOR FOUNDATIONS.
- CONCRETE
2.1 CLASS A
CLASS A CONCRETE SHALL HAVE A MINIMUM PORTLAND CEMENT CONTENT OF 564 POUNDS PER CUBIC YARD AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS.
2.2 CLASS B
CLASS B CONCRETE SHALL A MINIMUM PORTLAND CEMENT CONTENT OF 500 POUNDS PER CUBIC YARD AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS.
2.3 CLASS C
CLASS C CONCRETE SHALL HAVE A MINIMUM PORTLAND CEMENT CONTENT OF 376 POUNDS PER CUBIC YARD AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI IN 28 DAYS.
- REINFORCING
WHERE REINFORCED CONCRETE IS REQUIRED, REINFORCING STEEL CONFORMING TO THE APPLICABLE PROVISIONS OF THE STATE SPECIFICATIONS SHALL BE FURNISHED AND INSTALLED.
- CONCRETE IMPROVEMENTS
4.1: PORTLAND CEMENT CONCRETE SHALL BE CLASS B FOR CURB AND GUTTER, ADA RAMP, AND SIDEWALKS AND CLASS A FOR CROSS GUTTERS, DRIVEWAY APPROACHES, AND ANY OTHER CONCRETE IMPROVEMENT WHICH WILL BE SUBJECT TO VEHICULAR TRAFFIC. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 90, "PORTLAND CEMENT CONCRETE", OF THE STATE SPECIFICATIONS.
4.2: CROSS GUTTERS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVISIONS OF SECTION 73, "CONCRETE CURBS AND SIDEWALKS", OF THE STATE SPECIFICATIONS. DRIVE APPROACHES SHALL NOT BE CONSTRUCTED WITHIN TEN FEET OF CURB RETURNS, AS MEASURED FROM RETURN TO EDGE OF APPROACH, UNLESS APPROVED BY THE CITY. EXPANSION JOINTS SHALL BE EITHER (A) 1/4-INCH TO 1/2-INCH PREMOLDED EXPANSION JOINT FILLER PER SECTION 51-1.12 OF THE STATE SPECIFICATIONS, OR (B) 2-INCH DEEP SCORED JOINT (WEAKENED PLANE, EXTRUSION MACHINE ONLY).
4.3: ALL CONCRETE IMPROVEMENTS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE STANDARD DETAILS, WHITE PIGMENTED CURING COMPOUNDS, CONFORMING TO ASTM C-309, SHALL BE APPLIED TO ALL EXPOSED SURFACES OF CONCRETE IMPROVEMENTS TO PROVIDE COMPLETE AND UNIFORM COVERAGE. CURING COMPOUND SHALL BE APPLIED WITHIN 1 HOUR OF CONCRETE FINISHING.
4.4: EXCAVATION, GRADING AND BACKFILLING BEHIND THE CURB RETURNS, INCLUDING GRADING OF PARKWAY, SHALL BE DONE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR EARTHWORK. ANY EXCAVATED MATERIAL NOT NEEDED FOR GRADING OR BACKFILL, IN THE OPINION OF THE CITY, SHALL BE REMOVED FROM THE SITE OF WORK AND DISPOSED OF AT THE EXPENSE OF THE OWNER.
4.5: THE OWNER SHALL SUBMIT TO THE ENGINEER FOR APPROVAL THE DESIGN OF THE MIX PROPOSED FOR USE. SAID MIX DESIGN SHALL SET FORTH WEIGHTS OF CEMENT, SAND, COARSE AGGREGATE AND WATER TO BE USED TOGETHER WITH A GRADING ANALYSIS OF SAND AND COARSE AGGREGATE. THE SOURCE OF SUPPLY OF MATERIALS ENTERING INTO THE MIX SHALL ALSO BE GIVEN. THE MIX DESIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING ANY CONCRETE.
4.6: IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, INSTALL REBAR DOWELS WHEN NEW PC CONCRETE IS SHOWN TO JOIN EXISTING PC CONCRETE.
- SOIL STERILANT:
1. SOIL STERILANT SHALL BE APPLIED TO NATIVE SOILS OR BASE MATERIAL IN AREAS TO RECEIVE PORTLAND CEMENT CONCRETE OR ASPHALT CONCRETE.
2. SOIL STERILANT SHALL BE STANDARD, QUICK-ACTING, SHORT-LIVED, AND NON-SELECTIVE WEED AND GRASS KILLER. APPLICATION OF THE STERILANT SHALL POSE NO LONG TERM OR SHORT TERM HEALTH THREATS TO THE INSTALLER OR THE GENERAL PUBLIC. SOIL STERILANT SHALL BE OUSTXP, AS MANUFACTURED BY DUPONT, OR APPROVED EQUAL. SOIL STERILANT SHALL BE APPLIED AT A RATE AND MANNER IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, EXCEPT AS OTHERWISE MODIFIED HEREIN.
3. SOIL STERILANT SHALL BE APPLIED TO THE GRADED AND COMPACTED BASE MATERIAL IMMEDIATELY BEFORE PAVING.
4. SOIL STERILANT SHALL BE APPLIED TO THE GRADED AND COMPACTED NATIVE SOIL OR BASE MATERIAL UNDER PORTLAND CEMENT CONCRETE, AFTER GRADE IS ACCEPTED, FORMWORK, OR STRINGLINE HAS BEEN INSTALLED, AND "POURING" IS PLANNED WITHIN 24-HOURS. GRADE SHALL NOT BE DISTURBED ONCE STERILANT HAS BEEN APPLIED.
5. SOIL STERILANT SHALL NOT BE APPLIED EARLIER THAN ONE DAY PRIOR TO PLACEMENT OF EITHER AGGREGATE BASE OR POURING PC CONCRETE. WATER SHALL NOT BE APPLIED TO AREA AFTER APPLICATION OF STERILANT.
6. SOIL STERILANT SHALL NOT BE APPLIED WHEN PRECIPITATION IS EMINENT. SOIL STERILANT SHALL BE APPLIED IN ACCORDANCE WITH ALL MANUFACTURER'S DRIFT MANAGEMENT RECOMMENDATIONS.

ASPHALT CONCRETE PAVING:

- ASPHALT CONCRETE SHALL BE TYPE A (MODIFIED) FOR ALL ARTERIAL AND COLLECTOR STREETS AND TYPE B (MODIFIED) FOR LOCAL STREETS, AND SITEWORK, AND SHALL CONFORM TO THE PROVISIONS IN SECTION 39, "ASPHALT CONCRETE," OF THE STANDARD SPECIFICATIONS AND THESE PROVISIONS.
- PRIOR TO THE ADDITION OF ASPHALT BINDER, THE COMBINED MINERAL AGGREGATE FOR TYPE A (MODIFIED) OR TYPE B (MODIFIED) ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 39-2.02, "AGGREGATE," OF THE STANDARD SPECIFICATIONS FOR 1/2" MAXIMUM, MEDIUM GRADING.
- ASPHALT BINDER FOR TYPE A (MODIFIED) ASPHALT CONCRETE SHALL BE PG70-10 VISCOSITY GRADED ASPHALT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ASPHALT BINDER FOR TYPE B (MODIFIED) ASPHALT CONCRETE SHALL BE PG70-10 VISCOSITY GRADED ASPHALT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE ASPHALT BINDER SHALL CONFORM TO THE REQUIREMENTS IN THE TABLE FOR "STEAM-REFINED PAVING ASPHALTS," IN SECTION 92-1.02, "GRADES," OF THE STANDARD SPECIFICATIONS.
- THE AMOUNT OF ASPHALT BINDER TO BE MIXED WITH THE MINERAL AGGREGATE SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH CALIFORNIA TEST METHOD 367 USING SAMPLES OF MATERIALS PROPOSED FOR USE IN THE WORK. THE AMOUNT OF ASPHALT BINDER SHALL BE APPROVED BY THE ENGINEER.
- AT LEAST 14 DAYS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR THE ENGINEER'S REVIEW AND APPROVAL:
A. A LIST OF AGGREGATE AND ASPHALT SOURCES.
B. DOCUMENTATION VERIFYING THAT THE AGGREGATES TO BE INCORPORATED IN THE WORK CONFORM TO THE REQUIREMENTS IN SECTION 39-2.02, "AGGREGATE," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS. MATERIAL SIEVE ANALYSIS AND SAND EQUIVALENT TEST RESULTS SHOULD NOT BE OLDER THAN SIX (6) MONTHS. ALL OTHER TEST RESULTS SHOULD NOT BE OLDER THAN ONE (1) YEAR.
C. AN ASPHALT CONCRETE MIX DESIGN DETERMINED IN ACCORDANCE WITH CALIFORNIA TEST 387. LABORATORY TEST RESULTS ON WHICH THE DESIGN IS BASED SHALL BE SUBMITTED WITH THE MIX DESIGN ALONG WITH THE THEORETICAL MAXIMUM DENSITY OF THE DESIGN MIXTURE AS DETERMINED BY ASTM D-2041. THE ASPHALT CONCRETE MIX SHALL MEET THE REQUIREMENTS OF SECTION 39-2.02, "AGGREGATE," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS. IF THE DATA SUBMITTED SHOWS THAT THE MATERIALS ARE SUBSTANTIALLY THE SAME AS WHEN THE DESIGN WAS PREPARED, THE DESIGN MAY BE UP TO THREE (3) YEARS OLD. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH THE ASPHALT CONCRETE MIX DESIGN.
- WHERE NEW ASPHALT CONCRETE PAVEMENT IS TO CONFORM TO EXISTING PAVED SURFACES, THE EXISTING PAVEMENT SHALL BE SAW CUT.
7. A PRIME COAT WILL NOT BE REQUIRED ON NON-PAVED AREAS TO BE SURFACED PRIOR TO THE PLACEMENT OF ASPHALT CONCRETE; HOWEVER, ALL OTHER REQUIREMENTS OF SECTION 39-4.01, "SUB-GRADE," OF THE STANDARD SPECIFICATIONS SHALL BE MET.
8. THE AREA TO WHICH PAINT BINDER HAS BEEN APPLIED SHALL BE CLOSED TO PUBLIC TRAFFIC. CARE SHALL BE TAKEN TO AVOID TRACKING BINDER MATERIAL ONTO EXISTING PAVEMENT SURFACE BEYOND THE LIMITS OF CONSTRUCTION.
9. PAVING JOINTS SHALL MATCH STRIPE LOCATIONS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
A. INTERSECTIONS AND TAPERED SHOULDERS SHALL BE SURFACED AS DIRECTED BY THE ENGINEER. ADDITIONAL ASPHALT CONCRETE SHALL BE PLACED AT ROAD CONNECTIONS AND PRIVATE DRIVES, WHERE SHOWN ON PLANS AND AS DIRECTED BY THE ENGINEER, AND HAND RAKED, IF NECESSARY, AND COMPACTED TO FORM SMOOTH, TAPERED CONNECTIONS.
10. WHERE THE COMPACTED THICKNESS OF A LAYER OF ASPHALT CONCRETE IS 0.15 FOOT OR LESS, PAVING OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER THAT, AT THE END OF EACH WORK SHIFT, THE LENGTH OF PAVEMENT ALONG THE LONGITUDINAL DROP-OFF BETWEEN ADJACENT LANES IS NOT GREATER THAN THAT WHICH CAN BE SURFACED DURING THE FOLLOWING SHIFT OF NORMAL PAVING OPERATIONS. ADDITIONAL ASPHALT CONCRETE SHALL BE PLACED ALONG THE TRANSVERSE DROP-OFFS ON EACH LANE. SUCH ADDITIONAL ASPHALT CONCRETE SHALL BE HAND RAKED AND COMPACTED TO FORM TEMPORARY CONFORMS BEFORE THE LANES ARE OPENED TO PUBLIC TRAFFIC. KRAFT PAPER, OR OTHER APPROVED BOND BREAKER, MAY BE PLACED UNDER THE CONFORMS TO FACILITATE THE REMOVAL OF THE CONFORMS WHEN PAVING OPERATIONS RESUME.
- WHERE THE COMPACTED THICKNESS OF A LAYER OF ASPHALT CONCRETE IS MORE THAN 0.15 FOOT, PAVING OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER THAT THE LAYER OF ASPHALT CONCRETE IS PLACED ON ALL CONTIGUOUS LANES OF THE TRAVELED WAY BEFORE THE LANES ARE OPENED TO PUBLIC TRAFFIC. AT THE END OF EACH WORK SHIFT, THE DISTANCE BETWEEN THE ENDS OF A LAYER OF ASPHALT CONCRETE ON ADJACENT LANES SHALL NOT BE GREATER THAN 10 FEET. ADDITIONAL ASPHALT CONCRETE SHALL BE PLACED ALONG THE TRANSVERSE DROP-OFFS ON EACH LANE AND ALONG THE LONGITUDINAL DROP-OFF BETWEEN ADJACENT LANES. SUCH ADDITIONAL ASPHALT CONCRETE SHALL BE HAND RAKED AND COMPACTED TO FORM TEMPORARY CONFORMS BEFORE THE LANES ARE OPENED TO PUBLIC TRAFFIC. KRAFT PAPER, OR OTHER APPROVED BOND BREAKER, MAY BE PLACED UNDER THE CONFORMS TO FACILITATE THE REMOVAL OF THE CONFORMS WHEN PAVING OPERATIONS RESUME.
12. ASPHALT CONCRETE SHALL BE COMPACTED TO A MINIMUM 92 PERCENT OF THE MAXIMUM THEORETICAL DENSITY AS DETERMINED BY ASTM D-2041. IN-PLACE DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH CALIFORNIA TEST 375.
13. IF THE IN-PLACE DENSITY OF ANY LOT OF ASPHALT CONCRETE IS LESS THAN 92 PERCENT OR GREATER THAN 94 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, THE ASPHALT CONCRETE REPRESENTED BY THAT LOT SHALL BE REMOVED AND REPLACED WITH MATERIAL THAT DOES MEET THE IN-PLACE DENSITY REQUIREMENT. THE CORRECTIVE WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
14. IF THE FINISHED SURFACE OF THE ASPHALT CONCRETE DOES NOT MEET THE SPECIFIED SURFACE TOLERANCES, IT SHALL BE BROUGHT WITHIN TOLERANCE BY EITHER: (1) ABRASIVE GRINDING WITH EQUIPMENT UTILIZING DIAMOND BLADES, (2) REMOVAL AND REPLACEMENT, OR (3) PLACEMENT OF AN ASPHALT CONCRETE OVERLAY. THE METHOD WILL BE SELECTED BY THE ENGINEER. THE CORRECTIVE WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
15. IF ABRASIVE GRINDING IS USED TO BRING THE FINISHED SURFACE TO SPECIFIED SURFACE TOLERANCES, ADDITIONAL GRINDING SHALL BE PERFORMED, AS NECESSARY, TO ENLARGE THE GRINDING AREA SO THAT THE LONGITUDINAL LIMITS OF GRINDING ARE AT A CONSTANT OFFSET FROM, AND ARE PARALLEL TO, THE NEAREST LANE LINE OR PAVEMENT EDGE, AND THE TRANSVERSE LIMITS OF GRINDING ARE NORMAL TO THE PAVEMENT CENTERLINE. ALL GROUND AREAS SHALL BE NEAR RECTANGULAR AREAS OF UNIFORM SURFACE APPEARANCE. ABRASIVE GRINDING SHALL CONFORM TO THE REQUIREMENTS IN THE FIRST PARAGRAPH AND THE LAST FOUR PARAGRAPHS OF SECTION 42-2.02, "CONSTRUCTION," OF THE STANDARD SPECIFICATIONS. A FOG SEAL COAT SHALL BE APPLIED TO ALL FINISHED ASPHALT SURFACES AT THE CONTRACTOR'S EXPENSE. THE FOG SEAL COAT SHALL BE EITHER ASPHALT REJUVENATING AGENT OR ASPHALTIC EMULSION AS DIRECTED BY THE ENGINEER.
16. BASE MATERIAL IN ARTERIAL AND COLLECTOR ROADS SHALL BE CRUSHED AGGREGATE BASE (CAB) CONFORMING TO SECTION 200-2.2 OF THE "GREENBOOK." BASE MATERIAL IN LOCAL ROADS SHALL EITHER BE CAB OR CRUSHED MISCELLANEOUS BASE (CMB) CONFORMING TO SECTION 200-2.4 OF THE "GREENBOOK."
17. BASE MATERIAL FOR SITE WORK SHALL BE CLASS II AGGREGATE BASE, PER SECTION 25 OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
18. SEE ALSO CONTRACT DOCUMENTS FOR ARCHITECT'S SPECIFICATIONS.

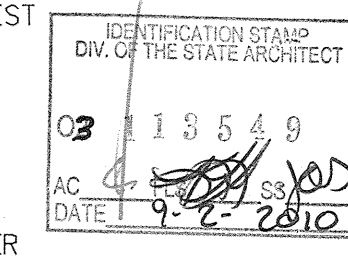


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NOTES & SPECIFICATIONS
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA

JOB No.: 08-419
DWG No.: 08-419-BM
DATE: 08/01/2010
DRAWN BY: ADK
CHECKED BY: MKV
SHEET 2 OF 10 SHEETS



**PLUMBING SPECIFICATIONS FOR
BAKERSFIELD CITY SCHOOL DISTRICT:**

WATER PIPING AND FITTINGS BELOW GRADE

- 1. ALL GATE VALVES 2 INCH AND LARGER SHALL BE FLANGED / MECHANICAL JOINT RESILIENT SEAT GATE VALVES.
- 2. ALL GATE VALVES 1 1/2 INCHES AND SMALLER SHALL BE 150 NIBCO / STOCKHAM / CRANE OR EQUAL.
- 3. NO BALL VALVES PERMITTED BELOW GRADE.
- 4. ALL WATER LINES 2 INCH AND LARGER SHALL BE SCHEDULE 80 PVC, 4 INCH AND LARGER MAY BE PVC C900.
- 5. ALL WATER LINES 1 1/2 INCHES AND SMALLER MAY BE SCHEDULE 40 PVC.
- 6. ALL SOLVENT WELDED JOINTS TO BE MADE WITH GRAY, HEAVY-BODIED, MEDIUM-SETTING INDUSTRIAL GRADE PVC SOLVENT CEMENT.
- 7. ALL PIPING THAT RISES UP FROM BELOW GRADE SHALL BE TYPE L COPPER WITH BRAZED JOINTS AND WRAPPED WITH 40 MILS OF PIPE WRAP TAPE. THE USE OF FEMALE PVC ADAPTERS IS PROHIBITED.
- 8. ALL VALVE BOXES SHALL BE CHRISTY G5 OR EQUAL.
- 9. ALL VALVES ARE TO BE SLEEVED WITH 6 INCH PIPE FROM VALVE TO 6 INCHES FROM THE TOP OF THE YARD BOX.

WATER PIPING AND FITTINGS ABOVE GRADE

- 1. GATE VALVES TO BE NIBCO / STOCKHAM / CRANE OR EQUAL.
- 2. BALL VALVES ARE TO HAVE LEVER HANDLES, TEE SEAT AND O-RING SEALS.
- 3. ALL WATER LINE SHALL BE TYPE L COPPER PIPE WITH SOLDERED JOINTS / PRO PRESS OR EQUAL.
- 4. ALL STUB OUT NIPPLES SHALL BE RED BRASS OR TYPE K COPPER.

SANITARY SEWER AND STORM DRAIN LINES BELOW GRADE

- 1. ALL SEWER AND STORM DRAIN PIPING SHALL BE CAST IRON, SCHEDULE 40 PVC DWV, SCHEDULE 40 ABS DWV OR SDR 35 PIPE AND FITTINGS.
- 2. ALL CLEAN OUTS SHALL BE INSTALLED WITH A WYE 1/8 BEND COMBINATION. ALL END OF RUN CLEAN OUTS AND CLEAN OUTS INSTALLED AT CHANGE OF DIRECTION SHALL BE INSTALLED WITH (2) 1/8 BENDS OR LONG SWEEP 1/4 BEND.
- 3. ALL CLEAN OUT BOXES SHALL BE CHRISTY G5 OR EQUAL.

MISCELLANEOUS VALVES AND MATERIALS

- 1. GAS VALVES SHALL BE RESUN LUBRICATED PLUG STYLE VALVE, DEZURIK SERIES 400 OR EQUAL.
- 2. AT LOCATIONS WHERE CONSTRUCTION CHANNEL IS USED WITH COPPER PIPE, THE PIPING SHALL BE SECURED WITH CUSH-A CLAMP BRAND STRAP WITH INSERT OR EQUAL.
- 3. CONDENSATE LINES SHALL BE TYPE M COPPER PIPE WITH SOLDERED OR PRO PRESS FITTINGS AND SHALL BE INSTALLED WITH PLUGGED CLEAN OUT TEES AT EVERY CHANGE OF DIRECTION. PROVIDE TRAPS AT ALL AIR CONDITIONING EQUIPMENT.
- 4. ALL PIPING SHALL RUN PARALLEL WITH BUILDING SURFACES UNLESS APPROVED BY DISTRICT.

CITY OF BAKERSFIELD SEWER SPECIFICATIONS:

1. GENERAL CONTRACTOR WILL FURNISH ALL MATERIAL, TOOLS, LABOR, EQUIPMENT AND SUPERVISION NECESSARY TO COMPLETE INSTALLATION.

2. VCP INSTALLATION: (NOT ALLOWED FOR 8" PIPE SET AT 0.25%)

A. MATERIALS: THE PIPE AND FITTINGS SHALL BE EXTRA STRENGTH VTRIFIED CLAY CONFORMING TO CURRENT ASTM DESIGNATION C-700, AND SHALL BE INSTALLED IN CONFORMANCE WITH THE PROVISIONS OF SECTION 71 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, CURRENT EDITION AND THE CURRENT ASTM DESIGNATION C-12.

B. JOINTS:

- 1. THE PIPE AND FITTINGS SHALL HAVE A SOCKET END AND A SPIGOT END WITH COMPRESSION JOINTS CONFORMING WITH THE CURRENT ATSM DESIGNATION C-425.
- 2. THE PIPE FITTINGS FOR 6", 8", 10" AND 12" SANITARY SEWER MAINS MAY BE PLAIN- WITH COMPRESSION COUPLINGS CONFORMING WITH THE CURRENT ATSM DESIGNATION C-425. EXCEPTING THAT A STAINLESS STEEL SHEAR RING AS MANUFACTURED BY MISSION CLAY PRODUCTS CORPORATION FOR THEIR "MAINLINE" BAND SEAL COMPRESSION COUPLING, OR APPROVED EQUAL, SHALL BE REQUIRED.
- 3. THE PIPE AND FITTINGS FOR PRIVATE SANITARY SEWER HOUSE OR BUILDING LATERALS MAY BE PLAIN-END WITH COMPRESSION COUPLINGS CONFORMING WITH THE CURRENT ASTM DESIGNATION C-425. (STAINLESS STEEL SHEAR RINGS ARE NOT REQUIRED).

3. ABS PIPE INSTALLATION:

A. MATERIALS: PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATIONS D 2680 AND D 2751. PIPE AND FITTINGS SHALL BE HOMOGENEOUS THROUGHOUT AND FREE FROM CRACKS, HOLES, FOREIGN INCLUSIONS OR OTHER INJURIOUS DEFECTS. FITTINGS SHALL BE INJECTION MOLDED AND SHALL BE INSTALLED IN LINE ON NEW PIPELINES; CUT-IN FITTINGS ARE NOT PERMITTED.

B. JOINTS: ONLY USE SOLVENT WELDED JOINTS. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE ABS PIPE CONNECTS TO VCP, USE COUPLINGS APPROVED BY THE CITY OF BAKERSFIELD.

C. INSTALLATION: PIPE AND FITTINGS SHOULD BE INSTALLED IN ACCORDANCE WITH ASTM D 2321. ONLY CLASS I, II OR III EMBEDMENT MATERIALS WILL BE CONSIDERED SUITABLE.

4. PVC PIPE INSTALLATION:

A. MATERIALS: PIPES AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATIONS D 3034 AND SDR 35. PIPE AND FITTINGS SHALL BE HOMOGENEOUS THROUGHOUT AND FREE FROM CRACKS, HOLES, FOREIGN INCLUSIONS OR OTHER INJURIOUS DEFECTS. FITTINGS SHALL BE INJECTION MOLDED AND SHALL BE INSTALLED IN LINE ON NEW PIPELINES; CUT-IN FITTINGS ARE NOT PERMITTED.

B. JOINTS: USE ONLY ELASTOMERIC GASKET JOINTS. THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. WHERE PVC PIPE CONNECTS TO VCP, USE COUPLINGS APPROVED BY THE CITY OF BAKERSFIELD.

C. INSTALLATION: PIPE AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D 2321. ONLY CLASS I OR II EMBEDMENT MATERIALS WILL BE CONSIDERED SUITABLE.

5. SYSTEM TESTING:

A. INSTALLED PIPE SHALL BE TESTED IN ACCORDANCE WITH CHAPTER 1.3 OF THE SUBDIVISION DESIGN MANUAL AND WITH THE RECOMMENDATIONS OF THE MANUFACTURER AND ACCEPTABLE BY THE CITY OF BAKERSFIELD. 24 HOURS NOTICE WILL BE REQUIRED FOR TEST AND INSPECTION.

6. WYE-FITTINGS SHALL BE INJECTION MOLDED IN-LINE AND SHALL BE USED FOR ALL LATERAL CONNECTIONS AND SHALL BE ROTATED A MINIMUM OF 23° AND A MAXIMUM OF 45° ABOVE THE HORIZONTAL PLANE RUNNING THROUGH THE CENTERLINE OF THE MAIN. WYE-FITTINGS ONLY SHALL BE USED FOR VCP. ALL SEWER STUBS SHALL BE CLOSED WITH A STANDARD PLASTIC PLUG (SOLVENT WELDED).

7. THE MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BAKERSFIELD DRAWING S-7 AND S-8 AND SECTION 70-1.02H AND 71-1.07 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, LATEST EDITION. THE CLEANOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BAKERSFIELD STANDARD DRAWINGS S-20.

8. ALL SEWER LATERALS TO BE 4" IN DIAMETER EXCEPT AS NOTED ON PLANS AND EXTEND 4 FEET BEYOND PROPERTY LINE.

9. SURFACE MARKERS FOR SEWER LATERALS SHALL BE INSTALLED PER CITY OF BAKERSFIELD DRAWING SW-1.

10. 24 HOUR NOTICE IS REQUIRED FOR TESTING AND INSPECTION.

11. FOR CURVED PIPE: IDENTIFICATION TAPE DESIGNED FOR USE ON SEWERS SHALL BE PLACED ON TOP OF SEWER MAIN ALONG ITS ENTIRE LENGTH. IDENTIFICATION TAPE SHALL ALSO BE PLACED ON SEWER LATERALS EXTENDING 1 FOOT ABOVE SEWER MAIN TO RIGHT-OF-WAY LINE.

CITY OF BAKERSFIELD SEWER SPECIFICATIONS (CONT'D):

12. SEWER FORCE MAIN PIPE:

- A. POLYVINYL CHLORIDE PIPE (PVC) FOR SEWER FORCE MAIN SHALL BE CLASS 150 (DR18) OR CLASS 200 (DR14) AND SHALL COMPLY WITH AWWA SPECIFICATIONS FOR 12" AND LESS.
- B. PVC JOINTS FOR SEWER FORCE MAIN SHALL HAVE ELASTOMERIC GASKET JOINTS, EITHER GASKET BELL AND SPIGOT TYPE OR PLAIN END WITH GASKET COUPLING TYPE.
- C. FITTINGS: SPECIALS AND FITTING SHALL BE DUCTILE-IRON CONFORMING TO AWWA SPECIFICATION C100, CLASS D, EXCEPT THAT FITTING SHALL HAVE ALL BELL CONNECTIONS OF STANDARD AWWA DIMENSIONS OR SPECIAL DIMENSIONS AS REQUIRED, OR FITTINGS SHALL BE EQUIPPED WITH ADAPTERS OF THE PROPER CLASS FOR THE SIZE OF PIPE, AS RECOMMENDED BY THE PIPE MANUFACTURER, OR EQUAL. PROTECTIVE COATING SHALL BE IN ACCORDANCE WITH SECTION 5.15 OF THESE SPECIFICATIONS.

13. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SEWER LINES THAT THE NEW SYSTEM TIES INTO. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER SO THAT ANY NECESSARY ADJUSTMENTS CAN BE MADE TO THE PLANS.

14. PRIOR TO FINAL ACCEPTANCE, ALL SEWER LINES SHALL BE INSPECTED WITH VIDEO EQUIPMENT DESIGNED FOR THIS PURPOSE. THE TELEVISION CAMERA SHALL HAVE THE CAPABILITY TO ROTATE 360°, IN ORDER TO VIEW AND RECORD THE TOP AND SIDES OF THE PIPE, AS REQUIRED. THE VIDEO INSPECTION SHALL BE WITNESSED BY THE CONSTRUCTION INSPECTOR, WHO WILL ALSO INITIAL AND DATE THE "CHAIN OF CUSTODY" FORM. THE SUBDIVIDER SHALL IMMEDIATELY NOTIFY THE CITY OF ANY PIPE LOCATIONS REVEALED TO BE NOT IN COMPLIANCE WITH THE SPECIFICATIONS. A RECORDED VIDEO CASSETTE, THE COMPLETED "CHAIN OF CUSTODY" FORM AND A WRITTEN LOG (WHICH INCLUDES THE STATIONING, BASED ON THE STATIONING OF THE APPROVED PLANS, OF ALL CONNECTED LATERALS) OF THE INSPECTION SHALL BE PROVIDED FOR VIEWING, AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ACCEPTANCE. AFTER ACCEPTANCE, THE VIDEO CASSETTE SHALL BECOME THE PROPERTY OF THE CITY.

15. AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK PERFORMED WITHIN EXISTING ACCEPTED STREET RIGHT-OF-WAY. UNLESS SECURED BY A SUBDIVISION AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN THE RIGHT-OF-WAY AND INSURANCE AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A BUILDING PERMIT.

16. CLASS I BEDDING AND EMBANKMENT IS REQUIRED FOR ALL PLASTIC SEWER PIPE WITHIN THE PIPE ZONE.

17. CONTRACTOR TO VERIFY POSITIVE SLOPE FROM MANHOLE PRIOR TO CONNECTING STUB. IF THE POSITIVE SLOPE DOES NOT EXIST, REPLACE STUB TO MANHOLE.

CITY OF BAKERSFIELD WATER SPECIFICATIONS:

CHAPTER V - MATERIALS

5.1 PURPOSES: THIS CHAPTER ESTABLISHES MINIMUM ACCEPTABLE STANDARDS AND CRITERIA FOR MATERIALS TO BE USED IN CONSTRUCTION. SEE ALSO PLUMBING STANDARDS FOR BAKERSFIELD CITY SCHOOL DISTRICT. IN THE EVENT OF A CONFLICT BETWEEN THESE SPECIFICATIONS, THE PLANS, AND THE STANDARDS OF THE BAKERSFIELD CITY SCHOOL DISTRICT (DISTRICT), HEREIN, DISTRICT'S STANDARDS SHALL PREVAIL.

5.2 QUALITY OF MATERIALS: ALL MATERIAL INCORPORATED INTO THE WORK SHALL BE NEW AND SHALL CONFORM TO THESE STANDARDS AND SPECIFICATIONS. NO MATERIAL SHALL BE INCORPORATED INTO THE WORK UNTIL IT HAS BEEN APPROVED BY THE INSPECTOR. ANY REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE.

5.2.1 CERTIFICATE OF COMPLIANCE: A CERTIFICATE OF COMPLIANCE SHALL BE FURNISHED PRIOR TO THE USE OF ANY MATERIALS OR EQUIPMENT. THE CERTIFICATE SHALL BE SIGNED BY THE MANUFACTURER OF THE MATERIALS OR EQUIPMENT. A CERTIFICATE OF COMPLIANCE SHALL BE FURNISHED WITH EACH LOT OF MATERIAL DELIVERED TO THE WORK AND THE LOT SO CERTIFIED SHALL BE CLEARLY IDENTIFIED IN THE CERTIFICATE.

5.3 POLYVINYL CHLORIDE PIPE (PVC): PVC PIPE SHALL BE MANUFACTURED FOR USE IN WATER SYSTEMS AND SHALL BE DESIGNATED AS CLASS 150 (DR18) OR CLASS 200 (DR14), AND SHALL COMPLY WITH AWWA C900-75 SPECIFICATIONS FOR 12" AND LESS, AND AWWA C905-88 FOR PIPE 14" TO 36" IN DIAMETER. OUTSIDE DIAMETER OF PVC PIPE SHALL BE EQUIVALENT TO CAST-IRON PIPE.

5.3.1 PVC JOINTS: PVC PIPE SHALL HAVE ELASTOMERIC GASKET JOINTS, EITHER GASKET BELL AND SPIGOT TYPE OR PLAIN END WITH GASKET COUPLING TYPE.

5.3.2 FITTINGS: SPECIALS AND FITTINGS SHALL BE CAST-IRON CONFORMING TO AWWA SPECIFICATION C100, CLASS D, EXCEPT THAT FITTING SHALL HAVE ALL BELL CONNECTIONS OF STANDARD AWWA DIMENSIONS OR SPECIAL DIMENSIONS AS REQUIRED, OR FITTINGS SHALL BE EQUIPPED WITH ADAPTERS OF THE PROPER CLASS FOR THE SIZE OF PIPE, AS RECOMMENDED BY THE PIPE MANUFACTURER, OR EQUAL. PROTECTIVE COATING SHALL BE IN ACCORDANCE WITH SECTION 5.15 OF THESE SPECIFICATIONS.

5.4 COUPLINGS: RUBBER RING COUPLINGS SHALL BE "FLUID-TITE" AS MANUFACTURED BY KEASBEY & MATTISON COMPANY OR "RING-TITE" AS MANUFACTURED BY JOHNS-MANVILLE COMPANY, OR EQUAL.

5.4.1 FITTINGS: SPECIALS AND FITTINGS SHALL BE CAST IRON AS SPECIFIED IN SECTION 5.3.2 OF THESE SPECIFICATIONS.

5.5 SMALL SIZE PIPE FOR BLOW-OFFS OR SIMILAR USES SHALL BE GALVANIZED STEEL CONFORMING TO ASTM DESIGNATION A-120.

5.5.1 WELDED FITTINGS: STEEL WELDED FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A-234.

5.5.2 FLANGES: STEEL PIPE FLANGES SHALL CONFORM TO THE REQUIREMENTS OF AWWA SPECIFICATION C-207.

5.5.3 BOLTS: MATERIAL FOR BOLTS SHALL CONFORM TO THE REQUIREMENTS FOR OPEN HEARTH, FREE CUTTING GRADE BAR STEEL, ASTM DESIGNATION A-107. BOLTS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 60,000 PSI. BOLT HEADS SHALL BE EITHER SQUARE OR HEXAGON AND NUTS SHALL BE COLD PRESSURED SEMI-FINISHED HEXAGON.

5.5.4 GASKETS: FLANGED JOINTS SHALL BE PROVIDED WITH 1/16TH-INCH THICK GASKETS, CRANITE, OR EQUAL.

5.5.5 SLEEVE-TYPE COUPLINGS: SLEEVE-TYPE COUPLINGS SHALL BE STYLE 38 DRESSER OR SMITH-BLAIR ADAPTER COUPLINGS OR APPROVED EQUAL, AND SHALL BE OF STEEL WITH STEEL BOLTS, WITHOUT CENTERING RING. THE MIDDLE RING SHALL BE NOT LESS THAN 1/4 INCH IN THICKNESS.

5.6 VALVES: ALL VALVES SHALL BE CAST-IRON BODY, BRONZE MOUNTED, SOLID BRONZE INTERNAL WORKING PARTS WITH NON-RISING STEMS, AND SHALL BE OPENED BY TURNING COUNTER-CLOCKWISE. BRONZE SHALL BE GRADE I AND SHALL CONFORM TO ASTM-B-62 (85-5-5-5) BRONZE (85% COPPER, 5% ZINC, 5% LEAD, AND 5% TIN). VALVES SHALL BE DESIGNED FOR A MINIMUM WORKING PRESSURE OF 150 PSI. VALVES 2 INCHES AND LARGER SHALL CONFORM TO THE REQUIREMENTS OF AWWA C500, EXCEPT AS OTHERWISE PROVIDED IN THESE SPECIFICATIONS. VALVES SMALLER THAN 2 INCHES SHALL CONFORM TO THE REQUIREMENTS OF FEDERAL SPECIFICATION WW-V-54, EXCEPT AS OTHERWISE PROVIDED.

5.6.1 TESTS: EACH VALVE SHALL HAVE THE MANUFACTURER'S INITIALS, PRESSURE RATING, AND YEAR OF MANUFACTURE CAST IN THE BODY. VALVES SHALL BE TESTED IN THE FACTORY AT A HYDRAULIC PRESSURE EQUAL TO TWICE THE SPECIFIED WATER WORKING PRESSURE. FACTORY TEST RESULTS SHALL BE SUPPLIED TO THE DISTRICT UPON REQUEST.

CITY OF BAKERSFIELD WATER SPECIFICATIONS (CONT'D):

5.6.2 COATING: ALL VALVE BODIES AND CAST-IRON PORTIONS OF THE HOUSINGS AND EXTENSIONS SHALL BE COATED IN ACCORDANCE WITH SECTION 5.15 OF THESE SPECIFICATIONS.

5.6.3 GATE VALVES: GATE VALVES SHALL BE DOUBLE-DISC, PARALLEL FACED AND SHALL HAVE A CLEAR WATERWAY EQUAL TO THE FULL NOMINAL DIAMETER OF THE PIPE. RESILIENT SEALED GATE VALVES IN ACCORDANCE WITH AWWA C509-87, ARE APPROVED FOR USE BY THE DEPARTMENT.

5.7 VALVE BOXES: VALVE BOXES IN SIDEWALKS, PARKWAYS, AND OTHER AREAS SHALL CONSIST OF A CAST IRON VALVE BOX AND RISER AND A CAST IRON LOCKING COVER IN ACCORDANCE WITH THE STANDARD DETAILS. THE CAST-IRON COVERS SHALL BE HOT-DIPPED ASPHALT-COATED AND SHALL HAVE THE WORD "WATER" CAST IN THE TOP.

IN ANY AREAS SUBJECT TO TRAFFIC, A CLASS "B" CONCRETE PAD SHALL BE POURED AROUND THE RISER IN ACCORDANCE WITH THE STANDARD DETAILS.

5.8 WATER SERVICE PIPE AND TUBING: RESIDENTIAL WATER SERVICE PIPE SHALL BE COPPER WATER TUBING, COPPER WATER PIPE, OR POLYETHYLENE PLASTIC TUBING IN ACCORDANCE WITH THE STANDARD DETAILS AND THE DISTRICT SPECIFICATIONS.

5.9 CORPORATION STOPS: ALL CORPORATION STOPS SHALL BE BRONZE OR BRASS, ROUND, WITH INLET FOR EITHER CORPORATION STOP (C.S.) THREAD FOR ASBESTOS-CEMENT, PVC OR CAST-IRON PIPE, OR IRON PIPE STANDARD (I.P.S.) THREAD FOR STEEL PIPE, AND OUTLET FOR THE TYPE OF SERVICE PIPE USED.

5.10 METER STOPS: ALL METER STOPS SHALL BE BRONZE OR BRASS, WITH INLET FOR THE TYPE OF SERVICE PIPE USED, AND OUTLET FOR THE TYPE OF SERVICE PIPE OR METER COUPLING USED.

5.11 FIRE HYDRANTS: FIRE HYDRANTS SHALL BE PURCHASED DIRECTLY FROM THE CITY OF BAKERSFIELD FIRE DEPARTMENT. FIRE HYDRANTS SHALL BE MUELLER COMPANY NO. A-24009 COMPLETE WITH PROPER BURY LENGTH, EXCEPT FIRE HYDRANTS SHALL BE JONES COMPANY J-344 WHERE ANGLE FIRE PLUGS HAVE BEEN INDICATED. HOSE THREADS SHALL BE NATIONAL STANDARD HOSE THREADS.

5.12 PORTLAND CEMENT CONCRETE: PORTLAND CEMENT CONCRETE SHALL BE CLASS "B" AND SHALL CONTAIN A MINIMUM OF 5 SACKS (470 POUNDS) OF CEMENT PER CUBIC YARD. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.

5.12.1 MATERIALS FOR CONCRETE SHALL BE PORTLAND CEMENT CONFORMING TO ASTM SPECIFICATIONS FOR TYPE I OR TYPE II, WELL GRADED, SOUND, NON-REACTIVE AGGREGATE, AND CLEAN WATER.

5.13 PROTECTIVE COATINGS: ALL VALVES, FLANGES, BOLTS, FITTINGS AND PIPING FOR INSTALLATION SHALL BE SHOP COATED AND FIELD REPAIRED AS NECESSARY PRIOR TO BACKFILLING IN CONFORMANCE WITH THE FOLLOWING SCHEDULE:

1. EXTERIOR SURFACES OF BURIED STEEL PIPE TO A POINT 4 INCHES ABOVE FINISH GRADE.	COAL TAR EPOXY OR CEMENT MORTAR	AWWA C 205
2. INTERIOR SURFACES OF STEEL PIPE.	COAL TAR EPOXY OR FUSION EPOXY	AWWA C 205
3. ALL EXPOSED FERROUS METAL SURFACES.	RED PRIMER	2 COATS
4. BURIED VALVES, COUPLINGS AND OTHER SURFACES NOT OTHERWISE DESIGNATED TO BE CEMENT MORTAR COATED.	COAL TAR ENAMEL	2 COATS 16 MILS

ALL SURFACES TO BE PAINTED OR COATED SHALL BE PROPERLY CLEANED WITH APPROVED EQUIPMENT BEFORE APPLICATION OF COATING MATERIALS. THE REMOVAL OF OIL OR GREASE SHALL BE ACCOMPLISHED WITH SUITABLE SOLVENTS BEFORE MECHANICAL CLEANING IS STARTED. ANY GRIT OR DUST REMAINING ON THE SURFACE FROM THE CLEANING OPERATIONS SHALL BE REMOVED BEFORE COATING MATERIALS ARE APPLIED.

5.14 MISCELLANEOUS: MATERIALS OR EQUIPMENT NOT INCLUDED IN THESE SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE STANDARD DETAILS.

5.14.1 SPECIAL EQUIPMENT OR MATERIALS NOT INCLUDED IN THE SPECIFICATIONS OR STANDARD DETAIL SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL.

CHAPTER VI - INSTALLATION OF WATER SYSTEM

6.1 PURPOSE: THIS SECTION ESTABLISHES THE MINIMUM ACCEPTABLE STANDARDS FOR INSTALLATION AND CONSTRUCTION OF CITY OF BAKERSFIELD WATER IMPROVEMENTS, INCLUDING TRENCHING, CONSTRUCTION AND INSTALLATION.

6.2 TRENCHING: THE MINIMUM WIDTH OF TRENCH SHALL BE OUTSIDE DIAMETER OF THE PIPE PLUS 12 INCHES. A MINIMUM OF 6 INCHES OF CLEARANCE SHALL BE PROVIDED FROM THE OUTSIDE FACE OF THE PIPE TO THE TRENCH WALL. EXCESSIVE TRENCH WIDTHS GREATER THAN 16 INCHES MORE THAN THE PIPE OUTSIDE DIAMETER SHALL BE AVOIDED WHENEVER POSSIBLE.

6.2.1 PIPE DEPTH: FOR WATER MAINS AND SERVICES 12 INCHES AND LESS IN INSIDE DIAMETER A MINIMUM OF 30 INCHES OF COVER FROM TOP OF PIPE TO FINISHED GRADE, OR FOR PIPE LOCATED WITHIN STREETS, A MINIMUM OF 30 INCHES OF COVER FROM TOP OF PIPE TO GUTTER FLOWLINE, SHALL BE MAINTAINED. FOR WATER MAINS LARGER THAN 12 INCHES IN DIAMETER, 36 INCHES OF COVER SHALL BE MAINTAINED, MEASURED FOR THE VARIOUS PIPE LOCATIONS AS DEFINED IN THIS SECTION.

6.2.2 WHEN WATER MAINS CROSS ROADWAYS THAT HAVE NOT BEEN CONSTRUCTED TO FULL ULTIMATE WIDTH, ADEQUATE TRENCH DEPTH SHALL BE PROVIDED SUCH THAT MINIMUM COVER REQUIREMENTS AS STATED ARE SATISFIED WHEN THE ROADWAY IS CONSTRUCTED TO ITS ULTIMATE WIDTH.

6.2.3 TRENCH BOTTOM: THE BOTTOM OF TRENCH SHALL BE EXCAVATED TO THE ESTABLISHED GRADE LINE OF THE PIPE AND SHALL BE SMOOTH, EVEN AND FLAT FOR THE ENTIRE WIDTH OF TRENCH. AT EACH JOINT OF PIPE THE BOTTOM OF THE TRENCH SHALL BE RECESSED IN SUCH A MANNER AS TO BELIEVE THE PIPE BALL OR COUPLING OF ALL LOAD AND TO ENSURE CONTINUOUS BEARING ALONG THE PIPE BARREL.

WHERE EXCAVATION ENCOUNTERS BOULDERS, ROCK, HARDPAN, OR OTHER HARD OR UNYIELDING MATERIAL, THE TRENCH SHALL BE EXCAVATED A MINIMUM OF 6 INCHES BELOW THE ESTABLISHED GRADE, AND BACKFILLED TO PROPER GRADE WITH MATERIAL ACCEPTABLE TO THE DISTRICT. BACKFILL MATERIAL SHALL BE COMPACTED TO 90% OF RELATIVE COMPACTION.

WHERE EXCAVATION ENCOUNTERS SOFT, UNSTABLE, OR EXCESSIVELY WET MATERIAL, SUCH MATERIAL SHALL BE REMOVED TO A DEPTH AS DIRECTED BY THE ENGINEER, AND REPLACED WITH MATERIAL ACCEPTABLE TO THE DISTRICT.

6.2.4 NUISANCE WATER: PIPE TRENCH AND ANY OTHER EXCAVATION SHALL BE KEPT ENTIRELY FREE OF WATER UNTIL ALL PIPE HAS BEEN PLACED AND APPROVED. WATER SHALL BE DISPOSED IN SUCH A MANNER AS TO NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, NOR CREATE A PUBLIC NUISANCE.

6.2.5 BACKFILL: BACKFILL SHALL BE INITIALLY PLACED AND COMPACTED FROM THE PIPE BED OR FOUNDATION TO THE "SPRINGLINE" OF THE PIPE. BACKFILL SHALL BE SUFFICIENTLY RODDED OR HAND-TAMPED TO ENSURE REQUIRED COMPACTION IS OBTAINED ON ALL SIDES OF THE PIPE. SUBSEQUENT BACKFILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS, AND SHALL BE COMPACTED BY APPROVED METHOD SO AS TO NOT CAUSE INJURY OR DISTURBANCE OF THE PIPE. FLOODING OF TRENCHES MAY BE PERMITTED BY THE DEPARTMENT PROVIDED FOUNDATION AND BACKFILL MATERIAL IS SUFFICIENTLY GRANULAR AND OPEN GRADED IN NATURE SUCH THAT REQUIRED COMPACTION MAY BE OBTAINED.

CITY OF BAKERSFIELD WATER SPECIFICATIONS (CONT'D):

BACKFILL MATERIAL SHALL BE FREE OF ALL TRASH, DEBRIS, ROCKS LARGER THAN 3/4" IN ANY DIMENSION, ORGANIC OR OTHER DELETERIOUS MATERIAL. COMPACTION SHALL BE OBTAINED IN ACCORDANCE WITH THE STANDARD DETAILS. MAXIMUM DENSITY AND OPTIMUM MOISTURE SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D-1557.

COSTS OF COMPACTION TESTING SHALL BE BORNE BY THE DEVELOPER AND SHALL BE PERFORMED BY A COMPANY OR INDIVIDUAL PROPERLY LICENSED TO PERFORM SUCH WORK.

6.2.6 TRENCH SAFETY: EXCAVATIONS SHALL BE SUPPORTED IN CONFORMANCE WITH THE RULES, ORDERS, AND REGULATIONS OF THE INDUSTRIAL ACCIDENT COMMISSION AND THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA.

6.3 PIPE PLACEMENT & MATERIAL HANDLING: ALL PIPE AND PIPE MATERIAL SHALL BE HANDLED, STORED, LAID, BLOCKED AND JOINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS EXCEPT AS OTHERWISE PROVIDED IN THE STANDARD DETAILS AND THESE SPECIFICATIONS.

6.3.1 EVERY PRECAUTION SHALL BE TAKEN TO PREVENT FOREIGN MATERIAL FROM ENTERING THE PIPE DURING INSTALLATION. ALL OPEN ENDS OF PIPE SHALL BE PROPERLY COVERED AT THE END OF THE DAY TO PREVENT THE ENTRY OF FOREIGN MATTER, ANIMALS OR CHILDREN. NO TOOLS, RAGS, OR OTHER EQUIPMENT SHALL BE PLACED IN THE PIPE DURING INSTALLATION.

6.3.2 HANDLING: HOISTING OF PIPE BY MECHANICAL MEANS SHALL REQUIRE USE OF A CLOTH BELT OR CONTINUOUS FIBER ROPE THAT DOES NOT SCRATCH THE PIPE SURFACE.

PIPE SHALL BE CAREFULLY LOWERED INTO TRENCH SUCH THAT PIPE BEDDING OR FOUNDATION WILL NOT BE DISTURBED AND PIPE WILL NOT BE INJURED. ANY PIPE THAT IS MARRED, CRACKED, OR SCRATCHED FORMING A CLEAR DEPRESSION SHALL BE REJECTED.

6.3.3 CAST IRON FITTINGS: CAST IRON FITTINGS SHALL BE LOWERED INTO TRENCH BY MECHANICAL MEANS. CAST IRON FITTINGS SHALL BE RUNG WITH A LIGHT HAMMER WHILE SUSPENDED TO DETECT CRACKS, AND SHALL BE INSPECTED FOR SCRATCHES OF THE SURFACE COATING AND OTHER DEFECTS.

ANY MATERIAL REJECTED SHALL BE PROMPTLY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH SUITABLE MATERIAL.

WHEN THE SEAL BETWEEN THE PIPE AND THE BELL END OF THE FITTING IS MADE WITH A RIGID JOINTING MATERIAL, THE LENGTH OF THE PIPE SHALL NOT EXCEED 3 FEET, 3 INCHES FOR PIPE 6 INCHES AND LESS IN INSIDE DIAMETER. WHEN PIPE IS 9 INCHES AND MORE IN DIAMETER, THE LENGTH OF THE PIPE SHALL NOT EXCEED 6 FEET, 6 INCHES. WHEN A RUBBER RING-TYPE CAST-IRON FITTING IS USED TO MAKE THE JOINT, LENGTHS OF PIPE UP TO 13 FEET MAY BE USED FOR ENTERING BELLS OF FITTINGS.

6.3.4 STORAGE: PVC PIPE SHALL NOT BE STACKED HIGHER THAN 4 FEET NOR STACKED WITH WEIGHT ON THE BELLS. IF PVC PIPE IS STORED FOR PROLONGED PERIODS IT SHALL BE PROTECTED FROM ULTRAVIOLET LIGHT BY COVERING.

6.3.5 P.V.C. PIPE INSTALLATION: THE MANUFACTURER'S RECOMMENDATIONS SHALL BE STRICTLY ADHERED TO EXCEPT AS OTHERWISE PROVIDED HEREIN.

THE BELL AND SPIGOT SHALL BE THOROUGHLY WIPED CLEAN JUST PRIOR TO COUPLING. THE RUBBER GASKET SHALL BE INSERTED, AND THE SPIGOT END SHALL BE LUBRICATED JUST PRIOR TO JOINING PIPES. THE RUBBER RING GASKET SHALL BE CHECKED FOR PROPER PLACEMENT WITH A FEELER GAGE AFTER JOINING PIPE.

SPECIFICATIONS FOR LENGTHS OF P.V.C. PIPE ENTERING AND EXITING STRUCTURES, DEFLECTING PIPE, AND CUTTING PIPE SHALL CONFORM TO THE REQUIREMENTS OF A.C. PIPE IN SECTION 6.2.5 OF THESE SPECIFICATIONS.

6.3.6 SETTING VALVES AND VALVE BOXES: VALVES SHALL BE SET TRULY PLUMB WITH VALVE BOXES DIRECTLY OVER THE WRENCH NUT OF THE VALVE. THE VALVE BOX SHALL NOT TRANSMIT SHOCK OR STRESS TO THE VALVE. AFTER BEING CORRECTLY POSITIONED FOR LINE AND GRADE, EARTH FILL SHALL BE CAREFULLY TAMPED AROUND THE VALVE BOX.

6.3.7 SETTING AIR AND VACUUM RELIEF VALVE INSTALLATIONS: THE GATE VALVE IMMEDIATELY BELOW THE RELIEF VALVE SHALL BE SET TO THE GRADE INDICATED ON THE DRAWINGS OR APPROVED BY THE ENGINEER. SUFFICIENT CLEARANCE SHALL BE PROVIDED BELOW THE VALVE FOR THE INSTALLATION OF A CONCRETE PAD TO SUPPORT A PROTECTIVE ENCLOSURE.

6.3.8 SETTING HYDRANTS AND ANGLE FIRE PLUGS: ALL HYDRANTS SHALL STAND PLUMB AND SHALL HAVE THEIR NOZZLES PARALLEL WITH OR AT RIGHT ANGLES TO THE CURB, WITH THE PUMPER NOZZLE FACING THE CURB, EXCEPT THAT HYDRANTS HAVING TWO HOSE NOZZLES 90 DEGREES APART SHALL BE SET WITH EACH NOZZLE FACING THE CURB AT AN ANGLE OF 45 DEGREES. HYDRANTS SHALL BE SET TO THE ESTABLISHED GRADE EXCEPT THAT WHERE NOT SHOWN, NOZZLES SHALL BE AT LEAST 18 INCHES ABOVE GROUND.

UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED, EACH HYDRANT SHALL BE CONNECTED TO THE MAIN WITH A 6 INCH BRANCH LINE CONTROLLED BY AN INDEPENDENT 6 INCH GATE VALVE.

THE BOWL OF EACH HYDRANT SHALL BE WELL BRACED AGAINST UNDISTURBED EARTH AT THE END OF THE TRENCH WITH CONCRETE BACKING.

EACH ANGLE FIRE PLUG SHALL BE CONNECTED TO THE MAIN WITH A 4 INCH BRANCH LINE, CONTROLLED BY AN INDEPENDENT INCH GATE VALVE. ANGLE FIRE PLUG SHALL BE SET WITH THE 2-1/2 INCH OUTLET FACING THE CURB AND SHALL BE SET TO ESTABLISHED GRADE EXCEPT, THAT WHERE NOT SHOWN, NOZZLE SHALL BE AT LEAST 18 INCHES ABOVE GROUND.

6.3.9 CONCRETE THRUST BLOCKS: CONCRETE THRUST BLOCKS SHALL BE INSTALLED ACCORDING TO THE STANDARD DETAILS AND SHALL BE POURED BETWEEN UNDISTURBED GROUND AND THE FITTING TO BE ANCHORED. THE CONCRETE SHALL BE PLACED SUCH THAT THE PIPE, VALVES, AND FITTINGS WILL BE ACCESSIBLE FOR REPAIRS.

CHAPTER VII - TESTING AND DISINFECTON

7.1 PURPOSE: THIS CHAPTER OUTLINES DISINFECTON AND TESTING REQUIRED FOR ACCEPTANCE OF NEWLY CONSTRUCTED WATER SYSTEMS.

7.2 HYDROSTATIC (LEAKAGE) TEST: AFTER COMPLETION OF THE PIPELINE INSTALLATION, THE LINE SHALL BE TESTED UNDER THE HYDROSTATIC PRESSURE TEST OF 150 PSI FOR A PERIOD OF NOT LESS THAN 4 HOURS FOR EACH SECTION OF PIPE TESTED. THE PRESSURE SHALL BE MAINTAINED BY RESTORING THE TEST PRESSURE WHENEVER IT FALLS AN AMOUNT OF 25 PSI. AT THE CONCLUSION OF THE 4 HOURS, THE TEST PRESSURE SHALL BE RESTORED AND ALL WATER USED DURING THE TESTS SHALL BE ACCURATELY MEASURED TO DETERMINE THE ACTUAL LEAKAGE.

7.2.1 THE CONTRACTOR SHALL PROVIDE SUITABLE CALIBRATED TANKS FOR MEASUREMENT OF LEAKAGE AND SHALL FURNISH NECESSARY BULKHEADS, PIPING, PUMPS, POWER, LABOR, AND SHALL PERFORM ALL WORK REQUIRED FOR FILLING THE PIPELINE AND FOR MAINTAINING THE REQUIRED WATER PRESSURE. THE DEPARTMENT OR INSPECTOR WILL PROVIDE CALIBRATED GAGES AND WILL MAKE NECESSARY READINGS.

7.2.2 THE CONTRACTOR, AT HIS OWN EXPENSE SHALL MAKE ALL NECESSARY REPAIRS OF THE WATER SYSTEM UNTIL THE PIPE IS FOUND TO BE SATISFACTORY.

7.2.3 ALLOWABLE LEAKAGE RATE: REGARDLESS OF THE RATE OF LEAKAGE, A DETECTABLE LEAKAGE POINT SOURCE SHALL BE FIXED. THE FOLLOWING ARE MAXIMUM ACCEPTABLE LEAKAGE RATES FOR A.C. AND P.V.C. PIPE OVER A 24 HOUR PERIOD:

P.V.C. PIPE: MAXIMUM ACCEPTABLE LEAKAGE RATE IS 10 GALLONS PER DAY PER INCH PIPE DIAMETER PER MILE OF PIPE OVER A 24 HOUR PERIOD.

CONTINUED ON SHEET 4

PINNACLE Civil Engineering, Inc.

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REVISIONS

DATE	
REVISED BY	
DATE	
REVISED BY	
DATE	
REVISED BY	

**NOTES & SPECIFICATIONS
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA**

JOB NO.:	09-419
DWG NO.:	09-419-BM
DATE:	09/10/2010
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	3

CITY OF BAKERSFIELD WATER SPECIFICATIONS (CONT'D):

(CONTINUED FROM SHEET 3)

7.3 DISINFECTION OF WATER LINES: AFTER HYDROSTATIC TESTING HAS BEEN COMPLETED, THE ENTIRE NEWLY CONSTRUCTED WATER SYSTEM INCLUDING PIPE, VALVES, FITTINGS, HYDRANTS, AND OTHER ACCESSORIES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C-601 AND AS SPECIFIED HEREIN.

7.3.1 CHLORINE APPLICATION: THE DISINFECTING AGENT SHALL BE CHLORINE IN LIQUID OR "TABLET" FORM APPLIED IN A QUANTITY SUFFICIENT TO PRODUCE A SOLUTION OF AT LEAST 50 PARTS PER MILLION BY WEIGHT IN SAMPLES TAKEN AT THE MOST DISTANT POINTS OF THE SYSTEM.

AFTER THE REQUIRED SOLUTION OF CHLORINE IS OBTAINED THE PIPES SHALL REMAIN CLOSED FOR 24 HOURS. AFTER A 24 HOUR DURATION, SAMPLES SHALL BE TAKEN AT THE SAME LOCATION AS THE INITIAL SAMPLE AND SHALL SHOW NO LESS THAN 10 PARTS PER MILLION BY WEIGHT, FAILING SHALL REQUIRE ADDITIONAL DISINFECTION AS DIRECTED BY THE DEPARTMENT.

7.3.2 DURING THE DISINFECTION PROCESS, ALL VALVES AND OTHER APPURTENANCES SHALL BE OPERATED WHILE THE SYSTEM IS FILLED WITH HEAVILY CHLORINATED WATER.

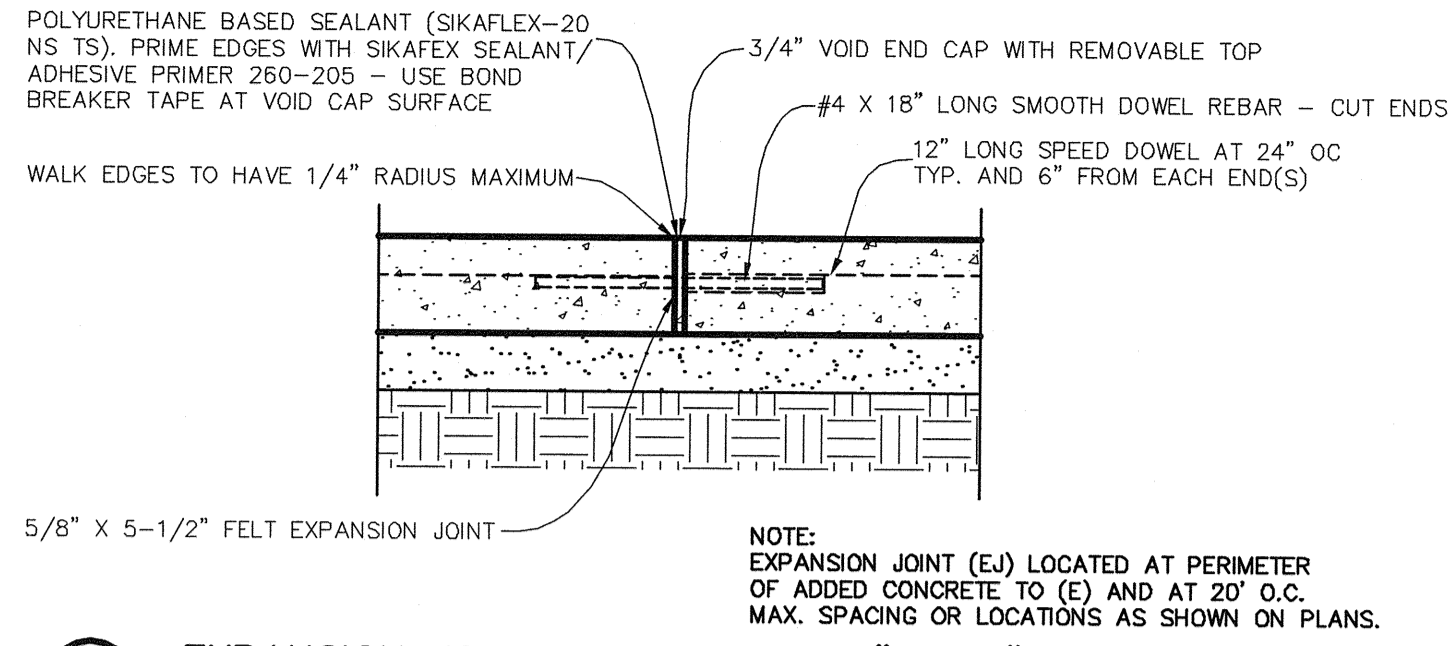
7.3.3 FLUSHING: AFTER THE 24 HOUR STERILIZATION PERIOD THE LINE SHALL BE THOROUGHLY FLUSHED TO REMOVE ALL STRONGLY CHLORINATED WATER UNTIL SAMPLES TAKEN AT VARIOUS POINTS AS DIRECTED TEST NOT IN EXCESS OF 1 PART PER MILLION. FOR THE PROTECTION OF PROPERTY DURING FLUSHING, THE ENGINEER MAY REQUIRE THE CONTRACTOR TO USE HOSES OR PIPE TO CONVEY THE WASTE WATER TO LOCATIONS WHERE NO DAMAGE WILL RESULT.

CARE SHALL BE TAKEN TO PREVENT STRONG CHLORINE SOLUTION IN THE LINE BEING TREATED FROM FLOWING BACK INTO THE EXISTING SYSTEM.

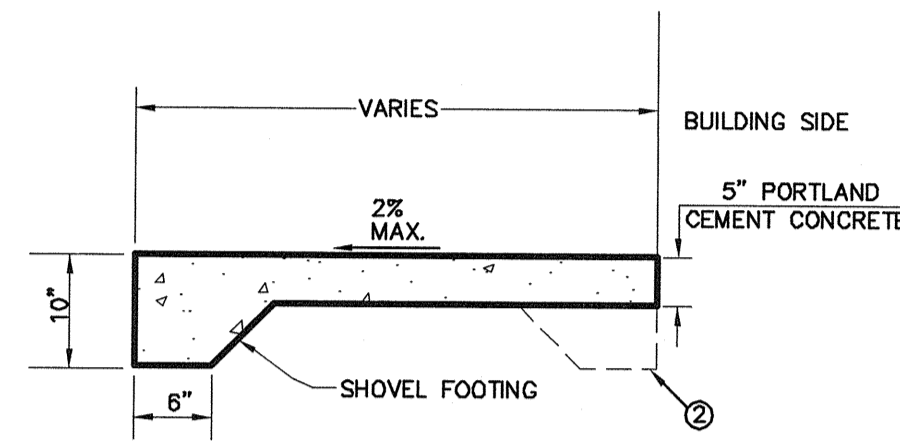
7.4 BACTERIOLOGICAL TESTS: THE DEPARTMENT SHALL REQUIRE A BACTERIOLOGICAL TEST. BACTERIOLOGICAL TESTS SHALL BE PERFORMED BY A QUALIFIED LABORATORY AND THE REQUIREMENTS OF SUCH TESTS SHALL BE IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THE STATE DEPARTMENT OF HEALTH SERVICES.

7.5 FIRE FLOW TESTS: THE CITY OF BAKERSFIELD FIRE DEPARTMENT WILL TEST NEWLY CONSTRUCTED WATER SYSTEMS TO DETERMINE IF MINIMUM STANDARDS FOR THE FIRE FLOW HAVE BEEN MET.

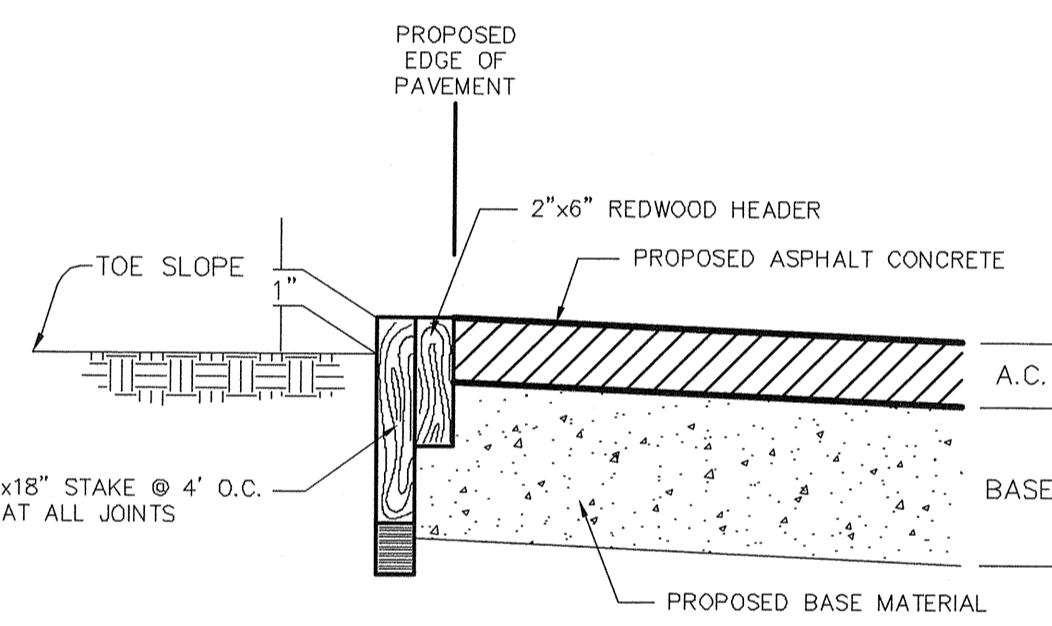
7.6 COSTS FOR TESTING: THE DEVELOPER OR DEVELOPER'S CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE VARIOUS ACCEPTANCE TESTS AND ANY NECESSARY REPAIRS, EXCEPT AS OTHERWISE STATED IN THESE SPECIFICATIONS.



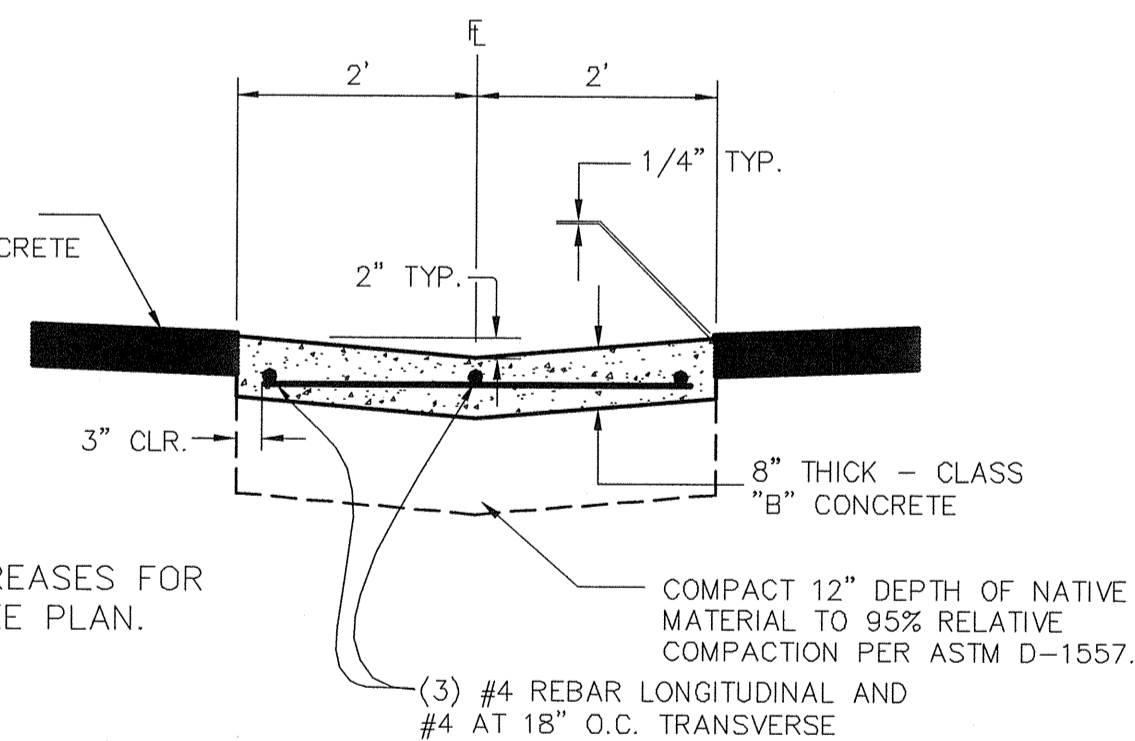
(D) 4 EXPANSION JOINT AT CONCRETE "JOINS"
N.T.S.



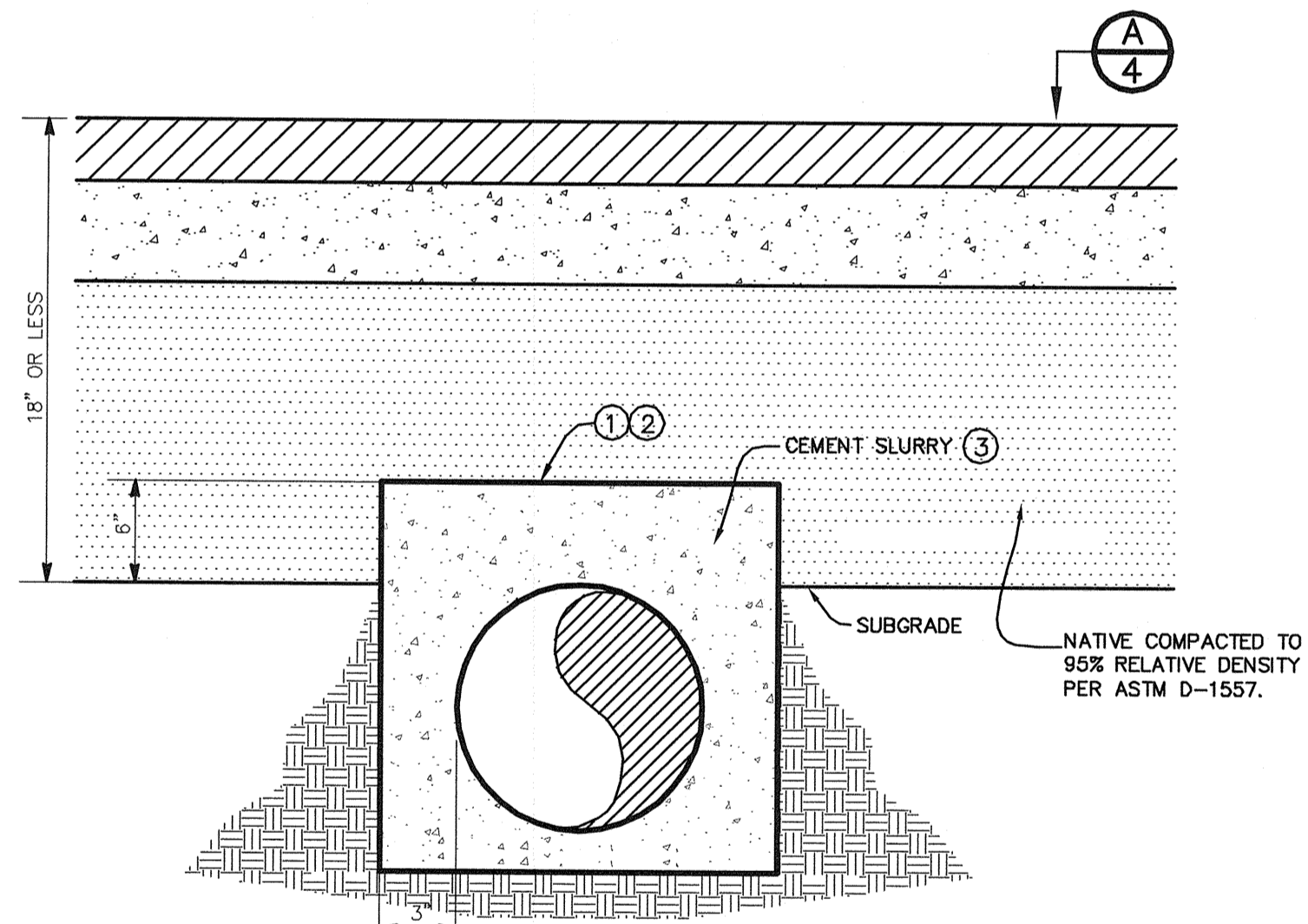
(E) 4 SIDEWALK SECTION
N.T.S.



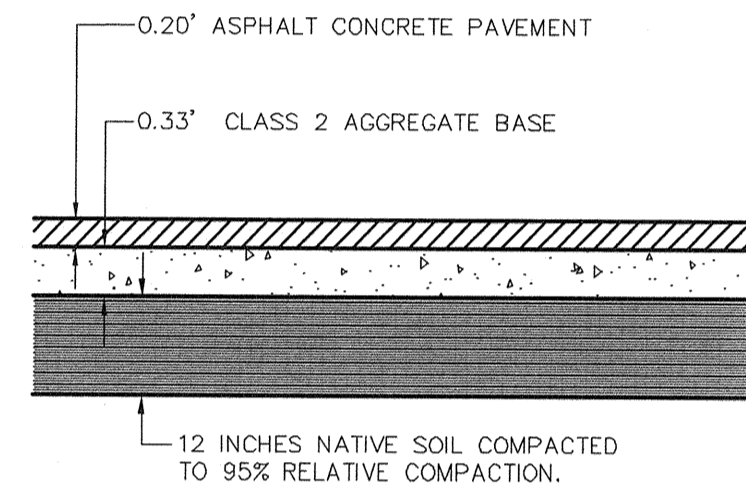
(F) 4 REDWOOD PAVING BOARD
N.T.S.



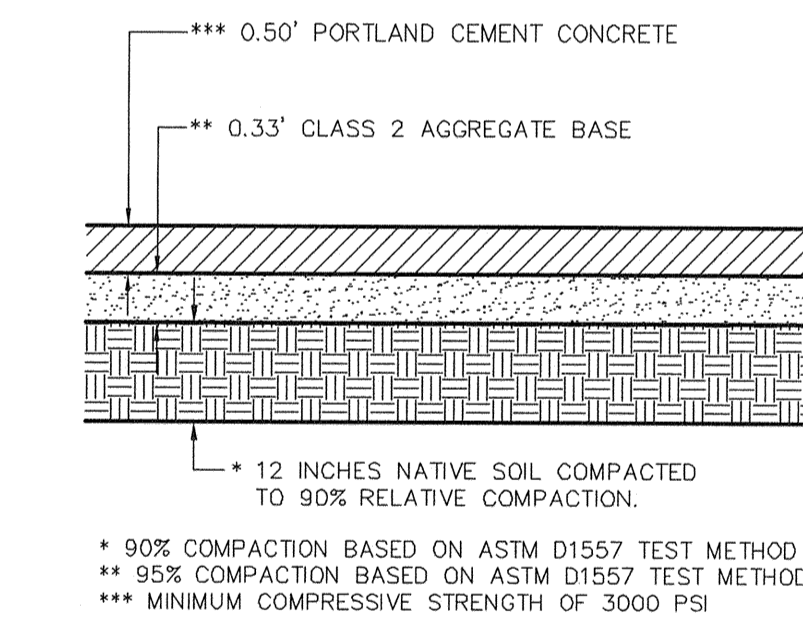
(J) 4 TRENCH SLURRY BACKFILL
N.T.S. (WHEN LESS THAN 18" OF COVER)



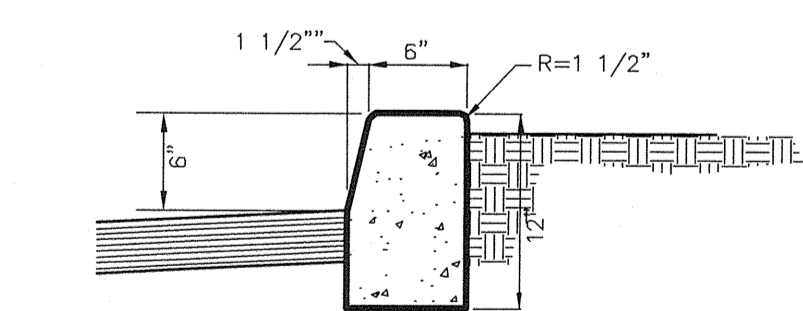
(K) 4 TRENCH SLURRY BACKFILL
N.T.S. (WHEN LESS THAN 18" OF COVER)



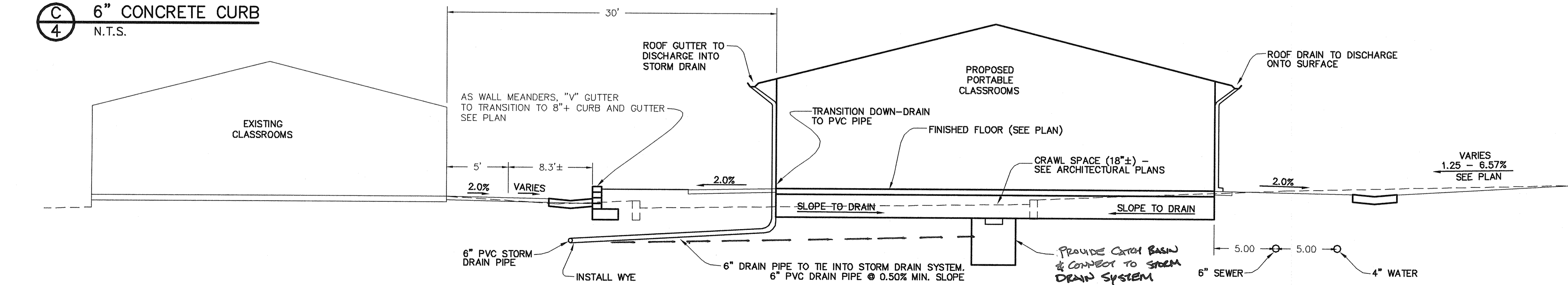
(A) 4 TYPICAL PAVING SECTION
N.T.S.



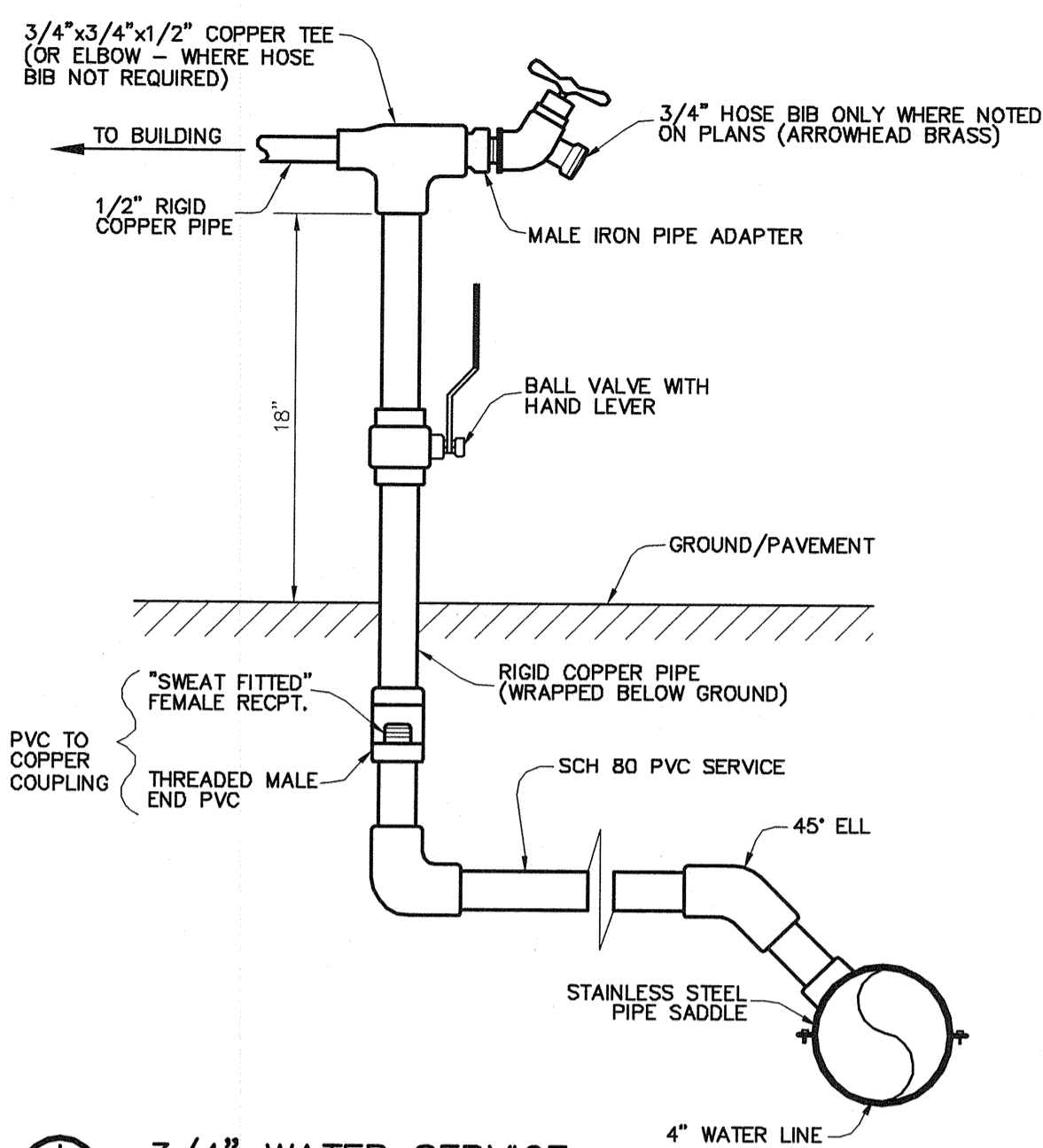
(B) 4 TYPICAL PORTLAND CEMENT PAVEMENT SECTION
N.T.S.



(C) 4 6" CONCRETE CURB
N.T.S.



(H) 4 FINISH GRADING / SURFACE SECTION (FACING WEST)
N.T.S.



(I) 4 3/4" WATER SERVICE
N.T.S.

CONSTRUCTION NOTES—GRADING, UTILITY & SITE IMPROVEMENTS

GRADING, PAVING AND FLATWORK:

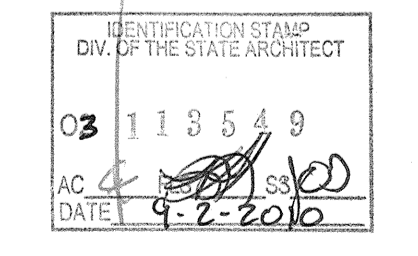
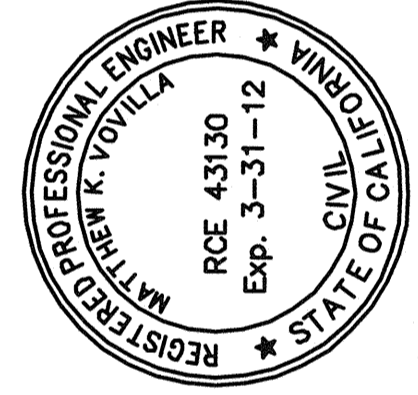
- 1) CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION WITHIN THE LIMITS OF WORK. PROTECT EXISTING UTILITIES THAT ARE TO REMAIN. SEE DEMOLITION NOTES, SHEET 2 HEREIN, AND ARCHITECT'S SPECIFICATIONS.
- 2) SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE PAVEMENT FOR PLACEMENT OF NEW UTILITIES. PATCH PAVEMENT IN ACCORDANCE WITH DETAIL (A) HEREIN.
- 3) CONTRACTOR SHALL CORDON OFF WORK AREAS WITH CAUTION TAPE, DELINEATORS AND BARRICADES, AND SHALL PROVIDE FOR SAFE PASSAGE OF STUDENTS AND DISTRICT EMPLOYEES.
- 4) PRIOR TO FINISH GRADING, THE BUILDING PAD AREA SHALL BE OVEREXCAVATED AND RECOMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS REPORT.
- 5) CONTRACTOR SHALL RESEARCH ALL EXISTING UTILITIES AND POINTS OF CONNECTION. AS A FIRST ORDER OF WORK, CONTRACTOR SHALL "POTHOLE" EXISTING UTILITIES TO VERIFY LOCATION AND DEPTH. DISCREPANCIES WITH THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER SUCH THAT ADJUSTMENTS MAY BE MADE PRIOR TO INSTALLATION.
- 6) PLACE AND COMPACT ASPHALT CONCRETE PAVEMENT OVER CLASS 2 AGGREGATE BASE OVER COMPACTED SUBGRADE IN ACCORDANCE WITH DETAIL (A) PLANS, THE SPECIFICATIONS AND CONTRACT DOCUMENTS.
- 7) CONSTRUCT REDWOOD HEADER BOARD PER DETAIL (F) AT ANY EDGE OF ASPHALT CONCRETE PAVEMENT NOT ABUTTING PORTLAND CEMENT CONCRETE.
- 8) CONSTRUCT PORTLAND CEMENT CONCRETE PAVEMENT OR WALKS IN ACCORDANCE WITH DETAIL (E) HEREIN. SAWCUT EXISTING ASPHALT CONCRETE PAVEMENT. NEW WALKS SHALL MEET ALL STATE AND FEDERAL ADA SPECIFICATIONS. CONCRETE FORMWORK SHALL BE CHECKED FOR ADA COMPLIANCE BY THE INSPECTOR PRIOR TO POUR.
- 9) CONSTRUCT 6" CONCRETE CURB PER DETAIL (C) HEREIN.
- 10) CONSTRUCT ADA ACCESSIBLE RAMP PER DETAIL (G) HEREIN.
- 11) FURNISH AND INSTALL ADA APPROVED DETECTABLE/TACTILE WARNING SURFACE TILE (TRUNCATED DOME MAT) ON EXISTING PORTLAND CEMENT CONCRETE SURFACE. SURFACE SHALL BE MANUFACTURED BY ARMOR TILE OR APPROVED EQUAL. MAT COLOR SHALL BE YELLOW IN ACCORDANCE WITH ADA REQUIREMENTS. CONTRACTOR SHALL SUBMIT CONCRETE ANCHORAGE DETAIL FOR APPROVAL.
- 12) PAINT NEW PARKING STALLS, ADA PARKING STALLS, PAVEMENT MARKINGS, AND ROUTES IN ACCORDANCE WITH THE PLANS. EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AND FOG SEALED PRIOR TO PAINTING NEW MARKINGS. FOG SEAL SHALL SET SUFFICIENTLY BEFORE APPLYING NEW PAINT. SEE DETAILS (X) AND (Y).
- 13) INSTALL ADA PARKING LOT SIGNS PER DETAIL (X) HEREIN.
- 14) FURNISH AND INSTALL 3" PRE-CAST CONCRETE PARKING BUMPERS. SAWCUT AND JOIN EXISTING PORTLAND CEMENT CONCRETE.
- 15) INSTALL CENTER OF CRAWL SPACE UNDER EACH PORTABLE CLASSROOM TO STEAM DRAIN SYSTEM.
- 16) ADJUST ALL EXISTING UTILITY BOXES TO FINISHED GRADE. CONCRETE COLLARS SHALL BE POURED AROUND CLEAN-OUTS, BLOWOFFS, AND UTILITY BOXES. SAWCUT AND POUR COLLARS AFTER COMPLETION OF NEW PAVEMENT.
- 17) VENT STRUCTURE SHALL BE CONSTRUCTED WITH FOUNDATION. SEE ARCHITECT'S PLANS FOR DETAIL.
- 18) REMOVE AND SALVAGE EXISTING BASKETBALL GOALS AND TETHERBALL POLES. DELIVER TO AN "ON-SITE" LOCATION AS DIRECTED BY THE DISTRICT.
- 19) INSTALL REBAR DOWELS PER DETAIL (D) HEREIN.
- 20) INTENTIONALLY LEFT BLANK.
- 21) INTENTIONALLY LEFT BLANK.
- 22) INTENTIONALLY LEFT BLANK.

DOMESTIC WATER NOTES:

- 23) SEE GENERAL NOTES AND SPECIFICATIONS ON SHEET 3 OF THESE PLANS.
- 24) CUT-IN/JOIN EXISTING WATER LINE. COORDINATE WITH DISTRICT FOR ACCEPTABLE TIMES TO SHUT OFF WATER SERVICE.
- 25) ALL UTILITIES WITH LESS THAN 18-INCHES OF COVER SHALL BE ENCASED IN A CONCRETE SLURRY PER DETAIL (J).
- 26) INSTALL 2-INCH DOMESTIC WATER LINE. SEE DISTRICT'S PLUMBING STANDARDS.
- 27) INSTALL 8-INCH PVC C900 FIRE WATER LINE, IN ACCORDANCE WITH CITY OF BAKERSFIELD STANDARD W-1.
- 28) INSTALL 8-INCH GATE VALVE AND VALVE BOX PER CITY OF BAKERSFIELD STANDARDS.
- 29) INSTALL 2-INCH GATE VALVE AND VALVE BOX PER DISTRICT STANDARDS.
- 30) INSTALL THRUST BLOCKS AT ALL WATERLINE ANGLE POINTS PER CITY OF BAKERSFIELD STANDARD W-2.
- 31) FURNISH AND INSTALL DOUBLE DETECTOR CHECK VALVE, OS&Y, PER COUNTY AND CITY FIRE DEPARTMENT STANDARDS.
- 32) INSTALL FIRE HYDRANT PER CITY OF BAKERSFIELD STANDARD W-3.
- 33) INSTALL WATERLINE BLOW-OFF PER CITY OF BAKERSFIELD STANDARD W-4.
- 34) INSTALL 3/4-INCH DOMESTIC SERVICE PER DETAIL (I) HEREIN. CONNECT TO PORTABLE PER MANUFACTURER'S RECOMMENDATIONS. EXCLUDE 3/4" HOSE BIB EXCEPT WHERE NOTED ON THE PLANS.
- 35) INTENTIONALLY LEFT BLANK.
- 36) INTENTIONALLY LEFT BLANK.

SEWER AND STORM DRAIN NOTES:

- 37) FURNISH AND INSTALL 8-INCH PVC STORM DRAIN, SDR 35.
- 38) FURNISH AND INSTALL 4-INCH PVC SEWER, SDR 35.
- 39) INSTALL PLUG IN SEWER WHERE NOTED.
- 40) FURNISH AND INSTALL 4-INCH PVC SEWER, SDR 35, WITH SEWER WYES FOR CONNECTION TO BUILDING SEWER.
- 41) INSTALL SEWER WYES IN STORM DRAIN LINE FOR CONNECTION TO ROOF DRAINS. INSTALL ADAPTOR FOR RECTANGULAR ROOF DRAIN TO CIRCULAR STORM DRAIN.
- 42) INSTALL SEWER CLEAN-OUT PER CITY OF BAKERSFIELD STANDARD SW-5, WHERE INDICATED FOR BOTH SEWER AND STORM DRAIN. CONSTRUCT CONCRETE COLLAR AROUND CLEANOUT PER C.O.B. STANDARD SW-5.
- 43) FURNISH AND INSTALL 24-INCH SQUARE DRAINAGE INLET - CHRISTY U23 WITH H20, ADA COMPLIANT AND HEEL PROOF GRATE. SEE SHEET 5 FOR DETAIL.
- 44) FURNISH AND INSTALL SEWER MANHOLE PER CITY OF BAKERSFIELD STANDARD SW-2.
- 45) EXCAVATE DEPRESSION AS SHOWN FOR STORM WATER RETENTION AND INFILTRATION. HYDROSEED DISTURBED AREA UPON COMPLETION OF GRADING AND INSTALLATION OF DRAINAGE APPURTENANCES.
- 46) INSTALL STORM DRAIN ROCK WELL PER DETAIL (S) HEREIN. INSTALL SEDIMENT BARRIER DURING CONSTRUCTION AND MAINTAIN UNTIL "GROW-IN" IS COMPLETE.
- 47) INSTALL 2-INCH SEWER LATERAL WITH WYE AND CLEAN-OUT. MAKE CONNECTION TO EACH PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION.
- 48) INTENTIONALLY LEFT BLANK.

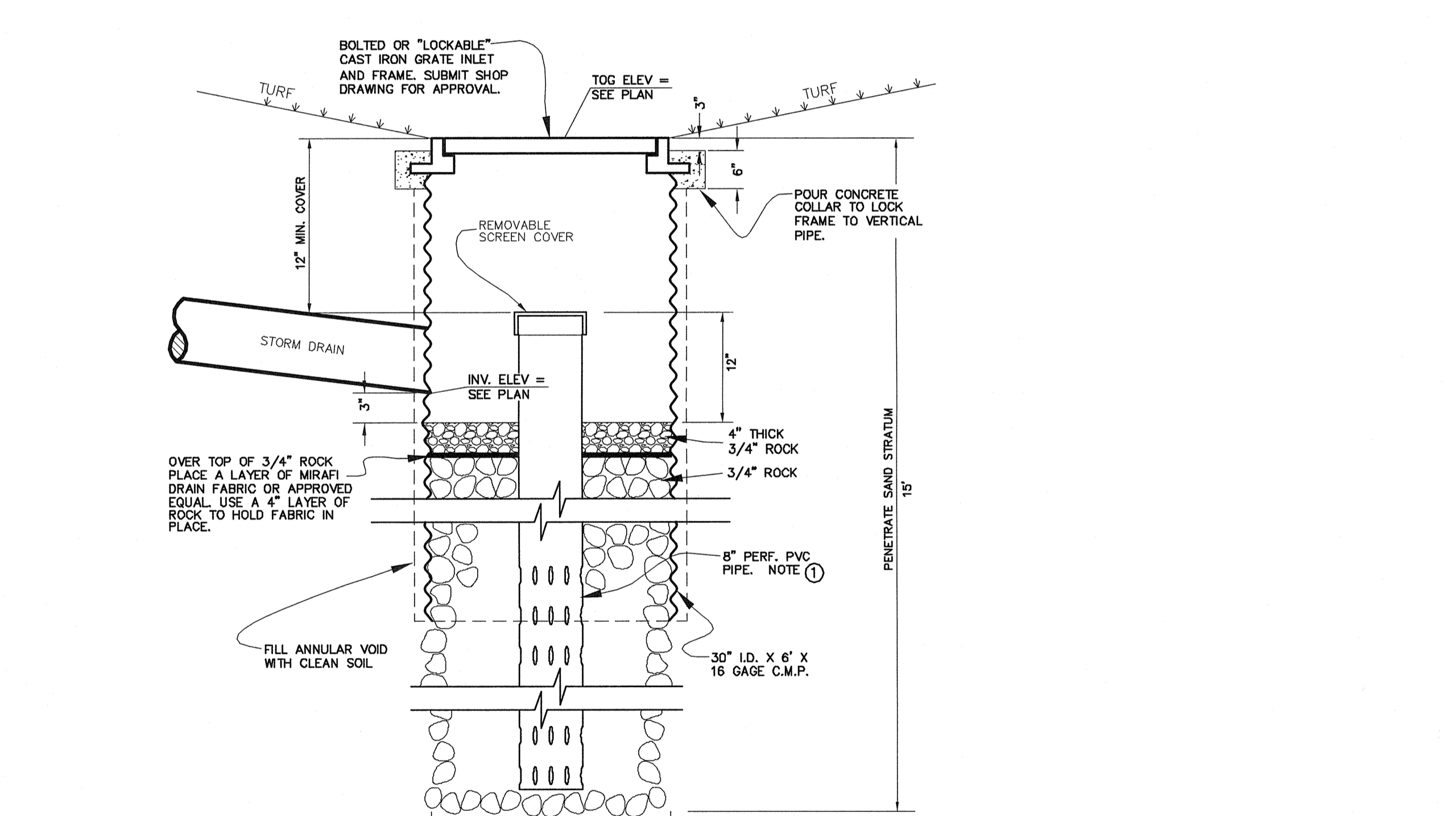
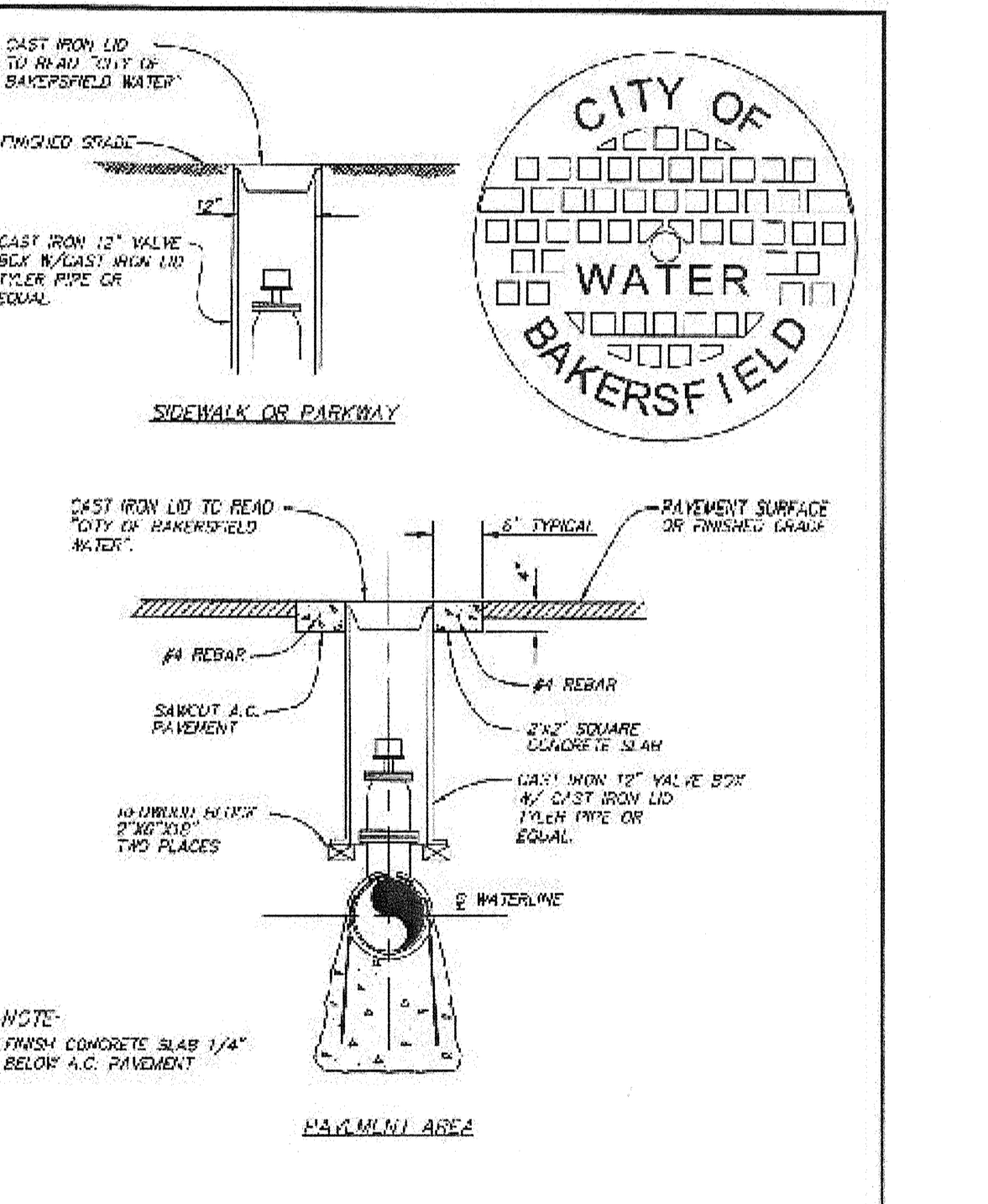
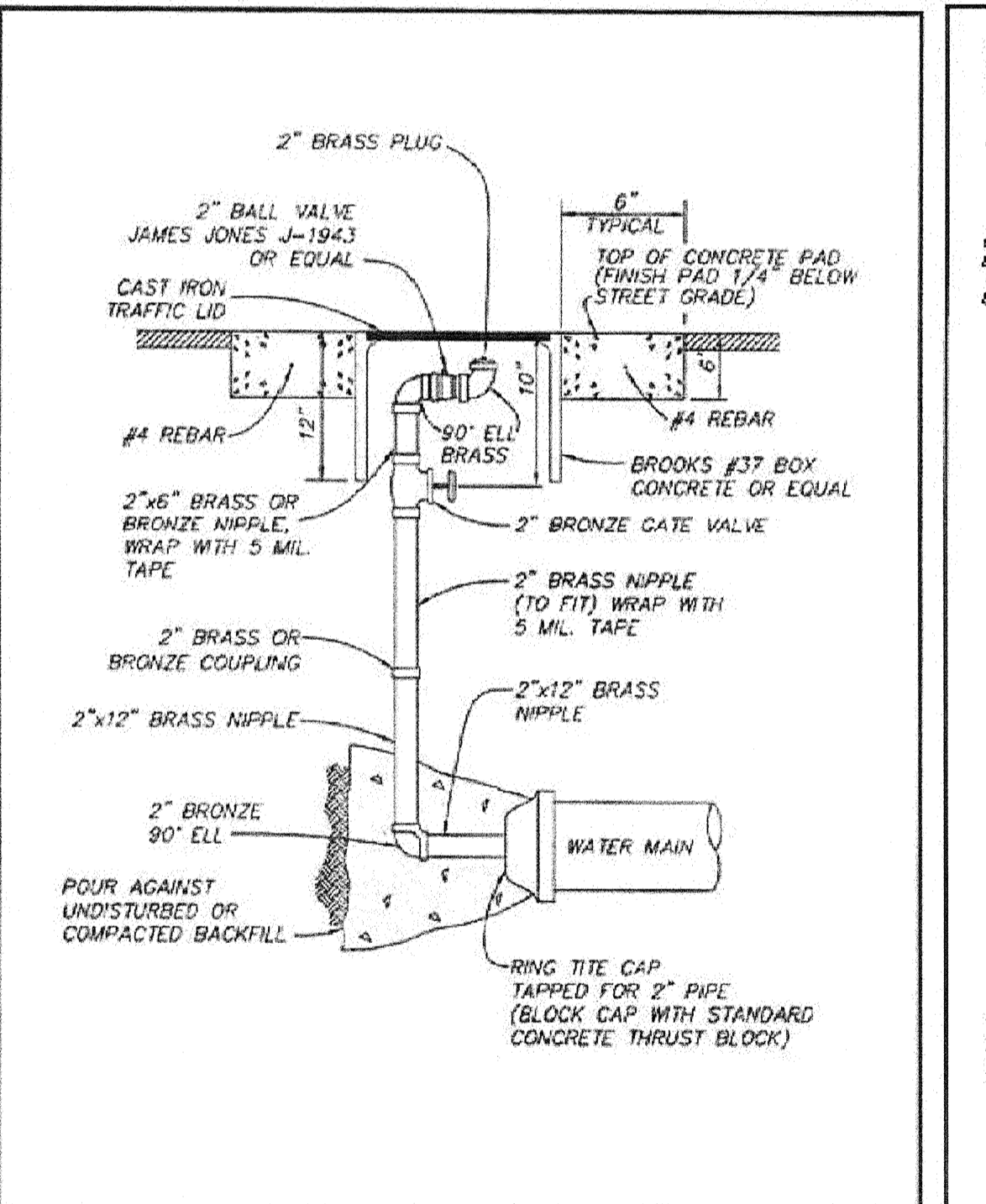
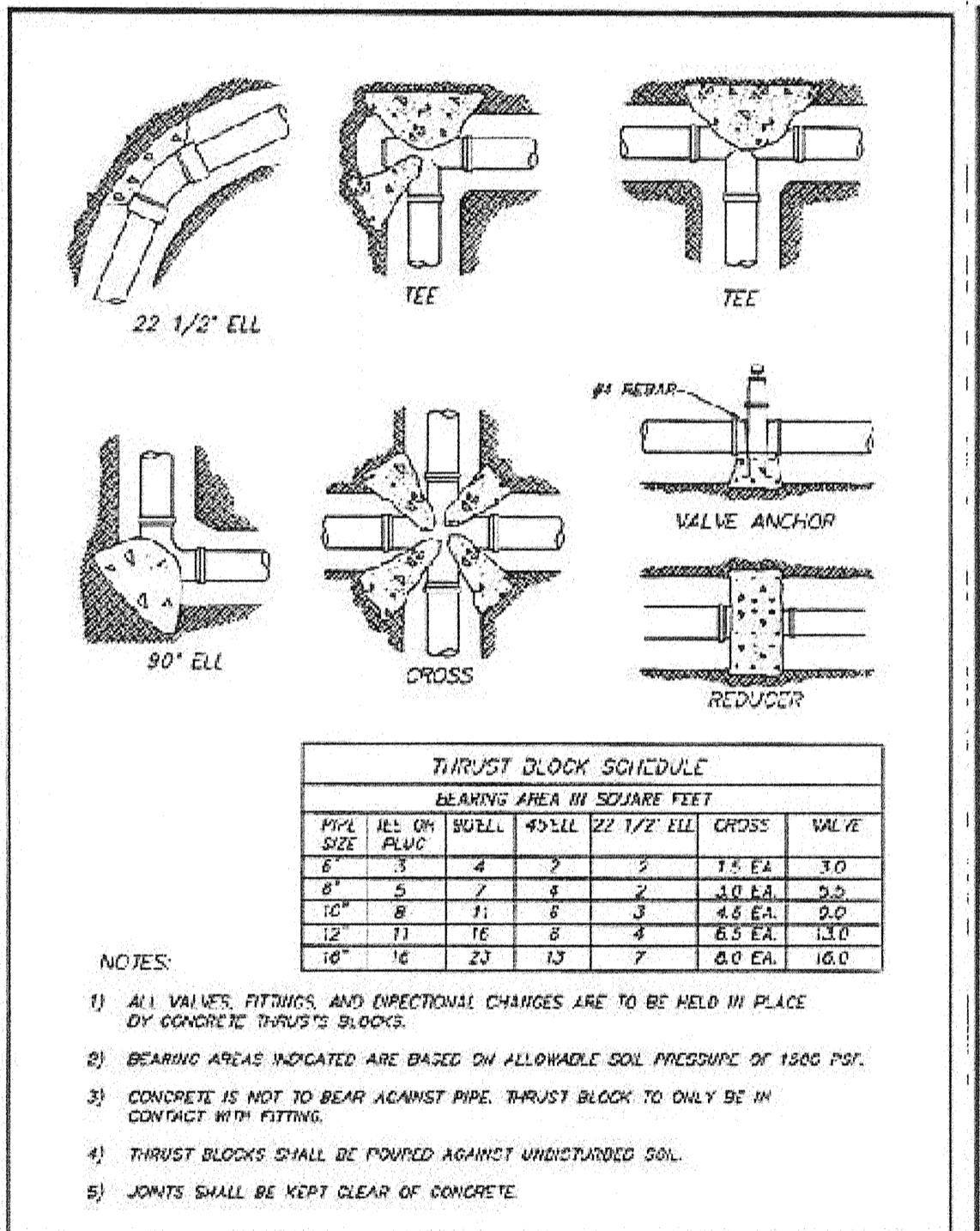
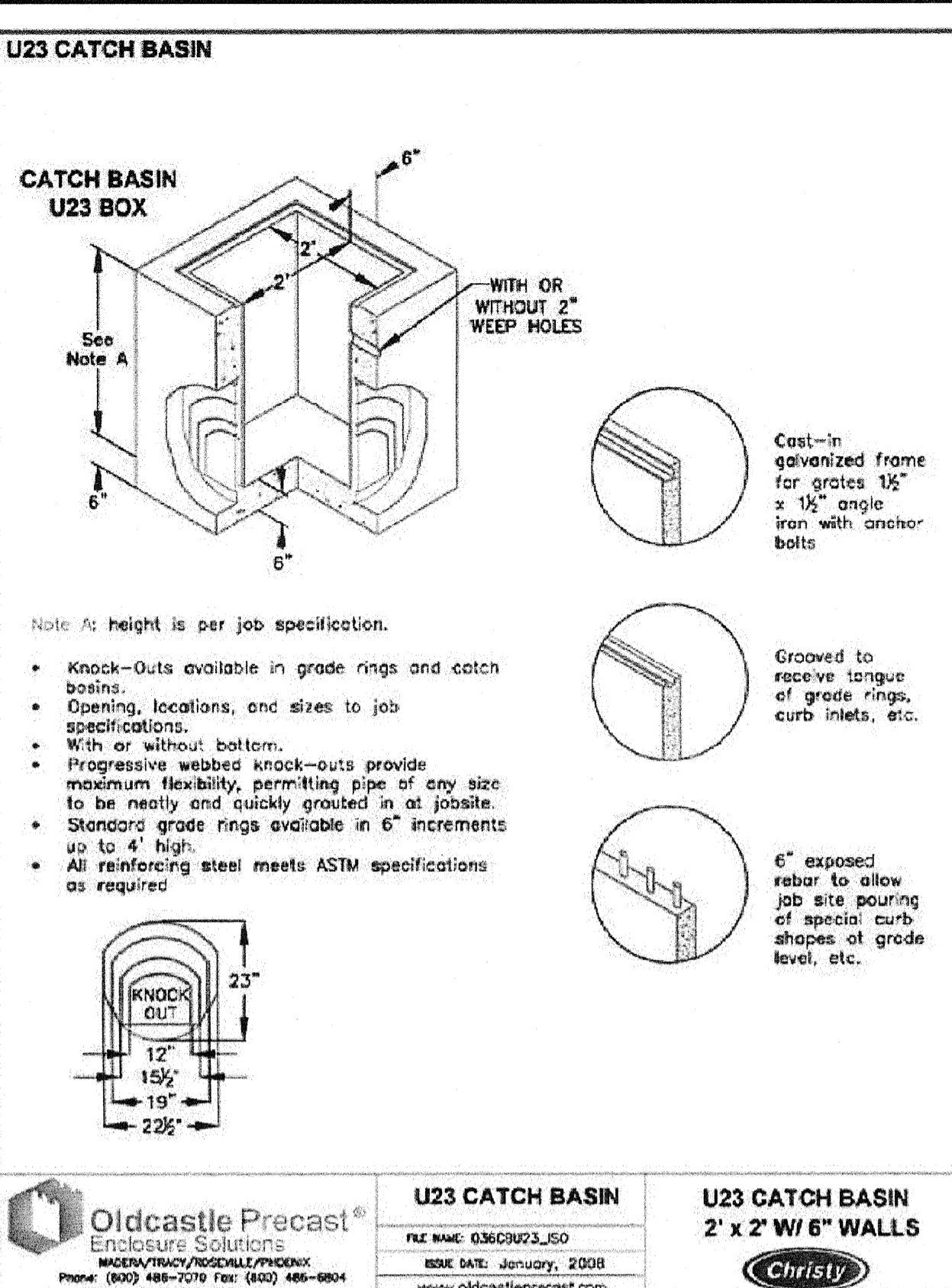
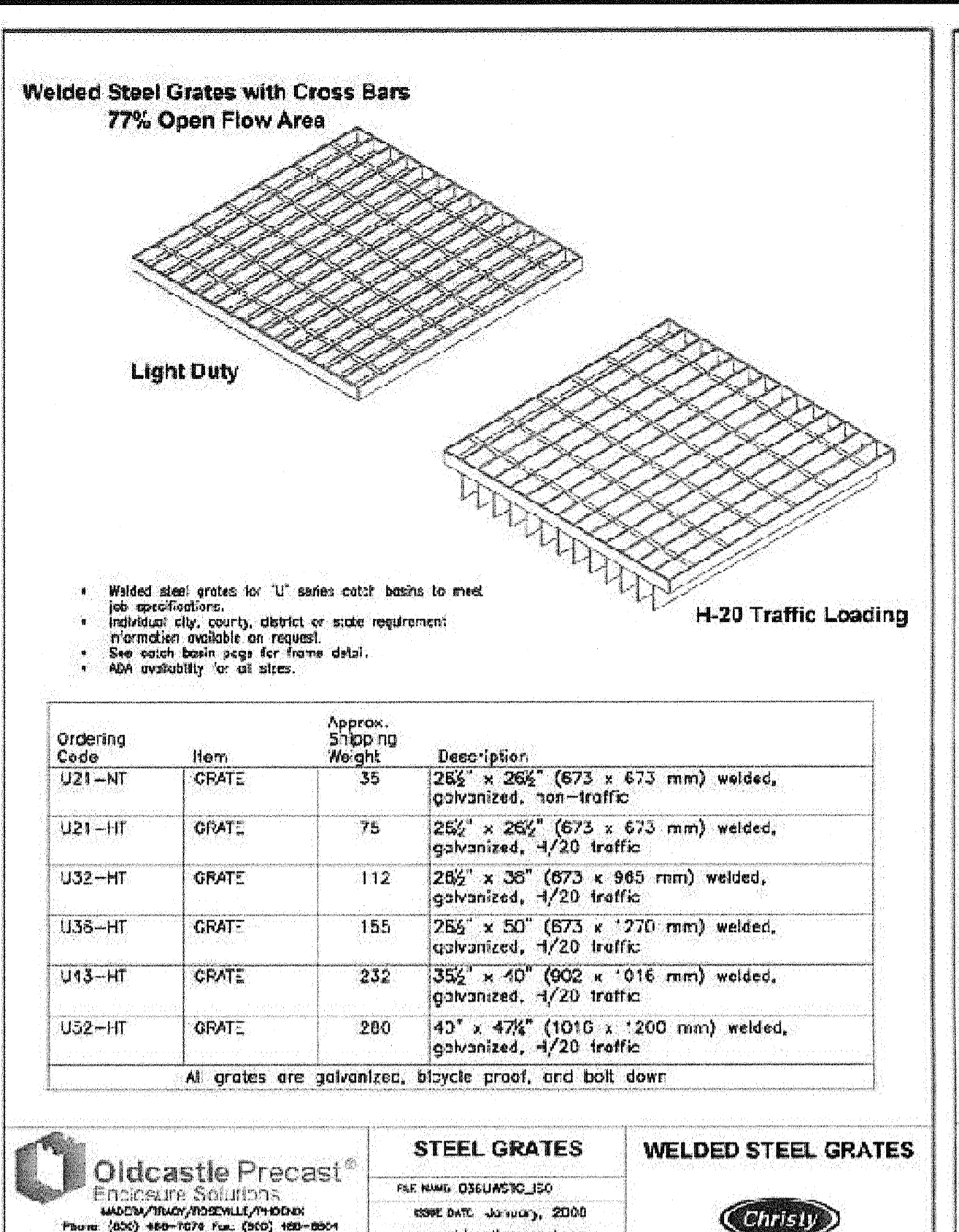
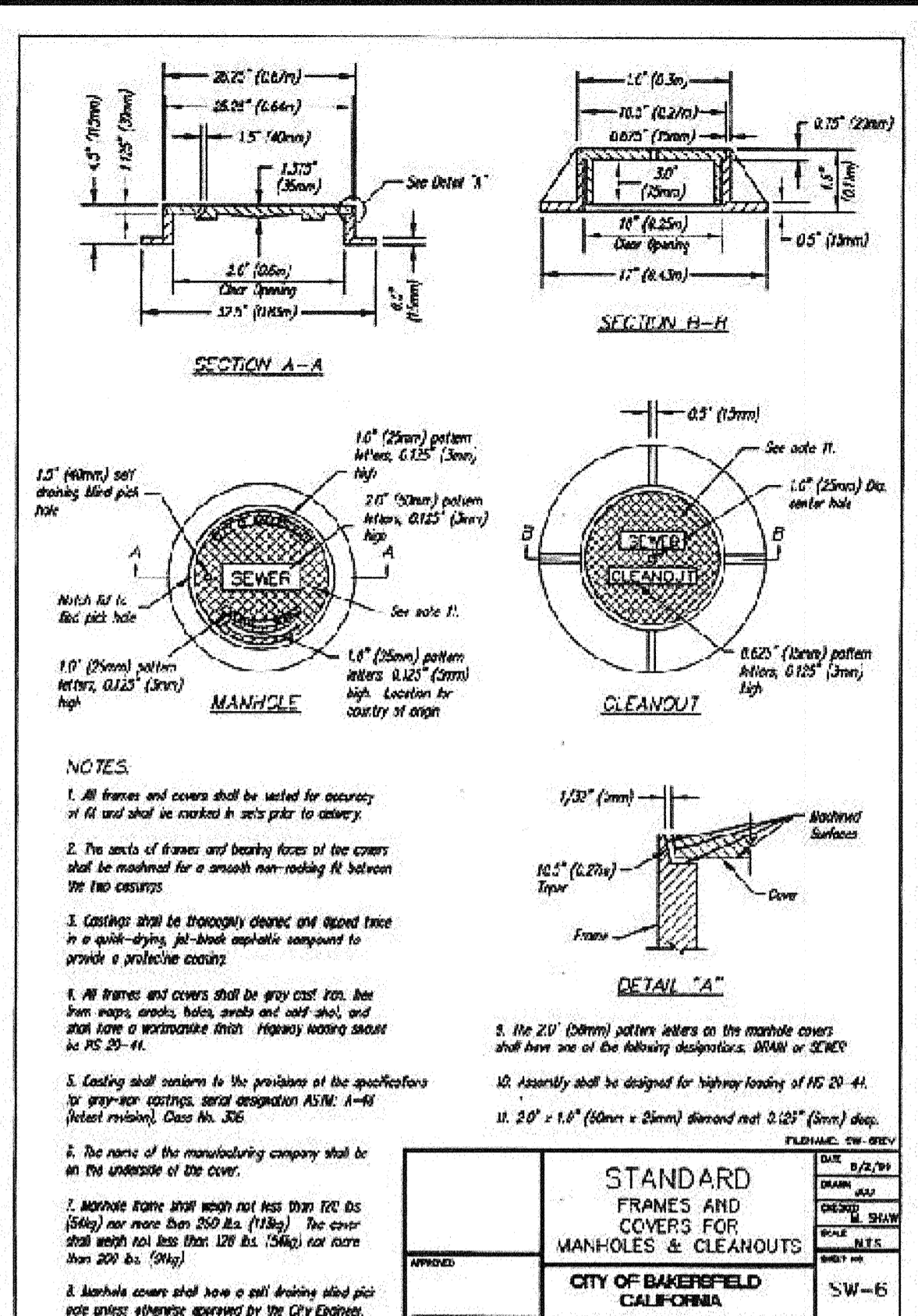
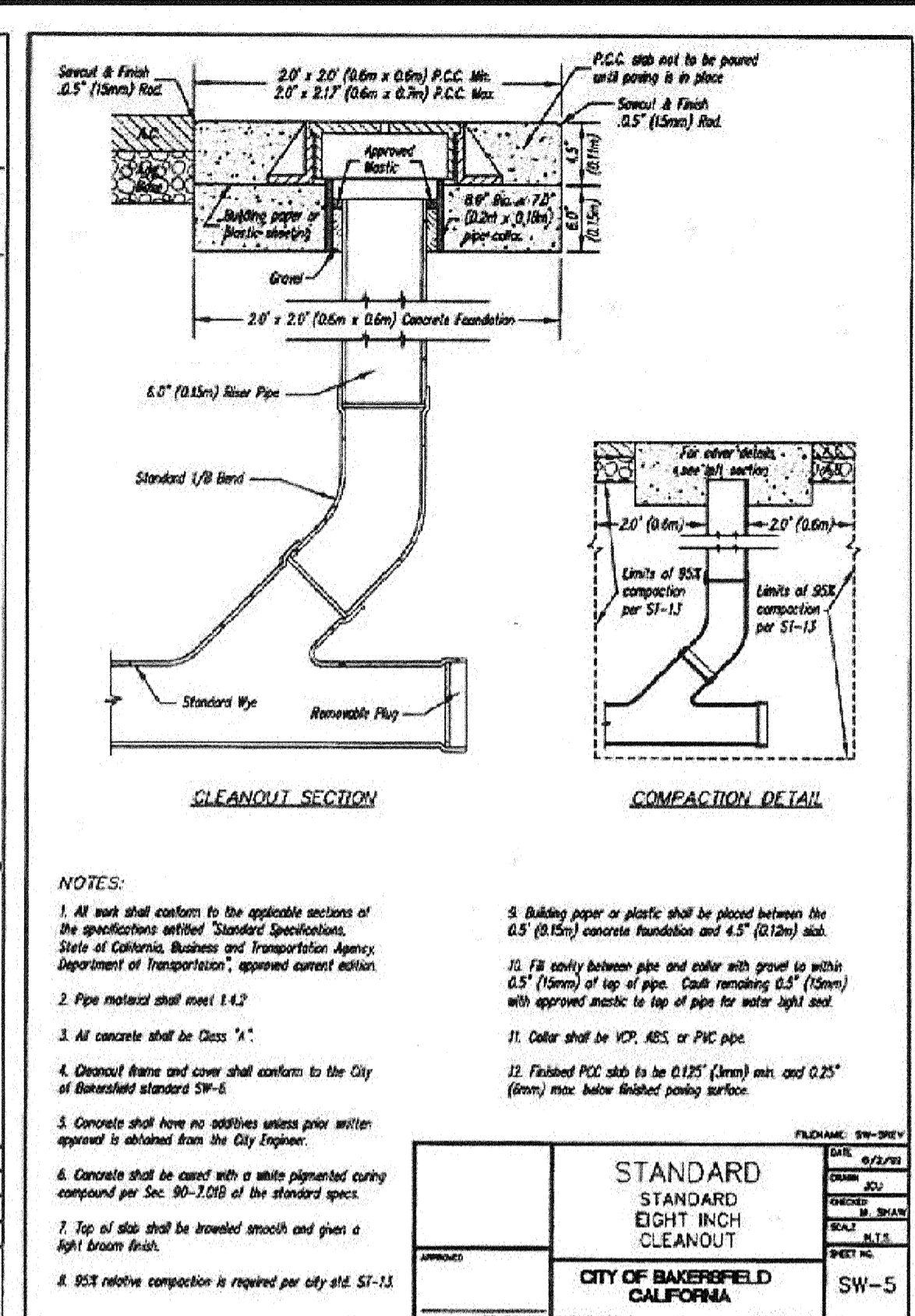
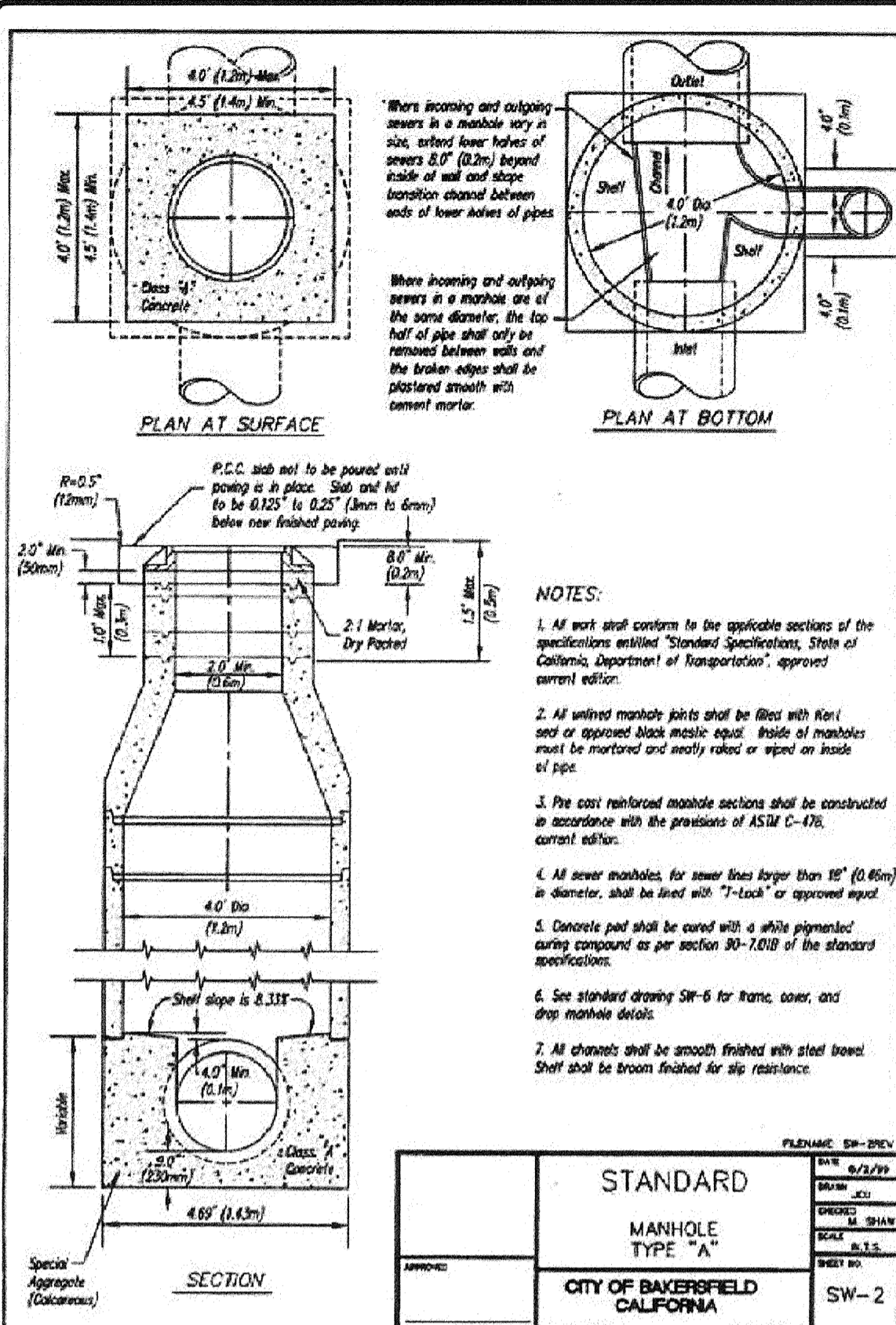


Pinnacle Civil Engineering, Inc.
4620 California Avenue, Bakersfield, CA 93309
Phone: (661) 869-0184 Fax: (661) 377-0076

REVISIONS
DATE
RCE 43130 EXP. 3/31/12
MATTHEW K. VOVILLA
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
Exp. 3-31-12

NOTES, DETAILS & TYPICAL SECTIONS
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA

JOB NO.: 09-419
DWG NO.: 09-419-BM
DATE: 09/12/10
DRAWN BY: ADK
CHECKED BY: MKV
SHEET 4
OF 10 SHEETS



Pinnacle Civil Engineering, Inc.

4620 California Avenue, Bakersfield, CA 93309

Phone: (661) 869-0184 Fax: (661) 377-0076

DATE: _____

REVISIONS:

Matthew K. Vovilla

ROE 43130 EXP. 3/31/12

DETAILS & TYPICAL SECTIONS

PIONEER ELEMENTARY SCHOOL

4404 PIONEER DRIVE

BAKERSFIELD, CALIFORNIA

JOB NO.: 09-419

DWG NO.: 09-419-BM

DATE: 08/01/2010

DRAWN BY: ADK

CHECKED BY: MKV

SHEET 5 OF 10 SHEETS

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

03 113549

AC [Signature]

DATE: 4-2-2010

SYMBOL LEGEND:

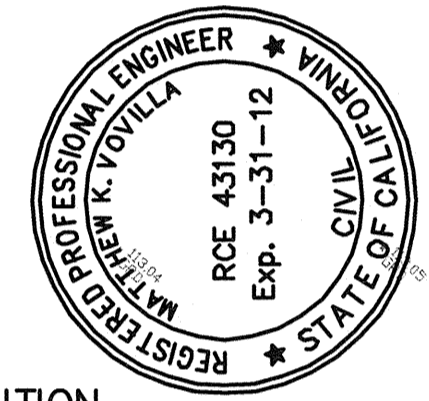
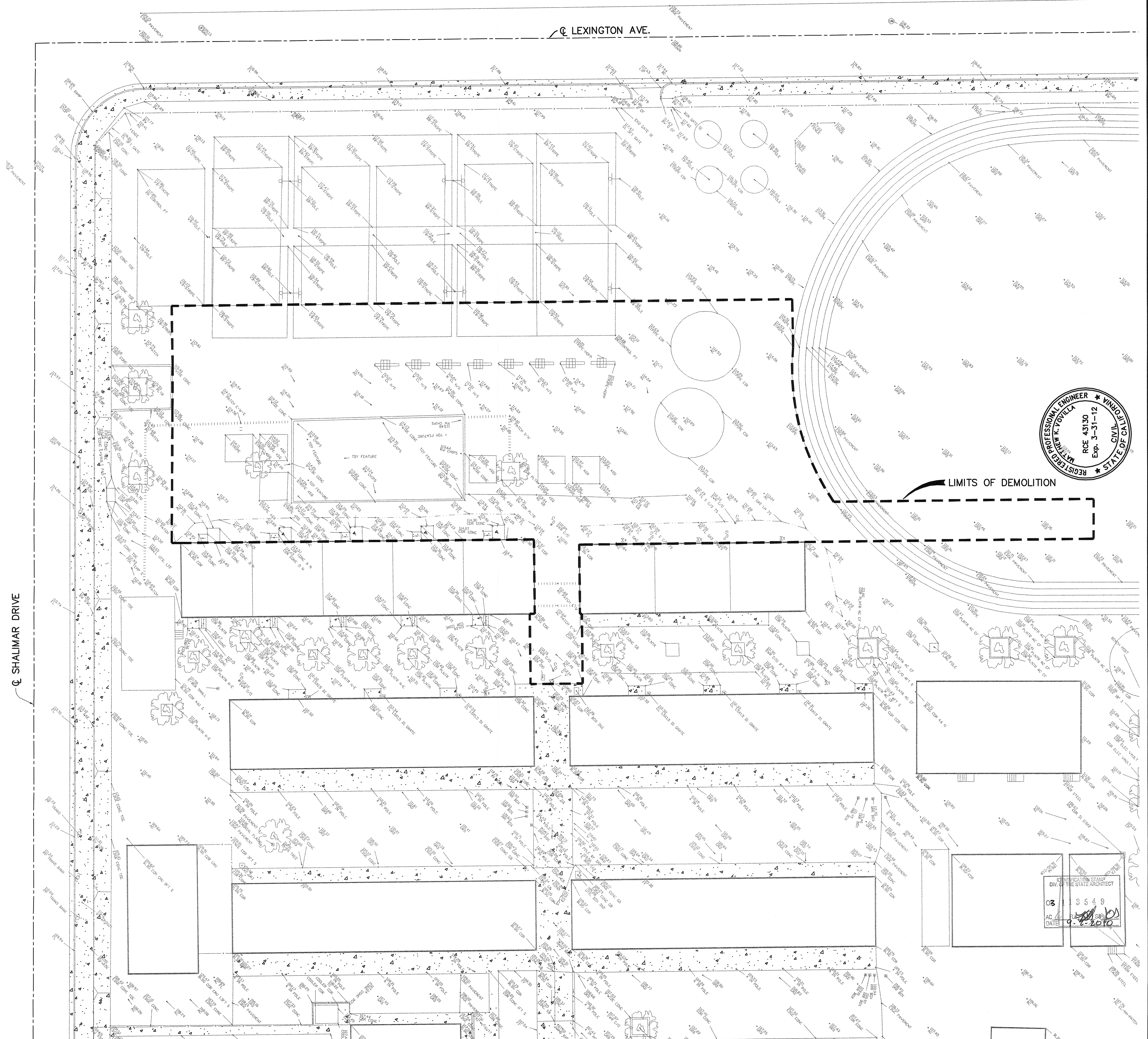
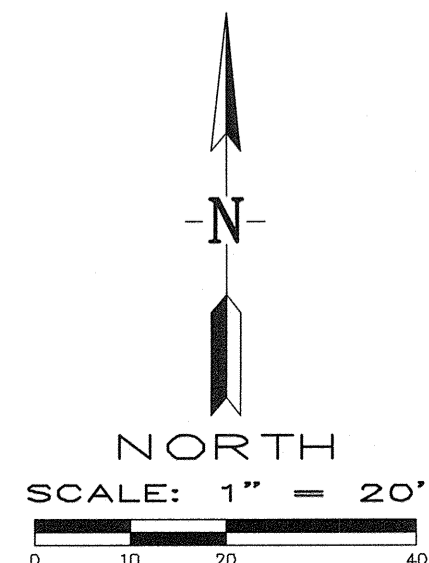
- LIMITS OF DEMOLITION AND REMOVAL (PROTECT EXISTING UTILITIES TO REMAIN)
- x- CHAIN-LINK FENCE
- TREE, TRUNK SIZE NOTED
- BASKETBALL GOAL
- BUILDING LINE
- FIRE HYDRANT
- ELEVATION
- FEATURE DESCRIPTION
- CONCRETE NAIL FOR SURVEY CONTROL POINT COORDINATE DATA SHOWN
- OVER-HEAD ELECTRICAL LINE
- GAS VALVE
- WATER VALVE
- UTILITY BOX AS NOTED
- UTILITY POLE
- SIGN POST AS NOTED
- SEWER CLEAN-OUT
- CONCRETE SURFACE
- EXTENTS OF EXISTING BUILDING
- NOED ASPHALT PATCH

ABBREVIATION LEGEND:

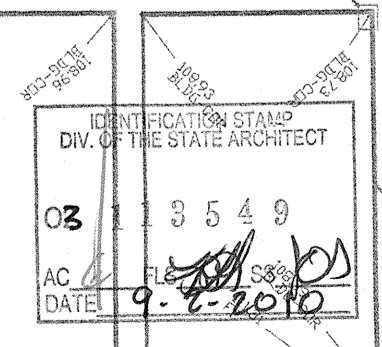
- AC ASPHALT CONCRETE
- TC TOP OF CURB
- SMH SEWER MANHOLE
- PP UTILITY POLE
- WM WATER METER
- GRD GRADE (EARTH WITHOUT ADDITIONAL DESC.)
- FNC CHAIN-LINK FENCE
- FL FLOWLINE
- TB BASKETBALL
- BB GRADE (EARTH WITHOUT ADDITIONAL DESC.)
- VB VOLLEY BALL
- FL FLOWLINE
- CONC CONCRETE
- TEMP TEMPORARY
- BLDG BUILDING
- DI DROP INLET (DRAINAGE INLET)
- EP EDGE OF ASPHALT PAVEMENT

THIS SHEET PROVIDED TO SHOW EXISTING CONDITIONS AND LIMITS OF DEMOLITION AND REMOVAL CLEARLY. SEE DEMOLITION NOTES ON SHEET 2, CONTRACT SPECIFICATIONS, AND GRADING PLAN FOR SPECIFIC DEMOLITION AND REMOVAL ITEMS. EXISTING UTILITIES SHALL BE PROTECTED IN-PLACE.

SEE SHEETS 7 THRU 10 FOR PARTIALLY ENLARGED SITE PLANS.



LIMITS OF DEMOLITION



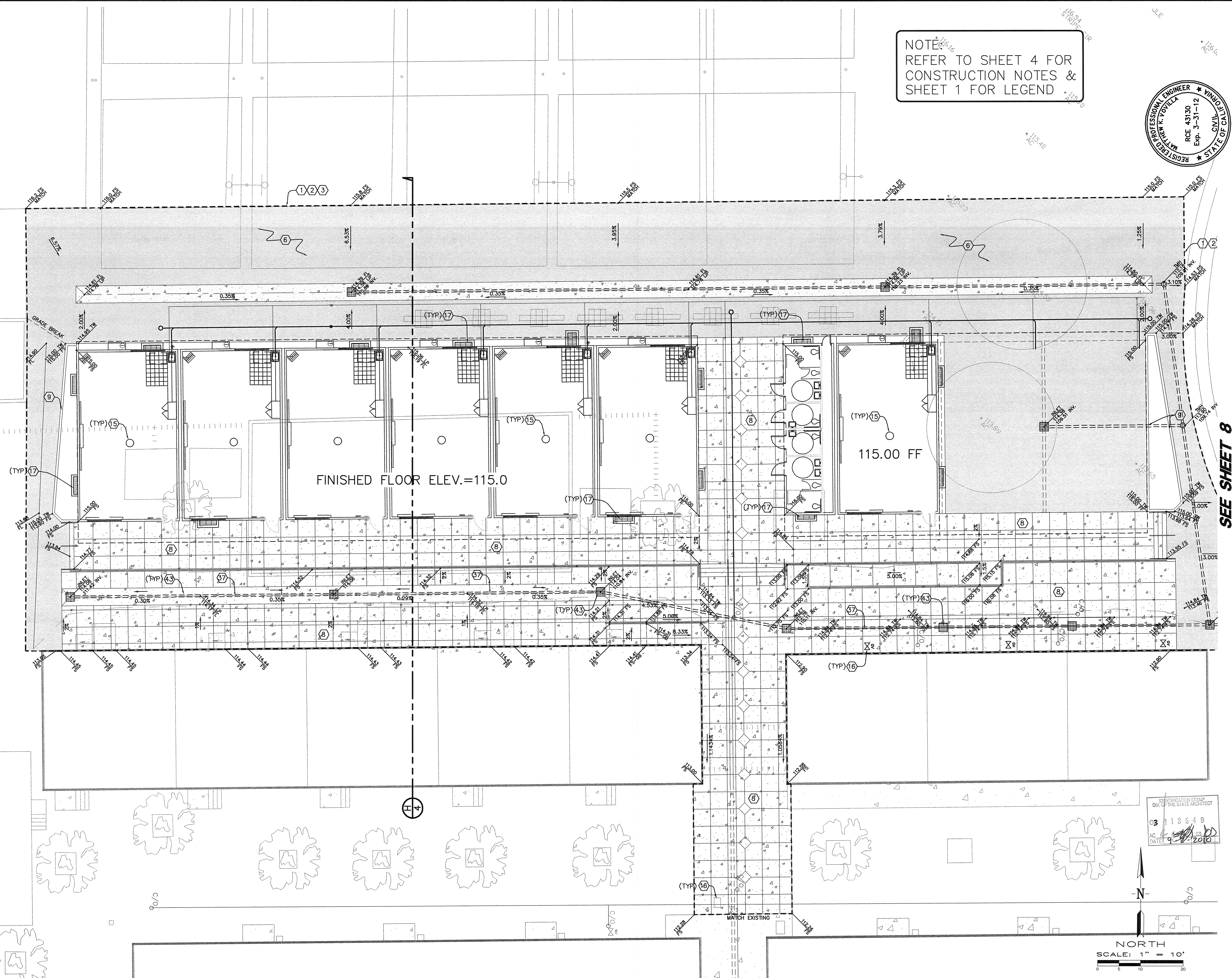
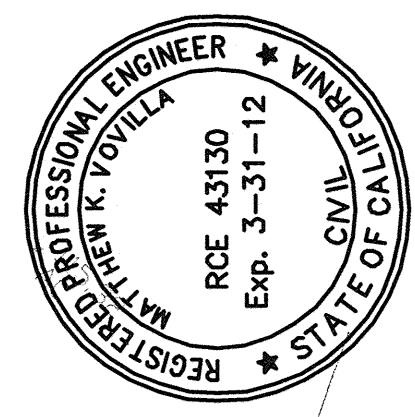
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MATTHEW K. VOVILLA	RCE 43130 EXP. 3/31/12	DATE
REVISIONS		

EXISTING CONDITIONS & DEMOLITION
PIONEER ELEMENTARY
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA

JOB No.:	08-419
DWG NO.:	08-419-Ex-Demo
DATE:	08/01/2010
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	6
OF 10 SHEETS	

NOTE:
REFER TO SHEET 4 FOR
CONSTRUCTION NOTES &
SHEET 1 FOR LEGEND



SEE SHEET 8

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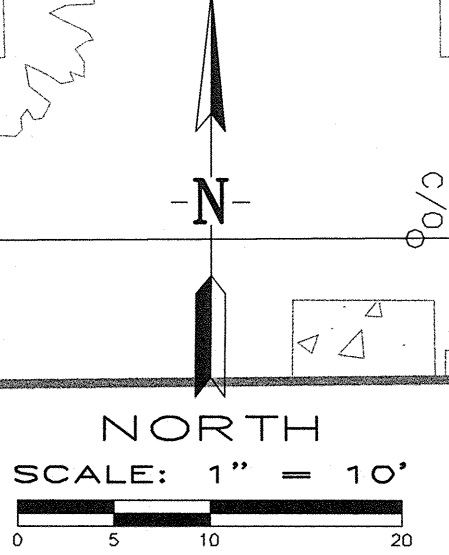
REVISIONS	DATE

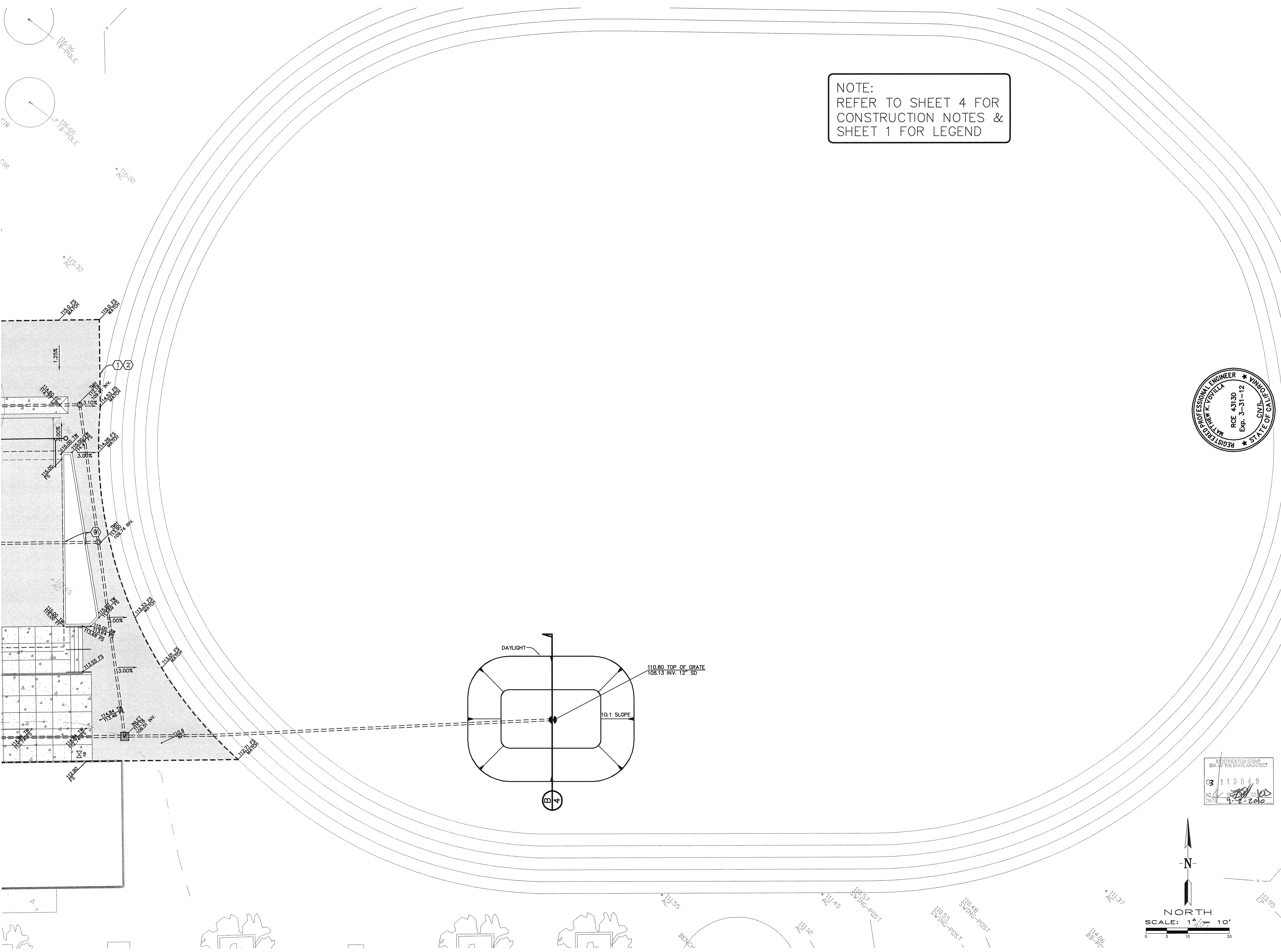
Matthew K. Vovilla
MATTHEW K. VOVILLA
RCE 43130 EXP. 3/31/12

**GRADING SHEET - NEW CLASSROOMS
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA**

JOB No.:	09-419
DWG NO.:	09-419-BM
DATE:	09/01/2010
DRAWN BY:	ADK
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SHEET	7
OF 10 SHEETS	

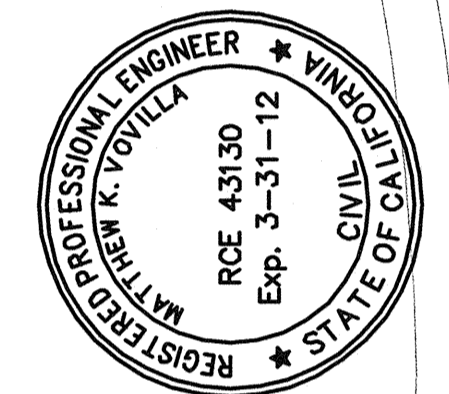
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DIV. OF THE STATE ARCHITECT
03 118549
AC
DATE 9-2-2010





NOTE:
REFER TO SHEET 4 FOR
CONSTRUCTION NOTES &
SHEET 1 FOR LEGEND

SEE SHEET 7



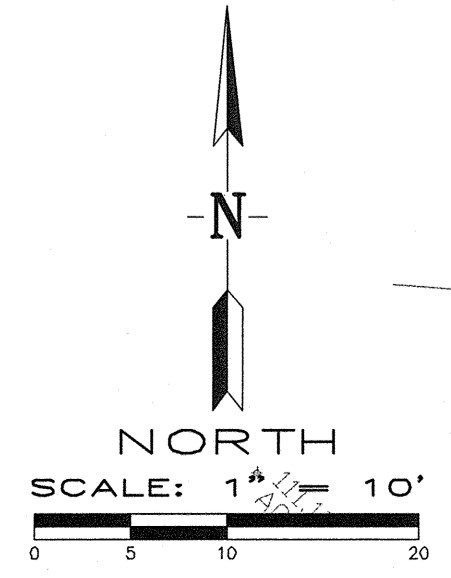
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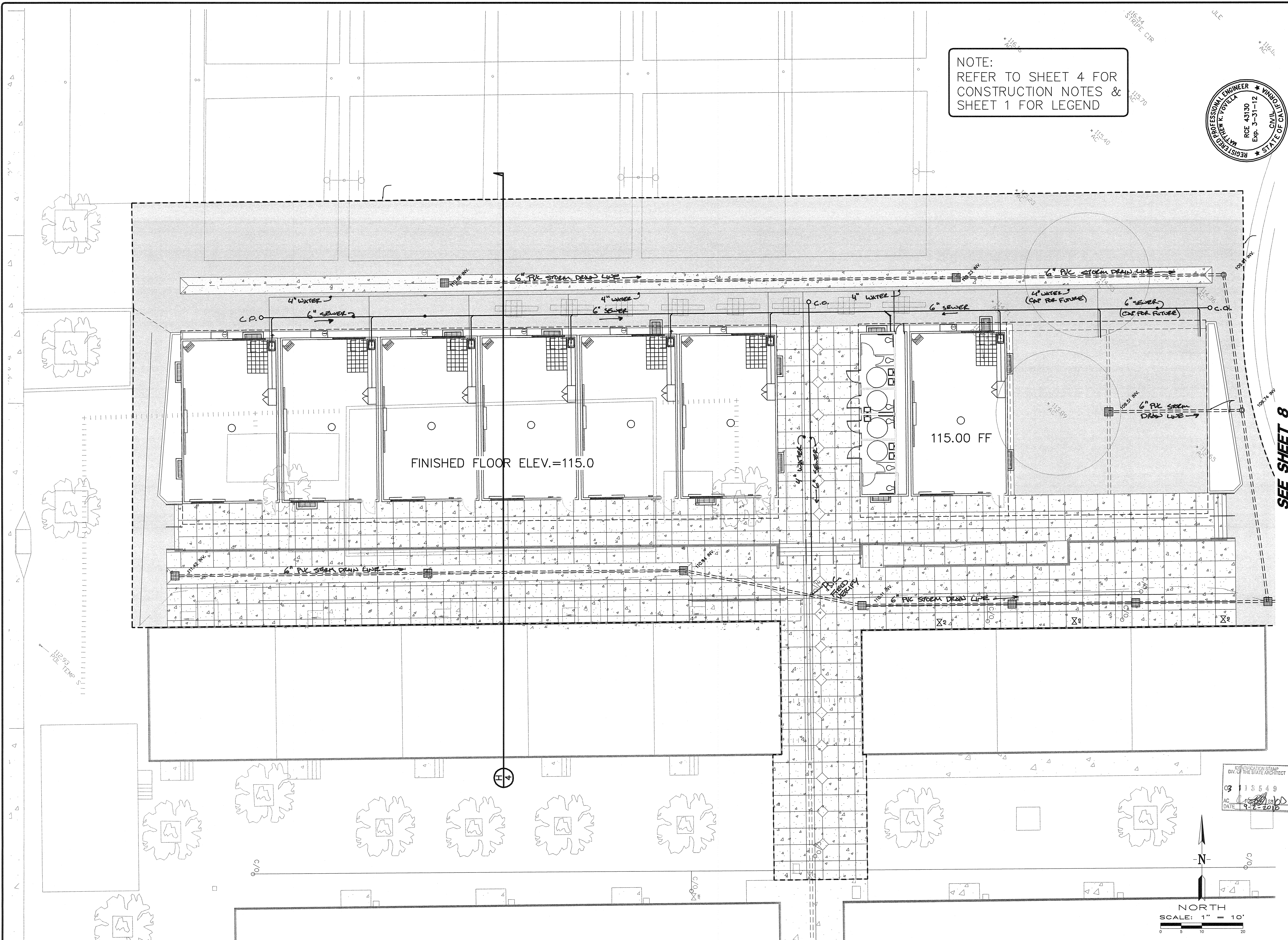
REVISIONS	DATE
MATTHEW K. VOVILLA	RCE 43130 EXP. 3/31/12

GRADING SHEET-STORM WATER DISPOSAL AREA
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA

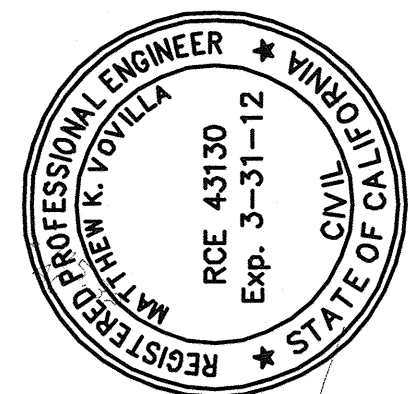
JOB No.:	09-419
DWG NO.:	09-419-BM
DATE:	09/01/2010
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	8
OF 10 SHEETS	

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DIV. OF THE STATE ARCHITECT
C3 118549
AC 118549
DATE 9/2/2010





NOTE:
REFER TO SHEET 4 FOR
CONSTRUCTION NOTES &
SHEET 1 FOR LEGEND

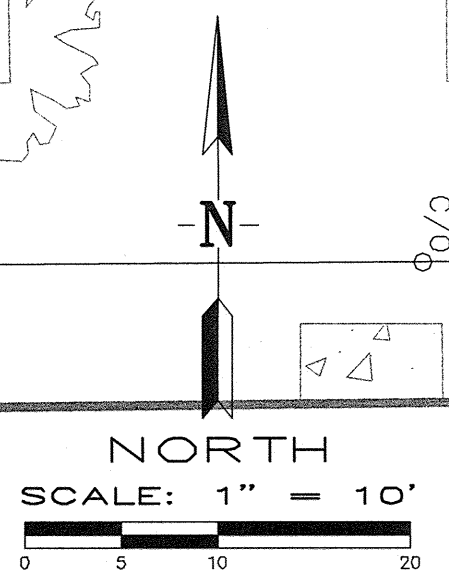


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Phone: (661) 869-0184 Fax: (661) 377-0076

DATE: _____
REVISIONS: _____
MATTHEW K. VOVILLA
RCE 43130 EXP. 3/31/12

UTILITY PLANS
PIONEER ELEMENTARY SCHOOL
4404 PIONEER DRIVE
BAKERSFIELD, CALIFORNIA

JOB No.: 09-419
DWG No.: 09-419-BM
DATE: 09/01/2010
DRAWN BY: ADK
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SHEET 9
OF 10 SHEETS

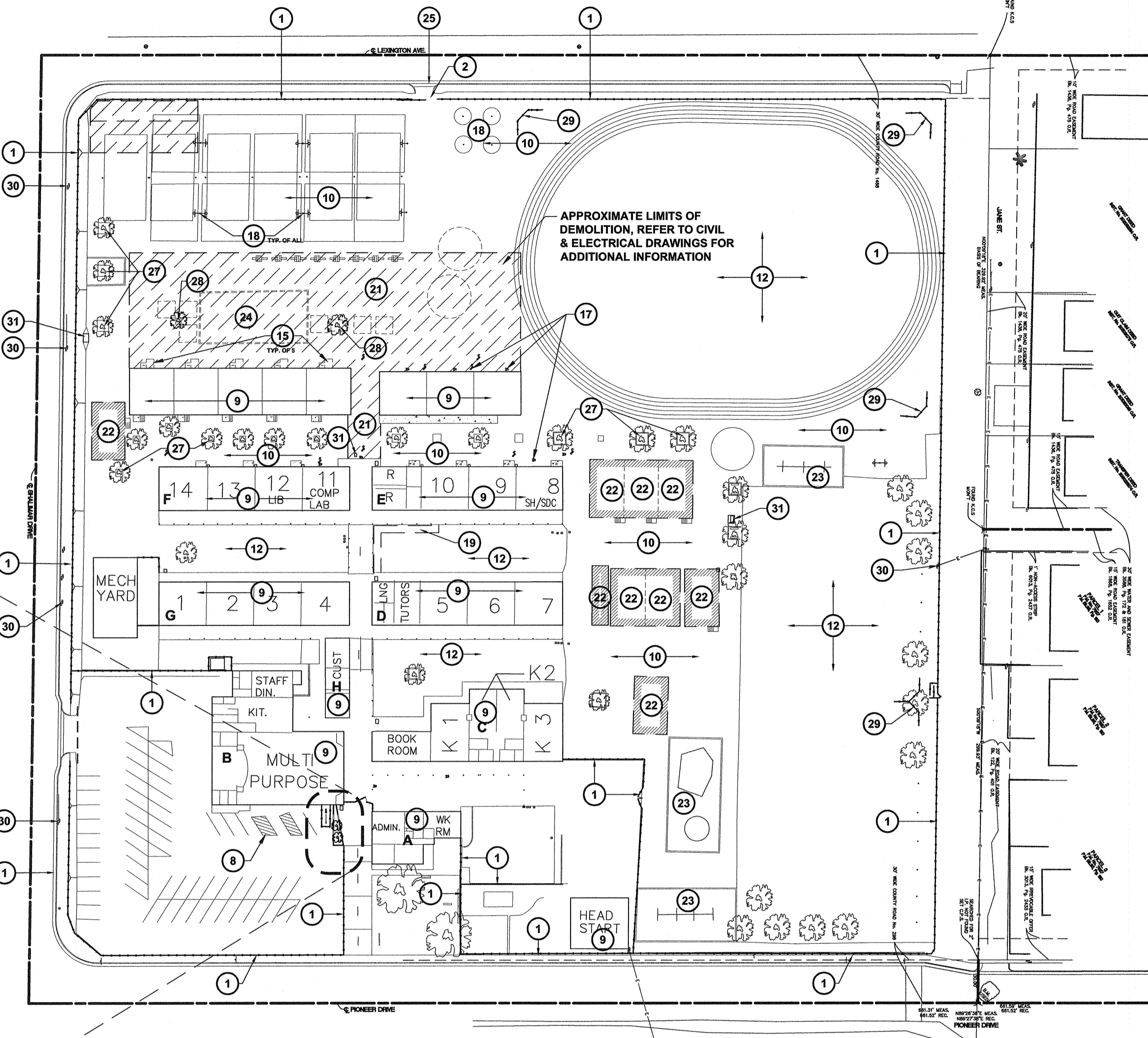
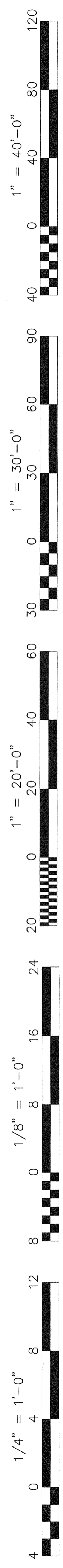


REGISTRATION BOARD
DIV. OF THE STATE ARCHITECT
03 113549
AC [Signature]
DATE 9-7-2010

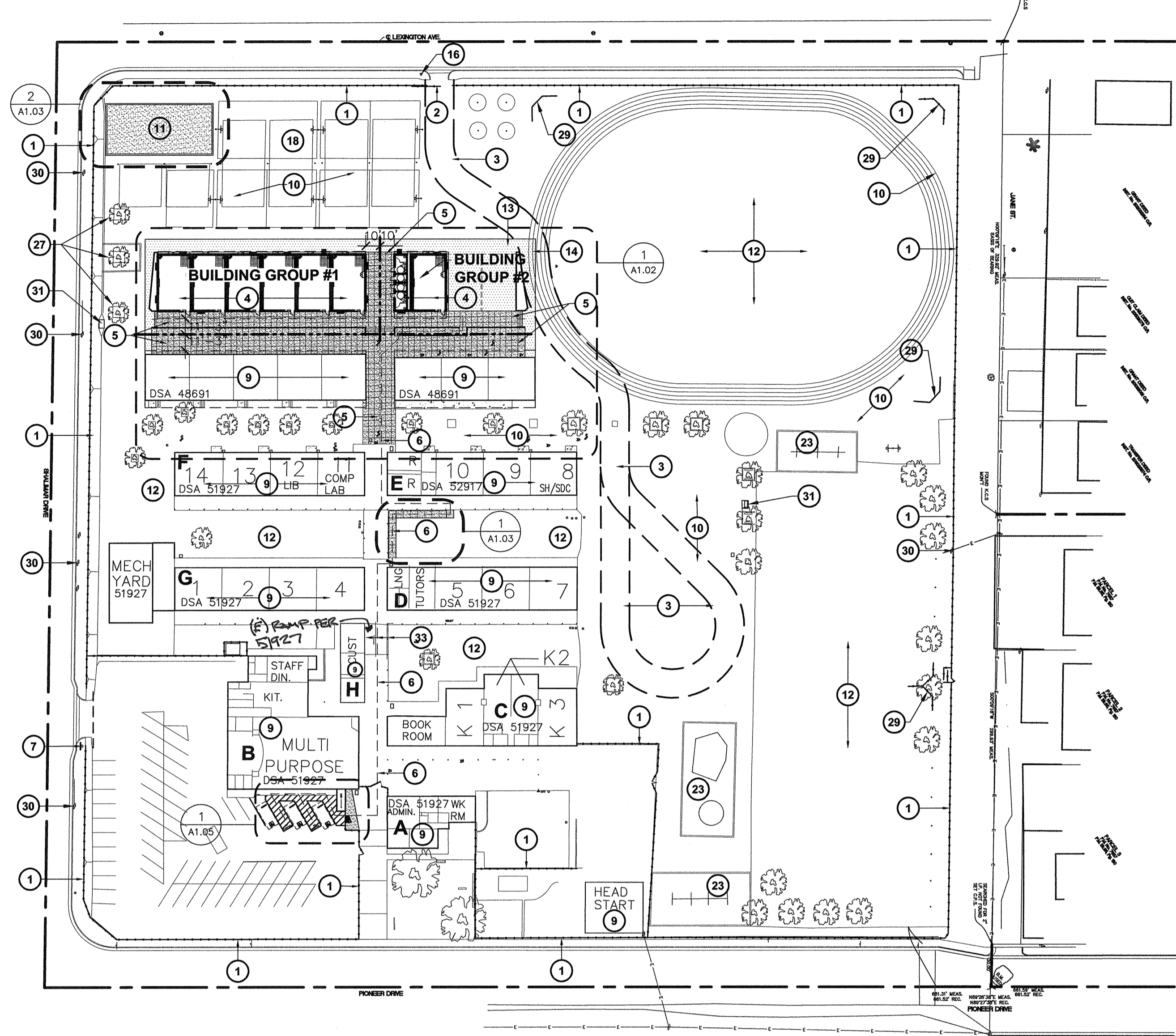
SEE SHEET 8

FINISHED FLOOR ELEV.=115.0

115.00 FF



DEMOLITION SITE PLAN
7 PERMANENT MODULAR CLASSROOMS
SCALE: 1:60



PROPOSED SITE PLAN
7 PERMANENT MODULAR CLASSROOMS
SCALE: 1:60

GENERAL NOTES

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ROUTING THE EXISTING IRRIGATION SPRINKLER LINES AND HEADS AS REQUIRED FOR PROPER COVERAGE IN THE AREA OF NEW CONSTRUCTION.
- B. NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS (C.J.) AT 4'-0" O.C. MAX. AND EXPANSION JOINTS NOT TO EXCEED 28'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.
- C. THE CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MANUFACTURER.
- D. THE CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING CONCRETE FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURERS DRAWINGS AND SPECIFICATIONS.
- E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW RELOCATABLE BUILDING PERIMETER GILL SHEET METAL FLASHING AFTER THE RELOCATABLE BUILDING IS SET IN PLACE.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.
- G. 5'-0" DEEP x 5'-0" WIDE MINIMUM CONCRETE LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4 IN 12 SLOPE (2%). SLOPES SHALL BE AWAY FROM DOORWAYS.
- H. CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.
- I. THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING. THE ARCHITECT SHALL PROVIDE A SOLUTION.
- J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY FENCING DURING ALL ASPECTS OF CONSTRUCTION.

PARKING CALCULATION

PARKING LOT #1	
TOTAL STALLS PROVIDED	55 STALLS
ACCESSIBLE STALLS REQUIRED - 3 (VAN STALL)	
ACCESSIBLE STALLS PROVIDED - 3 (VAN STALL)	

KEY NOTES

- 1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN
- 2. EXISTING 20' WIDE FIRE TRUCK ACCESS GATE. PROVIDE NEW KNOX BOX LOCK PER KERN COUNTY FIRE DEPARTMENT STANDARDS
- 3. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC-PAVING
- 4. NEW MANUFACTURED BUILDINGS ON RECESSED CONCRETE FOUNDATIONS. REFER TO MANUFACTURERS DRAWINGS FOR ADDITIONAL INFORMATION
- 5. NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 9/A1.05
- 6. ACCESSIBLE PATH OF TRAVEL. REFER TO THE ACCESSIBILITY NOTE THIS SHEET
- 7. NEW SITE ENTRANCE SIGN PER DET. 2/A1.05
- 8. EXISTING PARKING STALLS SHALL BE MODIFIED FOR ACCESSIBILITY. REFER TO DETAIL 1/A1.05
- 9. EXISTING BUILDING TO REMAIN, NO WORK
- 10. EXISTING AC-PAVING TO REMAIN
- 11. NEW WOOD CHIP PLAY AREA REFER TO DETAIL 2/A1.03. EXISTING PLAY EQUIPMENT SHALL BE PLACED BY THE DISTRICT.
- 12. EXISTING TURF AND IRRIGATION TO REMAIN
- 13. NEW AC-PAVING, REFER TO CIVIL DRAWINGS FOR PAVING SECTION INFORMATION
- 14. NEW TRACK STRIPING SHALL MATCH EXISTING IN WIDTH AND COLOR
- 15. REMOVE EXISTING CONCRETE LANDING, STAIRS AND HANDRAILS, PATCH AND PAINT EXISTING BUILDING DAMAGE.
- 16. NEW FIRE HYDRANT PER KERN COUNTY STANDARDS. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- 17. EXISTING UNDERGROUND UTILITIES TO REMAIN. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
- 18. EXISTING PLAY COURT STRIPING & BASKETBALL/VOLLEYBALL POLES TO REMAIN
- 19. EXISTING LAWN/PLANTER TO BE REMOVED INCLUDING ALL IRRIGATION PIPES, VALVES AND BOXES
- 20. EXISTING FIRE HYDRANT TO REMAIN
- 21. SAW CUT AND REMOVE ALL EXISTING AC-PAVING AND CONCRETE. REFER TO CIVIL AND ELECTRICAL PLANS FOR RELOCATION OF ALL OTHER EQUIP.
- 22. EXISTING CLASSROOM MUST REMAIN FULLY OPERATIONAL AND MUST BE ACCESSIBLE TO DISTRICT STAFF AND STUDENTS DURING CONSTRUCTION. ONCE THE NEW CLASSROOMS ARE OCCUPIED THE EXISTING CLASSROOMS SHALL
- 23. EXISTING CURB, SAND AND PLAY EQUIP. TO REMAIN
- 24. EXISTING CURB, SAND AND PLAY EQUIPMENT TO BE REMOVED. ALL PLAY EQUIPMENT SHALL BE SALVAGED AND RETURNED TO THE OWNER. SAND SHALL BE STOCKPILED FOR FUTURE USE IN AN OWNER APPROVED LOCATION
- 25. EXISTING CURB CUT AND DRIVE APPROACH TO REMAIN.
- 26. EXISTING TETHER BALL POST TO BE REMOVED. CLEAN FREE FROM ALL DEBRIS AND RETURN TO OWNER FOR FUTURE INSTALLATION
- 27. EXISTING TREES TO REMAIN, PROTECT FROM DAMAGE DURING THE FULL EXTENT OF CONSTRUCTION
- 28. EXISTING TREE TO BE REMOVED INCLUDING ROOT BALL AND ALL ROOTS LARGER THAN 1"Ø
- 29. EXISTING CHAIN LINK BACKSTOP TO REMAIN
- 30. EXISTING UTILITY POLE TO REMAIN
- 31. EXISTING ELECTRICAL EQUIPMENT TO REMAIN
- 32. REMOVE EXISTING TREES AND PLANTER WALL. REFER TO 1/A1.05 FOR ADDITIONAL INFORMATION
- 33. (E) HANDRAIL SHALL BE MODIFIED TO CONFORM TO THE MINIMUM REQUIREMENTS OF DETAIL 13/A1.05

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES APPROXIMATE LIMITS OF DEMOLITION, REFER TO CIVIL AND ELECTRICAL FOR ADDITIONAL DEMOLITION REQUIREMENTS
- INDICATES EXISTING BUILDINGS TO BE REMOVED FROM THIS SITE
- INDICATES LIMITS NEW AC-PAVING REFER TO CIVIL FOR ADDITIONAL INFO
- INDICATES LIMITS OF NEW CONCRETE WALK
- ACCESSIBLE PATH OF TRAVEL SEE "ACCESSIBILITY NOTES"

BUILDING DATA

BUILDING GROUP #1	
(6) 24x40 CLASSROOMS AT 960 EA.	5,760
9,500 S.F. ALLOWED > 5,760 S.F. PROPOSED	= OK
BUILDING GROUP #2	
(1) 24x40 CLASSROOMS AT 960 EA.	960
(1) 12x40 RESTROOM AT 480 EA.	480
	1,440
9,500 S.F. ALLOWED > 1,440 S.F. PROPOSED	= OK

ACCESSIBILITY NOTES

- A. "PATH OF TRAVEL (P.O.T.), AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 2" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. PASSING SPACES (11338.7.1) AT LEAST 60"x80" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (11338.7.5) NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL AND IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11338.8.2) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11338.8.6).
- B. PATH OF TRAVEL SHALL NOT EXCEED 5% SLOPE MAX
- C. P.O.T. IS A MINIMUM OF 48" WIDE SLIP RESISTANT SURFACE WITH 5% MAX. SLOPE AND 2% MAX. CROSS SLOPE TYP. THERE IS NO DROP, OFF OVER 4" AT THE EDGE OF A WALK OR LANDING. ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL, HAVE BEEN REMOVED.

LOCAL FIRE AUTHORITY REVIEW

Yes	No	N/A	Access Roads, Fire Hydrants and Wildland-Urban Interface
			Automatic Fire Signaler Systems
X			The location(s) of the proposed point indicator valve (PIV) and fire department connection (FDC) meets the requirements of this jurisdiction at this time.
X			The location(s) of the detector check valve assembly (DCA) meets the requirements of this jurisdiction at this time.
X			The fire pump assembly and/or water tank(s) meets the requirements of this jurisdiction at this time.
			Elevators
X			Elevators that do not have code sized per 2007 CBC Code requirements have identified and the LFA approves the use of stairways for emergency rescue and patient transport.

Project Name: PIONEER DRIVE ELEMENTARY SCHOOL DSA App No: 03-113549
 Project Location: 4404 PIONEER DRIVE BAKERSFIELD, CA 93306
 Local Fire Authority: _____
 City/State/Zip: _____
 Phone Number: _____
 Approval Signature: _____
 Name and Title: _____

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Revision:	Revision:	Revision:	Revision:
Rev. Date:	Rev. Date:	Rev. Date:	Rev. Date:
Revision Description:	Revision Description:	Revision Description:	Revision Description:

SITE PLAN
PIONEER DRIVE ELEMENTARY SCHOOL
7 PERMANENT MODULAR CLASSROOMS
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Sheet Title: _____
 Date: 09/02/10
 Designer: _____
 Checker: _____
 P.C.: C.J.M.

FILE # 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-113549
 AC: _____
 DATE: 9-2-2010
 TRACKING #: 63321-105

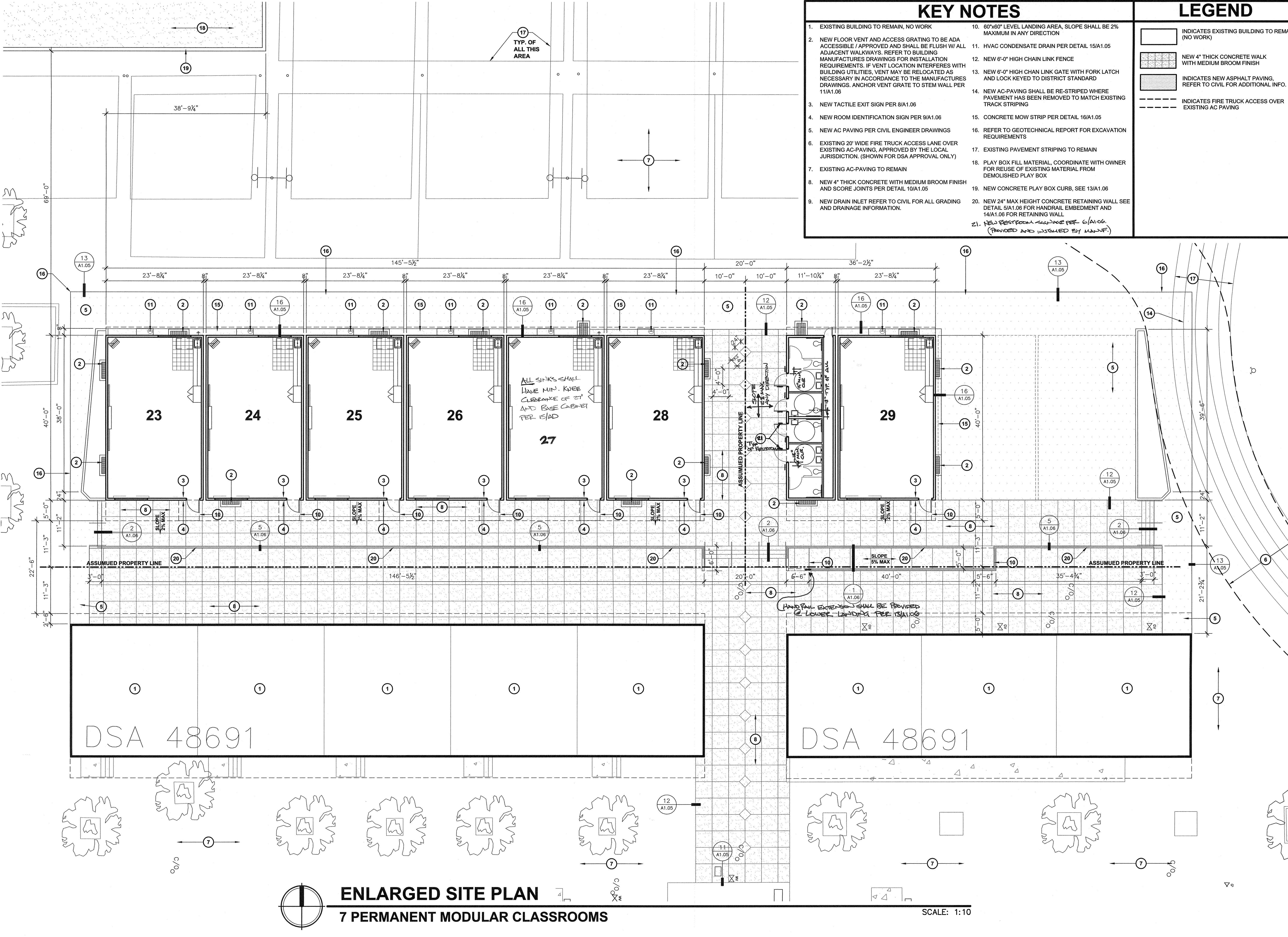
Stamp(s): _____

Job No.: **3862**

Sheet No.: **A1.01**

Release: _____

8/2009rfs09-3862/Sheets/A1.01 SITE PLAN.dwg CURTIS MCNALLY



KEY NOTES

1. EXISTING BUILDING TO REMAIN, NO WORK
2. NEW FLOOR VENT AND ACCESS GRATING TO BE ADA ACCESSIBLE / APPROVED AND SHALL BE FLUSH W/ ALL ADJACENT WALKWAYS. REFER TO BUILDING MANUFACTURES DRAWINGS FOR INSTALLATION REQUIREMENTS. IF VENT LOCATION INTERFERES WITH BUILDING UTILITIES, VENT MAY BE RELOCATED AS NECESSARY IN ACCORDANCE TO THE MANUFACTURES DRAWINGS. ANCHOR VENT GRATE TO STEM WALL PER 11/A1.06
3. NEW TACTILE EXIT SIGN PER 8/A1.06
4. NEW ROOM IDENTIFICATION SIGN PER 9/A1.06
5. NEW AC PAVING PER CIVIL ENGINEER DRAWINGS
6. EXISTING 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC-PAVING, APPROVED BY THE LOCAL JURISDICTION. (SHOWN FOR DSA APPROVAL ONLY)
7. EXISTING AC-PAVING TO REMAIN
8. NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 10/A1.05
9. NEW DRAIN INLET REFER TO CIVIL FOR ALL GRADING AND DRAINAGE INFORMATION.
10. 60"x60" LEVEL LANDING AREA, SLOPE SHALL BE 2% MAXIMUM IN ANY DIRECTION
11. HVAC CONDENSATE DRAIN PER DETAIL 15/A1.05
12. NEW 6'-0" HIGH CHAIN LINK FENCE
13. NEW 6'-0" HIGH CHAIN LINK GATE WITH FORK LATCH AND LOCK KEYED TO DISTRICT STANDARD
14. NEW AC-PAVING SHALL BE RE-STRIPED WHERE PAVEMENT HAS BEEN REMOVED TO MATCH EXISTING TRACK STRIPING
15. CONCRETE MOW STRIP PER DETAIL 16/A1.05
16. REFER TO GEOTECHNICAL REPORT FOR EXCAVATION REQUIREMENTS
17. EXISTING PAVEMENT STRIPING TO REMAIN
18. PLAY BOX FILL MATERIAL, COORDINATE WITH OWNER FOR REUSE OF EXISTING MATERIAL FROM DEMOLISHED PLAY BOX
19. NEW CONCRETE PLAY BOX CURB, SEE 13/A1.06
20. NEW 24" MAX HEIGHT CONCRETE RETAINING WALL SEE DETAIL 5/A1.06 FOR HANDRAIL EMBEDMENT AND 14/A1.06 FOR RETAINING WALL
21. NEW RESTROOM SIGNAGE PER 6/A1.06 (PROVIDED AND INSTALLED BY MANUF.)

LEGEND

	INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
	NEW 4" THICK CONCRETE WALK WITH MEDIUM BROOM FINISH
	INDICATES NEW ASPHALT PAVING, REFER TO CIVIL FOR ADDITIONAL INFO.
	INDICATES FIRE TRUCK ACCESS OVER EXISTING AC PAVING

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www.integrateddesigns.com

Revision	Description

ENLARGED SITE PLAN

PIONEER DRIVE ELEMENTARY SCHOOLS
7 PERMANENT MODULAR CLASSROOMS

BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Issue Date: 09/02/10
Date: 09/01/10
Designer: [Signature]
DR: [Signature]
PC: CJM

DSA Identification Stamp:

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03-113549
AC. [Signature]
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TRACKING #: 63321-105

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REGISTERED ARCHITECT
CURTIS E. FLEMING
No. C 28966
B.A.S. 31
STATE OF CALIFORNIA

Job No.: **3862**

Sheet No.: **A1.02**

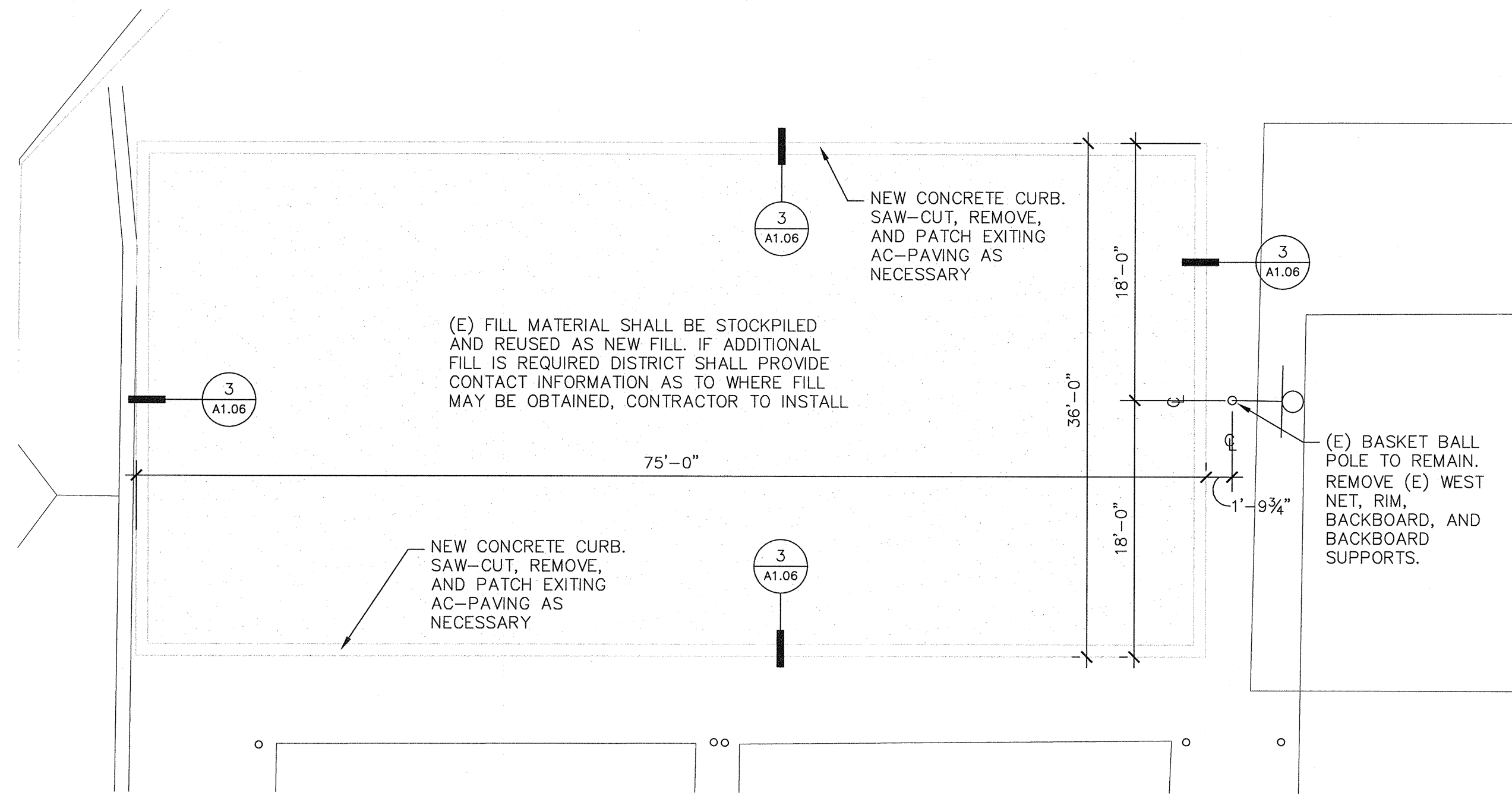
Release: -

ENLARGED SITE PLAN

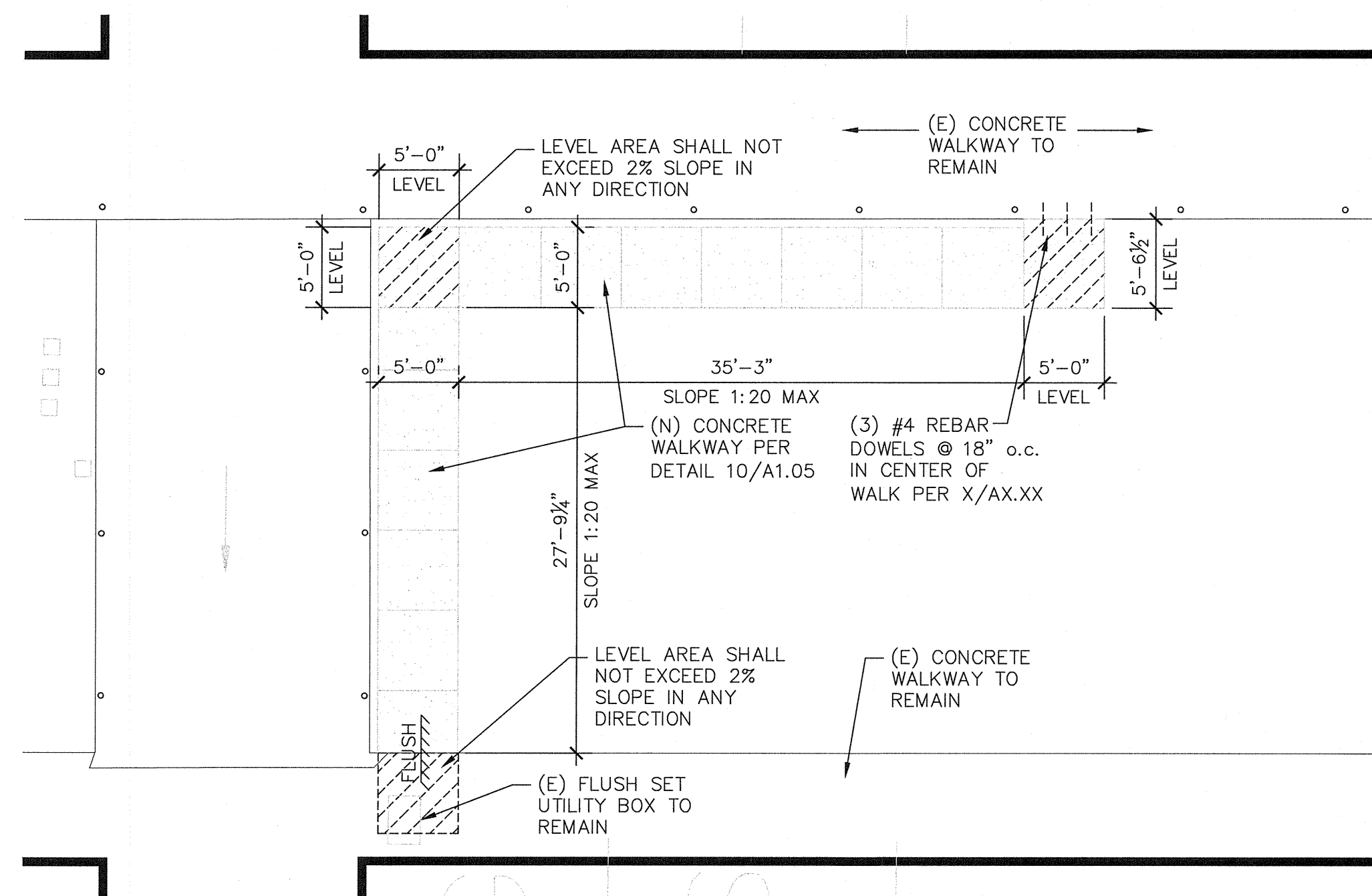
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SCALE: 1:10

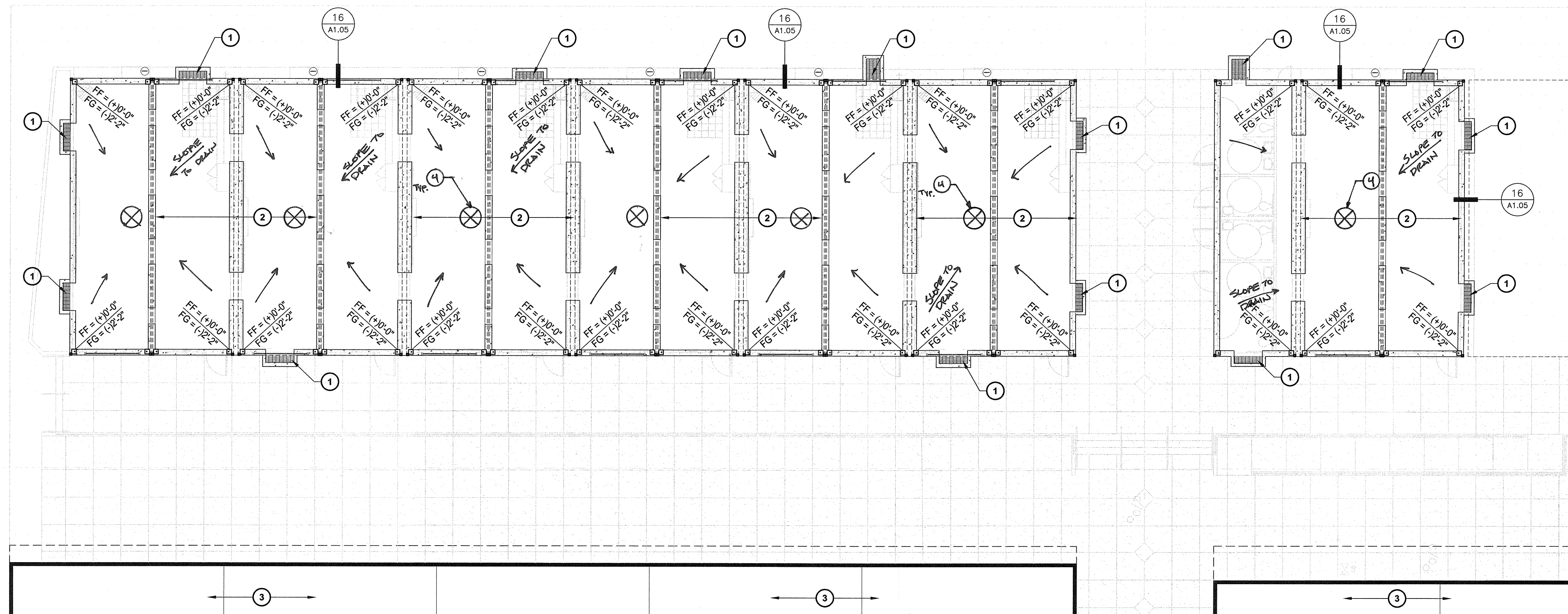
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80
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0
30
60
90
120
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40
60
80
100
120
16
0
8
16
24
32
8
0
8
16
24
32
4
0
4
8
12



2 NEW PLAY BOX
A1.03 SCALE: 1/8" = 1'-0"



1 ACCESSIBLE WALKWAY
A1.03 SCALE: 1/8" = 1'-0"



3 FOUNDATION LAYOUT
A1.03 SCALE: 1" = 10'

KEY NOTES

1. NEW FLOOR VENT AND ACCESS GRATING TO BE ADA ACCESSIBLE / APPROVED AND SHALL BE FLUSH W/ ALL ADJACENT WALKWAYS. REFER TO BUILDING MANUFACTURES DRAWINGS FOR VENT CALCS. AND INSTALLATION REQUIREMENTS. FASTEN VENT GRATE TO CONCRETE STEM WALL PER 11/A1.06
2. CONCRETE STEMWALL FOUNDATION. REFER TO MANUFACTURES DRAWINGS FOR ADDITIONAL INFORMATION
3. EXISTING RELOCATABLE BUILDING ON CONCRETE FOUNDATION. EXISTING FOUNDATION SHALL NOT BE DISTURBED
4. NEW DRAIN INLET. REFER TO CIVIL FOR ADDITIONAL INFORMATION

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Revision	Date	Description

FOUNDATION LAYOUT AND SITE DETAILS
PROJECT NAME & ADDRESS:
PIONEER DRIVE ELEMENTARY SCHOOL
7 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Issue Date: 09/02/10
Date: 09/01/10
Designer: [Signature]
DR: [Signature]
PC: CJM

VENT CALC.

Building Group #1
Total SF = 5760 = 38.4 SF REQ.
150
(9) 1'x4' VENTS = 36 SF
(1) 2'x3' VENT = 6 SF
42 SF > 38.4 = OK

Building Group #2
Total SF = 1440 = 9.6 SF REQ.
150
(4) 1'x4' VENTS = 16 SF
(1) 2'x3' VENT = 6 SF
22 SF > 9.6 SF = OK

LEGEND

- [Pattern] NEW CONCRETE FOUNDATION STEM-WALL REFER TO MANUF. DRAWINGS FOR INFO
- [Pattern] INDICATES NEW ASPHALT PAVING. REFER TO CIVIL FOR ADDITIONAL INFO.

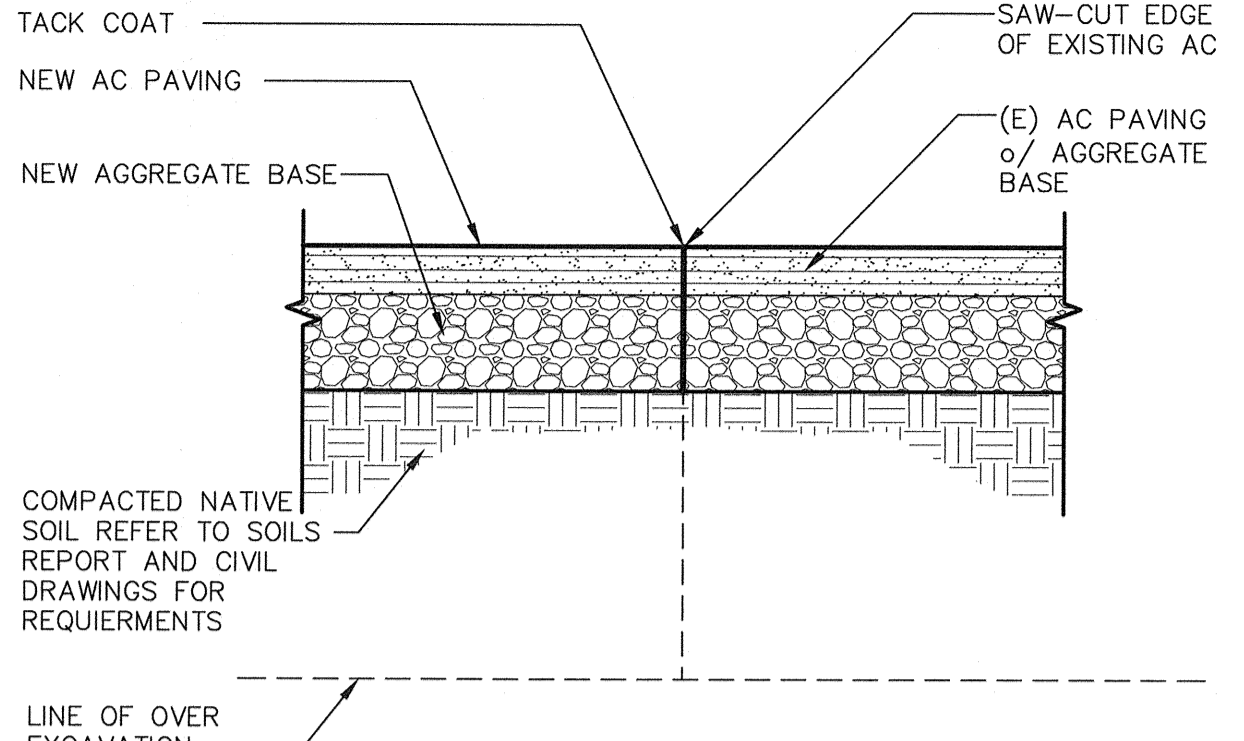
FILE # 15-6
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03-113549
AC: [Signature] FL: [Signature] SS: [Signature]
DATE: 9-2-2010
TRACKING #: 63321-105

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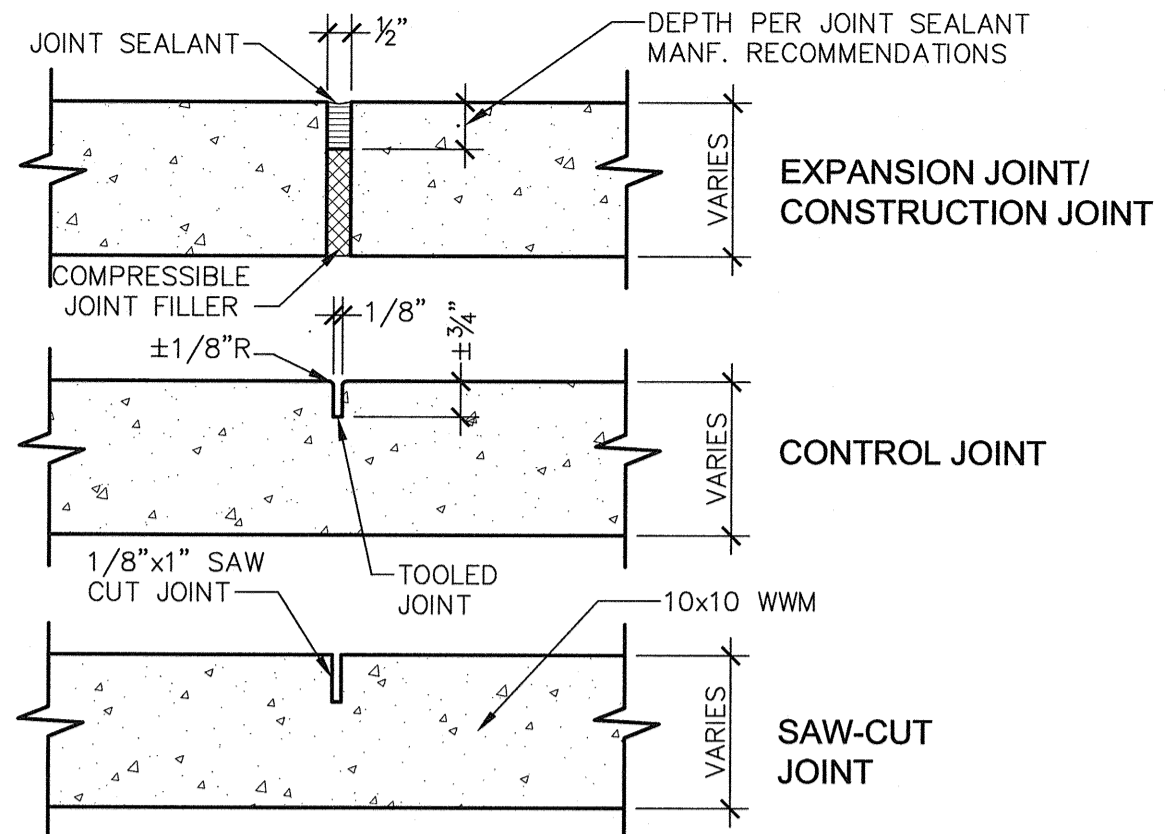
REGISTERED ARCHITECT
CURTIS E. MCNALLY
No. C 28866
EXPIRES 12-31-11
STATE OF CALIFORNIA

Job No: **3862**
Sheet No: **A1.03**
Release: -

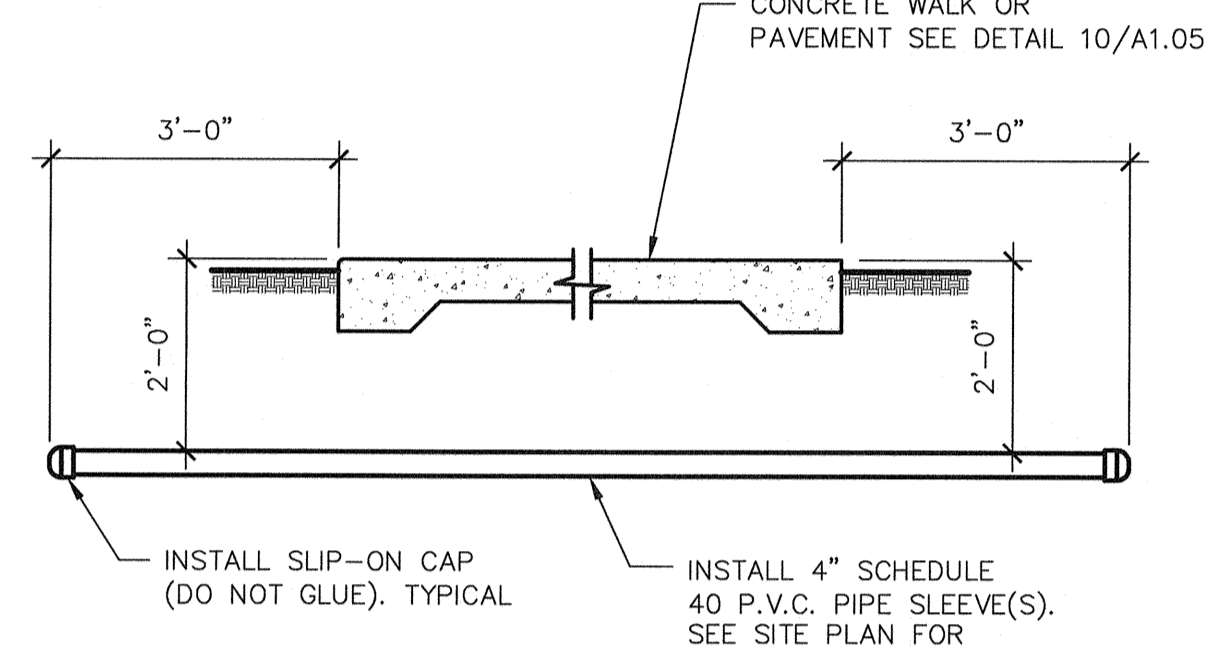
1" = 40'-0"
1" = 30'-0"
1" = 20'-0"
1" = 1'-0"
1/8" = 1'-0"
1/4" = 1'-0"



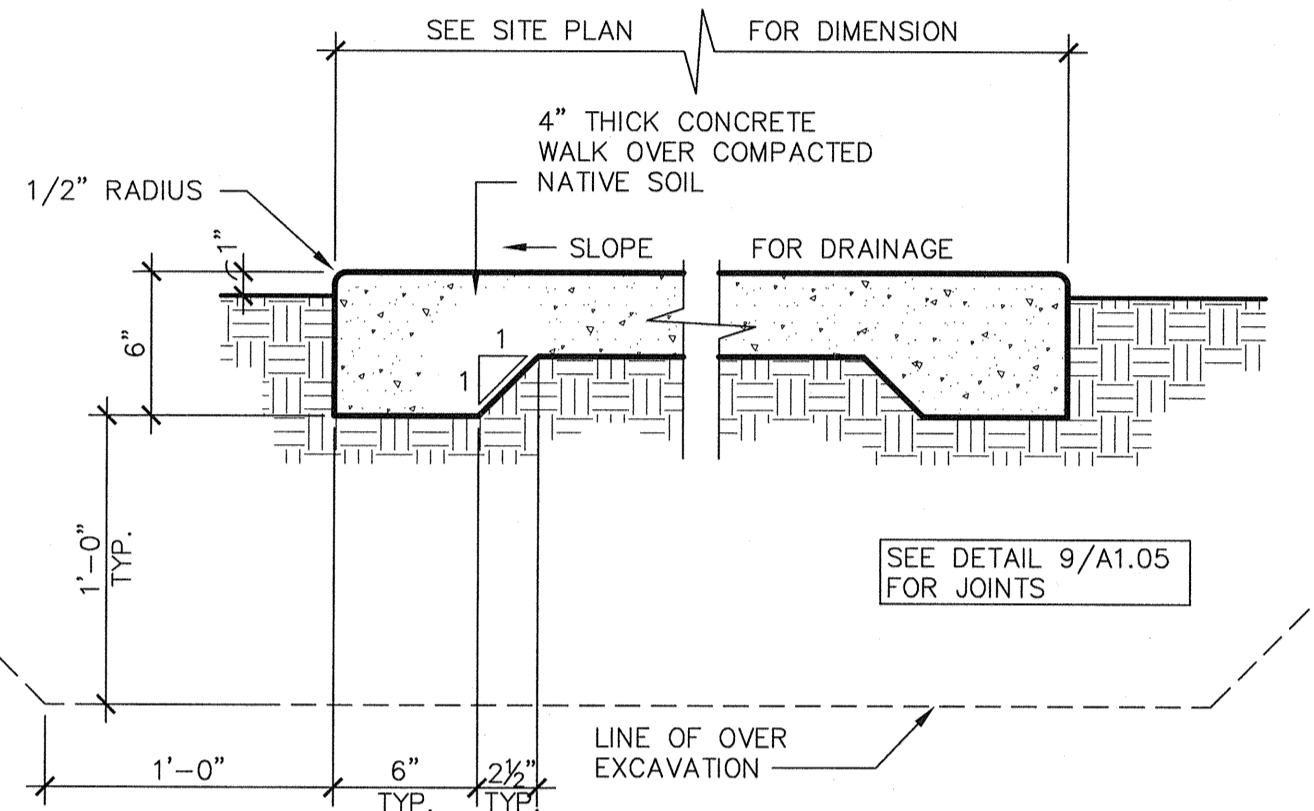
13 NEW TO EXISTING AC/PAVING
A1.05 ADS100-07 SCALE: 1 1/2" = 1'-0"



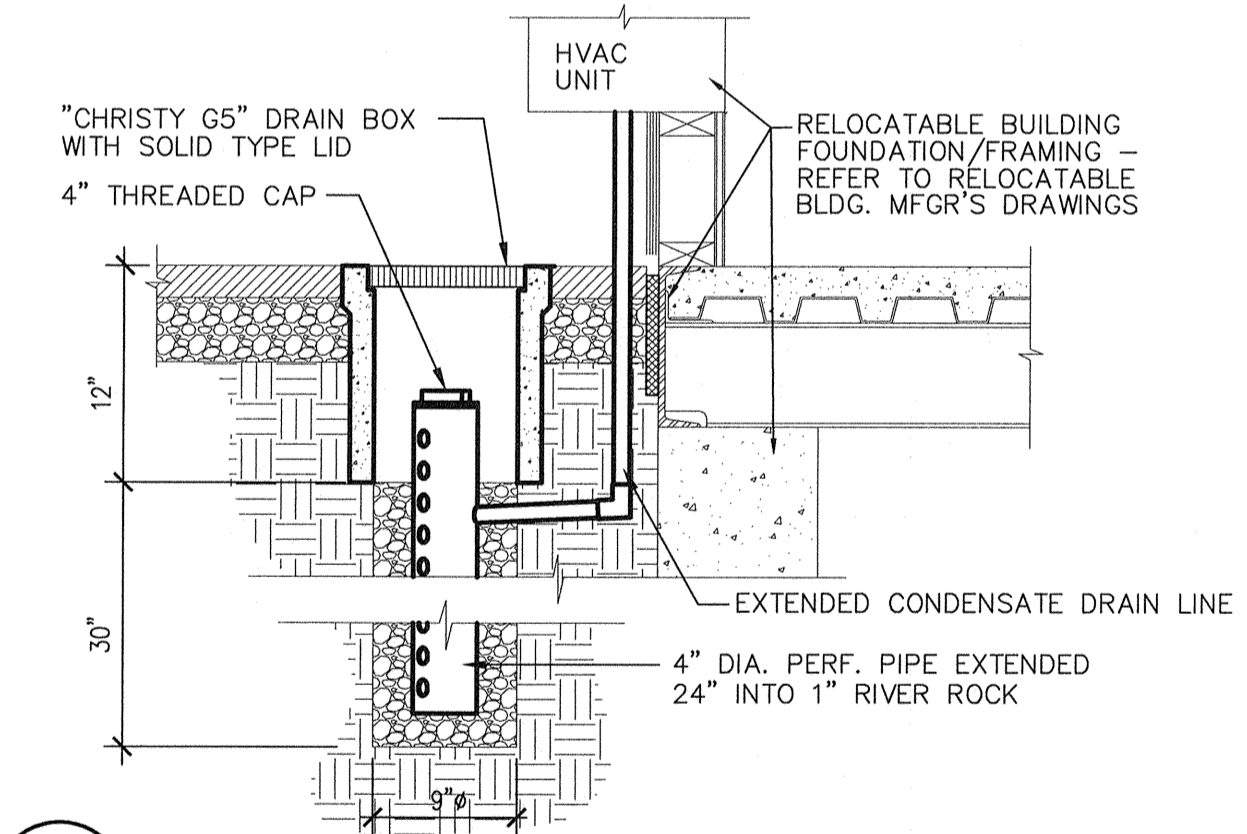
9 CONCRETE JOINTS
A1.05 ADS110-01 SCALE: 3" = 1'-0"



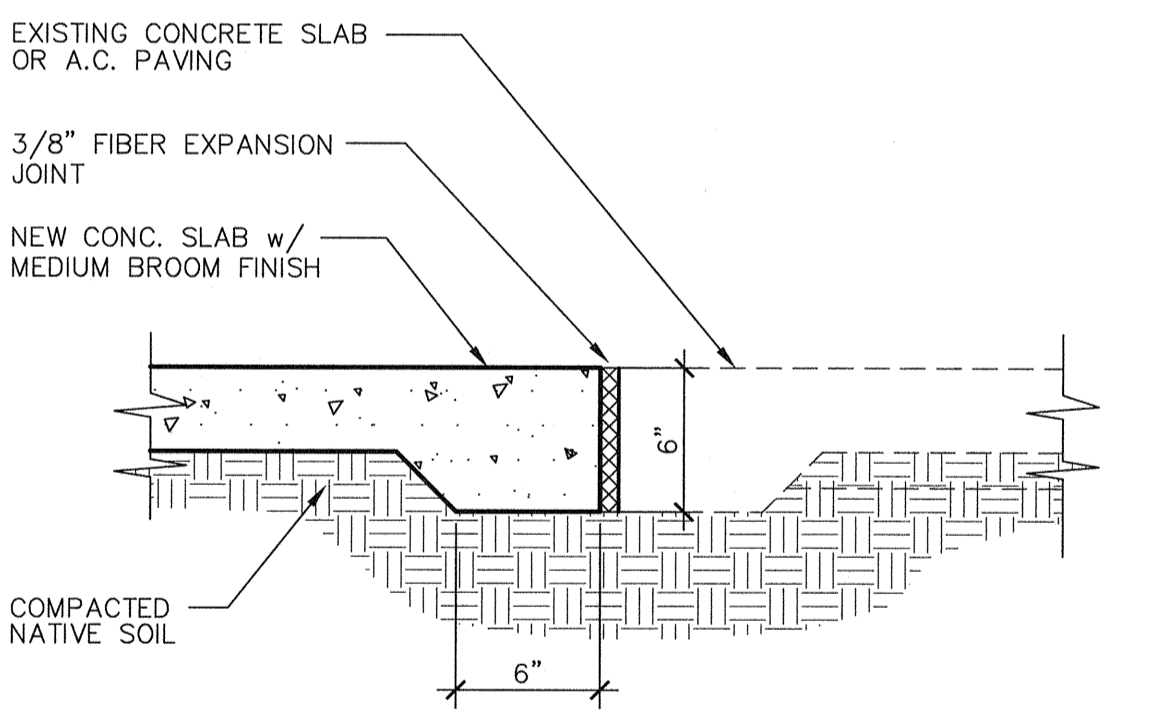
14 IRRIGATION SLEEVE DETAIL
A1.05 ADS100-13 SCALE: 1/2" = 1'-0"



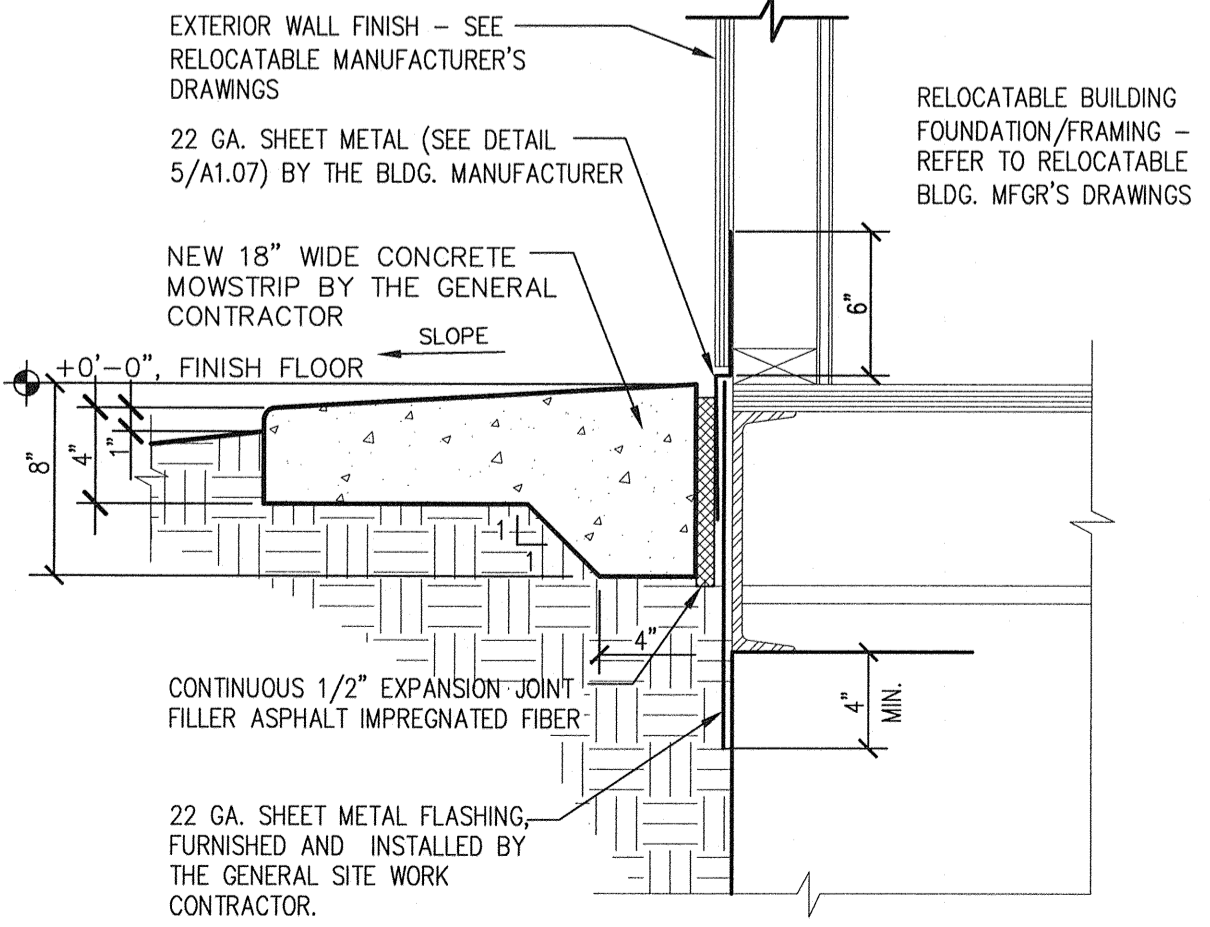
10 TYPICAL CONCRETE WALK
A1.05 ADS100-15 SCALE: 1 1/2" = 1'-0"



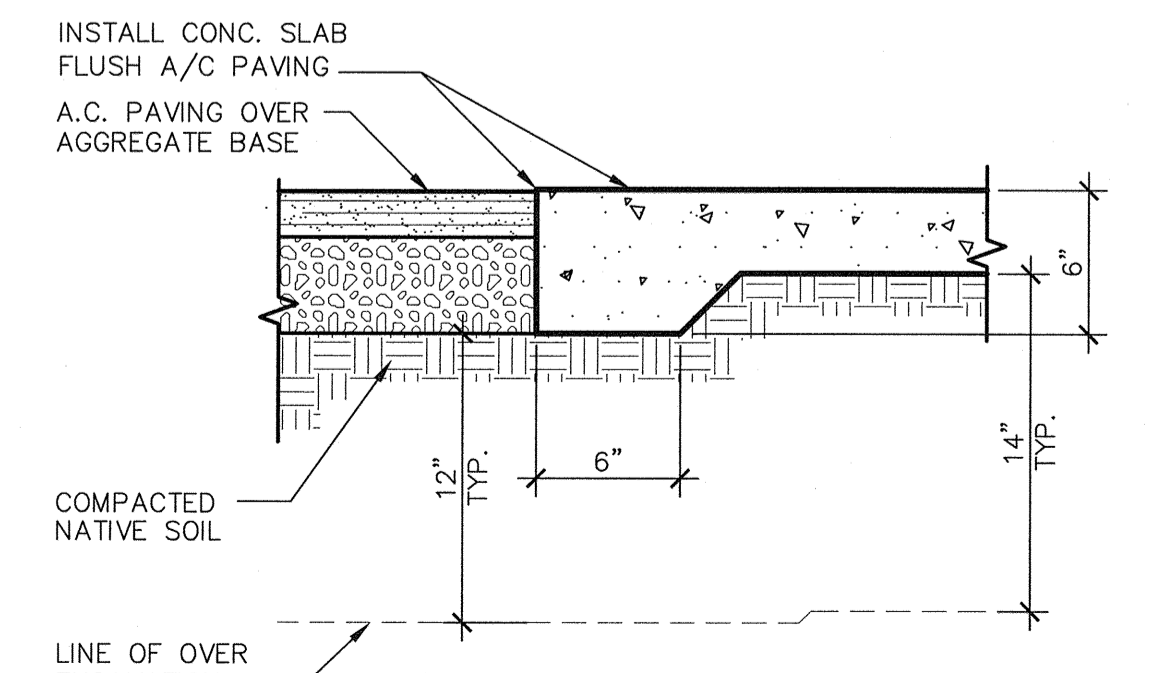
15 HVAC CONDENSATE DRAIN DETAIL
A1.05 SCALE: N.T.S.



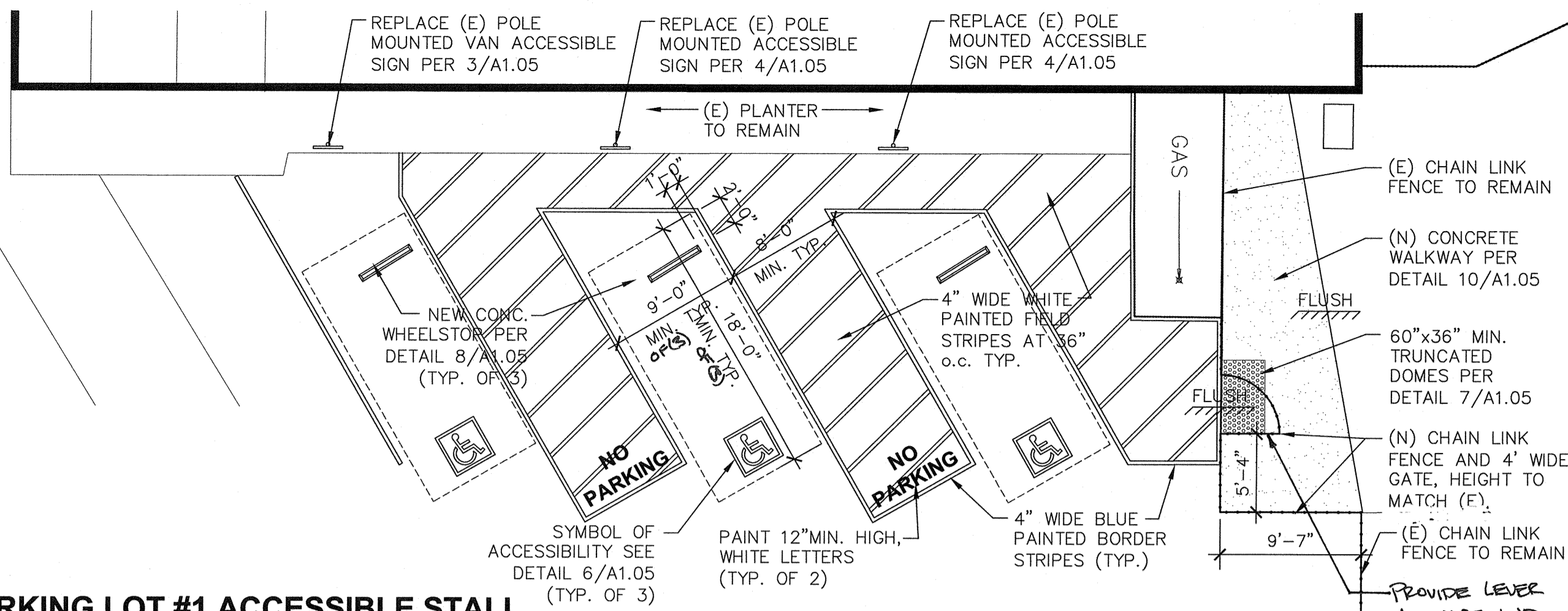
11 (N) CONC. @ (E) PAVING
A1.05 ADS100-05 SCALE: 2 7/64" = 1'-0"



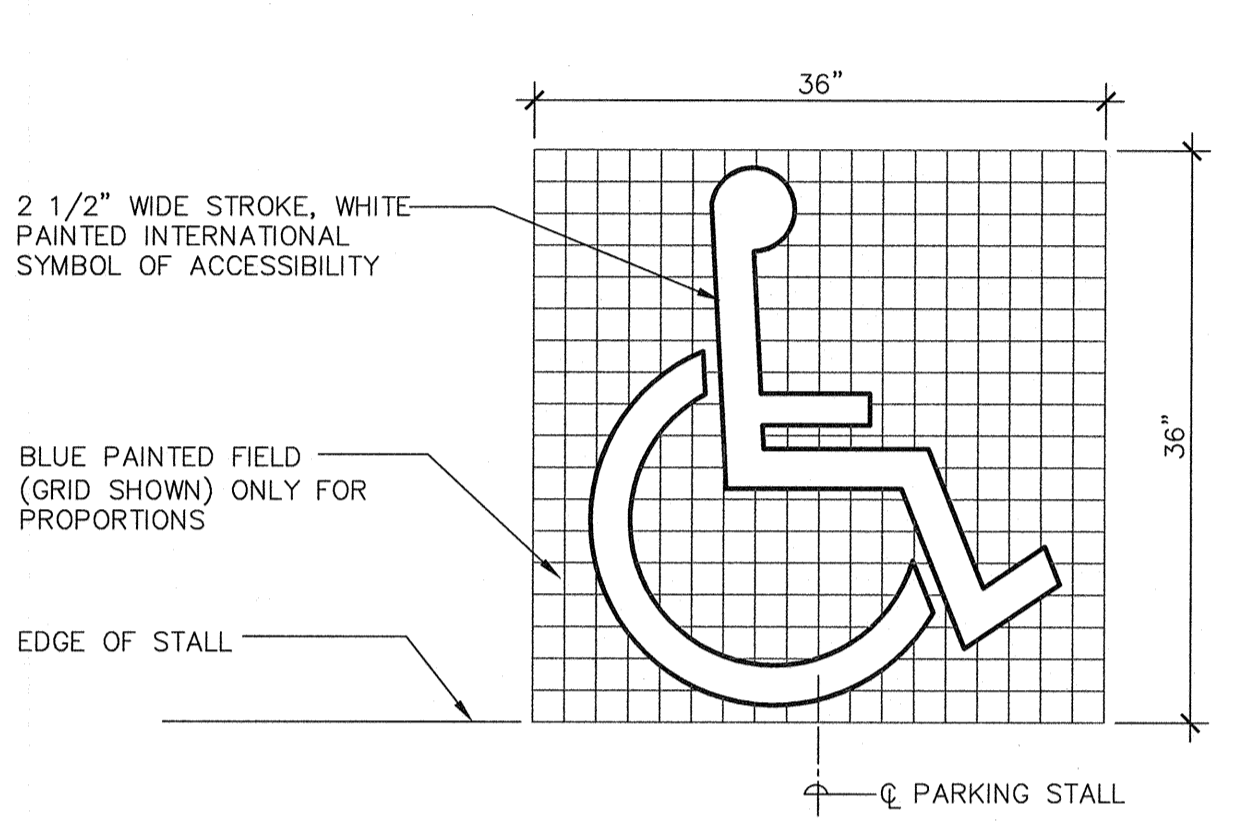
16 TYPICAL MOWSTRIP/FLASHING DETAIL
A1.05 ADT101-6 SCALE: 1 1/2" = 1'-0"



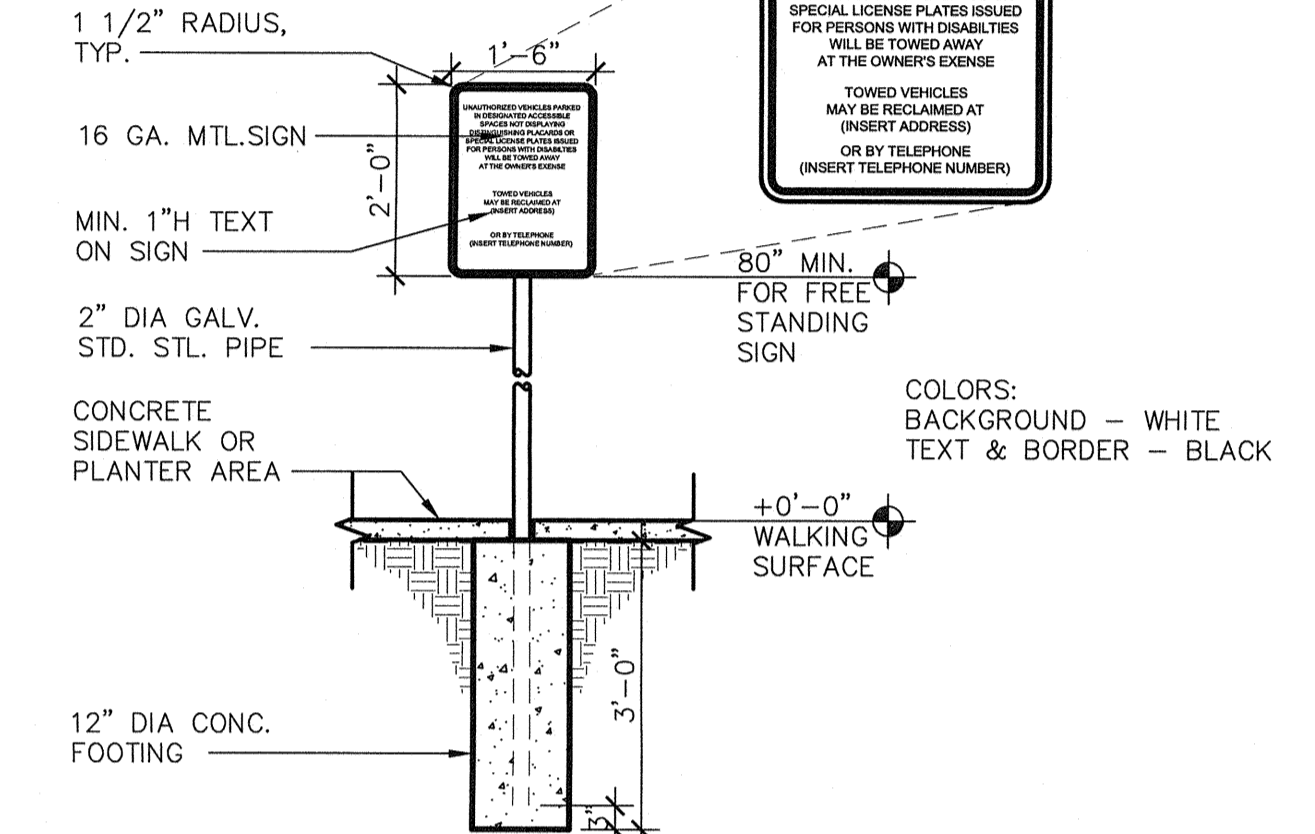
12 CONCRETE SLAB AT PAVING
A1.05 ADS100-03 SCALE: 1 1/2" = 1'-0"



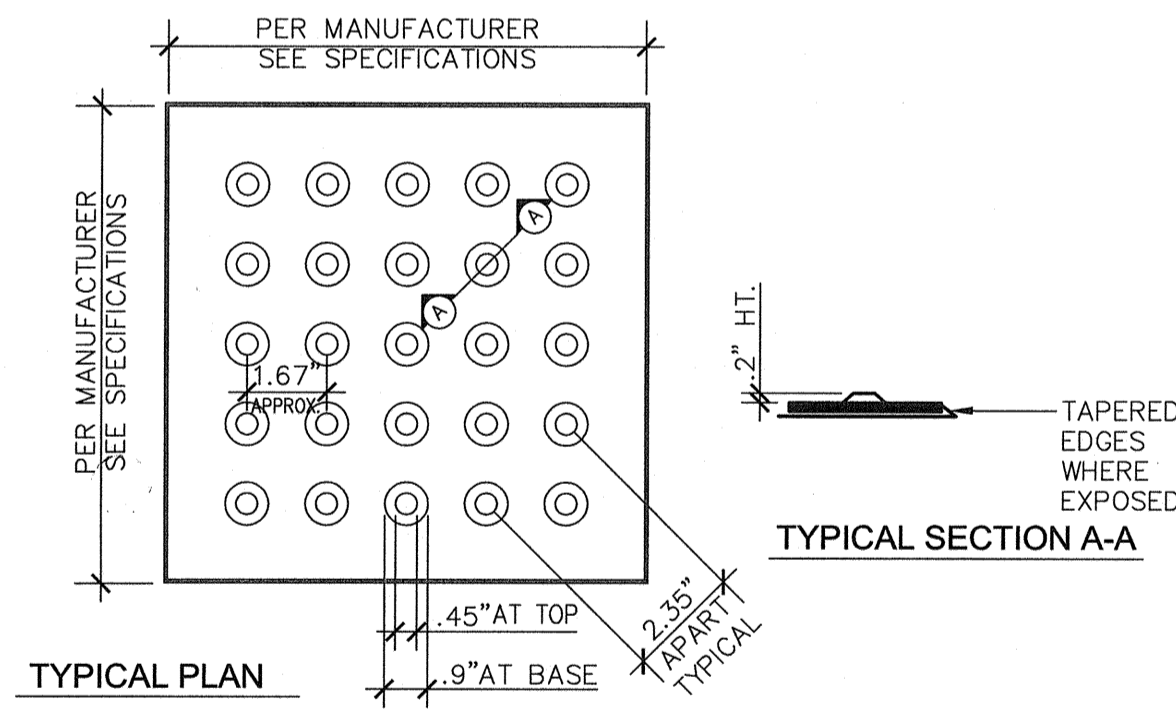
1 PARKING LOT #1 ACCESSIBLE STALL
A1.05 SCALE: 1/8" = 1'-0"



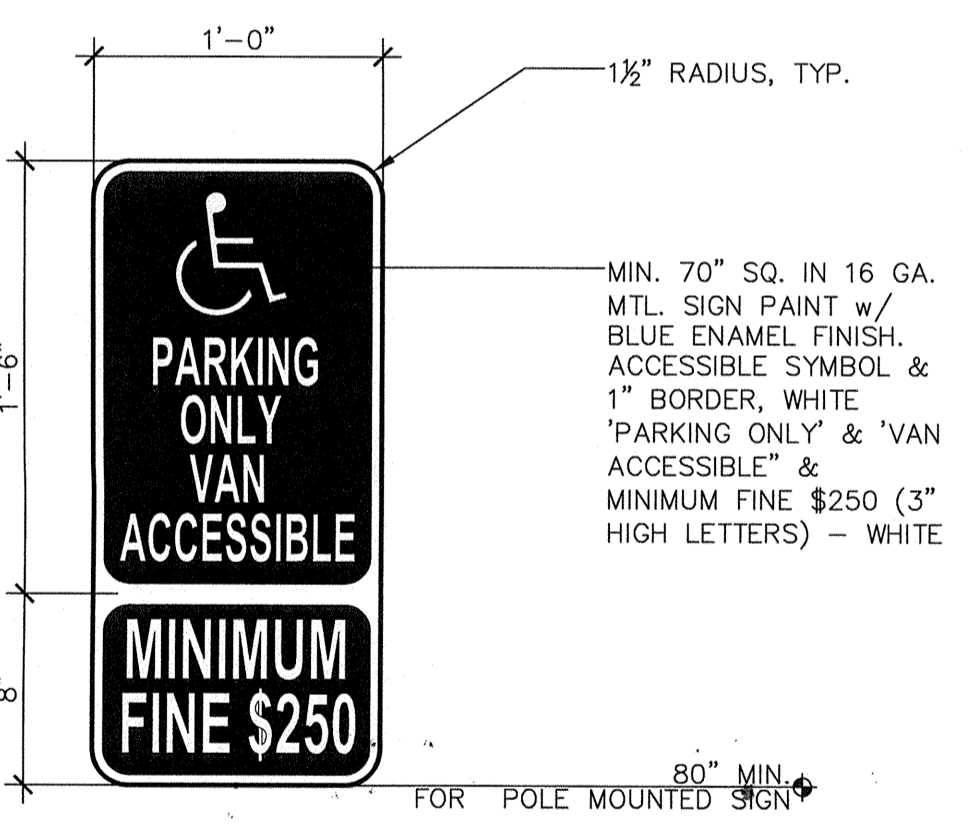
6 TYPICAL ACCESSIBLE PARKING STALL SYMBOL
A1.05 ADA100-03 SCALE: 1" = 1'-0"



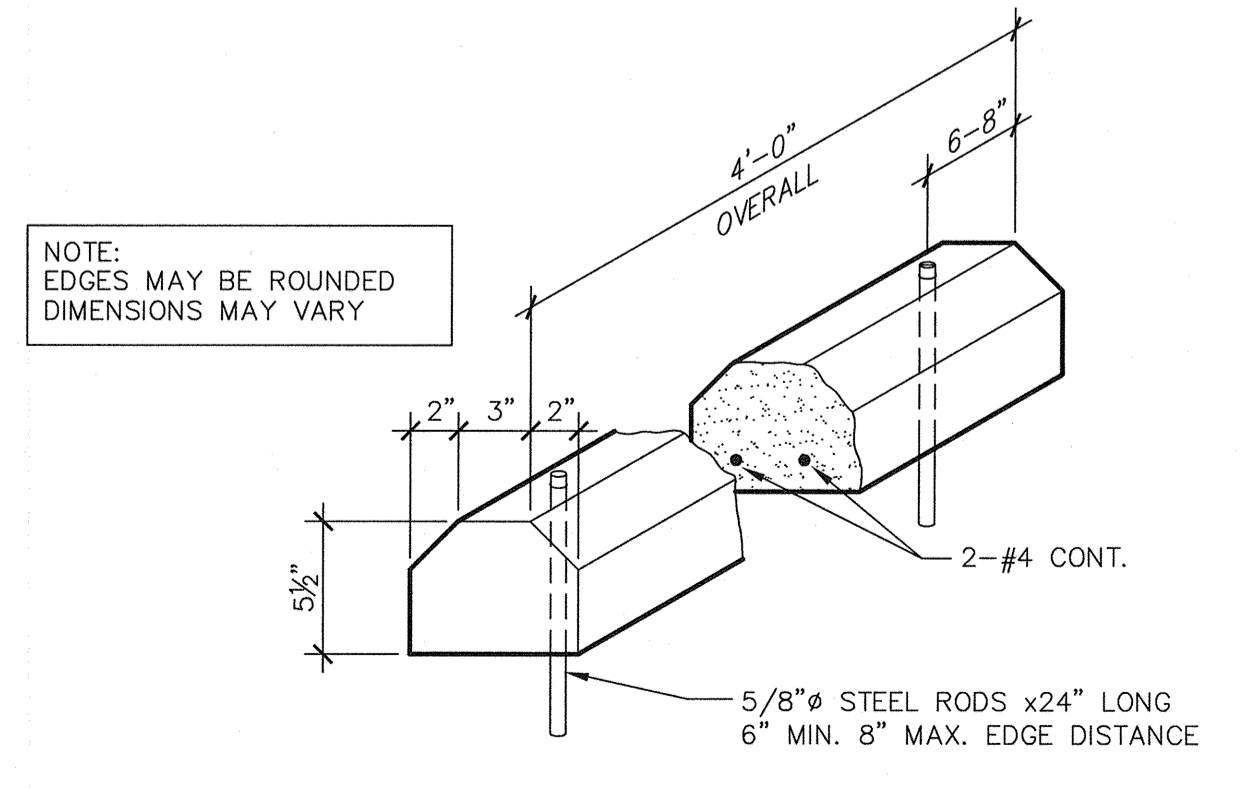
2 TOW AWAY SIGNAGE DETAIL
A1.05 ADA100-02 SCALE: 1/2" = 1'-0"



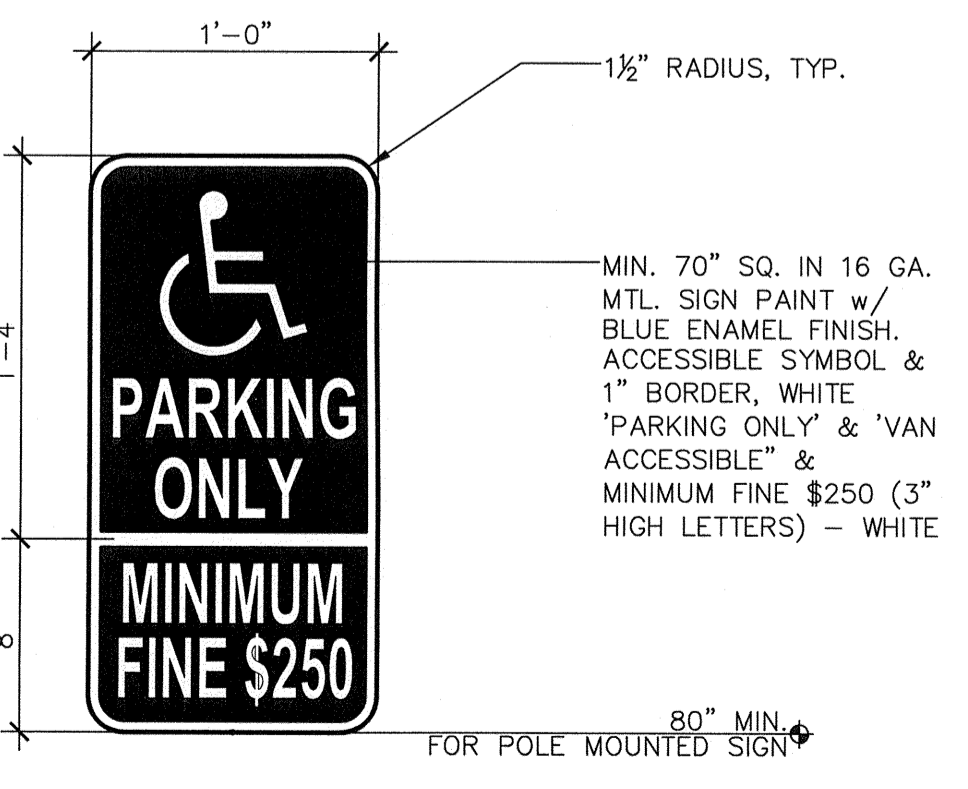
7 CBC FIGURE 11B-23A - TRUNCATED DOMES
A1.05 ADA100-06 SCALE: N.T.S.



3 VAN ACCESSIBLE PARKING SIGNAGE MOUNT
A1.05 ADA100-33 SCALE: 1 1/2" = 1'-0"



8 WHEEL STOP
A1.05 ADA100-07 SCALE: 1 1/2" = 1'-0"



4 ACCESSIBLE PARKING SIGNAGE MOUNT
A1.05 ADA100-34 SCALE: 1 1/2" = 1'-0"

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Revision: _____

SITE DETAILS

PIONEER DRIVE ELEMENTARY SCHOOL
7 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Project Name & Address:
Sheet Title:

Issue Date: 09/02/10
Date: 09/01/10
Designer: _____
DR: _____
FC: CUM

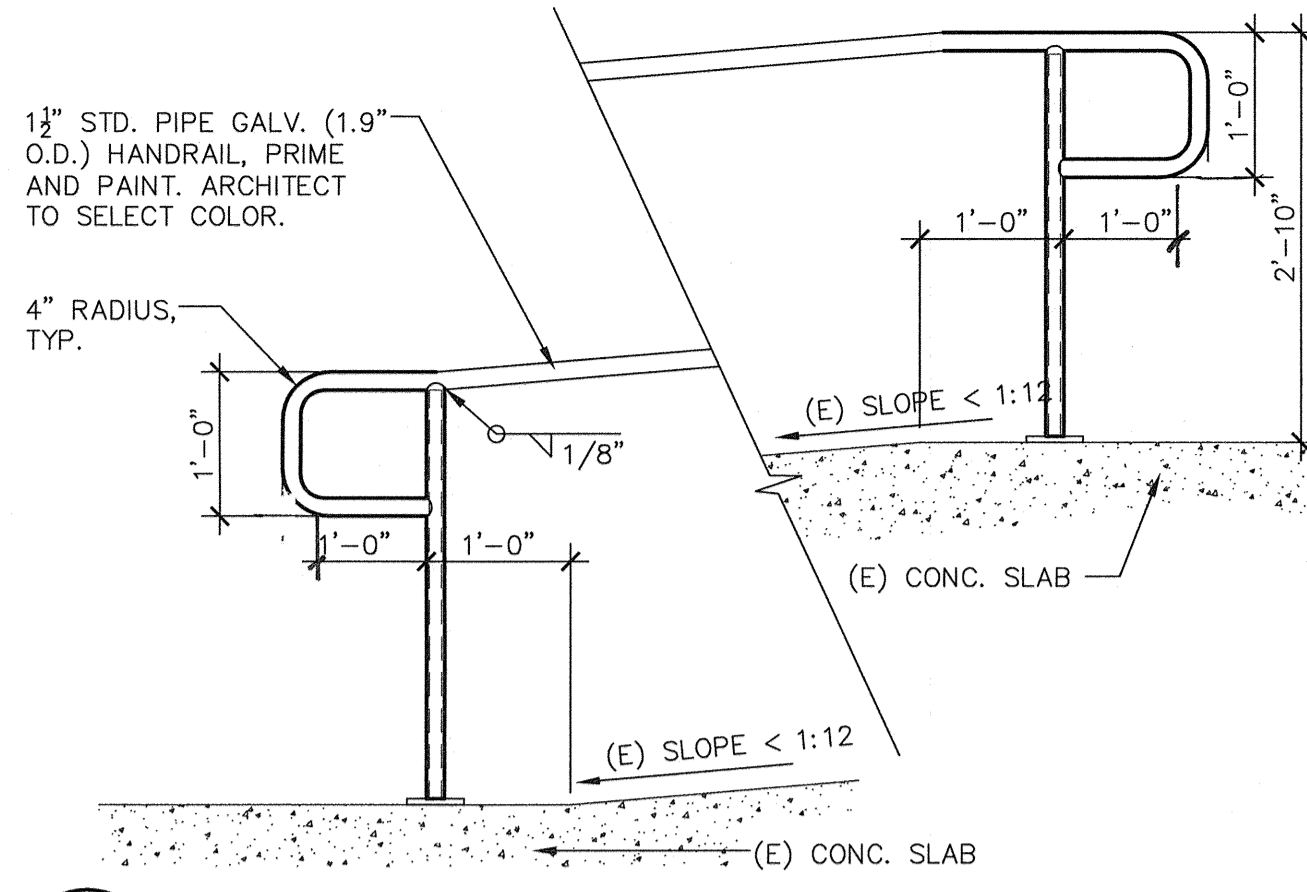
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FILE #: 15-6
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CURTIS E. McNALLY
No. C 28966
STATE OF CALIFORNIA

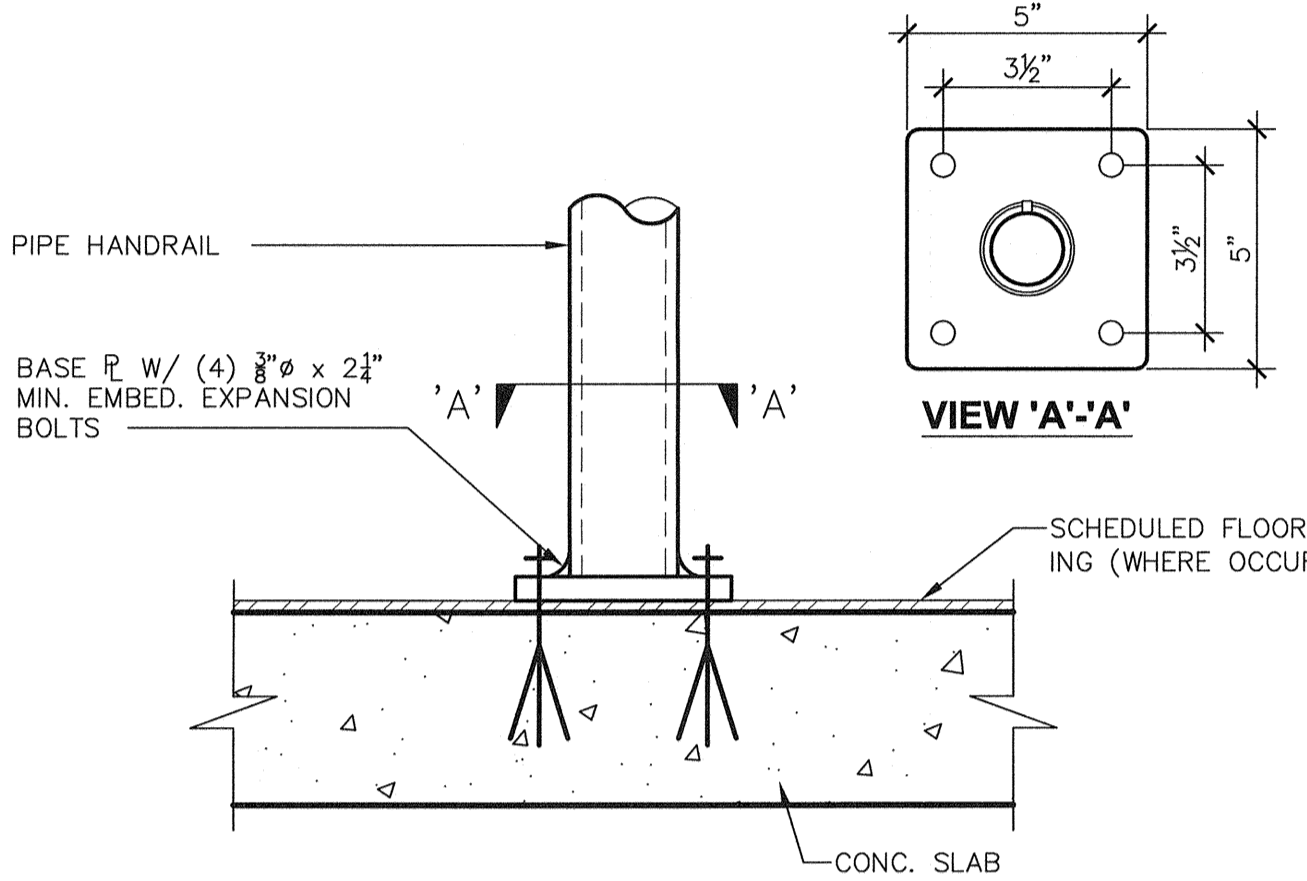
Job No.: **3862**

Sheet No.: **A1.05**

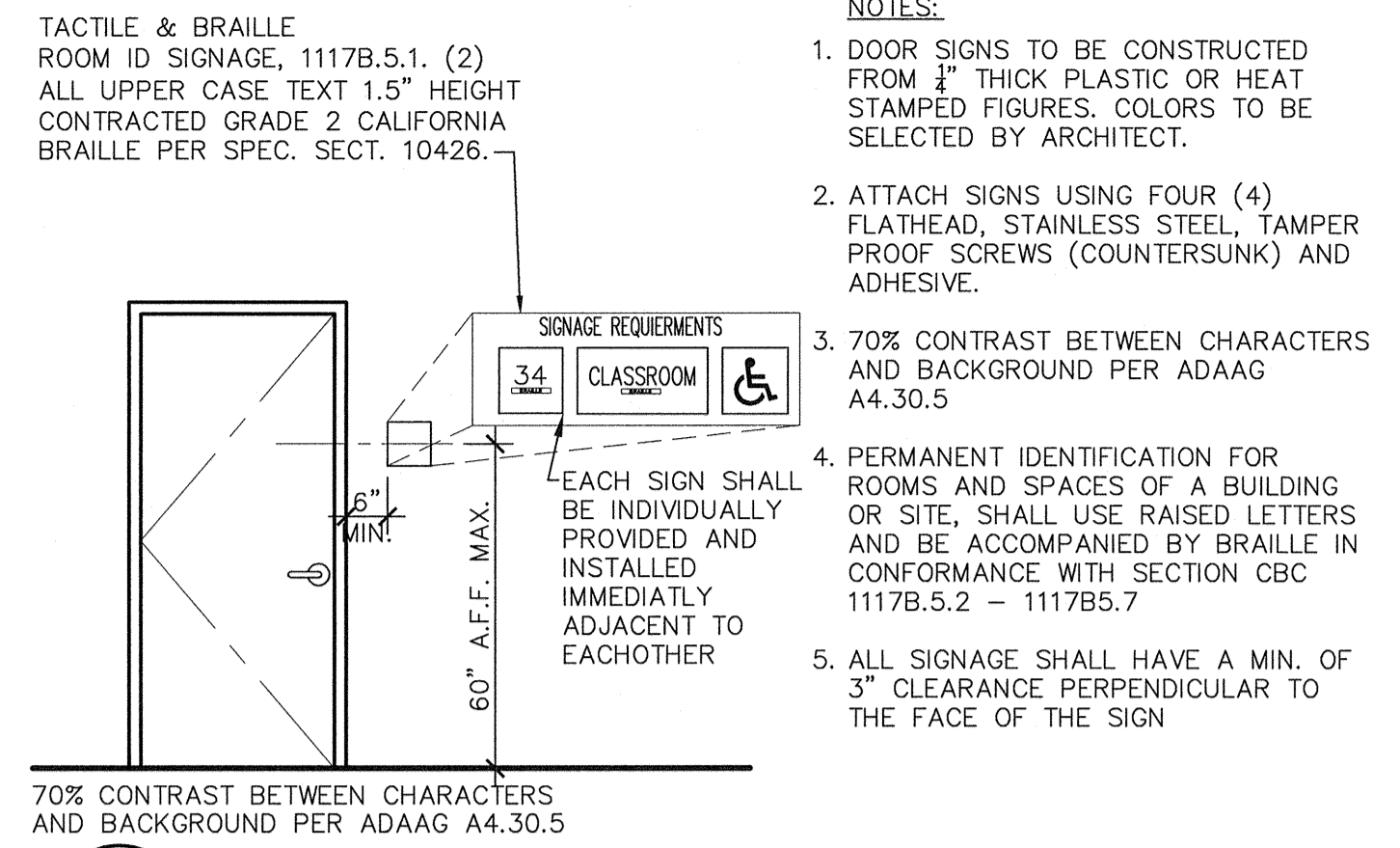
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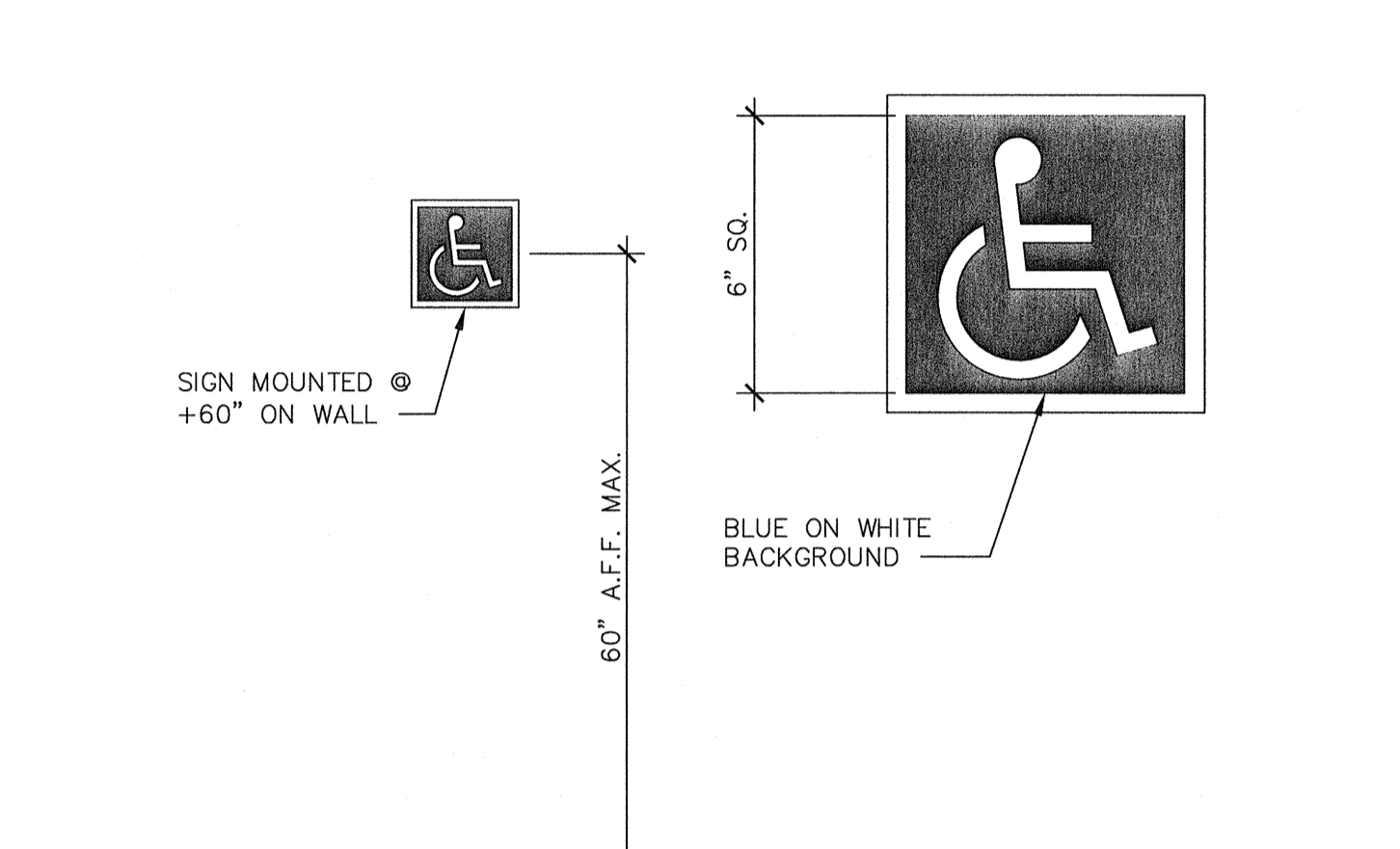
13 HANDRAIL @ EXISTING RAMP
A1.06 ADE200-01 SCALE: 3/4" = 1'-0"



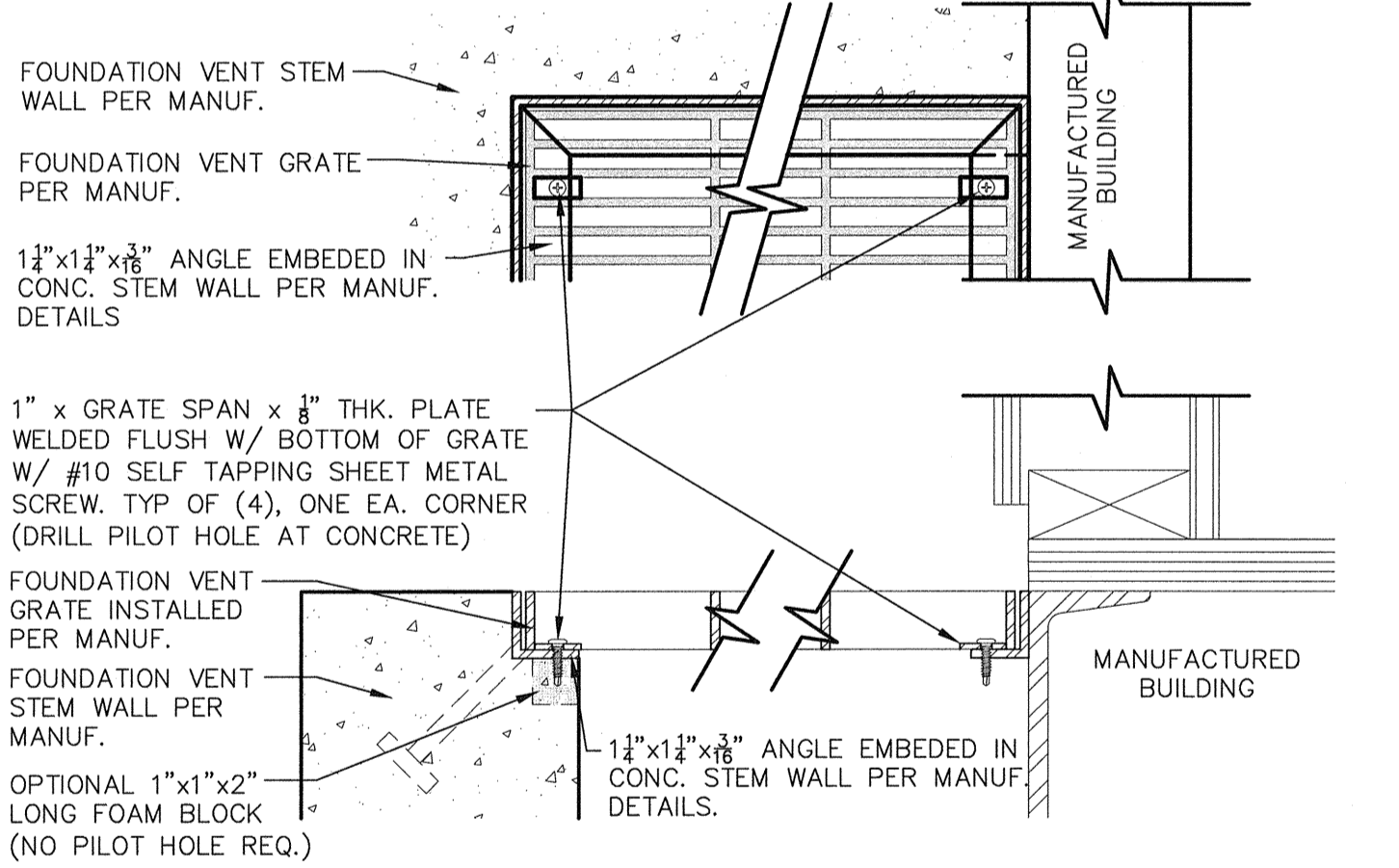
14 HANDRAIL ATTACHMENT
A1.06 ADE200-02 SCALE: 3" = 1'-0"



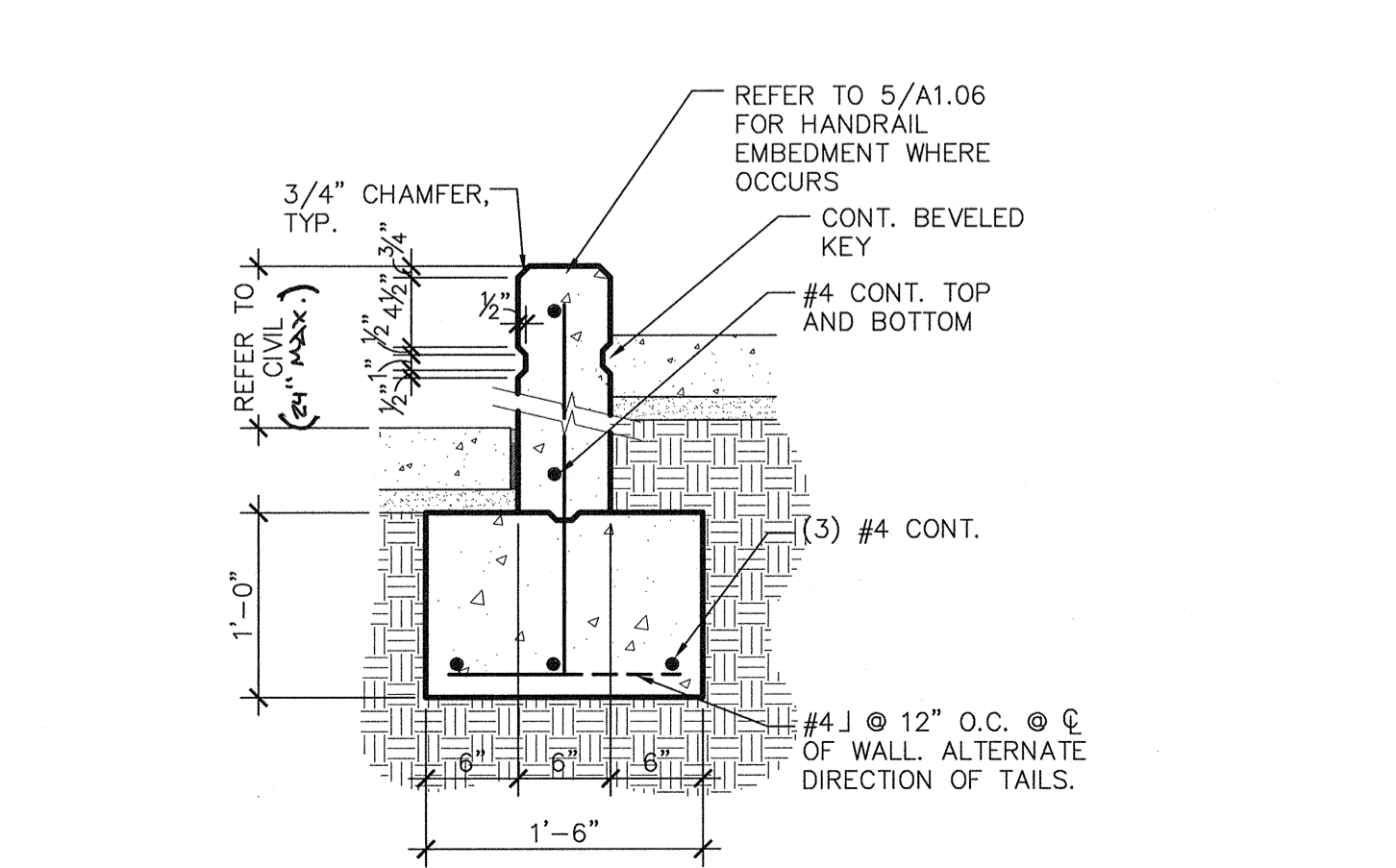
9 ROOM ID SIGNAGE
A1.06 BCSD SCALE: N.T.S.



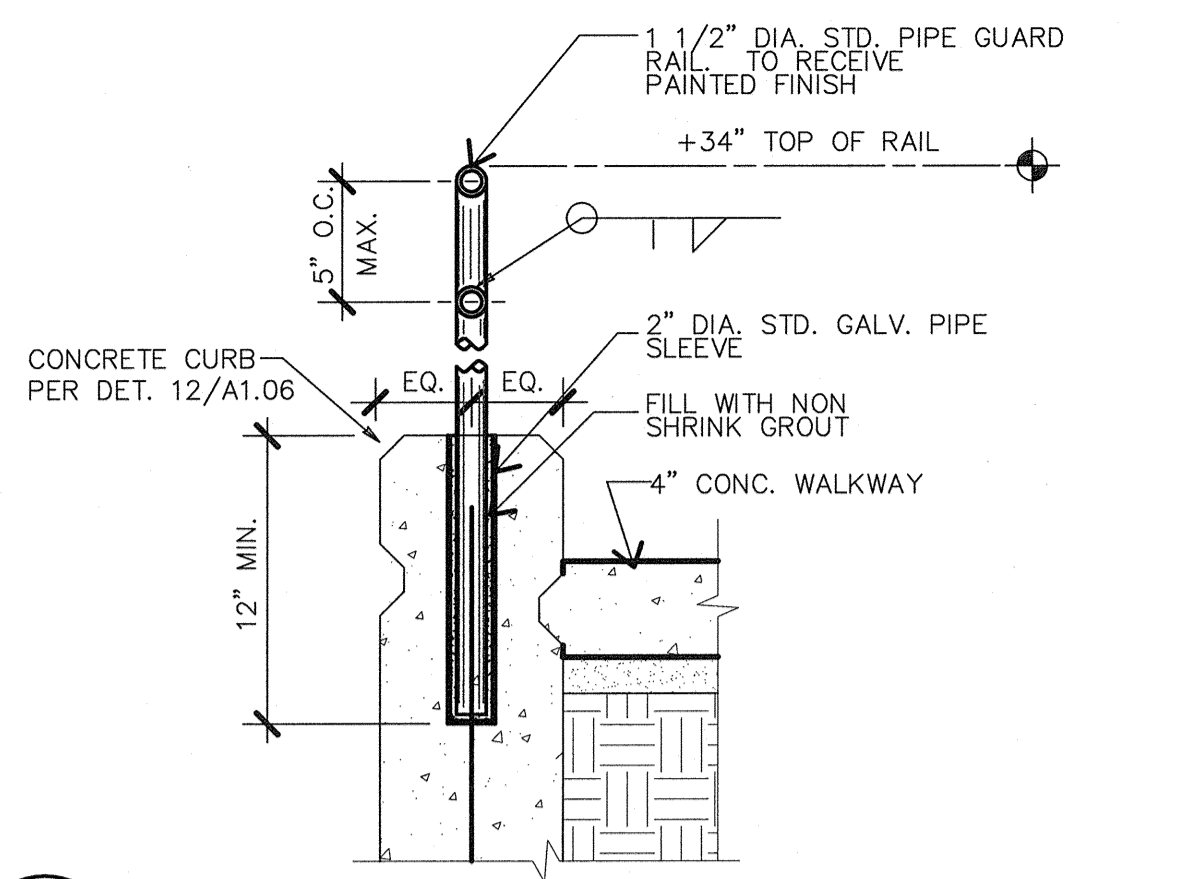
10 ACCESSIBLE ENTRANCE SIGN
A1.06 ADA100-16 SCALE: 3" = 1'-0"



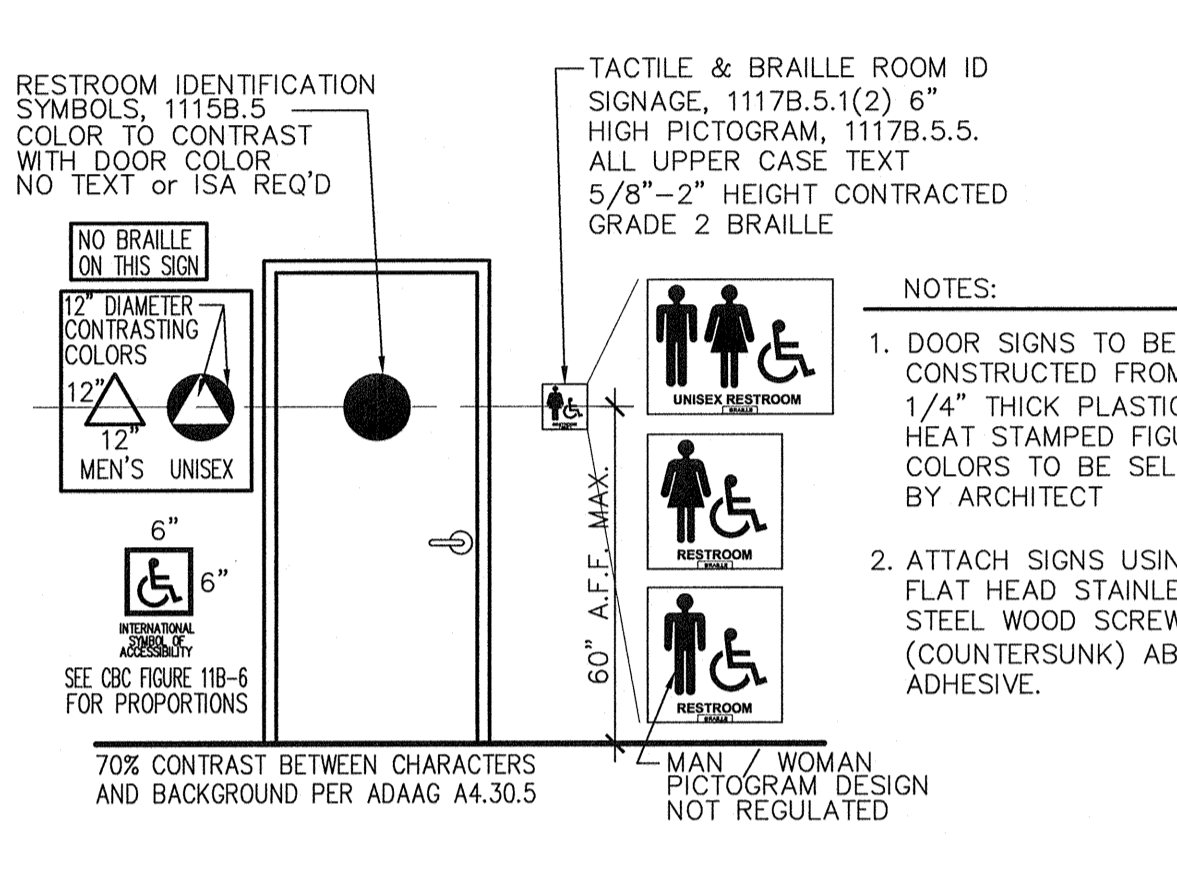
11 VENT GRATE ANCHORAGE
A1.06 BCSD STANDARD SCALE: 3" = 1'-0"



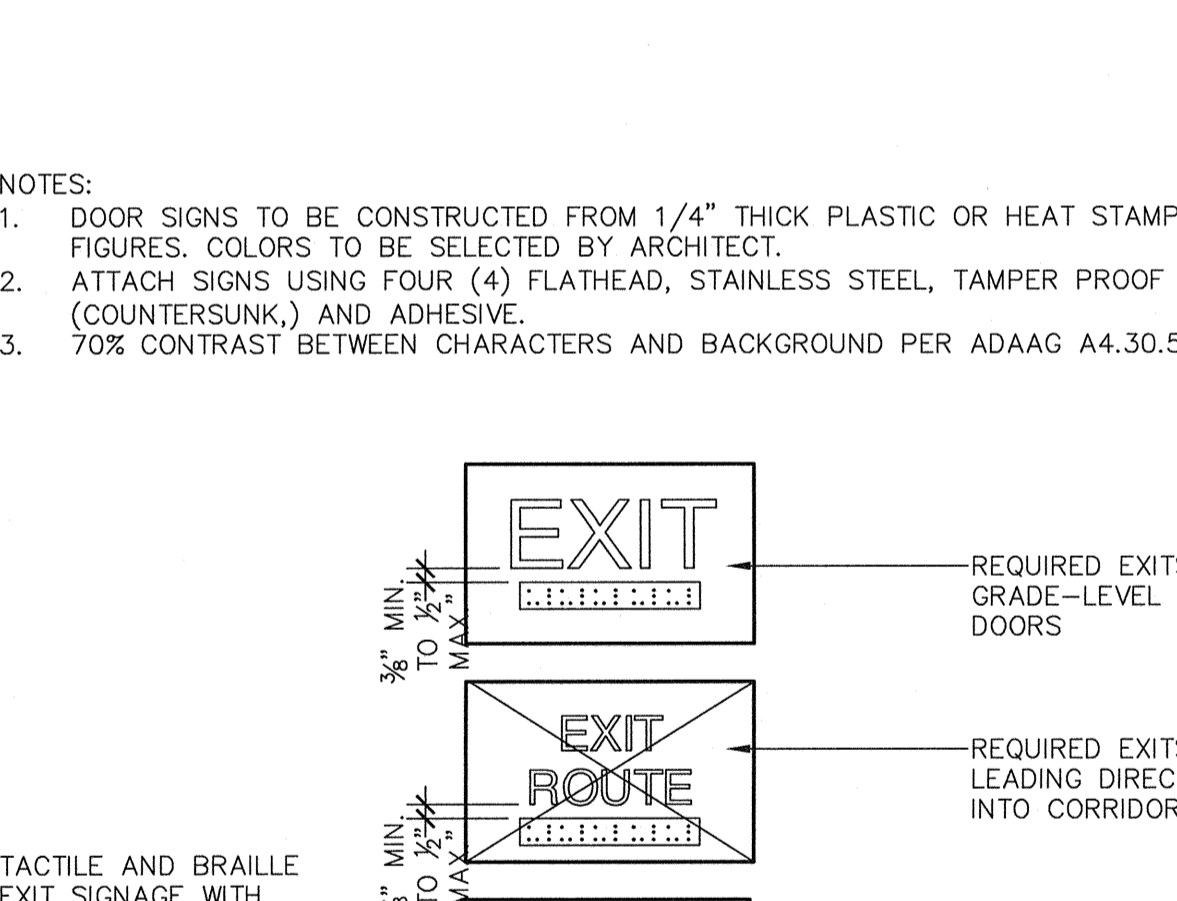
12 RETAINING WALL
A1.06 SCALE: 1" = 1'-0"



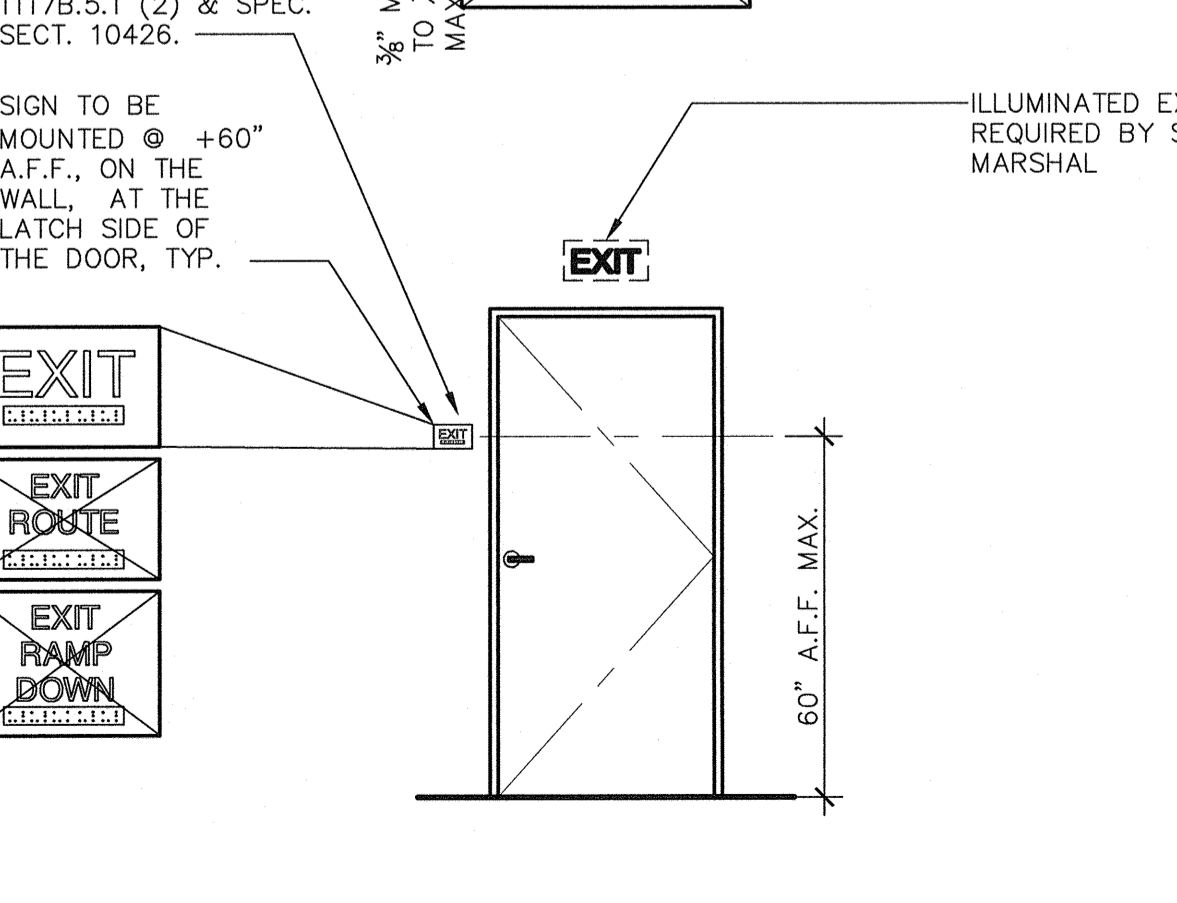
5 HAND RAIL EMBEDMENT
A1.06 SCALE: 1 1/2" = 1'-0"



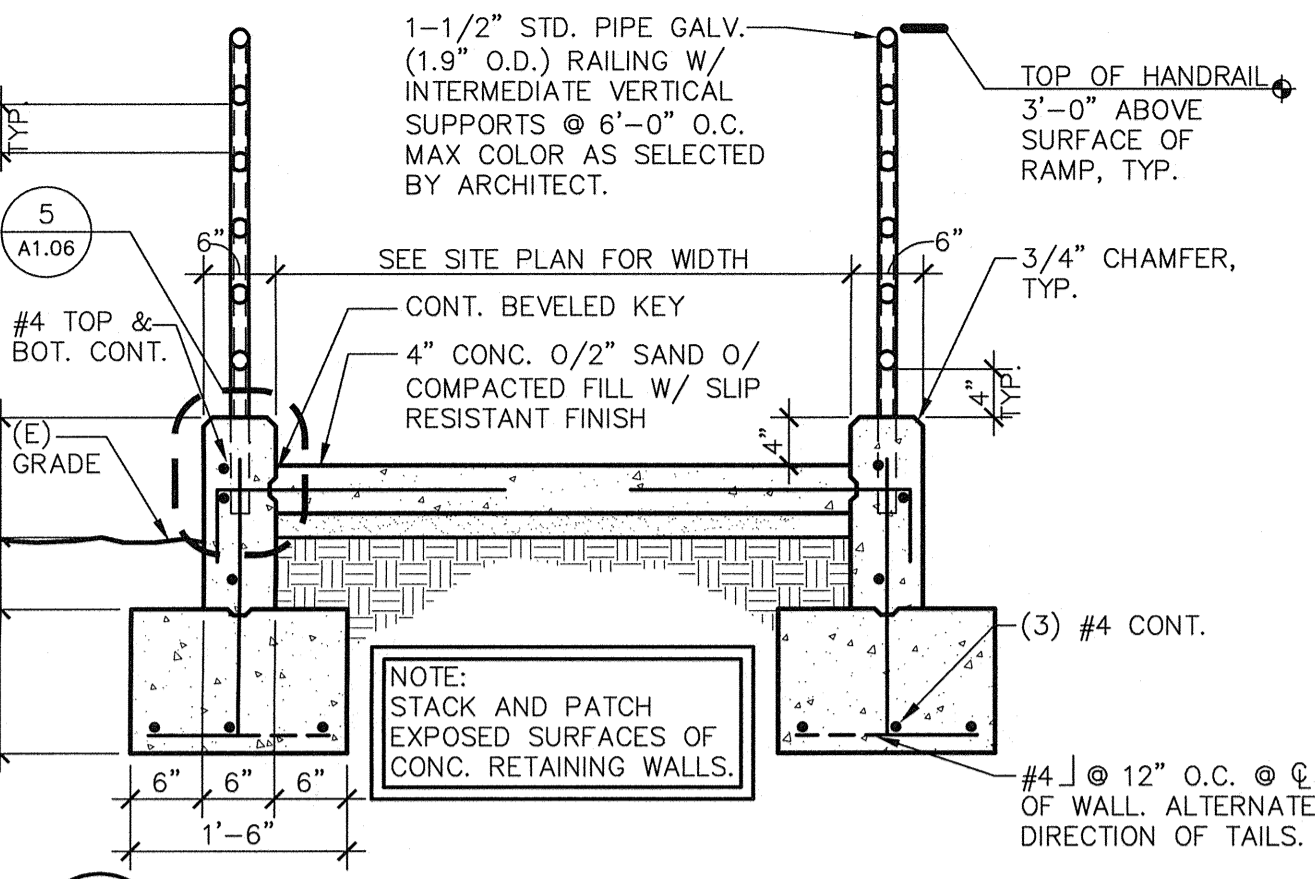
6 RESTROOM SIGNAGE
A1.06 ADA200-03 SCALE: 1' = 1'-0"



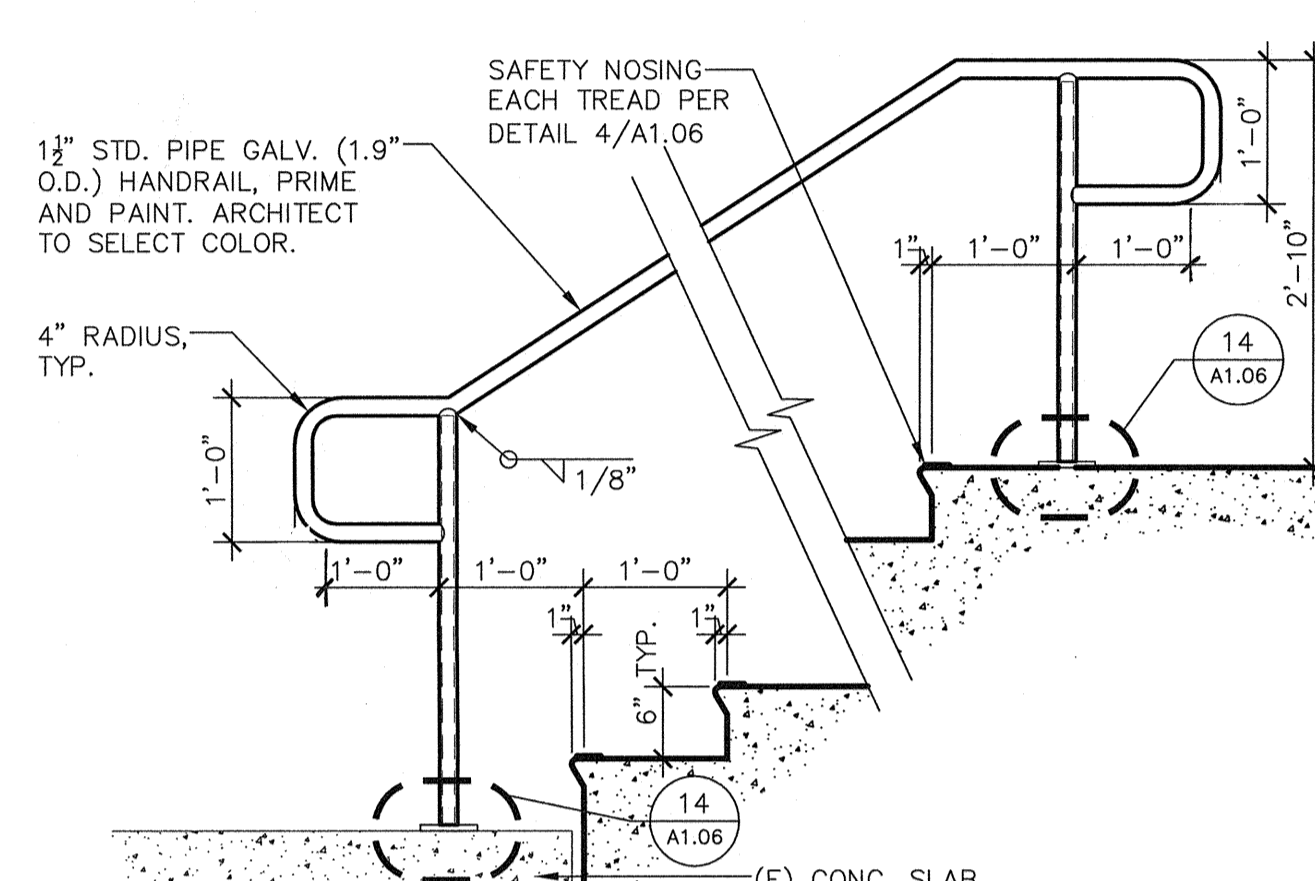
8 TYPICAL EXTERIOR DOOR SIGNAGE
A1.06 ADA200-13 SCALE: 3/8" = 1'-0"



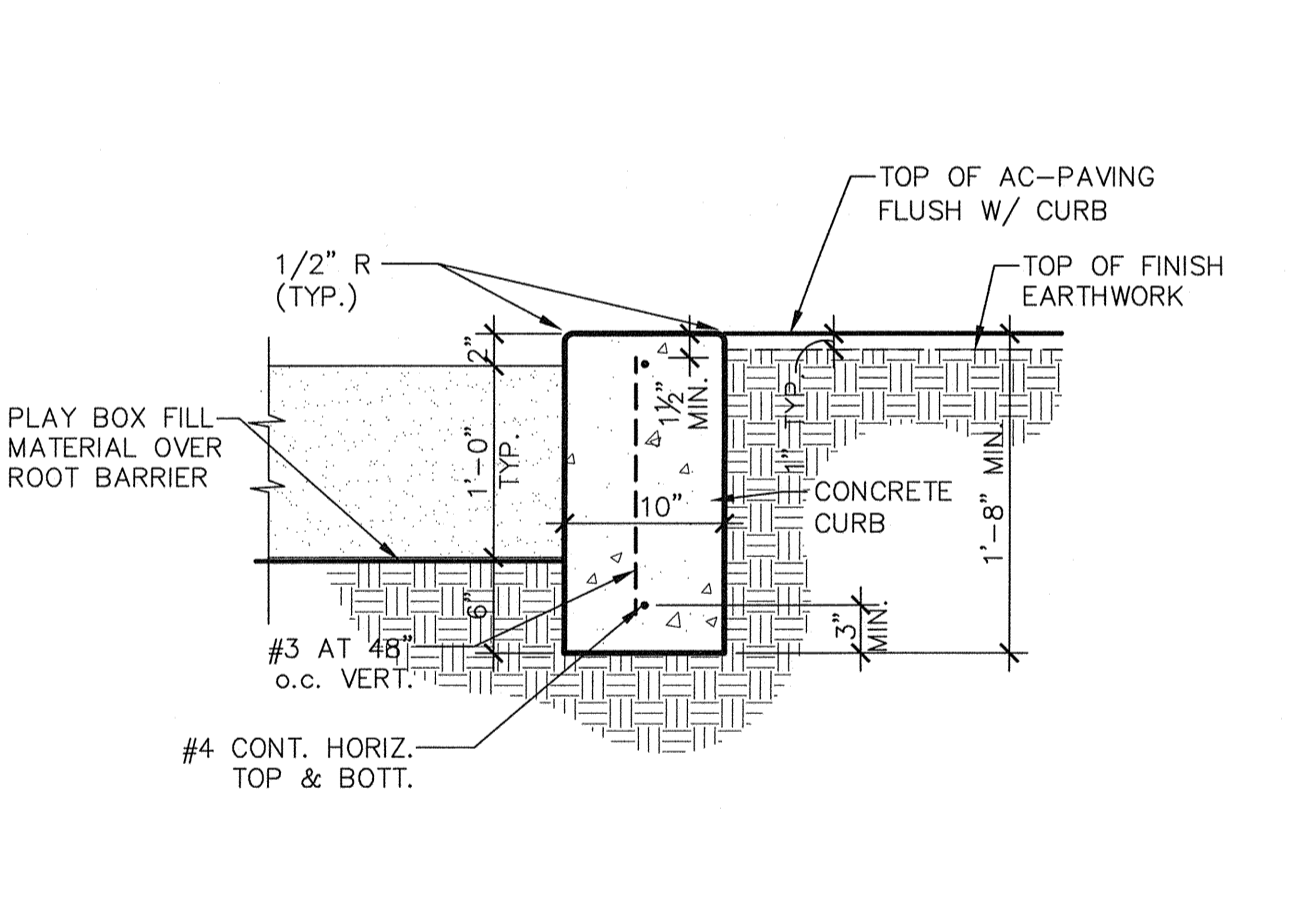
1 SECTION THROUGH ACCESS RAMP
A1.06 ADE100-03 SCALE: 3/4" = 1'-0"



2 HANDRAIL @ PLATFORM STAIRS
A1.06 ADE200-01 SCALE: 3/4" = 1'-0"



3 CONCRETE CURB AT PLAY BOX
A1.06 BCSD SCALE: 1" = 1'-0"



4 SECTION DETAIL AT STAIR
A1.06 ADE100-06 SCALE: 3" = 1'-0"

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Rev. Date: _____
Rev. Description: _____

SITE DETAILS

Project Name & Address:
PIONEER DRIVE ELEMENTARY SCHOOL
7 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Issue Date: 08/11/10
Date: 06/28/10
Designer: _____
DR: _____
PC: _____
CJM

DSA Identification Stamp:

FILE # 15-6
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-115549
AC: _____
DATE: 9-2-2010
TRACKING #: DSA TRACKING NO

Stamp(s):

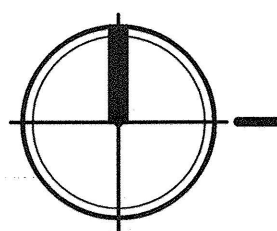
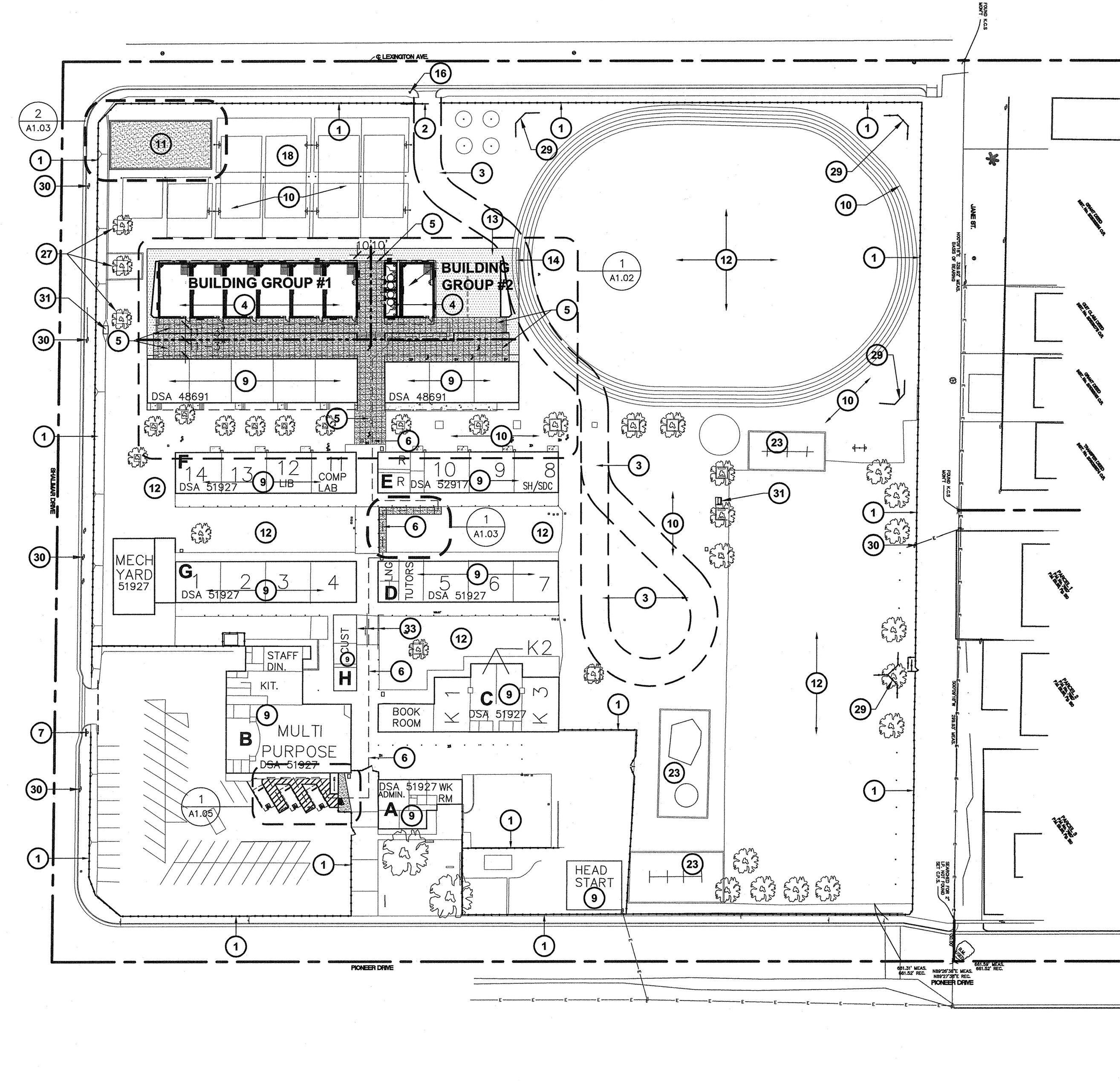
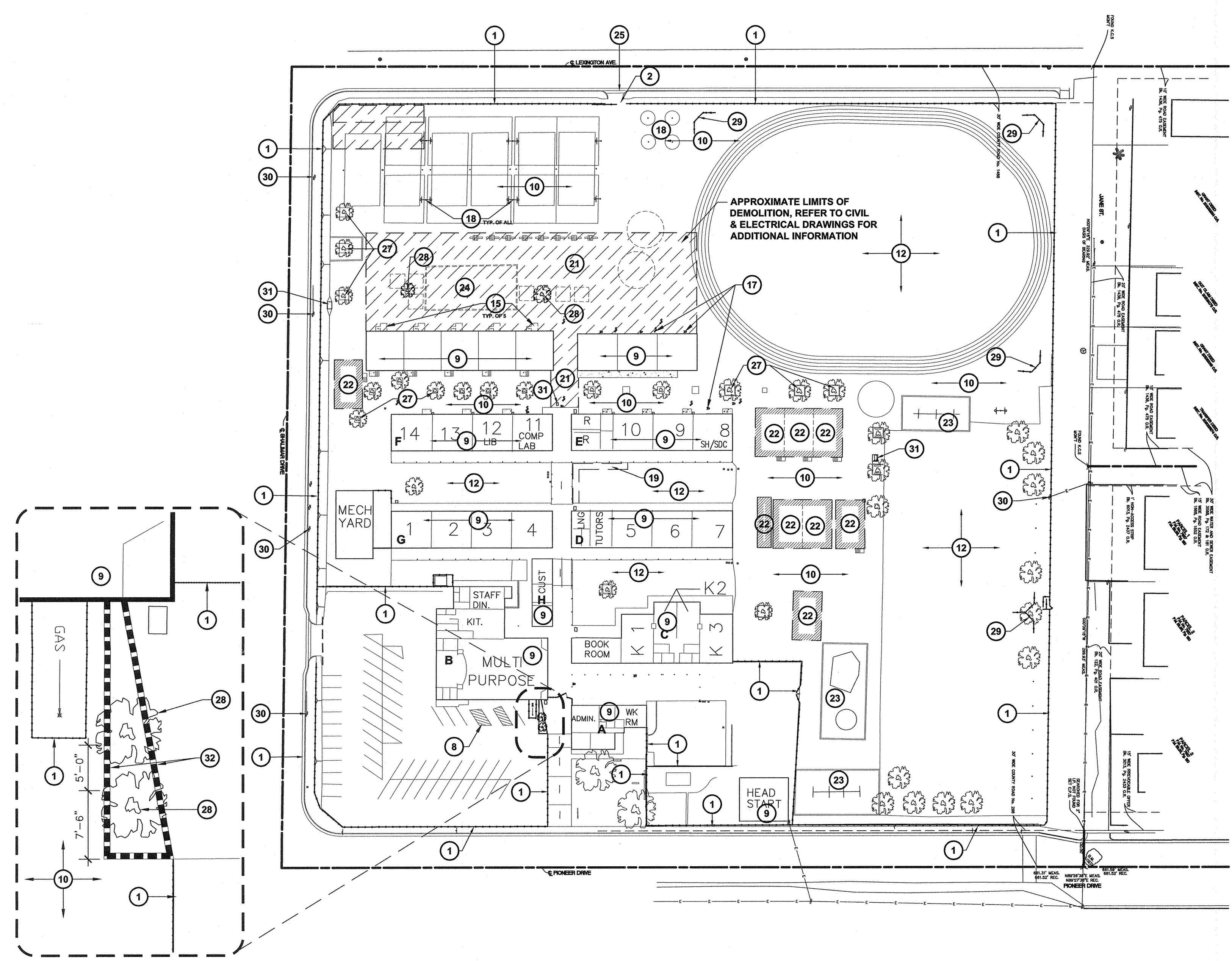
Job No: **3862**

Sheet No: **A1.06**

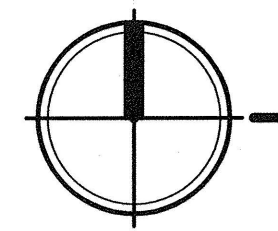
Release: _____

100% CURTIS E. MCNALLY
REGISTERED ARCHITECT
No. C 28566
STATE OF CALIFORNIA

1" = 40'-0"
1" = 30'-0"
1" = 20'-0"
1" = 15'-0"
1" = 10'-0"
1" = 8'-0"
1" = 6'-0"
1" = 4'-0"
1" = 3'-0"
1" = 2'-0"
1" = 1'-0"



DEMOLITION SITE PLAN
7 PERMANENT MODULAR CLASSROOMS
SCALE: 1:60



PROPOSED SITE PLAN
7 PERMANENT MODULAR CLASSROOMS
SCALE: 1:60

GENERAL NOTES	
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ROUTING THE EXISTING IRRIGATION SPRINKLER LINES AND HEADS AS REQUIRED FOR PROPER COVERAGE IN THE AREA OF NEW CONSTRUCTION.	F. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.
B. NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS ("C.J.") AT 4'-0" O.C. MAX. AND EXPANSION JOINTS NOT TO EXCEED 28'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.	G. 5'-0" DEEP x 5'-0" WIDE MINIMUM CONCRETE LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4 IN 12 SLOPE (2%). SLOPES SHALL BE AWAY FROM DOORWAYS.
C. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MANUFACTURER.	H. CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.
D. THE CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING CONCRETE FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURERS DRAWINGS AND SPECIFICATIONS.	I. THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING. THE ARCHITECT SHALL PROVIDE A SOLUTION.
E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW RELOCATABLE BUILDING PERIMETER SILL SHEET METAL FLASHING AFTER THE RELOCATABLE BUILDING IS SET IN PLACE.	J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY FENCING DURING ALL ASPECTS OF CONSTRUCTION.

KEY NOTES	
1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN	13. NEW AC-PAVING, REFER TO CIVIL DRAWINGS FOR PAVING SECTION INFORMATION
2. EXISTING 20' WIDE FIRE TRUCK ACCESS GATE, PROVIDE NEW KNOX BOX LOCK PER KERN COUNTY FIRE DEPARTMENT STANDARDS	14. NEW TRACK STRIPING SHALL MATCH EXISTING IN WIDTH AND COLOR
3. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC-PAVING	15. REMOVE EXISTING CONCRETE LANDING, STAIRS AND HANDRAILS, PATCH AND PAINT EXISTING BUILDING DAMAGE.
4. NEW MANUFACTURED BUILDINGS ON RECESSED CONCRETE FOUNDATIONS. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION	16. NEW FIRE HYDRANT PER KERN COUNTY STANDARDS. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
5. NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 9/A1.05	17. EXISTING UNDERGROUND UTILITIES TO REMAIN. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
6. ACCESSIBLE PATH OF TRAVEL, REFER TO THE ACCESSIBILITY NOTE THIS SHEET	18. EXISTING PLAY COURT STRIPING & BASKETBALL/VOLLEYBALL POLES TO REMAIN
7. NEW SITE ENTRANCE SIGN PER DET. 2/A1.05	19. EXISTING LAWN/PLANTER TO BE REMOVED INCLUDING ALL IRRIGATION PIPES, VALVES AND BOXES
8. EXISTING PARKING STALLS SHALL BE MODIFIED FOR ACCESSIBILITY. REFER TO DETAIL 1/A1.05	20. EXISTING FIRE HYDRANT TO REMAIN
9. EXISTING BUILDING TO REMAIN, NO WORK	21. SAW CUT AND REMOVE ALL EXISTING AC-PAVING AND CONCRETE. REFER TO CIVIL AND ELECTRICAL PLANS FOR RELOCATION OF ALL OTHER EQUIP.
10. EXISTING AC-PAVING TO REMAIN	22. EXISTING CLASSROOM MUST REMAIN FULLY OPERATIONAL AND MUST BE ACCESSIBLE TO DISTRICT STAFF AND STUDENTS DURING CONSTRUCTION. ONCE THE NEW CLASSROOMS ARE OCCUPIED THE EXISTING CLASSROOMS SHALL
11. NEW WOOD CHIP PLAY AREA REFER TO DETAIL 2/A1.03. EXISTING PLAY EQUIPMENT SHALL BE PLACED BY THE DISTRICT.	23. (E) HANDRAIL SHALL BE MODIFIED TO CONFORM TO THE MINIMUM REQUIREMENTS OF DETAIL 13/A1.06
12. EXISTING TURF AND IRRIGATION TO REMAIN	

LEGEND	
	INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
	INDICATES APPROXIMATE LIMITS OF DEMOLITION, REFER TO CIVIL AND ELECTRICAL FOR ADDITIONAL DEMOLITION REQUIREMENTS
	INDICATES EXISTING BUILDINGS TO BE REMOVED FROM THIS SITE
	INDICATES LIMITS NEW AC-PAVING REFER TO CIVIL FOR ADDITIONAL INFO
	INDICATES LIMITS OF NEW CONCRETE WALK
	ACCESSIBLE PATH OF TRAVEL SEE "ACCESSIBILITY NOTES"

ACCESSIBILITY NOTES	
A. "PATH OF TRAVEL (P.O.T.), AS INDICATED, IS A COMMON BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. PASSING SPACES (1133B.7.1) AT LEAST 60"x60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS (1133B.7.5) NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL AND IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (P.O.T.) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (1133B.8.2) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (1133B.8.6).	
B. PATH OF TRAVEL SHALL NOT EXCEED 5% SLOPE MAX	
C. P.O.T. IS A MINIMUM OF 48" WIDE SLIP RESISTANT SURFACE WITH 5% MAX. SLOPE AND 2% MAX. CROSS SLOPE TYP. THERE IS NO DROP, OFF OVER 4" AT THE EDGE OF A WALK OR LANDING. ARCHITECT AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.	

LOCAL FIRE AUTHORITY REVIEW	
Local Fire Authority (LFA) to mark each item (Yes, No or Not Applicable) and sign below. Additional information may be noted in the comment section below.	
Yes No NA	Access Roads, Fire Hydrants and Wildland-Urban Interface
X	Access roads and gate entrances are in accordance with Title 18, California Code of Regulations Div. 1, Chap. 1, Sub Chap. 1, Article 3, 3.04 (Access Roads) and 3.16 & 2007 CFC 503.5.2 (Gate Entrances) to school sites.
X	Fire flow, fire hydrant location and distribution are in accordance with 2007 California Fire Code, 909.3.4 Appendix B5 (Fire Flow) and Appendix C1 (Hydrant Locations).
X	Fire hydrant type meets LFA or local water purveyor's make and model requirements.
X	Project is in a Wildland-Urban Interface (WUI) Area. 2007 CFC Ch. 7A, Automatic Fire Sprinkler Systems
X	The location(s) of the proposed point indicator valve (PIV) and the department connection (DC) meets the requirements of this jurisdiction at this time.
X	The location(s) of the detector check valve assembly (DCVA) backflow preventer meets the requirements of this jurisdiction at this time.
X	The fire pump assembly (and/or water tank) meets the requirements of this jurisdiction at this time.
X	Elevators
X	Elevators that do not have calls sized per 2007 CFC Code requirements have identified and the LFA approves the use of stairways for emergency rescue and patient transport.
Project Name: PIONEER DRIVE ELEMENTARY SCHOOL, DSA App No. 03-113549	
Project Location: 4404 PIONEER DRIVE, BAKERSFIELD, CA 93309	
Local Fire Authority: Bakersfield Fire	
Address: 1501 TRUSTEEN AVE	
City/State/Zip: Bakersfield, CA 93301	
Phone Number: 805-326-3726 Date:	
Approval Signature: David B. Weindorfer Fire Plans & Ins.	
Name and Title: David B. Weindorfer Fire Plans & Ins.	
Comments:	
A signature above signifies that the LFA has reviewed the proposed locations and was consulted regarding the placement/design of the PIV(s), DC(s), DCVA(s), and fire purveyor(s). The current configuration shown, as of this date, meets with their current standards.	

PARKING CALCULATION	
PARKING LOT #1	
TOTAL STALLS PROVIDED	55 STALLS
ACCESSIBLE STALLS REQUIRED	3 (VAN STALL)
ACCESSIBLE STALLS PROVIDED	3 (1 VAN STALL)

BUILDING DATA	
BUILDING GROUP #1	
(6) 24x40 CLASSROOMS AT 960 EA.	5,760
9,500 S.F. ALLOWED > 5,760 S.F. PROPOSED	= OK
BUILDING GROUP #2	
(1) 24x40 CLASSROOMS AT 960 EA.	960
(1) 12x40 RESTROOM AT 480 EA.	480
1,440	
9,500 S.F. ALLOWED > 1,440 S.F. PROPOSED	= OK

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Issue Date: 09/02/10
Date: 09/01/10
Designer:
DR:
PC: CJM

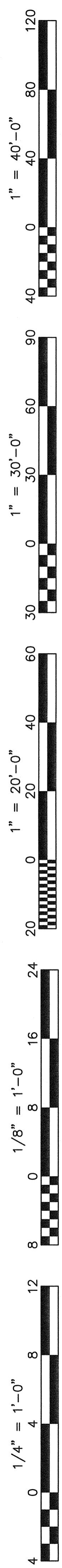
PROJECT NAME & ADDRESS:
PIONEER DRIVE ELEMENTARY SCHOOL
7 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

FILE # 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-113549
AC [Signature] SS [Signature]
DATE: 9-2-2010
TRACKING #: 63321-105

Stamp(s):

Job No.: **3862**
Sheet No.: **FM**
RELEASE: FOR REFERENCE ONLY

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ABBREVIATIONS			
A, AMP	AMPERES	LTG	LIGHTING
A.C.	ABOVE COUNTER	MCC	MOTOR CONTROL CENTER
A.F.F.	ABOVE FINISHED FLOOR	MTD	MOUNTED
AL	ALUMINUM CONDUCTOR OR BUS	MTG	MOUNTING
BD	BOARD	MLO	MAIN LUG ONLY
C	CONDUIT	N	NEUTRAL
CKT	CIRCUIT	[N]	NEW
CAB	CABINET	NL	NIGHT LIGHT
CATV	CABLE TELEVISION	N.I.C.	NOT IN CONTRACT
CB	CIRCUIT BREAKER	N.T.S.	NOT TO SCALE
CC	CENTER TO CENTER	O.C./OC	ON CENTER
CO	CONDUIT ONLY (EMPTY CONDUIT) WITH PULL WIRE	OC/PD	OVER CURRENT PROTECTION DEVICE
CPB	COMMUNICATIONS PULL BOX	OFPI	OWNER FURNISHED OWNER INSTALLED
CU	COPPER CONDUCTOR OR BUS	Ø	PHASE
DB	DISTRIBUTION PANEL	P	POLE
EMT	ELECTRIC METALLIC TUBING	P.A./PA	PUBLIC ADDRESS SYSTEM
EWC	ELECTRIC WATER COOLER	PB	PULL BOX
EM	EMERGENCY	PV	POST INDICATOR VALVE
[E]	EXISTING	PNL	PANEL
E.O.L.	END-OF-LINE	PPB	POWER PULL BOX
EPO	EMERGENCY POWER-OFF	RS	RAPID START
F	FUSE	REC/RECEPT.	RECEPTACLE
FS	FLOW SWITCH	REF	REFRIGERATOR
F.A./FA	FIRE ALARM	RM	ROOM
FACP	FIRE ALARM CONTROL PANEL	SCE	SIGNAL CURRENT EXPANDER PANEL
F.B.O.	FURNISHED BY OTHER/FURNISHED BY OWNER	S.L.	SECURITY LIGHT
FLA	FULL LOAD AMPS	SPB	SIGNAL PULL BOX
G	GREEN GROUND WIRE	STB	SIGNAL TERMINAL BOARD
GFCI	GROUND FAULT CIRCUIT INTERRUPT	STC	SIGNAL TERMINAL CABINET
GND	GROUND	SW	SWITCH
GRS	GALVANIZED RIGID STEEL	TPB	TELEPHONE PULL BOX
HC	HORIZONTAL CROSSCONNECT	TS	TAMPER SWITCH
HID	HIGH INTENSITY DISCHARGE	TEL	TELEPHONE
HP	HORSEPOWER	TERM	TERMINAL
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
I.B.O.	INSTALLED BY OTHER	TTB	TELEPHONE TERMINAL BOARD
I.B.E.	INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR	TTC	TELEPHONE TERMINAL CABINET
IDF	INTERMEDIATE DISTRIBUTION FRAME(DATA)	U.C.	UNDER COUNTER
INT	INTRUSION ALARM	UG	UNDERGROUND
J/JB	JUNCTION BOX	U.O.N.	UNLESS OTHERWISE NOTED
KV	KILOVOLTS	V	VOLTS/VOLTAGE
KVA	KILOVOLTS-AMPERES	V.P.	VANDAL PROOF
KW	KILOWATT	W	WATTS
LV	LOW VOLTAGE	WP	WEATHERPROOF
		WM	WIREMOLD

MOUNTING HEIGHTS	
NOTES:	
1.	ALL MEASUREMENTS ARE A.F.F.
2.	SEE DRAWINGS FOR NON-TYPICAL MOUNTING HEIGHTS
3.	WHERE MOUNTING HEIGHTS ARE NOT SHOWN, REFER TO ARCHITECT
4.	DEVICES LOCATED ABOVE COUNTERTOP SHALL BE 8" ABOVE BACK SPLASH TO CENTER OF DEVICE ABOVE AND LOCATED W/IN ACC. SIDE REACH RANGE.
SWITCHES	: 44" TO CENTER OF DEVICE
DIMMERS	: 44" TO CENTER OF DEVICE
RECEPTACLES	: 18" TO CENTER OF DEVICE
TELEPHONE OUTLETS (OFFICE)	: 18" TO CENTER OF DEVICE
TELEPHONE OUTLETS (CLASSROOM)	: 48" TO CENTER OF DEVICE
DATA OUTLETS	: 18" TO CENTER OF DEVICE
INTERCOM OUTLETS	: 18" TO CENTER OF DEVICE
TELEVISION OUTLETS	: 18" TO CENTER OF DEVICE
MICROPHONE OUTLETS	: 18" TO CENTER OF DEVICE
FIRE ALARM PULL STATIONS	: 48" TO CENTER OF DEVICE, A.F.F.
FIRE ALARM HORNS AND BELLS	: 90" TO TOP OF DEVICE, A.F.F.
STROBES	: 80" A.F.F. OR 6" BELOW THE CEILING TO THE BOTTOM OF DEVICE, WHICHEVER IS LOWER MAX. 96" A.F.F. TO TOP OF LENS.
CLOCKS	: AS SHOWN ON DRAWINGS
SPEAKERS	: AS SHOWN ON DRAWINGS
HAND DRYERS	: 45" TO CENTER OF SWITCH 40" TO CENTER OF SWITCH (ACCESSIBLE)
HAIR DRYERS	: 44" TO CENTER OF SWITCH
WALL SCONCES	: ABOVE 80" FOR PROJECTIONS INTO CORRIDORS OF MORE THAN 4" OR AS SHOWN ON DRAWING
EXIT LIGHTS	: SEE DETAILS
EXIT MARKERS	: SEE DETAILS
WIREMOLD	: 15" TO BOTTOM OF RACEWAY U.O.N.
EMERGENCY LIGHTING WALL PACK	: AS SHOWN ON DRAWINGS

PROJECT NOTES	
1.	DRAWINGS ARE A COMPOSITE OF INFORMATION OBTAINED FROM OLDER DRAWINGS FURNISHED BY THE SCHOOL DISTRICT AND DO NOT NECESSARILY REFLECT AS-BUILT CONDITIONS. THESE DRAWINGS REFLECT APPROXIMATE LOCATIONS OF ELECTRICAL EQUIPMENT AND SHOULD BE USED FOR REFERENCE ONLY. CAUTION SHOULD BE USED WHEN EXCAVATING OR TRENCHING TO LOCATE EXISTING UNDERGROUND CONDUITS. OBTAIN DRAWINGS AND INFORMATION REGARDING THE APPROXIMATE LOCATIONS OF OTHER UNDERGROUND UTILITIES SUCH AS GAS, WATER, SEWER, SPRINKLERS, ETC. FROM THE SCHOOL DISTRICT.
2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING VISITED THE SITE AND SATISFIED HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL CHECK ALL OF THE EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK. THE SITE VISIT SHALL BE DURING THE BID WALK AND/OR PREARRANGED WITH THE ARCHITECT.

ELECTRICAL EQUIPMENT NOTES	
1.	THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT, DEVICES AND WIRING. SEE SECTION 16010 OF THE SPECIFICATIONS.
2.	FOR THE EXACT LOCATION OF ELECTRICAL EQUIPMENT AND DEVICES SEE THE ARCHITECTURAL ELEVATIONS, DETAILS AND DIMENSIONS SHOWN ON THE DRAWINGS.

DEMOLITION AND CLEANUP NOTES	
1.	REMOVE ALL NONFUNCTIONAL SIGNAL SYSTEM EXPOSED WIRES, CABLES AND FASTENERS. KEEP ALL FUNCTIONAL WIRING SUCH AS THE ENERGY MANAGEMENT SYSTEMS (EMS) AND THE SECURITY ALARM SYSTEMS.
2.	REMOVE ALL MATERIAL CAUSED BY THE DEMOLITION WORK FROM THE SITE AND LEAVE THE PREMISES CLEAN AND FREE OF DEBRIS.

STANDARD SYMBOL LEGEND	
	FLUORESCENT FIXTURE- APPROXIMATELY TO SCALE.
	FIXTURE WITH EMERGENCY BATTERY BACK-UP UNIT - SEE TYPICAL WIRING DETAIL.
	EMERGENCY LIGHT WALL PACK.
	FIXTURE OUTLET - WALL OR CEILING MOUNTED. '3' INDICATES CIRCUIT, 'a' INDICATES SWITCH CONTROL.
	EXIT LIGHTS- CEILING OR WALL MOUNTED, ARROW(S) INDICATES DIRECTION.
	LOW LEVEL EXIT MARKER, SELF ILLUMINATING TYPE. ACTIVE SAFETY #14,000, FINISH AS SELECTED BY ARCHITECT.
	LOW LEVEL EXIT MARKER, SELF ILLUMINATING TYPE WITH KICKPLATE. ACTIVE SAFETY #18,000, FINISH AS SELECTED BY ARCHITECT.
	FIXTURE DESIGNATOR- '#' INDICATES FIXTURE TYPE.
	SPST TOGGLE WALL SWITCH - 20A, 120/277V, 'a' INDICATES CONTROL.
	DPST TOGGLE WALL SWITCH - 20A, 120/277V.
	3-WAY TOGGLE WALL SWITCH - 20A, 120/277V.
	4-WAY TOGGLE WALL SWITCH - 20A, 120/277V.
	SPDT MOMENTARY CONTACT TOGGLE SWITCH- 20A, 120/277V.
	SPST KEYSWITCH- 20A, 120/277V.
	THERMAL RATED SNAP SWITCH FOR CONTROLLING FRACTIONAL HORSEPOWER MOTORS.
	PROVIDE WALL OR CEILING MOUNTED LIGHTING MOTION SENSOR. PROVIDE POWER PACK FOR COMPLETE OPERATIONAL SYSTEM. SEE TYPICAL DETAILS.
	PHOTO CELL- CEILING OR WALL MOUNTED.
	LOW VOLTAGE SWITCH - MOMENTARY CONTACT TYPE WITH: CENTER=NULL, UP=ON, DOWN=OFF.
	CEILING OR WALL MOUNTED JUNCTION BOX
	PULLBOX(S)- SIZE AND NUMBER AS INDICATED.
	WALKER DUCT WITH FLOOR J-BOX
	FAN.
	CLOCK AND SPEAKER COMBINATION
	TIME CLOCK - AMERICAN TIME AND SIGNAL 12" #5556BADD304
	SPEAKER
	SINGLE RECEPTACLE - 20A, 120V & GROUND.
	RECEPTACLE, DUPLEX - 20A, 120V & GROUND.
	RECEPTACLE, DUPLEX - WITH ONE-HALF SWITCHED.
	RECEPTACLE, DUPLEX - WITH GFCI PROTECTION IN WEATHERPROOF HOUSING.
	RECEPTACLE, DUPLEX- WITH GFCI PROTECTION.
	RECEPTACLE, 50A, 3-WIRE, 250V.
	RECEPTACLE, DOUBLE DUPLEX - (2)20A, 120V & GROUND.
	RECEPTACLE, DOUBLE DUPLEX WITH GFCI PROTECTION.
	SPECIAL RECEPTACLE, SIZE AS NOTED ON DRAWING.
	SPECIAL RECEPTACLE- SIZE NOTED ON DRAWING.
	RECEPTACLE, 30A, 3-WIRE, 250V.
	RECEPTACLE, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.
	TELEPHONE OUTLET, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.
	DATA OUTLET, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.
	INTERCOM OUTLET, FLUSH FLOOR BOX- CARPET PLATE WHERE REQUIRED.
	CEILING MOUNTED DUPLEX RECEPTACLE, DATA JACK, AND TELEVISION JACK.
	FLUSH, FLOOR MOUNTED DUPLEX RECEPTACLE, DATA JACK, AND TELEPHONE JACK.
	TELEPHONE OUTLET: PROVIDE 2-GANG BOX WITH 1" CONDUIT, STUB-UP INTO T-BAR CEILING. FOR HARD CEILINGS, RUN THE CONDUIT TO LOCATION INDICATED PER THE RISER DIAGRAM.
	DATA OUTLET: PROVIDE 2-GANG BOX WITH 1" CONDUIT, STUB-UP INTO T-BAR CEILING RUN THE CONDUIT TO LOCATION INDICATED PER THE RISER DIAGRAMS.
	NUMBER IN PARENTHESIS INDICATES QUANTITY OF DEVICES. TYPICAL FOR ALL TYPES OF DEVICES.
	MICROPHONE OUTLET FLOOR OR WALL MOUNTED.
	RECEPTACLE, DUPLEX CEILING MOUNTED.
	RECEPTACLE, DOUBLE DUPLEX CEILING MOUNTED.
	CIRCUIT BREAKER IN NEMA ENCLOSURE TO SUIT THE APPLICATION, WALL MOUNTED, U.O.N.
	TELEVISION OUTLET
	TEL/POWER POLE- WIREMOLD #
	WIREMOLD #5400 IVORY RACEWAY. PROVIDE ALL ACCESSORIES, FITTINGS, AND DIVIDERS FOR A COMPLETE, FUNCTIONAL SYSTEM.
	WIREMOLD #5500 SERIES. PROVIDE ALL ACCESSORIES, FITTINGS, AND DIVIDERS FOR A COMPLETE, FUNCTIONAL SYSTEM.
	WIREMOLD RACEWAY VERTICAL RUN. PROVIDE ALL ELBOWS, CONNECTORS, AND FITTINGS AS NECESSARY FOR A COMPLETE RACEWAY SYSTEM.
	FUSED DISCONNECT - MOTOR RATED. FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SWITCHES TO BE FURNISHED WITH DUAL ELEMENT FUSES SIZED ACCORDING TO NAME PLATE DATA ON EQUIPMENT INSTALLED.
	MAGNETIC MOTOR STARTER FURNISHED, INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
	MOTOR - FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR AND CONNECTED BY ELECTRICAL CONTRACTOR.
	GROUND ROD- 3/4" DIAMETER x 10-FEET LONG COPPER CLAD.
	TERMINAL CABINET- SURFACE OR FLUSH MOUNTED WITH FLAME RETARDANT PLYWOOD BACKBOARD.
	PANELBOARD- SURFACE OR FLUSH MOUNTED.
	DISTRIBUTION OR SWITCHBOARD
	NEUTRAL LINK
	TRANSFORMER.
	METER.
	CIRCUIT BREAKER.
	GROUND.
	MASTER/SLAVE 'WHIP' FOR CONNECTING MIDDLE LAMP OF TWO 2-LIGHT FIXTURES.
	FLEXIBLE CONDUIT AND CONNECTION.
	GROUND WIRE WITH GREEN INSULATION SIZE PER N.E.C., U.O.N.
	CONDUIT CONCEALED IN WALL OR CEILINGS. PROVIDE NUMBER OF WIRES NECESSARY FOR BRANCH CIRCUIT, SWITCH LEGS, ETC. PROVIDE SEPARATE NEUTRALS FOR EACH PHASE WIRE. SIZE SHALL BE DETERMINED BY OCPD CONNECTED TO THE PHASE CONDUCTORS AND VOLTAGE DROP CONSIDERATIONS. ALL CONDUITS SHALL HAVE GROUND CONDUCTOR(S). SIZE CONDUIT PER NEC.
	CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR. MINIMUM SIZE IS 3/4". PROVIDE NUMBER OF WIRES NECESSARY FOR BRANCH CIRCUIT, SWITCH LEGS, ETC. PROVIDE SEPARATE NEUTRALS FOR EACH PHASE WIRE. SIZE SHALL BE DETERMINED BY OCPD CONNECTED TO THE PHASE CONDUCTORS AND VOLTAGE DROP CONSIDERATIONS. ALL CONDUITS SHALL HAVE GROUND CONDUCTOR(S). SIZE CONDUIT PER NEC.
	CONDUIT UNDERGROUND OR BELOW FLOOR, MINIMUM SIZE IS 3/4". PROVIDE NUMBER OF WIRES NECESSARY FOR BRANCH CIRCUIT, SWITCH LEGS, ETC. PROVIDE SEPARATE NEUTRALS FOR EACH PHASE WIRE. SIZE SHALL BE DETERMINED BY OCPD CONNECTED TO THE PHASE CONDUCTORS AND VOLTAGE DROP CONSIDERATIONS. ALL CONDUITS SHALL HAVE GROUND CONDUCTOR(S). SIZE CONDUIT PER NEC. HASH MARKS INDICATE THE NUMBER OF CONDUCTORS AND THE ADJACENT NUMBER INDICATES CONDUCTOR SIZE.
	CONDUIT HOME RUN TO PANEL, TERMINAL BOARD, ETC.
	CONDUIT- UP.
	CONDUIT- DOWN.
	EXISTING ABOVE GROUND CONDUIT.
	EXISTING UNDERGROUND CONDUIT.
	MECHANICAL EQUIPMENT DESIGNATOR.
	SHEET NOTE NUMBER-#. SEE NOTE DESCRIPTION ON SAME SHEET.
	GENERAL NOTE NUMBER-#. SEE NOTE DESCRIPTION ON SAME SHEET.
	REFERENCE TO PLAN/DETAIL/DIAGRAM.
	DESIGNATES SIZE AND QUANTITY OF FEEDERS SEE FEEDER SCHEDULE.
	'###' DENOTES ROOM NUMBER.
	ADDENDUM OR REVISION NUMBER-#. SEE DESCRIPTION ON SAME SHEET.
	DEVICES (I.E. DATA JACKS, RECEPTACLES, SWITCHES, TELEPHONE JACKS) SHOWN AS A THIN LINE OR SHADED ARE EXISTING.
	INTRUSION ALARM DOOR CONTACT PROVISION SEE TYPICAL DETAILS.
	INTRUSION ALARM KEYPAD.
	INTRUSION ALARM MOTION DETECTOR.
	INTRUSION ALARM HORN.

GENERAL NOTES	
1.	THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF TERMINAL BOXES AND CONDUIT ENTRANCES OF ALL EQUIPMENT AGAINST SHOP DRAWINGS BEFORE STUBBING UP CONDUITS OR PENETRATING EXTERIOR WALL OF BUILDING.
2.	IN CASE OF INTERFERENCE BETWEEN ELECTRICAL EQUIPMENT SHOWN ON THE DRAWINGS AND OTHER EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING.
3.	ALL OUTDOOR DEVICES SHALL BE WEATHERPROOF.
4.	FOR DEMOLITION, REMOVE POWER TO ROOF MOUNTED EQUIPMENT BACK TO THE PANEL. REMOVE ALL RECEPTACLES, PANELS, SWITCHES, ETC. PROVIDE AND INSTALL NEW AS SHOWN ON DRAWINGS.
5.	ALL WIRES AND CABLES ARE TO BE RUN CONCEALED, IN CONDUIT OR ON J-HOOKS, UNLESS OTHERWISE NOTED. WHERE WIRES AND CABLES CANNOT BE CONCEALED DUE TO STRUCTURAL CONDITIONS SUCH AS SOLID CEMENT WALLS, USE SURFACE MOUNTED 'WIREMOLD' RACEWAYS 400 OR GREATER TO ACCOMMODATE THE CABLE FILL. PAINT RACEWAYS TO MATCH SURFACE COLORS.
6.	ALL OUTLET BOXES IN FIRE-RESISTIVE ASSEMBLIES SHALL BE RATED AND A MAXIMUM SIZE OF 16 SQUARE INCHES (STEEL ONLY FOR ASSEMBLIES AND MORE THAN ONE-HOUR). ALL OUTLET BOXES IN FIRE-RESISTIVE ASSEMBLIES SHALL BE SEPARATED BY A MINIMUM OF 24 INCHES HORIZONTALLY. ELECTRICAL PANELS ARE NOT PERMITTED IN FIRE-RATED ASSEMBLIES. CBC106 ARE NOT PERMITTED IN FIRE-RATED ASSEMBLIES. CBC106
7.	ALL 120V PANELS SHALL HAVE INTEGRAL SURGE TVSS MODULE PROVIDING ALL MODES OF PROTECTION FOR 3Ø, 4W SYSTEMS AND 1Ø, 3W SYSTEMS. THE UNIT SHALL BE BUILT INTO THE PANEL AND INLINE WITH THE ELECTRICAL BUS. THE TVSS SHALL BE ELECTRICALLY EQUIVALENT TO THE LIEBERT #120Y100-01.
8.	ALL PHASE CONDUCTORS SHALL HAVE THEIR OWN NEUTRALS. NO SHARING OF NEUTRALS ALLOWED.
9.	MARK ALL NEW CIRCUITS ADDED AND INSTALLED IN EXISTING PANELBOARDS WITH SELF ADHESIVE PANEL MARKING TAGS NEAREST TO NEW CIRCUITS, AND ON PANELBOARD DIRECTORY. FURNISH NEW NAMEPLATES FOR NEW CIRCUITS INSTALLED IN EXISTING SWITCHBOARD(S) TO MATCH EXISTING CONDITIONS AS REQUIRED. SEE SPECIFICATIONS FOR NAMEPLATE REQUIREMENTS. PROVIDE NAME OF EQUIPMENT OR ROOM SERVED, LOCATION, DATE AND PROJECT NAME. MARK ALL ADDITIONAL SPARE BREAKERS, AND NOTE REMAINING SPACE AVAILABLE IN PANELBOARDS AND SWITCHBOARDS AS REQUIRED.
10.	THE CONTRACTOR SHALL VERIFY THE EXACT BREAKER COMPLEMENT OF ALL EXISTING PANELS TO BE REPLACED. ALL REPLACED PANELS SHALL HAVE THE SAME COMPLEMENT OF CIRCUIT BREAKERS (SIZE, #POLES, QUANTITY, ETC.) AS THE EXISTING PANELS PLUS ANY NEW CIRCUIT BREAKERS AS CALLED FOR ON THE PLANS. THE CONTRACTOR SHALL ALSO PROVIDE (1) 20A/1P CIRCUIT BREAKER UNLESS NOTED OTHERWISE. FOR ALL REMAINING UNDESIGNATED PANEL SPACES.
11.	THE CONTRACTOR SHALL OBTAIN A FULL SET OF PLANS AND SPECIFICATIONS WHEN BIDDING THIS PROJECT.
12.	FIRE ALARM CABLE(S) MAY BE INSTALLED ON J-HOOKS INSTALLED EVERY 4-FEET ABOVE THE ACCESSIBLE ATTIC SPACE. WHERE ATTIC SPACE IS INACCESSIBLE INSTALL CABLING WITHIN CONDUIT OR SURFACE MOUNTED WIREMOLD RACEWAY WIREMOLD #400 SERIES.
13.	PROVIDE A DEDICATED 20A/1P CIRCUIT AND CIRCUIT BREAKERS AT ALL IDF LOCATIONS. RUN CIRCUITS TO THE NEAREST 120V PANEL.
14.	ALL FIRE ALARM PANELS AND SIGNAL EXPANDER PANELS SHALL BE FED WITH CIRCUIT BREAKERS THAT HAVE LOCKOUT DEVICES AND HANDLES PAINTED RED.
15.	PROVIDE (2) TELEPHONE CABLES TO EACH FIRE ALARM PANEL AND CONNECT AT THE PROPERTY TELEPHONE MPOE WITH TWO DEDICATED OUTSIDE PHONE LINES
16.	ALL ELECTRICAL PANEL BUSBARS SHALL BE COPPER. EQUAL PANEL MANUFACTURERS SHALL BE GE. CUTLER-HAMMER, SQUARED, AND WESTINGHOUSE.
17.	ALL SCTB SHALL BE 8"x4"x3/4" DEEP PLYWOOD WITH FIRE RETARDANT PAINT. FIELD CUT TO FIT.
18.	ALL CONDUITS AND BOXES SHALL BE CONCEALED. THE CONTRACTOR SHALL CAREFULLY CUT OUT WALLS AND INSTALL CONDUIT AND BOXES. PATCH AND REPAIR TO MATCH EXISTING.
19.	PRIOR TO SUBMITTING BID, COORDINATE WITH DISTRICT AND OBTAIN A LIST OF ELECTRICAL EQUIPMENT THE DISTRICT WILL PURCHASE. THE CONTRACTOR SHALL INSTALL AND CONNECT THOSE ITEMS PURCHASED BY THE DISTRICT.
20.	ALL EQUIPMENT SHOWN IS NEW UNLESS OTHERWISE SPECIFIED.

INTRUSION ALARM NOTES	
1.	FOR THE CLASSROOMS: FOR EACH CLASSROOM PROVIDE AN 8 CONDUCTOR WIRE FROM THE INTRUSION ALARM PANEL. THEN PROVIDE A 2 CONDUCTOR WIRE USED FOR EACH DOOR AND TIED TO THE 8 CONDUCTOR. PROVIDE AN EIGHT CONDUCTOR FROM THE MIC OR OTHER SENSORS LOCATED IN THE CENTER OF THE ROOM OR AS DIRECTED BY SONITROL AND WIRE TO THE 8 CONDUCTOR. PROVIDE 3 FEET OF SLACK AT EACH END. THE 8 CONDUCTOR IS PART # CL20417, 8 CONDUCTOR, 22 AWG, STRANDED. THE 2 CONDUCTOR IS PART # CL20410, 2 CONDUCTOR, 22 AWG, STRANDED. IF TWO PANELS NEED TO BE TIED TOGETHER (LOCATION OF ROOMS CAN DICTATE A NEW PANEL) AND FOR TYING IN A NEW KEYPAD THEN A 2 PAIR SHIELDED, STRANDED, 22 AWG IS USED. PART # CL20831 PART NUMBER LISTED ABOVE ARE LISTED AT "CONTRACTORS WIRE" WEB SITE HTTP://WWW.CONTRACTORS WIRE.COM.
2.	ELECTRICAL CONTRACTOR SHALL PURCHASE AND INSTALL THE INTRUSION ALARM CABLING FOR FINAL CONNECTIONS BY SONITROL OR THE CURRENT INTRUSION ALARM COMPANY. COORDINATE WITH THE INTRUSION ALARM COMPANY PRIOR TO INSTALLATION.
3.	PRIOR TO SUBMITTING BID CONTRACTOR SHALL INQUIRE WITH SONITROL AS TO THE EXACT CABLE AND DEVICE COUNT FOR THE SYSTEM THEY INTEND TO INSTALL.

ELECTRICAL DRAWING LIST	
E1.1	SYMBOL LEGEND AND NOTES
E1.2	SINGLE LINE DIAGRAM, DUCT BANK, AND PULLBOX SCHEDULES
E2.1	ELECTRICAL AND FIRE ALARM SITE PLAN AND ROUTING PLAN
E3.1	FIRE ALARM SYMBOL LEGEND, RISER DIAGRAM, NOTES, AND CALCULATIONS
E3.2	PORTABLE GROUP FIRE ALARM FLOOR PLANS
E4.1	TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN
E5.1	TYPICAL DETAILS
E5.2	TYPICAL DETAILS

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ELECTRICAL SYMBOL LEGEND, AND NOTES

Project Name & Address:
PIONEER DRIVE ELEMENTARY SCHOOL
5 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE, BAKERSFIELD, CA 93306

Issue Date:	Date:	Designer:	DR:	PC:

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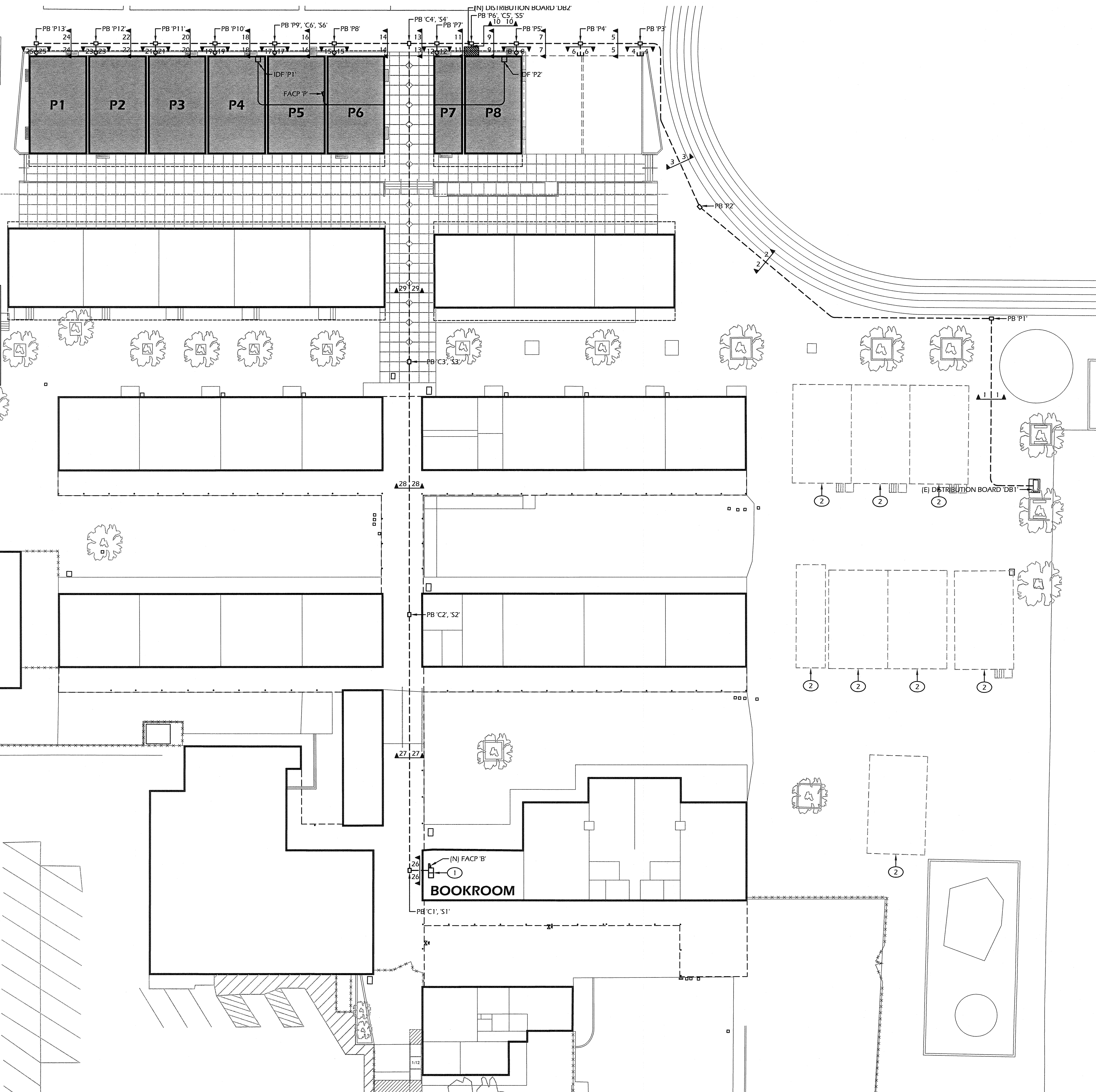
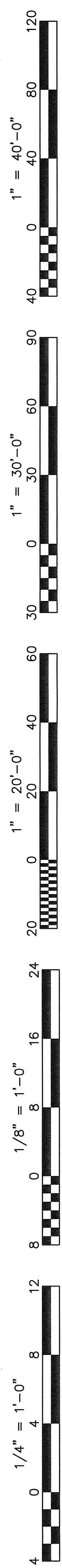
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Job No.: **3862**

Sheet No.: **E1.1**

Release:



- SHEET NOTES**
- EXISTING FACP 'X', SMOKE DETECTOR, TELEPHONE SWITCH, TELECENTER, AND MDF
 - DISCONNECT ELECTRICAL SYSTEMS FROM EXISTING PORTABLE. PULL CONDUCTORS BACK TO SOURCE. INSTALL PULL ROPE AND CAP CONDUITS AT GRADE LEVEL.
- GENERAL NOTES**
- PROVIDE (3) 1-1/2" C FLEXIBLE CONDUIT NIPPLES BETWEEN SUCCESSIVE PORTABLES TO FACILITATE CABLE INSTALLATION.
 - RUN ONE 1/2" COAXIAL CABLE FROM BOOKROOM TO EACH NEW IDF.
 - CONTRACTOR MAY USE EXISTING MECHANICAL CHASE TO ROUTE CONDUITS FROM BOOKROOM TO PORTABLES IF THE CHASE HAS ROOM. REFER TO CIVIL PLANS FOR LOCATION.

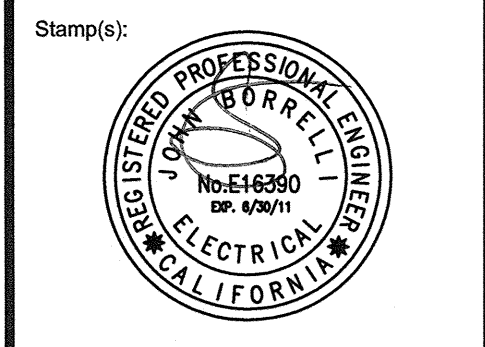
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ELECTRICAL DEMOLITION SITE PLAN
PIONEER DRIVE ELEMENTARY SCHOOL
5 PERMANENT MODULAR CLASSROOMS
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DRIVE, BAKERSFIELD, CA 93306

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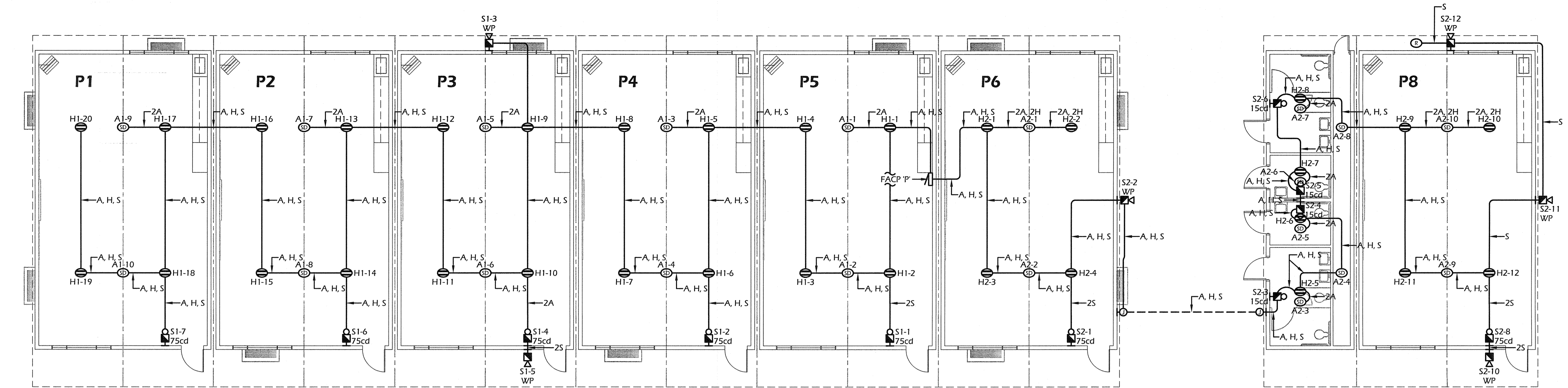
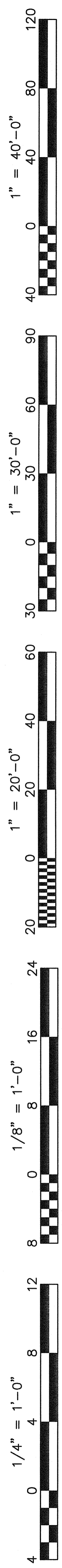
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ELECTRICAL SITE PLAN
 SCALE: 1"=30'-0"

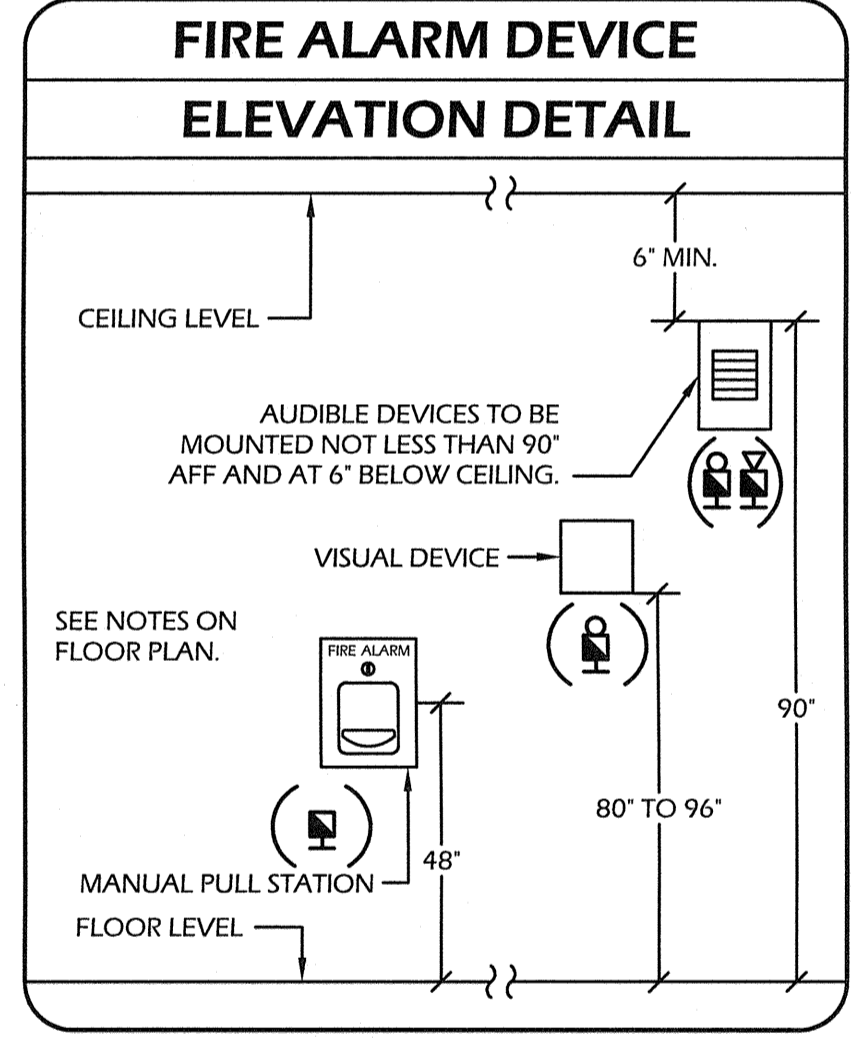


1 NEW PORTABLE GROUP FIRE ALARM FLOOR PLANS
SCALE: 1/8"=1'-0"

INPUT	OUTPUT						
	DISPLAY GENERAL ALARM FACP	INDICATE ZONE AT FACP	DISPLAY SUPERVISION SIGNAL AT FACP	ACTIVATE NOTIFICATION APPLIANCES	NOTIFY UL APPROVED MONITORING STATION	ACTIVATE FACP AUDIBLE ALARM	DISPLAY TROUBLE AT FACP
HEAT DETECTOR	•	•		•	•	•	•
SMOKE DETECTOR	•	•		•	•	•	•

CABLE LEGEND	
A = (2) #12	
H = (2) #12	
S = (2) #12	

ALL UNDERGROUND CABLES SHALL BE LISTED FOR SUCH USE.



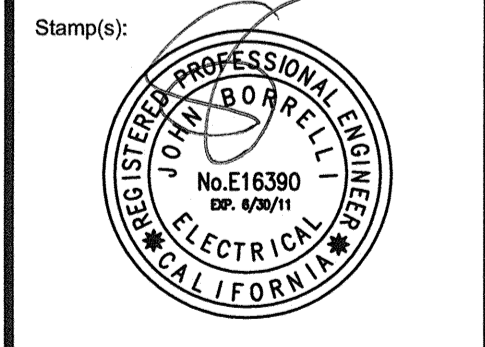
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5 PERMANENT MODULAR CLASSROOMS**
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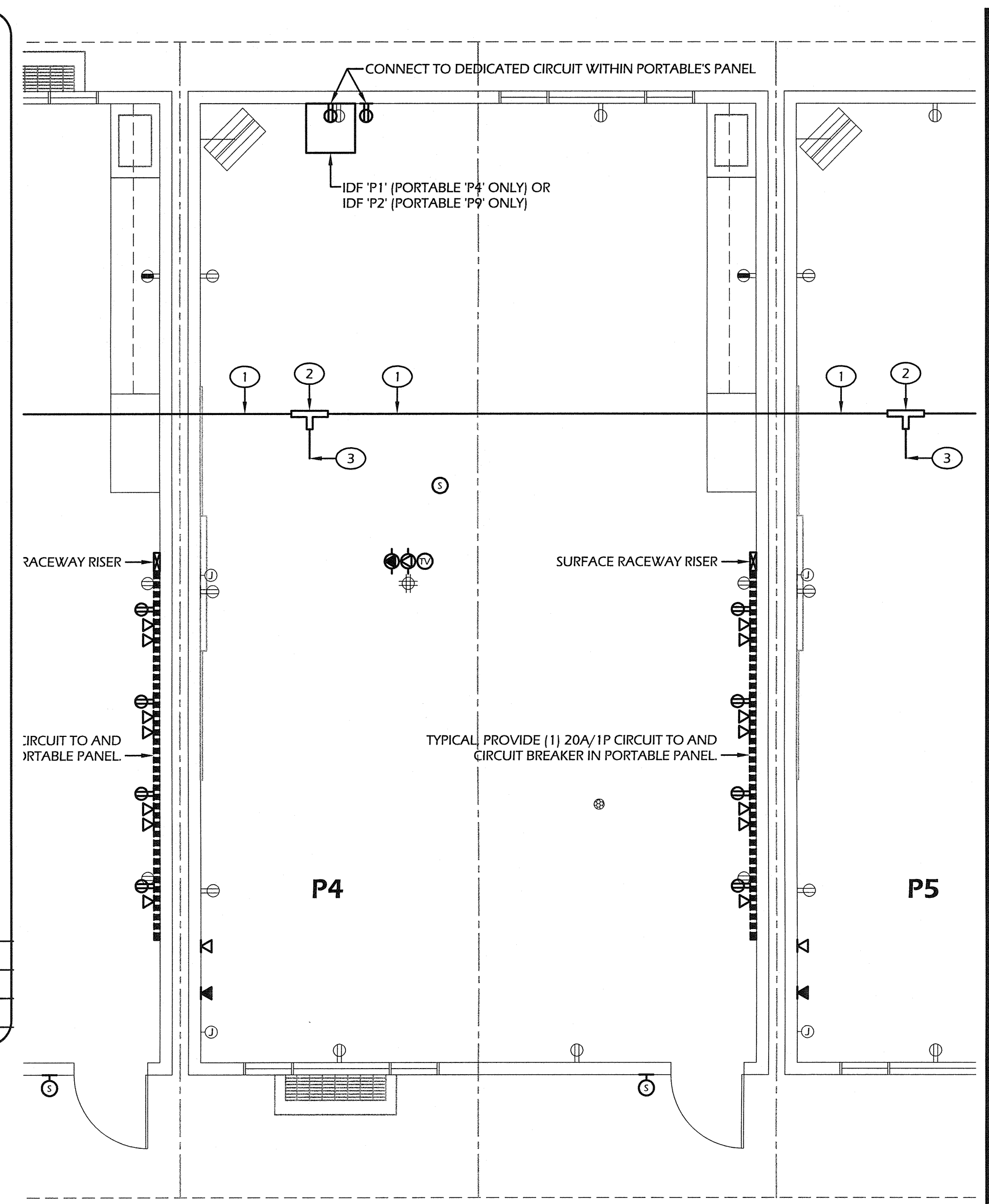
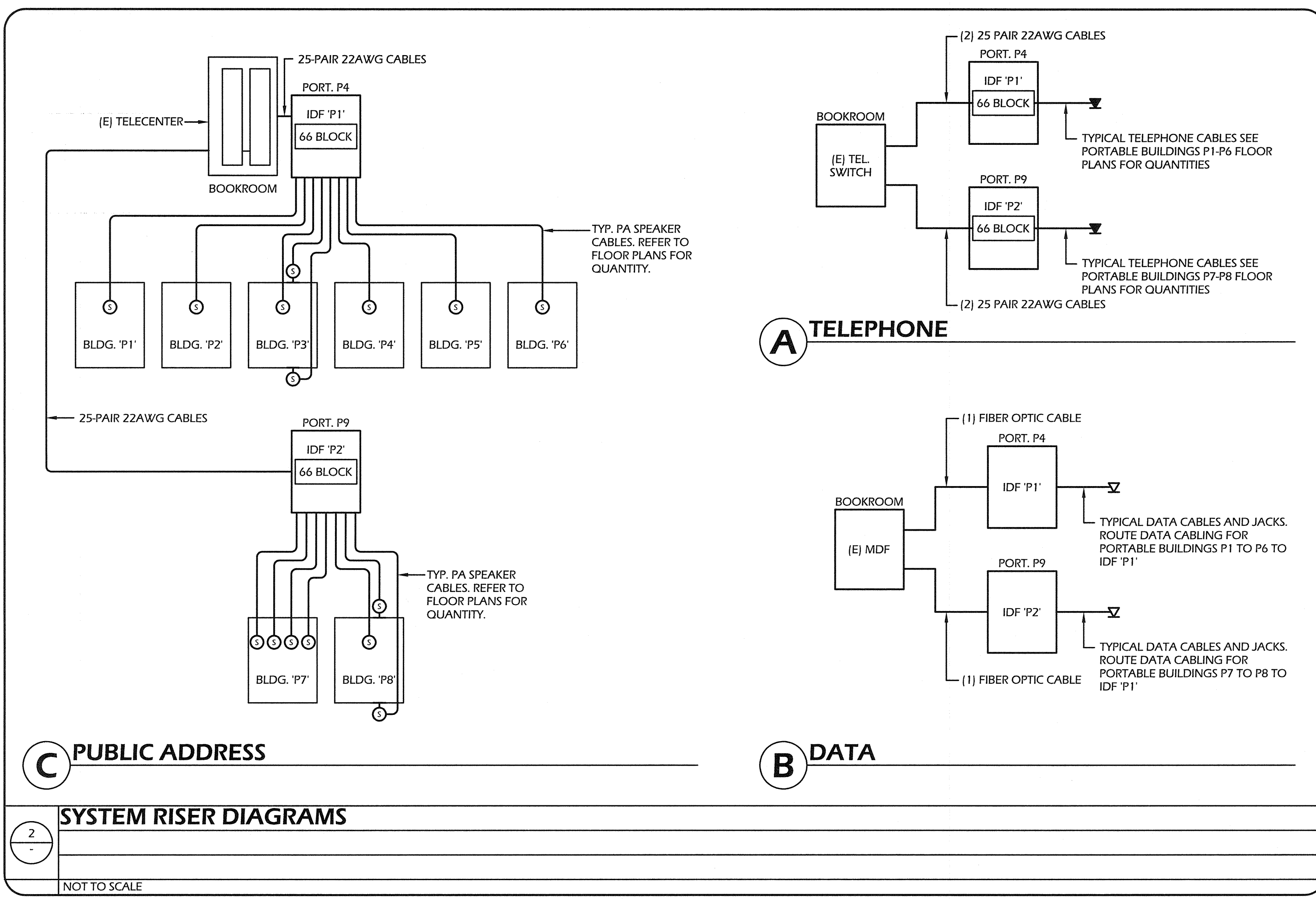
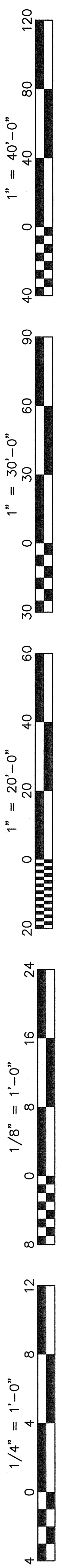
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1 TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN
SCALE: 1/4"=1'-0"

SHEET NOTES

1. RG-6 QUAD SHIELD CABLE TO NEXT PORTABLE
2. BLONDER TONGUE T-TAP WITH COMPRESSION TERMINATIONS
3. 12 FEET OF RG-6 QUAD SHIELD CABLE CURLED IN ATTIC

GENERAL NOTES

1. PROVIDE AND INSTALL 1 CORTELCO EASYTOUCH #240085-VOE-21F TELEPHONE AT EACH TELEPHONE OUTLET LOCATION.

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TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN

PIONEER DRIVE ELEMENTARY SCHOOL
5 PERMANENT MODULAR CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE, BAKERSFIELD, CA 93306

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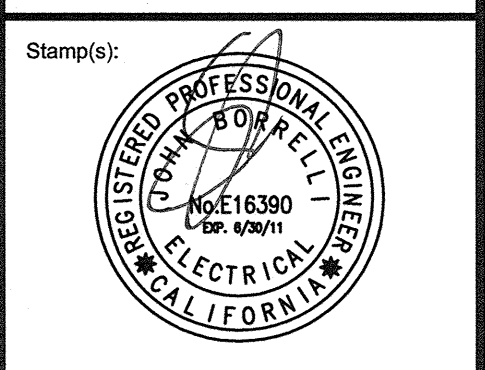
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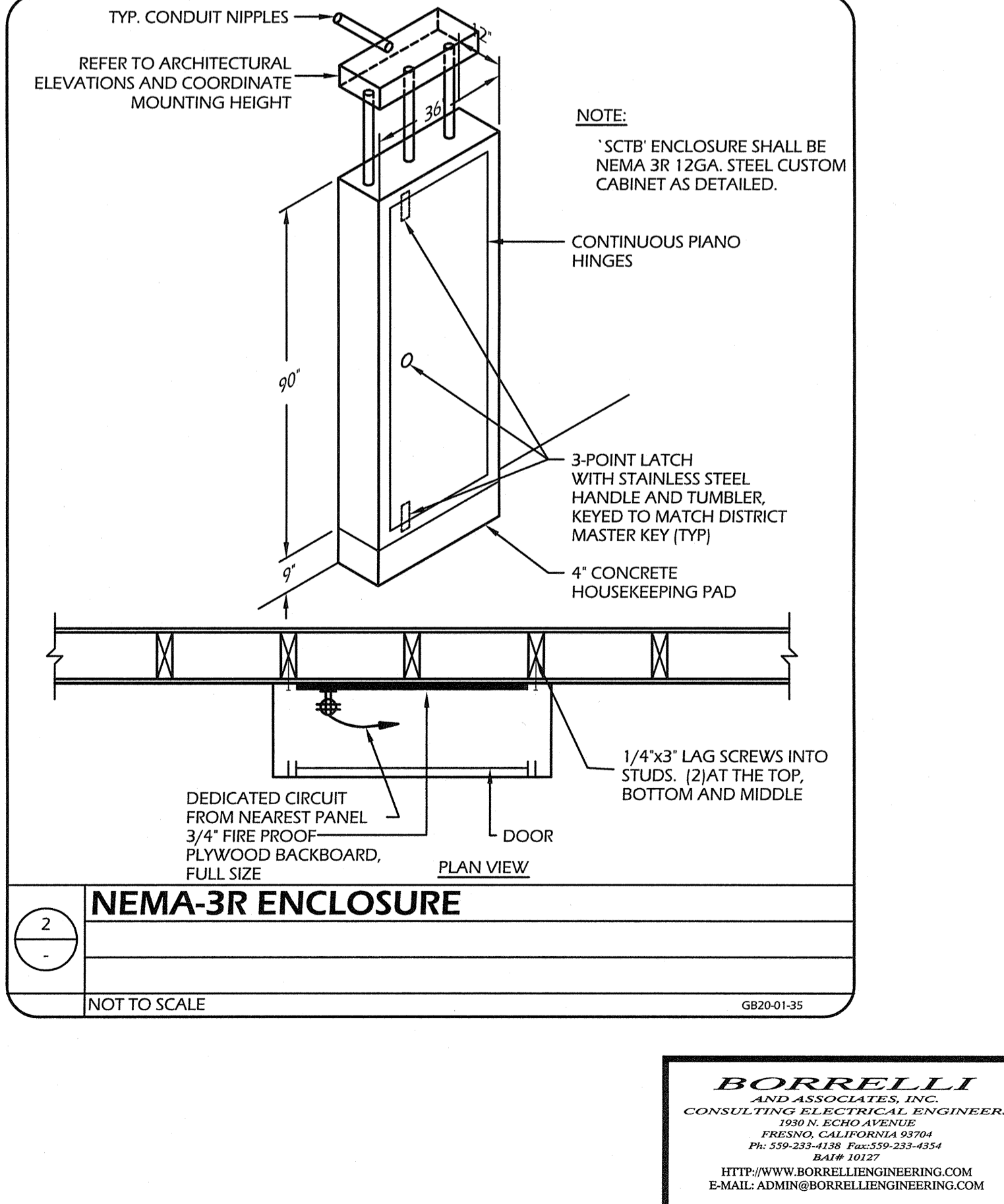
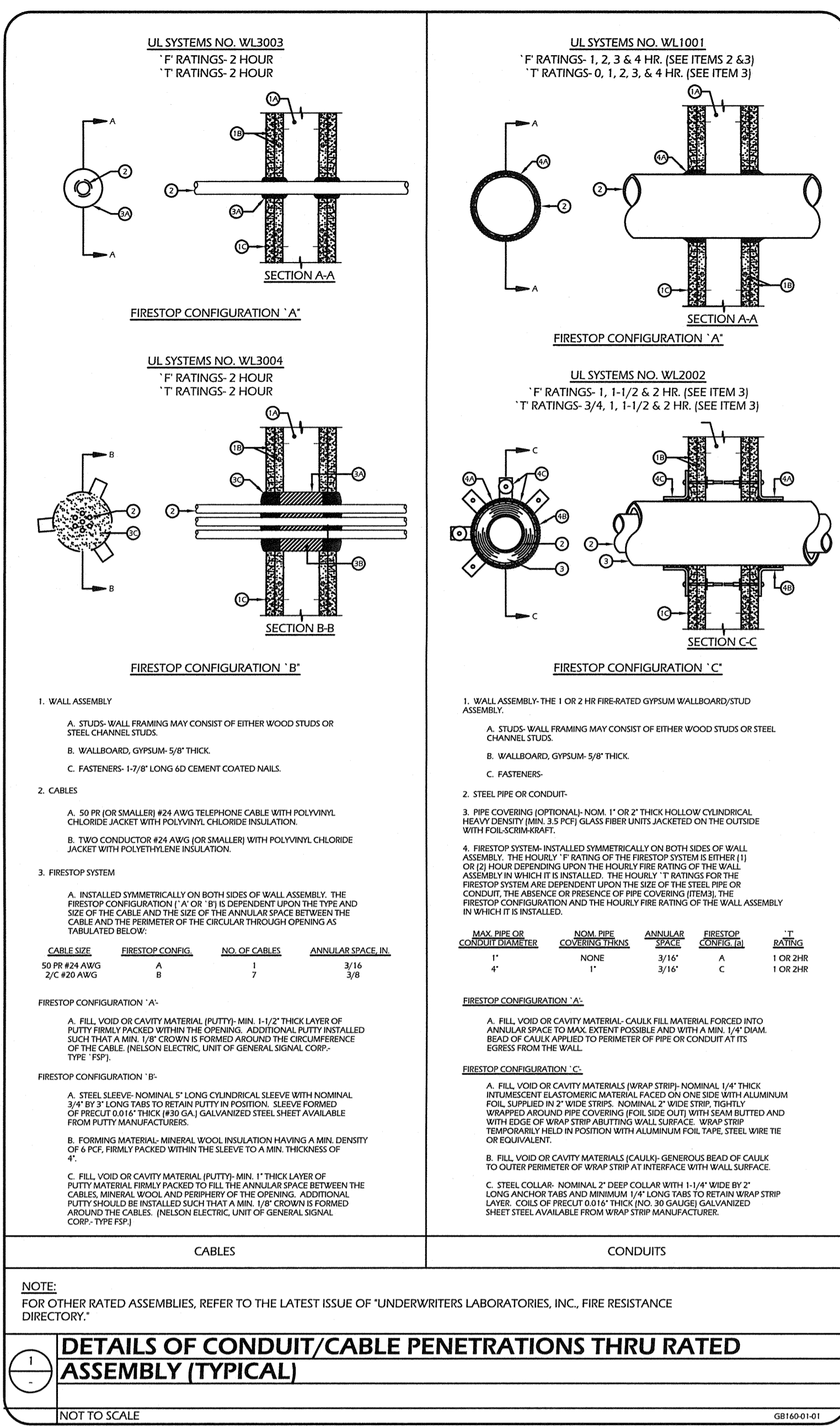
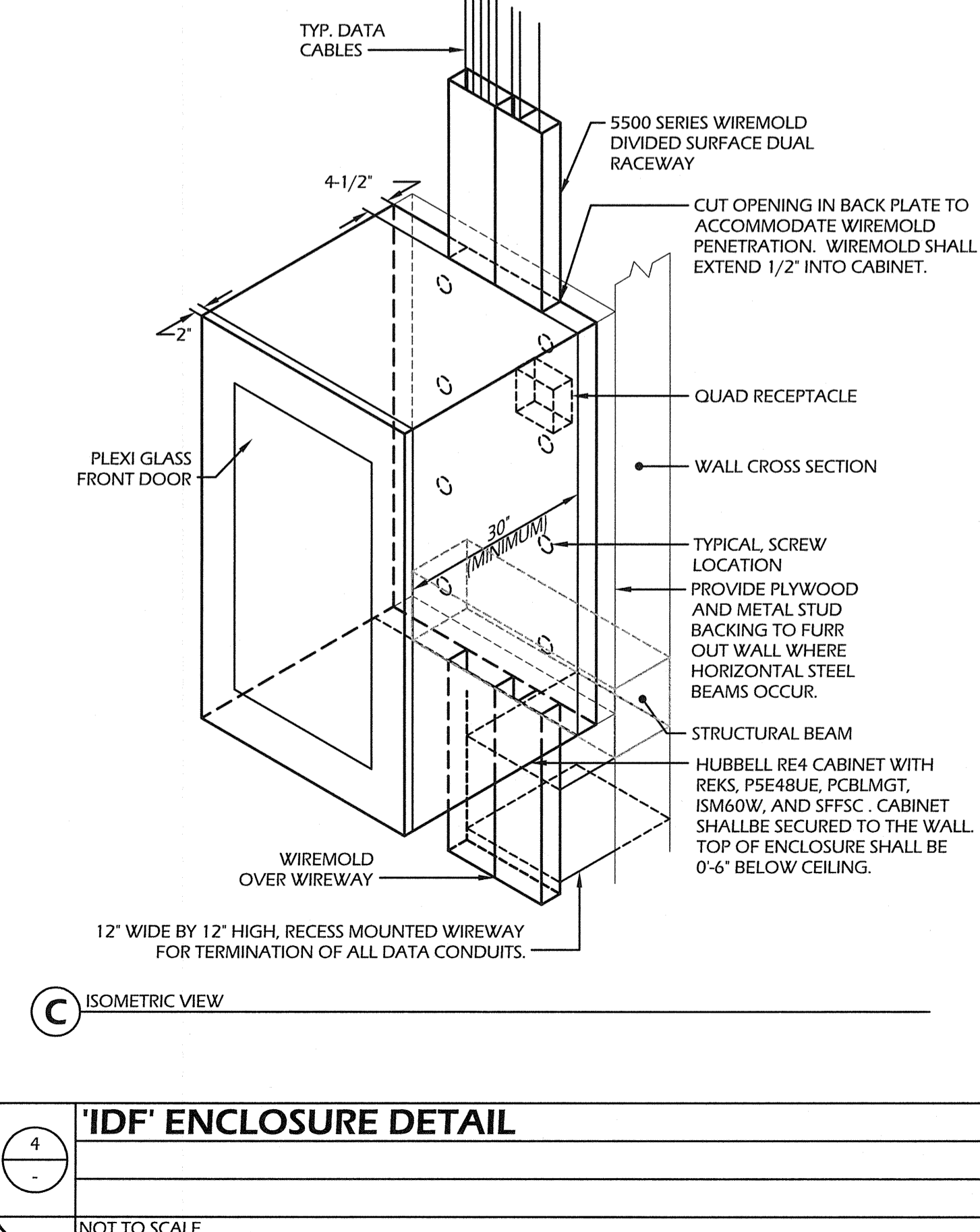
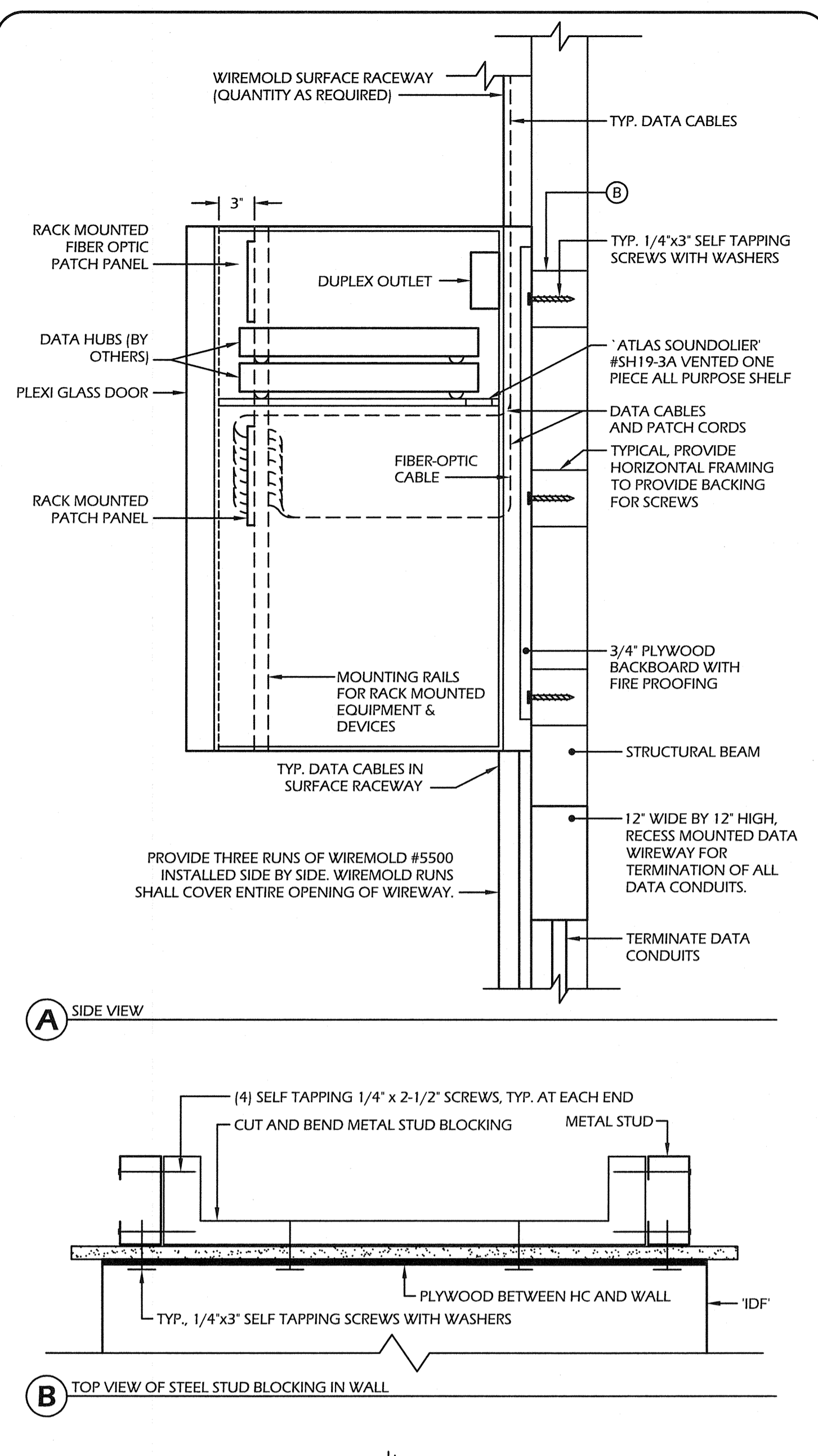
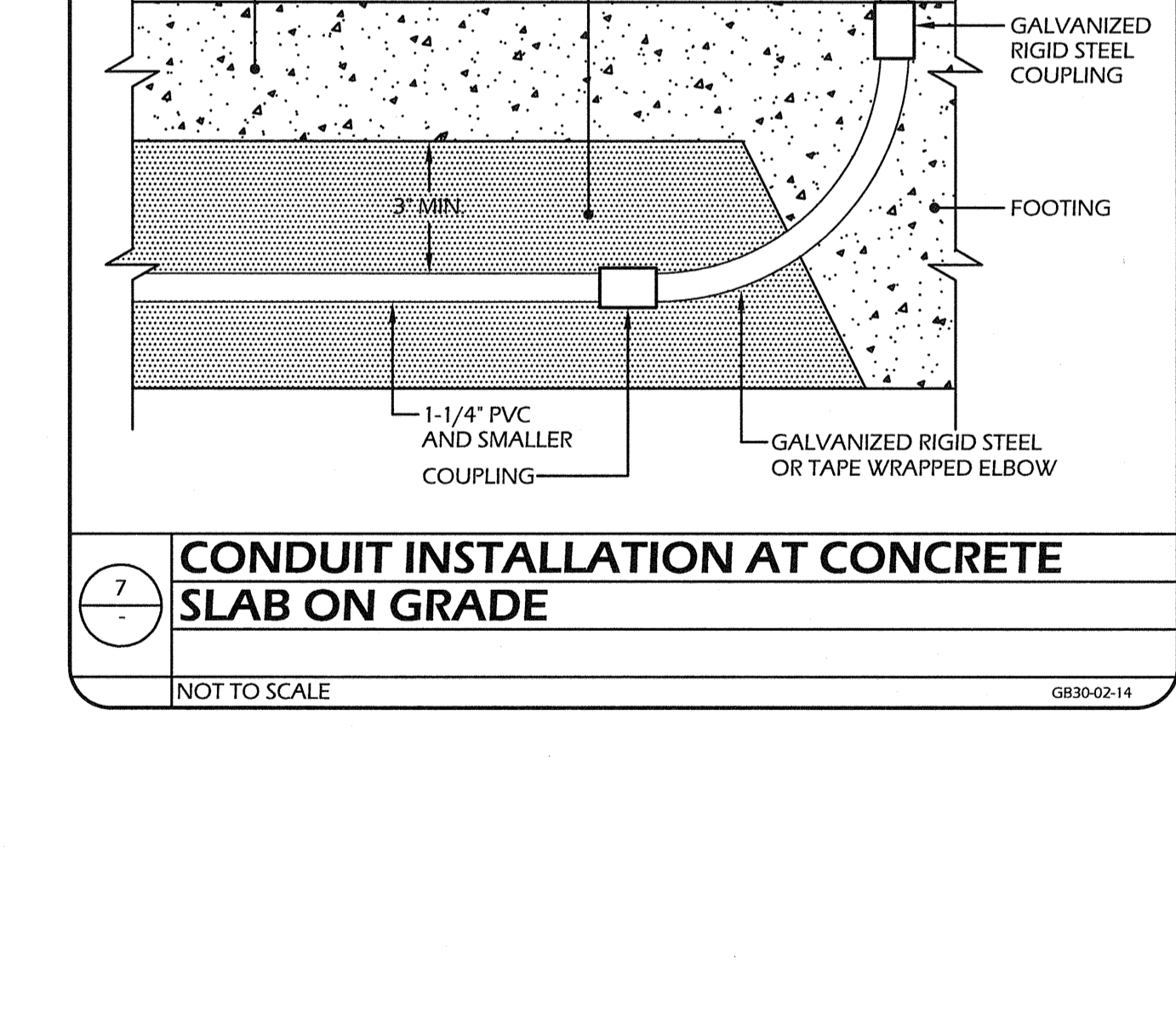
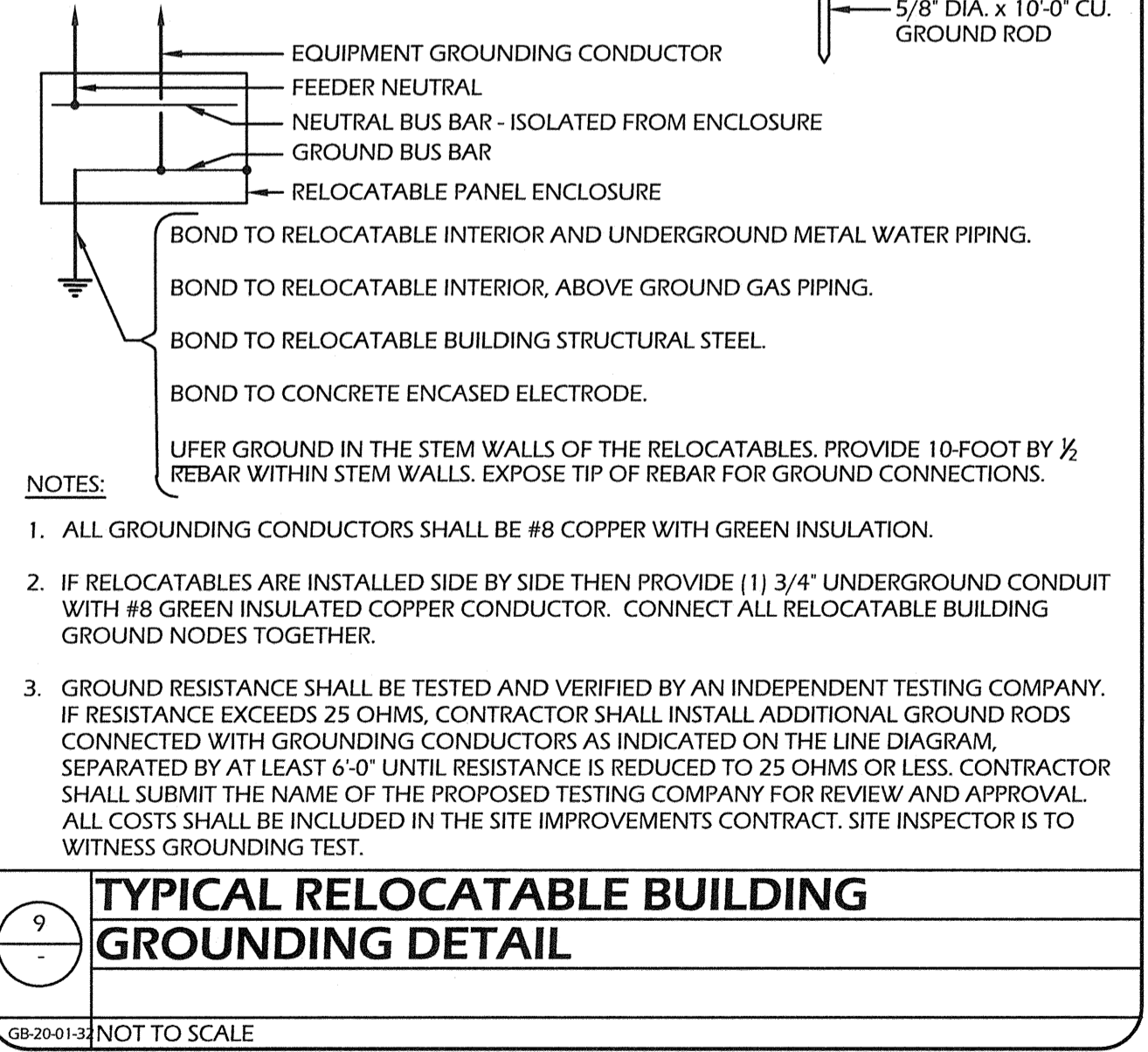
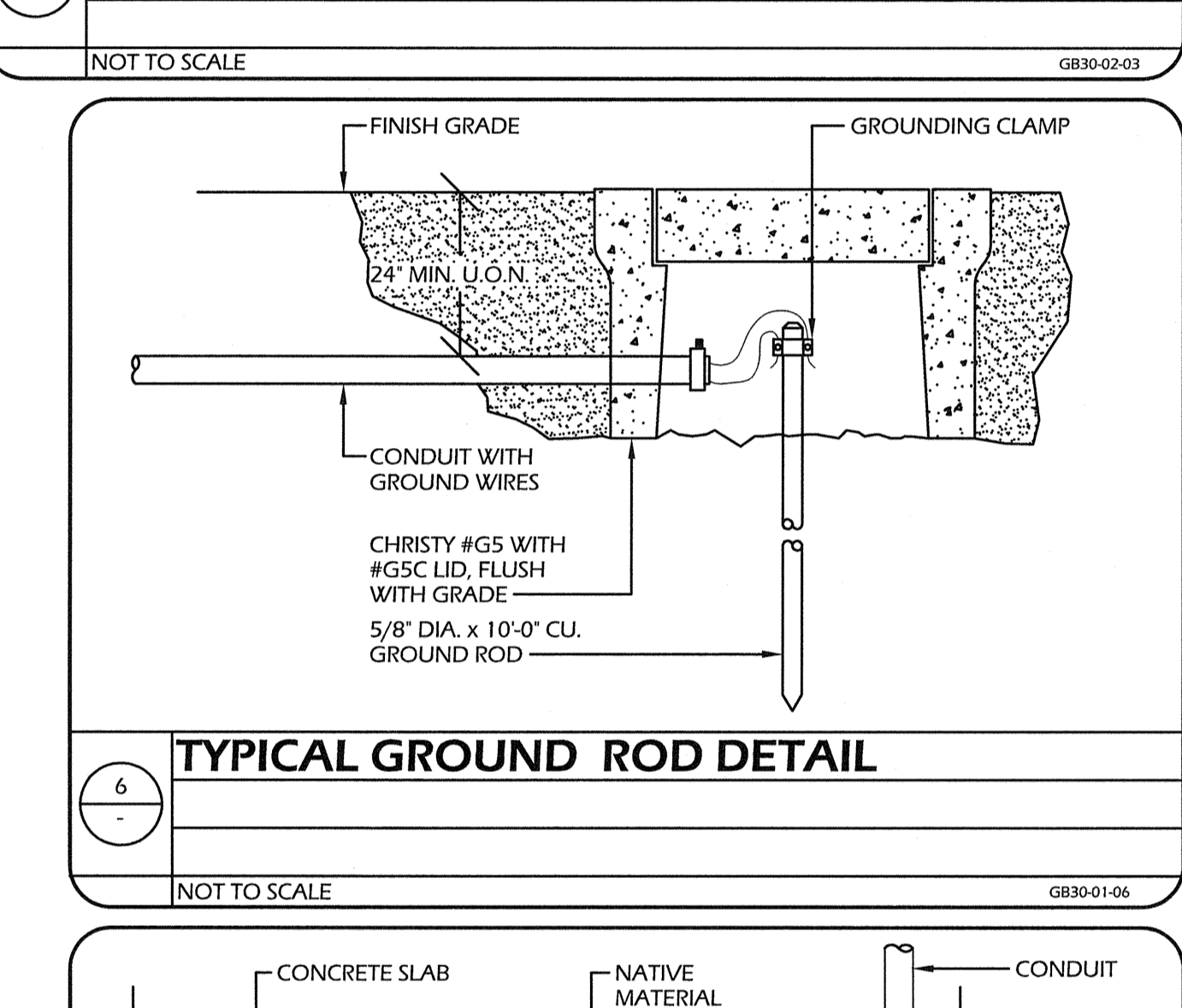
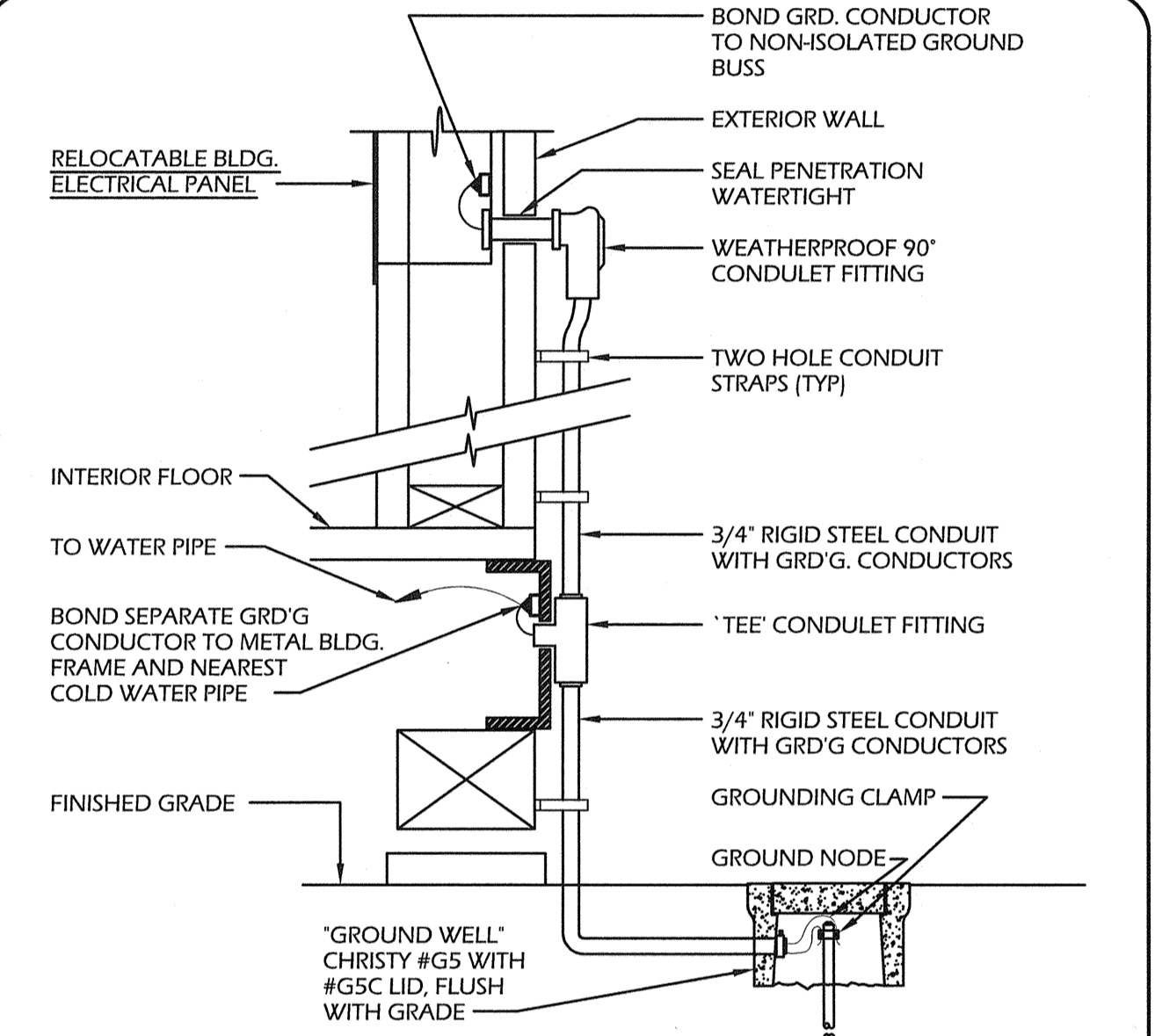
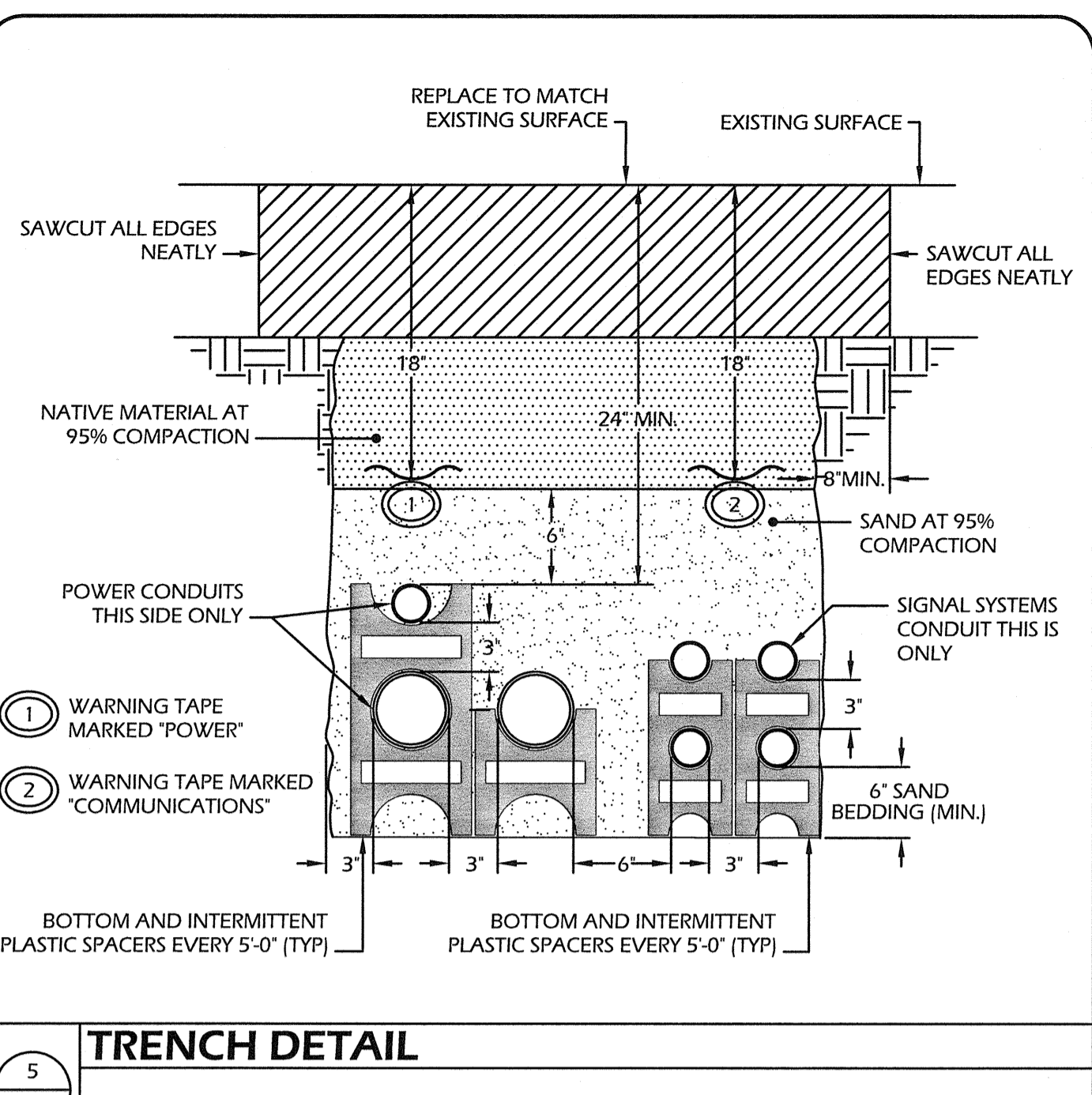
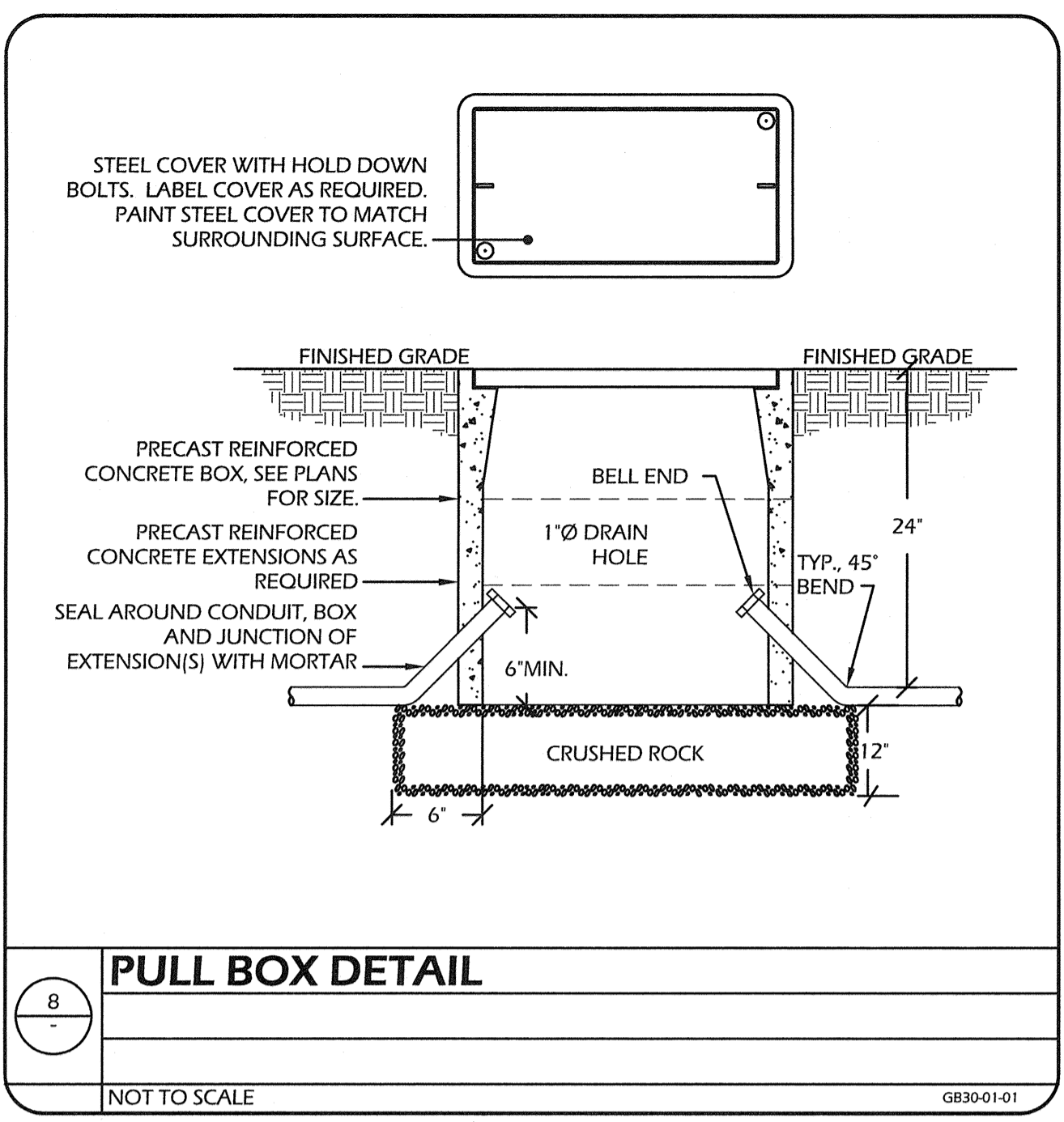
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1" = 40'-0"
 1" = 30'-0"
 1" = 20'-0"
 1" = 1'-0"
 1/8" = 1'-0"
 1/4" = 1'-0"



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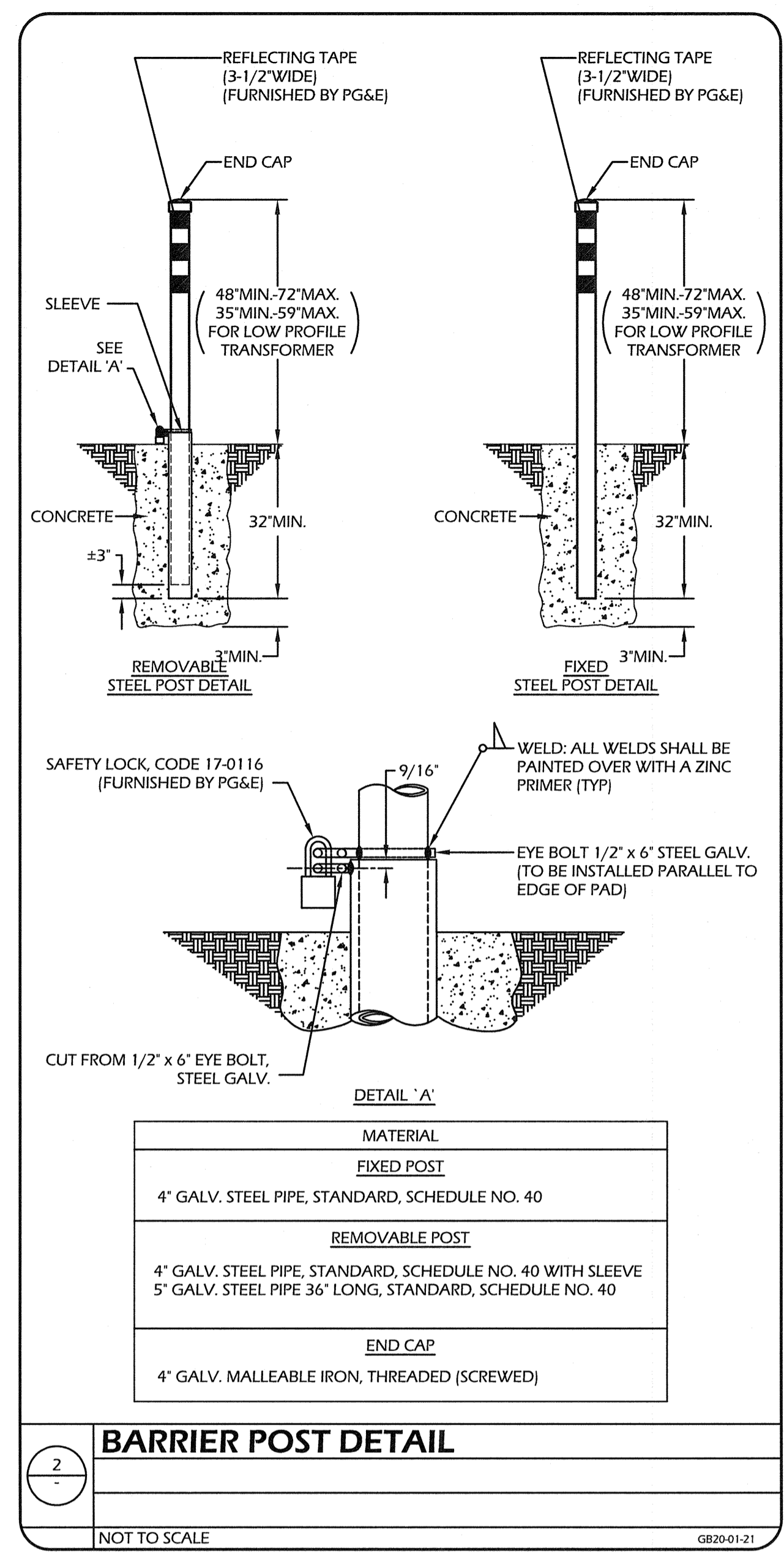
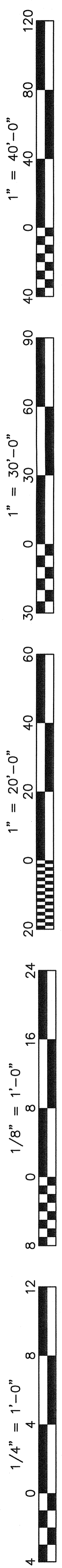
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TESTING AND INSPECTION REQUIREMENTS (FROM DSA IR 19-1):
 Post-installed anchors shall be tested in accordance with the provisions of Section 1923A.3.5, by an LEA accepted testing facility, unless approval of an alternative individual is obtained in advance from the DSA Field Engineer for the project.

If any anchor fails testing, test all anchors of the same type, not previously tested until twenty (20) consecutive anchors pass, then resume the initial test frequency. If the anchors are used for the support and bracing of non-structural components (pipe, duct or conduit), the twenty (20) shall be only those anchors installed by the same trade. Refer to Note 8 on the Test Values Table (attached) for acceptance/failure criteria.

Regardless of which test method is chosen by the consultant, test values and all appropriate criteria shall be shown on the contract documents.

1. Expansion-type Anchors

1.1. Setting verification:

1.1.1. Torque-controlled anchors: Following attainment of 10% of the required torque, torque-controlled anchors shall not require more than six (6) additional complete turns of the nut during installation to achieve the manufacturer's specified installation torque. The extent of bolt projection after installation shall be measured to confirm that this requirement has been met.

1.1.2. Displacement-controlled anchors: The position of the plug in the anchor shell shall be checked with the manufacturer-supplied installation tool or other appropriate device. The position of the plug shall conform to the manufacturer's specifications.

1.2. Testing:

1.2.1. An acceptable testing procedure is attached to this IR. The test load may be applied by any method that will effectively measure the tension in the anchor, such as direct pull with a hydraulic jack, calibrated spring loaded devices, or a calibrated torque wrench. Displacement-controlled anchors such as drop-ins shall not be tested using a torque wrench.

1.2.2. Required test loads may be determined by either of the following methods:

1.2.2.1. Twice the allowable tension load as determined in Section 2, or;

1.2.2.2. Tension or torque test values from the table and procedures attached to this IR.

1.2.3. Anchors tested with a hydraulic jack should exhibit no discernible movement during the tension test, e.g., as evidenced by loosening of the washer under the nut.

1.2.4. Anchors tested with a calibrated torque wrench must attain the specified torque within 1/2 turn of the nut.

1.2.5. **Exceptions:** Undercut anchors that are so designed to allow visual confirmation of full set, need not be tension or torque tested. If the manufacturer's installation torque is less than the specified test torque, use the manufacturer's specified installation torque for testing the anchor.

2. Epoxy-type (adhesive) Anchors

2.1. Epoxy-type (adhesive) anchors shall be tension tested per Section 1923A.3.5. The tension test load shall equal twice the allowable load for the specific location of the anchor to be tested (i.e., accounting for edge distance) or 80% of the yield strength of the bolt (0.8AbFy), whichever is less. The test procedures for expansion-type anchors in the attached table shall also be used for epoxy-type (adhesive) anchors. Torque testing of epoxy-type (adhesive) anchors is not permitted.

2.2. Where epoxy-type (adhesive) anchors are used as shear dowels across cold joints in slabs on grade and the slab is not part of the structural system, testing of those dowels is not required.

2.3. Anchors shall exhibit no discernible movement during the tension test.

3. Screw-type Anchors: Screw-type anchors shall be torque tested in accordance with the following testing procedure.

3.1. Anchor diameter refers to the thread size for the WEDGE & SHELL categories, and to the anchor outside diameter for the SLEEVE category.

3.2. Apply proof test loads to WEDGE & SLEEVE anchors without removing the nut if possible. If not, remove nut and install a threaded coupler to the same tightness as the original nut using a torque wrench to apply the test load.

3.3. For SLEEVE/SHELL internally threaded categories, verify that the anchor is not prevented from withdrawing by a baseplate or other fixtures. If restraint is found, loosen and shim or remove fixture(s) prior to testing.

3.4. Reaction loads from test fixtures may be applied close to the anchor being tested, provided the anchor is not restrained from withdrawing by the fixture(s).

3.5. SHELL type anchors should be tested as follows:

3.5.1. Visually inspect 25% for full expansion as evidenced by the location of the expansion plug in the anchor body. Plug location of a fully expanded anchor should be as recommended by the manufacturer, or, in the absence of such recommendation, as determined on the job site following the manufacturer's installation instructions. At least 5% of the anchors shall be proof loaded as indicated in the table above, but not less than three anchors per day for each different person or crew installing anchors, or;

3.5.2. Test installed anchors per Section 1923A.3.5

3.6. Test equipment (including torque wrenches) is to be calibrated by an approved testing laboratory in accordance with standard recognized procedures.

3.7. Alternate torque test procedures and test values for SHELL type anchors may be submitted to the enforcement agency for review and approval on a case-by-case basis when test procedures are submitted and approved by the enforcement agency.

3.8. The following criteria apply for the acceptance of installed anchors:

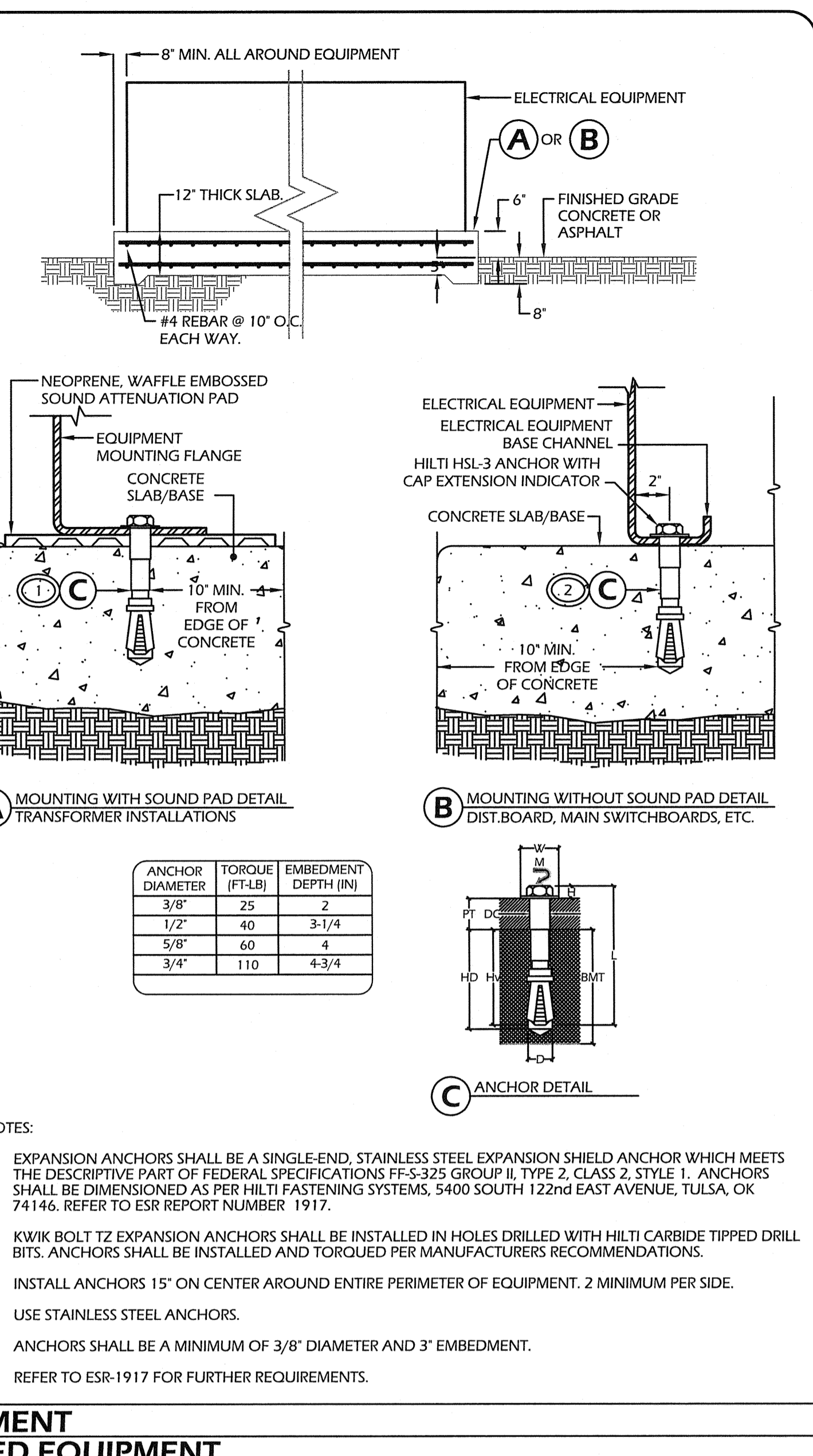
3.8.1. **HYDRAULIC RAM METHOD:** The anchor should have no observable movement at the applicable test load. For wedge and sleeve type anchors, a practical way to determine observable movement is that the washer under the nut becomes loose.

3.8.2. **TORQUE WRENCH METHOD:** The applicable test torque must be reached within the following limits:

3.8.2.1. Wedge or Sleeve type: One-half (1/2) turn of the nut.

3.8.2.2. One-quarter (1/4) turn of the nut for the 3/8 in. sleeve anchor only.

3.9. If the manufacturer's recommended installation torque is less than the test torque noted in the table, the manufacturer's recommended installation torque should be used in lieu of the tabulated values.



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 Rev. Date: _____
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TYPICAL DETAILS

**PIONEER DRIVE ELEMENTARY SCHOOL
 5 PERMANENT MODULAR CLASSROOMS**
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DRIVE, BAKERSFIELD, CA 93306

Issue Date: _____
 Date: _____
 Designer: _____
 DR: _____
 EC: _____

DSA Identification Stamp:
 FILE #: 15-6
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Job No.: **3862**

Sheet No.: **E5.2**

Release: _____

BORRELLI AND ASSOCIATES, INC.
 CONSULTING ELECTRICAL ENGINEERS
 1500 N. BROADWAY
 FRESNO, CALIFORNIA 93710
 Ph. 559-233-4138 Fax: 559-233-4554
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American Modular Systems Inc.

24' x 40' RELOCATABLE BUILDINGS BAKERSFIELD CITY SCHOOL DISTRICT (PIONEER DRIVE ELEMENTARY SCHOOL)

EXPOSED STEEL-2:12 PITCHED ROOF

MODULAR STEEL MOMENT FRAME TEST & INSPECTION GUIDELINE

A SEPARATE TEST AND INSPECTION LIST IS TO BE SUBMITTED AS PART OF THE APPROVAL PROCESS.
THIS GUIDE DOES NOT REPLACE THE TEST AND INSPECTION LIST

TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT (X - INDICATES TEST OR INSPECTION TO BE DONE)

TESTS and INSPECTIONS	MATERIAL TYPE	DESCRIPTION	STOCKPILE		CONSTRUCTION OF (diaphragm material-foundation material)			RELOCATION OF CERTIFIED BUILDING	
			Wood Floor Only	Concrete Floors	Plywood Floor Only - Wood Foundation	Plywood Floor - Concrete Foundation	Concrete Floor - Concrete Foundation	Wood Foundation	Concrete Foundation
COMPACTED FILL (Two Story Relocatable)	By Geotech	Fill Materials			X	X			X
		Proper fill materials, thickness, placement and compaction during placement. Continuous			X	X			X
CONCRETE	LTV FILL OVER DECK (Two-story)	Concreting test only as ordered			X	X			X
		Mix Design		X					
FOUNDATION	LTV FILL OVER DECK (Two-story)	Waiver of Batch Plant Inspection See Note 1 for conditions and requirements		X		X			X
		Inspect Placing over Steel Deck - by RBIP		X		X			X
FOUNDATION	LTV FILL OVER DECK (Two-story)	Slump Test; determine Temperature of Concrete - See Note 2 for additional test		X		X			X
		Compression Tests		X		X			X
FOUNDATION	LTV FILL OVER DECK (Two-story)	Mix Design			X	X			X
		Waiver of Batch Plant Inspection See Note 1 for conditions and requirements			X	X			X
FOUNDATION	LTV FILL OVER DECK (Two-story)	Inspect Placing by Project Inspector			X	X			X
		Slump Test; determine Temperature of Concrete - See Note 2 for additional test			X	X			X
FOUNDATION	LTV FILL OVER DECK (Two-story)	Compression Tests			X	X			X
		Mix Design			X	X			X
REINFORCING STEEL	LTV FILL OVER DECK (Two-story)	Waiver of Batch Plant Inspection See Note 1 for conditions and requirements			X	X			X
		Inspect Placing at Project Site - by Project Inspector			X	X			X
REINFORCING STEEL	LTV FILL OVER DECK (Two-story)	Sample and Test Bar Steel - #5 & Larger			X	X			X
		Inspect Placing at Project Site - by Project Inspector			X	X			X
STRUCTURAL STEEL	LTV FILL OVER DECK (Two-story)	Mix Certified Mill Test Reports	X	X	X	X			X
		Shop Fabrication	X	X	X	X			X
STRUCTURAL STEEL	LTV FILL OVER DECK (Two-story)	Inspection of Welds - Shop	X	X	X	X			X
		Inspection of Welds - Field See Note 3			X	X		X	X
STRUCTURAL STEEL	LTV FILL OVER DECK (Two-story)	Sample and Test at Unidentified Structural Steel and Steel Deck	X	X	X	X			X
		Examine seam welds of structural tubes and pipes	X	X	X	X			X
GROUNDING		Electrical grounding			X	X		X	
SHOT PINS		Ceiling wire hangers	X	X	X	X		X	
EXPANSION ANCHORS		See Note 4			X	X		X	
EPOXY ANCHORS		See Note 4			X	X		X	
INSPECTOR CLASS (minimum requirements)		RBIP or Class 1			In Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story			Class 4 for Single Story Class 2 for Two-Story	
SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY		By the Owner and approved by DSA, A/E of Record and Structural Engineer			By the School District and approved by DSA, A/E of Record and Structural Engineer				
COST OF THE PROJECT INSPECTOR (CA Admin Code 4-339(b)) AND TESTING AGENCY (CA Admin Code 4-338)		By the Owner			By the School District				
COPIES OF THE REPORT TO:		DSA (Original) I.O.R./P.1 Manufacturer Arch/SE noted on DSA-1			Architect School District I.O.R./P.1			Structural Engineer DSA (Original) Manufacturer	

ITEMS IN RED FONT COLOR ARE USER NOTES AND INDICATE ITEMS THAT NEED TO BE VERIFIED FOR EACH SPECIFIC PC.
THE NOTES IN RED ABOVE AND BELOW ARE TO BE REMOVED PRIOR TO PLACING THE GUIDELINE ON THE DRAWINGS

Note 1:

- Verify that Either Condition a or b are met:
- Concrete Plant complies fully with ASTM C94, Section 8 and 9, and has a current certification indicating the plant has automatic batching and recording capabilities from the National Ready Mixed Concrete Association
 - Compressive strength: 3500 psi Specified - 2500 psi Design
- Requirements c thru f are met:
- Inspector to check first batching at start of work and furnish mix proportions to licensed weighmaster
 - Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket
 - Tickets transmitted to Inspector of Record
 - Submit Weighmaster Affidavit

Note 2: Air Content Test as required based on site location (for cold weather conditions)

Note 3: Required where the details of the PC specify a Welding

Note 4: Required where the details of the PC specify the use of this type of anchor

BUILDING DATA

OCCUPANCY	E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300.
TYPE OF CONSTRUCTION	VB
WIND LOAD	V = 85 MPH EXPOSURE = C I = 1.00 K _z = 1.00 λ = 1.21
FLOOR LIVE LOAD	50 LBS/SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
FIRE SPRINKLER SYSTEM WEIGHT (PSF)	1.5
ALLOWABLE SOIL PRESSURE (PSF)	1,500 FOR CONCRETE
FLOOD HAZARD AREA	NO
BUILDING AREA	960 MIN SQ FT
CLIMATE ZONES	1-16
MODULES	MOMENT-RESISTANT
SYSTEM	12' x 40' MODULES
FOUNDATION TYPE	CONCRETE / WOOD
SEISMIC	S _s = 1.5 S ₁ = <.75 F _v = - F _p = - S _{ps} = 1.000 S _{p1} = - I = 1.00 R = 3.50 Ω ₀ = 3.00 C _a = 0.2857 T = 0.190 Site Class = D Seismic design category = D

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008

2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2007 CALIFORNIA AMENDMENTS)

2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)

2007 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)

2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)

2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.

2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2004)

2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)

2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
(2006 INTERNATIONAL EXISTING BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS)

2007 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R. (PENDING ADOPTION)

2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	Automatic Sprinkler Systems	2002 Edition
NFPA 14	Standpipe Systems	2003 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2002 Edition
NFPA 17a	Wet Chemical Systems	2002 Edition
NFPA 20	Stationary Pumps	2003 Edition
NFPA 24	Private Fire Mains	2002 Edition
NFPA 72	National Fire Alarm Code (California Amended)	2002 Edition

(Note See UL Standard 1971 for "Visual Devices")

NFPA 253	Critical Radiant Flux of Floor Covering Systems	2006 Edition
NFPA 2001	Clean Agent Fire Extinguishing Systems	2004 Edition
ASME 17.1	Elevator Standard	2004 Edition

Reference code sections for applicable Standards - 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

GENERAL NOTES

- PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CAN NOT BE REVIEWED OVER THE COUNTER (OTC).
- PC BUILDING APPROVED ONLY FOR OCCUPANCY E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300.
- PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
- PC BUILDING LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.

DRAWING INDEX

- TS COVER SHEET
- A1 TYPICAL FLOOR PLAN
- A3 TYPICAL INTERIOR ELEVATIONS
- A3A TYPICAL INTERIOR ELEVATIONS
- A5 TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO)
- A5A ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)
- AD ACCESSIBLE DETAILS
- N1 GENERAL NOTES
- N2 GENERAL NOTES
- P1 ISOMETRIC PLANS & DETAILS
- M1 TYPICAL REFLECTED CEILING PLAN
- M2 MECHANICAL BUILDING SECTION & CEILING DETAILS
- M3 CEILING & MECHANICAL NOTES
- E1 TYPICAL ELECTRICAL PLAN
- E2 ELECTRICAL NOTES & DETAILS
- S1 CONCRETE FOUNDATION PLAN 50 P.S.F. & 50 P.S.F LIVE LOAD+15 P.S.F PART. LOAD FLOOR (PLYWOOD OR VIROC FLOOR SYSTEM)
- S1C CONCRETE FOOTING DETAILS
- S1D CONCRETE FOOTING DETAILS
- S2 FLOOR FRAMING PLAN & DETAILS (PLYWOOD)
- S3 ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT)
- S3.1 ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT)
- S3A ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT)
- S4 TYPICAL FRAME ELEVATIONS
- S5 WALL FRAMING
- S5A WALL FRAMING DETAILS
- S7 TYPICAL LONGITUDINAL & TRANSVERSE FRAME ELEVATION

BASED ON PC 02-109695

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT
PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
COVER SHEET



APPROVALS:

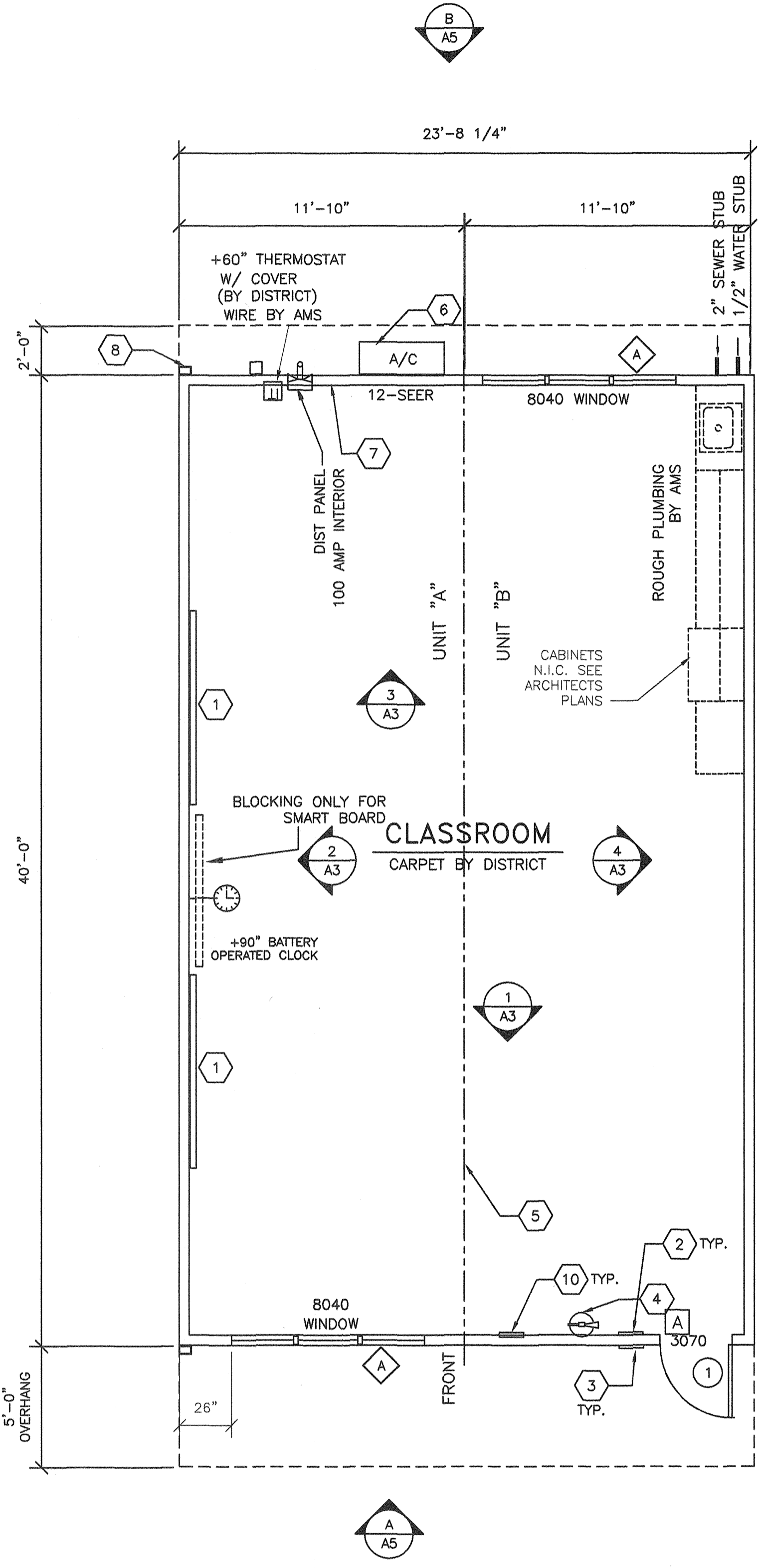


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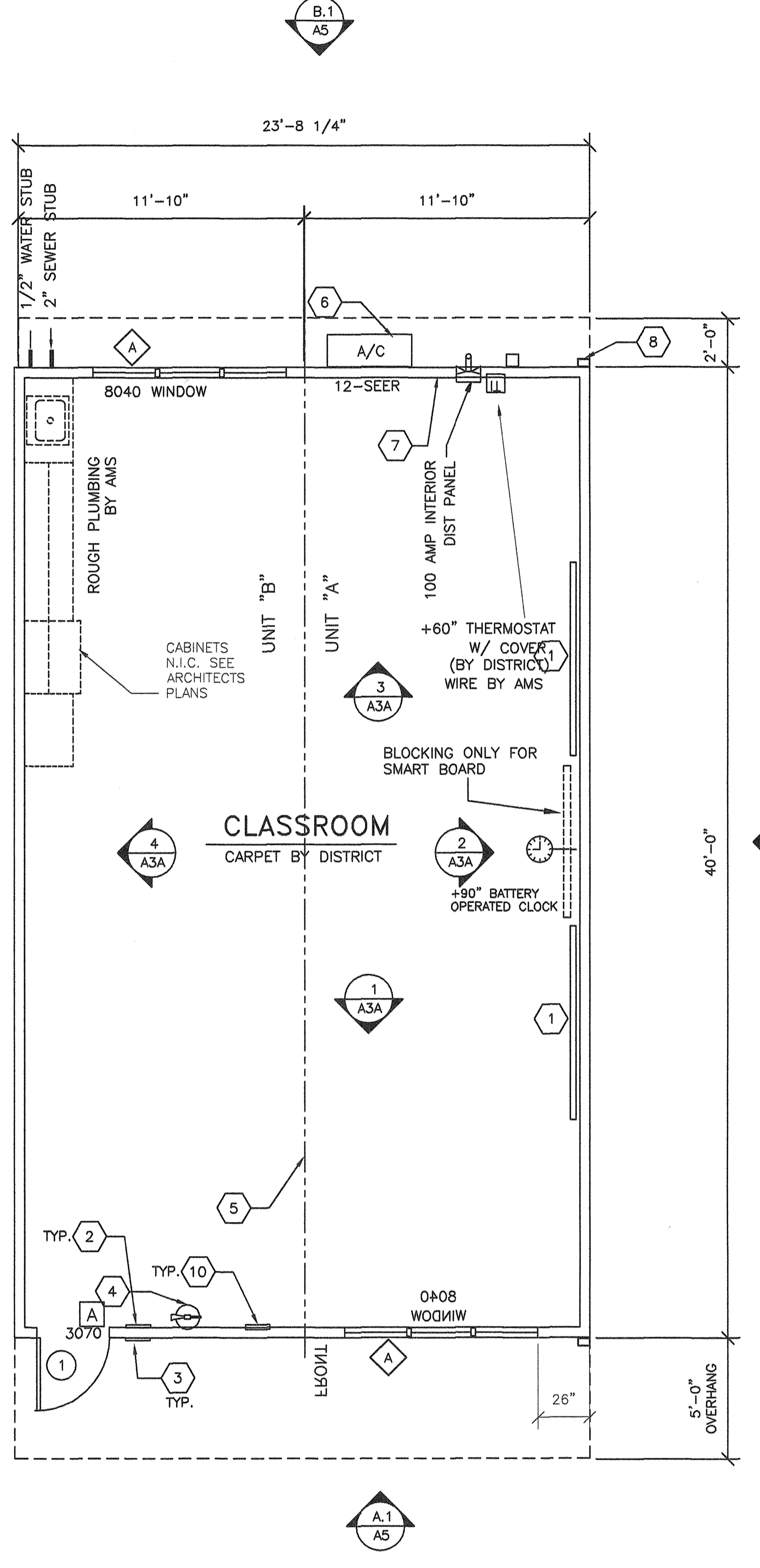
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1 TYPICAL FLOOR PLAN
A1 1/4"=1'-0"

INSTALL CAST IRON DRAIN ASSEMBLY @ SINK LEVEL AND BELOW AND P.V.C. VENT PIPE WITHIN WALL. DAYLIGHT VENT THRU WALL JUST ABOVE BOTTOM PLATE.

INSTALL CAST IRON DRAIN ASSEMBLY @ SINK LEVEL AND BELOW AND P.V.C. VENT PIPE WITHIN WALL. DAYLIGHT VENT THRU WALL JUST ABOVE BOTTOM PLATE.



2 TYPICAL FLOOR PLAN
A1 1/4"=1'-0"

- SHEET NOTES -**
- 1 (2) 8'x4' MARKER BOARDS
 - 2 EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
 - 3 CLASSROOM ID & ISA PER DETAIL PER DETAIL 5 & 9/AD
 - 4 FIRE EXTINGUISHER TOP OF BRACKET @ +48" A.F.F.
 - 5 TYP MOD LINE
 - 6 HVAC UNIT (LOCATION MAY VARY)
 - 7 ELECTRICAL PANEL (LOCATION MAY VARY)
 - 8 DOWNSPOUT (QUANTITY & LOCATION MAY VARY)
 - 9 CARPET
 - 10 FLOOR LIVE LOAD SIGN PER 1603A.3 2007 CBC
 - 11 OPTIONAL TYPICAL RAMP REFER TO SHEET S6R FOR DETAILS

- GENERAL NOTES -**
1. REFER TO SHEETS A2 & A2.1 FOR ADDITIONAL FLOOR PLAN CONFIGURATIONS
 2. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET SSA FOR ATTACHMENTS.
 3. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER CBC 1008.1.9
 4. IF OCCUPANCY LOAD EXCEEDS 50 PROVIDE A SECOND EXIT DOOR PER CBC TABLE 1015.1
 5. PROVIDE OCCUPANT LOAD SIGN (BY OWNER) CAPACITY POSTING PER 2007 CBC SECTION 1603A3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POST WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

- BUILDING SIZE SCHEDULE -

BUILDING	40'-0" MODULES	OVERALL SIZE
24' x 40'	2	23'-8 1/4"
36' x 40'	3	35'-6 1/2"
48' x 40'	4	47'-4 3/4"
60' x 40'	5	59'-3"
72' x 40'	6	71'-1 1/4"
84' x 40'	7	82'-11 1/2"
96' x 40'	8	94'-9 3/4"
108' x 40'	9	106'-8"
120' x 40'	10	118'-6 1/4"

SYMBOL SCHEDULE

#	DOOR (REFER TO SHEET A3 FOR TYPES)
X	DOOR HARDWARE TYPE REFER TO DOOR HARDWARE SCHEDULE
A	WINDOW (REFER TO SHEET A3 FOR TYPES)

DOOR HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET W/ LEVER RHODES SCHLAGE D70PD (LOCKSET BY DISTRICT)
B	EXTERIOR DOOR PANIC BAR W/ PULL ON EXTERIOR VON DUPRIN 22Lx230NL (WHEN REQUIRED)

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
 C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal, (5 lbs. max. pressure) (15 lbs. max at fire doors.)
 D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jams and head or equal.
 E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

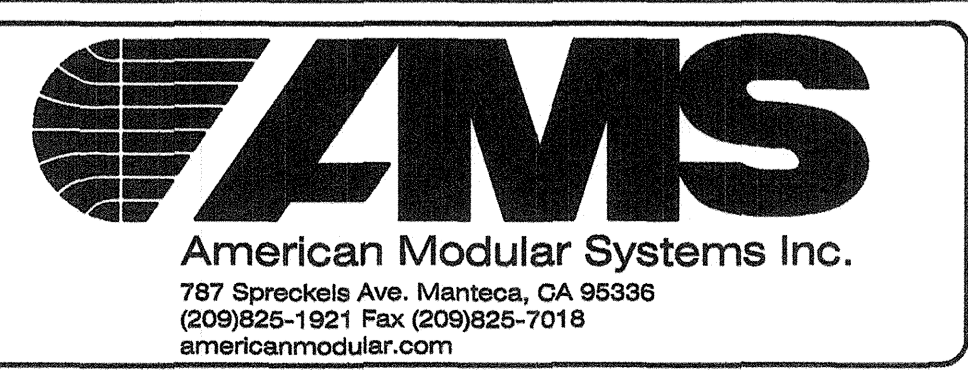
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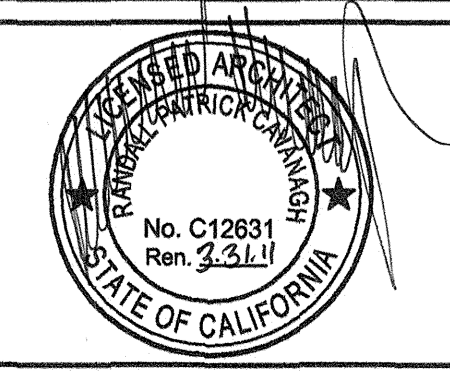
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 SCALE: NOTED
 DRAWN BY: RS
 SERIAL NO.:

CUSTOMER:
BAKERSFIELD UNIFIED SCHOOL DISTRICT
 PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
TYPICAL FLOOR PLAN



APPROVALS:



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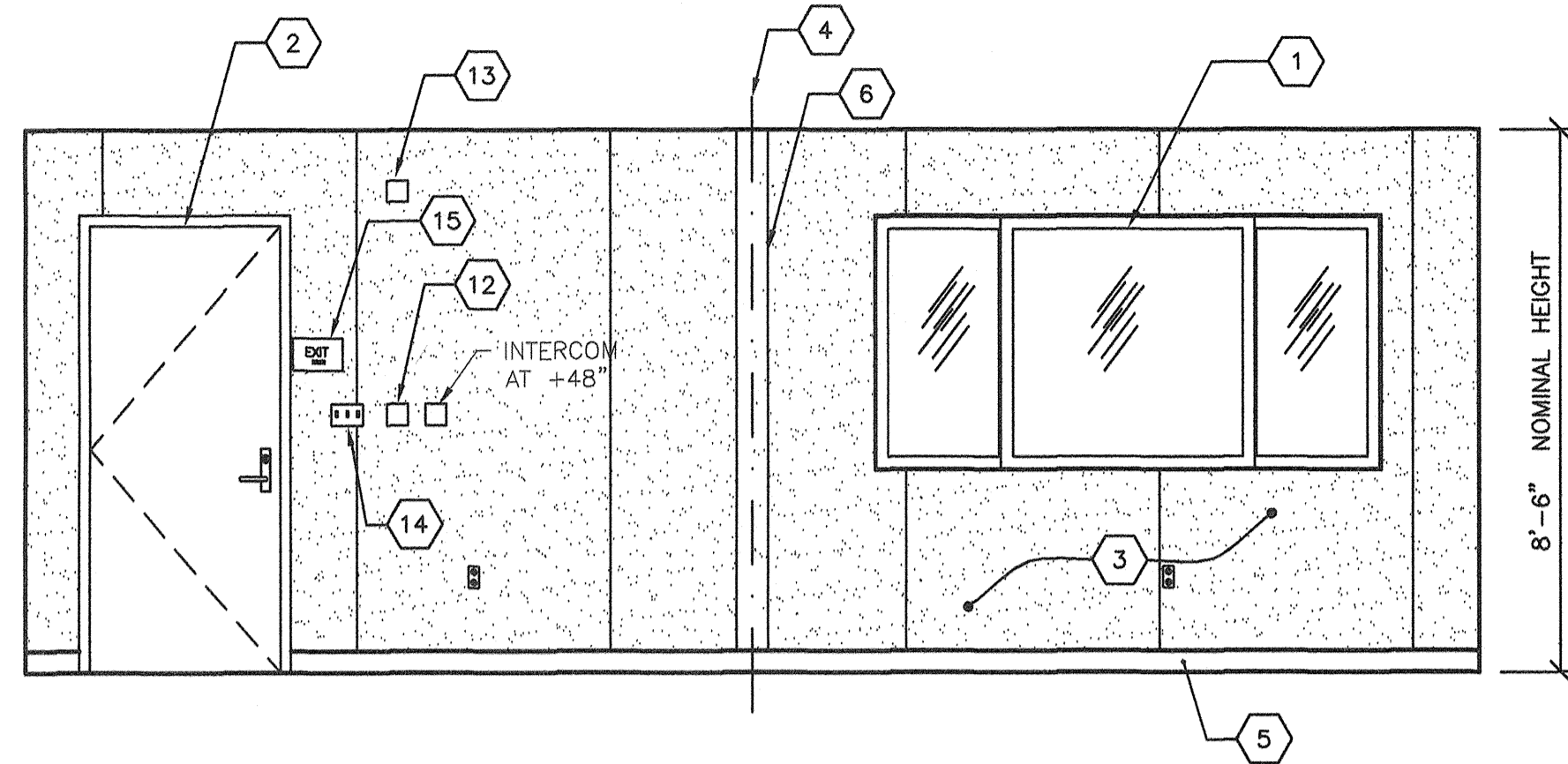
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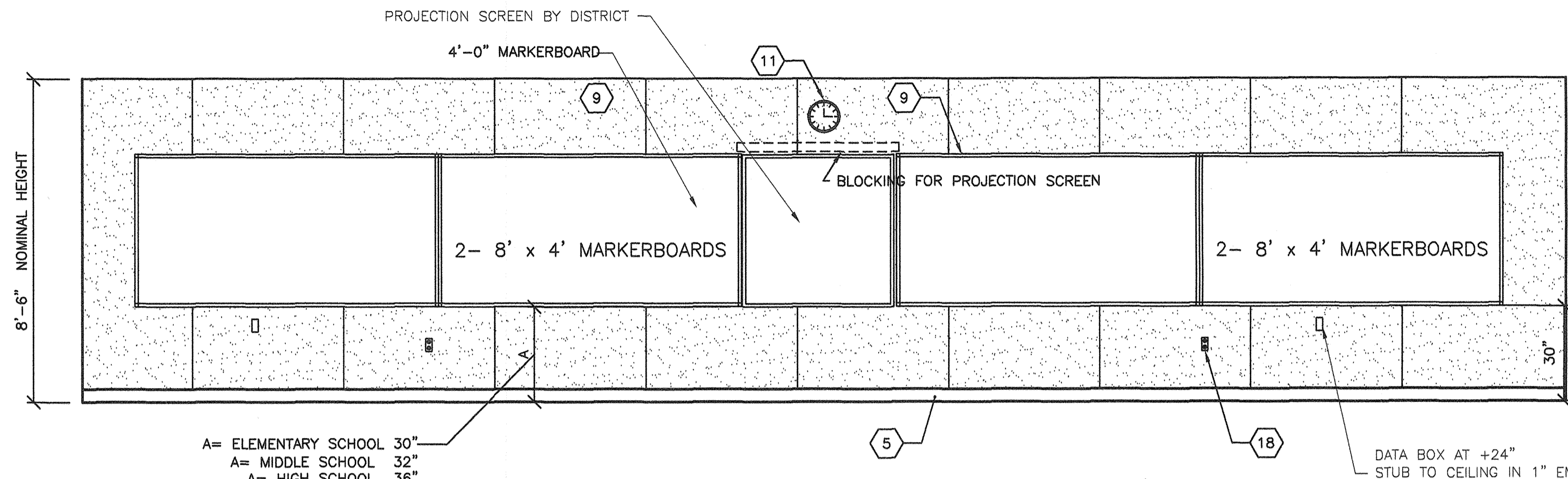
PROJECT NO.
A1-C

BASED ON PC 02-109695

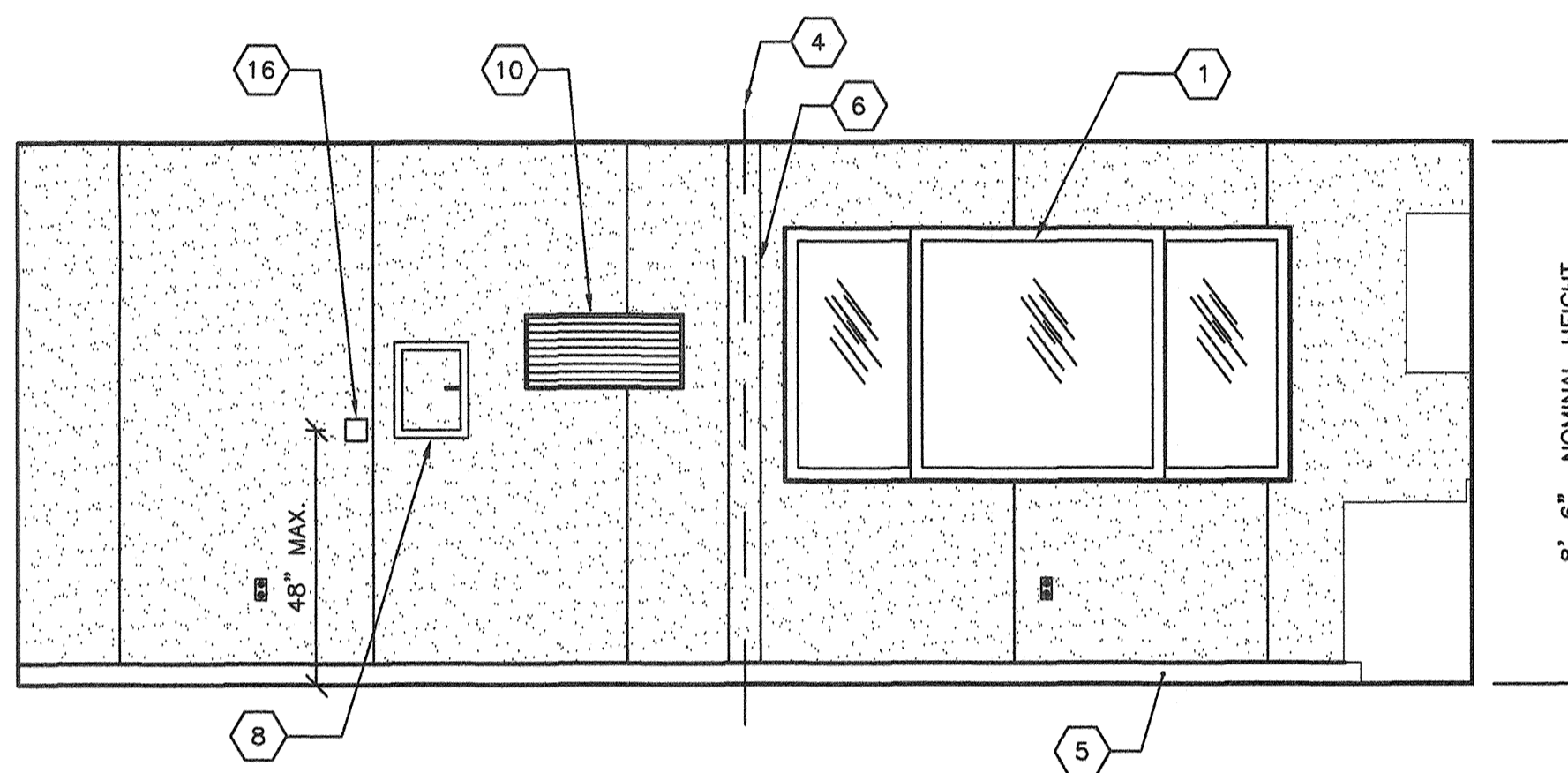
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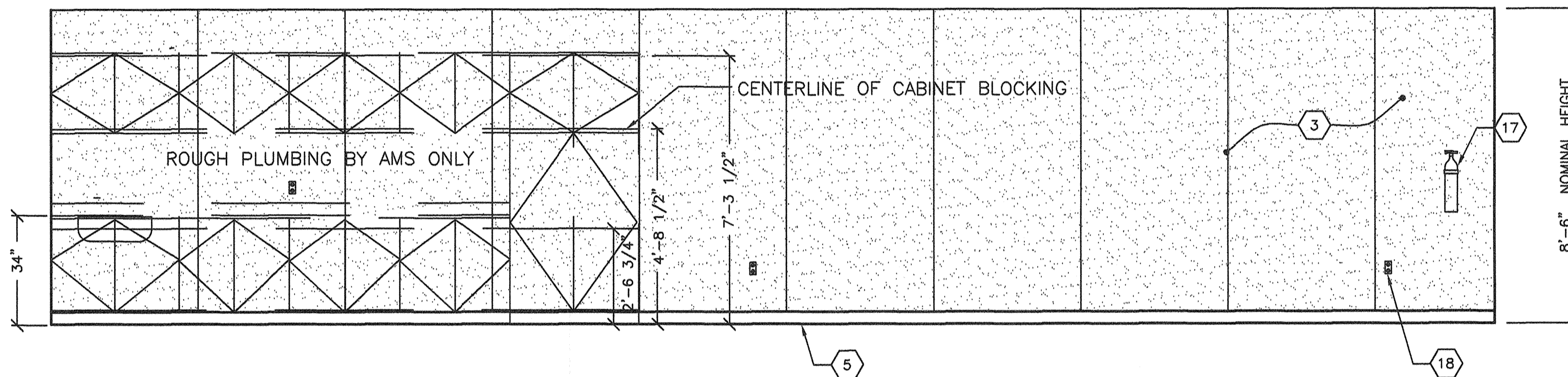
1 TYPICAL CLASSROOM FRONT END WALL ELEVATION
A3 3/8"=1'-0"



2 TYPICAL CLASSROOM SIDE WALL ELEVATION
A3 3/8"=1'-0"



3 TYPICAL CLASSROOM REAR END WALL ELEVATION
A3 3/8"=1'-0"



4 TYPICAL CLASSROOM SIDE WALL ELEVATION
A3 3/8"=1'-0"

- KEY NOTES -**
- 1 WINDOW TYP.
 - 2 TYP EXTERIOR DOOR
 - 3 VINYL WRAPPED TACKABLE WALLS
 - 4 TYP MOD LINE
 - 5 TOP SET BASE
 - 6 TRIM PIECE (FIELD INSTALL)
 - 7 NOT USED
 - 8 ELECTRICAL PANEL
 - 9 (2) 4'x4' MARKER BOARDS
 - 10 HVAC GRILL
 - 11 CLOCK
 - 12 PULL STATION J-BOX 48" A.F.F SEE ELECTRICAL SHEETS
 - 13 HORN/STROBE J-BOX SEE ELECTRICAL SHEETS
 - 14 LIGHT SWITCH SEE ELECTRICAL SHEETS
 - 15 EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
 - 16 THERMOSTAT 48" A.F.F SEE MECHANICAL SHEETS
 - 17 FIRE EXTINGUISHER TOP OF BRACKET @ +48" AFF PROTRUSION MAX 4" FROM WALL IF FIRE EXTINGUISHER IS ABOVE 27" A.F.F
 - 18 TYP DUPLEX OUTLET (SEE ELECTRICAL SHEETS) SPACED @ 12" o.c MIN. PER C.E.C

ROOM FINISHES SCHEDULE		FINISHES										REMARKS
ROOM NUMBER	ROOM NAME	FLOOR	BASE	FRONT	REAR	RIGHT	LEFT	CEILING	CEILING HEIGHT			
#	CLASSROOM	A	D	F	F	F	F	L	8'-6"			

A - CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
 B - VINYL SHEET FLOORING
 C - VCT, ARMSTRONG STANDARD OR EXCELOX
 D - TOP SET BASE. 4" BURKE
 E - TOP SET BASE. 6" BRINGANTINE OR SANDOVAL
 F - WALL FINISH. 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
 G - 1/2" W.R. GYP BOARD. TAPE, TEXTURE, PAINTED FINISH
 H - 1/2" GYP BOARD. TAPE, TEXTURE, PAINTED FINISH
 I - 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
 J - ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
 K - 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING
 L - 5/8" TYPE "X" GYP BOARD. TAPE, TEXTURE, PAINTED FINISH

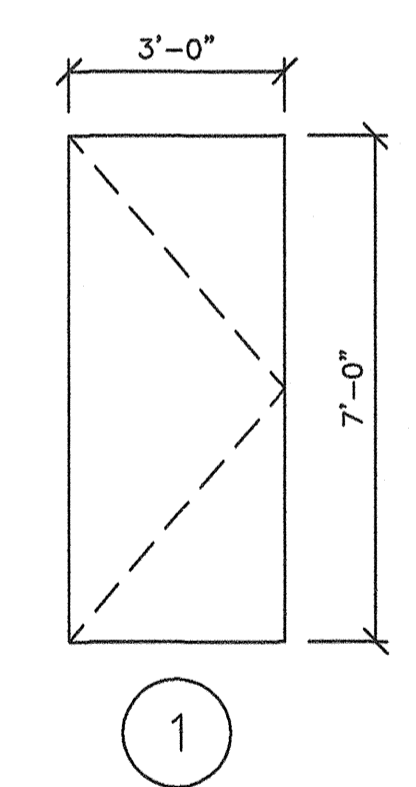
DOOR SCHEDULE									
DOORS					FRAMES				
DOOR NO.	FRAME OPENING SIZE	MATERIAL	DOOR FIRE TYPE	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	REMARKS
1	3'-0 x 7'-0"	HM	F1	A	1	STL	4/A4A	9/A4A	F1

HM - HOLLOW METAL
 AL - ALUMINUM
 SST - STAINLESS STEEL
 STL - STEEL FRAME. 18 ga. FULLY WELDED *CLASSROOMS > 1000 S.F WILL RE'Q PANIC HARDWARE PER CBC 1008.1.9
 WWF - WINDOW WALL FRAME
 SC - SOLID CORE WOOD
 HC - HOLLOW CORE WOOD

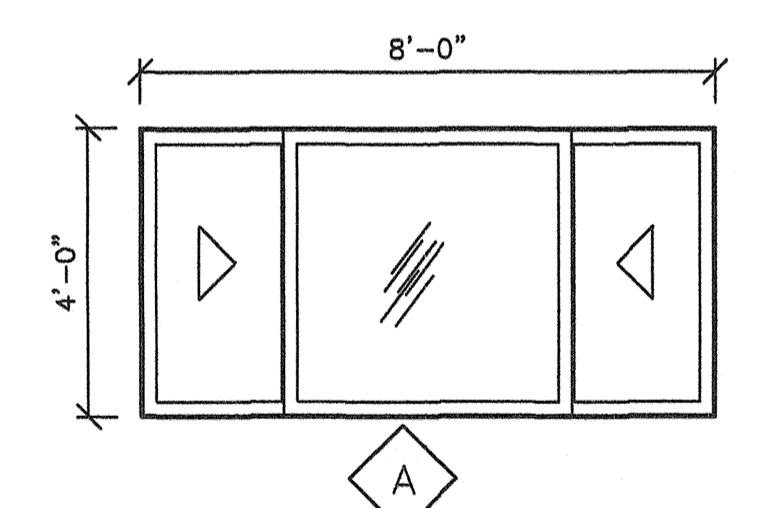
NOTE: REFER TO SHEETS A5A, A6A & A7A FOR HEAD & JAMB DOOR DETAILS W/ OPTIONAL EXTERIOR FINISHES

WINDOW SCHEDULE								
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE	U-FACTOR	SHGC
1	2	SLIDER	8'-0"	4'-0"	BRONZE	SOLAR GRAY	0.780	0.430

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.



5 DOOR AND DOOR FRAME TYPES
A3 3/8"=1'-0"



6 WINDOW TYPES
A3 3/8"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION

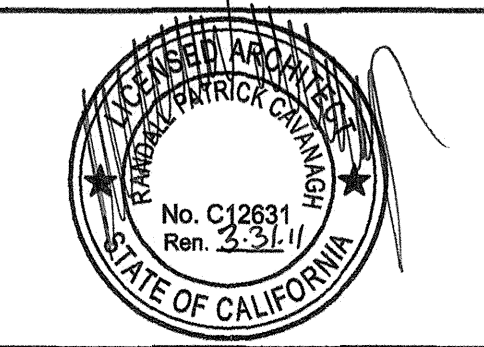
DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOLS
PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
TYPICAL INTERIOR ELEVATIONS



APPROVALS:



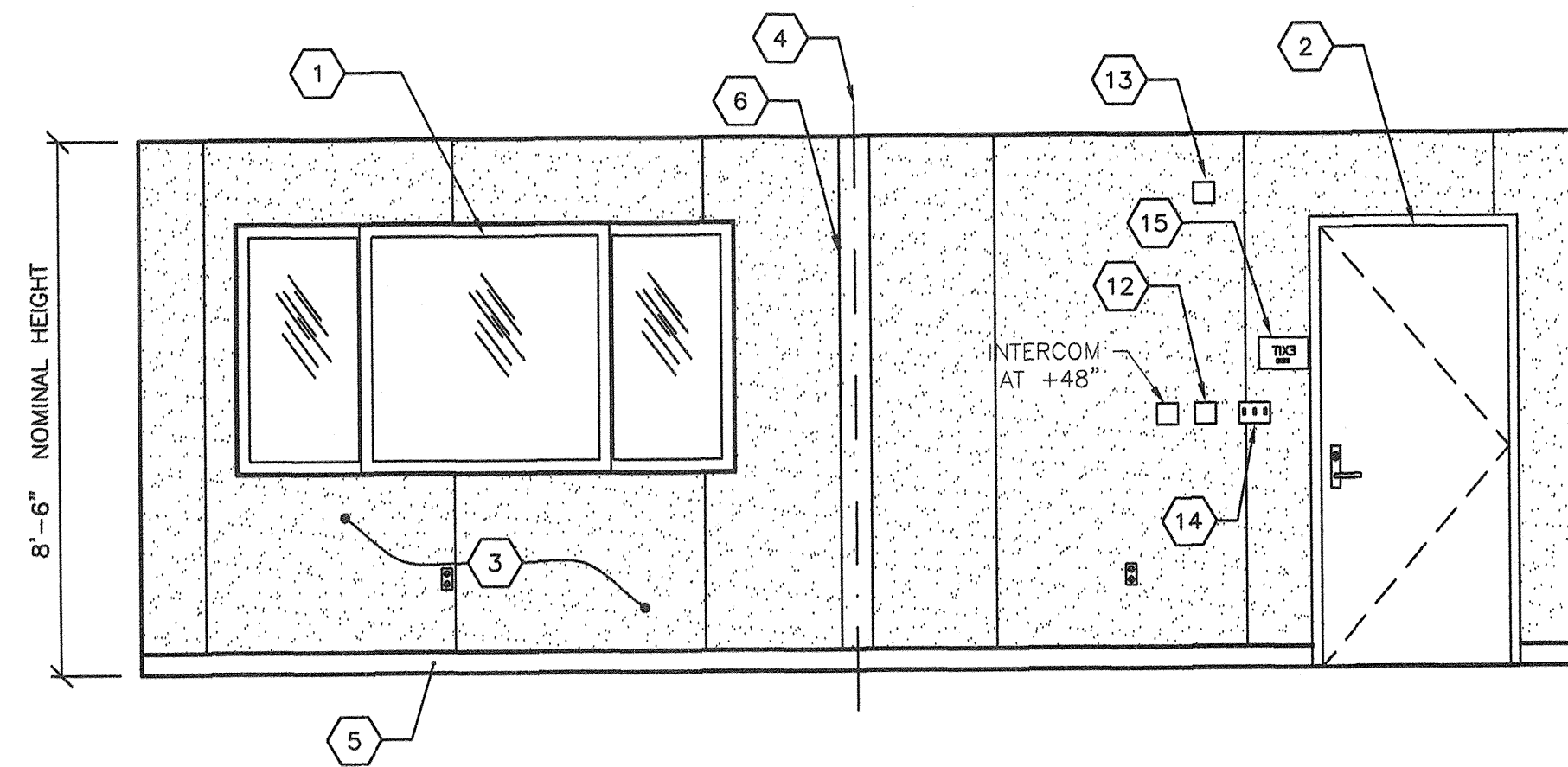
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
08 113549
AC [Signature]
DATE 9-2-2010

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: FLS SS
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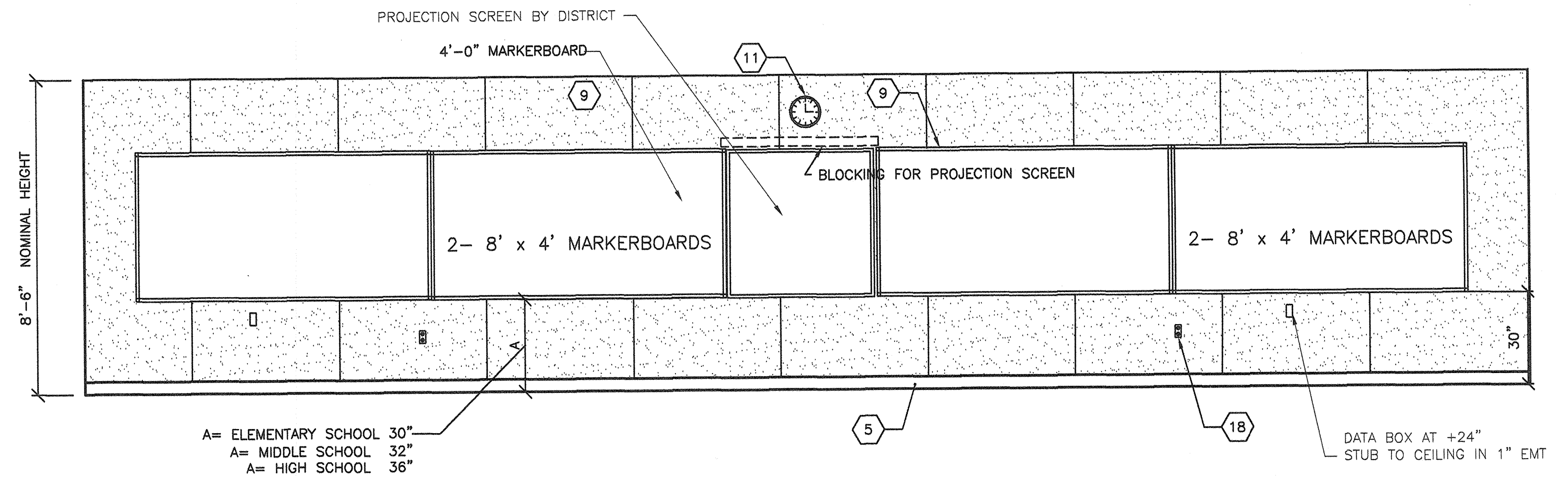
PROJECT No.
A3C

BASED ON PC# 02-109695

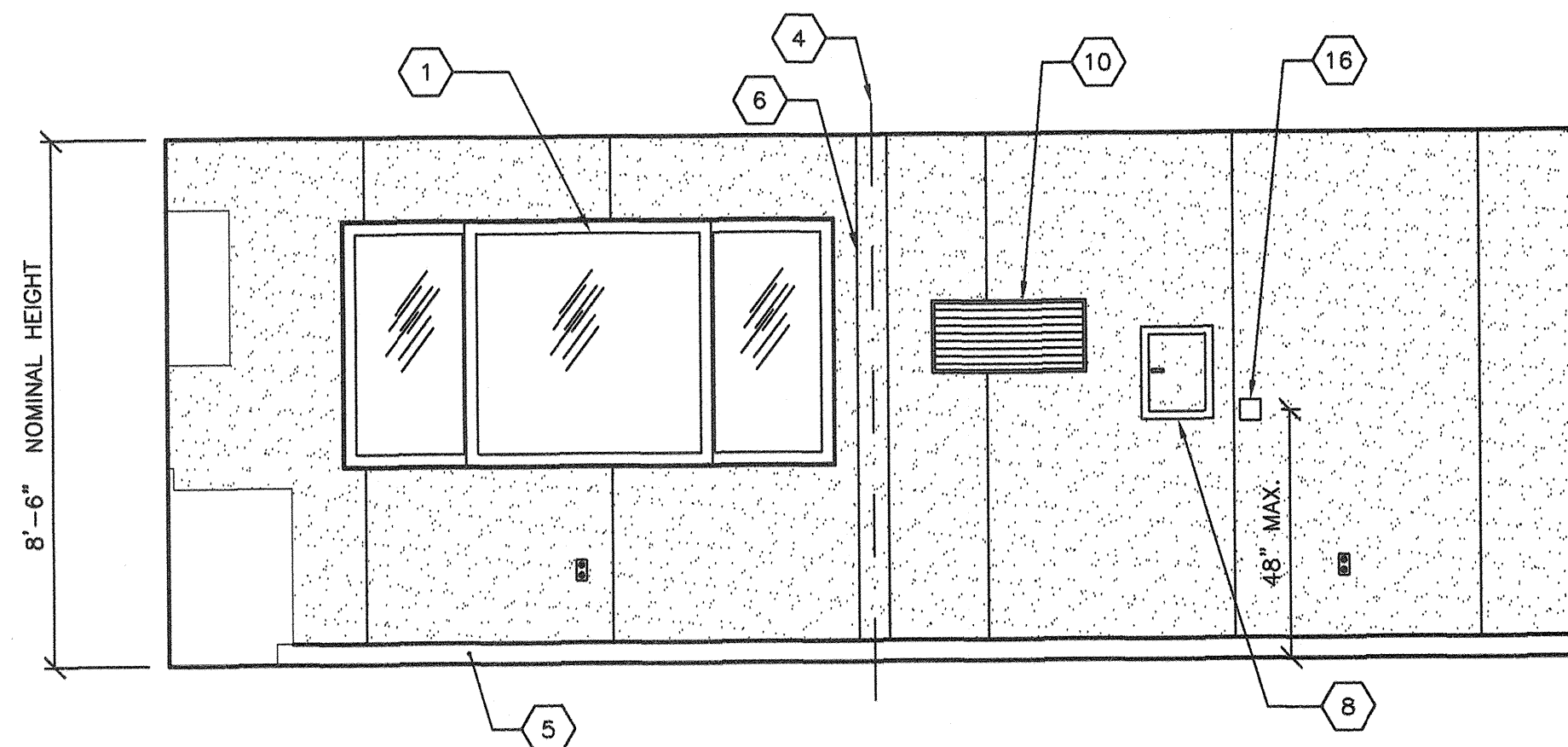
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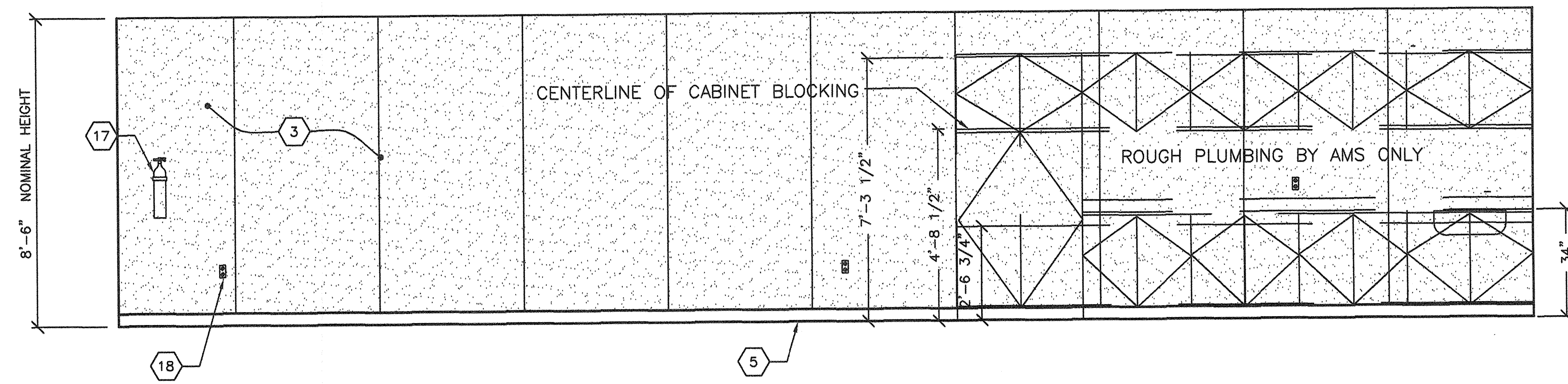
1 TYPICAL CLASSROOM FRONT END WALL ELEVATION
A3A 3/8"=1'-0"



2 TYPICAL CLASSROOM SIDE WALL ELEVATION
A3A 3/8"=1'-0"



3 TYPICAL CLASSROOM REAR END WALL ELEVATION
A3A 3/8"=1'-0"



4 TYPICAL CLASSROOM SIDE WALL ELEVATION
A3A 3/8"=1'-0"

BASED ON PC# 02-109695

REVISIONS		
NO	DATE	DESCRIPTION

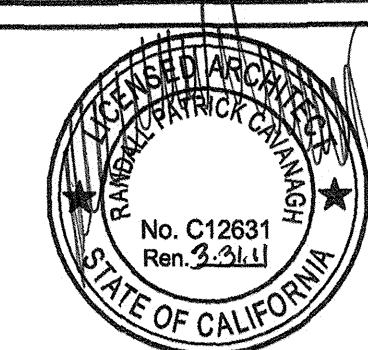
DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
TYPICAL INTERIOR ELEVATIONS



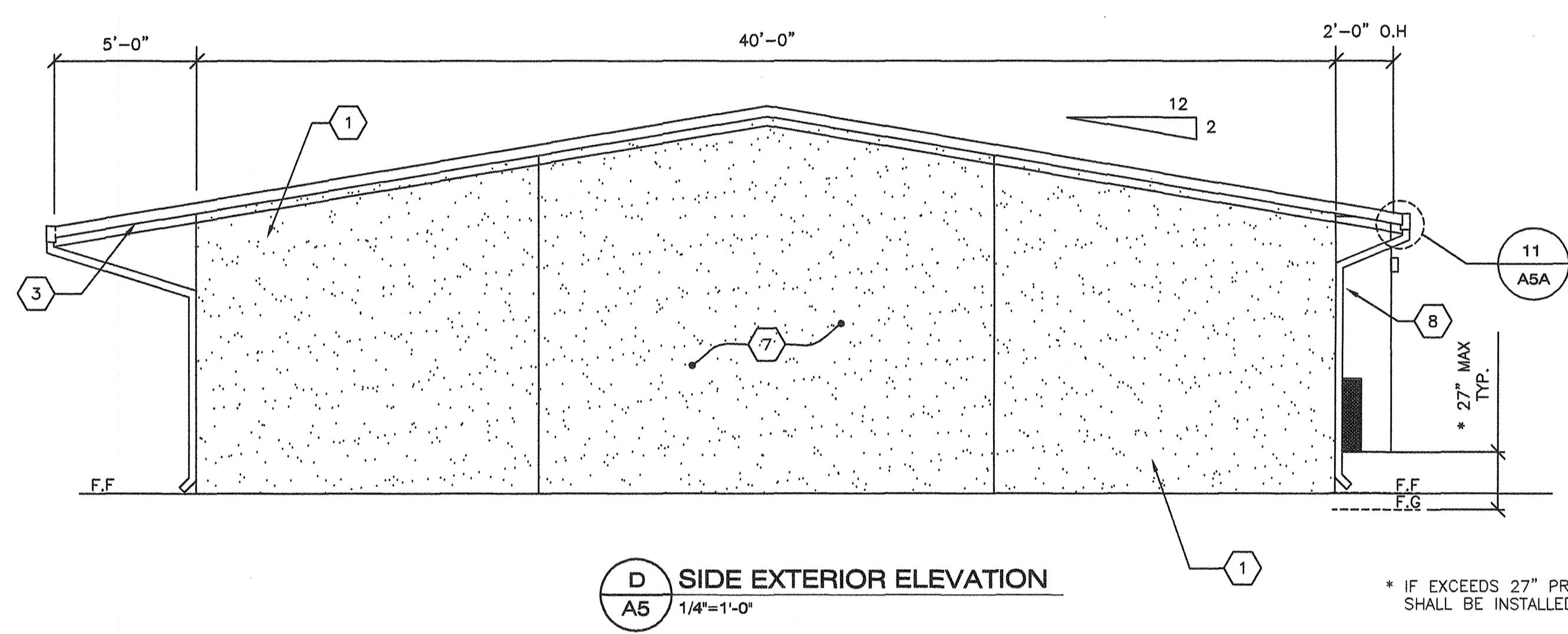
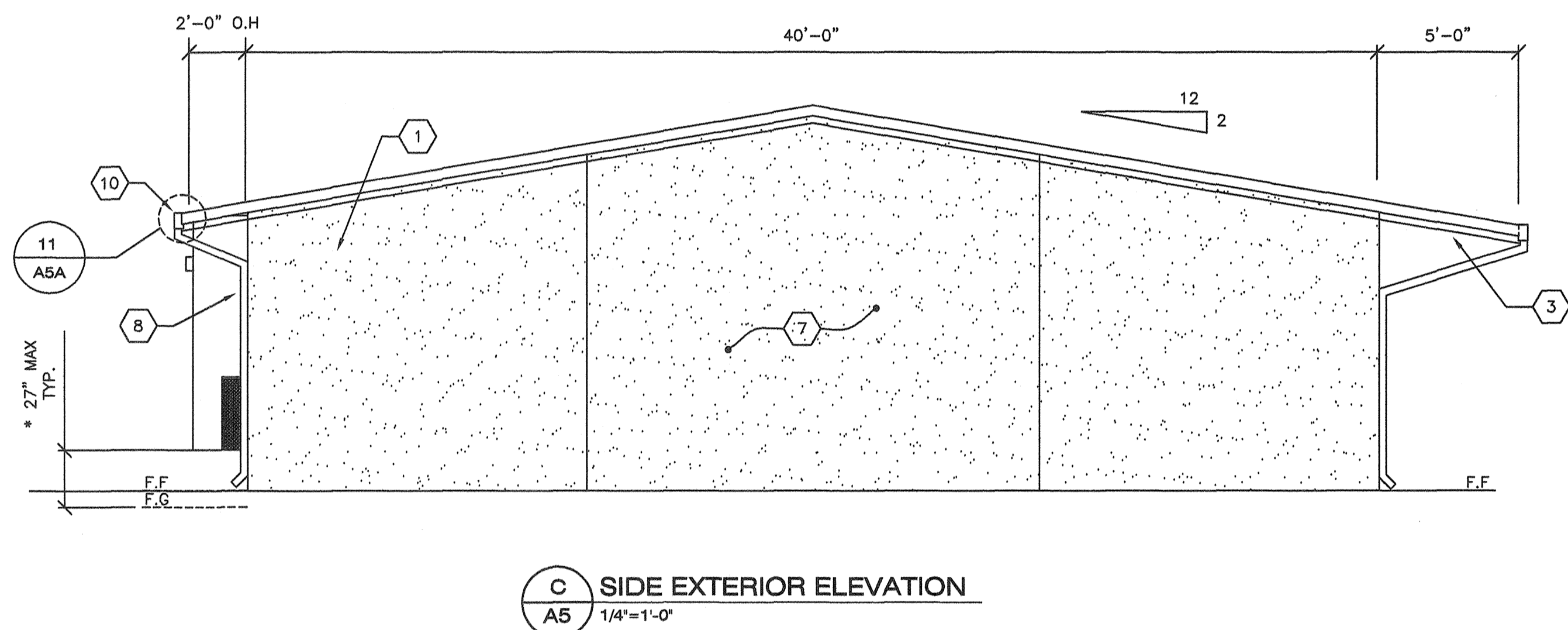
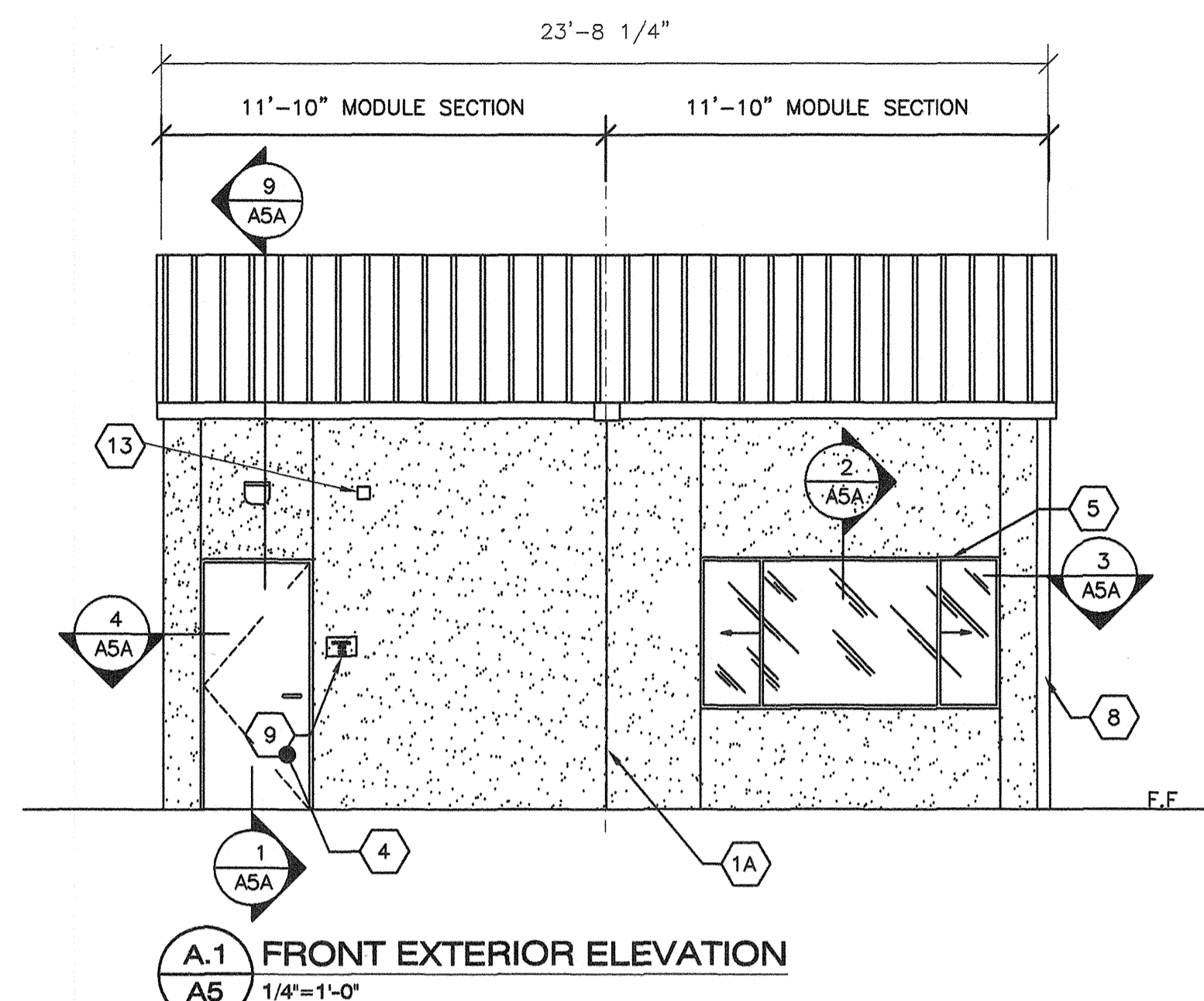
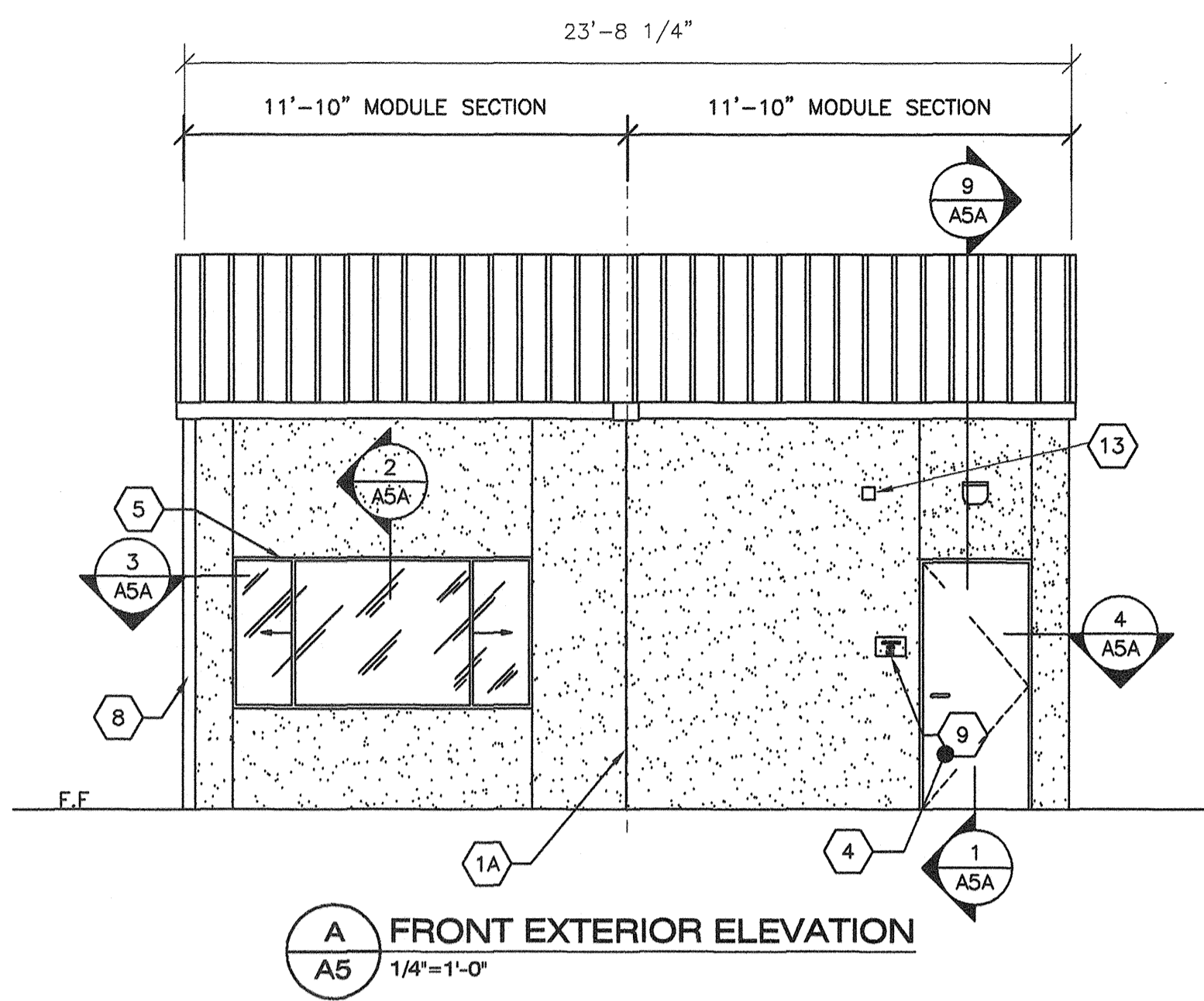
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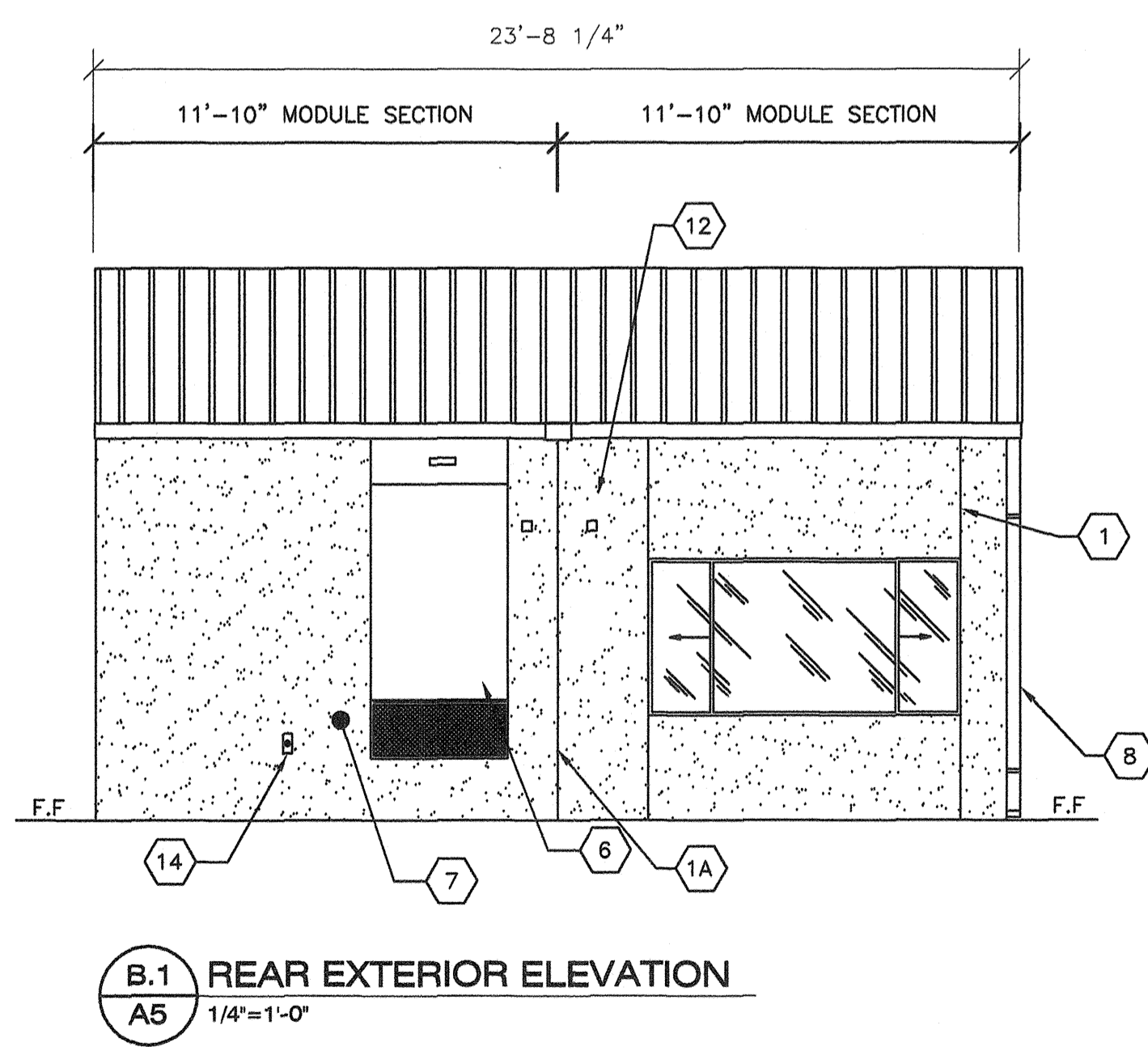
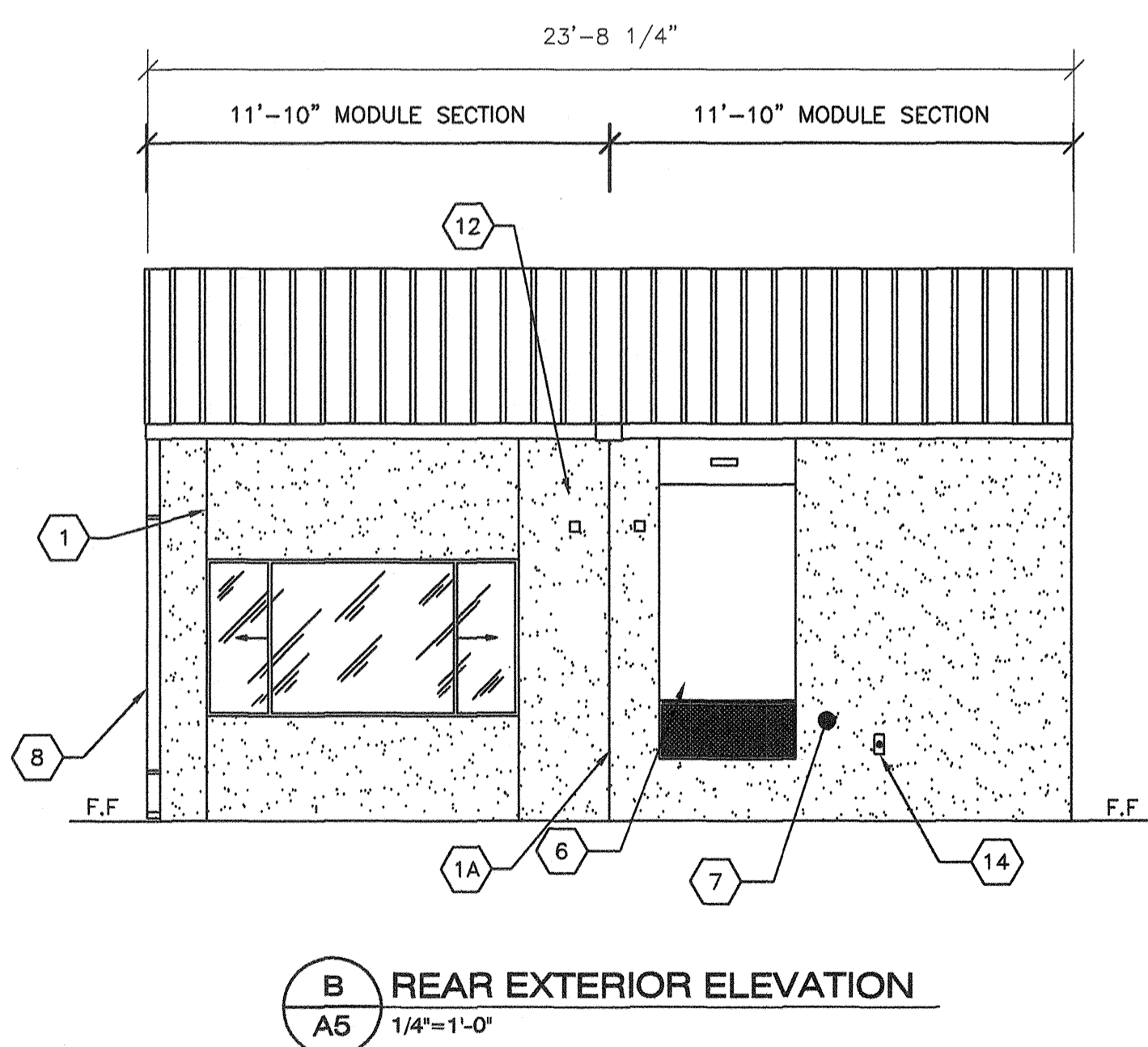
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OFFICE OF REGULATION SERVICES
118549
DATE 9-7-2010

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OFFICE OF REGULATION SERVICES
AC: FLS: SS
DATE

PROJECT NO.
A3A



- SHEET NOTES -**
- 1 CONTROL JOINT (LOCATIONS MAY VARY)
 - 1A 16 GA. FLASHING TRIM @ MODLINES TYP.
 - 2 STANDING SEAM METAL ROOFING
 - 3 OVERHANG
 - 4 TYPICAL EXTERIOR DOOR
 - 5 WINDOW SEE SPEC'S
 - 6 HVAC UNIT TYP.
 - 7 ACRYLIC TEXTURED FINISH OVER HARDI-BOARD
 - 8 DOWNSPOUT (QUANTITY & LOCATION MAY VARY)
 - 9 ROOM ID AND ISA SIGNAGE (BY OWNER) TYP REFER TO DETAILS 5/AD AND 9/AD
 - 10 GUTTER
 - 11 EXTERIOR LIGHT FIXTURE TYP
 - 12 MODULAR IDENTIFICATION TAG, +90" ABOVE F.F.
 - 13 FIRE ALARM HORN (REFER TO E1)
 - 14 WP/G.F.C.I. TYP. @ HVAC UNITS SEE ELECTRICAL SHEETS.
- R FOR RAMP DETAILS REFER TO SHEET S6R



* IF EXCEEDS 27" PROTECTIVE GUARDS SHALL BE INSTALLED (BY OWNER)

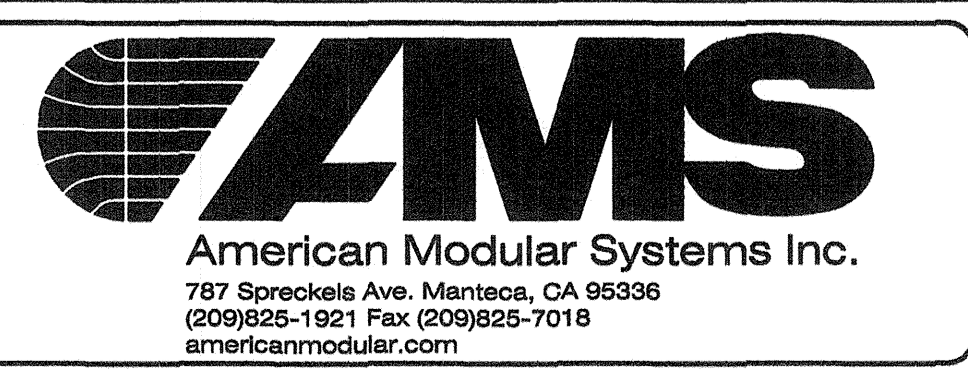
BASED PC 02-109695

REVISIONS		
NO	DATE	DESCRIPTION

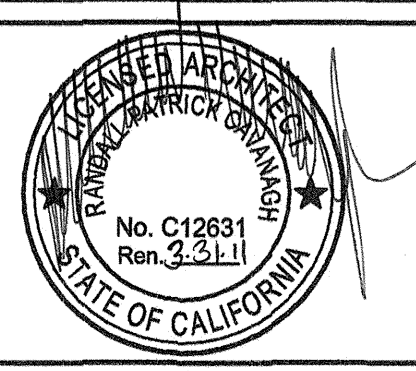
DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO)



APPROVALS:

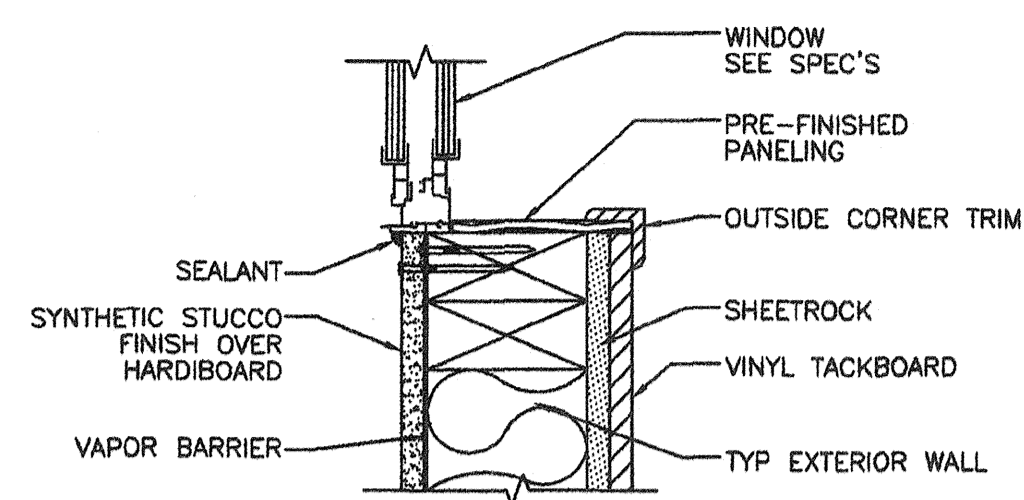


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No. C12631
Rev. 3.31.11
DATE: 9-2-2010
AC: FLS: SS

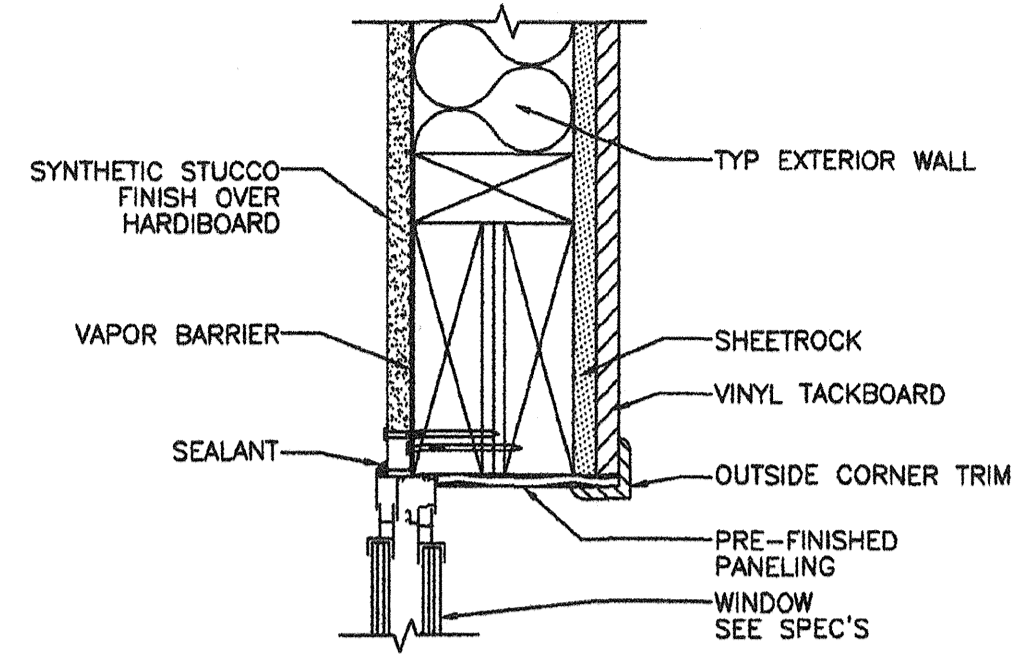
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: FLS: SS
DATE:

PROJECT NO.
A5-C

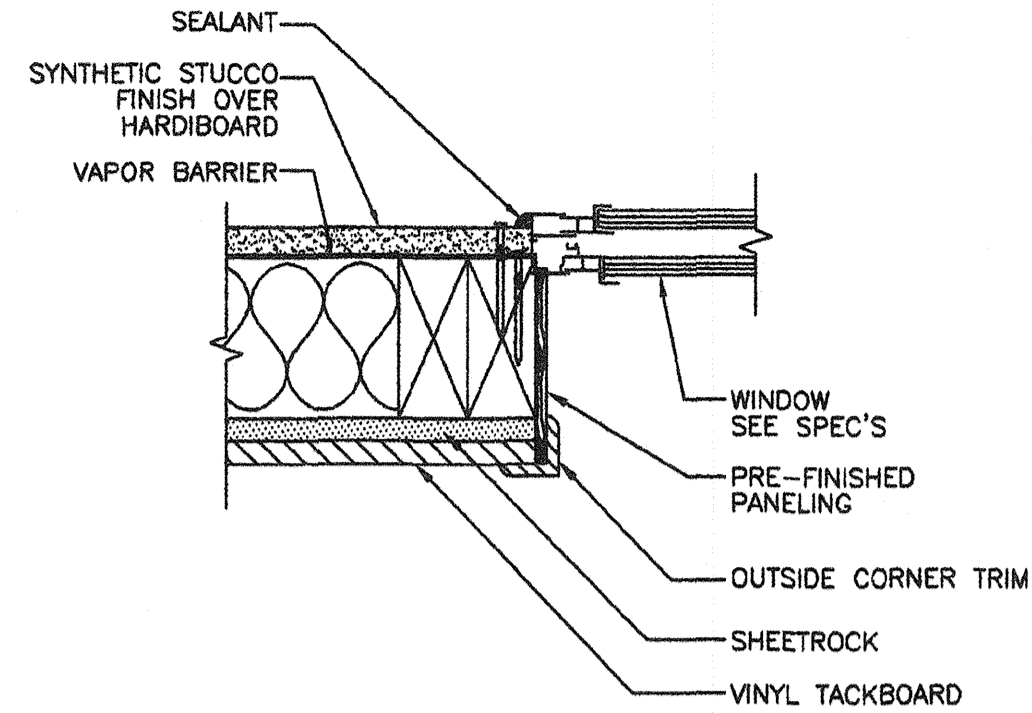
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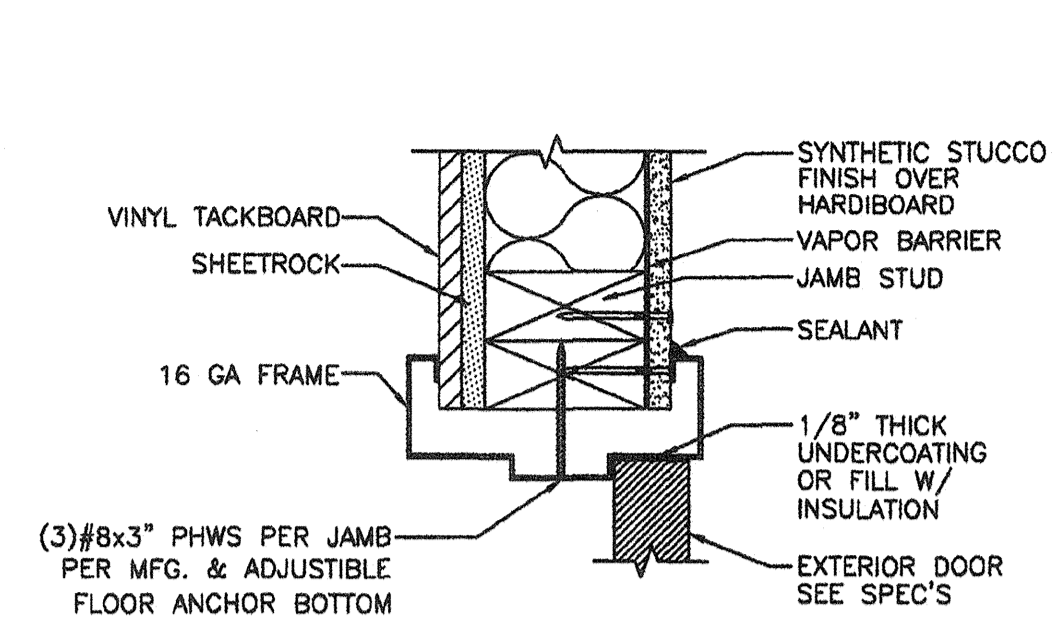
1 TYP WINDOW SILL DETAIL
A5A 3'-1'-0"



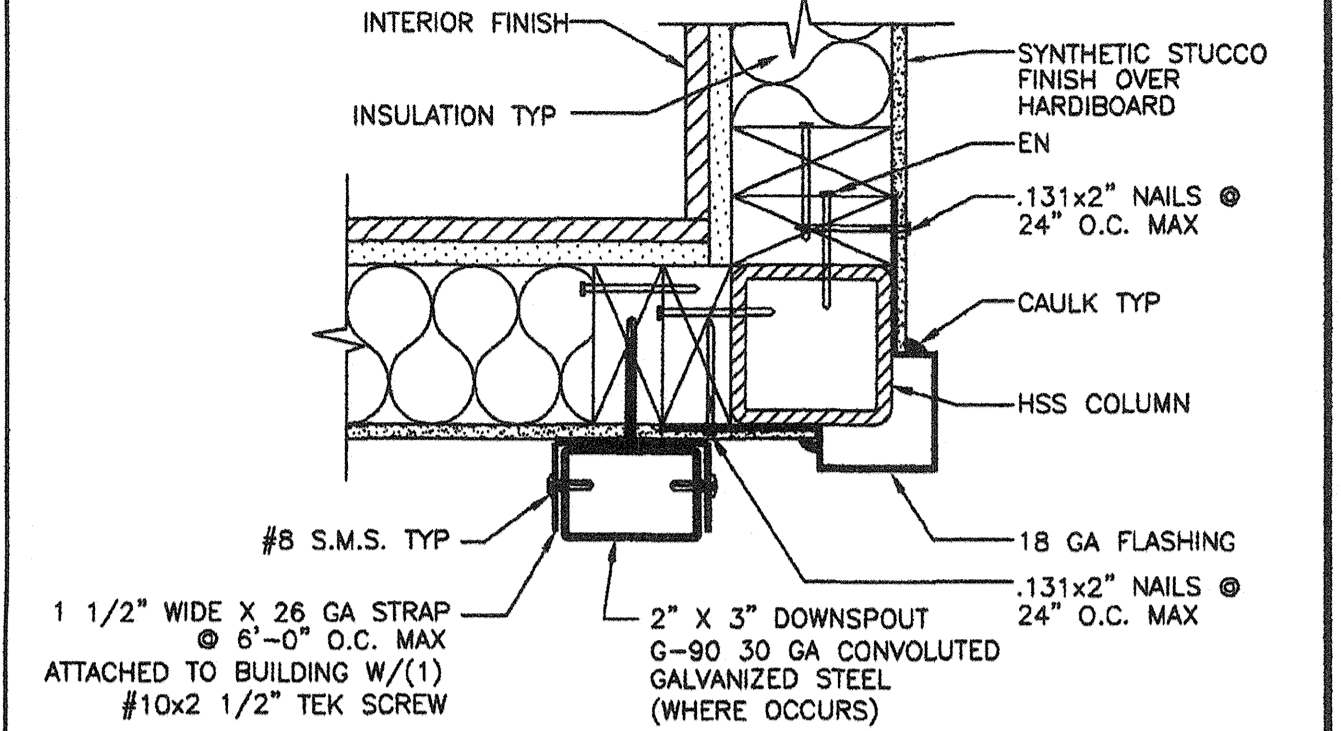
2 TYP WINDOW HEADER DETAIL
A5A 3'-1'-0"



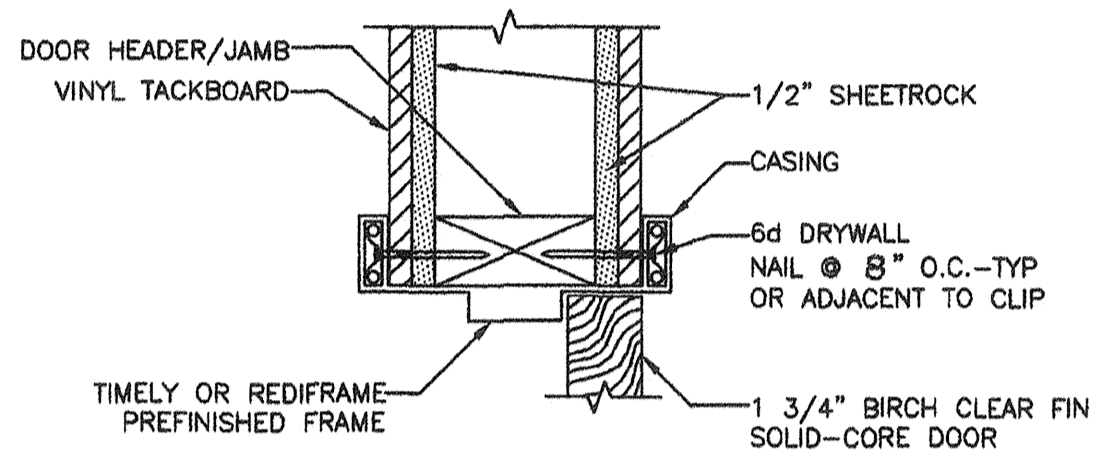
3 TYP WINDOW JAMB DETAIL
A5A 3'-1'-0"



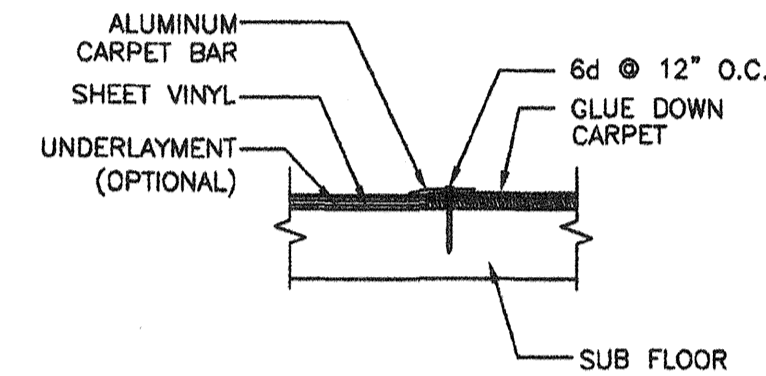
4 TYP DOOR JAMB DETAIL
A5A 3'-1'-0"



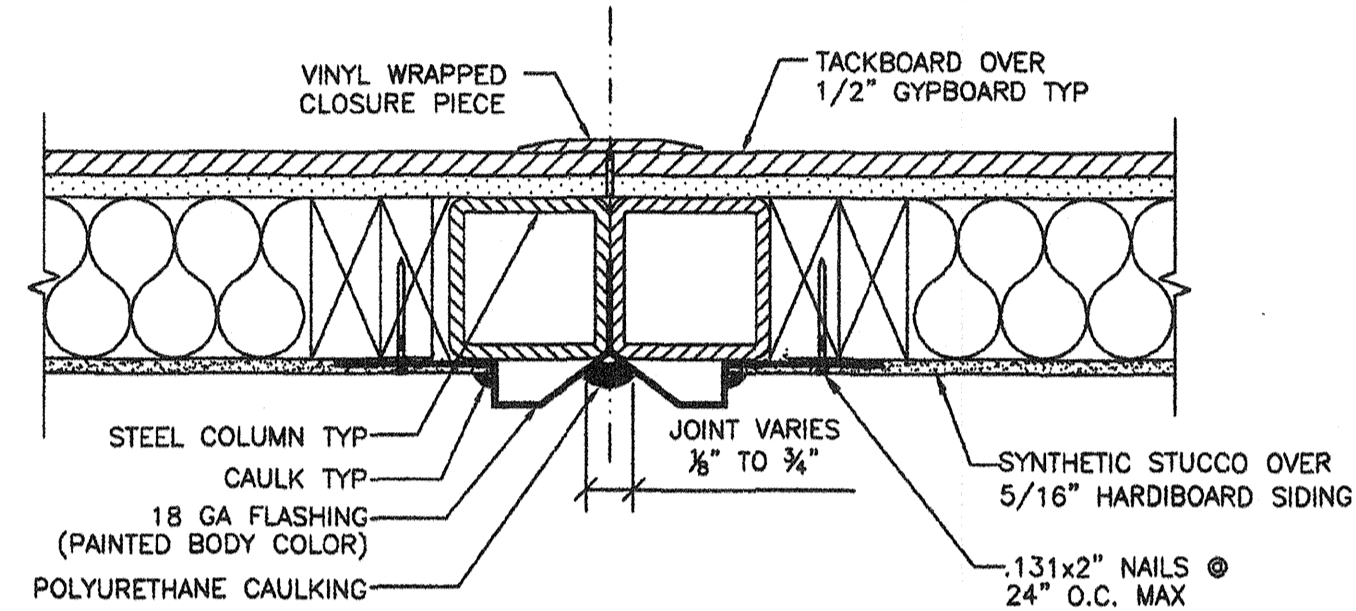
5 DOWNSPOUT ATTACHMENT DETAIL
A5A 3'-1'-0"



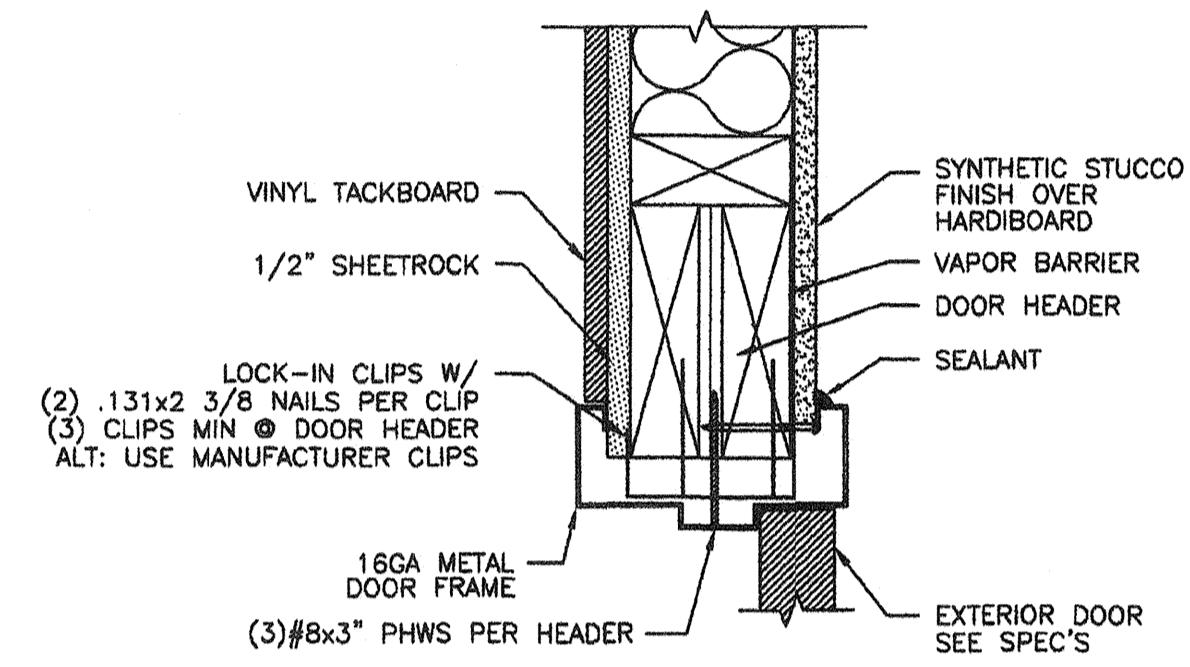
6 TYP INTERIOR DOOR HEADER DETAIL
A5A 3'-1'-0"



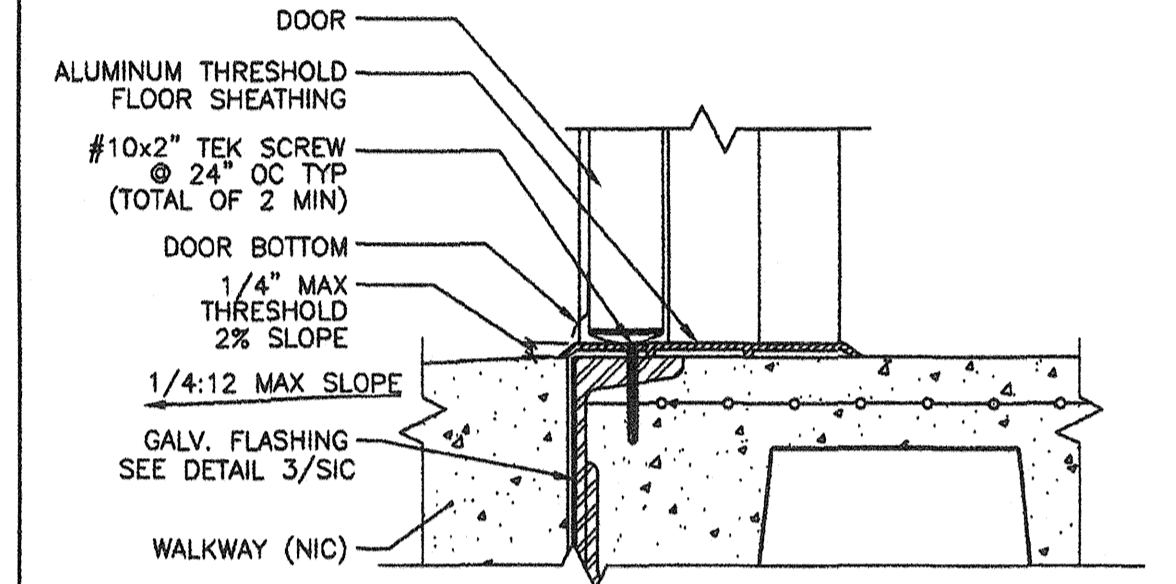
7 FLOORING DETAIL
A5A 3'-1'-0"



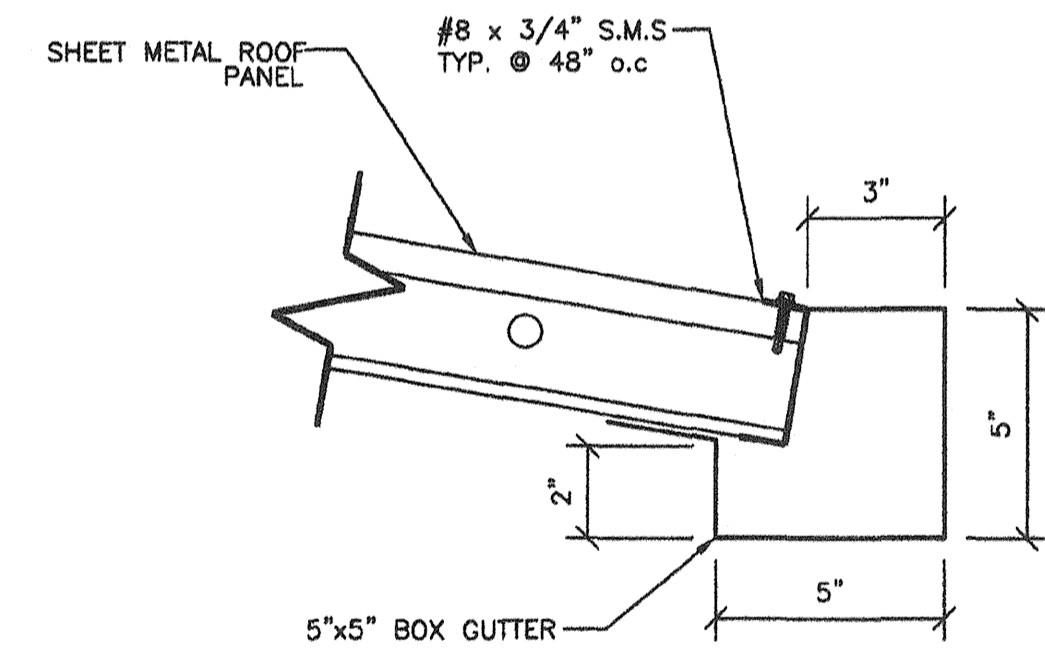
8 TYP MODLINE CLOSURE DETAIL
A5A 3'-1'-0"



9 TYP DOOR HEADER DETAIL
A5A 3'-1'-0"



10 THRESHOLD DETAIL
A5A 1 1/2'-1'-0"



11 TYP GUTTER ATTACHMENT DETAIL
A5A 3'-1'-0"

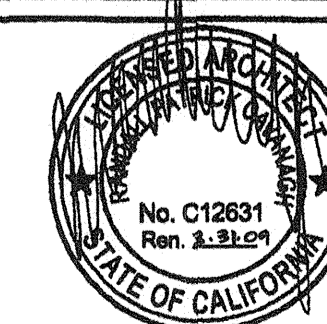
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 2/6/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE CLASSROOMS
ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)525-1921 Fax (209)525-7018
americanmodular.com

APPROVALS:

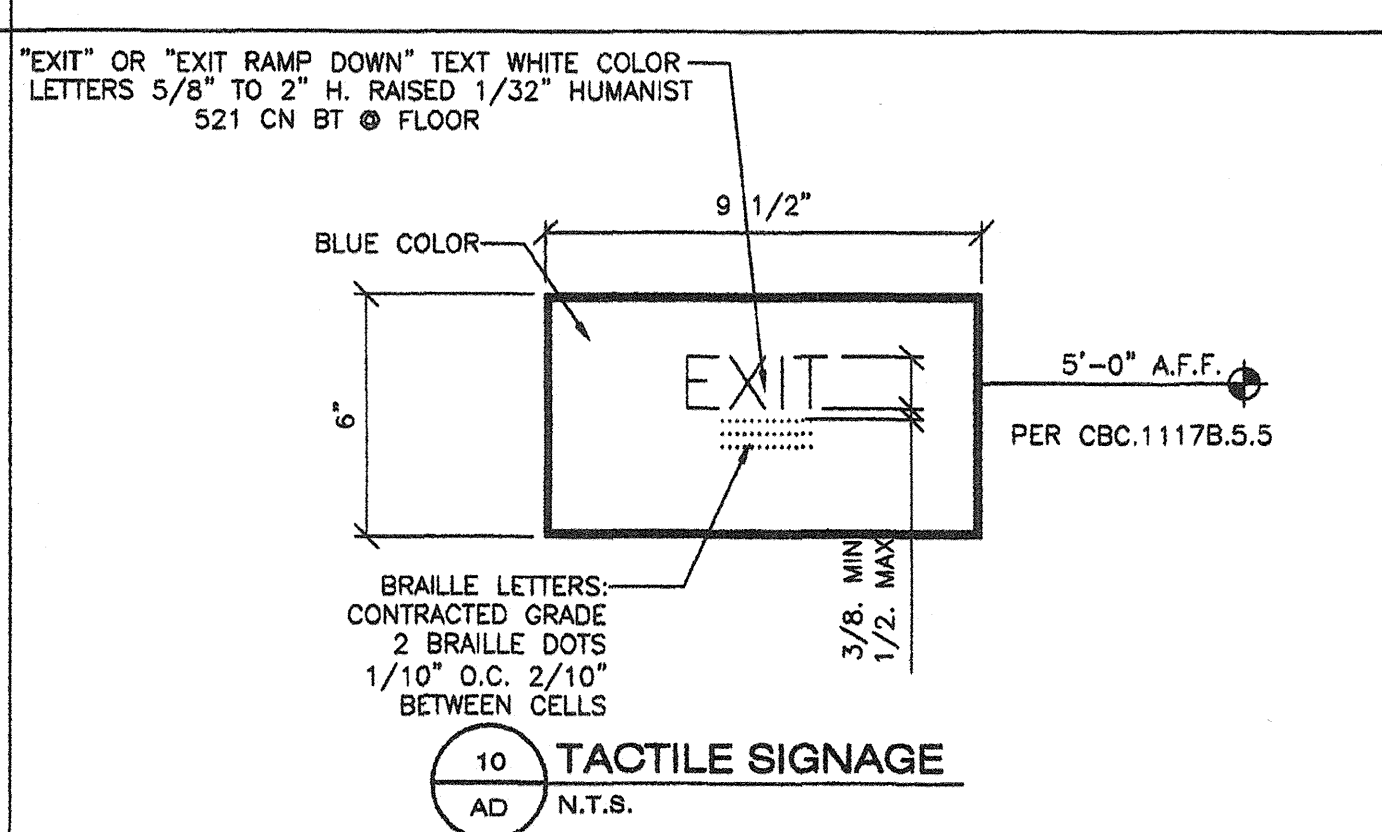
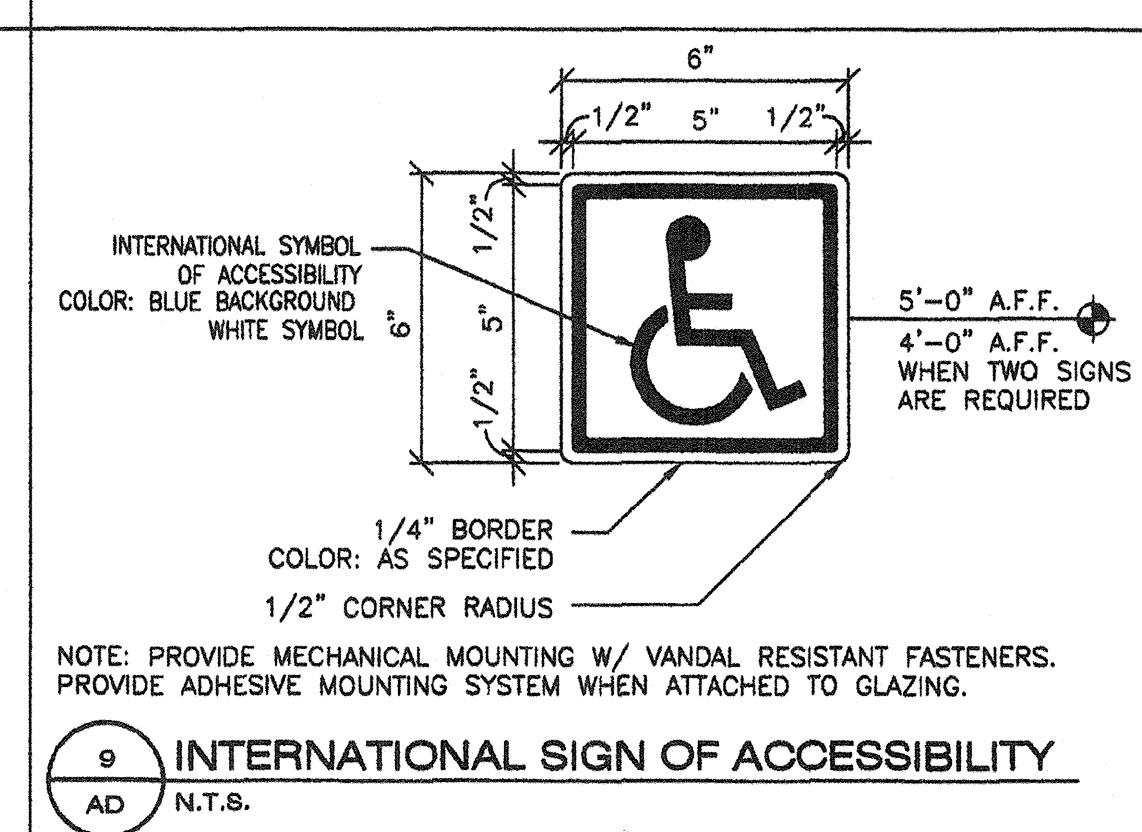
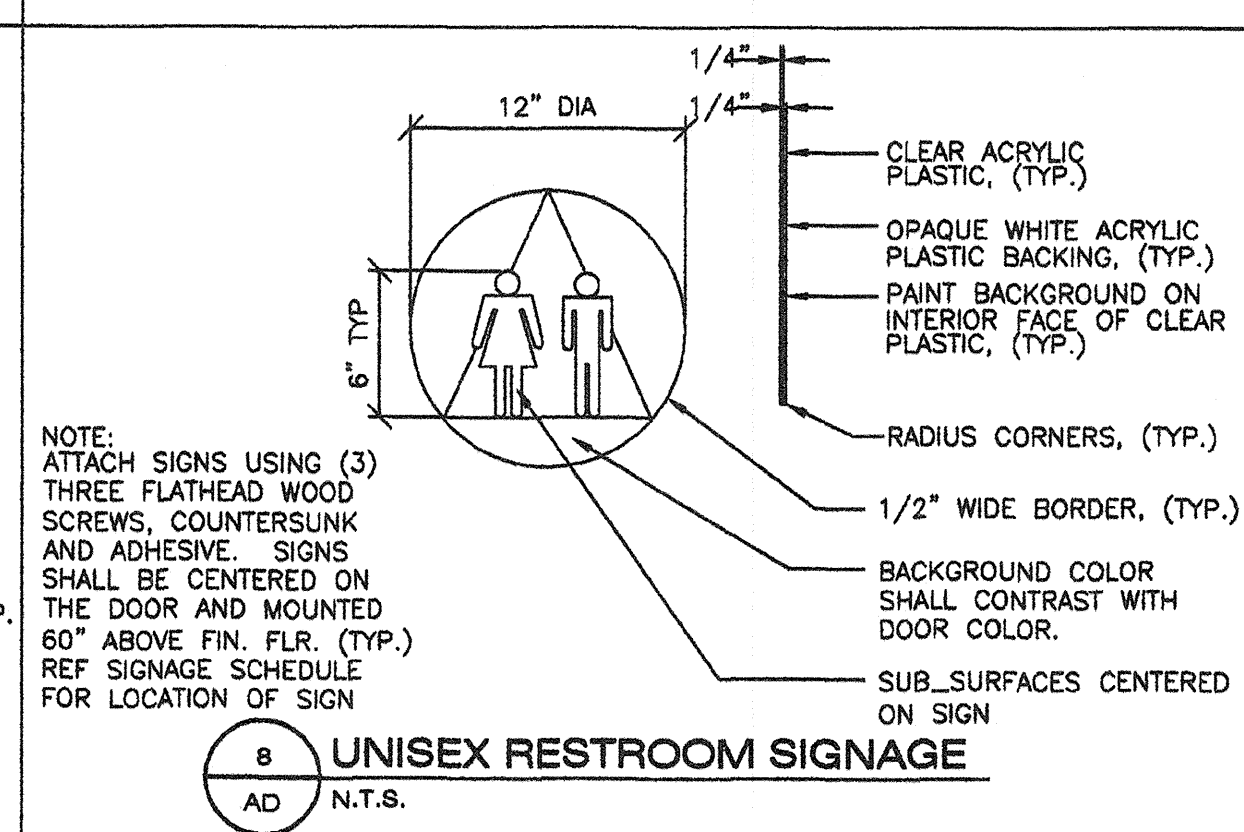
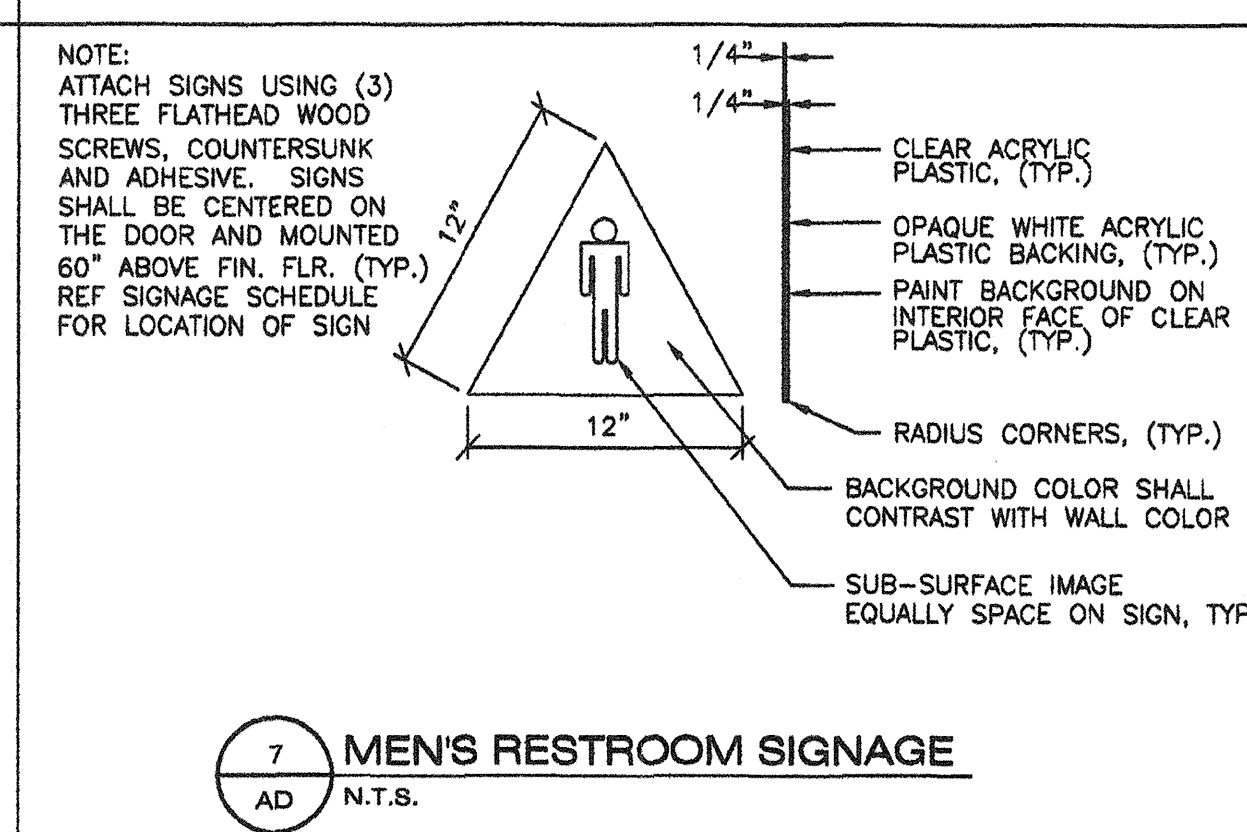
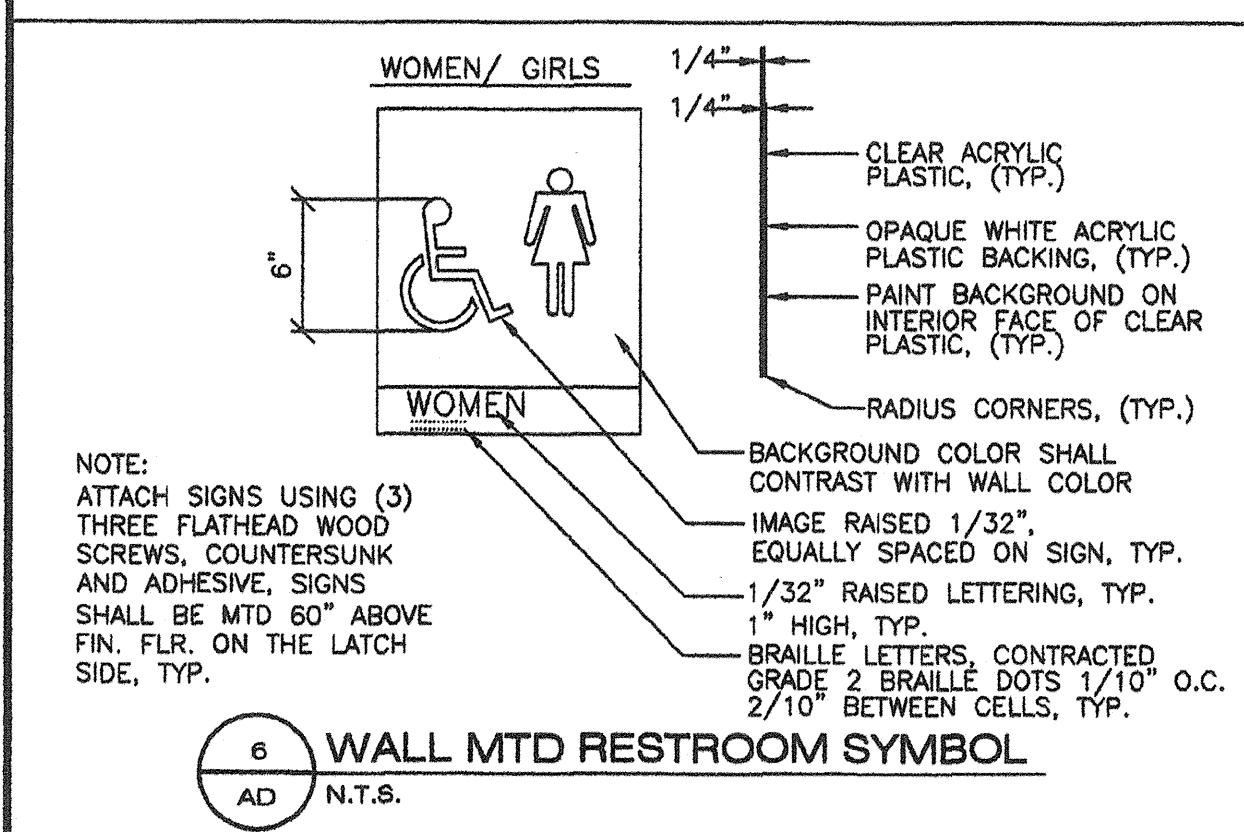
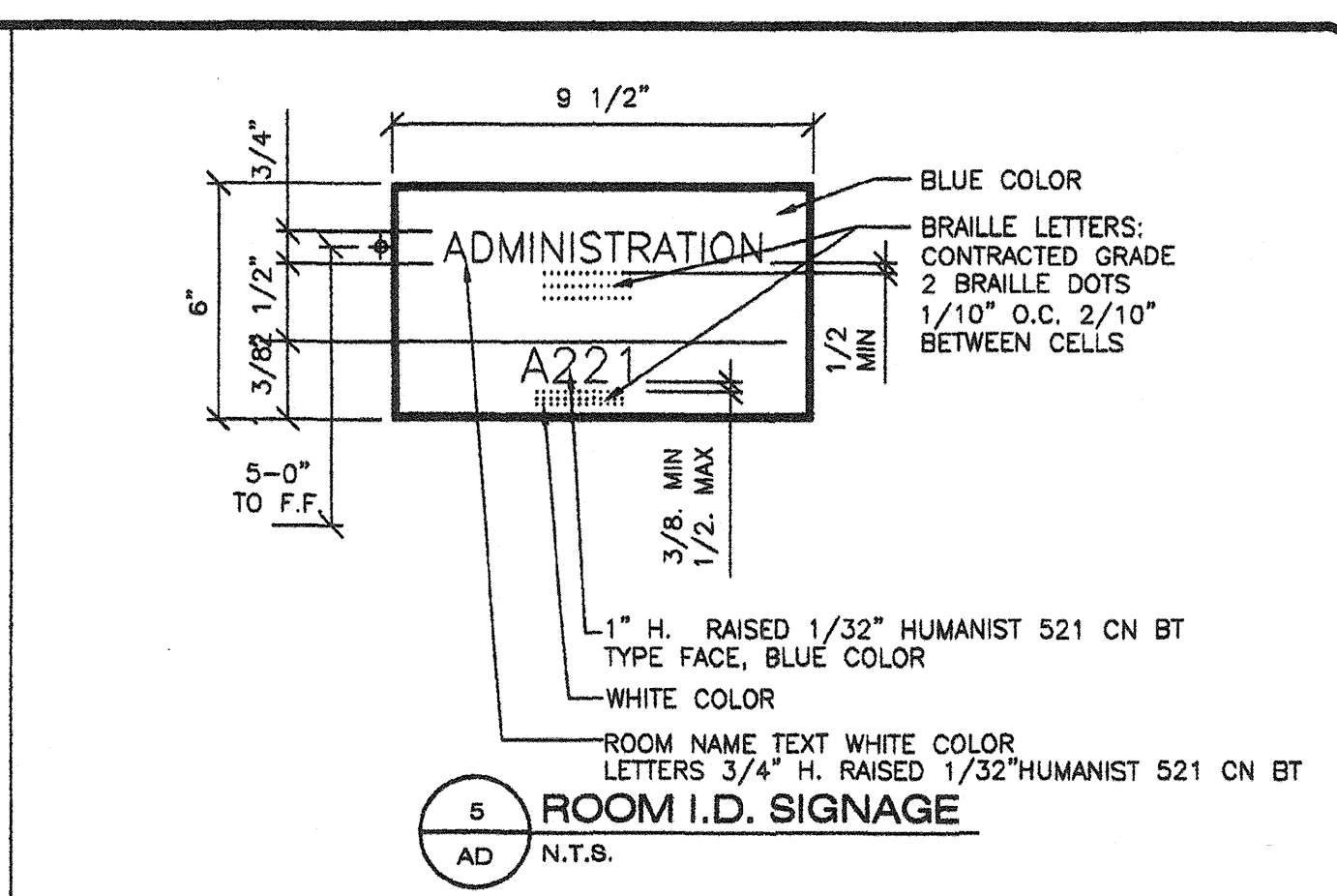
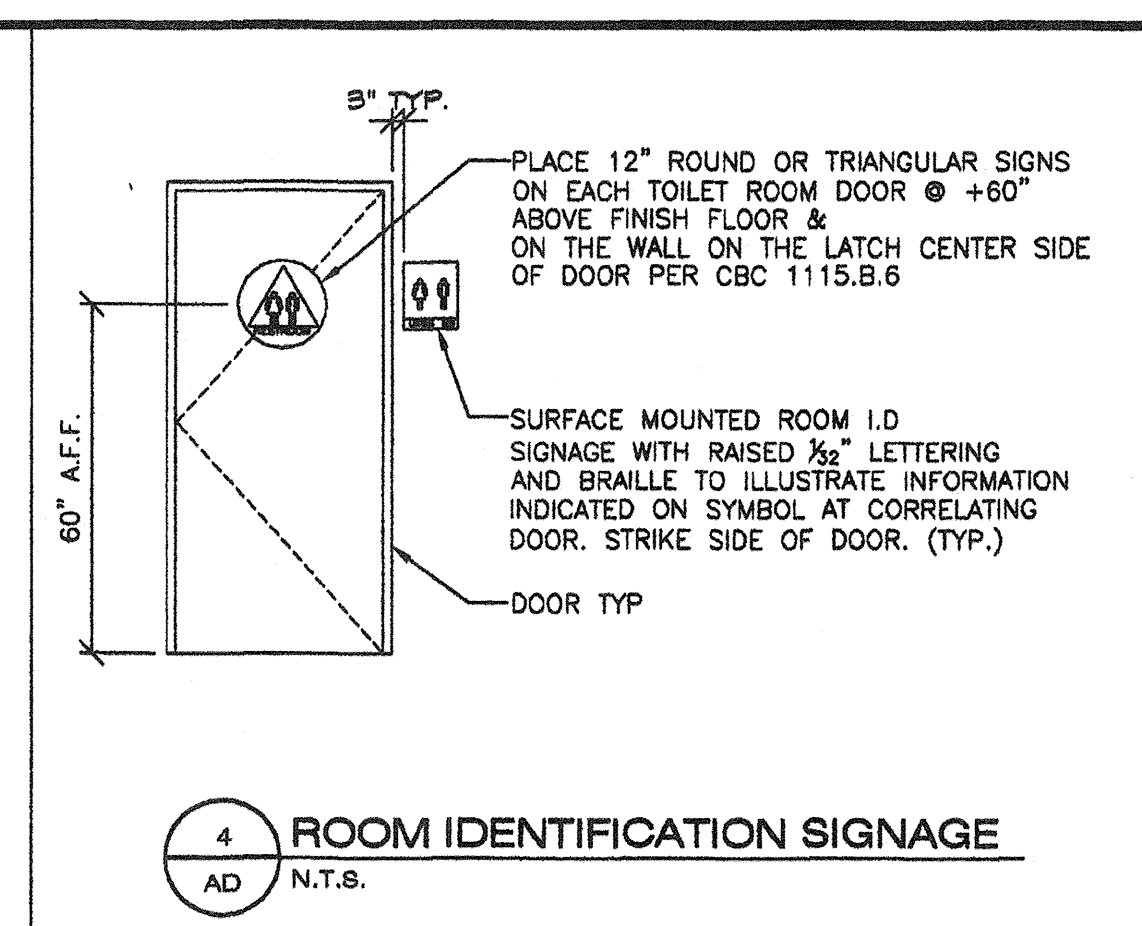
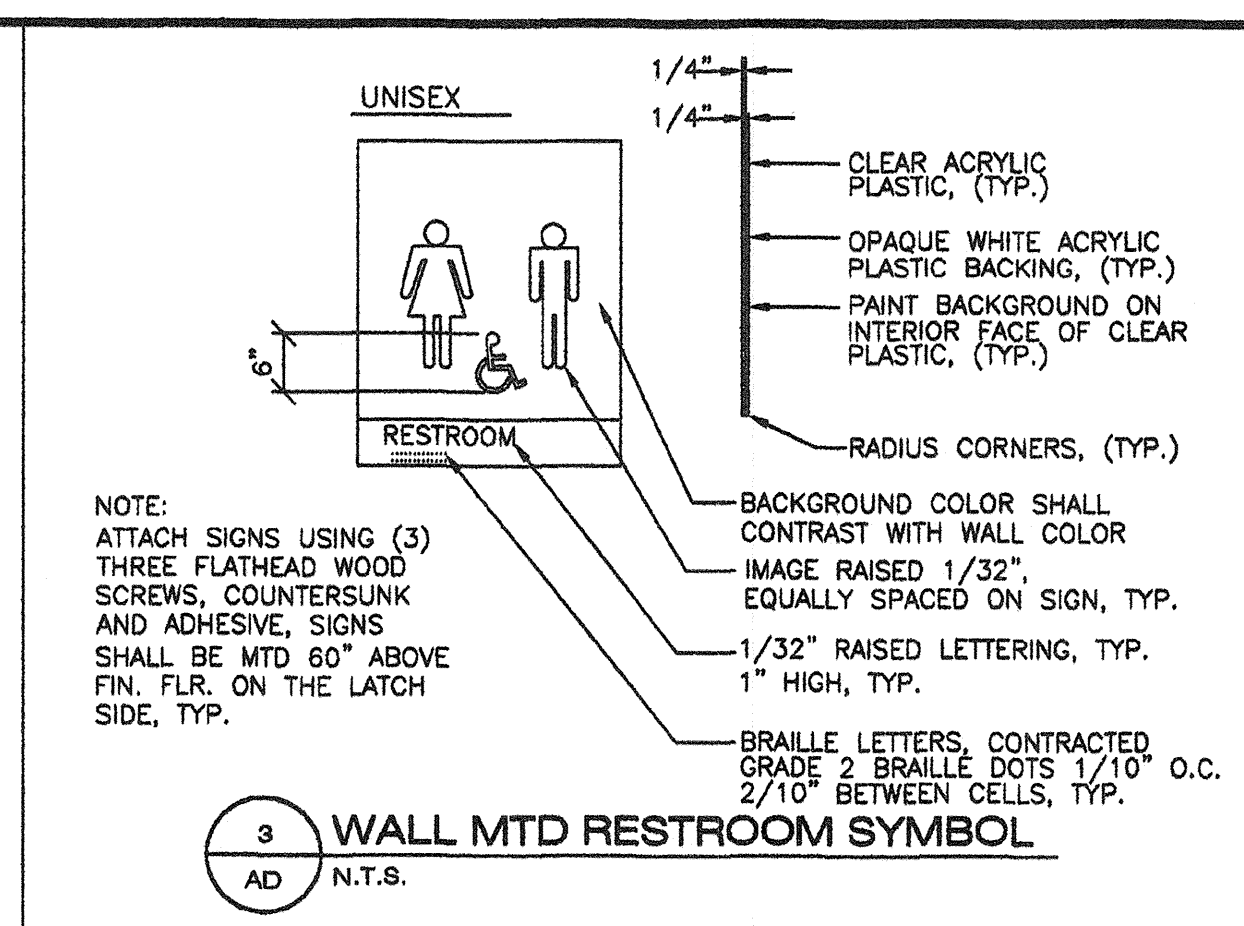
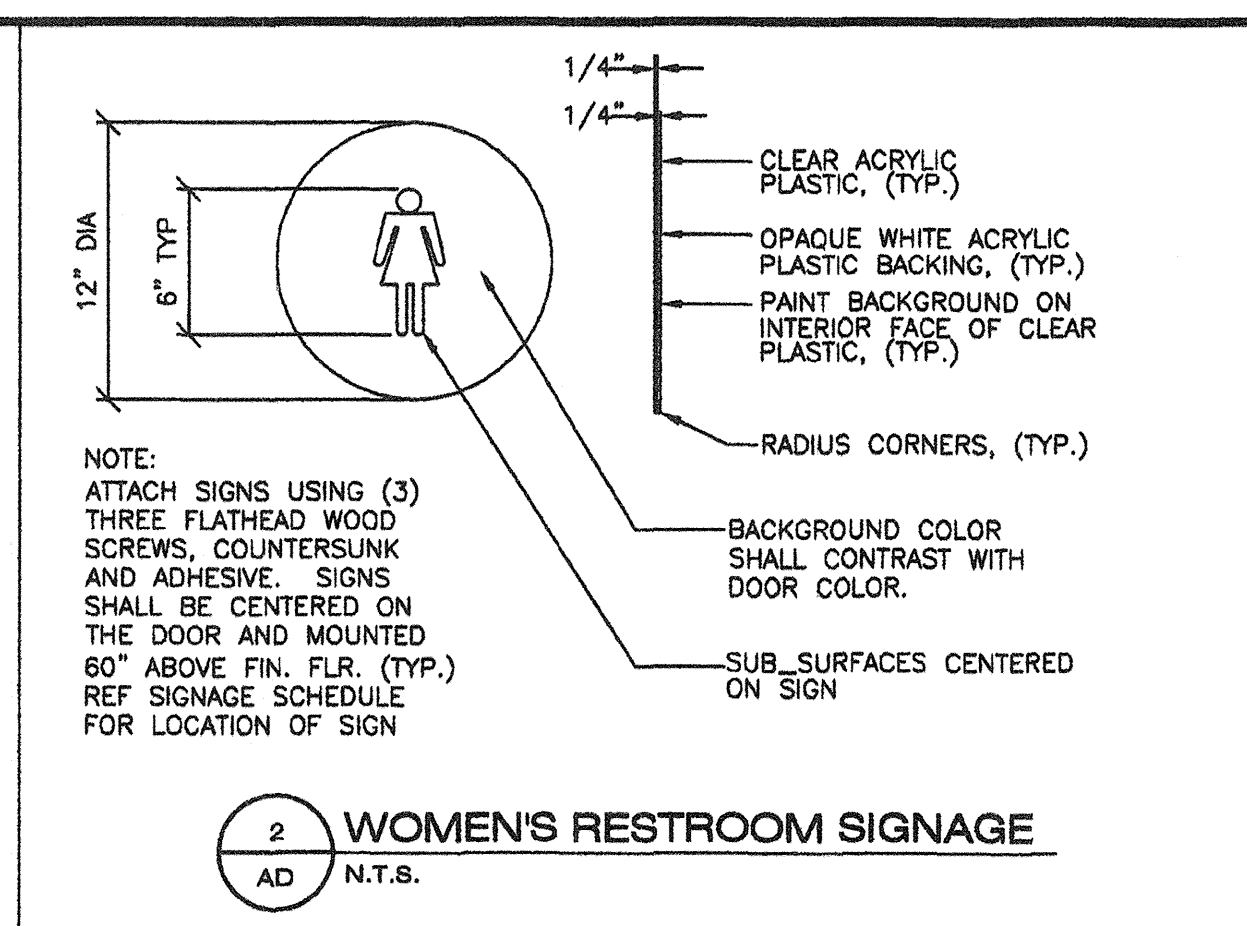
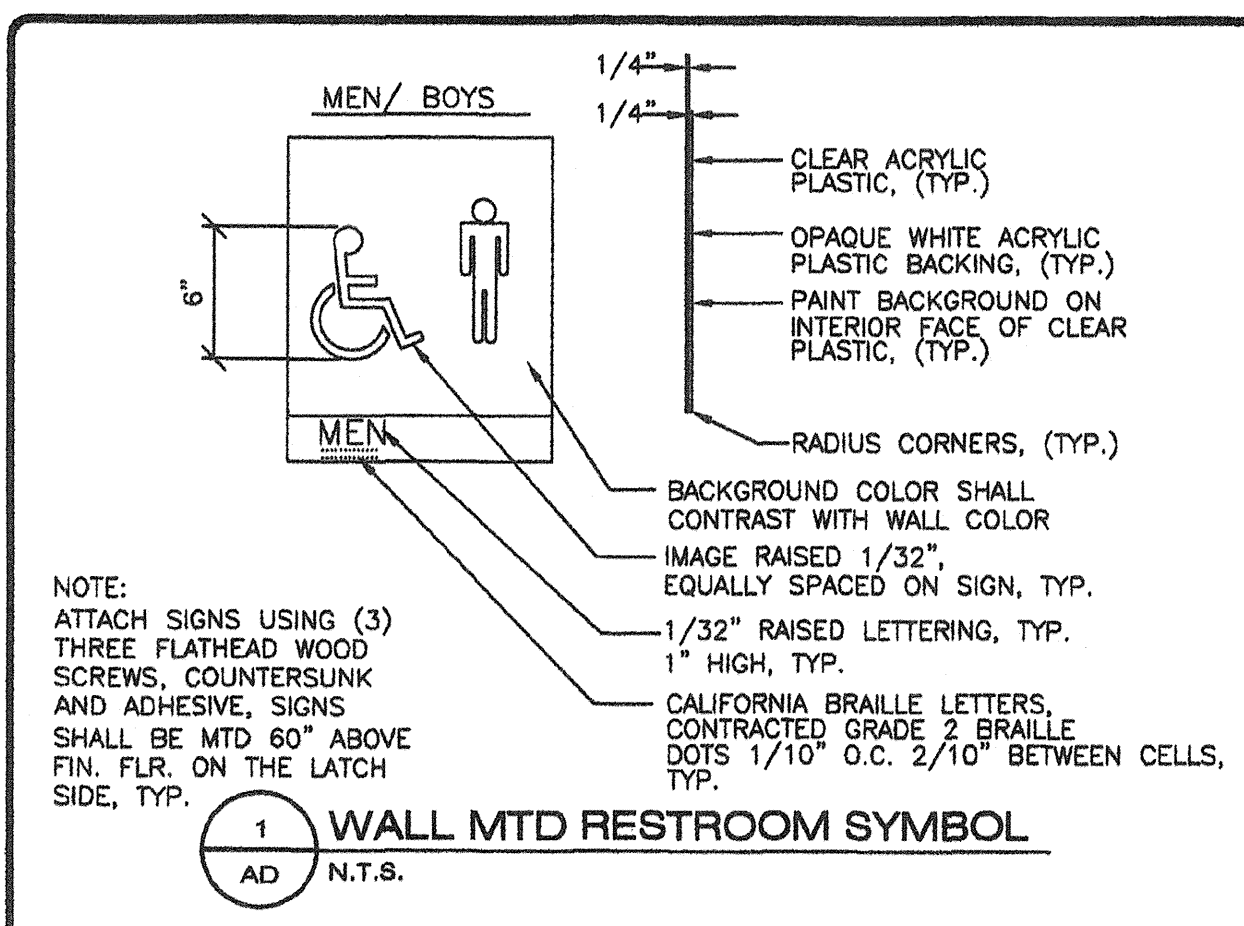


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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03 113549
AC: [Signature]
DATE: 9-2-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
AC: [Signature]
DATE: 3/27/09

PROJECT No.
A5A

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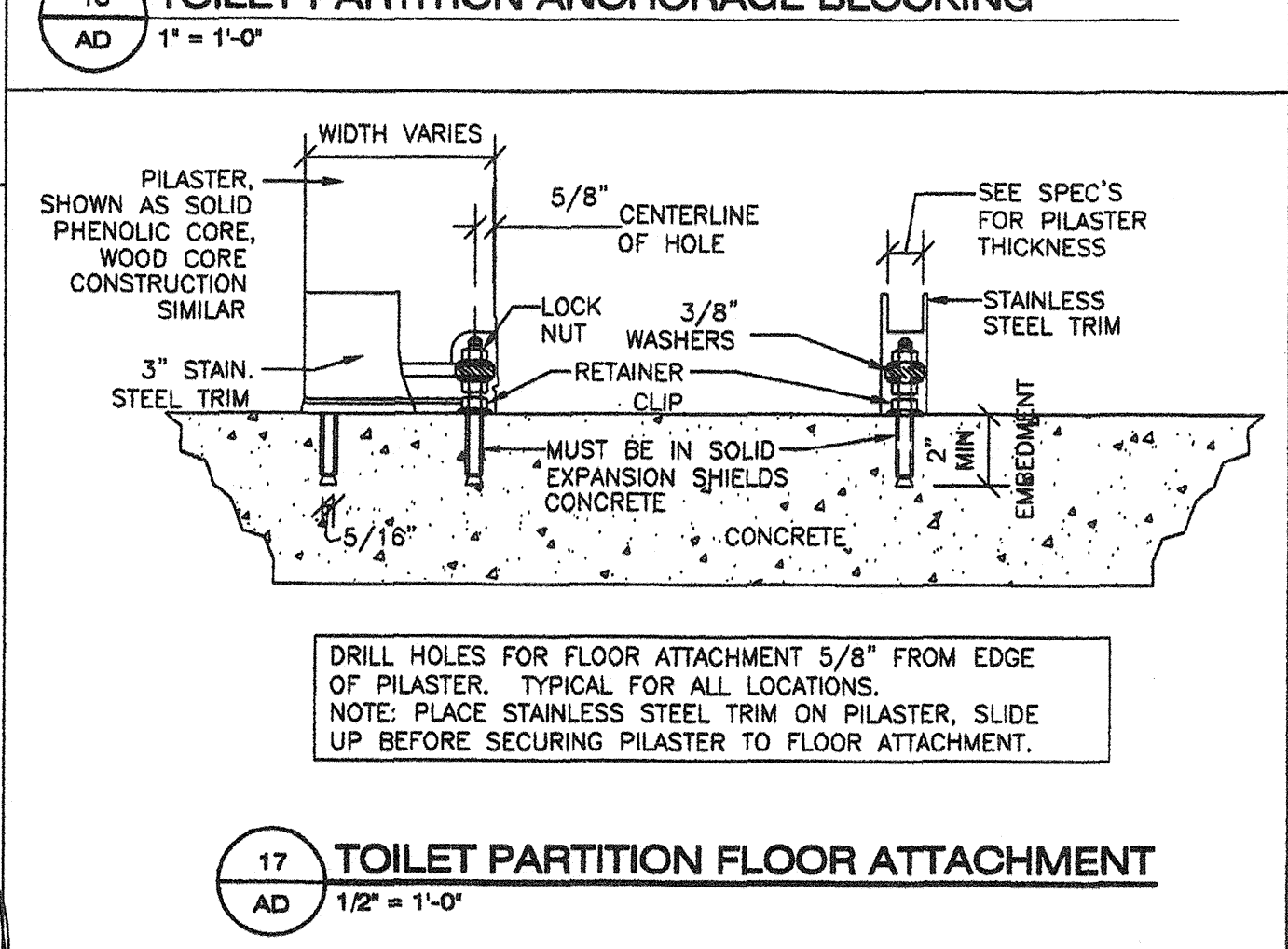
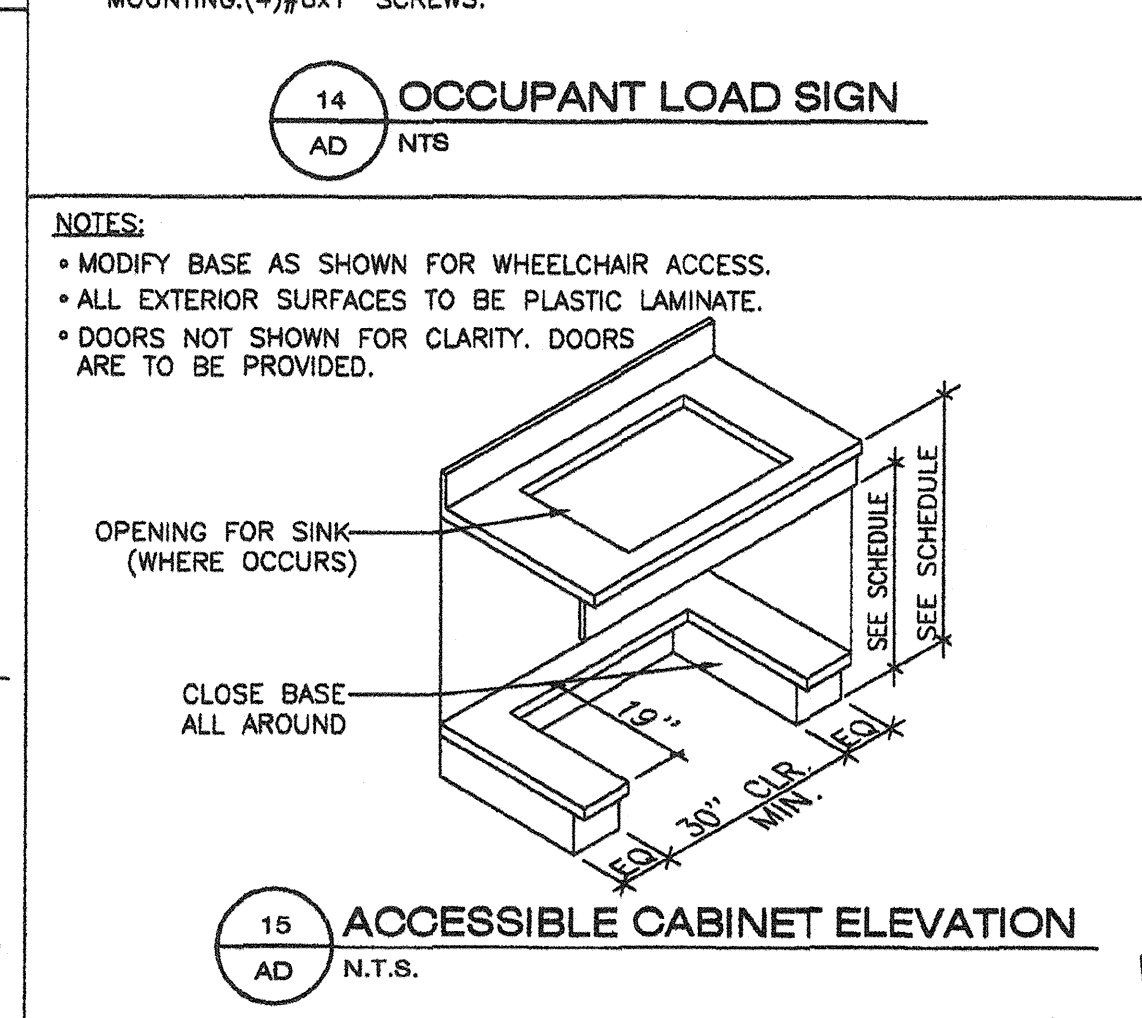
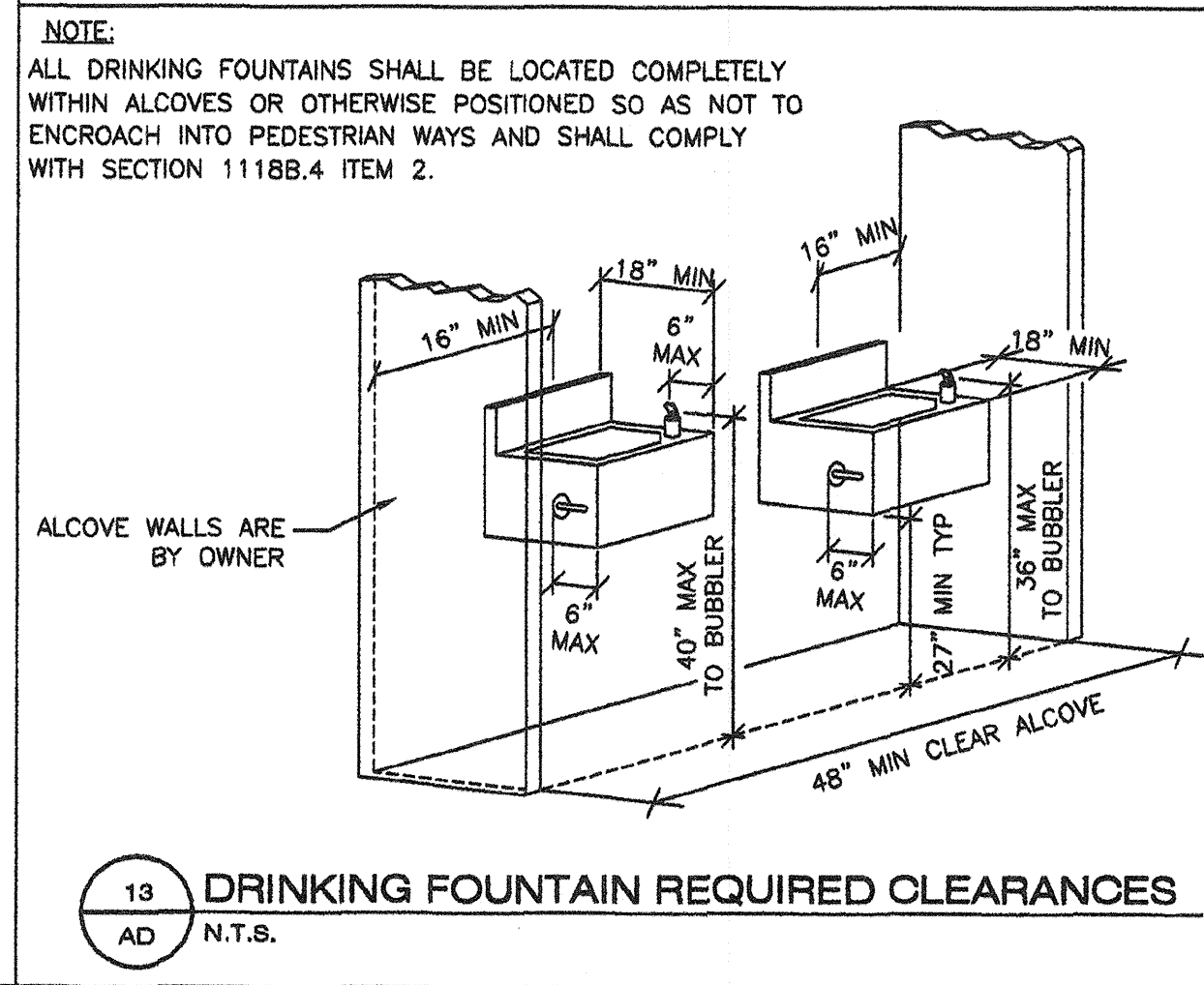
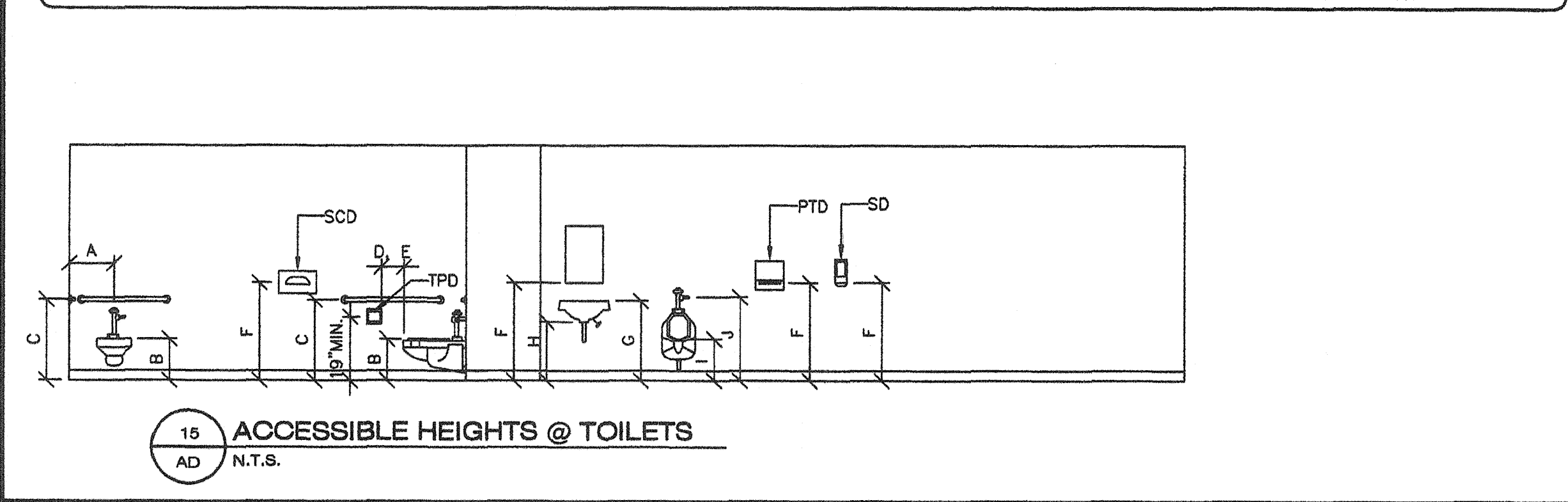
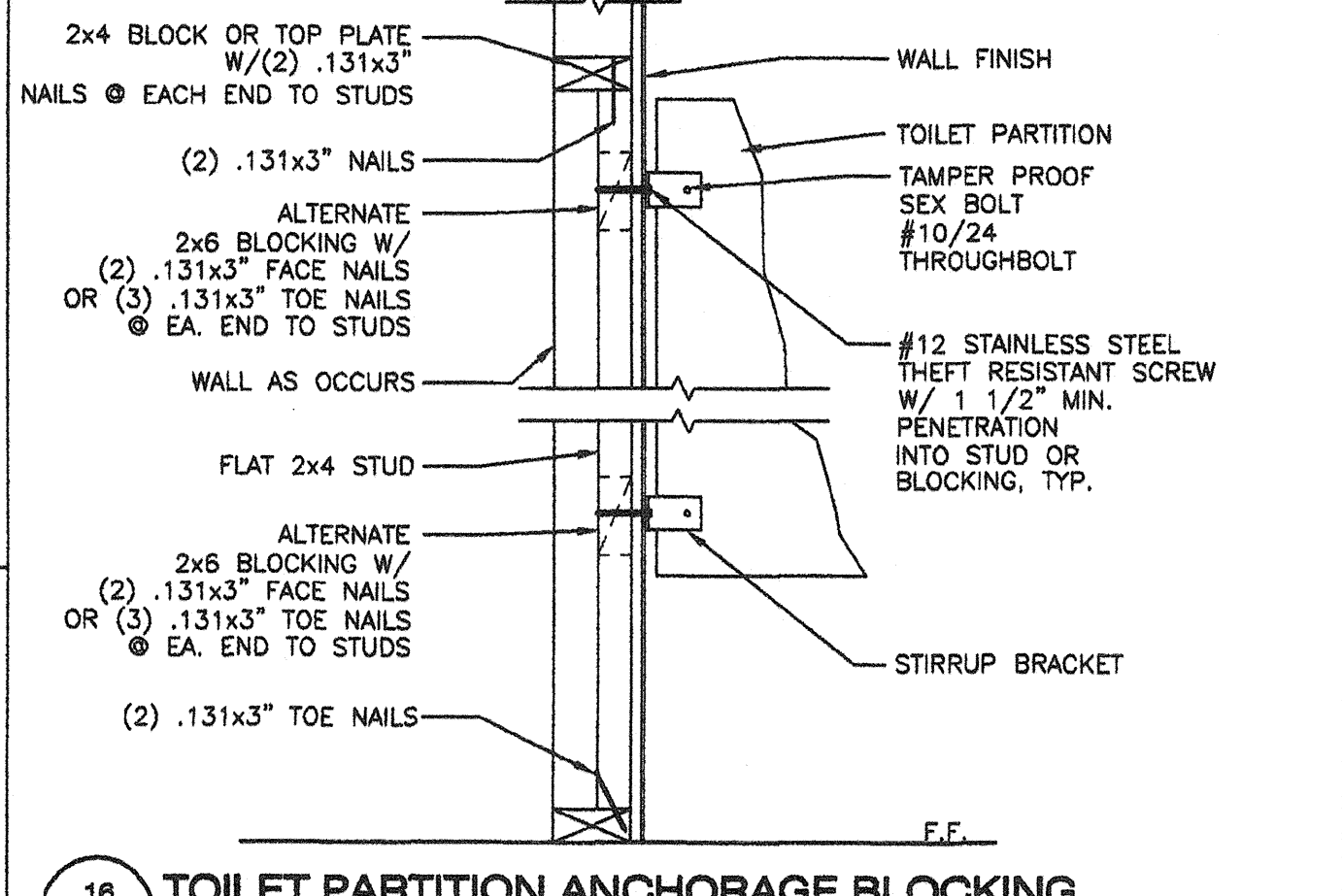
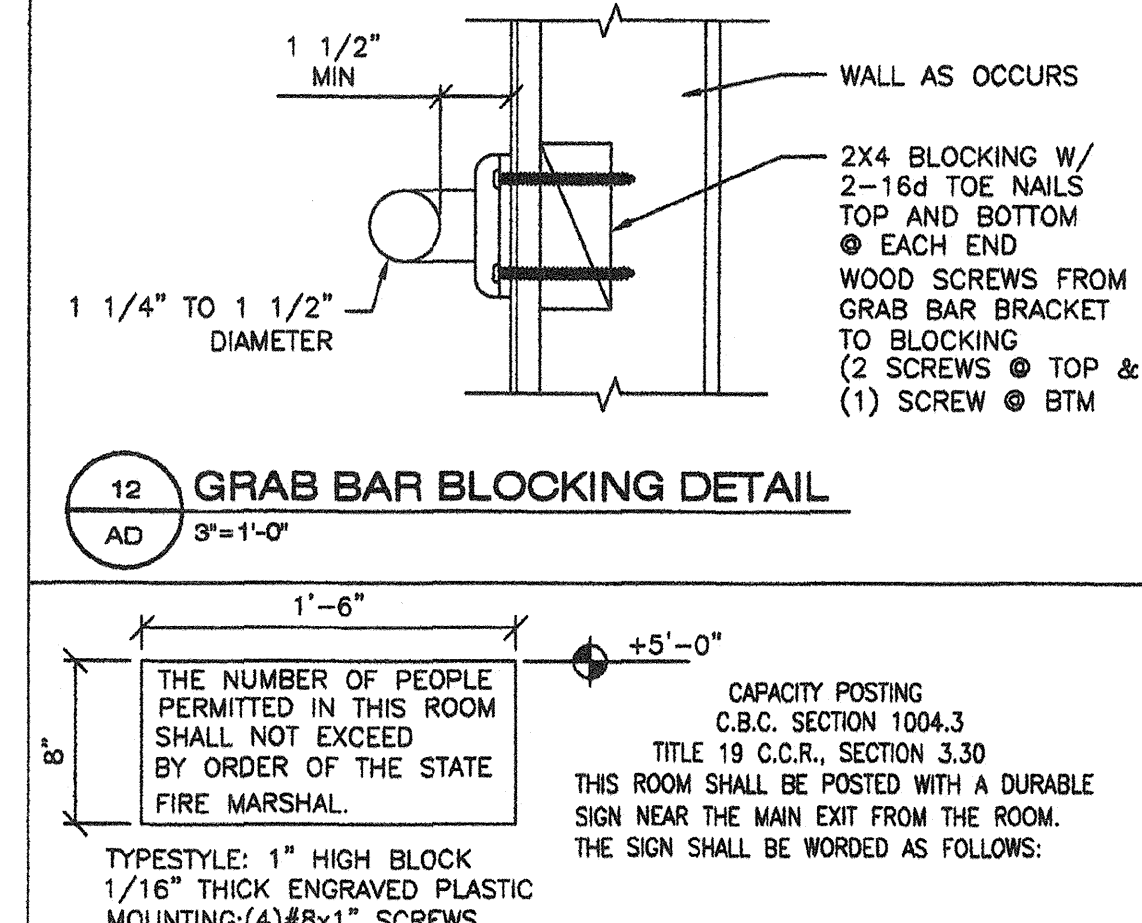
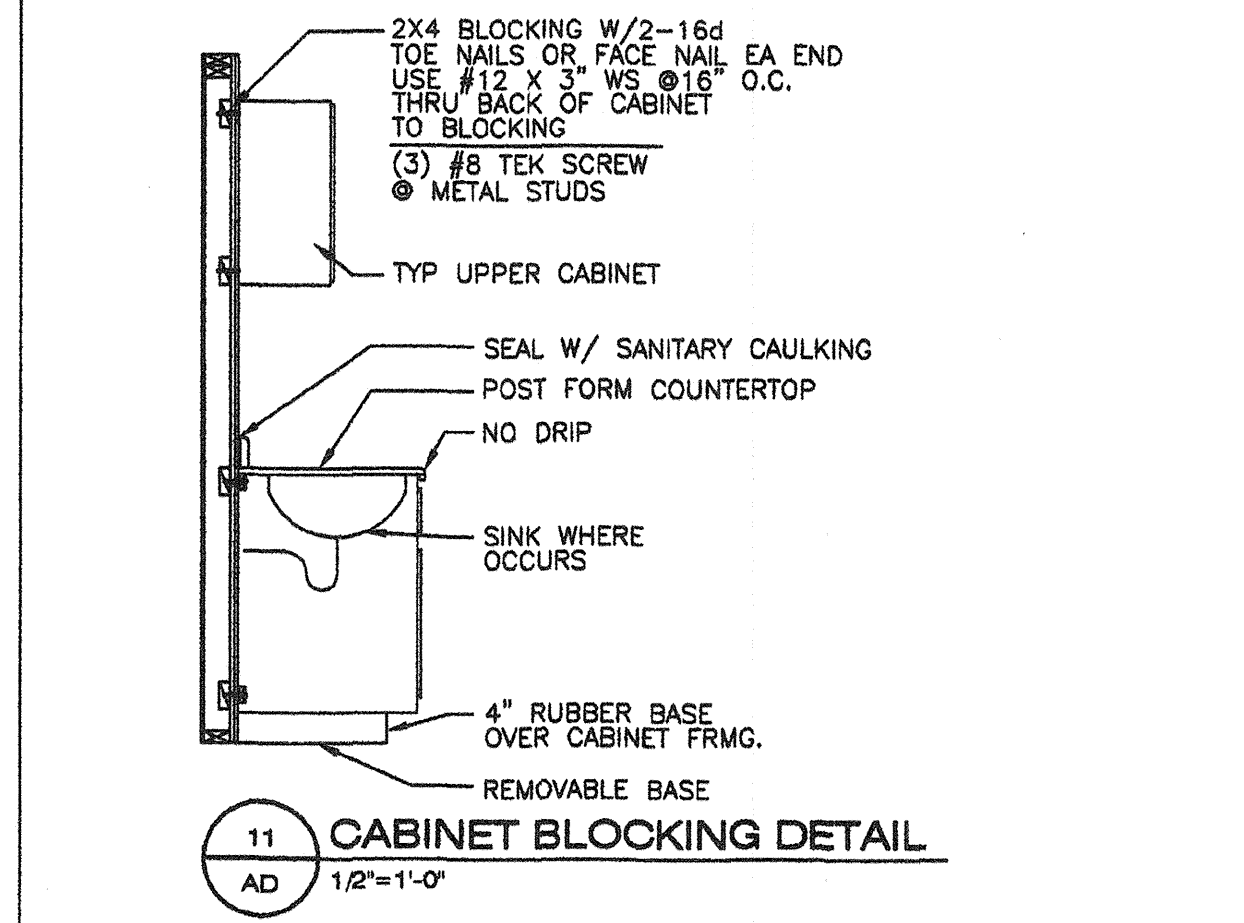
DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES				
FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION	REMARKS
A TOILET CENTERLINE FROM WALL	18"	15"	12"	FLUSH VALVE TO WIDE SIDE OF STALL TYP
B TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"	
C GRAB BAR HEIGHT	33"	27"	20"-22" ABOVE SEAT *	36" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP) (ALLOWED @ 36" A.F.F. @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
D TOILET PAPER DISPENSER IN FRONT OF TOILET (TPD)	12" MAX.	6" MAX.	6" MAX. **	12" IN FRONT OF TOILET ROLL PAPER HOLDER WITHOUT STOPS
E NAPKIN DISPOSAL IN FRONT OF TOILET (SND)	12" MAX.	12" MAX.	N/A	24" IN FRONT OF TOILET (BY OWNER)
F DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.	
G LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.	WRAP DRAIN WATER IF HOT WATER OCCURS
H LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	19" MIN.	
I URINAL LIP HEIGHT	17" MAX.	15" MAX.	13" MAX.	
J URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX.	32" MAX.	
K DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX.	30" MAX.	
L DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.	
M RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"	

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

NOTE: 1. ALL ITEMS ON THIS SCHEDULE DO NOT NECESSARILY OCCUR IN THE PROJECT
 2. HEIGHTS NOTED ON INTERIOR ELEVATIONS SHALL GOVERN OVER THOSE SHOWN HERE.

SCD = SEAT COVER DISPENSER TPD = TOILET PAPER DISPENSER
 PTD = PAPER TOWEL DISPENSER SND = SANITARY NAPKIN DISPOSAL (WHERE APPLICABLE)
 SD = SOAP DISPENSER (ALL TOILET ACCESSORIES ARE N.I.C.)

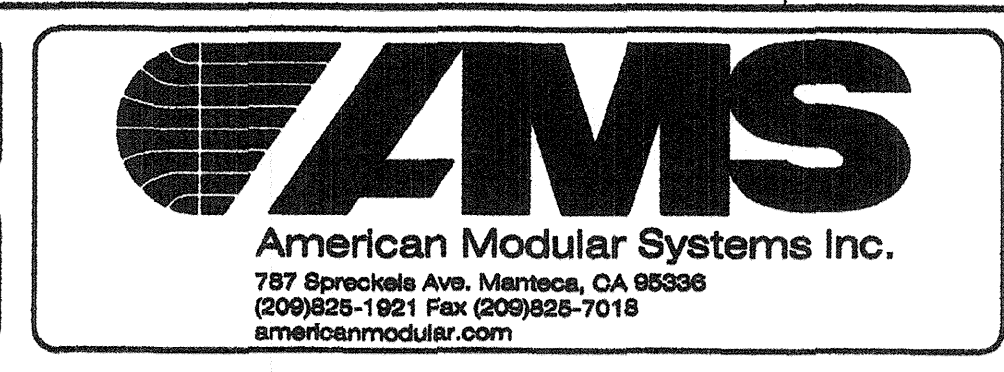
THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION



REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 12/02/04
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:
 2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE CLASSROOMS
 ACCESSIBLE DETAILS



APPROVALS:

PROJECT No. PC
 IDENTIFICATION STAMP: DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
 No. C12631
 DATE: 3/2/2009
 IDENTIFICATION STAMP: DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
 PC 02-109695
 DATE: 3/2/2009
 AD-C

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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 2007 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
- SCOPE OF WORK
 - THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
 - ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
 - GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
 - INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
 - ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
 - OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 - CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 - THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 - ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 - EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 - ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 - SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 - THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
 - ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

- ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF FOR WOOD FOUNDATIONS, 1500 P.S.F. FOR CONCRETE FOUNDATIONS EMBEDDED 12" MIN BELOW GRADE.
 - 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.

WORK NOT INCLUDED:

- ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, 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.

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 1704A.3.1 WELDING ELECTRODE SHALL BE E70XX. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURE CERTIFICATIONS.
 - STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-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 CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO BOLT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
- 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.
- TESTS
 - PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2, CCR SECTION 2212A.1

SECTION 6A CARPENTRY

- SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
- MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
- JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR #2 OR BETTER 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.
- H.F. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1
- BLOCKING - DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
- SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR OR HEM FIR #2 OR BETTER PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.11.2 EACH PIECE SHALL BEAR ANWPB STAMP. ANPA STANDARD U1 T1 GROUND CONTACT, D.F. OR H.F. #2 ABOVE GROUND.
- MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, PER 2007 CBC 17-1 FOR KRAFT, 32-1 FOR FELT.
- STUDS - S4S DOUG FIR #2, OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
- FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.9.1.1 COMMON NAILS FOR EXT. SIDING & FNDN. ONLY.
- BUILDING TRIM - 2X RESAWN SELECT D.F., H.F., OR CEDAR
- DOOR/WINDOW TRIM - 1X4 RESAWN D.F., H.F., OR CEDAR.
- FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
- FIRE BLOCKS SHALL CONFORM TO CBC SECTION 717
- 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, CALIFORNIA BUILDING CODE, TABLE 2304.9.1
 - 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.
 - NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.

- 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"x3" CONVOLUTED 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 85 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
- MATERIALS
 - ROOFING - 1 1/4" INCH STANDING SEAM MIN 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (690).
 - ALTERNATE: ROOFING - 3 INCH STANDING SEAM MIN 20-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (690).
 - ROOFING: CLASS B FIRE RATING

SECTION 7J SEALANT

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

SECTION 8 CONCRETE

- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-05
- THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:
SLABS ON GRADE & FOUNDATIONS 2500 PSI (150 PCF)
CONCRETE OVER METAL DECK 3000 PSI (110 PCF) OR (150 PCF)
- REINFORCING SHALL CONFORM TO ASTM A615--GRADE 40 UON.
- CONCRETE COVERAGE SHALL BE AS FOLLOWS. UON ON DRAWINGS: CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)3" CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS.....2" SLABS (ON GROUND).....POSITION IN "CENTER" OF SLAB
- ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UON.
- NOTIFY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

SECTION 8A EXTERIOR PLASTER

- LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER. PER 2507.1
- LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN TABLE 2507.2 AND CHAPTER 35 AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7. PER 2507.2
- GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN TABLES 2508.2 AND 2507.2. THE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2508.1 AND 2511.1, AND CHAPTER 35 PER 2508.1 PROVIDE 2 LAYERS OF GRADE D PAPER PER CBC SECTION 2510.6
- 2510.6 WATER-RESISTIVE BARRIERS. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION 1404.2 AND, WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.
- EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT 60-MINUTE GRADE D PAPER AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.

- GENERAL NOTES
PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5
- THE FIRST COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT.
- THE SECOND COAT SHALL BE BROUGHT OUT TO PROPER THICKNESS, RODED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
- THE FINISH COATS SHALL BE APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926 THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

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

SECTION 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 DUIN: EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR PRIMER 42-9M 1240 Y24W20 289-N
FINISH QD-80-XX 1240-XXX B54WZ102 GE2-NXX
 - FOR INTERIOR TRIM
REF. BRAND DUIN EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR FINISH W450-XX 1650-XXX A26W11 40XX
 - FOR METAL
REF. BRAND DUIN EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR PRIMER 43-4 1710 B50NZ6 15N
FINISH 10-XX 1700-XXX B54WZ102 GE2-NXX
 - WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
 - EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST 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 ALKYL FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
 - RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) 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 PANTS 8010-910-98A DATED JULY 1989. OR EQUAL.
 - SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

- SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS
 - IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
 - THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSPORTED 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.

SECTION 15A AIR CONDITIONING

- SCOPE OF WORK (SEE SHEET M3 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.
- PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYTEM AND NOTIFICATION PER NFPA 72
- MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
- ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX - GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
- PANELBOARDS - FLUSH MOUNTED.
- CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS. TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE - #14.
- RECEPTACLES - AS NOTED. +18" A.F.F. MIN.
- CLOCK RECEPTACLE - AS NOTED.
- SWITCHES - AS NOTED. +48" A.F.F. MAX.
- LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
- WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATER TIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.), (FLEXIBLE CONDUIT S-BEND SEAL TITE)

INSPECTION

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

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

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THE BUILDING(S) 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).

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 12/02/04
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
GENERAL NOTES

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

APPROVALS:

Professional Engineer Seal for State of California, No. C12631, Exp. 2/2011.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
AC. OF. FLS. S.S.S.
DATE: 3/23/2017

PROJECT NO.
N1-C

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:

UP TO (12) 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 NAME AND BUILDING SERIAL 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 EXTERIOR AND ONE ON 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 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.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 ga. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FLET MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45#/cu. ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2-1/8" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4 X 8 PANELS INSTALLED SIDE BY SIDE TO MAKE A 4 X 16 PANEL. CENTERED ON THE LONG WALLS. REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

NOTE:

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

INTERIOR

1. FLOOR: CARPETS - CLASSROOM 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 ARCHITECT AFTER AWARD OF BID. THE CARPET DENSITY SHALL BE 4600 MINIMUM. PILE YARN SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED. PILE HEIGHT 1/2" MAX
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE: PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURED BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD(U.O.N.) 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 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 M2 FOR DETAILS ETC. MATERIALS AND INSTALLATION PER CCR 2501.A.5 AND IR 25-2 INCLUSIVE AS APPLICABLE TO CLASSROOMS.

DOORS & WINDOWS

EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MIN AND REINFORCED WITH 20 GA. MIN. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & CS242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR.

EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LIGHTS OF GLASS AND THE AIR SPACE. GLAZING MATERIAL SHALL BE:

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.

INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED.

MINIMUM AIR SPACE SHALL BE 1/4".

SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OF SILICONE SECONDARY SEAL.

CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.

HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE GLASS SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AIAA GS101-88 VOLUNTARY. SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), COMMERCIAL GRADE.

HARDWARE

1. EXTERIOR DOOR
 - A) HINGES: HAGER 4-1/2X4-1/2 BUTTS, BB1279 US260, 1-1/2 PAIR EACH DOOR WITH SET SCREW IN BARREL AND BALL BEARING DESIGN, OR APPROVED EQUAL.
 - B) EXTERIOR LOCKSET: SCHLAGE N070P CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. OR PANIC BARS/PULL HANDLE PANIC BAR TYPE VON DUPRIN 22L (PULL ON EXT.) OR CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. PANIC BARS ARE ONLY REQUIRED WHERE THE OCCUPANT LOAD IS 50 OR MORE.
 - C) CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. MAXIMUM 5 LBS FOR EXTERIOR AND INTERIOR DOORS. THE MAXIMUM EFFORT FOR FIRE DOORS MAY BE INCREASED TO THE MAXIMUM ALLOWED BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS. THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES SHALL BE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
 - 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.
 - D) INTERIOR LOCKSET: SCHLAGE LEVER HANDLE LOCKSET, AS FOLLOWS:

STUDENT TOILETS	S10A PASSAGE LATCH OR EQUAL
OFFICES	S70D CLASSROOM LOCKSET OR EQUAL
CUSTODIAL	S80A LOCKSET OR EQUAL
PUBLIC TOILETS	S40A PRIVACY LATCHSET OR EQUAL

FIRE EXTINGUISHER

1. EACH PORTABLE CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. TO BE MOUNTED ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE MOUNTING BRACKET AND THE BOTTOM OF FE MOUNTED 27" AFF. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR) SEC. 1103B.1 BUILDING ACCESSIBILITY, GENERAL.

THE 2007 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR. TABLE 1115B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE.

THE 2007 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.

SECTION 1115B.3.1 ACCESSIBLE WATER CLOSET COMPARTMENT. THE 2007 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES.

SECTION 1115B.4.4.4. WATER CONTROLS THE 2007 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL).

SECTION 1117B.5 SIGNS AND IDENTIFICATION (ALSO REFER TO SECTIONS 1115B.6, 1116B, 1007.6.5 1007.7, 1008.1.8.6, 1011.3, 1020.1.5 & 1020.1.6.1-5

THE 2007 CBC MAKES SEVERAL GENERAL DESIGN CHANGES AND CLARIFICATIONS TO SIGNAGE.

*ALL GROUND FLOOR EXIT DOOR SHALL HAVE TACTILE EXIT SIGNAGE.

*AT STAIRS, EACH FLOOR SHALL RECEIVE TACTILE "STAIR LEVEL" SIGNAGE IN ADDITION TO SPECIAL TACTILE AT THE EXIT DISCHARGE LEVEL.

*EACH EXIT DOOR THAT LEADS TO A GRADE LEVEL EXIT BY MEANS OF A STAIRWAY SHALL HAVE TACTILE EXIT SIGNAGE.

*EACH EXIT ACCESS DOOR TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN SHALL BE IDENTIFIED BY TACTILE EXIT SIGNAGE.

SECTION 1129B ACCESSIBLE PARKING REQUIRED.

THE 2007 CBC REQUIRES THE WORDS "NO PARKING", IN 12" HEIGHT WHITE LETTERS, TO BE PAINTED ON THE PAVEMENT WITHIN ALL PARKING SPACE ACCESS AISLES. VAN PARKING ACCESS AISLES SHALL BE PLACED ON THE PASSENGER SIDE OF THE VEHICLE. RAMP MAY NOT ENCRoACH INTO ANY REQUIRED ACCESS AISLE. PARKING SPACE ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.

*EXISTING SITES: AT EXISTING SITES, ANY RAMP WHICH EXCEEDS A 2% SLOPE ACCESS AISLES FOR ACCESSIBLE PARKING SPACES PER CBCS SECTION 1129B, MAY REQUIRED REMOVAL AND REDESIGN PER THE PATH OF TRAVEL (POT) PROVISIONS OF CBCS SECTION 1134B, IN ORDER TO APPROVE THE BUILDING PLACEMENT.

SECTION 1133B.2.5 CLOSER EFFORT TO OPERATE DOORS. THE 2007 CBC REQUIRES THAT THE EFFORT TO OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 5 POUNDS (PULL).

THE 2007 CBC REQUIRES THAT THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 3 SECONDS MAXIMUM, BASED ON AN OPEN DOOR POSITION OF 70 DEGREES (FROM CLOSED), TO A DOOR POSITION OF 3" FROM THE LATCH.

SECTIONS 1133B.2.4.5 & 1133B.2.5.3 RECESSED DOORS. THE 2007 CBC REQUIRES THAT DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-33 (A).

SECTION 1133B.4.2.4 HANDRAIL ORIENTATION. THE 2007 CBC SPECIFIES THAT AT LEAST ONE HANDRAIL SHALL BE PARALLEL TO THE DIRECTION OF THE STAIR RUN, AND PERPENDICULAR TO THE EDGE OF THE STAIR NOSING.

SECTION 1133B.5.2 RAMP WIDTH: MINIMUM 48" CLEAR AT OCCUPANT LOAD 300 OR LESS, 60" CLEAR AT OCCUPANT LOAD MORE THAN 300. RADIUS MINIMUM OF 0.125"

THE 2007 CBC REQUIRES THAT SIGN EDGES LESS THAN 80" ABOVE THE FINISHED FLOOR MUST CONTAIN ROUNDED OR EASED RADIUS MINIMUM OF 0.125"

THE PROJECT PLANS OR SPECIFICATIONS SHALL INDICATE THE REQUIREMENT THAT THE MANUFACTURER SHALL PROVIDE A WRITTEN FIVE-YEAR PRODUCT WARRANTY, IN ACCORDANCE WITH THE BULLETIN.

LIGHT GAUGE METAL STUDS

1. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE 2001 AISI/COS/ANSI.
2. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A 653
3. GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653. PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED AND ORDERED TO BE IN CONFORMANCE WITH ASTM C-955 OTHERWISE, G-40 OR EQUIVALENT COATING WILL BE PROVIDED.

METAL FLOOR DECK

1. SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI " SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION."
2. METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1 AND D1.3 "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES."
3. ASTM REFERENCE NUMBERS: A) ASTM A653, STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
5. METAL FLOOR DECK TO BE ASC STEEL DECK
 1. B-36, 18 GAUGE
 - 1 1/2" DEEP X 36" WIDE
 2. N-24, 18 GAUGE
 - 3" DEEP X 24" WIDE
6. DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO ASTM A653, Fy=38 KSI WITH A GALVANIZED COATING, G-60 OR G-90.

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 01/20/09

SCALE: NOTED

DRAWN BY: RL

SERIAL NO.:

CUSTOMER:

2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE CLASSROOMS

GENERAL NOTES



APPROVALS:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

03 118549

AC [Signature] 9-2-2010

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

PC 02-109895

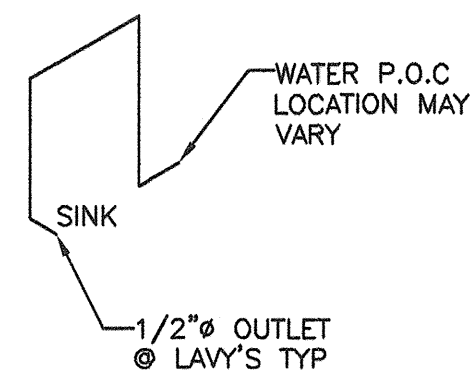
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DATE: 3/23/2009

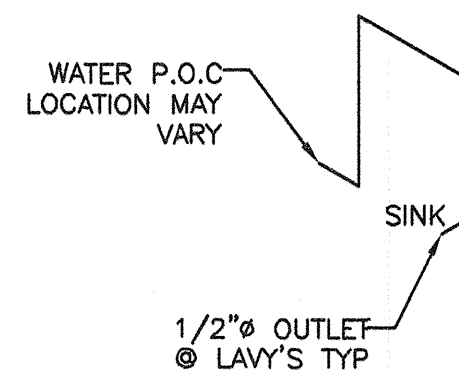
PROJECT No.

N2-C

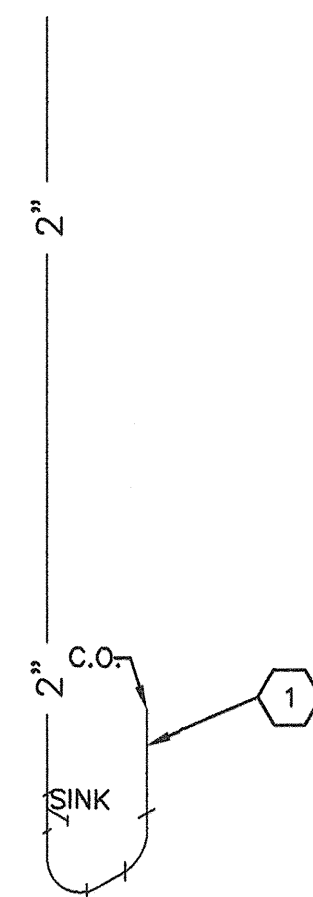
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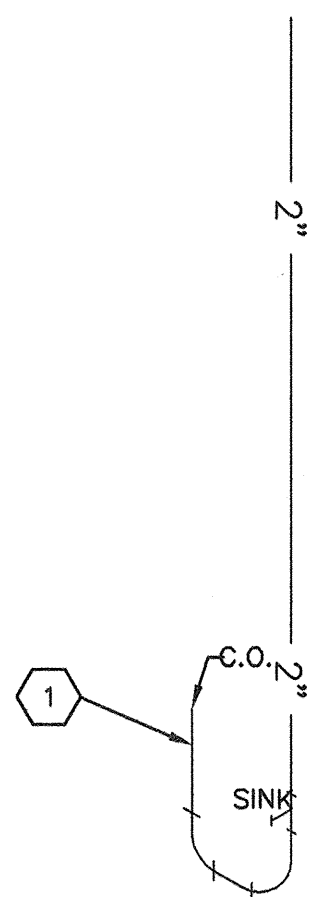
A WATER SUPPLY ISOMETRIC
P1 NO SCALE



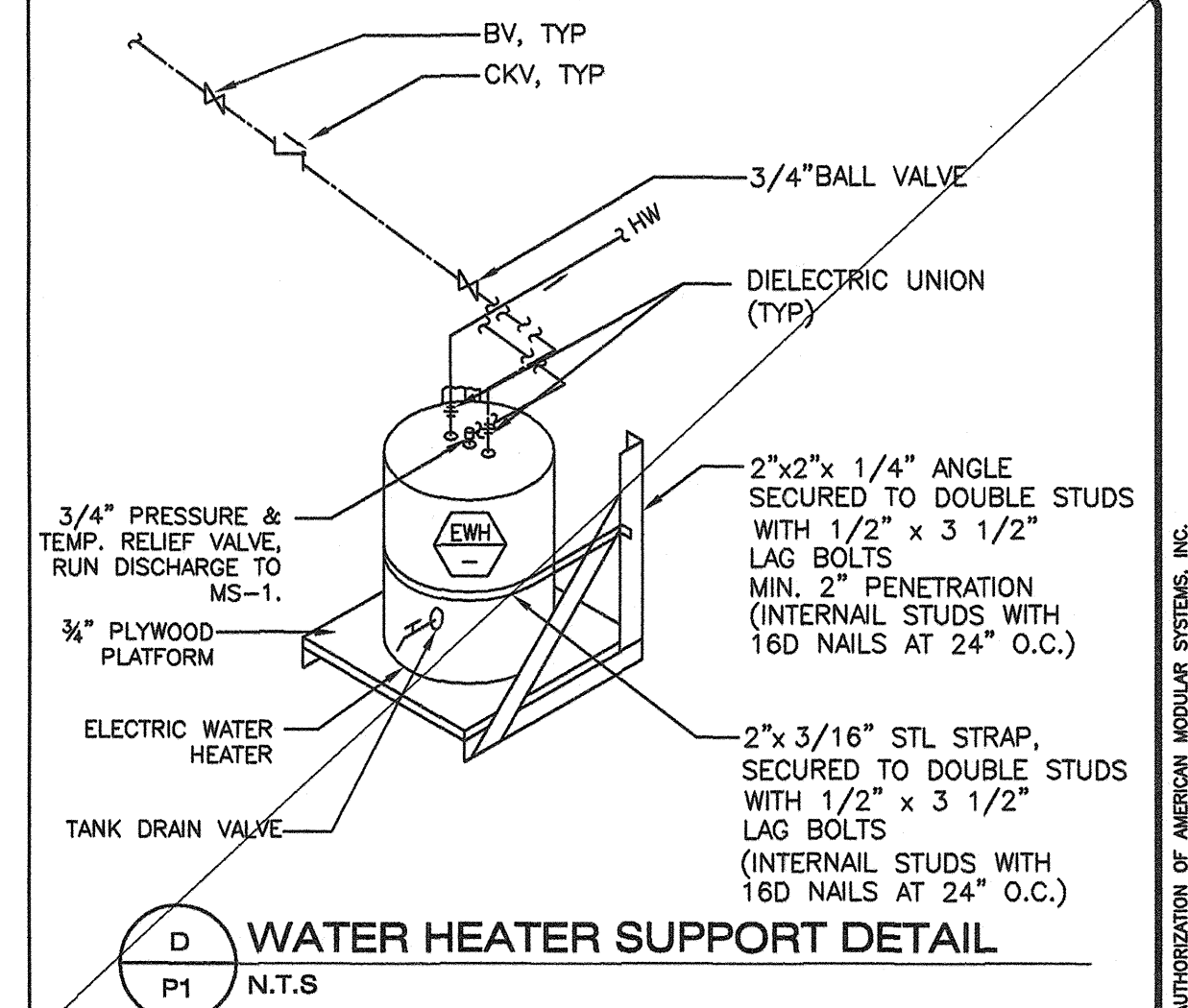
A.1 WATER SUPPLY ISOMETRIC
P1 NO SCALE



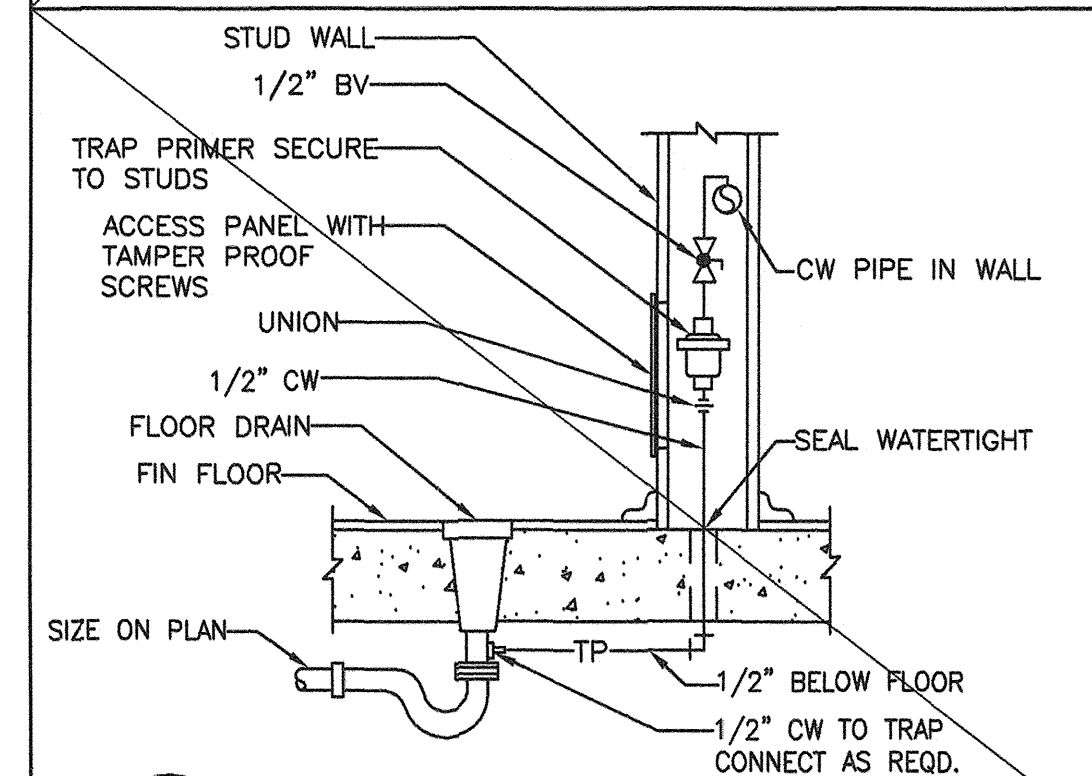
B WASTE ISOMETRIC
P1 NO SCALE



B.1 WASTE ISOMETRIC
P1 NO SCALE

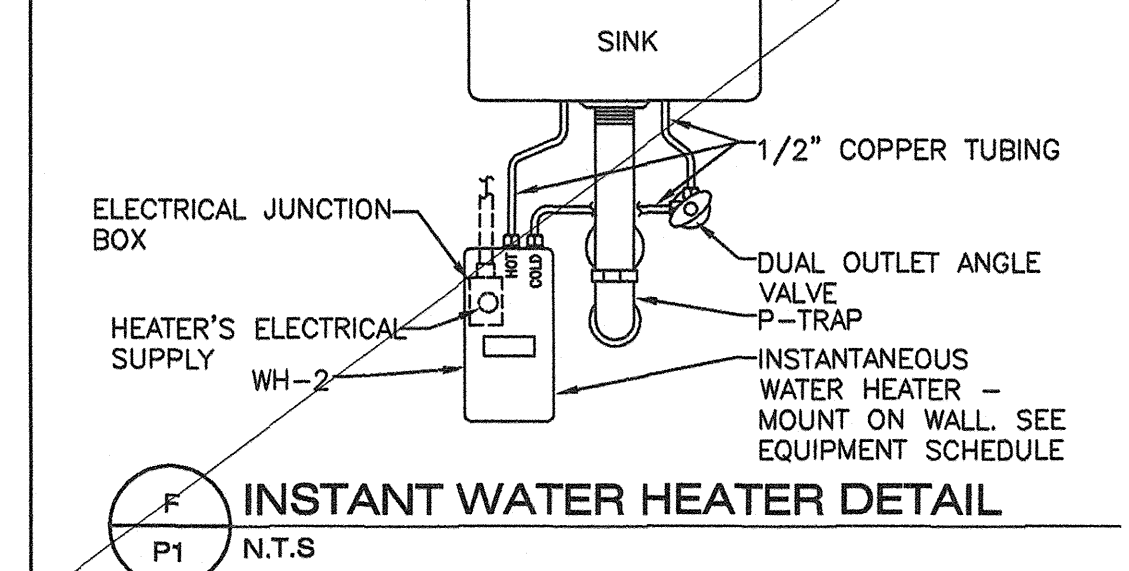


D WATER HEATER SUPPORT DETAIL
P1 N.T.S



E TRAP PRIMER DETAIL
P1 N.T.S

NOTE:
INSULATE HOT WATER SUPPLY AND DRAIN PIPING AT ACCESSIBLE LAVATORIES WITH HAND-LAV GUARD KITS AS MANUFACTURED BY "TRUEBRO" INC.
FAUCET SHALL BE FLOW RESTRICTED TO MATCH FLOW CONTROL



F INSTANT WATER HEATER DETAIL
P1 N.T.S

SHEET NOTES

- DWV PIPING SHALL BE ABS PLASTIC
- COLD WATER SUPPLY SHALL BE TYPE L COPPER
- DWV PIPING:
MIN SLOPE 1/4" PER FOOT
MAY SLOPE 4" CI @ 1/8" PER FOOT
VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 3 FT. ABOVE ANY WINDOW, DOOR, AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3FT. IN EVERY DIRECTION FROM ANY LOT LINE, ALLEY AND STREET EXCEPTED; EXTEND 6" ABOVE THE ROOF

BASED ON PC# 02-109685

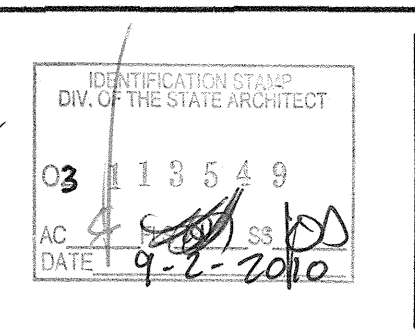
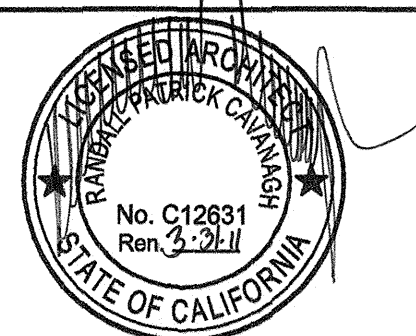
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
ISOMETRIC PLANS & DETAILS

APPROVALS:



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: FLS: SS
DATE:

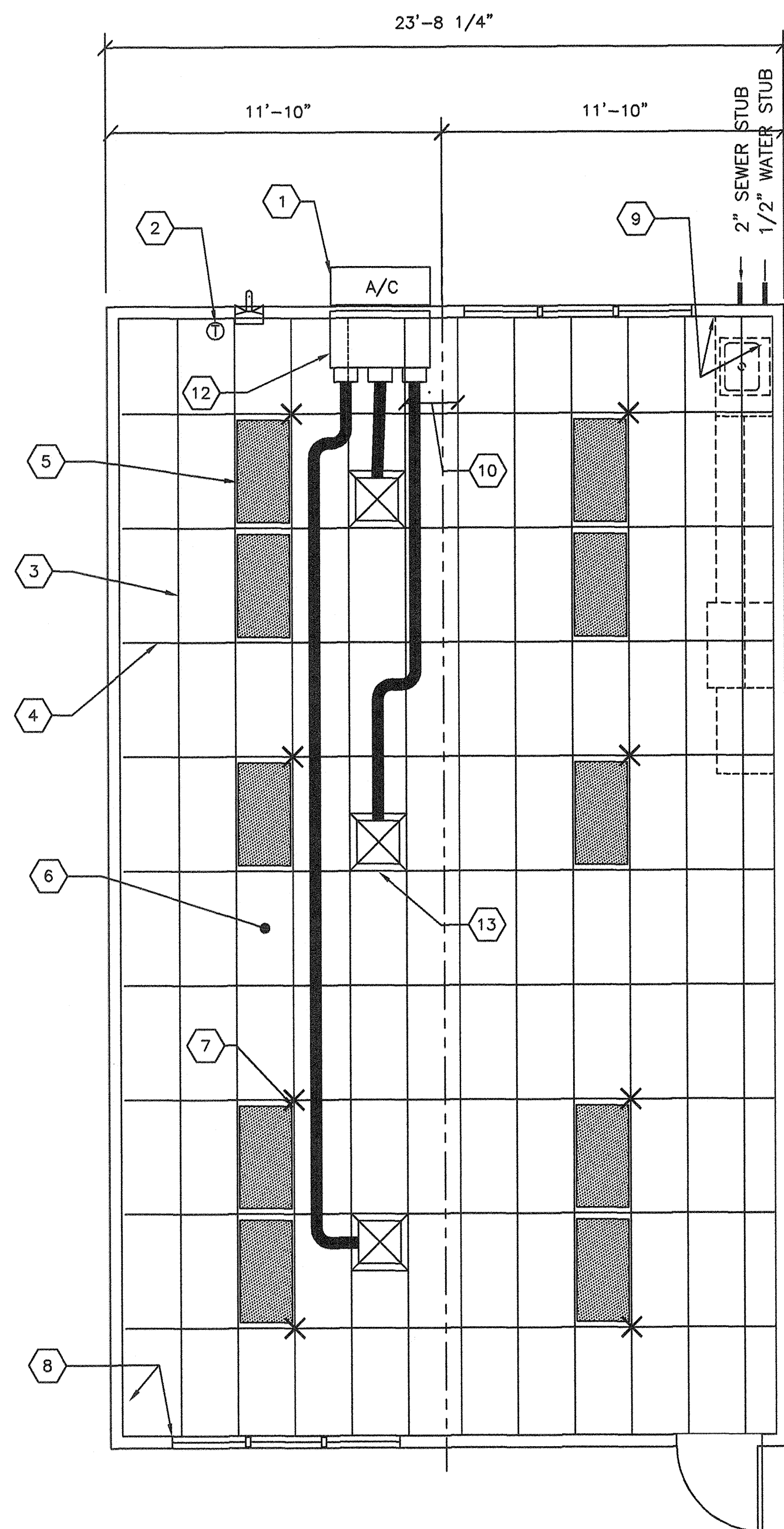
PROJECT NO.
P1-C

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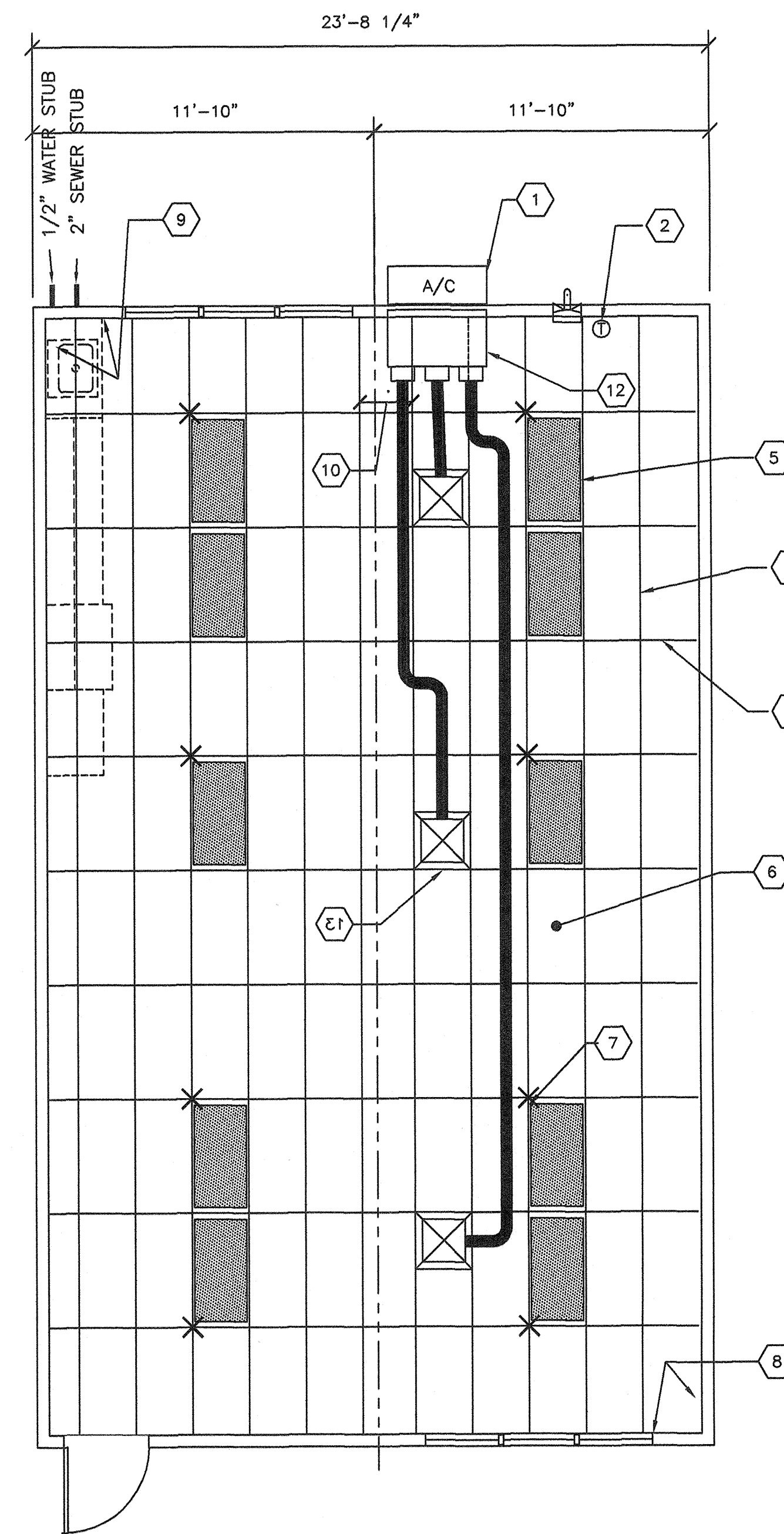
- SHEET NOTES -

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

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



1 TYPICAL REFLECTED CEILING PLAN
M1 1/4"=1'-0"



2 TYPICAL REFLECTED CEILING PLAN
M1 1/4"=1'-0"

BASED ON PC 02-109695

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOLS
24' x 40' RELOCATABLE BUILDINGS
TYPICAL REFLECTED CEILING PLAN

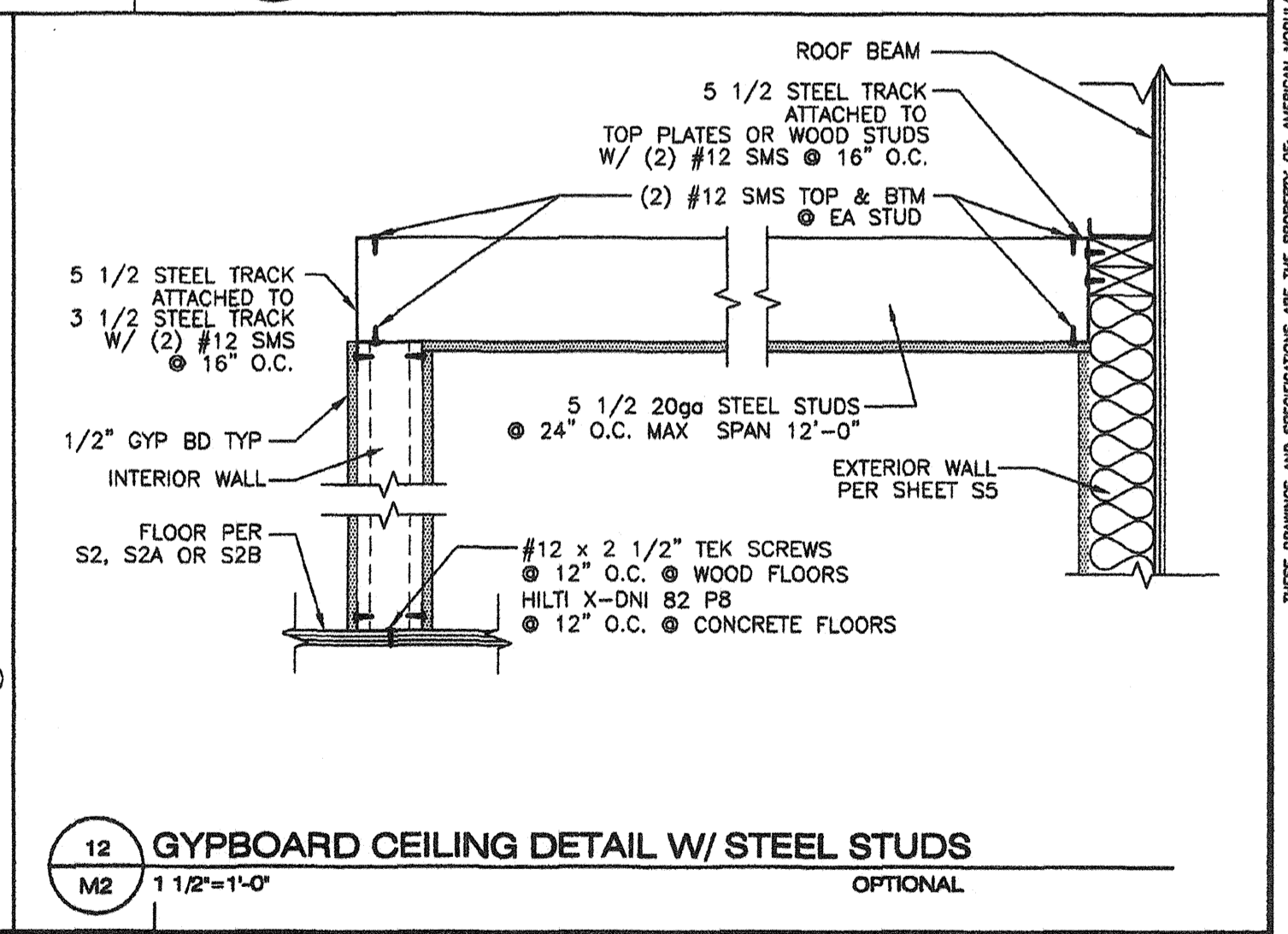
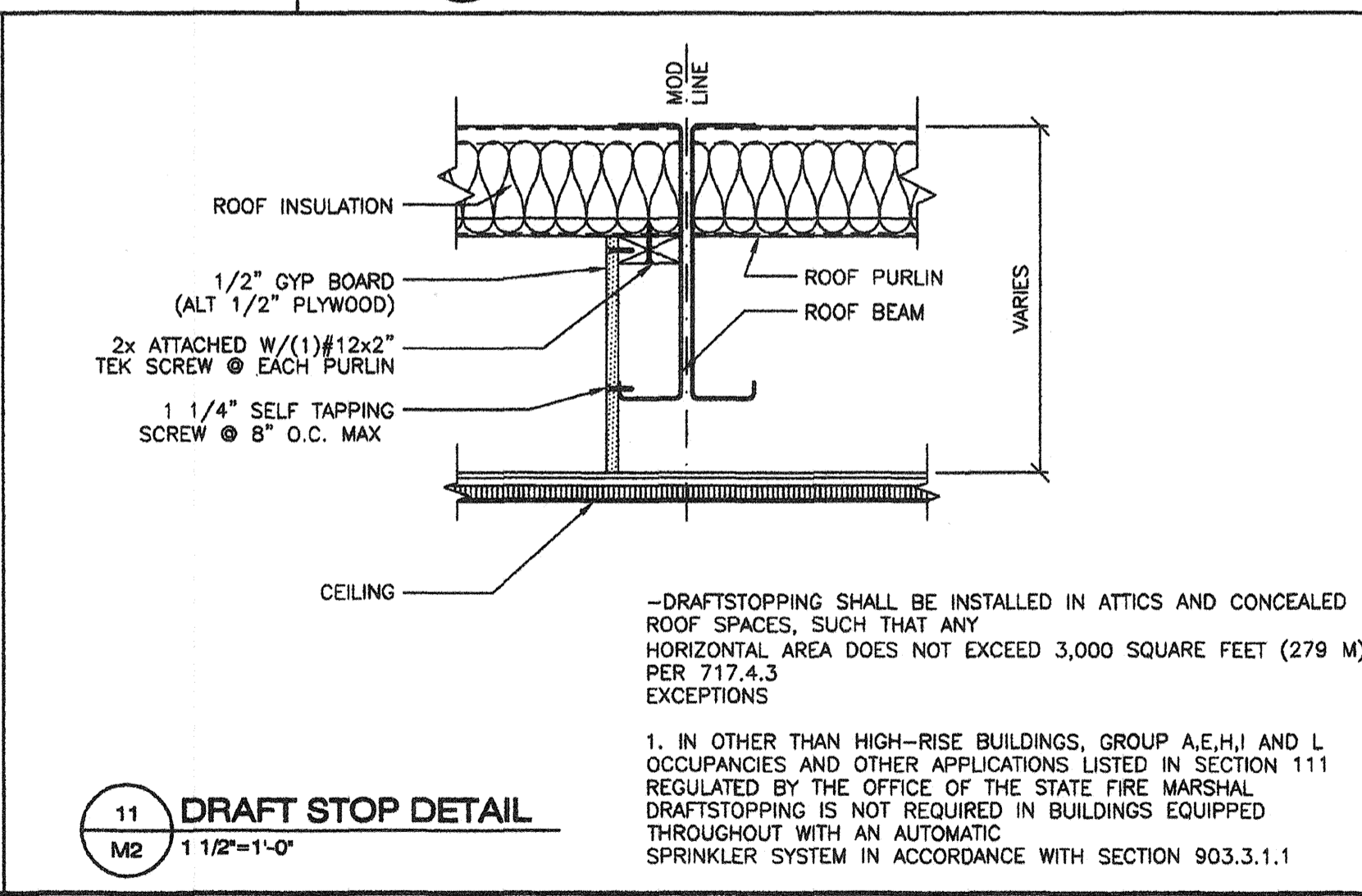
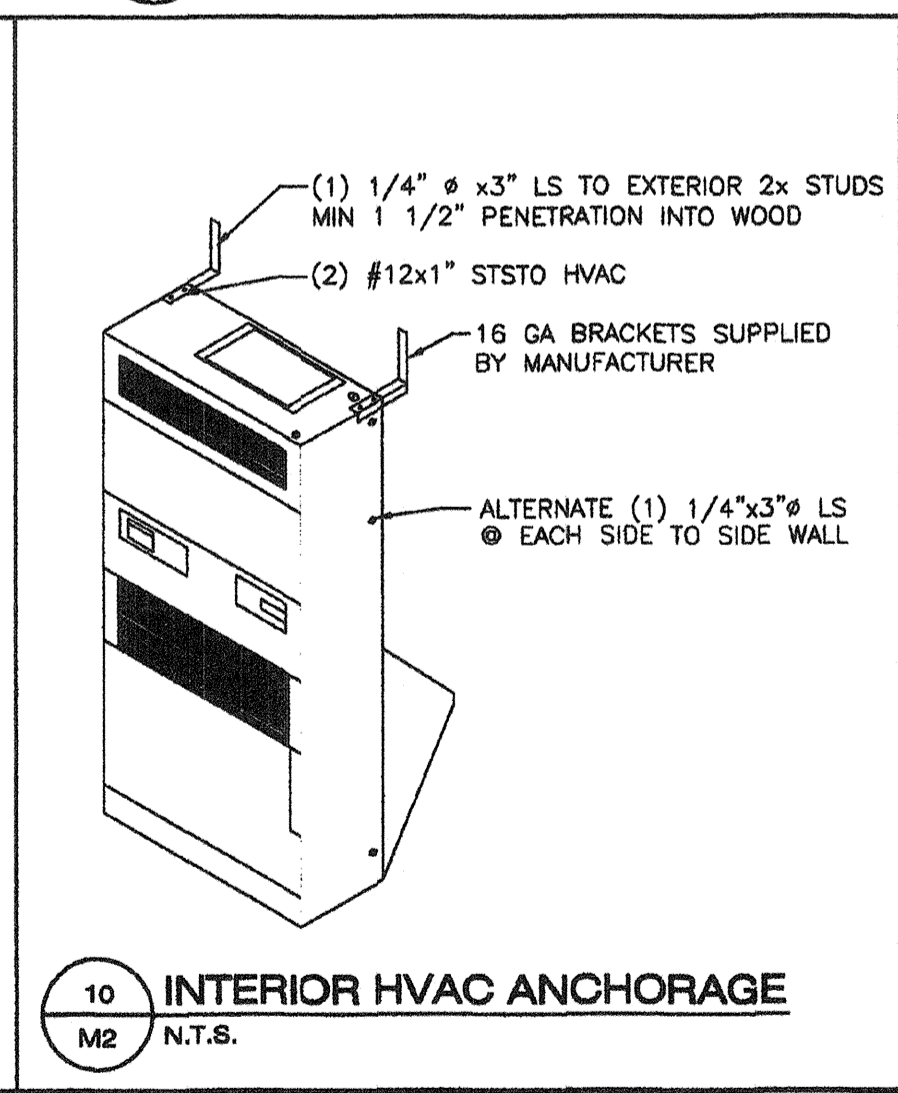
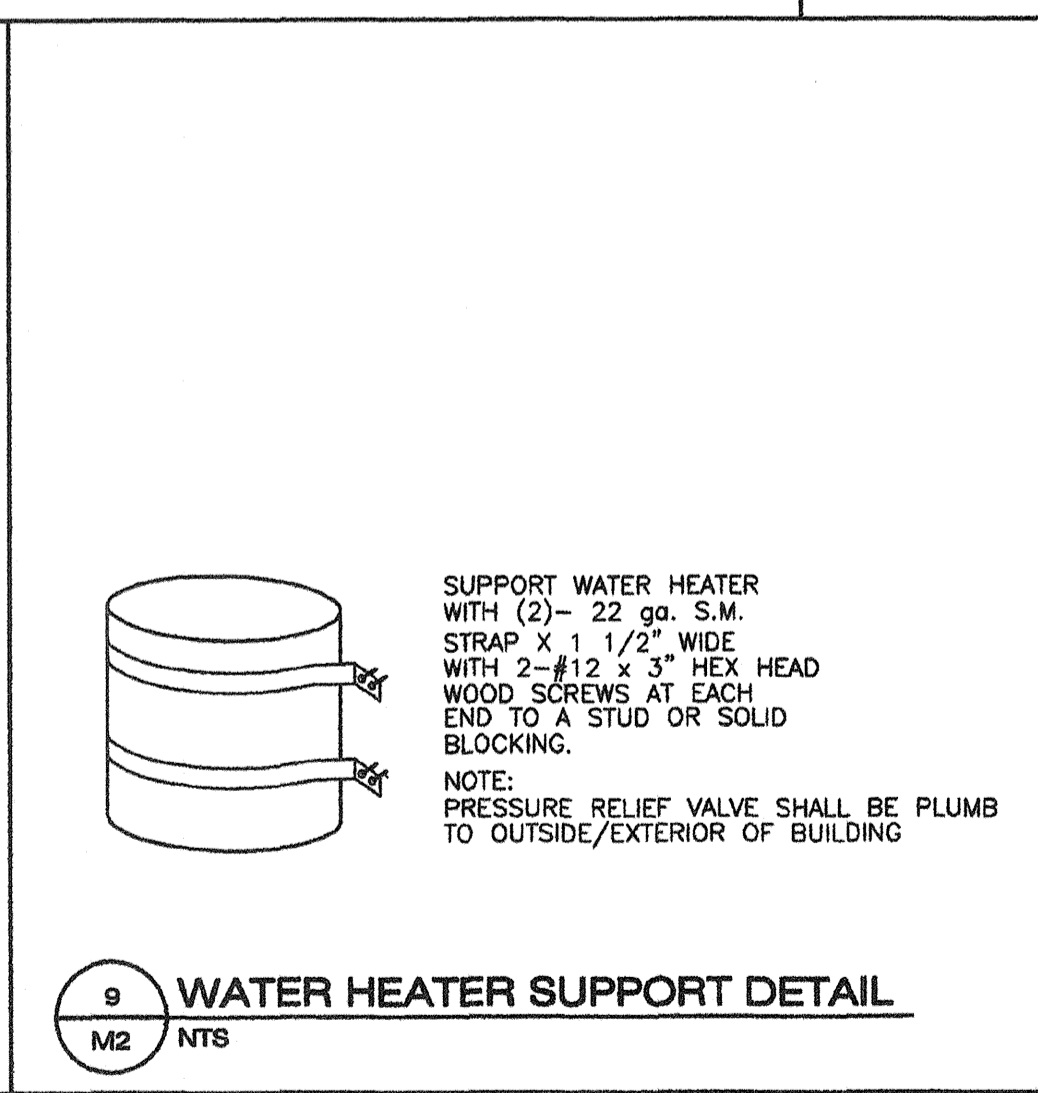
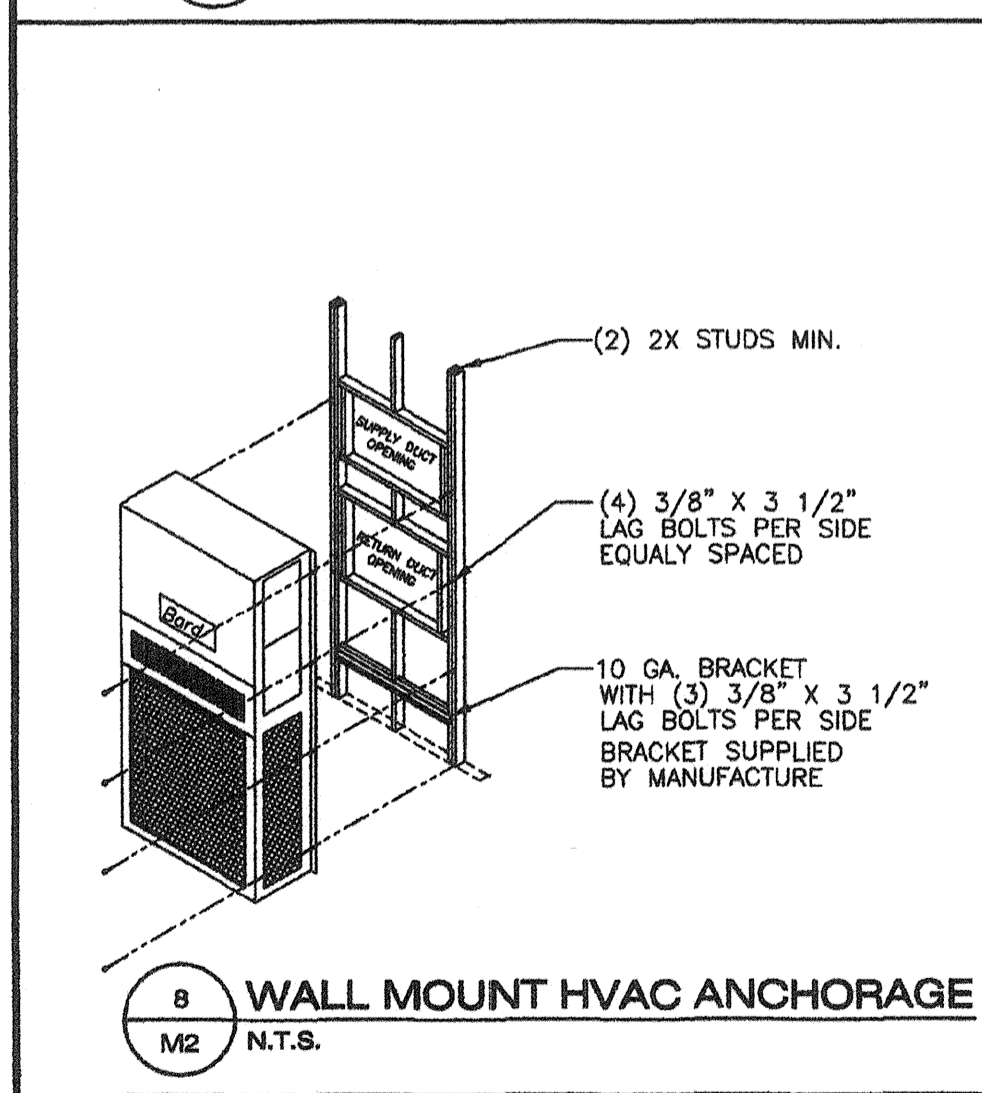
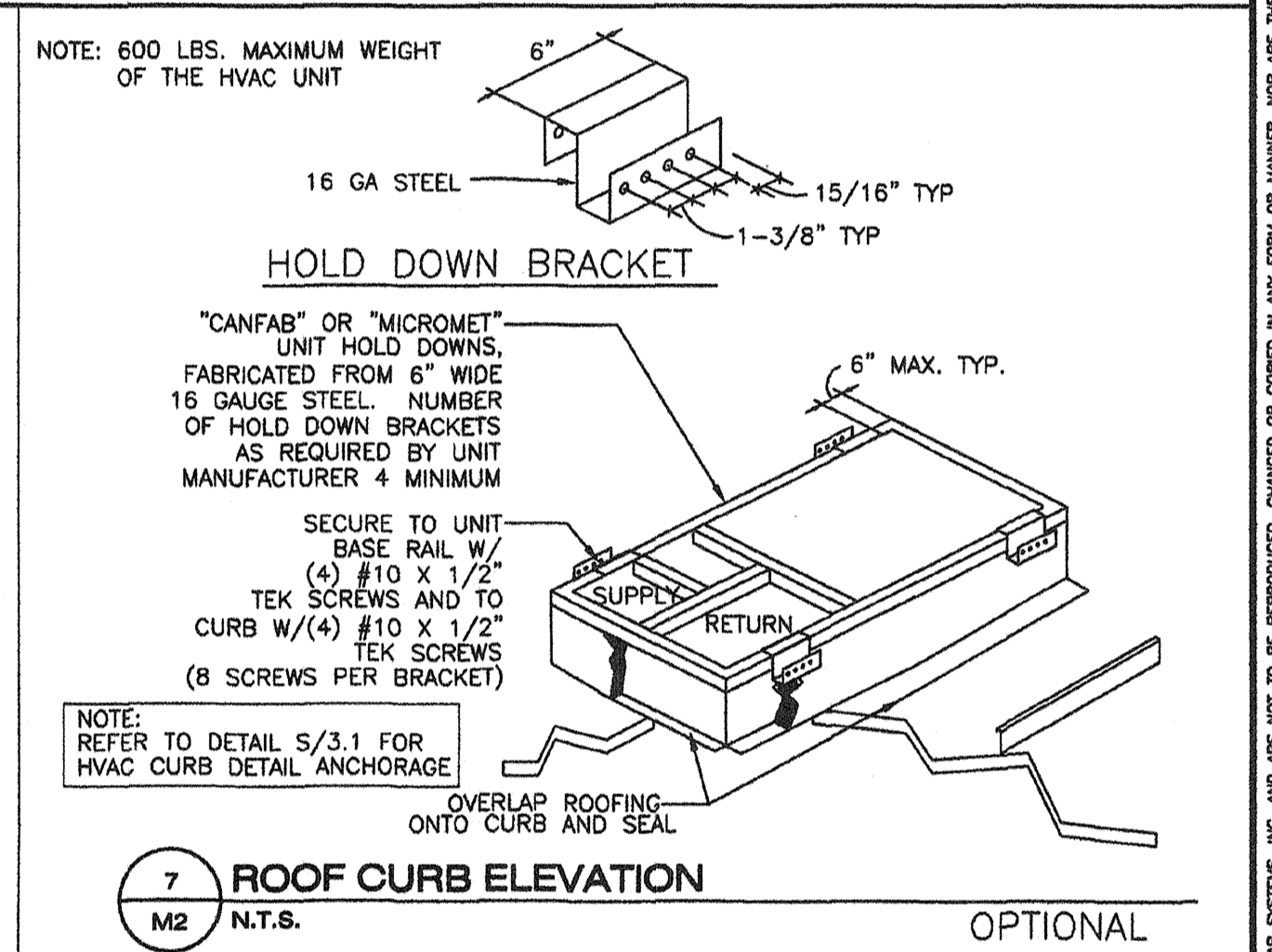
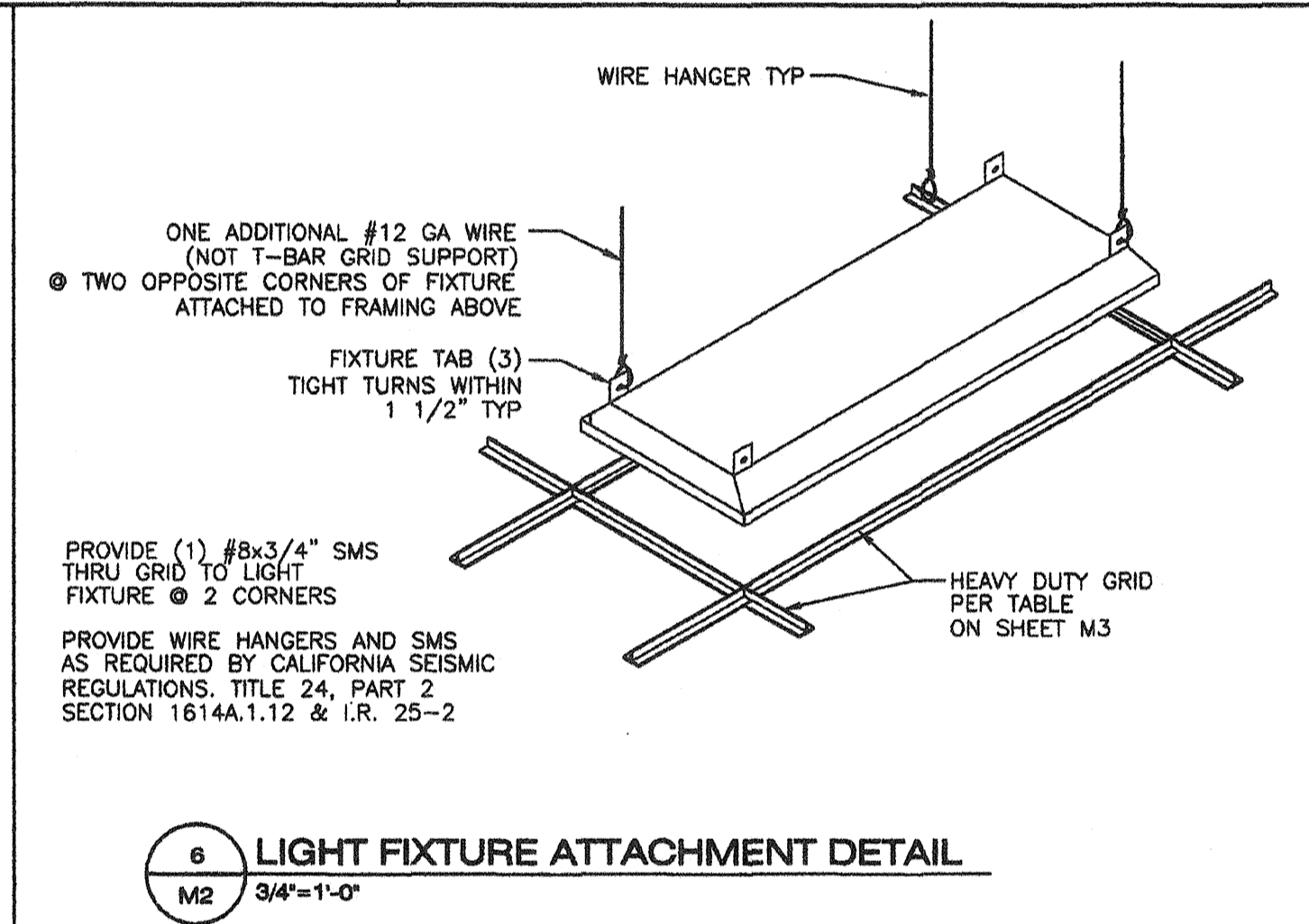
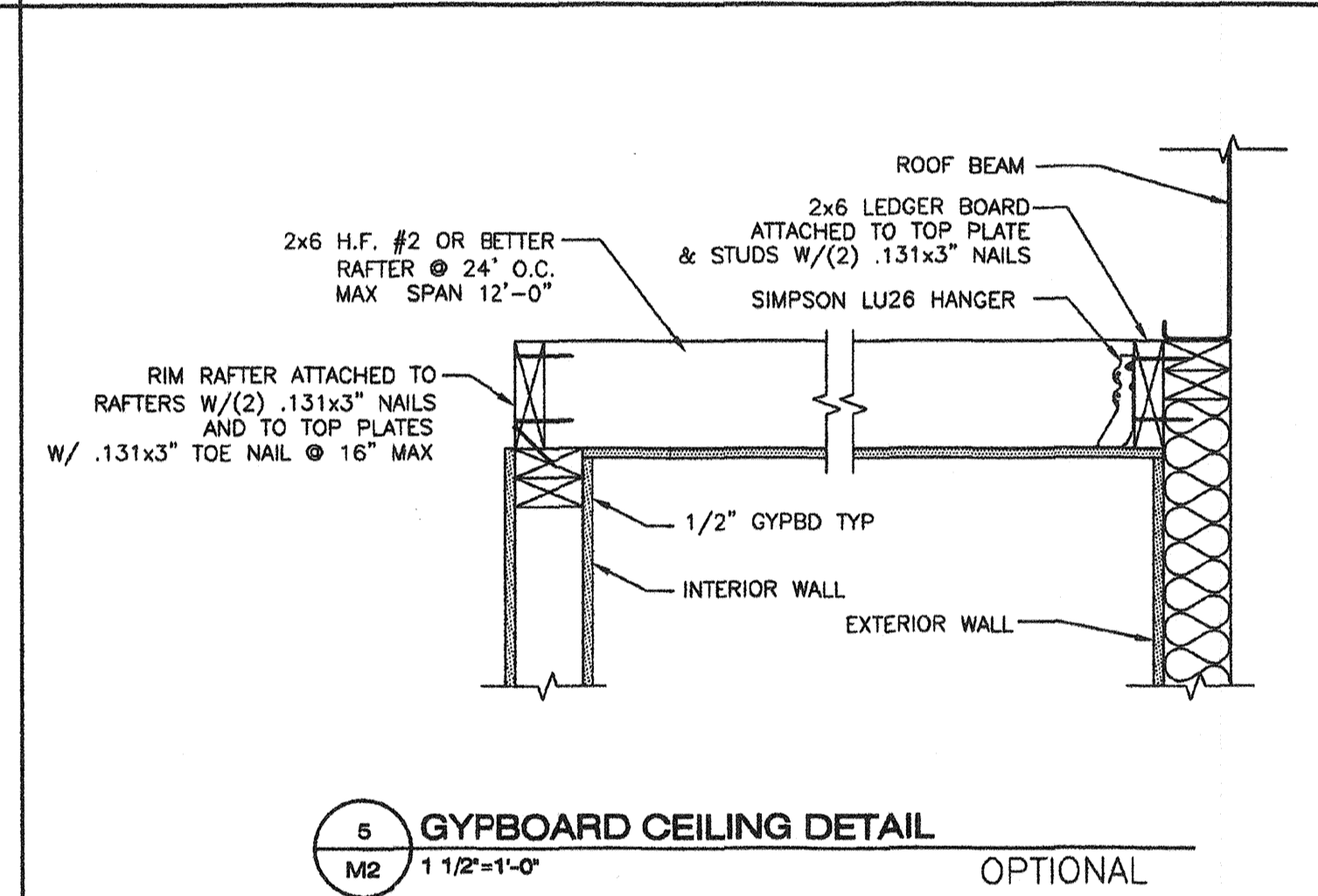
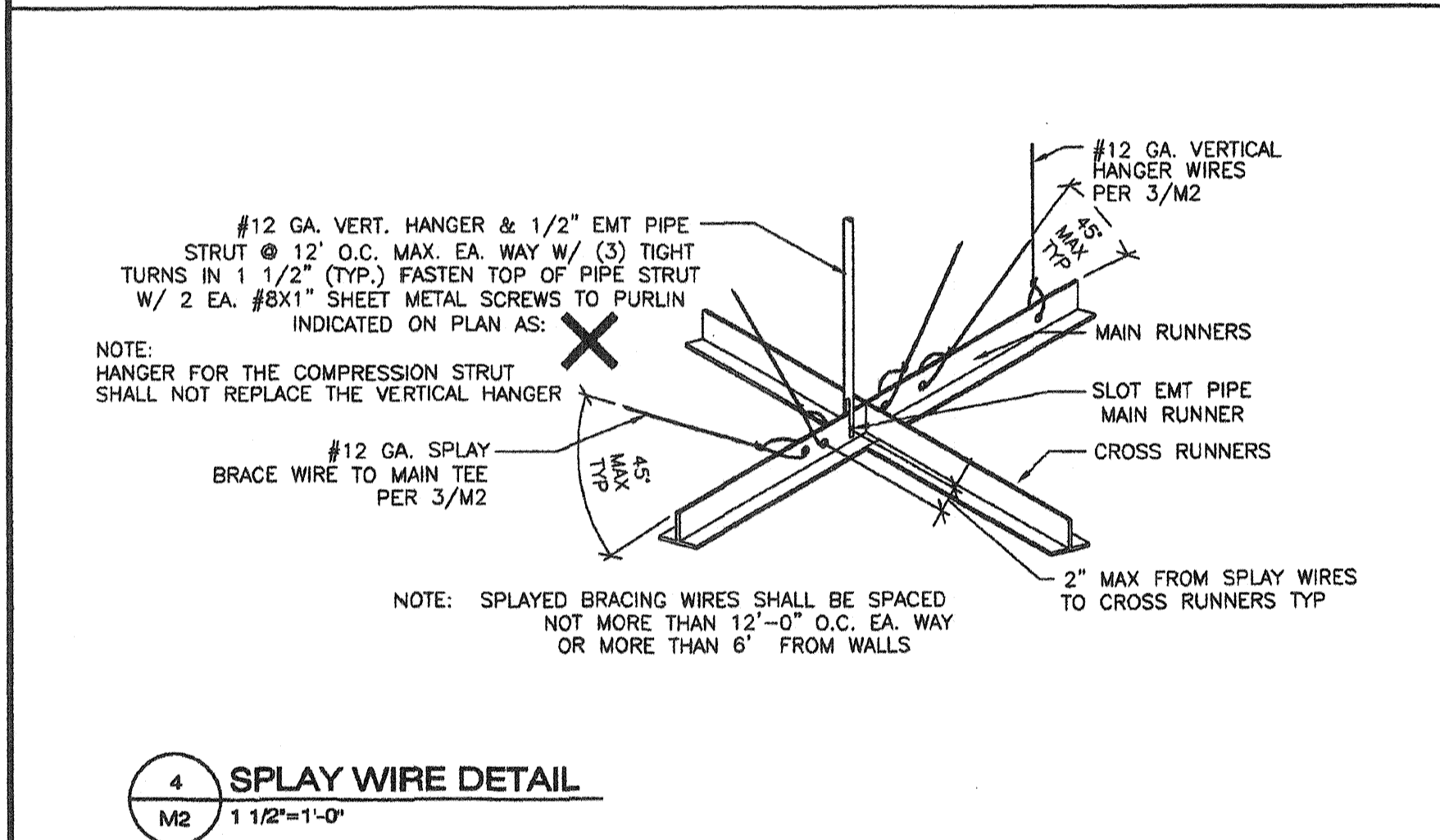
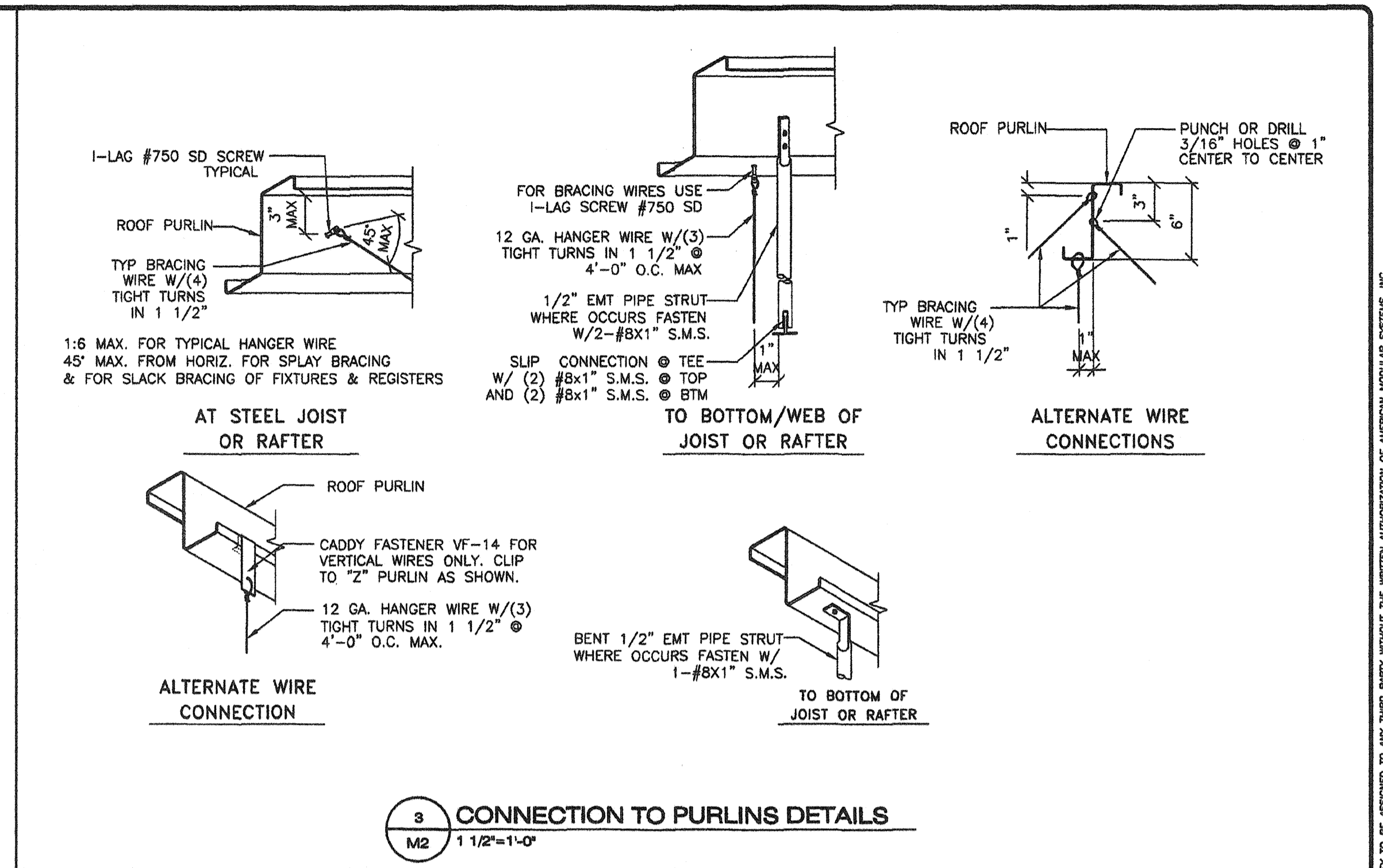
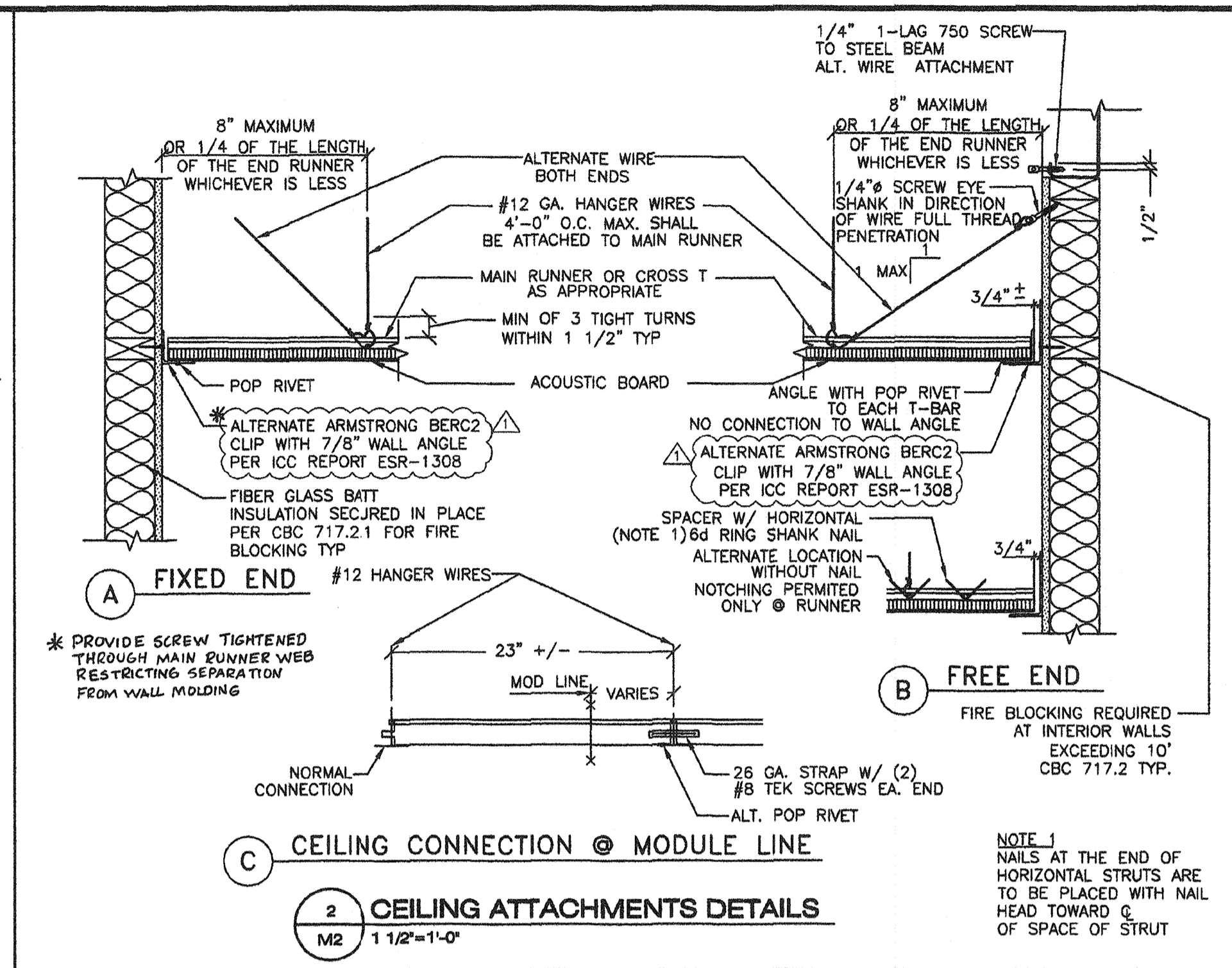
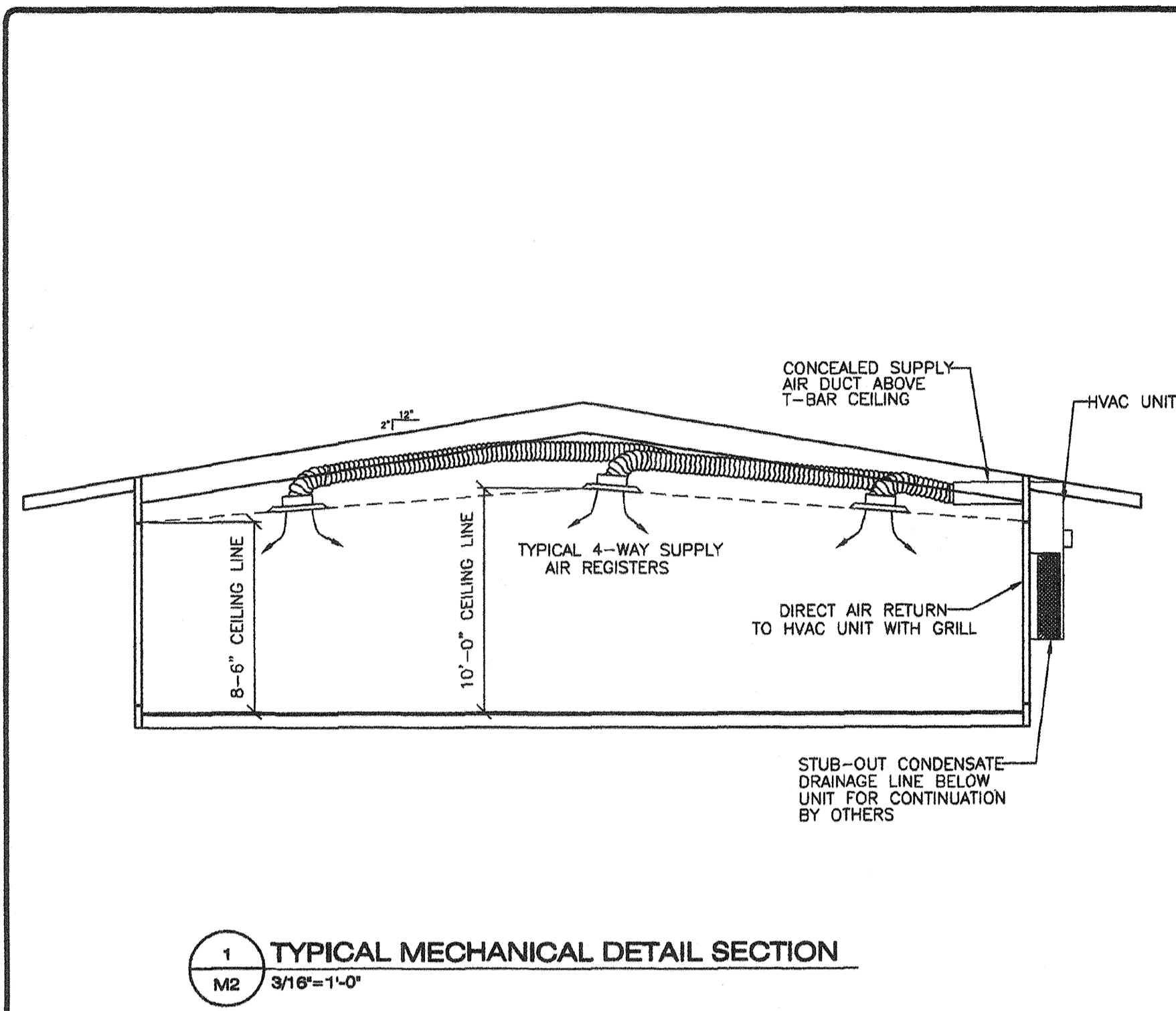
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NO	DATE	DESCRIPTION
1	8/12/09	REVISION 1

DATE: 8/12/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS MECHANICAL BUILDING SECTION & CEILING DETAILS

AMS
American Modular Systems Inc.
787 Sprinkles Ave. Manteca, CA 95336
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americanmodular.com

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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:
 - FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
 - 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.
- 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.,
- ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES.
- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
- CLASSIFICATION OF CEILING GRID: CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, OR DONN(USG) PER ASTM C635 MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01 OR DX26. MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC 1214-01 OR DONN DX 416 CROSS TEES. MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A. ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS T, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

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

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

HVAC CFM CHART

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

GENERAL NOTES

- HEATING VENTILATING AND AIR CONDITIONING (HVAC)
- HEAT PUMP: SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-77.

REFERENCE BRANDS: BARD WH421-XXXXXXX
BARD WH482-XXXXXXX
BARD WH602-XXXXXXX

MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT

ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.

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

DUCT SUPPORT
FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAP @ MAX 6'-0" O.C. ATTACH TO RAFTER W/2 #8 SMS @ EACH END.
SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAPS MIN. 2 PER PLENUM.
SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX W/2 #8 SMS.

- FIREBLOCKING: SHALL BE PROVIDED IN THE FOLLOWING LOCATION

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

INSULATION SCHEDULE

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

HVAC SCHEDULE

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

REVISIONS

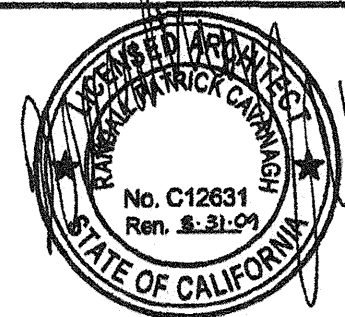
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DATE: 12/02/04
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE CLASSROOMS
CEILING & MECHANICAL NOTES



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OFFICE OF REGULATION SERVICES
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AC [Signature]
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PROJECT No.
PC
M3-C

STANDARD ELECTRICAL SYMBOLS

- EXIT LIGHT WHEN THE OCCUPANT LOAD IS 50 OR MORE
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- DUPLEX WALL CONVENIENCE OUTLETS
⊙ +18" TO CENTER LINE ABOVE F.F. AND 12'-0" MAX TYP. U.O.N.
- FOURPLEX WALL OUTLET
⊙ +18" TO CENTER LINE U.O.N..
- W.P.GFCI
WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET
- GFCI
GROUND FAULT CIRCUIT INTERRUPT OUTLET
- 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"
- CLOCK/SPEAKER COMBO ⊙ +90"
- SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- SPEAKER- OUTLET ONLY - 4" SQ. BOX W/ SINGLE
DEVICE RING AND COVER +84"
- DATA/COMMUNICATION OUTLET ONLY- 4" SQ. BOX W/
SINGLE DEVICE RING AND COVER +18" U.O.N.
AND A 3/4" CONDUIT STUB CEILING SPACE.
- INTERCOM TELEPHONE- OUTLET ONLY- 4" SQ. BOX W/
SINGLE DEVICE RING AND COVER +48" U.O.N.
- MOTION SENSOR OUTLET STUB-UP- PROVIDE (1)4" SQ. BOX W/
SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT
STUB TO ABOVE CEILING (DEVICES BY OTHERS)
- SECURITY/INTRUSION KEY PAD - OUTLET ONLY- 4" SQ.
BOX W/ SINGLE DEVICE RING AND COVER ⊙ +48"
AND ONE 3/4" CONDUIT STUB ABOVE CEILING
- DOOR CONTACT - PROVIDE (1) EMPTY 1/2"⊕ EMT
THROUGH DOOR HEADER STUB ABOVE CEILING
- CATV
CATV OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W/
SINGLE DEVICE RING AND COVER
AND(1) 3/4"⊕ CONDUIT TO ABOVE CEILING (DEVICES BY OTHERS)
- FIRE ALARM PULL STATION - OUTLET ONLY, 4" SQ. BOX W/
SINGLE DEVICE RING AND COVER +48". (DEVICE N.I.C.)
- FIRE ALARM HORN - OUTLET ONLY - 4" SQ.
SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER
⊙ +90" MIN (DEVICE N.I.C.)
- FIRE ALARM VISUAL ALARM- OUTLET ONLY - 4" SQ.
BOX W/ SINGLE DEVICE RING AND COVER +80".
A.F.F. BUT NO GREATER THAN +96". IF CEILING
MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
- MINI HORN BOX W/ SINGLE DEVICE RING AND COVER
⊙ +80"A.F.F. BUT NO GREATER THAN +96".
STUB TO ATTIC
- THERMOSTAT ⊙ +60" SEALED, +48" A.F.F. UNSEALED
- ULTRASONIC OCCUPANCY SENSOR
- ELECTRICAL PANEL
- EMERG. LIGHTING w/BATTERY BACKUP
WHEN THE OCCUPANT LOAD IS 50 OR MORE

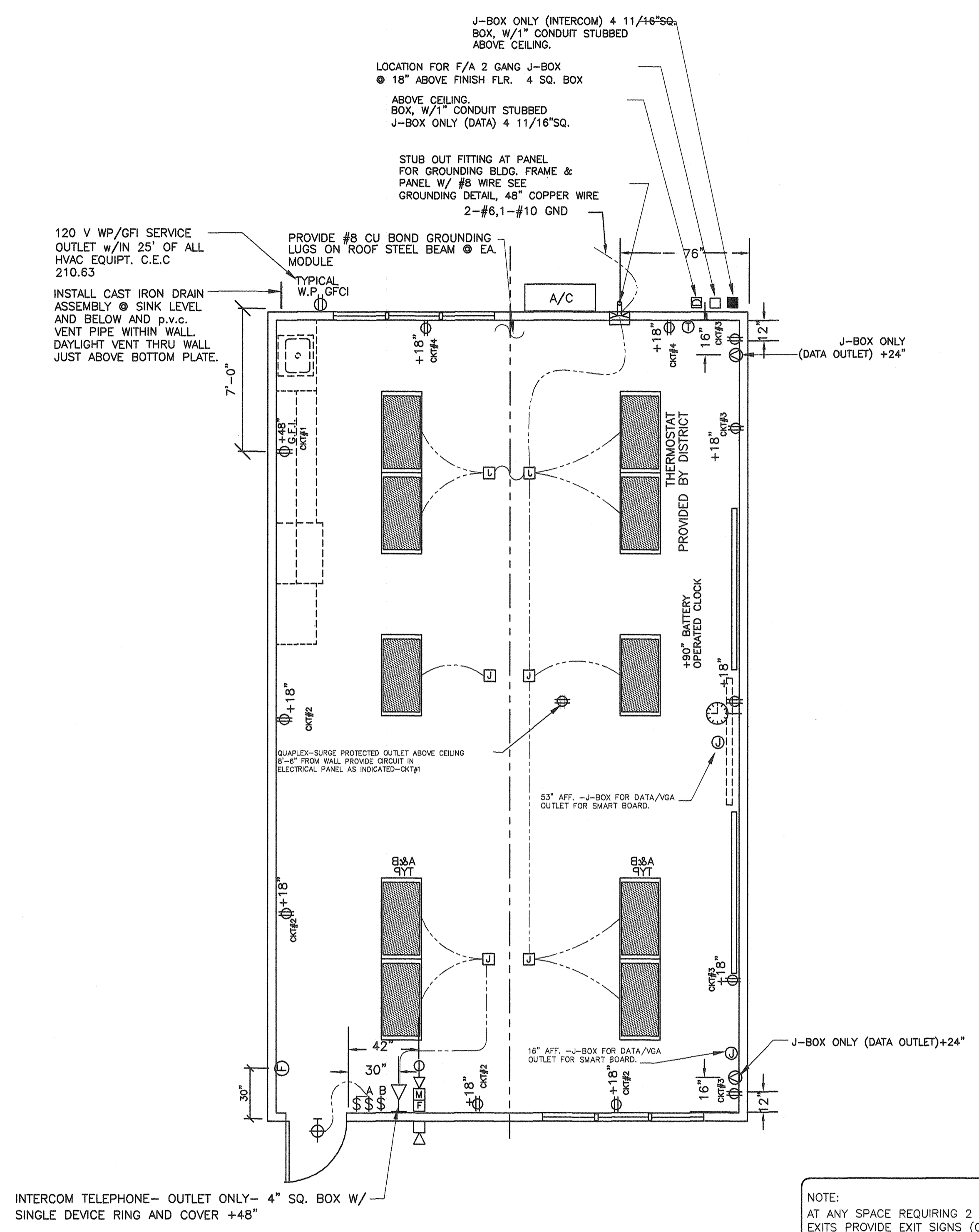
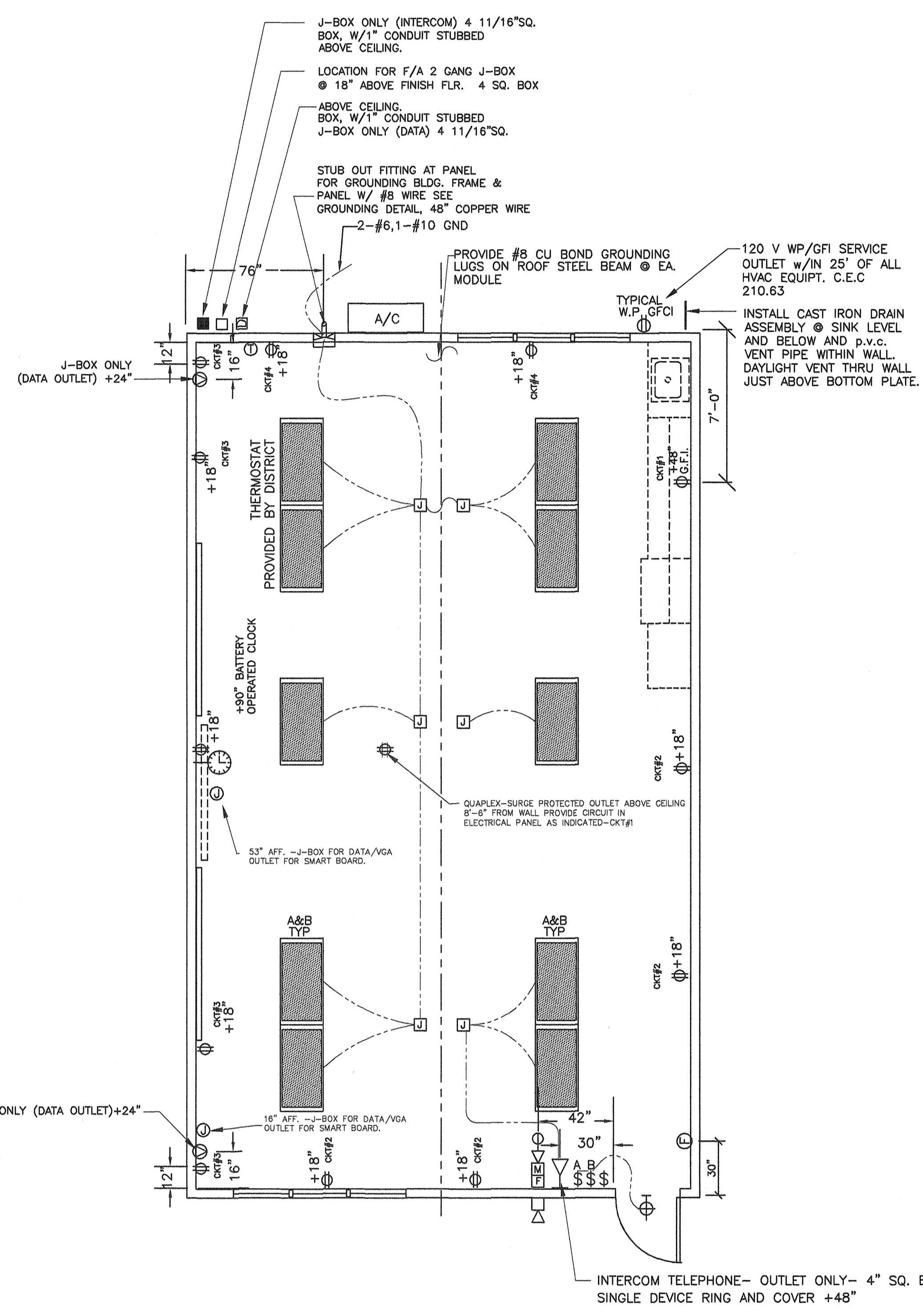
- GENERAL NOTES -

- 1.-F.A. : STUB-UP ALL
FIRE ALARM JUNCTION BOXES
TO ACCESSIBLE ATTIC SPACE
WITH 1/2" MIN. GALV. THIN
WALL TUBING (EMT).
DO NOT CONNECT FIRE ALARM
CONDUIT WITH ANY OTHER
ELECTRICAL CONDUIT
- 2.-IF OPTIONAL DOOR OCCURS A PULL STATION
J-BOX AND EXIT SIGN ARE REQUIRED.
PULL STATIONS ARE REQUIRED ⊙ EVERY EXIT
- 3.-STUB OUT LOCATIONS FOR ELECTRICAL
PANEL, FIRE ALARM, AND DATA BOXES
SHOWN ARE DIAGRAMMATICAL ONLY
EXACT LOCATIONS MAY VARY +/- SEVERAL
FEET. PLEASE CONTACT AMERICAN MODULAR
SYSTEMS FOR EXACT LOCATIONS.
POINT OF CONNECTION WILL BE AT
FACE OF BUILDING.
- 4.-SEE TYPICAL CLASSROOM LAYOUT
FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH
CALIFORNIA SEISMIC REGULATIONS.
- 5.-THE LIGHTS FOR EACH ROOM OVER 250' SQ FT
SHALL BE CONTROLLED BY ULTRASONIC
OCCUPANCY SENSOR. WATT STOPPER W-500A,
W-1000A OR W-2000A (OR EQUAL) BASED ON
THE ROOM SIZE IN CONJUNCTION WITH BI-LEVEL
SWITCHING.

NOTE:
AT ANY SPACE REQUIRING 2 OR MORE
EXITS PROVIDE EXIT SIGNS (CBC 1011)
AND EMERGENCY EXIT ILLUMINATION
(CBC 1006)

NOTE:
THE PROJECT ARCHITECT SHALL BE
RESPONSIBLE FOR THE PLACEMENT OF
HEAT, SMOKE DETECTORS AND PULL STATIONS
WHEN THE SITE SPECIFIC PROJECT IS
REQUIRED TO MEET THE PROVISIONS OF
SB 575 & CBC 907.2.3

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)32 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT 24GP40HFSA1158YF2 OR LITHONIA 2GT440A12120E5PWS1846LPESCW
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & POSIGRIP STAINLESS STEEL SCREWS. (PROVIDE EMERGENCY BATTERY BACK-UP WHEN THE OCCUPANT LOAD IS 50 OR MORE)	(2) 7W TT 2700 K	ENERTRON 7026B-L OR EQUAL



BASED ON PC 02-109695

REVISIONS		
NO	DATE	DESCRIPTION

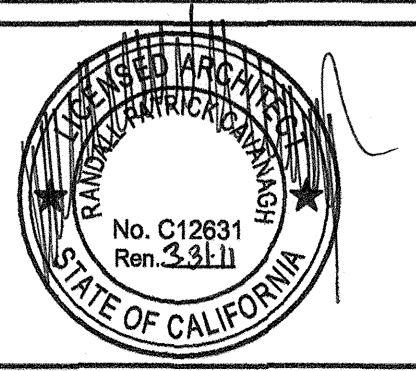
DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
PIONEER DRIVE ELEMENTARY SCHOOL

2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
TYPICAL ELECTRICAL PLAN

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APPROVALS:



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AC 118568
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OFFICE OF REGULATION SERVICES
AC: FLS: SS
DATE

PROJECT NO.
E1-C

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VOLTS: 120/240 SINGLE PHASE		PANEL: A		FEED: EXTERIOR LB							
MAIN: 100 AMP MAIN BKR.		LOCATION: INTERIOR		MOUNTING: FLUSH							
LOAD	WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD
	A	B							A	B	
LIGHTS, FLUORESCENT	960		15	1	1		2	60	4476		A/C HVAC UNIT
LIGHTS, FLUORESCENT		960	15	1	3		4	60	4476		
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		4476	4476	PHASE WATTAGE
TOTAL WATTS "A" LEG: 6556		TOTAL WATTS A+B=2743				TOTAL WATTS "B" LEG 6156					
TOTAL WATTS: 15455		65		AMPS 120/240V		SINGLE PHASE		100AMP BUS.			

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

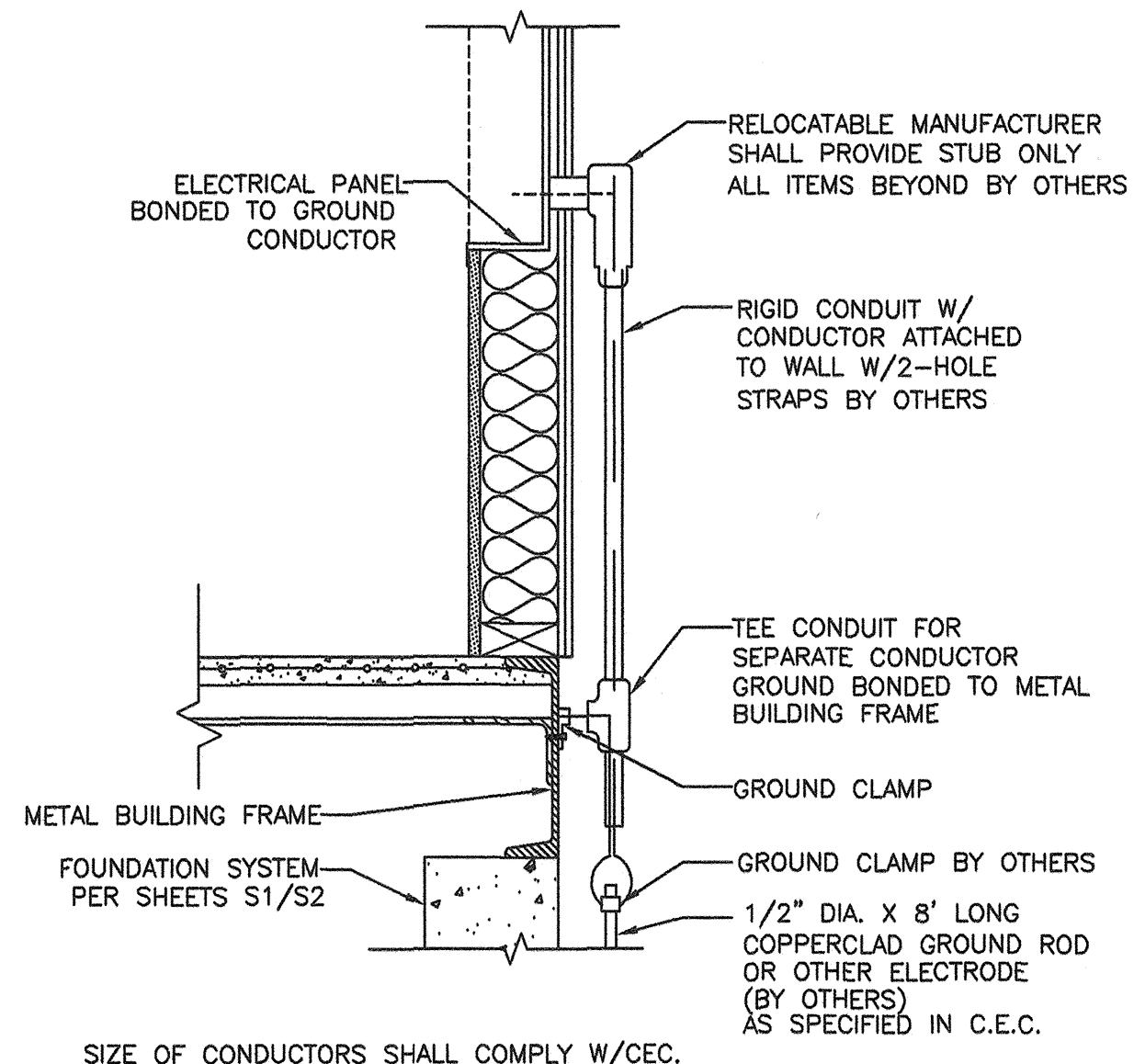
- GENERAL NOTES -

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

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

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

- ELECTRICAL**
- ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
 - MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
 - ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING. SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
 - 2'x4' FLUORESCENT FIXTURES SHALL BE STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-12, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE .125 INCH.
 - FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
 - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
 - CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
 - CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPERABLE HANGING CLIP & APP'D RECEPT.
- THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER
FEEDER WIRE UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING. IF 60 DEGREES C. WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY BE PROVIDED ON THE DRAWING.



SIZE OF CONDUCTORS SHALL COMPLY W/CEC. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC). ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

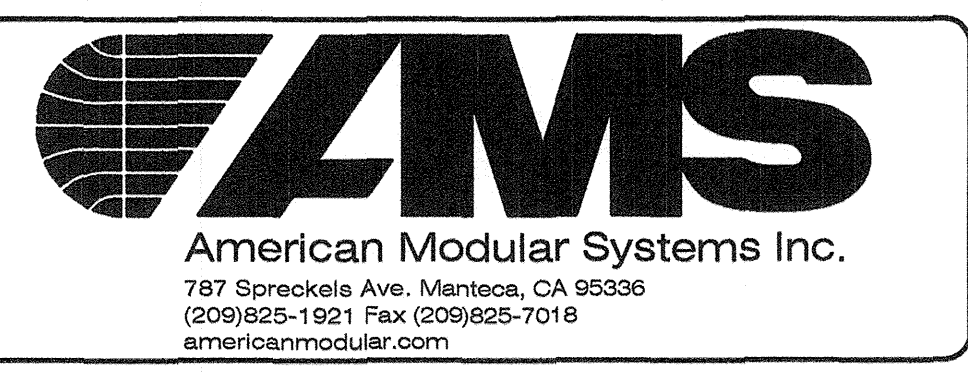
1 GROUNDING DETAIL
E2 1 1/2"=1'-0"

BASED ON PC# 02-109695

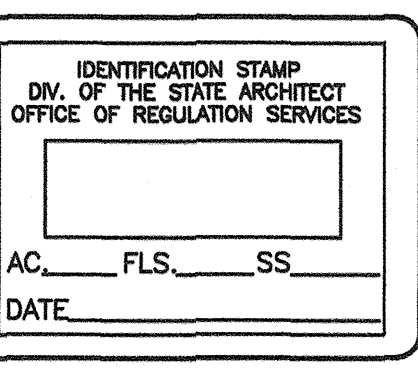
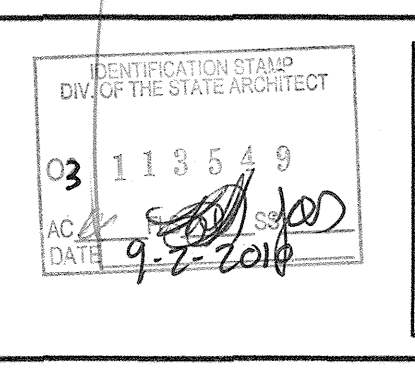
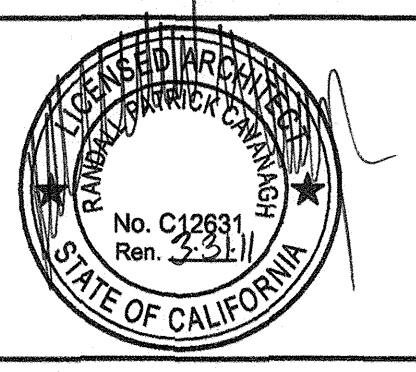
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOLS
24' x 40' RELOCATABLE BUILDINGS ELECTRICAL NOTES & DETAILS

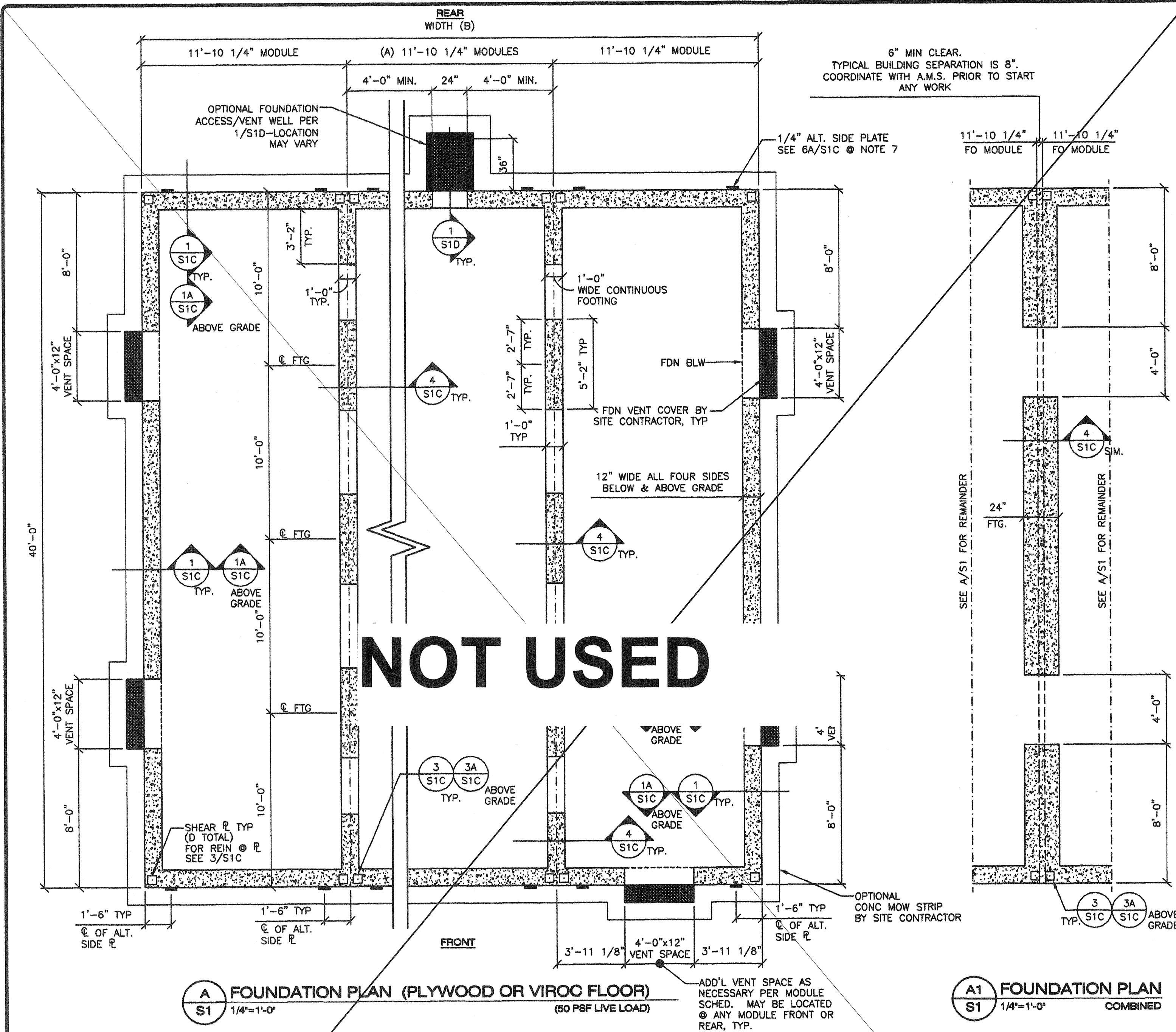


APPROVALS:



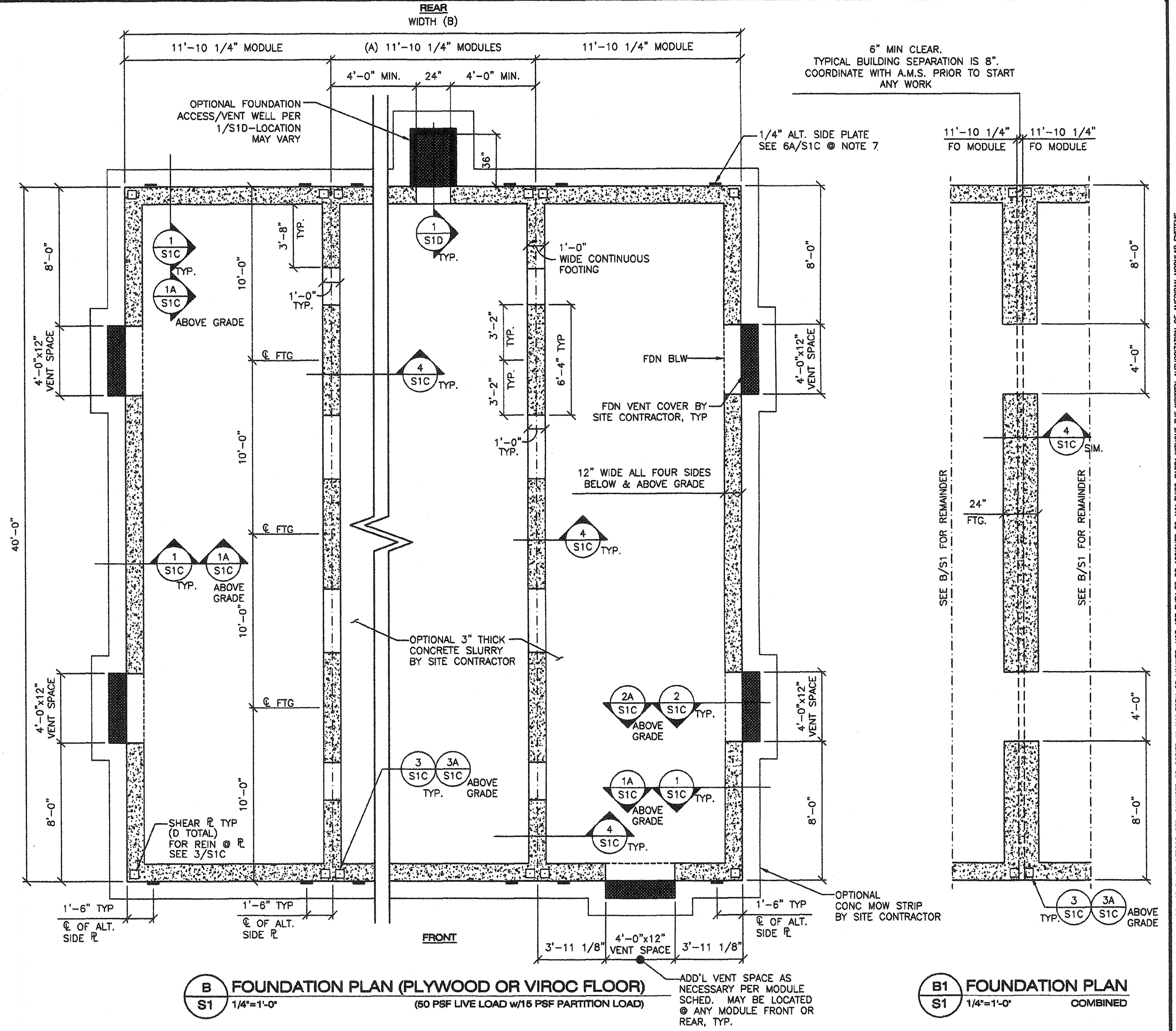
PROJECT NO. PC
E2-C

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A FOUNDATION PLAN (PLYWOOD OR VIROC FLOOR)
S1 1/4"=1'-0"

A1 FOUNDATION PLAN
S1 1/4"=1'-0" COMBINED



B FOUNDATION PLAN (PLYWOOD OR VIROC FLOOR)
S1 1/4"=1'-0"

B1 FOUNDATION PLAN
S1 1/4"=1'-0" COMBINED

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT ²)	MIN. TOTAL # 4"x12" VENTS REQ'D	VENT AREA REQ'D (FT ²)	VENT AREA PROVIDED (FT ²)	"D" TOTAL # OF TYPICAL SHEAR PLATES
24x40	2	0	23'-8 1/2"	960	4	6.4	16.0	8
36x40	3	1	35'-6 3/4"	1440	4	9.6	16.0	12
48x40	4	2	47'-5"	1920	4	12.8	16.0	16
60x40	5	3	59'-3 1/4"	2400	4	16.0	16.0	20
72x40	6	4	71'-1 1/2"	2880	5	19.2	20.0	24
84x40	7	5	82'-11 3/4"	3360	6	22.4	24.0	28
96x40	8	6	94'-10"	3840	7	25.6	28.0	32
108x40	9	7	106'-8 1/4"	4320	8	28.8	32.0	36
120x40	10	8	118'-6 1/2"	4800	8	32.0	32.0	40
132x40	11	9	130'-4 3/4"	5280	9	35.2	36.0	44
144x40	12	10	142'-3"	5760	10	38.4	40.0	48

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT ²)	MIN. TOTAL # 4"x12" VENTS REQ'D	VENT AREA REQ'D (FT ²)	VENT AREA PROVIDED (FT ²)	"D" TOTAL # OF TYPICAL SHEAR PLATES
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48x40	4	2	47'-5"	1920	4	12.8	16.0	16
60x40	5	3	59'-3 1/4"	2400	4	16.0	16.0	20
72x40	6	4	71'-1 1/2"	2880	5	19.2	20.0	24
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144x40	12	10	142'-3"	5760	10	38.4	40.0	48

- NOTES:**
- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
 - ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
 - THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1916A.2 IF CONCRETE WITH A COMPRESSIVE STRENGTH OF 3500 PSI IS SPECIFIED THEN THE TESTING OF THE REINFORCING BARS MAY BE WAIVED PER SECTION 1916A.4. THE CEMENT SHALL BE CERTIFIED PER SECTION 1916A.1
 - REINFORCING STEEL 40,000 PSI MINIMUM, PER ASTM A615
 - MINIMUM SOIL BEARING CAPACITY 1500 PSF.
 - DESIGN SOIL BEARING CAPACITY 1500 PSF.
 - ALTERNATE SIDE PLATES MUST COMPLETELY REPLACE TYPICAL SHEAR PLATES ALONG ANY ONE MODULE LINE (4 ALTERNATE SIDE PLATES @ INTERIOR MODULE LINE AND 2 ALTERNATE SIDE PLATES @ EXTERIOR MODULE LINE.) COMBINATION OF TYPICAL SHEAR PLATES AND ALTERNATE SIDE PLATES ALONG ANY ONE MODULE LINE IS NOT PERMITTED.

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 - ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
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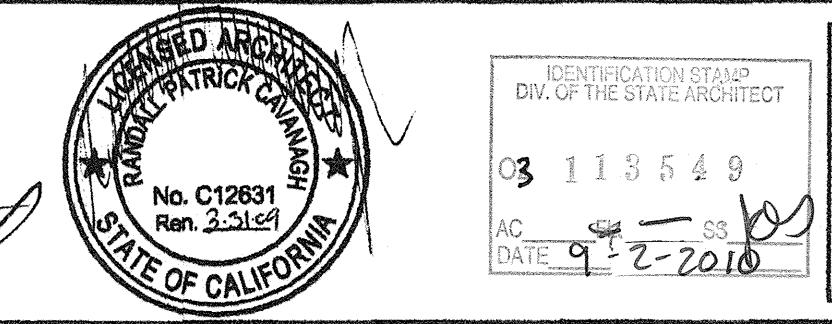
NO	DATE	DESCRIPTION

DATE: 02/13/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
CONCRETE FOUNDATION PLAN 50 P.S.F LIVE LOAD
& 50 P.S.F LIVE LOAD + 15 P.S.F PART. LOAD FLOOR



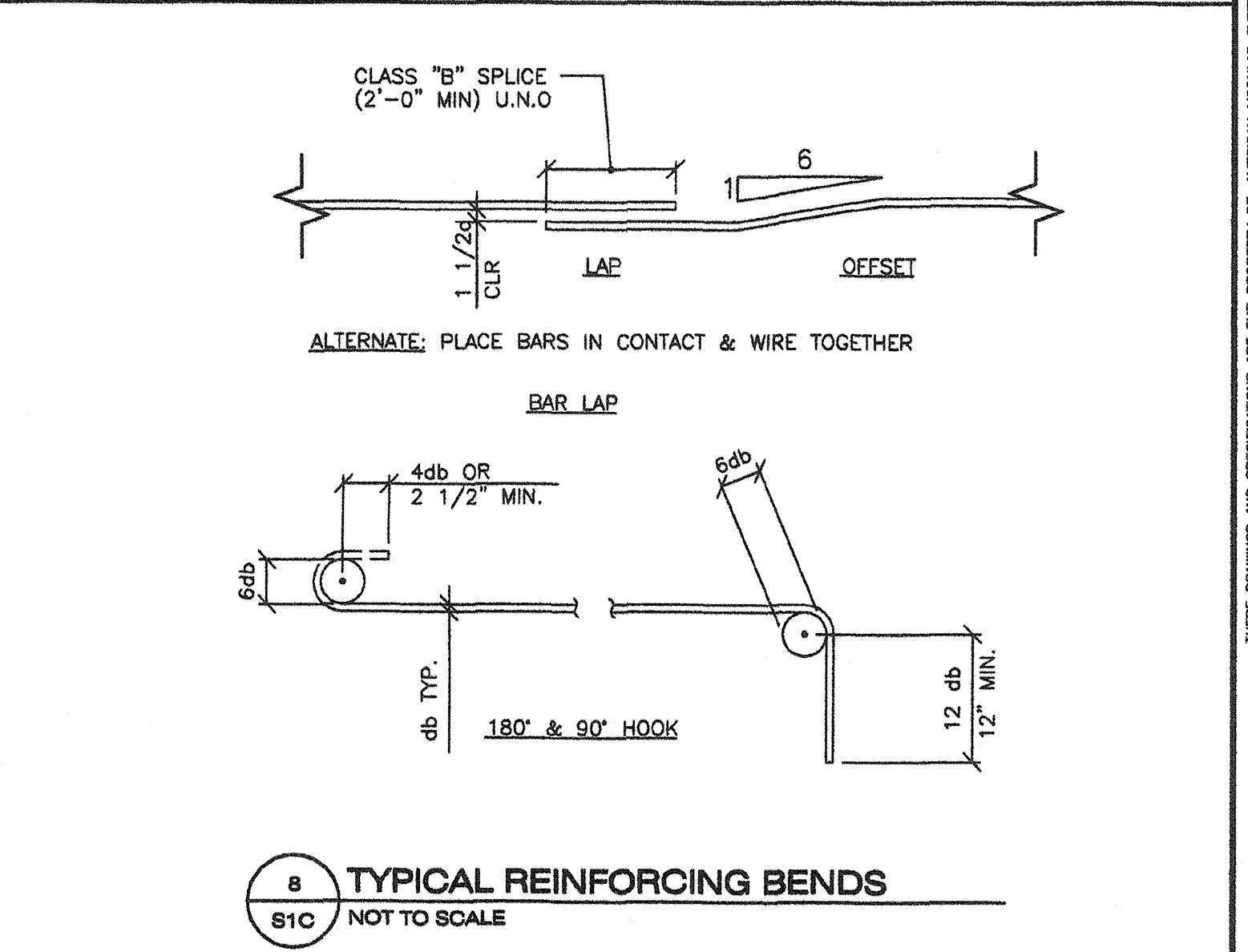
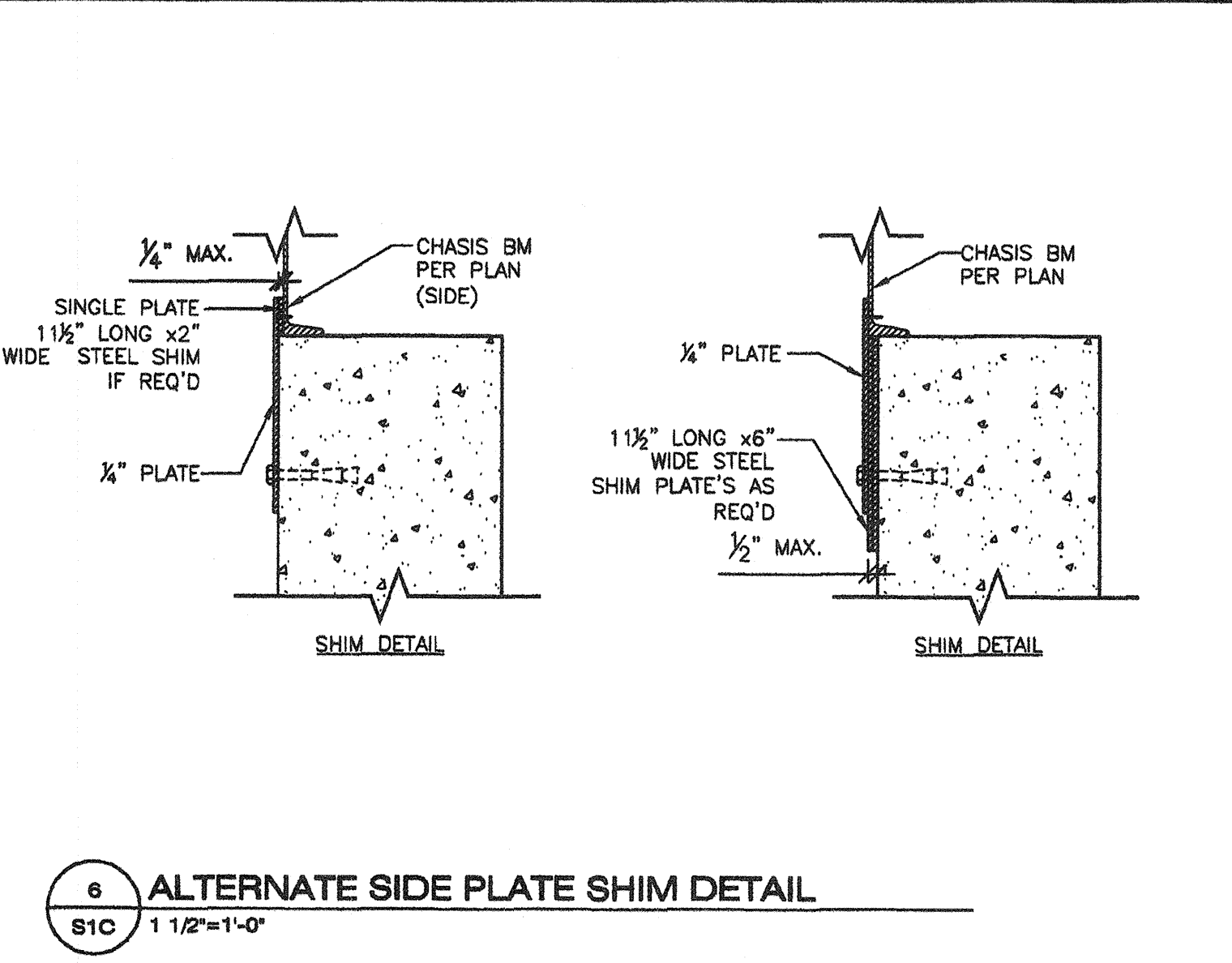
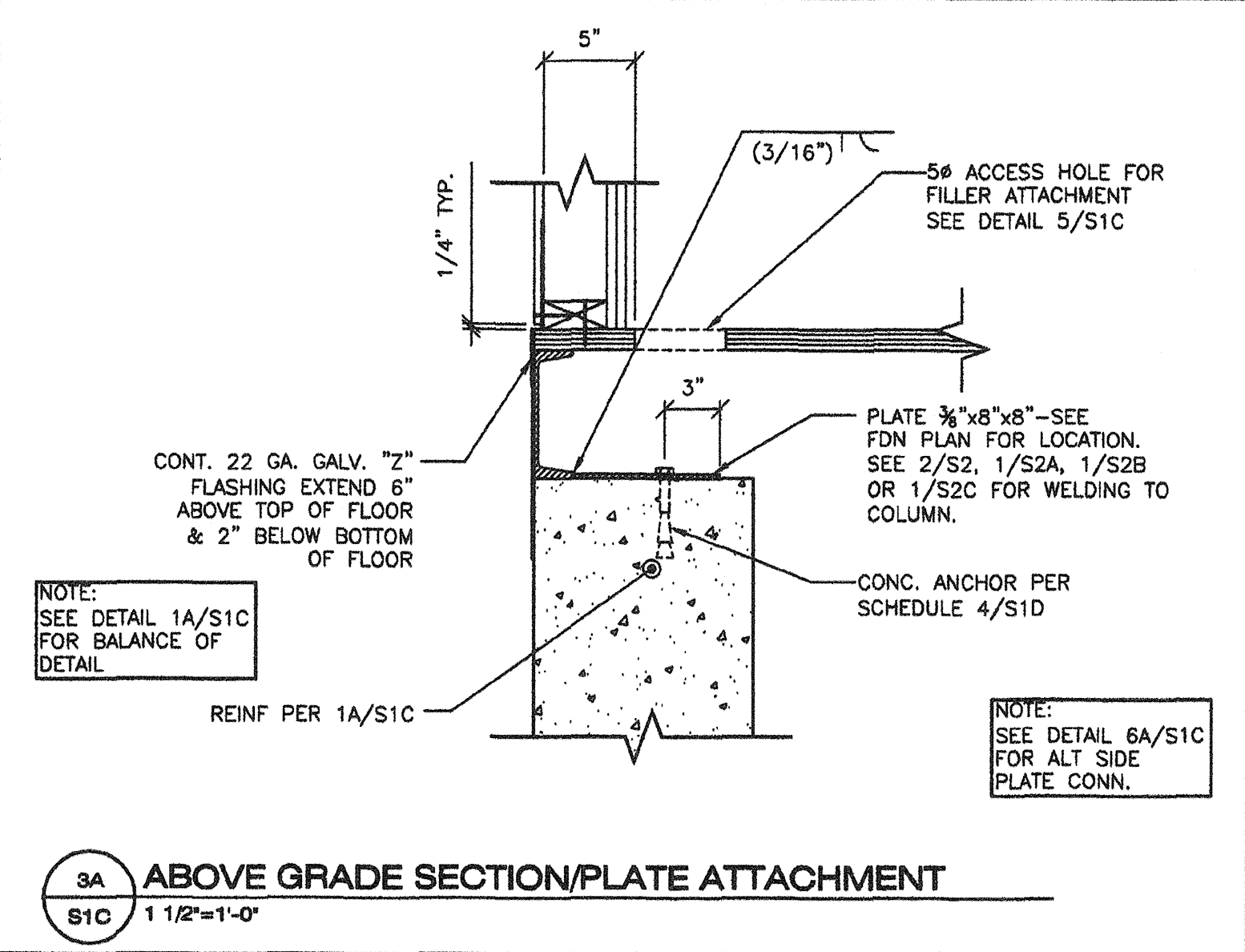
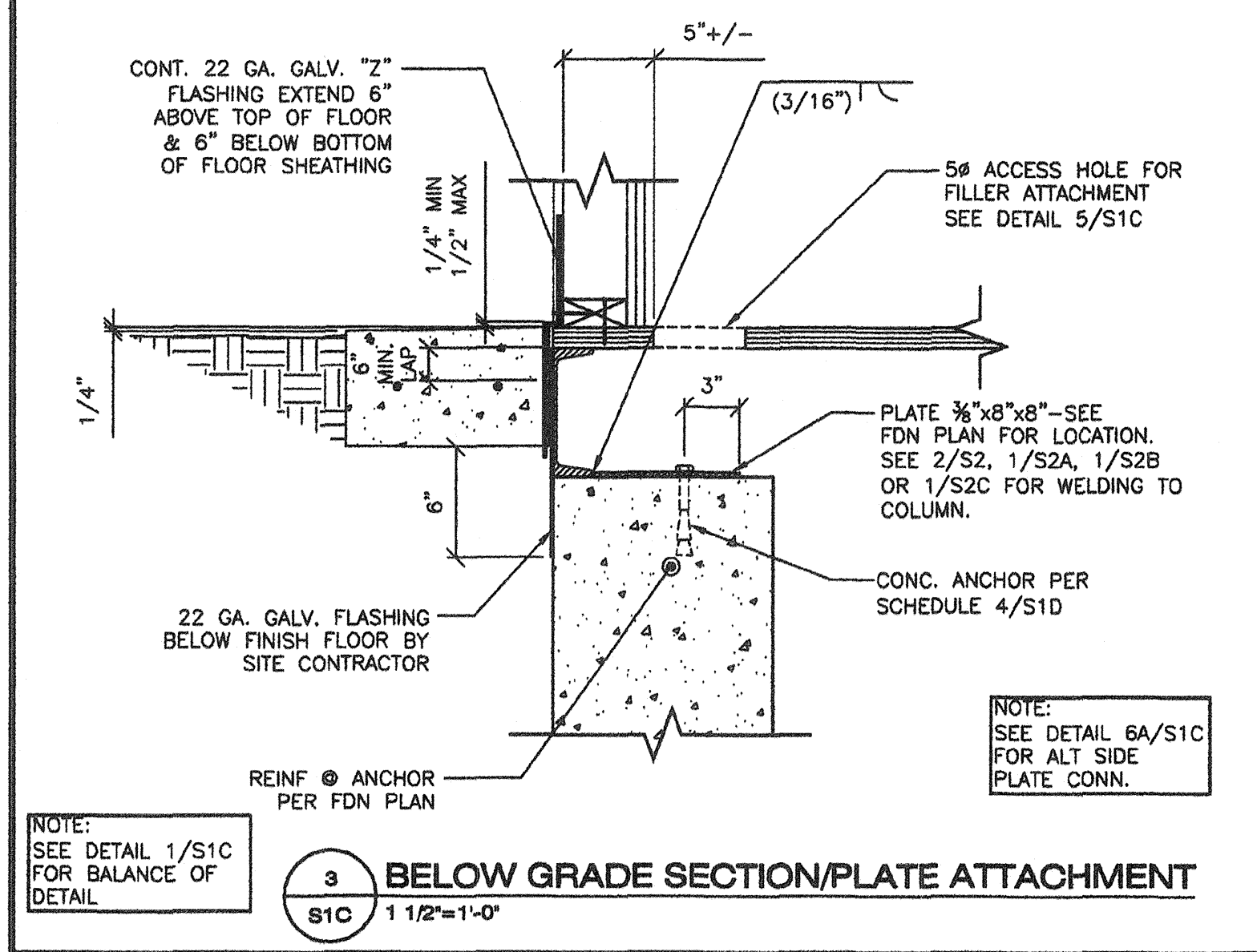
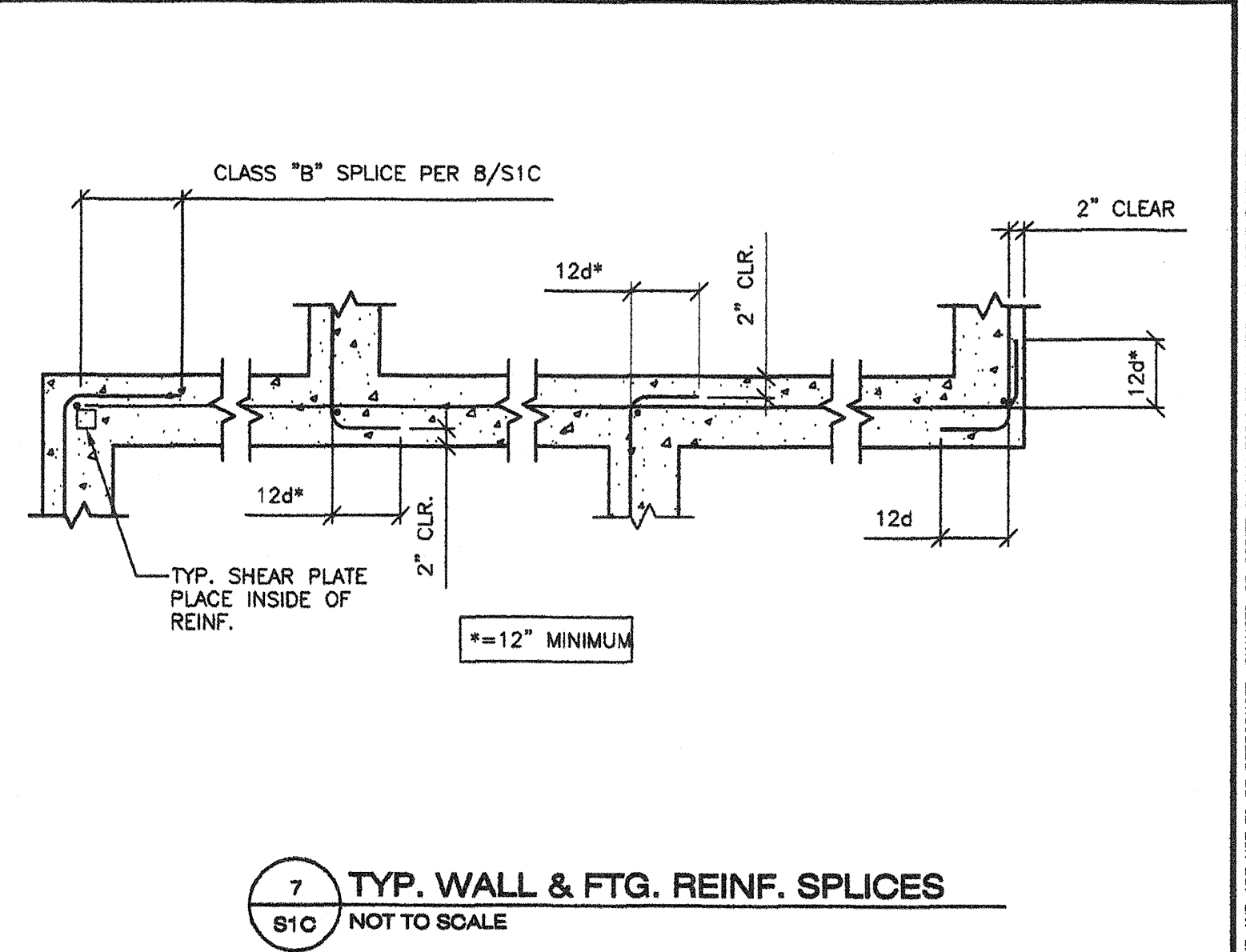
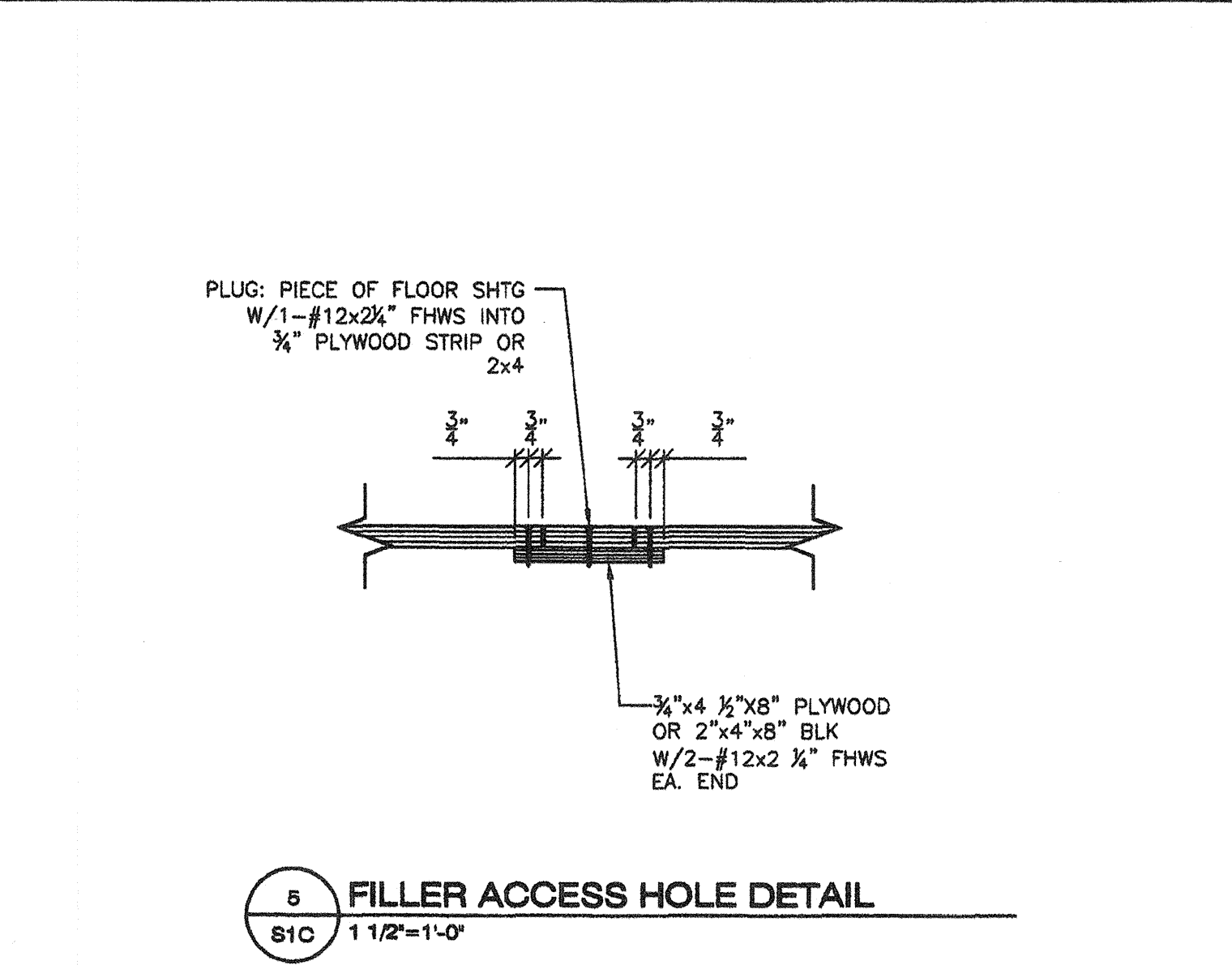
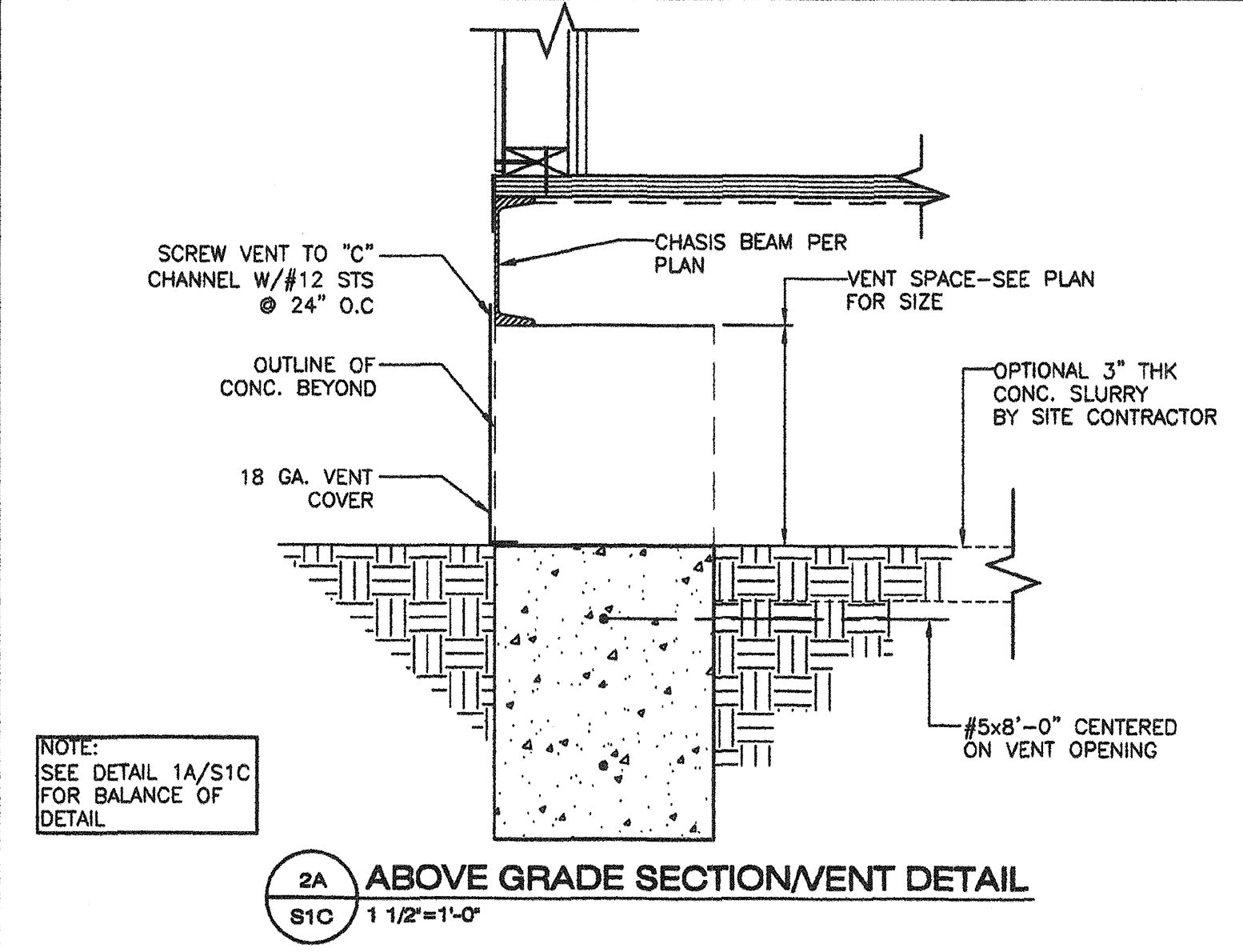
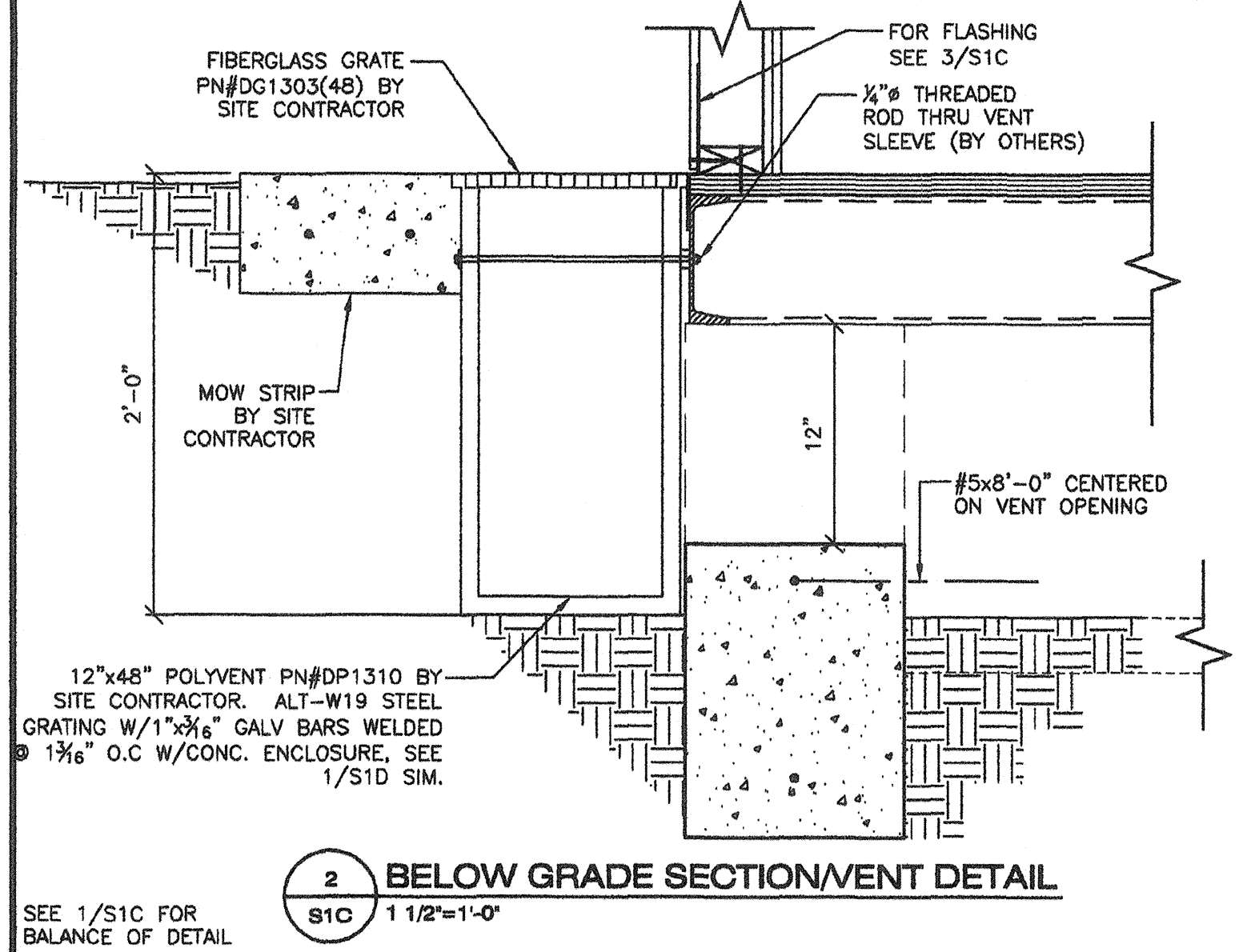
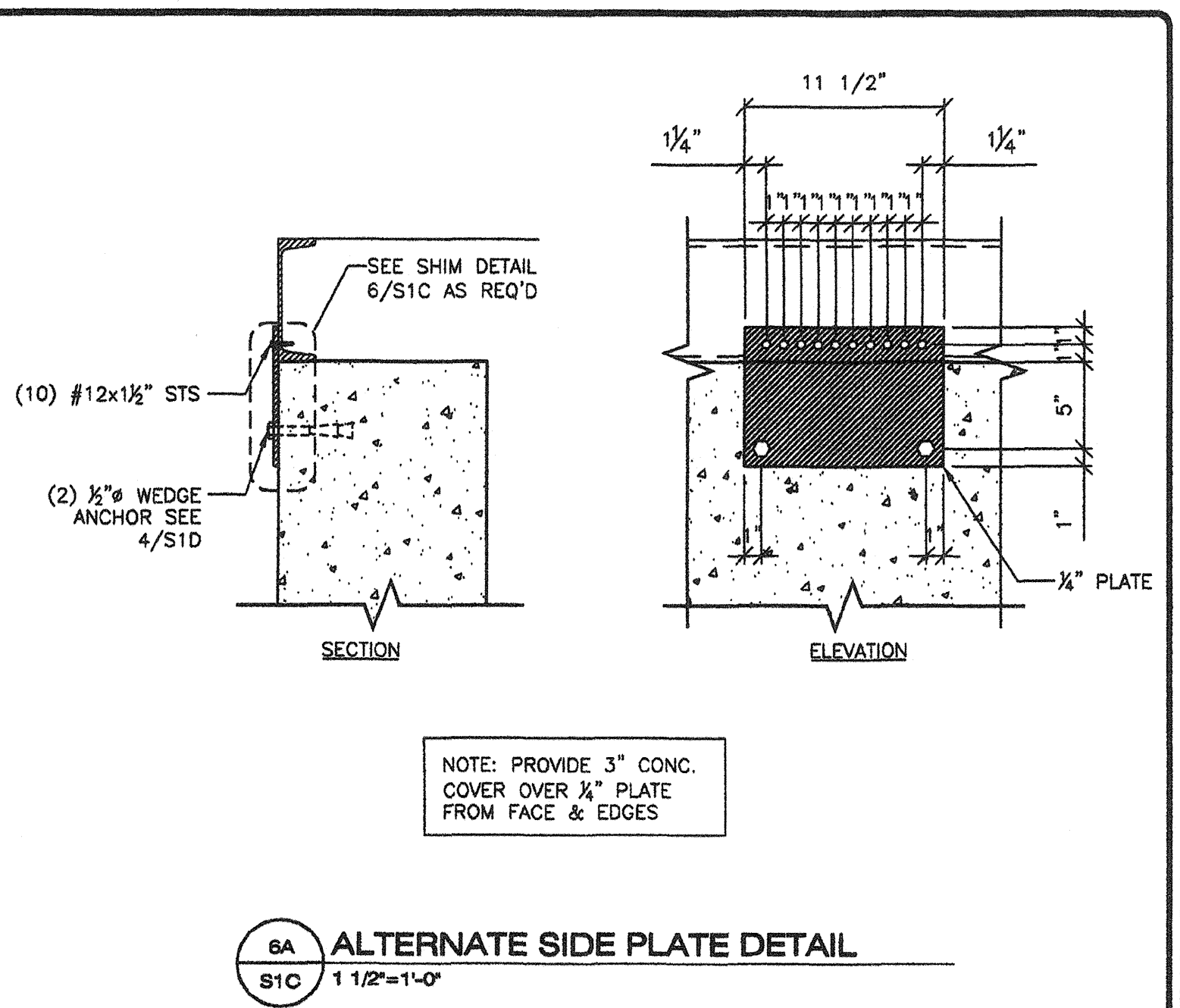
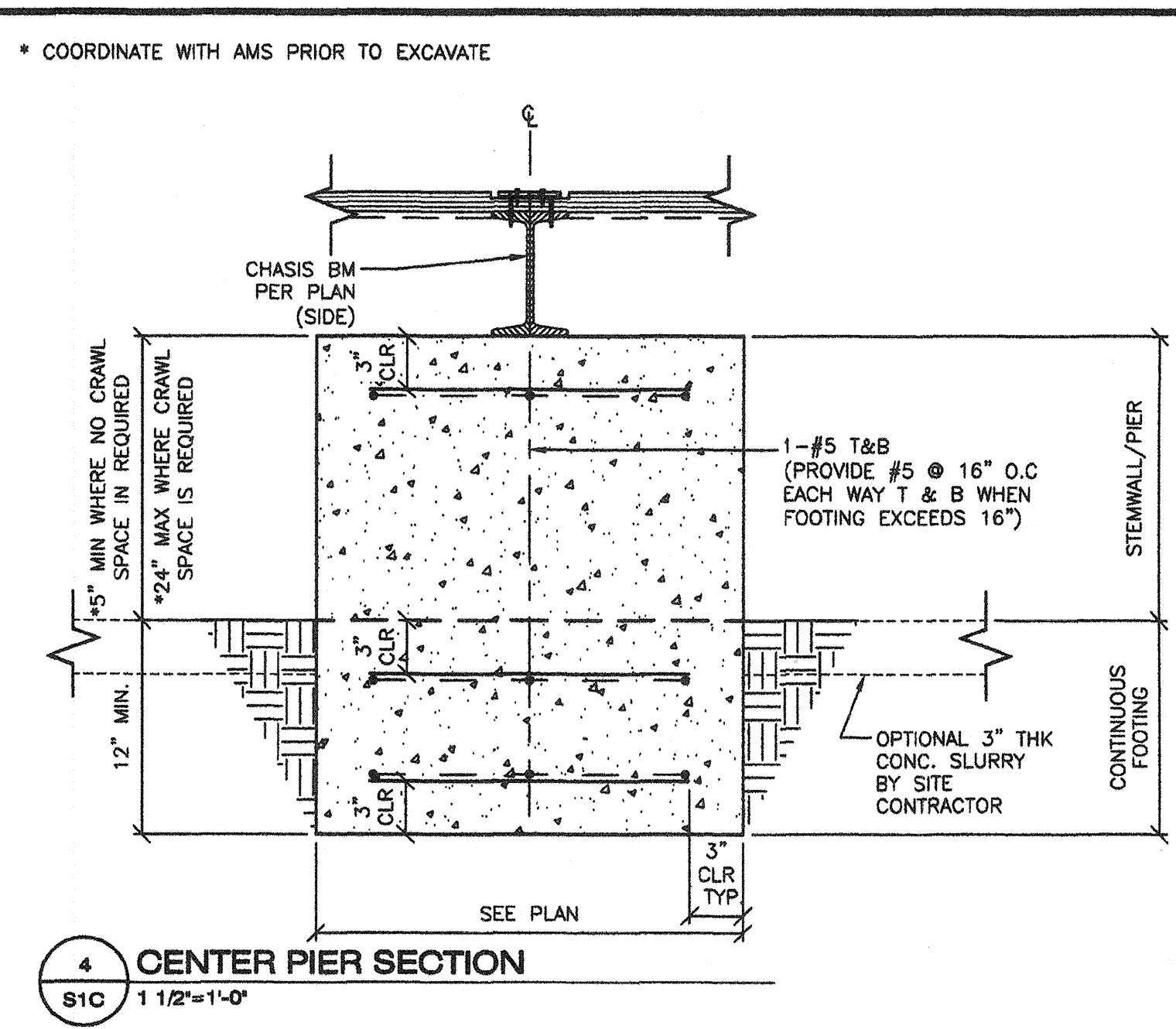
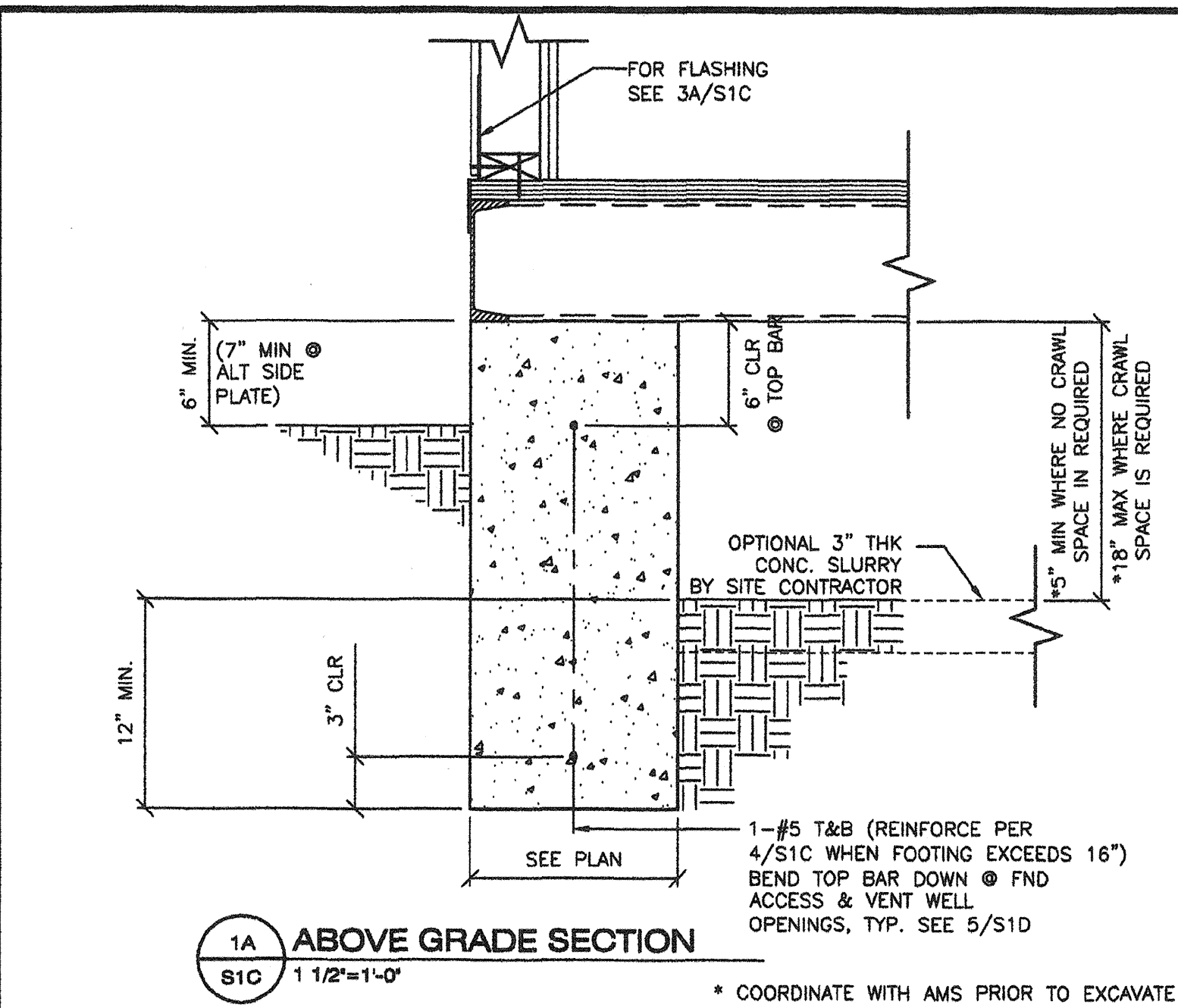
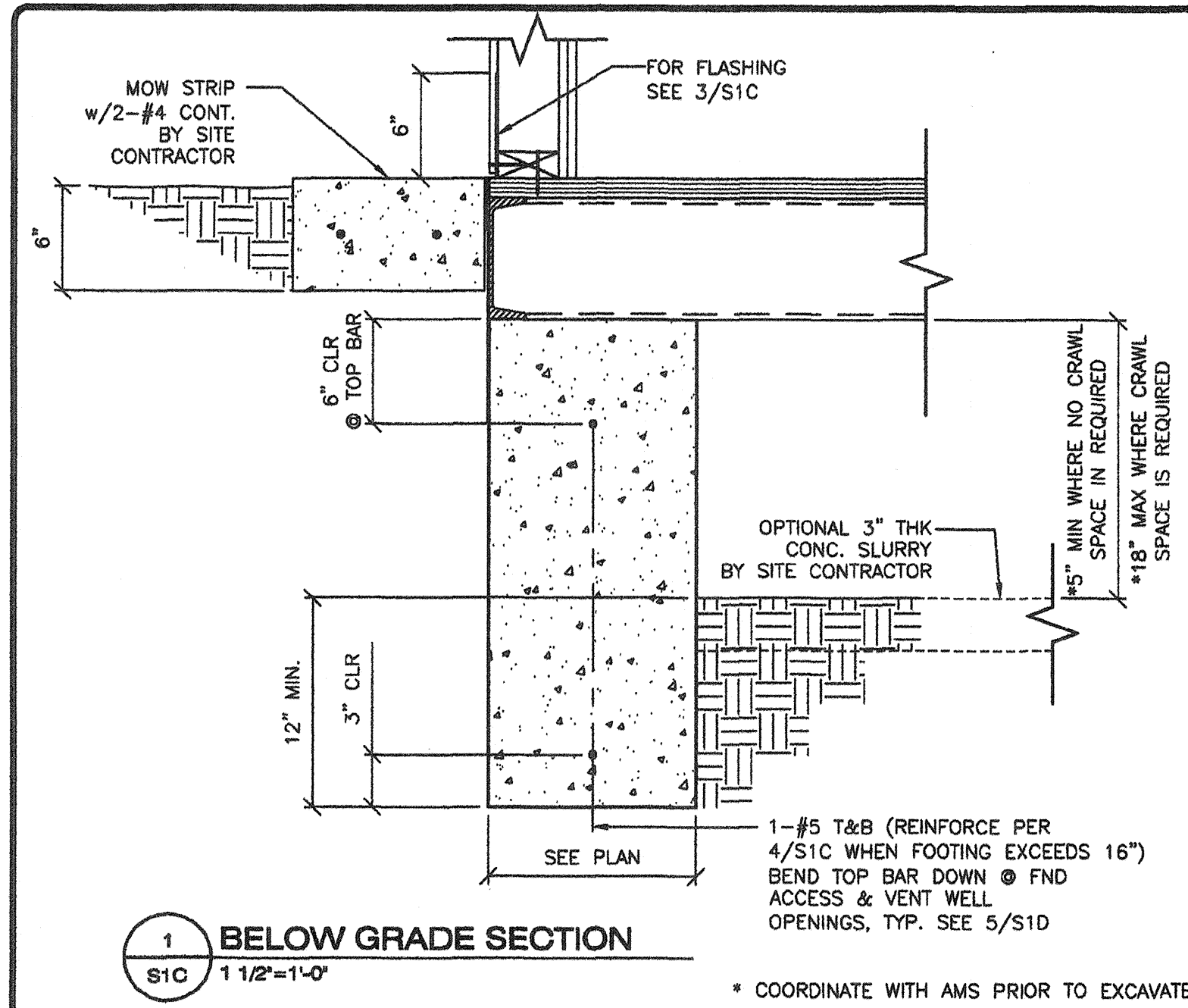
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
DATE: 2/23/09

PROJECT NO.
S1-C

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REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 01/23/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
CONCRETE FOOTING DETAILS

AMS
American Modular Systems Inc.
787 Spracosta Ave. Manteca, CA 95336
(209)625-1921 Fax (209)625-7018
americanmodular.com

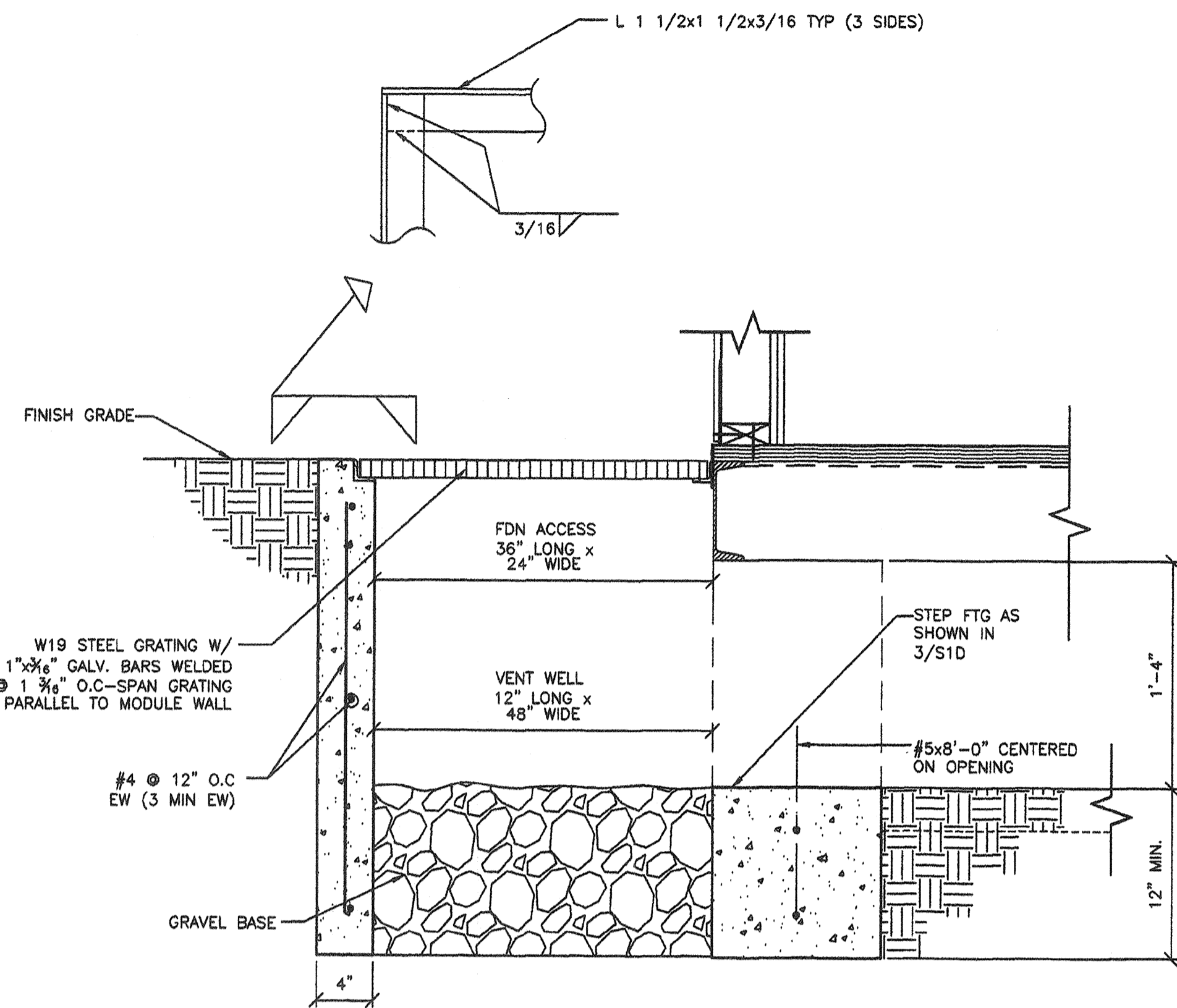
APPROVALS:
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REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Loret
No. 418
Exp. 3/31/09
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
DATE: 3/23/09

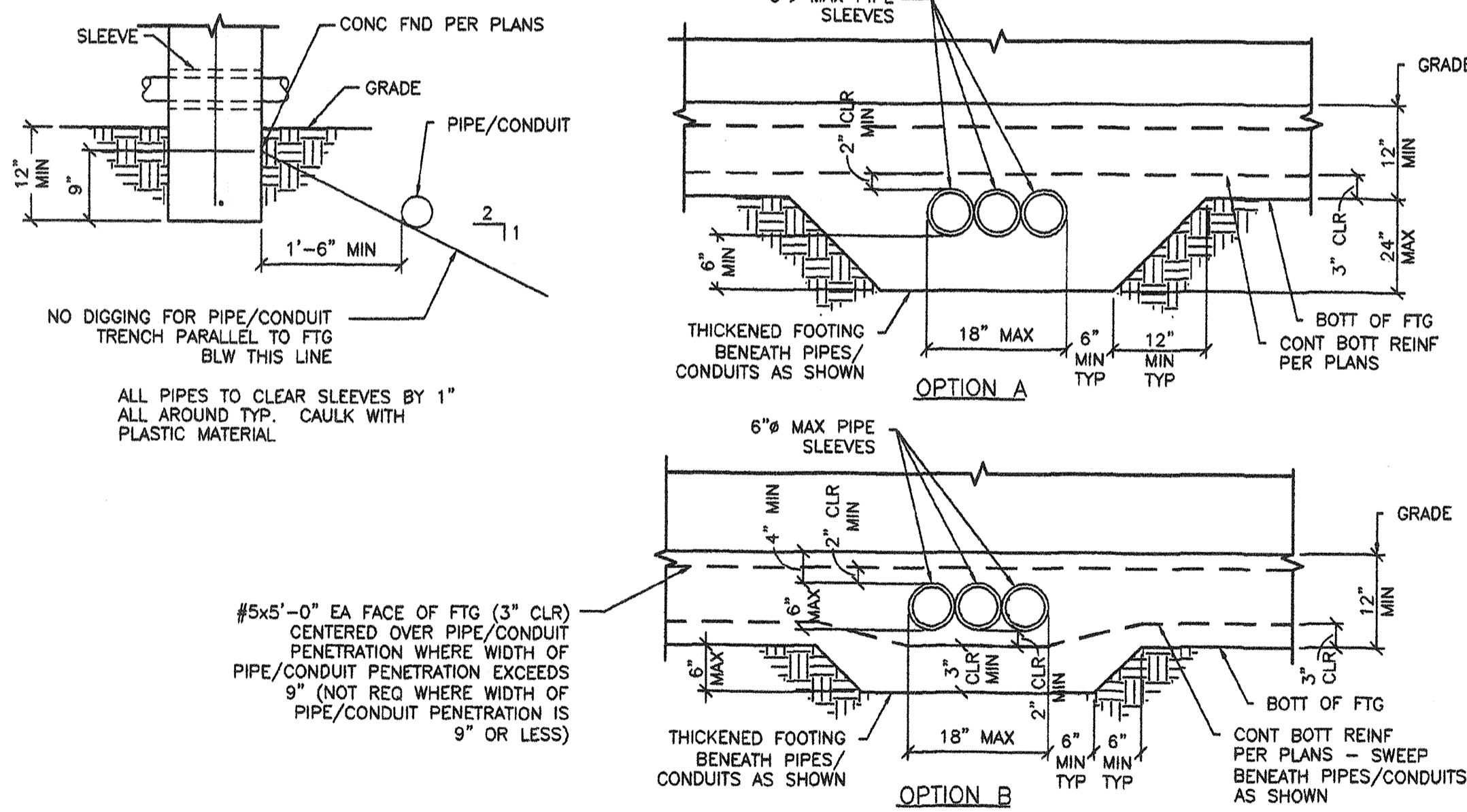
PROJECT No.
S1C-4

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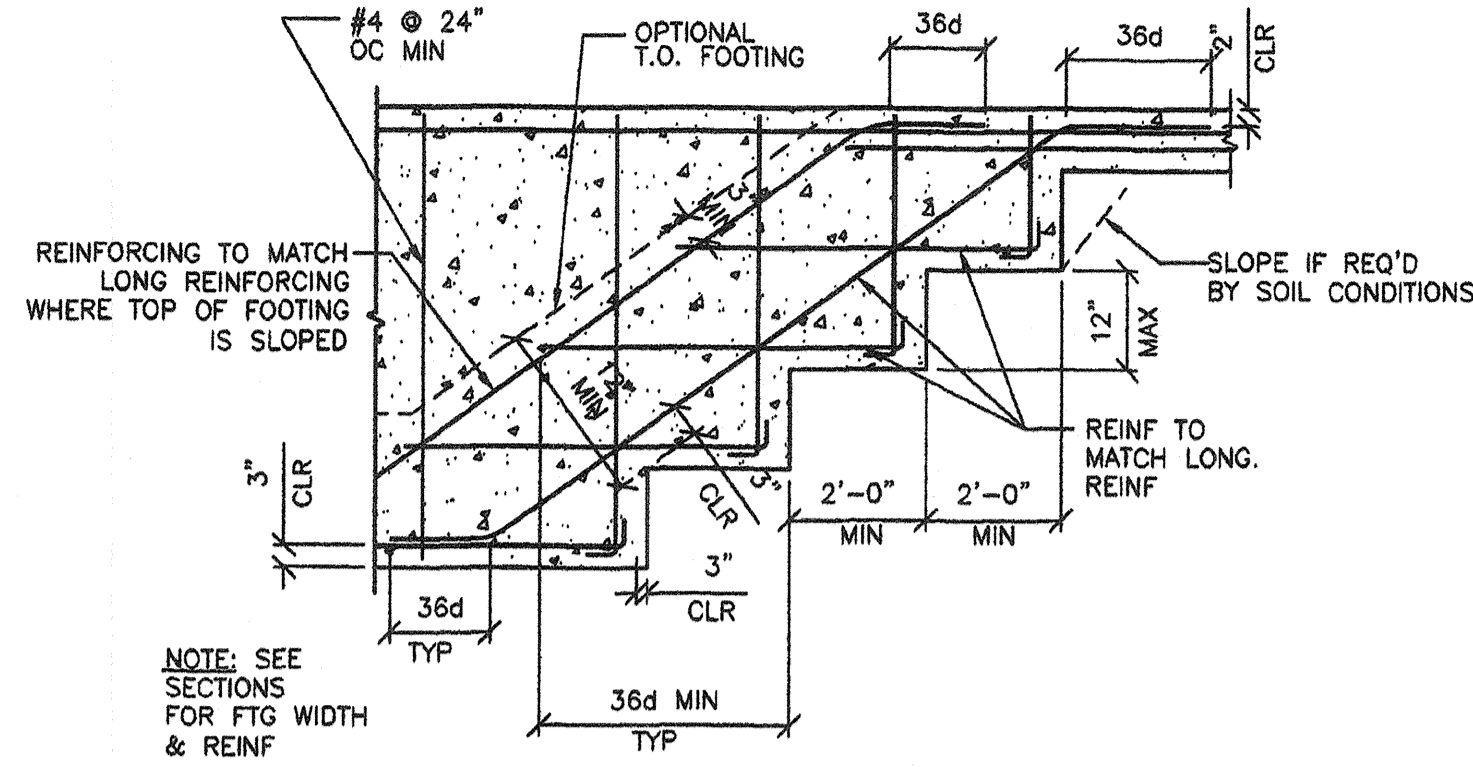


1 OPTIONAL FOUNDATION ACCESS/VENT WELL
S1D 1 1/2"=1'-0"

- NOTES:
- AS AN OPTION TO INDIVIDUAL PIPE SLEEVES THE FOOTING MAY BE BLOCKED OUT FOR MULTIPLE PIPES (8" HIGH x 18" WIDE MAX @ OPTION "A", 6" HIGH x 18" WIDE MAX OPTION "B") PROVIDE 1" MIN CLEARANCE ALL AROUND BTWN PIPES/CONDUITS & BLOCKOUT/SLEEVES & FILL W/ CAULK.
 - CONCRETE SHALL BE WELL CONSOLIDATED AROUND & UNDER PIPES, CONDUITS, SLEEVES, BLOCKOUTS TO PREVENT CONCRETE VOIDS.
 - PROVIDE 2" CLEAR MIN BETWEEN BLOCKOUT/SLEEVES AND REINFORCEMENT.
 - WHERE TOP OF PIPES/CONDUITS ARE 12" OR MORE BELOW THE BOTTOM OF THE FOOTING, THICKENED FOOTING AROUND PIPES/CONDUITS IS NOT REQUIRED. BACKFILL & COMPACT TO 95% OVER PIPES/CONDUITS PRIOR TO PLACING FOOTING.



2 PIPE SLEEVE DETAIL
S1D 1 1/2"=1'-0"



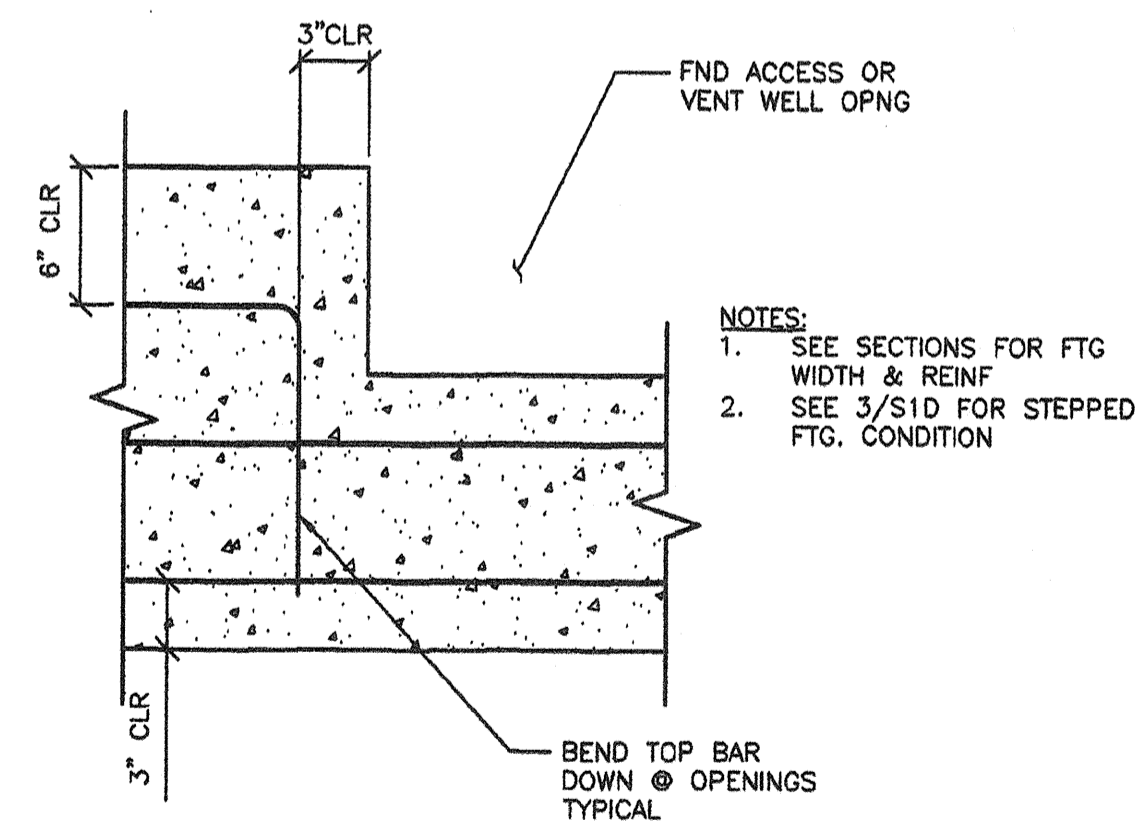
3 TYPICAL STEPPED FOOTING
S1D N.T.S.

CONCRETE ANCHOR SCHEDULE		
FLOOR LOAD	SUBFLOOR	ANCHOR SIZE
50	WOOD	1/2"Ø
50 + 15	WOOD	1/2"Ø
100	WOOD	1/2"Ø
100	CONCRETE	3/4"Ø
150	WOOD	5/8"Ø
150	CONCRETE	3/4"Ø SIMPSON STRONG BOLT REFER TO 4/S1D

ANCHOR TYPE	HILTI KWIK KB-TZ ICC ESR-1917			SIMPSON STRONG-BOLT ICC ESR-1771		
	1/2"Ø	5/8"Ø	3/4"Ø	1/2"Ø	5/8"Ø	3/4"Ø
ANCHOR SIZE (IN)	1/2"Ø	5/8"Ø	3/4"Ø	1/2"Ø	5/8"Ø	3/4"Ø
MIN EMBED (IN)	4"	4 3/4"	5 3/4"	3 7/8"	5 1/8"	5 3/4"
TENSION TEST LBS (SINGLE BOLT)	5121#	7395#	7456#	3826#	6378#	5150#
TENSION TEST LBS (DOUBLE BOLT)	5121#	6174#	5889#	3826#	5102#	4122#
INSTALLATION TORQUE (FT-LB)	40	60	110	50	85	180

- TENSION TEST - 2 x ALLOWABLE TENSION LOAD PER DSA IR 19-1.
- NORMAL WEIGHT CONCRETE WITH $f'_{c} = 2500$ PSI TO COMPLY WITH 1918A.4 FOR MATERIAL TEST WAIVER.
- MINIMUM EDGE DISTANCE REQUIRED 4 5/8"

4 ANCHOR BOLT SCHEDULE
S1D N.T.S.



5 VENT/ACCESS VENT OPENING DETAIL
S1D 1 1/2"=1'-0"

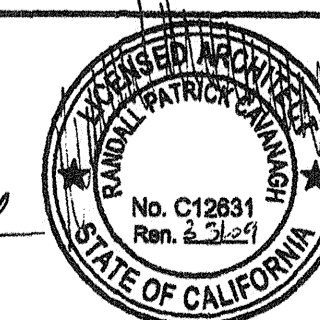
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 11/19/2007
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
CONCRETE FOOTING DETAILS



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

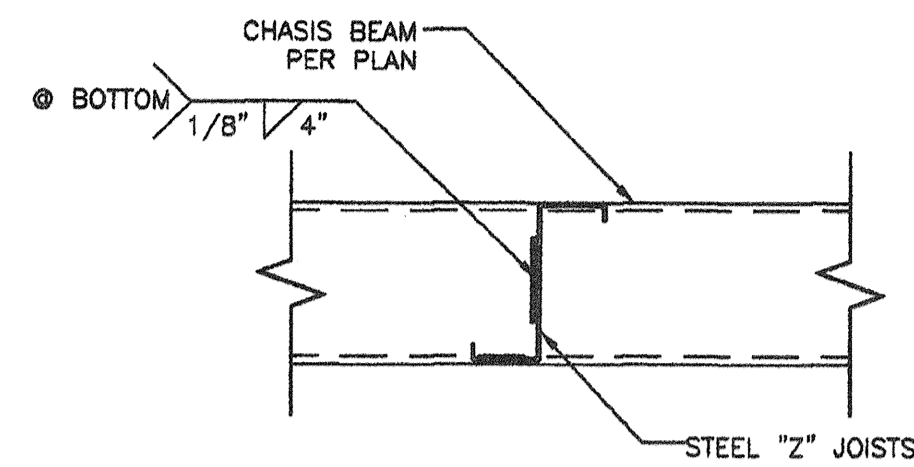


COMMUNITY DEVELOPMENT DIV. OF THE STATE ARCHITECT
02 118549
AC FLS SS
DATE 9-2-2010

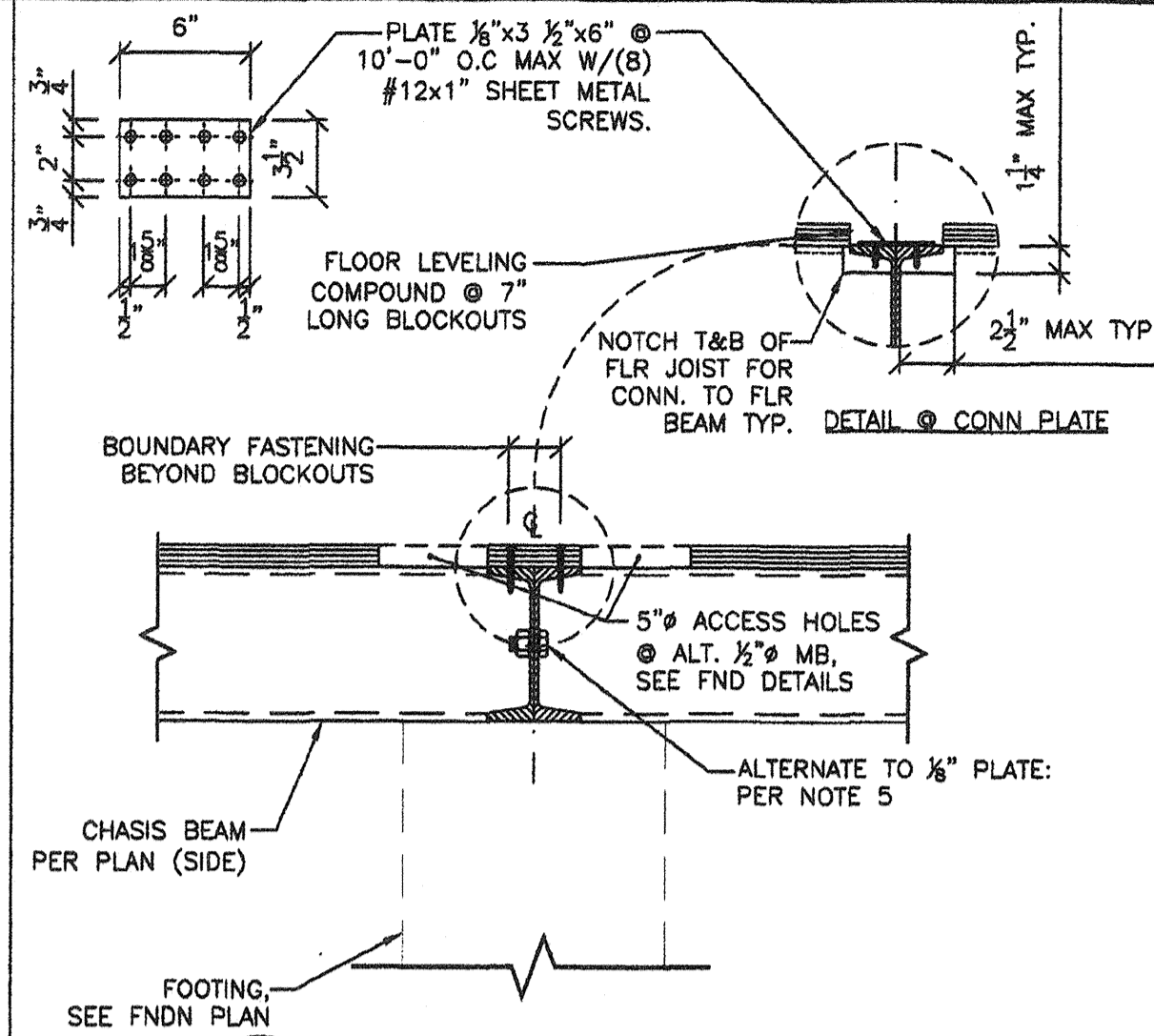
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-108695
AC FLS SS
DATE 3/23/2009

PROJECT No.
S1D-C

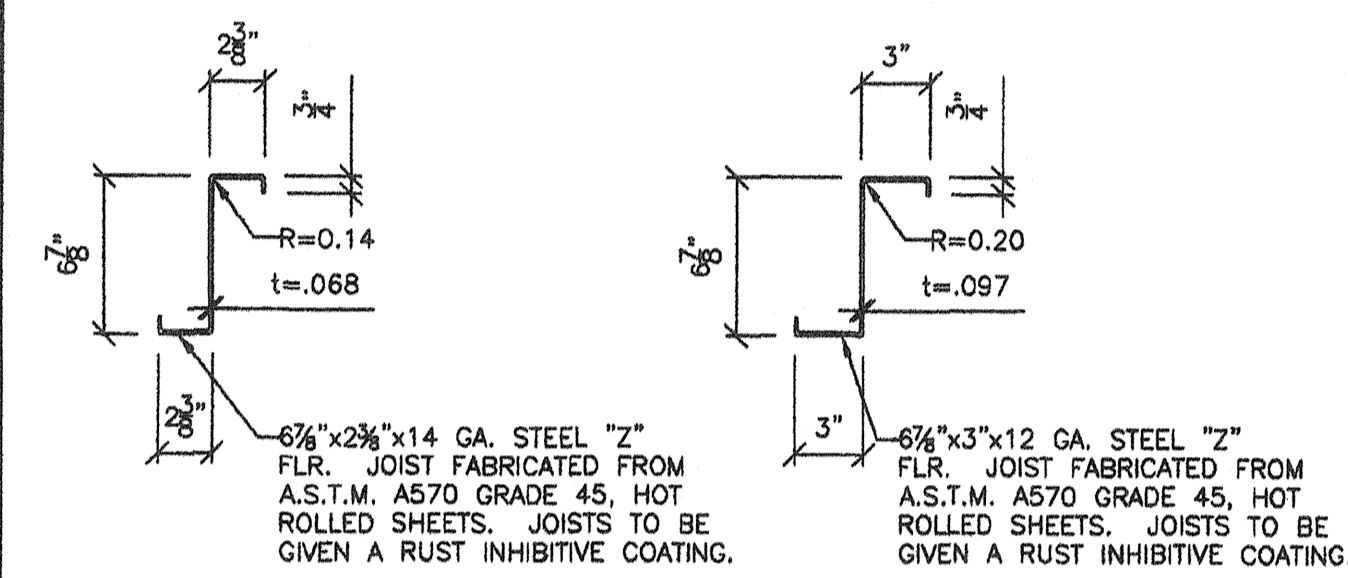
TYP FLOOR JOIST COPING



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



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



14 GA. JOIST

12 GA. JOIST

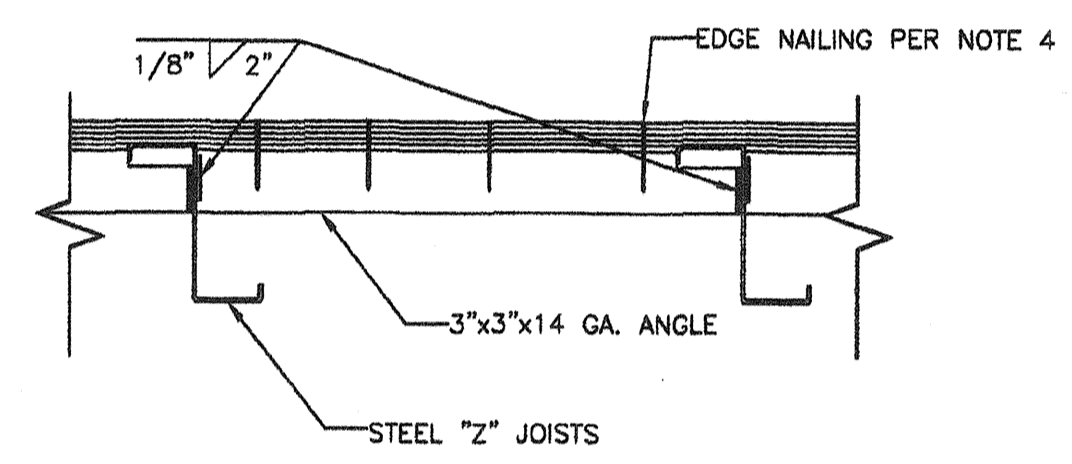
Z SECTION PROPERTIES

A=0.89 IN. ²
Sx=1.85 IN. ³
Ix=6.37 IN. ⁴

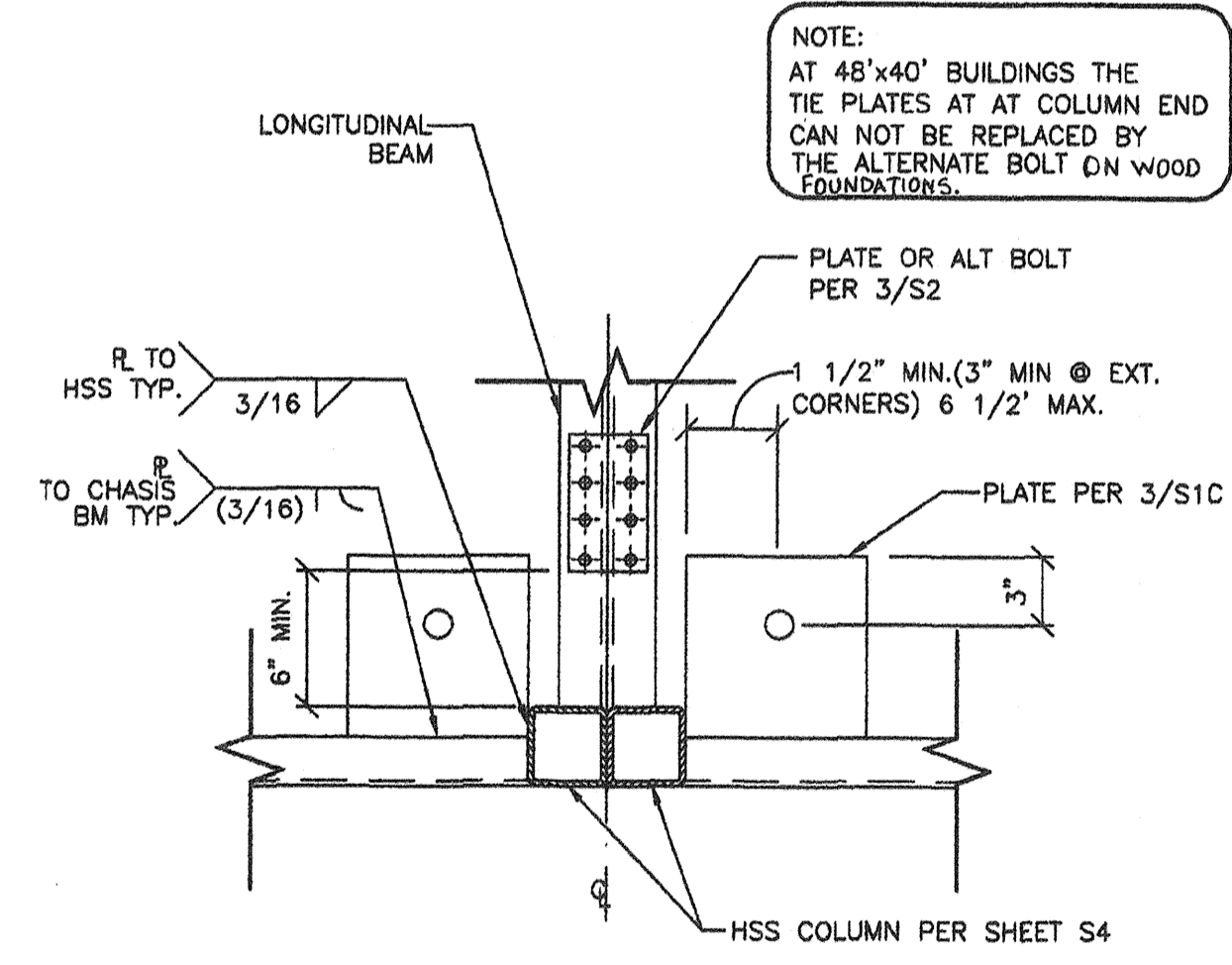
Z SECTION PROPERTIES

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

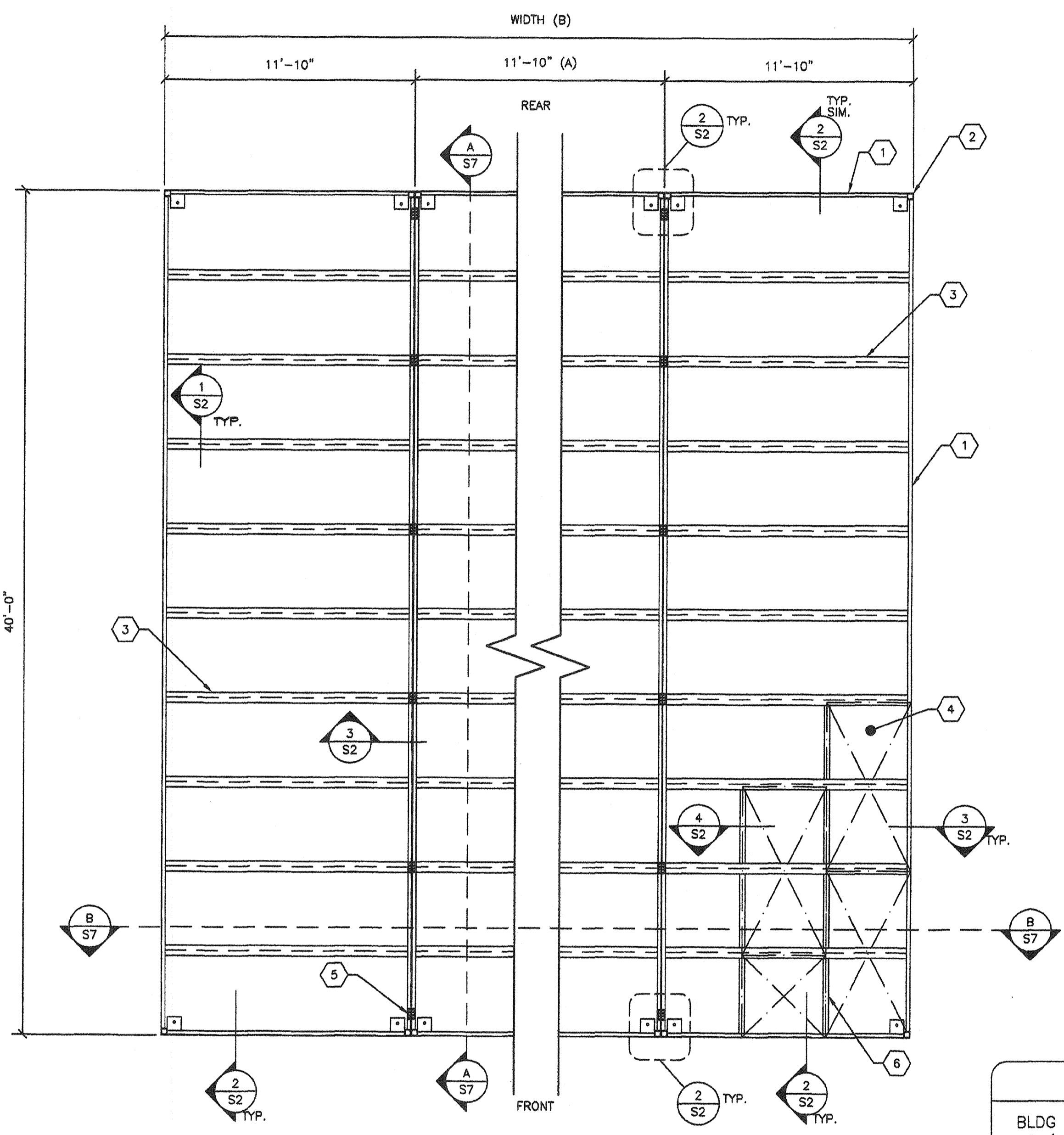
1A TYP JOISTS
S2 1 1/2"=1'-0"



4 TYP. ANGLE TO Z-PURLIN ATTACHMENT
S2 1 1/2"=1'-0"



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



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

- KEY NOTES -

- C 7x9.8 FLOOR BEAM ALTERNATE C10x15.3
- HSS COLUMN PER SHEET S4
- FLOOR JOIST (SEE 1A/S2)

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

- 1 1/8" T&G PLYWOOD FLOOR SH'T'G STURDI-I-FLOOR 48" O.C SPAN RATING EXP. 1 CONFORMING TO PS 1-95 OPTION: UNI-FLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PS 1-95. STAGGER SHEETS 48" O.C AS SHOWN W/ FACE GRAIN NORMAL TO FLOOR JOISTS. FASTENING: BOUNDARY OF EA. MODULE: #12x2 1/4" WOOD TEK @ CHANNEL @ 6" O.C. PANEL EDGES: ET&F 0.144"x2" MIN. POWER DRIVEN PINS @ 6" O.C. FIELD: ET&F 0.144"x2" MIN. POWER DRIVEN PINS @ 10" O.C.
NOTE: SEE ICC ER-4144 FOR ET&F BRAND PNEUMATIC PINS.
- PLATE 1/8"x 3 1/2"x6" W/(8)"#12x1" SHEET METAL SCREWS @ 10'-0" O.C MAX
ALTERNATE: 1/2"x1 1/2" MB @ 10'-0" O.C TYP (8'-0" O.C. MAX @ 48"x40' 150 PSF FLOOR LIVE LOAD BUILDING ON WOOD FOUNDATIONS) MAX AND 6" MAX FROM EACH END OF MODULE. BOLT @ 1/2" MAX HOLE THRU CHANNELS
- 3"x3"x14 GA. ANGLE @ UNSUPPORTED PLYWOOD EDGES @ THE TWO END MODULES OF 48"x40' 150 P.S.F BUILDING ON WOOD FOUNDATION ONLY. PER DETAIL 4/S2

- GENERAL NOTES -

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

- MODULE SCHEDULE -

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

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 02/11/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS FLOOR FRAMING PLANS (PLYWOOD)

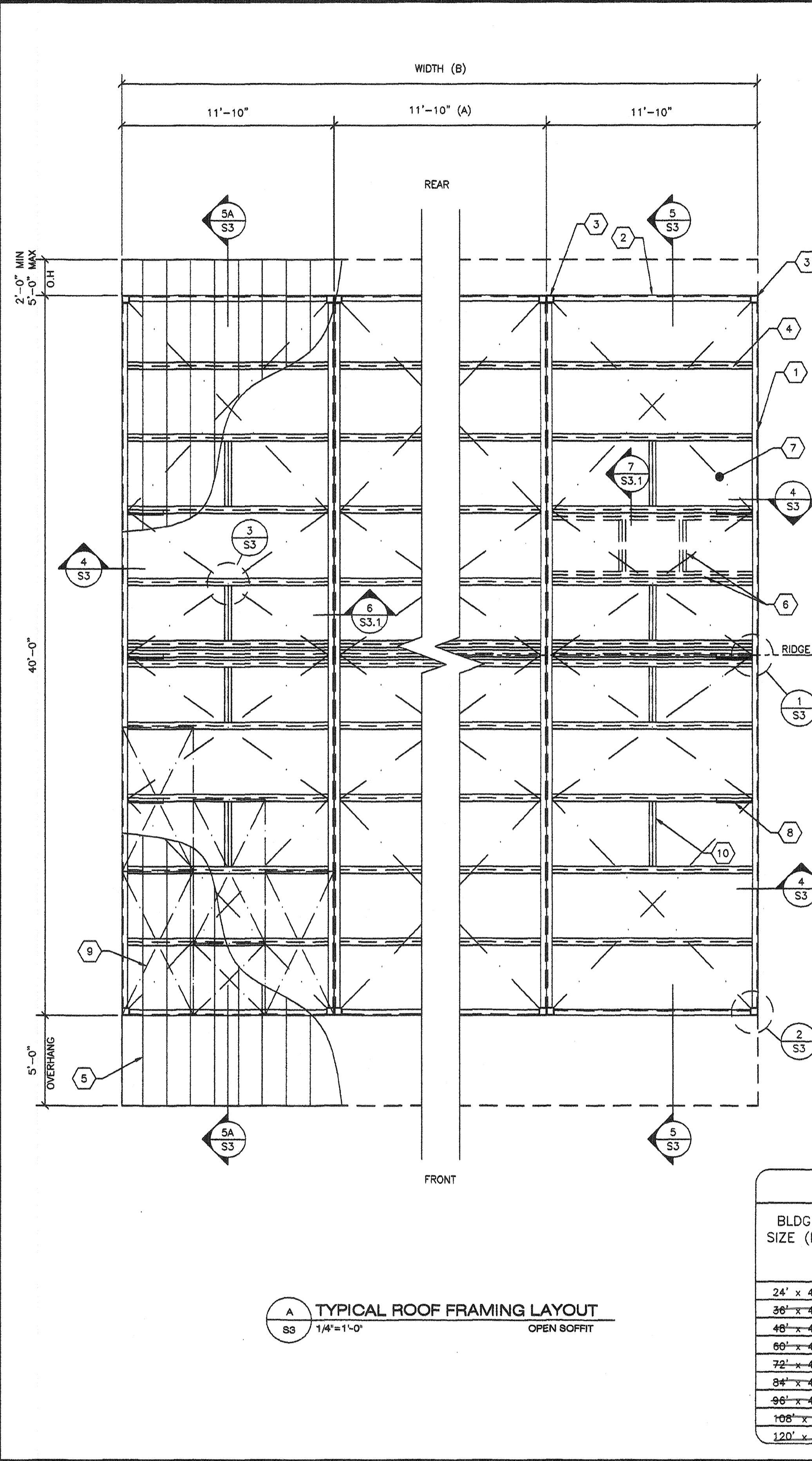
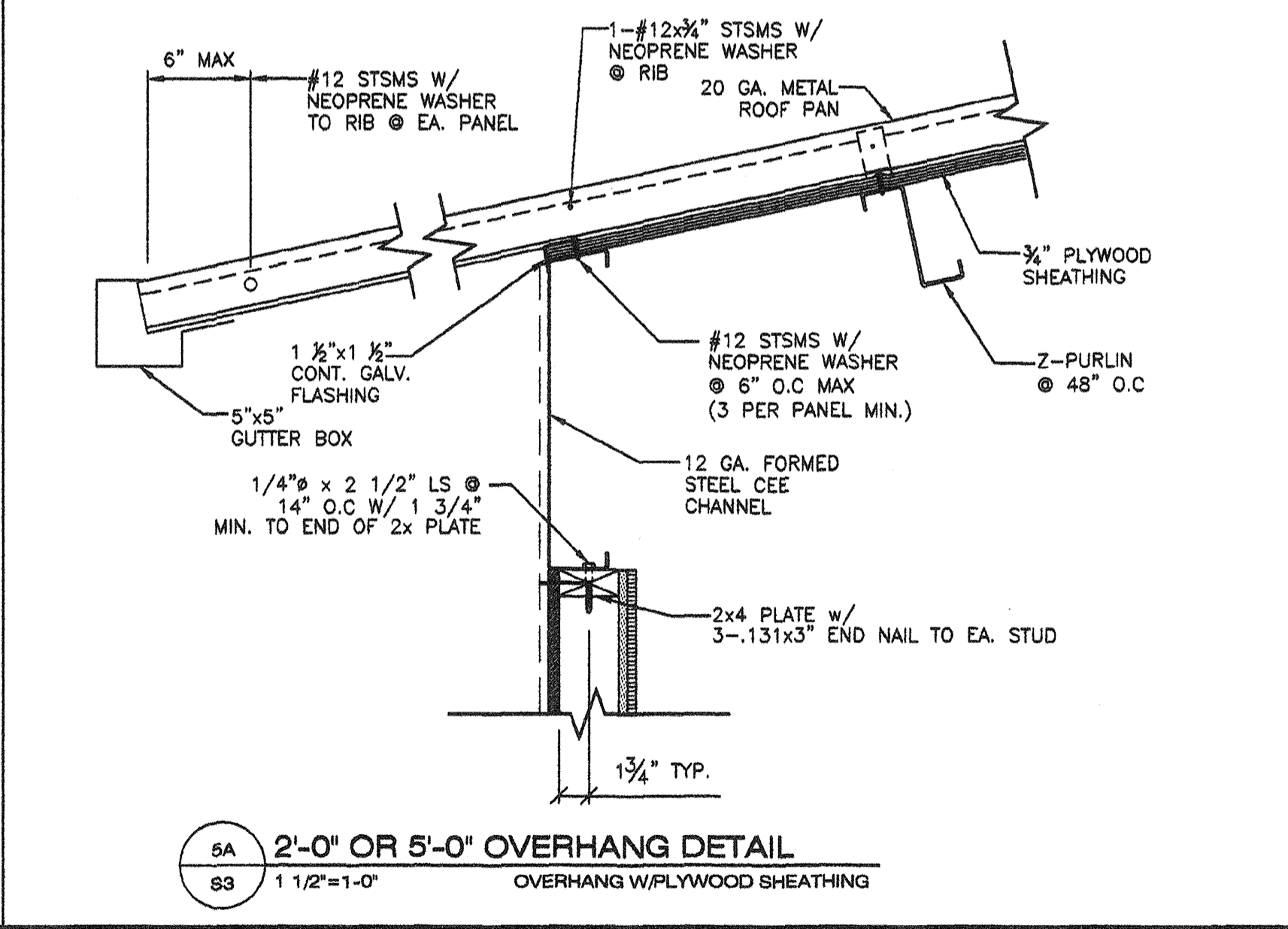
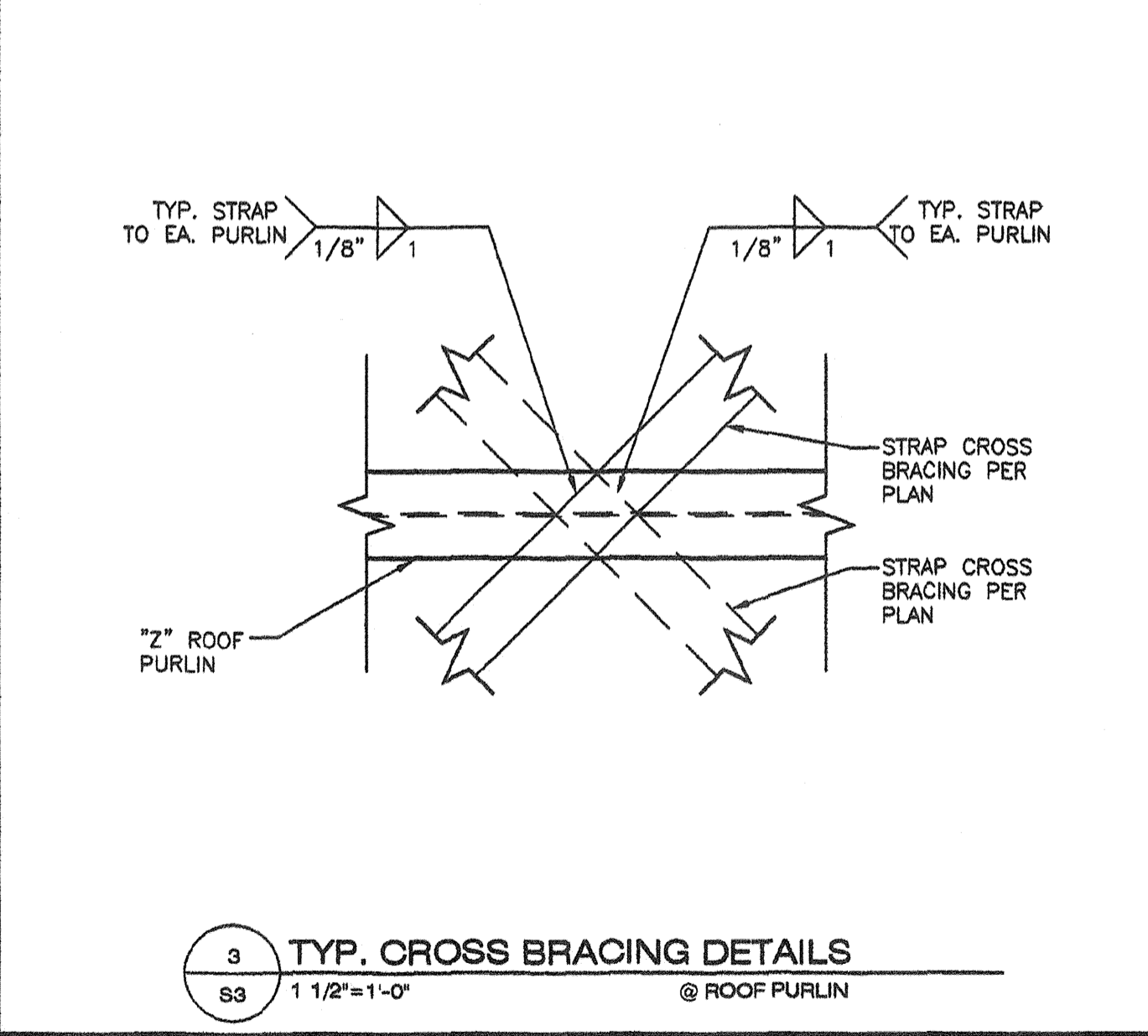
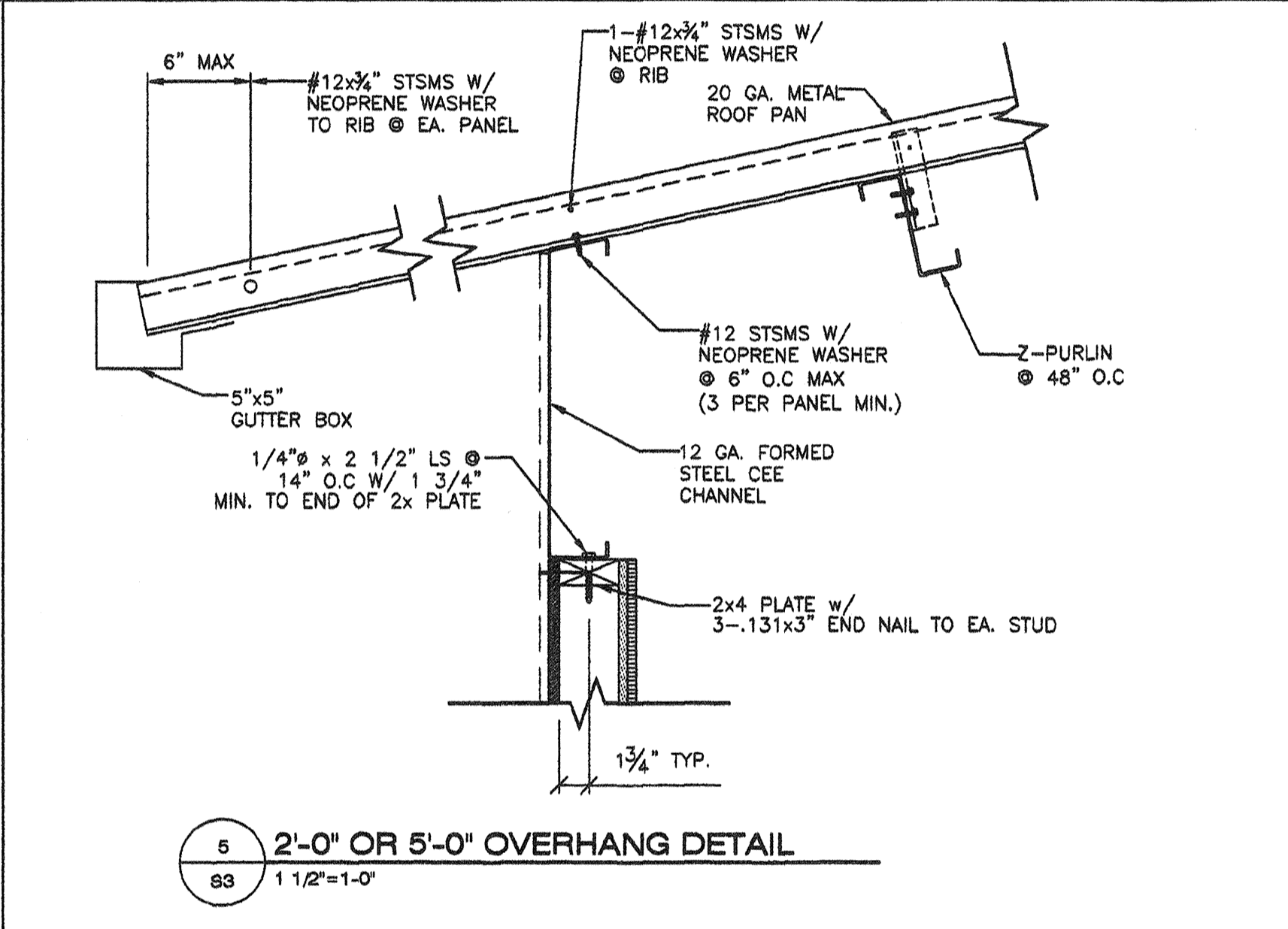
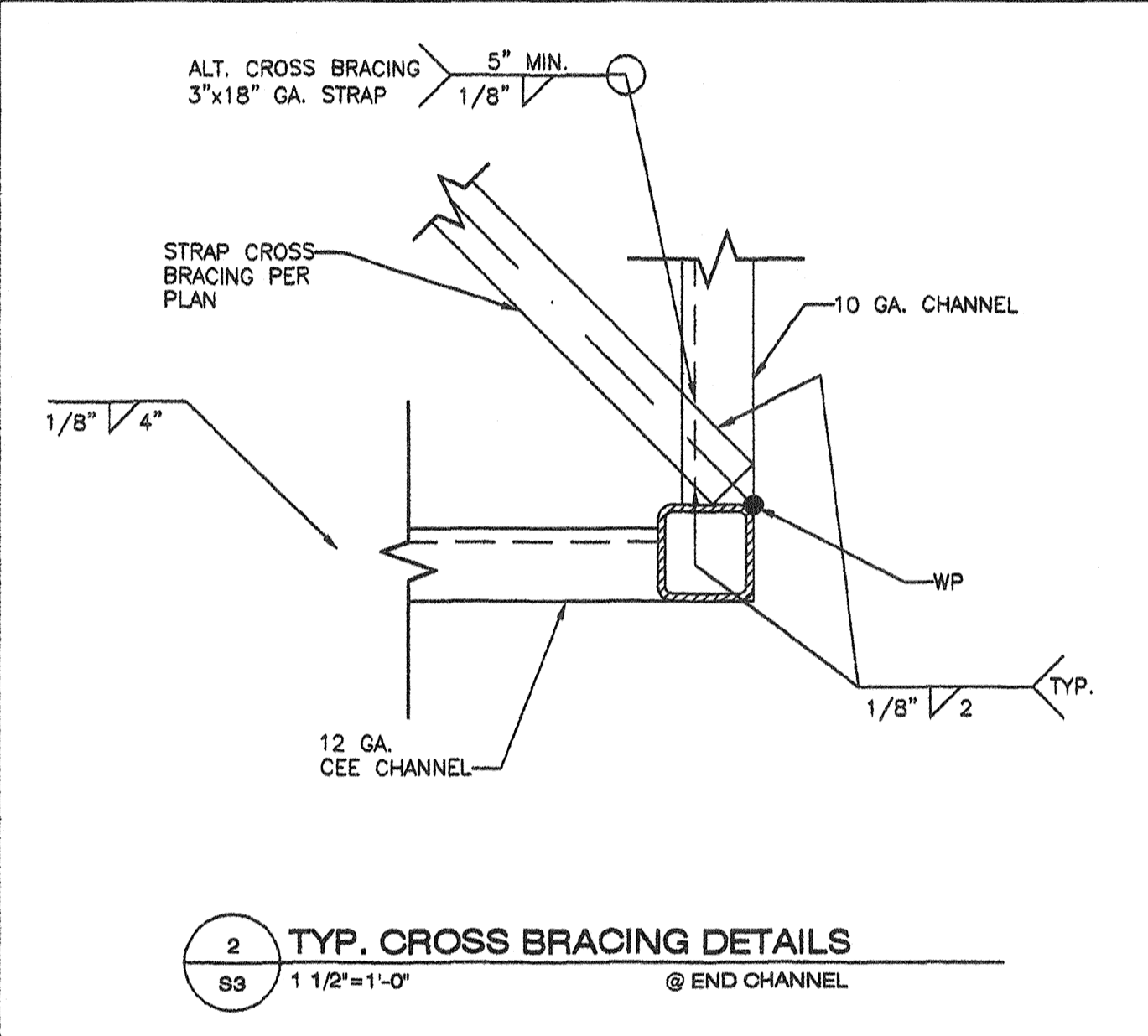
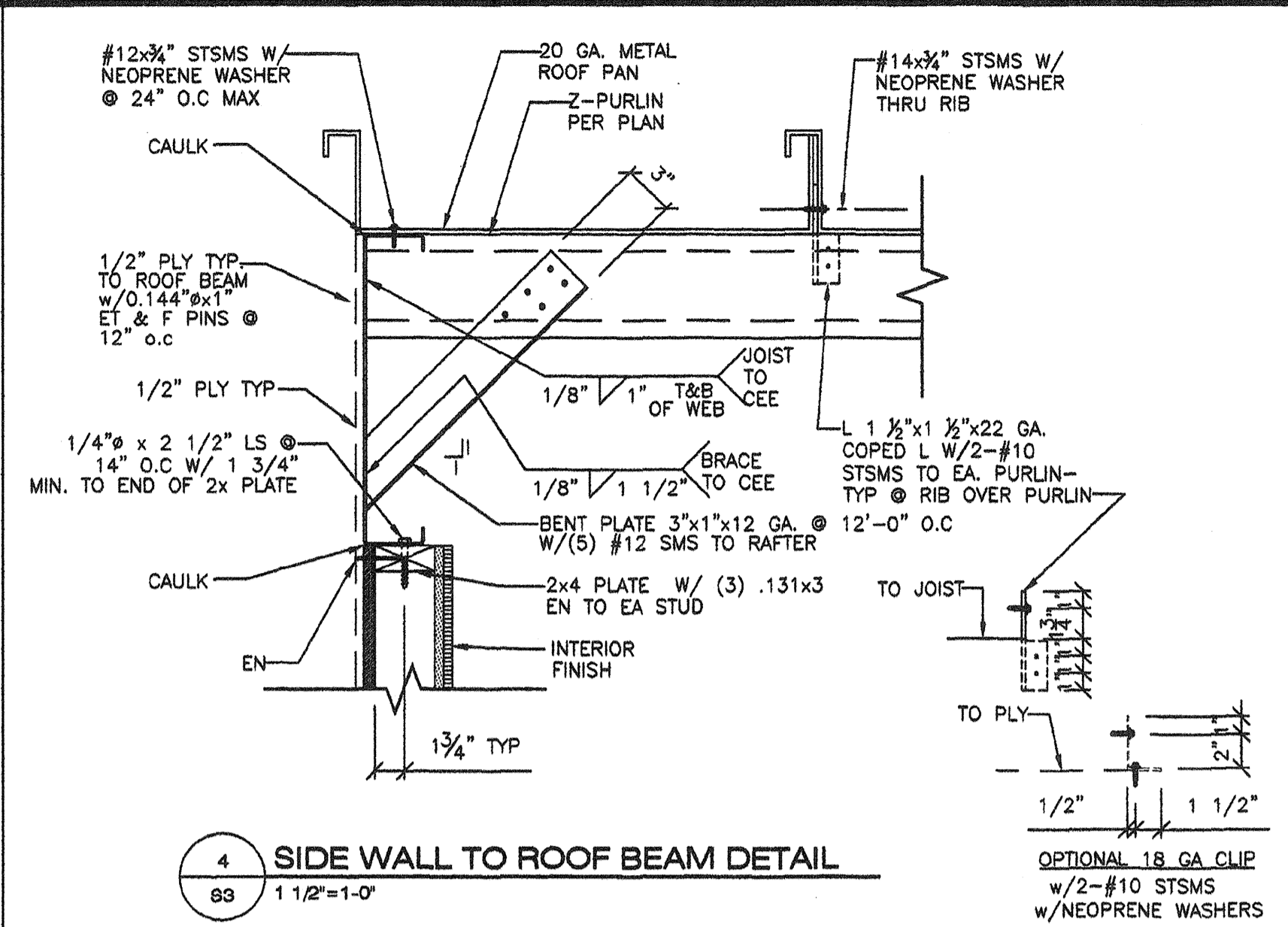
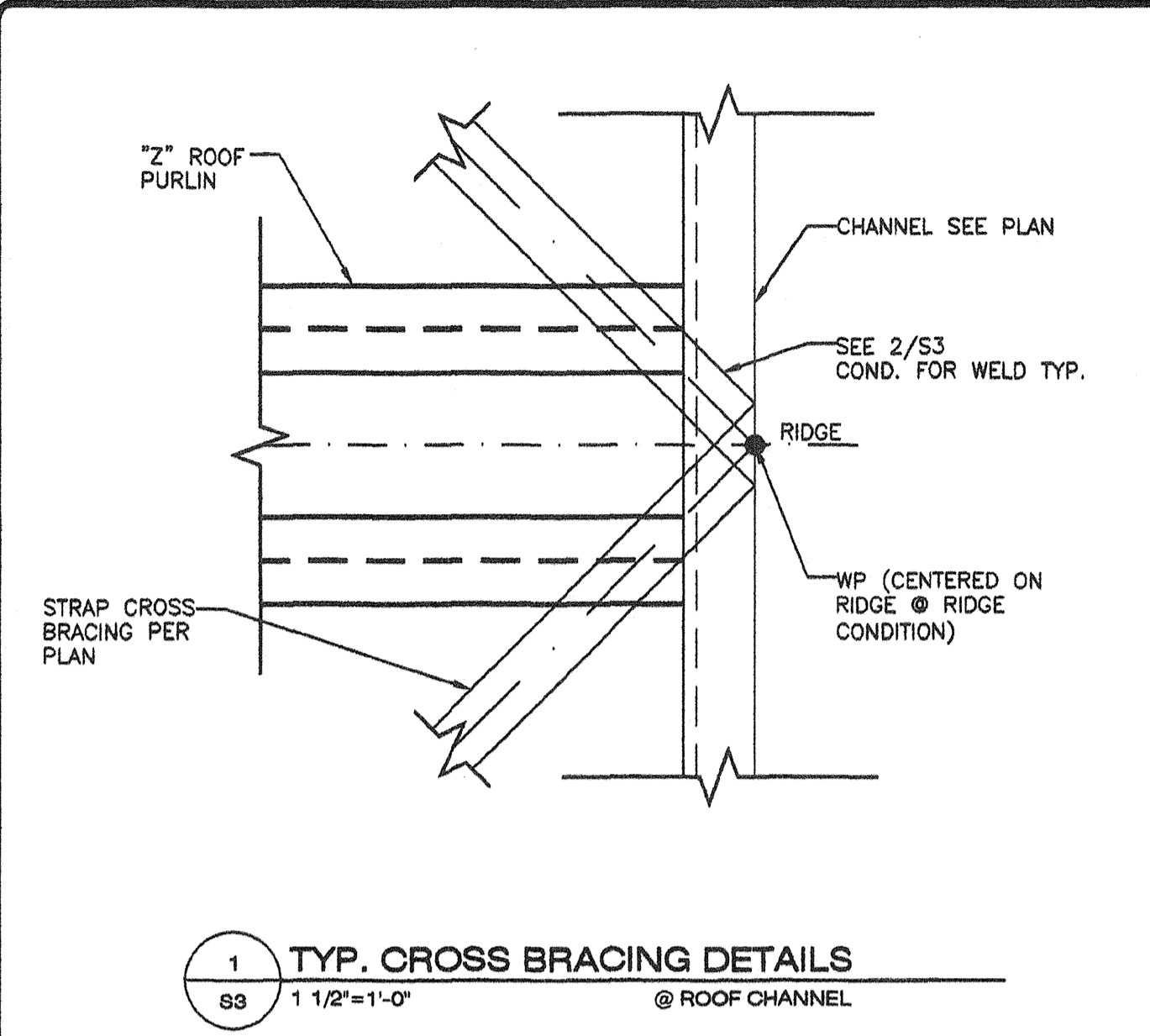
AMS
American Modular Systems Inc.
787 Sprackels Ave. Manteca, CA 95336
(209)525-1921 Fax: (209)925-7013
americanmodular.com

APPROVALS:
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REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Lubini
No. 4418
Exp. 3/31/09
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
C3 118549
AC: FLS SS (8/8)
DATE: 9-2-2010
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109895
AC: FLS SS (8/8)
DATE: 3/23/2009

PROJECT No.
PC
S2-C

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- KEY NOTES -**
- LONGITUDINAL ROOF BEAM TYP. (SEE 10/S3.1)
 - 12 GA TRANSVERSE ROOF BEAM TYP. (SEE 11/S3.1)
 - HSS COLUMN PER SHEET S4
 - 2' FORMED ROOF PURLINS @ 48" O.C. MAX (SEE 9/S3.1)
 - 20 GA. ROOF PAN 3 SPAN CONTINUOUS MIN. (SEE 8/S3.1)
 - PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG PER 7/S3.1 @ OPTIONAL ROOF MOUNT HVAC. (MAX WEIGHT 600#)
 - 2"x16 GA. STRAP CROSS BRACING GRADE 50 ALT. CROSS BRACING 3"x18 GA. GRADE 50
 - 3x12 GA. BENT PLATE BRACE PER 4/S3 @ EA. STRAP TO 10 GA. BM CONNECTION & @ 12'-0" OC MAX @ EXTERIOR WALL ONLY. PROVIDE 2 @ RIDGE & PROVIDE PURLIN BLKG PER NOTE 10 BELOW.
 - ALTERNATE TO CROSS BRACING: 3/4" APA RATED L-P OSB SHEATHING OR 3/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T&G OR EDGE CLIP) COMPLY WITH DSA PA-062, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF PURLINS ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO SCHEDULE BELOW FOR FASTENING.
 - PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 7/S3.1. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES @ PURLINS WITH DIAGONAL BRACING PER NOTE 8 ABOVE.

FASTENING SCHEDULE

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

ET & F 0.144 PINS PER ICC ESR #4144

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

- MODULE SCHEDULE -

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

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 02/06/08
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:
 2:12 PITCHED ROOF 24'x40' THRU 120'x40' RELOCATABLE BUILDINGS ROOF FRAMING PLANS (OPEN SOFFIT)

AMS
 American Modular Systems Inc.
 787 Sorensen Ave. Marietta, GA 30066
 (206)825-1921 Fax (206)825-7018
 americanmodular.com

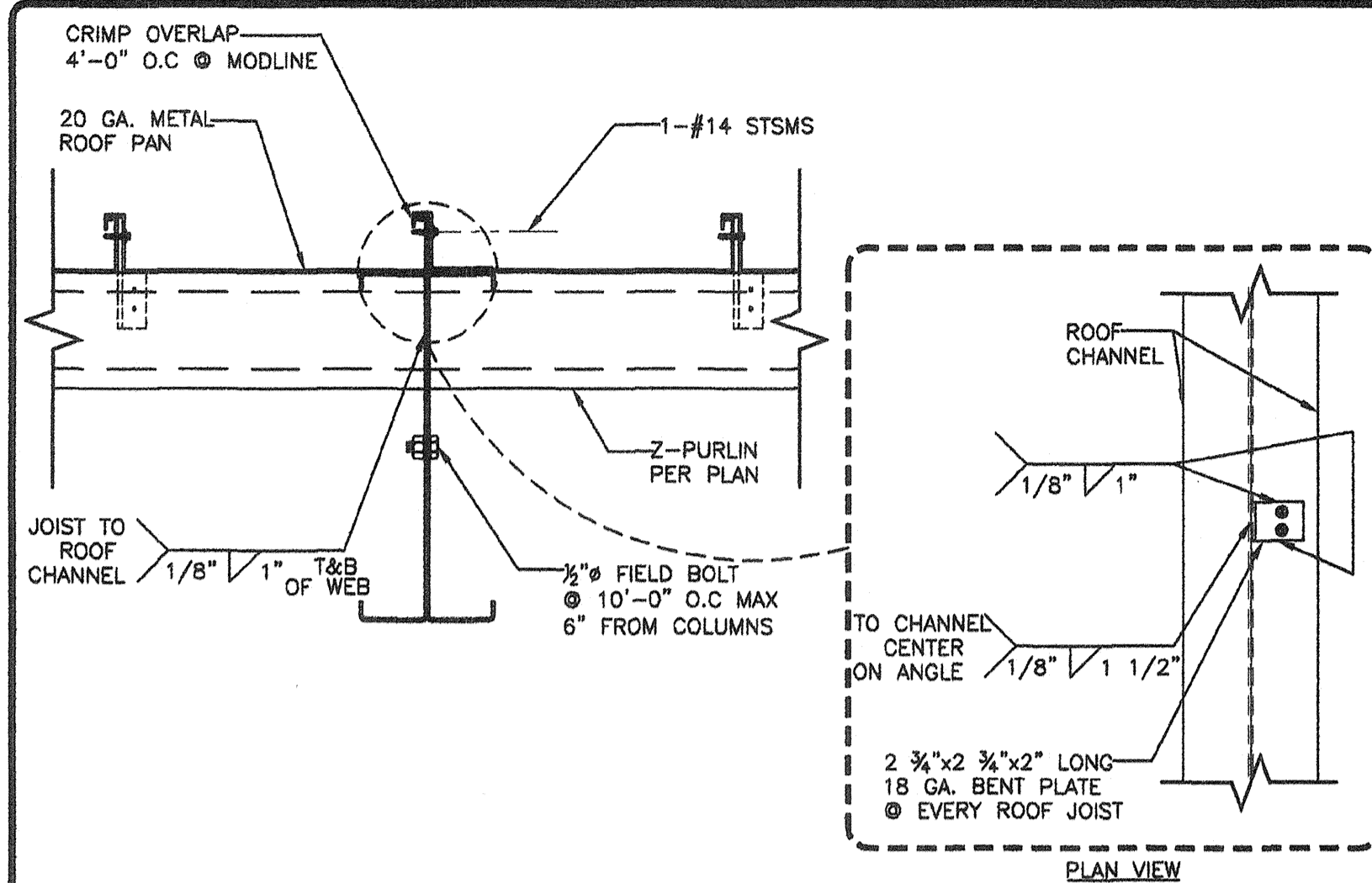
APPROVALS:
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REGISTERED PROFESSIONAL ENGINEER
 Kenneth A. Luttrell
 No. 1418
 Exp. 3-31-09
 Structural Engineer
 STATE OF CALIFORNIA

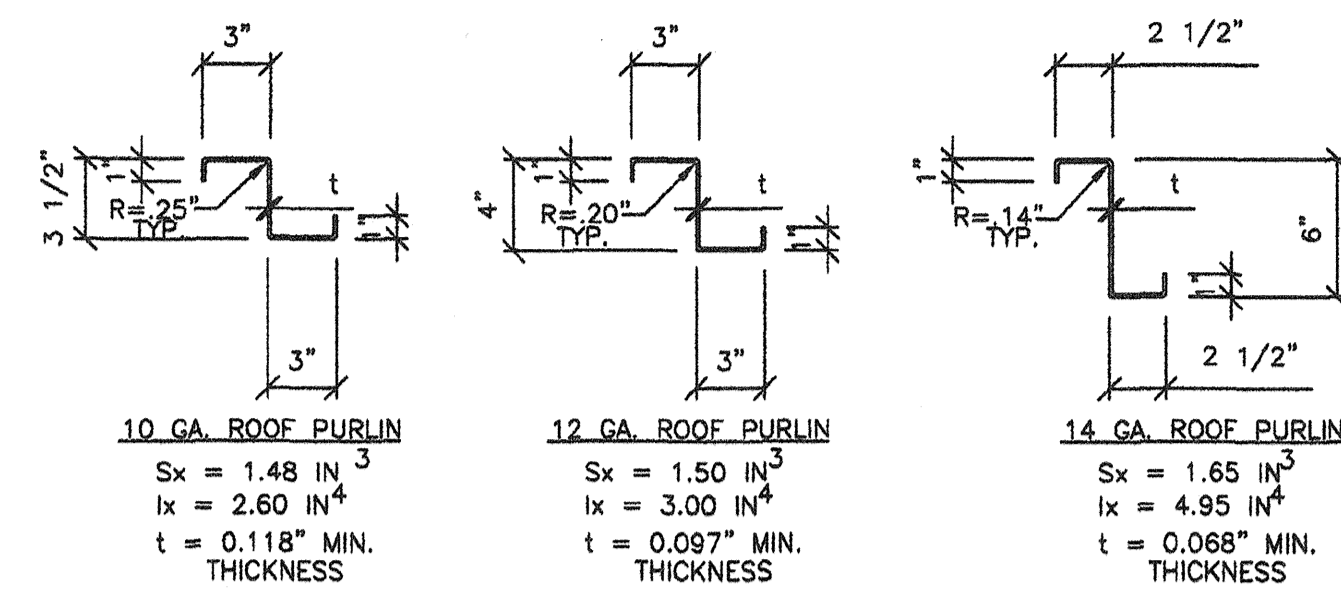
REGISTERED PROFESSIONAL ARCHITECT
 No. C12631
 Ren. 3.31.07
 STATE OF CALIFORNIA

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 02-109695
 DATE 9-2-2010

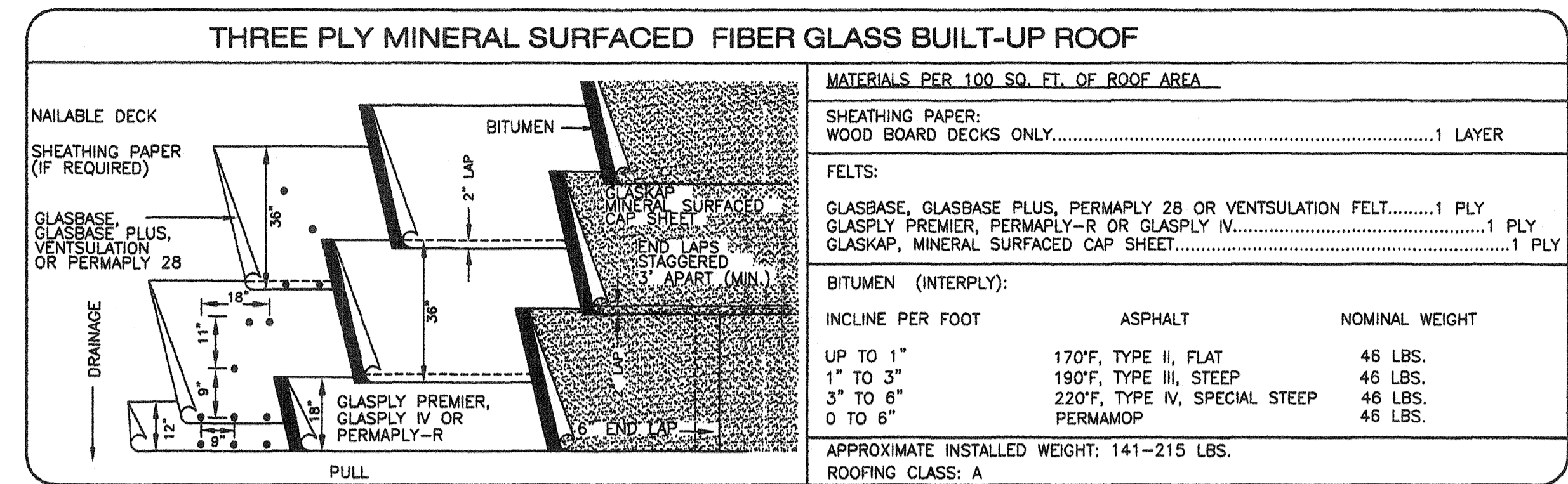
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 PC
S3-C



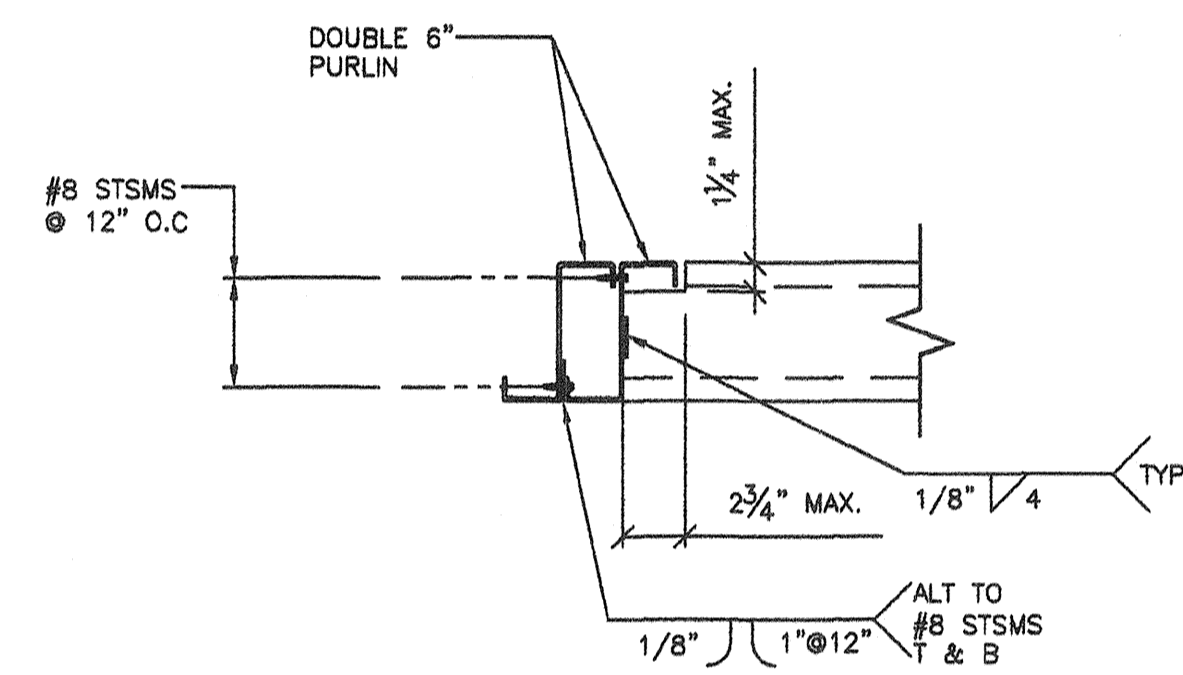
6 ROOF BEAM CONNECTION DETAIL
S3.1 1 1/2"=1'-0"



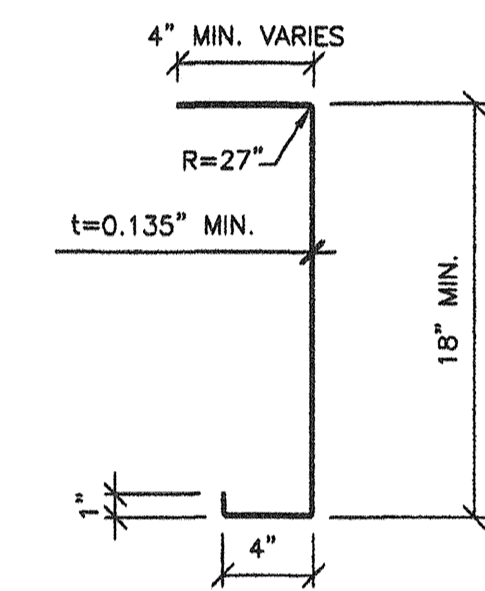
9 Z PURLINS DETAILS AND PROPERTIES
S3.1 1 1/2"=1'-0"



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



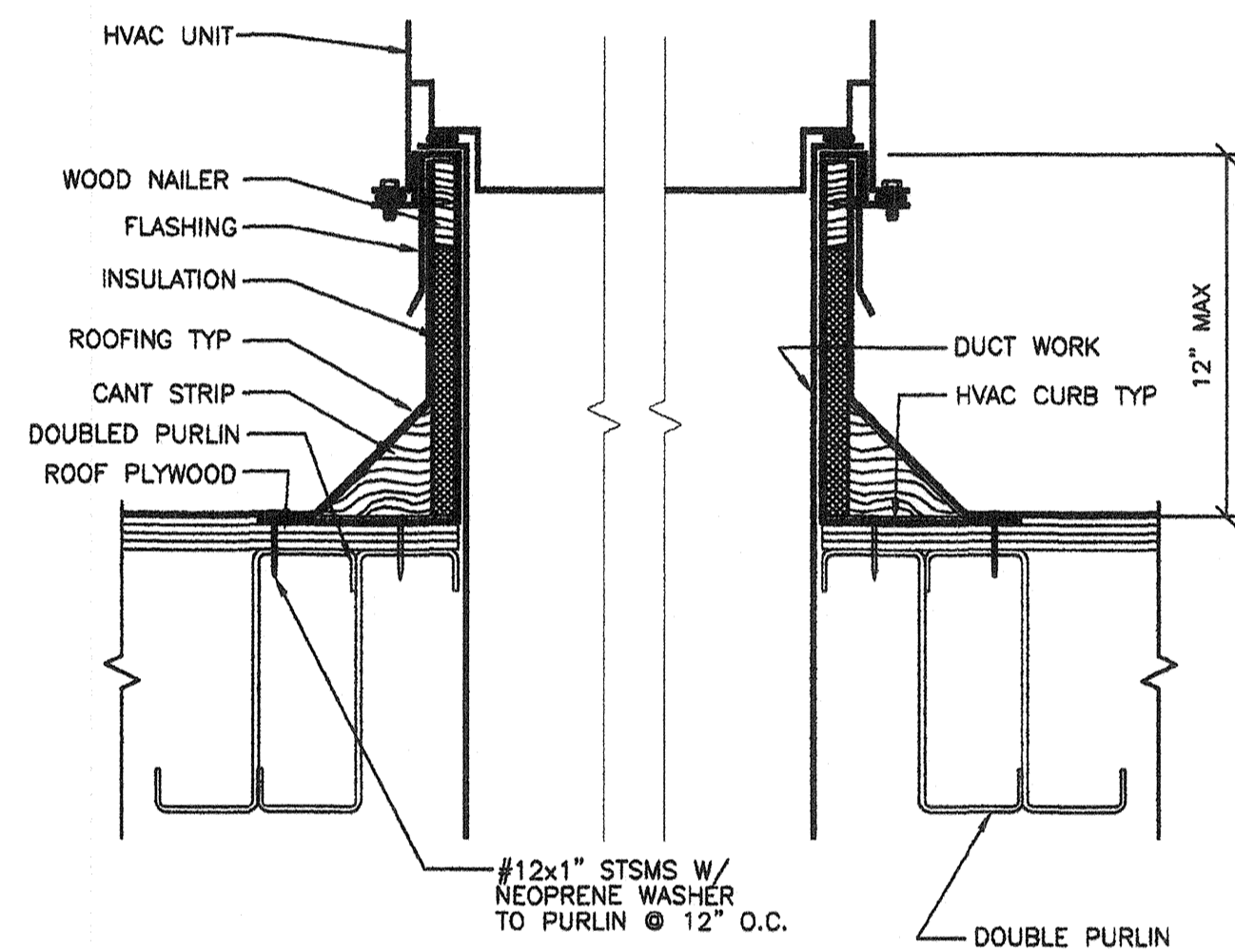
7 BLOCKING DETAIL
S3.1 1 1/2"=1'-0"



A	3.71 IN ²
Sx MIN.	17.32 IN ³
Ix MIN.	159.80 IN ⁴

BEAM FABRICATED FROM ASTM A1011
GR50 W/RUST INHIBITIVE COATING.

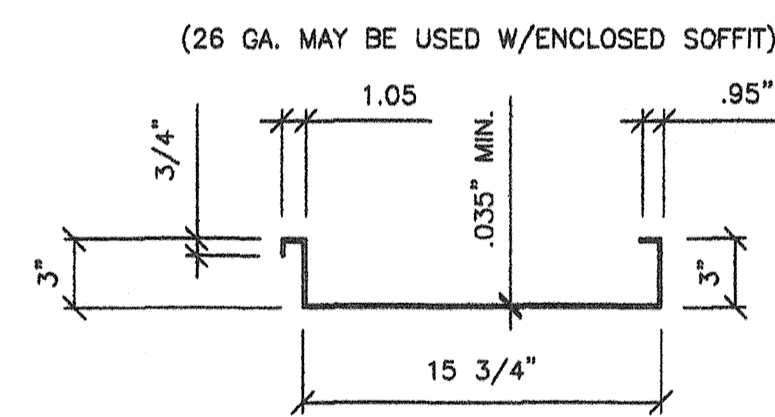
10 LONGITUDINAL ROOF BEAM
S3.1 1 1/2"=1'-0"



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

- GENERAL NOTES -

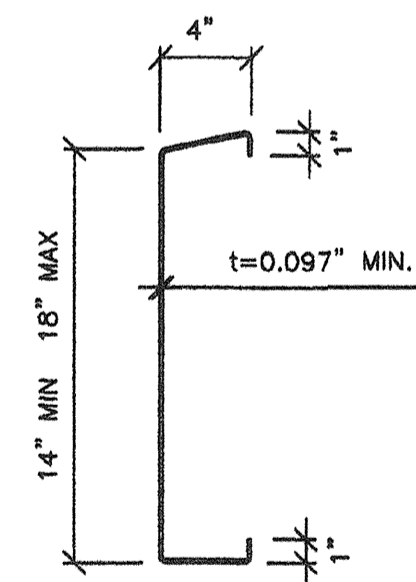
1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.



$S_x(t) = 0.326 \text{ IN}^3$	$S_x(b) = 0.323 \text{ IN}^3$
$S_x(b) = 1.365 \text{ IN}^3$	$S_x(b) = 0.283 \text{ IN}^3$
$I_x = 0.789 \text{ IN}^4$	$I_x = 0.452 \text{ IN}^4$

PAN FABRICATED FROM ASTM A1011 GRADE 50, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.

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



A	14"	18"
Sx MIN.	2.36 IN ²	2.76 IN ²
Sx MIN.	9.58 IN ³	13.60 IN ³
Ix MIN.	67.016 IN ⁴	122.44 IN ⁴

BEAM FABRICATED FROM ASTM A1011
GR50 W/RUST INHIBITIVE COATING.

11 12 GA. ROOF CHANNEL
S3.1 1 1/2"=1'-0"

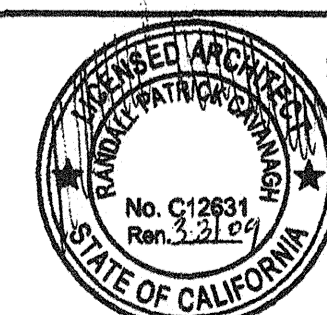
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/12/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
ROOF FRAMING PLANS (OPEN SOFFIT)



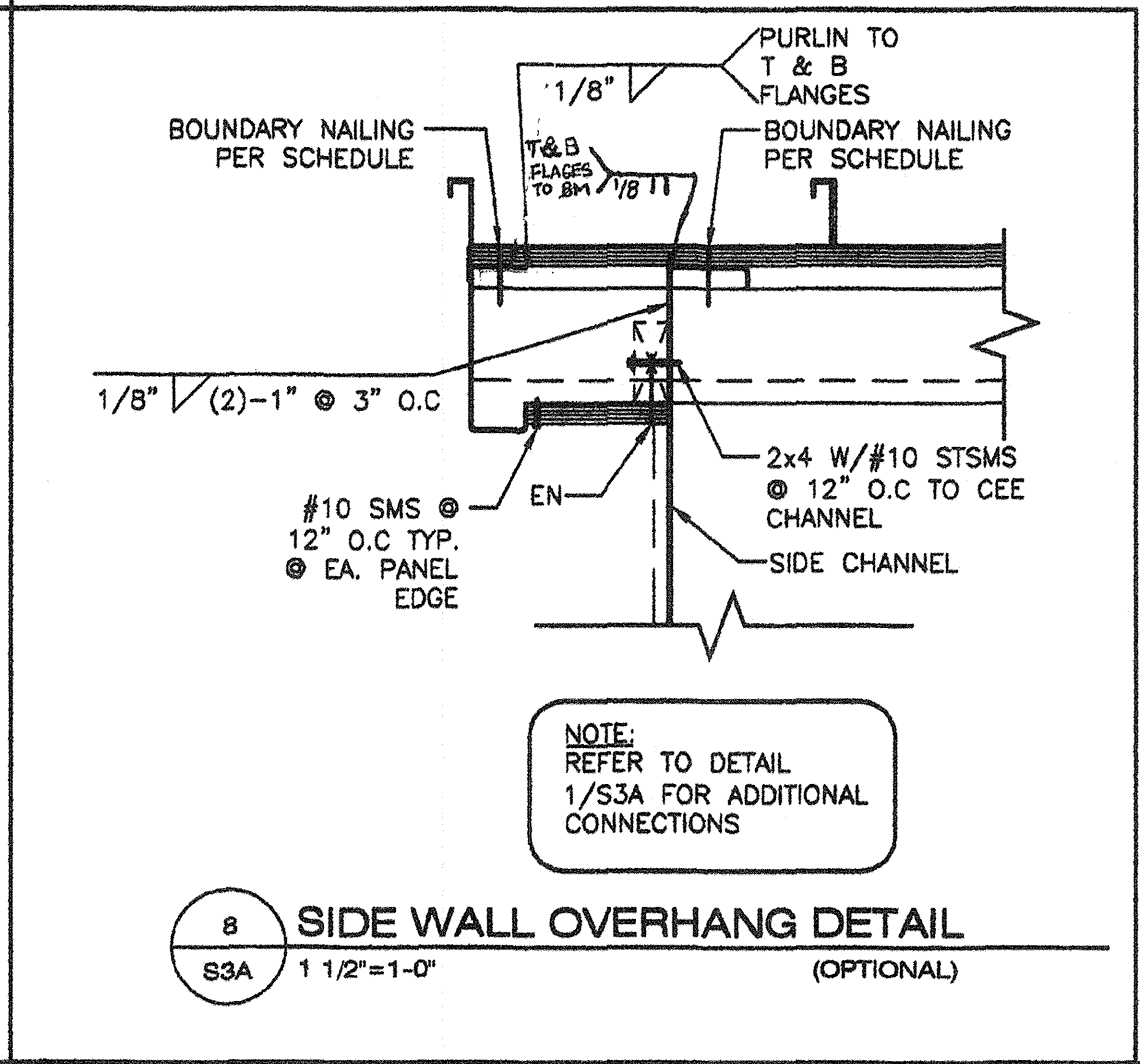
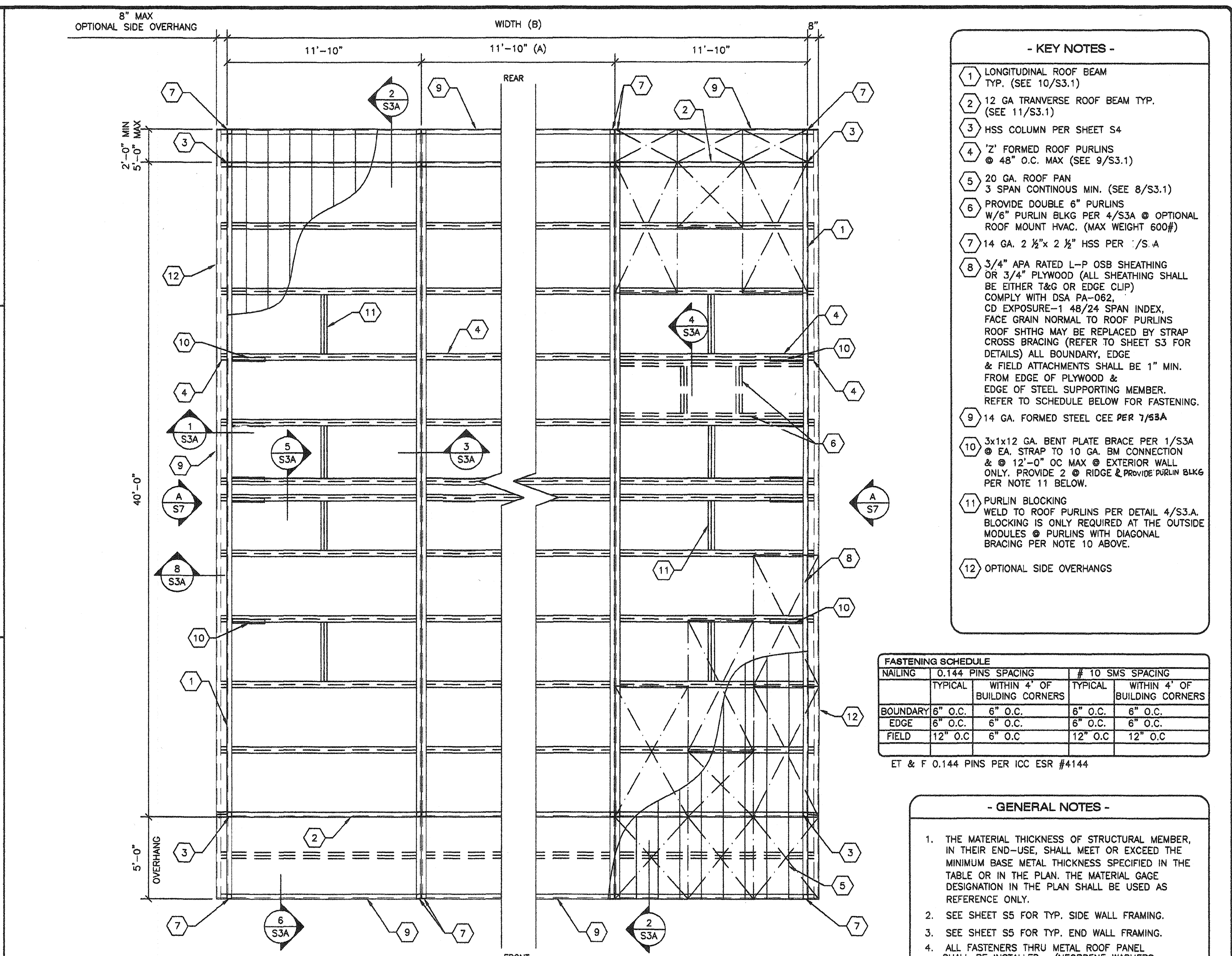
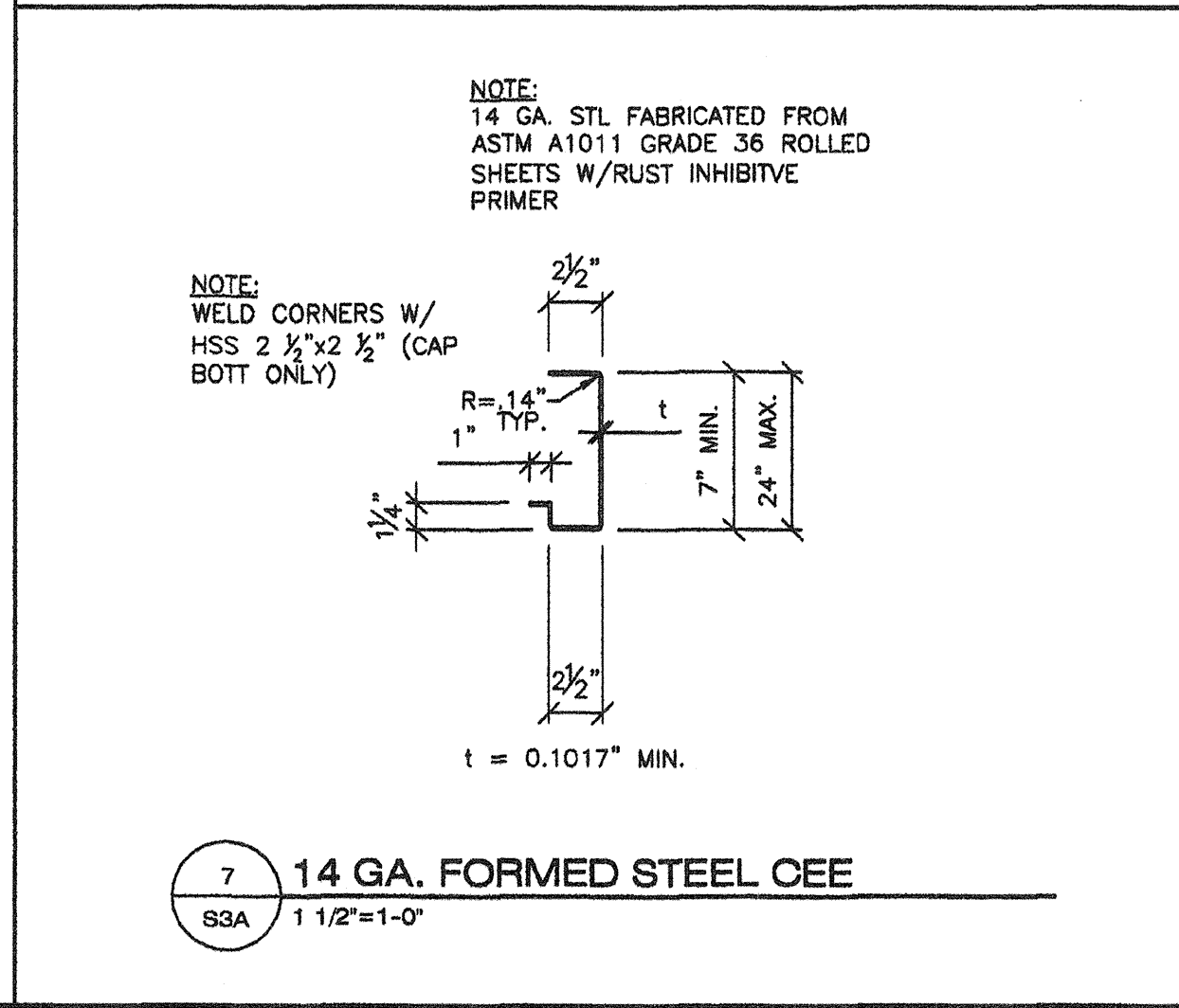
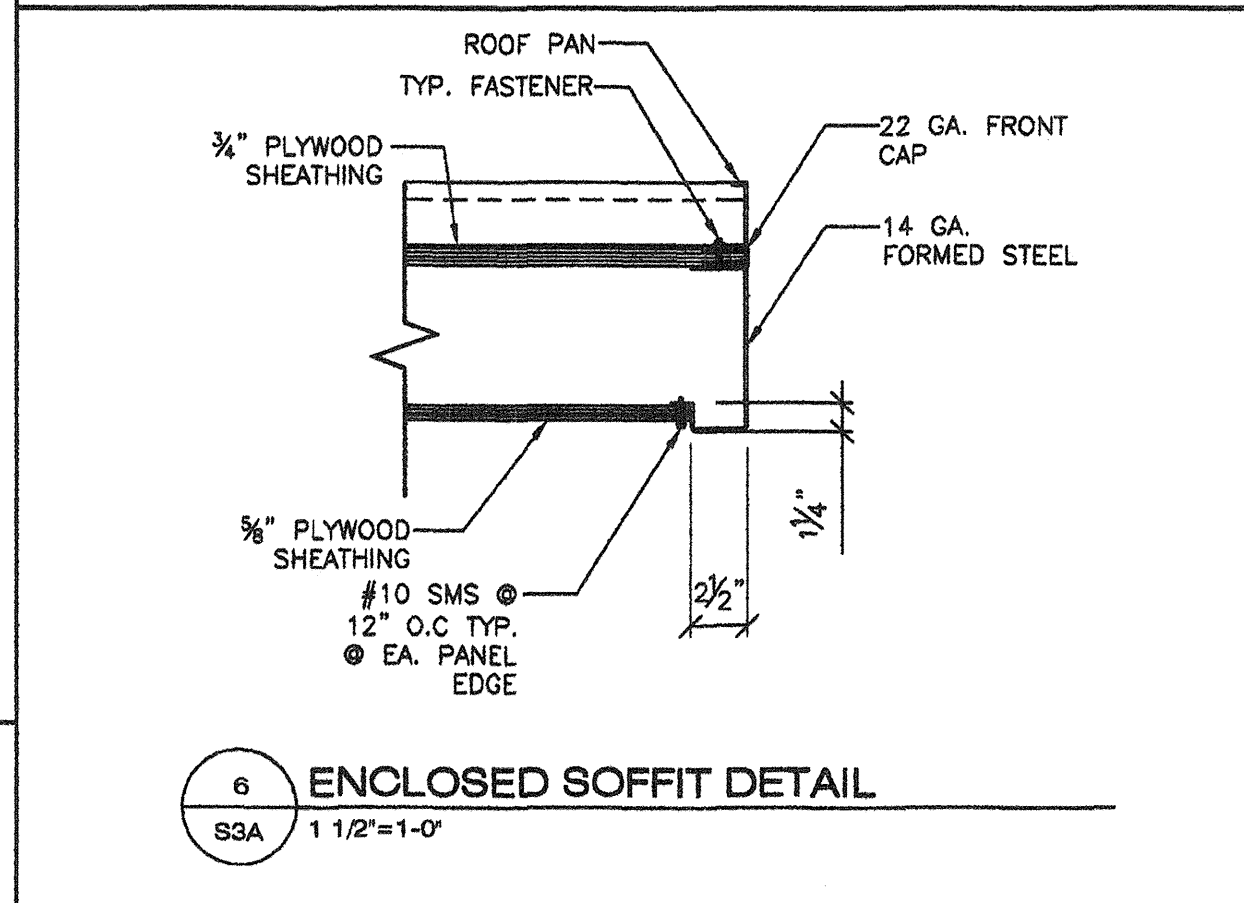
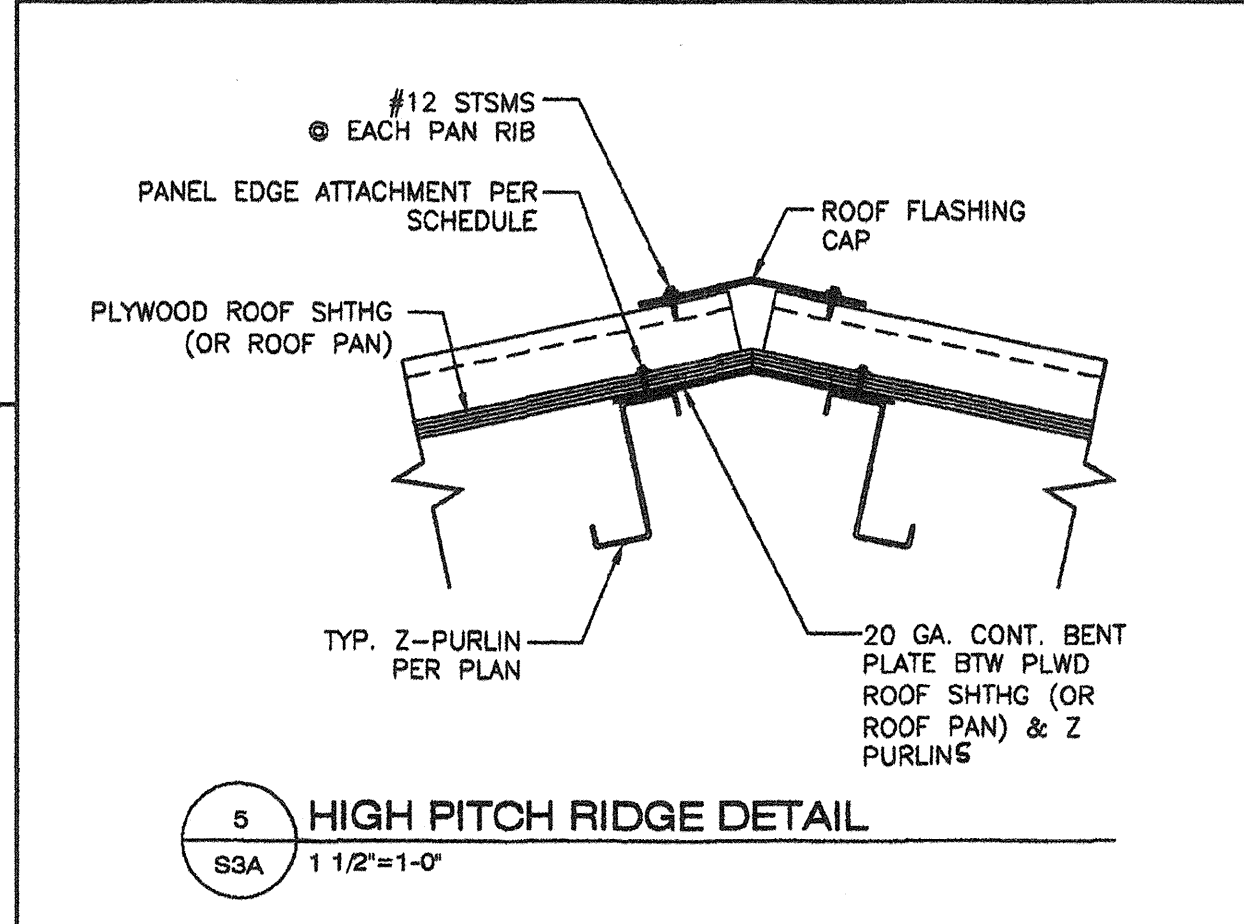
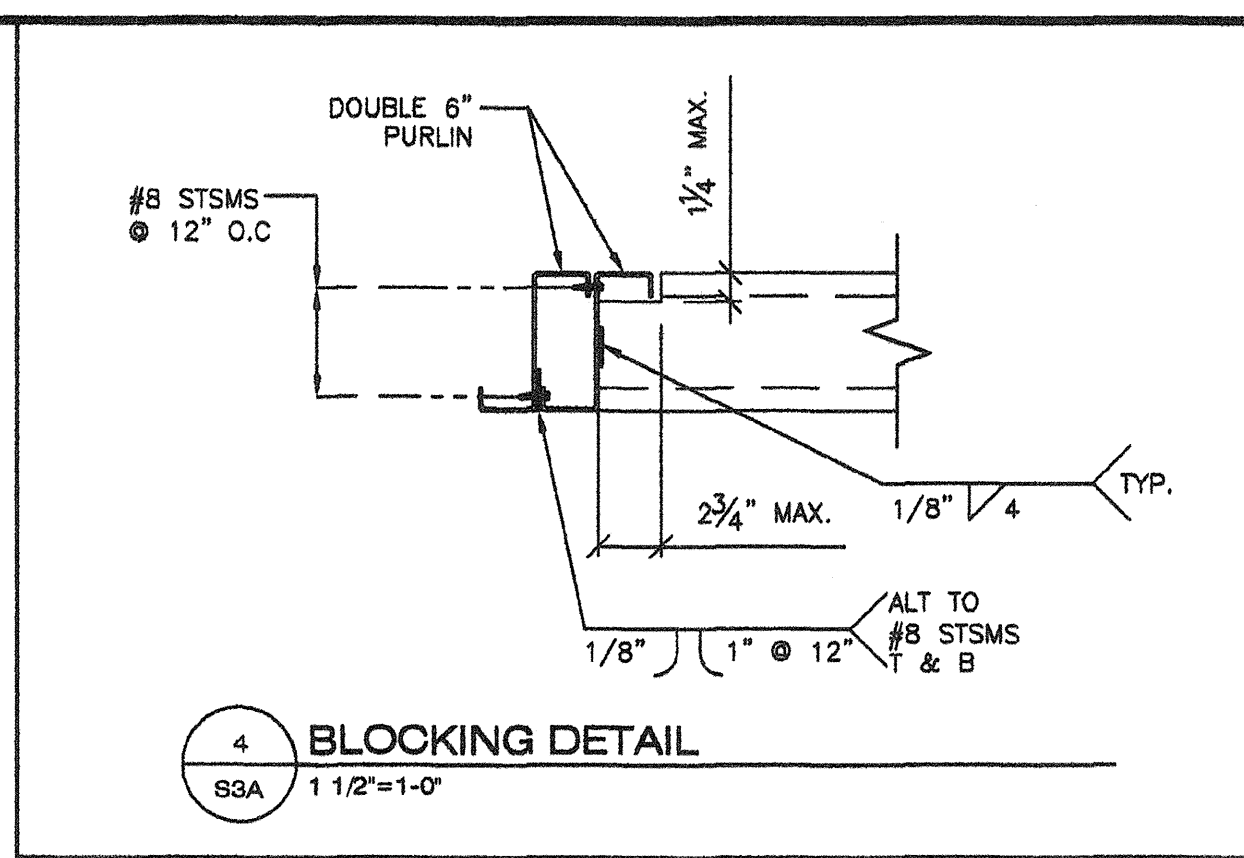
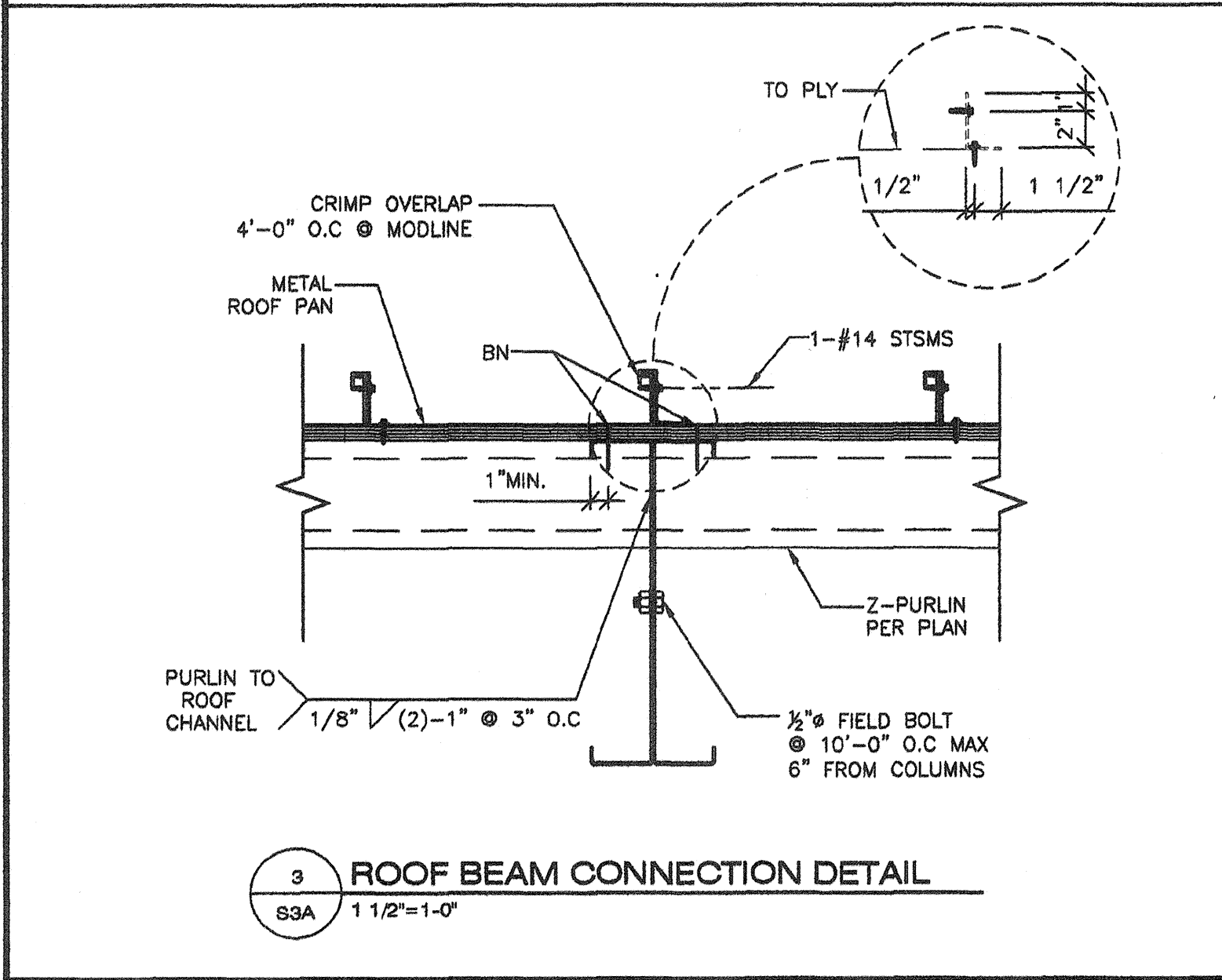
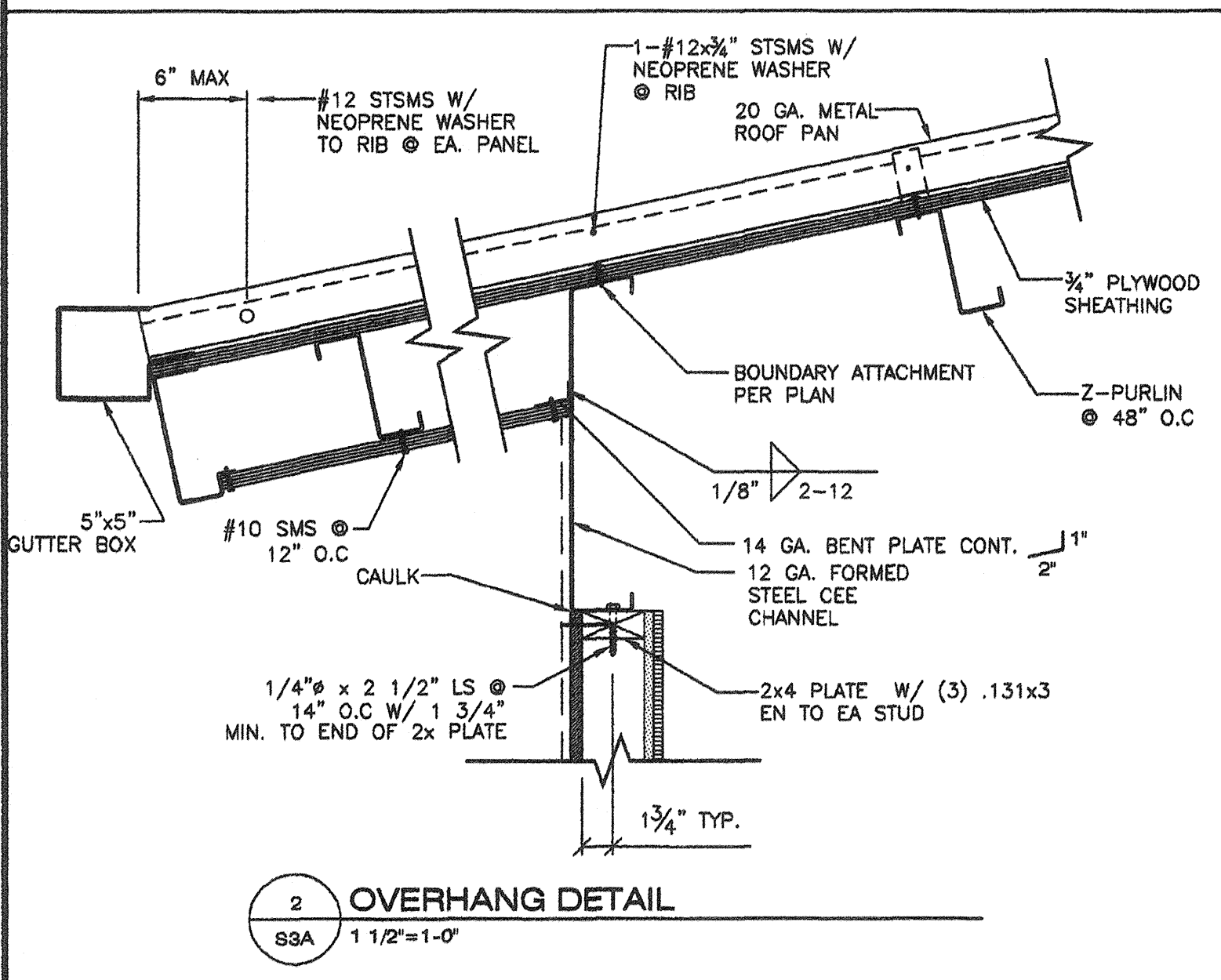
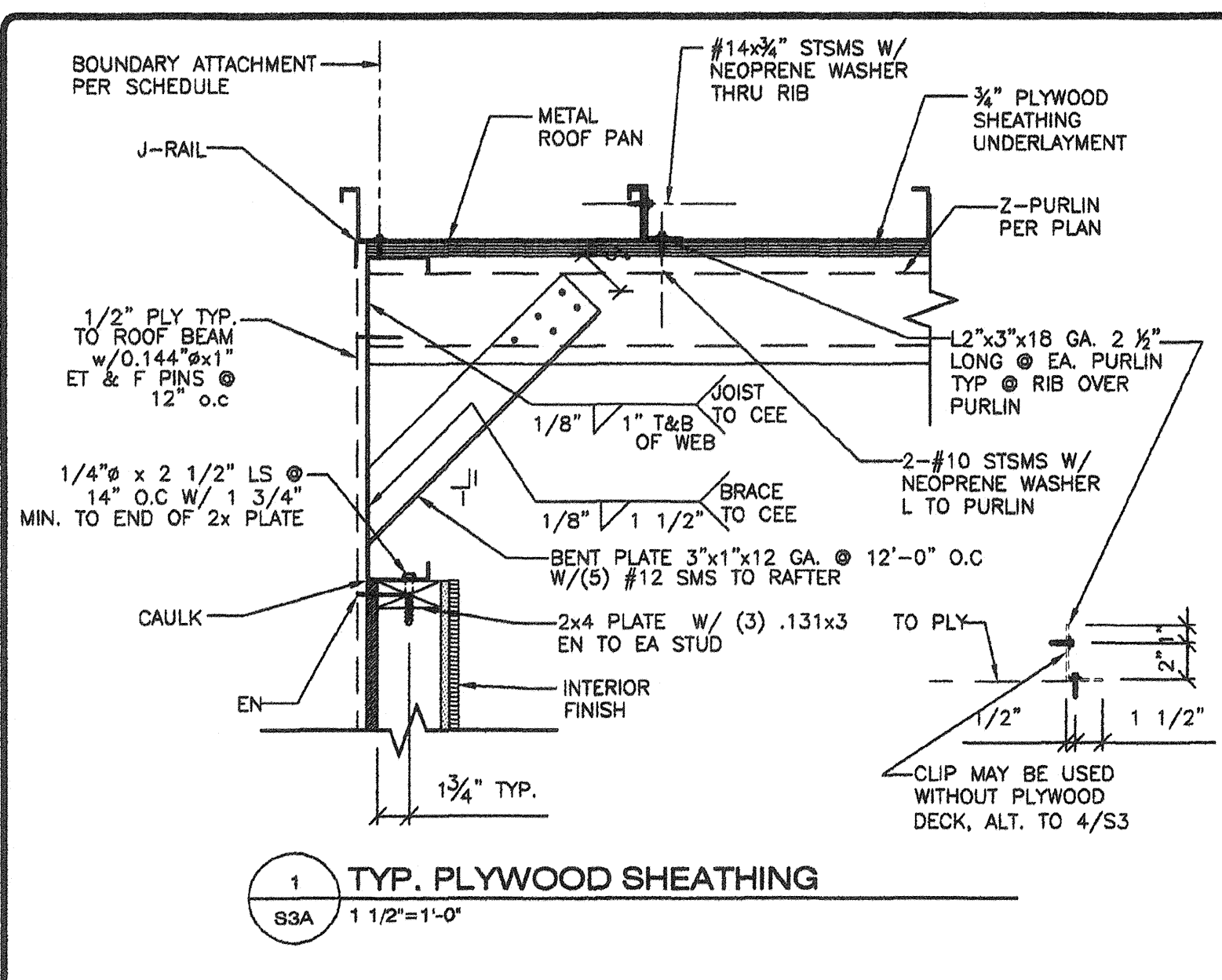
APPROVALS:
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DATE: 3/23/2009

PROJECT No.
PC
S3.1



- KEY NOTES -**
- LONGITUDINAL ROOF BEAM TYP. (SEE 10/S3.1)
 - 12 GA TRANSVERSE ROOF BEAM TYP. (SEE 11/S3.1)
 - HSS COLUMN PER SHEET S4
 - 2" FORMED ROOF PURLINS @ 48" O.C. MAX (SEE 9/S3.1)
 - 20 GA. ROOF PAN 3 SPAN CONTINUOUS MIN. (SEE 8/S3.1)
 - PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG PER 4/S3.A @ OPTIONAL ROOF MOUNT HVAC. (MAX WEIGHT 600#)
 - 14 GA. 2 1/2" x 2 1/2" HSS PER 7/S.A
 - 3/4" APA RATED L-P OSB SHEATHING OR 3/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T&B OR EDGE CLIP) COMPLY WITH DSA PA-062, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF PURLINS ROOF SHTHG MAY BE REPLACED BY STRAP CROSS BRACING (REFER TO SHEET S3 FOR DETAILS) ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO SCHEDULE BELOW FOR FASTENING.
 - 14 GA. FORMED STEEL CEE PER 7/S3.A
 - 3x1x12 GA. BENT PLATE BRACE PER 1/S3.A @ EA. STRAP TO 10 GA. BM CONNECTION @ 12'-0" O.C. MAX @ EXTERIOR WALL ONLY. PROVIDE 2 @ RIDGE & PROVIDE PURLIN BLKG PER NOTE 11 BELOW.
 - PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 4/S3.A. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES @ PURLINS WITH DIAGONAL BRACING PER NOTE 10 ABOVE.
 - OPTIONAL SIDE OVERHANGS

FASTENING SCHEDULE

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

ET & F 0.144 PINS PER ICC ESR #4144

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

- MODULE SCHEDULE -

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

REVISIONS

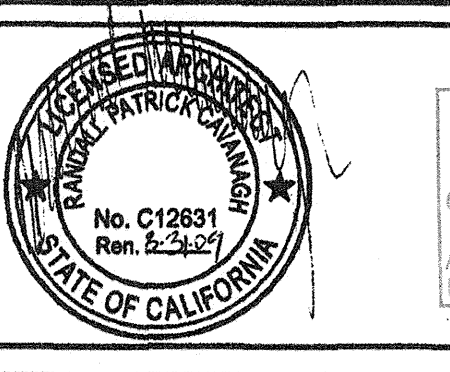
NO	DATE	DESCRIPTION

DATE: 02/06/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
ROOF FRAMING PLANS (PLYWOOD SHEATHING)

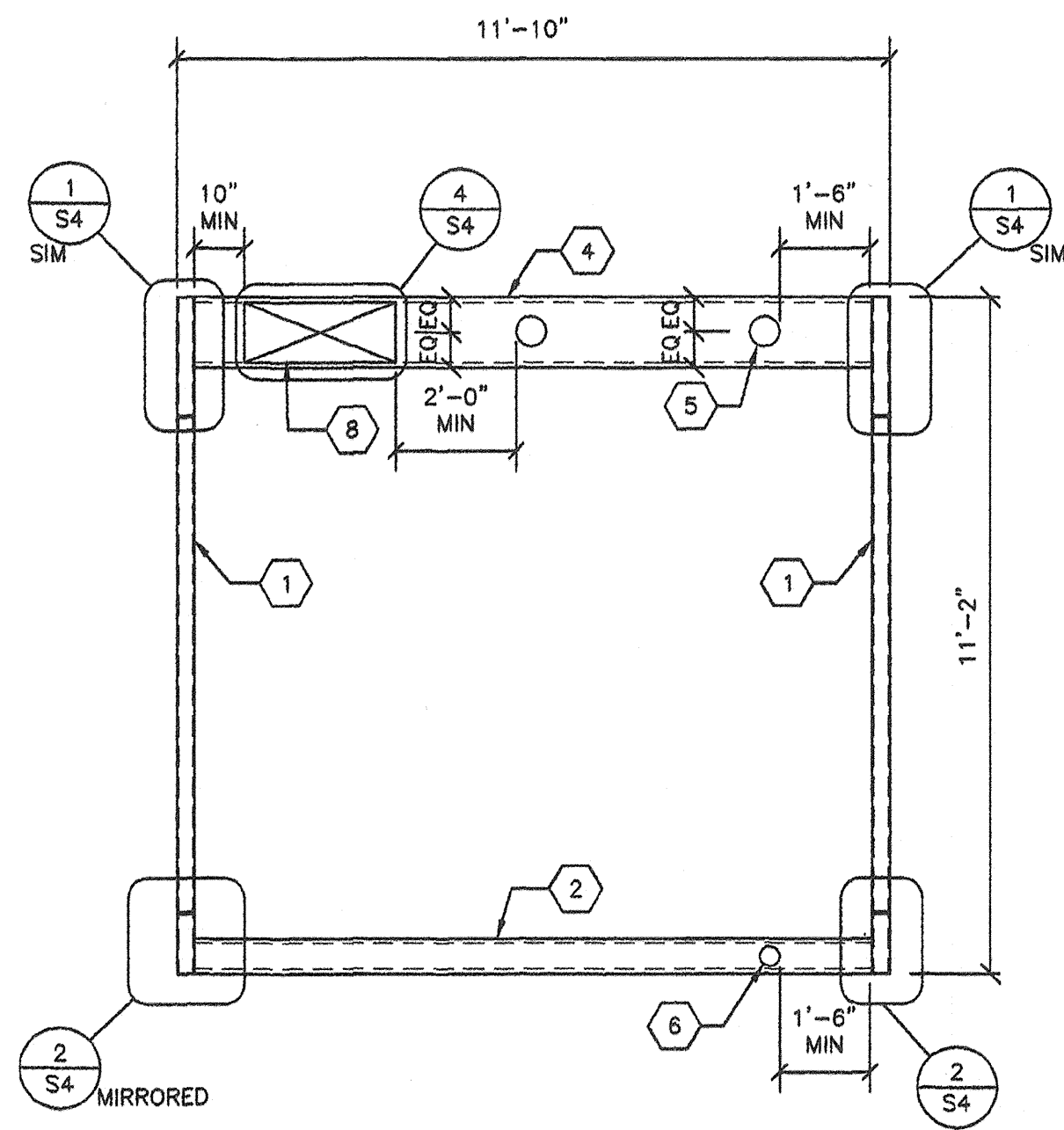


APPROVALS:
Kerneth A. Luttrell, Registered Professional Engineer, No. 1418, Exp. 2-31-08, Structural Engineer.

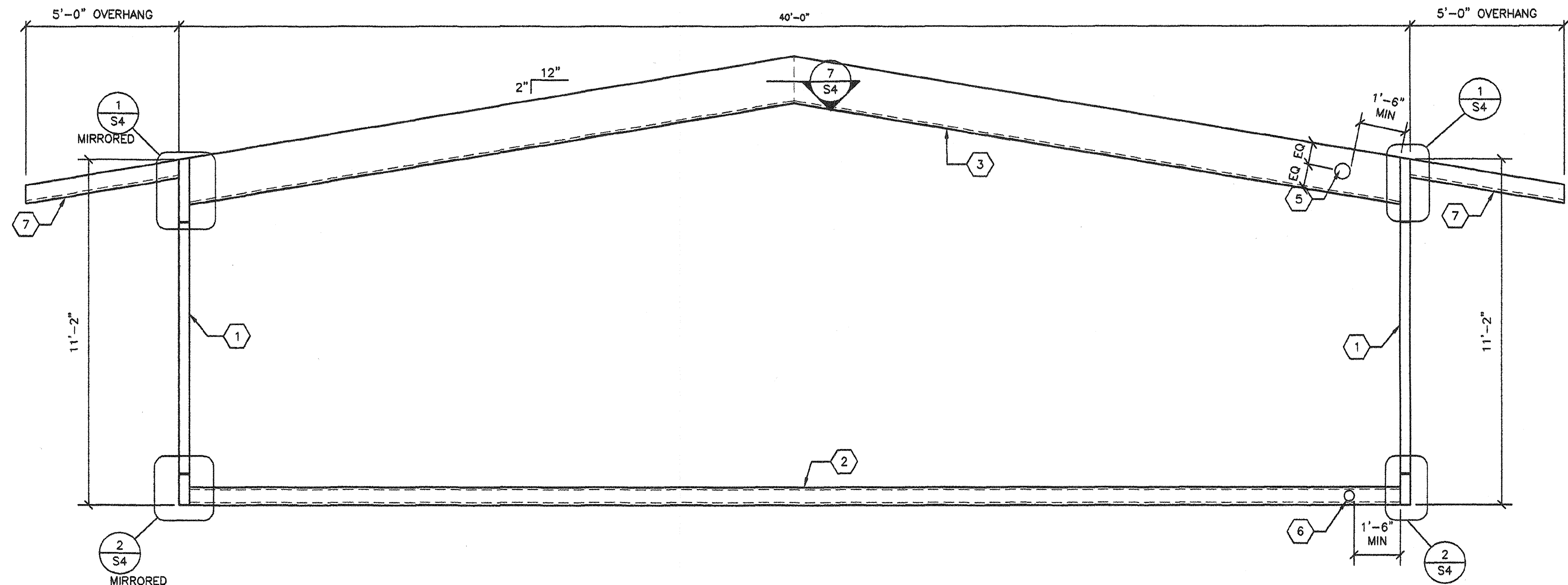


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OFFICE OF REGULATION SERVICES
PC 02-109695
DATE: 2/2/2009

PROJECT No.
PC
S3A-C



B TYPICAL TRANSVERSE FRAME
S4 3/8"=1'-0"

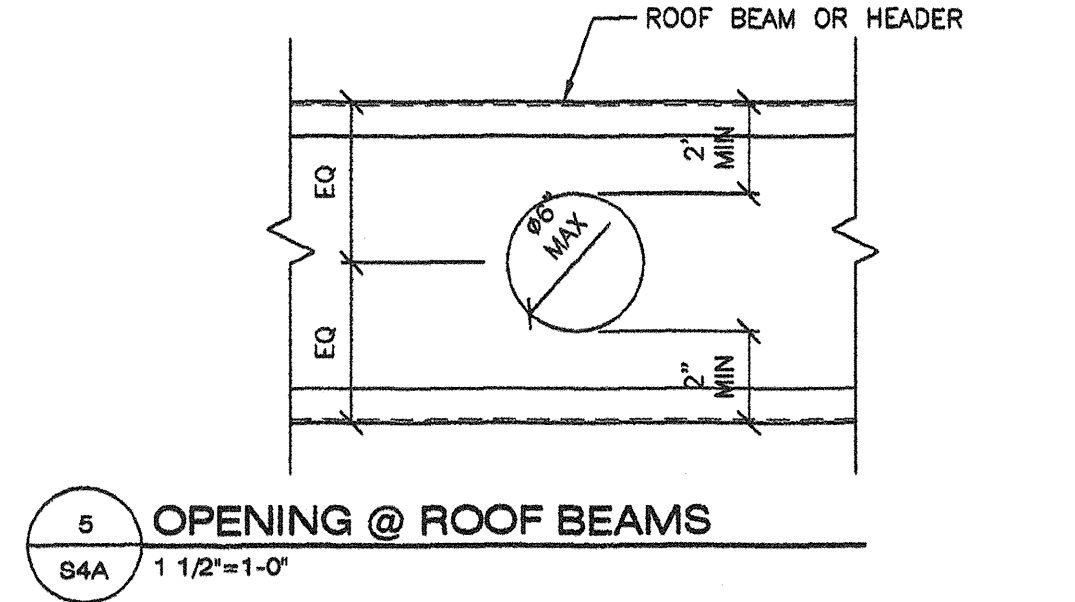


A TYPICAL LONGITUDINAL FRAME
S4 3/8"=1'-0"

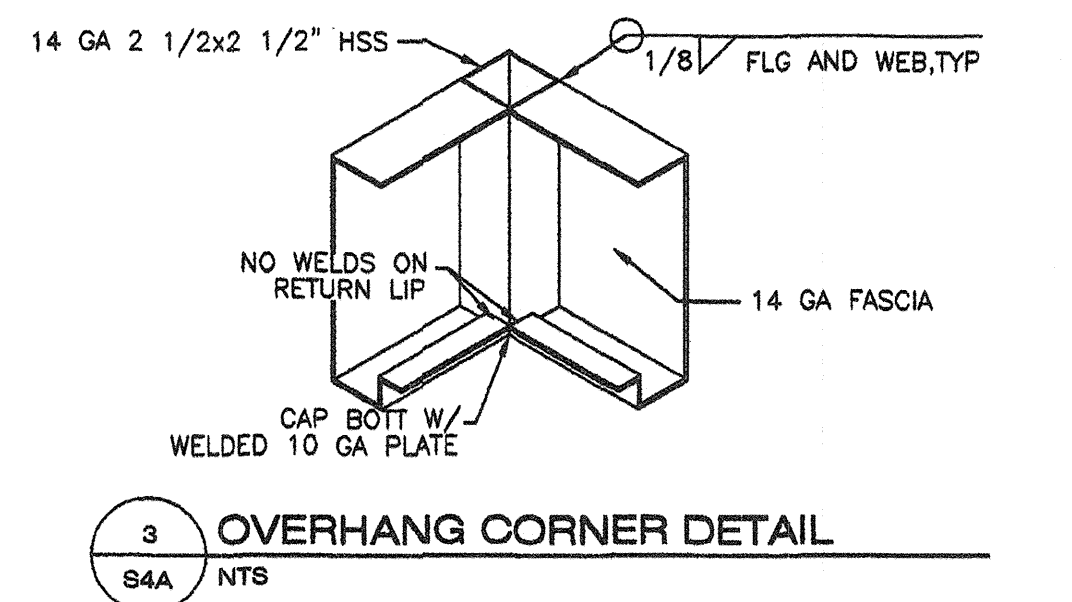
- KEY NOTES -**
- HSS 4x4x5/16" COLUMN
 - FLOOR BEAM PER SCHEDULE BELOW
 - LONGITUDINAL ROOF CHANNEL PER 10/S3.1
 - 12 GA. TRANSVERSE ROOF CHANNEL 14" MIN 18" MAX PER 11/S3.1
 - 6" Ø MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION NOTE: IF HOLE IS 3" OR LESS THEY MAY BE SPACED AT 24" O.C. MINIMUM
 - 4" Ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. NOTE: IF HOLE IS 2" OR LESS THEY MAY BE SPACED AT 24" MINIMUM
 - 12 GA OUTRIGGER CHANNEL AT ENDED OVERHANG REFER TO DETAIL 1/S4A
 - OPENING FOR HVAC UNIT

- FLOOR BEAM SCHEDULE -

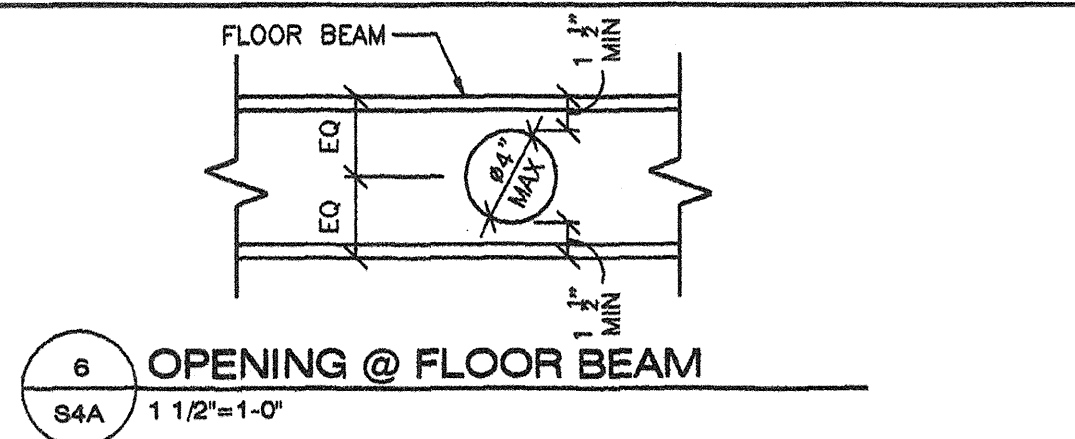
SUBFLOOR TYPE	FLOOR BEAM SIZE	ALTERNATES
VIROC OR PLYWOOD	C7x9.9	C9x13.4, C10x15.3
CONCRETE	C9x13.4	C10x15.3



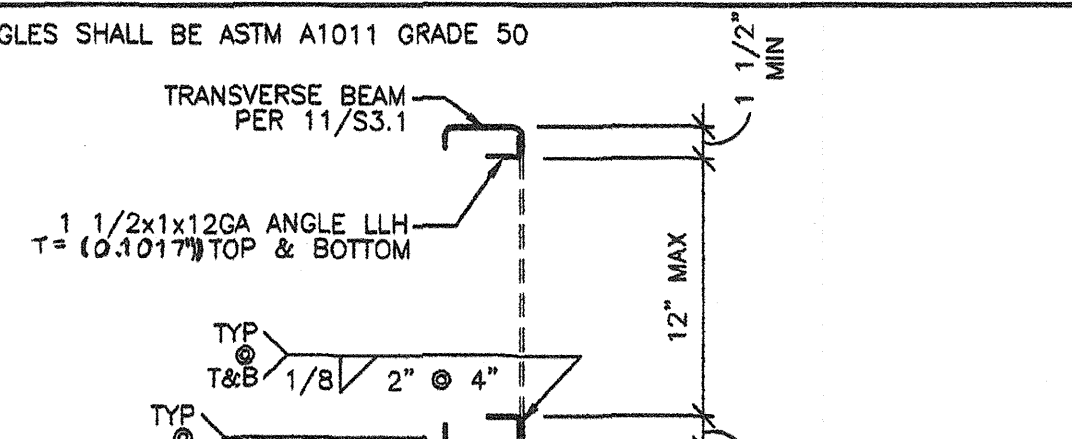
5 OPENING @ ROOF BEAMS
S4A 1 1/2"=1'-0"



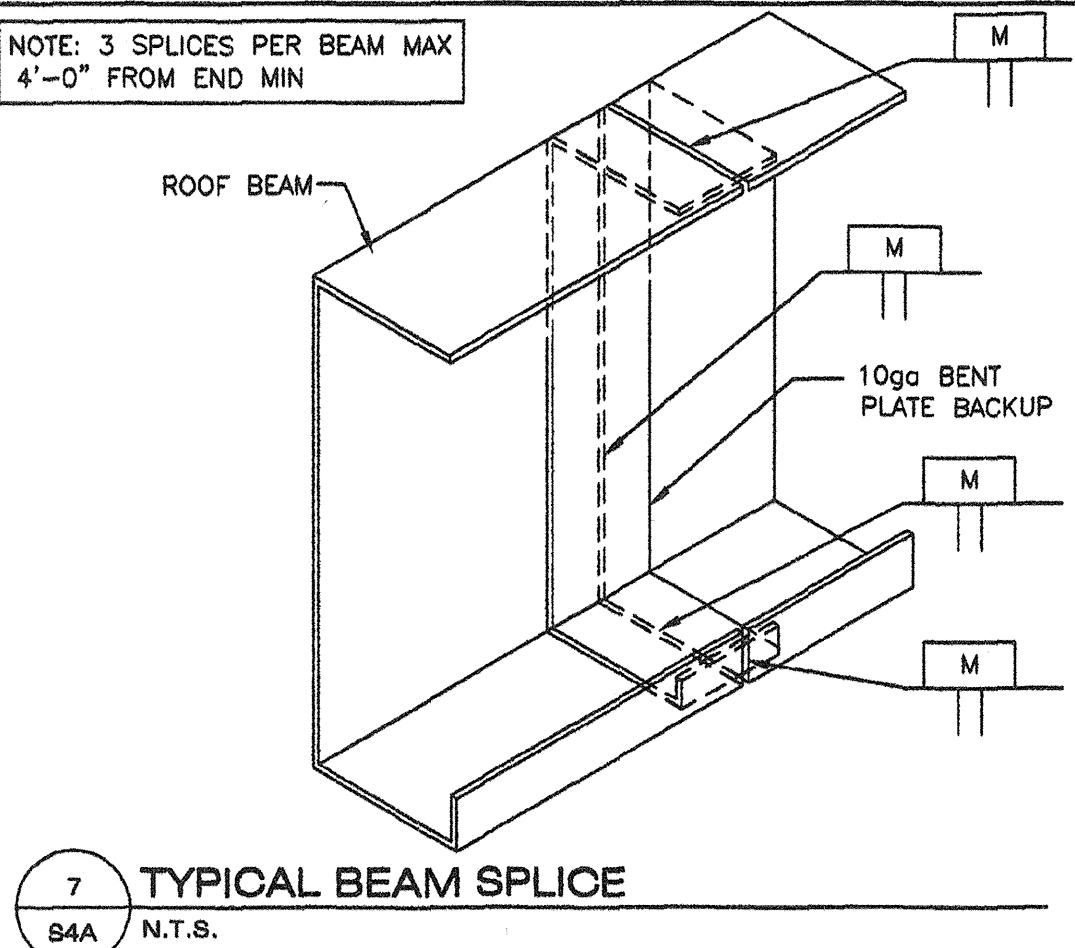
3 OVERHANG CORNER DETAIL
S4A N.T.S.



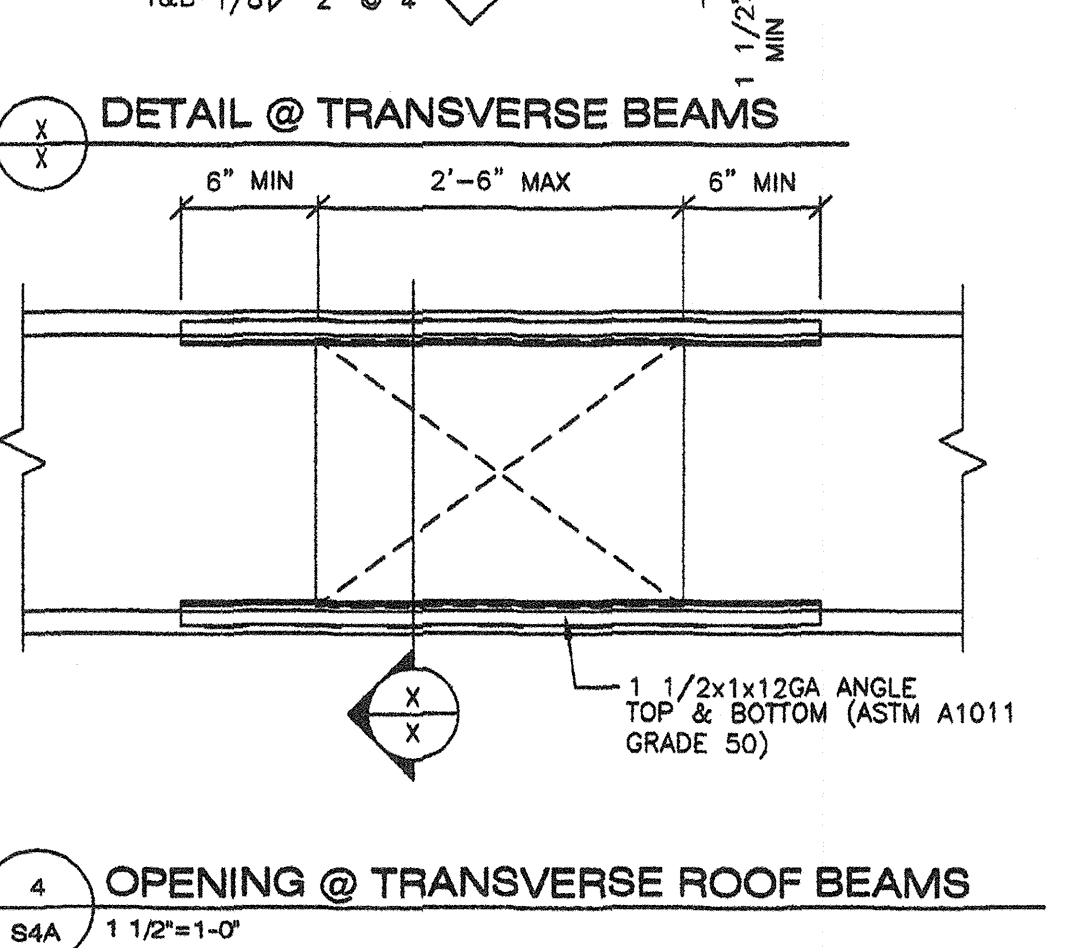
6 OPENING @ FLOOR BEAM
S4A 1 1/2"=1'-0"



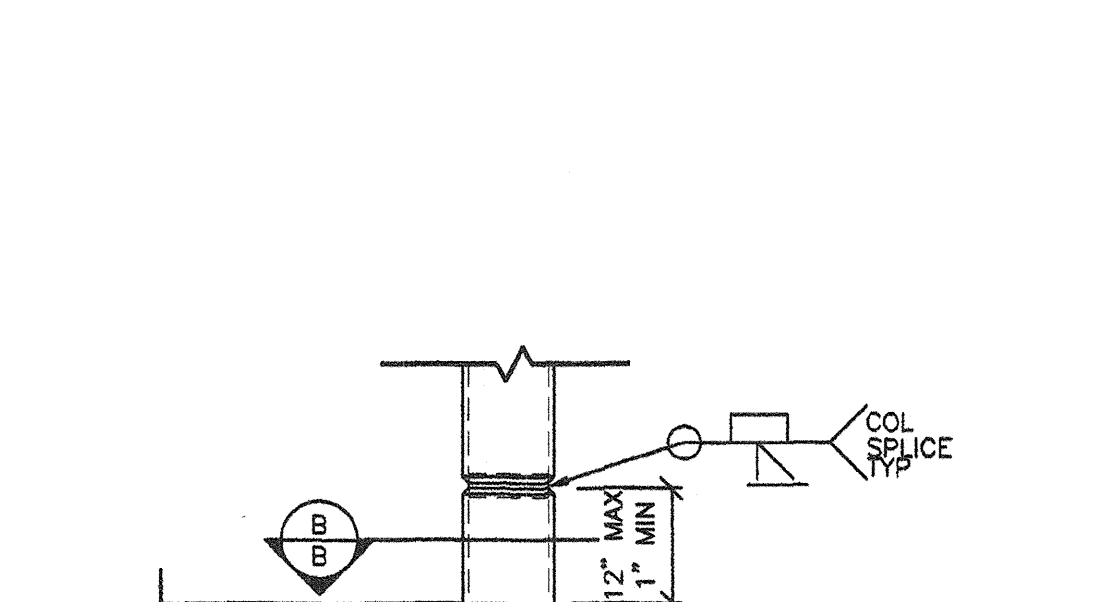
4 OPENING @ TRANSVERSE ROOF BEAMS
S4A 1 1/2"=1'-0"



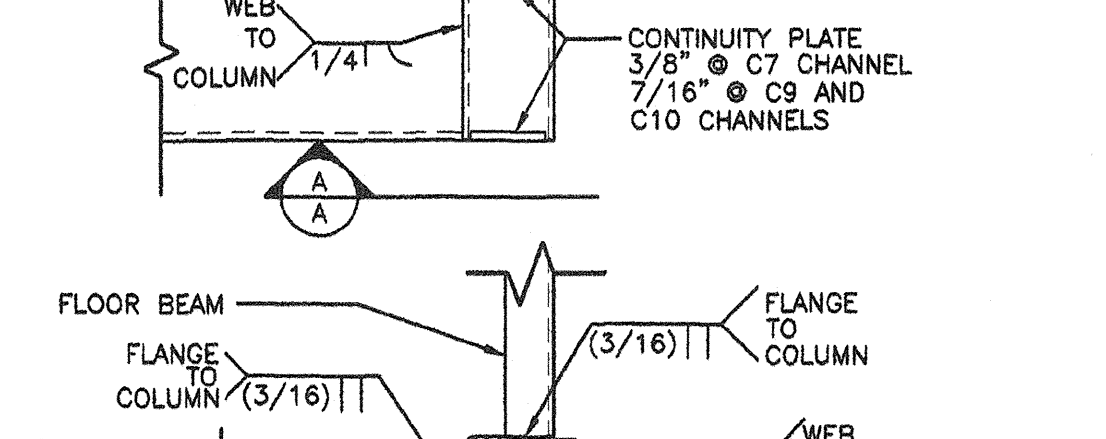
7 TYPICAL BEAM SPLICE
S4A N.T.S.



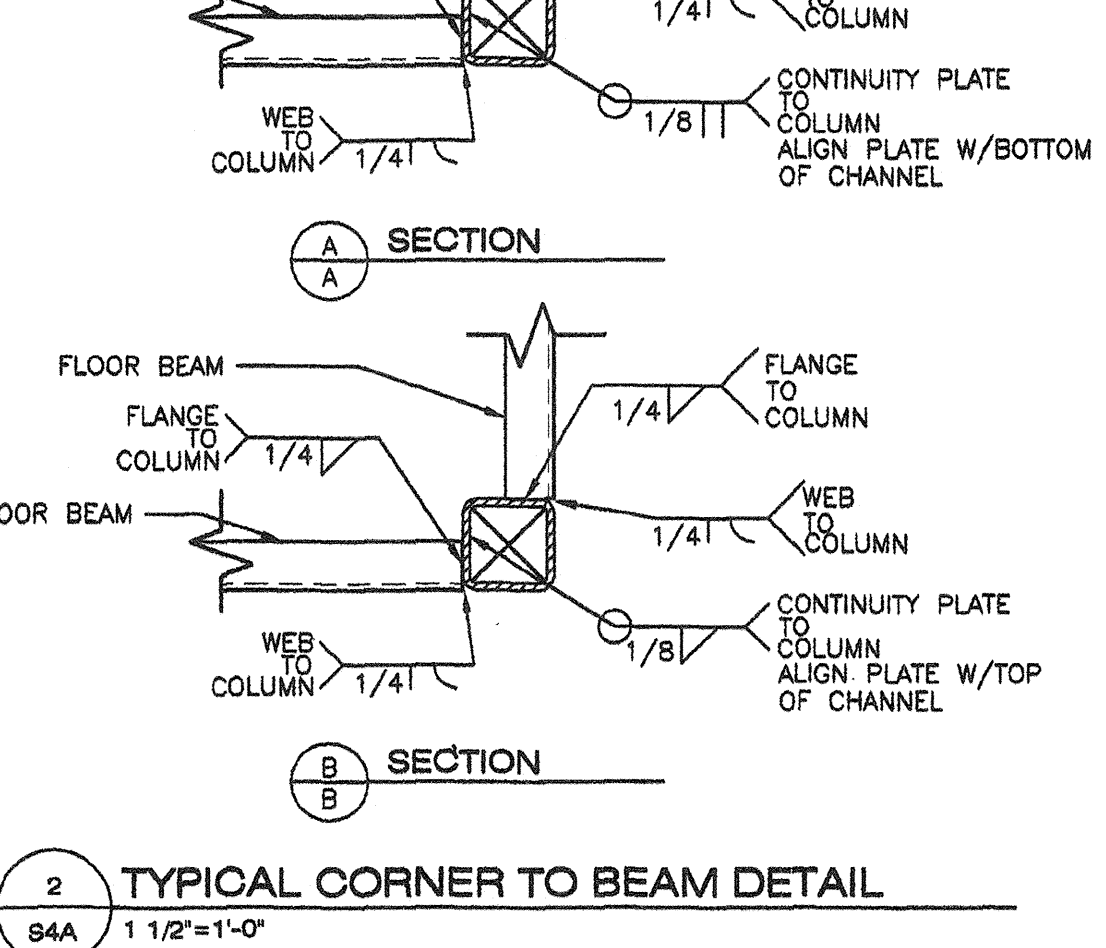
2 TYPICAL CORNER TO BEAM DETAIL
S4A 1 1/2"=1'-0"



2 TYPICAL CORNER TO BEAM DETAIL
S4A 1 1/2"=1'-0"

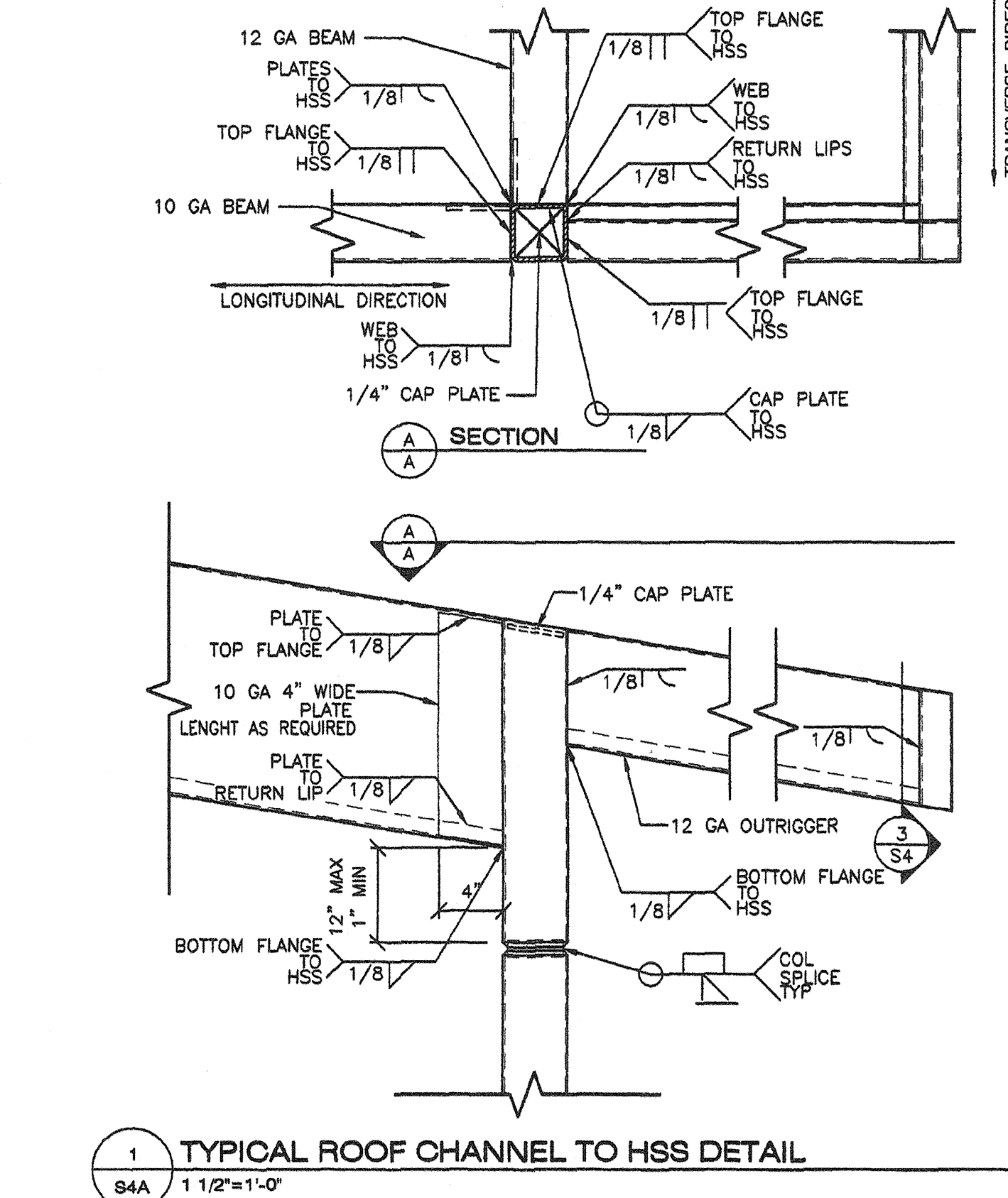


2 TYPICAL CORNER TO BEAM DETAIL
S4A 1 1/2"=1'-0"



1 TYPICAL ROOF CHANNEL TO HSS DETAIL
S4A 1 1/2"=1'-0"

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D.1-06 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A. TYPICAL DETAILS 1/S4A, 2/S4A AND 7/S4A. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.



1 TYPICAL ROOF CHANNEL TO HSS DETAIL
S4A 1 1/2"=1'-0"

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 02/04/08
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS
TYPICAL FRAME ELEVATIONS

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

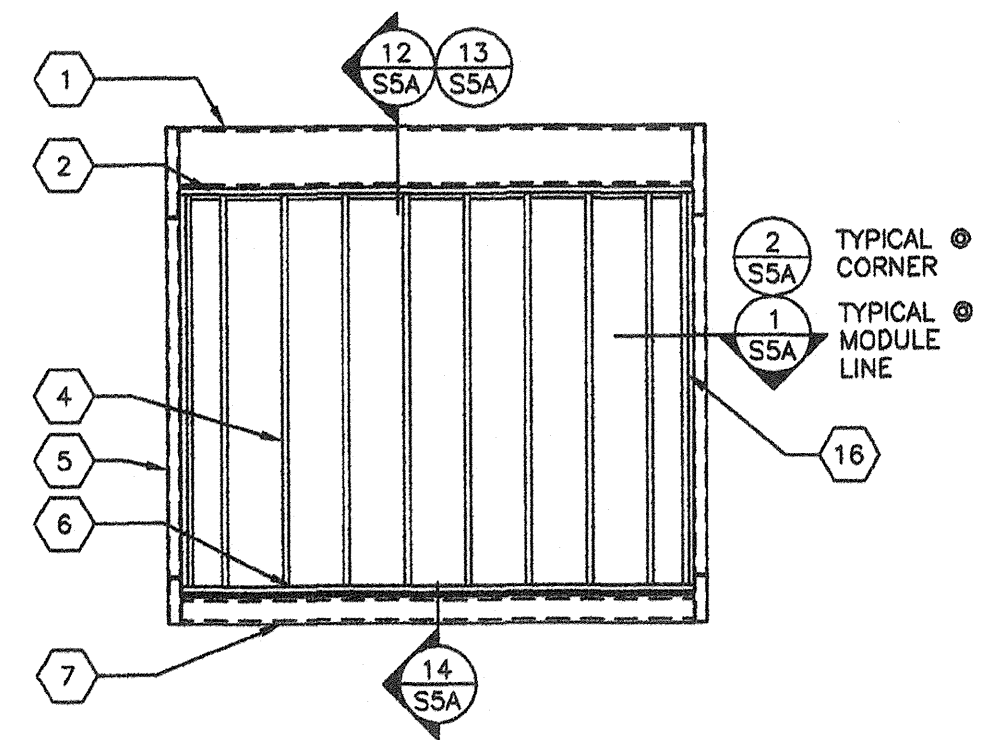
APPROVALS:
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IDENTIFICATION STAMP
NO. C12831
REV. 3/2007
DATE 9-2-2010

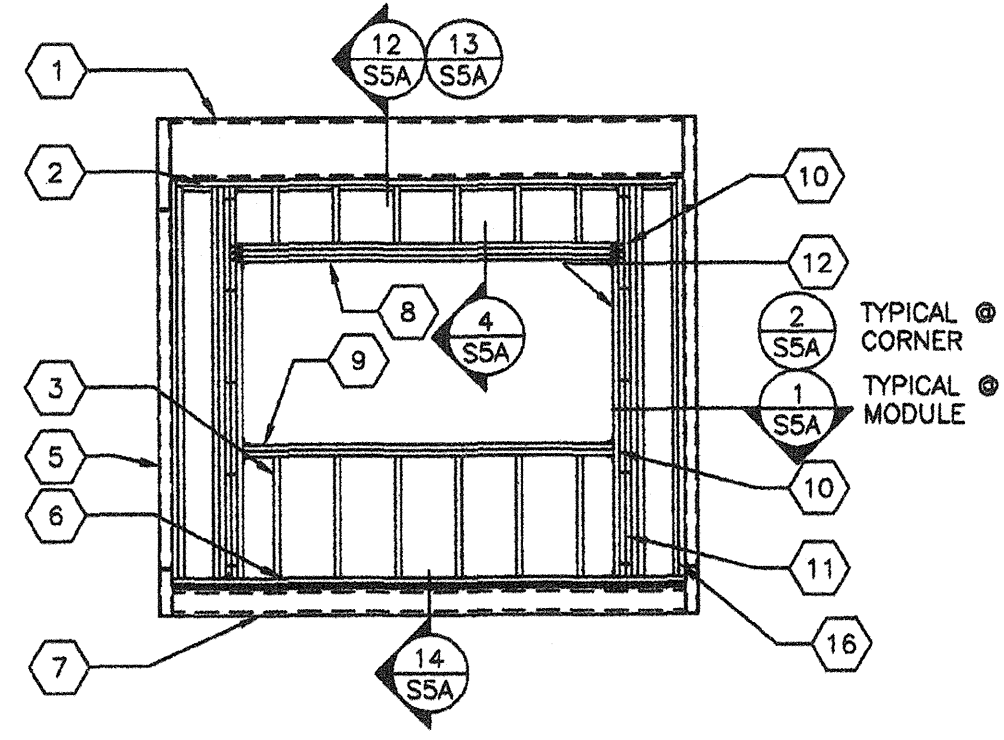
IDENTIFICATION STAMP
PC 02-106685
DATE 3/3/2009

PROJECT No.
PC
S4-C

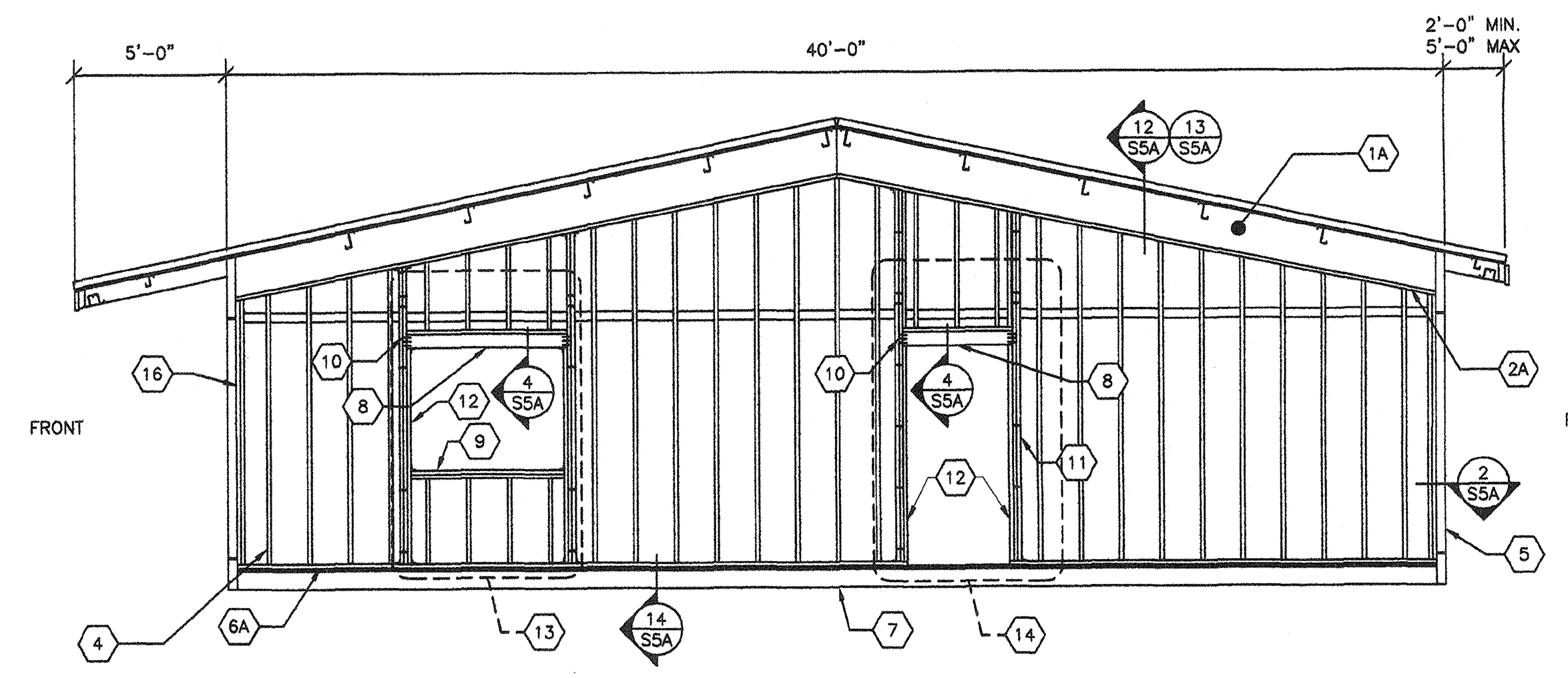
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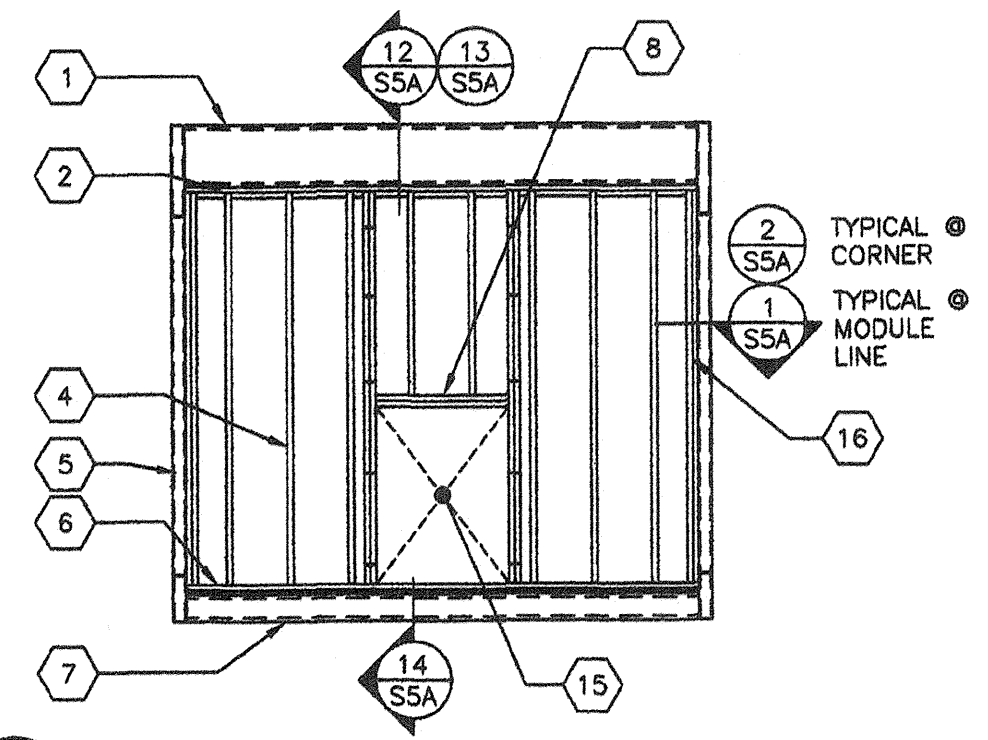
1 TYP END WALL FRAMING W/NO OPENINGS
S5 1/4"=1'-0"



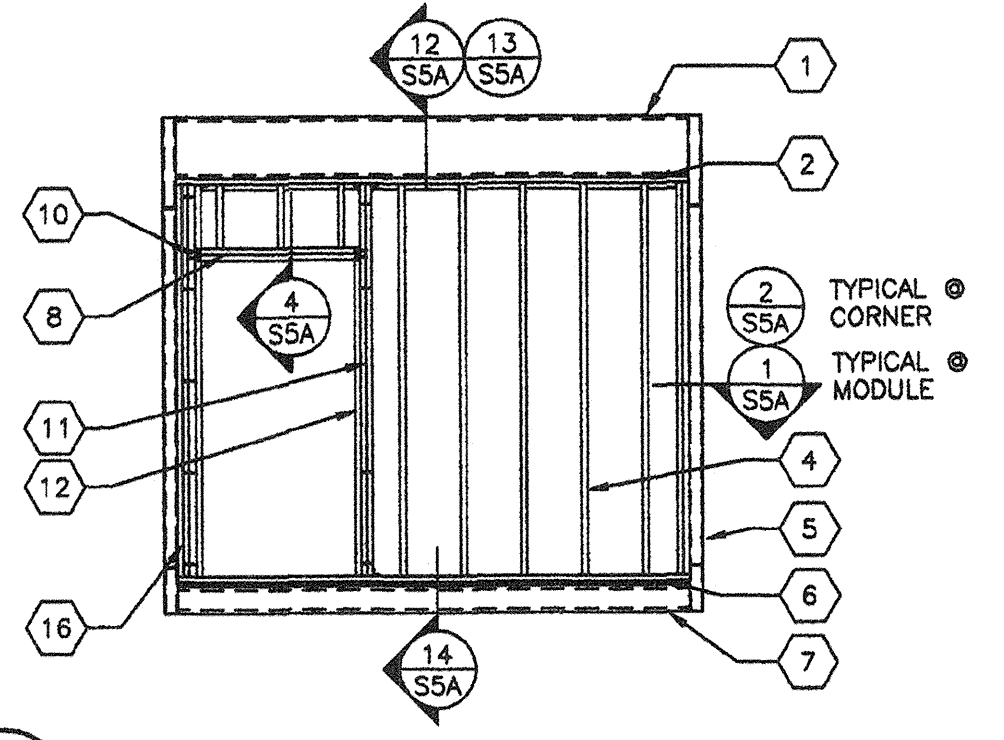
2 TYP END WALL FRAMING W/WINDOW
S5 1/4"=1'-0"



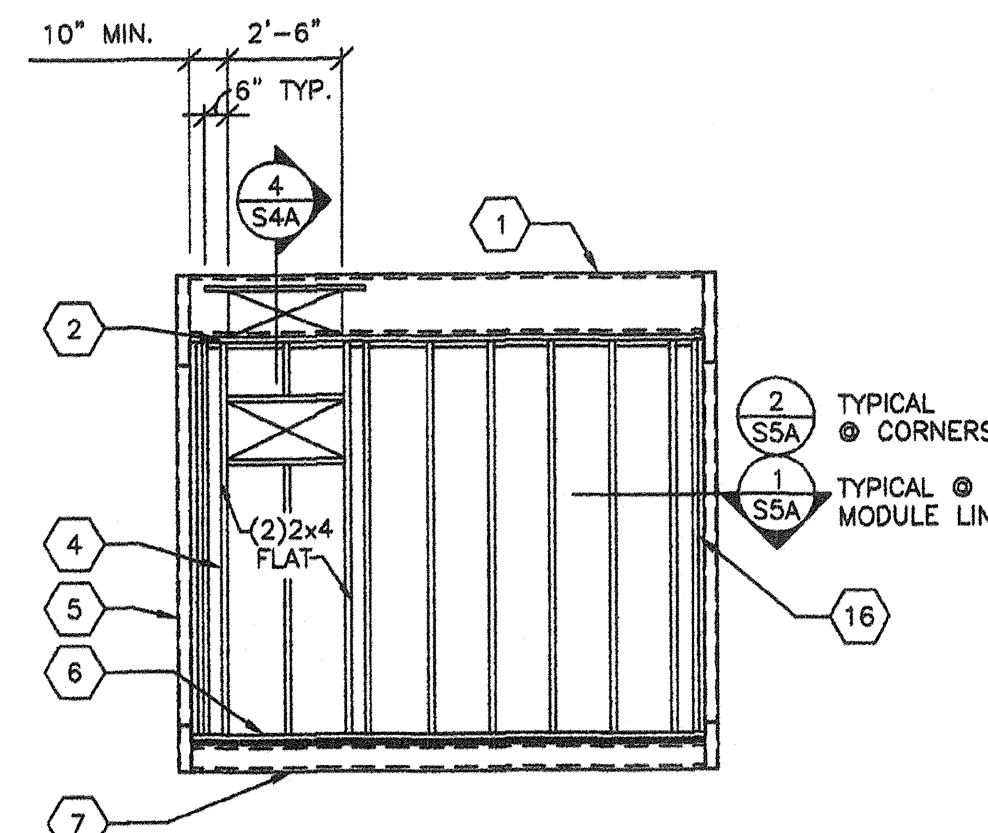
6 TYP SIDE WALL FRAMING
S5 1/4"=1'-0"



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



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



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

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

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

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

- KEY NOTES -**
- ROOF HEADER
 - ROOF BEAM
 - 2x4 HEM FIR #2 PLATE NO SPLICE
 - 2x HEM FIR #2 PLATE
 - 2x STUDS SPACED PER SCHEDULE TYP. W/ (3) .131x3" NAILS @ EA END
 - 2x4 STUDS SPACED PER SCHEDULE W/(3).131x3" NAILS @ EA END @ TRANSVERSE WALLS. (2) 2x4'S OR (1)2x6 STUDS SPACED PER SCHEDULE W/(3).131x3" NAILS @ EACH END @ LONGITUDINAL WALLS.
 - HSS COLUMN PER SHEET S4
 - 2x HEM FIR #2 BOTTOM PLATE NO SPLICES
2x P.T. HEM FIR #2 AT CONCRETE FLOORS
 - 2x HEM FIR #2 BOTTOM PLATE
2x P.T. HEM FIR #2 AT CONCRETE FLOORS
 - PERIMETER FLOOR BEAM
 - (2) 2x6 HEM FIR W/ 2x4 FLAT HEADER
ALT. (3) FLAT 2x HEM FIR. PER DETAIL 4/SSA
 - (2) 2x HEM FIR #2 WINDOW SILL PLATE TYP.
(3) 2x HEM FIR #2 OR (2) 2x DOUG FIR #2 @ STUCCO WALLS
 - (7).131x3" END NAILS THROUGH KING STUD TYP (ONLY 5 NAILS REQUIRED AT WINDOW SILLS) INTERNAL KING STUDS W/.131 NAILS @ 12" O.C MAX
 - (2) 2x HEM FIR #2 KING STUDS W/ (2) A34 T&B TO PLATE @ OPENINGS LESS THAN 4'-0" (INTERNAL W/0.131 NAILS @ 12" OC TYP MAX.)
(4) 2x HEM FIR #2 KING STUDS W/(2) A34 T & B TO PLATE @ TRANSVERSE WALLS @ OPENINGS GREATER THAN 4'-0" (INTERNAL W/0.131 NAILS @ 12" OC TYP MAX.)
(6) 2x HEM FIR #2 KING STUDS W/(2) A34 T & B TO PLATE @ LONGITUDINAL WALLS @ OPENINGS GREATER THAN 4'-0" (INTERNAL W/0.131 NAILS @ 12" OC TYP MAX.)
 - 2x HEM FIR #2 TRIMMER
 - OPTIONAL WINDOW OPENING
MAX 8'-0" WIDE
(REFER TO 2/SS FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
 - OPTIONAL DOOR OPENING
(REFER TO 4/SS FOR DETAILS AND FLOORPLANS FOR LOCATIONS)
 - HVAC OPENINGS @ INDOOR UNIT
 - 2x NAILER

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/07/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THUR 120' x 40' RELOCATABLE BUILDINGS
WALL FRAMING ELEVATIONS

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

APPROVALS:
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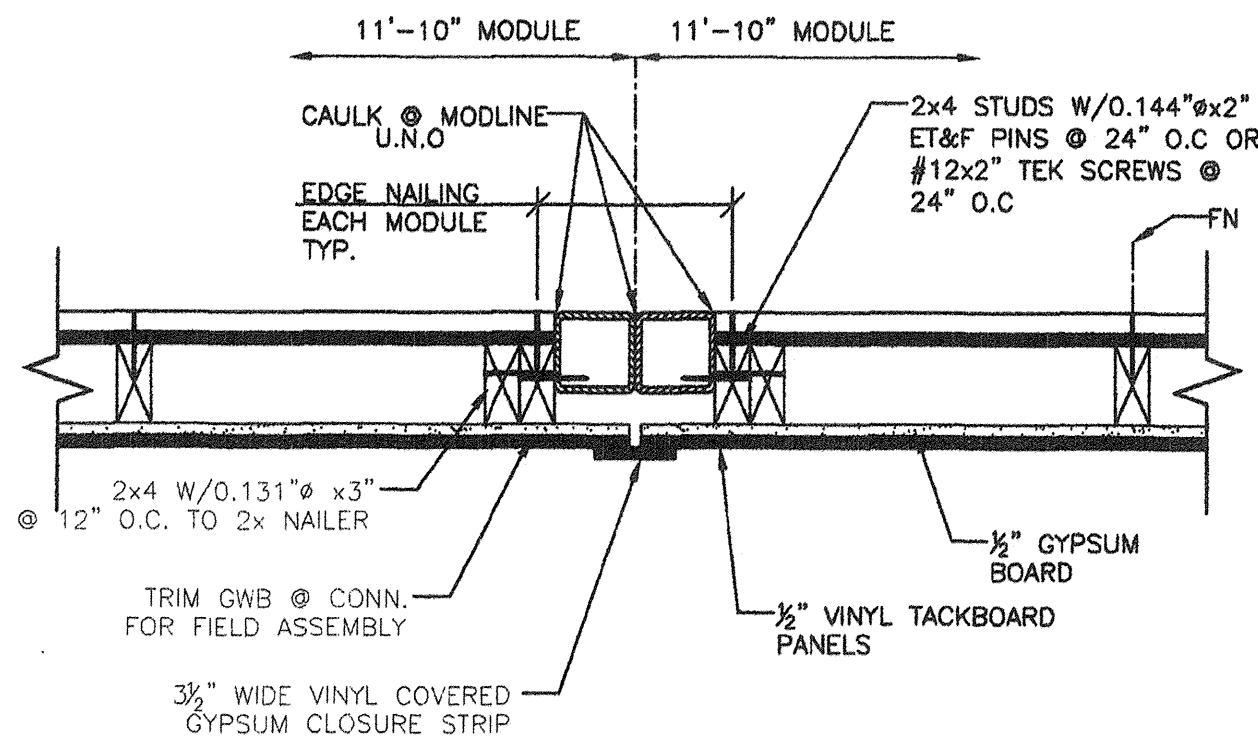
REGISTERED PROFESSIONAL ENGINEER
Karanth A. Lalitha
No. 4418
Exp. 3-31-09
State of California

REGISTERED ARCHITECT
STATE OF CALIFORNIA
No. C12631
Ren. 3/2/09

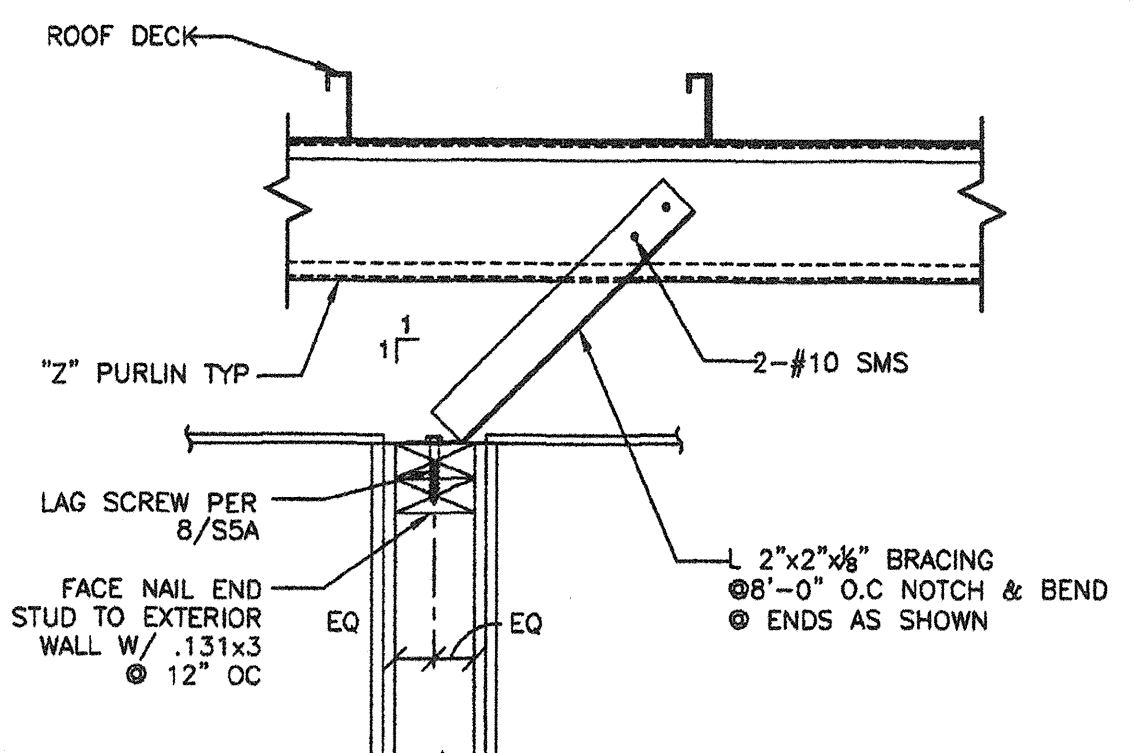
IDENTIFICATION STAMP
NO. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
C3 118549
PC 02-109695
DATE: 2-2-2010

PROJECT No.
S5-C

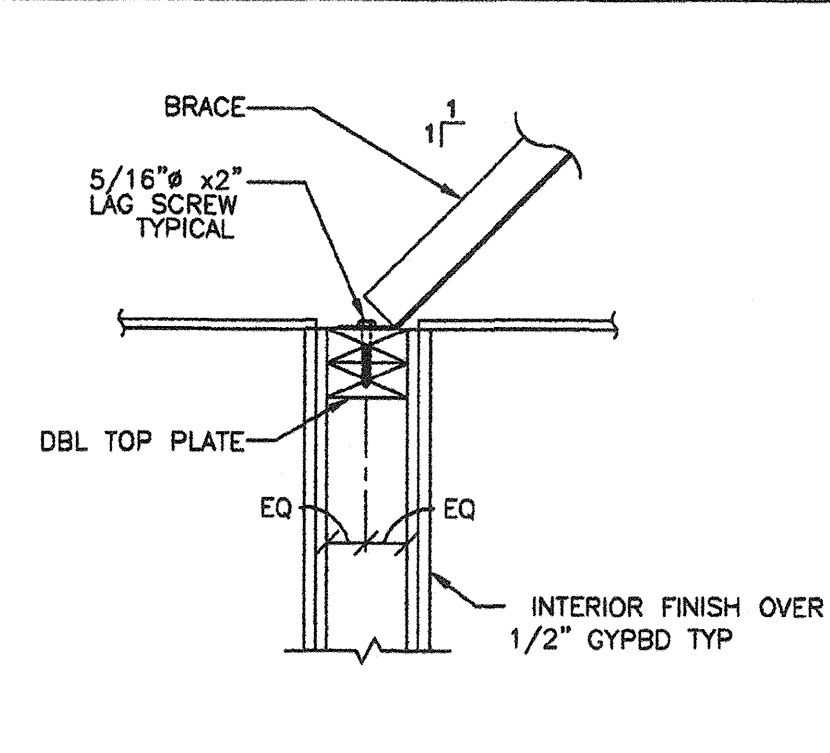
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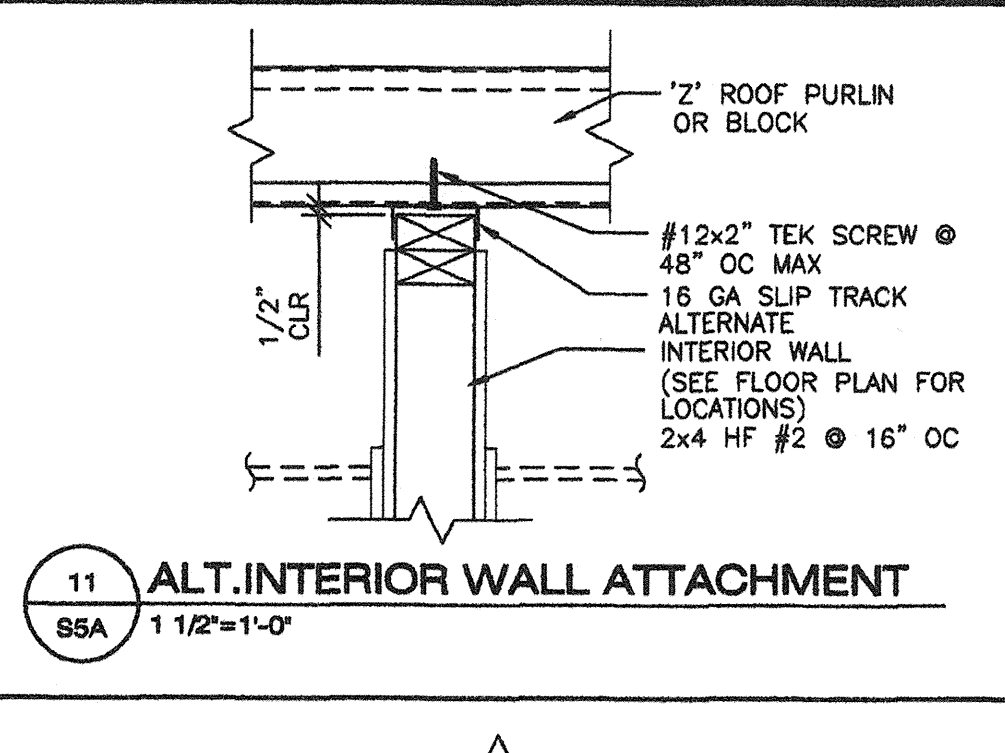
1 WALL TO COLUMN TYP DETAIL @ MODLINES
SSA 1 1/2"=1'-0"



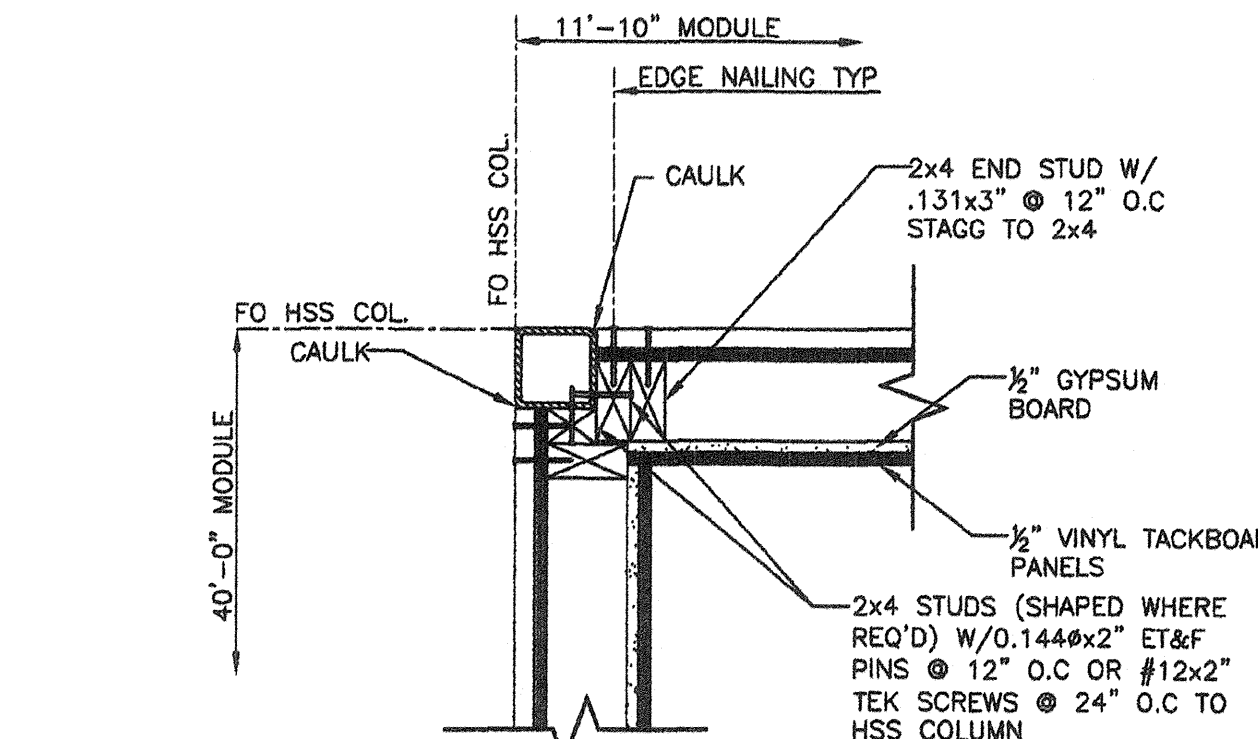
5 TYP. INTERIOR WALL BRACING
SSA 1 1/2"=1'-0" (BRACE PARALLEL TO PURLINS)



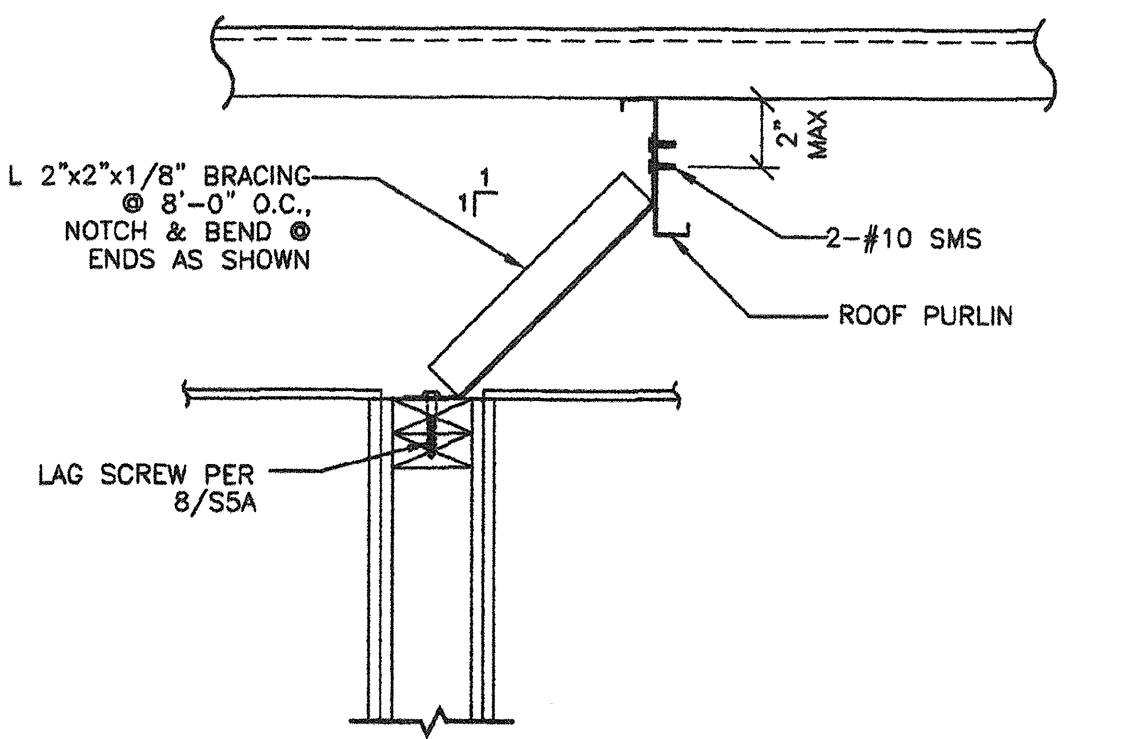
8 TYP. INTERIOR WALL BRACING
SSA 1 1/2"=1'-0" (INTERIOR PARTITION BRACING)



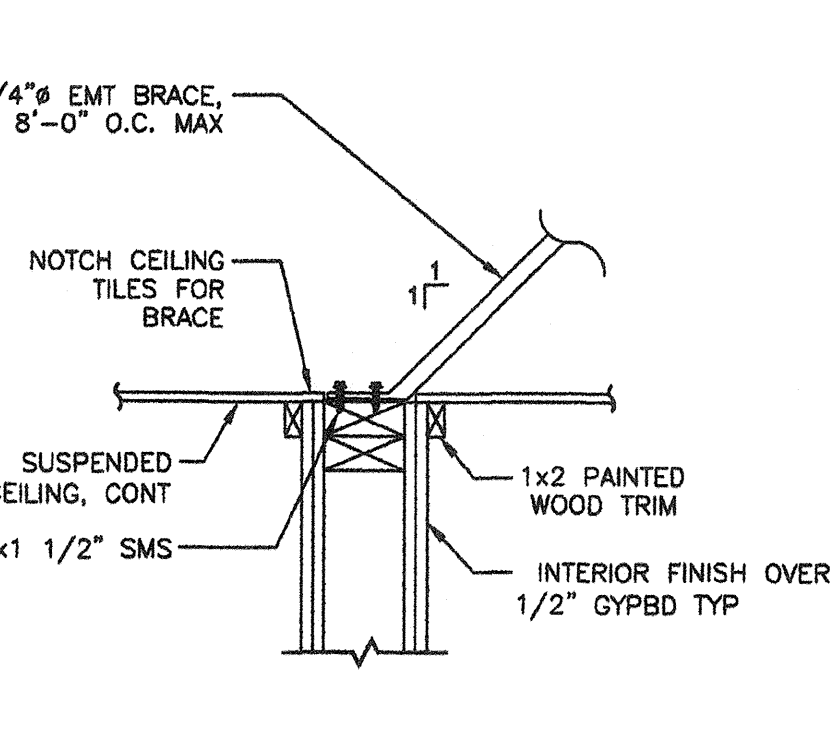
11 ALT. INTERIOR WALL ATTACHMENT
SSA 1 1/2"=1'-0"



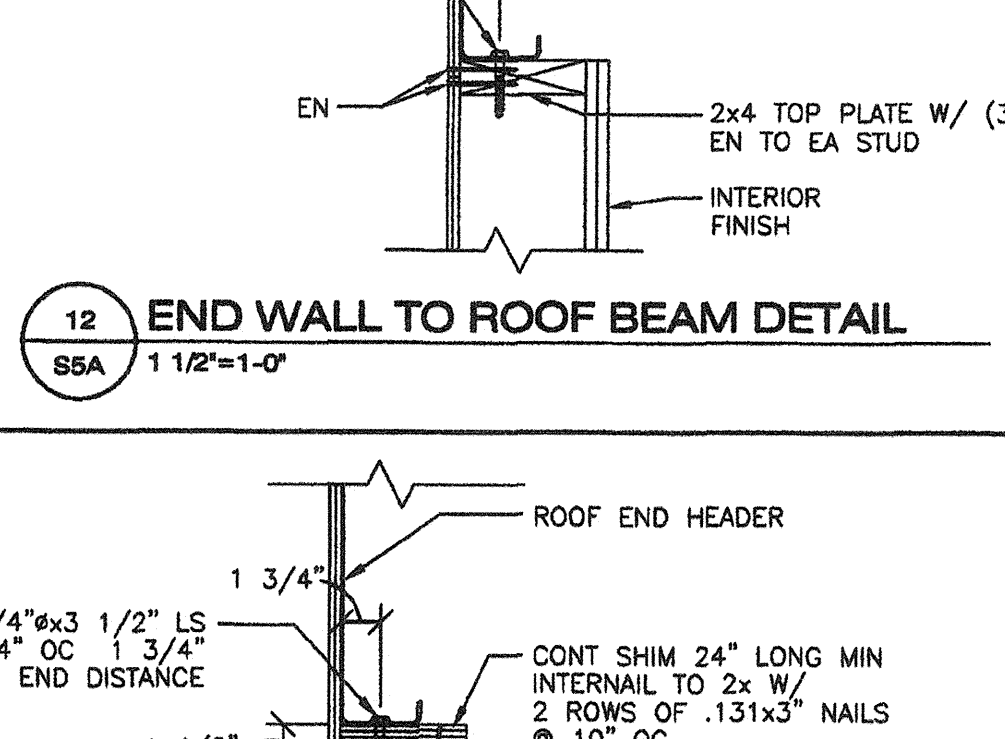
2 WALL TO COLUMN TYP DETAIL @ CORNER
SSA 1 1/2"=1'-0"



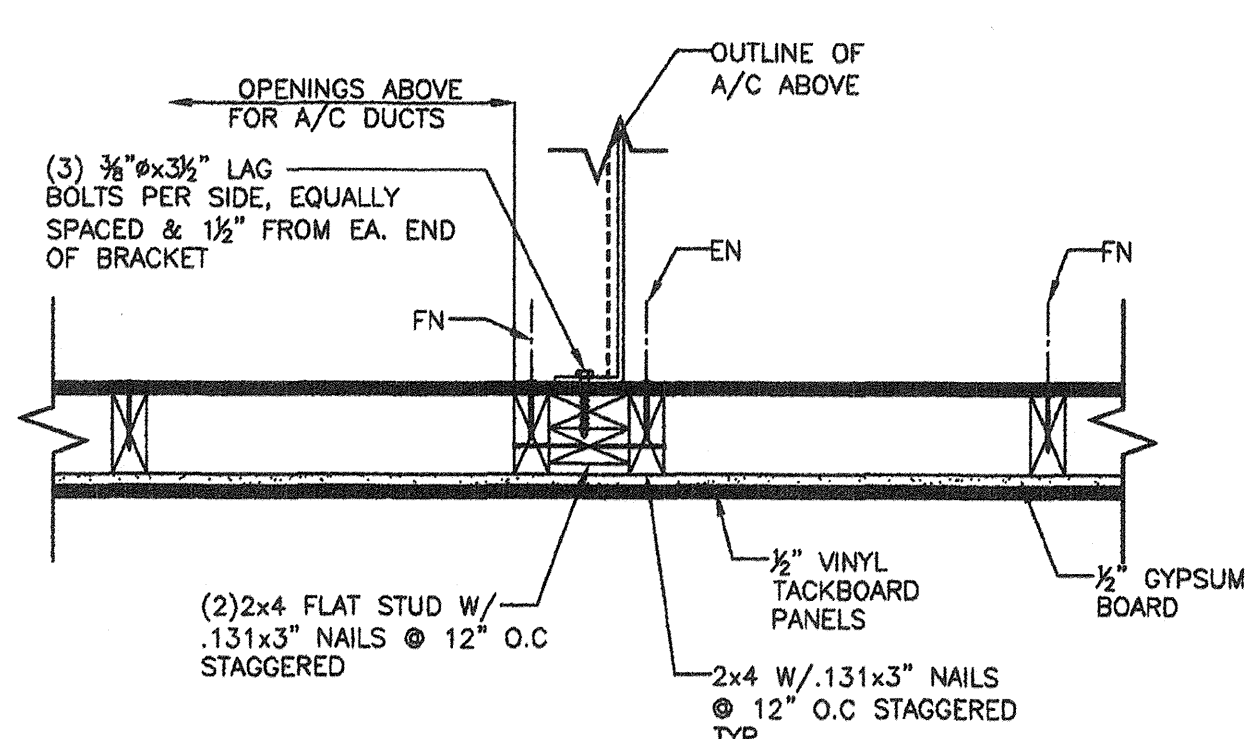
6 TYP. INTERIOR WALL BRACING
SSA 1 1/2"=1'-0" (BRACE PERPENDICULAR TO PURLINS)



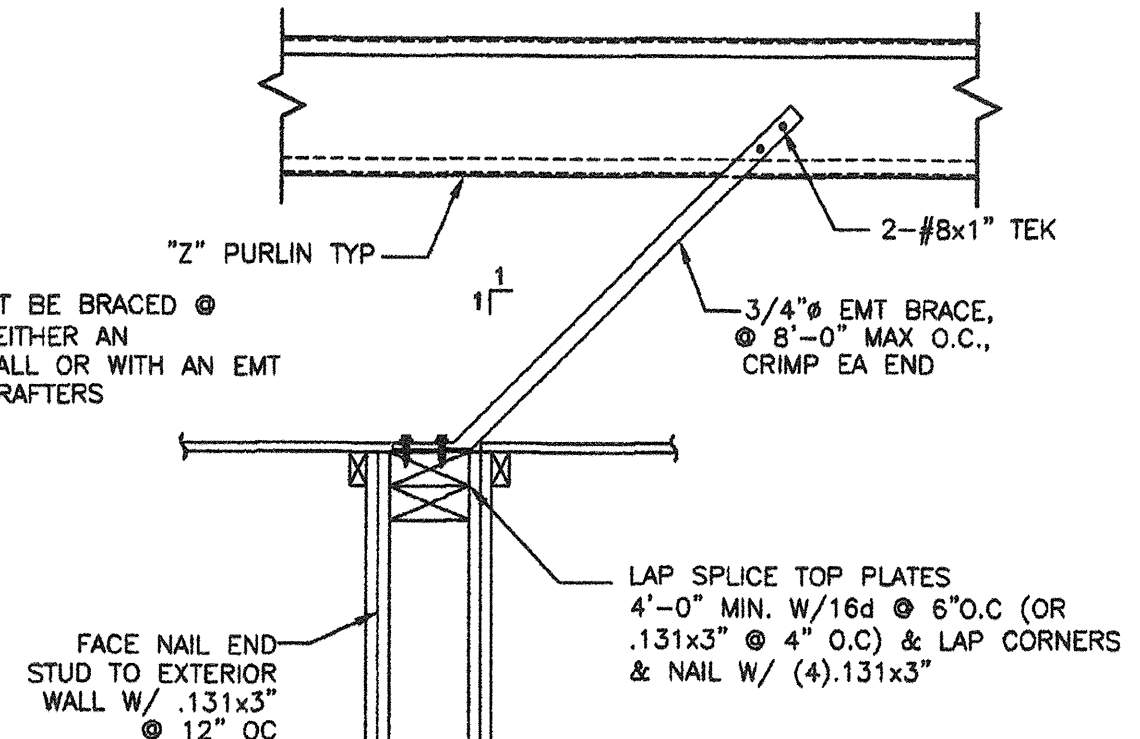
9 ALT. INTERIOR WALL BRACING
SSA 1 1/2"=1'-0" (INTERIOR PARTITION BRACING w/EMT BRACING)



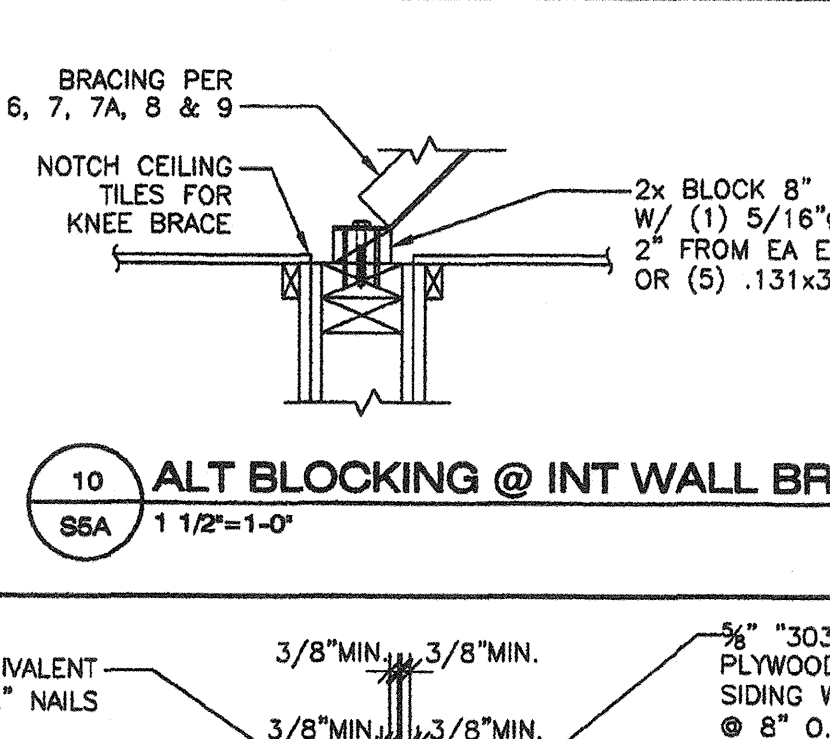
12 END WALL TO ROOF BEAM DETAIL
SSA 1 1/2"=1'-0"



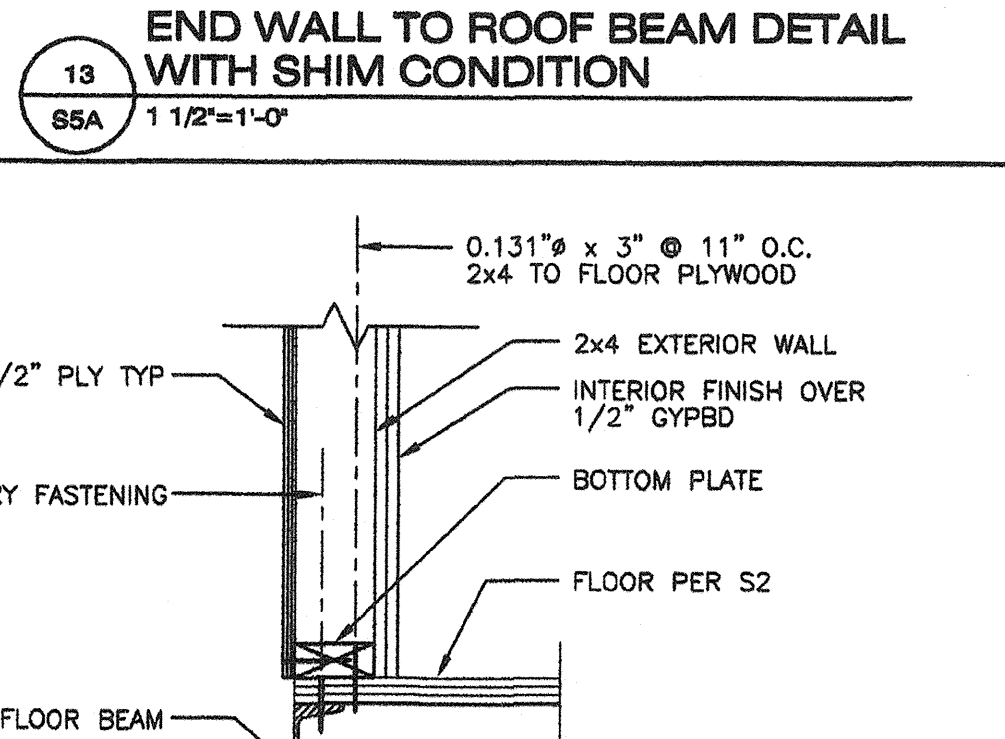
3 WALL HUNG HVAC DETAIL ATTACHMENT
SSA 1 1/2"=1'-0"



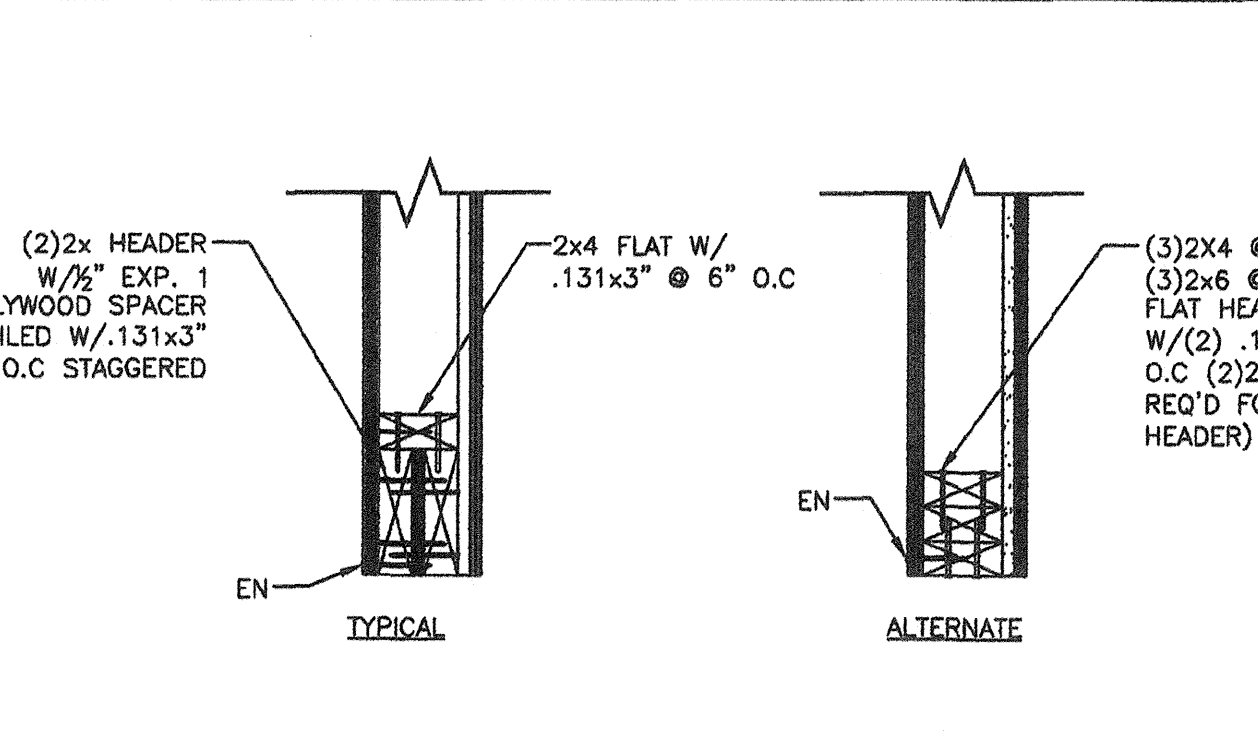
7 ALT. INTERIOR WALL BRACING w/EMT BRACE
SSA 1 1/2"=1'-0" (BRACE PARALLEL TO PURLINS)



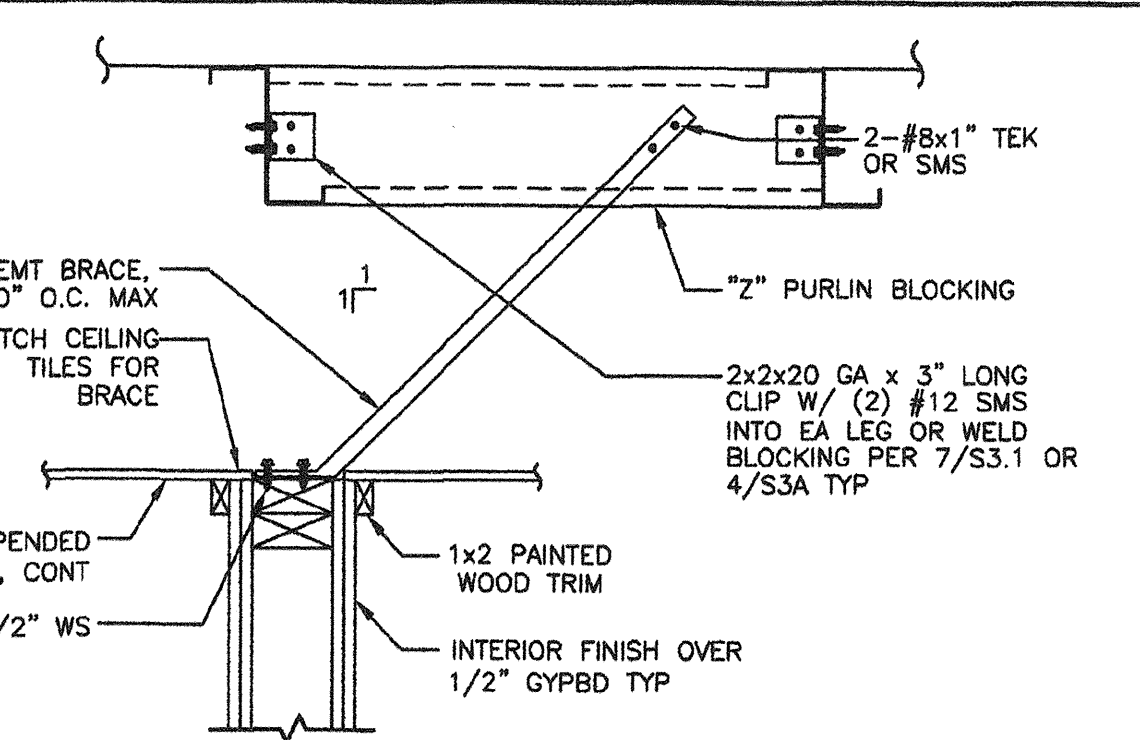
10 ALT BLOCKING @ INT WALL BRACING
SSA 1 1/2"=1'-0"



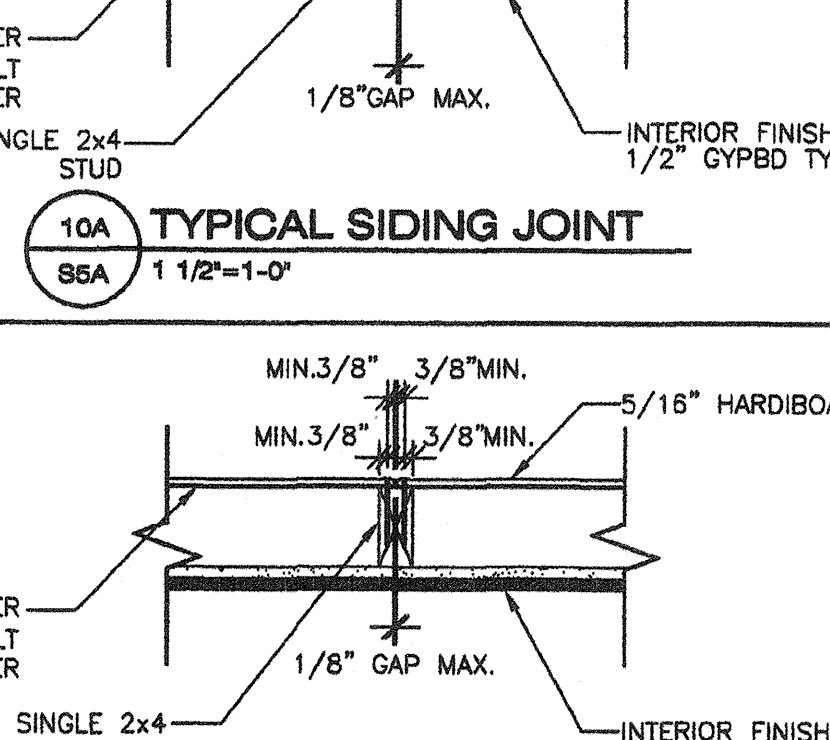
13 END WALL TO ROOF BEAM DETAIL WITH SHIM CONDITION
SSA 1 1/2"=1'-0"



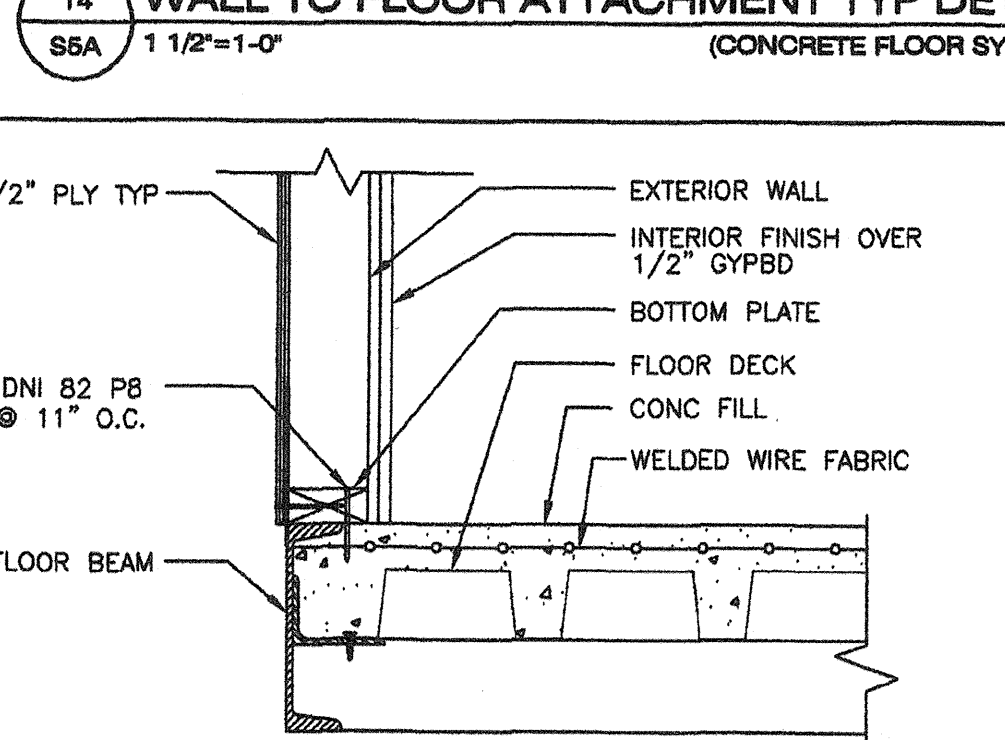
4 WALL HEADER DETAILS AND ALTERNATE
SSA 1 1/2"=1'-0"



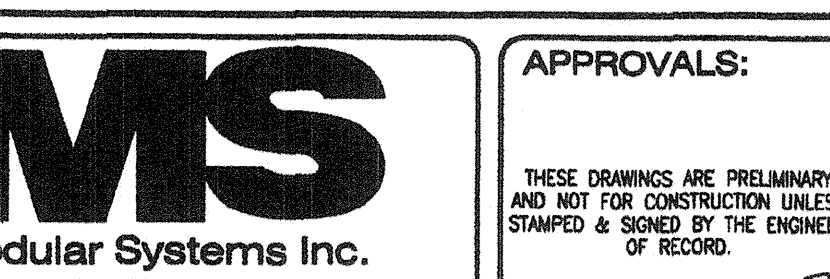
7A ALT. INTERIOR WALL BRACING w/EMT BRACE
SSA 1 1/2"=1'-0" (BRACE PERPENDICULAR TO PURLINS)



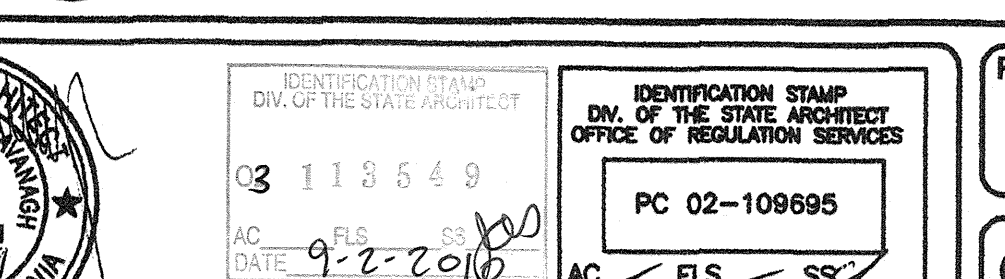
10A TYPICAL SIDING JOINT
SSA 1 1/2"=1'-0"



14 WALL TO FLOOR ATTACHMENT TYP DETAIL
SSA 1 1/2"=1'-0" (CONCRETE FLOOR SYSTEM)



10B TYPICAL HARDIBOARD JOINT
SSA 1 1/2"=1'-0"



15 WALL TO FLOOR ATTACHMENT TYP DETAIL
SSA 1 1/2"=1'-0" (CONCRETE FLOOR SYSTEM)

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 02/06/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS WALL FRAMING DETAILS

APPROVALS:
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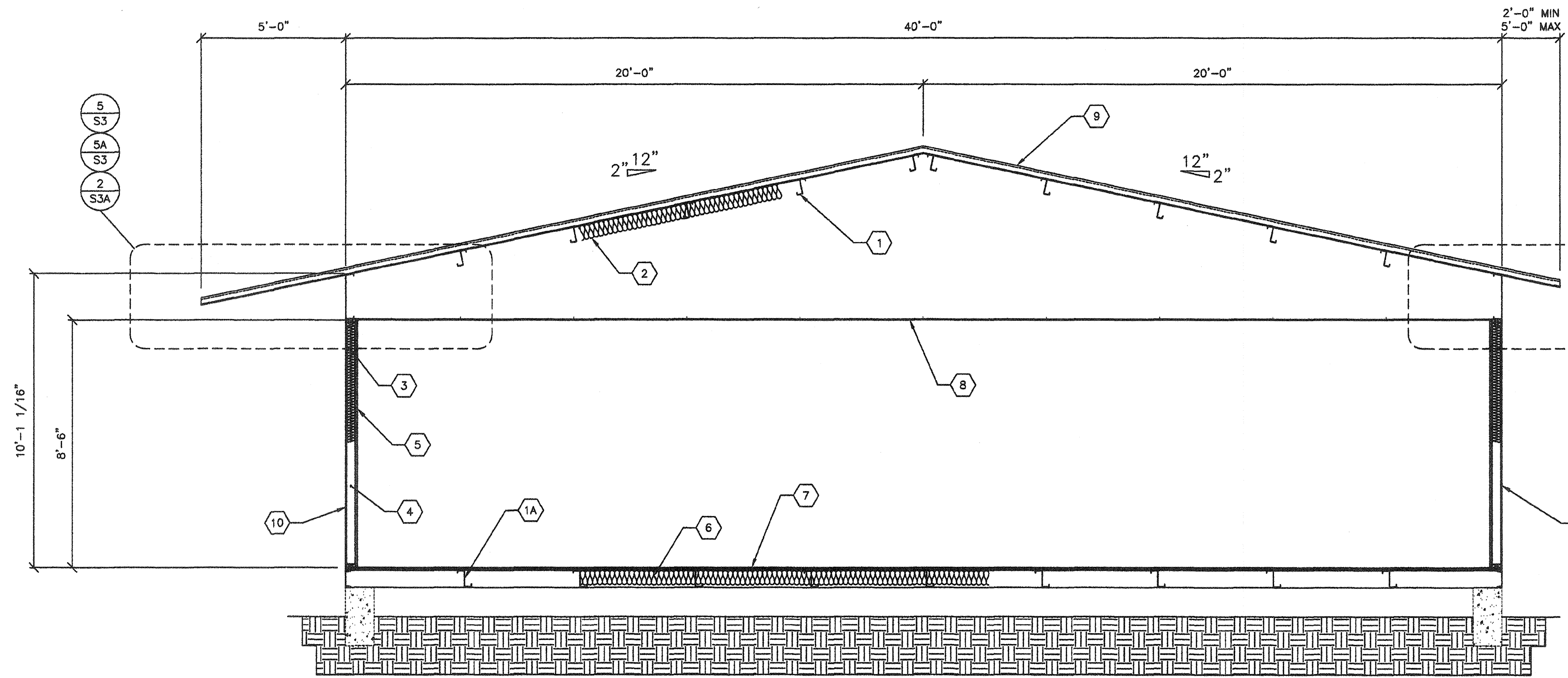
REGULATED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1419
Exp. 3-31-09
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
C3 118549
AC: FLS SS
DATE: 9-2-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
AC: FLS SS
DATE: 3/23/2009

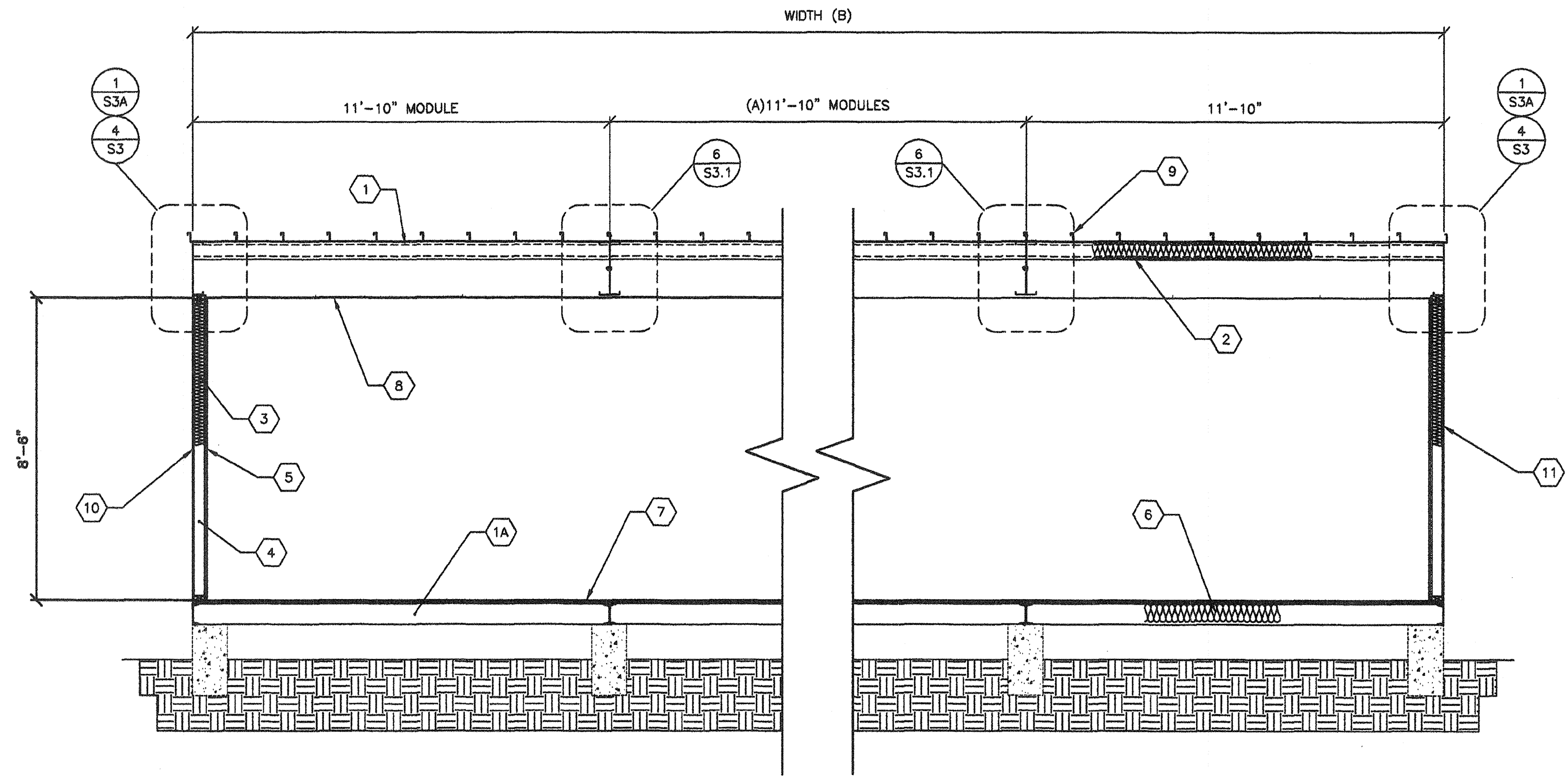
PROJECT No.
S5A-C

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A TYP. LONGITUDINAL SECTION
87 3/8"=1'-0"

- KEY NOTES -**
- 1 "2" PURLINS @ 48" O.C.
 - 1A STEEL "Z" FLOOR JOISTS @ 48" O.C.
 - 2 R-19 INSULATION w/22 GA WIRE @ 16" O.C.
 - 3 INSULATION w/KRAFT PAPER
 - 4 2x STUDS PER ELEV, S5
 - 5 VINYL FABRIC ON RIGID TACKABLE BACKING, 8'-6" PANELS
 - 6 INSULATION w/KRAFT PAPER AND CHICKEN WIRE
 - 7 1 1/2" PLYWOOD FLOOR SHEATHING FOR ALT SEE SHEET S2, S2A, S2B, S2C
 - 8 SUSPENDED T-BAR CEILING
 - 9 METAL ROOF PANELS SEE ROOF FRAMING PLAN
 - 10 TYPICAL PLYWOOD NAILING .131x2 1/4" GALV @ 6" O.C. PANEL EDGES (ALL EDGES BLOCKED), .131x2 1/4" GALV @ 12" O.C. FIELD
 - 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS



B TYP. TRANSVERSE SECTION
87 3/8"=1'-0"

- MODULE SCHEDULE -

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

REVISIONS

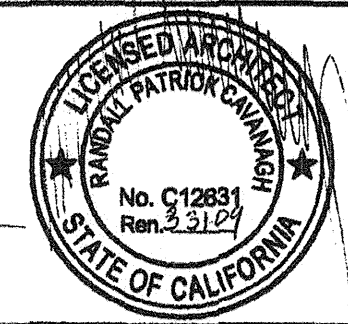
NO	DATE	DESCRIPTION

DATE: 02/05/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
2:12 PITCHED ROOF 24' x 40' THRU 120' x 40' RELOCATABLE BUILDINGS BUILDING SECTIONS



APPROVALS:
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IDENTIFICATION STAMP
NO. 118549
DATE: 9-2-2010

IDENTIFICATION STAMP
NO. PC 02-109695
DATE: 3/23/2009

PROJECT No.
S7-C

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American Modular Systems Inc.

12'x40' RELOCATABLE BUILDING
BAKERSFIELD SCHOOL DISTRICT
PIONEER DRIVE ELEMENTARY SCHOOL

EXPOSED - STEEL

MODULAR STEEL MOMENT FRAME TEST & INSPECTION GUIDELINE

A SEPARATE TEST AND INSPECTION LIST IS TO BE SUBMITTED AS PART OF THE APPROVAL PROCESS. THIS GUIDE DOES NOT REPLACE THE TEST AND INSPECTION LIST

TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT (X - INDICATES TEST OR INSPECTION TO BE DONE)

Table with columns: TESTS and INSPECTIONS, STOCKPILE, CONSTRUCTION OF (diaphragm material/foundation material), and RELOCATION OF CERTIFIED BUILDING. Rows include: COMPACTED FILL, CONCRETE, FOUNDATION, REINFORCING STEEL, STRUCTURAL STEEL, GROUNDING, SHOT PINS, EXPANSION ANCHORS, EPOXY ANCHORS, INSPECTOR CLASS, SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY, COST OF THE PROJECT INSPECTOR AND TESTING AGENCY, COPIES OF THE REPORT TO.

ITEMS IN RED FONT COLOR ARE USER NOTES AND INDICATE ITEMS THAT NEED TO BE VERIFIED FOR EACH SPECIFIC PC. THE NOTES IN RED ABOVE AND BELOW ARE TO BE REMOVED PRIOR TO PLACING THE GUIDELINE ON THE DRAWINGS

- Note 1: Verify that Either Condition a or b are met: a) Concrete Plant complies fully with ASTM C94, Section 8 and 9, and has a current certification... b) Compressive strength: 3500 psi Specified - 2500 psi Design... c) Inspector to check first batching at start of work and furnish mix proportions to licensed weighmaster... d) Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket... e) Tickets transmitted to Inspector of Record... f) Submit Weighmaster Affidavit

Note 2: Air Content Test as required based on site location (for cold weather conditions)
Note 3: Required where the details of the PC specify a Welding
Note 4: Required where the details of the PC specify the use of this type of anchor

BUILDING DATA

Table with columns: OCCUPANCY, TYPE OF CONSTRUCTION, WIND LOAD, FLOOR LIVE LOAD, ROOF LIVE LOAD, FIRE SPRINKLER SYSTEM WEIGHT (PSF), ALLOWABLE SOIL PRESSURE (PSF), FLOOD HAZARD AREA, BUILDING AREA, CLIMATE ZONES, MODULES, SYSTEM, FOUNDATION TYPE, SEISMIC.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008
2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2004)
2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
(2006 INTERNATIONAL EXISTING BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R. (PENDING ADOPTION)
2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
PARTIAL LIST OF APPLICABLE STANDARDS
NFPA 13 Automatic Sprinkler Systems 2002 Edition
NFPA 14 Standpipe Systems 2003 Edition
NFPA 17 Dry Chemical Extinguishing Systems 2002 Edition
NFPA 17a Wet Chemical Systems 2002 Edition
NFPA 20 Stationary Pumps 2003 Edition
NFPA 24 Private Fire Mains 2002 Edition
NFPA 72 National Fire Alarm Code (California Amended) 2002 Edition
(Note See UL Standard 1971 for "Visual Devices")
NFPA 253 Critical Radiant Flux of Floor Covering Systems 2006 Edition
NFPA 2001 Clean Agent Fire Extinguishing Systems 2004 Edition
ASME 17.1 Elevator Standard 2004 Edition
Reference code sections for applicable Standards - 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

GENERAL NOTES

- 1. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
2. PC BUILDING LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
3. SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.

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S5 WALL FRAMING ELEVATIONS
S5A WALL FRAMING DETAILS
S7 BUILDING SECTIONS

BASED ON PC# 02-109808

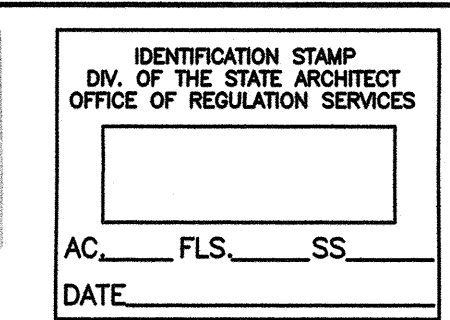
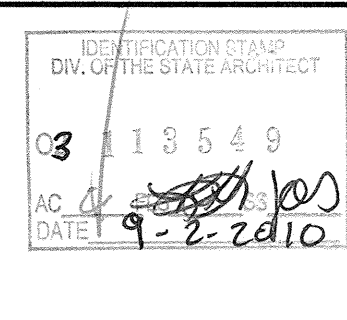
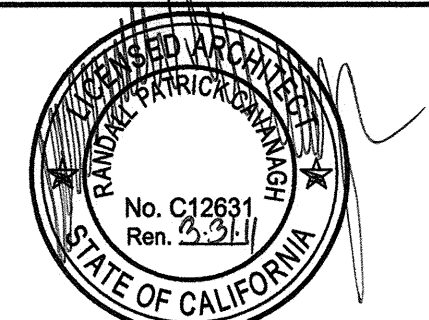
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Table with fields: CUSTOMER: BAKERSFIELD SCHOOL DISTRICT, PIONEER DRIVE ELEMENTARY SCHOOL; 12'x40' RELOCATABLE BUILDING COVER SHEET

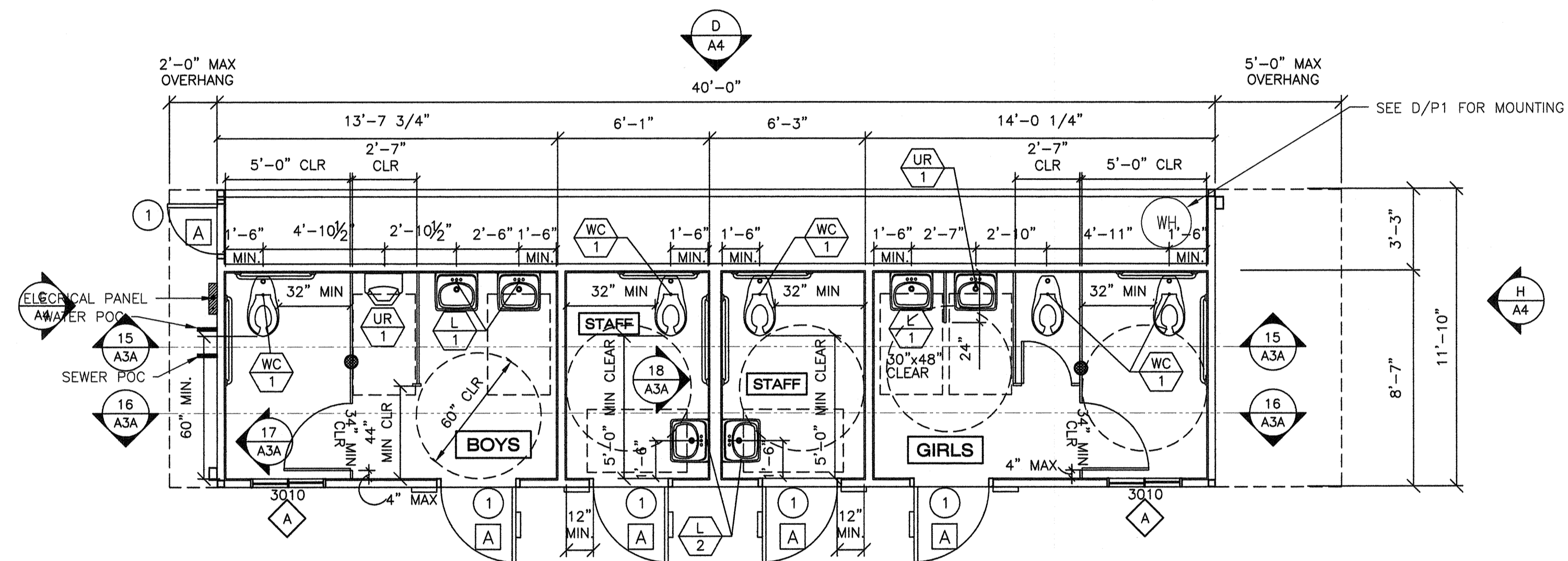
AMS logo and contact information: American Modular Systems Inc., 787 Spreckels Ave. Manteca, CA 95336, (209)825-1921 Fax (209)825-7018, americanmodular.com

APPROVALS:



PROJECT No. T-S-R

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3 RESTROOM FLOOR PLAN
A1 1/4"=1'-0" OPTION #3

- NOTES:
- CLOSER END CAPS ON FRONT AND REAR OF ROOF DECK. NO EXPOSED RIBS.
 - SOLID PLYWOOD DECK WITH FELT UNDERLAYMENT AT ALL STANDING SEAM METAL ROOFS.
 - CLOSED EAVES. NO EXPOSED ROOF-FRAMING.

- SHEET NOTES -
- 3'-0" x 1'-0" WINDOW
 - ROOM I.D. SIGNAGE PER DETAIL 2 & 7/AD (BY OWNER)
 - RESTROOM I.D. SIGNAGE PER DETAIL 1 & 6/AD (BY OWNER)
 - FIRE EXTINGUISHER TOP OF BRACKET @ +48" A.F.F.
 - EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
 - HVAC UNIT (LOCATION MAY VARY)
 - ELECTRICAL PANEL (LOCATION MAY VARY)
 - DOWNSPOUT (QUANTITY & LOCATION MAY VARY)
 - FLOOR DRAIN (LOCATION MAY VARY) TYP.
 - FLOOR LIVE LOAD SIGN PER 1603A.3 2007 CBC
 - OPTIONAL TYPICAL RAMP REFER TO SHEET 56R FOR DETAILS
 - CLASSROOM ID & ISA PER DETAIL 5 & 9/AD

- GENERAL NOTES -
- REFER TO SHEETS A2 & A2.1 FOR ADDITIONAL FLOOR PLAN CONFIGURATIONS
 - INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET SSA FOR ATTACHMENTS.
 - PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER CBC 1008.1.9
 - IF OCCUPANCY LOAD EXCEEDS 50 PROVIDE A SECOND EXIT DOOR PER CBC TABLE 1015.1
 - PROVIDE OCCUPANT LOAD SIGN (BY OWNER) CAPACITY POSTING PER CBC SECTION 1004.3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POST WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

SYMBOL SCHEDULE

#	DOOR (REFER TO SHEET A3 FOR TYPES)
X	DOOR HARDWARE TYPE REFER TO DOOR HARDWARE SCHEDULE
△	WINDOW (REFER TO SHEET A3 FOR TYPES)

DOOR HARDWARE SCHEDULE

A	EXTERIOR DOOR LOCKSET W/ LEVER HARDWARE PROVIDED BY DISTRICT
B	EXTERIOR DOOR PANIC BAR W/ PULL ON EXTERIOR VON DUPRIN 22LX230NL (WHEN REQUIRED)

Exterior Door:
 A) Hinges: Hager 4-1/2X4-1/2 butts, BB1278 US26D, 1-1/2 pair each door with set screw in barrel and ball bearing design
 C) Closer: Norton 7500DA or 8500BF series, LCN 1460 Del series or equal, (5 lbs. max. pressure) (15 lbs. max at fire doors.)
 D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jams and head or equal.
 E) Threshold: Threshold shall be Pemko 271 AV 5" X 1/4" THICK aluminum with Pemko 216 AV Ultra TH042 door bottom.

BASED ON PC# 02-109808

REVISIONS

NO	DATE	DESCRIPTION
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2		
3		

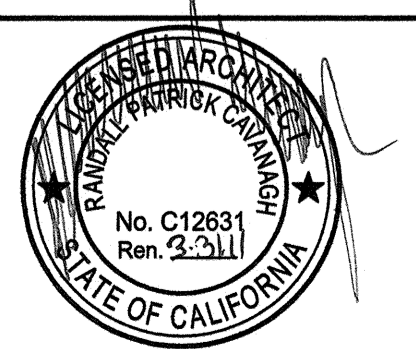
DATE: 08/12/10
 SCALE: NOTED
 DRAWN BY: RS
 SERIAL NO.:

CUSTOMER:
 BAKERSFIELD SCHOOL DISTRICT
 PIONEER DRIVE ELEMENTARY SCHOOL

12' x 40' RELOCATABLE BUILDING
 TYPICAL FLOOR PLANS

American Modular Systems Inc.
 787 Spreckels Ave. Manteca, CA 95336
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PROJECT No.
 A1-R

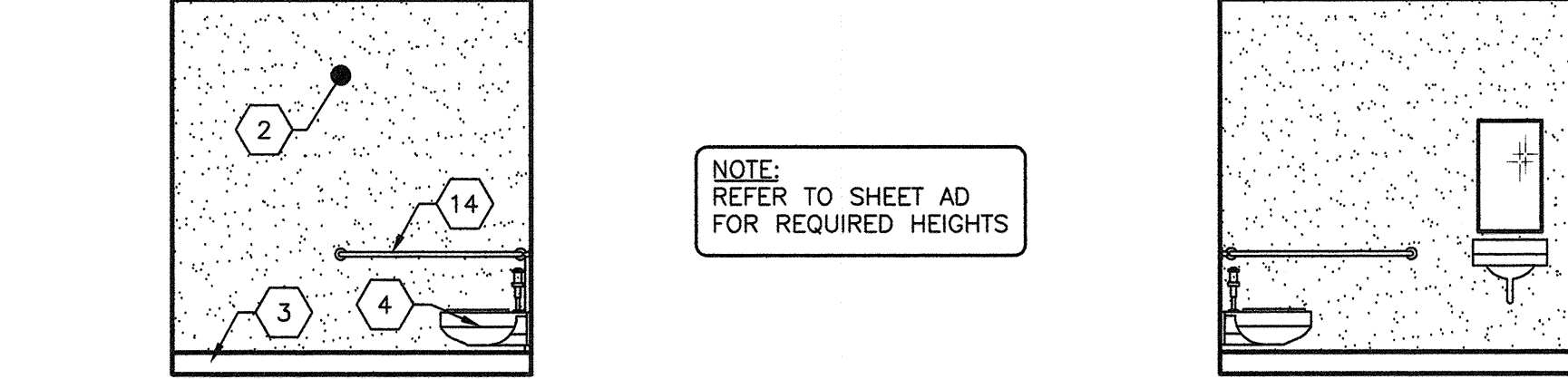
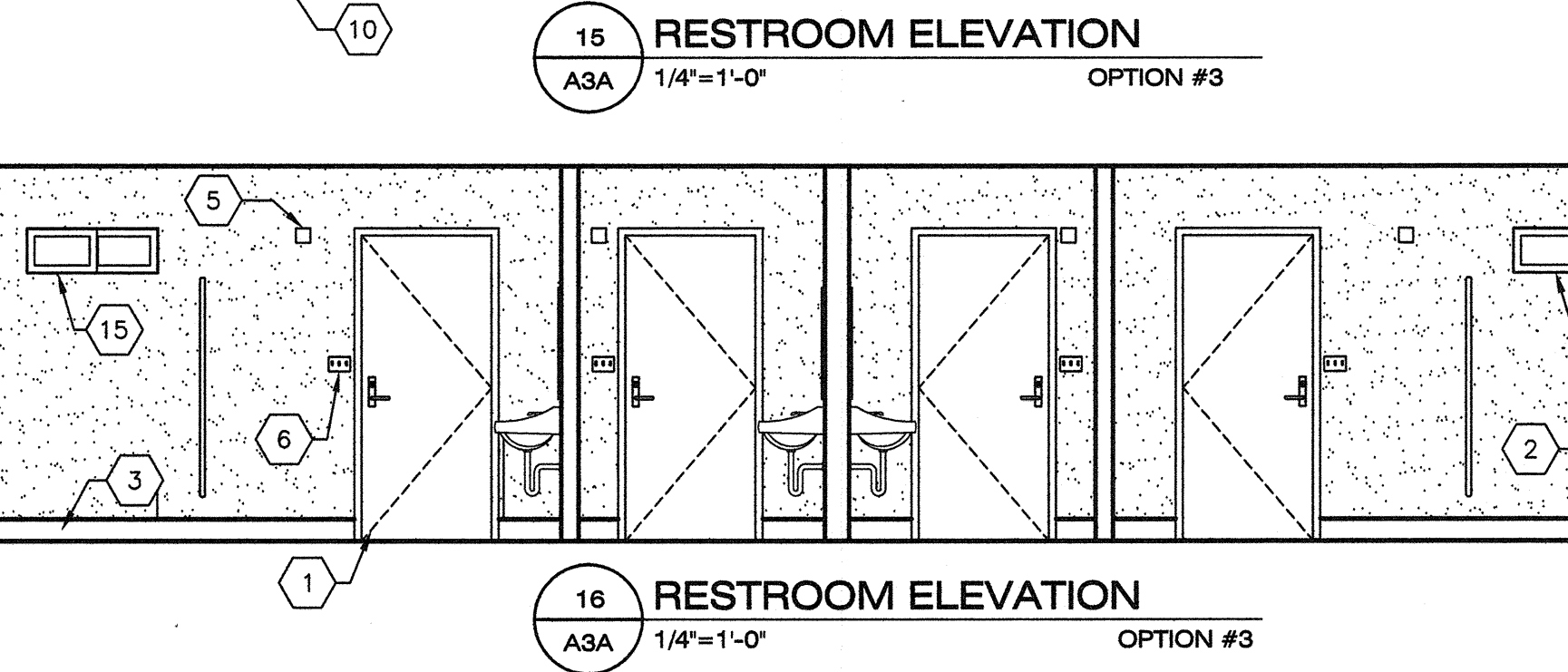
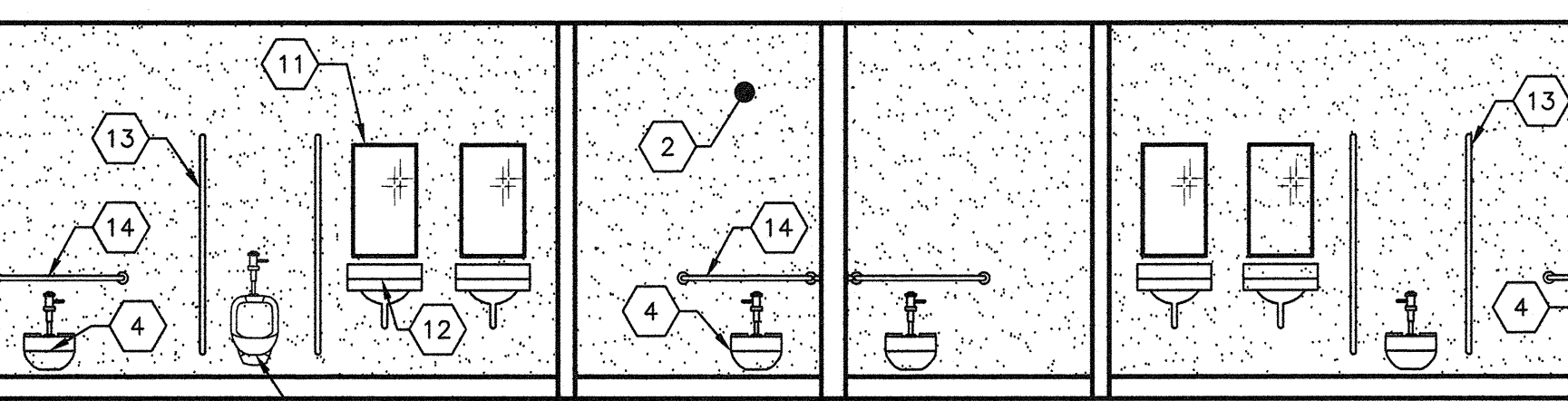
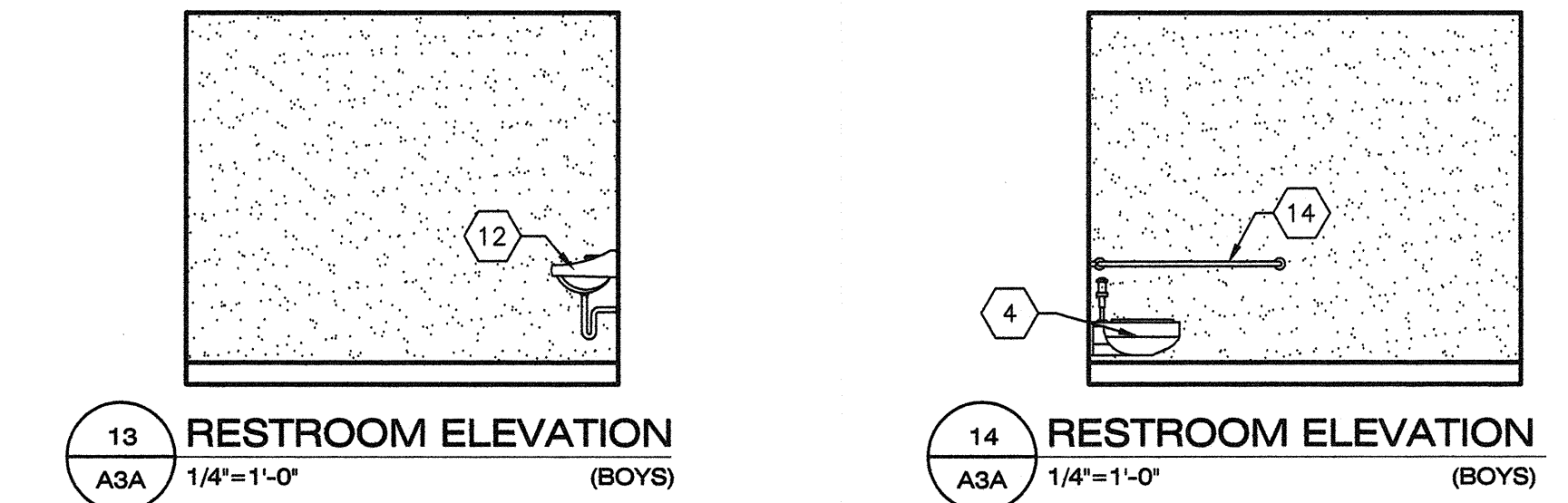
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ROOM FINISHES SCHEDULE										DOOR SCHEDULE										
ROOM NUMBER	ROOM NAME	FINISHES						REMARKS	DOOR NO.	FRAME OPENING SIZE	DOORS					FRAMES				
		FLOOR	BASE	FRONT	REAR	RIGHT	LEFT				MATERIAL	FINISH	GLASS TYPE	U-FACTOR	SHGC	MATERIAL	FINISH	GLASS TYPE	U-FACTOR	SHGC
1	GIRLS RESTROOM	B	E	I	I	I	G	8'-6"	1	3'-0" x 7'-0"	HM	A	1	STL	5/AS	4/AS				
2	STAFF RESTROOM	B	E	I	I	I	G	8'-6"	2	3'-0" x 7'-0"	HM	A	1	STL	5/AS	4/AS				
3	STAFF RESTROOM	B	E	I	I	I	G	8'-6"	3	2'-0" x 7'-0"	HM	A	1	STL	5/AS	4/AS				
4	BOYS RESTROOM	B	E	I	I	I	G	8'-6"												

HM - HOLLOW METAL
 AL - ALUMINUM
 SSET - STAINLESS STEEL
 STL - STEEL FRAME, 16 GA. FULLY WELDED
 WWF - WINDOW WALL FRAME
 SC - SOLID CORE WOOD
 HC - HOLLOW CORE WOOD

WINDOW SCHEDULE						
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE
2	SLIDER	3'-0"	1'-0"	Bronze	Obscure	0.780 0.430

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.



NOTE: REFER TO SHEET AD FOR REQUIRED HEIGHTS

- STANDARD EQUIPMENT SCHEDULE -	
A.	SEWER AND WATER STUB OUTS - SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHOULD BE COORDINATED WITH THE MANUFACTURER.
B.	PIPING - WATER, COPPER TYPE "L", 95/5 SOLDER, WASTE DRAIN AND VENT ABS.
C.	TOILET TISSUE DISPENSER - BRADLEY MODEL 508-32 OR EQUAL
D.	TOILET PARTITIONS - ACCURATE SOLID PLASTIC OR EQUAL
E.	TOILET SEAT COVER - BOBRICK B-221 OR EQUAL

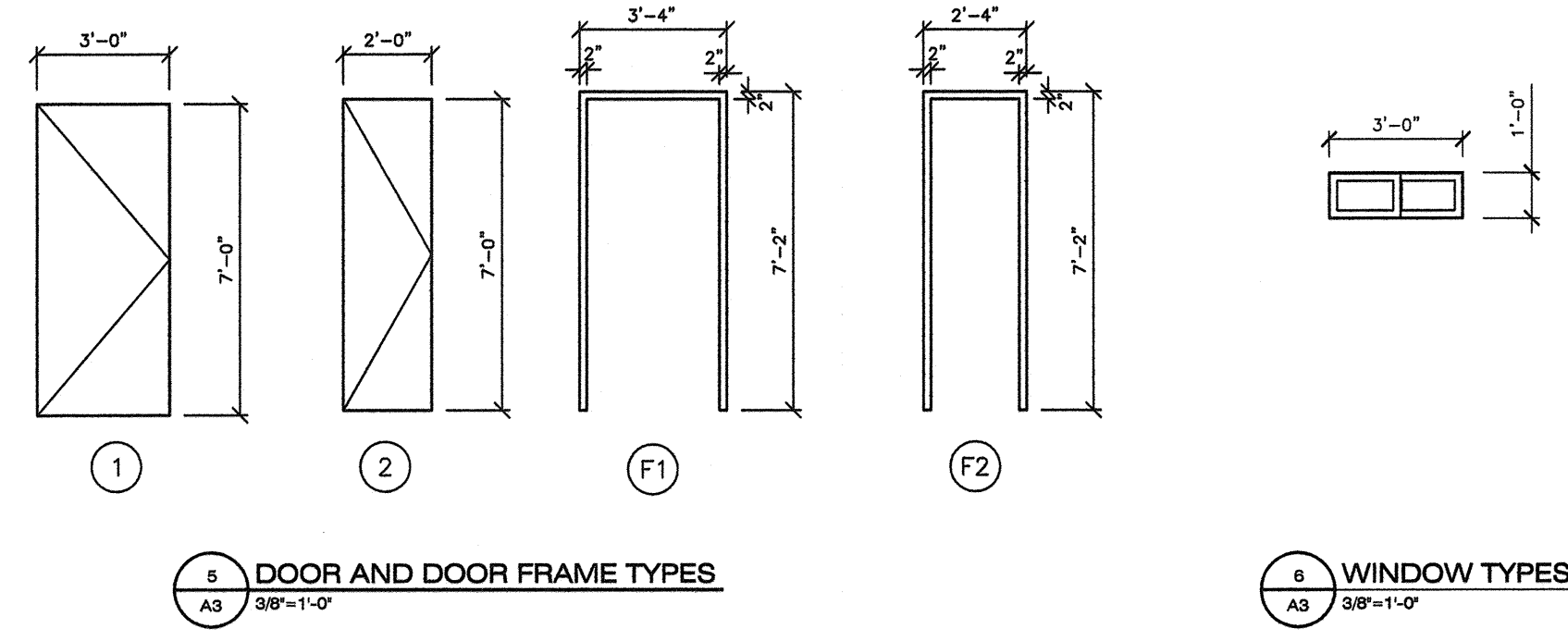
- SHEET NOTES -**
- RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION
 - INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET SSA FOR ATTACHMENTS.
 - REFER TO SCHEDULE 15/AD FOR ACCESSIBLE HEIGHTS @ TOILETS
 - REFER TO DETAILS 16 & 17/AD FOR TOILET ANCHORAGE

- KEY NOTES -	
1	TYP. EXTERIOR DOOR
2	F.R.P. FIBER REINFORCED PLASTIC
2A	VINYL WRAPPED TACKABLE WALLS
3	6" BASE
3A	4" BASE
4	TYP. TOILET
5	HORN/STROBE J-BOX SEE ELECTRICAL SHEETS
6	LIGHT SWITCH SEE ELECTRICAL SHEETS
7	NOT USED
8	TYP. GFCI OUTLET SEE ELECTRICAL SHEETS
9	WATER HEATER FOR DETAILS REFER TO SHEET 9/M2
10	TYP. URINAL
11	TYP. MIRROR
12	TYP. LAVATORY
13	TOILET PARTITION
14	GRAB BAR
15	TYP. WINDOW

NOTE: ALL INTERIOR SURFACE REQUIREMENTS PER CBC CHAPTER 11

- BUILDING FIXTURE SCHEDULE -					
MARK	FIXTURE	TYPE @ KINDERGARTEN	TYPE @ ELEMENTARY	TYPE @ ADULT	REMARKS
WC 1	WATER CLOSET	WALL MOUNT TYPE AMERICAN STANDARD MODEL AFWALL 2257.103 OR EQUAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL AFWALL 2257.103 OR EQUAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL AFWALL 2257.103 OR EQUAL	MOUNT AS SPECIFIED IN FLOOR PLANS
WC 2	WATER CLOSET	FLOOR MOUNT TANK TYPE AMERICAN STANDARD MODEL BABY DEVORO 2315.016 OR EQUAL	FLOOR MOUNT TANK TYPE AMERICAN STANDARD MODEL COLONY 2399.010 OR EQUAL	FLOOR MOUNT TANK TYPE AMERICAN STANDARD MODEL CADET 2998.012 OR EQUAL	MOUNT AS SPECIFIED IN FLOOR PLANS
WC 3	WATER CLOSET	FLOOR MOUNT FLUSH VALVE TYPE AMERICAN STANDARD MODEL BABY DEVORO 2282.010 OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE AMERICAN STANDARD MODEL MADERA 2234.015 OR EQUAL	FLOOR MOUNT FLUSH VALVE TYPE AMERICAN STANDARD MODEL MADERA 3043.102 OR EQUAL	FLUSH VALVE ZURN MODEL Z6000 OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS
L 1	LAVATORY	KOHLER MODEL HUDSON #K-2861 OR EQUAL			CHICAGO SINGLE CONTROL LAVATORY FAUCET 3300-CP STAFF OR 3400-CP STUDENT IN FLOOR PLANS
L 2	LAVATORY	AMERICAN STANDARD MODEL LUCERNE 0355.012 OR EQUAL			AS SPECIFIED IN FLOOR PLANS
UR 1	URINAL	WALL MOUNT TYPE AMERICAN STANDARD MODEL ALLBROOK 6541.132 OR EQUAL			FLUSH VALVE ZURN MODEL Z6003 OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS
M 1	MIRROR	WALL MOUNT TYPE BRADLEY MODEL 781-1830 OR EQUAL			MOUNT AS SPECIFIED IN FLOOR PLANS
GB 1	36" GRAB BARS	WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL R7436 (1 1/4" EXPOSED SCREW 36" & 42") OR EQUAL			18 GA. 304 STAINLESS STEEL SATIN FINISH. MOUNT AS SPECIFIED IN FLOOR PLANS (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
GB 2	42" GRAB BARS				
WH 1	WATER HEATER	RHEEMGLAS ENERGY MISER ELECTRIC WATER HEATER RHEEM POINT OF USE MODEL 81VP2S THRU 82VP30-1 OR EQUAL			AVAILABLE IN 2 1/2, 6, 10, 15, 20 AND 30 GALLON MODELS. MOUNT AS SPECIFIED IN FLOOR PLANS
FLS 1	FLOOR SINK	FLORESTONE FLOOR SINK MOLDED MOP RECEPTORS MODEL MSR-2424			AMERICAN STANDARD EXPOSED YOKE WALL MOUNT UTILITY FAUCET MODEL 8344.112
ULS 1	UTILITY SINK	WALL MOUNT TYPE ELJER RADFORD SINK MODEL 241-0354			AMERICAN STANDARD EXPOSED YOKE WALL MOUNT UTILITY FAUCET MODEL 8344.112
FV 1	FLUSH VALVE	SLOAN REGAL FLOSHOMETER MODEL #111			FLOW OPTIONS: 1.6 GAL. LOW CONSUMPTION FLUSH WATER CLOSET VALVE MOUNT AS SPECIFIED IN FLOOR PLANS. HANDLE AT WIDE SIDE
FV 2	FLUSH VALVE	ZURN FLUSH VALVE MODEL EXPOSED Z6003			FLOW OPTIONS: 1.0 GAL. LOW CONSUMPTION FLUSH 3/4" URINAL VALVE MOUNT AS SPECIFIED IN FLOOR PLANS. HANDLE AT WIDE SIDE
CS 1	CLASSROOM SINK	TEKA SINGLE BOWL SINK MODEL #256-413 OR EQUAL			AS SPECIFIED IN FLOOR PLANS
CS 1	KITCHEN SINK	TEKA DOUBLE BOWL SINK MODEL #336-413 OR EQUAL			AS SPECIFIED IN FLOOR PLANS

A
A3A
FIXTURE CALL OUTS



8 DOOR AND DOOR FRAME TYPES
A3 3/8" x 1'-0"

9 WINDOW TYPES
A3 3/8" x 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 08/12/10
 SCALE: NOTED
 DRAWN BY: RS
 SERIAL NO.:

CUSTOMER:
 BAKERSFIELD SCHOOL DISTRICT
 PIONEER DRIVE ELEMENTARY SCHOOL

12'x40' RELOCATABLE BUILDING
 TYPICAL RESTROOM INTERIOR ELEVATIONS

AMS
 American Modular Systems Inc.
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 americanmodular.com

APPROVALS:



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 DATE: 9-7-2010

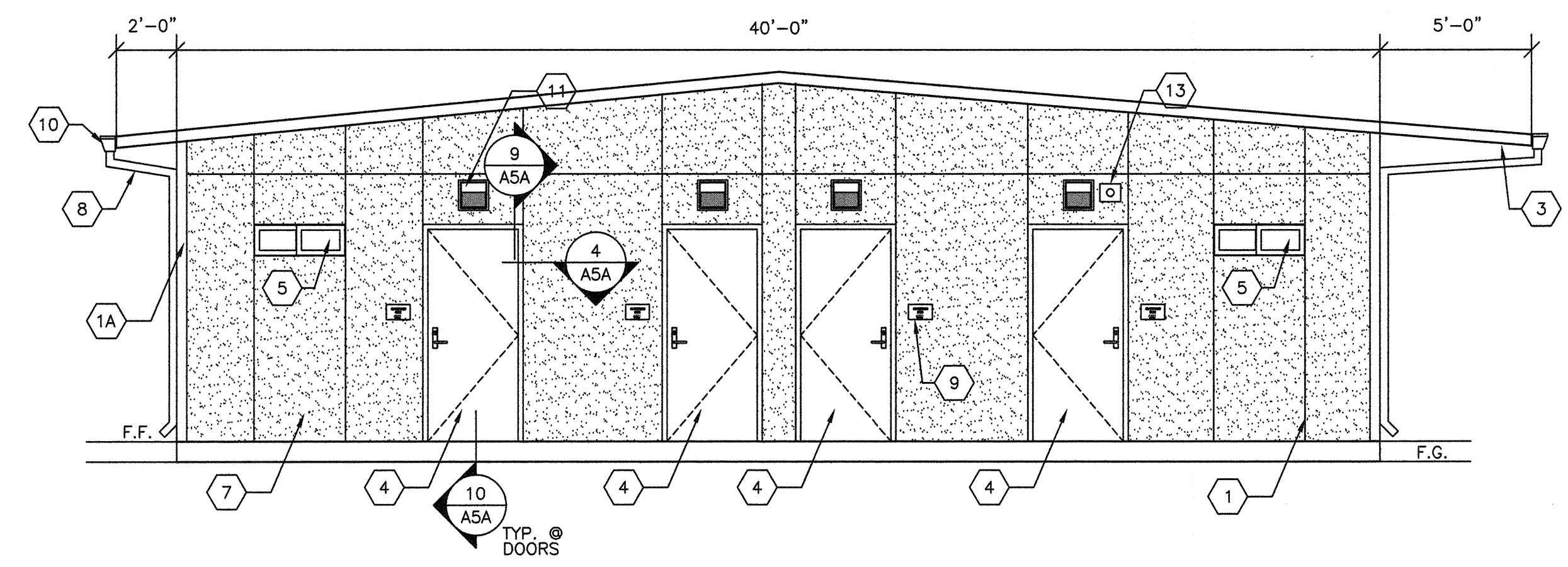
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A3-2

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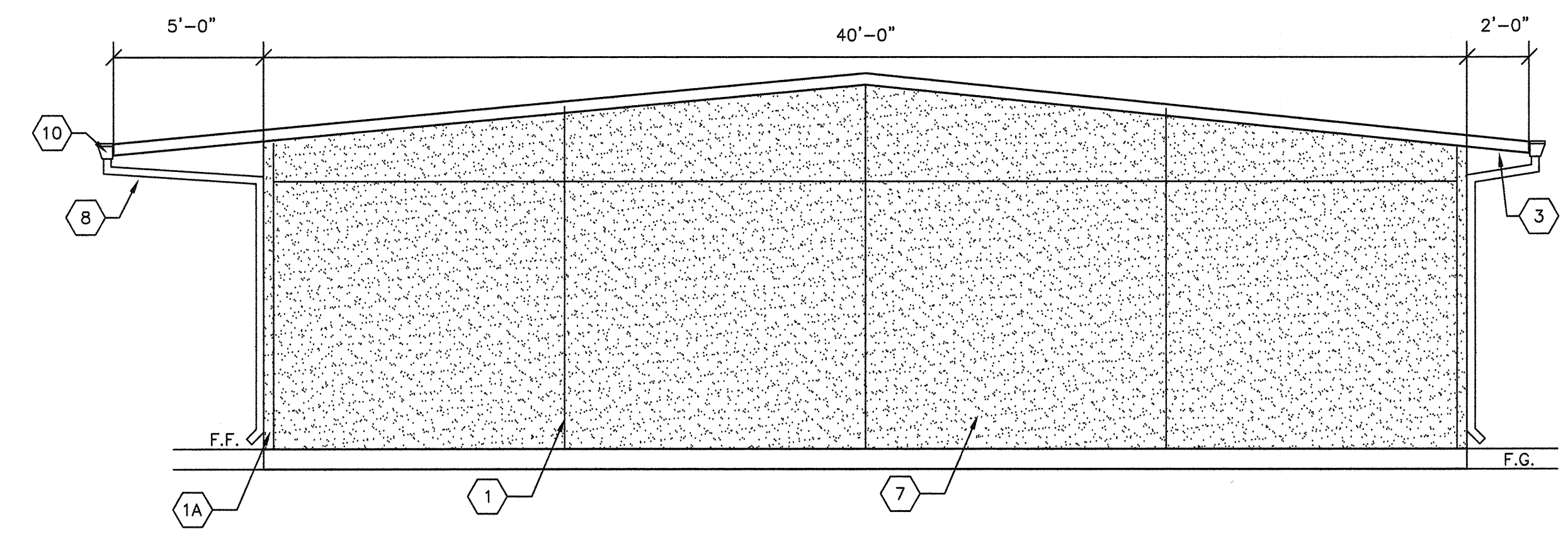
- SHEET NOTES -

- 1 CONTROL JOINT (LOCATIONS MAY VARY)
- 1A 16 GA. FLASHING TRIM @ MODLINES TYP.
- 2 STANDING SEAM METAL ROOFING
- 3 OVERHANG
- 4 TYPICAL EXTERIOR DOOR
- 5 WINDOW SEE SPEC'S
- 6 HVAC UNIT TYP.
- 7 ACRYLIC TEXTURED FINISH OVER HARDI-BOARD
- 8 DOWNSPOUT (QUANTITY & LOCATION MAY VARY)
- 9 ROOM ID SIGNAGE (NIC) TYP REFER TO DETAIL S/AD
- 10 GUTTER
- 11 EXTERIOR LIGHT FIXTURE TYP
- 12 MODULAR IDENTIFICATION TAG, +90" ABOVE F.F.
- 13 FIRE ALARM HORN (REFER TO E1)
- 14 WP/G.F.C.I TYP. @ HVAC UNITS SEE ELECTRICAL SHEETS.

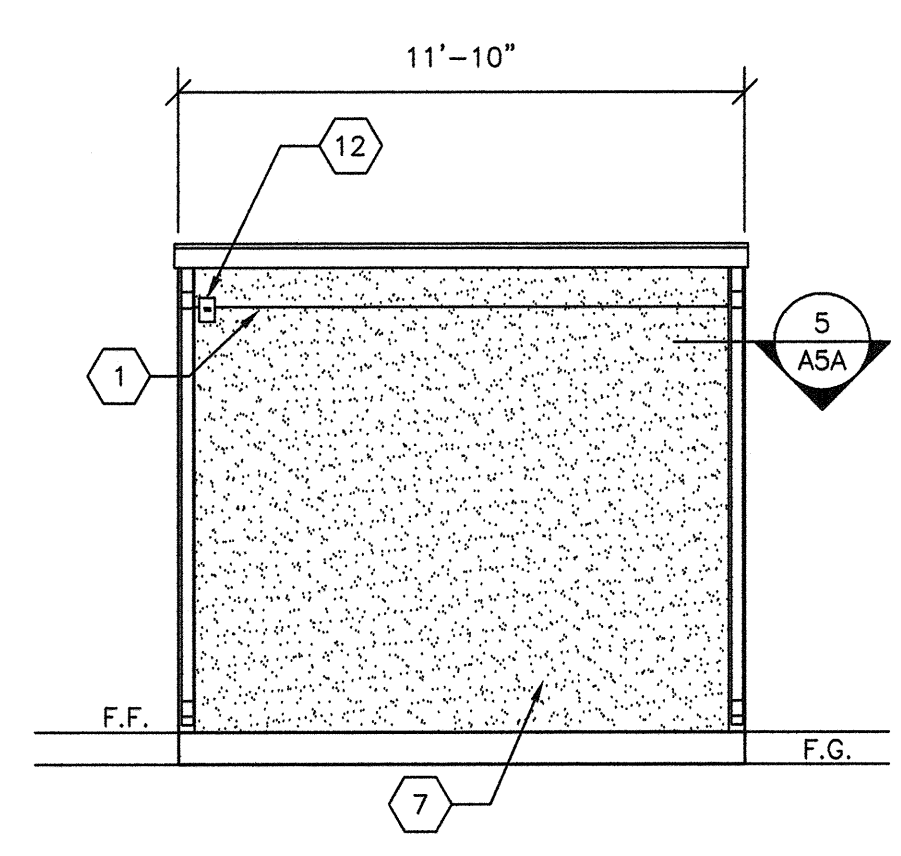
R RAMP NOT SHOWN FOR RAMP DETAILS REFER TO SHEET S6R



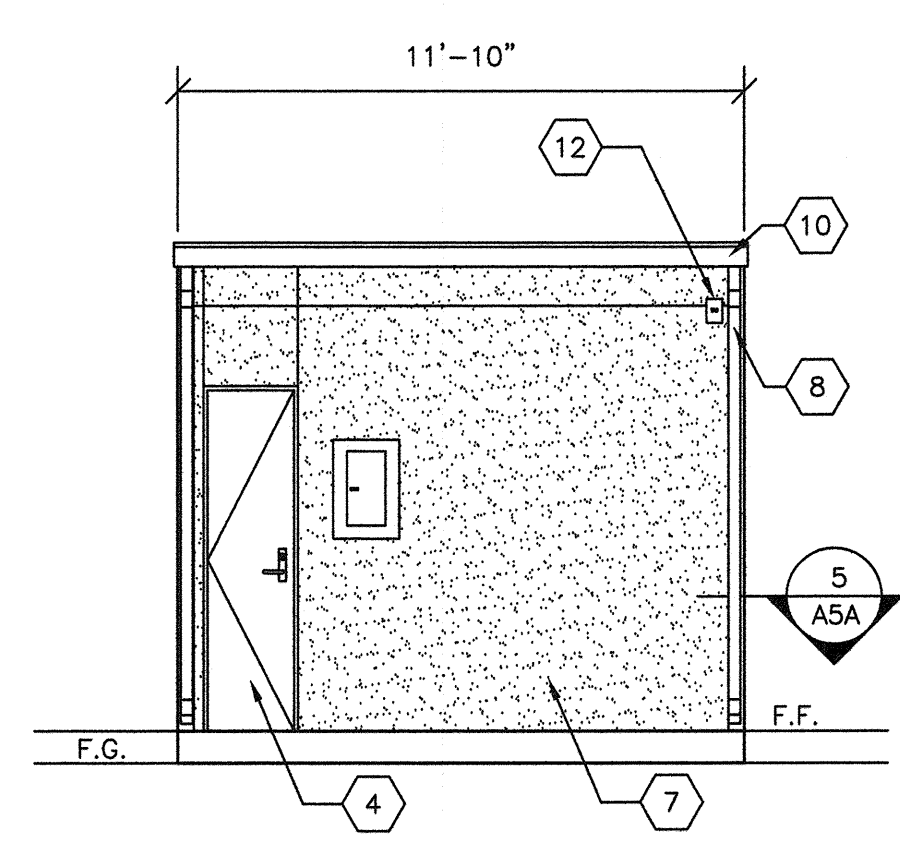
A FRONT EXTERIOR ELEVATION
A5 1/4"=1'-0"



D REAR EXTERIOR ELEVATION
A5 1/4"=1'-0"



G SIDE EXTERIOR ELEVATION
A5 1/4"=1'-0"



H SIDE EXTERIOR ELEVATION
A5 1/4"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION
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2		
3		

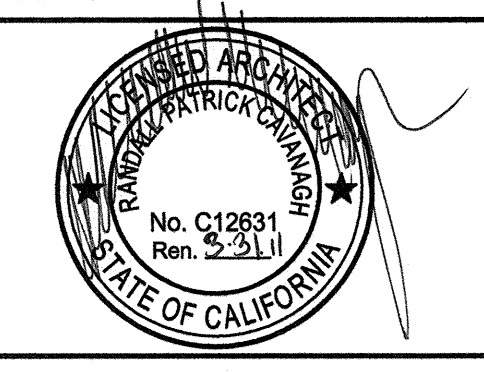
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SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
PIONEER ELEMENTARY SCHOOL

12'X40' RELOCATABLE BUILDING
TYPICAL EXTERIOR ELEVATIONS (SYNT. STUCCO OPTION)

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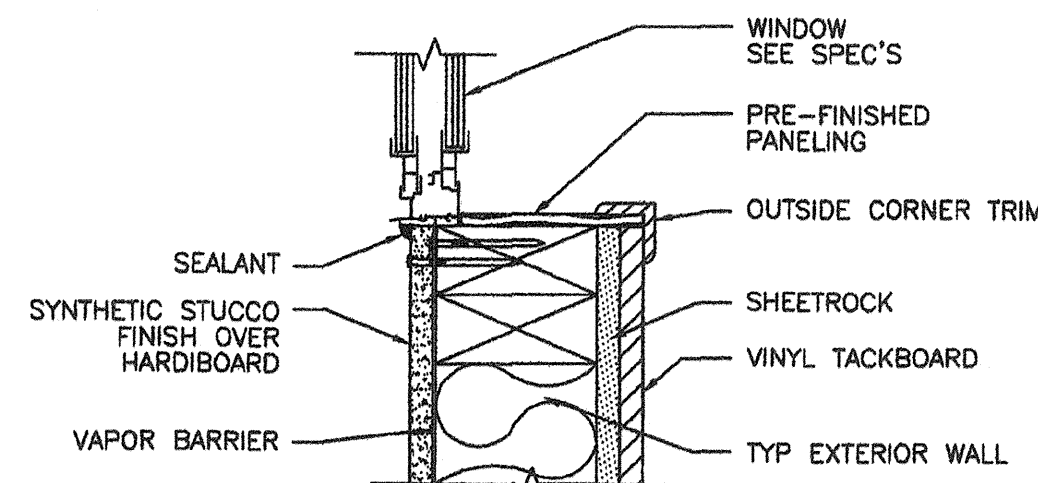
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DATE _____

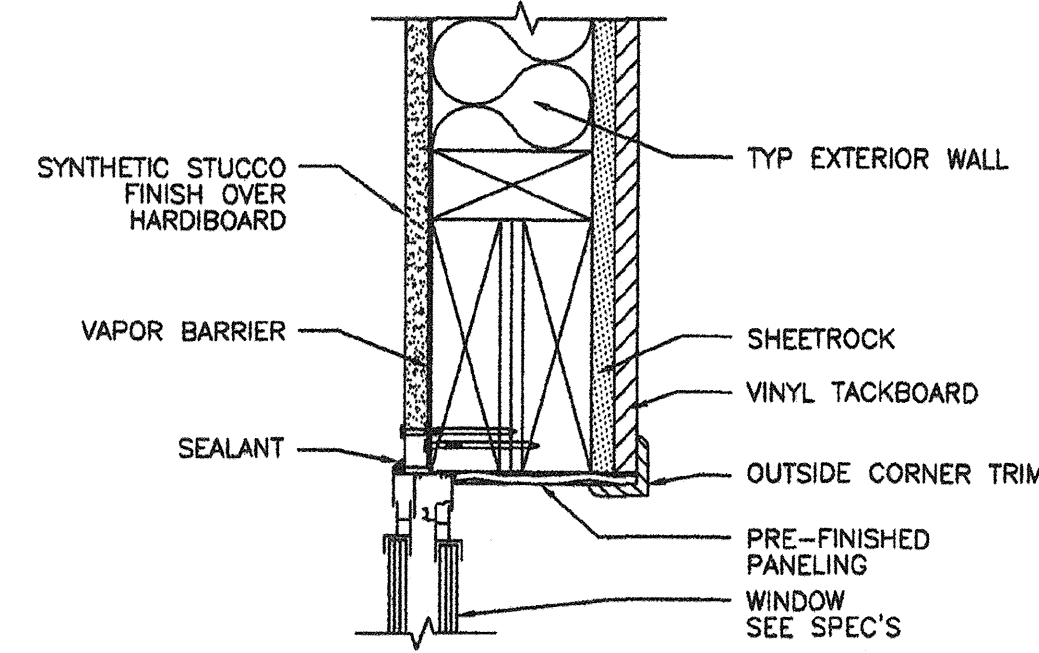
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A5-R

BASED ON PC# 02-109808

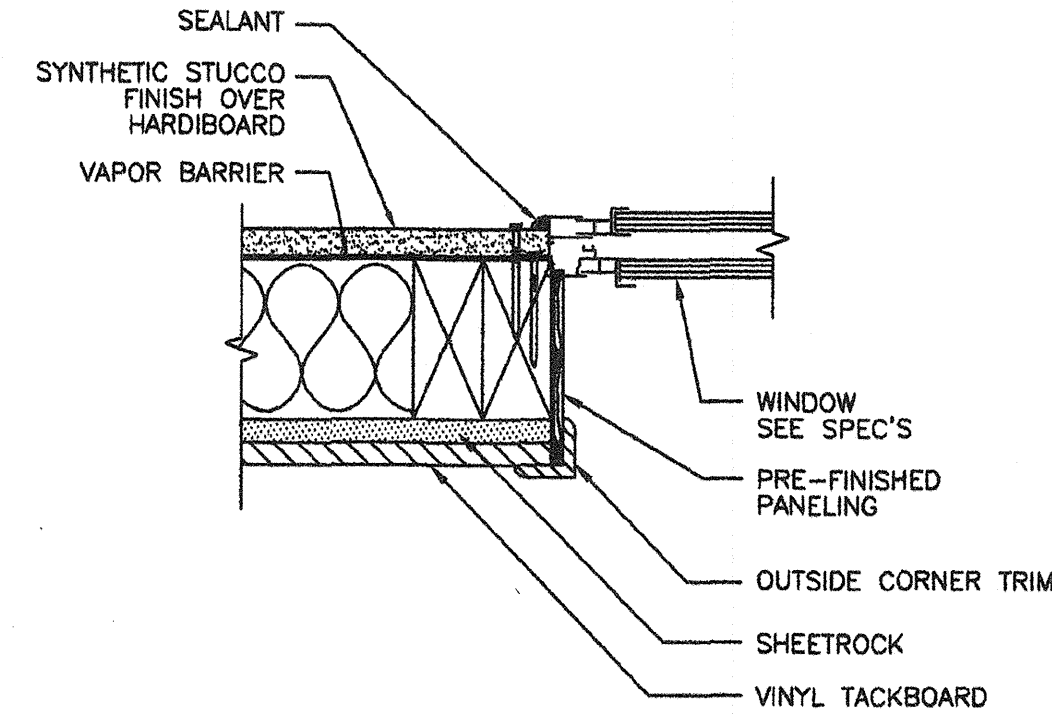
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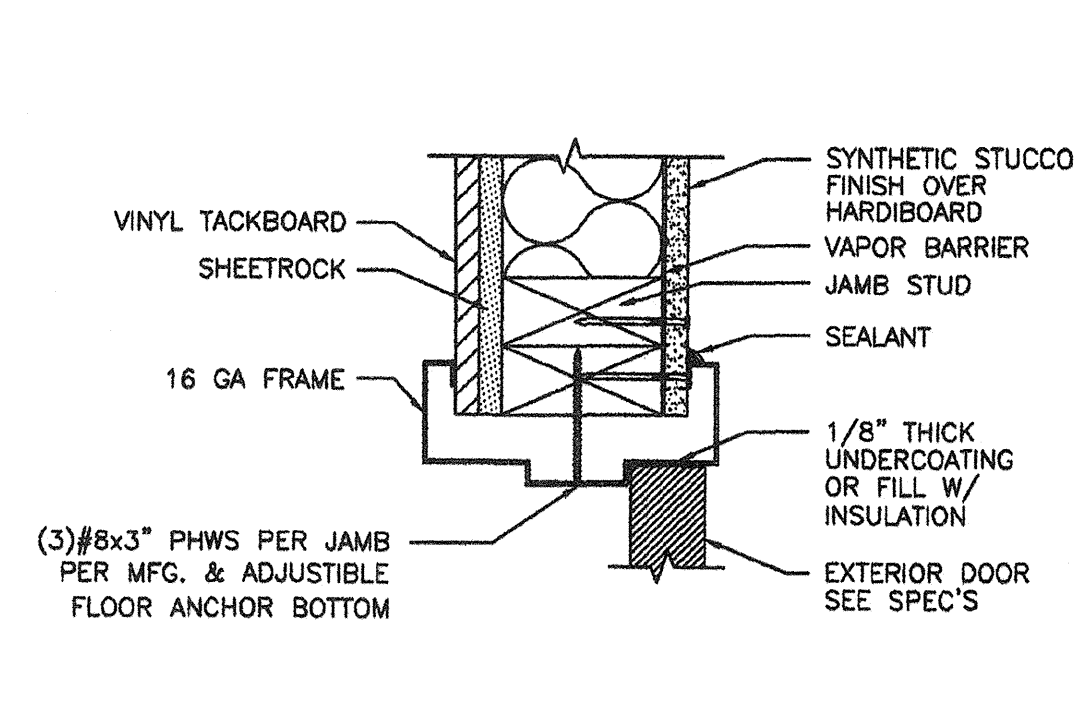
1 TYP WINDOW SILL DETAIL
ASA 3'-1'-0"



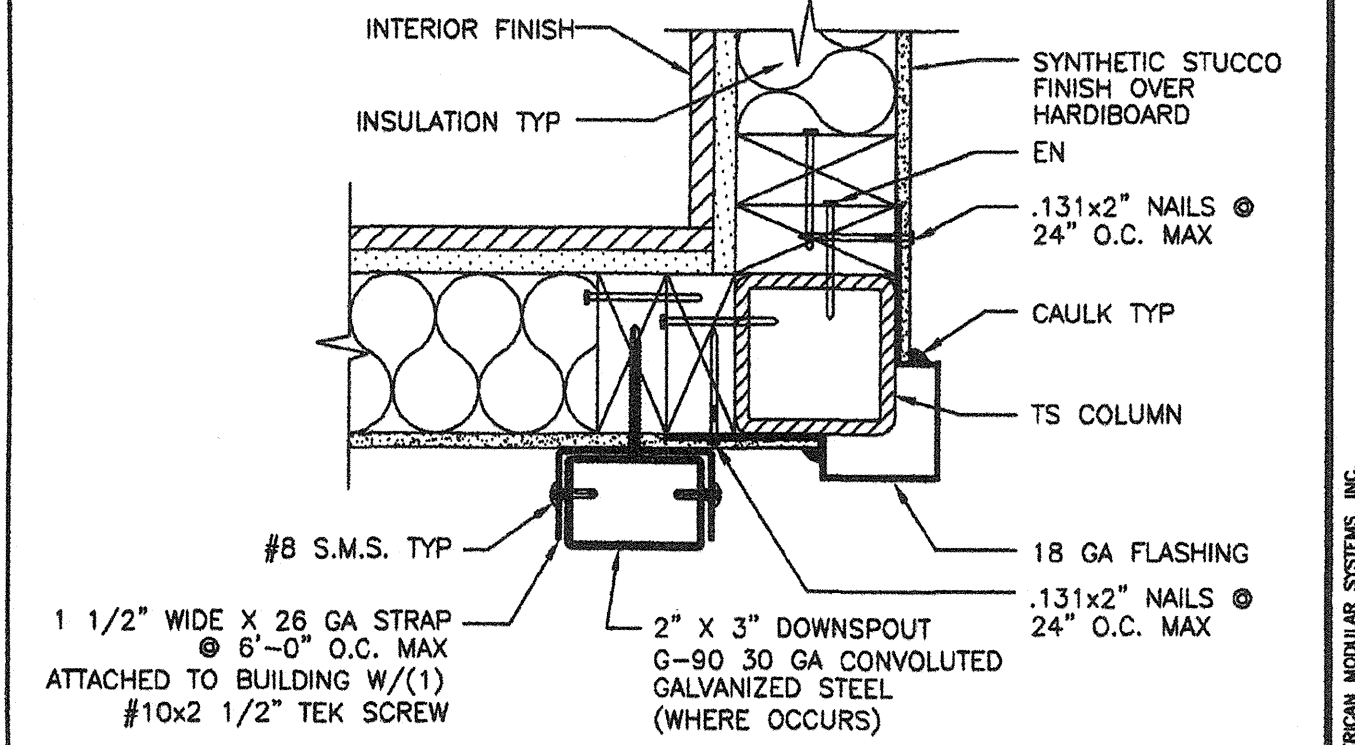
2 TYP WINDOW HEADER DETAIL
ASA 3'-1'-0"



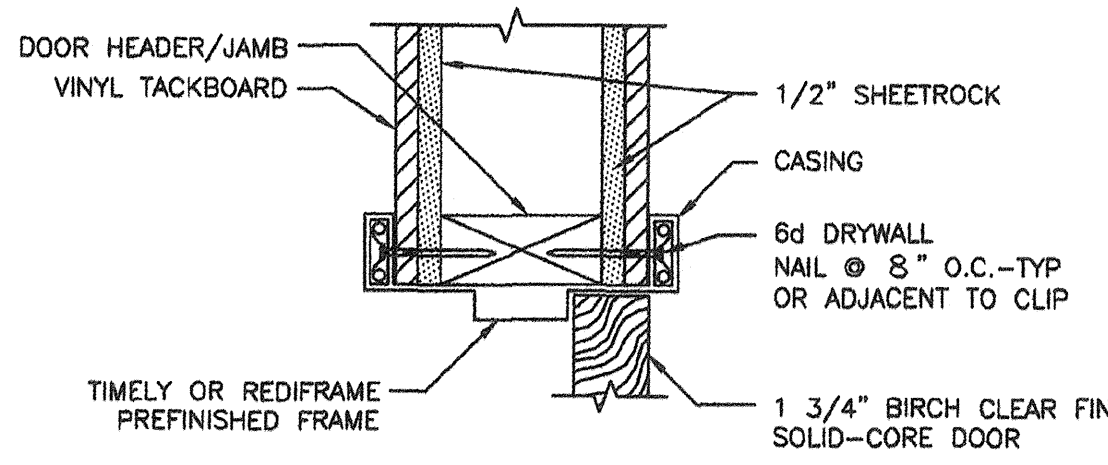
3 TYP WINDOW JAMB DETAIL
ASA 3'-1'-0"



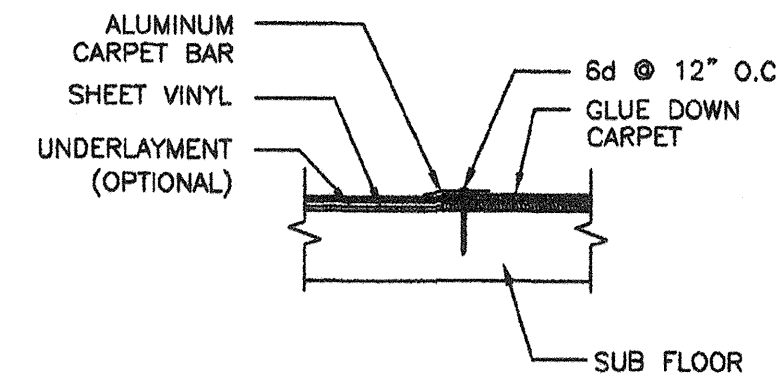
4 TYP DOOR JAMB DETAIL
ASA 3'-1'-0"



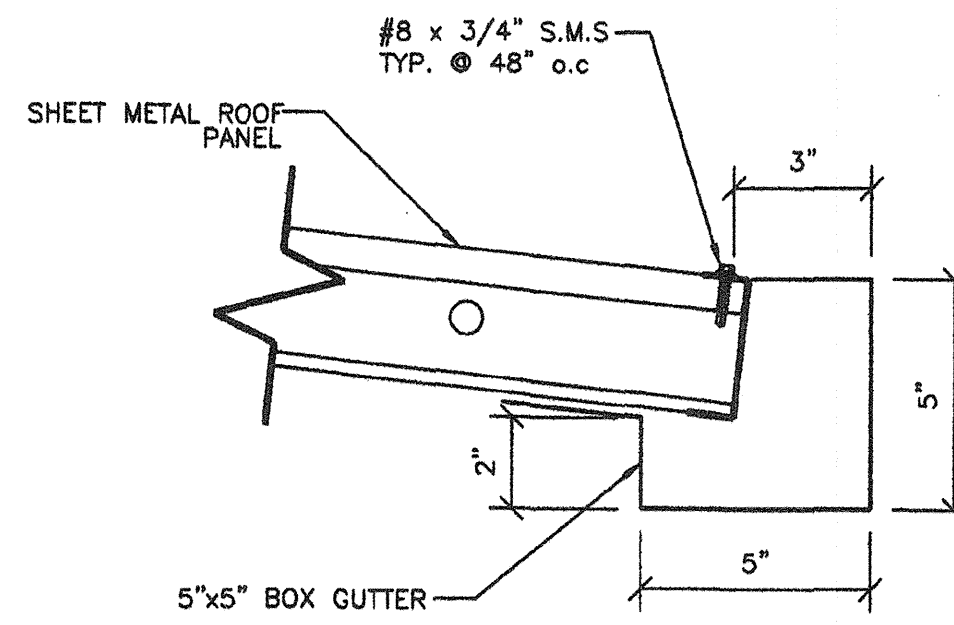
5 DOWNSPOUT ATTACHMENT DETAIL
ASA 3'-1'-0"



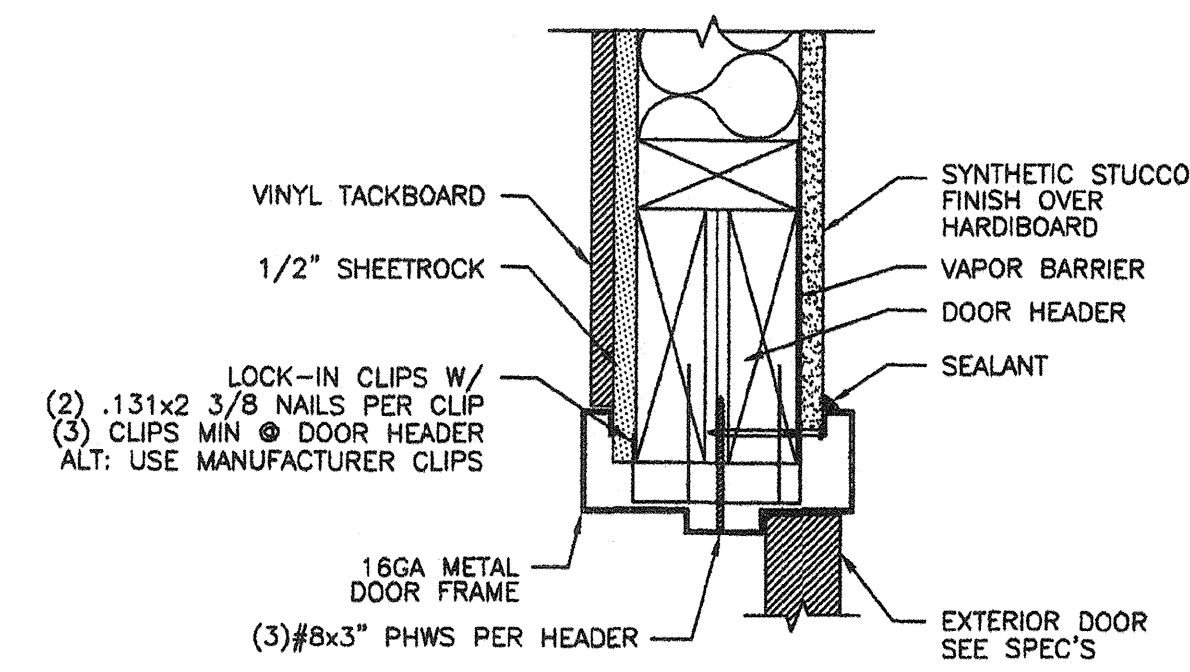
6 TYP INTERIOR DOOR HEADER DETAIL
ASA 3'-1'-0"



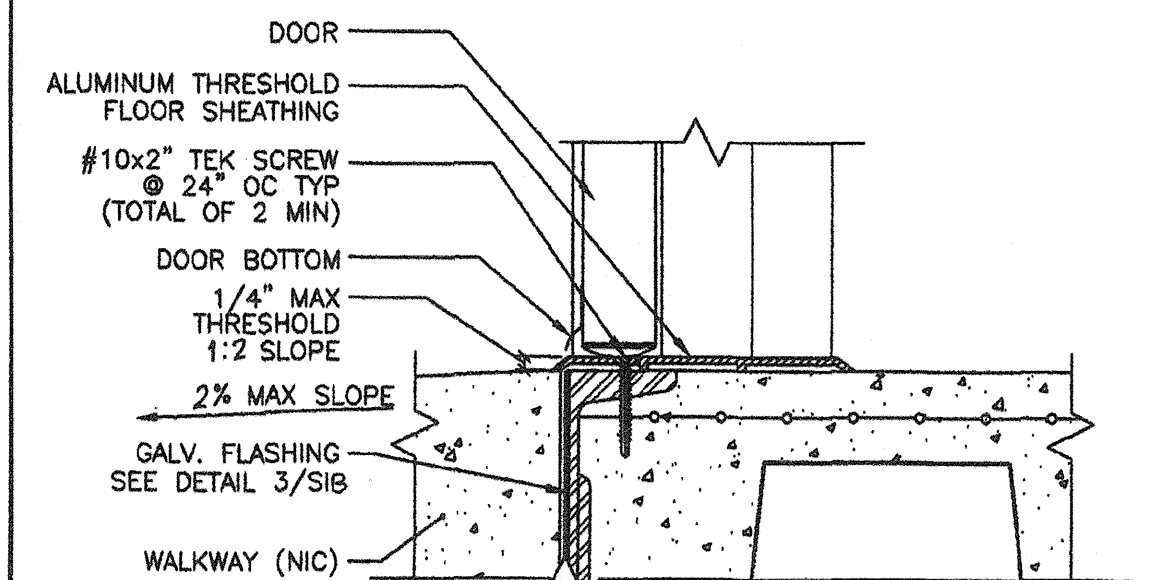
7 FLOORING DETAIL
ASA 3'-1'-0"



8 TYP GUTTER ATTACHMENT DETAIL
ASA 3'-1'-0"



9 TYP DOOR HEADER DETAIL
ASA 3'-1'-0"



10 THRESHOLD DETAIL
ASA 1 1/2'-1'-0"

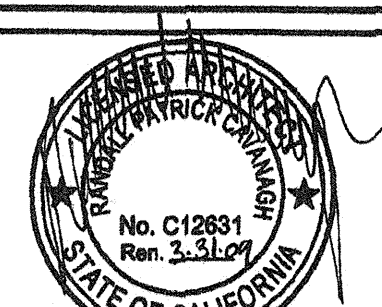
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 2/24/09
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
12'X40' RELOCATABLE BUILDING
ARCHITECTURAL DETAILS (SYNT. STUCCO OPTION)



APPROVALS:

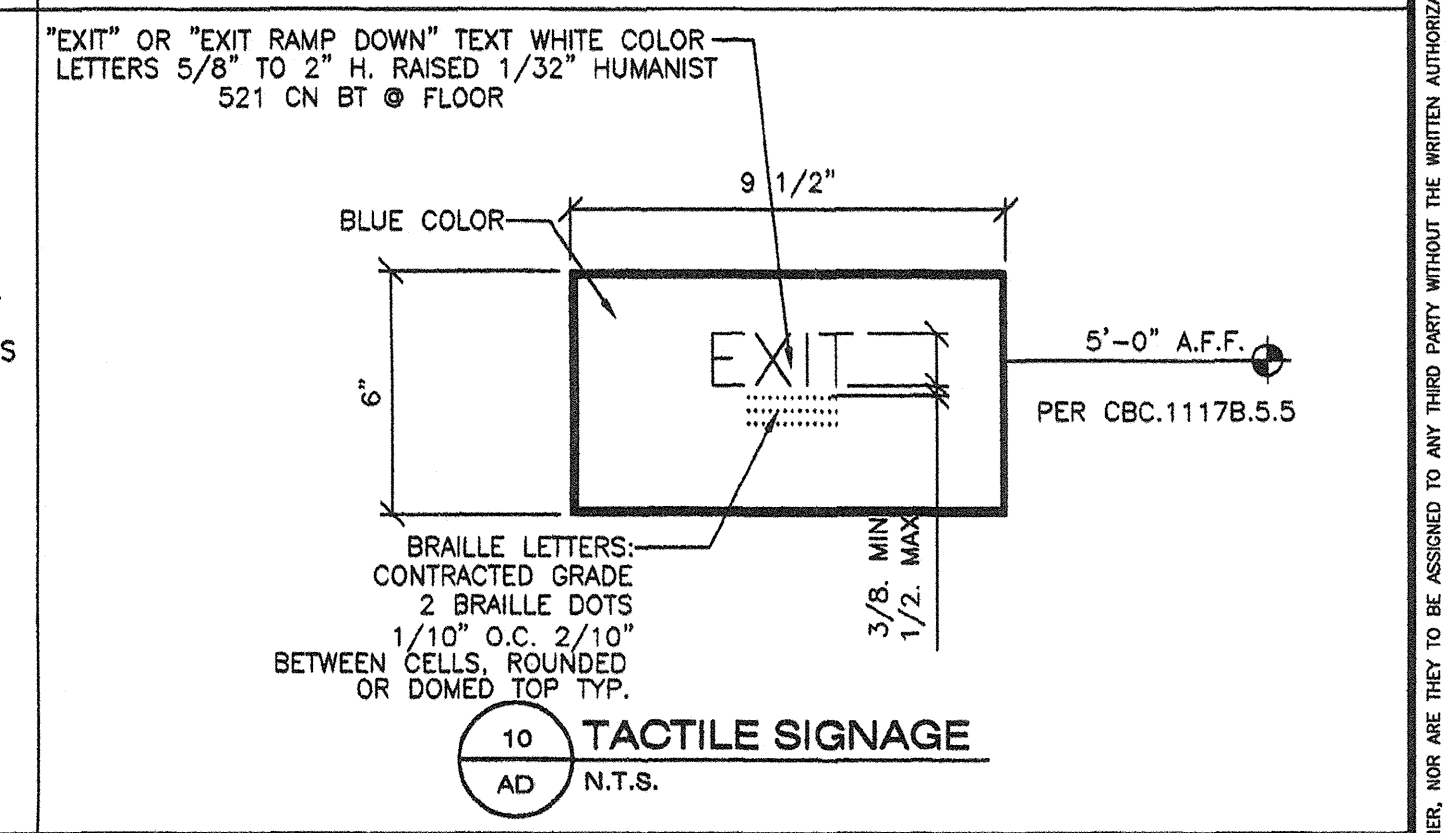
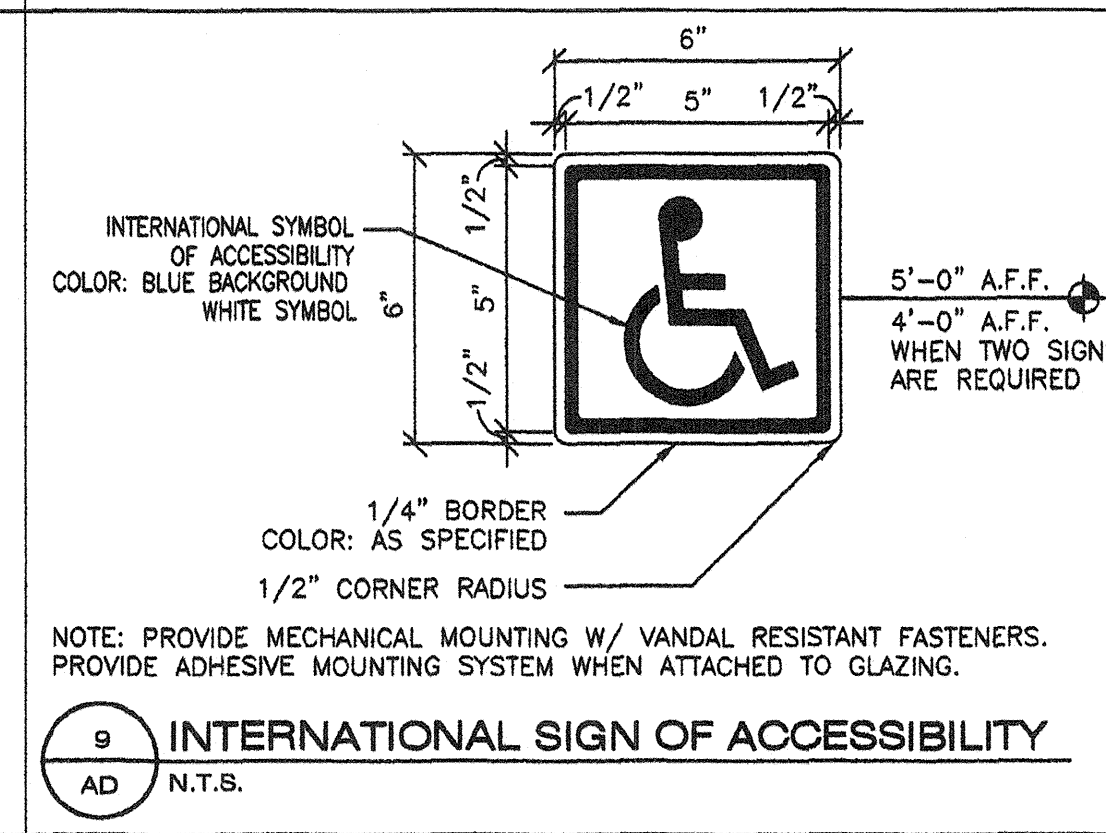
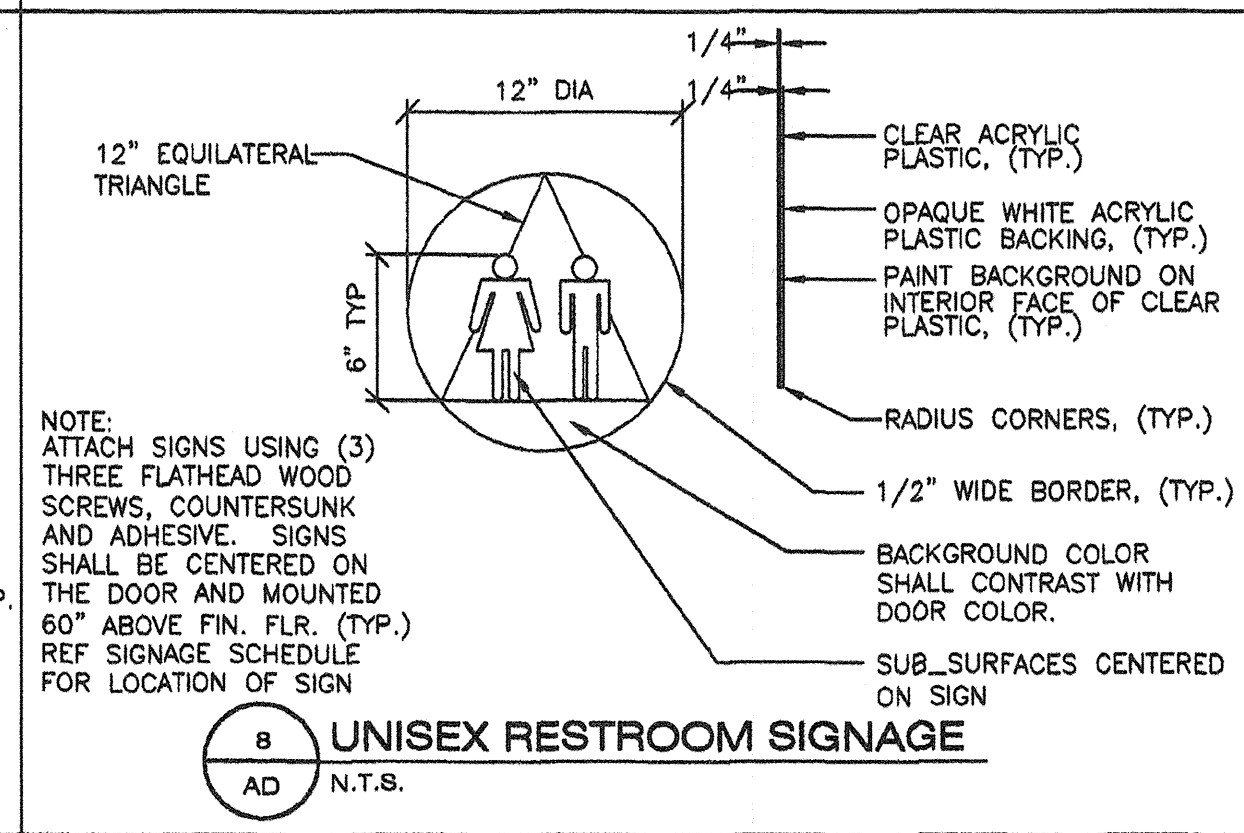
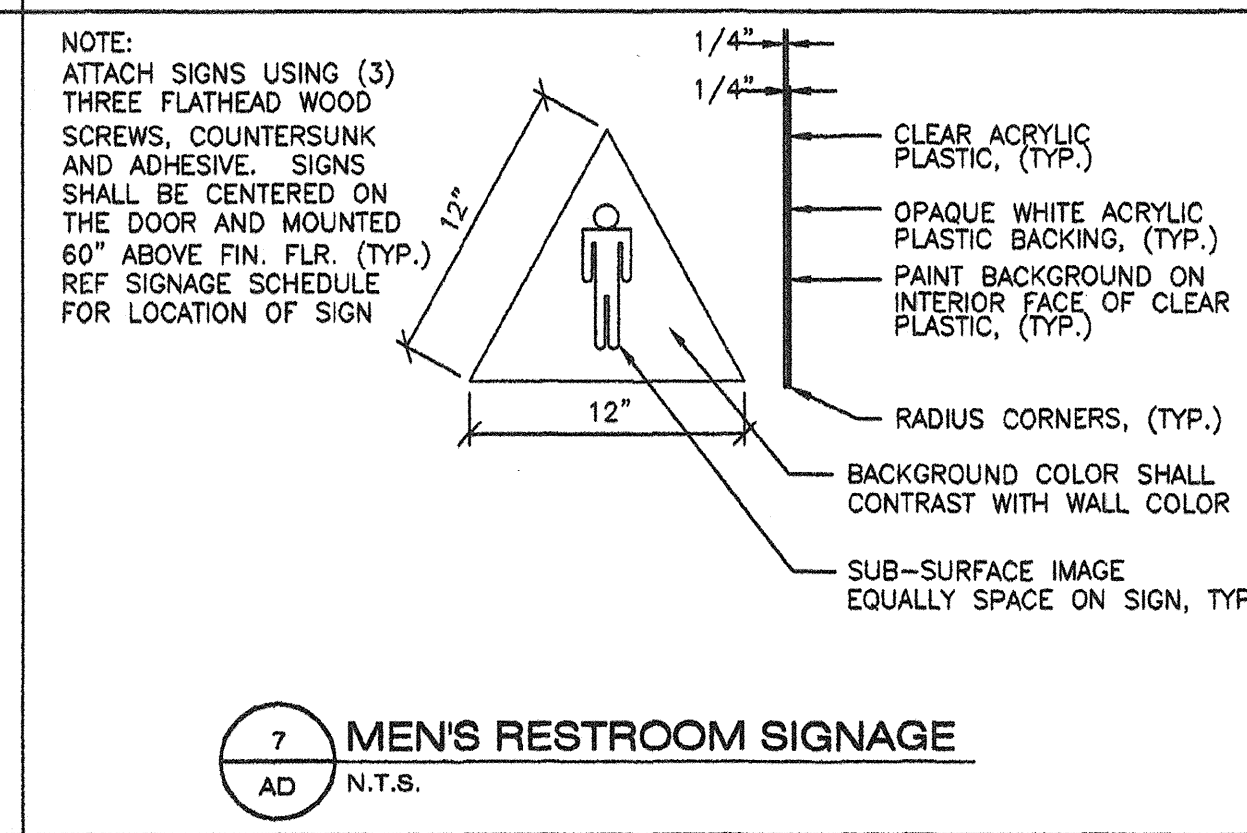
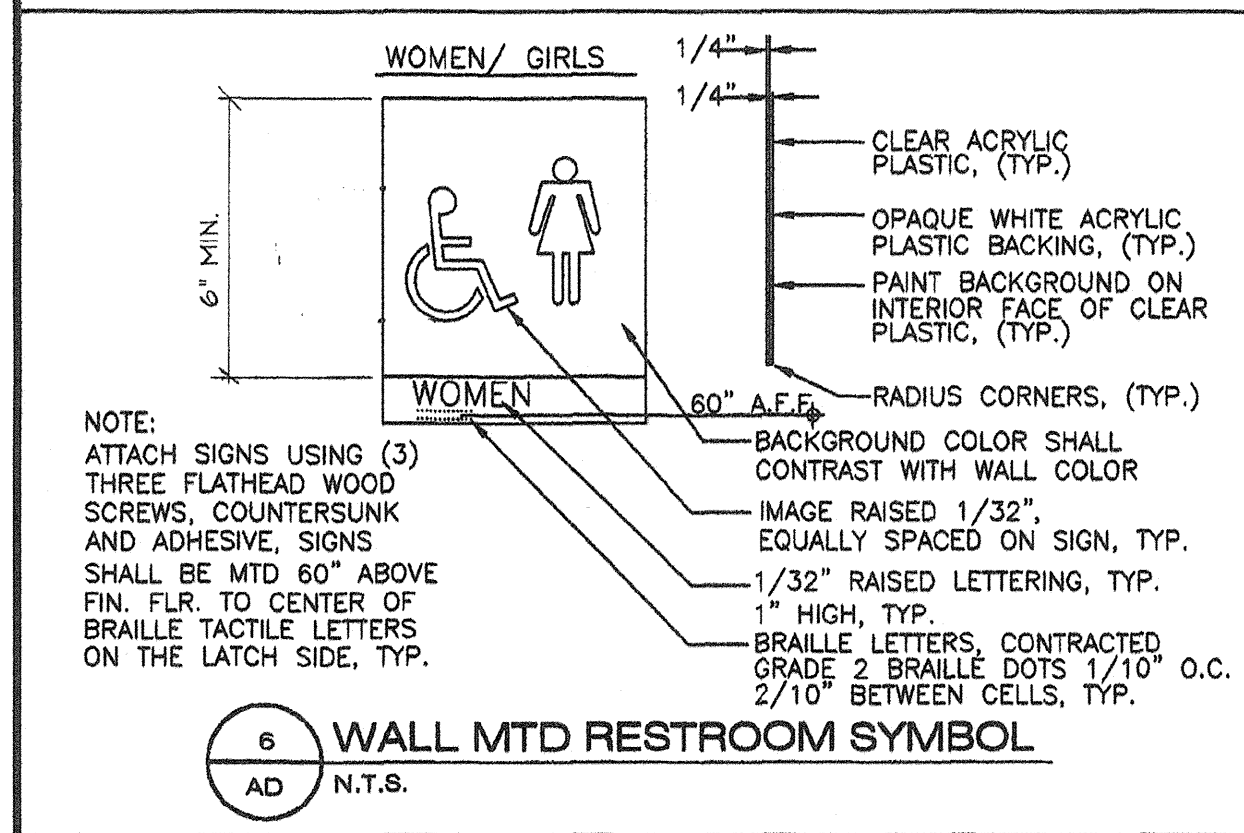
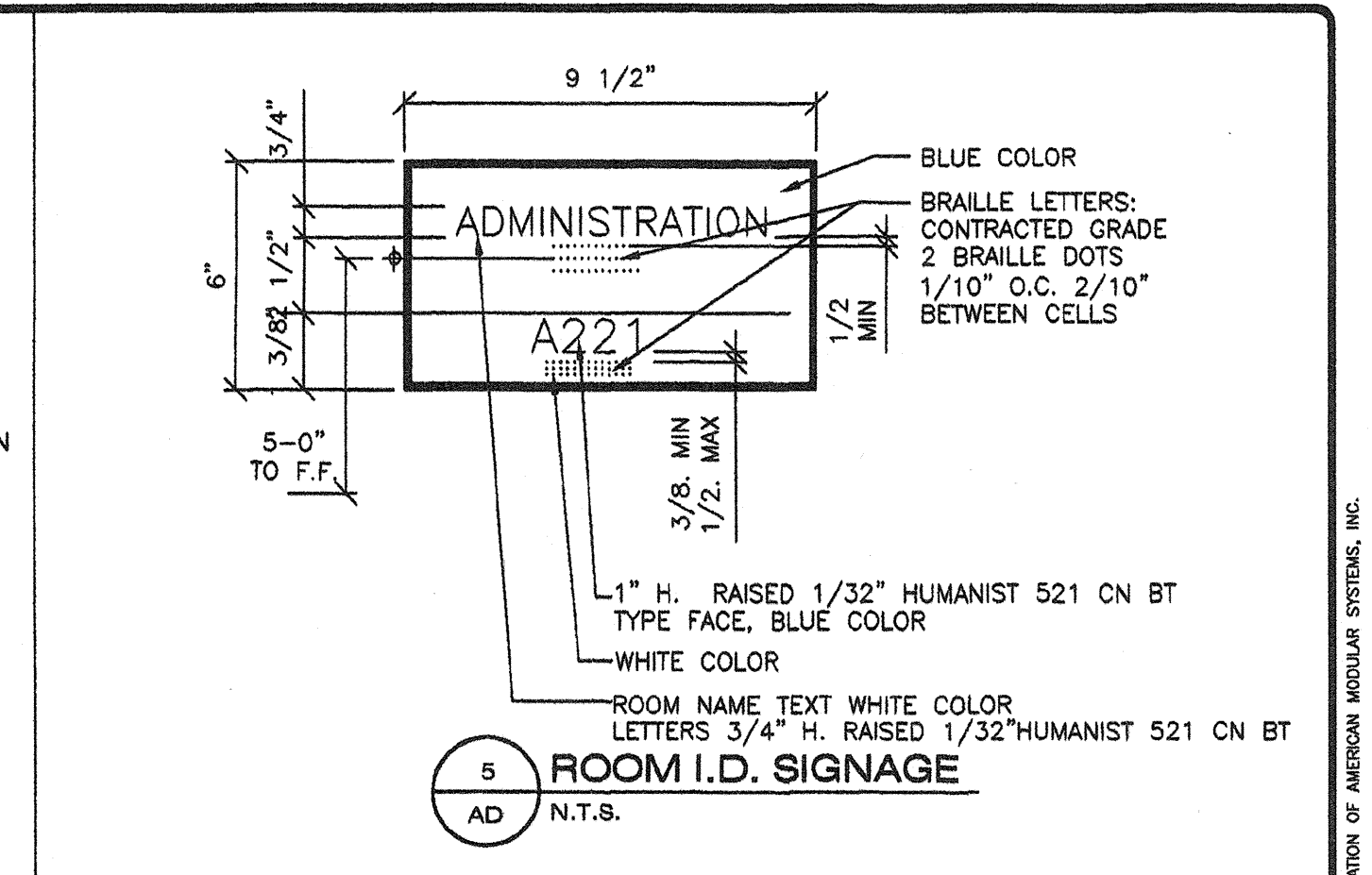
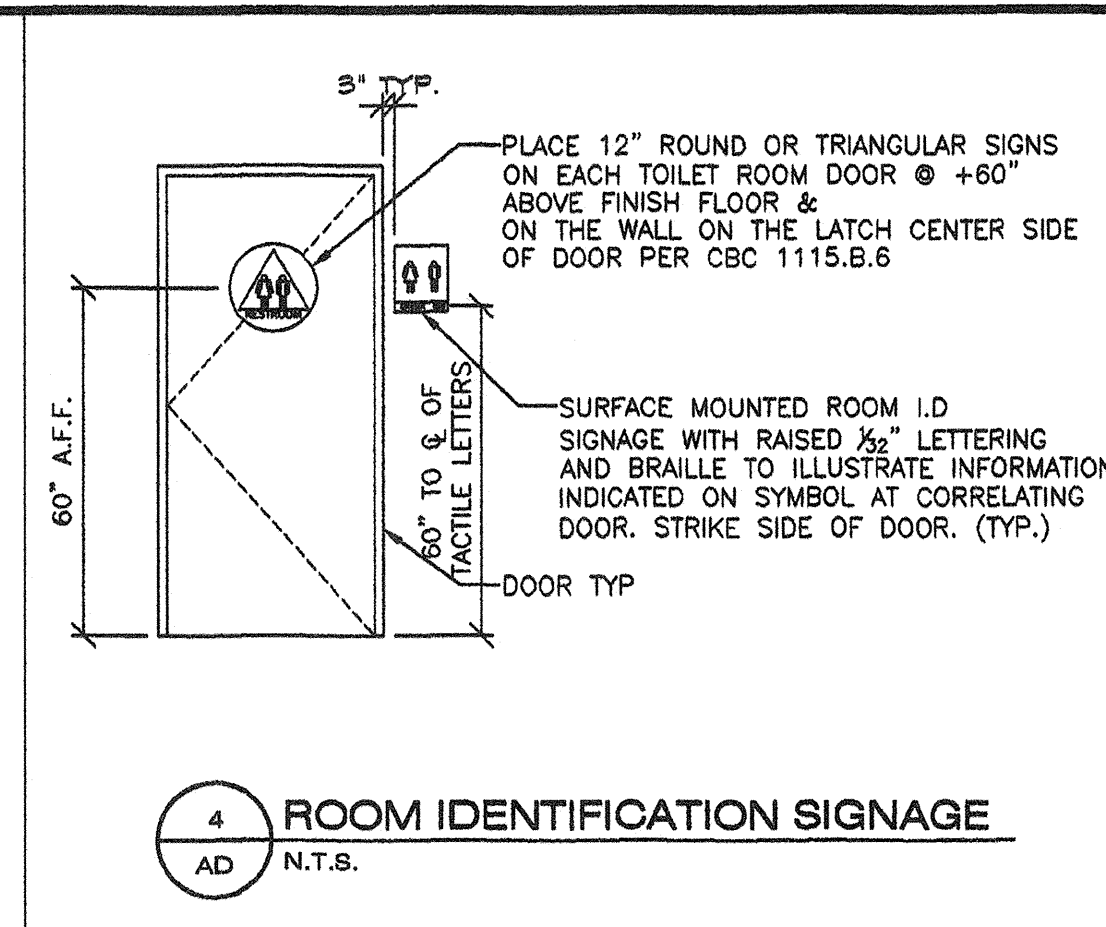
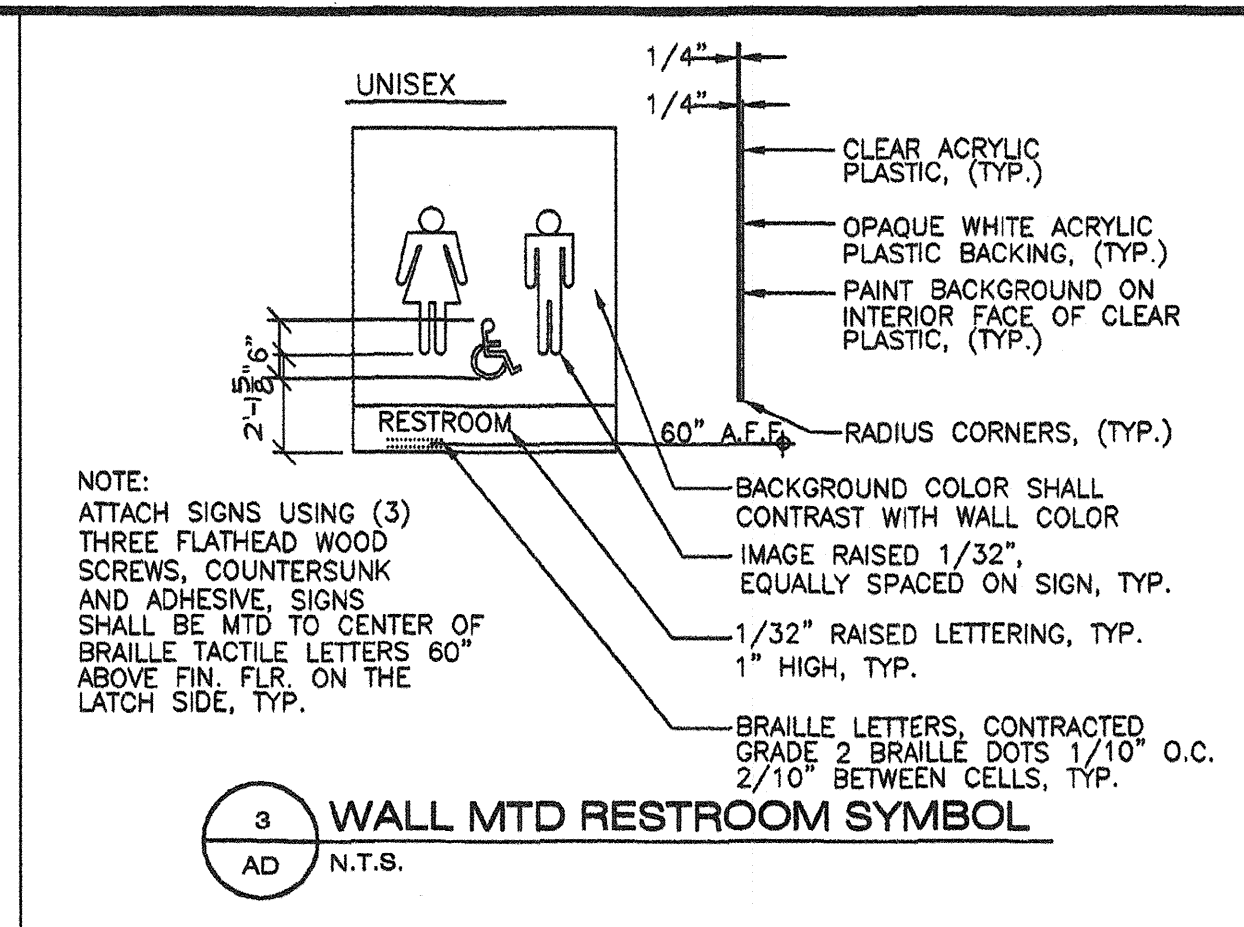
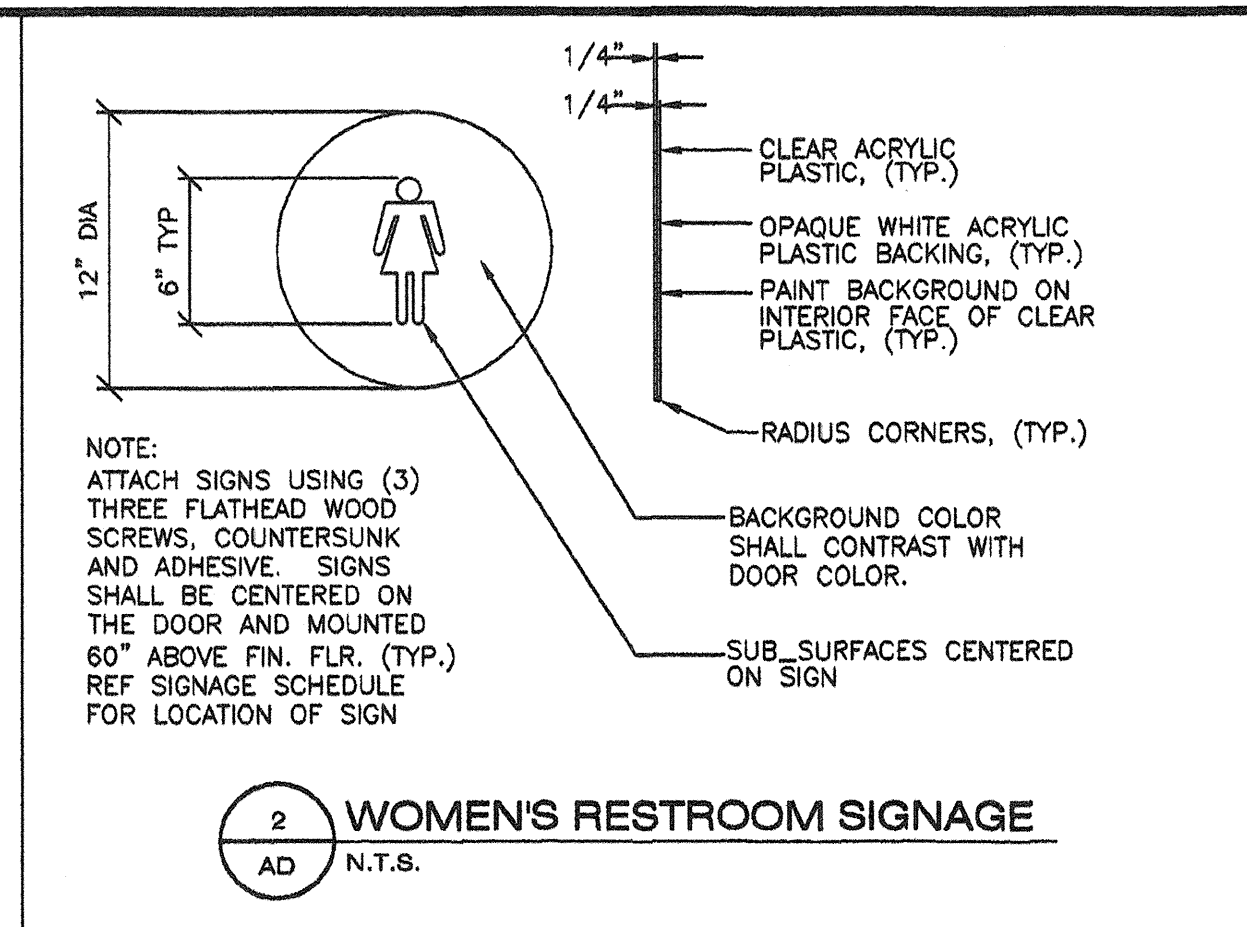
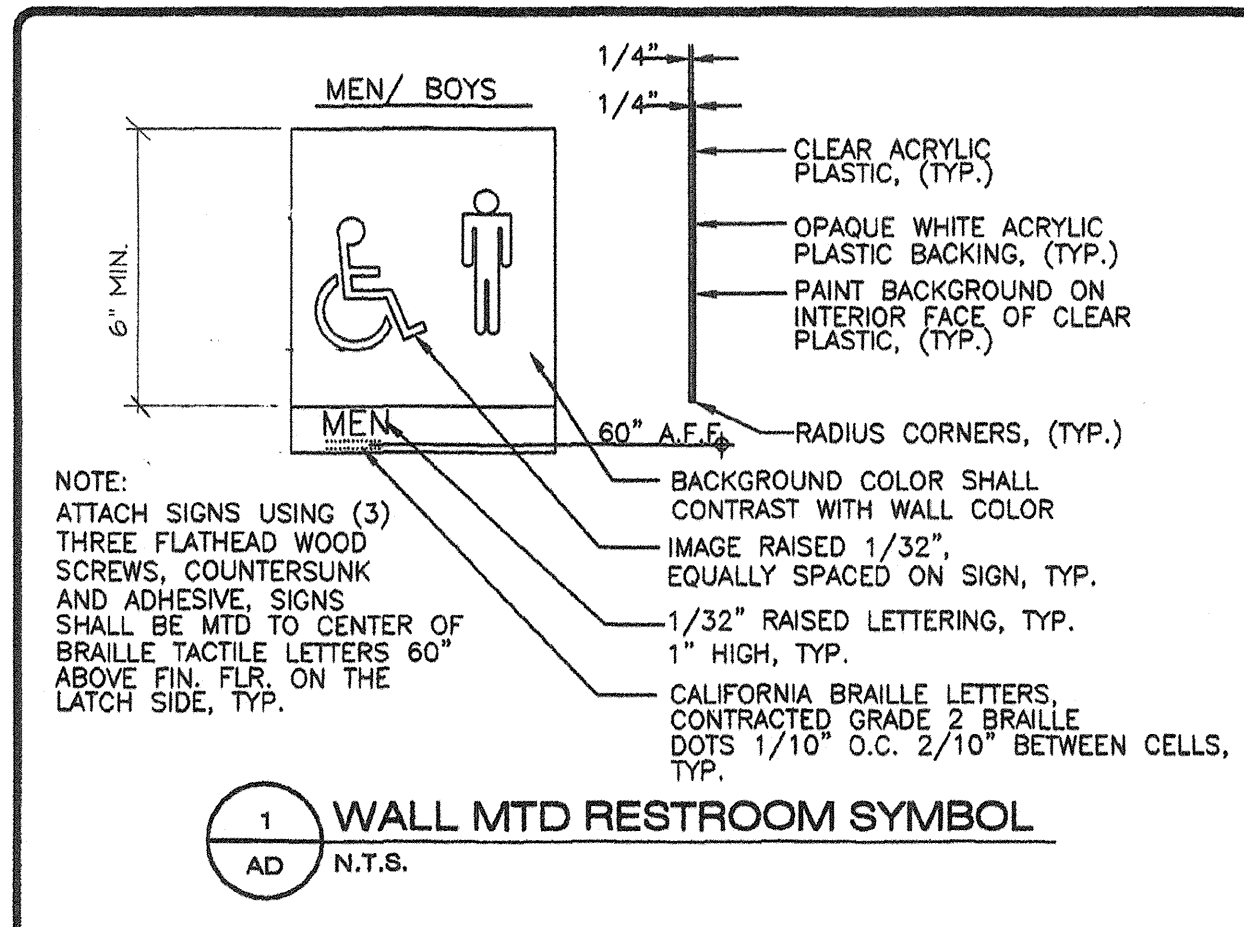


IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03 113549
DATE: 9-6-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109808
DATE: 4/1/09

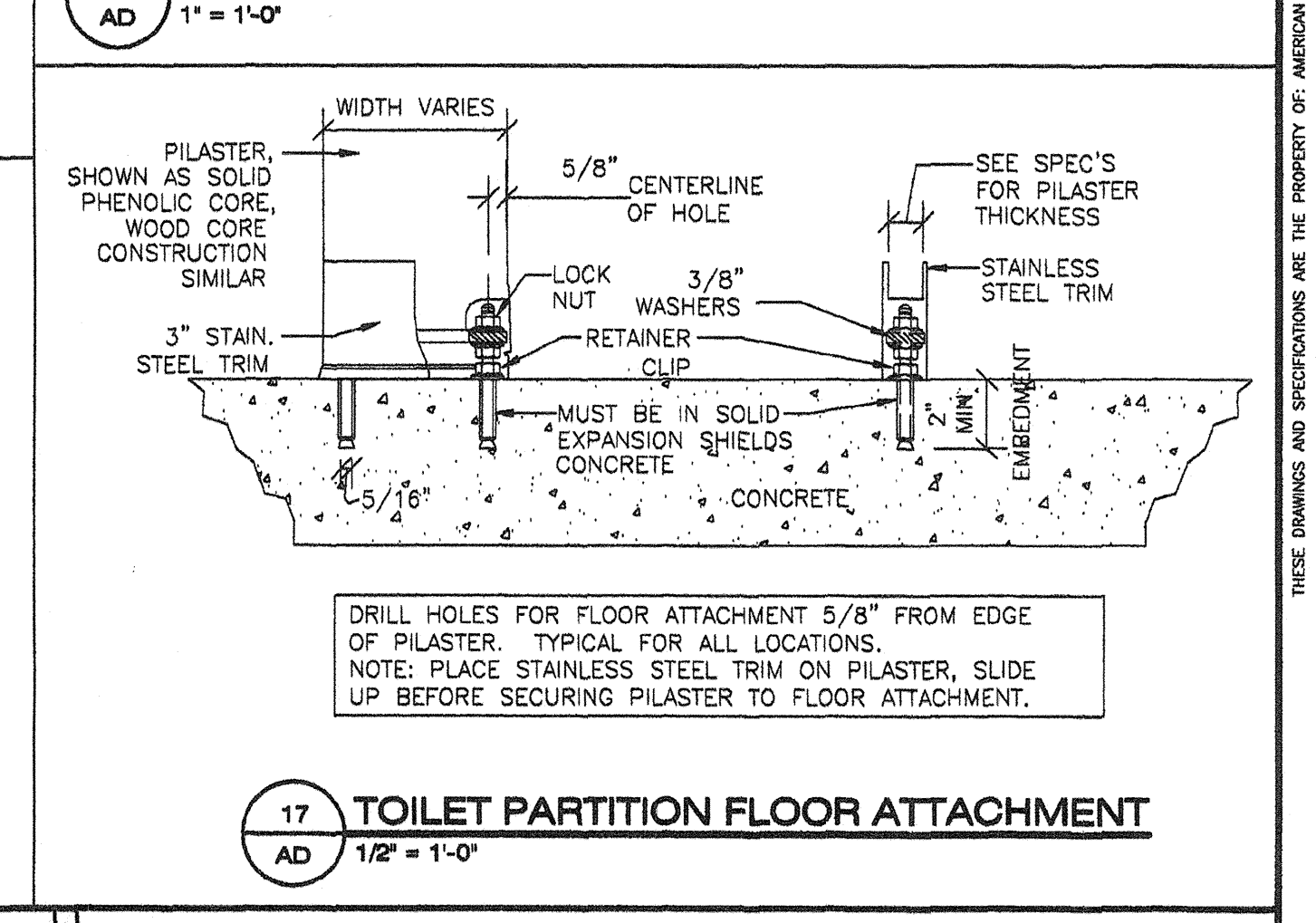
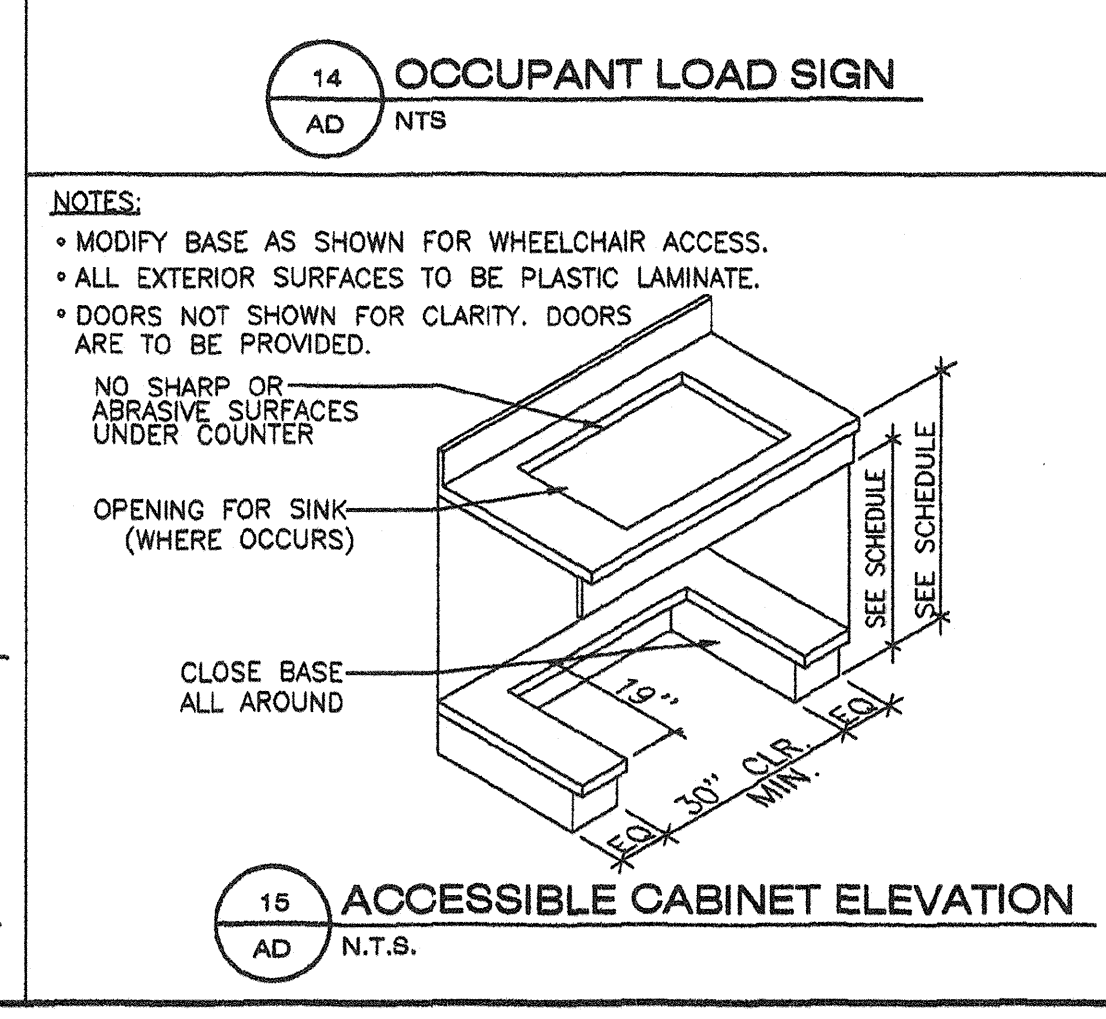
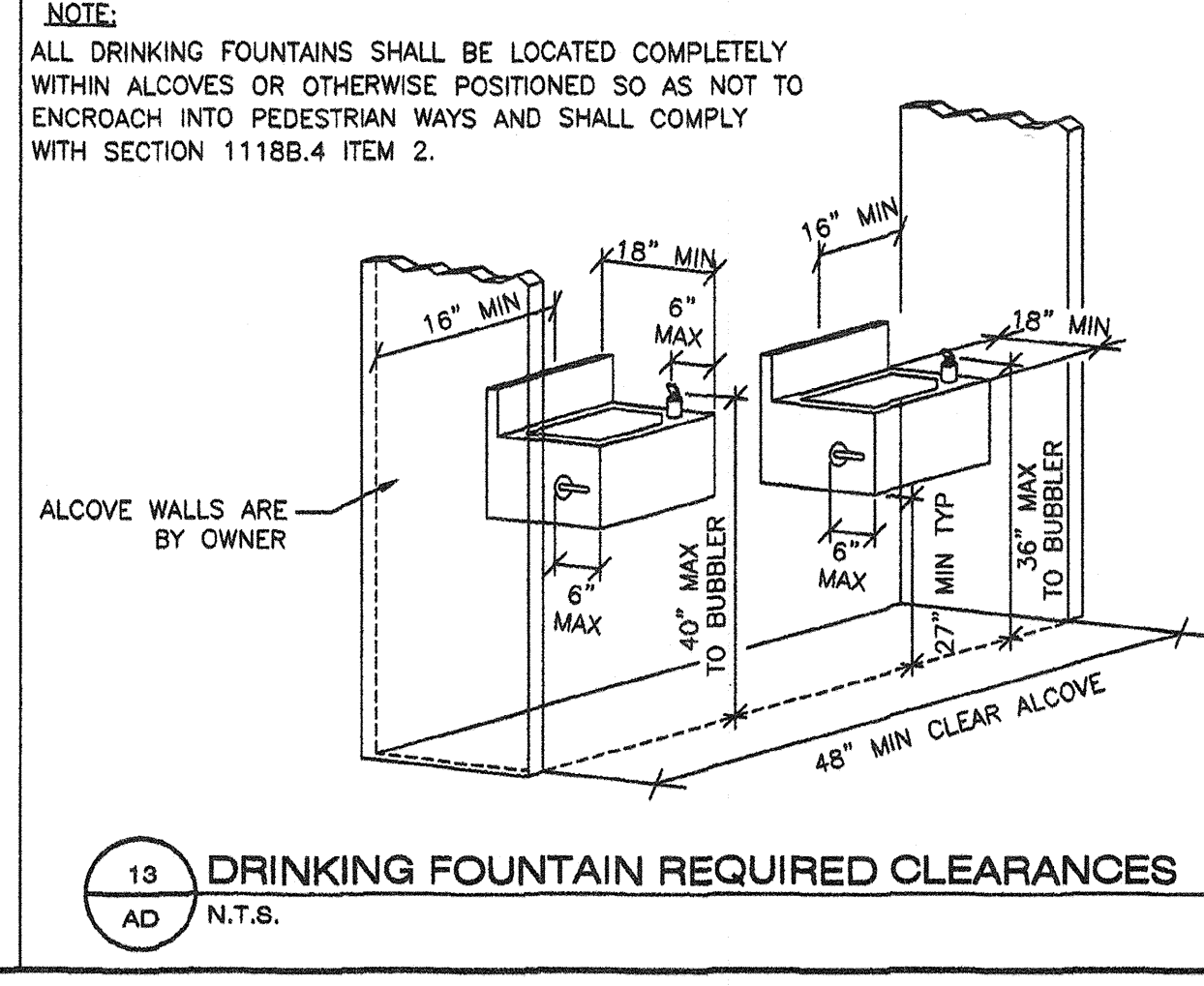
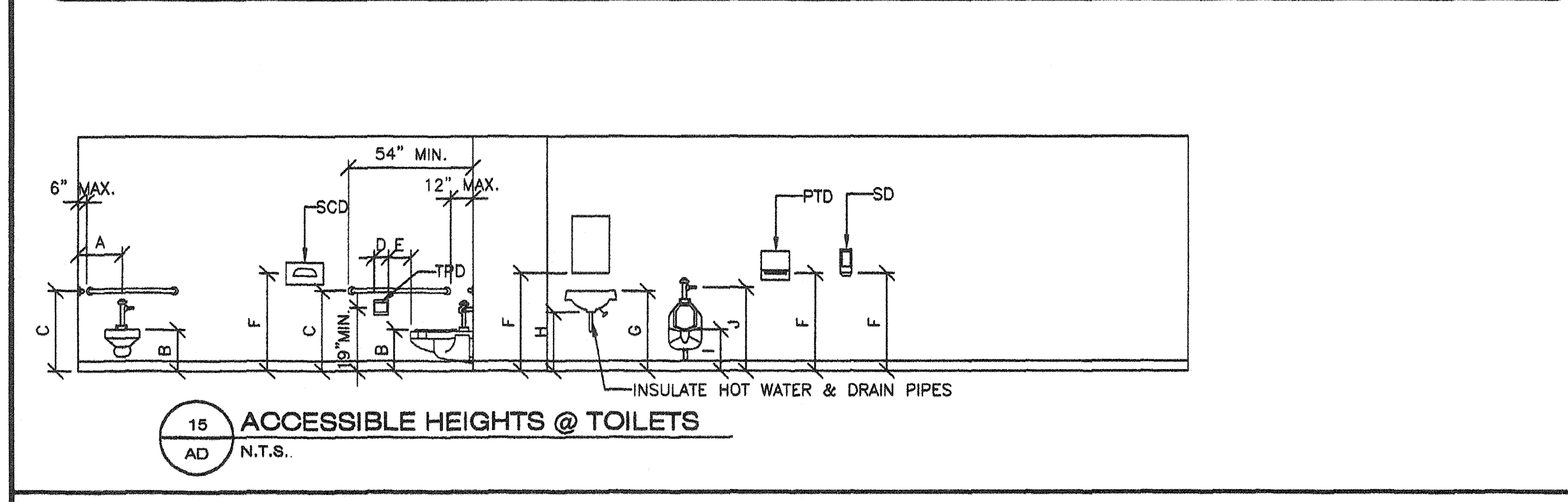
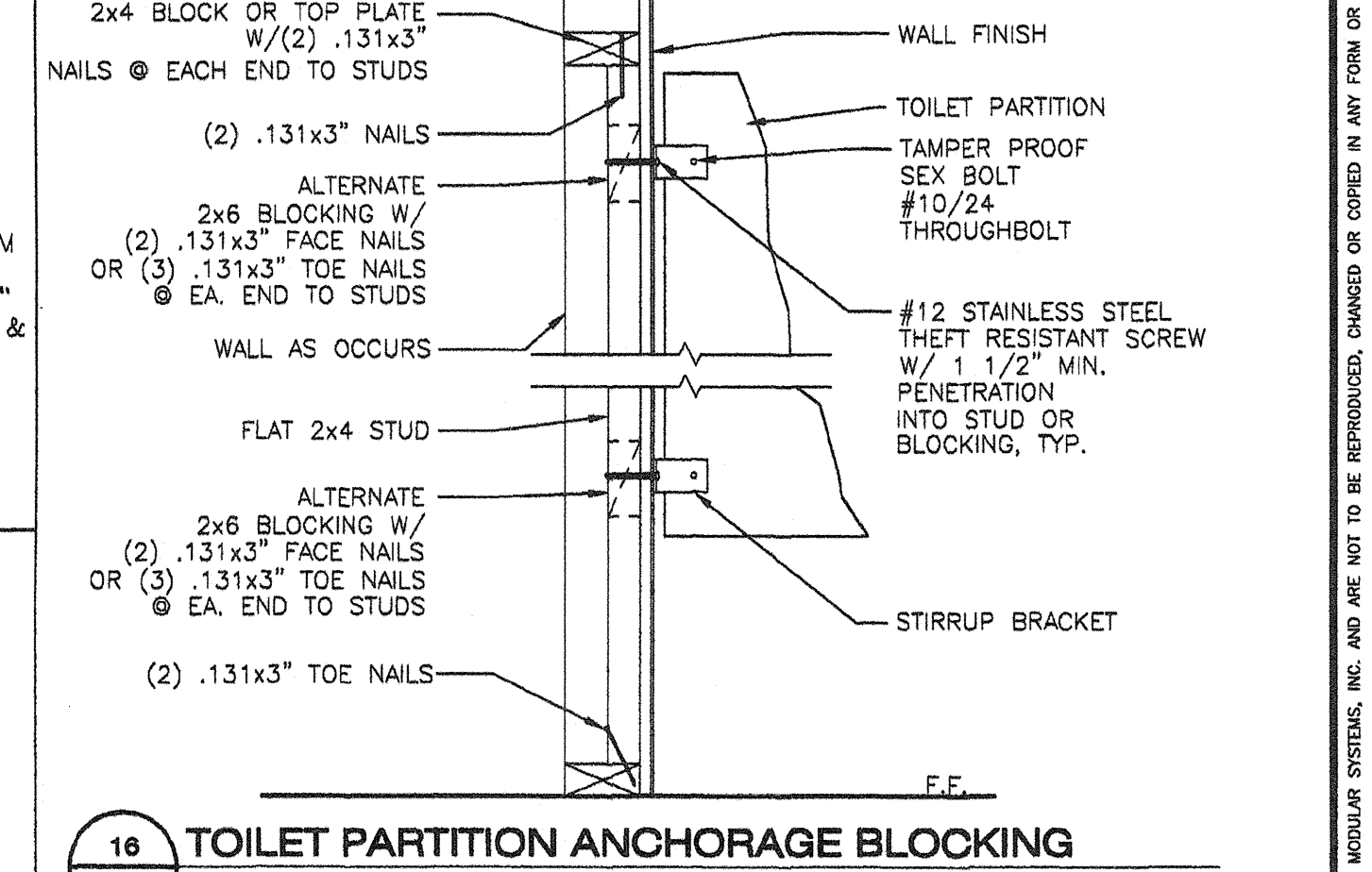
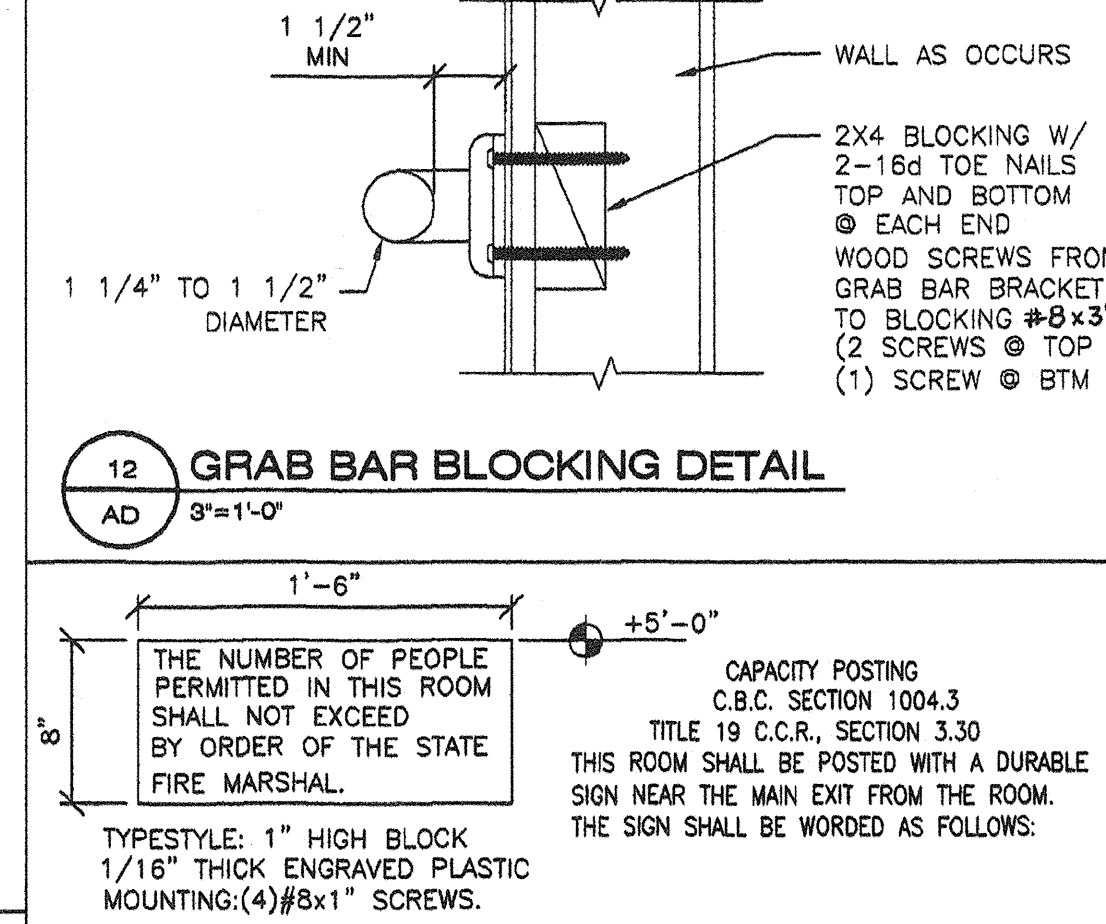
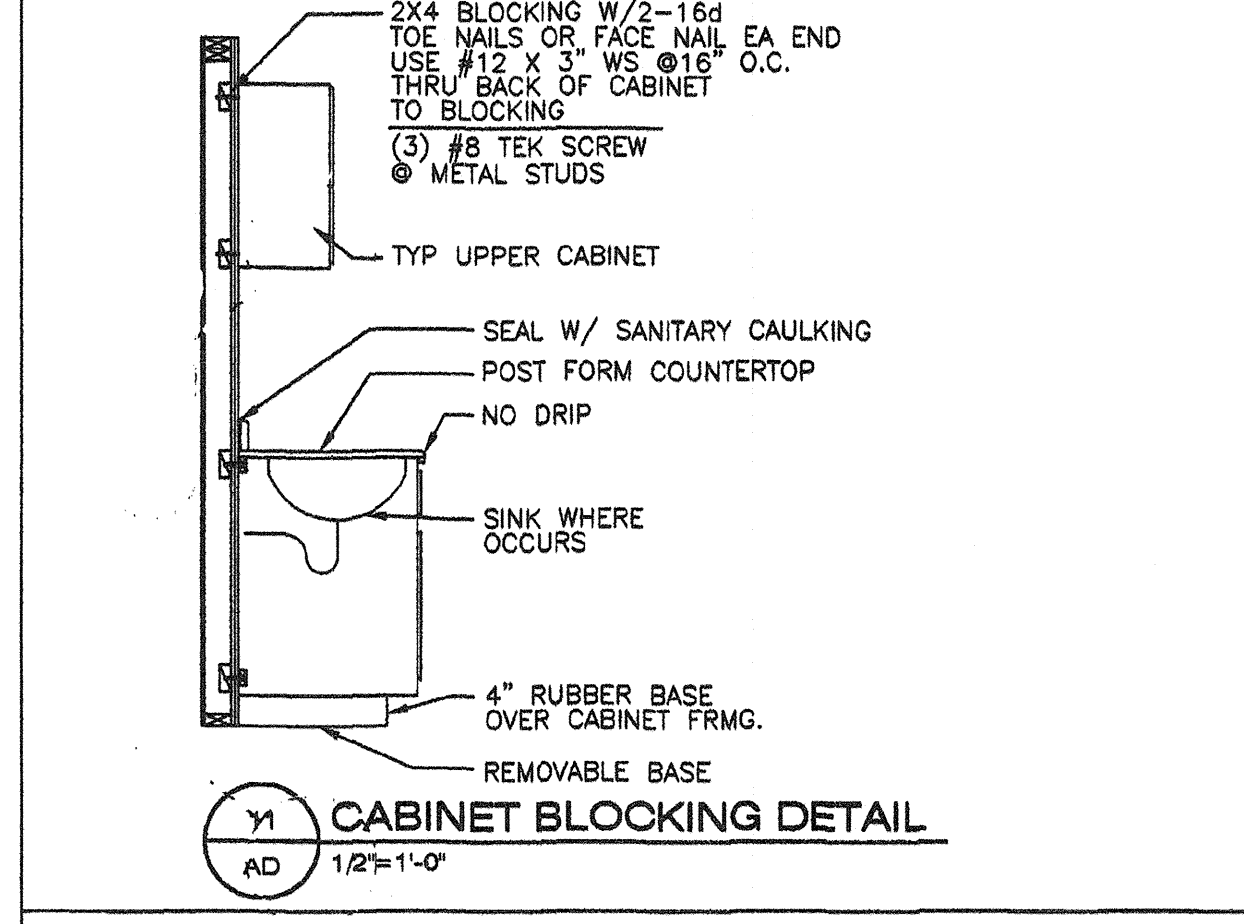
PROJECT No.
A5A-R

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DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES				
FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION	REMARKS
A TOILET CENTERLINE FROM WALL	18"	15"	12"	FLUSH VALVE TO WIDE SIDE OF STALL TYP
B TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"	
C GRAB BAR HEIGHT	33"	27"	20"-22" ABOVE SEAT *	36" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP) (ALLOWED @ 36" A.F.F. @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
D TOILET PAPER DISPENSER IN FRONT OF TOILET (TPD)	12" MAX.	6" MAX.	6" MAX. **	12" IN FRONT OF TOILET ROLL PAPER HOLDER WITHOUT STOPS 24" IN FRONT OF TOILET (BY OWNER)
E NAPKIN DISPOSAL IN FRONT OF TOILET (SND)	12" MAX.	12" MAX.	N/A	
F DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.	
G LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.	WRAP DRAIN WATER IF HOT WATER OCCURS
H LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	19" MIN.	
I URINAL LIP HEIGHT	17" MAX.	15" MAX.	13" MAX.	
J URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX.	32" MAX.	
K DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX.	30" MAX.	
L DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.	
M RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"	

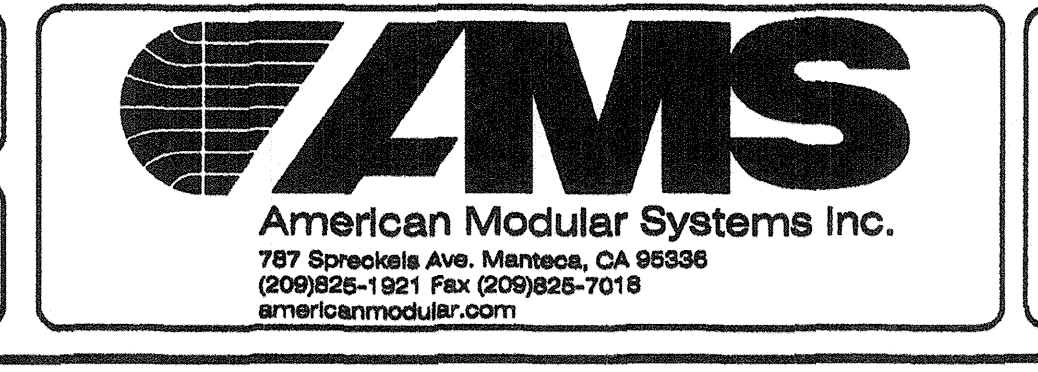
* = ABOVE SEAT
 ** = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP
 NOTE: 1. ALL ITEMS ON THIS SCHEDULE DO NOT NECESSARILY OCCUR IN THE PROJECT
 2. HEIGHTS NOTED ON INTERIOR ELEVATIONS SHALL GOVERN OVER THOSE SHOWN HERE.
 SCD = SEAT COVER DISPENSER TPD = TOILET PAPER DISPENSER
 PTD = PAPER TOWEL DISPENSER SND = SANITARY NAPKIN DISPOSAL (WHERE APPLICABLE)
 SD = SOAP DISPENSER (ALL TOILET ACCESSORIES ARE N.I.C.)
 THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION



REVISIONS	
NO	DESCRIPTION

DATE: 2/24/09
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:
 12'X40' RELOCATABLE BUILDING ACCESSIBLE DETAILS



APPROVALS:

PROJECT No. AD-R

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
 19549
 DATE: 9-2-2010

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
 PC 02-109808
 DATE: 4/7/09

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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 2007 C.B.C. 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. 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 OR 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. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
5. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
6. 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.
7. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
8. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
9. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
10. 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.
11. 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.
12. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

- 1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF FOR WOOD FOUNDATIONS, 1500 P.S.F. FOR CON CRETE FOUNDATIONS EMBEDDED 12" MIN BELOW GRADE.
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.
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.
D. 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.

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 1704A.3.1 WELDING ELECTRODES SHALL BE E70XX. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURERS CERTIFICATIONS PER SECTION 2211A2.3 CBC 2007.
1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36
2. PIPE COLUMNS SHALL CONFORM 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 BOLT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
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.
G. TESTS
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER 7-24 PART 2, CCR SECTION 2212A.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. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
A. JOISTS, PLATES, STUDS-DOUGLAS 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. H.F. 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 2304.11.2 EACH PIECE SHALL BEAR AWPB STAMP. AWPB STANDARD U1 & T1 GROUND CONTACT, D.F.#2 ABOVE GROUND.
E. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC 2007 17-1 FOR KRAFT, 32-1 FOR FELT.
F. STUDS - S4S DOUG FIR #2, OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
G. FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.9.1.1 COMMON NAILS FOR EXT. SIDING & FNDN. ONLY. BUILDING TRIM - 2X RESAWN SELECT D.F., H.F. OR CEDAR
H. DOOR/WINDOW TRIM - 1X4 RESAWN D.F., H.F., OR CEDAR.
K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
M. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 717
N. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
O. 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 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.
B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.9.1
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. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.

- E. 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.
F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL. JOINTS LAPPED MIN 8" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7 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 PARTS ARD 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 85 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
A. ROOFING - 1 1/4" INCH STANDING SEAM MIN 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
B. ALTERNATE: ROOFING - 3 INCH STANDING SEAM MIN 20-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
C. 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 CALUK, 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 8 CONCRETE

- 1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-05
2. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE A FOLLOW:
SLABS ON GRADE & FOUNDATIONS 2500 PSI (150 PCF) CONCRETE OVER METAL DECK 2500 PSI (110 PCF) OR (150 PCF)
3. REINFORCING SHALL CONFORM TO ASTM A615--GRADE 40 UN.
4. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UN ON DRAWINGS: CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)2" CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS.....2" SLABS (ON GROUND).....POSITION IN CENTER OF SLAB
5. ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UN.
6. NOTIFY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

SECTION 8A EXTERIOR PLASTER

- LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER. PER 2507.1
LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN TABLE 2507.2 AND CHAPTER 35 AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7. PER 2507.2
GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2506.1 AND 2511.1, AND CHAPTER 35 PER 2508.1
1. GENERAL NOTES
PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5

- A. THE FIRST COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT.
B. THE SECOND COAT SHALL BE BROUGHT OUT TO PROPER THICKNESS, RODDED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
C. THE FINISH COATS SHALL BE APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926 THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

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 - INSULATED 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, 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 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 KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS Y24W20 289-N QD-60-XX 1240-XXX B54W2102 GE2-NXX
B. FOR INTERIOR TRIM
REF. BRAND DUNN KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS W450-XX 1650-XXX A26W11 40XX
C. FOR METAL
REF. BRAND DUNN KELLY SHERWIN SINCLAIR EDWARDS MOORE WILLIAMS 43-4 1710 B50N26 15N 10-XX 1700-XXX B54W2102 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-SLIP (0.8 MIN. C.O.F.) 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 PUBLIS 8010-91G-98A DATED JULY 1989. OR EQUAL.
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.

SECTION 15A AIR CONDITIONING

- 1. SCOPE OF WORK (SEE SHEET M3 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.
A. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYTEM AND NOTIFICATION PER NFPA 72
2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC 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).

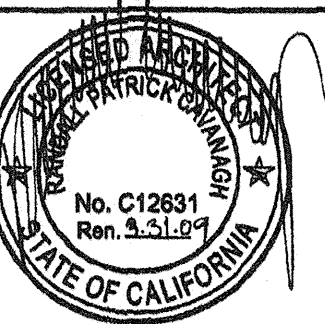
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DATE: 2/24/09
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
12'X40' RELOCATABLE BUILDING
GENERAL NOTES



APPROVALS:
[Signature area for approvals]



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03 118 549
DATE: 9-2-2010

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DATE: 4/1/09

PROJECT No.
N1-R

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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:

UP TO (1) 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 NAME AND BUILDING SERIAL 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 EXTERIOR AND ONE ON 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 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.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 ga. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FLET MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD 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 2-1/8" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4 X 8 PANELS INSTALLED SIDE BY SIDE TO MAKE A 4 X 16 PANEL, CENTERED ON THE LONG WALLS. REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

NOTE:

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

INTERIOR

1. FLOOR: CARPETS - CLASSROOM 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 ARCHITECT AFTER AWARD OF BID. THE CARPET DENSITY SHALL BE 4600 MINIMUM. PILE YARN SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED. PILE HEIGHT 1/2" MAX
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURED BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD(U.O.N.) 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 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 #M-3 INCLUSIVE AS APPLICABLE TO CLASSROOMS.

DOORS & WINDOWS

EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MIN AND REINFORCED WITH 20 GA. MIN. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & CS242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR.

EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LIGHTS OF GLASS AND THE AIR SPACE. GLAZING MATERIAL SHALL BE:

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.
 INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED.
 MINIMUM AIR SPACE SHALL BE 1/4".
 SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OF SILICONE SECONDARY SEAL.
 CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
 HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY. SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANSI), 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) EXTERIOR LOCKSET: SCHLAGE ND70PD CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. OR PANIC BARS/PULL HANDLE PANIC BAR TYPE VON DUPRIN 22L (PULL ON EXT.) OR CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. PANIC BARS ARE ONLY REQUIRED WHERE THE OCCUPANT LOAD IS 50 OR MORE.
 - C) CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. MAXIMUM 5 LBS FOR EXTERIOR AND INTERIOR DOORS. THE MAXIMUM EFFORT FOR FIRE DOORS MAY BE INCREASED TO THE MAXIMUM ALLOWED BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS. THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES SHALL BE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
 - 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.
 - D) INTERIOR LOCKSET: SCHLAGE LEVER HANDLE LOCKSET, AS FOLLOWS:

STUDENT TOILETS	S10A PASSAGE LATCH OR EQUAL
OFFICES	S70D CLASSROOM LOCKSET OR EQUAL
CUSTODIAL	S80A LOCKSET OR EQUAL
PUBLIC TOILETS	S40A PRIVACY LATCHSET OR EQUAL

FIRE EXTINGUISHER

1. EACH PORTABLE CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. TO BE MOUNTED ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE MOUNTING BRACKET AND THE BOTTOM OF FE MOUNTED 27" AFF. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR) SEC. 1103B.1 BUILDING ACCESSIBILITY, GENERAL. THE 2007 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. TABLE 1115B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE. THE 2007 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK. SECTION 1115B.3.1 ACCESSIBLE WATER CLOSET COMPARTMENT. THE 2007 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES. SECTION 1115B.4.4.4. WATER CONTROLS. THE 2007 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL). SECTION 1117B.5 SIGNS AND IDENTIFICATION (ALSO REFER TO SECTIONS 1115B.6, 1116B, 1007.6.5 1007.7, 1008.1.8.6, 1011.3, 1020.1.5 & 1020.1.6.1-5. THE 2007 CBC MAKES SEVERAL GENERAL DESIGN CHANGES AND CLARIFICATIONS TO SIGNAGE, *ALL GROUND FLOOR EXIT DOOR SHALL HAVE TACTILE EXIT SIGNAGE. *AT STAIRS, EACH FLOOR SHALL RECEIVE TACTILE "STAIR LEVEL" SIGNAGE IN ADDITION TO SPECIAL TACTILE AT THE EXIT DISCHARGE LEVEL. *EACH EXIT DOOR THAT LEADS TO A GRADE LEVEL EXIT BY MEANS OF A STAIRWAY SHALL HAVE TACTILE EXIT SIGNAGE. *EACH EXIT ACCESS DOOR TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN SHALL BE IDENTIFIED BY TACTILE EXIT SIGNAGE. SECTION 1129B ACCESSIBLE PARKING REQUIRED. THE 2001 CBC REQUIRES THE WORDS "NO PARKING", IN 12" HEIGHT WHITE LETTERS, TO BE PAINTED ON THE PAVEMENT WITHIN ALL PARKING SPACE ACCESS AISLES. VAN PARKING ACCESS AISLES SHALL BE PLACED ON THE PASSENGER SIDE OF THE VEHICLE. RAMP MAY NOT ENCROUGH INTO ANY REQUIRED ACCESS AISLE. PARKING SPACE ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.* *EXISTING SITES: AT EXISTING SITES, ANY RAMP WHICH EXCEEDS A 2% SLOPE ACCESS AISLES FOR ACCESSIBLE PARKING SPACES PER CBCS SECTION 1129B, MAY REQUIRED REMOVAL AND REDESIGN PER THE PATH OF TRAVEL (POV) PROVISIONS OF CBCS SECTION 1134B, IN ORDER TO APPROVE THE BUILDING PLACEMENT. SECTION 1133B.2.5 CLOSER EFFORT TO OPERATE DOORS. THE 2007 CBC REQUIRES THAT THE EFFORT TO OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 5 POUNDS (PULL). THE 2007 CBC REQUIRES THAT THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 3 SECONDS MAXIMUM, BASED ON AN OPEN DOOR POSITION OF 70 DEGREES (FROM CLOSED), TO A DOOR POSITION OF 3" FROM THE LATCH. SECTIONS 1133B.2.4.5 & 1133B.2.5.3 RECESSED DOORS. THE 2007 CBC REQUIRES THAT DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-33 (A). SECTION 1133B.4.2.4 HANDRAIL ORIENTATION. THE 2007 CBC SPECIFICS THAT AT LEAST ONE HANDRAIL SHALL BE PARALLEL TO THE DIRECTION OF THE STAIR RUN, AND PERPENDICULAR TO THE EDGE OF THE STAIR NOSING. SECTION 1133B.5.2 RAMP WIDTH: MINIMUM 48" CLEAR AT OCCUPANT LOAD 300 OR LESS, 60" CLEAR AT OCCUPANT LOAD MORE THAN 300. RADIUS MINIMUM OF 0.125" THE 2001 CBC REQUIRES THAT SIGN EDGES LESS THAN 80" ABOVE THE FINISHED FLOOR MUST CONTAIN ROUNDED OR EASED RADIUS MINIMUM OF 0.125" THE PROJECT PLANS OR SPECIFICATIONS SHALL INDICATE THE REQUIREMENT THAT THE MANUFACTURER SHALL PROVIDE A WRITTEN FIVE-YEAR PRODUCT WARRANTY, IN ACCORDANCE WITH THE BULLETIN.

1. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE 2001 AISI/COS/ANSI.
2. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A 653
3. GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653. PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED AND ORDERED TO BE IN CONFORMANCE WITH ASTM C-955 OTHERWISE, G-40 OR EQUIVALENT COATING WILL BE PROVIDED.

1. SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI " SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION."
2. METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1 AND D1.3 "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES."
3. ASTM REFERENCE NUMBERS: A) ASTM A653, STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS. STRUCTURAL (PHYSICAL) QUALITY.
4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
5. METAL FLOOR DECK TO BE ASC STEEL DECK
 1. B-36, 18 GAUGE
1 1/2" DEEP X 36" WIDE
 2. N-24, 18 GAUGE
3" DEEP X 24" WIDE
6. DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO ASTM A653, Fy=38 KSI WITH A GALVANIZED COATING, G-60 OR G-90.

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 2/24/09
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:
 12'X40' RELOCATABLE BUILDING
 GENERAL NOTES

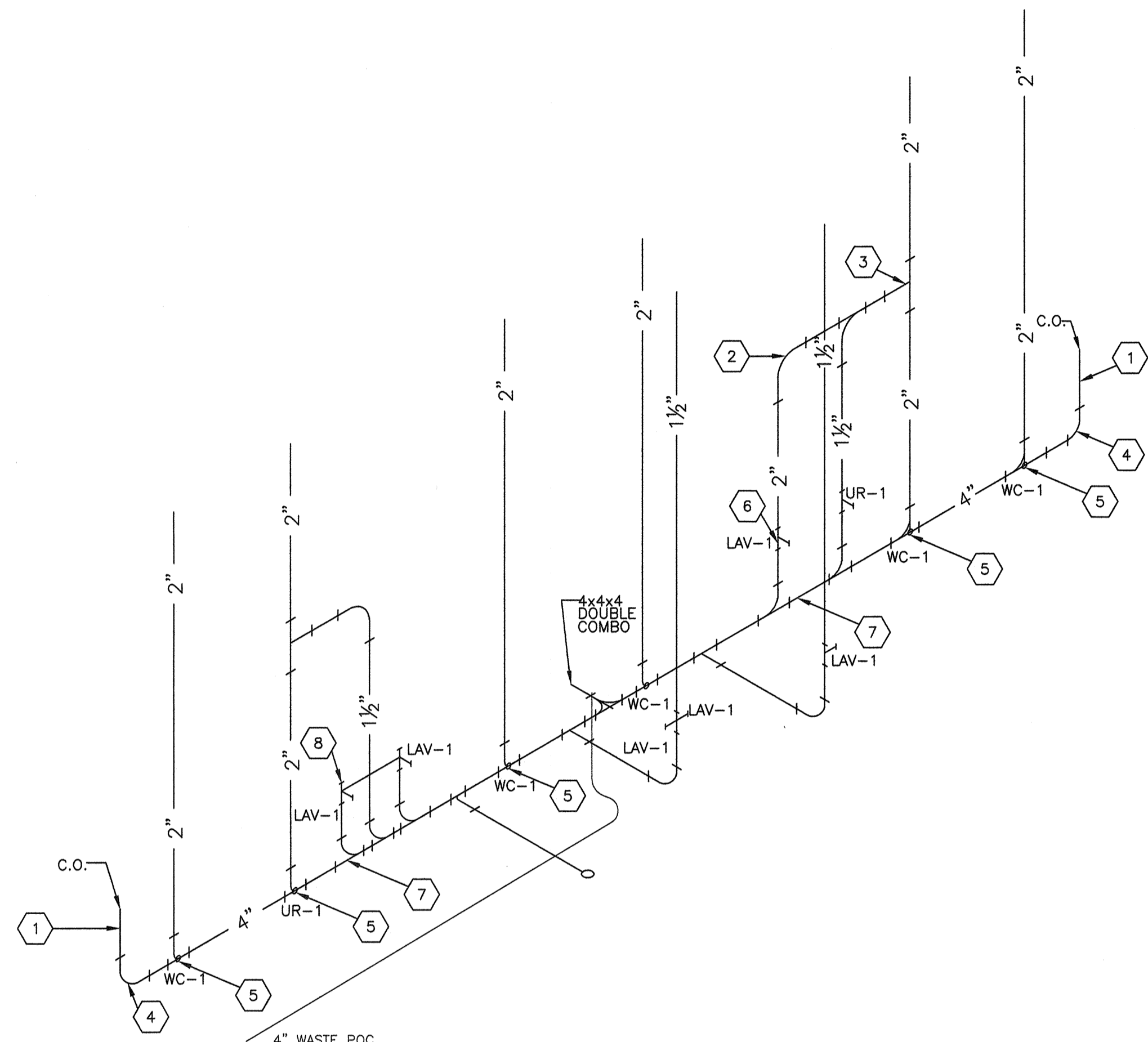


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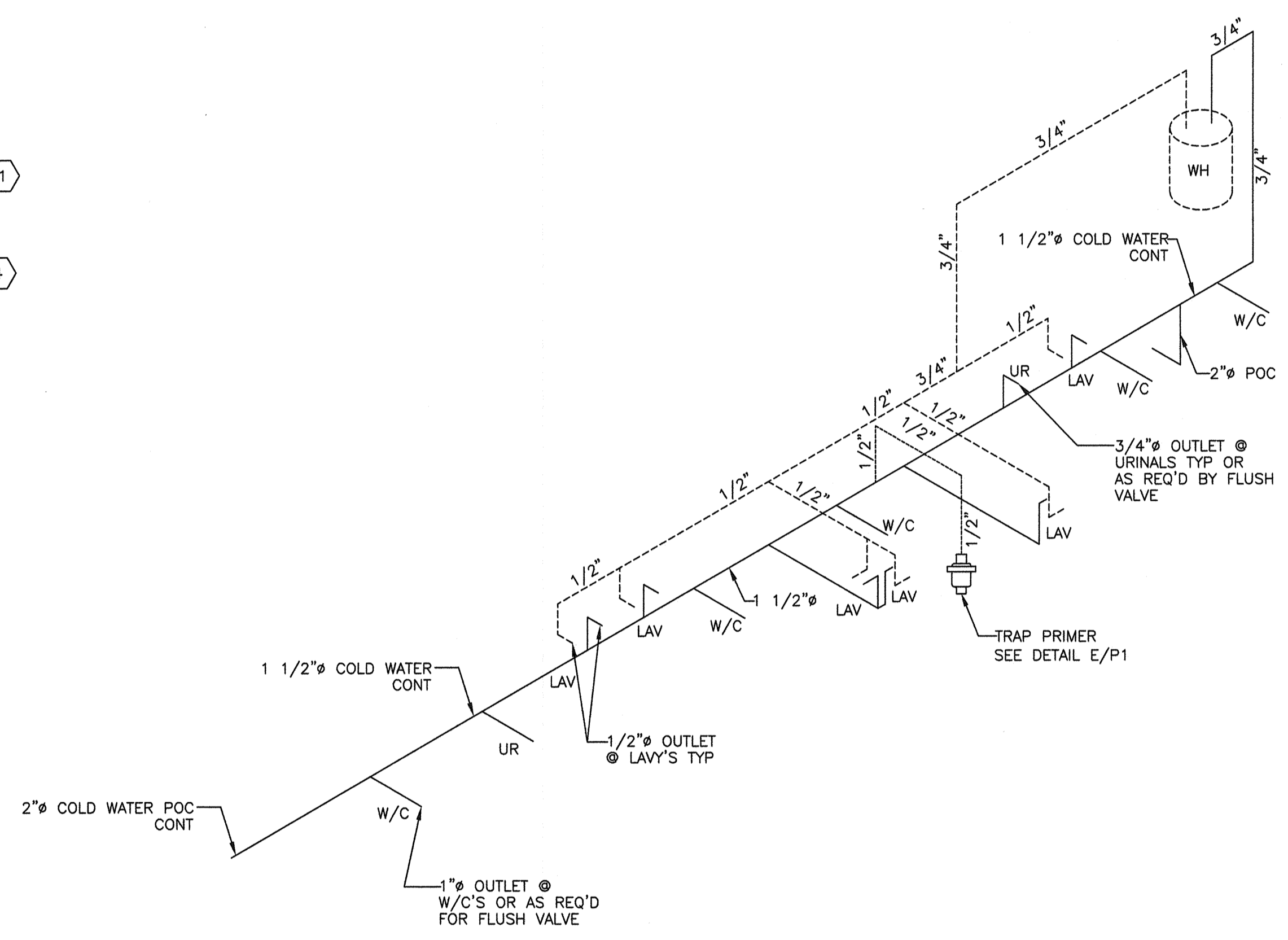
STATE OF CALIFORNIA
 No. C12831
 Rev. 8-29-07
 DATE: 2/1/09
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 02-109808
 DATE: 2/1/09

PROJECT No.
 N2-R

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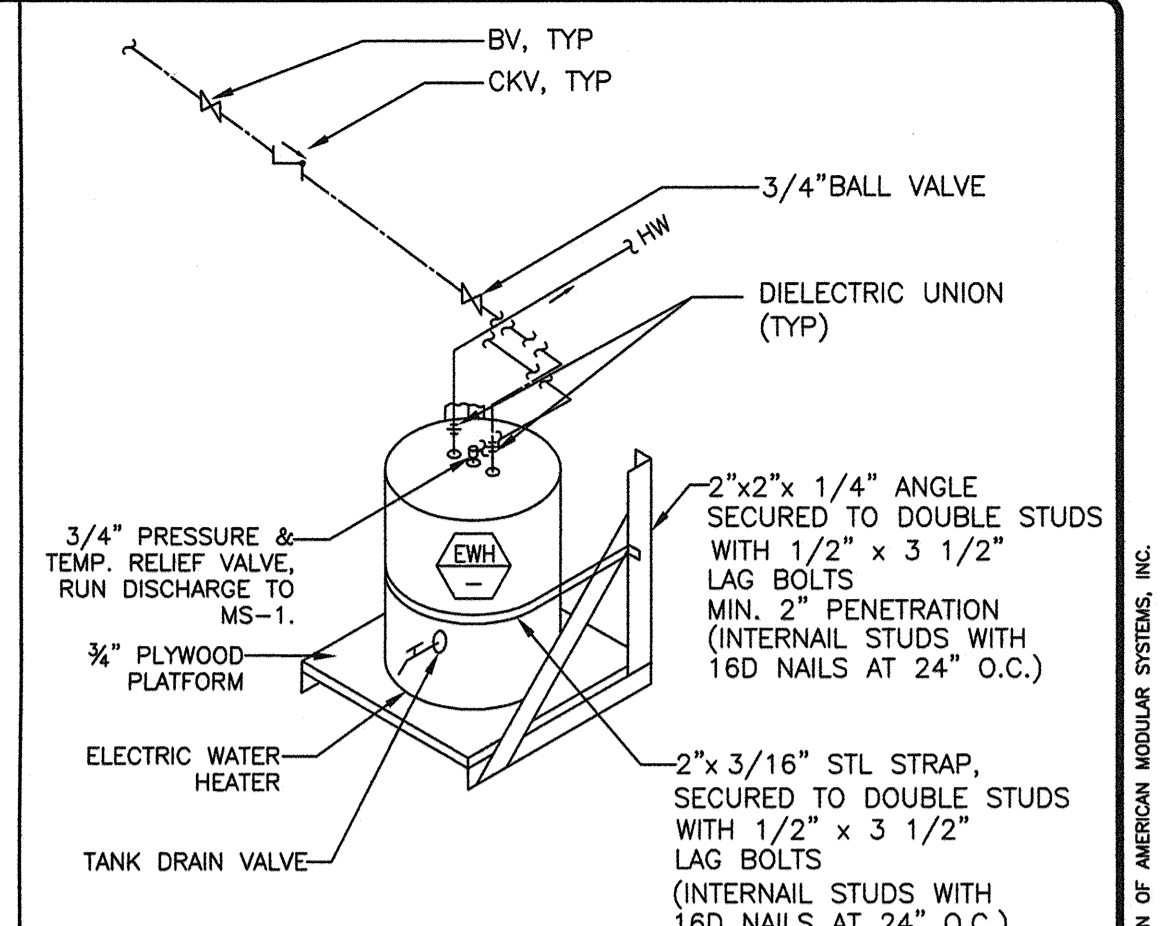
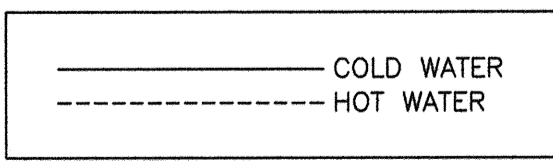


3C WASTE ISOMETRIC
P1 NO SCALE

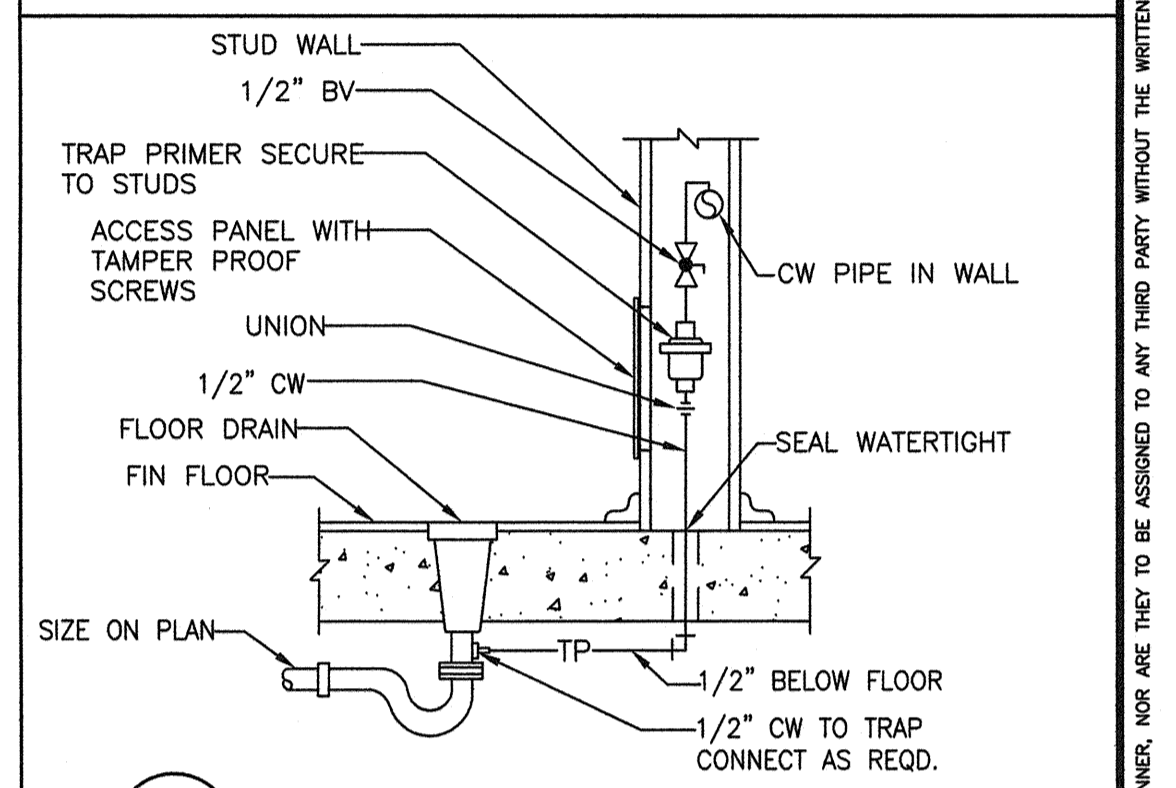


3B WATER SUPPLY ISOMETRIC
P1 NO SCALE

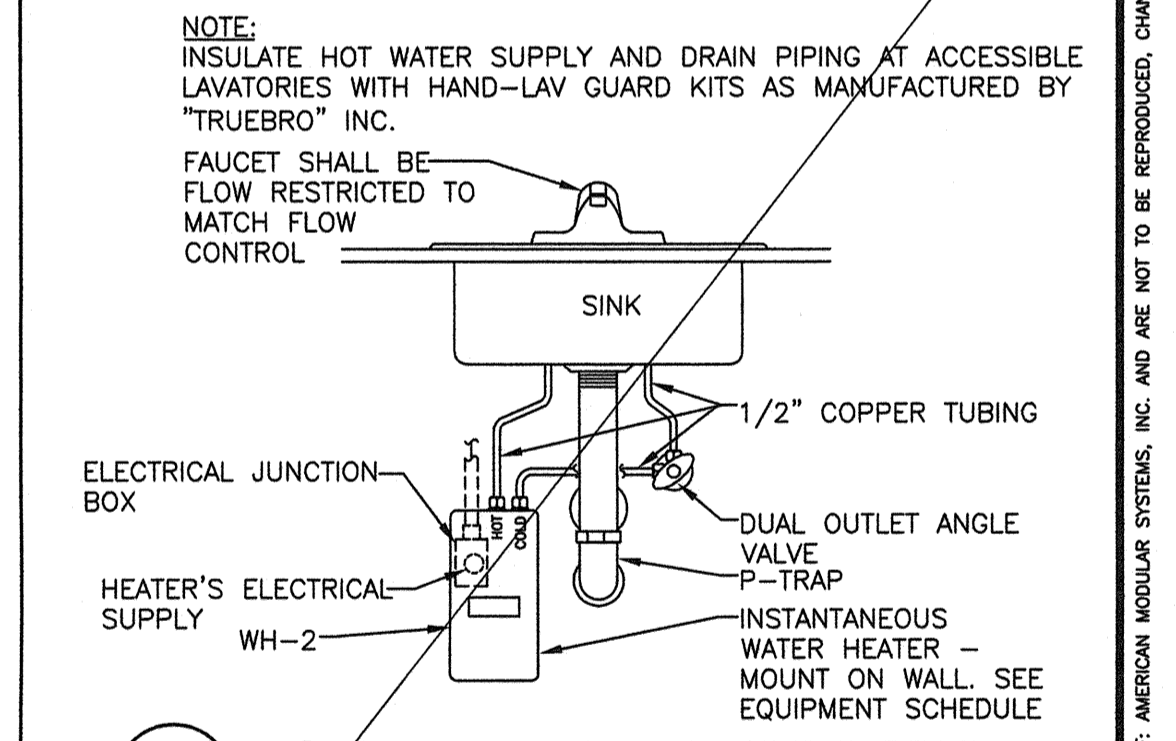
3A RESTROOM OPTION #3
P1 NO SCALE



D WATER HEATER SUPPORT DETAIL
P1 N.T.S.



E TRAP PRIMER DETAIL
P1 N.T.S.



F INSTANT WATER HEATER DETAIL
P1 N.T.S.

SHEET NOTES

- DW PIPING SHALL BE ABS PLASTIC
- COLD WATER SUPPLY SHALL BE TYPE L COPPER
- DW PIPING:
MIN SLOPE 1/4" PER FOOT
MAY SLOPE 4" O.D. @ 1/8" PER FOOT
VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 3 FT. ABOVE ANY WINDOW, DOOR, AIR INTAKE OR VENT SHAFT, NOR LESS THAN 3FT. IN EVERY DIRECTION FROM ANY LOT LINE; ALLEY AND STREET EXCEPTED; EXTEND 6" ABOVE THE ROOF

REVISIONS		
NO	DATE	DESCRIPTION
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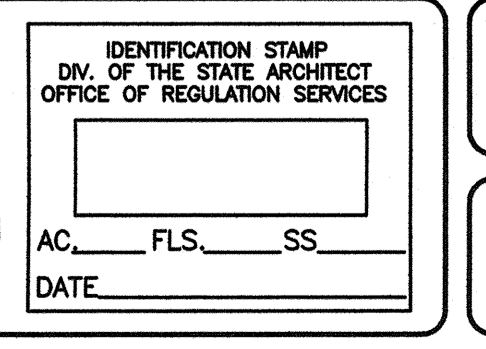
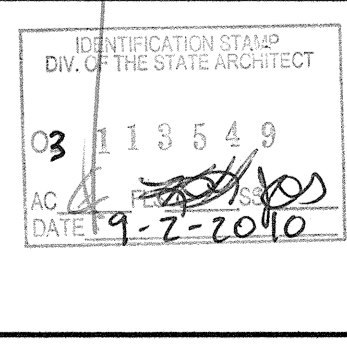
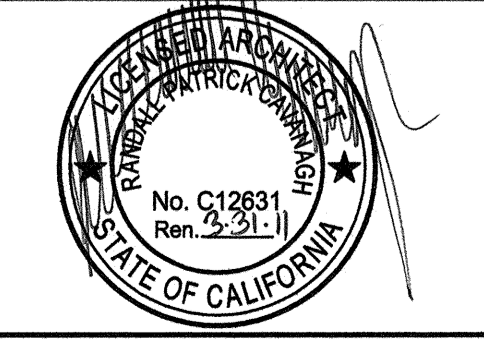
DATE: 08/12/10
SCALE: NOTED
DRAWN BY: MP
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
PIONEER ELEMENTARY SCHOOL

12 x 40 RELOCATABLE BUILDING
ISOMETRIC PLANS & DETAILS

APPROVALS:

BASED ON PC# 02-109808



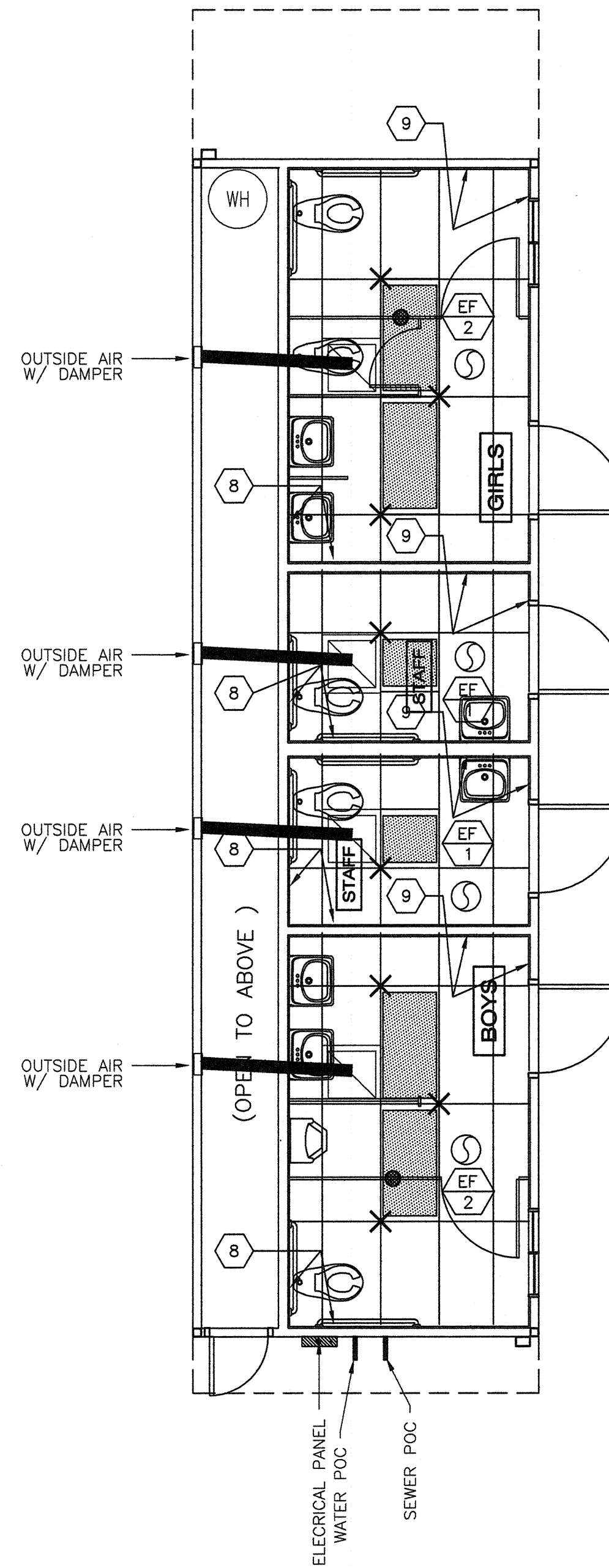
PROJECT No.
P1-R

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EXHAUST FAN						
MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH	
EF 1	EXHAUST FAN	110	1050	.10"	115-1Ø	NUTONE 672 CEILING MOUNTED 180W INPUT
EF 2	EXHAUST FAN	200	1050	.10"	115-1Ø	CEILING MOUNTED 180W INPUT

BUILDING PLUMBING STANDARDS:

- TOILETS SHALL BE KOHLER-KINGSTON #K-4330. FLUSH VALVES FOR TOILETS SHALL BE SLOAN-REGAL FLUSHOMETER #111. MOUNTING BRACKET BY J.R. SMITH. SEATS SHALL BE BEMIS #1955C.
- TOILETS MAY BE ALSO BE AMERICAN STANDARD AFWALL #2257.103. MOUNTING BRACKET BY J.R. SMITH #0600. FLUSH VALVES FOR TOILETS SHALL BE SLOAN-REGAL FLUSHOMETER #111. SEATS SHALL BE BEMIS #1955C.
- LAVATORIES SHALL BE CAST IRON PORCELAIN FINISHED KOHLER-HUDSON #K-2861. STAFF LAVATORIES SHALL BE CHICAGO 3300-CP FAUCETS. STUDENT LAVATORIES SHALL BE CHICAGO 3400-CP FAUCETS. P-TRAP MAY BE DEARBORN BRASS COMPANY #704 ASSEMBLY OR EQUAL 17 GA. P-TRAP. COMPRESSION STOPS MAY BE BRASSCRAFT #OCR 19 CS OR EQUAL. PROVIDE STAINLESS STEEL BRAIDED CONNECTORS AT LEAST 16" LONG. MOUNTING BRACKETS SHALL BE J.R. SMITH #0800.



3 TYPICAL REFLECTED CEILING PLAN
M1 1/4"=1'-0" OPTION #3

- SHEET NOTES -

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

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

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
PIONEER ELEMENTARY SCHOOL

12'X40' RELOCATABLE BUILDING
TYPICAL CEILING PLAN & NOTES

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

APPROVALS:



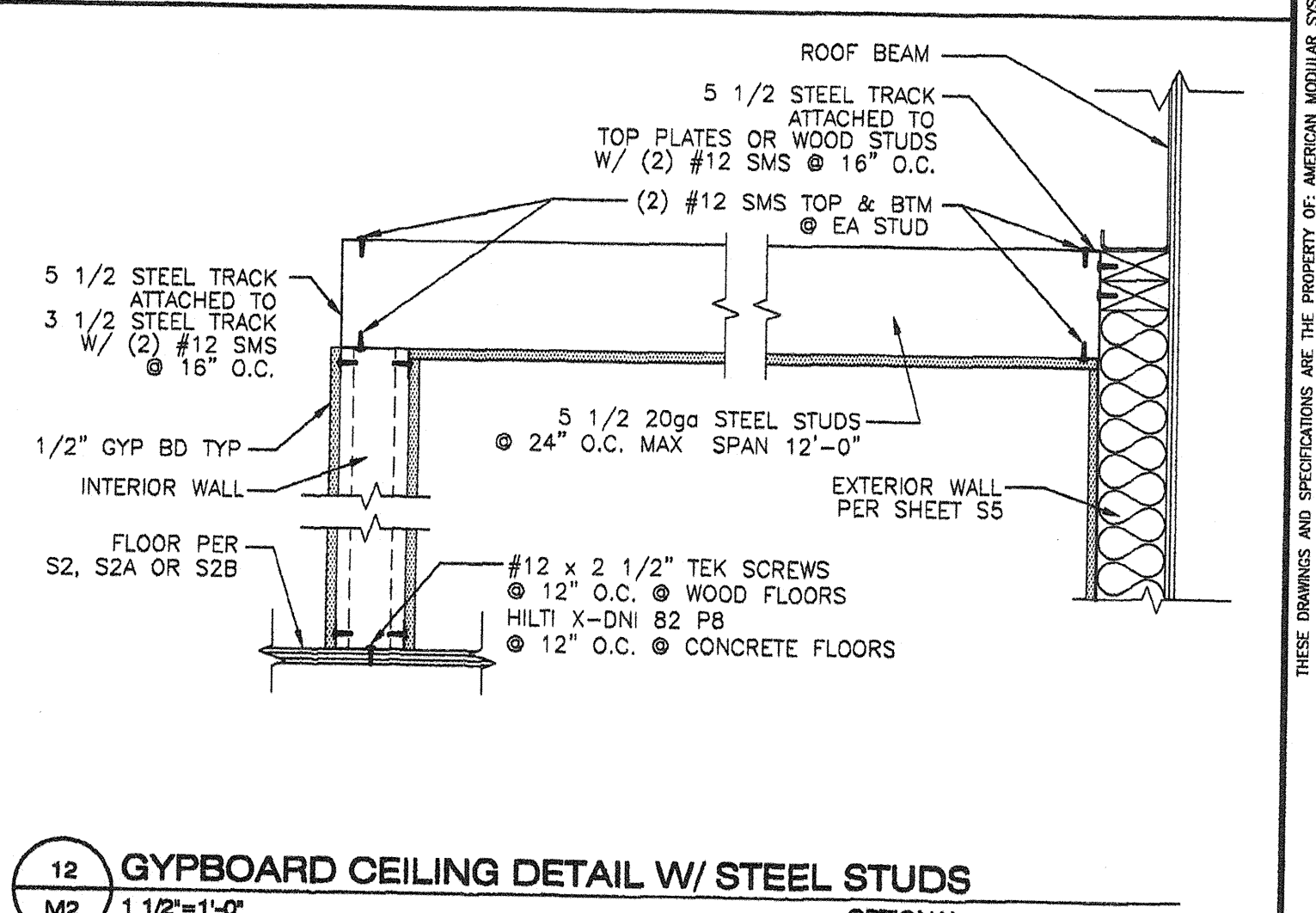
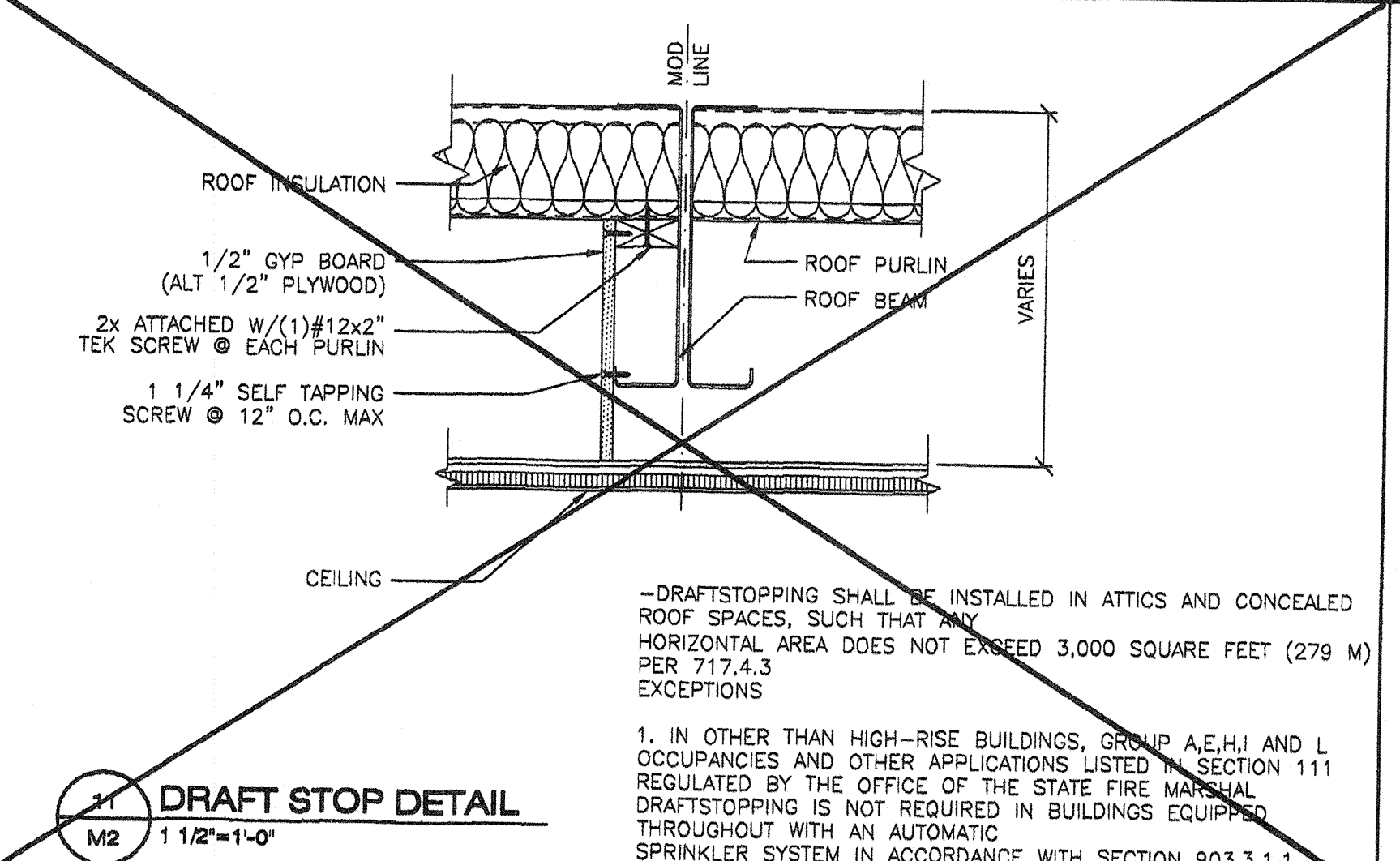
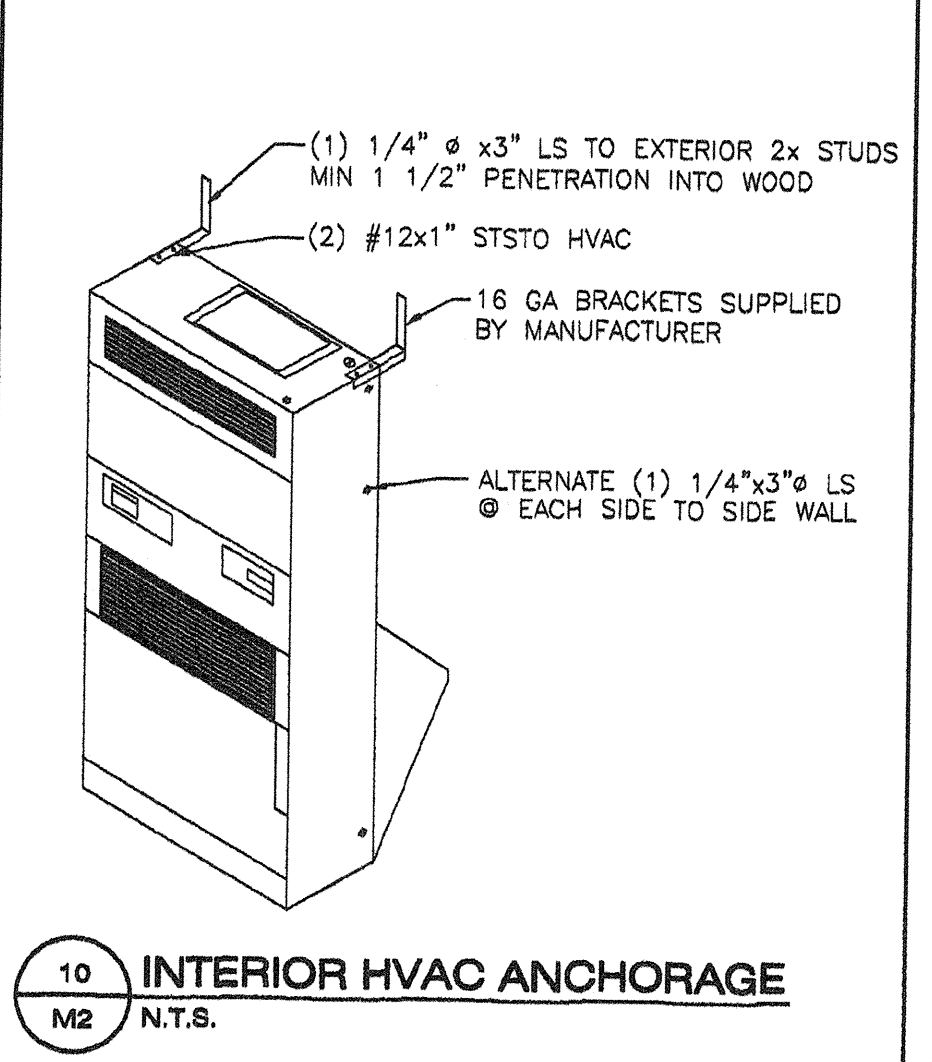
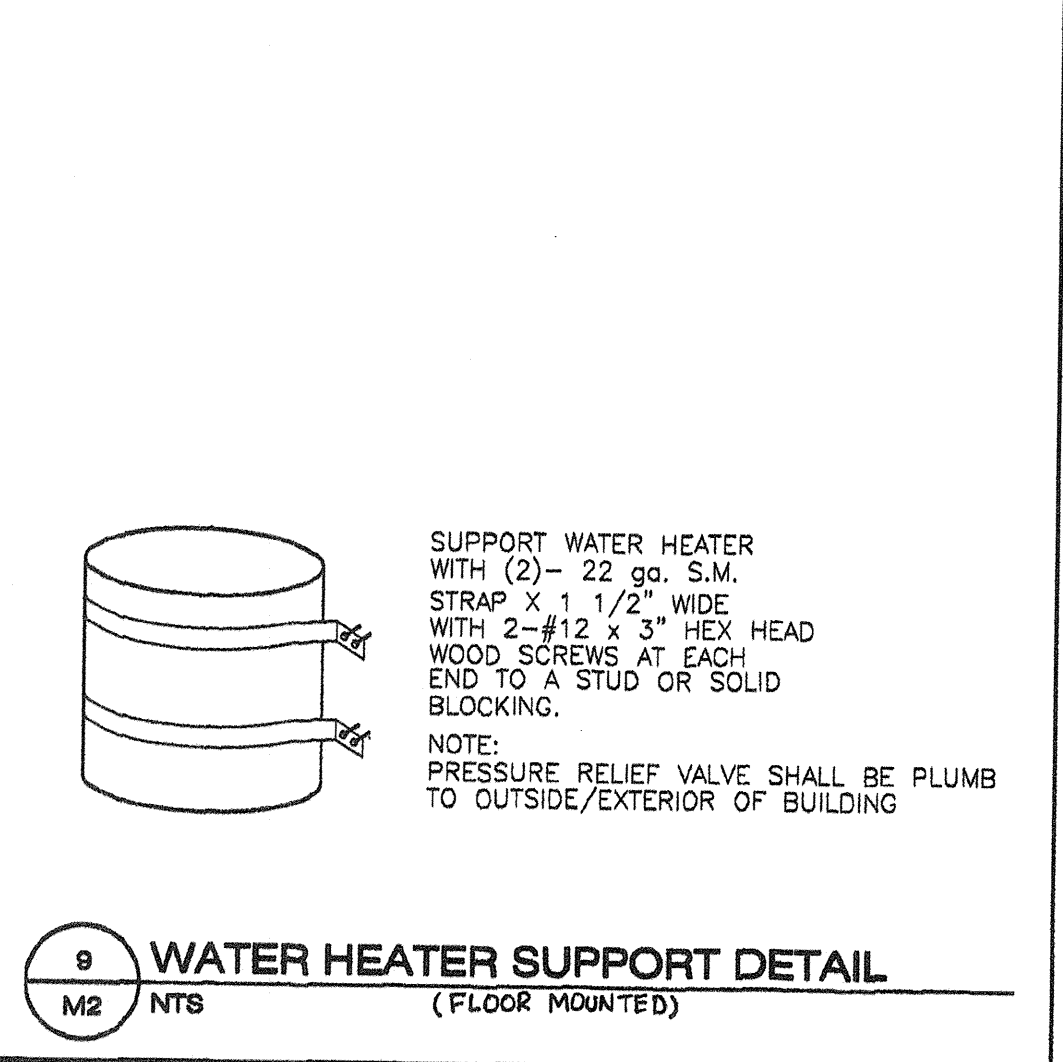
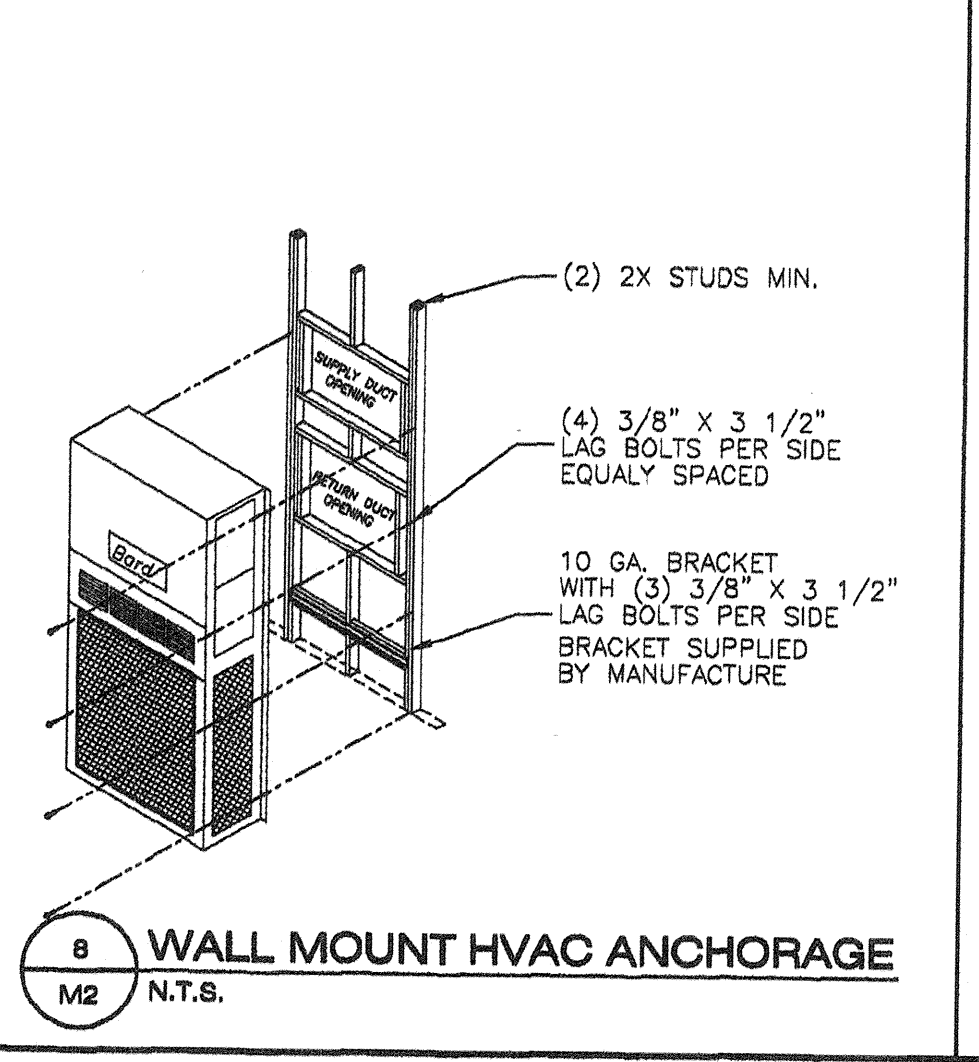
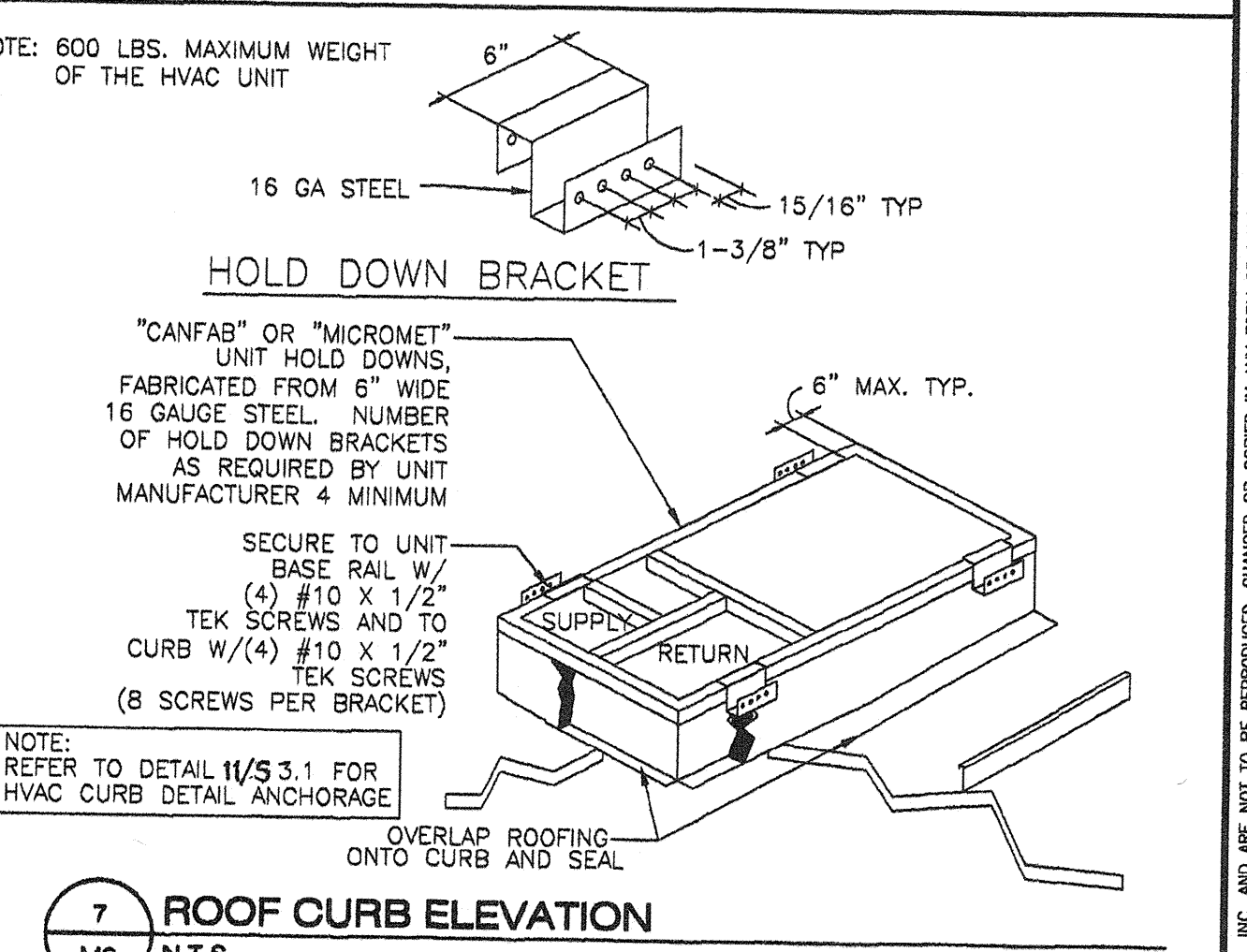
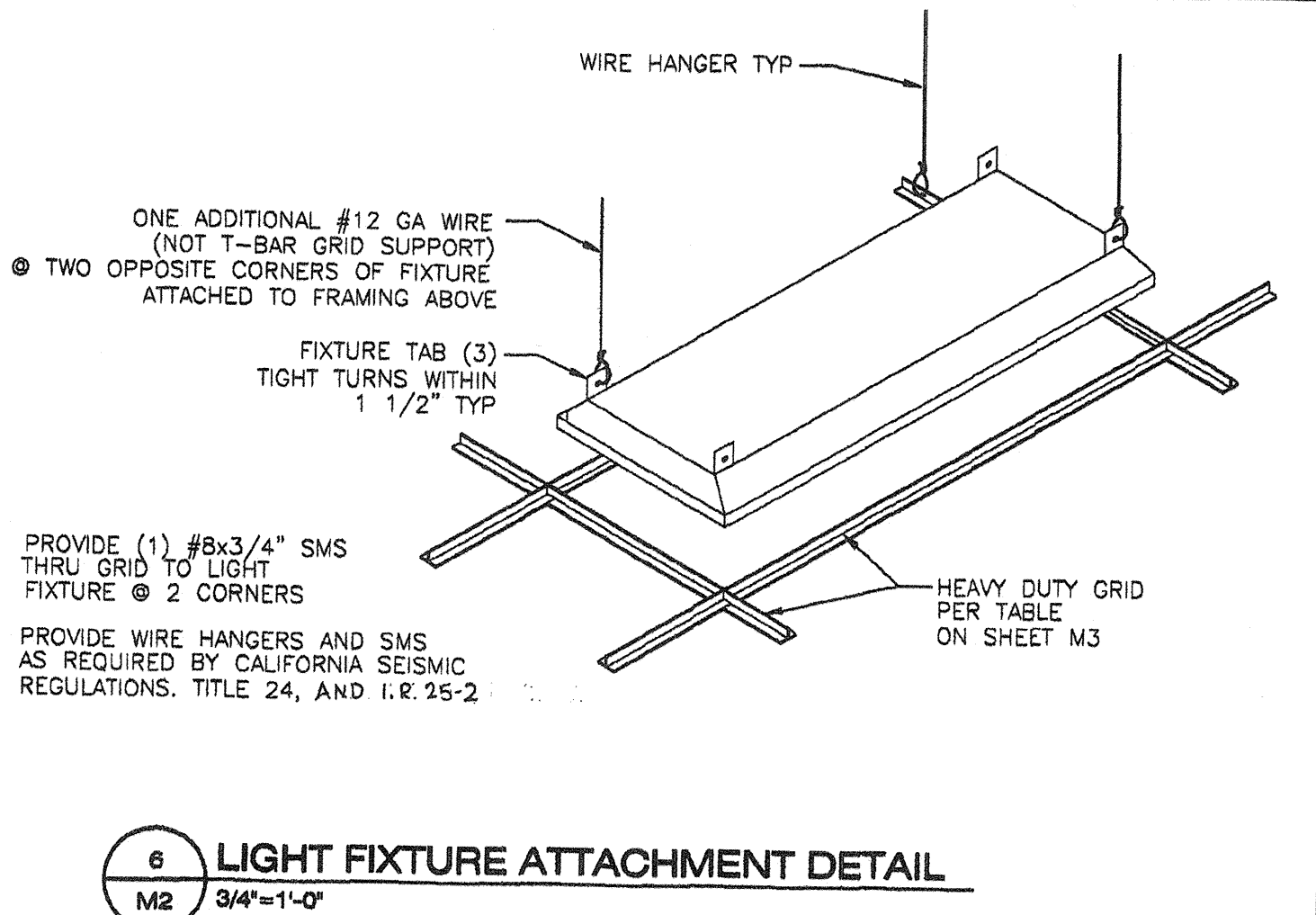
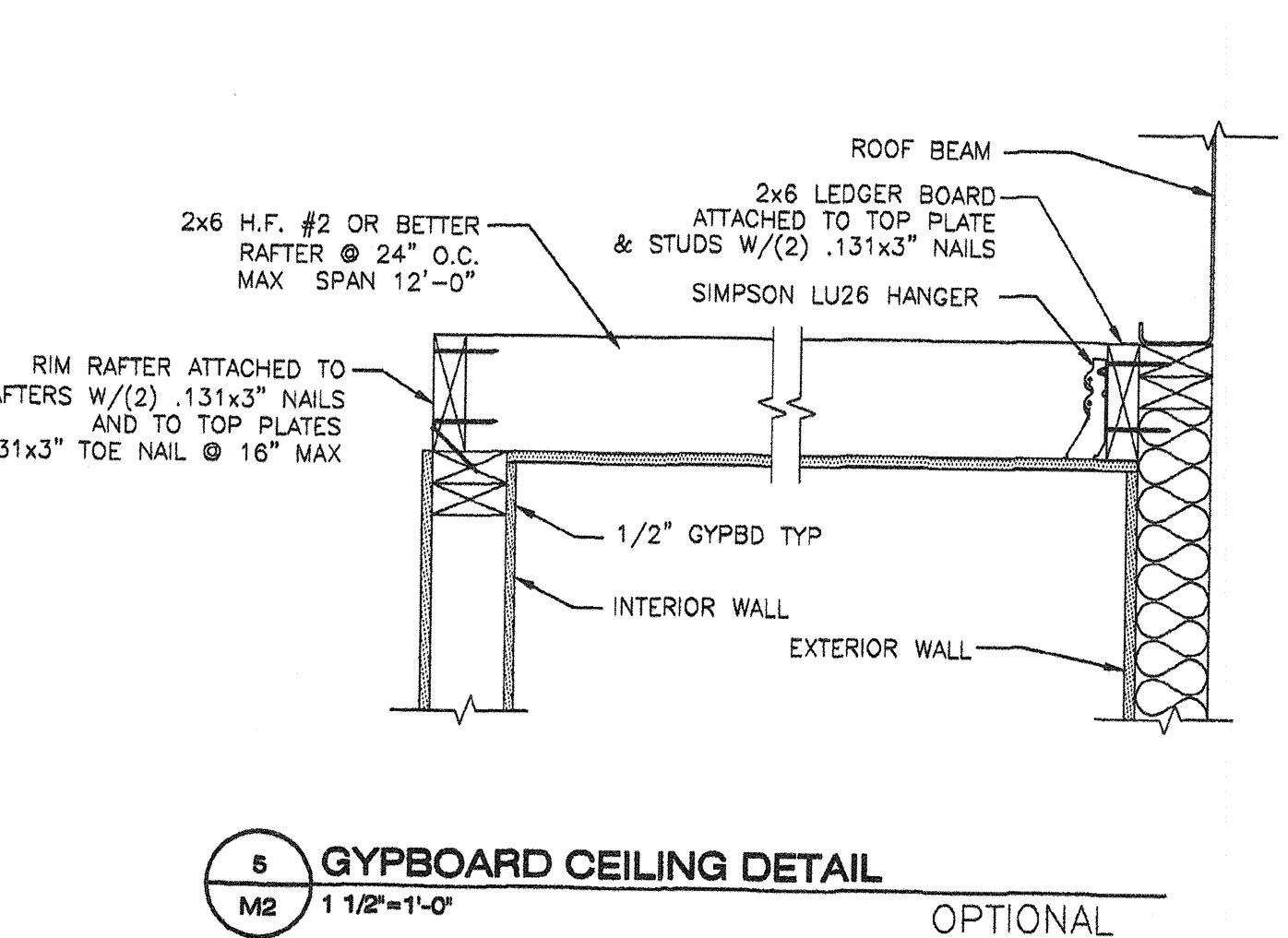
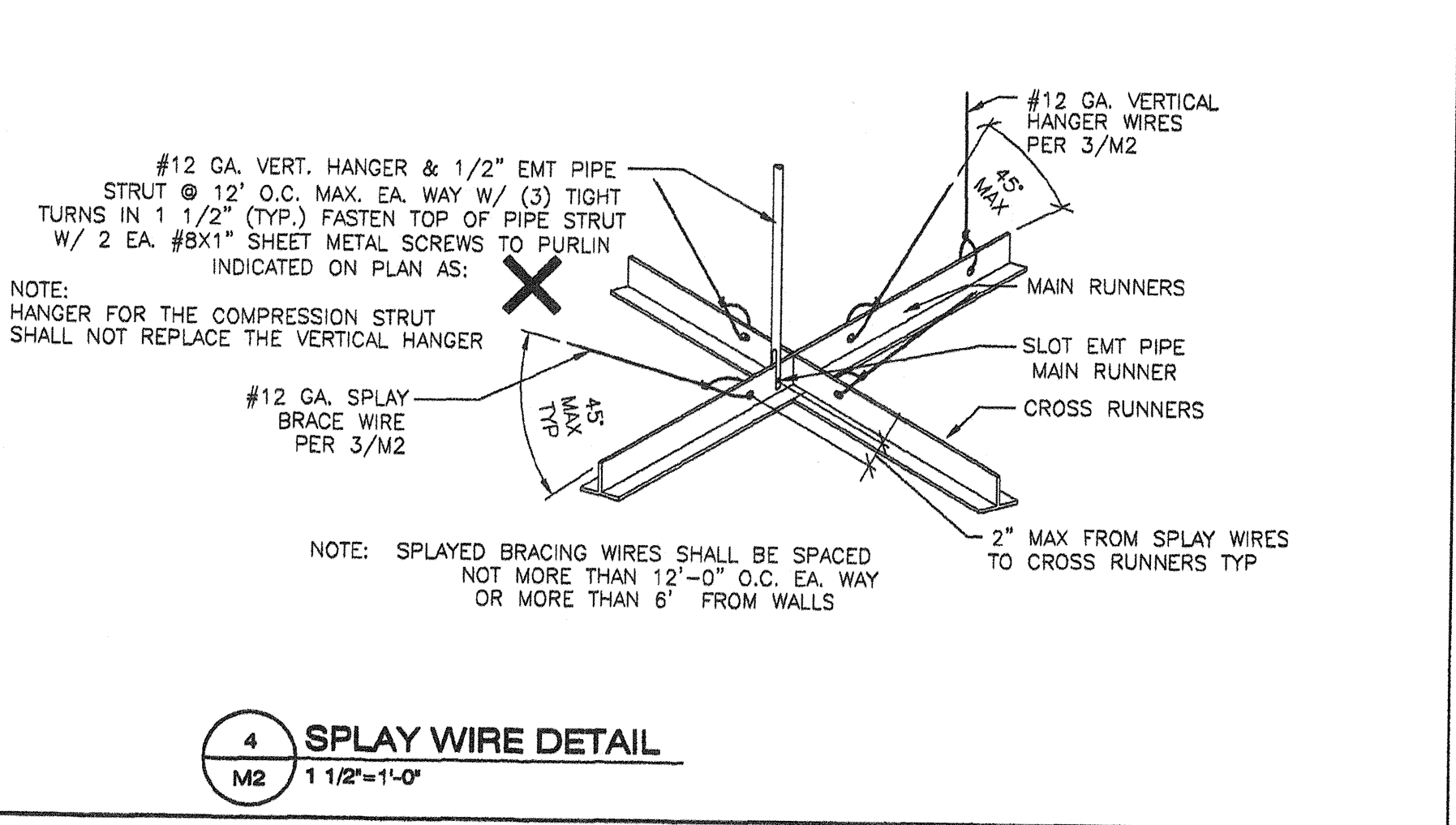
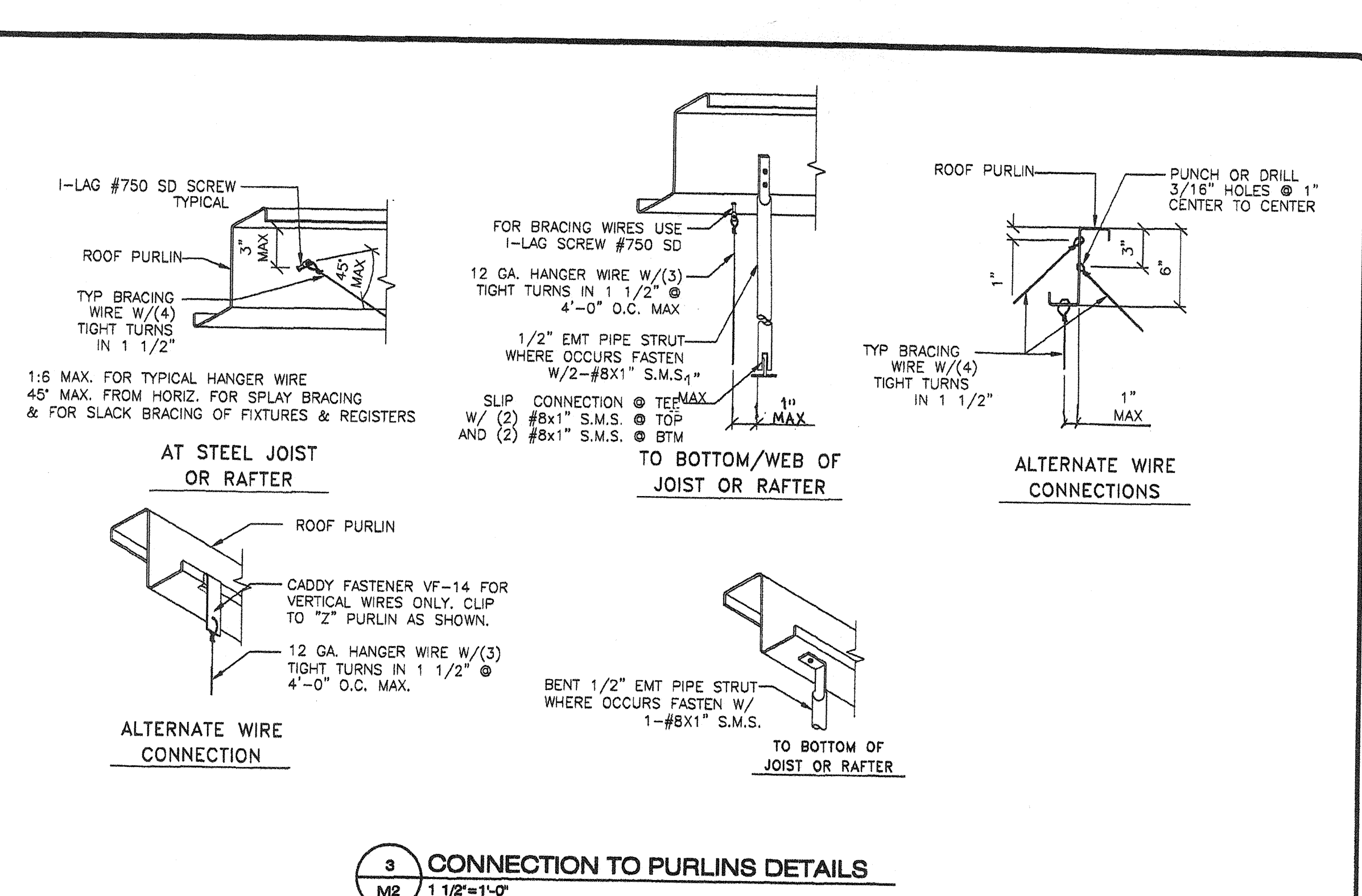
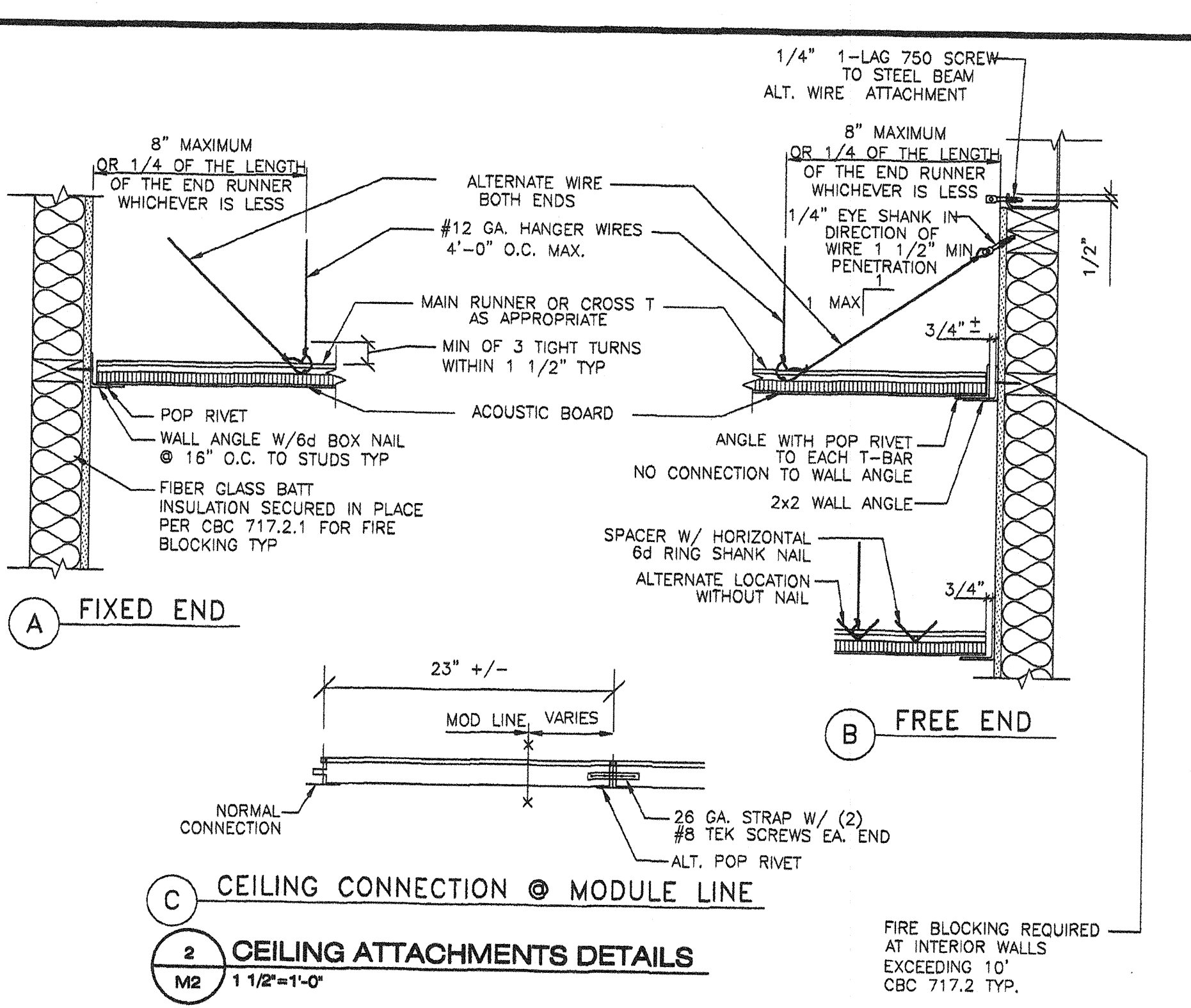
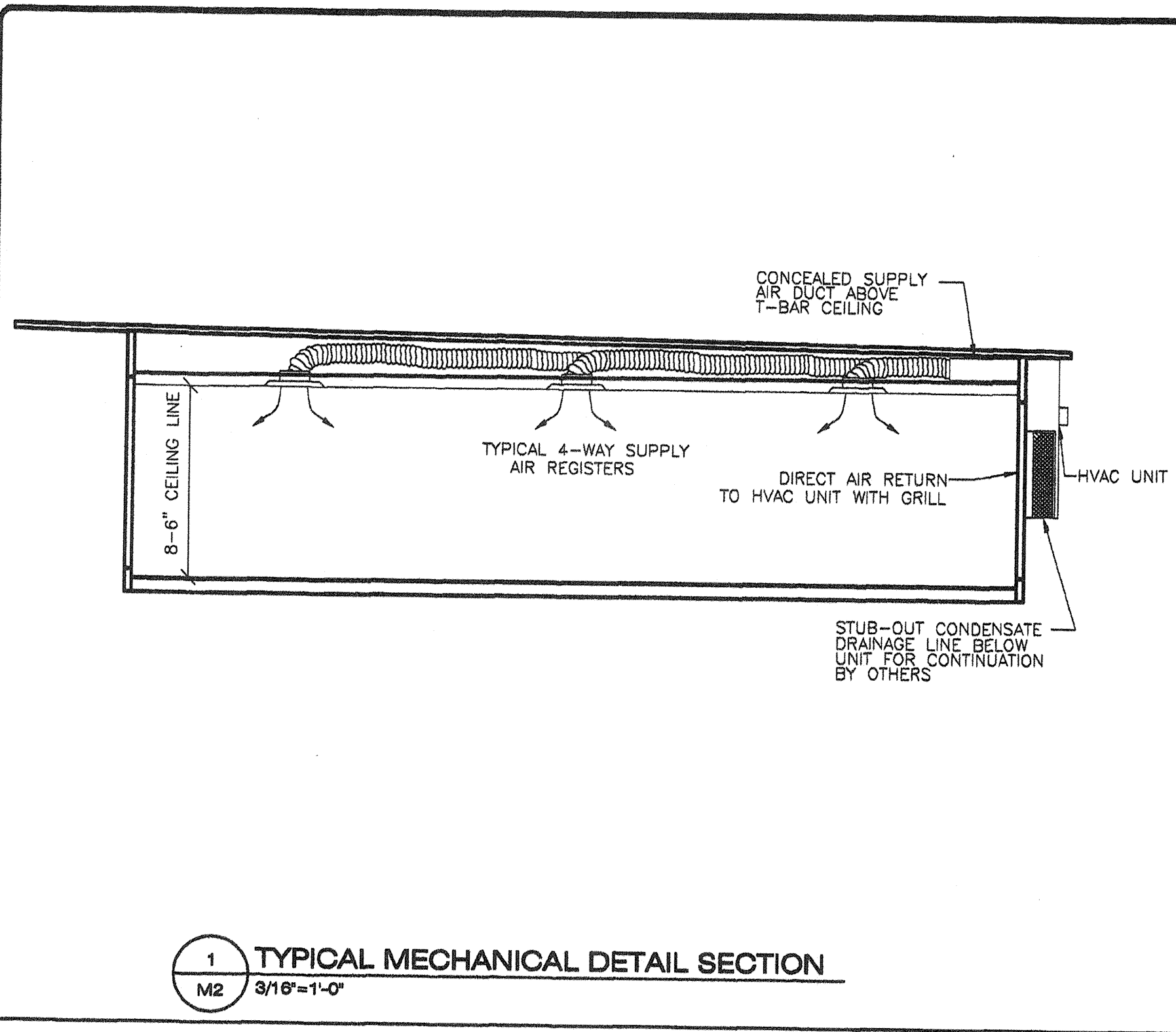
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
C2 113549
DATE: 9-2-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC: _____ FL: _____ SS: _____
DATE: _____

PROJECT No.
M1-1

BASED ON PC# 02-109808

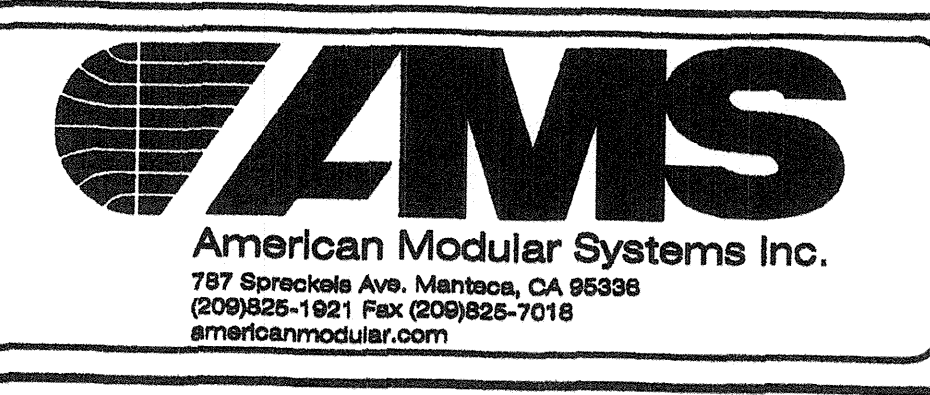
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REVISIONS		
NO.	DATE	DESCRIPTION
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DATE: 2/24/09
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:
 12'X40' RELOCATABLE BUILDING
 MECHANICAL BUILDING SECTION & CEILING DETAILS



APPROVALS:

STATE OF CALIFORNIA
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 No. C12631
 Ran. 3.0.0.2
 DATE: 9-2-2010
 PROJECT No. M2-R

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:
 - FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
 - 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.
- 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.,
- ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES.
- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
- CLASSIFICATION OF CEILING GRID: CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, OR DONN(USG) PER ASTM C635 MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01 OR DX26. MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC 1214-01 OR DONN DX 416 CROSS TEES. MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A. ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS T, 24" x 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

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

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

GENERAL NOTES

- HEATING VENTILATING AND AIR CONDITIONING (HVAC)
- HEAT PUMP: SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-77.

REFERENCE BRANDS: BARD WH421-AXXXXXXX
BARD WH482-AXXXXXXX
BARD WH602-AXXXXXXX

MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT

ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.

A.) THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES

F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER

B.) THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE THIRD FRESH AIR.
 - DUCTWORK.

A.) CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.

B.) NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE, TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
 - AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
 - SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAX. 12" ROUND. 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"x8"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTANTEED, OR EQUAL AND 90- B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
 - REGISTERS AND DIFFUSERS: PROVIDE THREE (MIN) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED CARNES, TITUS, HART AND COOLEY, METALARE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS
 - AIR CONDITIONING CONTROLS. THERMOSTAT: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS.
 - 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING WITH 4 SEPARATE TIME/TEMPERATURE SETTING FOR 24-HOUR PERIOD.
 - KEY BOARD LOCKOUT SWITCH.
 - PROGRAMMABLE DISPLAY.
 - 2-HOUR OVERRIDE MINIMUM.
 - STATUS INDICATED LED'S.
 - BATTERY BACK-UP.

PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODERS #92-371. MOUNT @ +60" w/COVER (SEALED-SETTING ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.) +48" UNSEALED.
 - THERMAL INSULATION
 - ROOF INSULATION: R-19 UNFACED.
 - WALLS INSULATION: R-13 KRAFT FACED.
 - FLOORS INSULATION: CONCRETE FLOOR

FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 719.
 - FACTORY-MADE AIR DUCTS. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARD NO. 6-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH U.M.C. STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF UMC STD. 6-1.

DUCT SUPPORT
FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. CALV. 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.

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

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

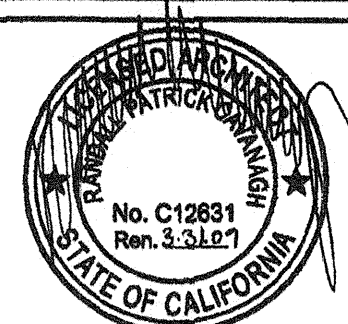
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2		
3		
4		

DATE: 2/24/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
**12'X40' RELOCATABLE BUILDING
CEILING & MECHANICAL NOTES**



APPROVALS:



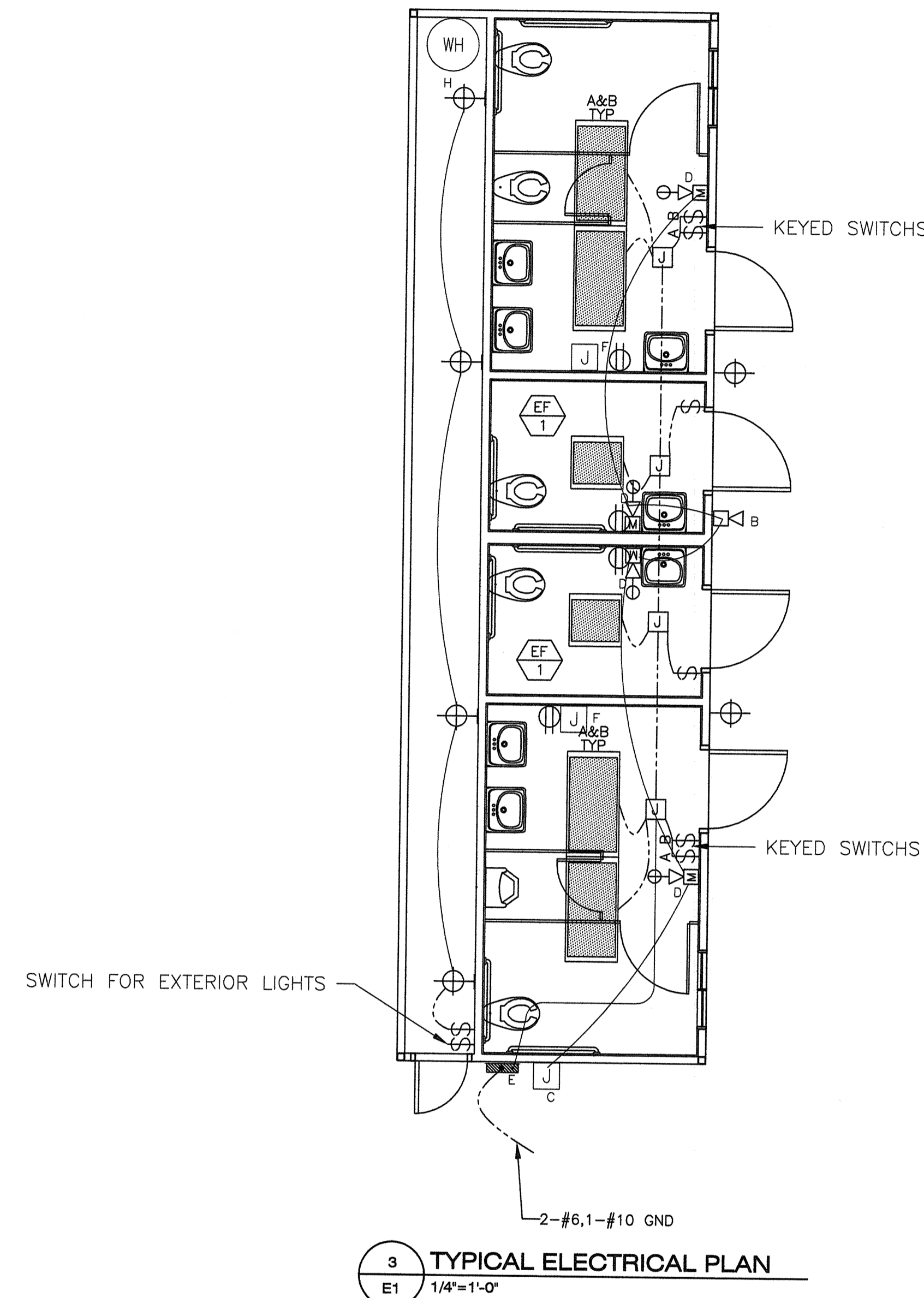
REGISTRATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
C3 118549
DATE: 9-2-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-108808
DATE: 9/1/09

PROJECT NO.
PC
M3

STANDARD ELECTRICAL SYMBOLS

- EXIT LIGHT WHERE TWO OR MORE EXITS ARE REQUIRED
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- DUPLEX WALL CONVENIENCE OUTLETS
@ +18" TO CENTER LINE ABOVE F.F. AND 12"-0" MAX TYP U.O.N.
- FOURPLEX WALL OUTLET
@ +18" TO CENTER LINE U.O.N.
- W.P. GFCI
WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET
- GFCI
GROUND FAULT CIRCUIT INTERRUPT OUTLET
- 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"
- CLOCK/SPEAKER COMBO @ +90"
- SWITCH SUBSCRIPTS - @=DEVICE CONTROLLED.
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- SPEAKER- OUTLET ONLY - 4" SQ. BOX W/
DEVICE RING AND COVER +84"
- DATA/COMMUNICATION OUTLET ONLY- 4" SQ. BOX W/
SINGLE DEVICE RING AND COVER +18" U.O.N.
AND A 3/4" CONDUIT STUB CEILING SPACE.
- INTERCOM TELEPHONE- OUTLET ONLY- 4" SQ. BOX W/
SINGLE DEVICE RING AND COVER +48" U.O.N.
- MOTION SENSOR OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W/
SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT
STUB TO ABOVE CEILING (DEVICES BY OTHERS)
- SECURITY/INTRUSION KEY PAD - OUTLET ONLY- 4" SQ.
BOX W/ SINGLE DEVICE RING AND COVER @ +48"
AND ONE 3/4" CONDUIT STUB ABOVE CEILING
- DOOR CONTACT - PROVIDE (1) EMPTY 1/2" EMT
THROUGH DOOR HEADER STUB ABOVE CEILING
- CATV
CATV OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W/
SINGLE DEVICE RING AND COVER
AND(1) 3/4" CONDUIT TO ABOVE CEILING (DEVICES BY OTHERS)
- FIRE ALARM PULL STATION - OUTLET ONLY, 4" SQ. BOX W/
SINGLE DEVICE RING AND COVER +48". (DEVICE N.I.C.)
- FIRE ALARM HORN - OUTLET ONLY - 4" SQ.
SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER
@ +90" MIN (DEVICE N.I.C.)
- FIRE ALARM VISUAL ALARM- OUTLET ONLY - 4" SQ.
BOX W/ SINGLE DEVICE RING AND COVER +80".
A.F.F. BUT NO GREATER THAN +96". IF CEILING
MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
- MINI HORN BOX W/ SINGLE DEVICE RING AND COVER
@ +80"A.F.F. BUT NO GREATER THAN +96".
STUB TO ATTIC
- THERMOSTAT @ +60" SEALED, +48" A.F.F UNSEALED
- ULTRASONIC OCCUPANCY SENSOR
- ELECTRICAL PANEL



3 TYPICAL ELECTRICAL PLAN
E1 1/4"-1'-0"

- B. EXTERIOR 4 SQ. J-BOX (FIRE ALARM HORN)
INSTALL AT +90" FROM FINISHED FLOOR.
- C. J-BOX ONLY (FIRE ALARM TIE-IN) INSTALL
4" SQ. BOX, 2 GANG RING WITH 1" CONDUIT TO
ABOVE CEILING. TIE TO 3/4" CONDUIT AS SHOWN
ON PLAN FOR FIRE ALARM DEVICES.
- D. 4" SQ. J-BOX (FIRE ALARM HORN/STROBE).
- E. ELECTRICAL SERVICE TIE-IN LOCATION.
- F. 4" J-BOX MOUNTED AT +36" TO CENTER WITH
230 V. POWER FOR DISTRICT SUPPLIED HAND DRYERS.
- G. EXTERIOR ENERGY SAVING LIGHT FIXTURE. STANDARD
LIGHT SWITCH LOCATED IN PLUMBING CHASE. IDENTIFY
SWITCH AS SUCH.
- H. 6 GALLON 120V ELECTRIC WATER HEATER. MOUNT
ON WALL AS HIGH AS POSSIBLE WITH dsq APPROVED
PLATFORM AND SAFETY STRAP.

NOTE:
AT ANY SPACE REQUIRING 2 OR MORE
EXITS PROVIDE EXIT SIGNS (CBC 1011)
AND EMERGENCY EXIT ILLUMINATION
(CBC 1006)

NOTE:
THE PROJECT ARCHITECT SHALL BE
RESPONSIBLE FOR THE PLACEMENT OF
HEAT, SMOKE DETECTORS AND PULL STATIONS
WHEN THE SITE SPECIFIC PROJECT IS
REQUIRED TO MEET THE PROVISIONS OF
SB 575 & CBC 907.2.3

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'x4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)32 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT 24GP40HFA1158YF2 OR LITHONIA 2GT440A12120ESPWS1846LPESCW
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & POSIGRIP STAINLESS STEEL SCREWS. (PROVIDE EMERGENCY BATTERY BACK-UP WHERE TWO OR MORE EXITS OCCUR.)	(2) 7W TT 2700 K	ENERTRON 7026B-L OR EQUAL

- GENERAL NOTES -

- 1.-F.A. : STUB-UP ALL
FIRE ALARM JUNCTION BOXES
TO ACCESSIBLE ATTIC SPACE
WITH 1/2" MIN. GALV. THIN
WALL TUBING (EMT).
DO NOT CONNECT FIRE ALARM
CONDUIT WITH ANY OTHER
ELECTRICAL CONDUIT
- 2.-IF OPTIONAL DOOR OCCURS A PULL STATION
J-BOX AND EXIT SIGN ARE REQUIRED.
PULL STATIONS ARE REQUIRED @ EVERY EXIT
- 3.-STUB OUT LOCATIONS FOR ELECTRICAL
PANEL, FIRE ALARM, AND DATA BOXES
SHOWN ARE DIAGRAMMICAL ONLY
EXACT LOCATIONS MAY VARY +/- SEVERAL
FEET. PLEASE CONTACT AMERICAN MODULAR
SYSTEMS FOR EXACT LOCATIONS.
POINT OF CONNECTION WILL BE AT
FACE OF BUILDING.
- 4.-SEE TYPICAL CLASSROOM LAYOUT
FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH
CALIFORNIA SEISMIC REGULATIONS.
- 5.-THE LIGHTS FOR EACH ROOM OVER 250' SQ FT
SHALL BE CONTROLLED BY ULTRASONIC
OCCUPANCY SENSOR. WATT STOPPER W-500A,
W-1000A,OR W-2000A (OR EQUAL) BASED ON
THE ROOM SIZE IN CONJUCTION WITH BI-LEVEL
SWITCHING.

BASED ON PC# 02-109808

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
PIONEER ELEMENTARY SCHOOL

12'X40' RELOCATABLE BUILDING
TYPICAL ELECTRICAL PLAN & NOTES

APPROVALS:

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

118549
DATE: 9-2-2010

PROJECT NO.
E1

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

VOLTS: 120/240 SINGLE PHASE		PANEL "A"		FEED: EXTERIOR LB								
MAIN: 60 AMP MAIN BKR.		LOCATION: INTERIOR		MOUNTING: FLUSH								
LOAD	WATTS		BRK.	C	A	B	C	BRK.	WATTS		LOAD	
	A	B							A	B		
RECEPTS	1440		20	1	1			2	30	3216	WATER HEATER	
EXIT LIGHT / EXTERIOR LIGHTS		300	20	1	3			4	30	3216	WATER HEATER	
INTERIOR LIGHTS	1440		20	1	5			6				
F.A.C.P.		*			7			8				
					9			10				
					11			12				
					13			14				
					15			16				
					17			18				
PHASE WATTAGE	2880	300							3216	3216	PHASE WATTAGE	
TOTAL WATTS "A" LEG =	6096								TOTAL WATTS A+B=	9612	TOTAL WATTS "B" LEG =	3516
TOTAL WATTS =	9612								40 AMPS	120/240V	SINGLE PHASE	60 AMP BUS.

FEEDERS: 3-#2 & 1-#8 CU. TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

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

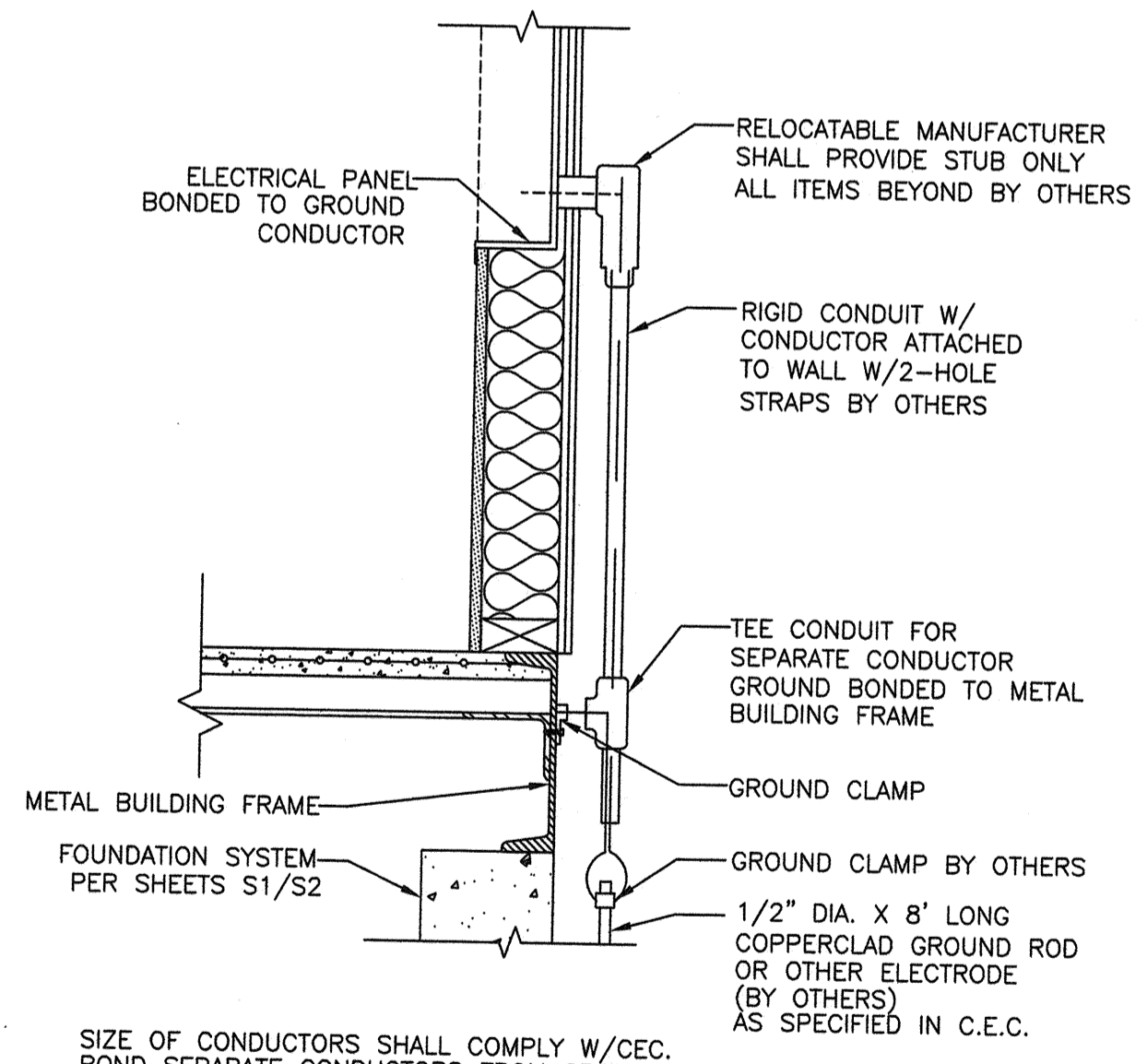
- GENERAL NOTES -

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

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

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

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



SIZE OF CONDUCTORS SHALL COMPLY W/CEC. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC). ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1. INSPECTOR TO WITNESS GROUNDING TEST.

1 GROUNDING DETAIL
E2 1 1/2"=1'-0"

BASED ON PC# 02-109808

REVISIONS

NO	DATE	DESCRIPTION

DATE: 08/12/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
PIONEER ELEMENTARY SCHOOL

12'X40' RELOCATABLE BUILDINGS
ELECTRICAL NOTES & DETAILS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)925-1921 Fax (209)925-7018
americanmodular.com

APPROVALS:

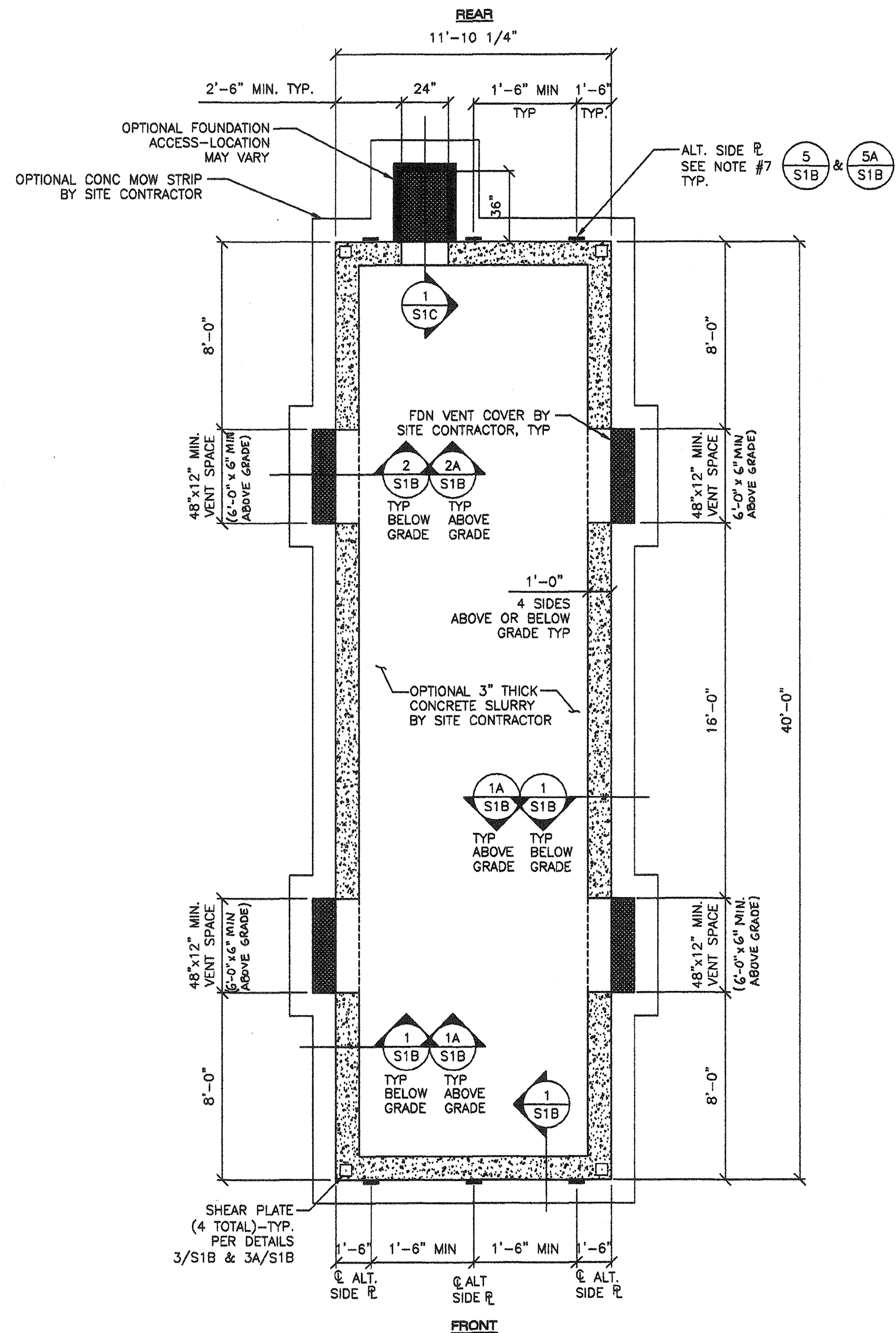
No. C12631
Rev. 2-21-11
DATE: 9-2-2010

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DATE: _____

PROJECT No.
PC

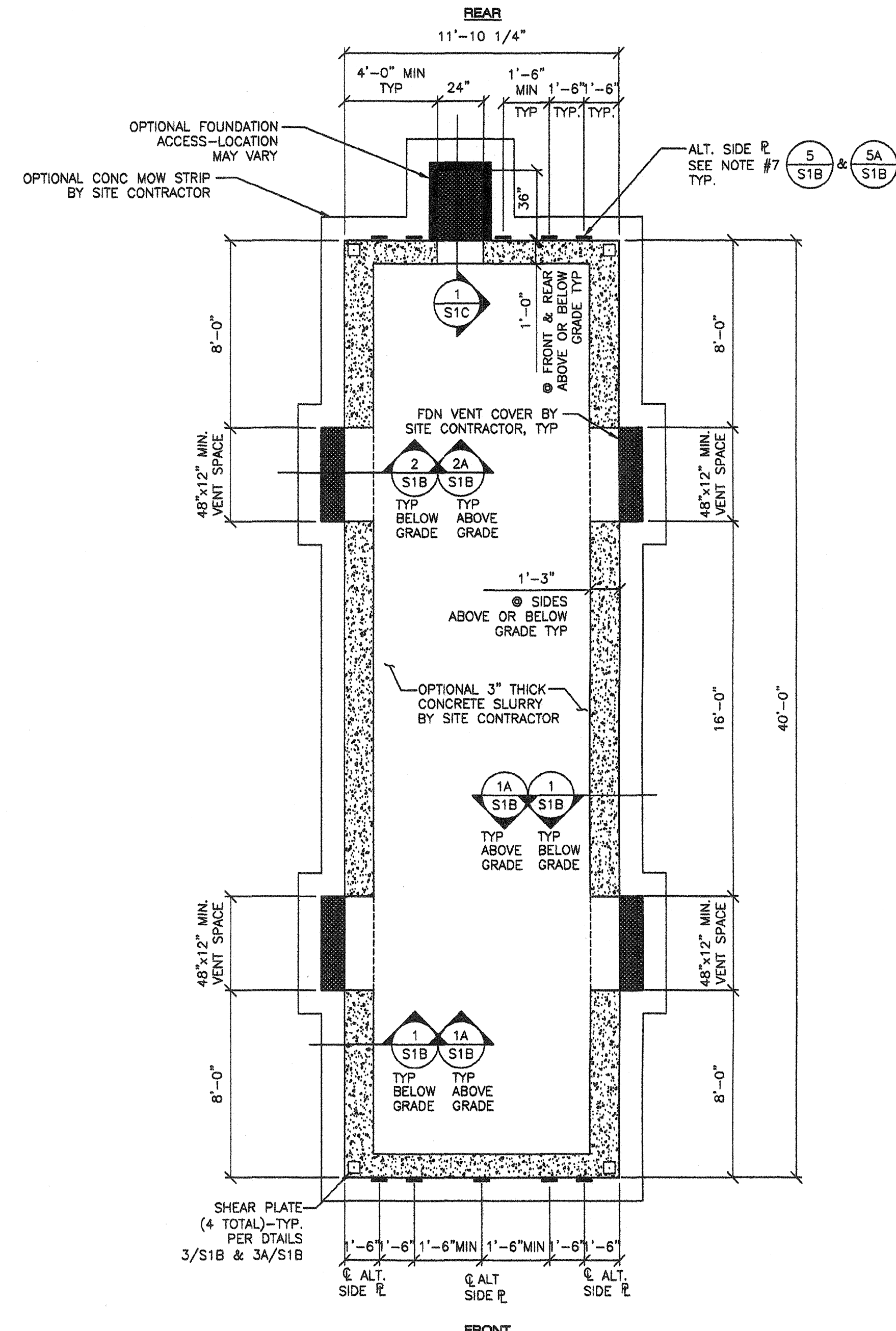
E2-R



A FOUNDATION PLAN (ABOVE/BELOW GRADE)
 S1A 1/4"=1'-0"
 (50 PSF FLOOR LIVE LOAD PLUS 15 PSF PARTITION LOAD)

NOTES:

- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
- ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
- THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1916A.2 IF CONCRETE WITH A COMPRESSIVE STRENGTH OF 3500 PSI IS SPECIFIED THEN THE TESTING OF THE REINFORCING BARS MAY BE WAIVED PER SECTION 1916A.4. THE CEMENT SHALL BE CERTIFIED PER SECTION 1916A.1
- REINFORCING STEEL 40,000 PSI MINIMUM, PER ASTM A615
- MINIMUM SOIL BEARING CAPACITY 1500 PSF.
- DESIGN SOIL BEARING CAPACITY 1500 PSF.
- ALTERNATE SIDE PLATES MUST COMPLETELY REPLACE TYPICAL SHEAR PLATES ALONG ANY ONE 40' WALL. COMBINATION OF TYPICAL SHEAR PLATES AND SIDE PLATES ALONG ANY ONE 40' WALL LINE IS NOT PERMITTED.
- MINIMUM BUILDING SEPARATION IS 6".



B FOUNDATION PLAN (ABOVE/BELOW GRADE)
 S1A 1/4"=1'-0"
 (CONCRETE 125 PSF FLOOR LIVE LOAD)

NOTES:

- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
- ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
- THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1916A.2 IF CONCRETE WITH A COMPRESSIVE STRENGTH OF 3500 PSI IS SPECIFIED THEN THE TESTING OF THE REINFORCING BARS MAY BE WAIVED PER SECTION 1916A.4. THE CEMENT SHALL BE CERTIFIED PER SECTION 1916A.1
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- MINIMUM BUILDING SEPARATION IS 6".

REVISIONS		
NO.	DATE	DESCRIPTION

DATE: 02/21/08
 SCALE: NOTED
 DRAWN BY: RL
 SERIAL NO.:

CUSTOMER:
**12' x 40' RELOCATABLE BUILDINGS
 CONCRETE FOUNDATION PLAN
 50 PSF LIVE LOAD + 15 P.S.F. & 125 PSF**



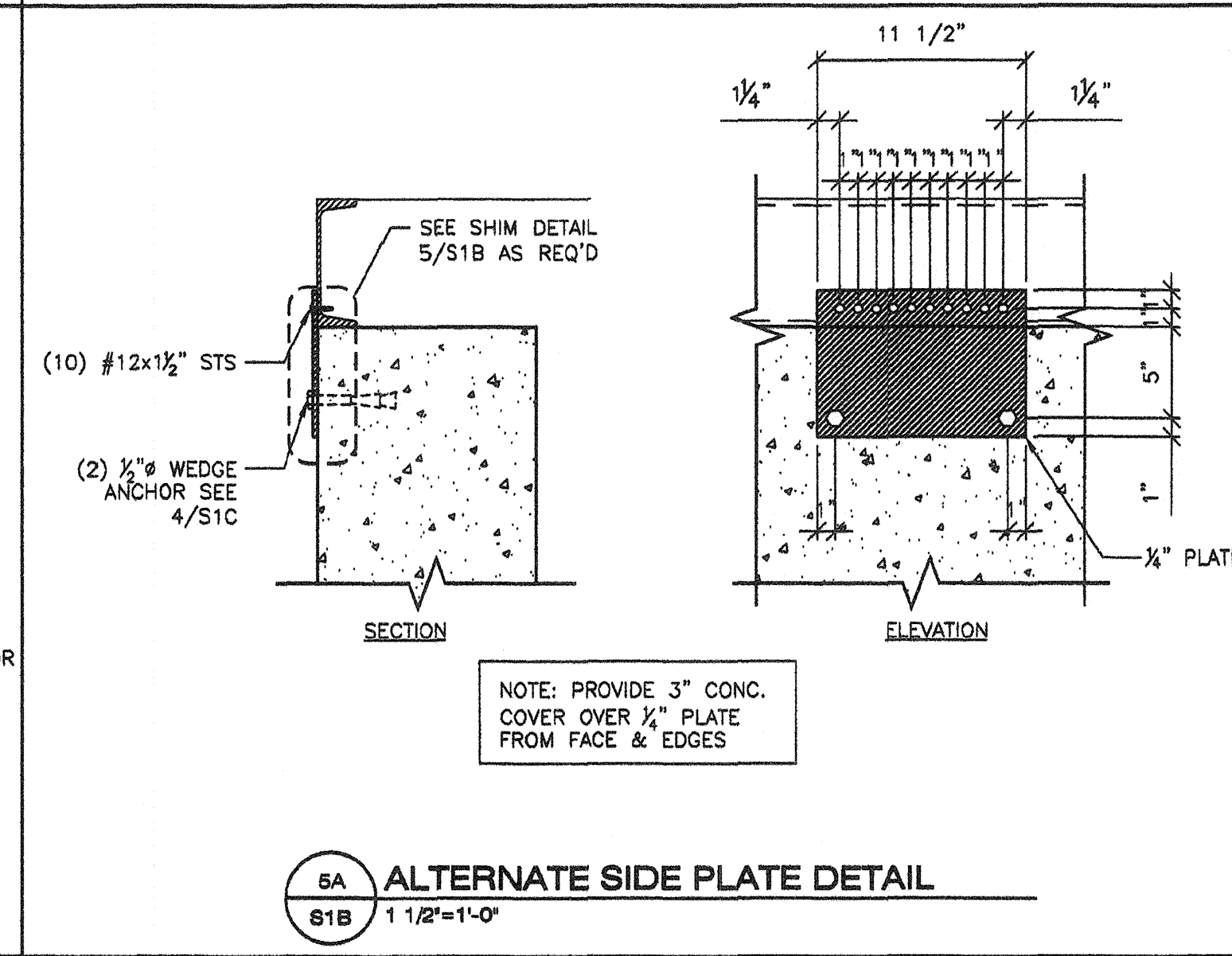
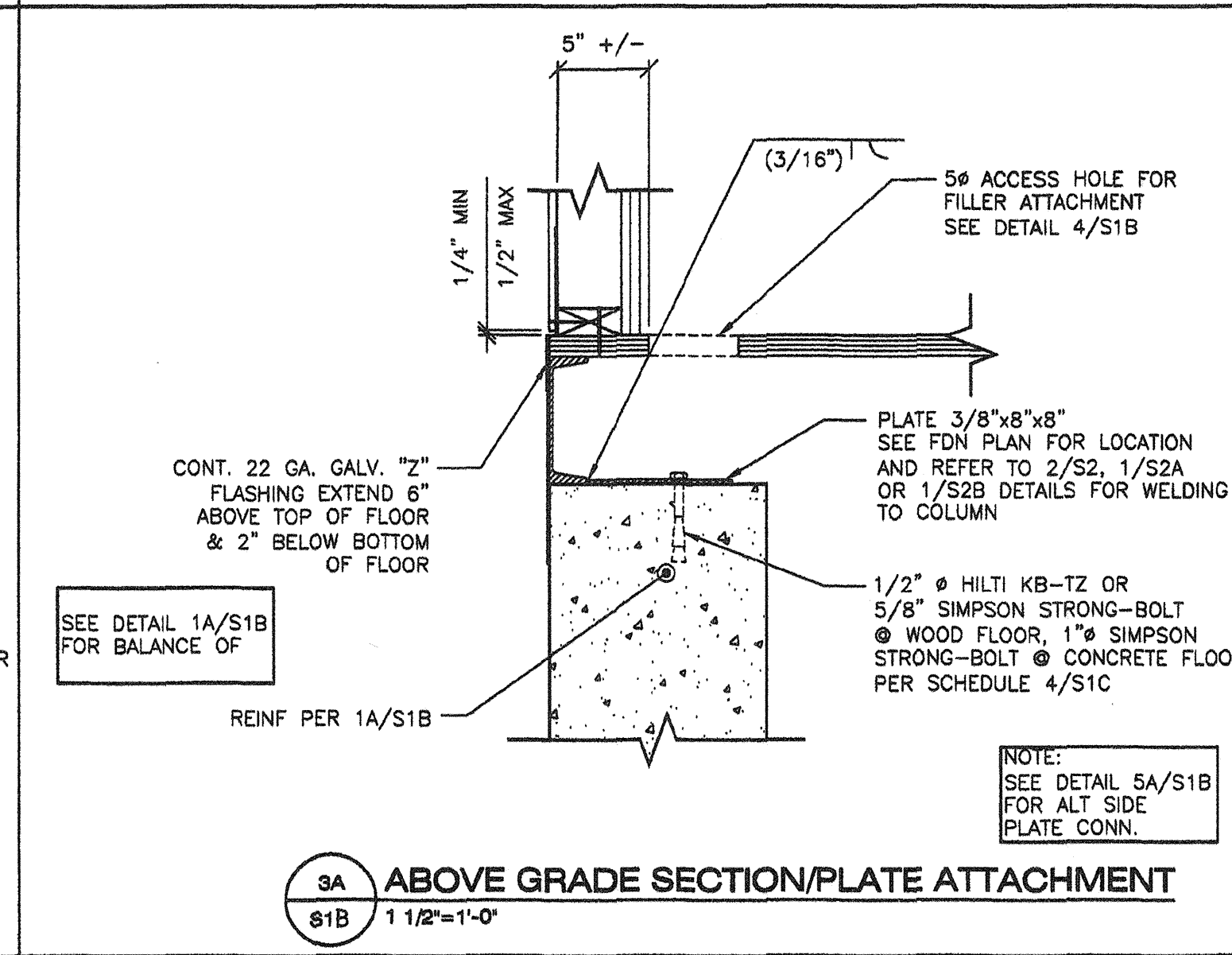
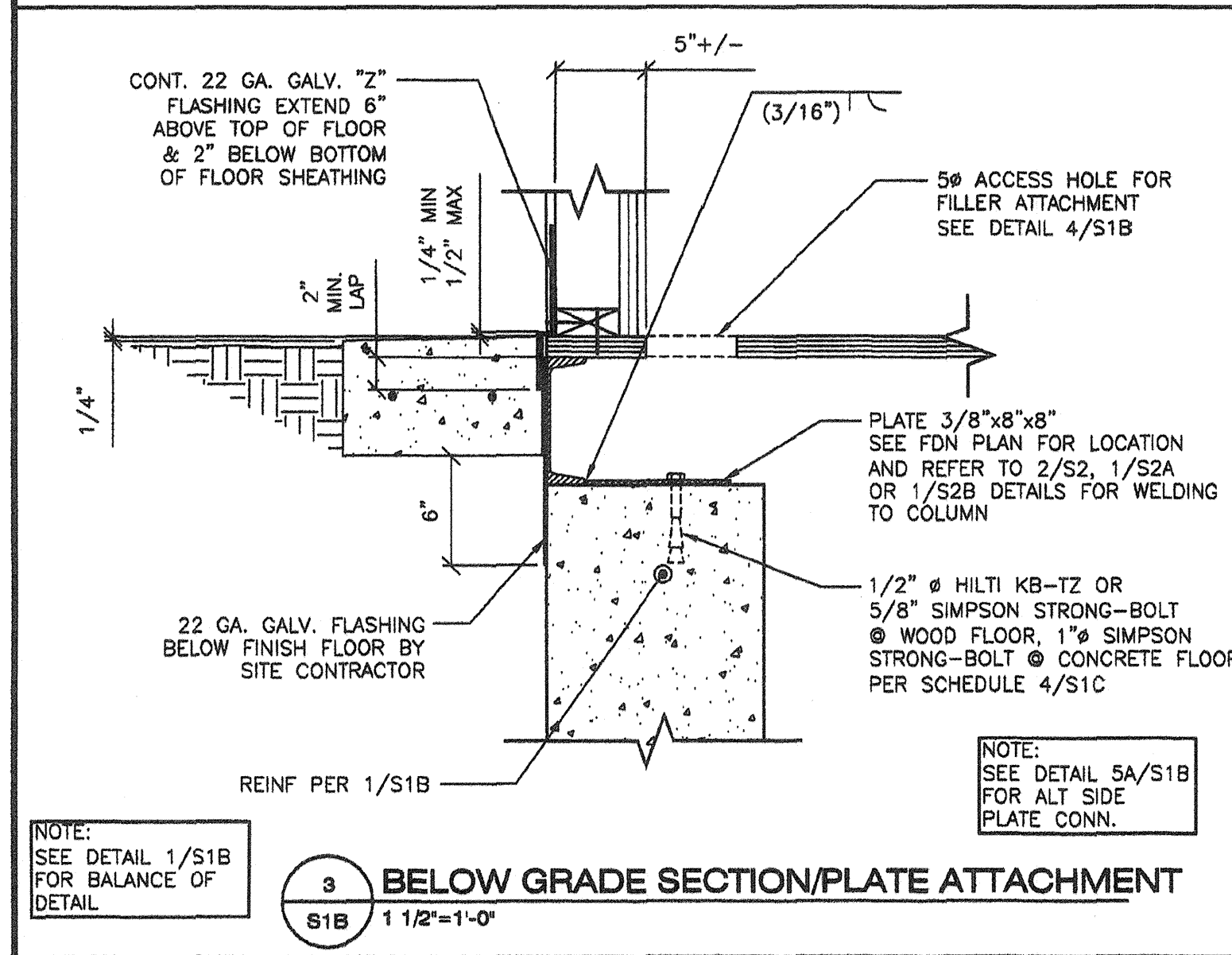
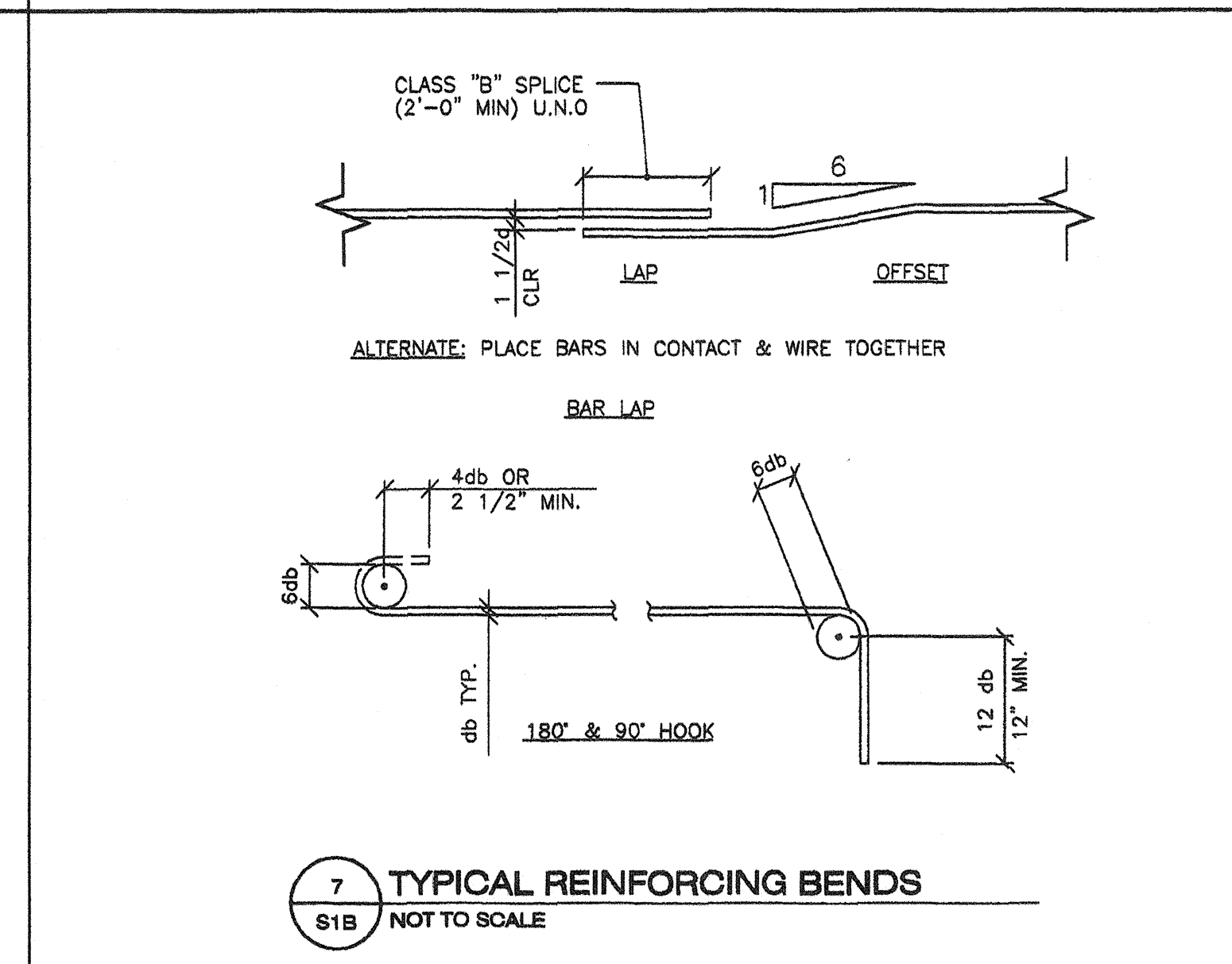
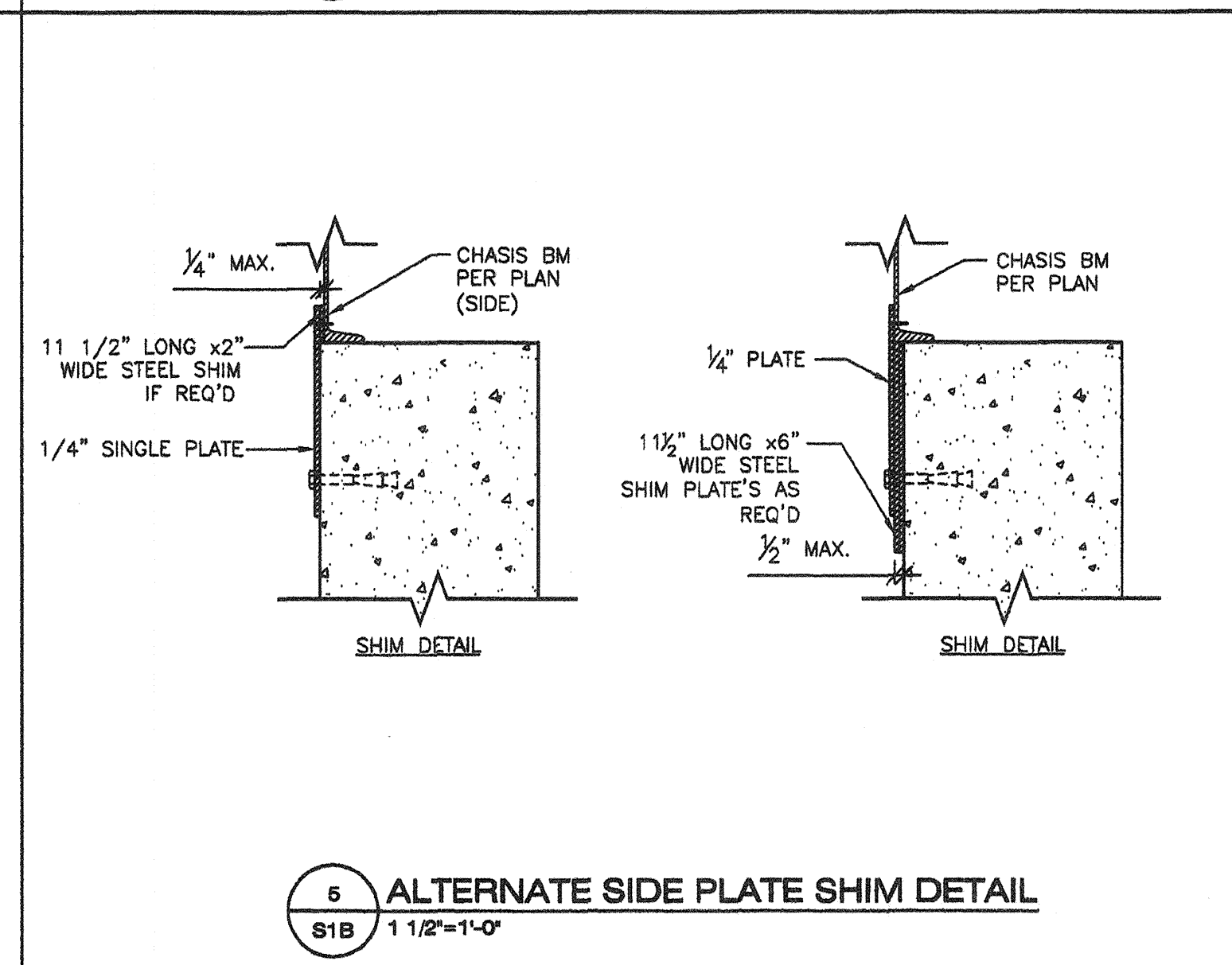
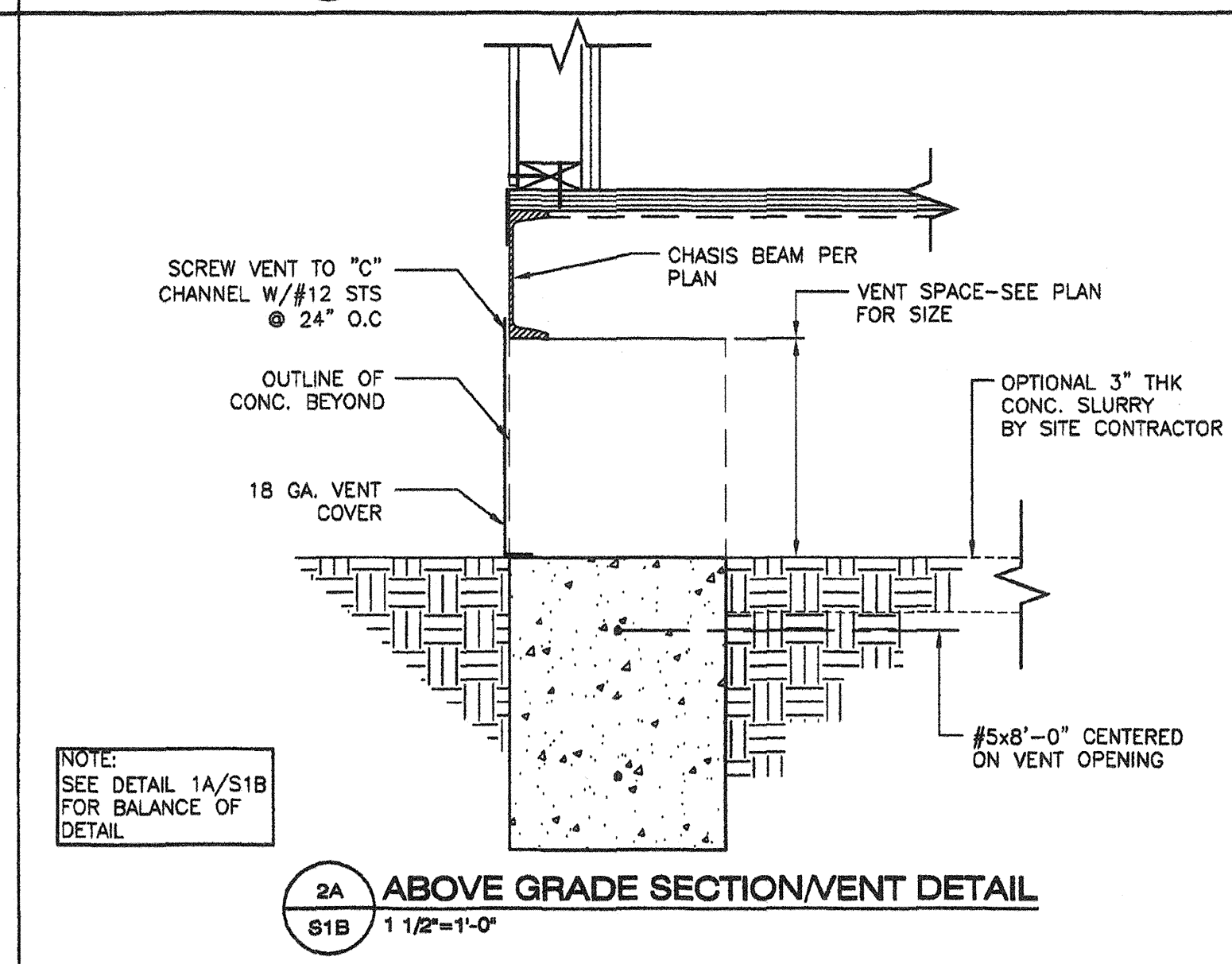
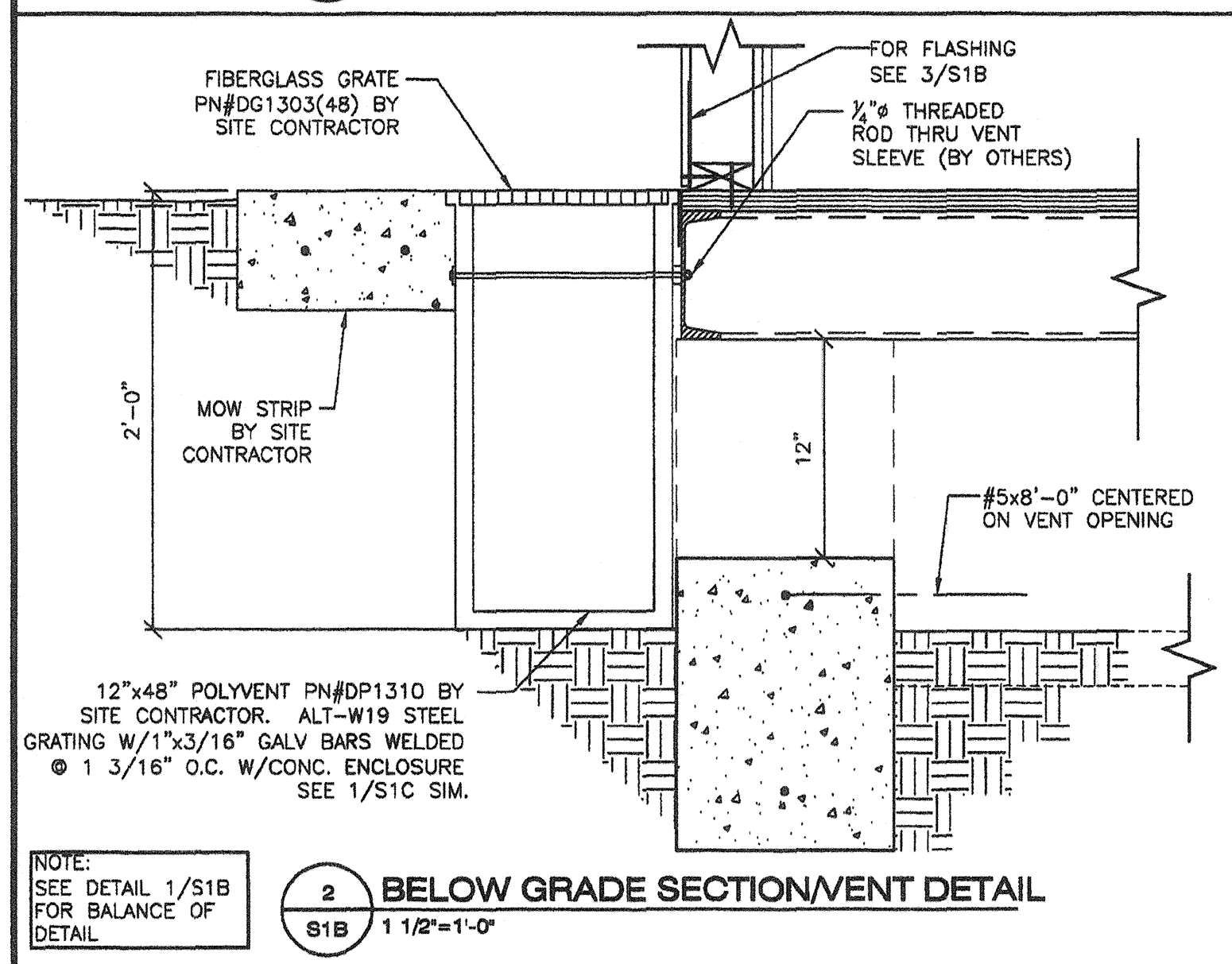
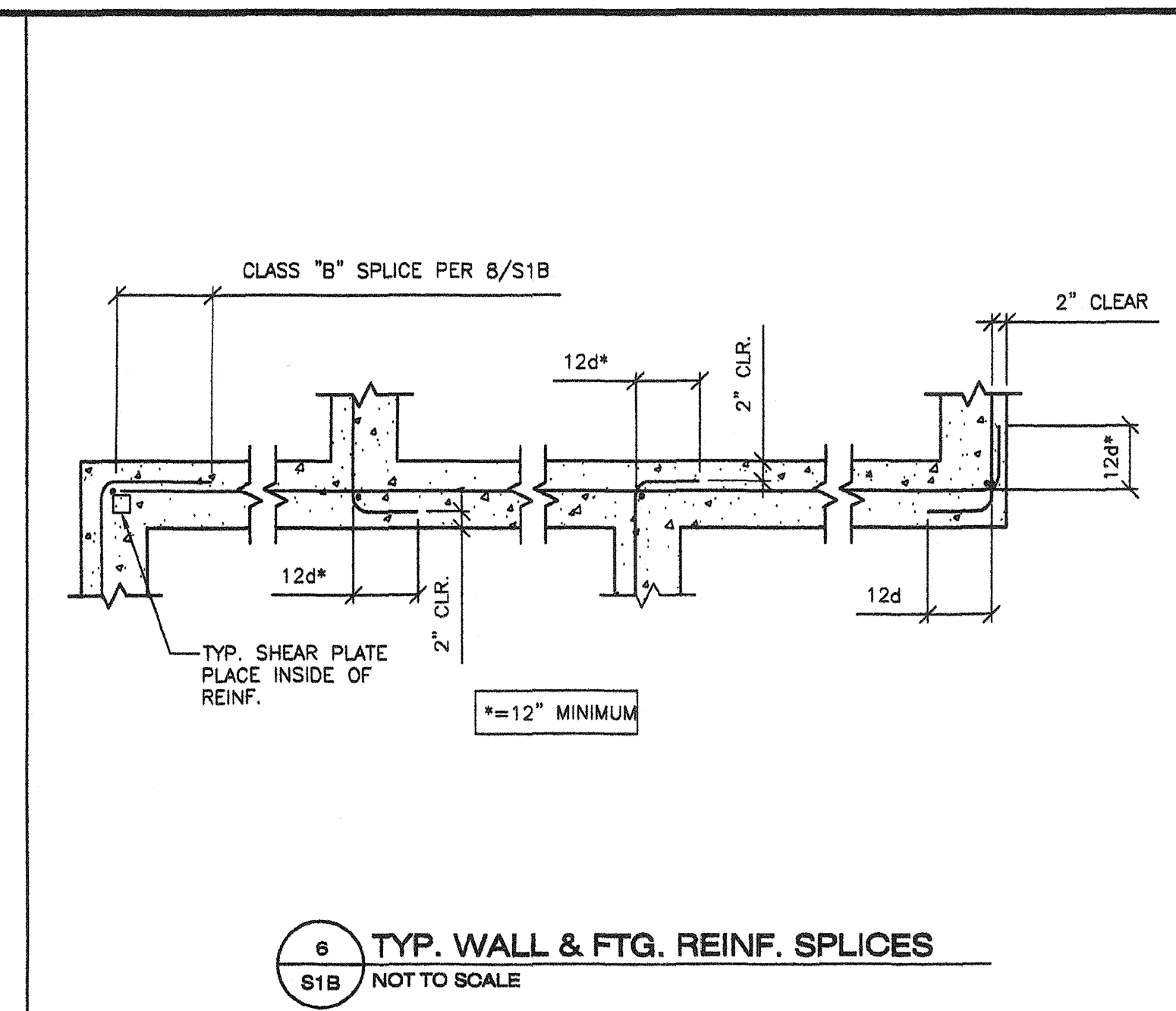
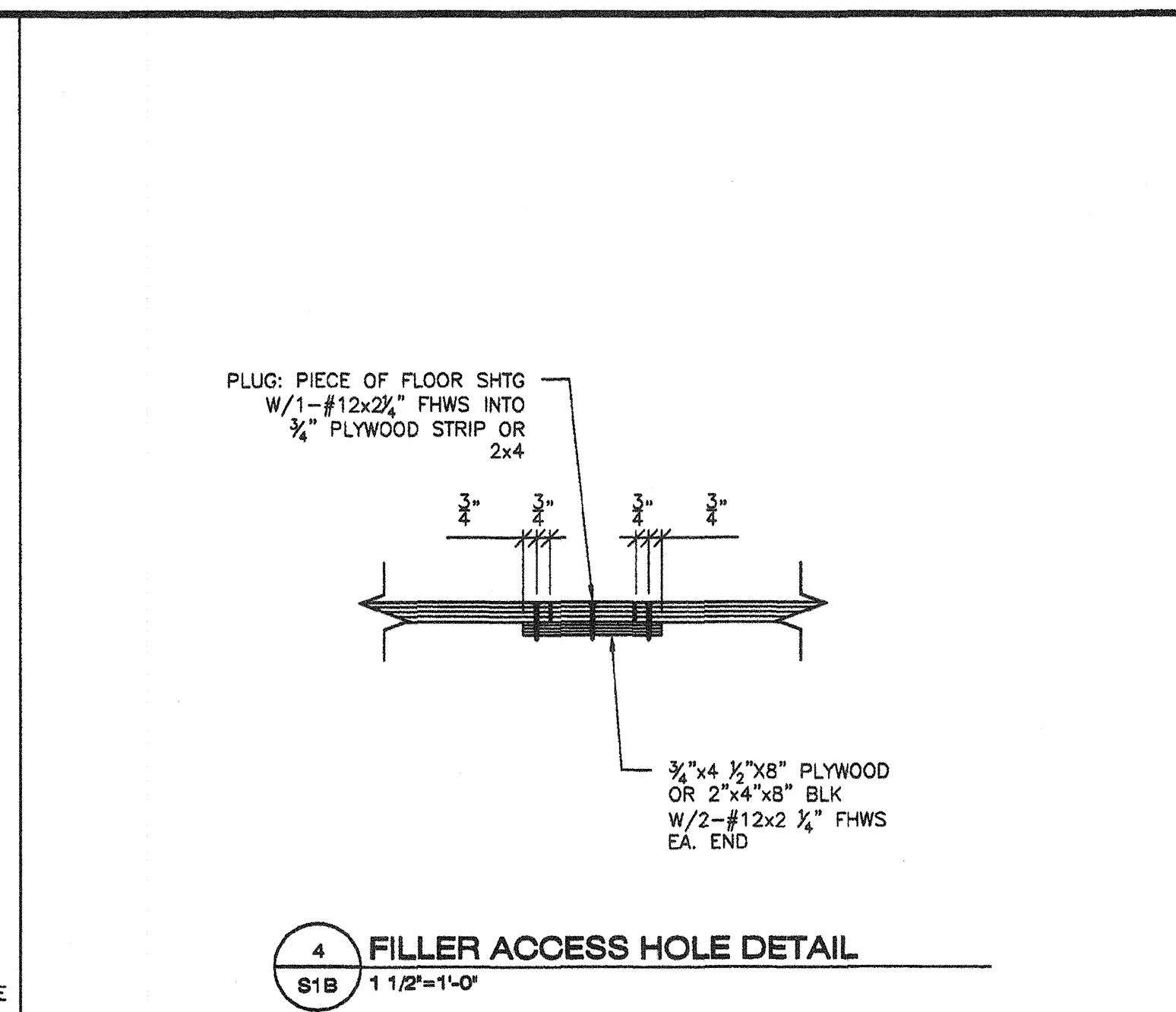
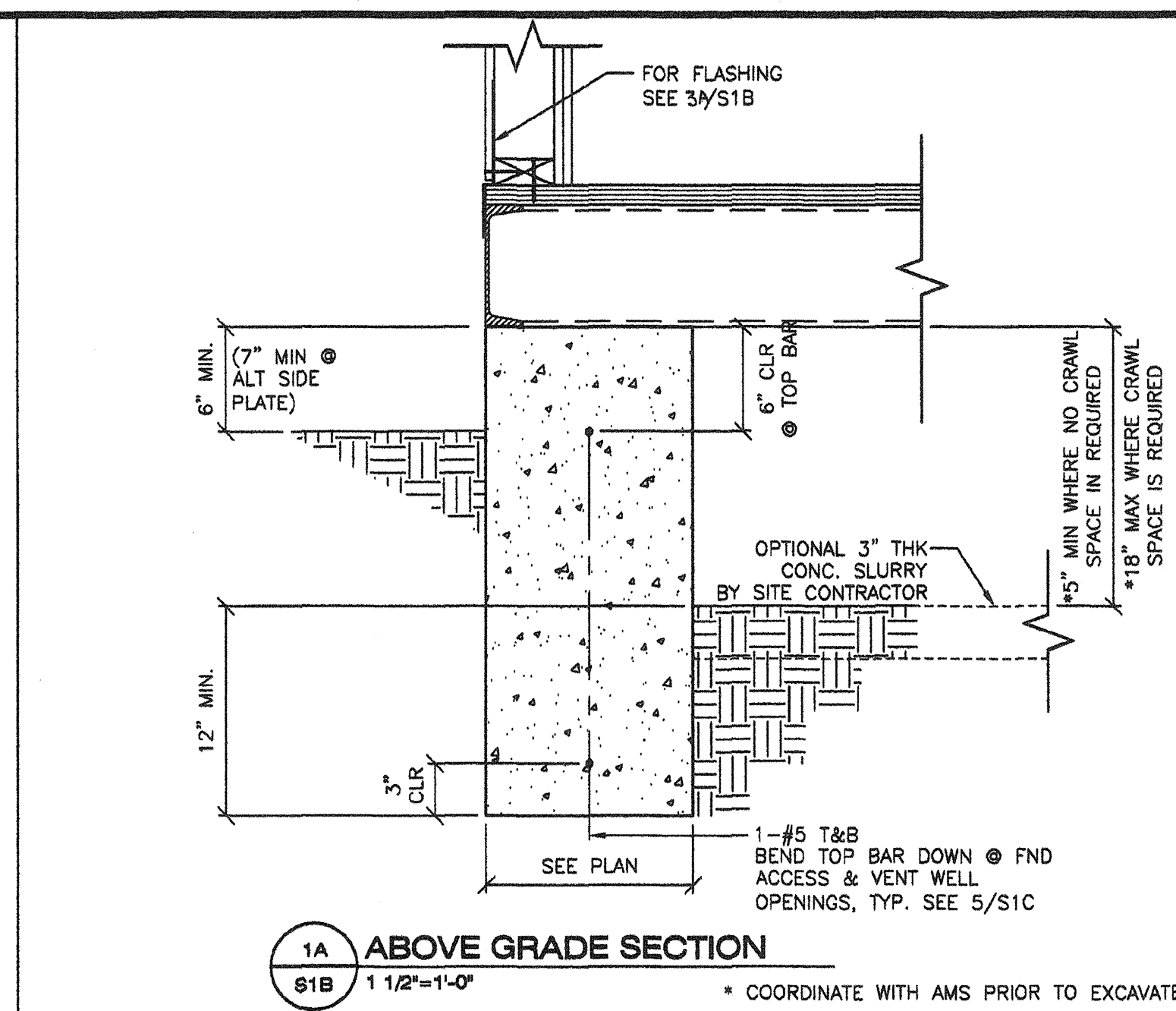
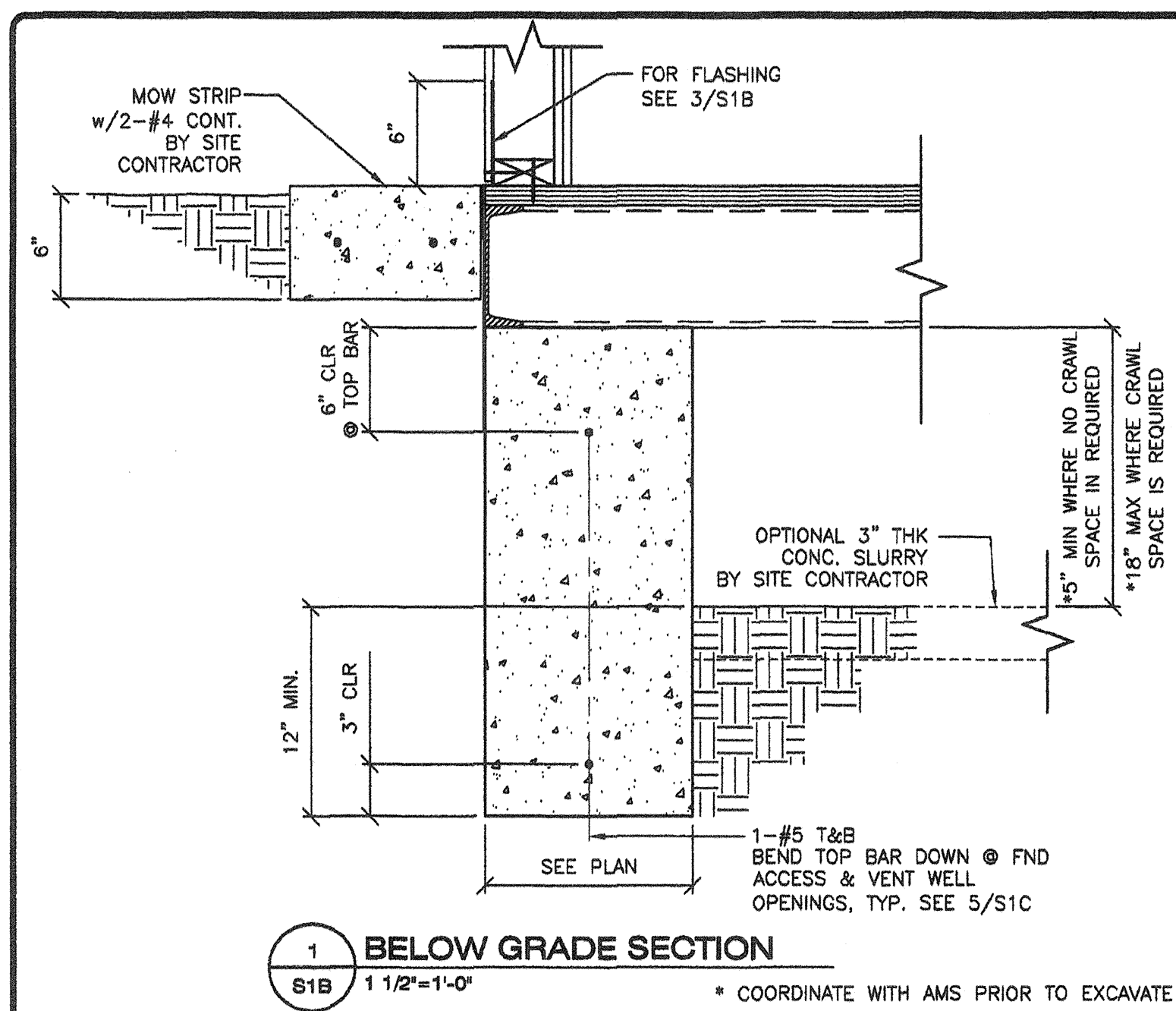
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 Kenneth A. Luttrell
 No. 1418
 Exp. 3-31-11
 Structural Engineer
 STATE OF CALIFORNIA

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 C3 118549
 AC 4
 DATE 9-2-2010

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 PC 02-109808
 AC FLS SS
 DATE 9/1/09

PROJECT NO.
S1A-R

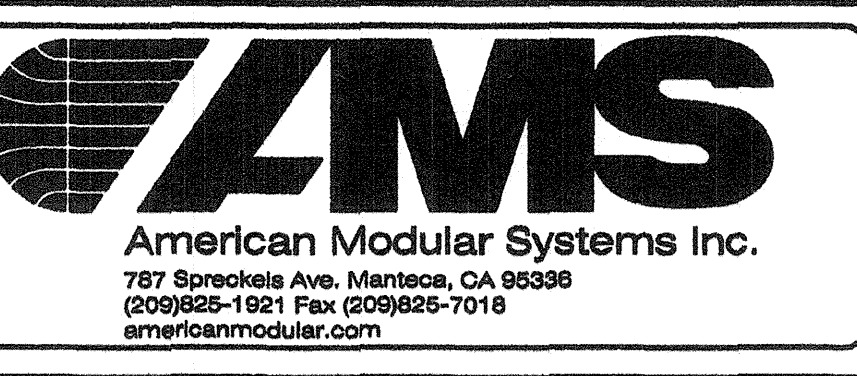
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REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/21/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
**12' x 40' RELOCATABLE BUILDINGS
CONCRETE FOUNDATION DETAILS**

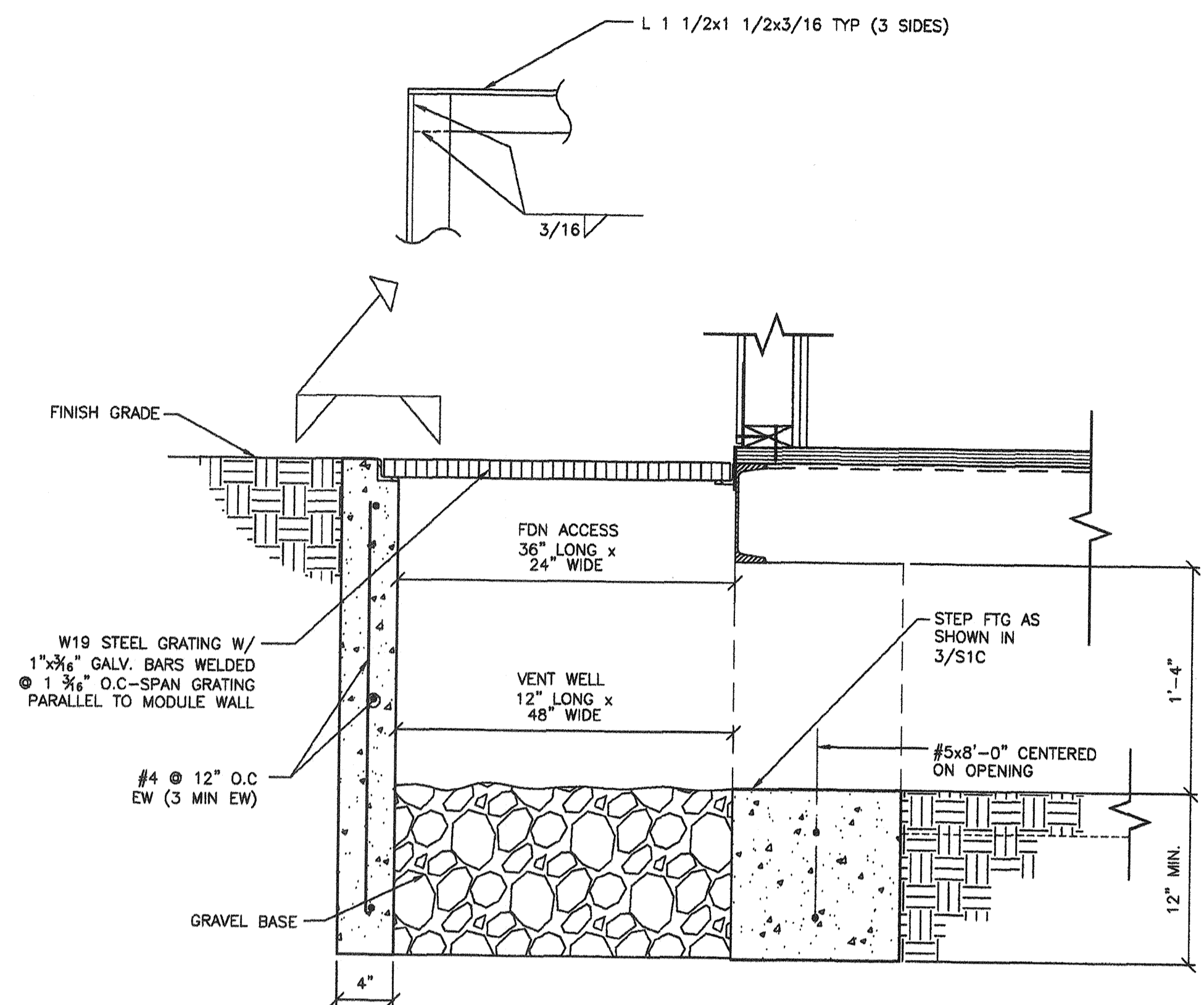


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REGISTRED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-11
Structural Engineer

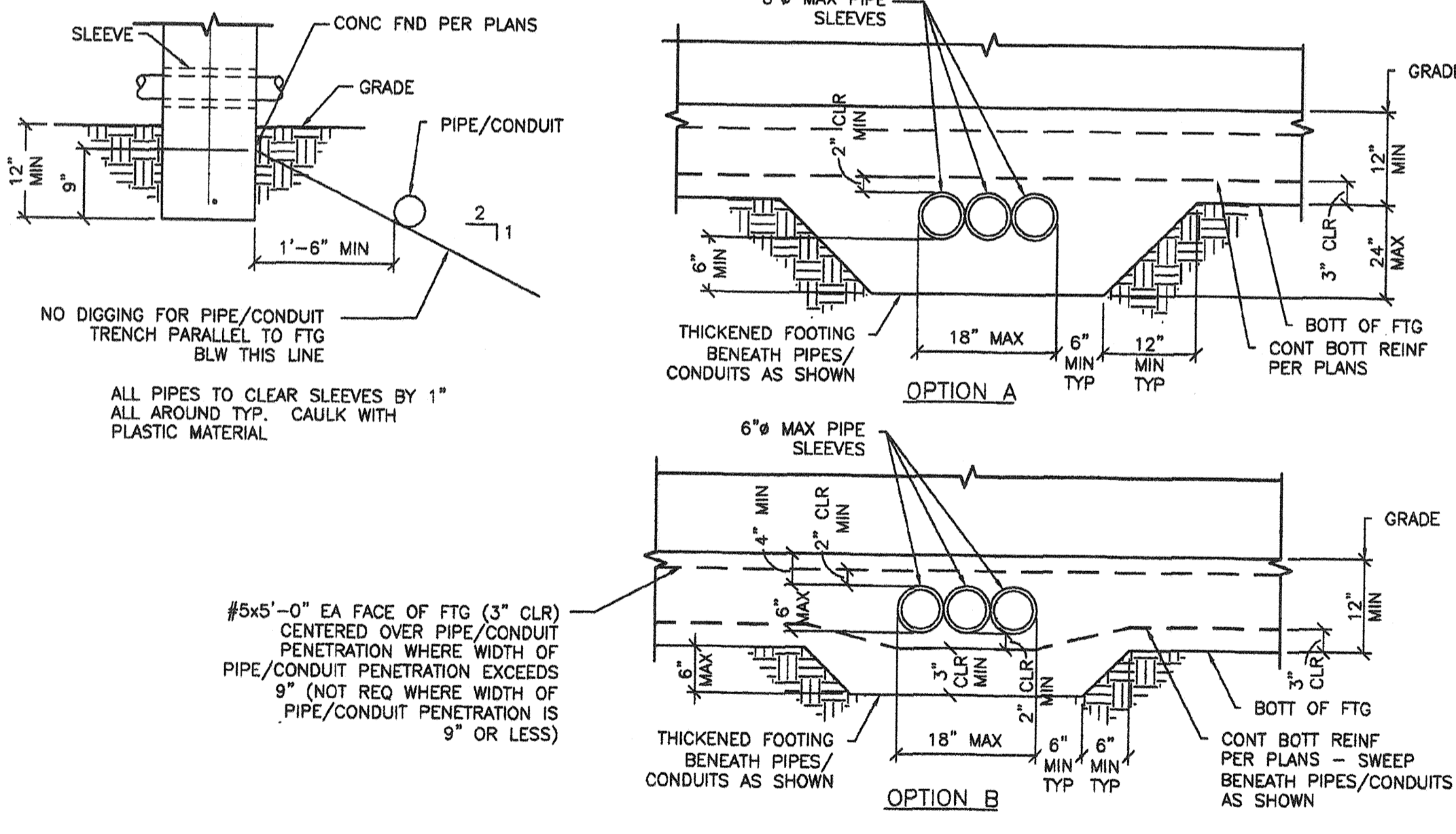
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OFFICE OF REGULATION SERVICES
PC 02-109808
AC: FLS SS 2/11
DATE: 9-2-2010
S1B-R

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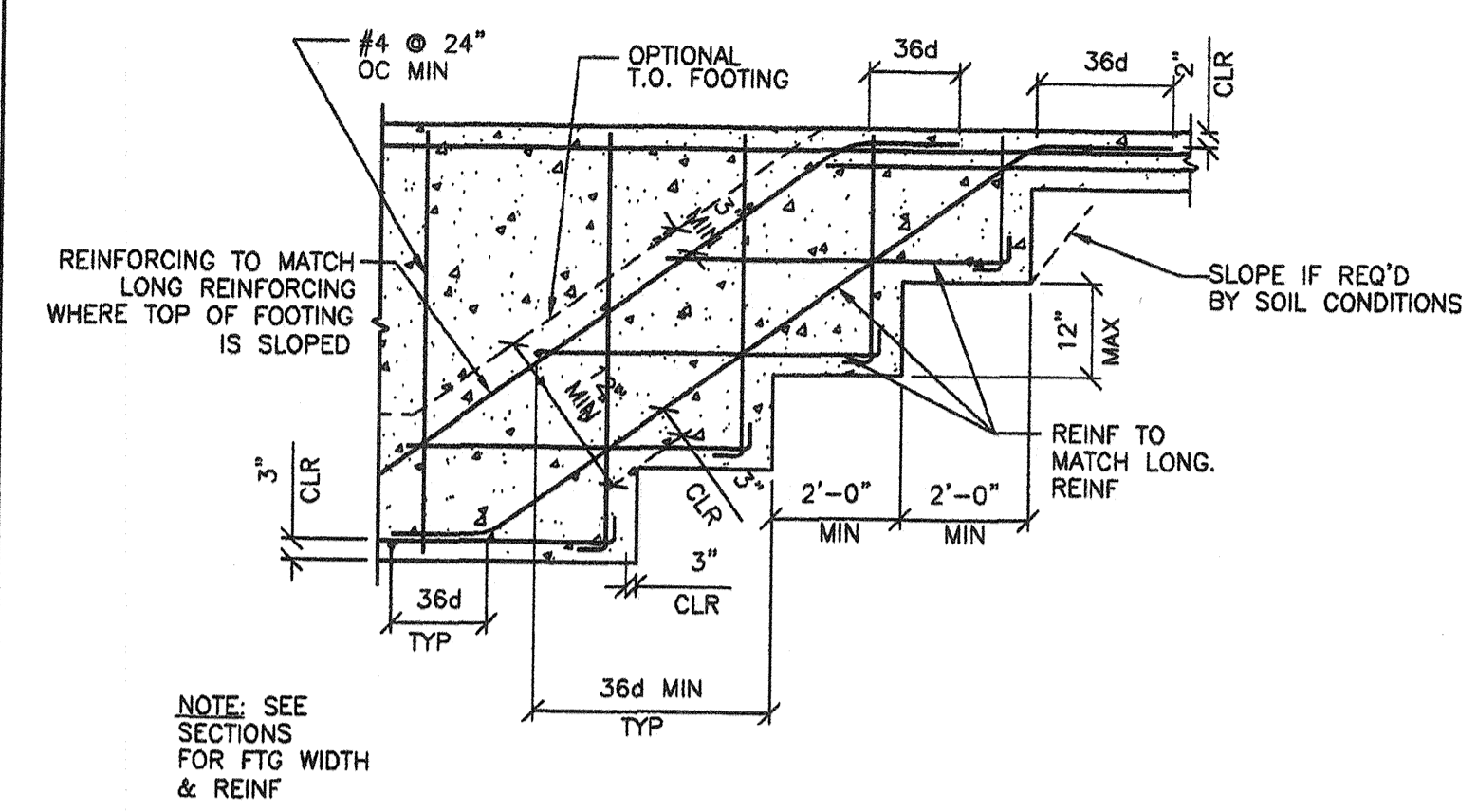


1 OPTIONAL FOUNDATION ACCESS/VENT WELL
S1C 1 1/2"=1'-0"

- NOTES:
- AS AN OPTION TO INDIVIDUAL PIPE SLEEVES THE FOOTING MAY BE BLOCKED OUT FOR MULTIPLE PIPES (8" HIGH x 18" WIDE MAX @ OPTION "A", 6" HIGH x 18" WIDE MAX @ OPTION "B") PROVIDE 1" MIN CLEARANCE ALL AROUND BTWN PIPES/CONDUITS & BLOCKOUT/SLEEVES & FILL W/ CAULK.
 - CONCRETE SHALL BE WELL CONSOLIDATED AROUND & UNDER PIPES, CONDUITS, SLEEVES, BLOCKOUTS TO PREVENT CONCRETE VOIDS.
 - PROVIDE 2" CLEAR MIN BETWEEN BLOCKOUT/SLEEVES AND REINFORCEMENT.
 - WHERE TOP OF PIPES/CONDUITS ARE 12" OR MORE BELOW THE BOTTOM OF THE FOOTING, THICKENED FOOTING AROUND PIPES/CONDUITS IS NOT REQUIRED. BACKFILL & COMPACT TO 95% OVER PIPES/CONDUITS PRIOR TO PLACING FOOTING.



2 PIPE SLEEVE DETAIL
S1C 1 1/2"=1'-0"

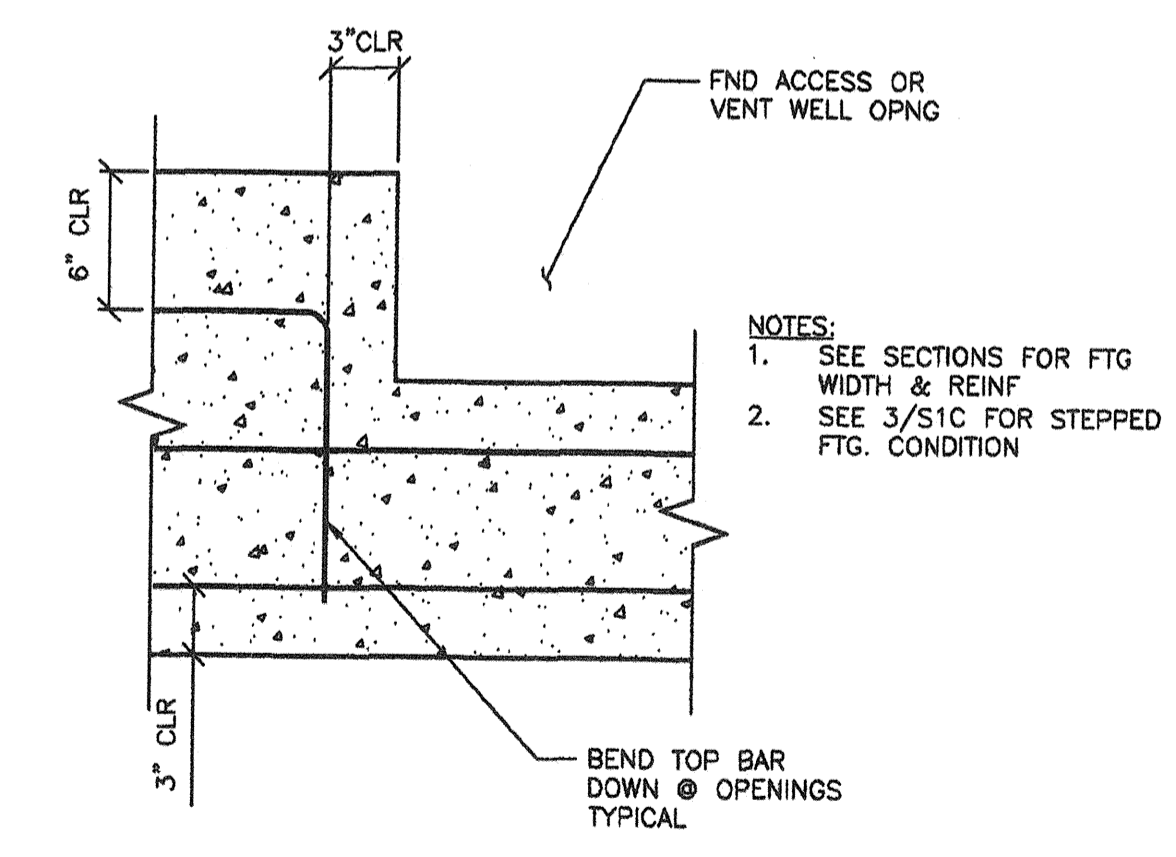


3 TYPICAL STEPPED FOOTING
S1C N.T.S.

ANCHOR TYPE	HILTI KWIK KB-TZ ICC ESR-1917			SIMPSON STRONG-BOLT ICC ESR-1771		
	1/2"Ø	5/8"Ø	3/4"Ø	1/2"Ø	5/8"Ø	3/4"Ø
ANCHOR SIZE (IN)	1/2"	5/8"	3/4"	1/2"	5/8"	3/4"
MIN EMBED (IN)	4"	4 3/4"	5 3/4"	3 7/8"	5 1/8"	5 3/4"
TENSION TEST LBS (SINGLE BOLT)	5121#	8040#	7917#	3826#	6732#	5454#
TENSION TEST LBS (DOUBLE BOLT)	5121#	6174#	5889#	3826#	5102#	4122#
INSTALLATION TORQUE (FT-LB)	40	60	110	50	85	180

- TENSION TEST - 2 x ALLOWABLE TENSION LOAD PER DSA IR 19-1.
- NORMAL WEIGHT CONCRETE WITH $f'_c = 2500$ PSI TO COMPLY WITH 1916A.4 FOR MATERIAL TEST WAIVER.
- MINIMUM EDGE DISTANCE REQUIRED 6"

4 ANCHOR BOLT SCHEDULE
S1C N.T.S.



5 VENT/ACCESS VENT OPENING DETAIL
S1C 1 1/2"=1'-0"

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/21/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
**12' x 40' RELOCATABLE BUILDINGS
CONCRETE FOUNDATION DETAILS**



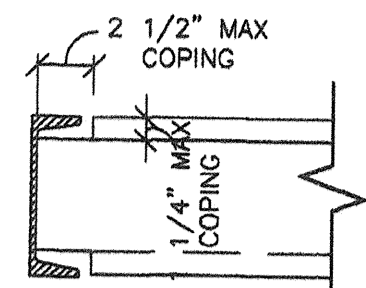
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Structural Engineer
STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
CS 113549
AC FLS SS
DATE 9-2-2010

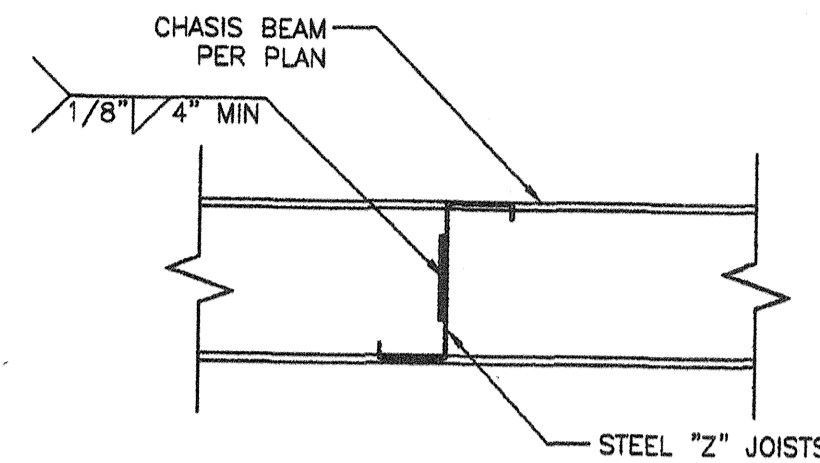
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OFFICE OF REGULATION SERVICES
PC 02-109808
AC FLS SS
DATE 4/10/09

PROJECT NO.
S1C

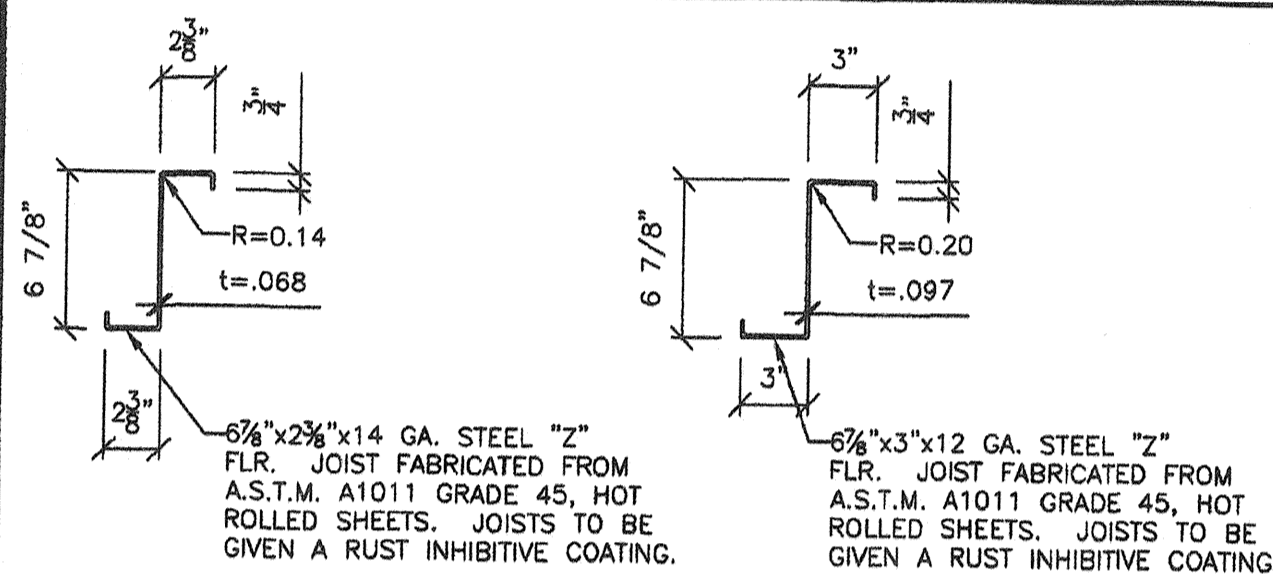
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TYP FLOOR JOIST COPING



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



14 GA. JOIST

12 GA. JOIST

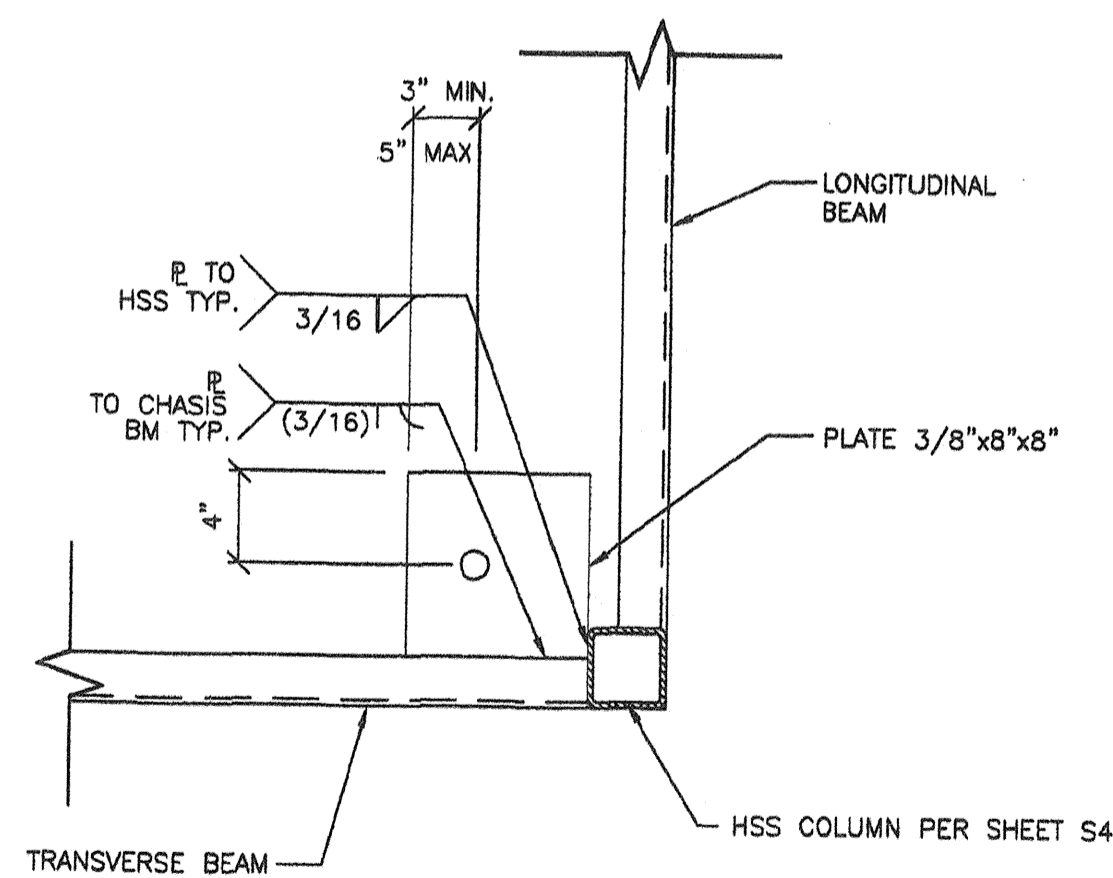
Z SECTION PROPERTIES

A=0.89 IN.²
Sx=1.85 IN.³
Ix=6.37 IN.⁴

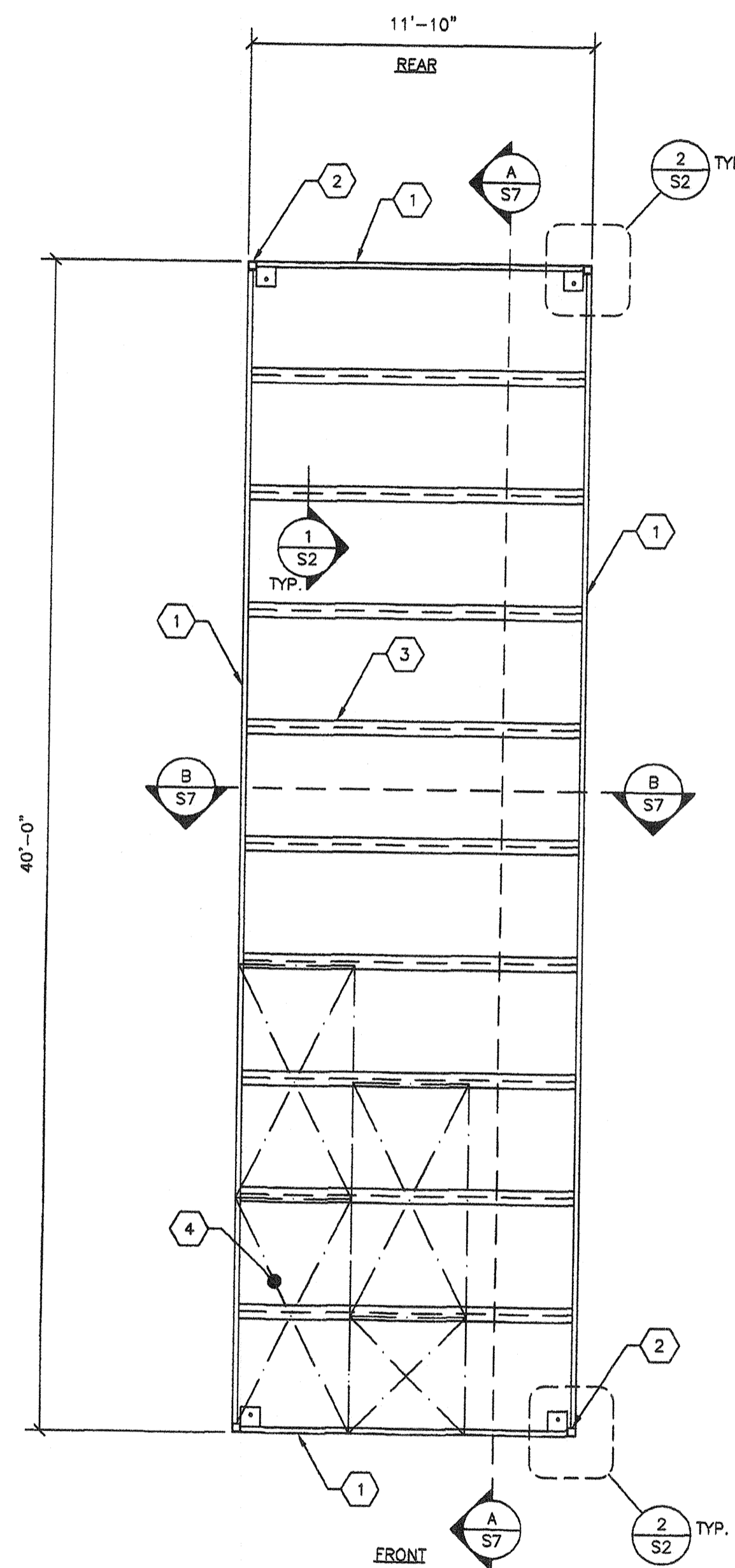
Z SECTION PROPERTIES

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

1A TYP. Z-JOISTS
S2 1 1/2"=1'-0"



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



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

- KEY NOTES -

- 1 C 7x9.8 FLOOR BEAM FOR 50 PSF + 15 PSF ALTERNATE C10x15.3 C9x13.4 FOR 125 PSF
- 2 HSS COLUMN PER SHEET S4
- 3 FLOOR JOIST PER SCHEDULE (SEE 1A/S2)

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

- 4 1 1/8" T&G PLYWOOD FLOOR SHEETING STURDI-FLOOR 48" O.C. SPAN RATING EXP. 1 CONFORMING TO PS 1-95 OPTION: UNI-FLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PS 1-95. STAGGER SHEETS 48" O.C. AS SHOWN W/ FACE GRAIN NORMAL TO FLOOR JOISTS. FASTENING: BOUNDARY OF EA. MODULE: #12x2 1/4" WOOD TEK CHANNEL @ 6" O.C. PANEL EDGES: ET&F 0.144"x2" MIN. POWER DRIVEN PINS @ 6" O.C. FIELD: ET&F 0.144"x2" MIN. POWER DRIVEN PINS @ 10" O.C.
- NOTE: SEE ICG ER-4144 FOR ET&F BRAND PNEUMATIC PINS.

- GENERAL NOTES -

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

NO.	DATE	DESCRIPTION

DATE: 02/21/08

SCALE: NOTED

DRAWN BY: DM

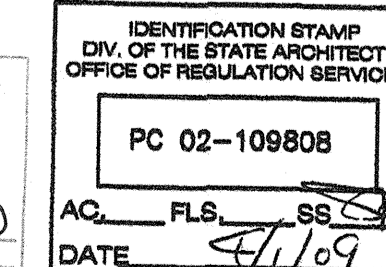
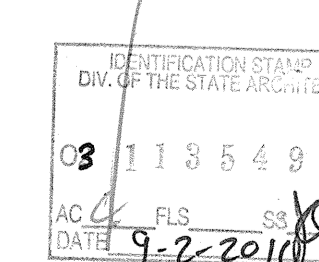
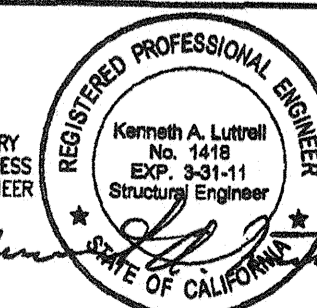
SERIAL NO.:

CUSTOMER:

12' x 40' RELOCATABLE BUILDINGS
FLOOR FRAMING PLAN & DETAILS (PLYWOOD OPTION)

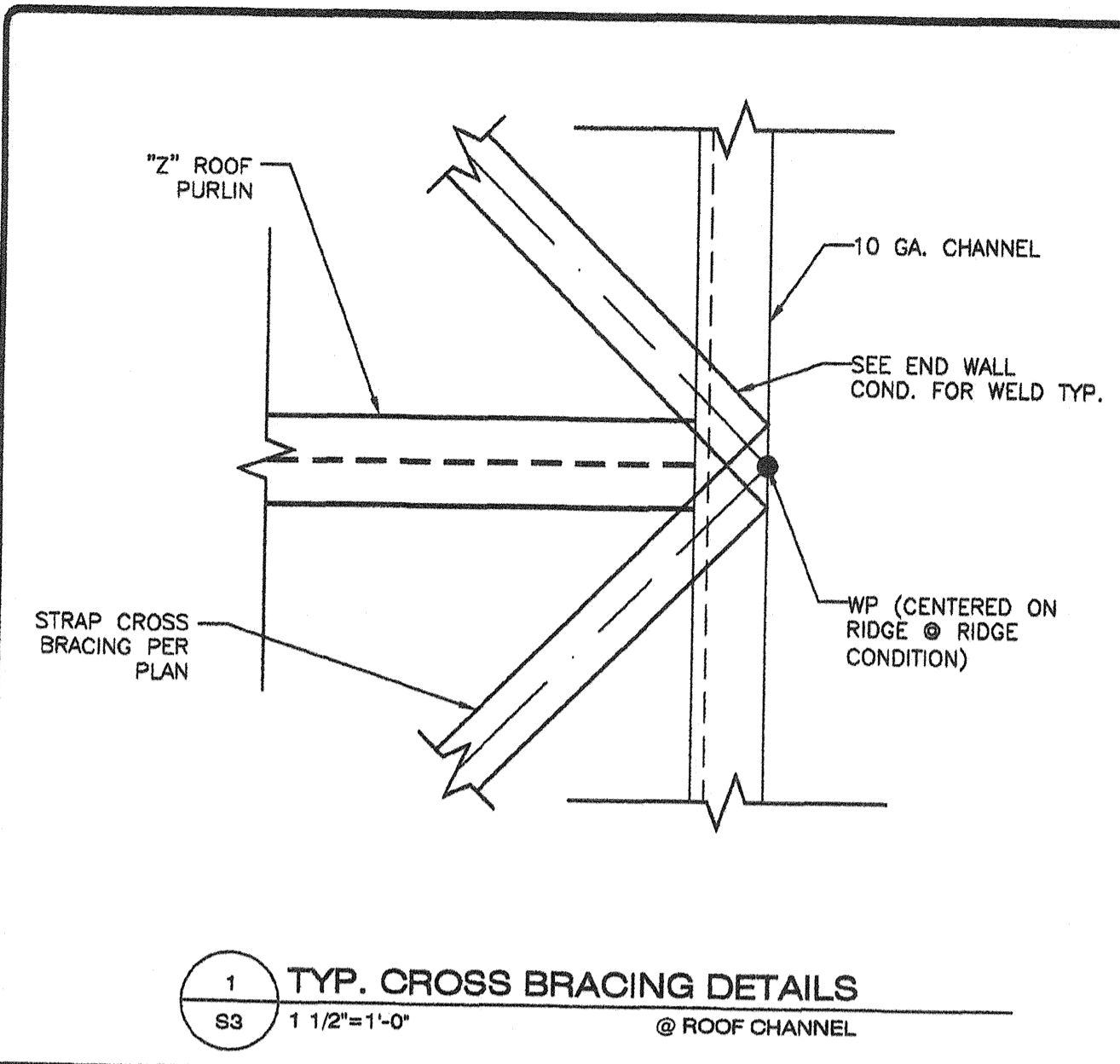
AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

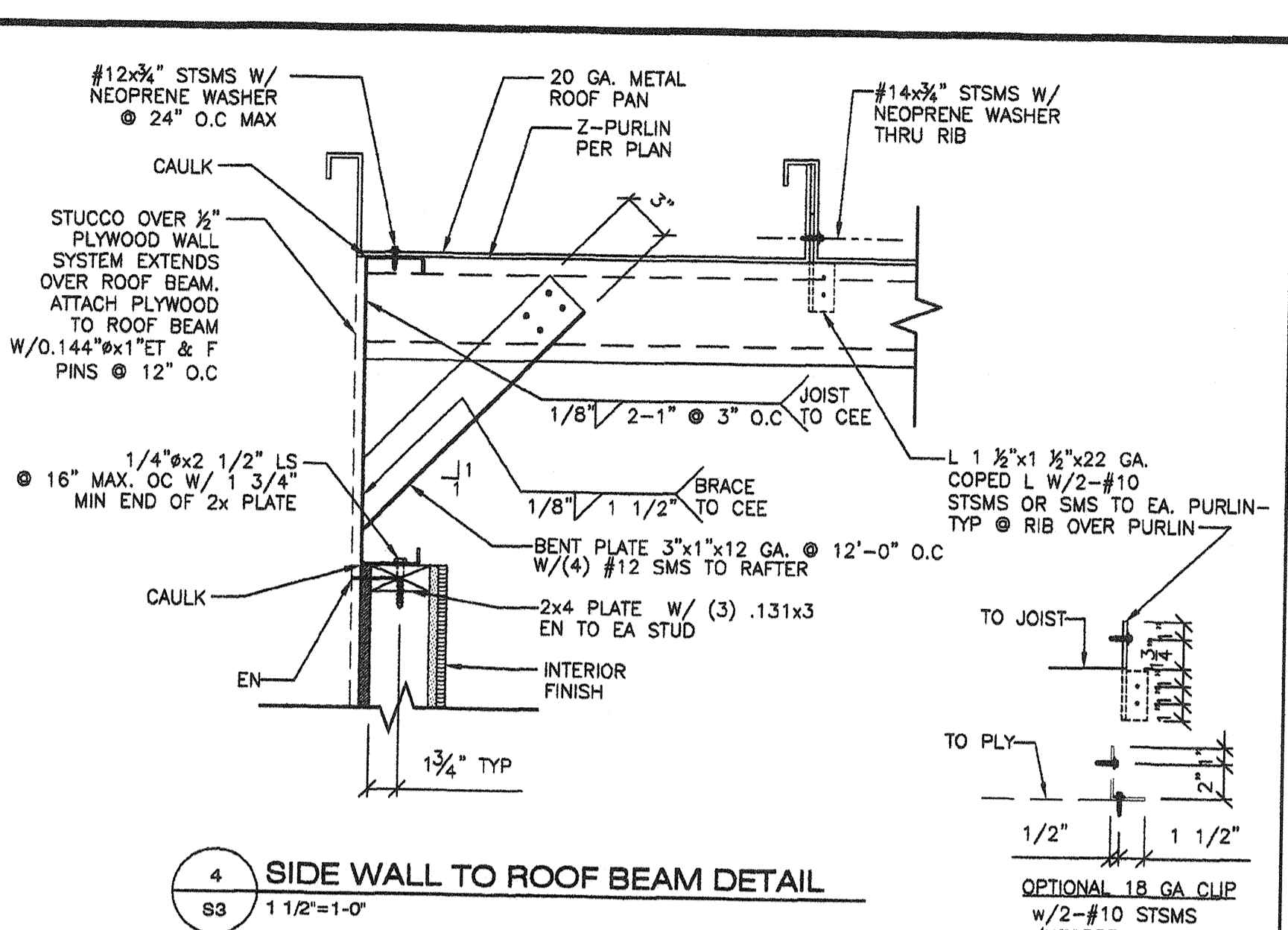


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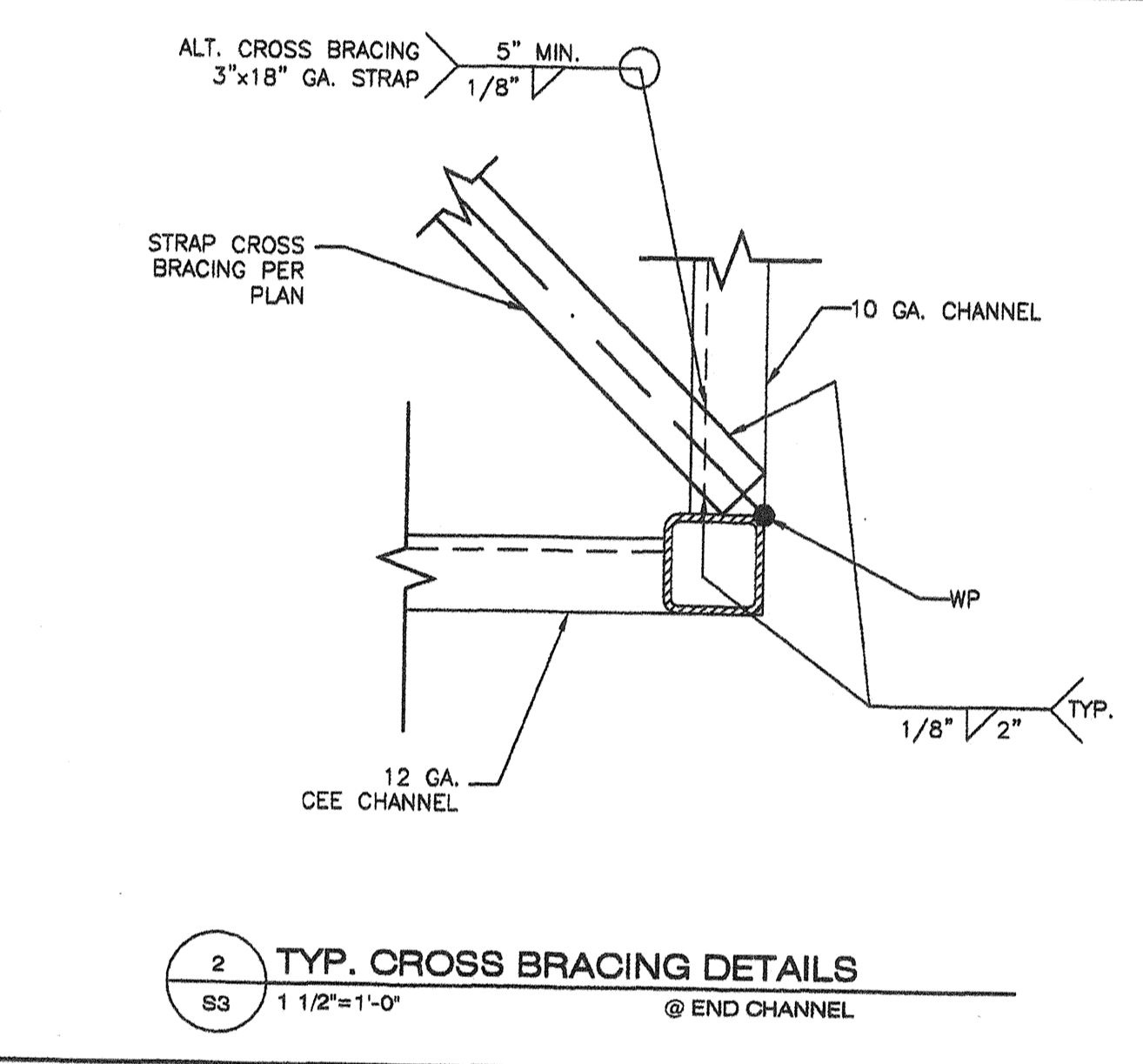
S2-R



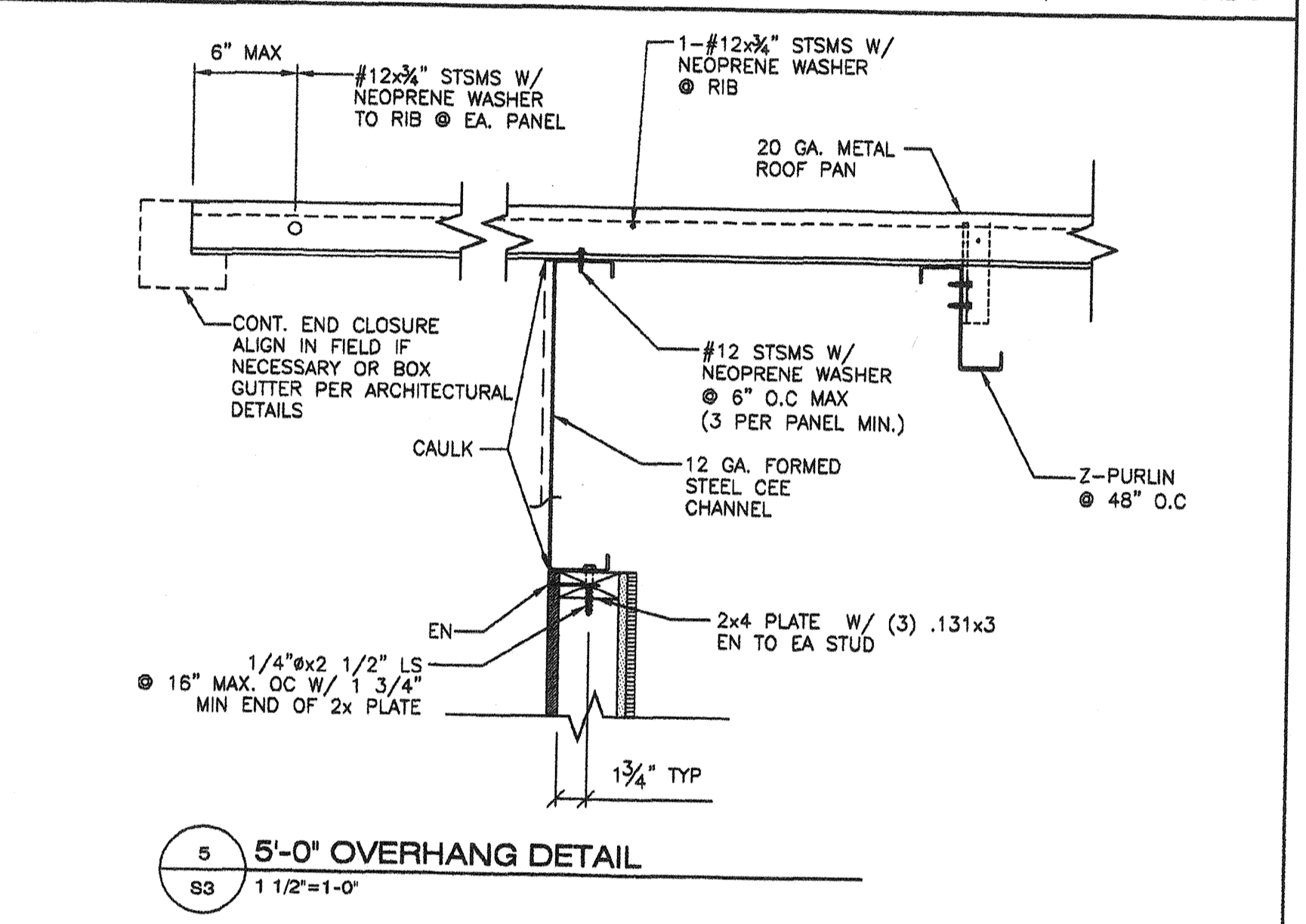
1 TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0" @ ROOF CHANNEL



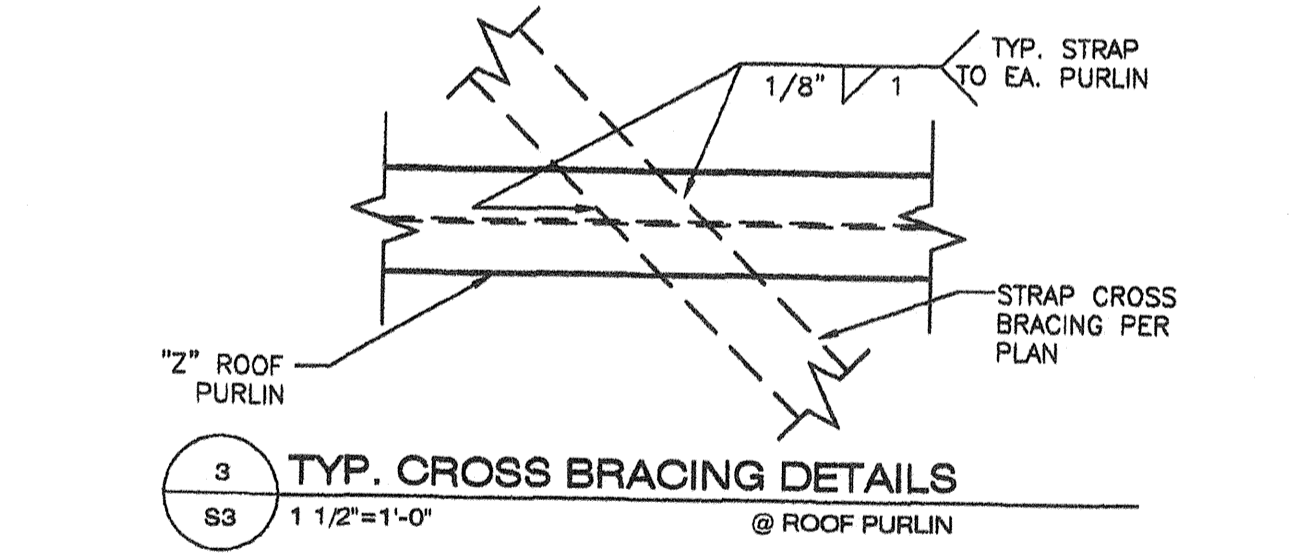
4 SIDE WALL TO ROOF BEAM DETAIL
S3 1 1/2"=1'-0"



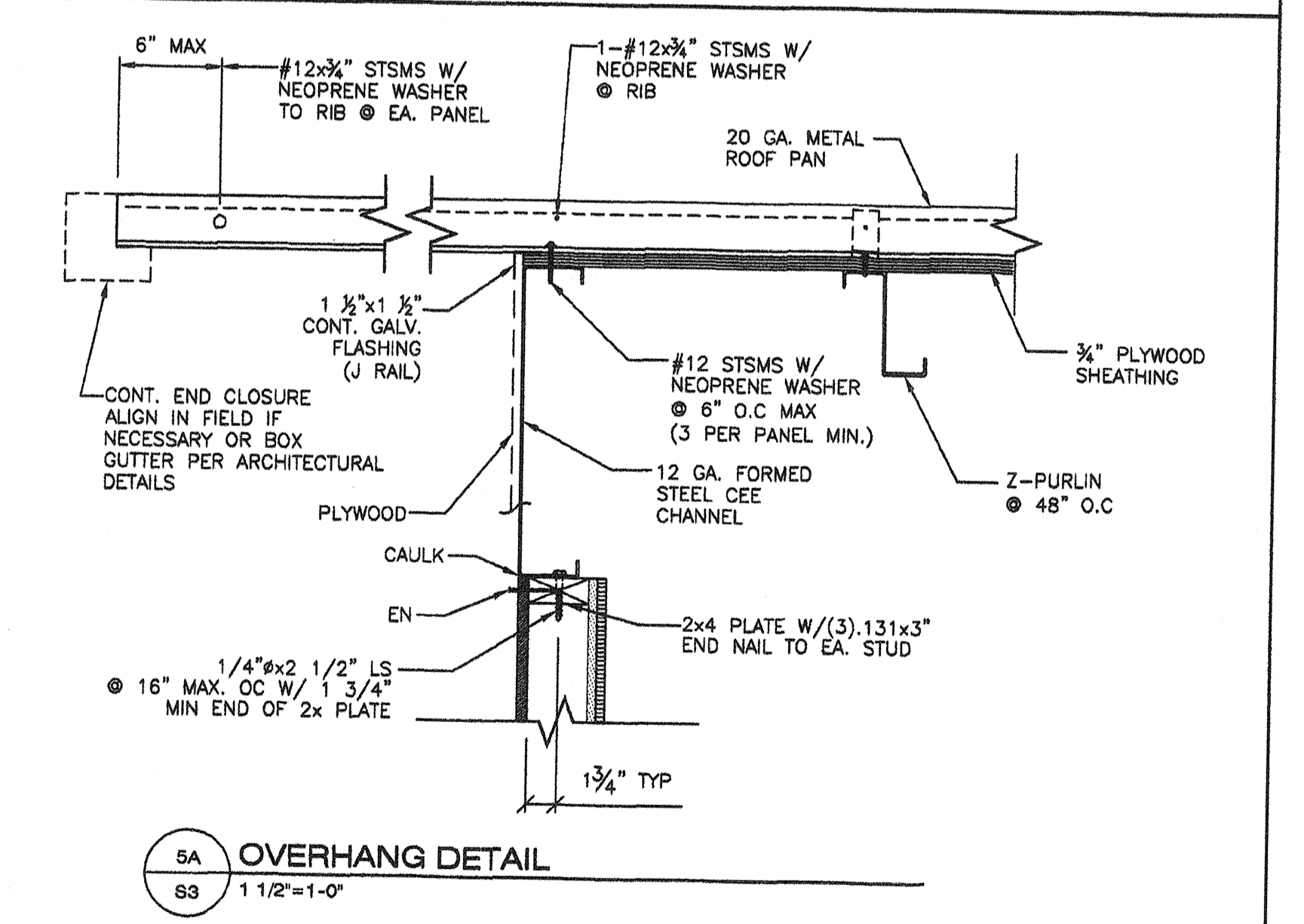
2 TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0" @ END CHANNEL



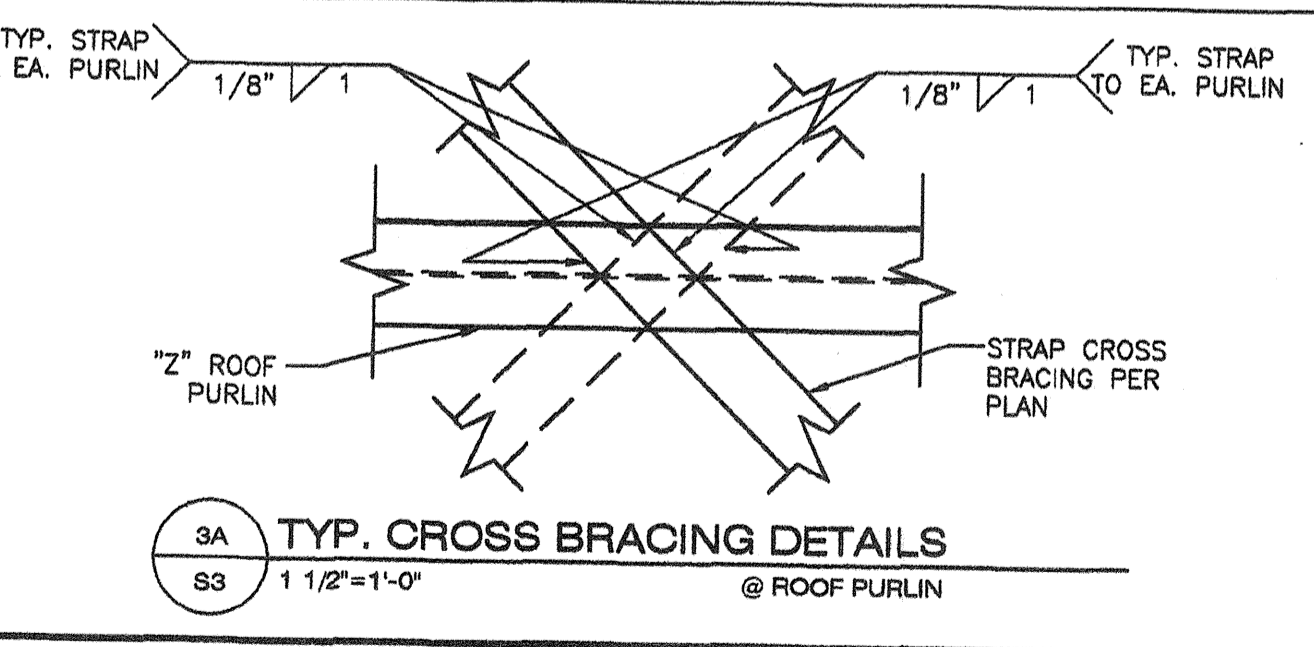
5 5'-0" OVERHANG DETAIL
S3 1 1/2"=1'-0"



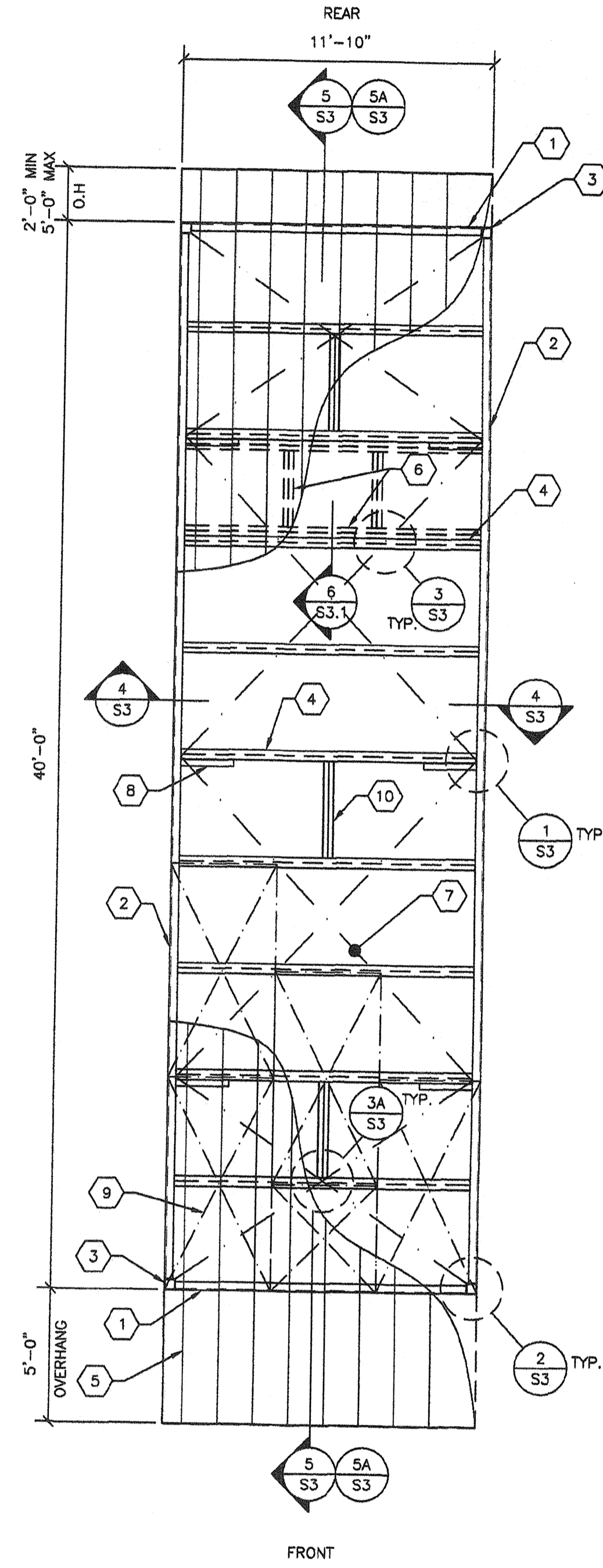
3 TYP. CROSS BRACING DETAILS
S3 1 1/2"=1'-0" @ ROOF PURLIN



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



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



A TYPICAL ROOF FRAMING LAYOUT
S3 1/4"=1'-0" (MONODUAL PITCH-OPEN SOFFIT)

- KEY NOTES -**
- 12 GA. TRANSVERSE BEAM PER 10/S3.1
 - LONGITUDINAL ROOF CHANNEL TYP. PER 9/S3.1
 - HSS COLUMN PER SHEET S4
 - Z\"/>
 - 20 GA. ROOF PAN ALTERNATE 26 GA. ROOF PAN W/ROOF PLYWOOD & ENCLOSED SOFFIT OVERHANG OPTIONS ONLY. SEE SHEET S3A FOR DETAILS
 - PROVIDE DOUBLE 6\"/>
 - 2\"/>
 - 3\"/>
 - ALTERNATE TO CROSS BRACING: 3/4\"/>
 - PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 6/S3.1 BLOCKING IS ONLY REQUIRED AT PURLINS WITH DIAGONAL BRACING PER 8 ABOVE

FASTENING SCHEDULE

NAILING	0.144 PINS SPACING		# 10 SMS SPACING	
	TYPICAL	WITHIN 3' OF BUILDING CORNERS	TYPICAL	WITHIN 3' OF BUILDING CORNERS
BOUNDARY	6" O.C.	6" O.C.	6" O.C.	6" O.C.
EDGE	6" O.C.	6" O.C.	6" O.C.	6" O.C.
FIELD	12" O.C.	6" O.C.	12" O.C.	12" O.C.

ET & F 0.144 PINS PER ICC ESR #4144

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

REVISIONS

NO	DATE	DESCRIPTION

DATE: 02/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
12' x 40' RELOCATABLE BUILDINGS
ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT OPTION)

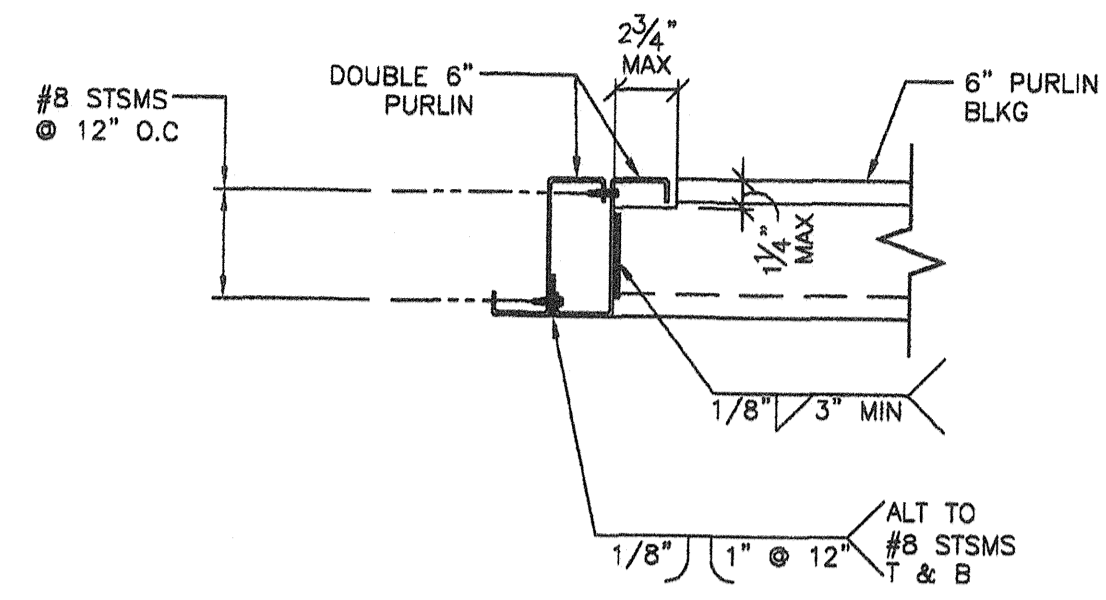


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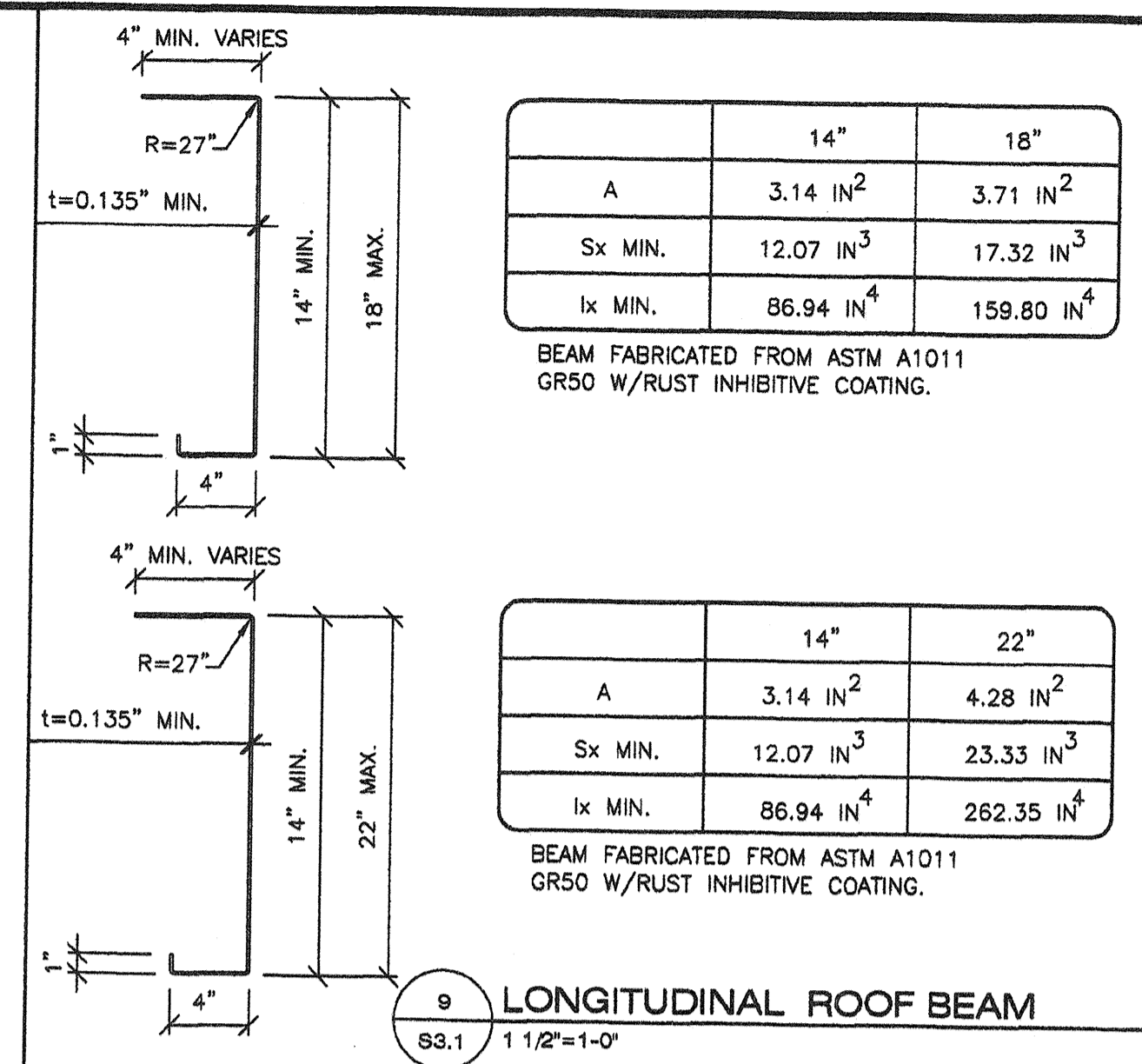
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PC 02-109808
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6 BLOCKING DETAIL
S3.1 1 1/2"=1'-0"



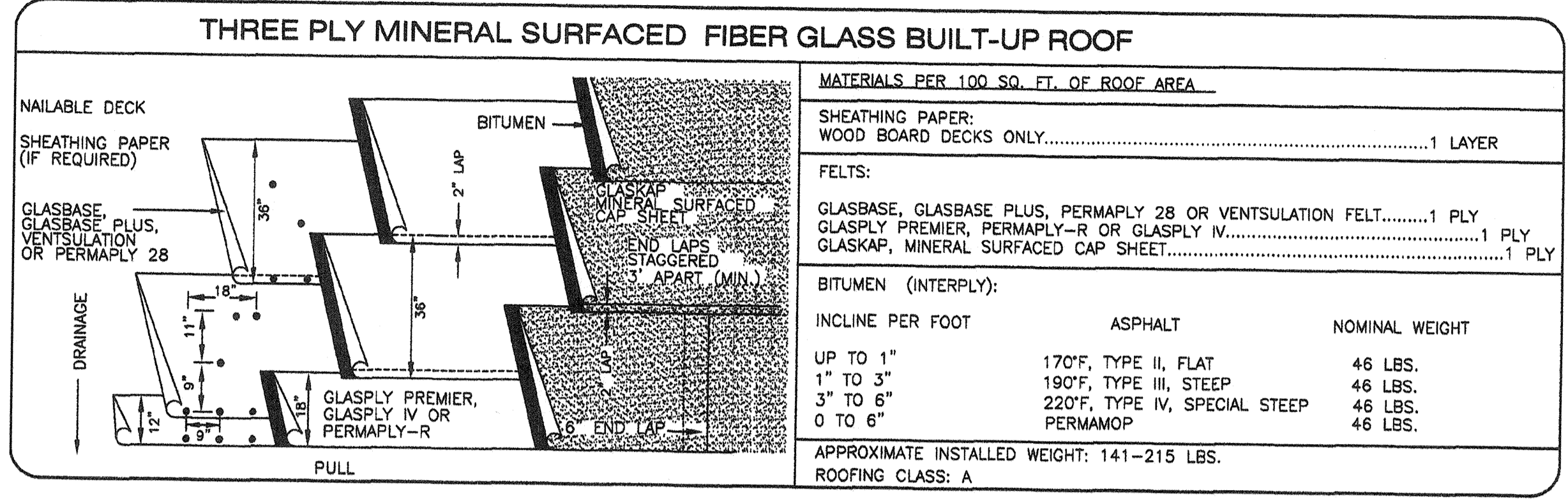
	14"	18"
A	3.14 IN ²	3.71 IN ²
Sx MIN.	12.07 IN ³	17.32 IN ³
Ix MIN.	86.94 IN ⁴	159.80 IN ⁴

BEAM FABRICATED FROM ASTM A1011 GR50 W/RUST INHIBITIVE COATING.

	14"	22"
A	3.14 IN ²	4.28 IN ²
Sx MIN.	12.07 IN ³	23.33 IN ³
Ix MIN.	86.94 IN ⁴	262.35 IN ⁴

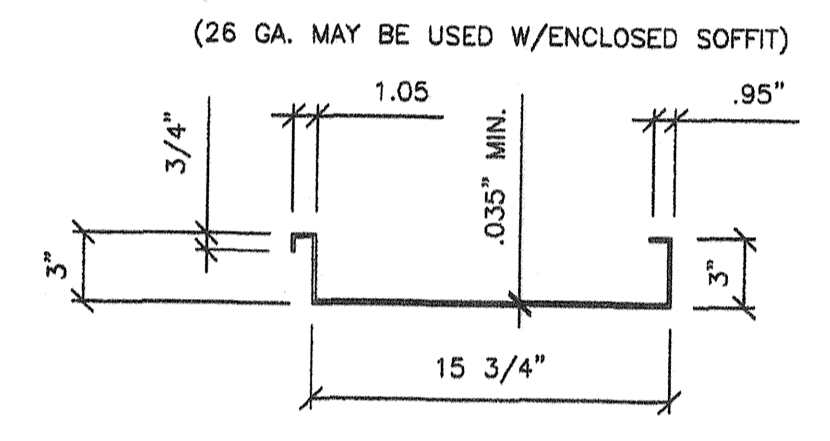
BEAM FABRICATED FROM ASTM A1011 GR50 W/RUST INHIBITIVE COATING.

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



MATERIALS PER 100 SQ. FT. OF ROOF AREA		
SHEATHING PAPER: WOOD BOARD DECKS ONLY.....1 LAYER		
FELTS:		
GLASBASE, GLASBASE PLUS, PERMAPLY 28 OR VENTILATION FELT.....1 PLY		
GLASPLY PREMIER, PERMAPLY-R OR GLASPLY IV.....1 PLY		
GLASKAP, MINERAL SURFACED CAP SHEET.....1 PLY		
BITUMEN (INTERPLY):		
INCLINE PER FOOT	ASPHALT	NOMINAL WEIGHT
UP TO 1"	170°F, TYPE II, FLAT	46 LBS.
1" TO 3"	190°F, TYPE III, STEEP	46 LBS.
3" TO 6"	220°F, TYPE IV, SPECIAL STEEP	46 LBS.
0 TO 6"	PERMAPLO	46 LBS.
APPROXIMATE INSTALLED WEIGHT: 141-215 LBS.		
ROOFING CLASS: A		

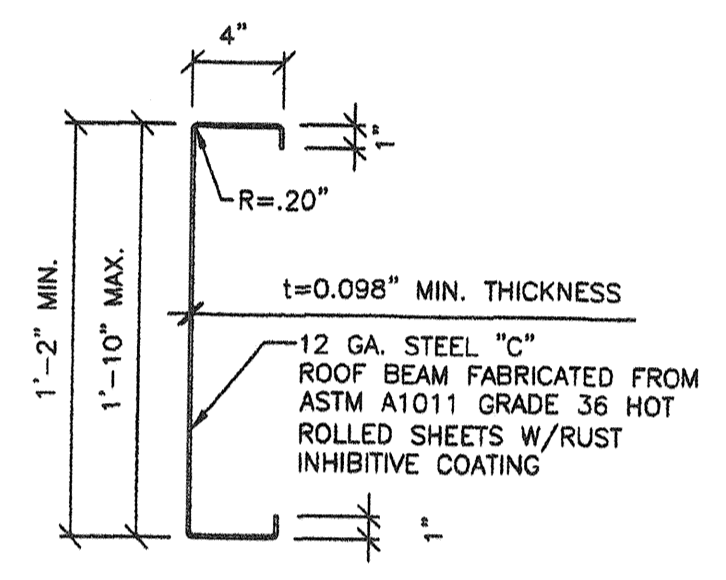
12 THREE PLY MINERAL BUILT-UP ROOF
S3.1 1 1/2"=1'-0"



$S_x(t) = 0.418 \text{ IN}^3$
 $S_x(b) = 1.412 \text{ IN}^3$
 $I_x = 0.968 \text{ IN}^4$

PAN FABRICATED FROM ASTM A1011 GRADE 36, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.

7 20 GA. ROOF PAN
S3.1 1 1/2"=1'-0"



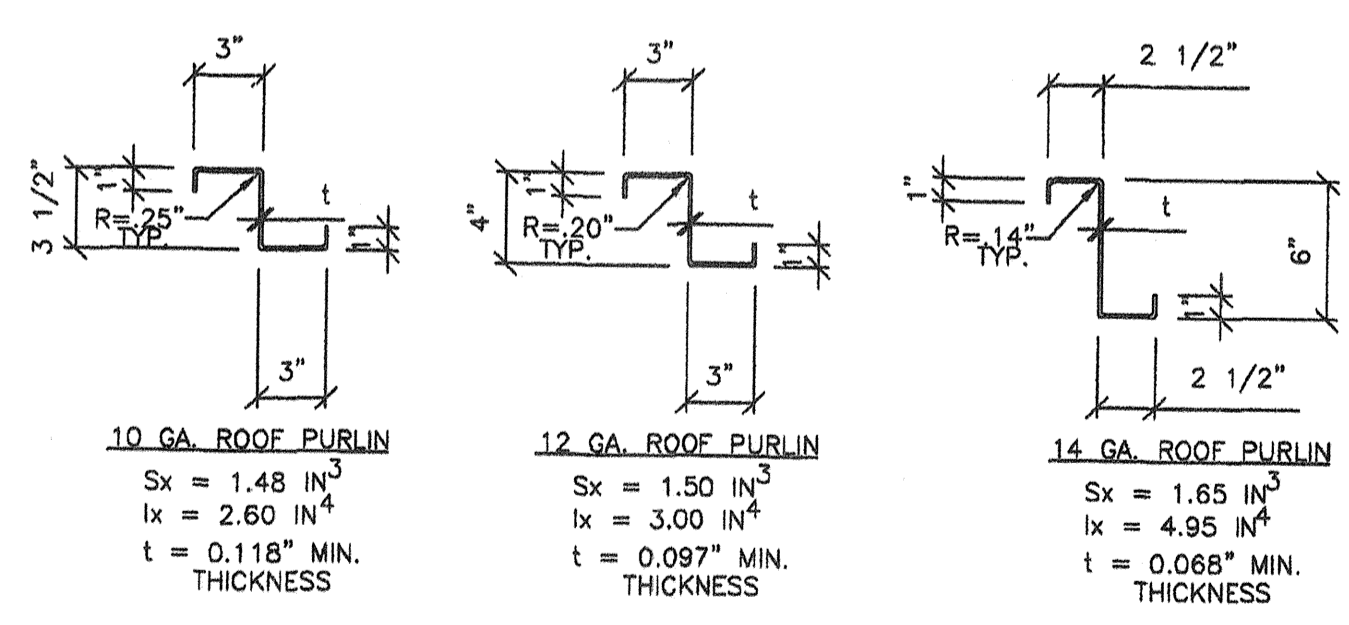
TYPICAL SECTION

C SECTION PROPERTIES	
D	= 1'-2"
A	= 2.36 IN ²
Sx	= 9.57 IN ³
Ix	= 67.02 IN ⁴

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

- GENERAL NOTES -

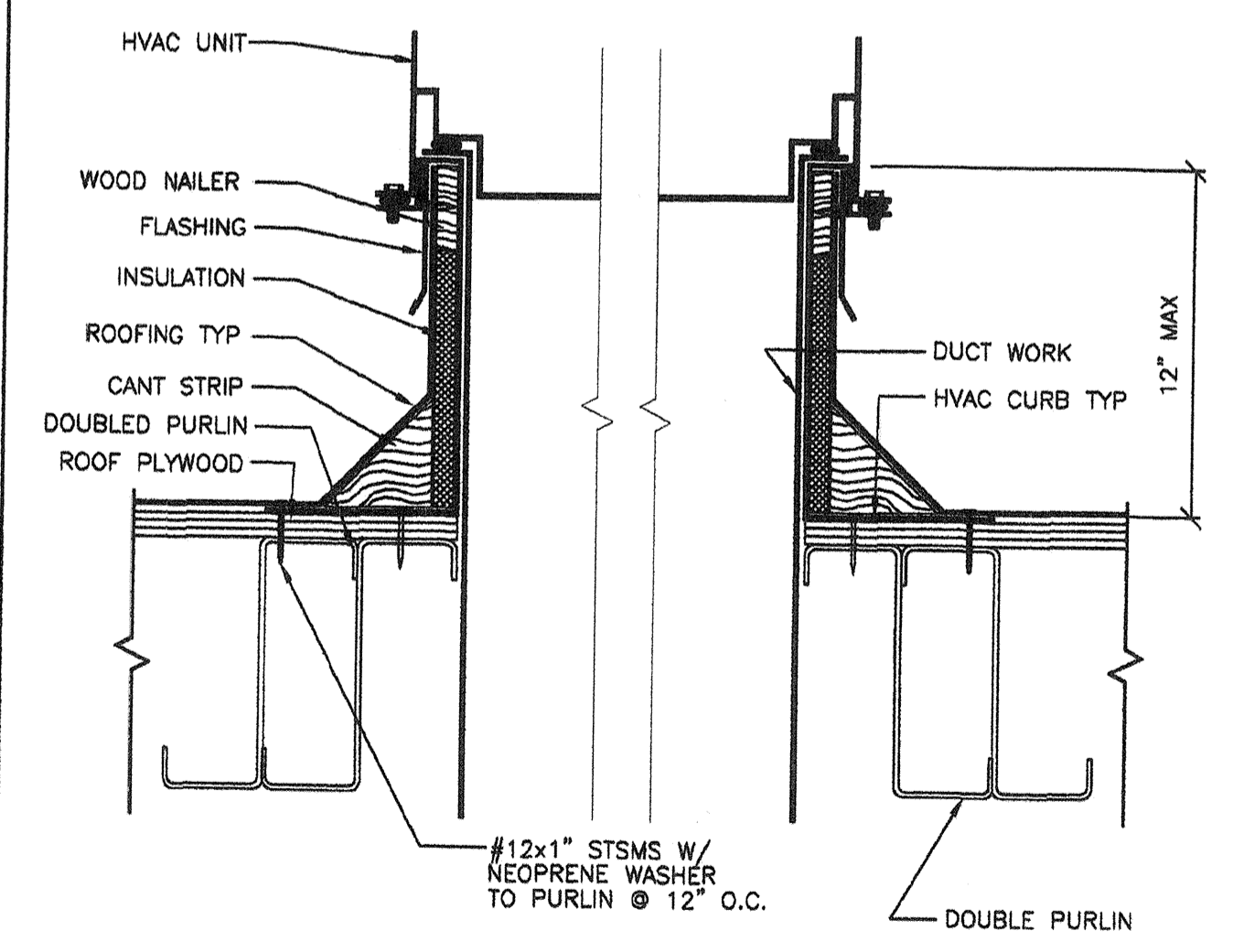
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10 GA. ROOF PURLIN	12 GA. ROOF PURLIN	14 GA. ROOF PURLIN
$S_x = 1.48 \text{ IN}^3$	$S_x = 1.50 \text{ IN}^3$	$S_x = 1.65 \text{ IN}^3$
$I_x = 2.60 \text{ IN}^4$	$I_x = 3.00 \text{ IN}^4$	$I_x = 4.95 \text{ IN}^4$
$t = 0.118 \text{ MIN. THICKNESS}$	$t = 0.097 \text{ MIN. THICKNESS}$	$t = 0.068 \text{ MIN. THICKNESS}$

JOIST FABRICATED FROM ASTM A1011 GRADE 36, HOT ROLLED SHEETS, JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

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



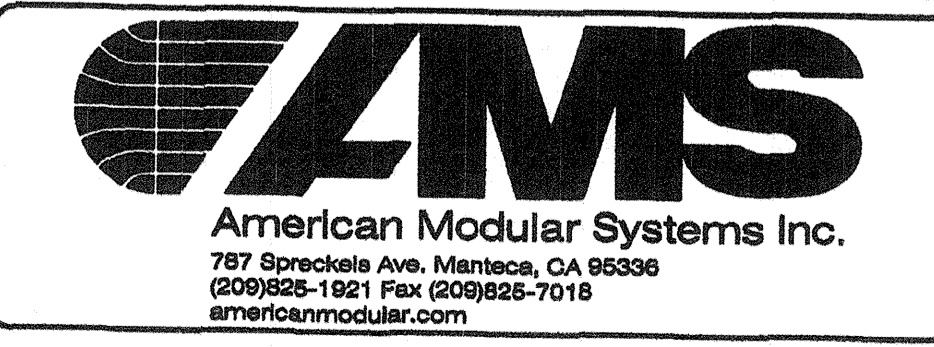
11 HVAC CURB DETAIL ANCHORAGE
S3.1 3"=1'-0"

NO	DATE	DESCRIPTION

DATE: 02/25/08
 SCALE: NOTED
 DRAWN BY: DM
 SERIAL NO.:

CUSTOMER:

12 x 40' RELOCATABLE BUILDINGS
ROOF FRAMING DETAILS



APPROVALS:

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Kenneth A. Lutz
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OFFICE OF REGULATION SERVICES

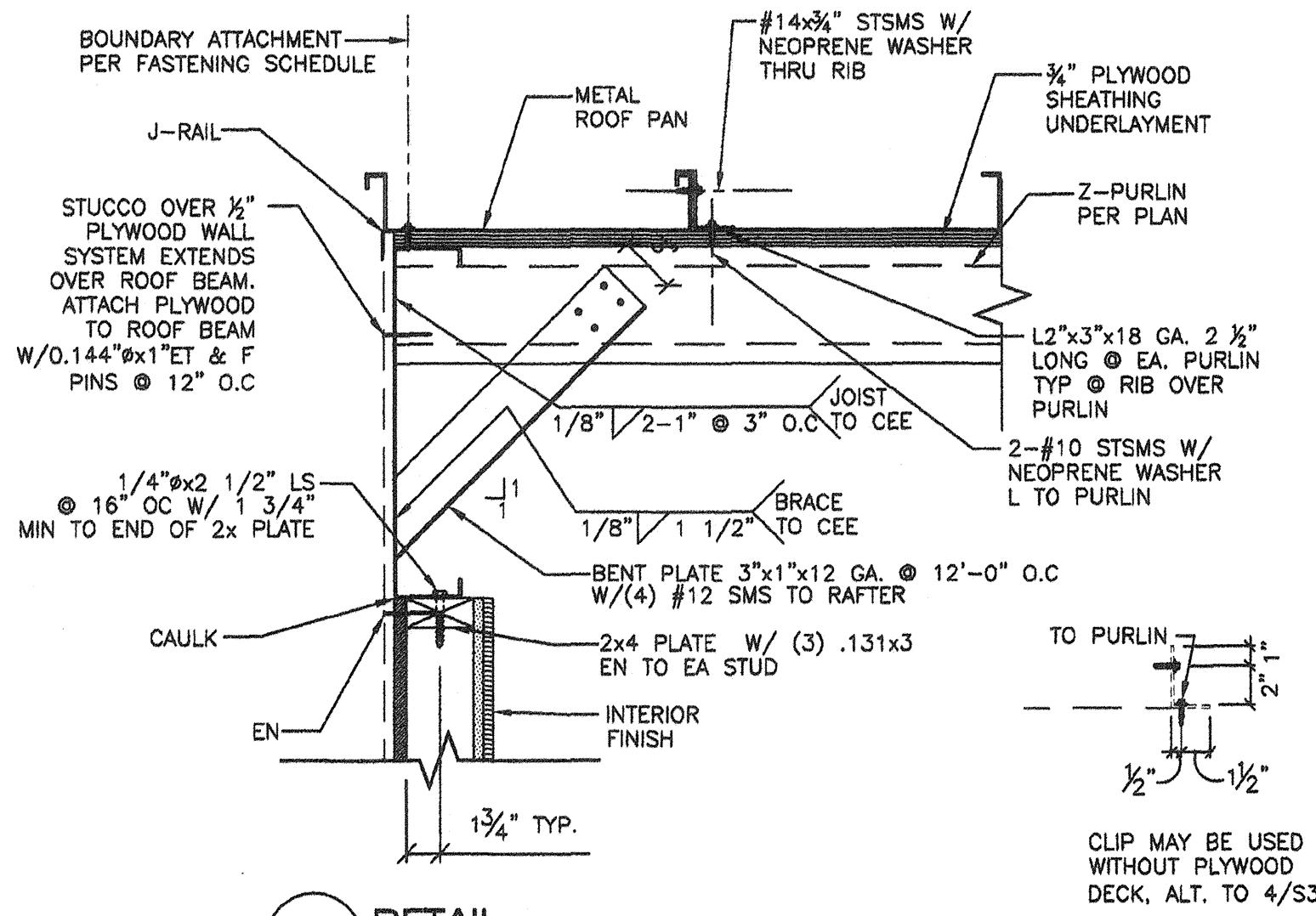
18549
AC-FLS-SS
DATE: 9-2-2010

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

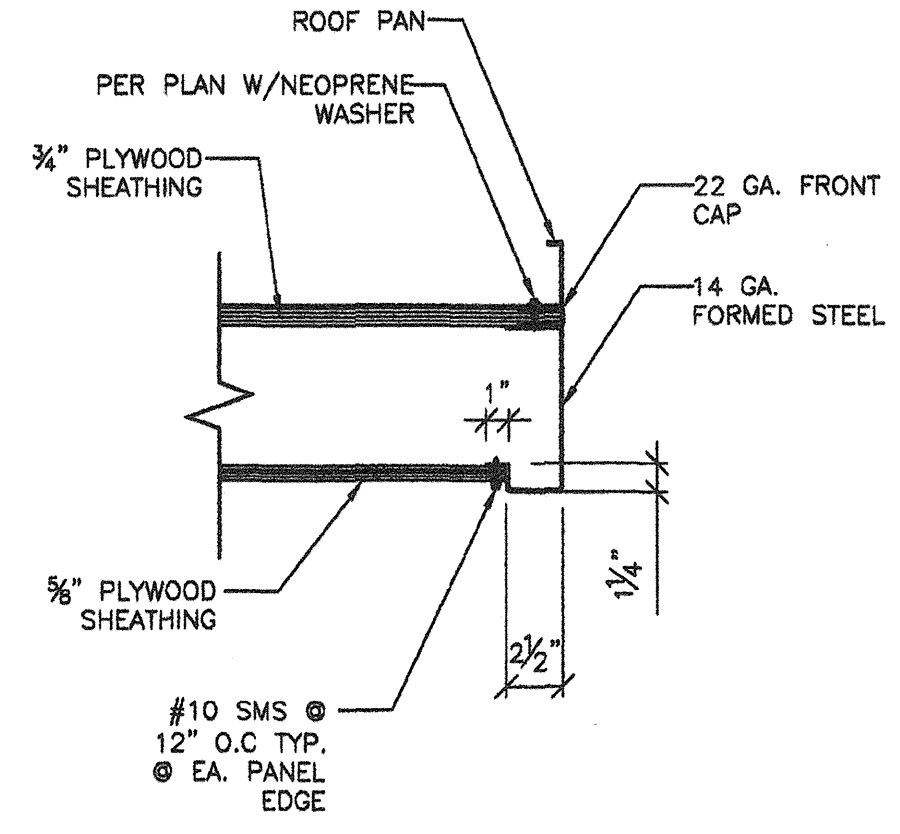
PC 02-109808
AC-FLS-SS
DATE: 4/1/09

PROJECT No.
S3.1-R

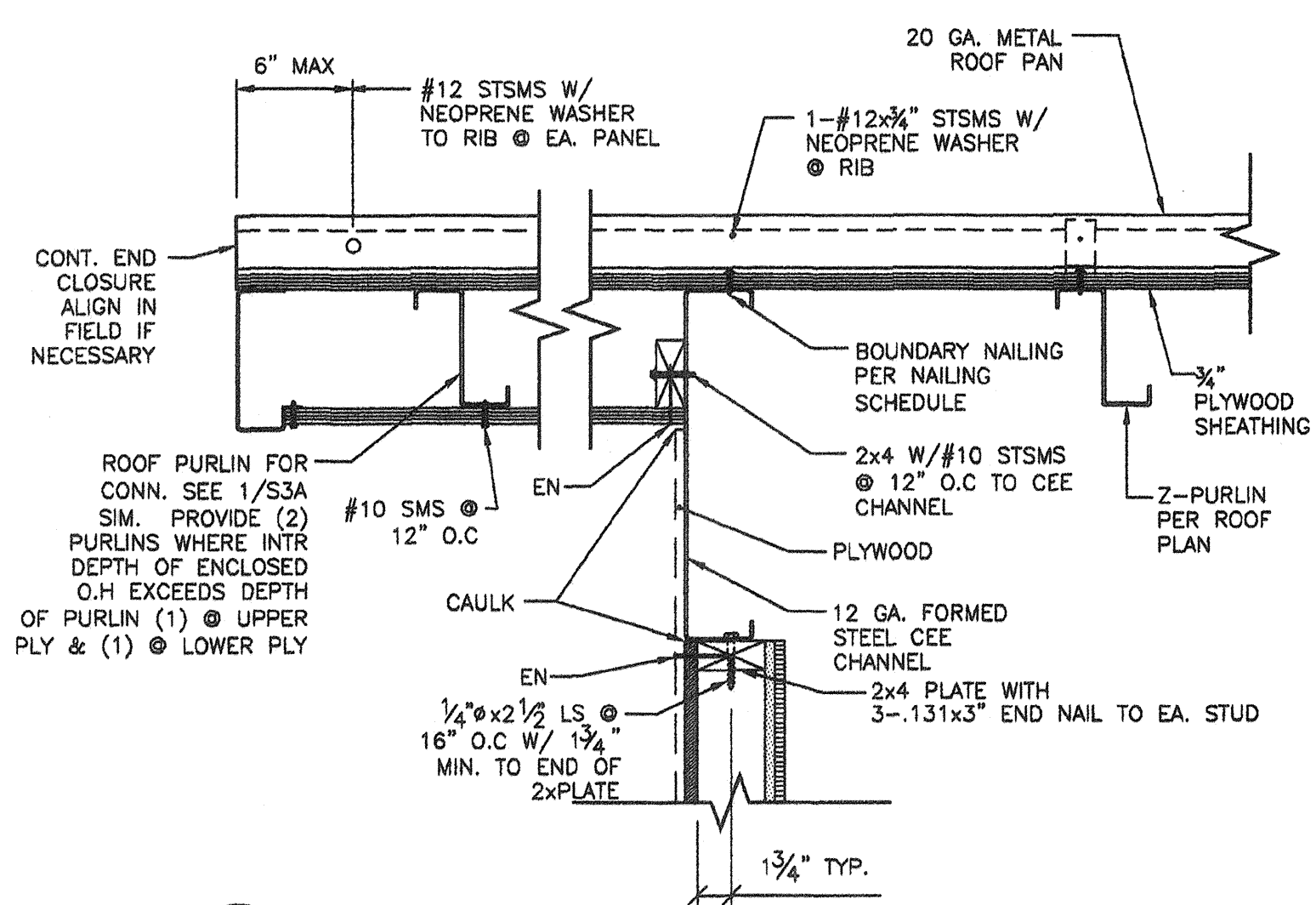
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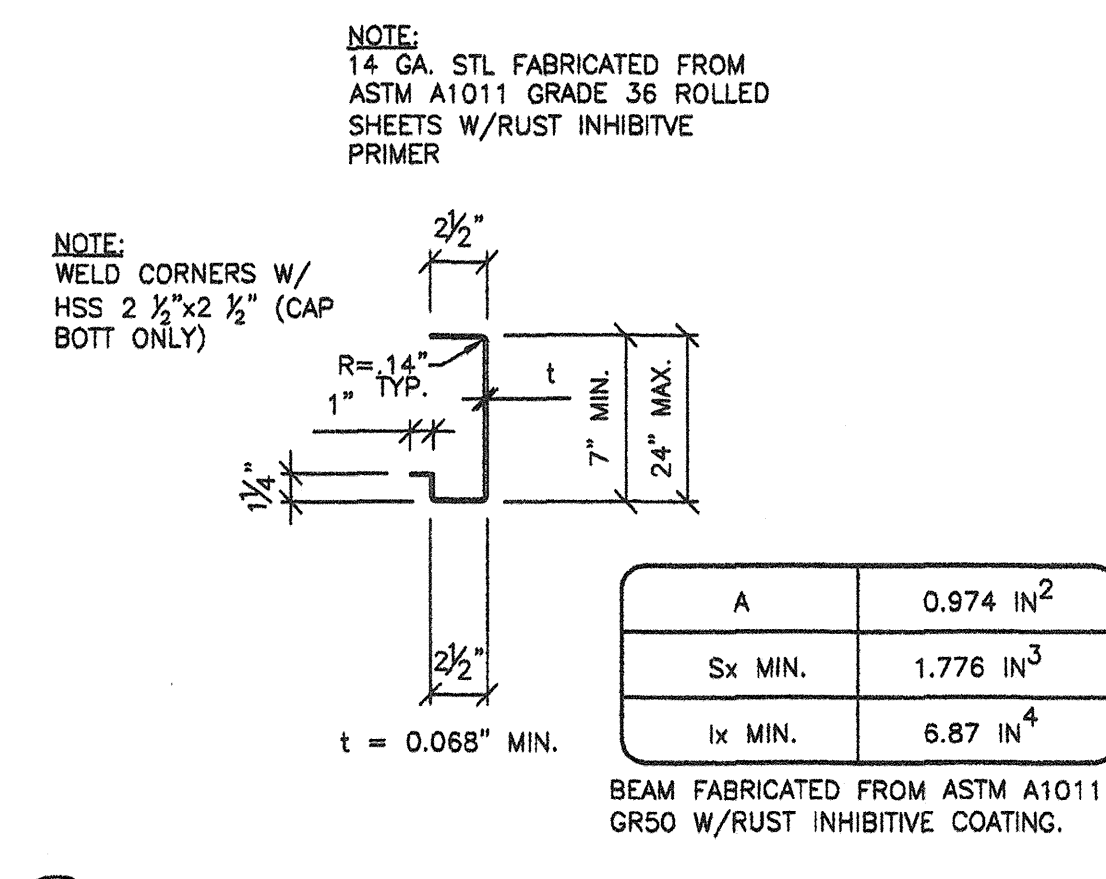
1 DETAIL
SSA 1 1/2"=1'-0"



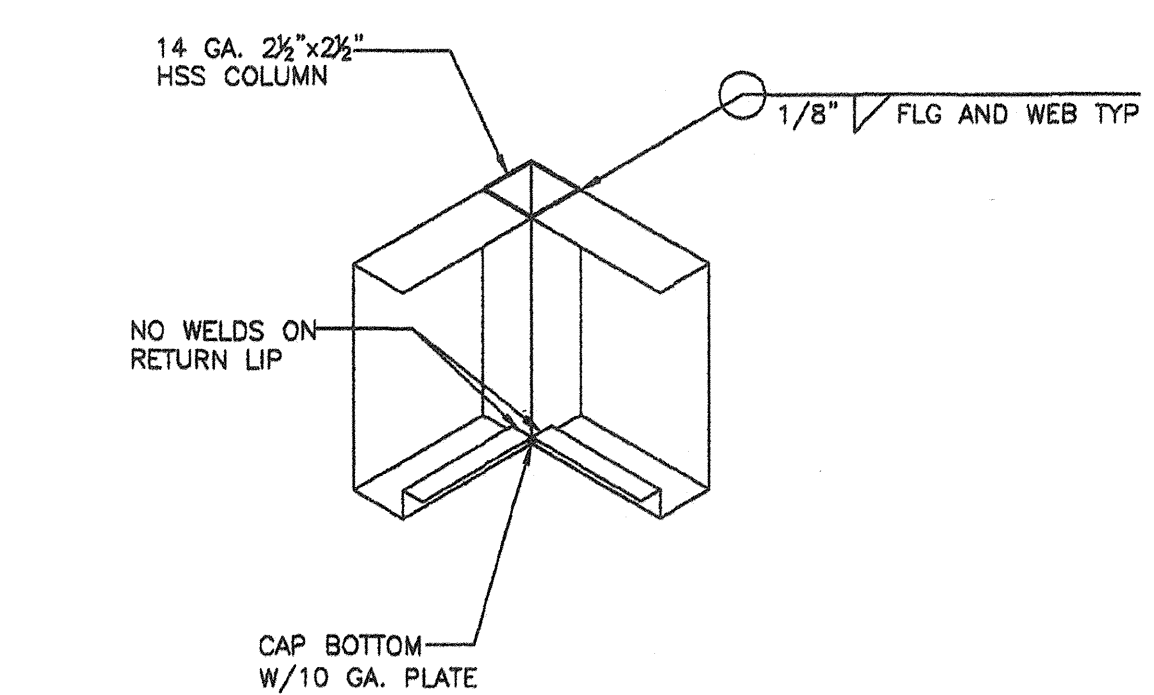
4 ENCLOSED SOFFIT DETAIL
SSA 1 1/2"=1'-0"



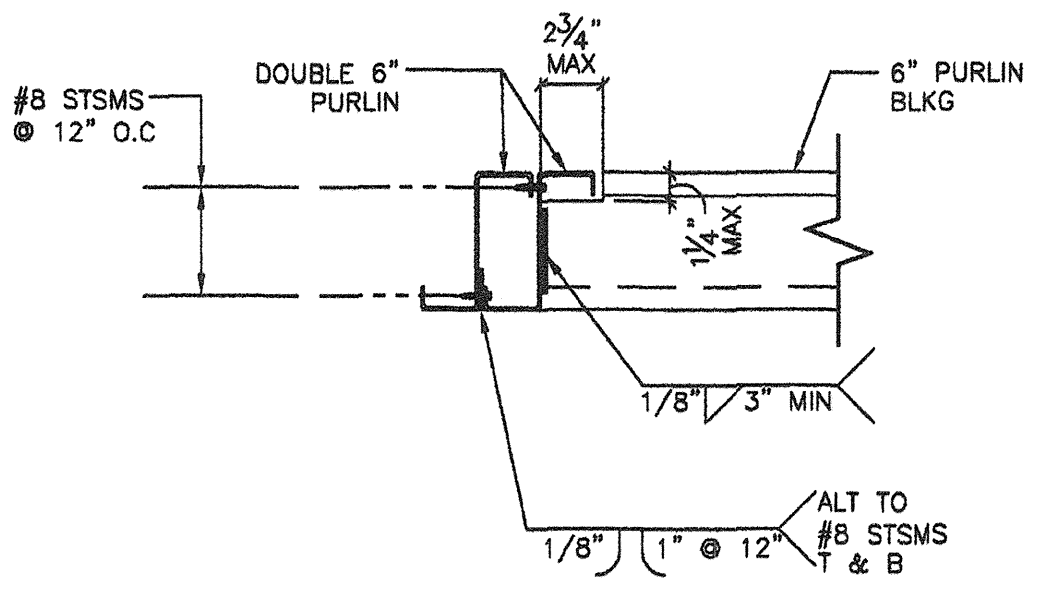
2 OVERHANG DETAIL
SSA 1 1/2"=1'-0"



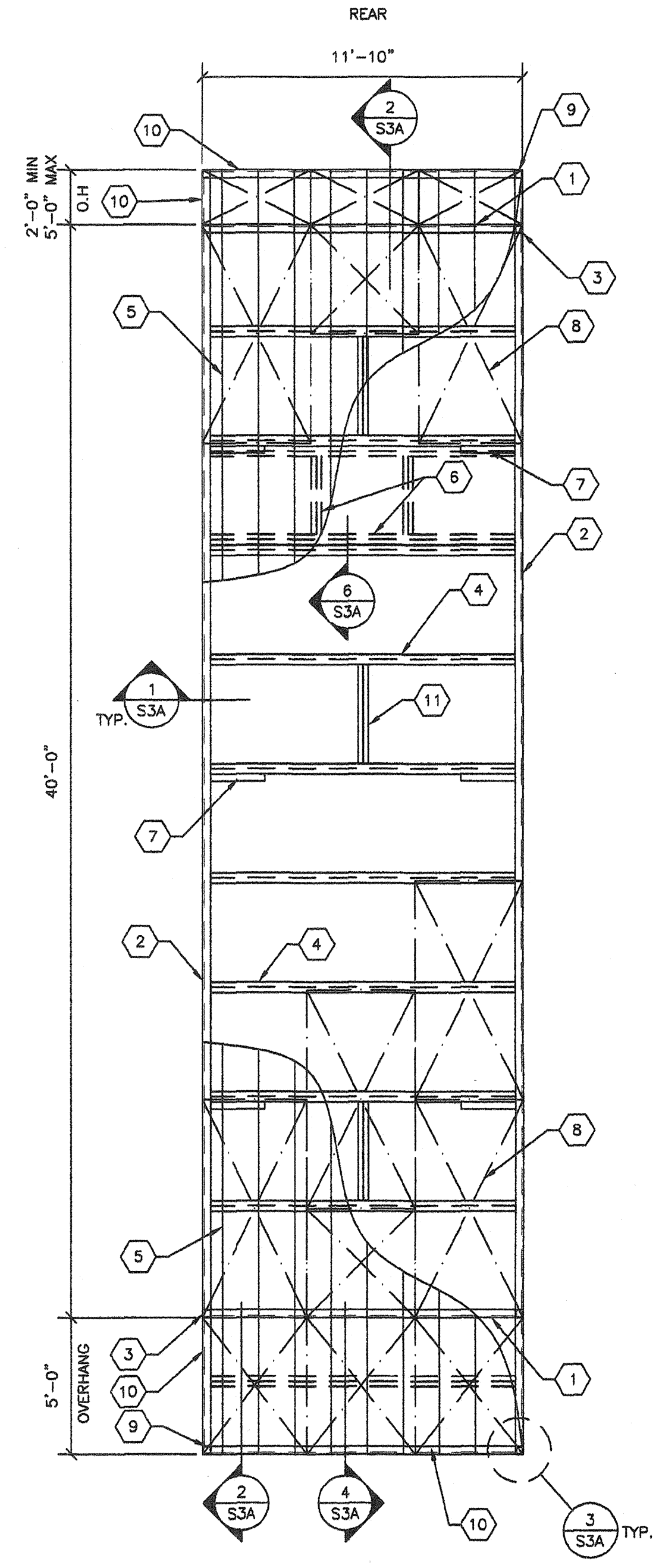
5 14 GA. FORMED STEEL CEE
SSA 1 1/2"=1'-0"



3 OVERHANG CORNER DETAIL
SSA NOT TO SCALE



6 BLOCKING DETAIL
SSA 1 1/2"=1'-0"



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

- KEY NOTES -**
- 12 GA. TRANSVERSE BEAM PER 10/S3.1
 - LONGITUDINAL ROOF CHANNEL TYP. PER 9/S3.1
 - HSS PER SHEET S4
 - 2" FORMED ROOF PURLINS PER 8/S3.1 @ 48" O.C. MAX
 - 20 GA. ROOF PAN (ALT. 26 GA. ROOF PAN OVER PLYWOOD)
 - PROVIDE DOUBLE 6" PURLINS W/ 6" PURLIN BLKG PER 6/S3A @ OPTIONAL 600# HVAC. (10'-0" MAX FROM END OF BLDG TO CENTER OF UNIT)
 - 3"x12 GA. BENT PLATE TO 10 GA. BEAM @ 12'-0" O.C MAX PER 1/S3A PROVIDE PURLIN BLOCKING @ EACH BRACE PER (1) BELOW (IF CROSS BRACING IS USED THEN REFER TO PLAN 1/S3 FOR BENT PLATE LOCATIONS, AND PROVIDE CROSS BRACING AT OVERHANGS)
 - 3/4" APA RATED L-P OSB SHEATHING OR 3/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T&G OR EDGE CLIP) COMPLY WITH DSA PA-062, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF PURLINS ROOF SHING MAY BE REPLACED BY STRAP CROSS BRACING (REFER TO SHEET S3 FOR DETAILS, AND PROVIDE CROSS BRACING AT OVERHANGS) ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO SCHEDULE BELOW FOR FASTENING.
 - HSS COLUMN 14 GA. 2 1/2" x 2 1/2" TYP. SEE 3/S3A
 - 14 GA. FORMED STEEL CEE SEE 5/S3A
 - PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 6/S3A BLOCKING IS ONLY REQUIRED AT PURLINS WITH DIAGONAL BRACING PER (7) ABOVE

FASTENING SCHEDULE			
NAILING	0.144 PINS SPACING		# 10 SMS SPACING
	TYPICAL	WITHIN 3' OF BUILDING CORNERS	
BOUNDARY	6" O.C.	6" O.C.	6" O.C.
EDGE	6" O.C.	6" O.C.	6" O.C.
FIELD	12" O.C.	6" O.C.	12" O.C.

ET & F 0.144 PINS PER ICC ESR #4144

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

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
12' x 40' RELOCATABLE BUILDINGS
ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT OPTION)

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

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

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 4418
EXP. 3-31-11
Structural Engineer
STATE OF CALIFORNIA

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

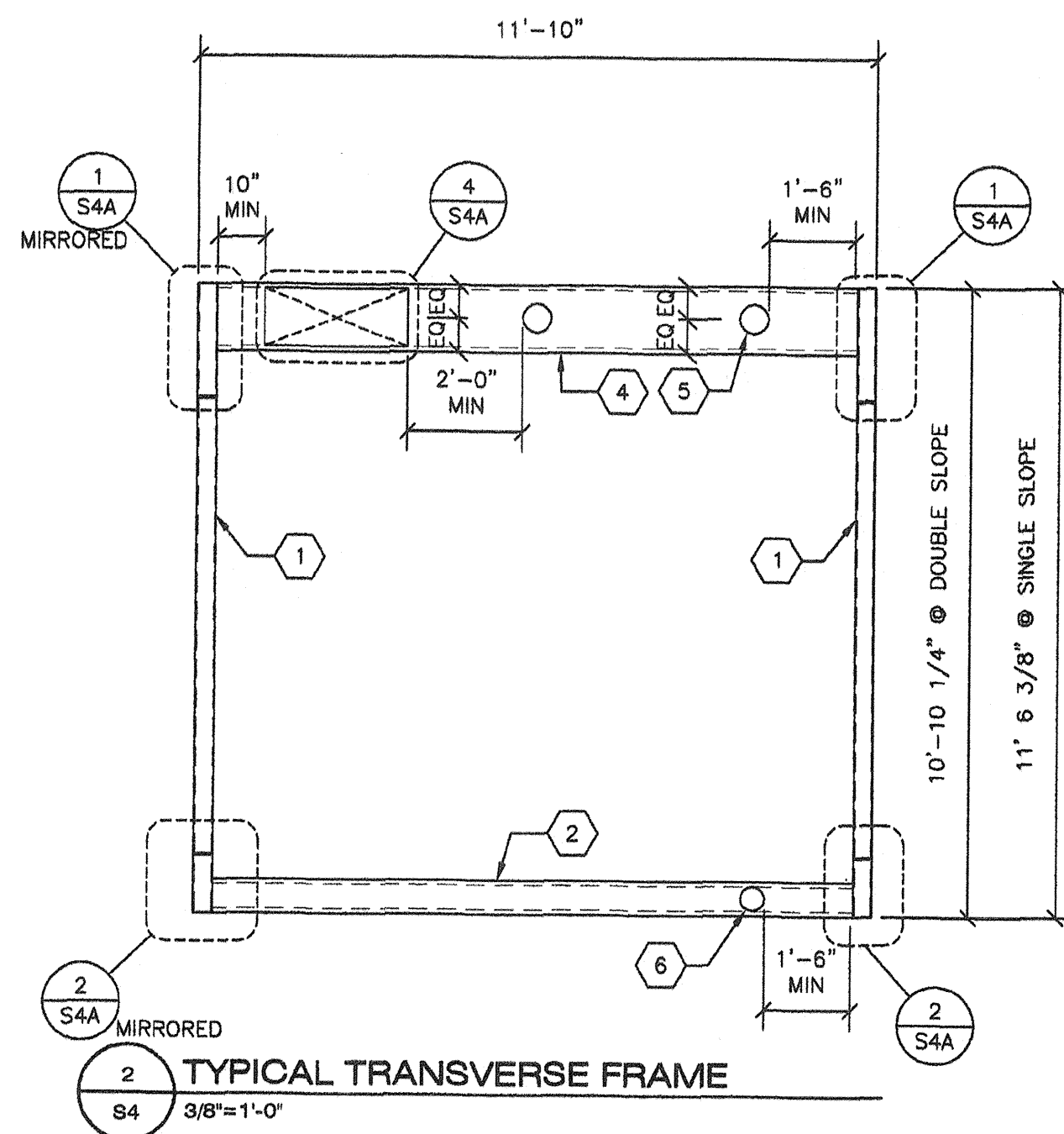
03 118569
AC 4 FLG S3A
DATE 9-2-2010

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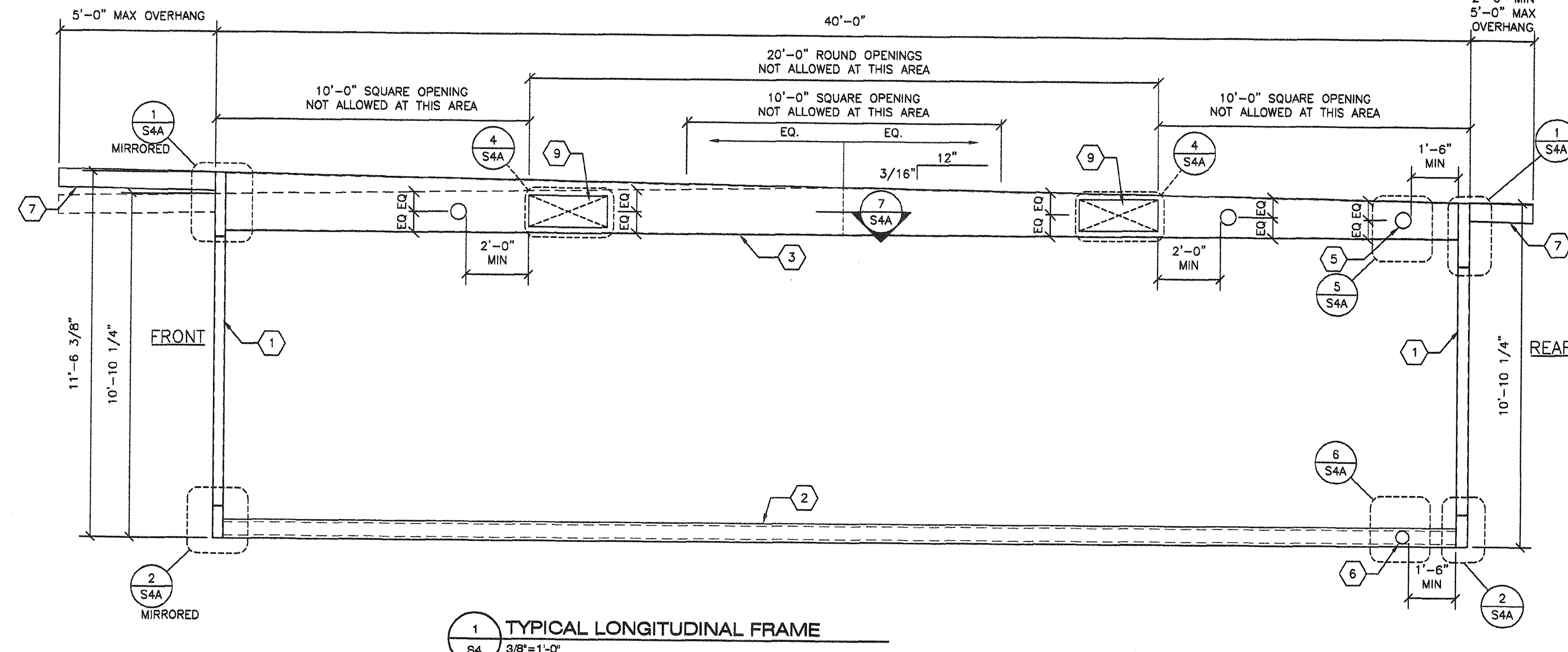
PC 02-109808
AC FLG S3A
DATE 4/1/09

PROJECT No.
S3A-R

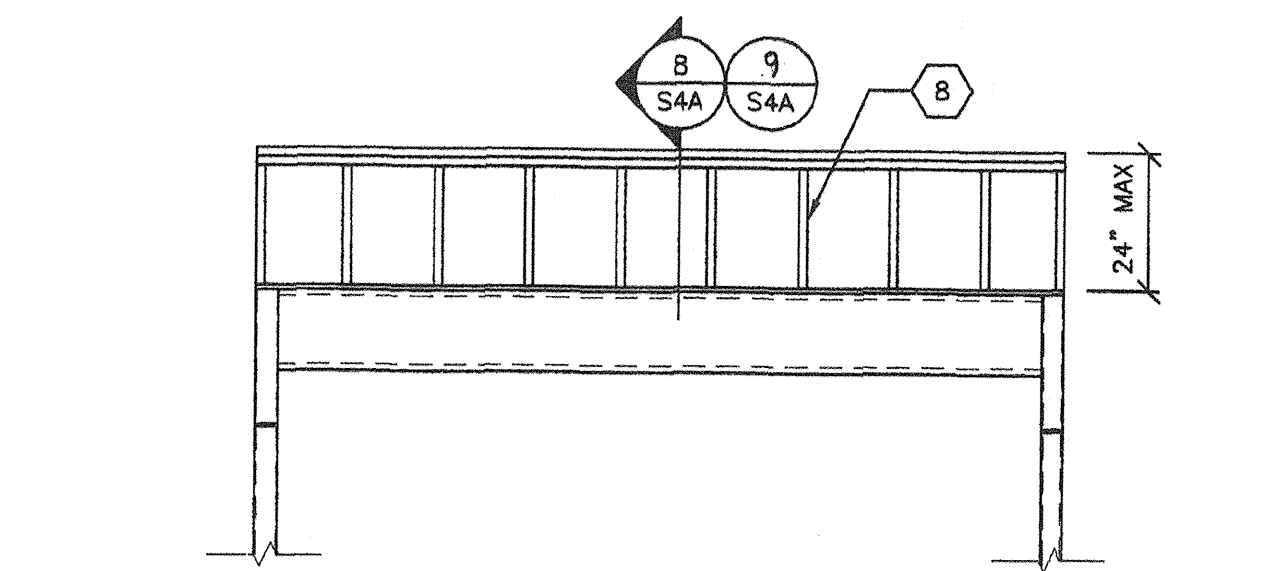
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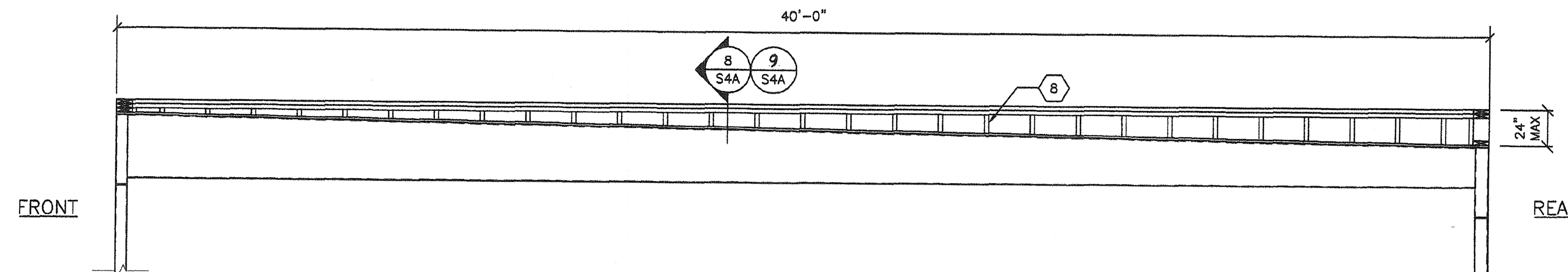
1 TYPICAL TRANSVERSE FRAME
S4 3/8"=1'-0"



1 TYPICAL LONGITUDINAL FRAME
S4 3/8"=1'-0"



4 PARAPET WALL OPTION @ TRANSVERSE FRAME
S4 3/8"=1'-0"



3 PARAPET WALL OPTION @ LONGITUDINAL FRAME
S4 3/8"=1'-0"

- KEY NOTES -

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

- FLOOR BEAM SCHEDULE -

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

REVISIONS

NO	DATE	DESCRIPTION

DATE: 02/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

12' x 40' RELOCATABLE BUILDINGS
TYPICAL FRAME ELEVATIONS



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Kenneth A. Luttrell
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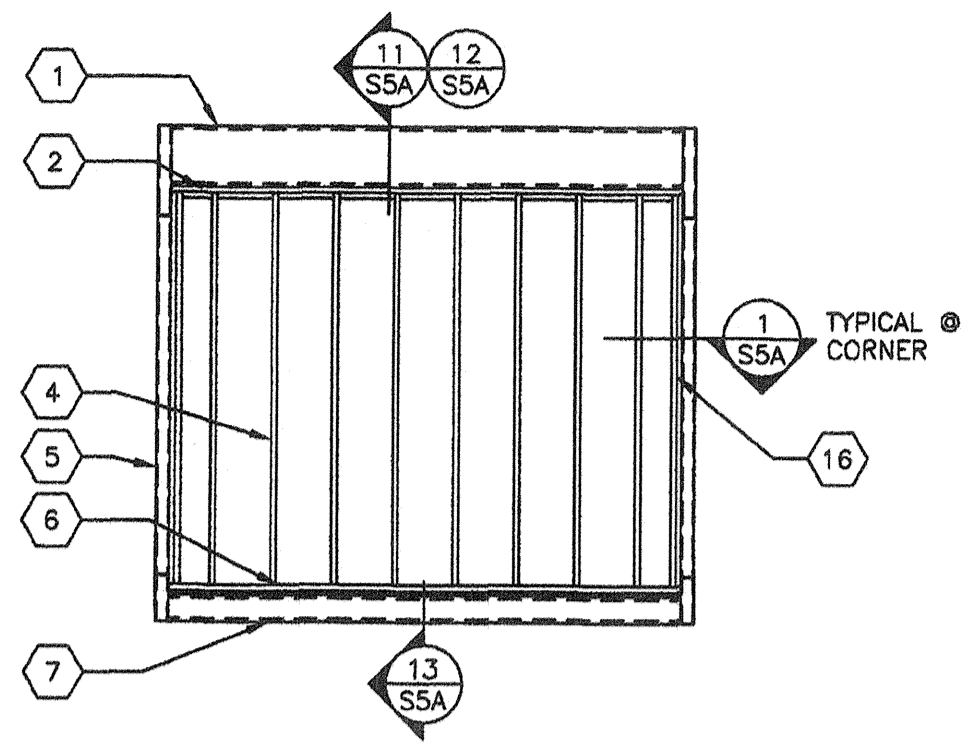
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CS 118549
AC FLS SS
DATE 9-2-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109808
AC FLS SS
DATE 4/1/09

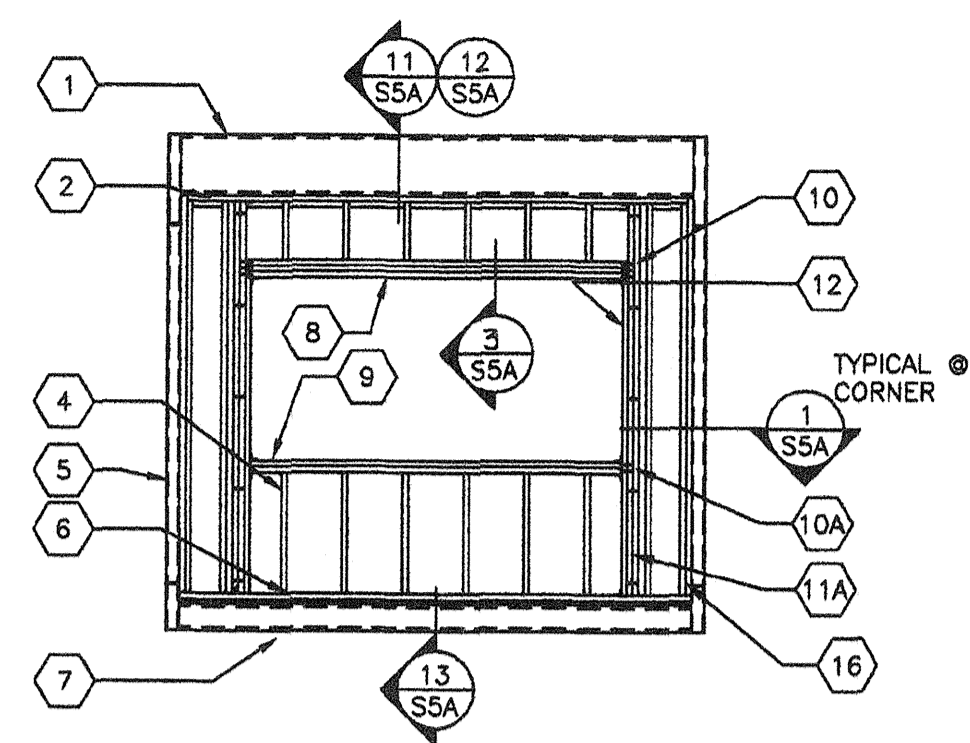
PROJECT No.

S4-R

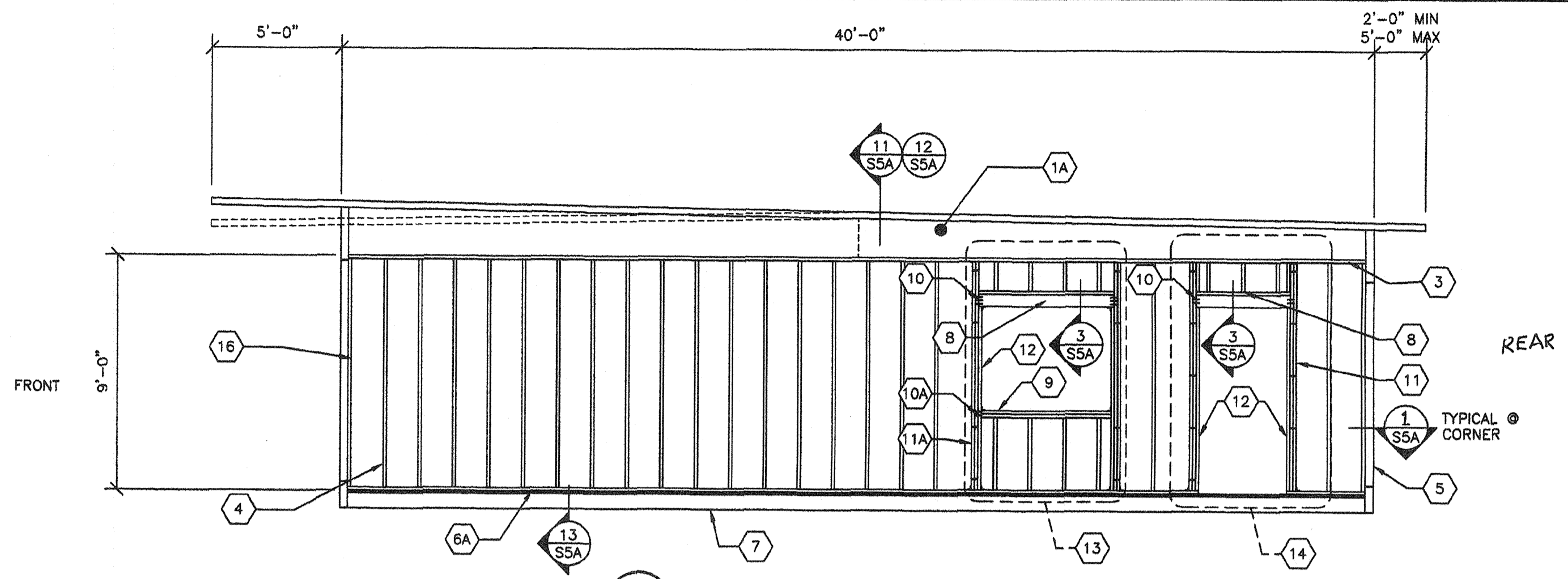
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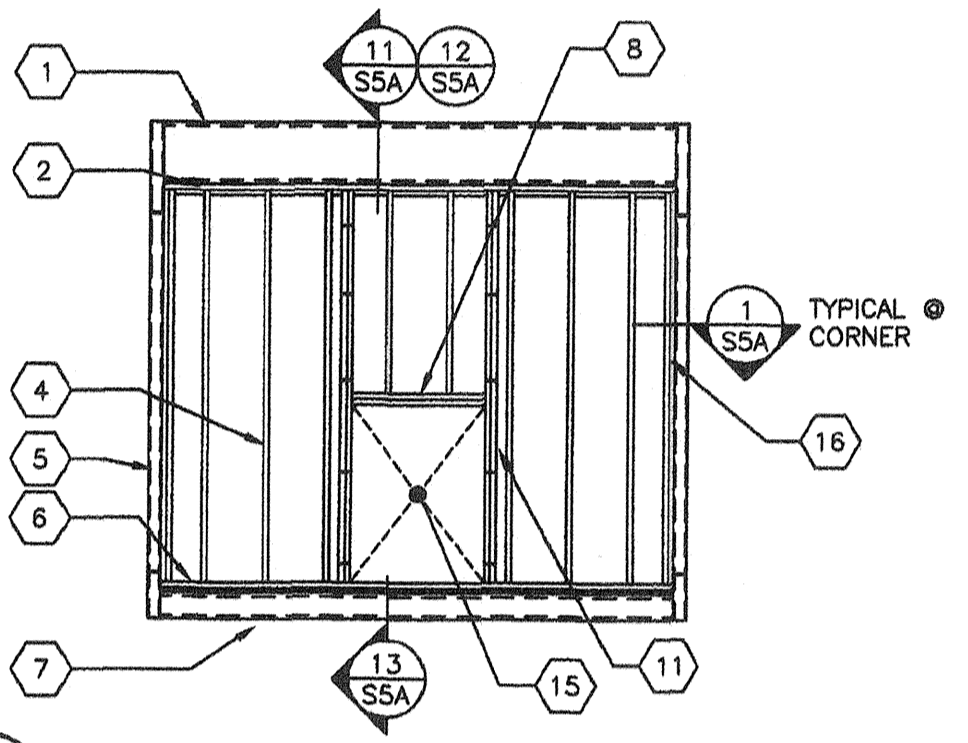
1 TYP END WALL FRAMING W/NO OPENINGS
S5 1/4"=1'-0"



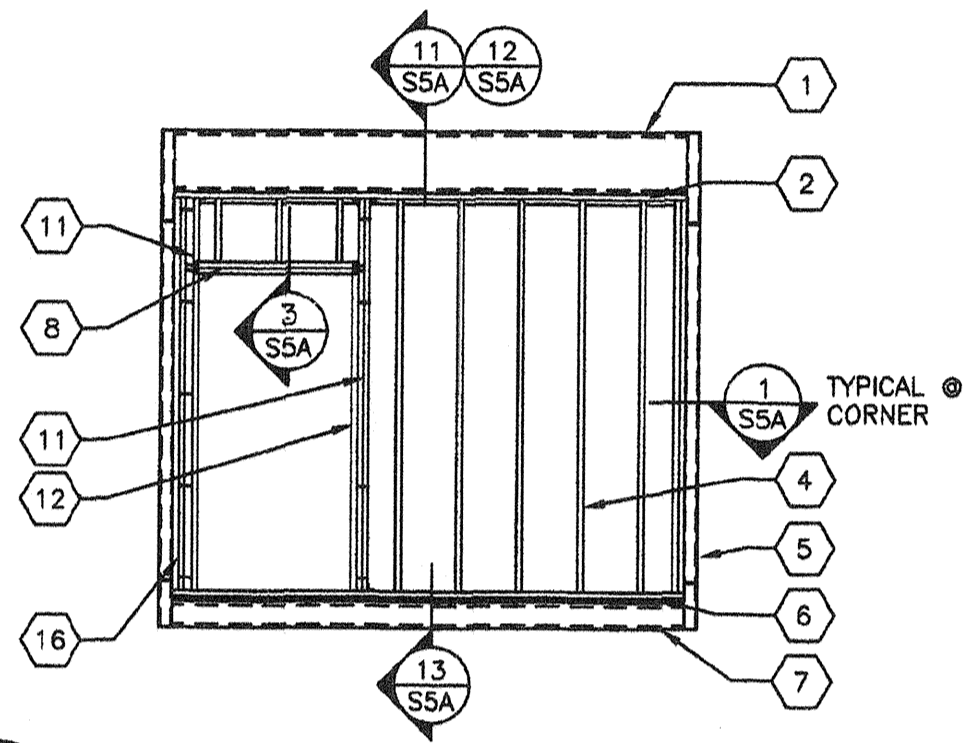
4 TYP END WALL FRAMING W/WINDOW
S5 1/4"=1'-0"



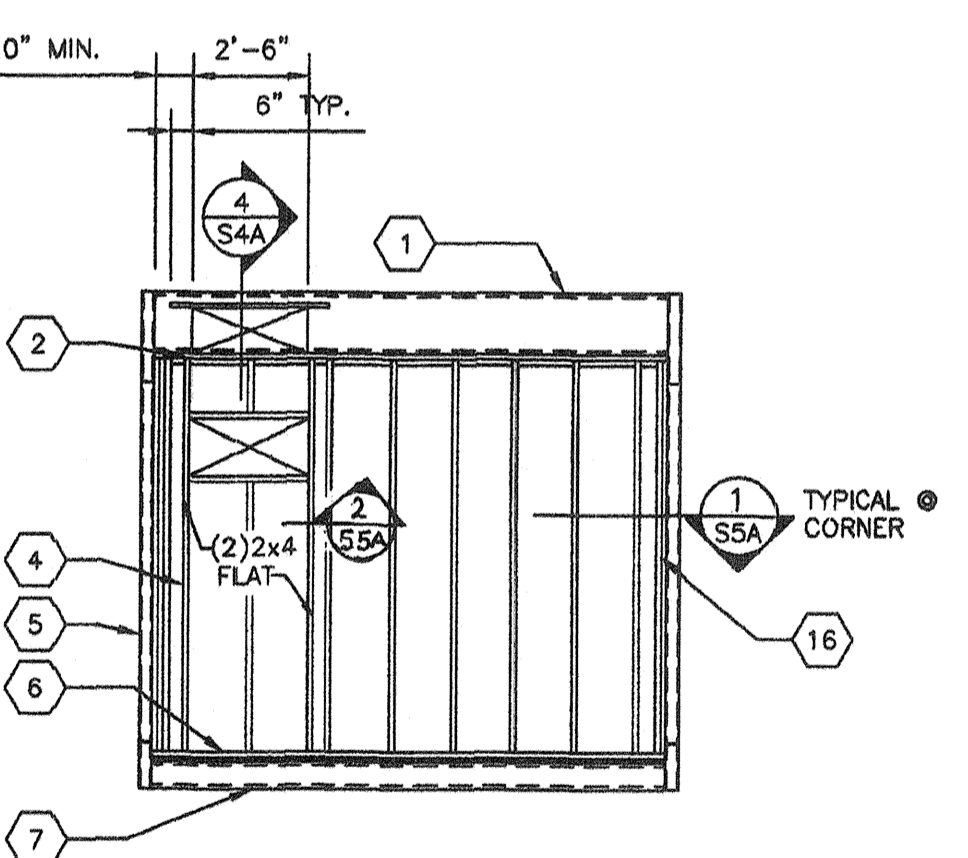
6 TYP SIDE WALL FRAMING
S5 1/4"=1'-0" (MONODUAL PITCH)



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



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



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

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

EXTERIOR WALL FINISH/WALL STUD SCHEDULE

FINISH TYPE	FOUNDATION TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS1-95. VERTICAL GROOVES @ 8" OC	WOOD OR CONCRETE	JOINT DETAIL SEE 9/SSA NAILING PER BLDG SECTIONS	HEM FIR #2 DOUG FIR #2	@ 16" OC @ 16" OC	@ 16" OC @ 16" OC
3/8" HARDIBOARD WITH SYNTHETIC STUCCO 3/8" HARDI-LAP SIDING	WOOD OR CONCRETE	PER SHEETS A5, A5A, A6 & A6A	HEM FIR #2 DOUG FIR #2	@ 16" OC @ 16" OC	@ 16" OC @ 16" OC
1/2" PLYWOOD SHEATHING CONFORMING TO PS1-95, APA RATED, 5 PLY 32/16, EXPOSURE 1 WITH 3/8" STUCCO	CONCRETE ONLY	NAILING PER BLDG SECTIONS	HEM FIR #2 DOUG FIR #2	@ 16" OC @ 16" OC	@ 12" OC @ 16" OC

- ALL NAILS IN EXTERIOR APPLICATIONS TO BE GALVANIZED.
- WALL CORNERS ARE DEFINED AS A DISTANCE OF 8 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH 2160 SQ. FT. OR GREATER AND A DISTANCE OF 3 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH LESS THAN 2160 SQ. FT.
- TYPICAL PLYWOOD NAILING WHERE OCCURS .131x2 1/4" GALV @ 6" O.C E.N. & 12" O.C F.N.

- KEY NOTES -
- 1 ROOF HEADER
 - 1A ROOF BEAM
 - 2 2x4 PLATE NO SPLICE
 - 3 2x4 PLATE
 - 4 2x4 STUDS SPACED PER SCHEDULE TYP. W/ (3) .131x3" NAILS @ EA END
 - 5 HSS COLUMN
 - 6 2x4 BOTTOM PLATE NO SPLICES
 - 6A 2x4 BOTTOM PLATE
 - 7 PERIMETER FLOOR BEAM
 - 8 (2) 2x6 W/ 2x4 FLAT HEADER ALT. (3) FLAT 2x4 HEM FIR. PER DETAIL 3/SSA
 - 9 (2) 2x4 HEM FIR #2 WINDOW SILL PLATE (3) 2x4 HEM FIR #2 OR (2) 2x4 DOUG FIR #2 @ 8" WIDE WINDOW SILL PLATE WITH STUCCO FINISH ONLY
 - 10 (5).131x3" END NAILS THROUGH KING STUD TYP
 - 10A (3) .131x3" END NAILS THROUGH KING STUD, TYP.
 - 11 (2) 2x4 KING STUDS W/ (2) A34 T&B TO PLATE (INTERNAL W/O .131 NAILS @ 14" OC TYP MAX.)
 - 11A (3) 2x4 KING STUDS W/ (2) A34 T&B TO PLATE (INTERNAL W/O .131 NAILS @ 14" OC TYP MAX.)
 - 12 2x4 TRIMMER
 - 13 OPTIONAL WINDOW OPENING MAX 8'-0" WIDE (REFER TO 4/S5 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
 - 14 OPTIONAL DOOR OPENING (REFER TO 5/S5 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
 - 15 HVAC OPENINGS @ INDOOR UNIT
 - 16 2x NAILER

REVISIONS

NO	DATE	DESCRIPTION

DATE: 02/26/08
SCALE: NOTED
DRAWN BY: DIM
SERIAL NO.:

CUSTOMER:
12' x 40' RELOCATABLE BUILDINGS
WALL FRAMING ELEVATIONS

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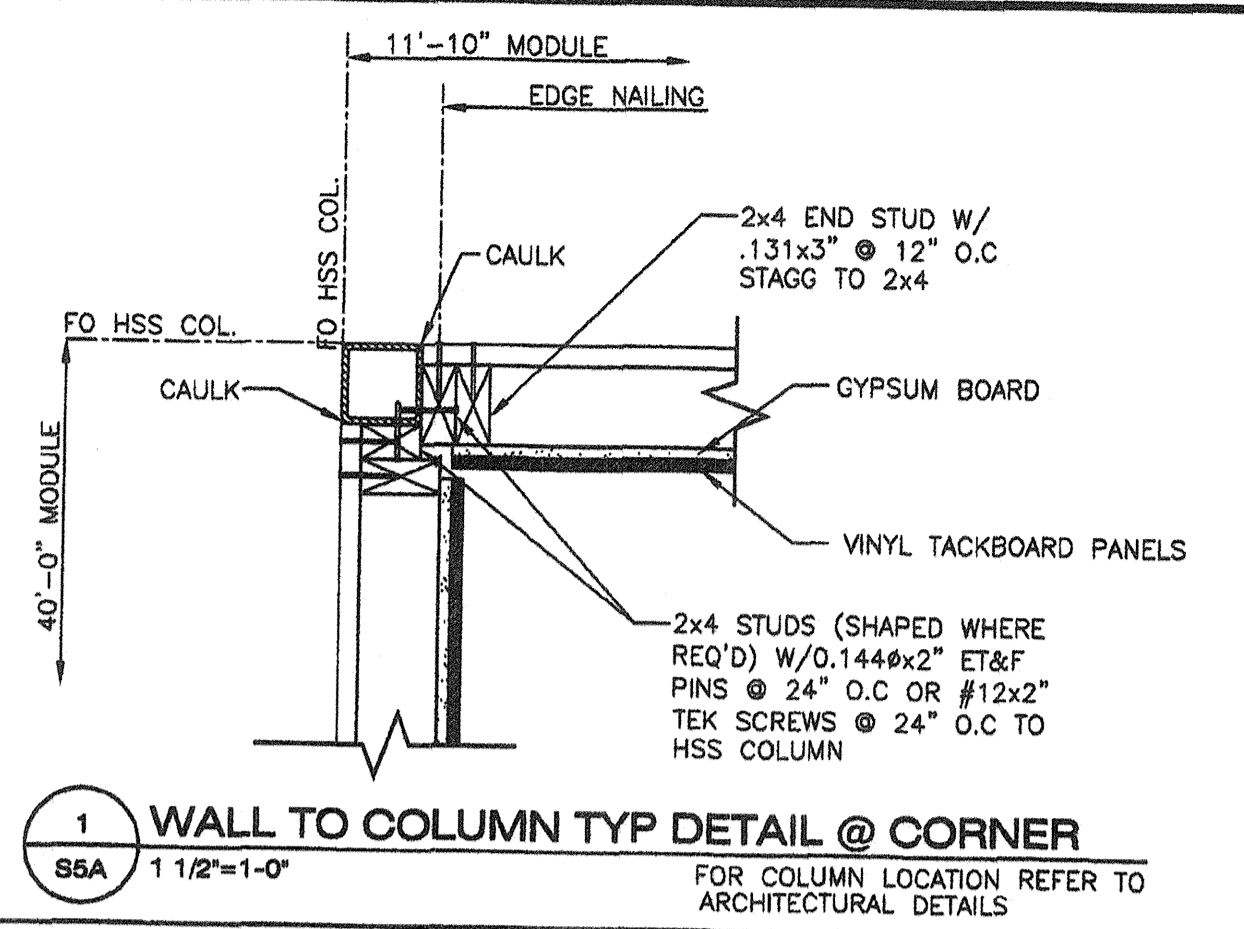
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Kenneth A. Lillard
No. 1418
Exp. 9-31-11
Structural Engineer
STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
C3 118569
AC 4/11/08
DATE 9-2-2010

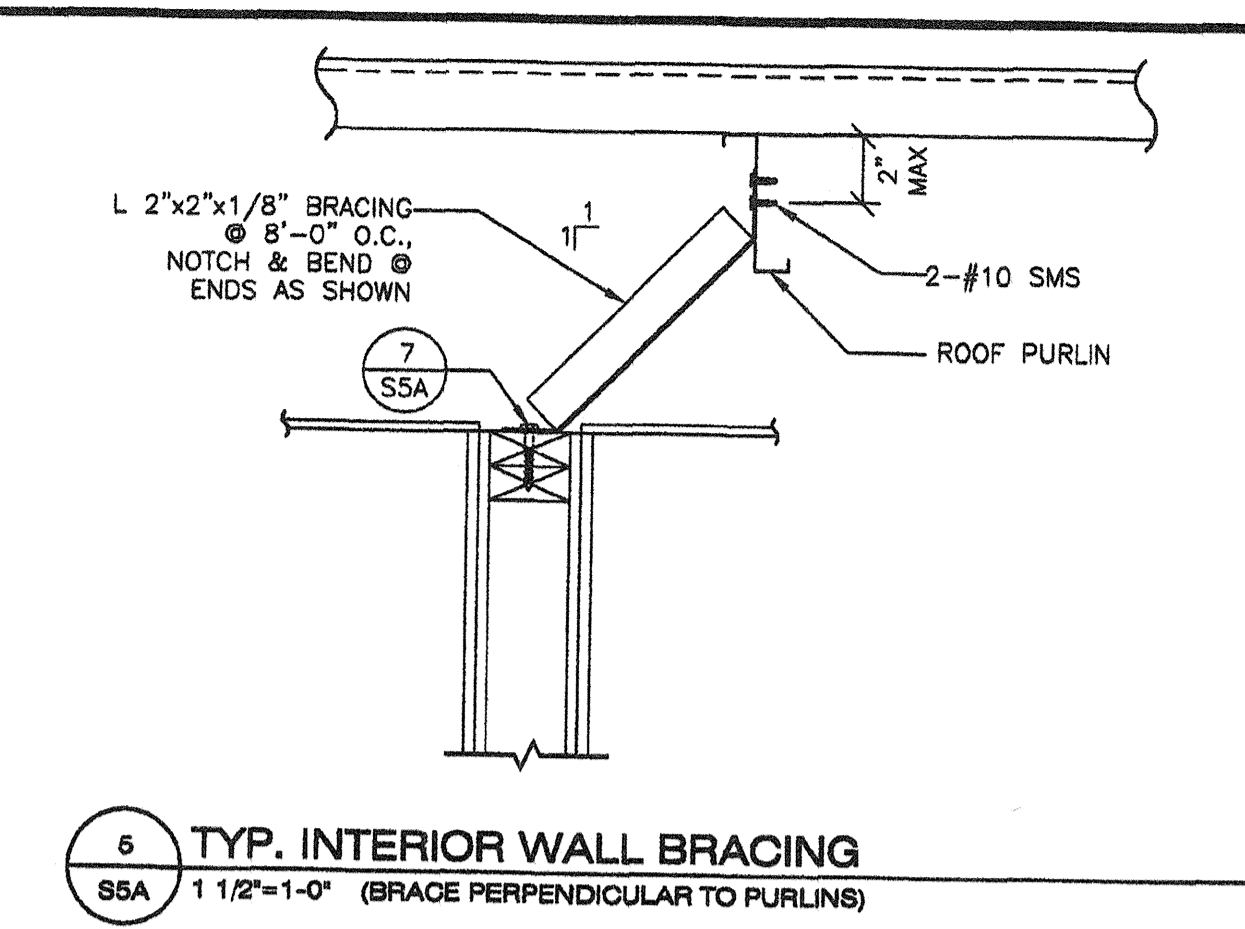
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OFFICE OF REGULATION SERVICES
PC 02-109808
AC FL 5/1/08
DATE 4/1/09

PROJECT No.
S5-R

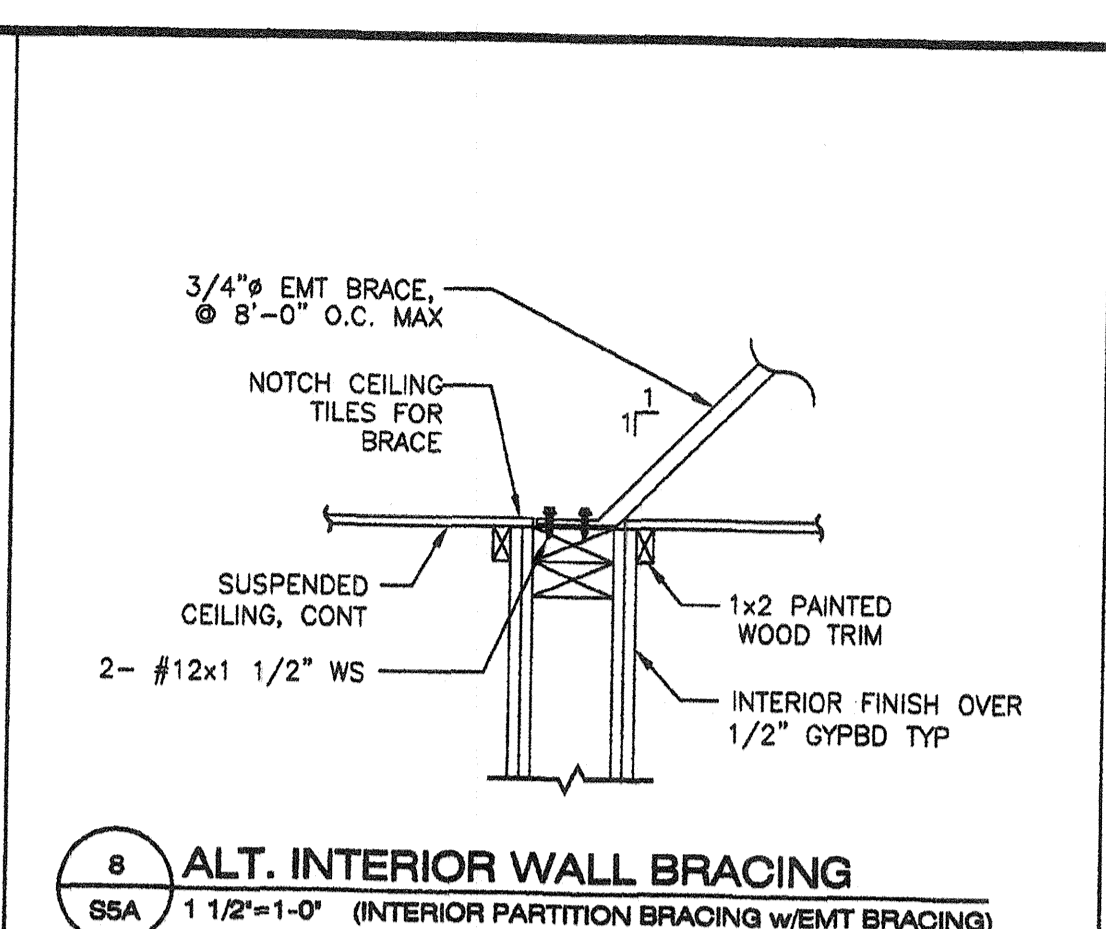
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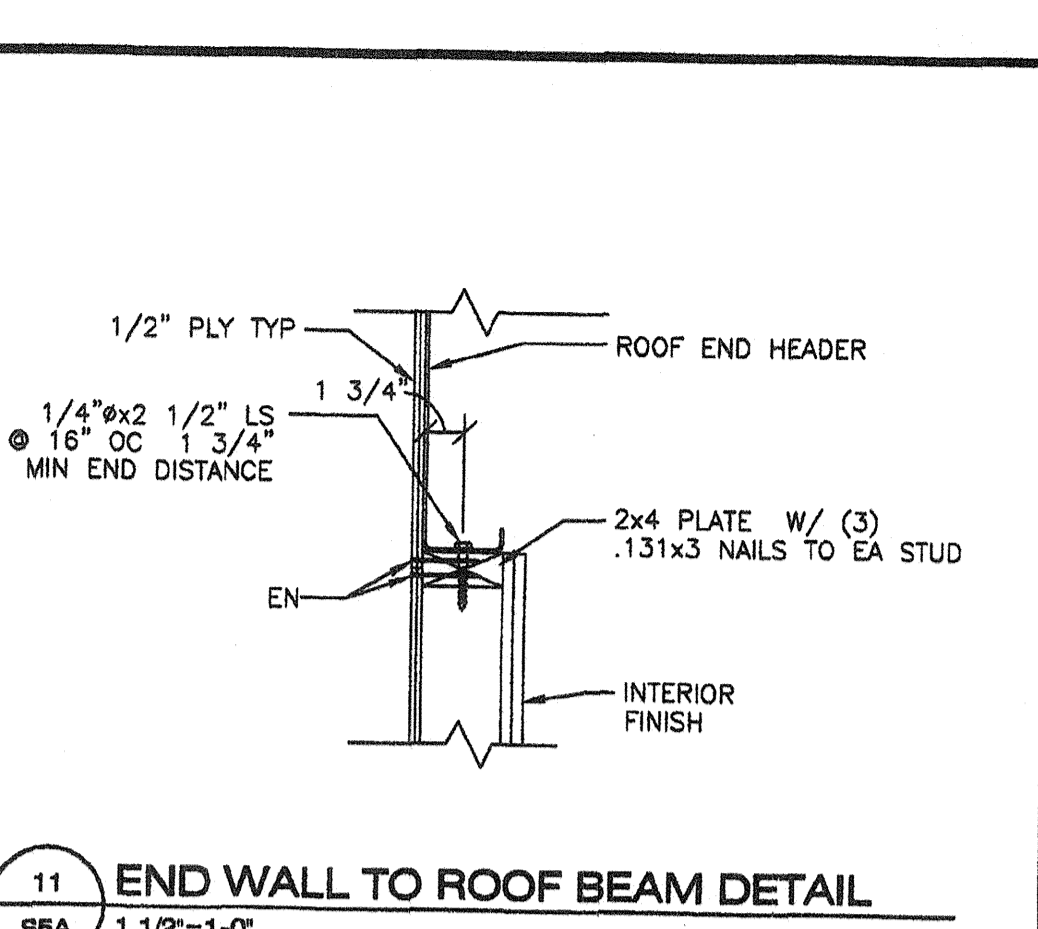
1 WALL TO COLUMN TYP DETAIL @ CORNER
SSA 1 1/2"-1-0"
FOR COLUMN LOCATION REFER TO ARCHITECTURAL DETAILS



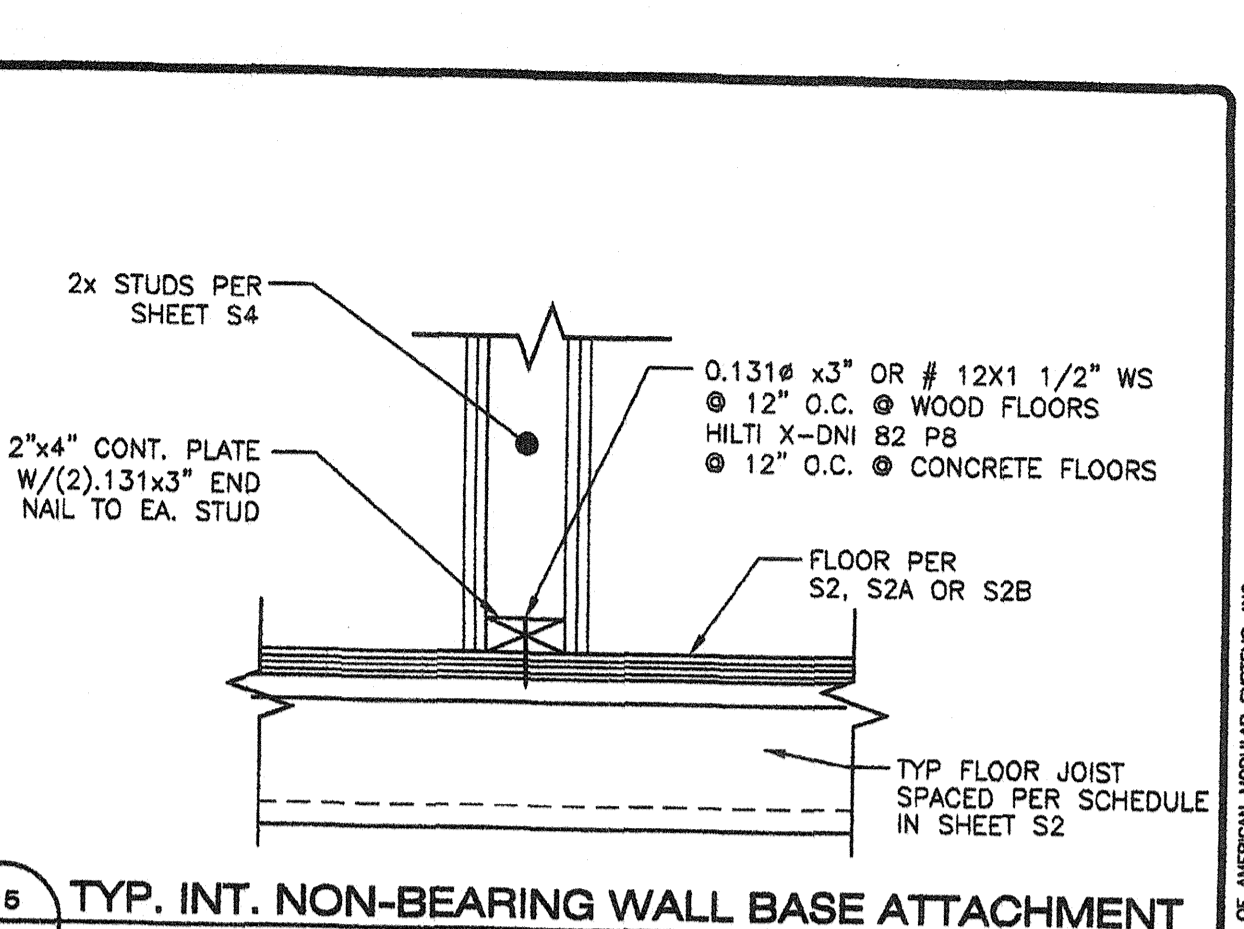
5 TYP. INTERIOR WALL BRACING
SSA 1 1/2"-1-0" (BRACE PERPENDICULAR TO PURLINS)



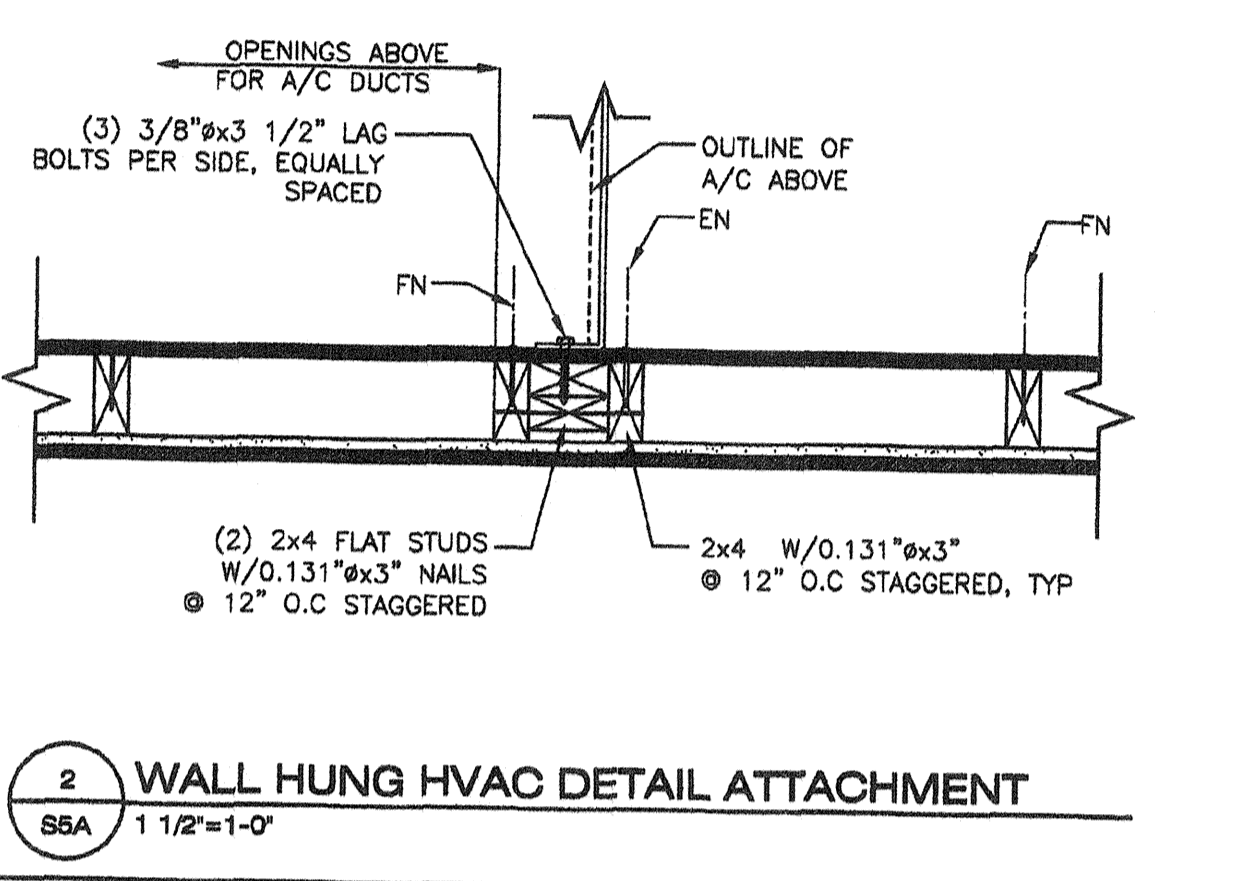
8 ALT. INTERIOR WALL BRACING
SSA 1 1/2"-1-0" (INTERIOR PARTITION BRACING w/EMT BRACING)



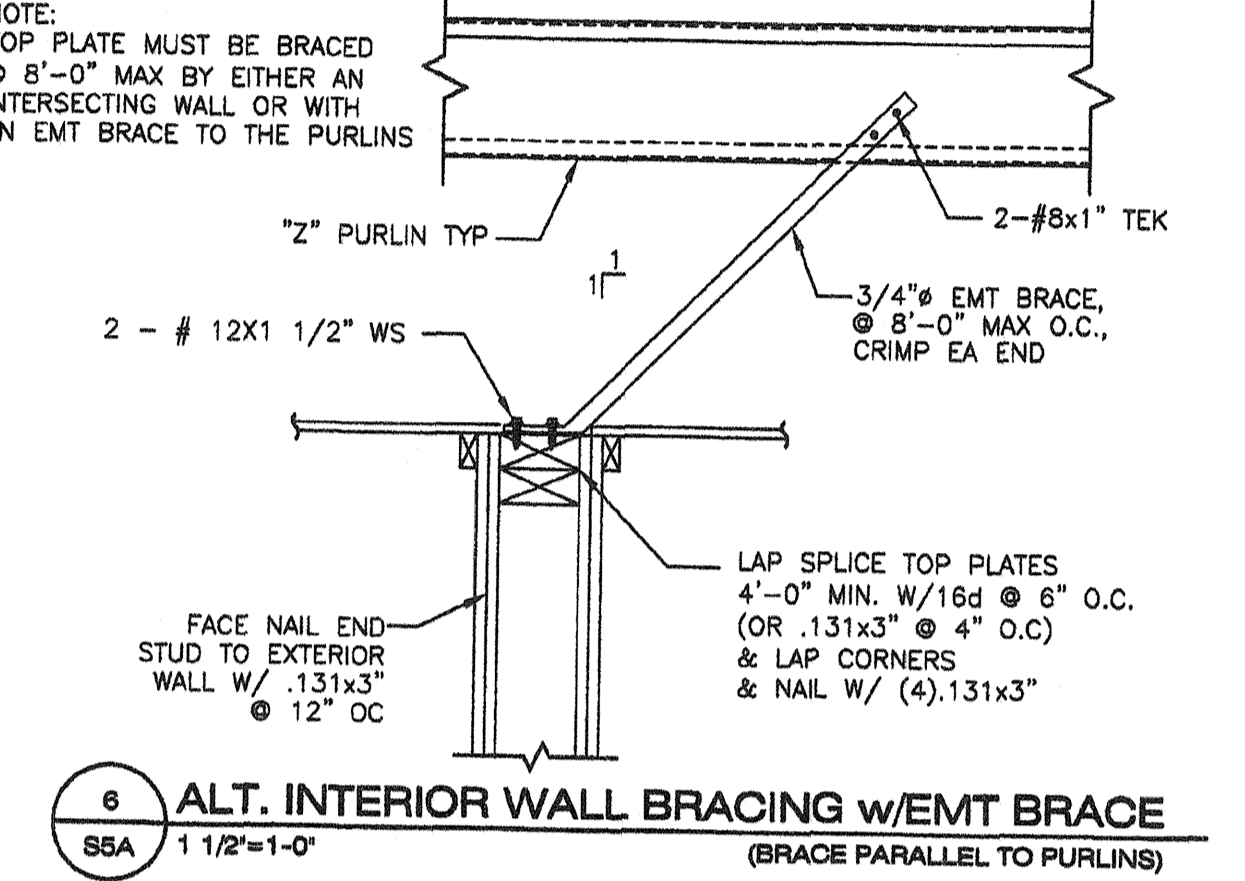
11 END WALL TO ROOF BEAM DETAIL
SSA 1 1/2"-1-0"



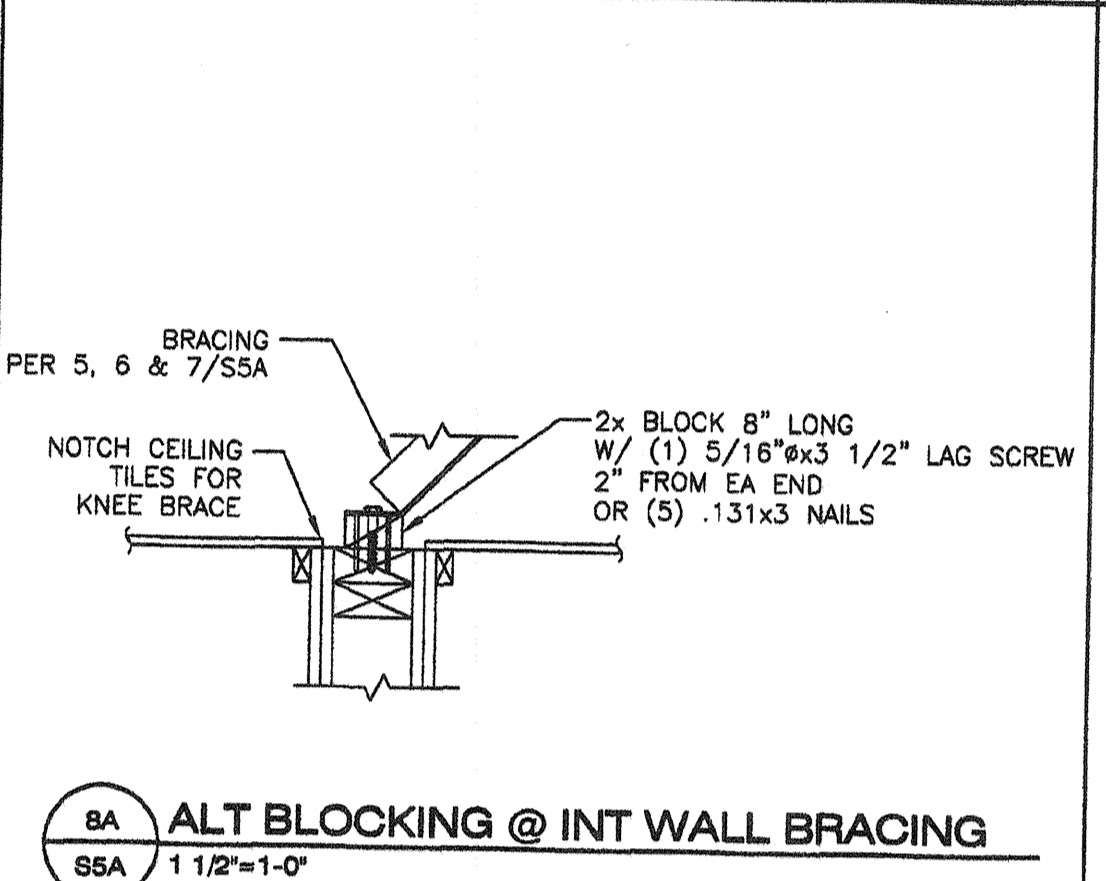
15 TYP. INT. NON-BEARING WALL BASE ATTACHMENT
SSA 1 1/2"-1-0" (WALL PERPENDICULAR TO FLOOR JOISTS)



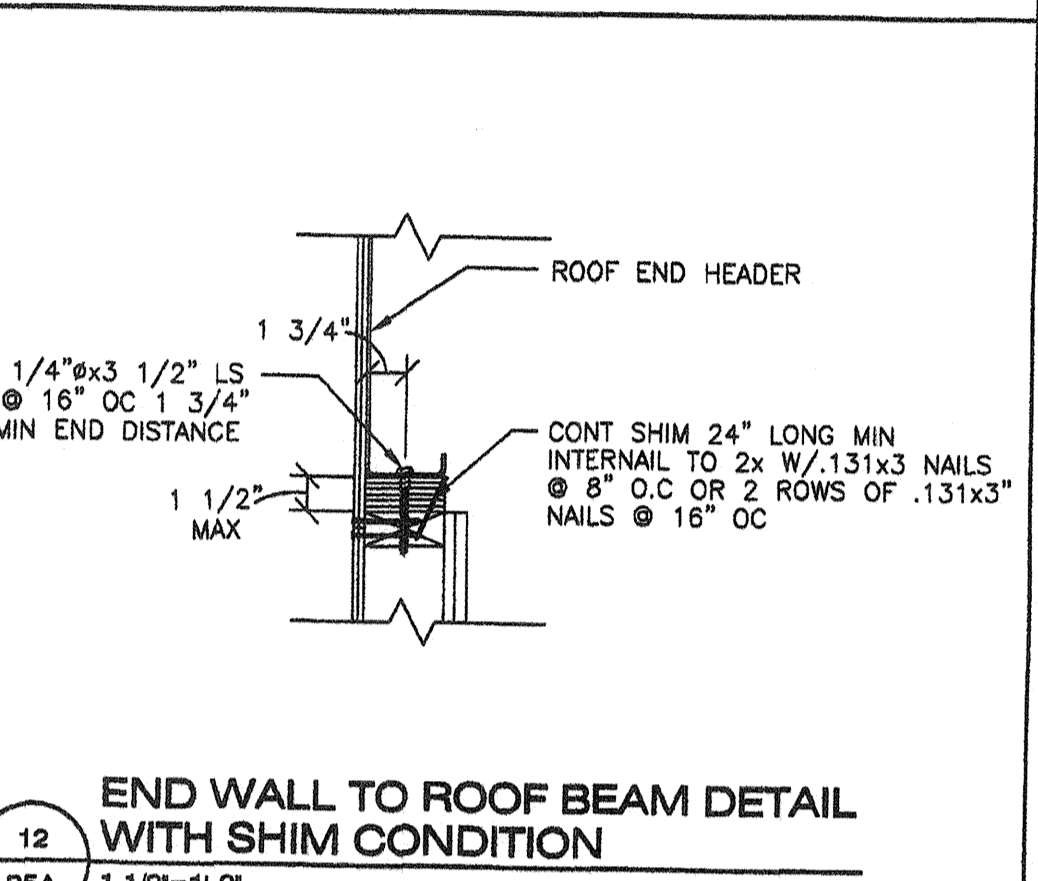
2 WALL HUNG HVAC DETAIL ATTACHMENT
SSA 1 1/2"-1-0"



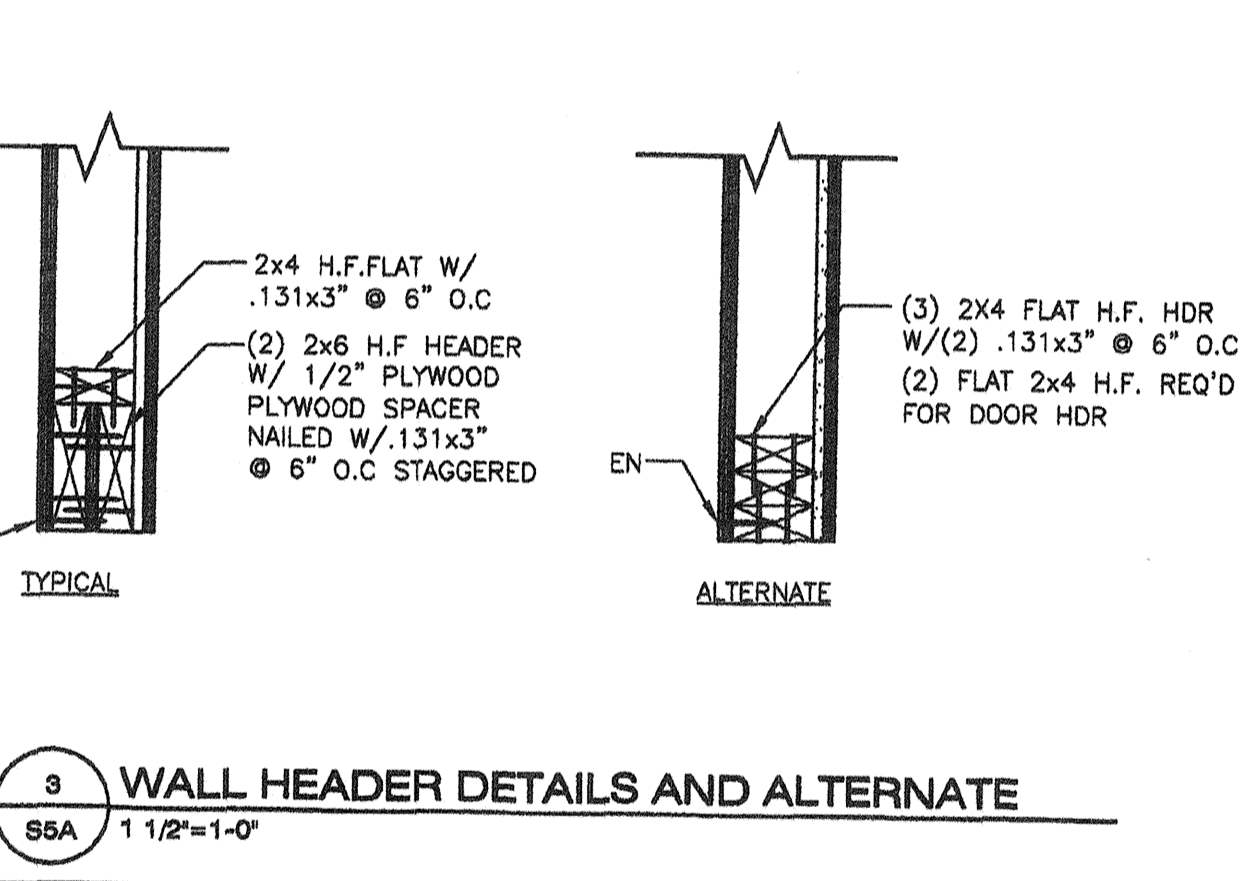
6 ALT. INTERIOR WALL BRACING w/EMT BRACE
SSA 1 1/2"-1-0" (BRACE PARALLEL TO PURLINS)



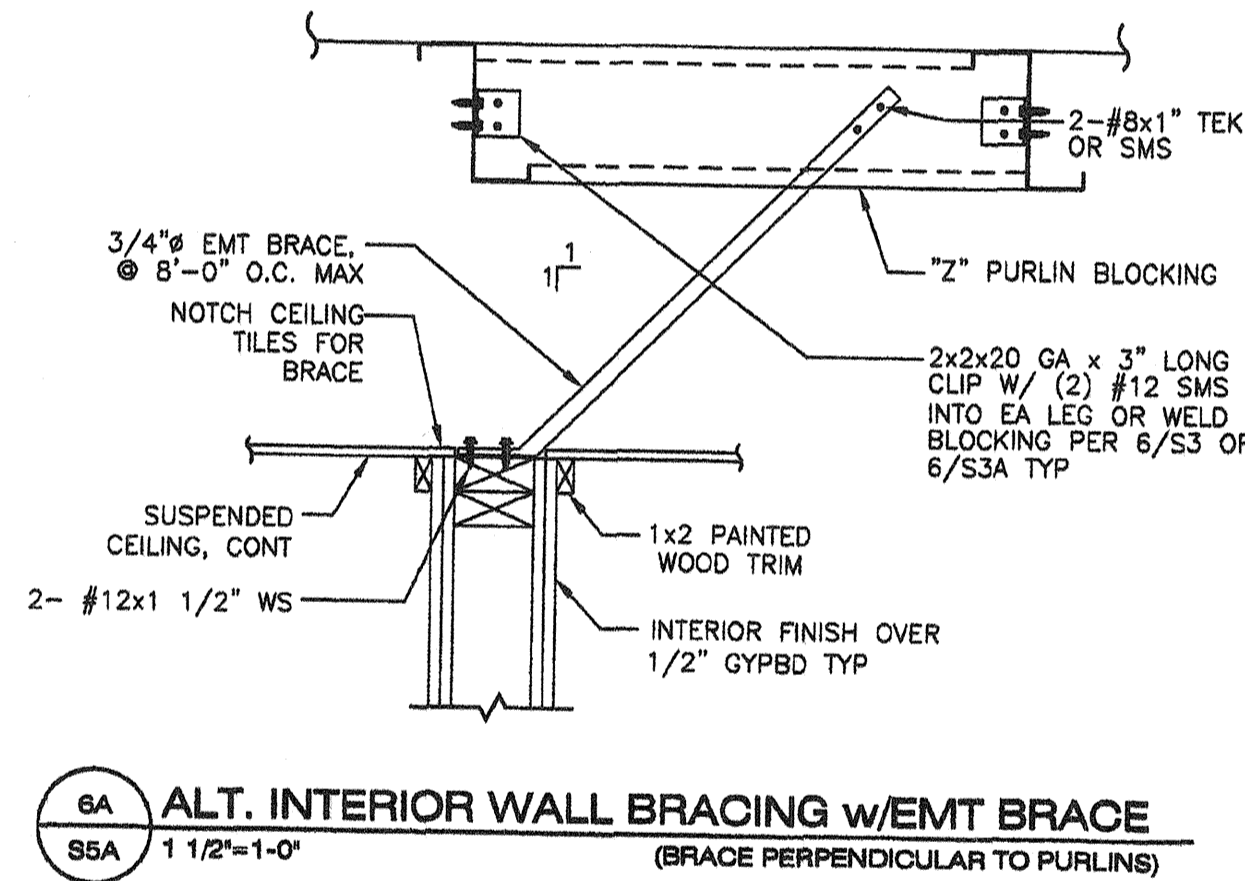
8A ALT BLOCKING @ INT WALL BRACING
SSA 1 1/2"-1-0"



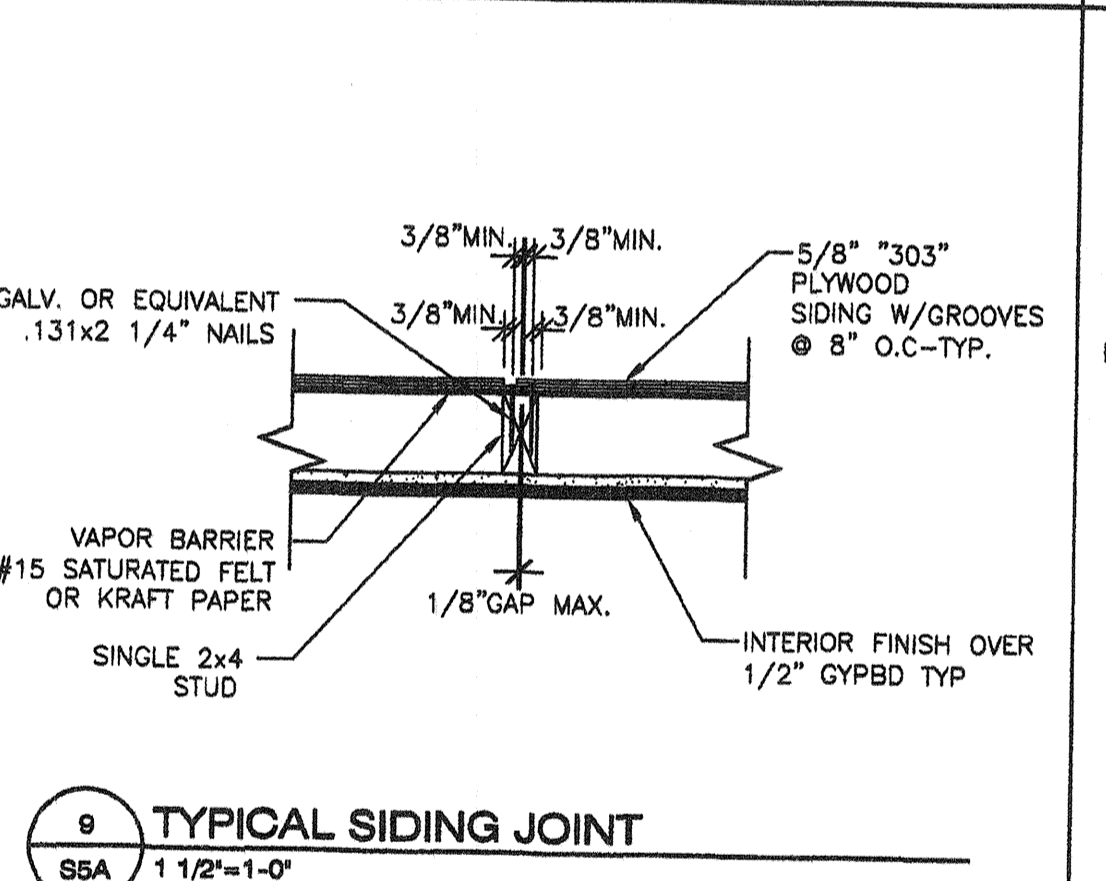
12 END WALL TO ROOF BEAM DETAIL WITH SHIM CONDITION
SSA 1 1/2"-1-0"



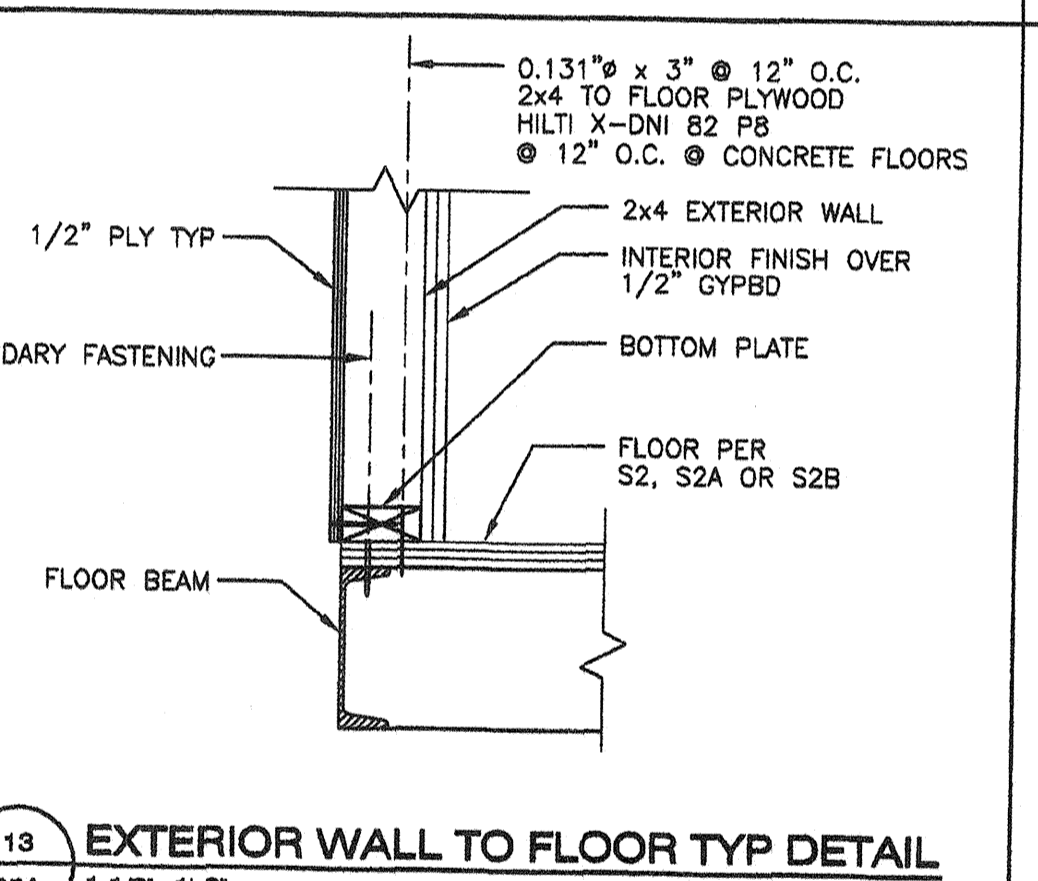
3 WALL HEADER DETAILS AND ALTERNATE
SSA 1 1/2"-1-0"



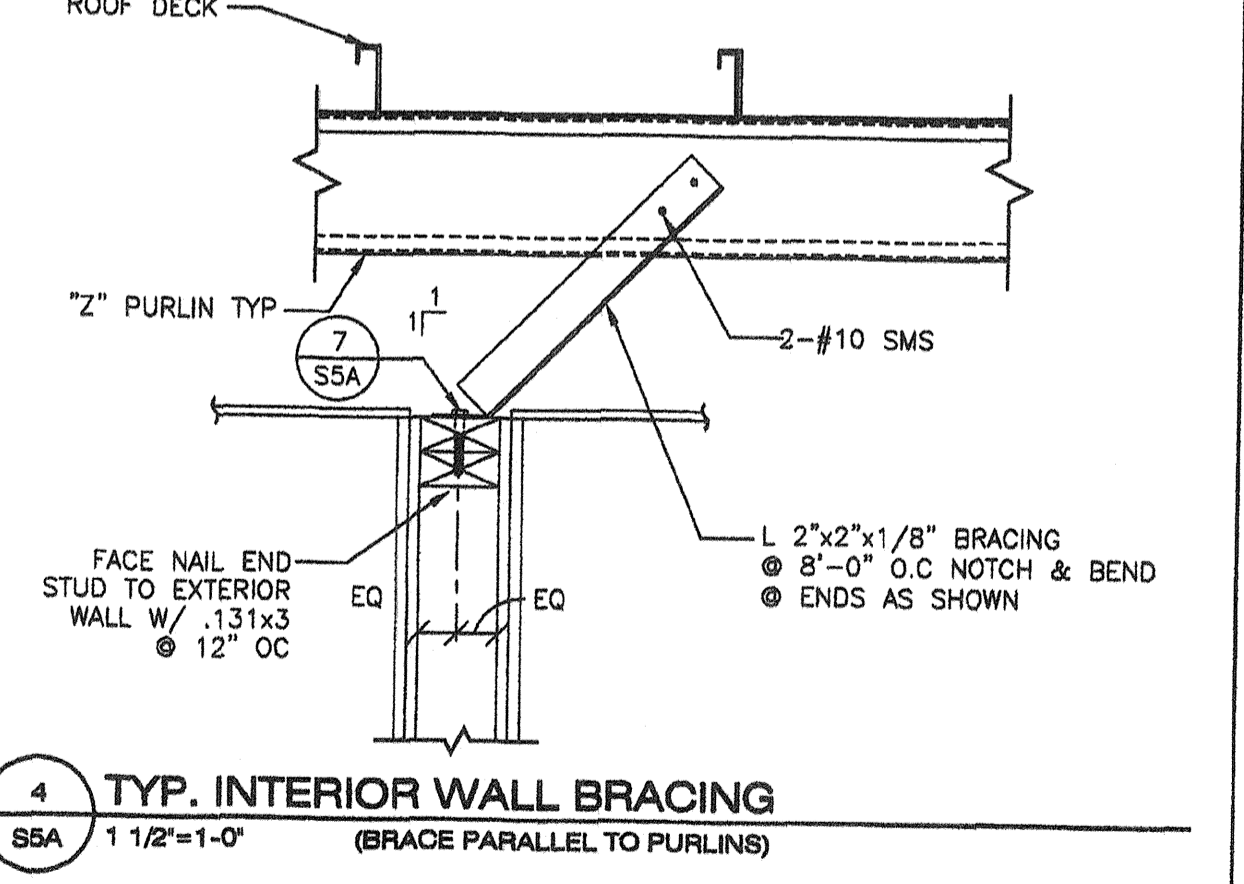
6A ALT. INTERIOR WALL BRACING w/EMT BRACE
SSA 1 1/2"-1-0" (BRACE PERPENDICULAR TO PURLINS)



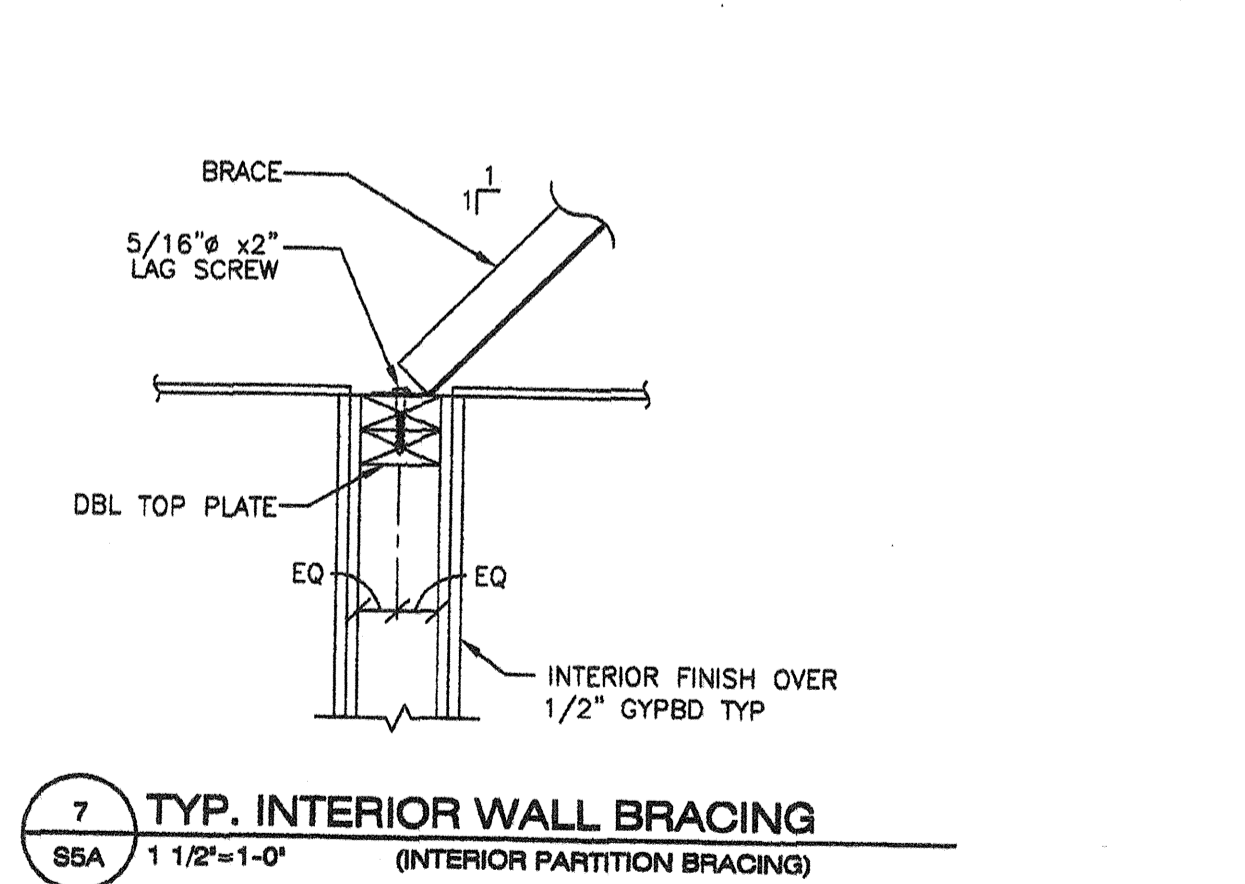
9 TYPICAL SIDING JOINT
SSA 1 1/2"-1-0"



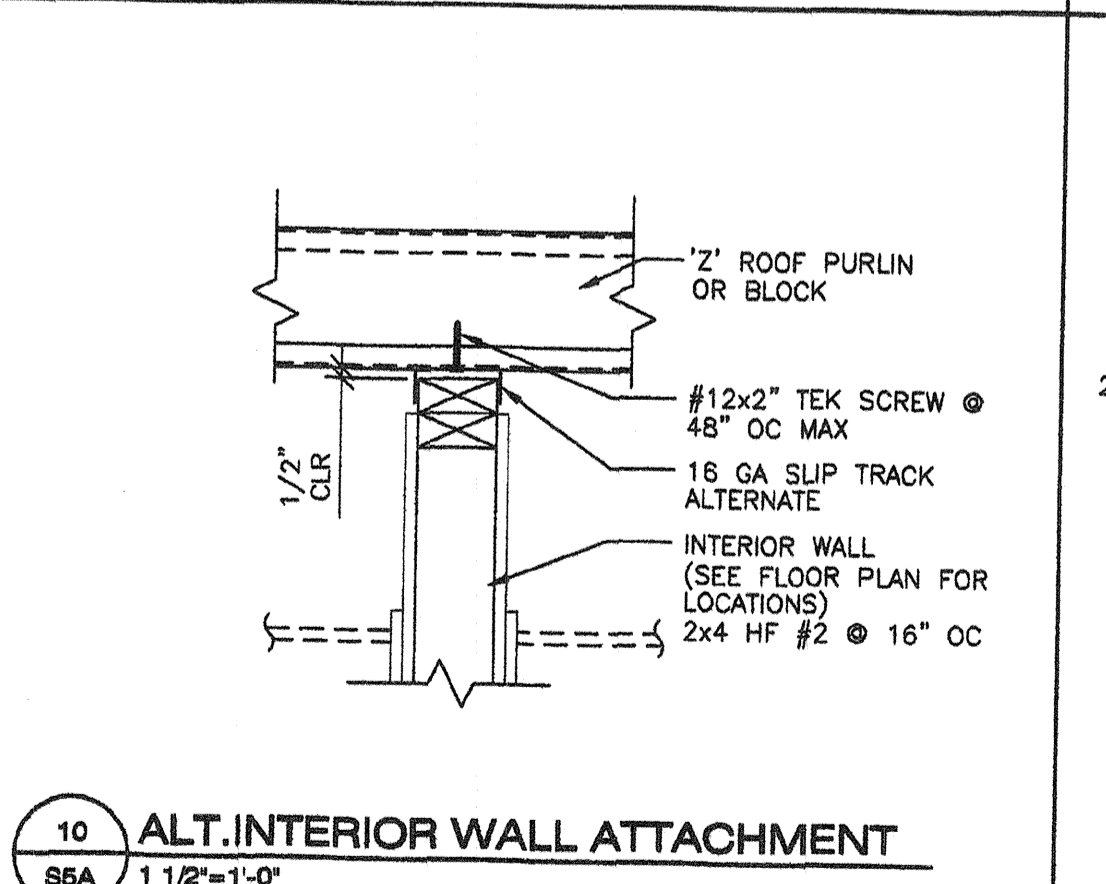
13 EXTERIOR WALL TO FLOOR TYP DETAIL
SSA 1 1/2"-1-0"



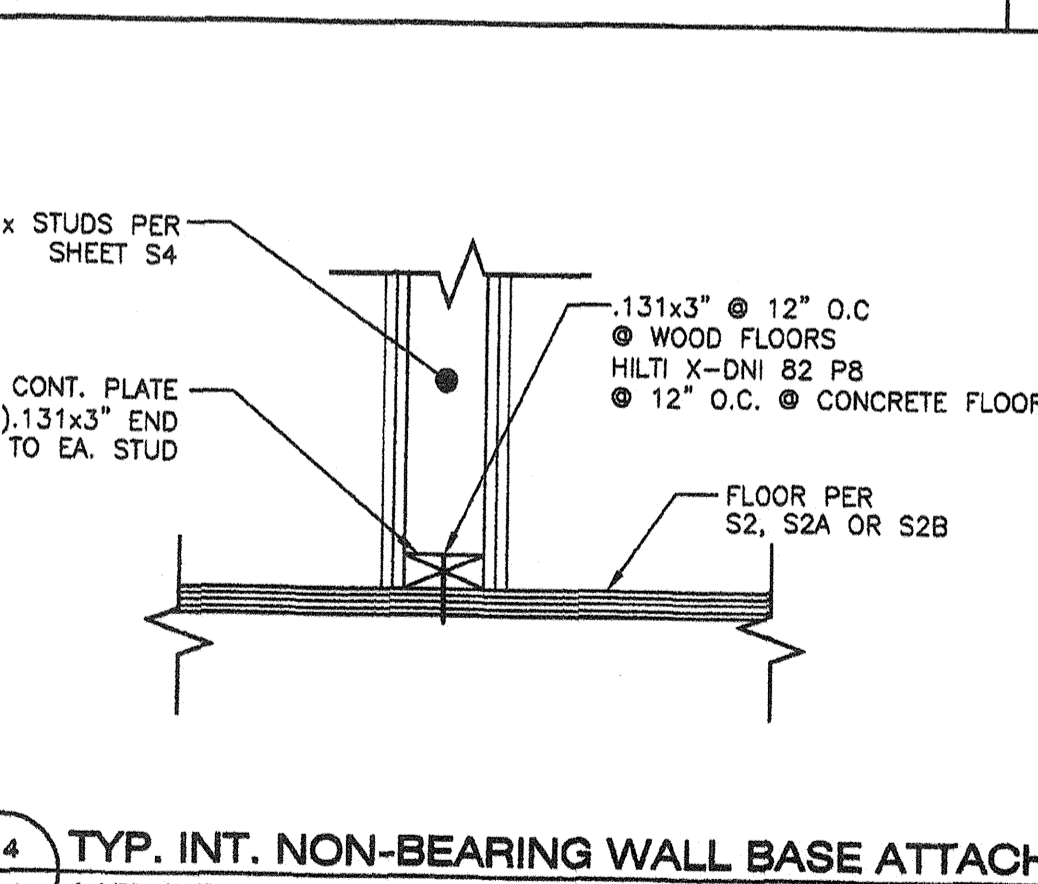
4 TYP. INTERIOR WALL BRACING
SSA 1 1/2"-1-0" (BRACE PARALLEL TO PURLINS)



7 TYP. INTERIOR WALL BRACING
SSA 1 1/2"-1-0" (INTERIOR PARTITION BRACING)



10 ALT. INTERIOR WALL ATTACHMENT
SSA 1 1/2"-1-0"



14 TYP. INT. NON-BEARING WALL BASE ATTACHMENT
SSA 1 1/2"-1-0" (WALL PARALLEL TO FLOOR JOISTS)

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
**12' x 40' RELOCATABLE BUILDINGS
WALL FRAMING DETAILS**

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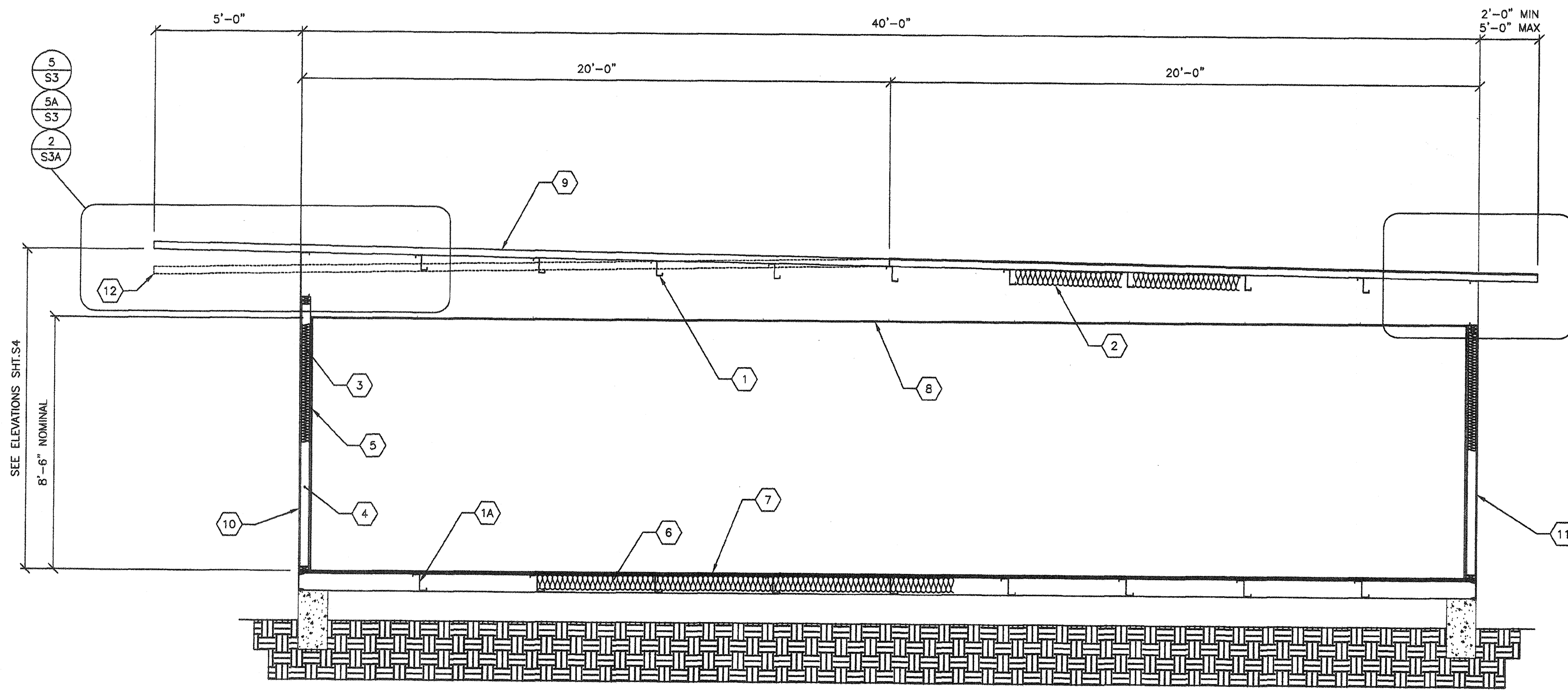
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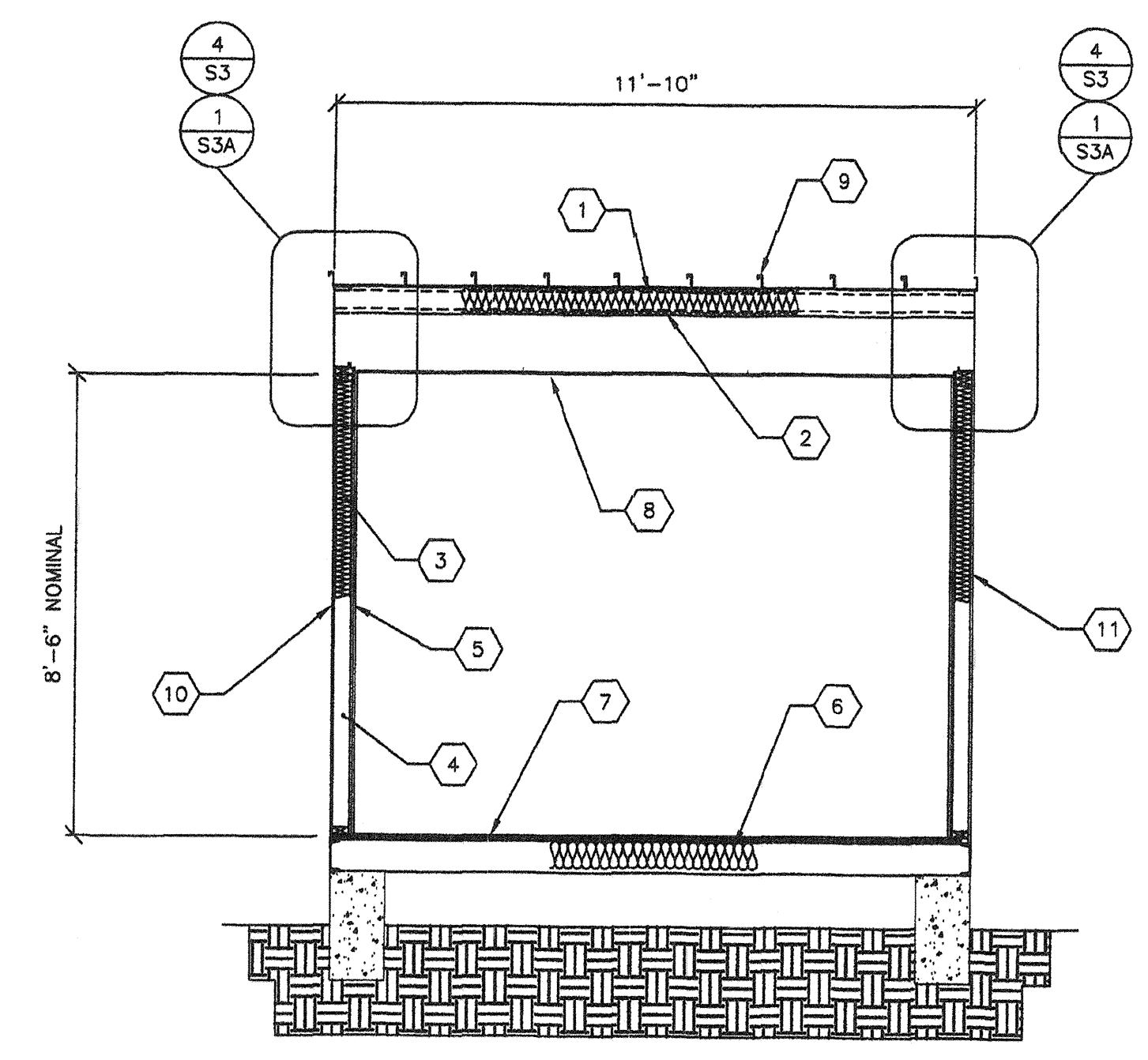
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PC 02-109808
AC FLS. SE
DATE: 4/1/09

PROJECT No.
S5A-R

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



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

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

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 02/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:
**12' x 40' RELOCATABLE BUILDINGS
BUILDING SECTIONS**

APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.
[Signature]
REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Little
No. 1418
EXP. 3-31-11
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109808
AC: 4 FLS: 53
DATE: 9-2-2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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PROJECT No.
S7-R

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