

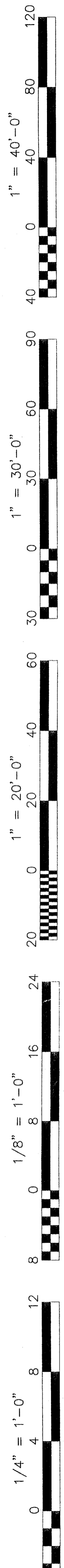
# FREMONT MAGNET ELEM. SCHOOL

## 14 NEW RELOCATABLE BLDGS.

### BAKERSFIELD CITY SCHOOL DISTRICT

#### 607 TEXAS ST.

#### BAKERSFIELD, CA 93307



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**TITLE SHEET**  
FREMONT MAGNET ELEM. SCHOOL  
14 NEW RELOCATABLE BLDGS.  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

BUILDING DATA	APPLICABLE CODES:
<p>OCCUPANCY = E TYPE OF CONSTRUCTION = 5B (NON-SPRINKLERED)</p> <p><b>PHASE #1</b> 7 CLASSROOMS @ 960 S.F. (30'x32') EA. = 6,720 S.F. ALLOWABLE AREA = 9,500 S.F. 6,720 PROPOSED &gt; 9,500 ALLOWABLE = OK</p> <p><b>PHASE #2</b> 7 CLASSROOMS @ 960 S.F. (30'x32') EA. = 6,720 S.F. ALLOWABLE AREA = 9,500 S.F. 6,720 PROPOSED &gt; 9,500 ALLOWABLE = OK</p>	<p>COMPLY WITH PART 1, TITLE 24, 2007 CCR. A COPY OF TITLE 24 SHALL BE ON SITE AT ALL TIMES. CONSTRUCTION SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:</p> <p>TITLE 24, CCR, PART 2, 2007 CBC (2006 IBC, WITH CALIFORNIA AMENDMENTS).</p> <p>TITLE 24, CCR, PART 3, 2007 CEC (2005 NEC, WITH CALIFORNIA AMENDMENTS).</p> <p>TITLE 24, CCR, PART 4, 2007 CMC (2006 UMC, WITH CALIFORNIA AMENDMENTS).</p> <p>TITLE 24, CCR, PART 5, 2007 CPC (2006 UPC, WITH CALIFORNIA AMENDMENTS).</p> <p>TITLE 24, CCR, PART 6, 2007 CEC</p> <p>TITLE 24, CCR, PART 9, 2007 CFC (2006 IFC, WITH CALIFORNIA AMENDMENTS).</p> <p>TITLE 19, CCR.</p> <p>NFPA 72, 2007 EDITION (AS PER CA AMENDMENTS)</p>
<p><b>INSPECTOR OF RECORD</b></p> <p>THIS PROJECT REQUIRES A CLASS 2 INSPECTOR. THE INSPECTOR OF RECORD SHALL BE DSA APPROVED AND CONFORM TO THE CLASSIFICATION CRITERIA AS PROVIDED IN INTERPRETATION OF REGULATIONS (IR) A-7, DATED JUNE 2006. THE INSPECTOR SHALL BE EMPLOYED BY THE DISTRICT AND APPROVED BY THE RESPONSIBLE ARCHITECT.</p>	

ABBREVIATIONS			
ABOVE FINISHED FLOOR ACCESSIBLE ACOUSTICAL ADJACENT ADJUSTABLE AIR CONDITIONING ALUMINUM ANCHOR BOLT BENT ANCHOR BOLT ANODIZED ARCHITECTURAL ASPHALT CONCRETE	ABV A.F.F. A.C.C. ADJ. ADJUST. A/C ALUM. AL. AB. BAB. AND. ARCH. A.C.	EACH ELECTRIC ELECTRIC DRINKING FOUNTAIN ELEVATION EQUAL EQUIPMENT ESTIMATE EXH. EXHAUST FAN EXISTING EXPANSION EXPANSION JOINT EXTERIOR	EA. ELEC. E.D.F. ELEV. EQ. EQU. EST. EXH. E.F. (C) EXP. E.J. EXT.
BACKBOARD BEAM BENCH MARK BETWEEN BLOCK BOTTOM BOUNDARY NAILING BUILDING	BACKBRD. BM B.M. BTWN. BLK BTM. BTM. B.N. BLDG.	FABRIC WALL COVERING FACE OF BLOCK FACE OF CONCRETE FACE OF STUD FACE OF WALL FACTORY FINISH FEET FOOT FEMININE NAPKIN DISPOSAL FIBER GLASS FINISH FIRE EXTINGUISHER CABINET FIRE RATED GYP. BD. FIXED GLASS FLAT HEAD FLOOR FLOOR DRAIN FLUORESCENT FOOTING FOUNDATION FRAMING	F.W.C. F.O.B. F.O.C. F.O.S. F.O.W. F.F. F.T. F.N.D. F.C. F.C. F.C.B. F.T. F.G. F.H. F.L.R. F.D. FLUOR. F.T.G. F.DN. FRM.G.
CABINET CADMIUM CARPET CARRIAGE BOLT CAST IRON CEILING CEILING DIFFUSER CEILING GRILLE CEILING REGISTER CEMENT CENTERLINE CERAMIC TILE CIRCUIT CLEANOUT CLEAR COLD WATER COLUMN COMBINATION/COMBUSTION COMPOSITION, COMPOSITE CONCRETE CONCRETE MASONRY UNIT CONSTRUCTION CONSTRUCTION JOINT CONTINUOUS CONTRACTOR COORDINATE COUNTERSINK	CAB. CAD. CPT. C.B. C.I. C.L. C.C. C.R. CEM. C.L. C.T. CRT. C.O. C.O. C.W. COL. COMB. COMP. CONC. CONC. CONC. COND. CONSTR. CONST. C.J. CONT. CONTR. COORD. CSK.	GAGE/GAUGE GALVANIZE GLASS GLASS BAR GRADE GROUND GYPSUM BOARD HARDWARE HEAD HEADER HEIGHT HOLLOW METAL HORIZONTAL HOT WATER HOSE BIBB INCH INSIDE DIAMETER/DIMENSION INSULATION INTERIOR	GA. GALV. GL. GL. G.B. GR. GRD. GYP. G.B. GYP.BD. H.D. HDR. HT. H.M. HORIZ. H.W. H.B. IN. I.D. INSUL. INT.
DEPARTMENT DEPTH, DEEP DETAIL DIAGONAL DIAMETER DIMENSION DISPENSER/DISPOSAL DIVISION DOOR DOUBLE DOWN DOWNSPOUT DRAWING DRINKING FOUNTAIN	DEPT. DEPT. DET. DIAG. DIA. DIM. DISP. DIV. DR. DBL. DN. D.S. DRWG. D.F.	QUARTER RADIUS RAINWATER LEADER RECEPTACLE REFLECTED REFRIGERATOR REINFORCING REMOVABLE REQUIRED RESILIENT REVISE, REVISION RIGHT HAND ROOF DRAIN RUBBER TOPSET BASE	QTR. R. R. R.L. R. REF. REF. REF. REF. REIN. REMOV. REQD. RES. REV. R.H. R.D. R.T.B.

**VICINITY MAP**

**THIS PROJECT SITE**  
14 NEW RELOCATABLE BLDGS.  
607 TEXAS ST.  
BAKERSFIELD, CA 93307

**GENERAL NOTES**

- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS
- CHANGES MADE TO THE APPROVED DRAWINGS AND SPECS SHALL BE MADE BY ADDENDUM OR CHANGE ORDER, APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROADS AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCE
- THE FOLLOWING SHALL BE ON THE JOB SITE PRIOR TO THE INSTALLATION OF THE UNIT, INCLUDING THE SERIAL NUMBER FOR EACH UNIT.  
A. IN-PLANT FINAL VERIFIED REPORT  
B. WELDING VERIFIED REPORT
- REFER TO RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ALL INFORMATION REGARDING THE RELOCATABLE BUILDINGS

G. THE EXISTING UTILITIES HAVE BEEN INVESTIGATED AND HAVE BEEN FOUND ADEQUATE FOR THE ADDITIONAL LOAD.

SHEET INDEX	
SHT. NO.	DESCRIPTION
<b>GENERAL</b>	
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2 OF 9	IMPROVEMENT & GRADING NOTES
3 OF 9	IMPROVEMENT & GRADING NOTES
4 OF 9	IMPROVEMENT & GRADING NOTES
5 OF 9	EXISTING CONDITIONS & DEMOLITION PLAN
6 OF 9	SITE IMPROVEMENT & GRADING PLAN
7 OF 9	SITE IMPROVEMENT & GRADING PLAN
8 OF 9	SITE IMPROVEMENT & GRADING PLAN
9 OF 9	SITE IMPROVEMENT & GRADING PLAN
<b>ARCHITECTURAL</b>	
A1.01	SITE DEMOLITION PLAN
A1.02	SITE PLAN
A1.03	ENLARGED SITE PLAN & FOUNDATION PLAN
A1.04	SITE DETAILS
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E1.2	SINGLE LINE DIAGRAM, DUCT BANK, AND PULL BOX SCHEDULES
E2.1	ELECTRICAL DEMOLITION SITE PLAN
E2.2	ELECTRICAL SITE PLAN
E2.3	FIRE ALARM SITE AND ROUTING PLAN
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E3.2	FIRE ALARM RISER DIAGRAMS
E3.3	NEW PORTABLE GROUP FIRE ALARM FLOOR PLANS
E4.1	TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN
E5.1	TYPICAL DETAILS
E5.2	TYPICAL DETAILS

**ARCHITECT'S STATEMENT**

ARCHITECT'S STATEMENT FOR PLANS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

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

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

SEE THE SHEET INDEX ON THIS SHEET FOR DRAWINGS OTHER THAN ARCHITECTURAL.

APPLICABLE:  STRUCTURAL  PLUMBING  MECHANICAL  ELECTRICAL

CIVIL  RELOCATABLE BLDG.

DATE: 8/17/09

SIGNATURE OF THE ARCHITECT/ENGINEER: [Signature]

DATE: 8/17/09

WHA, TITLE #14009  
CURTIS FLYNN, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.

C-28966  
LICENSED NUMBER

05-31-11  
EXPIRATION DATE

**SYMBOLS**

**SECTION KEY**  
SECTION IDENTIFICATION SHEET NUMBER

**DETAIL KEY**  
DETAIL NUMBER SHEET NUMBER

**INTERIOR ELEVATION KEY**  
ELEVATION DIRECTION  
ELEVATION IDENTIFICATION SHEET NUMBER

**ELEVATION DATUM**  
INDICATES HEIGHT IN RELATION TO 0'-0"

**ROOM NUMBER / FINISH TAG**  
OFFICE → ROOM NAME  
100 → ROOM NUMBER

**WINDOW SCHEDULE KEY**

**KEYNOTE SCHEDULE KEY**

**DOOR SCHEDULE KEY**

Stamp(s):

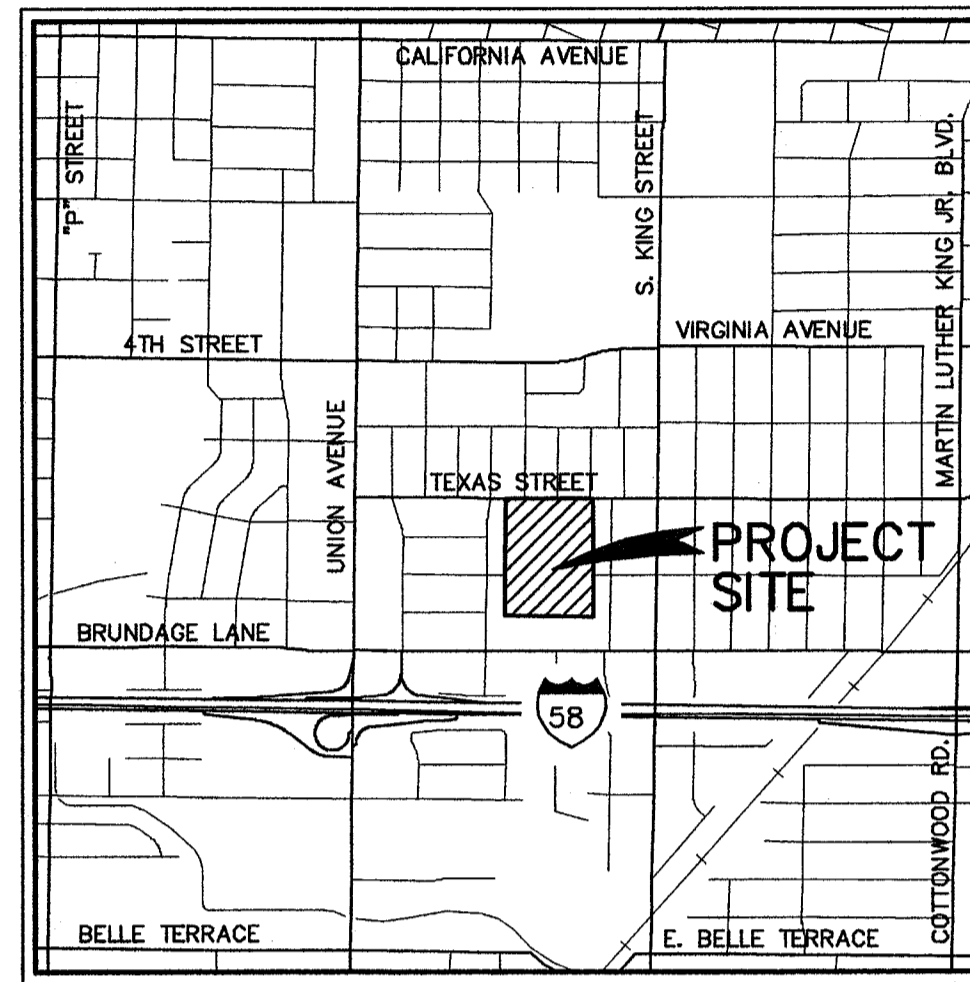
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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-112884  
ACQ. FILE # 15-6  
DATE: 8-18-09  
TRACKING # 63321-94

Job No.: **3829.1**

Sheet No.: **T1.01**

Release: -

# FREMONT ELEMENTARY SCHOOL SITE IMPROVEMENT AND GRADING PLANS FOR NEW CLASSROOM PORTABLES



VICINITY MAP  
NO SCALE

**BENCHMARK USED:**

FLOWLINE OF EXISTING CURB AND GUTTER, SOUTH SIDE OF TEXAS STREET NEAR EAST PROPERTY LINE OF FREMONT SCHOOL AND SHOWN ON THIS MAP AS PROJECT BENCH MARK.

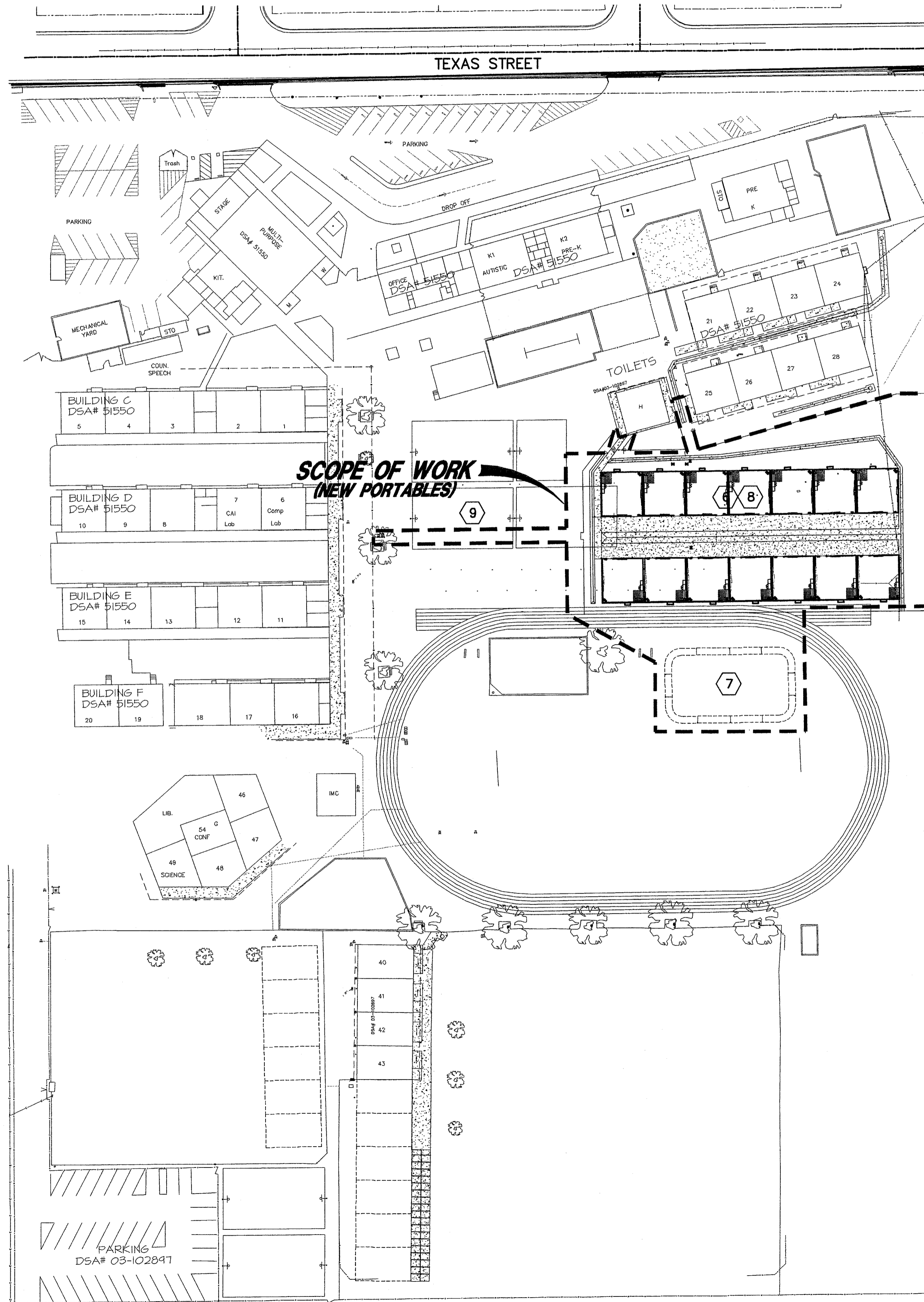
ELEVATION = 100.00 (ASSUMED)

**STATISTICS:**

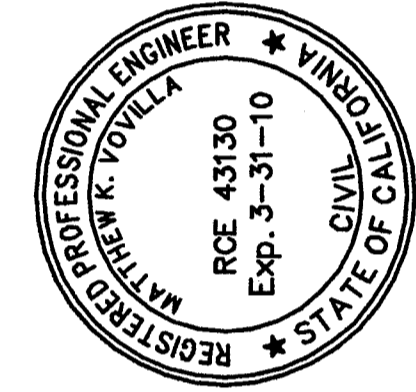
1. ASSESSOR'S PARCEL NUMBER: 139-440-01 & 139-440-08
2. APPROXIMATE ACREAGE: 0.93 ACRES
3. BUILDING SIZE: APPROXIMATELY 14,582 S.F.
4. WATER: ON-SITE
5. SEWER DISPOSAL: ON-SITE
6. DRAINAGE: ON-SITE
7. EXISTING LAND USE: SCHOOL SITE
8. PROPOSED LAND USE: SCHOOL SITE
9. FIRE PROTECTION: C.O.B.
10. ADDRESS: 607 TEXAS STREET  
BAKERSFIELD, CA 93307

**SHEET No. INDEX**

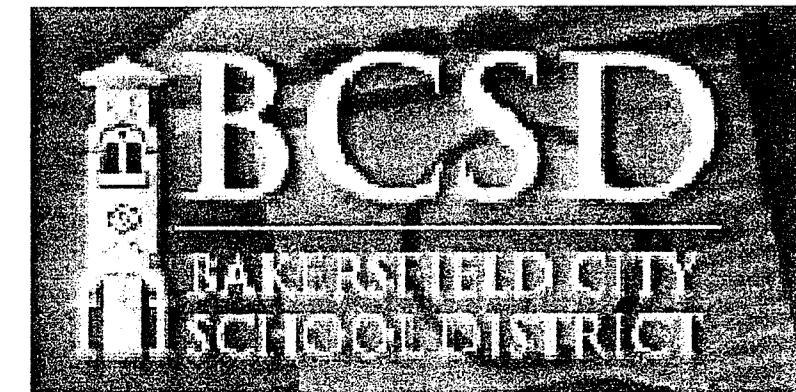
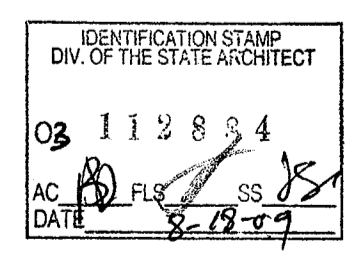
- 1 COVER SHEET
- 2 NOTES
- 3 DETAILS AND TYPICAL SECTIONS
- 4 STANDARD PLAN DETAILS
- 5 EXISTING CONDITIONS & DEMOLITION PLAN
- 6 GRADING SHEET - NEW CLASSROOMS
- 7 GRADING SHEET - STORM-WATER DISPOSAL AREA
- 8 UTILITY PLANS (SEWER & WATER)
- 9 UTILITY PLANS (SEWER & WATER)



KEY MAP  
SCALE: 1"=50'



8/17/2009	DATE
REVISIONS	
MATTHEW K. YOVILLA	
RCE 43130 EXP. 3/31/10	



**Pinnacle Civil Engineering, Inc.**  
2161 Saturn Court, Bakersfield, CA 93308  
Phone: (661) 869-0184 Fax: (661) 377-0076

**SITE IMPROVEMENT & GRADING PLAN  
FREMONT ELEMENTARY  
607 TEXAS STREET  
BAKERSFIELD, CALIFORNIA**

JOB No.:	09-389
DWG NO.:	09-389-BM03
DATE:	08/17/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	1
OF 9 SHEETS	

**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 INSURE 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.
- 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 DONE BY THE CONTRACTOR.
- 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, DESIGN ENGINEER, AND BUILDING OFFICIAL 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 OF THE TOP OF EXISTING OR PLANNED CUT SLOPES.
- THE CUT AND FILL QUANTITIES ARE CALCULATED USING A COMPACTION FACTOR OF .1.30. 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 THIS SHEET. 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 THE 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 (NO 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:**

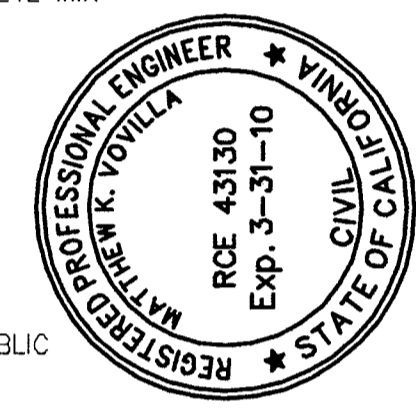
- CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION WITHIN THE LIMITS OF WORK.
- SEE ARCHITECT'S PLANS FOR DEMOLITION SPECIFICATIONS WITHIN AREAS OF NEW STRUCTURES AND HARDSCAPE.
- ALL NECESSARY DEMOLITION WITHIN THE LIMITS OF WORK SHALL BE PERFORMED BY THE CONTRACTOR. EXISTING IRRIGATION SHALL BE CUT AND CAPPED AT APPROPRIATE LOCATIONS UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL EXISTING IRRIGATION APPURTENANCES WITHIN THE LIMITS OF WORK SHALL BE REMOVED AND DISPOSED OF.
- ALL TREES AND PLANTINGS WITHIN THE WORK LIMITS SHALL BE COMPLETELY REMOVED, INCLUDING ROOT BALLS.
- ALL MATERIAL GENERATED FROM DEMOLITION AND GRADING, INCLUDING EXCESS SOIL, PLANTS, PIPING, CONCRETE, ASPHALT CONCRETE, TRASH OR DEBRIS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LAWS AND ORDINANCES.

**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 ALL 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 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.
- 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.
- ~~PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE CITY CONSTRUCTION INSPECTION DEPARTMENT SHALL BE GIVEN 24 HOURS NOTICE (661) 328-3049.~~
- 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 INSPECTOR OF RECORD.
- 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. HE 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.
- COMPACTION TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE NUMBER AND LOCATION OF REQUIRED TESTS SHALL BE DETERMINED BY THE I.O.R. 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 CONTRACTOR'S RESPONSIBILITY TO REPAIR THE TRENCH AND PIPING TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S 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.
- 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.
- 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.
- 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.
- CLASS II BEDDING AND EMBANKMENT IS REQUIRED FOR ALL PLASTIC SEWER PIPE WITHIN THE PIPE ZONE.
- CONTRACTOR TO VERIFY POSITIVE SLOPE FROM MANHOLE PRIOR TO CONNECTING STUB. IF THE POSITIVE SLOPE DOES NOT EXIST, REPLACE STUB TO MANHOLE.

**ASPHALT CONCRETE PAVING:**

- ASPHALT CONCRETE: ASPHALT CONCRETE SHALL BE TYPE A (MODIFIED) FOR ALL ARTERIAL AND COLLECTOR STREETS AND TYPE B (MODIFIED) FOR LOCAL STREETS 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 367. 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 NEAT 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.
- 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."

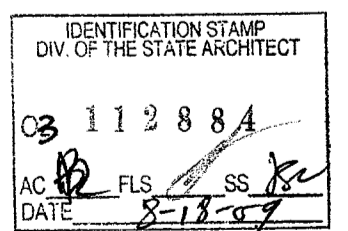


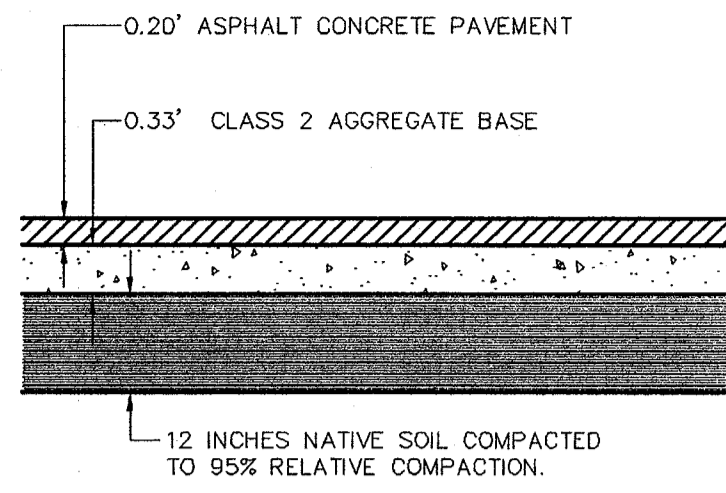
**PINNACLE Civil Engineering, Inc.**  
 2161 Saturn Court, Bakersfield, CA 93308  
 Phone: (661) 869-0184 Fax: (661) 377-0076

8/17/2009	DATE
RCE 43130 EXP. 3/31/10	
MATTHEW K. VOVILLA	REVISIONS

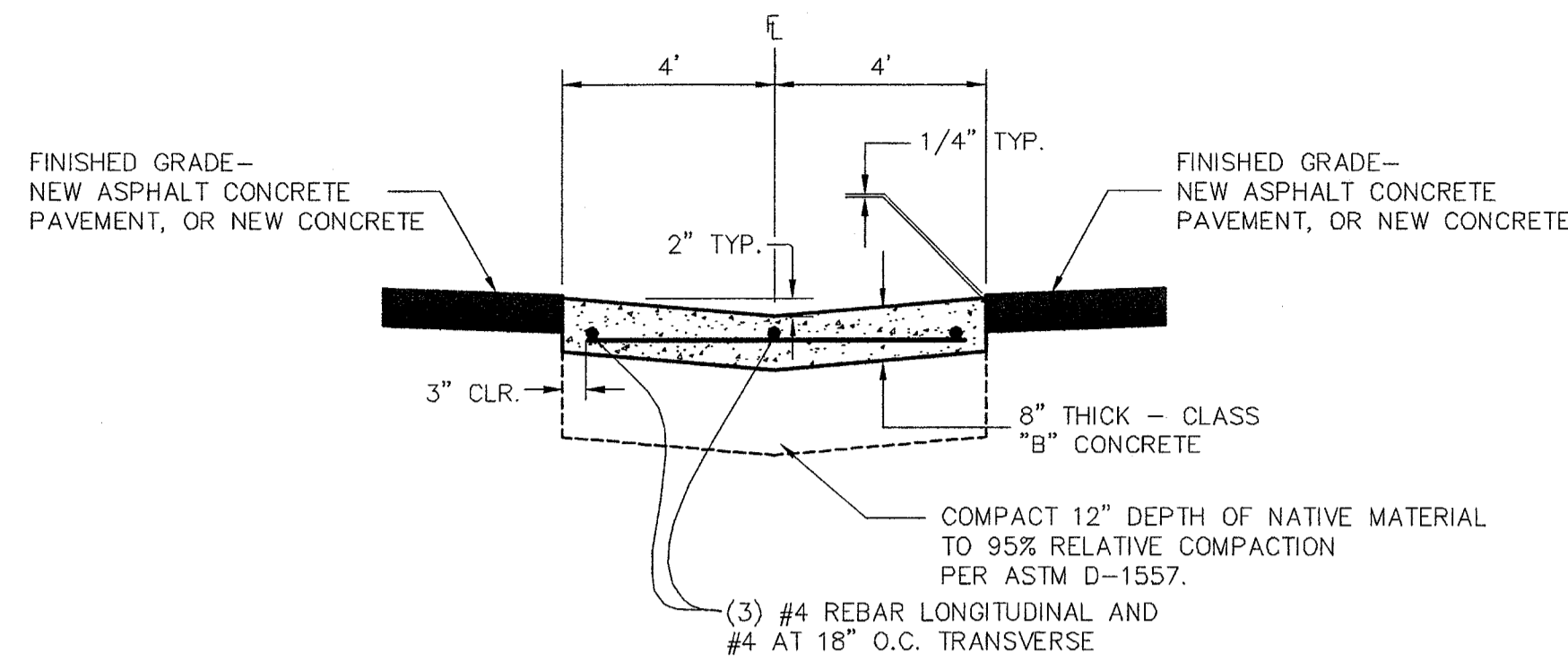
**IMPROVEMENT & GRADING NOTES**  
**FREMONT ELEMENTARY**  
**607 TEXAS STREET**  
**BAKERSFIELD, CALIFORNIA**

JOB NO.:	09-389
DWG NO.:	09-389-BM03
DATE:	08/17/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	2
	OF 9 SHEETS

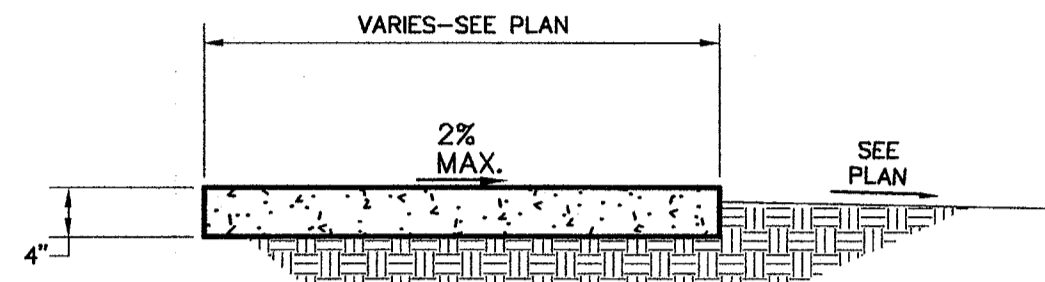




**A**  
**3** TYPICAL PAVING SECTION  
N.T.S.

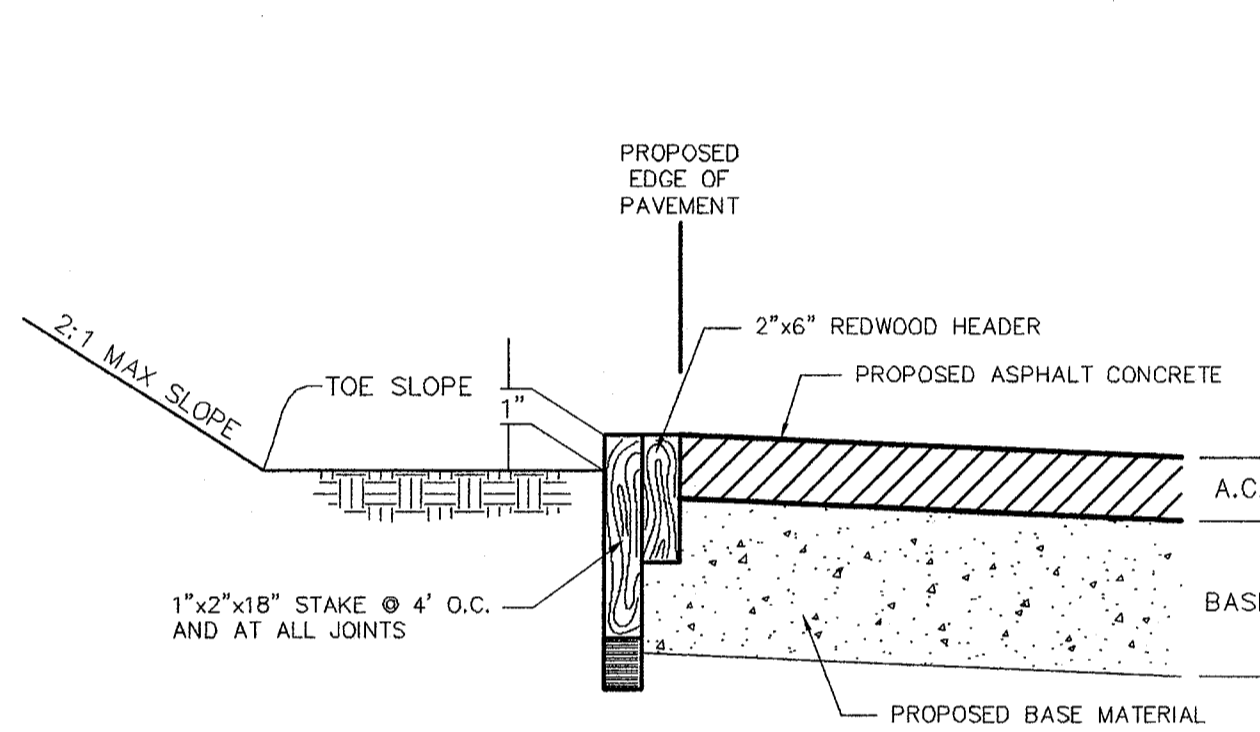


**E**  
**3** 8' CONCRETE "V" GUTTER  
N.T.S.

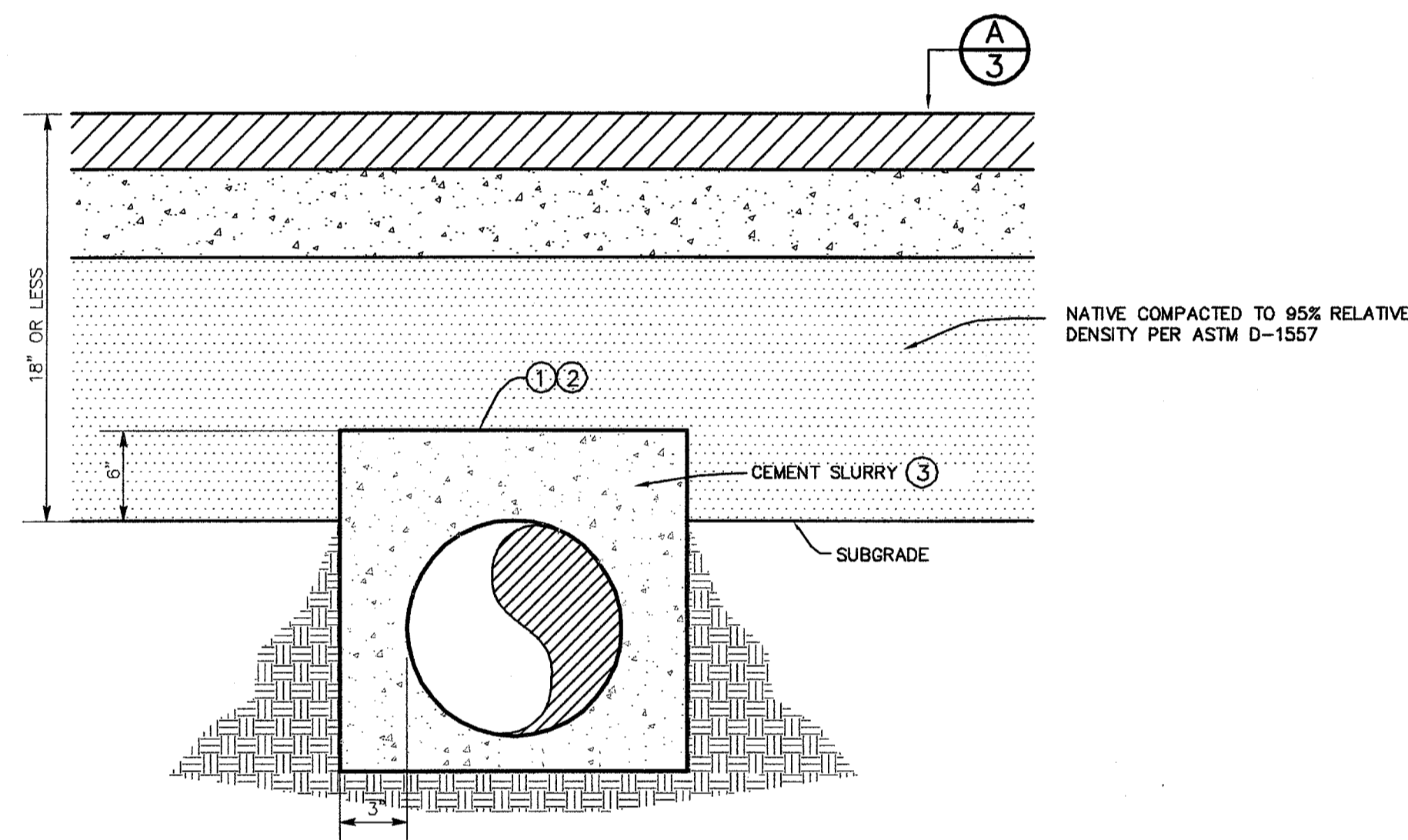


NOTE: OBTAIN 95% RELATIVE COMPACTION FOR A DEPTH OF 12" BENEATH ALL CONCRETE, PER ASTM D-1557

**B**  
**3** CONCRETE WALK  
N.T.S.



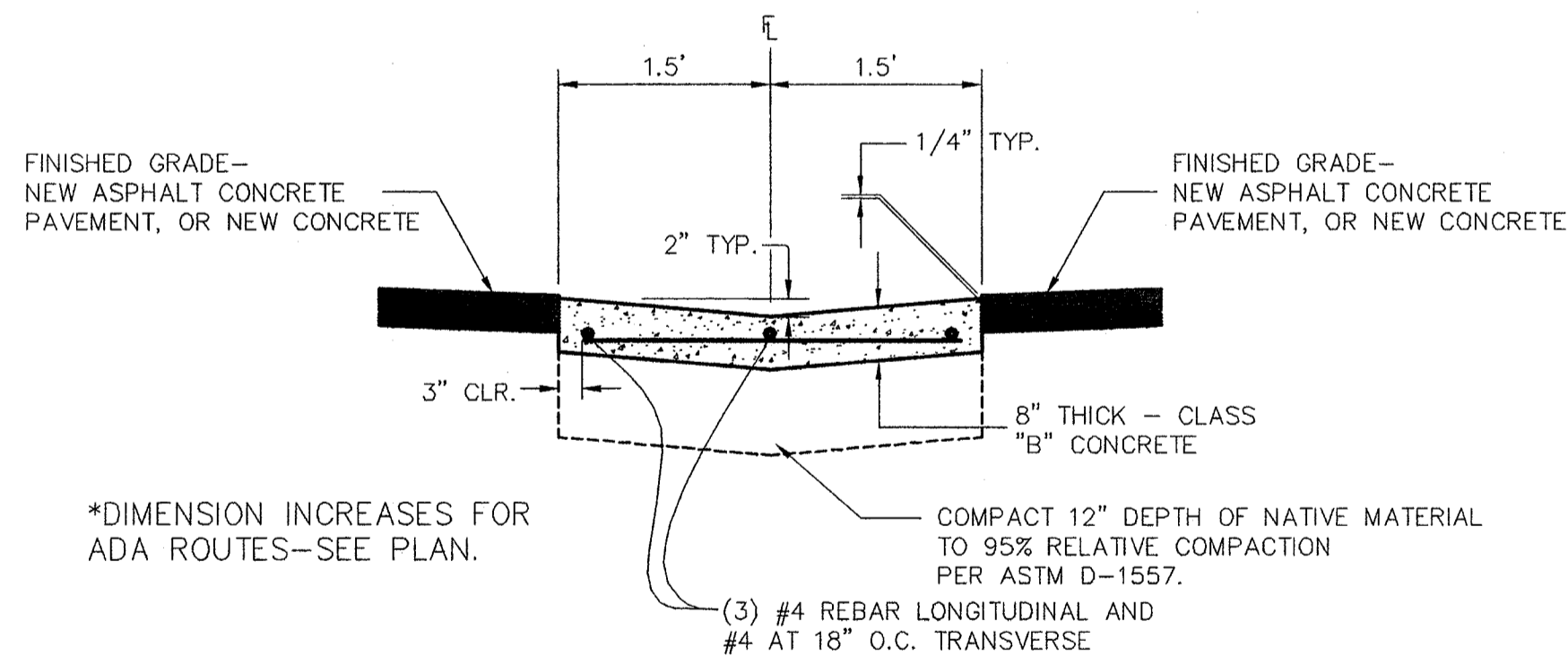
**C**  
**3** REDWOOD PAVING BOARD  
N.T.S.



**NOTES:**

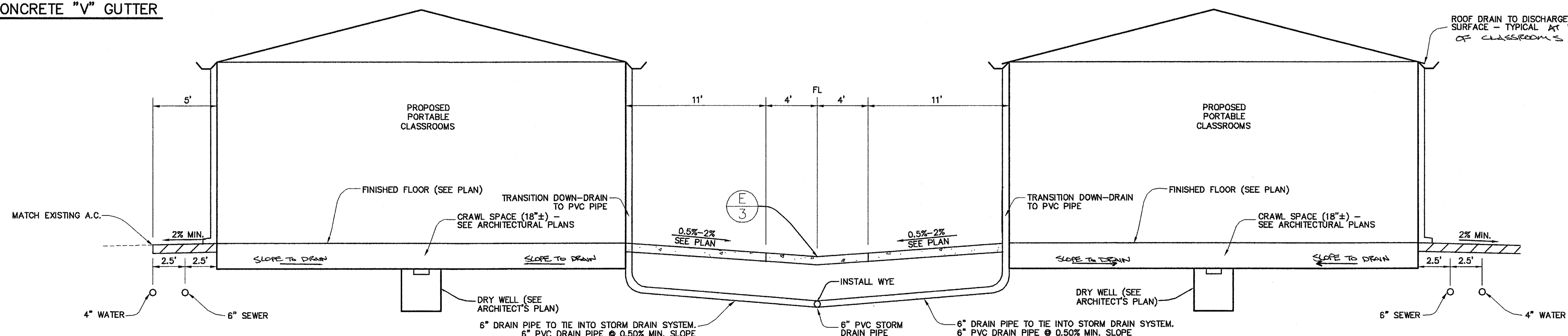
- ① SLURRY BACKFILL TO BE USED IN PAVED AREAS WHERE COVER IS 18" OR LESS.
- ② SLURRY TO ENCRANCH INTO SUB-GRADE TO ACHIEVE 6" OF SLURRY COVER OVER PIPE.
- ③ SLURRY SHALL BE 1-SACK CONCRETE MIX.

**F**  
**3** TRENCH SLURRY BACKFILL (WHEN LESS THAN 18" OF COVER)  
N.T.S.



\*DIMENSION INCREASES FOR ADA ROUTES-SEE PLAN.

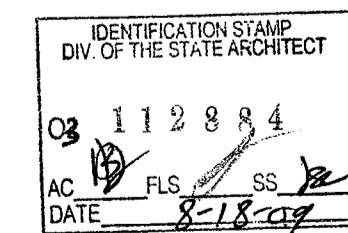
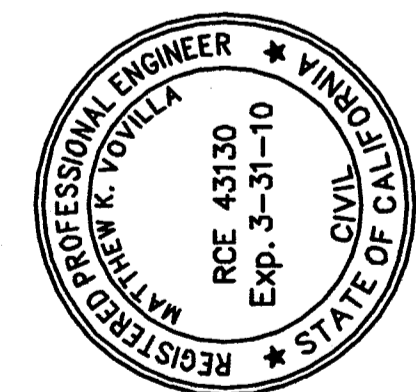
**D**  
**3** 3' CONCRETE "V" GUTTER  
N.T.S.



**G**  
**3** FINISH GRADING / SURFACE SECTION  
N.T.S.

**CONSTRUCTION NOTES-GRADING & SITE IMPROVEMENTS**

- ① PRIOR TO FINISH GRADING, THE BUILDING PAD SHALL BE OVEREXCAVATED AND RECOMPACTED TO A MINIMUM DEPTH OF \_\_\_ INCHES BELOW NATURAL GROUND OR FINISHED PAD ELEVATION, WHICHEVER IS LOWER. OVEREXCAVATION AND RECOMPACTION SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE BUILDING PERIMETER.
- ② CONTRACTOR SHALL RESEARCH ALL EXISTING UTILITIES, AND SHALL "POTHOLE" TO VERIFY LOCATION AND DEPTH. EXCEPT AS OTHERWISE NOTED ON THESE PLANS, ALL EXISTING UTILITIES SHALL BE PROTECTED IN-PLACE.
- ③ PLACE AND COMPACT ASPHALT CONCRETE PAVEMENT OVER AGGREGATE BASE OVER COMPACTED SUBGRADE IN ACCORDANCE WITH DETAIL (A/3).
- ④ CONSTRUCT REDWOOD HEADER BOARD PER DETAIL (C/3). REMOVE AND RECONSTRUCT EXISTING FENCE TO COMPLETE PROPOSED CONSTRUCTION.
- ⑤ CONSTRUCT 5" THICK PORTLAND CEMENT CONCRETE WALKWAY PER DETAIL (B/3).
- ⑥ INSTALL 6-INCH DIAMETER PVC STORM DRAIN PIPE AS SHOWN. IF COVER IS LESS THAN 18-INCHES, TRENCH SHALL BE BACKFILLED WITH 1-SACK CEMENT SLURRY PER DETAIL (F/3).
- ⑦ INSTALL 8-INCH DIAMETER PVC STORM DRAIN PIPE AS SHOWN. IF COVER IS LESS THAN 18-INCHES, TRENCH SHALL BE BACKFILLED WITH 1-SACK CEMENT SLURRY PER DETAIL (F/3).
- ⑧ INSTALL 24-INCH SQUARE CONCRETE CATCH BASIN - CHRISTY U215 WITH HS20 AND ADA COMPLIANT GRATE - OR APPROVED EQUAL. SEE SHEET 4 FOR DETAIL.
- ⑨ SAWCUT EXISTING SURFACE AND JOIN. MATCH EXISTING GRADE. REMOVE AND DISPOSE OF EXISTING MATERIAL AS NECESSARY.
- ⑩ CONSTRUCT 8-FOOT WIDE CONCRETE CROSS GUTTER PER DETAIL (E/3).
- ⑪ CONSTRUCT 3-FOOT WIDE CONCRETE CROSS GUTTER PER DETAIL (D/3).
- ⑫ EXCAVATE STORM WATER DETENTION AREA AS SHOWN ON PLAN.
- ⑬ ALTERNATE TO STORM WATER DETENTION AREA, INSTALL STORM TECH SYSTEM - SEE DETAIL (A/4).
- ⑭ INSTALL ROCK WELL IN STORM WATER DETENTION AREA AS SHOWN ON PLAN, AND PER DETAIL (A/4).
- ⑮ INSTALL ROCK WELL IN CRAWL SPACE OF EACH PORTABLE. SEE ARCHITECT'S PLANS FOR DETAILS.
- ⑯ ADJUST ALL UTILITY BOXES, CLEAN-OUTS, AND VALVE COVERS TO FINISHED GRADE.
- ⑰ SEE ARCHITECT'S PLANS.
- ⑱ JOIN EXISTING WATER LINE. EXISTING IMPROVEMENTS SHALL BE SAWCUT, REMOVED AND REPLACED IN KIND, AS NECESSARY TO MAKE CONNECTION AND EXTEND WATER LINE.
- ⑲ ADJUST ALL UTILITY AND VALVE BOXES TO FINISHED GRADE AFTER INSTALLATION OF AC PAVEMENT. CONCRETE COLLARS SHALL BE POURED AROUND ALL VALVE BOXES AND CLEAN-OUTS. SAWCUT NEW AC PAVEMENT PRIOR TO POURING COLLARS.
- ⑳ REMOVE EXISTING CLEANOUT AND CONNECT TO EXISTING SEWER. ONCE EXISTING SEWER IS EXPOSED, CONTACT ENGINEER TO "SHOOT" ELEVATION OF EXISTING LINE, AND MAKE ADJUSTMENT OF SEWER DESIGN GRADES.
- ㉑ INSTALL 6-INCH PVC SDR 35 SEWER LINE. SEWER SHALL BE INSTALLED AT A SLOPE NOT LESS THAN 0.5 PERCENT. SEE ALSO NOTE (27).
- ㉒ INSTALL SEWER CLEAN-OUT PER CITY OF BAKERSFIELD STANDARD SW-5. INCLUDE CONCRETE COLLAR. SAW-CUT AC PRIOR TO POURING COLLAR.
- ㉓ INSTALL 4-INCH DOMESTIC WATER LINE - PVC C900.
- ㉔ INSTALL WATER LINE GATE VALVE AND VALVE BOX PER CITY OF BAKERSFIELD WATER STANDARD W-12. INSTALL CONCRETE COLLAR PER STANDARD.
- ㉕ INSTALL THRUST BLOCKS AT ALL ANGLE POINTS PER CITY OF BAKERSFIELD STANDARD W-2. SEE ALSO SHEET 4 FOR DETAIL.
- ㉖ INSTALL BLOW-OFF WITH VALVE BOX PER CITY OF BAKERSFIELD STANDARD W-4. SEE ALSO SHEET 4 FOR DETAIL.
- ㉗ INSTALL 4-INCH SEWER LATERAL WITH WYE AND CLEAN-OUT. MAKE CONNECTION TO EACH PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION.
- ㉘ INSTALL 4-INCH DOMESTIC SERVICE WITH CORPORATION STOP AND METER BOX. MAKE CONNECTION TO PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION.
- ㉙ ANY UNDERGROUND UTILITIES WITH LESS THAN 18-INCHES OF COVER SHALL BE BACKFILLED WITH CONCRETE SLURRY PER DETAIL (F/3).
- ㉚ INSTALL SEWER MANHOLE PER CITY OF BAKERSFIELD STANDARD SW-5.
- ㉛ CONNECT ROOF-DRAIN TO STORM DRAIN SYSTEM USING SEWER-TYPE "WYE" FITTING. INSTALL ABOVE-GROUND CLEANOUT PER ARCHITECT'S PLANS.
- ㉜ CONCRETE JOINTS: EXCEPT AS OTHERWISE DIRECTED BY THE DISTRICT, INSTALL FIBER EXPANSION JOINTS AT DRAINAGE STRUCTURES; SAWCUT JOINTS AT 10-FOOT INTERVALS IN VEE-GUTTER; SAWCUT JOINTS AT EVEN INTERVALS, NOT TO EXCEED 15-FEET EACH WAY IN SIDEWALK. JOINTS SHALL BE LAID OUT FOR ENGINEER'S APPROVAL PRIOR TO CUTTING.

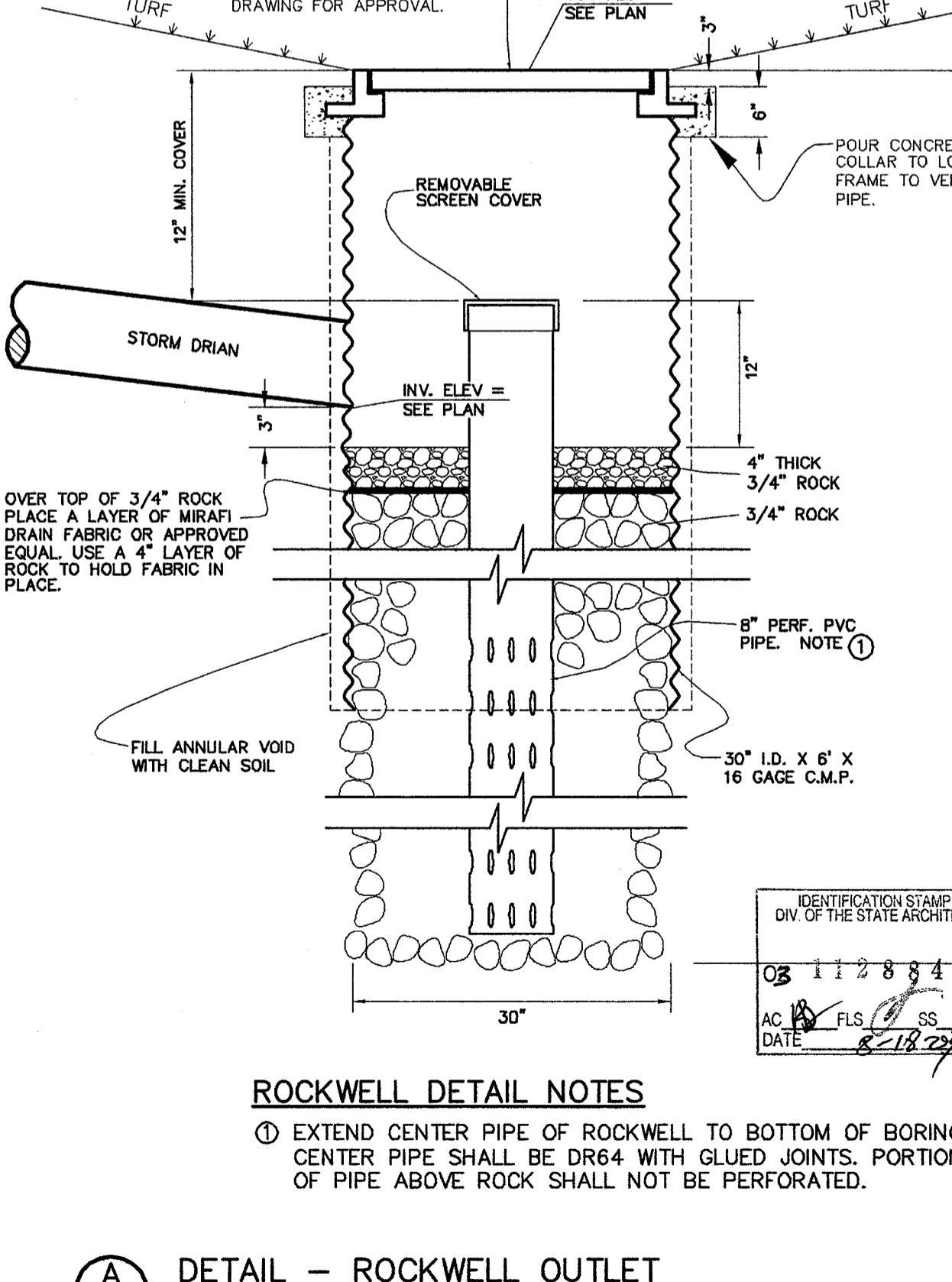
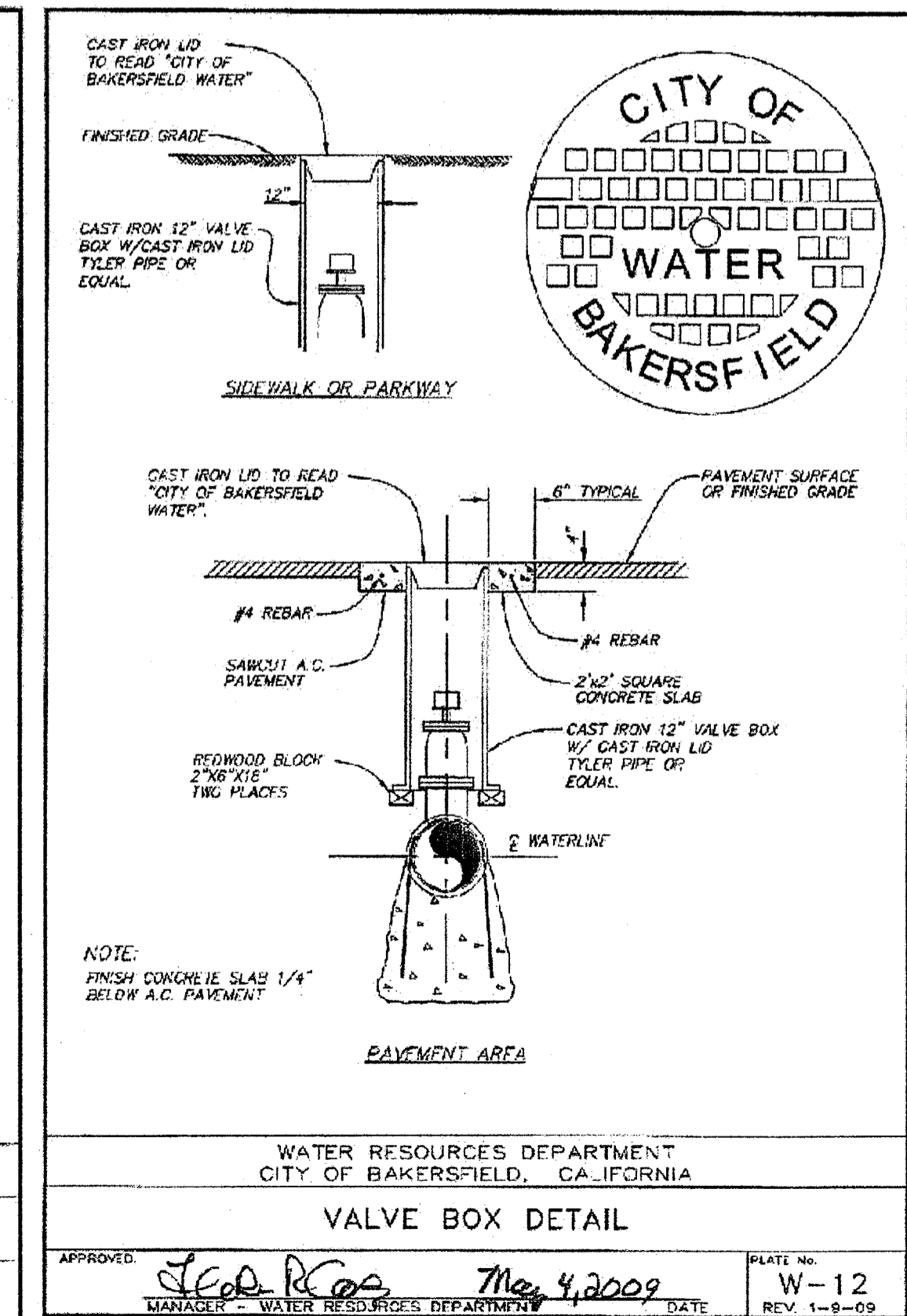
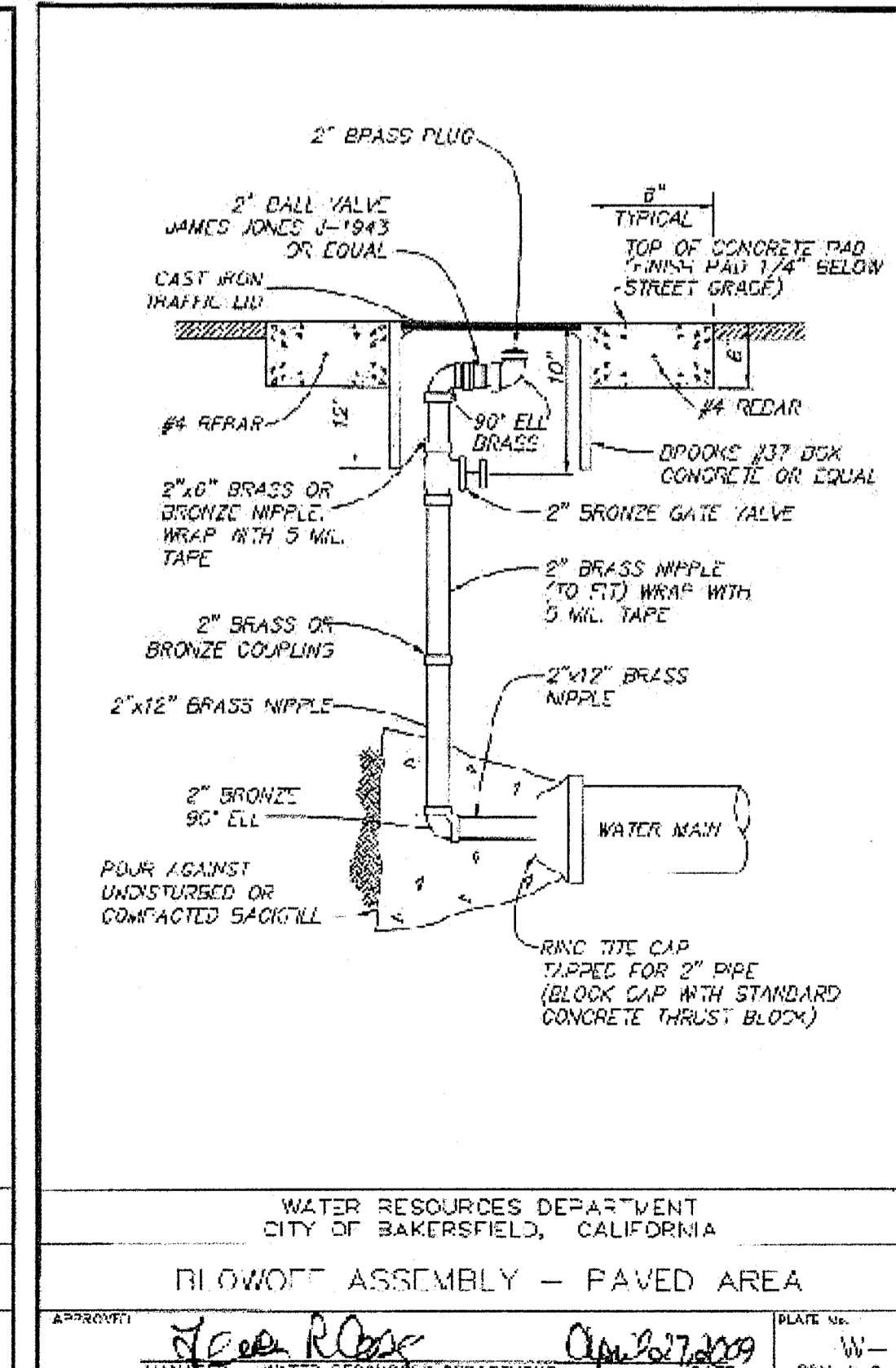
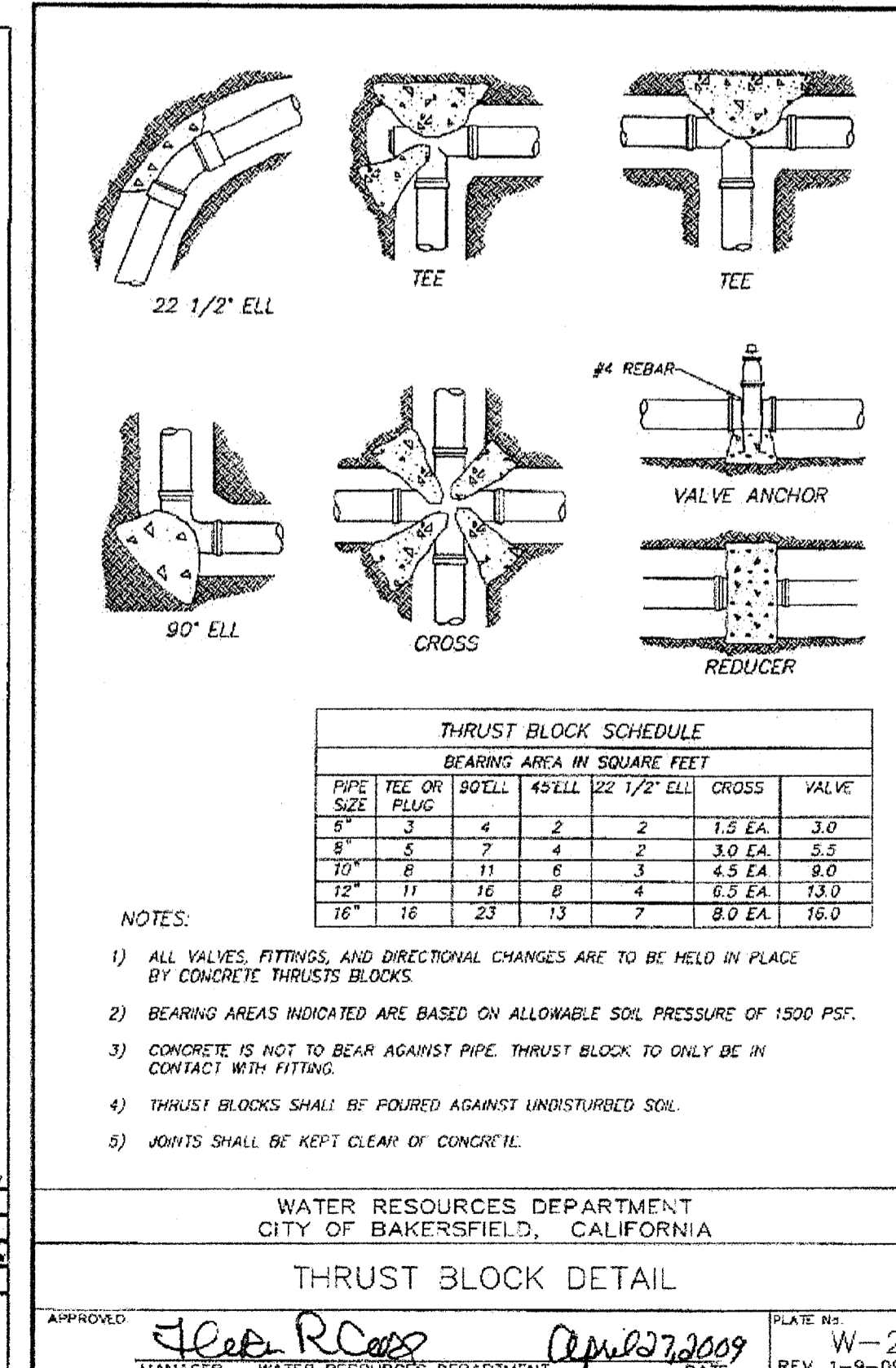
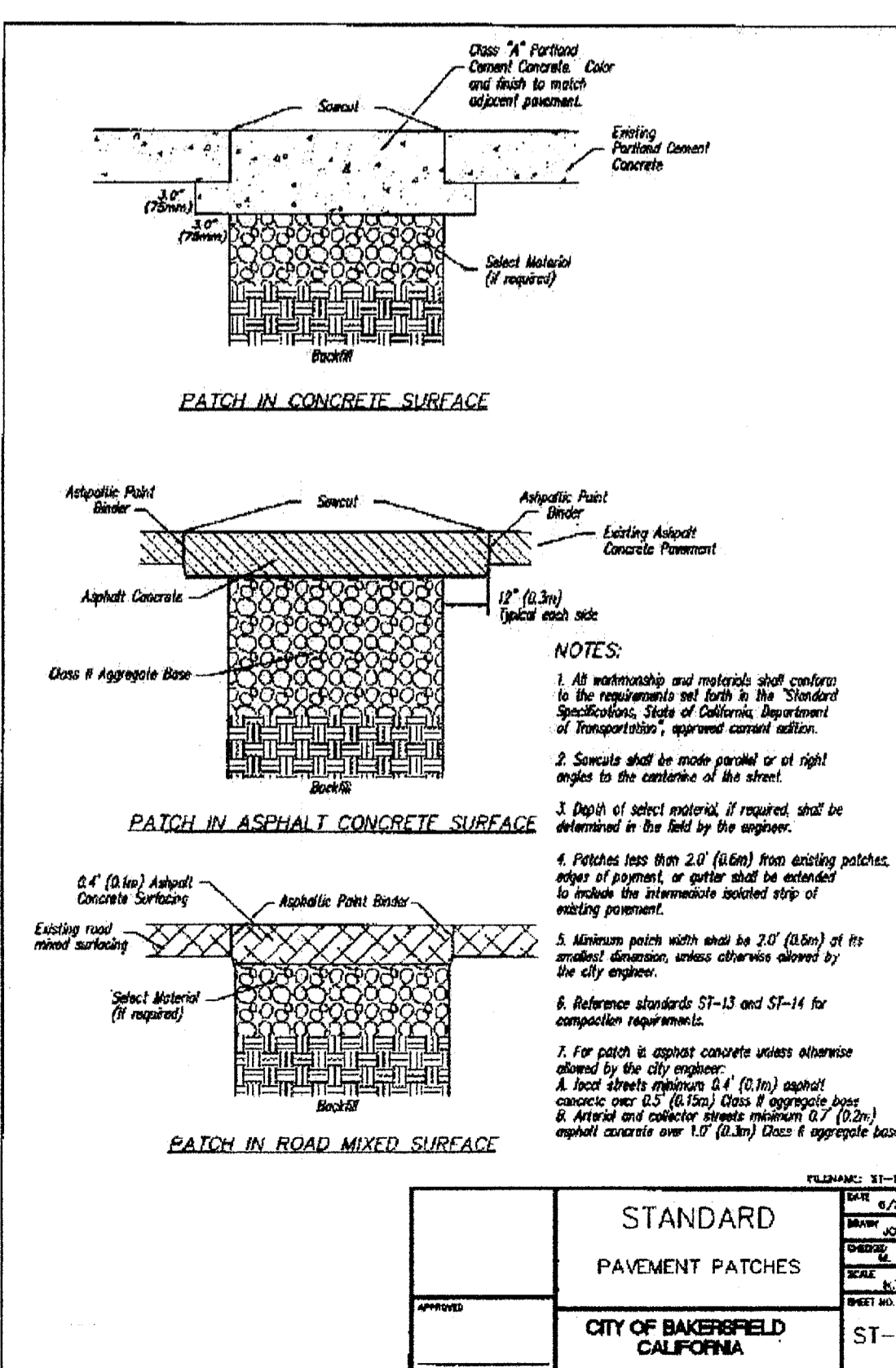
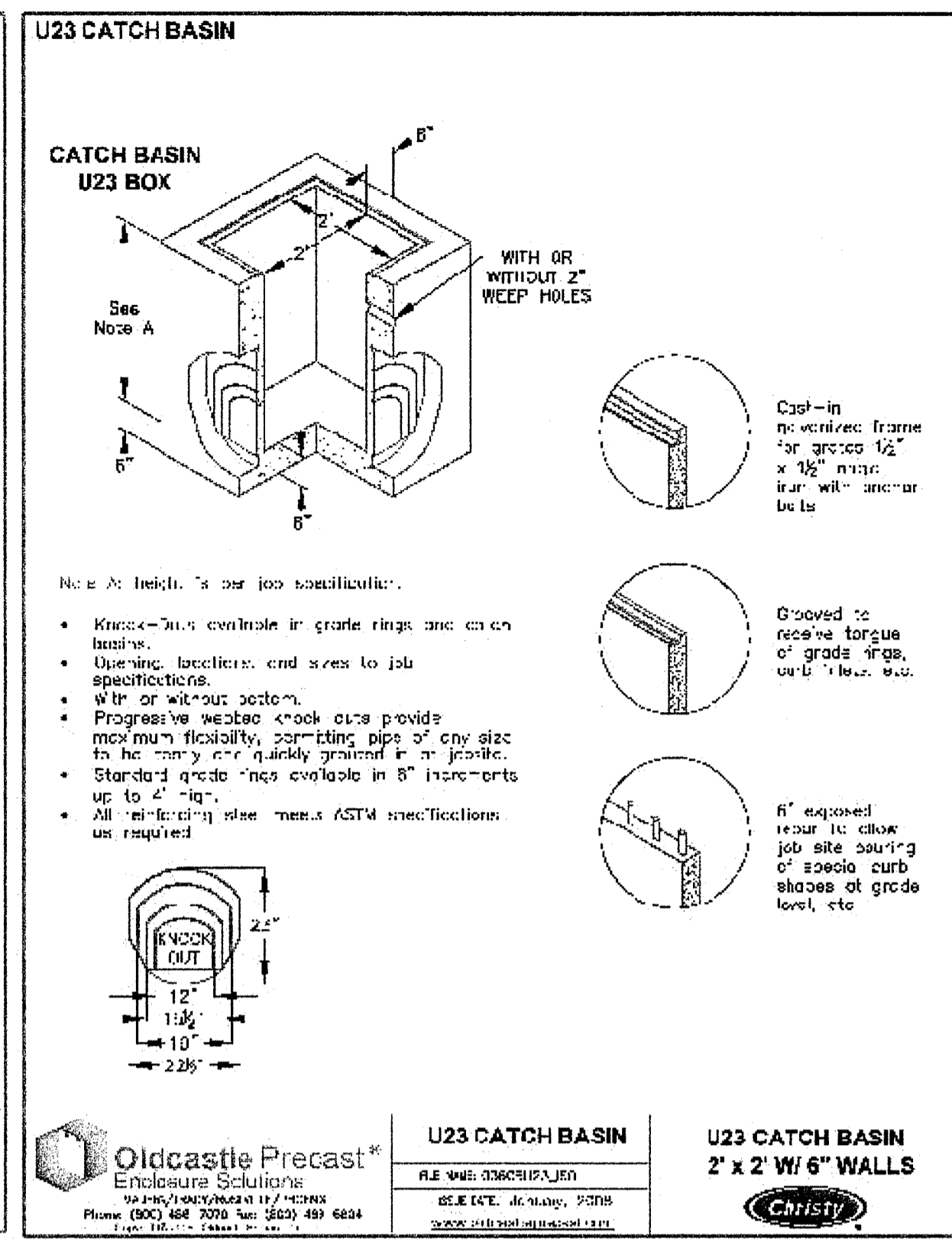
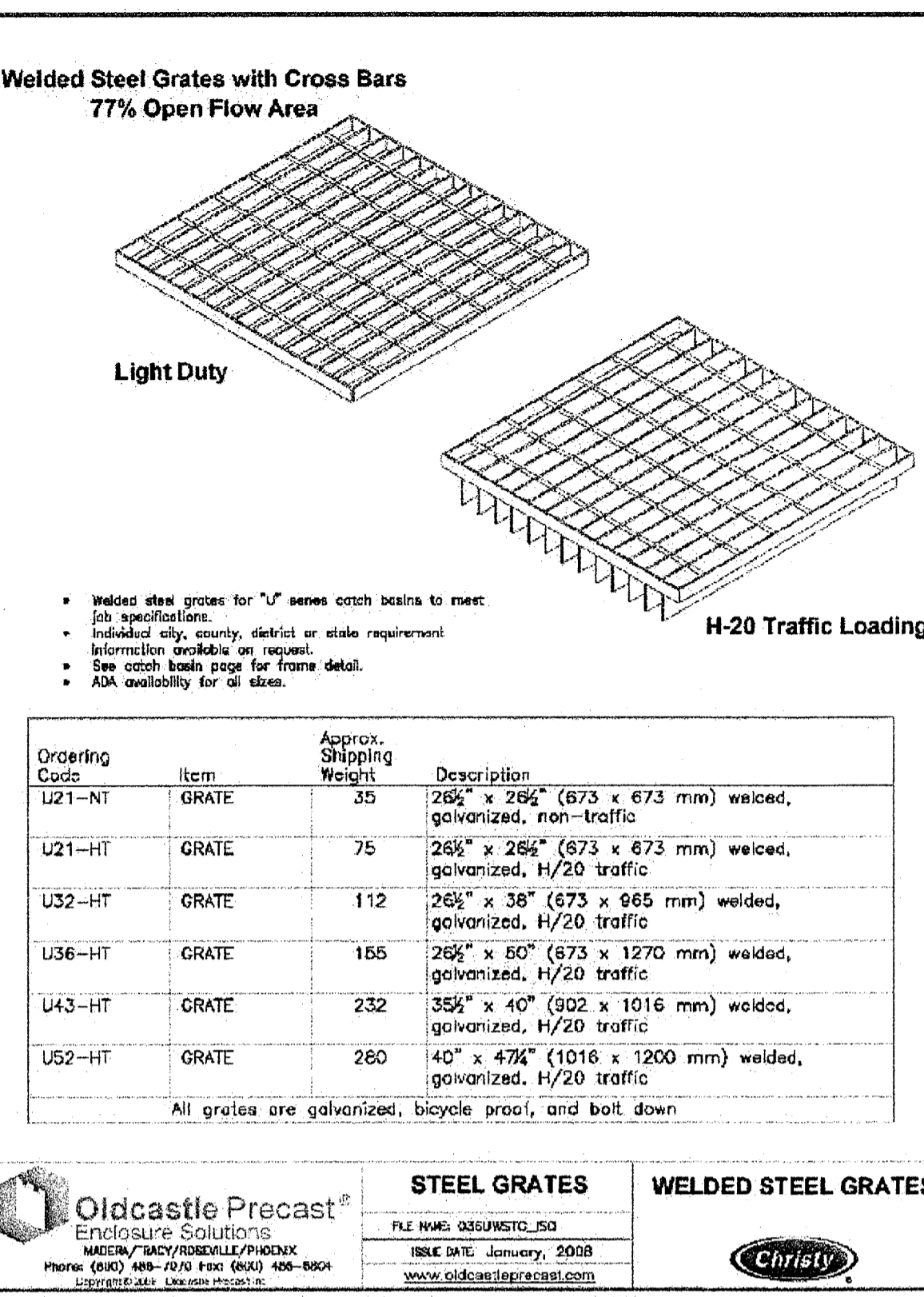
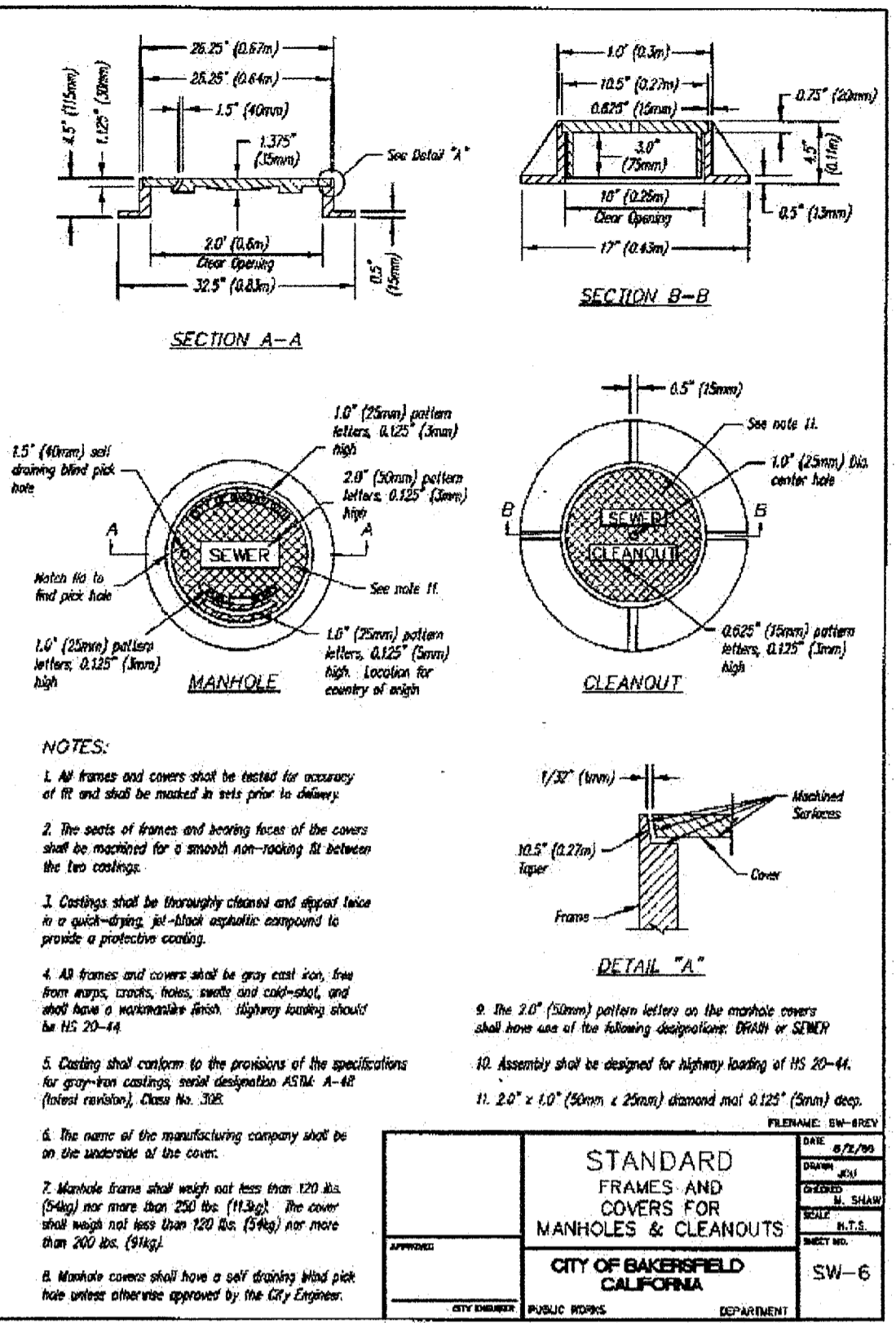
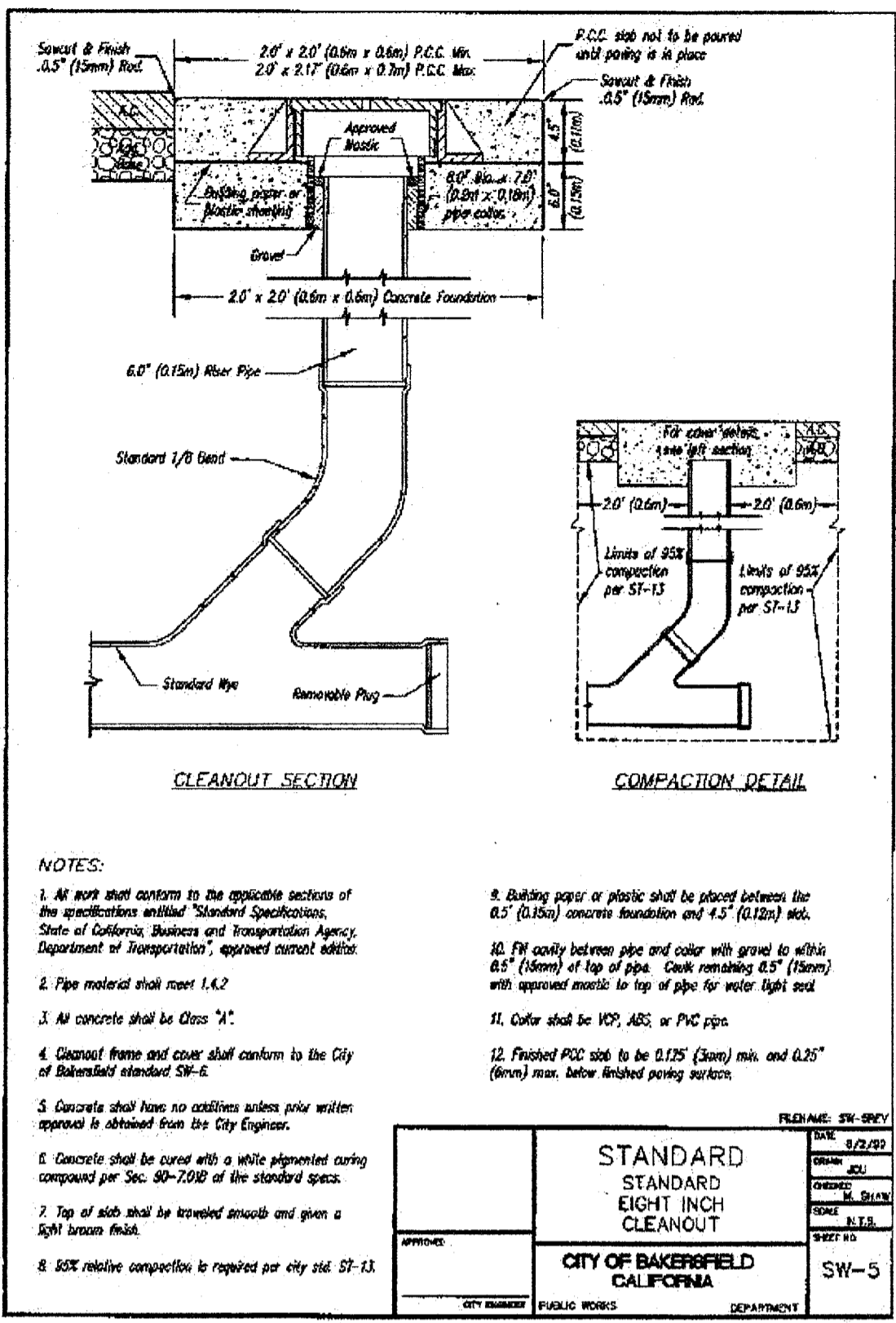
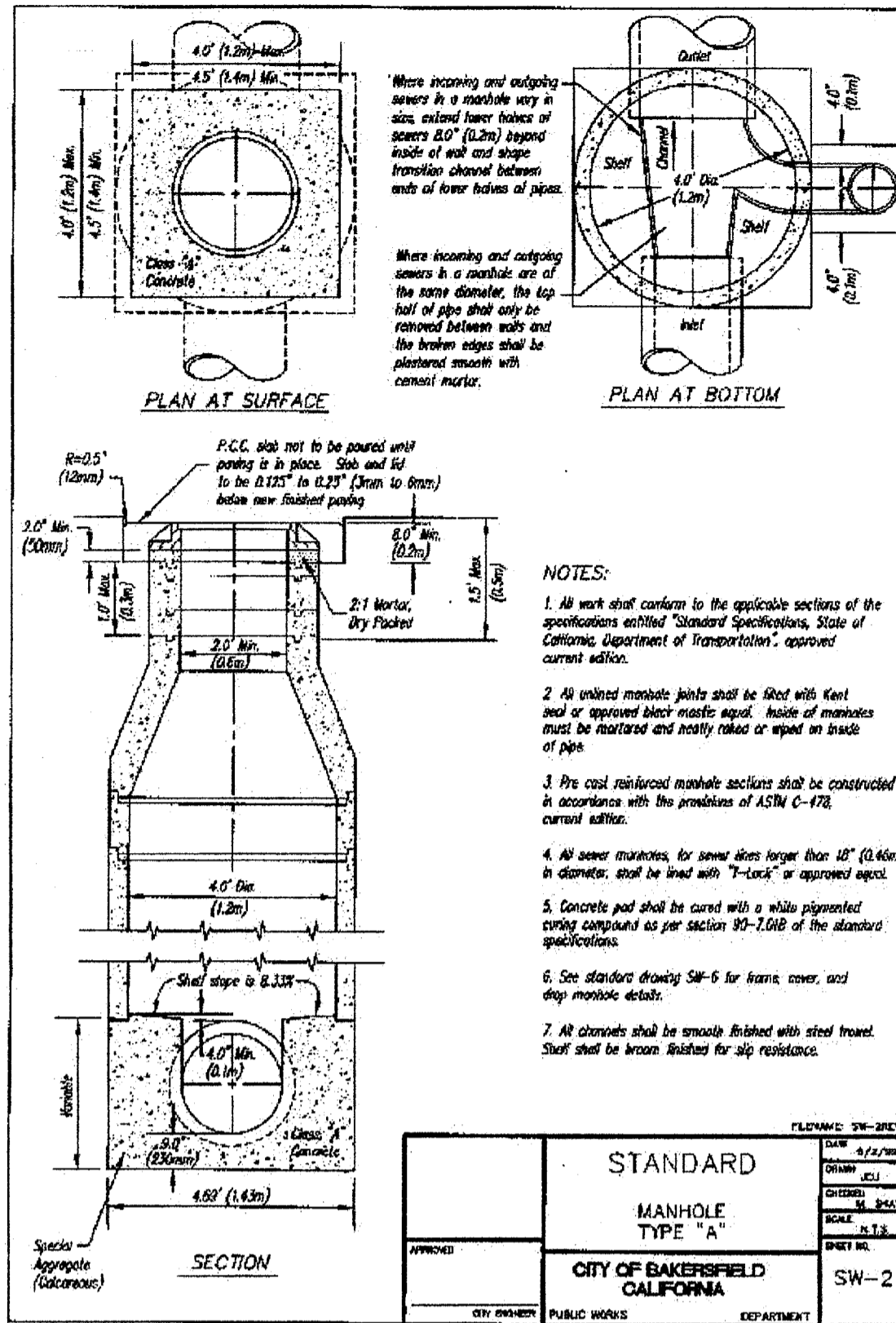


**PINNACLE Civil Engineering, Inc.**  
2161 Saturn Court, Bakersfield, CA 93308  
Phone: (661) 869-0184 Fax: (661) 377-0076

8/17/2009	DATE
RCE 43130 EXP. 3/31/10	DATE
MATTHEW K. VOVILLA	REVISIONS

**IMPROVEMENT & GRADING NOTES**  
**FREMONT ELEMENTARY**  
**607 TEXAS STREET**  
**BAKERSFIELD, CALIFORNIA**

JOB NO.:	09-389
DWG NO.:	09-389-BM03
DATE:	08/17/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	3
OF 9 SHEETS	



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

8/17/2009  
RCE-08180 EXP. 03/1/10  
MATTHEW K. VOIVILLA  
REVISIONS

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
NO. 43130  
Exp. 3-31-10

**IMPROVEMENT & GRADING NOTES**  
**FREMONT ELEMENTARY**  
**607 TEXAS STREET**  
**BAKERSFIELD, CALIFORNIA**

JOB No.: 08-389  
DWG No.: 08-389-BMD3  
DATE: 08/17/2009  
DRAWN BY: ADK  
CHECKED BY: MKV  
SHEET 4 OF 9 SHEETS

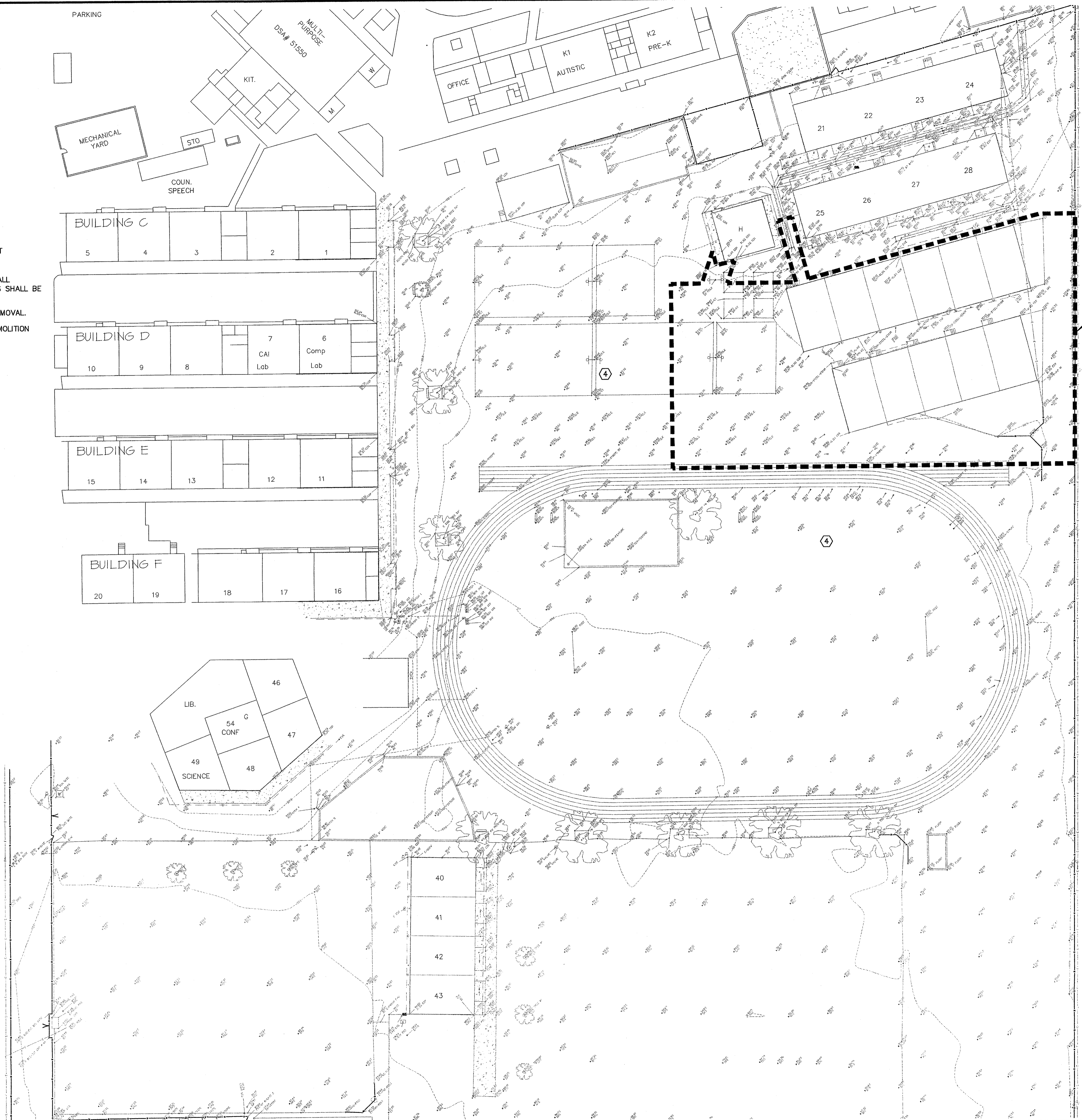
**LEGEND (EXISTING CONDITIONS)**

- AC ASPHALT CONCRETE
- AP ANGLE POINT
- BC BEGINNING CURVE
- CO CLEANOUT
- EP EDGE OF PAVEMENT
- EX. EXISTING
- FL FLOWLINE
- NG NATURAL GROUND
- TOC TOP OF CONCRETE
- WV WATER VALVE
- EXISTING GROUND CONTOUR
- EXISTING TREE

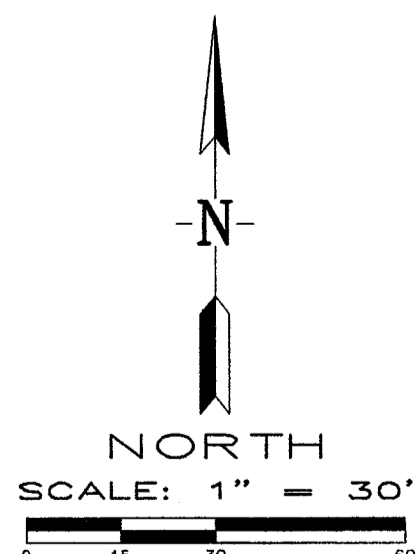
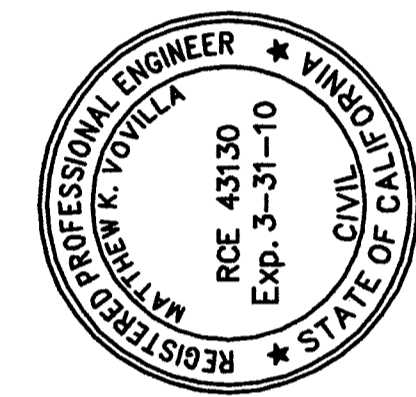
■■■■■■■■■■ LIMITS OF DEMOLITION

**NOTES (THIS SHEET ONLY):**

- ① THIS SHEET PROVIDED TO SHOW EXISTING CONDITIONS CLEARLY.
- ② THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND PIPELINES HAVE NOT BEEN SHOWN ON THESE PLANS. THE EXACT DEPTH AND LOCATION OF UNDERGROUND UTILITIES SHALL BE DETERMINED PRIOR TO ANY GROUND DISTURBANCE.
- ③ CONTRACTOR SHALL RESEARCH ALL EXISTING UTILITIES, AND SHALL "POTHOLE" TO VERIFY THEIR LOCATIONS. ALL EXISTING UTILITIES SHALL BE PROTECTED IN-PLACE.
- ④ SEE SHEET 6 & 7 FOR SPECIFIC LIMITS OF SAWCUTTING AND REMOVAL.
- ⑤ SEE ARCHITECT'S PLAN AND CONTRACT SPECIFICATIONS FOR DEMOLITION REQUIREMENTS.




LIMITS OF REMOVAL



REGISTRATION STAMP  
DIV. OF THE STATE ARCHITECT  
CG 112884  
AC 18-07-08  
DATE 8-18-08

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8/17/2009	DATE
RCE 43130 EXP. 3/31/10	
MATTHEW K. VOVILLA	REVISIONS
	

**EXISTING CONDITIONS & DEMOLITION PLAN**  
**FREMONT ELEMENTARY**  
**607 TEXAS STREET**  
**BAKERSFIELD, CALIFORNIA**

JOB No.:	08-389
DWG NO.:	08-389-BM03
DATE:	08/17/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	5
OF 9 SHEETS	

**CONSTRUCTION LEGEND**

[Symbol] = NEW AC PAVEMENT

[Symbol] = NEW CONCRETE

SEE SHEET 5 FOR EXISTING CONDITIONS AND LEGEND

[Symbol] = PROPOSED DRAINAGE INLET

[Symbol] = DESIGN SLOPE

[Symbol] = SAWCUT LINE

[Symbol] = PROPOSED STORM DRAIN

[Symbol] = CONSTRUCTION NOTE - SEE SHEET 3

[Symbol] = EXISTING GROUND CONTOUR

[Symbol] = EXISTING ELEVATION

[Symbol] = PATH OF DRAINAGE

TG = TOP OF GRATE INLET

FL = FLOWLINE

GB = GRADE BREAK

TC = TOP OF CURB

TOC = TOP OF CONCRETE FLAT WORK

MIN = MINIMUM

AC = ASPHALT CONCRETE

BW = BACK OF WALK

EX = EXISTING

HP = HIGH POINT

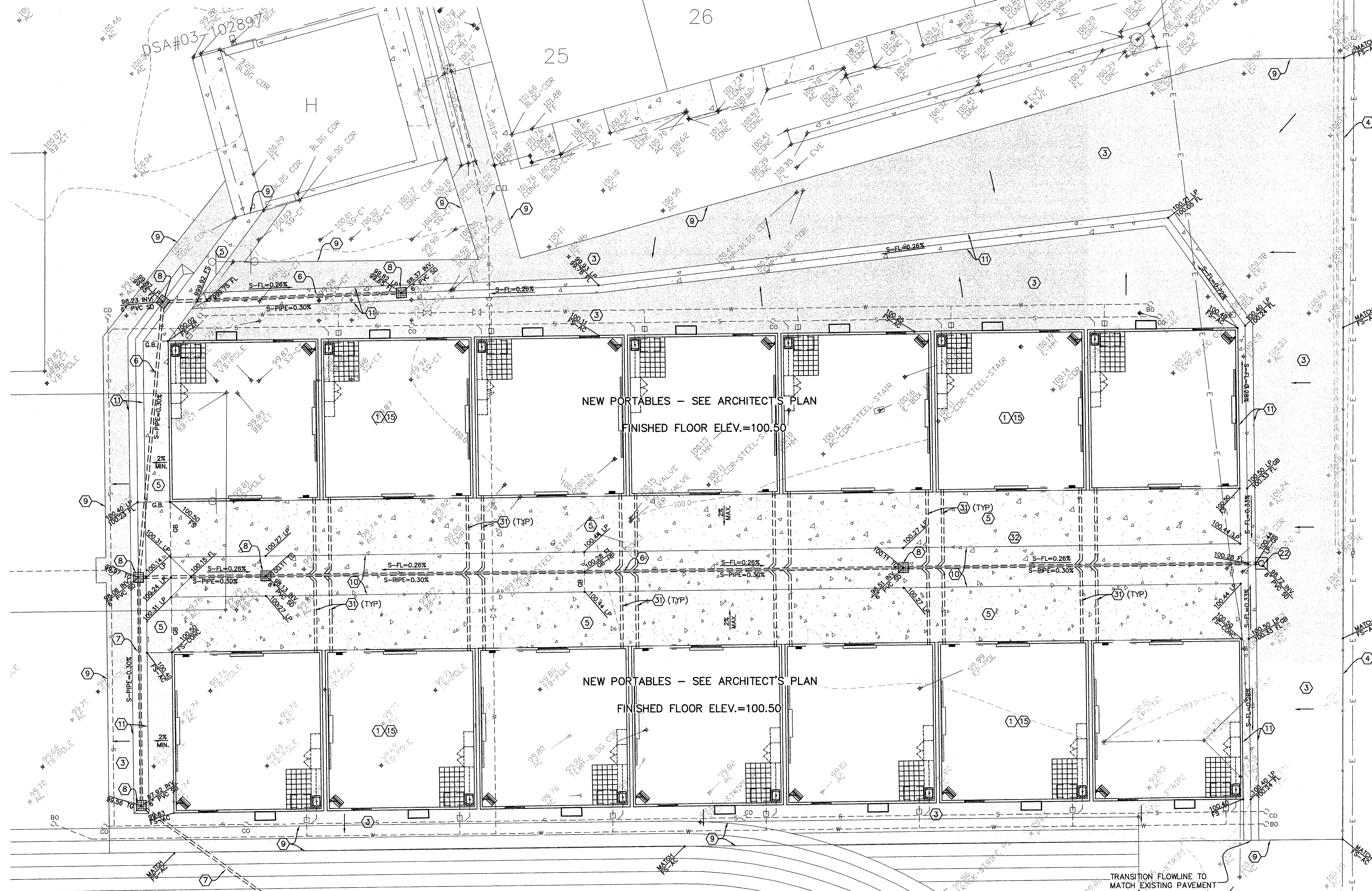
INV = INVERT

FS = FINISHED SURFACE

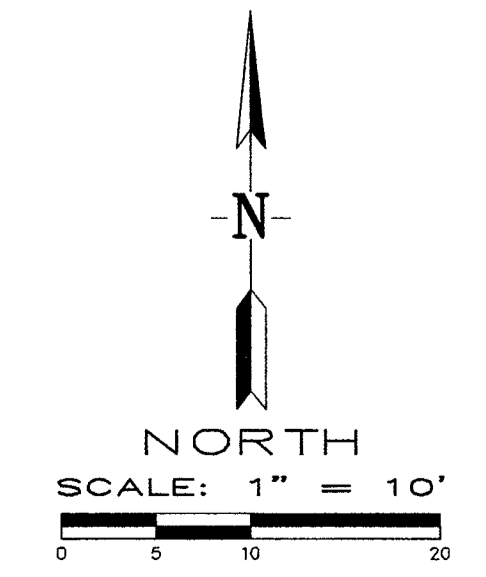
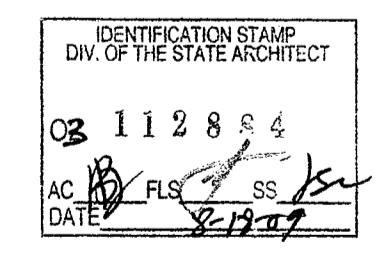
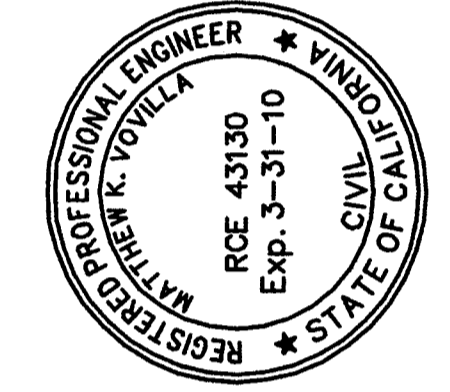
LP = LIP OF V-GUTTER

CONC = PORTLAND CEMENT CONCRETE

S = SLOPE



SEE SHEET 7



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8/17/2009	DATE
RCE-43130 EXP. 3/31/10	
REVISIONS	
MATTHEW K. POVILLA	

**SITE IMPROVEMENT & GRADING PLAN**  
**FREMONT ELEMENTARY**  
**607 TEXAS STREET**  
**BAKERSFIELD, CALIFORNIA**

JOB NO.:	09-389
DWG NO.:	09-389-BM03
DATE:	08/17/2009
DRAWN BY:	ADK
CHECKED BY:	MRV
SHEET	6
OF 9 SHEETS	

**CONSTRUCTION LEGEND**

[Symbol] = NEW AC PAVEMENT

[Symbol] = NEW CONCRETE

SEE SHEET 5 FOR EXISTING CONDITIONS AND LEGEND

[Symbol] = PROPOSED DRAINAGE INLET

[Symbol] = DESIGN SLOPE

[Symbol] = SAWCUT LINE

[Symbol] = PROPOSED STORM DRAIN

[Symbol] = CONSTRUCTION NOTE - SEE SHEET 3

[Symbol] = EXISTING GROUND CONTOUR

[Symbol] = EXISTING ELEVATION

[Symbol] = PATH OF DRAINAGE

TG = TOP OF GRATE INLET

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GB = GRADE BREAK

TC = TOP OF CURB

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MIN = MINIMUM

AC = ASPHALT CONCRETE

BW = BACK OF WALK

EX = EXISTING

HP = HIGH POINT

INV = INVERT

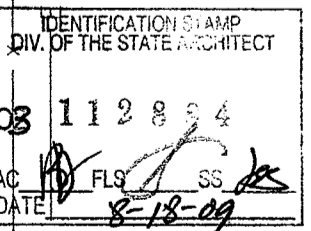
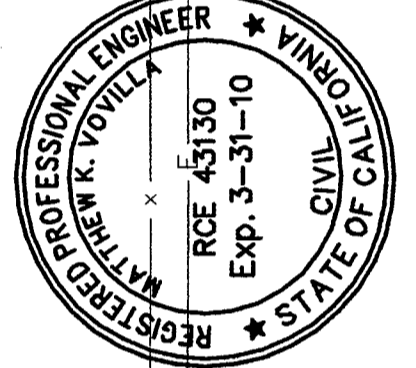
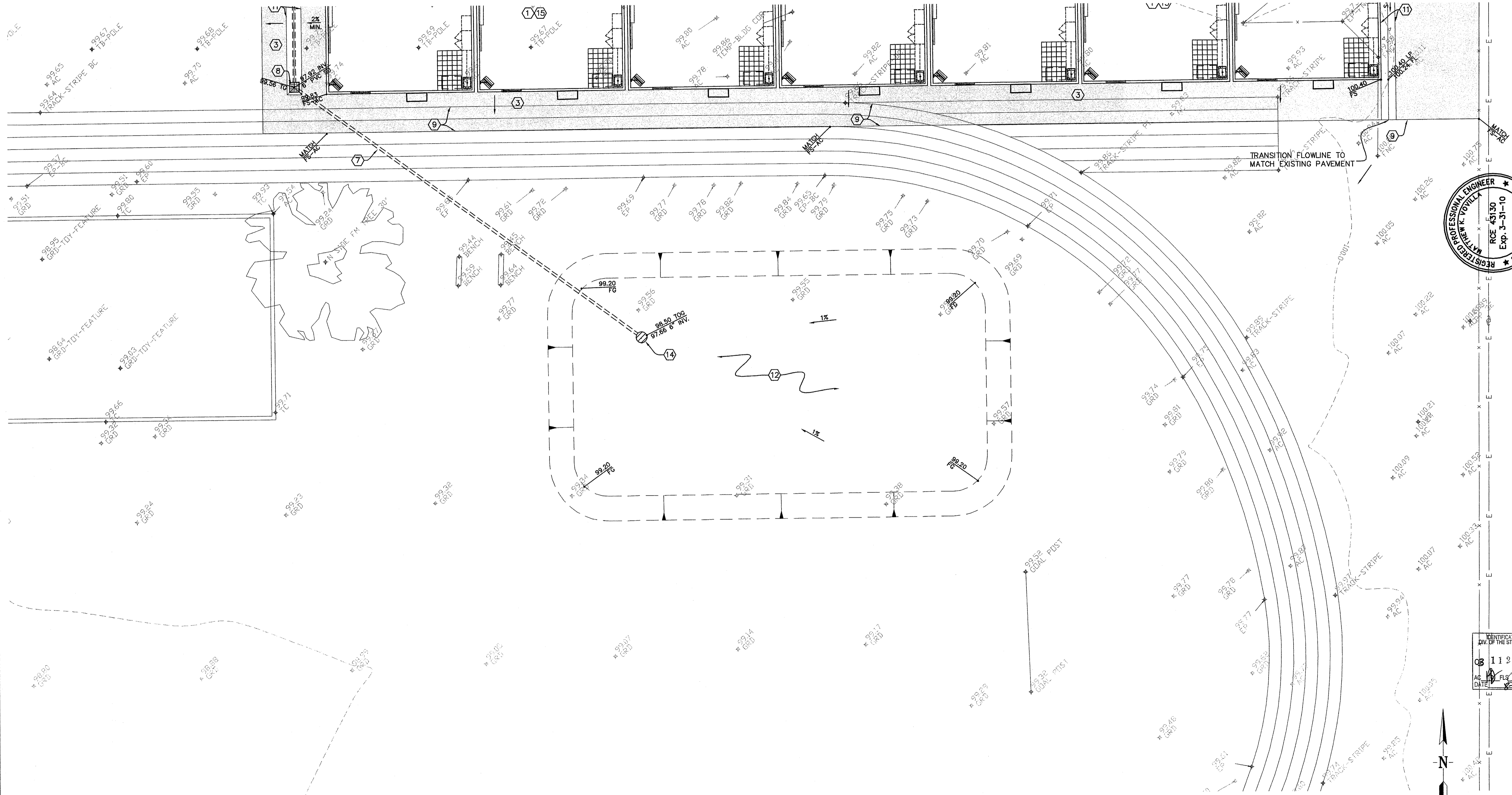
FS = FINISHED SURFACE

LP = LIP OF V-GUTTER

CONC = PORTLAND CEMENT CONCRETE

S = SLOPE

**SEE SHEET 6**



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8/17/2009	DATE
RCE 43130 EXP. 3-31-10	
MATTHEW K. LOVILLA	REVISIONS

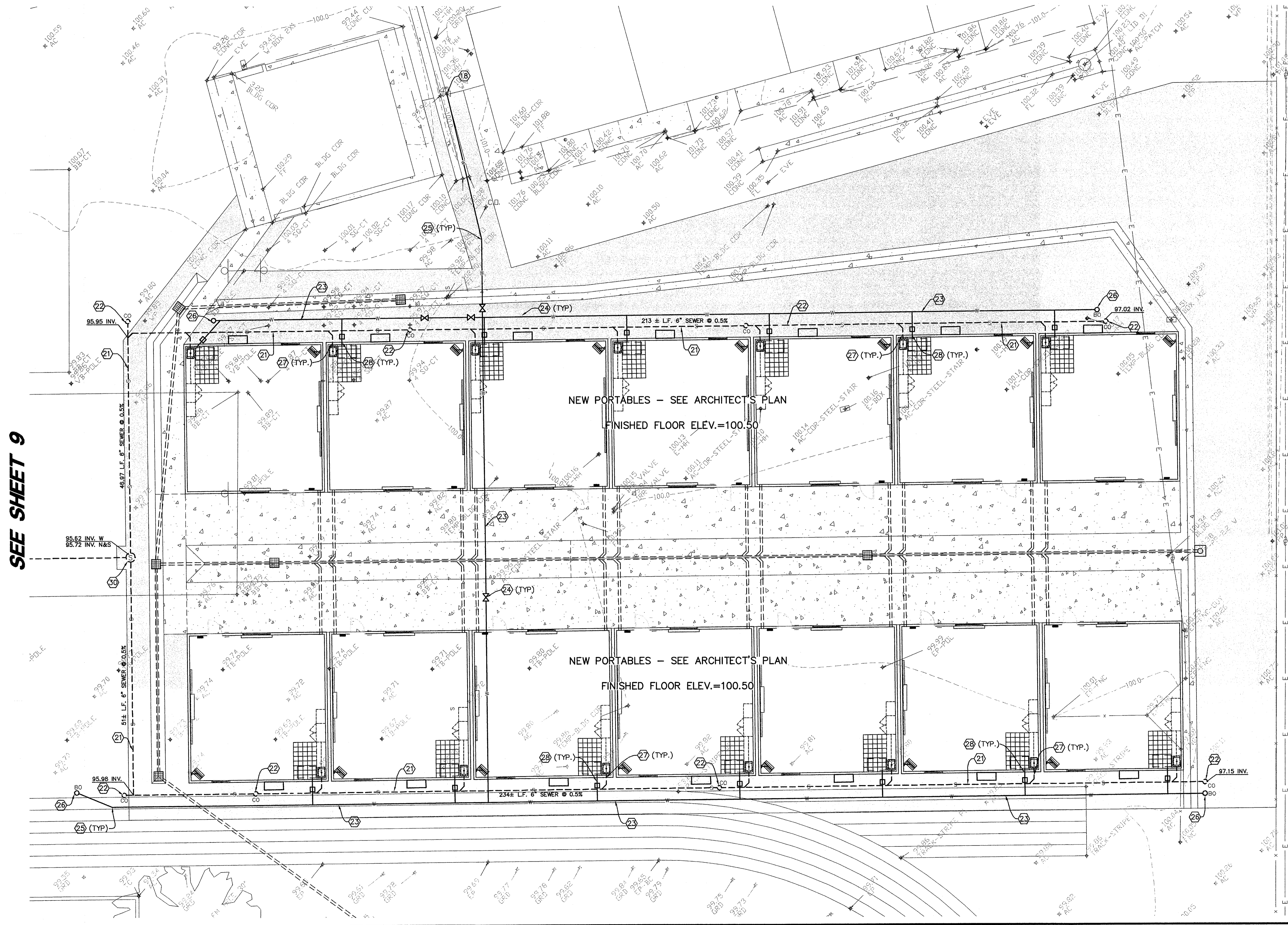
**SITE IMPROVEMENT & GRADING PLAN**  
**FREMONT ELEMENTARY**  
**607 TEXAS STREET**  
**BAKERSFIELD, CALIFORNIA**

JOB No.:	08-389
DWG NO.:	08-389-BM03
DATE:	08/17/2009
DRAWN BY:	ADK
CHECKED BY:	MKY
SHEET	7
	OF 9 SHEETS

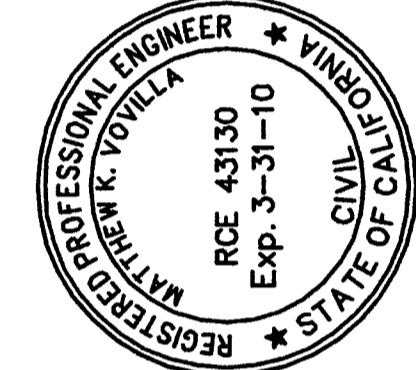


**LEGEND (SEWER & WATER):**

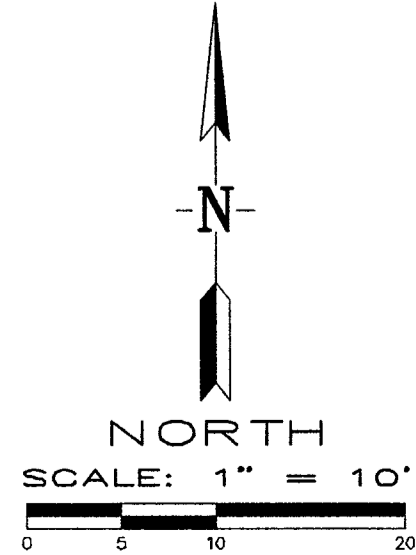
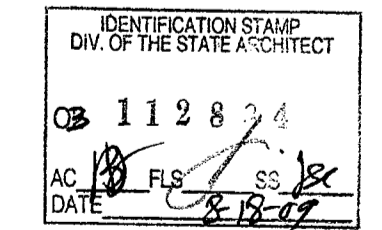
- W — PROPOSED 4-INCH DOMESTIC PVC WATER LINE
- PROPOSED WATER SERVICE, METER BOX WITH CORPORATION STOP (NO METER)
- - - S - - - PROPOSED 6" SEWER @ A MINIMUM SLOPE OF 0.5%
- PROPOSED SEWER CLEANOUT PER C.O.B. STANDARD SW-5 (SEE SHEET 4)
- ⊙ PROPOSED SEWER MANHOLE PER C.O.B. STANDARD SW-5 (SEE SHEET 4)
- ⊗ PROPOSED GATE VALVE AND VALVE BOX
- BO PROPOSED 4-INCH BLOW-OFF AND BOX PER C.O.B. STANDARD W-4 (SEE SHEET 4)
- - - D - - - PROPOSED STORM DRAIN
- ① CONSTRUCTION NOTE - SEE SHEET 3



**SEE SHEET 9**



8/17/2009	DATE
RCE 43130 EXP. 3/31/10	DATE
REVISIONS	
MATTHEW K. YOVILLA	



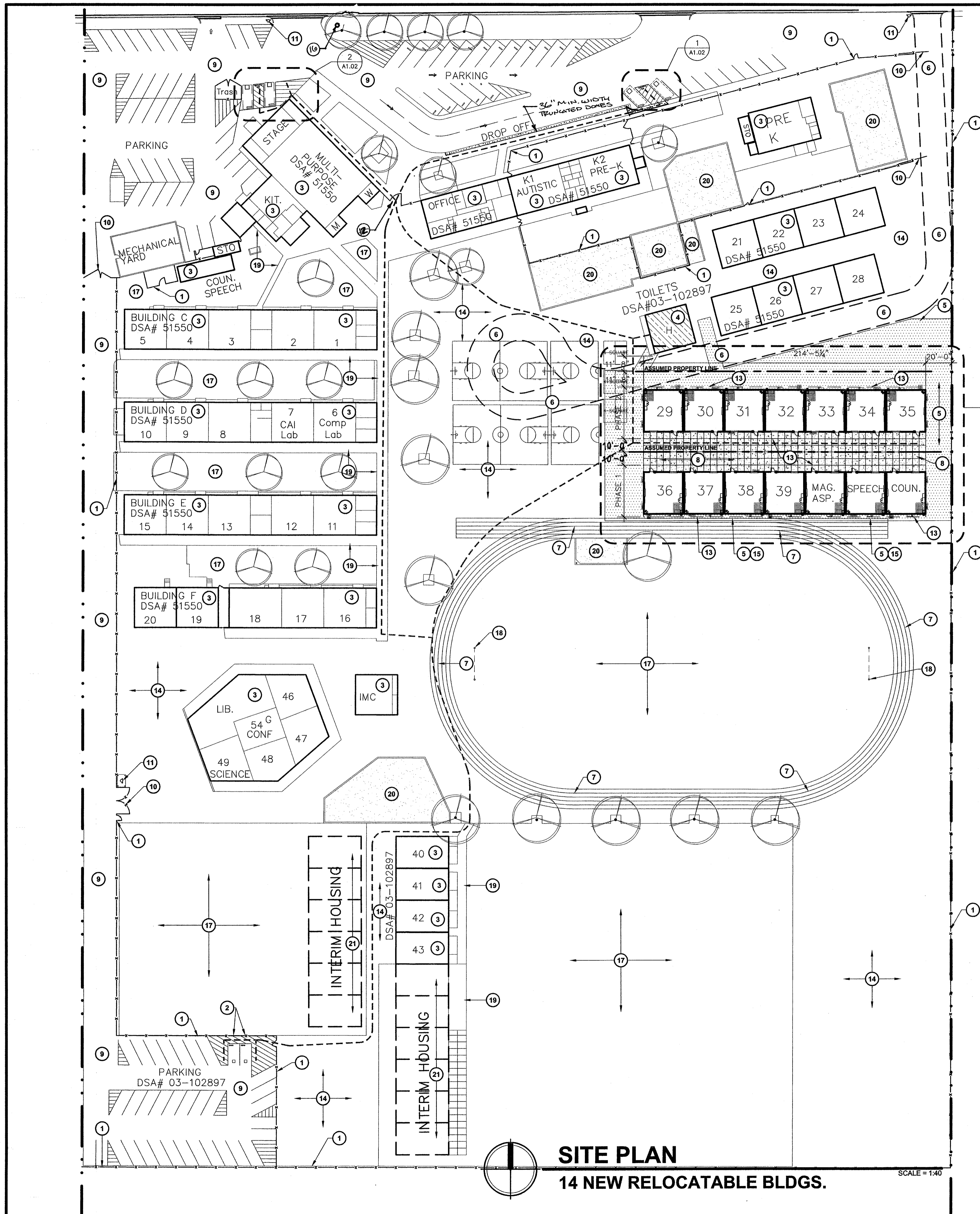
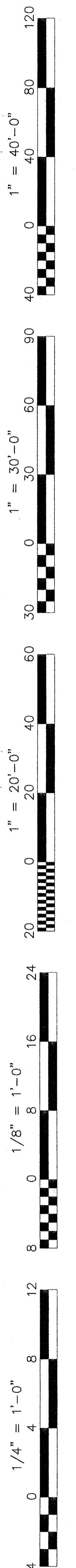
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**SITE IMPROVEMENT & GRADING PLAN**  
**FREMONT ELEMENTARY**  
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**BAKERSFIELD, CALIFORNIA**

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DWG NO.:	09-389-EM03
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DRAWN BY:	ADK
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SHEET	8
	OF 9 SHEETS

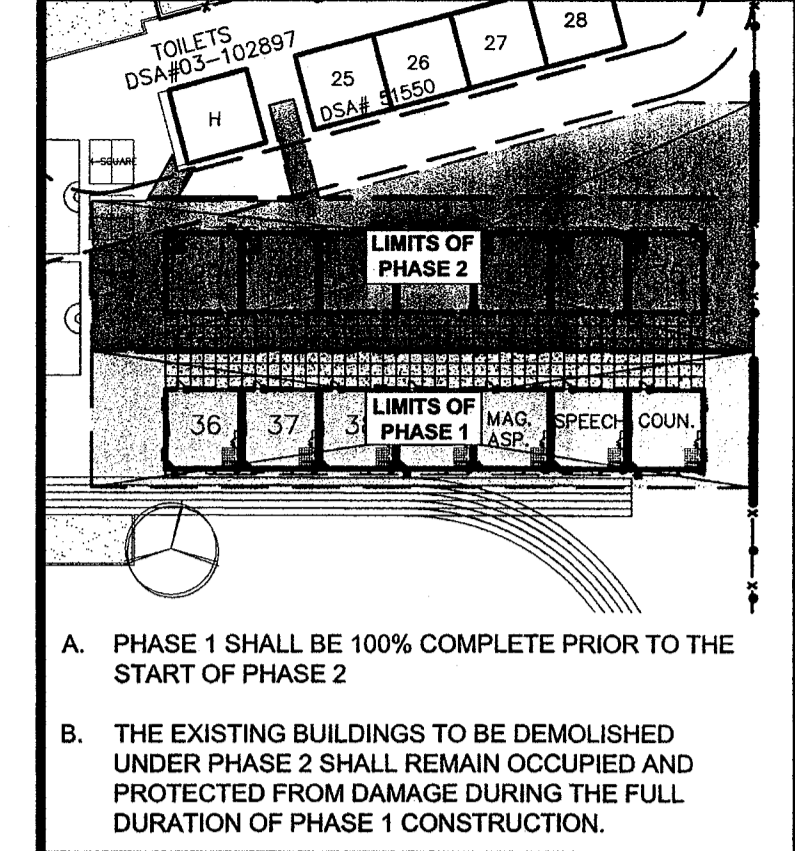






**SITE PLAN**  
14 NEW RELOCATABLE BLDGS.  
SCALE = 1/4" = 1'-0"

**PHASING SCHEDULE**



- EXISTING CHAIN LINK FENCE AND GATE TO REMAIN
- EXISTING ACCESSIBLE PARKING SIGNAGE, DSA# 03-102897, MOUNTED TO EXISTING C.L. FENCE
- EXISTING BUILDING TO REMAIN, NO WORK
- EXISTING ACCESSIBLE RESTROOM BUILDING PER DSA 403-102897, NO WORK
- NEW AC PAVING PER CIVIL DRAWINGS
- PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING PAVING, APPROVED BY THE LOCAL JURISDICTION.
- EXISTING TRACK STRIPING TO REMAIN
- NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 8A1.04
- EXISTING AC-PAVED PARKING LOT TO REMAIN
- EXISTING 20' WIDE CHAIN LINK FIRE TRUCK ACCESS GATE. PROVIDE NEW KNOX PAD LOCK PER KERN COUNTY STANDARDS
- EXISTING FIRE HYDRANT TO REMAIN
- EXISTING 48" ACCESSIBLE GATES TO REMAIN UNLESS OTHERWISE NOTED IN THE OPEN PARTS OF THIS DRAWING
- DASHED LINE INDICATES BUILDING OVERHANG DOORWAYS
- EXISTING AC-PAVING TO REMAIN
- PROVIDE 2" WIDE WHITE STRIPING WHERE REQUIRED TO MATCH WITH EXISTING TRACK CONFIGURATION WITHIN THE AREA OF THE NEW AC-PAVING
- NEW TOW-AWAY SIGN MOUNTED TO EXISTING POLE PER DETAIL 16A1.04
- EXISTING TURF TO REMAIN, NO WORK
- EXISTING GOAL POST TO REMAIN
- EXISTING CONCRETE WALK TO REMAIN
- EXISTING SAND BOX PLAY AREA TO REMAIN
- FUTURE INTERIM HOUSING, NOT UNDER THIS DSA APPLICATION

**KEY NOTES**

- THE OWNER SHALL BE RESPONSIBLE FOR RE-ROUTING THE EXISTING IRRIGATION SPRINKLER LINES AND HEADS AS REQUIRED FOR PROPER COVERAGE IN THE AREA OF NEW CONSTRUCTION.
- 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 9'-0" o.c. MAX. AND EXPANSION JOINTS NOT TO EXCEED 30'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.
- CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MANUFACTURER
- THE CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING CONCRETE FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURERS DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW RELOCATABLE BUILDING PERIMETER SILL SHEET METAL FLASHING AFTER THE RELOCATABLE BUILDING IS SET IN PLACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.
- 5'-0" DEEP x 5'-0" WIDE MINIMUM CONCRETE LANDINGS AT DOORWAYS SHALL BE AS DETAILLED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4" IN 12 SLOPE. SLOPES SHALL BE AWAY FROM DOORWAYS.
- 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.
- THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, PROVIDE THE NECESSARY WARNING CURB PER CBC SEC. 1133B.8.1.

**LOCAL FIRE AUTHORITY REVIEW**

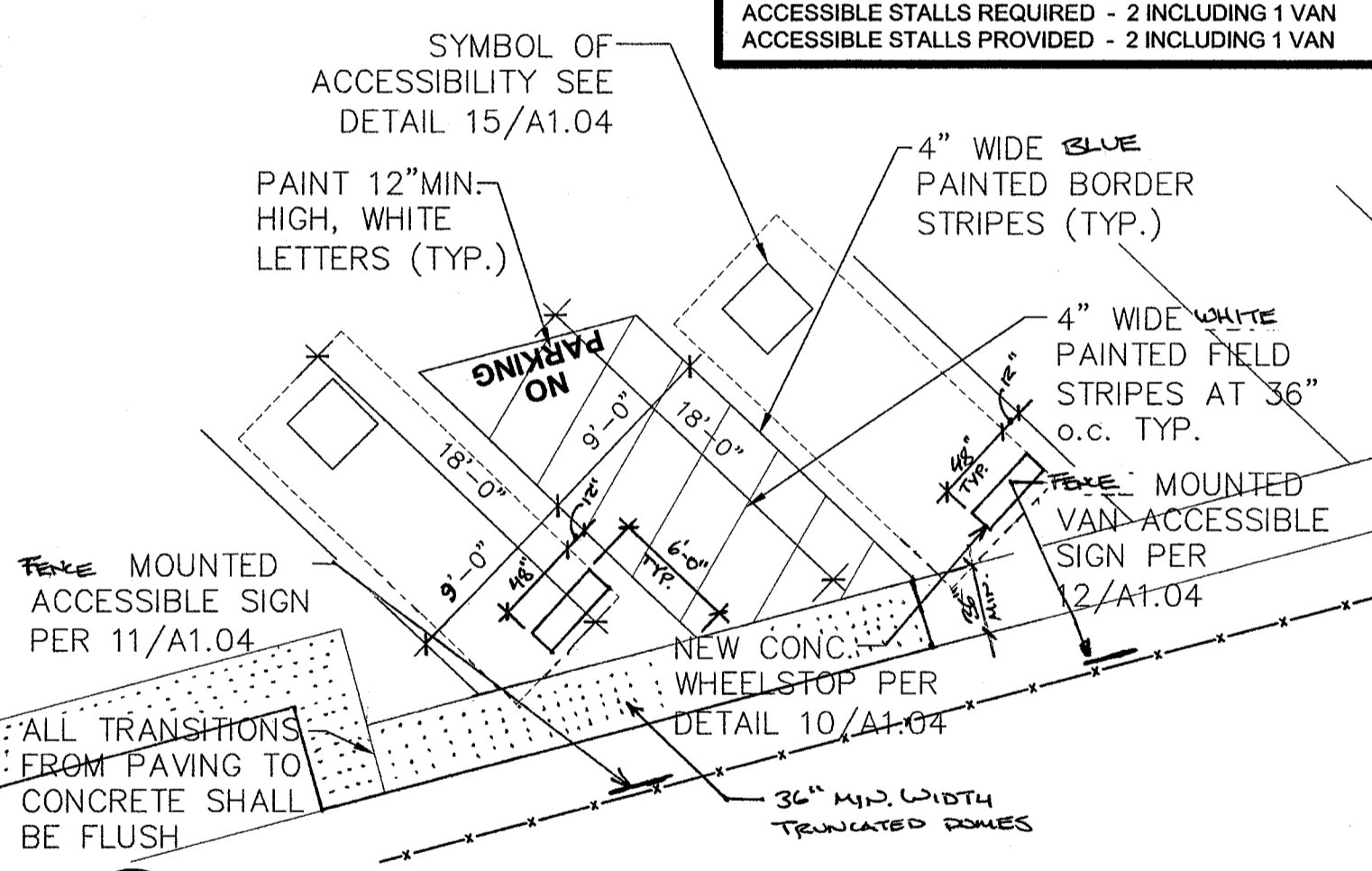
LOCAL FIRE AUTHORITY TO INITIAL THE ITEMS AS APPLICABLE TO THIS PROJECT AND SIGN BELOW

**ACCESS ROADS AND FIRE HYDRANTS**

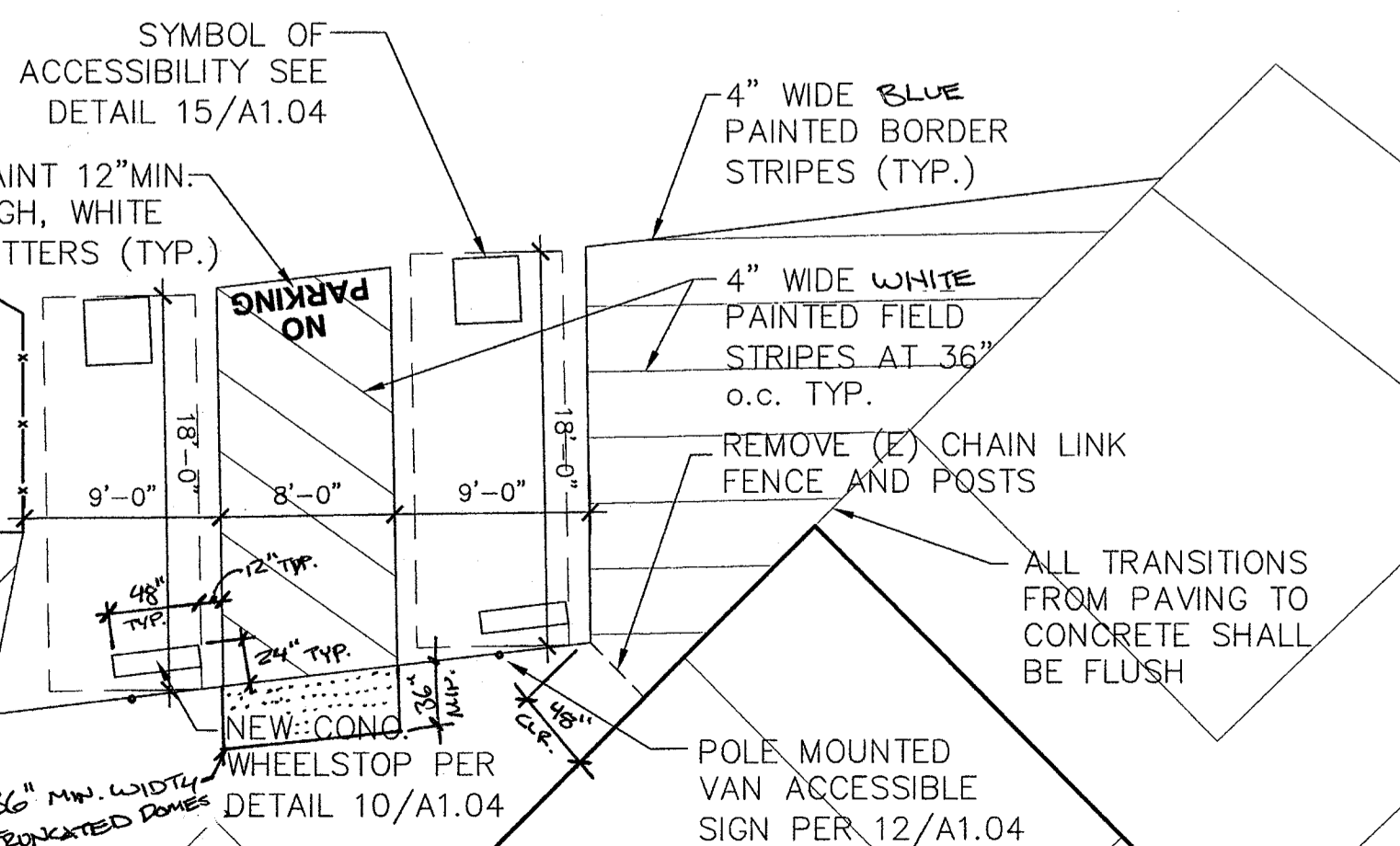
- ACCESS ROADS AND GATE ENTRANCES ARE IN ACCORDANCE WITH TITLE 19, CALIFORNIA CODE OF REGULATIONS DIV. 1, CHAP. 1, SUB. CHAP. 1, ARTICLE 3 NUMBER 3.05 (ACCESS ROADS) AND 3.16 AND 2007 CFC 503.5.2 (GATE ENTRANCES) TO SCHOOL SITES.
- FIRE FLOW, FIRE HYDRANT LOCATION AND DISTRIBUTION ARE IN ACCORDANCE WITH 2007 CALIFORNIA FIRE CODE SECTION 508.3 AND APPENDIX BB (FIRE FLOW) AND APPENDIX CC (HYDRANT LOCATIONS)
- FIRE HYDRANT TYPE MEETS LFA OR LOCAL WATER PURVEYORS MAKE AND MODEL REQUIREMENTS.
- WILDLAND URBAN INTERFACE AREA (2007 CBC CH. 7)

**PARKING CALCULATION**

<b>PARKING LOT #1</b>	TOTAL STALLS PROVIDED	28 STALLS
	ACCESSIBLE STALLS REQUIRED	2 INCLUDING 1 VAN
	ACCESSIBLE STALLS PROVIDED	2 INCLUDING 1 VAN
<b>PARKING LOT #2</b>	TOTAL STALLS PROVIDED	39 STALLS
	ACCESSIBLE STALLS REQUIRED	2 INCLUDING 1 VAN
	ACCESSIBLE STALLS PROVIDED	2 INCLUDING 1 VAN
<b>PARKING LOT #3</b>	TOTAL STALLS PROVIDED	33 STALLS
	ACCESSIBLE STALLS REQUIRED	2 INCLUDING 1 VAN
	ACCESSIBLE STALLS PROVIDED	2 INCLUDING 1 VAN



**1 PARKING LOT #1 ACCESSIBLE STALLS**  
SCALE: 1/8" = 1'-0"



**2 PARKING LOT #2 ACCESSIBLE STALLS**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- THE OWNER SHALL BE RESPONSIBLE FOR RE-ROUTING THE EXISTING IRRIGATION SPRINKLER LINES AND HEADS AS REQUIRED FOR PROPER COVERAGE IN THE AREA OF NEW CONSTRUCTION.
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**LOCAL FIRE AUTHORITY REVIEW**

LOCAL FIRE AUTHORITY TO INITIAL THE ITEMS AS APPLICABLE TO THIS PROJECT AND SIGN BELOW

**ACCESS ROADS AND FIRE HYDRANTS**

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- FIRE HYDRANT TYPE MEETS LFA OR LOCAL WATER PURVEYORS MAKE AND MODEL REQUIREMENTS.
- WILDLAND URBAN INTERFACE AREA (2007 CBC CH. 7)

**AUTOMATIC FIRE SPRINKLER SYSTEMS**

- THE LOCATION(S) OF THE PROPOSED POST INDICATOR (POI) VALVE (PIV) AND FIRE DEPARTMENT CONNECTION (FDC) MEETS THE REQUIREMENTS OF THIS JURISDICTION AT THIS TIME.
- THE LOCATION(S) OF THE DETECTOR CHECK VALVE (DCV) ASSEMBLY (DCVA) MEETS THE REQUIREMENTS OF THIS JURISDICTION AT THIS TIME.
- THE FIRE PUMP ASSEMBLY/BACKFLOW PREVENTER (FPA) MEETS THE REQUIREMENTS OF THIS JURISDICTION AT THIS TIME.
- ELEVATORS THAT DO NOT HAVE CABS SIZED PER 2007 CBC HAVE BEEN IDENTIFIED AND THE LFA APPROVED THE USE OF STAIRWAY FOR EMERGENCY RESCUE AND PATIENT TRANSPORT

LOCAL FIRE AUTHORITY: KERN COUNTY FIRE DEPT.  
ADDRESS: 5642 VICTOR STREET  
CITY/STATE/ZIP: BAKERSFIELD, CA 93308 DATE: 06/03/09  
PHONE NUMBER: (801) 391-7000  
APPROVAL ISSUED BY: JIM KILLAM  
RANK/TITLE: KCFD #525  
COMMENTS:

**ACCESSIBILITY NOTE**

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT CHANGES EXCEEDING 1/2" AT 1:2 MAX. SLOPE. EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. MAXIMUM CROSS SLOPE 2% TYPICAL AND A MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5% OR LESS, UNLESS OTHERWISE NOTED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHEAD OBSTRUCTIONS TO 80" MIN. (CBC 1133B.2) AND SIDE OBJECTS PROTRUDING GREATER THAN 4" INTO P.O.T. BETWEEN 27" AND 80" ABOVE THE FINISHED FLOOR

**LEGEND**

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES EXISTING ACCESSIBLE RESTROOM BUILDING DSA# 03-102897
- NEW 4" THICK CONCRETE WALK WITH MEDIUM BROOM FINISH
- INDICATES NEW ASPHALT PAVING
- INDICATES FIRE TRUCK ACCESS OVER AC PAVING
- INDICATES EXISTING ACCESSIBLE RESTROOM PER DSA# 03-102897
- HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL. SEE ACCESSIBILITY NOTE THIS SHEET

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Rev. Date: \_\_\_\_\_  
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Rev. Date: \_\_\_\_\_  
Rev. Description: \_\_\_\_\_

**SITE PLAN**

**FREMONT MAGNET ELEM. SCHOOL**  
**14 NEW RELOCATABLE BLDGS.**  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Project Name & Address:  
Project No.:  
Date:  
Scale:  
Sheet Title:  
Issue Date:  
Date:  
DRC:  
PC:  
CJM

FILE # 15-6  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-112884  
AC: \_\_\_\_\_ FL: \_\_\_\_\_ SS: \_\_\_\_\_  
DATE: 8-18-09  
TRACKING #: 63321-94

Stamp(s):

**3829.1**

Job No.:  
**A1.02**

Sheet No.:  
Release: -

LEGEND

INDICATES EXISTING BUILDING TO REMAIN (NO WORK)

INDICATES EXISTING ACCESSIBLE RESTROOM BUILDING DSA# 03-102897

NEW 4" THICK CONCRETE WALK WITH MEDIUM BROOM FINISH

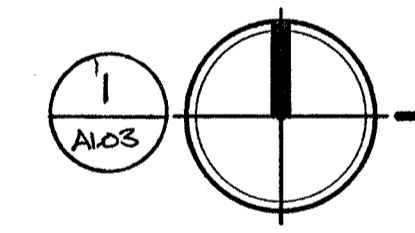
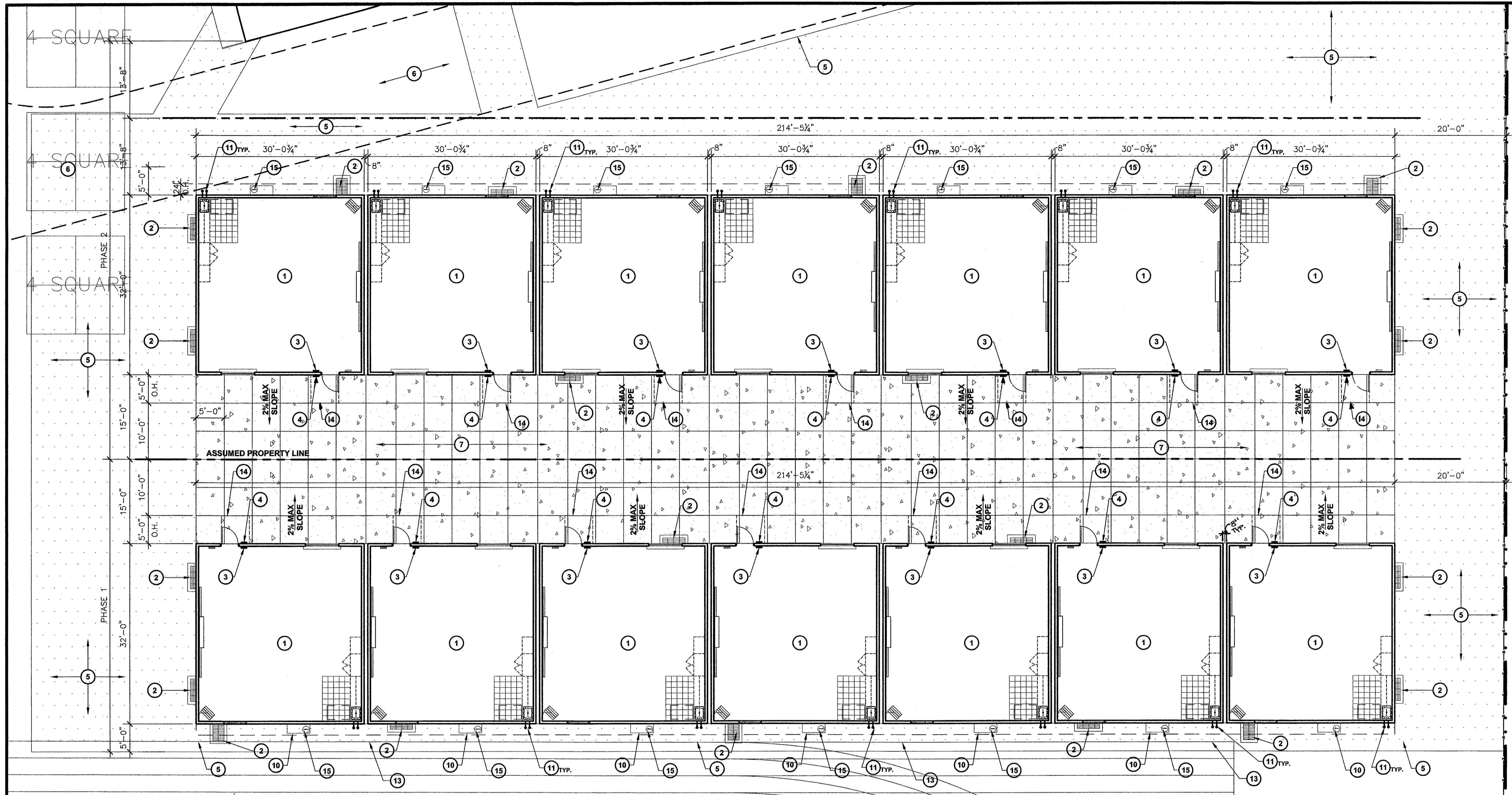
INDICATES NEW ASPHALT PAVING

INDICATES FIRE TRUCK ACCESS OVER AC PAVING

INDICATES EXISTING ACCESSIBLE RESTROOM PER DSA# 03-102897

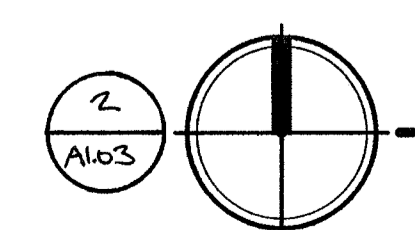
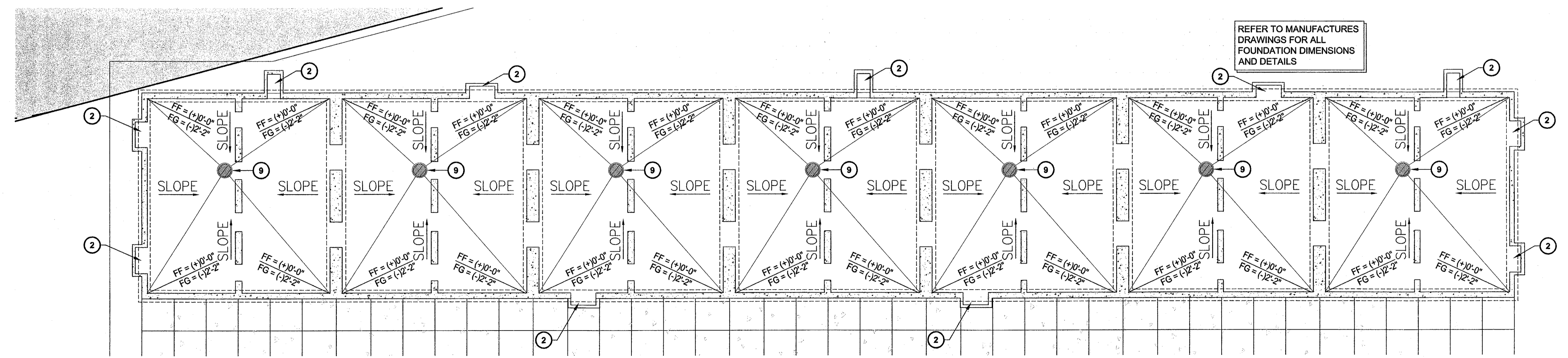
HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL. SEE ACCESSIBILITY NOTE THIS SHEET

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



**ENLARGED SITE PLAN**  
14 NEW RELOCATABLE BLDGS.

SCALE: 1:10



**FOUNDATION PLAN - PHASE 2 (PHASE 1 SIM.)**  
14 NEW RELOCATABLE BLDGS.

SCALE: 1:10

**KEY NOTES**

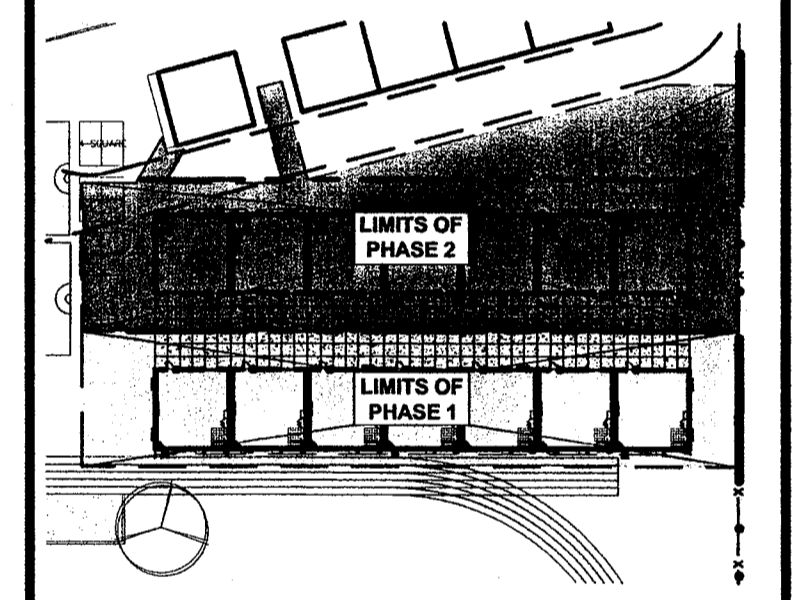
1. NEW RELOCATABLE CLASSROOM ON CONCRETE FOUNDATION. REFER TO FOUNDATION PLAN THIS SHEET AND TO MANUFACTURES DRAWINGS FOR ADDITIONAL INFORMATION.
2. NEW FLOOR VENT AND ACCESS GRATING TO BE ADA ACCESSIBLE / APPROVED AND SHALL BE FLUSH W/ ALL ADJACENT WALKWAYS. REFER TO BUILDING MANUFACTURES DRAWINGS FOR VENT CALCS. AND INSTALLATION REQUIREMENTS.
3. NEW TACTILE EXIT SIGN PER MANUF. DRAWINGS
4. NEW ROOM IDENTIFICATION SIGNAGE, REFER TO MANUFACTURES DRAWINGS FOR ADDITIONAL INFO.
5. LIMITS OF NEW AC PAVING PER DETAIL 5/A1.04
6. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE, APPROVED BY THE LOCAL JURISDICTION.
7. NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 7-8/A1.04
8. NEW DRAIN INLET. REFER TO CIVIL FOR ALL GRADING AND DRAINAGE INFORMATION.
9. NEW DRYWELL DRAIN. LOCATE ONE BELOW EACH CLASSROOM A MINIMUM OF 2' BELOW THE BOTTOM OF THE FOOTING WALL, REFER TO DETAIL 4/A1.03 AND MANUFACTURES DRAWINGS FOR ADDITIONAL INFORMATION.
10. PROVIDE RIDGED SCREEN FROM THE BOTTOM OF THE MECHANICAL UNIT TO THE FINISHED GRADE (ONLY REQUIRED AT PHASE '1')
11. WATER AND SEWER POINT OF CONNECTION LOCATION TYPICAL, VERIFY WITH MANUFACTURES DRAWINGS.
12. PROVIDE A LEVEL LANDING AT ALL DOORS, SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.
13. PROVIDE NEW 2" WIDE WHITE PAINTED STRIPING TO MATCH THE EXISTING TRACK LAYOUT
14. PROVIDE 60"x60" LEVEL LANDING AT ALL EXTERIOR DOORS, SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION
15. NEW CONDENSATE DRAIN DRYWELL. REFER TO DETAIL 14/A1.04 FOR ADDITIONAL INFORMATION

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Rev. No.	Date	Description

**PHASING SCHEDULE**

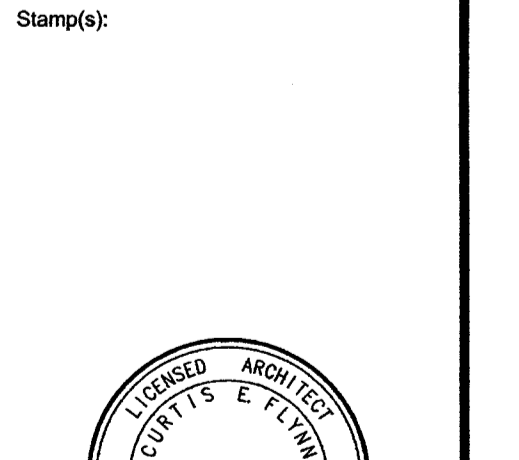


- PHASE 1 SHALL BE 100% COMPLETE PRIOR TO THE START OF PHASE 2
- THE EXISTING BUILDINGS TO BE DEMOLISHED UNDER PHASE 2 SHALL REMAIN OCCUPIED AND PROTECTED FROM DAMAGE DURING THE FULL DURATION OF PHASE 1 CONSTRUCTION.

**ENLARGED SITE PLAN AND FOUNDATION PLAN**  
Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL**  
**14 NEW RELOCATABLE BLDGS.**  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date:	08/10/09
Design:	PC
Check:	PC
Scale:	CJM

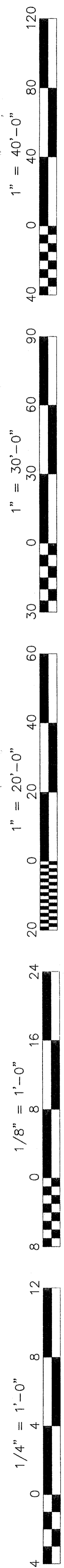
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03-112884  
AC: [Signature] FLS: [Signature] SS: [Signature]  
DATE: 8-12-09  
TRACKING #: 63321-94



**LEGEND**

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- NEW 4" THICK CONCRETE WALK WITH MEDIUM BROOM FINISH
- INDICATES NEW 4" ASPHALT PAVING
- INDICATES FIRE TRUCK ACCESS OVER EXISTING AC PAVING

Job No.: **3829.1**  
Sheet No.: **A1.03**  
Release: -



13  
A1.04

9  
A1.04

5  
A1.04

1  
A1.04

**REDWOOD HEADER DETAIL**  
DSM8  
1" = 1'-0"

**AC PAVING AT EXISTING SLAB**  
A100106A DSM8  
SCALE: 1 1/2" = 1'-0"

**ROOM ID SIGNAGE**  
ADA100-25  
SCALE: N.T.S.

10  
A1.04

6  
A1.04

**WHEEL STOP**  
ADA100-07  
SCALE: 1 1/2" = 1'-0"

**CONCRETE SLAB/ WALK DETAIL**  
ADT006 DSM8  
SCALE: 1 1/2" = 1'-0"

14  
A1.04

11  
A1.04

7  
A1.04

**TYPICAL VEHICLE ACCESSIBLE PARKING STALL SIGN**  
ADA100-05  
SCALE: 3/4" = 1'-0"

**CONCRETE JOINTS**  
ADT007 DSM4  
SCALE: 3" = 1'-0"

15  
A1.04

12  
A1.04

8  
A1.04

**VAN ACCESSIBLE PARKING STALL SIGN**  
ADA100-04  
SCALE: 3/4" = 1'-0"

**CONCRETE WALK**  
ADT005 DSM8  
SCALE: 1 1/2" = 1'-0"

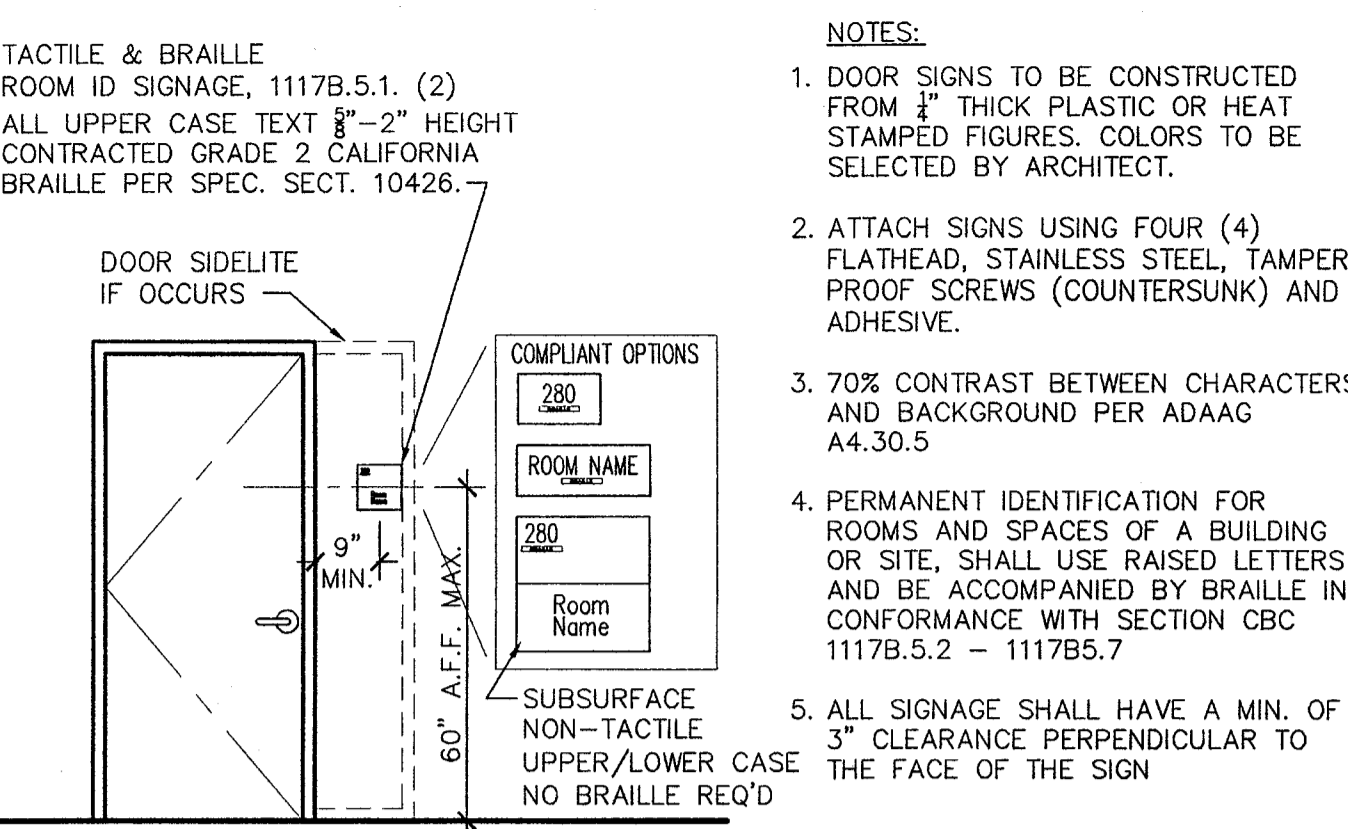
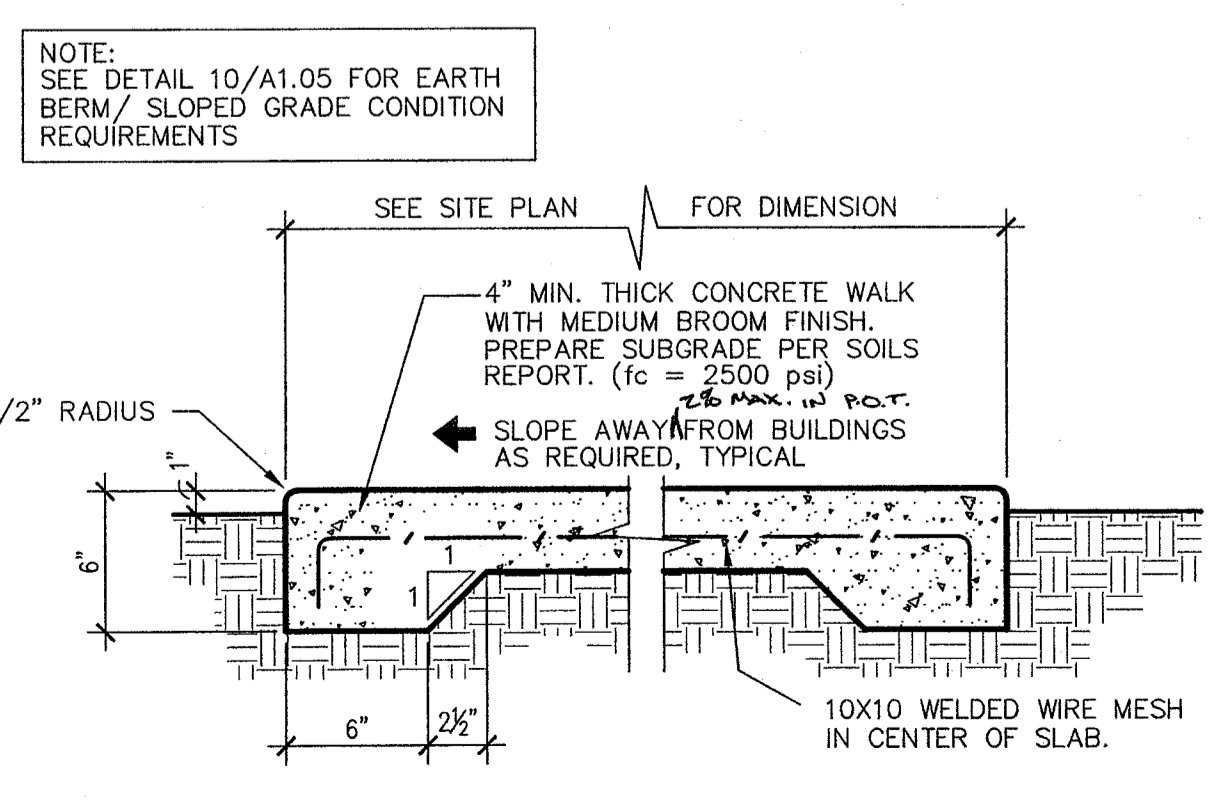
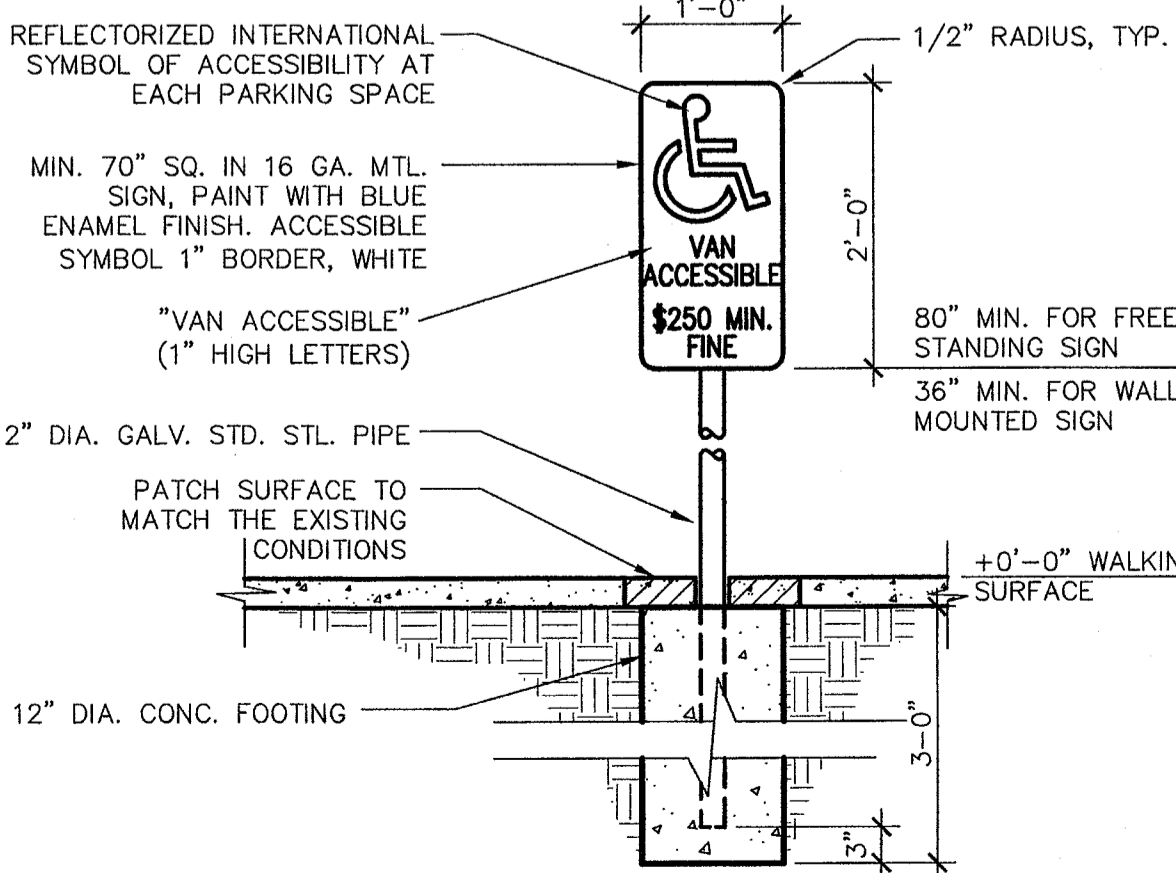
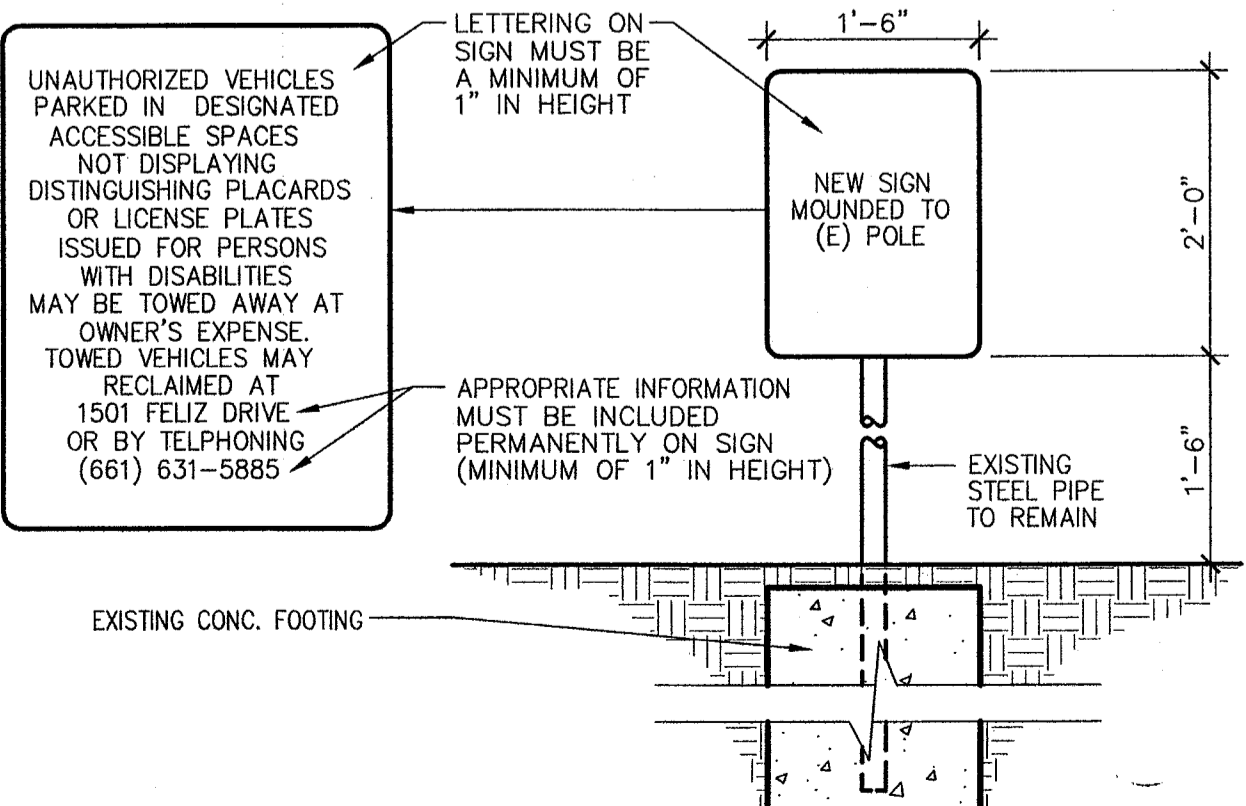
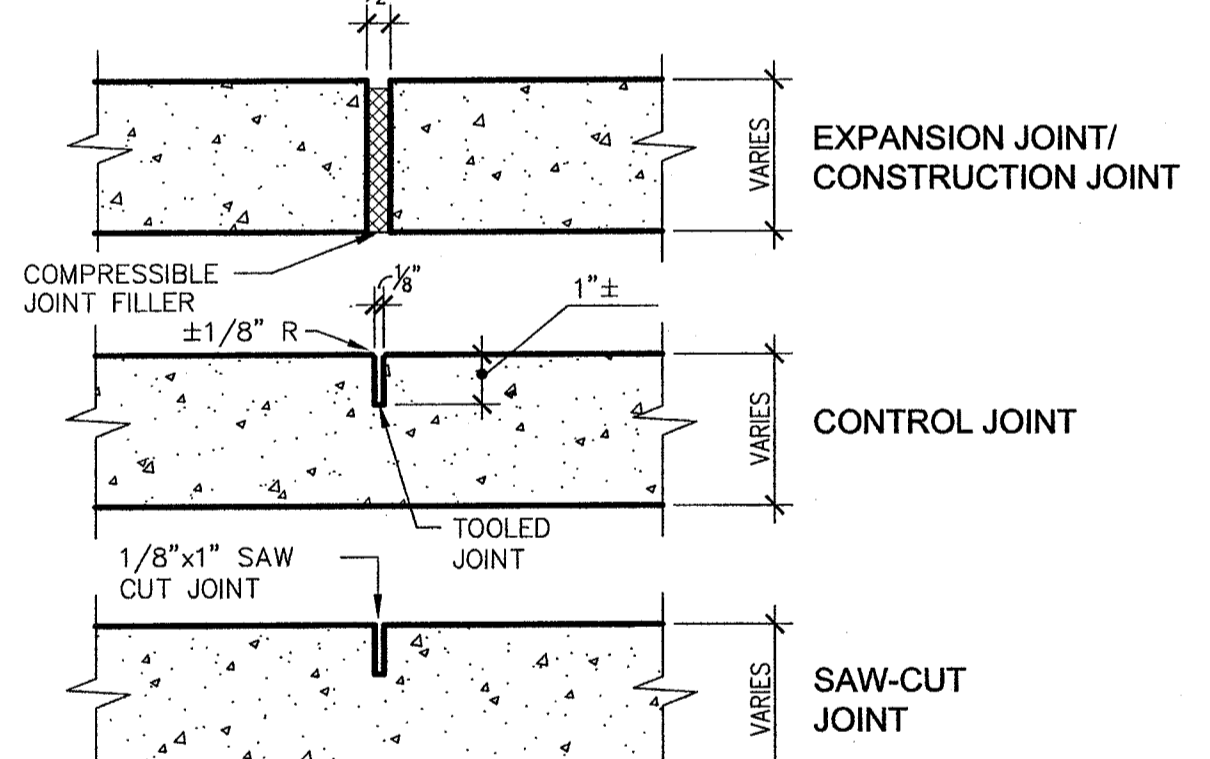
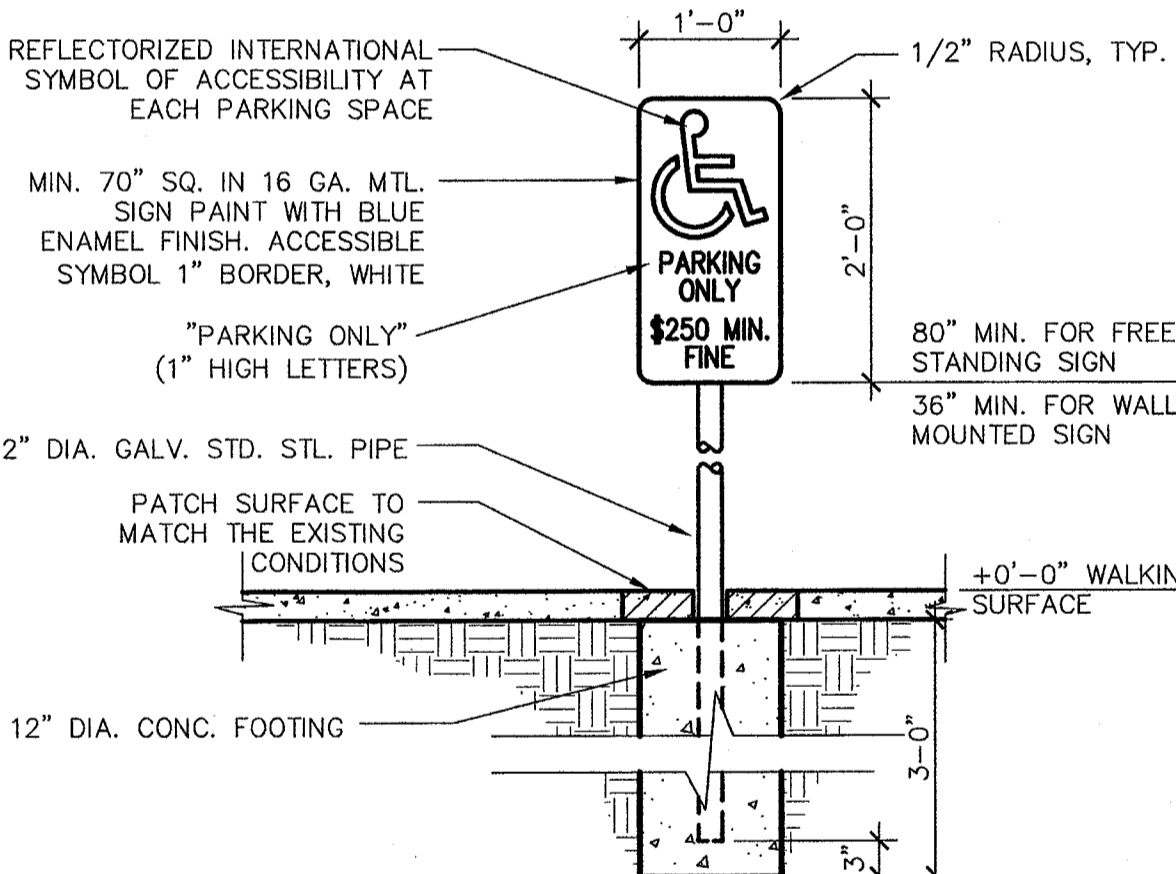
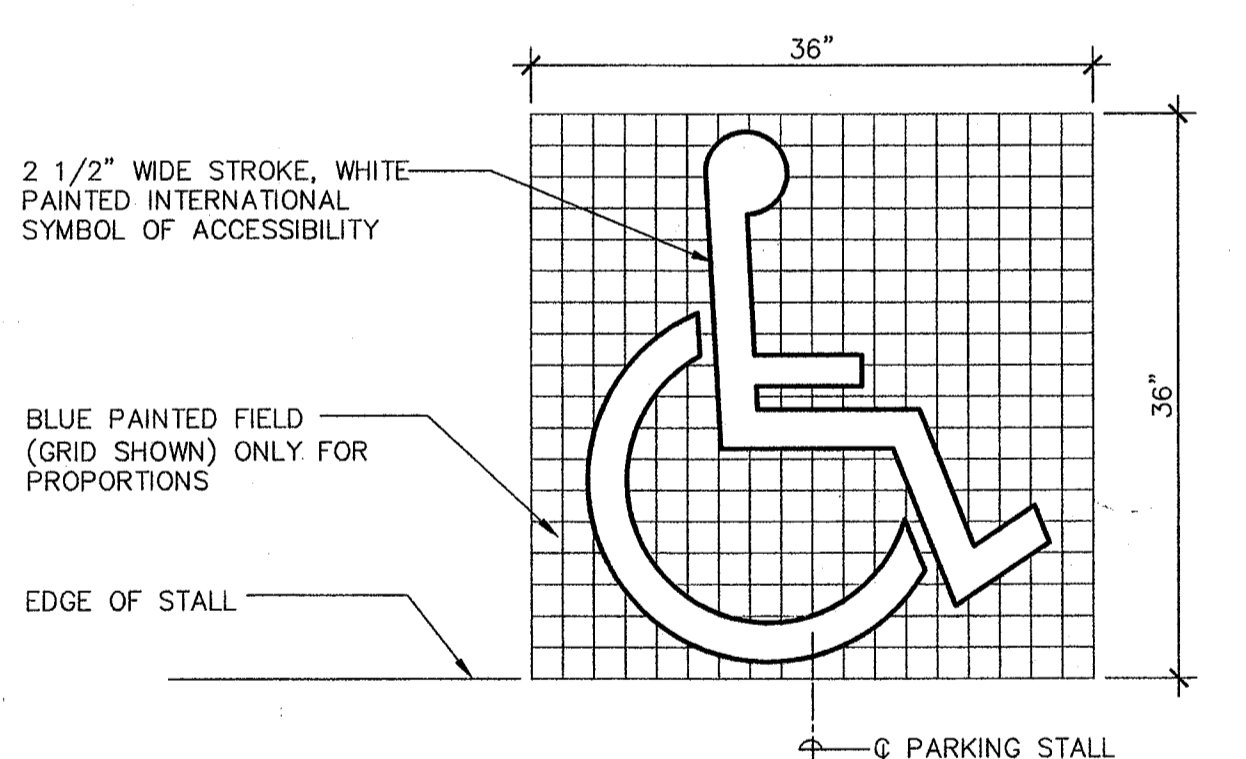
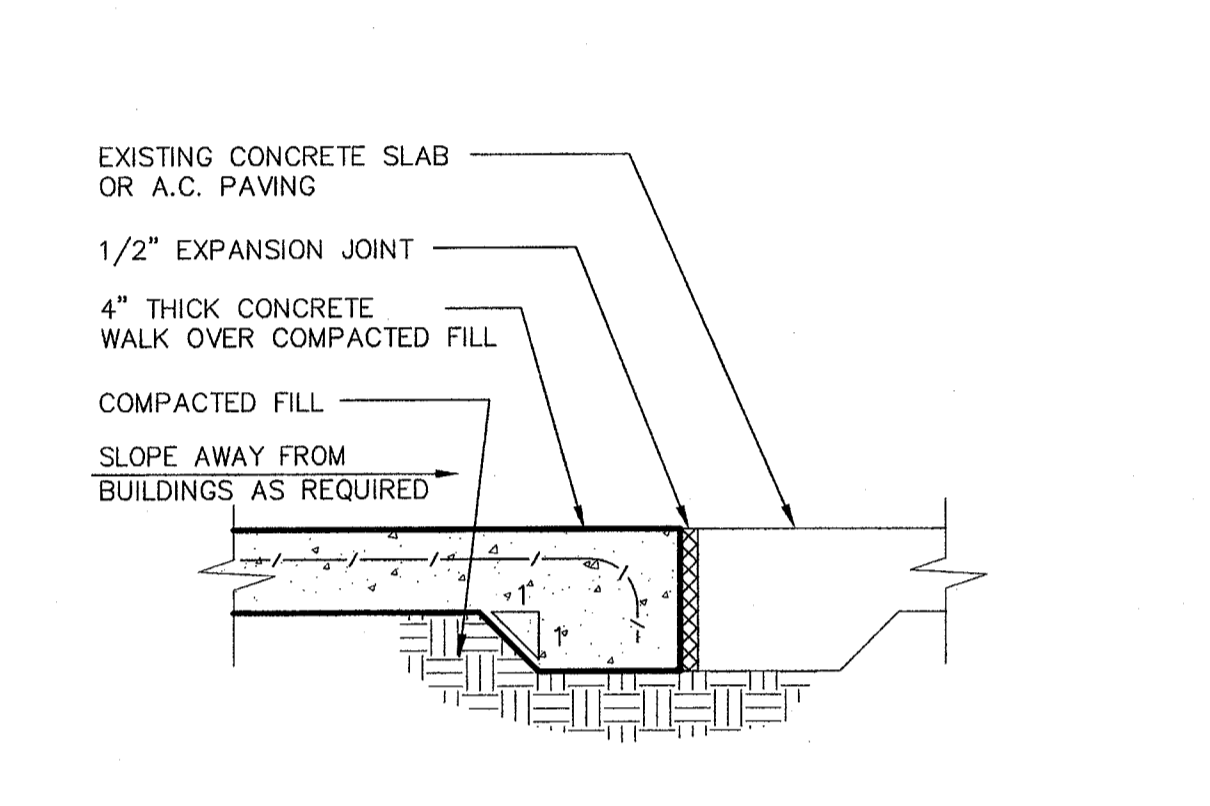
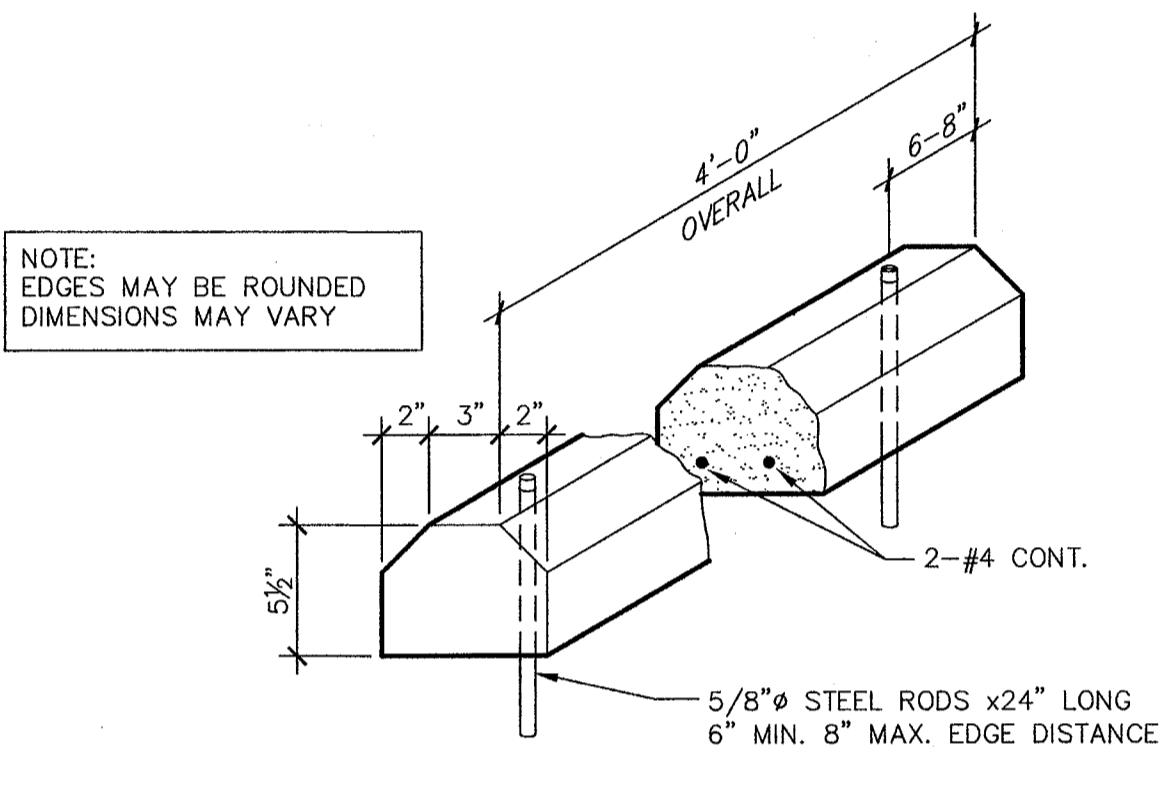
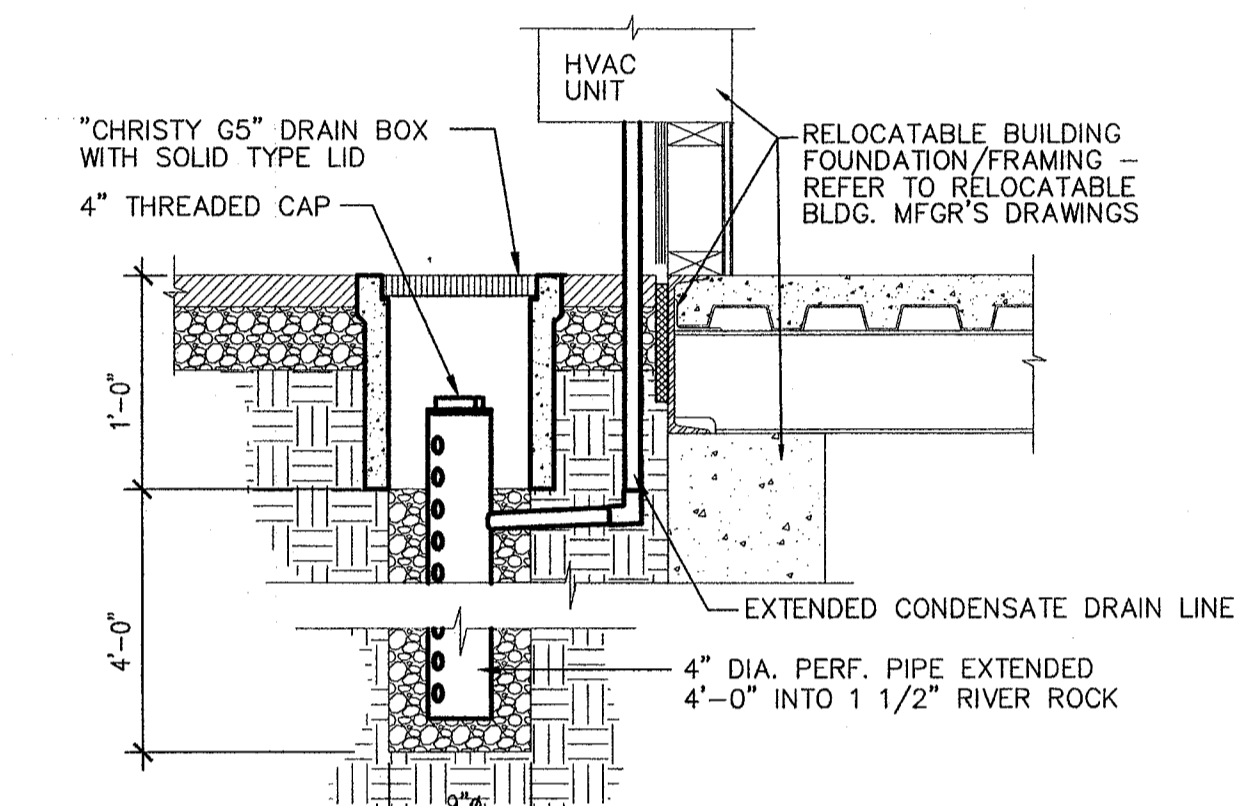
16  
A1.04

3  
A1.04

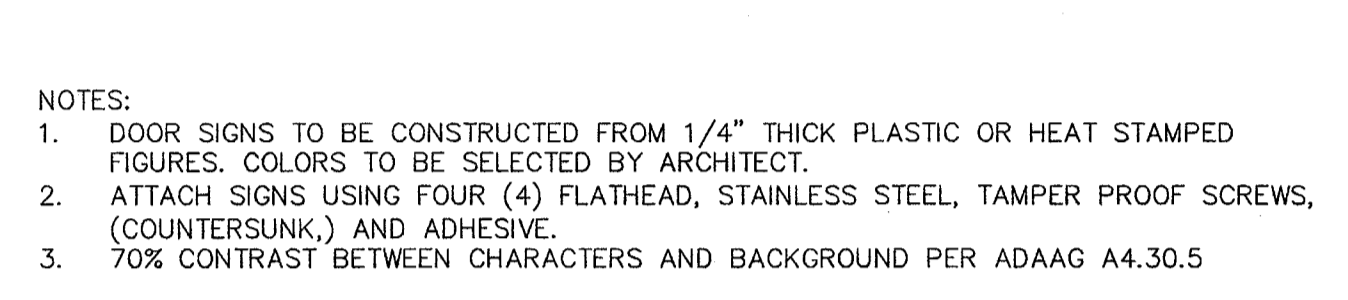
**TYPICAL EXTERIOR DOOR SIGNAGE**  
ADA200-13  
SCALE: 3/8" = 1'-0"

4  
A1.04

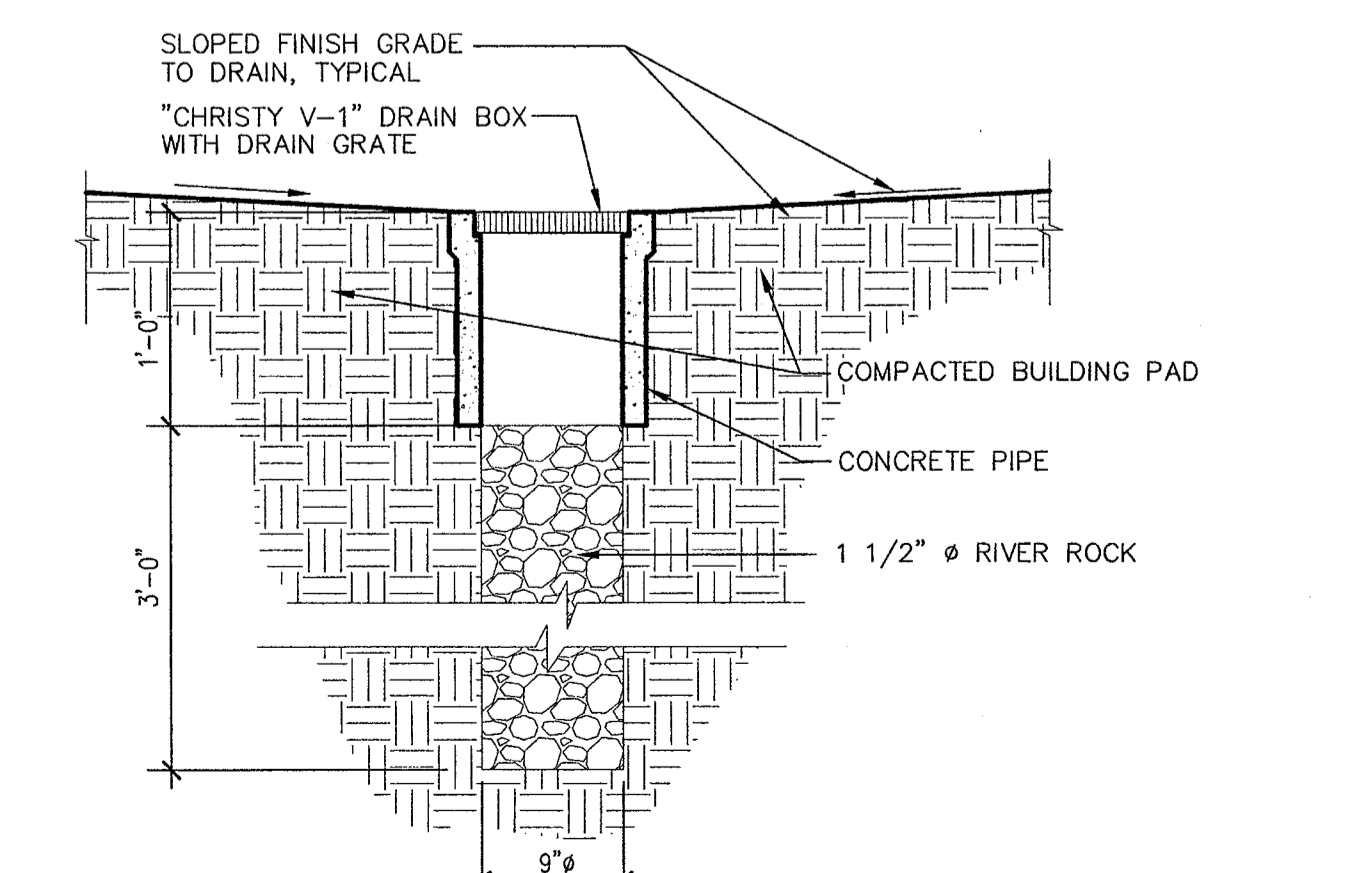
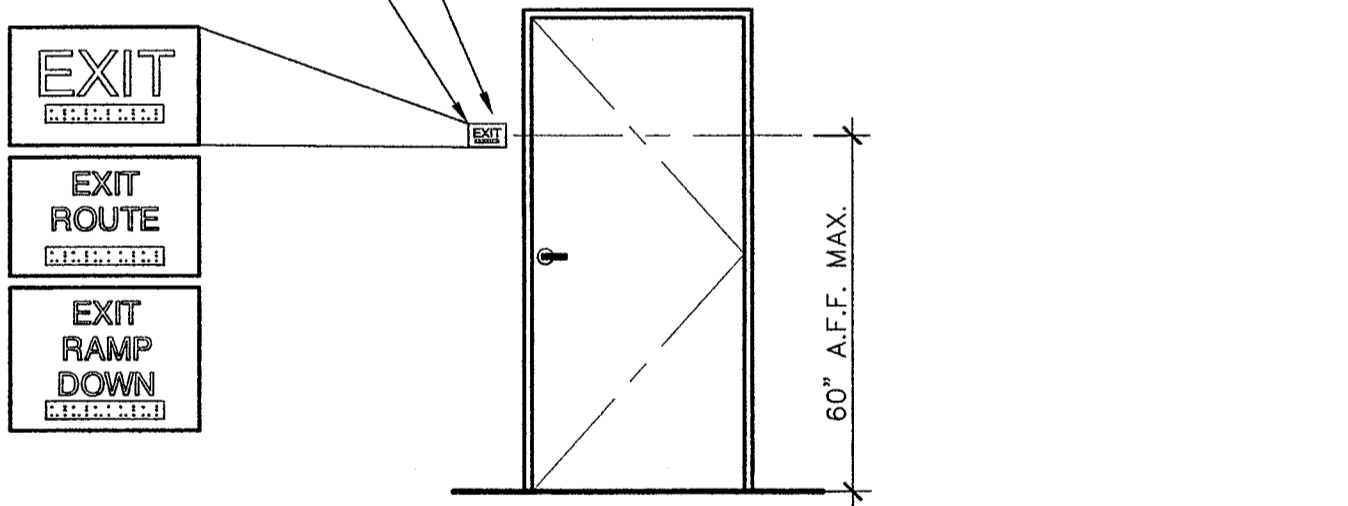
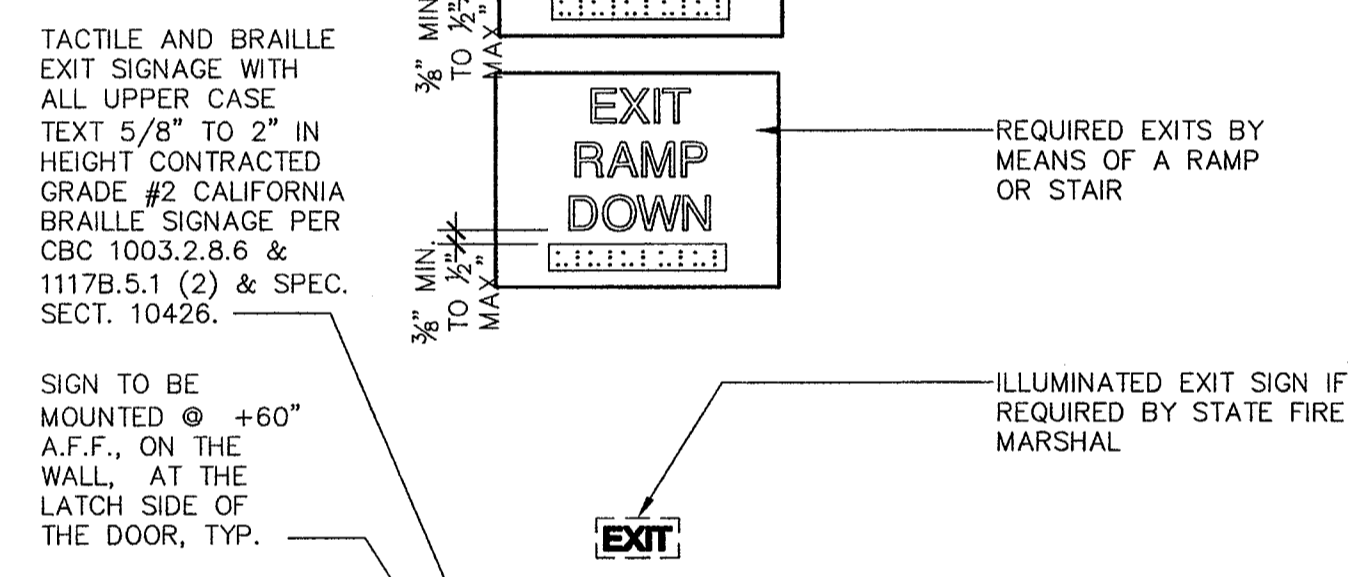
**DRYWELL DRAIN DETAIL**  
ADT013 DSM12  
SCALE: N.T.S.



NOTES:  
1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES, COLORS TO BE SELECTED BY ARCHITECT.  
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.  
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER ADAAG 4.30.5  
4. PERMANENT IDENTIFICATION FOR ROOMS AND SPACES OF A BUILDING OR SITE, SHALL USE RAISED LETTERS AND BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION CBC 1117B.5.2 - 1117B5.7  
5. ALL SIGNAGE SHALL HAVE A MIN. OF 3" CLEARANCE PERPENDICULAR TO THE FACE OF THE SIGN



NOTES:  
1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES, COLORS TO BE SELECTED BY ARCHITECT.  
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS, (COUNTERSUNK) AND ADHESIVE.  
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER ADAAG 4.30.5



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

**SITE DETAILS**

Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL**  
**14 NEW RELOCATABLE BLDGS.**  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date: 08/03/09  
Date: 08/03/09  
Designer: J.C.M.  
DR: C.M.  
PC: C.M.

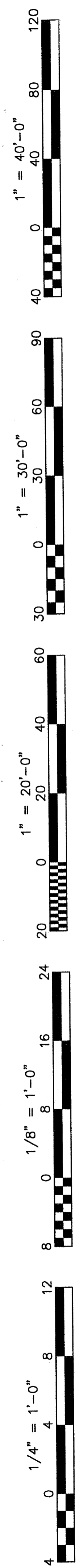
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FILE # 15-6  
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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03-112-024  
AC 10/03/09 SS  
DATE 8/18/09  
TRACKING #: 63321-94

Stamp(s):  
LICENSED ARCHITECT  
CURTIS E. MCNALLY  
No. C 28966  
STATE OF CALIFORNIA

Job No.: **3829.1**

Sheet No.: **A1.04**

Release: -



### ABBREVIATIONS

A, AMP	AMPERES	LIG	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	OWNER FURNISHED OWNER INSTALLED
CO	CONDUIT ONLY (EMPTY CONDUIT) WITH PULL WIRE	OF/OI	OWNER FURNISHED OWNER INSTALLED
CPB	COMMUNICATIONS PULL BOX	Ø	Ø
CU	COPPER CONDUCTOR OR BUS	P	POLE
DB	DISTRIBUTION PANEL	P.A./PA	PUBLIC ADDRESS SYSTEM
EMT	ELECTRIC METALLIC TUBING	PB	PULL BOX
EWC	ELECTRIC WATER COOLER	PVI	POST INDICATOR VALVE
EM	EMERGENCY	PNL	PANEL
(E)	EXISTING	PPB	POWER PULL BOX
E.O.L.	END-OF-LINE	RS	RAPID START
EPO	EMERGENCY POWER-OFF	REC/RECEPT.	RECEPTACLE
F	FUSE	REF.	REFRIGERATOR
FS	FLOW SWITCH	RM	ROOM
F.A./FA	FIRE ALARM	SCE	SIGNAL CURRENT EXPANDER PANEL
FACP	FIRE ALARM CONTROL PANEL	S.L.	SECURITY LIGHT
F.B.O.	FURNISHED BY OTHER/FURNISHED BY OWNER	SPB	SIGNAL PULL BOX
FLA	FULL LOAD AMPS	STB	SIGNAL TERMINAL BOARD
G	GREEN GROUND WIRE	STC	SIGNAL TERMINAL CABINET
GFCI	GROUND FAULT CIRCUIT INTERRUPT	SW	SWITCH
GND	GROUND	TPB	TELEPHONE PULL BOX
GRS	GALVANIZED RIGID STEEL	TS	TAMPER SWITCH
HC	HORIZONTAL CROSSCONNECT	TEL	TELEPHONE
HID	HIGH INTENSITY DISCHARGE	TERM	TERMINAL
HP	HORSEPOWER	TYP	TYPICAL
HPS	HIGH PRESSURE SODIUM	TTB	TELEPHONE TERMINAL BOARD
I.B.O.	INSTALLED BY OTHER	TTC	TELEPHONE TERMINAL CABINET
I.B.E.	INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR	U.C.	UNDER COUNTER
IDF	INTERMEDIATE DISTRIBUTION FRAME(DATA)	U.O.N.	UNLESS OTHERWISE NOTED
INT	INTRUSION ALARM	V	VOLTS/VOLTAGE
J/JB	JUNCTION BOX	V.P.	VANDAL PROOF
KV	KILOVOLTS	W	WATTS
KVA	KILOVOLTS-AMPERES	WP	WEATHERPROOF
KW	KILOWATT	WM	WIREMOLD
LV	LOW VOLTAGE		

### MOUNTING HEIGHTS

**NOTES:**

- ALL MEASUREMENTS ARE A.F.F.
- SEE DRAWINGS FOR NON-TYPICAL MOUNTING HEIGHTS
- WHERE MOUNTING HEIGHTS ARE NOT SHOWN, REFER TO ARCHITECT
- 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 SCNCES	: 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

- 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.
- 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

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

### DEMOLITION AND CLEANUP NOTES

- 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.
- REMOVE ALL MATERIAL CAUSED BY THE DEMOLITION WORK FROM THE SITE AND LEAVE THE PREMISES CLEAN AND FREE OF DEBRIS.

### ELECTRICAL EQUIPMENT BRACING NOTES

- ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
    - FIXED EQUIPMENT ON GRADE COORDINATE WITH STRUCTURAL ENGINEER FOR SITE SPECIFIC VALUES
    - FIXED EQUIPMENT ON STRUCTURE COORDINATE WITH STRUCTURAL ENGINEER FOR SITE SPECIFIC VALUES
 THIS TABLE HAS BEEN PREPARED FOR AN IMPORTANCE FACTOR OF 1-1.5 AND FOR SEISMIC ZONE 4. MAKE APPROPRIATE ADJUSTMENT FOR ANY OTHER VALUES.
  - FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 x THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE - USE 1/3 x HORIZONTAL FORCE.
    - PENDANT MOUNTED FIXTURES FREE TO SWING 45 DEGREES WITHOUT TOUCHING ANY OBSTRUCTIONS ARE IN COMPLIANCE.
  - WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
- GENERAL NOTES:**
- ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA.
  - THE TOTAL DESIGN LATERAL SEISMIC FORCE SHALL BE DETERMINED FROM SECTION 13.6 OF ASCE 7.05 FORCES SHALL BE APPLIED IN THE HORIZONTAL DIRECTIONS, WHICH RESULT IN THE MOST CRITICAL LOADING FOR DESIGN.
  - THE VALUE OF  $A_p$  (COMPONENT AMPLIFICATION FACTOR) &  $R_p$  (COMPONENT RESPONSE MODIFICATION FACTOR) OF SECTION 1632A.2 SHALL BE SELECTED FROM TABLE 13.6-1 OF ASCE 7.05. THE VALUE OF  $I_p$  (SEISMIC IMPORTANCE FACTOR) AND  $C_a$  (SEISMIC COEFFICIENT) SHALL BE SELECTED FROM SECTION 13.1.3 OF ASCE 7.05. THE VALUE OF THE  $S_d$ s (SPECTRAL ACCELERATION START PERIOD) SHALL BE FROM THE STRUCTURAL DRAWINGS.
  - ALL SWAY SUPPORT CABLES SHALL BE 12 GAUGE STEEL.

### 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 KEYED SWITCH - 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
	PULL BOX(S) - SIZE AND NUMBER AS INDICATED.
	WALKER DUCT WITH FLOOR JACK
	FAN.
	CLOCK AND SPEAKER COMBINATION
	TIME CLOCK - AMERICAN TIME AND SIGNAL 12" #5568AD304
	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

### PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 72	NATIONAL FIRE ALARM CODE (CALIF. AMENDED) (NOTE SEE UL STANDARD 1971 FOR VISUAL DEVICES).	2002 EDITION
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	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 CEILING. 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 IN WALL OR CEILING. 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 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.
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	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

- 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.
- IN CASE OF INTERFERENCE BETWEEN ELECTRICAL EQUIPMENT SHOWN ON THE DRAWINGS AND OTHER EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING.
- ALL OUTDOOR DEVICES SHALL BE WEATHERPROOF.
- 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.
- 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.
- 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
- 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.
- ALL PHASE CONDUCTORS SHALL HAVE THEIR OWN NEUTRALS. NO SHARING OF NEUTRALS ALLOWED.
- 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.
- 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.
- THE CONTRACTOR SHALL OBTAIN A FULL SET OF PLANS AND SPECIFICATIONS WHEN BIDDING THIS PROJECT.
- 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.
- PROVIDE A DEDICATED 20A/1P CIRCUIT AND CIRCUIT BREAKERS AT ALL IDF LOCATIONS. RUN CIRCUITS 0 TO THE NEAREST 120V PANEL.
- ALL FIRE ALARM PANELS AND SIGNAL EXPANDER PANELS SHALL BE FED WITH CIRCUIT BREAKERS THAT HAVE LOCKOUT DEVICES AND HANDLES PAINTED RED.
- PROVIDE (2) TELEPHONE CABLES TO EACH FIRE ALARM PANEL AND CONNECT AT THE PROPERTY TELEPHONE MPOE WITH TWO DEDICATED OUTSIDE PHONE LINES
- ALL ELECTRICAL PANEL BUSBARS SHALL BE COPPER. EQUAL PANEL MANUFACTURERS SHALL BE GE, CUTLER-HAMMER, SQUARED, AND WESTINGHOUSE.
- ALL SCTB SHALL BE 8x4x3/4" DEEP PLYWOOD WITH FIRE RETARDANT PAINT. FIELD CUT TO FIT.
- 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.

### INTRUSION ALARM NOTES

- FOR THE CLASSROOMS: EACH CLASSROOM PROVIDE AN 8 CONDUCTOR FROM THE INTRUSION ALARM PANEL. THEN PROVIDE A 2 CONDUCTOR 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 ARE 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.CONTRACTORSWIRE.COM.
- 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. 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
- E1.3 ELECTRICAL DEMOLITION SITE PLAN
- E2.2 ELECTRICAL SITE PLAN
- E2.3 FIRE ALARM SITE AND ROUTING PLAN
- E3.1 FIRE ALARM SYMBOL LEGEND, NOTES, AND CALCULATIONS
- E3.2 FIRE ALARM RISER DIAGRAMS
- E3.3 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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Sheet Title: **ELECTRICAL SYMBOL LEGEND, AND NOTES**  
Project Name & Address: **FREMONT MAGNET ELEM. SCHOOL 14 CLASSROOM BLDG. BAKERSFIELD CITY SCHOOL DISTRICT 607 TEXAS ST. BAKERSFIELD, CA 93307**

Issue Date: \_\_\_\_\_ Date: \_\_\_\_\_ Designer: \_\_\_\_\_ DRC: \_\_\_\_\_ PC: \_\_\_\_\_

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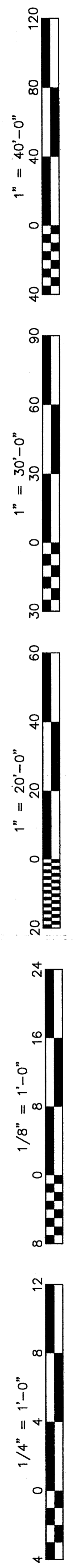
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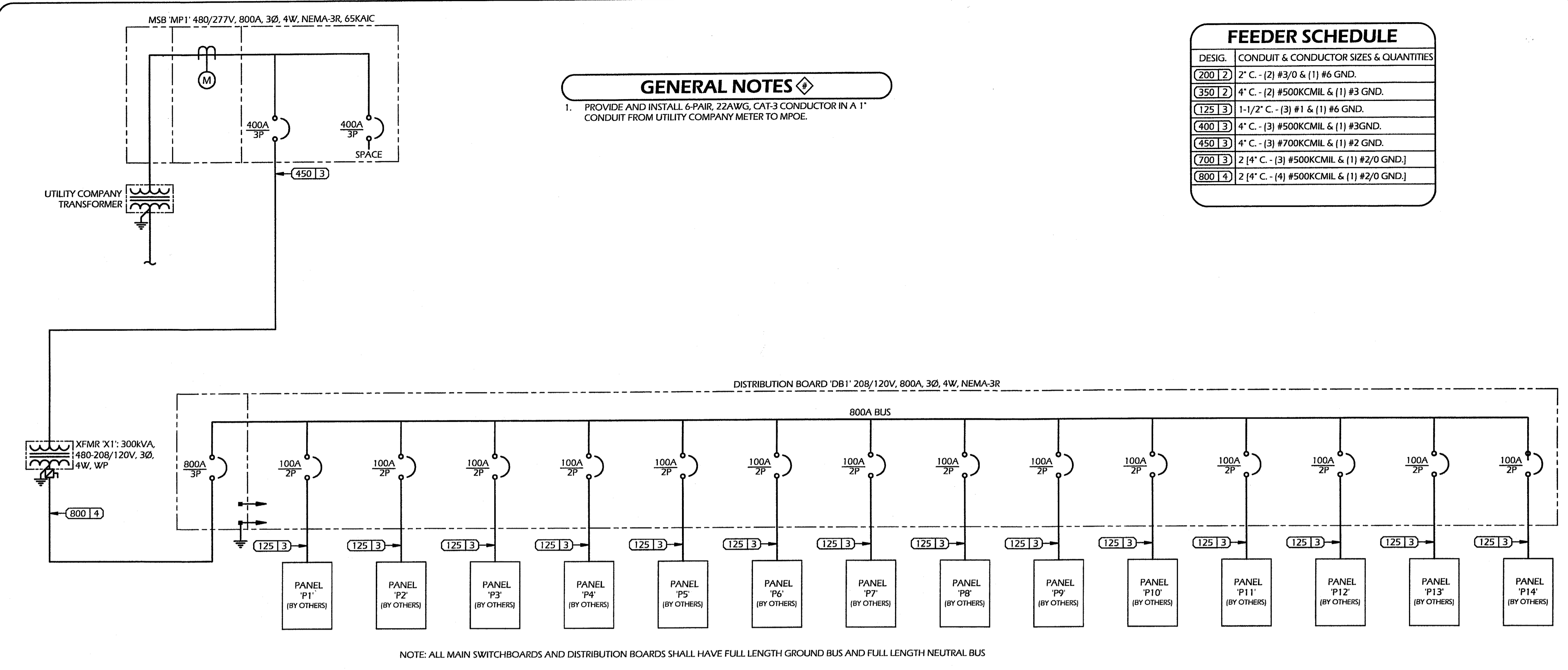
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PULL BOX SCHEDULE			
DESIGNATOR	SIZE	REMARKS	PHASE
P1	R27	POWER, SPARE	1
P2	R27	POWER, SPARE	1
P3	R27	POWER, SPARE	1
P4	N40	POWER, SPARE	1
P5	N16	POWER, SPARE	1
P6	N16	POWER, SPARE	1
P7	N16	POWER, SPARE	1
P8	N16	POWER, SPARE	1
P9	N16	POWER, SPARE	1
P10	N16	POWER, SPARE	1
P11	N16	POWER, SPARE	1
P12	N16	POWER, SPARE	1
P13	N16	POWER, SPARE	1
P14	N16	POWER, SPARE	2
P15	N16	POWER, SPARE	2
P16	N16	POWER, SPARE	2
P17	N16	POWER, SPARE	2
C1	N36	DATA/TEL/TV/SPARE	1
C2	N36	DATA/TEL/TV/SPARE	1
C3	N36	DATA/TEL/TV/SPARE	1
C4	N36	DATA/TEL/TV/SPARE	1
C5	N36	DATA/TEL/TV/SPARE	1
C6	N36	DATA/TEL/TV/SPARE	1
C7	N36	DATA/TEL/TV/SPARE	1
C8	N36	DATA/TEL/TV/SPARE	1
C9	N36	DATA/TEL/TV/SPARE	1
C10	N36	DATA/TEL/TV/SPARE	1
C11	N36	DATA/TEL/TV/SPARE	1
C12	N36	DATA/TEL/TV/SPARE	2
C13	N36	DATA/TEL/TV/SPARE	2
C14	N36	DATA/TEL/TV/SPARE	2
C15	N36	DATA/TEL/TV/SPARE	2
S1	N36	PA/FA/IA	1
S2	N36	PA/FA/IA	1
S3	N36	PA/FA/IA	1
S4	N36	PA/FA/IA	1
S5	N36	PA/FA/IA	1
S6	N36	PA/FA/IA	1
S7	N36	PA/FA/IA	1
S8	N36	PA/FA/IA	1
S9	N36	PA/FA/IA	1
S10	N36	PA/FA/IA	1
S11	N36	PA/FA/IA	1
S12	N36	PA/FA/IA	2
S13	N36	PA/FA/IA	2
S14	N36	PA/FA/IA	2
S15	N36	PA/FA/IA	2

**NOTES:**  
 1. ALL PULL BOXES SHALL BE EITHER BROOKS, CHRISTY, OR EQUIVALENT.  
 2. ALL PULL BOXES SHALL BE PROVIDED WITH EXTENSION RINGS AND BOLT DOWN COVERS AS REQUIRED TO SUIT THE APPLICATION. VERIFY PULL BOX LOCATIONS REQUIRING FULL TRAFFIC COVERS WITH THE ARCHITECT AND CIVIL ENGINEER.  
 3. LABEL PULL BOXES 'ELECTRICAL', 'SIGNAL' OR 'COMMUNICATIONS' AS REQUIRED.



**SINGLE LINE DIAGRAM**  
 NOT TO SCALE

FEEDER SCHEDULE	
DESIG.	CONDUIT & CONDUCTOR SIZES & QUANTITIES
(200) 2	2" C. - (2) #3/0 & (1) #6 GND.
(350) 2	4" C. - (2) #500KCMIL & (1) #3 GND.
(125) 3	1-1/2" C. - (3) #1 & (1) #6 GND.
(400) 3	4" C. - (3) #500KCMIL & (1) #3 GND.
(450) 3	4" C. - (3) #700KCMIL & (1) #2 GND.
(700) 3	2 [4" C. - (3) #500KCMIL & (1) #2/0 GND.]
(800) 4	2 [4" C. - (4) #500KCMIL & (1) #2/0 GND.]

**GENERAL NOTES**  
 1. PROVIDE AND INSTALL 6-PAIR, 22AWG, CAT-3 CONDUCTOR IN A 1" CONDUIT FROM UTILITY COMPANY METER TO MPOE.

DUCT BANK SCHEDULE																													
#	#	POWER							COMMUNICATION			SIGNAL		PHASE	#	#	POWER							COMMUNICATION			SIGNAL		PHASE
		POWER	SPARE	DATA	TELEPHONE	CATV	PA	SPARE	FIRE ALARM	SIGNAL	POWER	SPARE	DATA				TELEPHONE	CATV	PA	SPARE	FIRE ALARM	SIGNAL							
1	(2) 4"	-	-	-	-	-	-	-	-	-	-	-	-	1	20	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
2	(1) 4"	(1) 4"	-	-	-	-	-	-	-	-	-	-	-	1	21	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
3	(1) 4"	(1) 4"	-	-	-	-	-	-	-	-	-	-	-	1	22	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
4	(1) 4"	-	-	-	-	-	-	-	-	-	-	-	-	1	23	-	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
5	(1) 4"	-	-	-	-	-	-	-	-	-	-	-	-	1	24	-	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
6	-	-	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	-	-	-	-	-	-	1	25	(7) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
7	(14) 1-1/2"	-	-	-	-	-	-	-	-	-	-	-	-	1	26	(6) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1			
8	(14) 1-1/2"	-	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	-	-	-	-	-	-	1	27	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
9	(7) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	28	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
10	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	29	(5) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
11	(6) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	30	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
12	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	31	(4) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
13	(5) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	32	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
14	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	33	(3) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
15	(4) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	34	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
16	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	35	(2) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
17	(3) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	36	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
18	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1	37	(1) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	2			
19	(2) 1-1/2"	-	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	(1) 1-1/2"	1															

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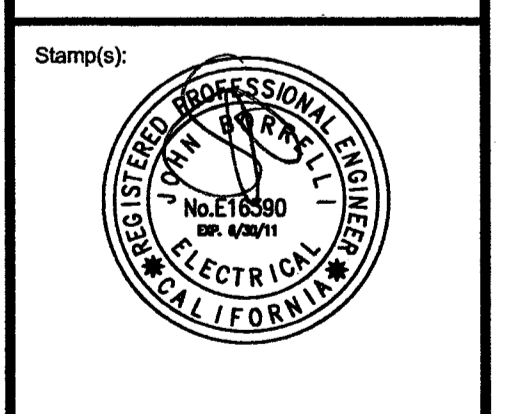
**SINGLE LINE DIAGRAM, DUCT BANK, AND PULLBOX SCHEDULES**

Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL - 14 CLASSROOM BLDG.**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Designer: \_\_\_\_\_  
 DRC: \_\_\_\_\_  
 PC: \_\_\_\_\_

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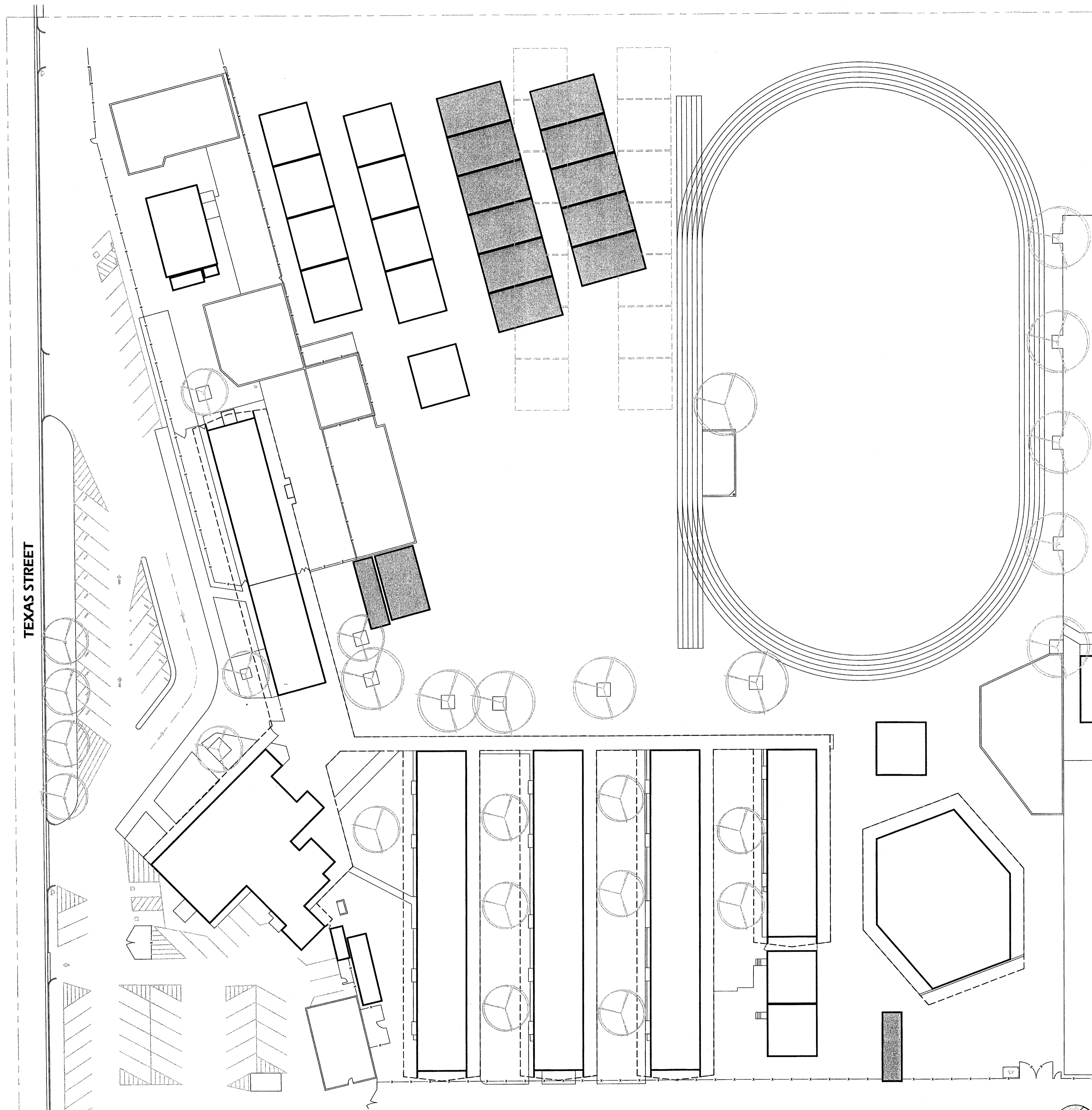
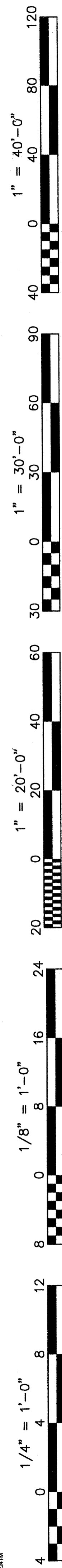
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1  
ELECTRICAL DEMOLITION SITE PLAN  
SCALE: 1"=30'-0"

**GENERAL NOTES**

1. SCHOOL DISTRICT WILL DISCONNECT ALL ELECTRICAL SERVICES TO THE EXISTING PORTABLES AND REMOVE ALL BUILDINGS.

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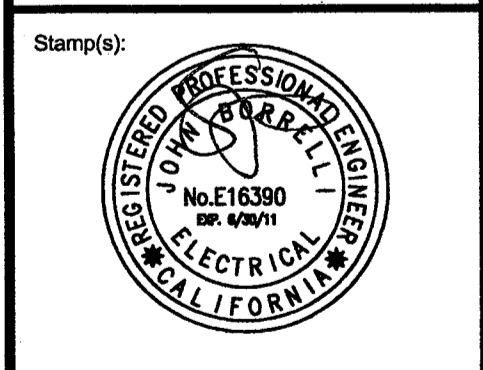
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Revision:	Rev. Date:	Revision Description:

**ELECTRICAL DEMOLITION SITE PLAN**  
Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL  
14 CLASSROOM BLDG.**  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date:  
Date:  
Designer:  
DR:  
PC:

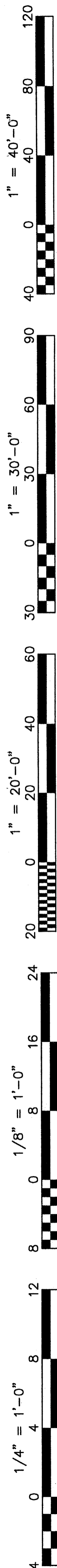
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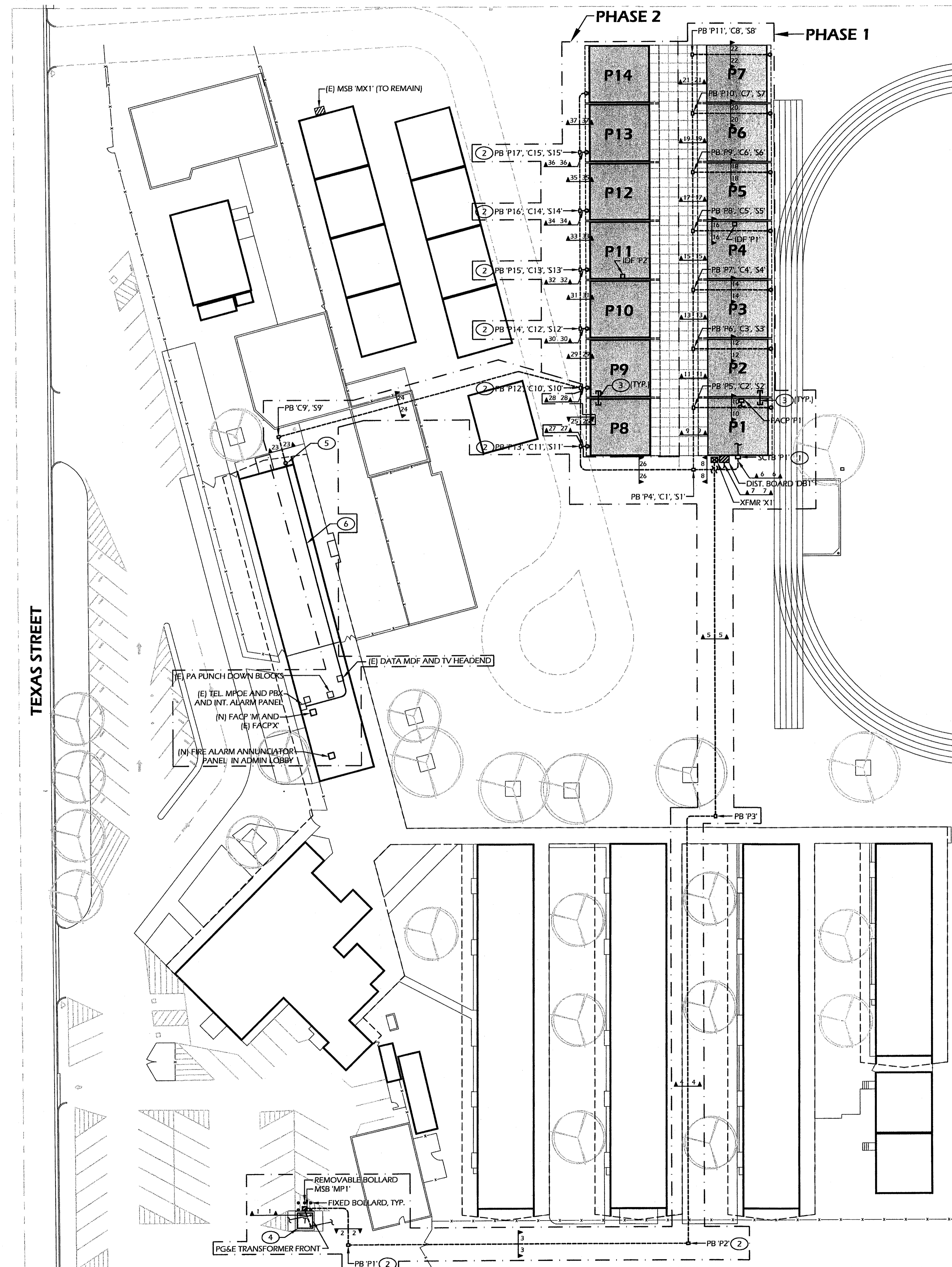
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### TRENCHING AND EXCAVATION NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL UNDERGROUND SERVICE ALERT 'USA' BEFORE THE COMMENCEMENT OF ANY EXCAVATION. EACH CONTRACTOR SHALL HAVE THEIR OWN USA TICKET NUMBER FOR EACH PROJECT LOCATION AND SHALL NOT RIDE ON ANY OTHER CONTRACTOR'S TICKET. CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS PRIOR TO EXCAVATION.
- THIS CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING NECESSARY FOR THE INSTALLATION OF EQUIPMENT AND MATERIALS. ALL PATCHING SHALL ACCURATELY MATCH THE ADJOINING WORK.
- THIS CONTRACTOR SHALL DO EXCAVATING REQUIRED FOR THE INSTALLATION OF THE WORK. UNDERGROUND LINES OUTSIDE THE BUILDINGS SHALL BE INSTALLED WITH A MINIMUM OF 24" OF COVER, EXCEPT DEPTH OF UTILITY SERVICES SHALL COMPLY WITH RESPECTIVE UTILITY COMPANY REQUIREMENTS.
- BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.
- STRUCTURES, BUILDING SLABS, WALKWAYS, AND STEPS: COMPACT TOP 6" OF SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 92% MAXIMUM RELATIVE COMPACTION.
- COMPACT TOP 6" OF SUBGRADE MATERIAL AT 85% RELATIVE COMPACTION.
- COMPACT TOP 6" OF SUBGRADE IMMEDIATELY BENEATH THE BASE COURSE AT 95% MINIMUM RELATIVE COMPACTION.
- ANY SURPLUS EXCAVATION RESULTING FROM THESE EXCAVATIONS SHALL BE HAULED OFF.
- AFTER ALL TRENCHES HAVE BEEN TAMPED IN, RAKE OUT ALL HIGH AND LOW AREAS ALONG THE TRENCH LINE. ALL CLODS AND SOLID ROCKS EXPOSED ON THE SURFACE AS A RESULT OF THE EXCAVATION SHALL BE BROKEN DOWN AND OR CLEANED UP. ALL TRENCH LINES SHALL BE RAKED LEVEL WITH EXISTING GRADE.
- ELECTRICAL CONDUIT SHALL NOT BE RUN IN EXCAVATIONS PROVIDED FOR PLUMBING OR HEATING PIPES, UNLESS SEPARATED BY A MINIMUM OF 12 INCHES.
- PATCH ALL TRENCHED AREAS TO MATCH EXISTING.
- HAND EXCAVATE IN AREAS WHERE TRENCHING IS DIFFICULT DUE TO STRUCTURAL OBSTRUCTIONS OR EXISTING UNDERGROUND CONDUIT.



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

### SHEET NOTES

- PROVIDE NEMA 3R ENCLOSURE WITH A 3/4" PLYWOOD BACKBOARD. PAINT BACKBOARD WITH FIRE RESISTANT PAINT. PROVIDE TWO QUAD RECEPTACLES WITHIN ENCLOSURE AND CONNECT EACH TO A DEDICATED CIRCUIT WITHIN NEAREST 120V PANEL. PROVIDE (4) 2" C FROM THE TOP OF THE NEMA 3R ENCLOSURE TO TWO 18"x18"x10" DEEP HINGED WIREWAYS LOCATED ABOVE THE INTERIOR CEILING T-BAR LEVEL. PROVIDE (4) 2" C NIPPLES FROM THE WIREWAYS TO THE INTERIOR ATTIC SPACE.
- PULLBOXES SHALL BE TRAFFIC RATED.
- TYPICAL PROVIDE (3) 2" FLEXIBLE CONDUIT NIPPLES BETWEEN THE ATTIC SPACES OF ALL PORTABLE BUILDINGS AT ALL LOCATIONS ON THE SITE. CONTRACTOR SHALL WIRE THROUGH AND CONNECT ALL PORTABLES. THIS METHOD OF WIRING SHALL BE USED AND LISTED WITHIN THE BASE ELECTRICAL BID. CONTRACTOR SHALL PROVIDE SEPARATE COST IN THEIR BID FOR NOT ROUTING CABLING THROUGH EACH PORTABLE BUT ROUTING THE CABLING WITHIN THE EXTERIOR CONDUIT RACEWAYS SO AS NOT TO LOOP CABLING THROUGH SUCCESSIVE ADJACENT PORTABLES.
- COORDINATE WITH PG&E. DISCONNECT AND REMOVE THE EXISTING TRANSFORMER AND TRANSFORMER PAD. PROVIDE NEW CONDUITS TO THE NEW METER MAIN INDICATED. PROVIDE A NEW 90"x106"x8" DEEP CONCRETE PAD PER PG&E REQUIREMENTS. COORDINATE WITH THE THE SCHOOL DISTRICT FOR POWER SHUT DOWN. CONTRACTOR SHALL OBTAIN THE RULE-16 DRAWINGS FROM THE PG&E PRIOR TO ORDERING A NEW CONCRETE PAD.
- PROVIDE 18"x18"x10" DEEP HINGED WEATHERPROOF WIREWAY MOUNTED UP HIGH AND ABOVE THE INTERIOR CEILING LEVEL. PROVIDE (6) 1-1/2" C NIPPLES FROM THE WIREWAY TO THE INTERIOR ATTIC SPACE.
- RUN CABLES ON J-HOOKS WITHIN ATTIC SPACE.

### GENERAL NOTES

- SUBSURFACE BORING SHALL BE CONSIDERED AN ACCEPTABLE ALTERNATIVE TO CUTTING AND PATCHING EXISTING PAVING SURFACES. IF SUBSURFACE BORING IS UTILIZED, THE BORING PROCEDURE MUST BE PRE-APPROVED WITH THE ARCHITECT PRIOR TO COMMENCING ANY SUBSURFACE BORING OPERATIONS. IF DIRECTIONAL BORING IS CHOSEN, THE CONTRACTOR SHALL INVESTIGATE PRIOR TO DIRECTIONAL BORING SO THAT ANY EXISTING UTILITIES ARE NOT DAMAGED.
- PROVIDE (1) 12"x12"x8" DEEP POWER J-BOX, (1) 12"x12"x8" DEEP SIGNAL J-BOX, AND (1) 12"x12"x8" DEEP COMMUNICATION J-BOX BEHIND EACH RELOCATABLE. ALL J-BOXES SHALL HAVE A HINGED COVER AND BE WEATHERPROOF. MOUNT SIGNAL AND COMMUNICATIONS BOXES UP HIGH ABOVE THE INTERIOR T-BAR LEVEL. PROVIDE (3) 2" C NIPPLES FORM EACH BOX TO THE INTERIOR ATTIC SPACE.

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Rev. No.	Rev. Date	Revision Description

**ELECTRICAL SITE PLAN**

Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL  
14 CLASSROOM BLDG.**  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Designer: \_\_\_\_\_  
D/C: \_\_\_\_\_  
P/C: \_\_\_\_\_

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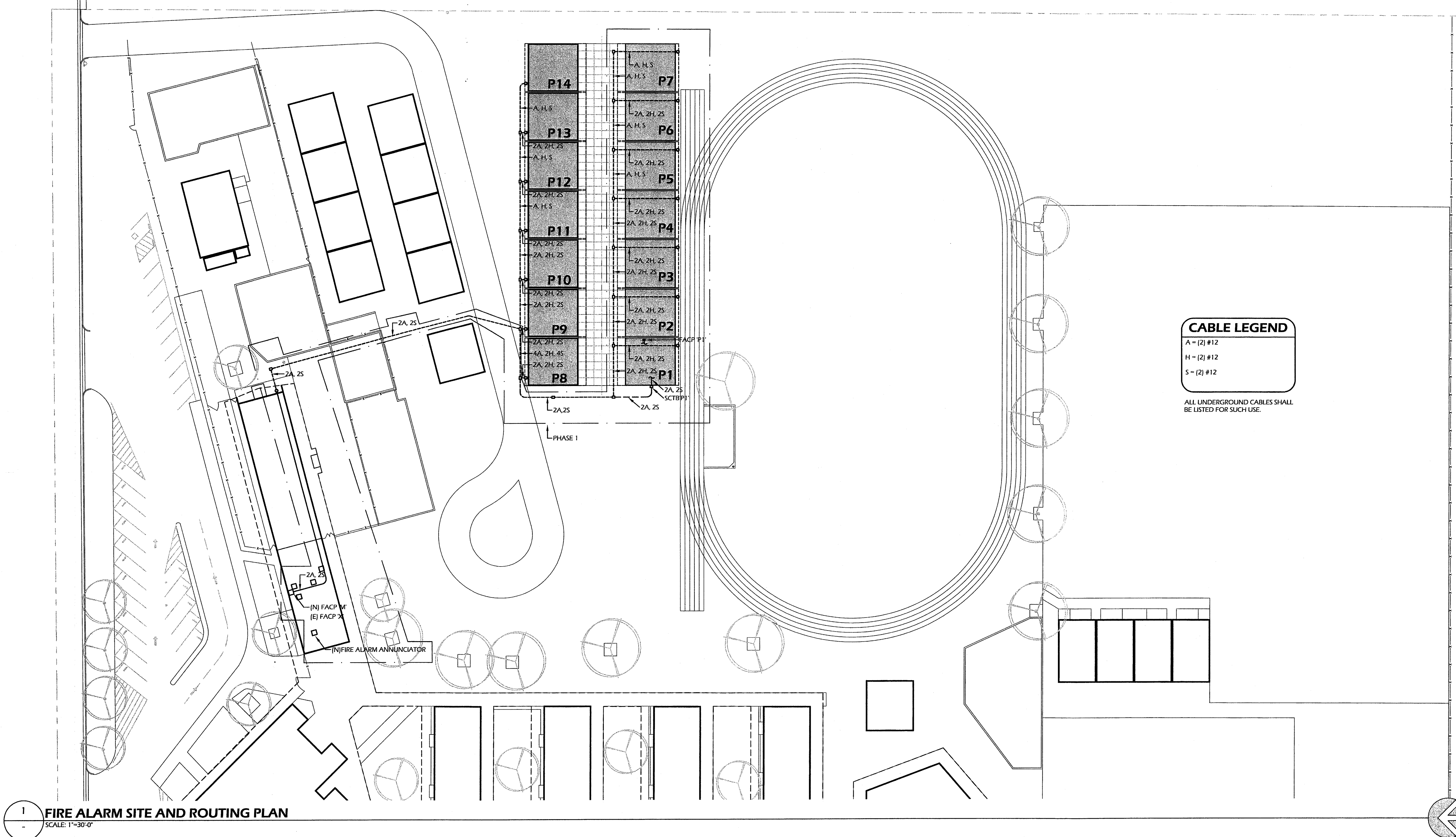
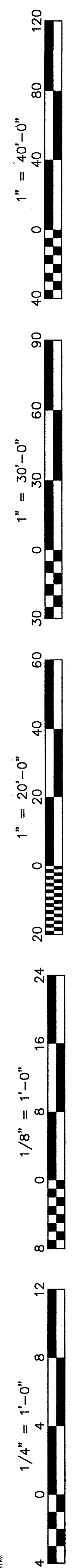
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**CABLE LEGEND**

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

ALL UNDERGROUND CABLES SHALL BE LISTED FOR SUCH USE.

**1 FIRE ALARM SITE AND ROUTING PLAN**  
 SCALE: 1"=30'-0"

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**FIRE ALARM SITE AND ROUTING PLAN**

Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL**  
**14 CLASSROOM BLDG.**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Designer: \_\_\_\_\_  
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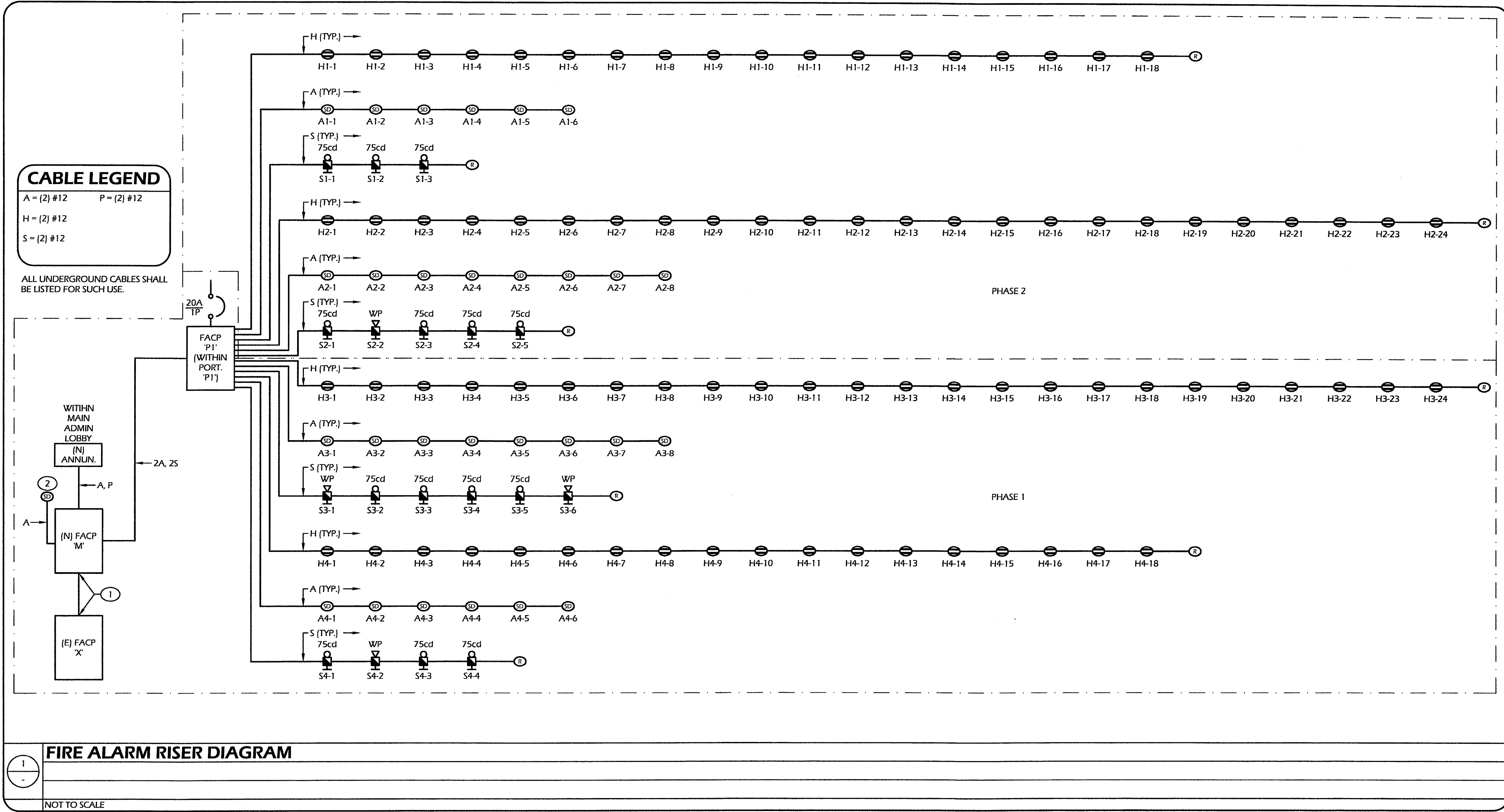
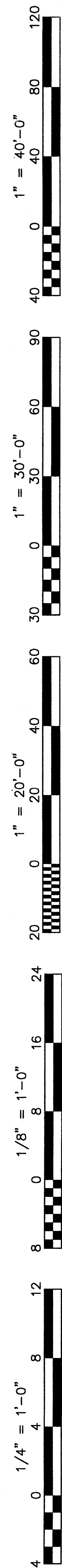
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**SHEET NOTES**

- DISCONNECT AND REMOVE EXISTING FACP. REPLACE WITH NEW FACP SPECIFIED. PROVIDE (2) #12 CONDUCTORS AND RECONNECT ALL FIRE ALARM CIRCUITS, POWER CONDUCTORS, AND TELEPHONE LINES.
- LOCATED NEAR THE FACP.

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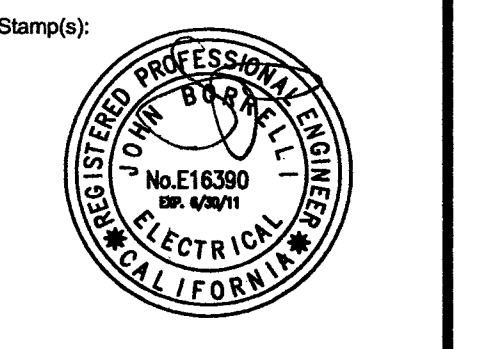
**FIRE ALARM RISER DIAGRAMS**

**FREMONT MAGNET ELEM. SCHOOL  
 14 CLASSROOM BLDG.**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
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Issue Date: \_\_\_\_\_  
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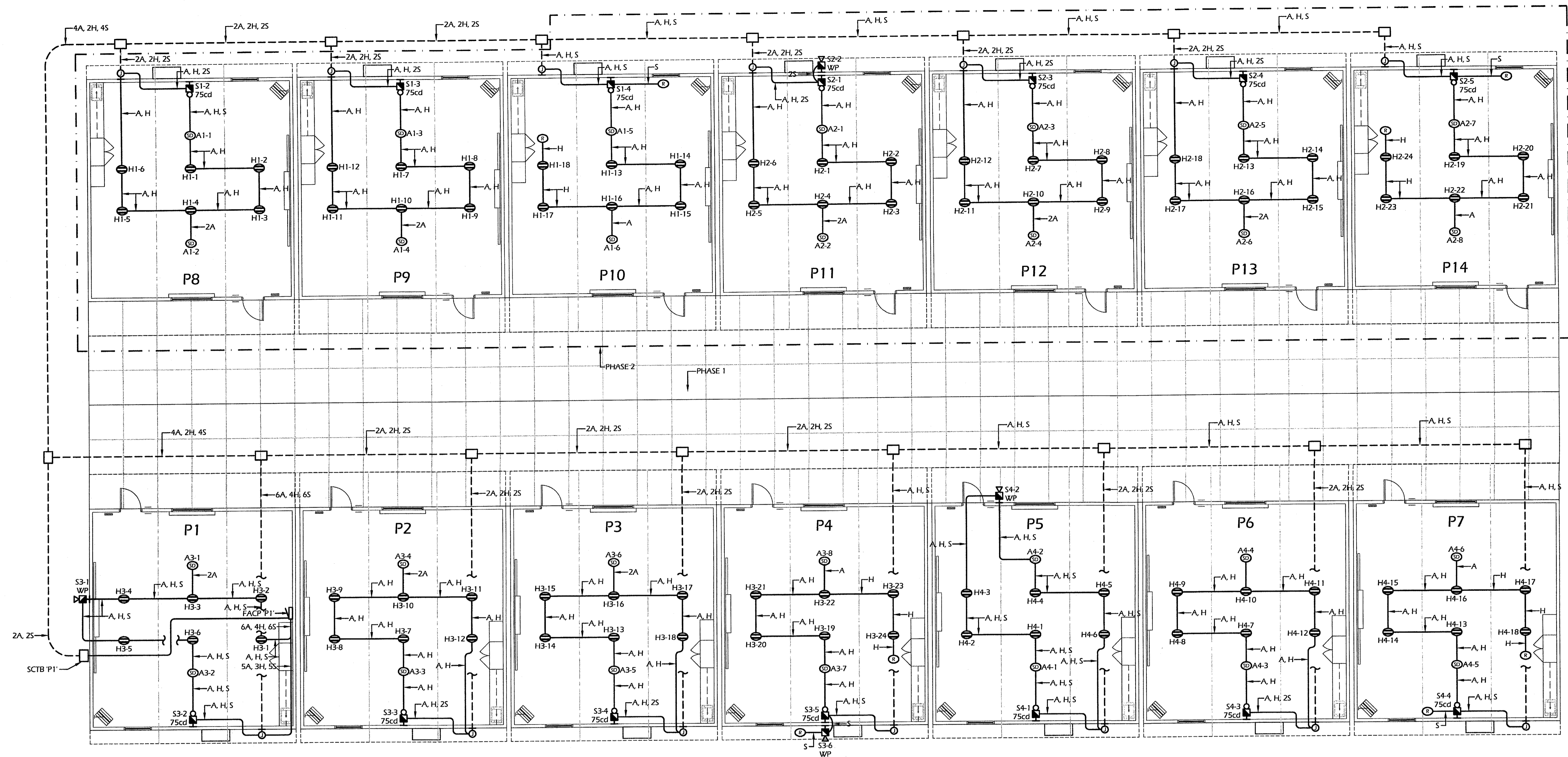
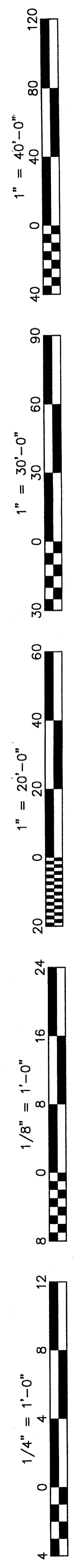


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 CONSULTING ELECTRICAL ENGINEERS  
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 FRESNO, CALIFORNIA 93704  
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 HTTP://WWW.BORRELLIENGINEERING.COM  
 E-MAIL: ADMIN@BORRELLIENGINEERING.COM



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

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

ALL UNDERGROUND CABLES SHALL BE LISTED FOR SUCH USE.

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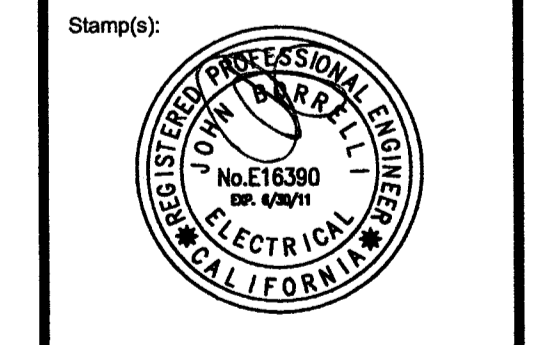
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**NEW PORTABLE GROUP FIRE ALARM FLOOR PLANS**  
FREMONT MAGNET ELEM. SCHOOL  
14 CLASSROOM BLDG.  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Designer: \_\_\_\_\_  
DRC: \_\_\_\_\_  
P/C: \_\_\_\_\_

DSA Identification Stamp:

FILE # : \_\_\_\_\_  
IDENTIFICATION STAMP  
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OFFICE OF REGULATION SERVICES  
03-112984  
AC. [Signature] FLS. [Signature] SS. [Signature]  
DATE: 8-18-07  
TRACKING # : \_\_\_\_\_



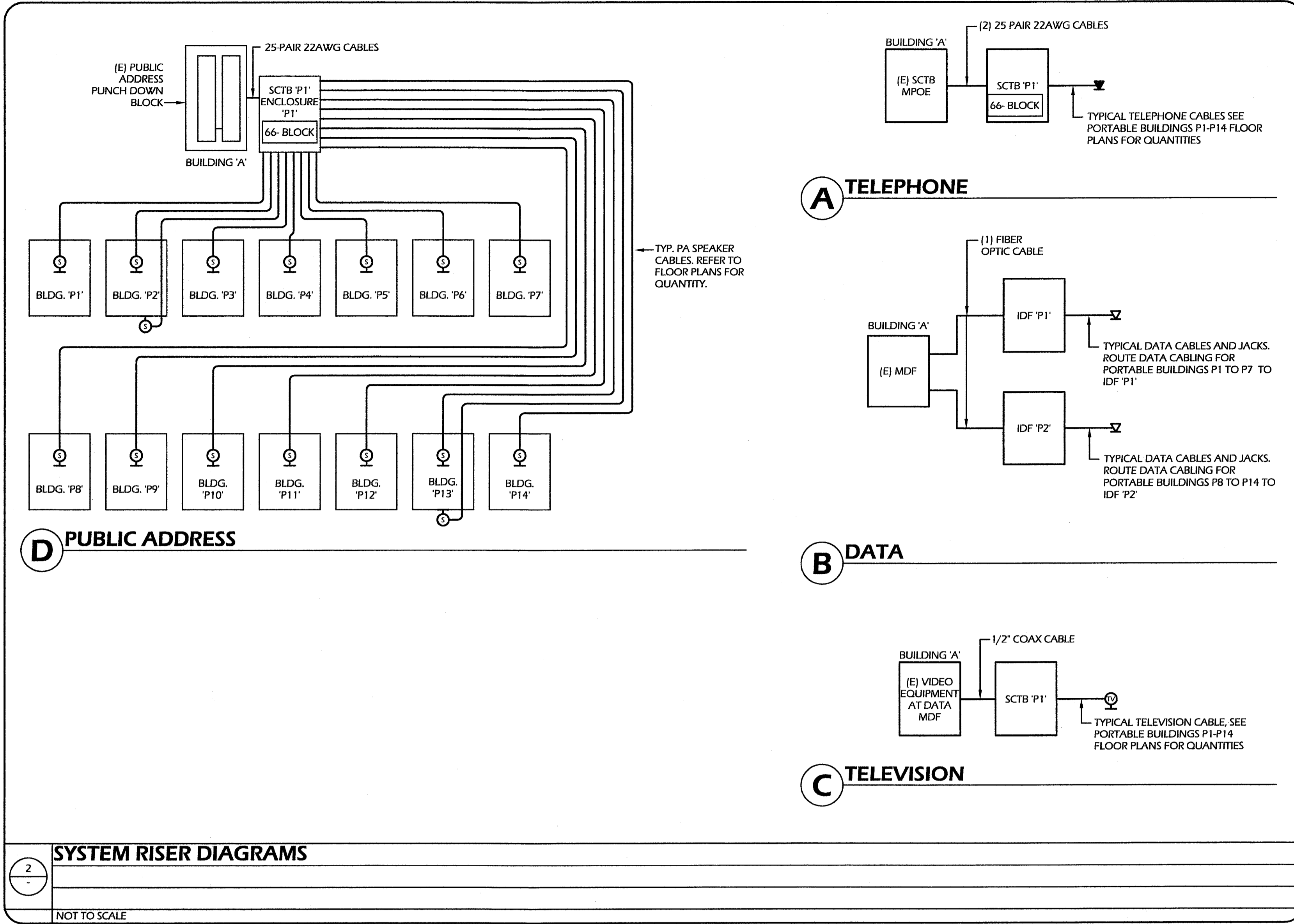
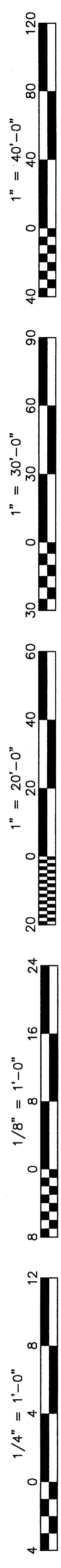
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Job No.: **3829.1**

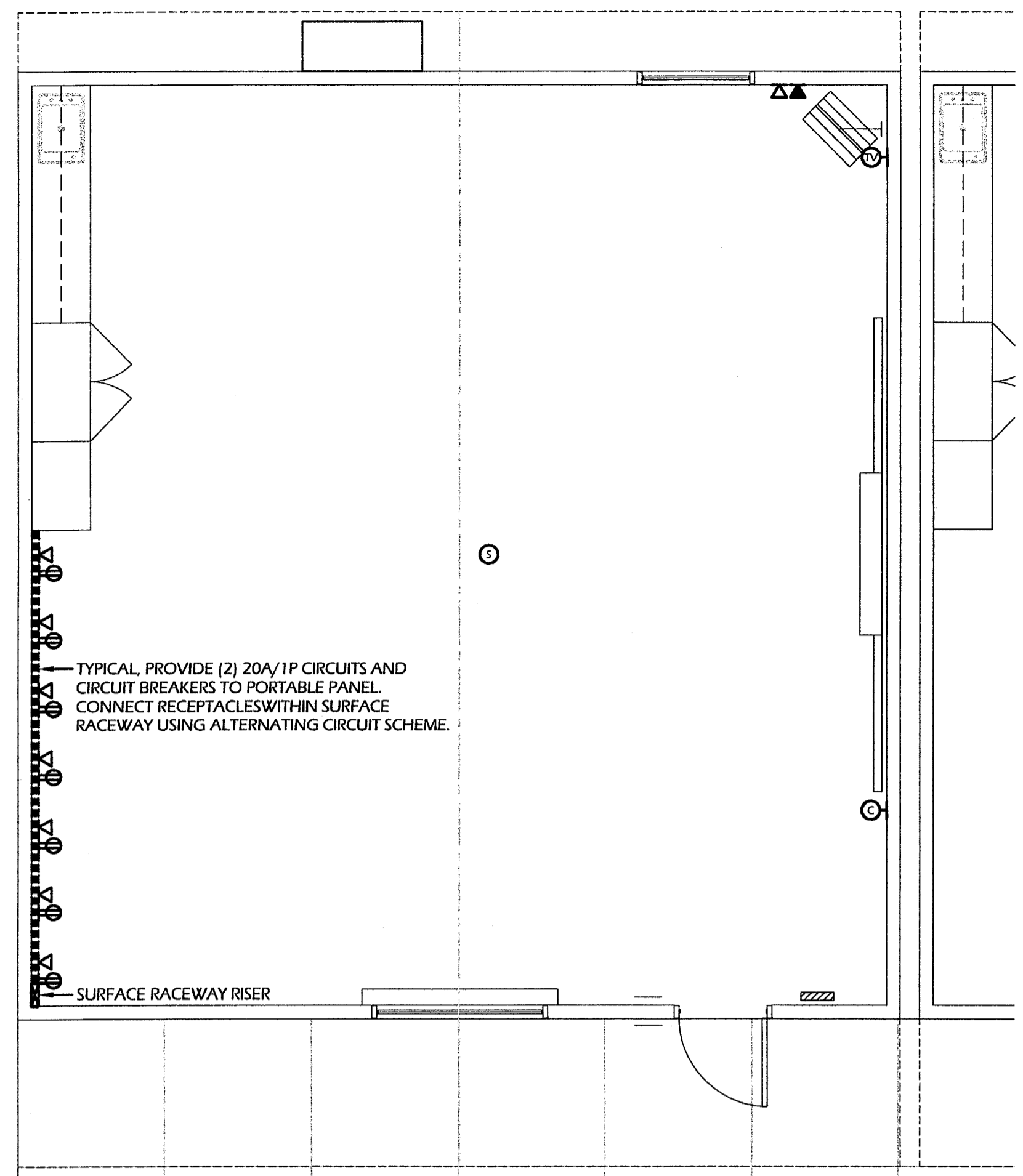
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**1** TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN  
SCALE: 1/4"=1'-0"



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www.integrateddesigns.com

Rev. No.	Date	Description

**TYPICAL PORTABLE PARTIAL POWER AND SIGNAL FLOOR PLAN**

Project Name & Address:  
**FREMONT MAGNET ELEM. SCHOOL 14 CLASSROOM BLDG.**  
BAKERSFIELD CITY SCHOOL DISTRICT  
607 TEXAS ST. BAKERSFIELD, CA 93307

Issue Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Designer: \_\_\_\_\_  
DR: \_\_\_\_\_  
PC: \_\_\_\_\_

FILE # : \_\_\_\_\_

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DIV. OF THE STATE ARCHITECT  
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03-112 924  
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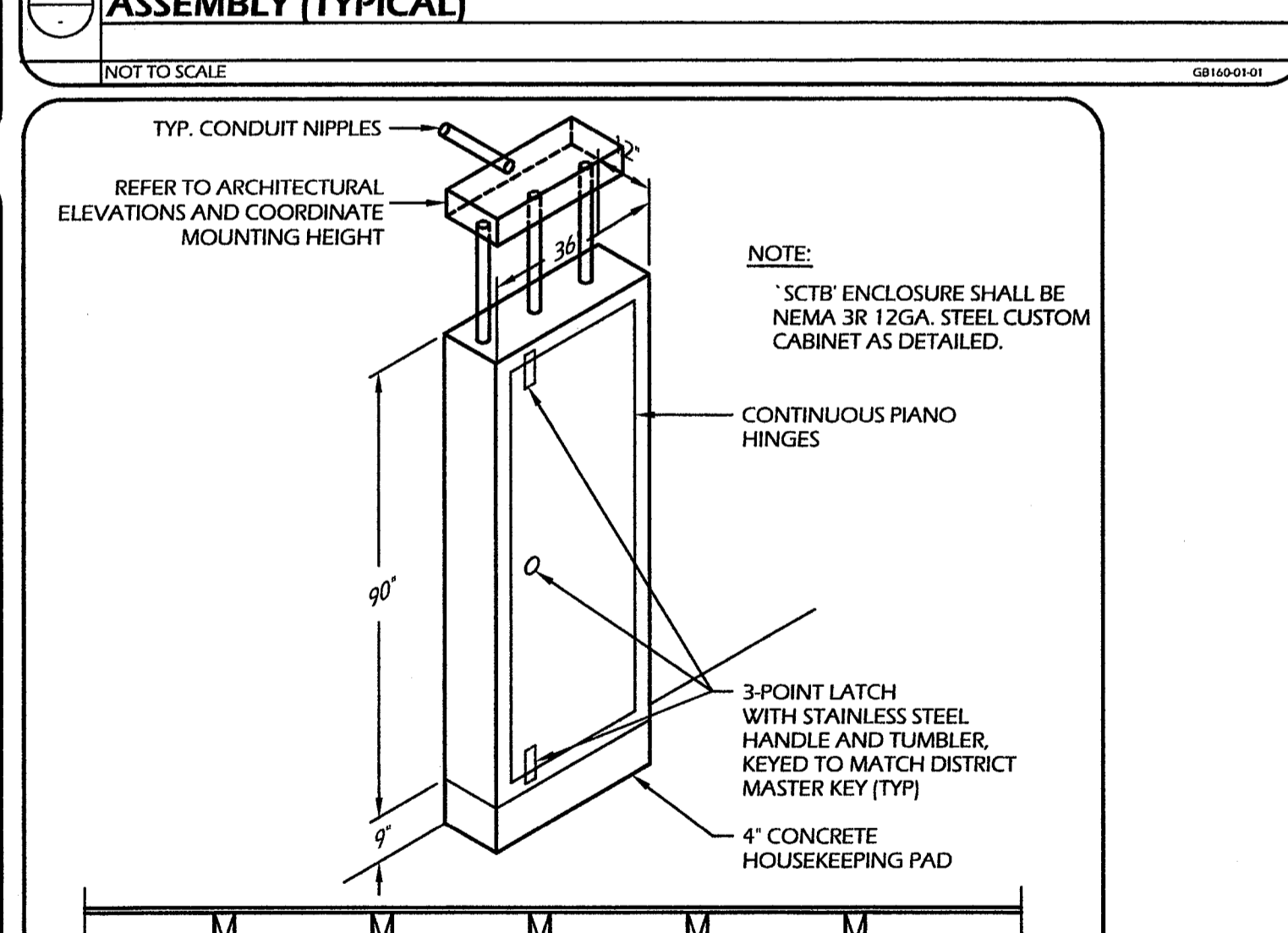
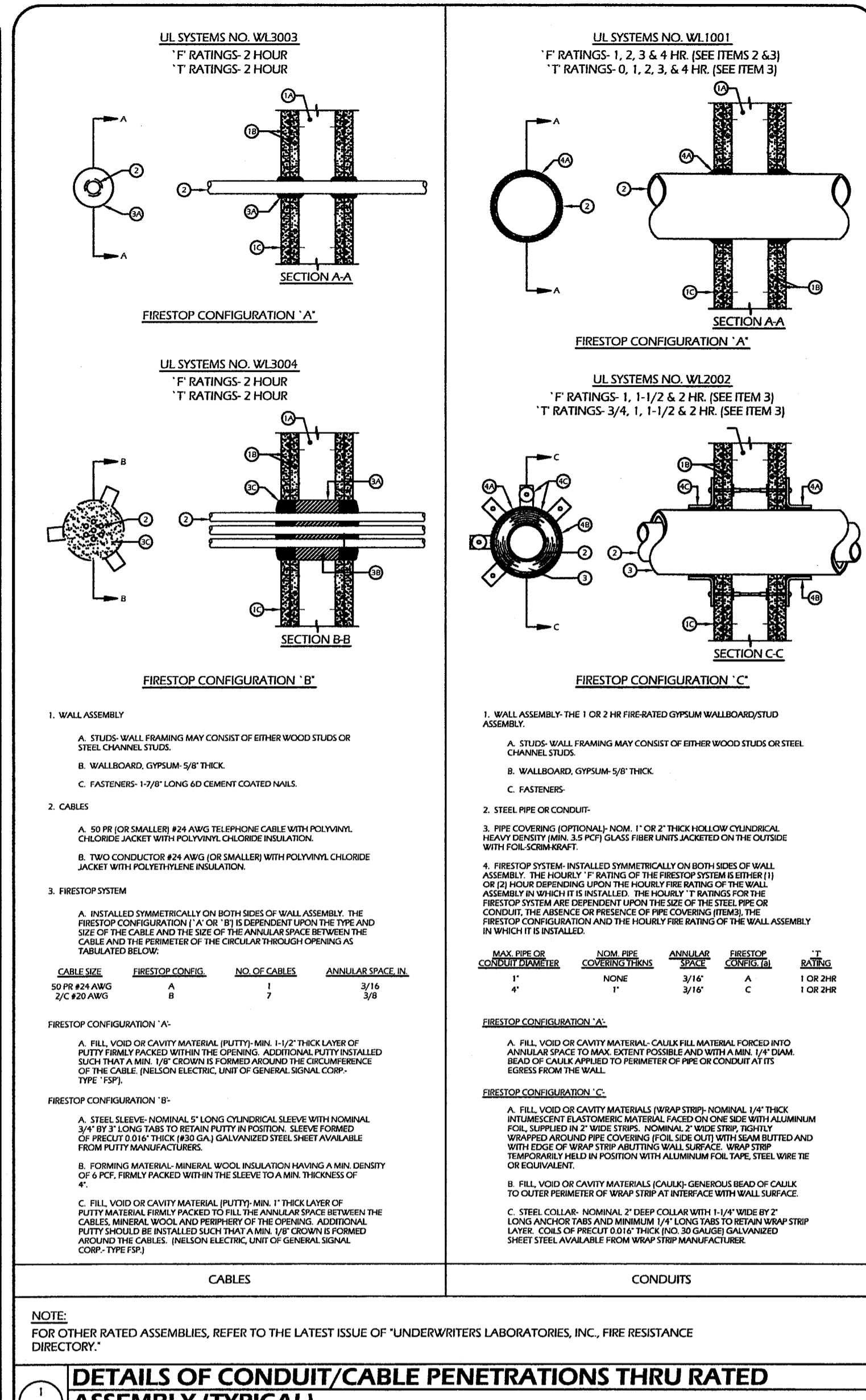
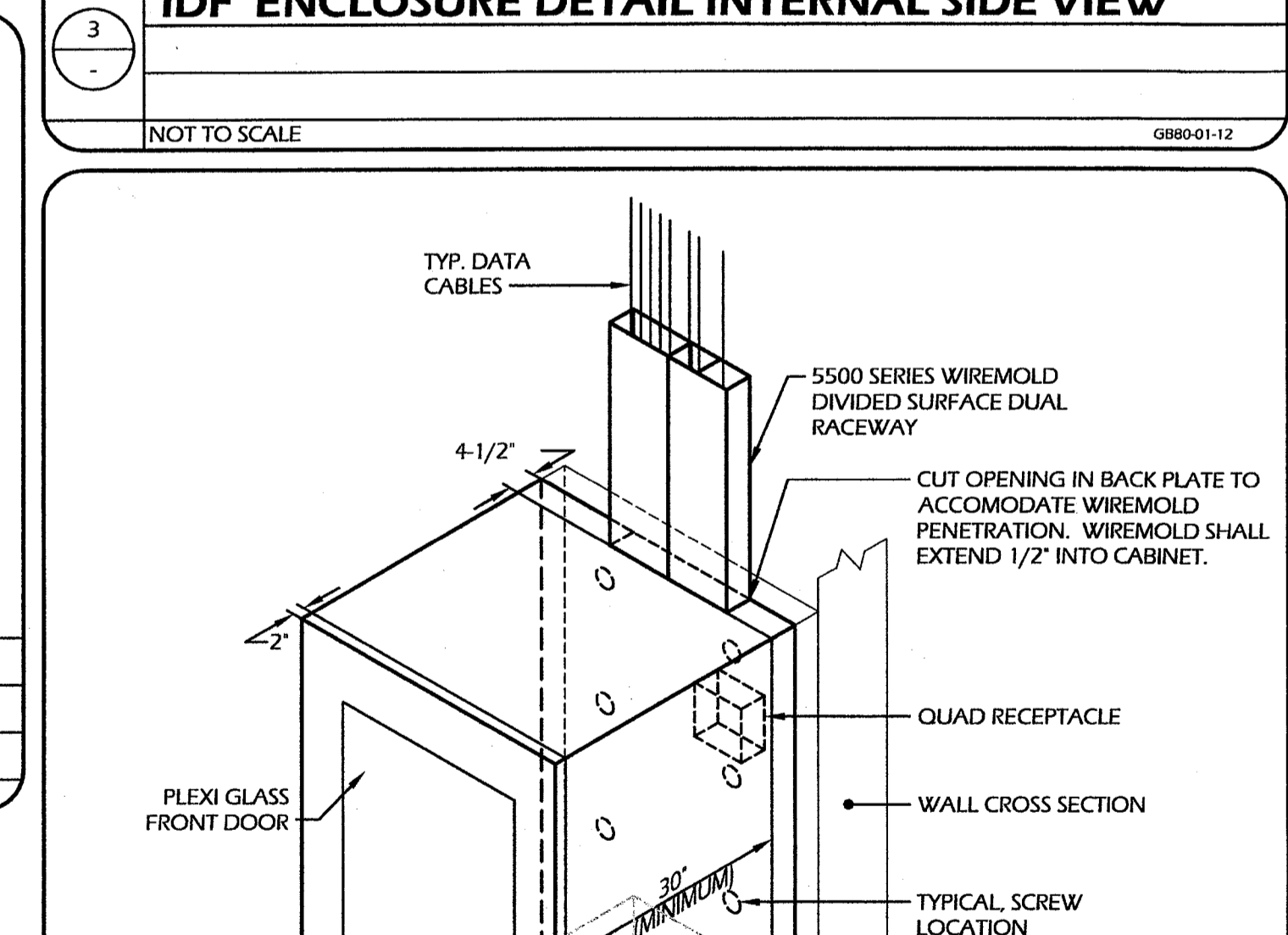
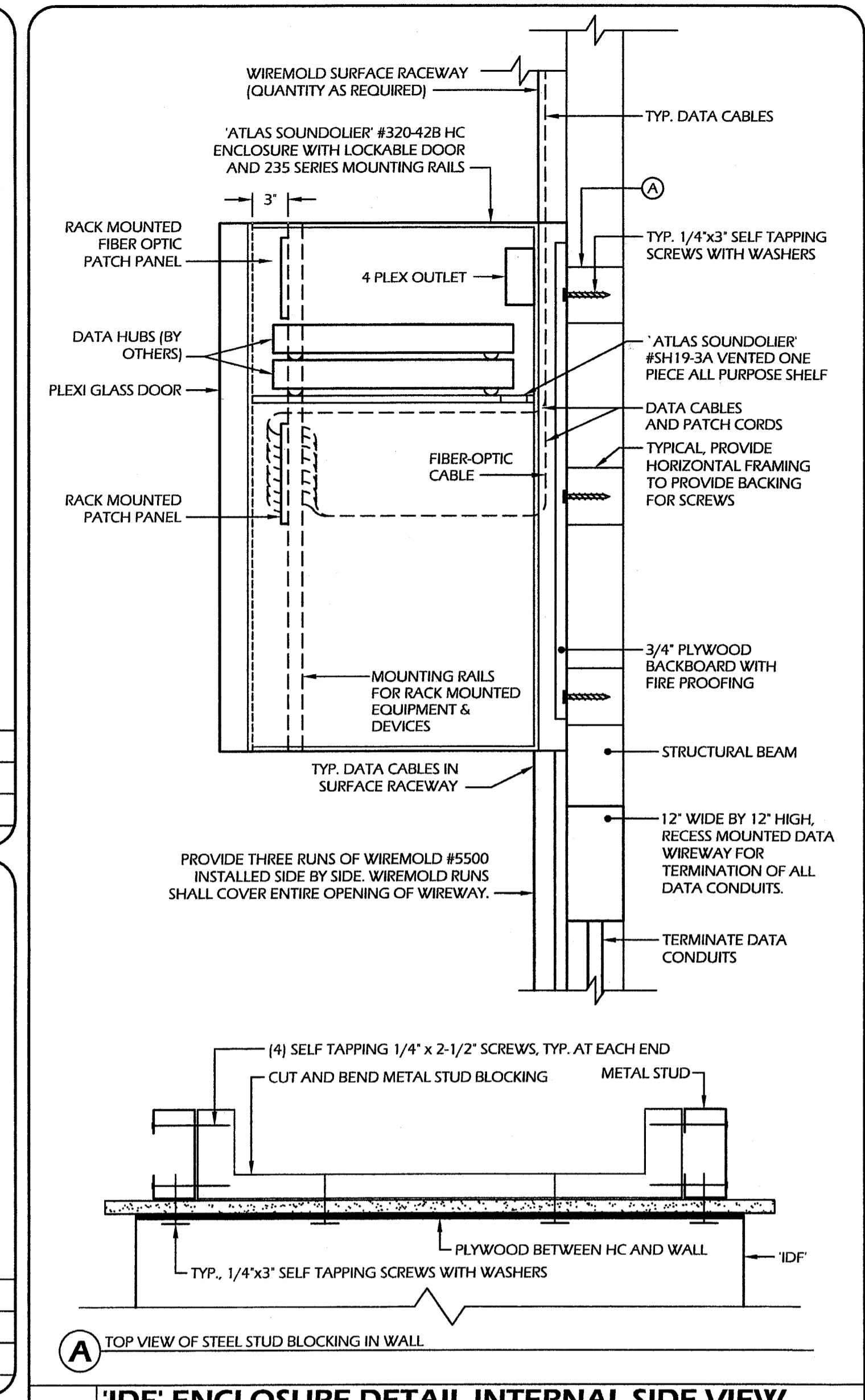
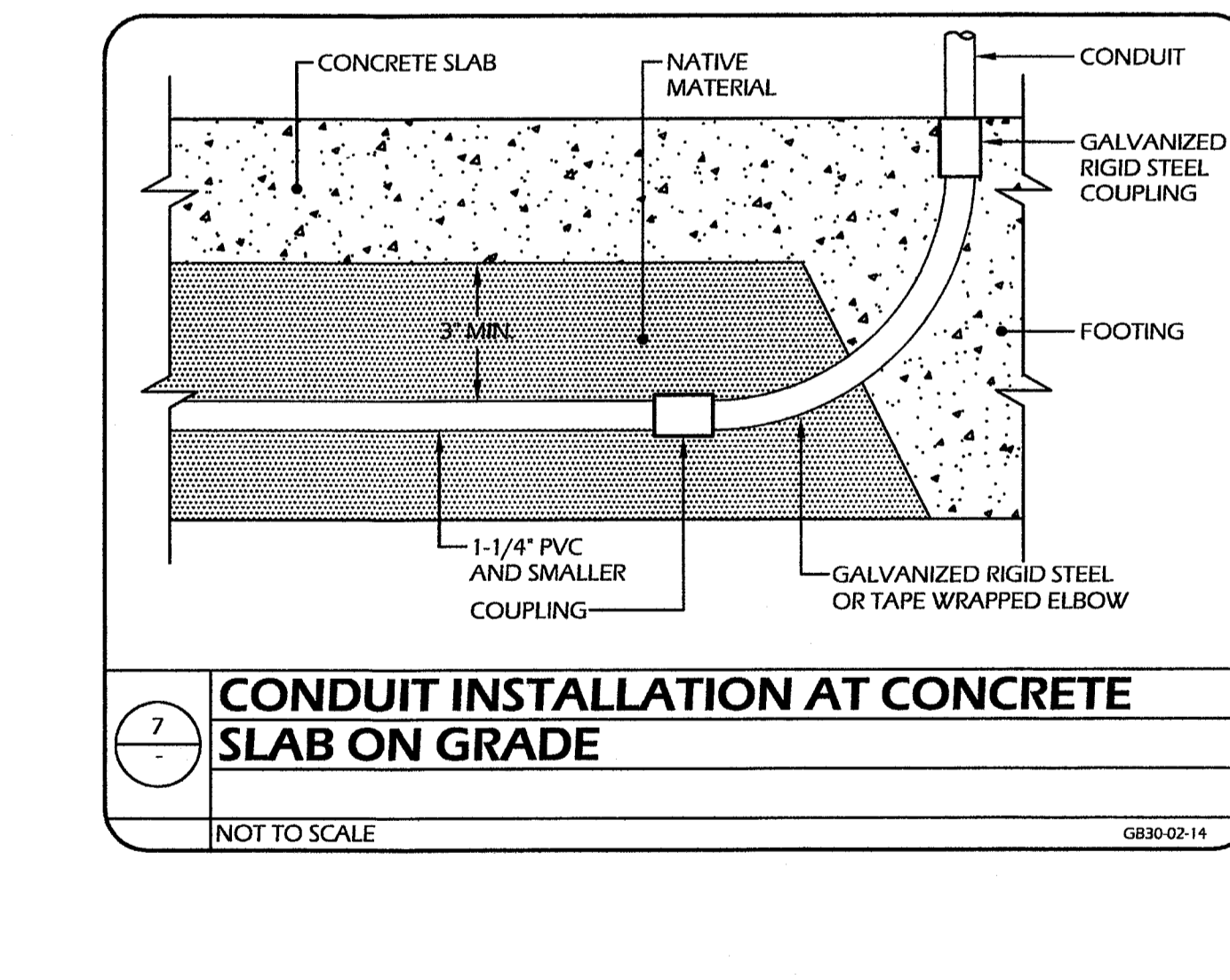
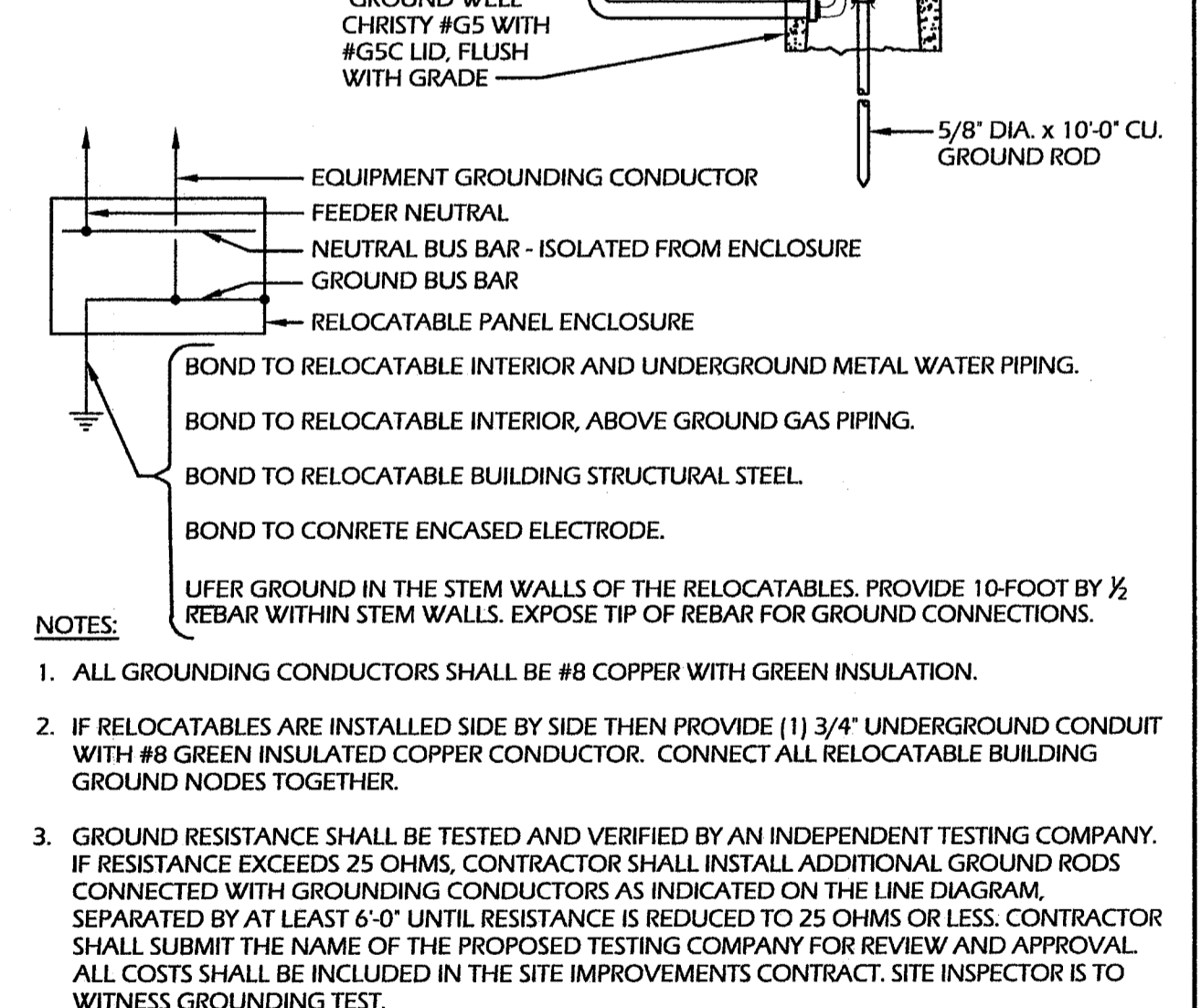
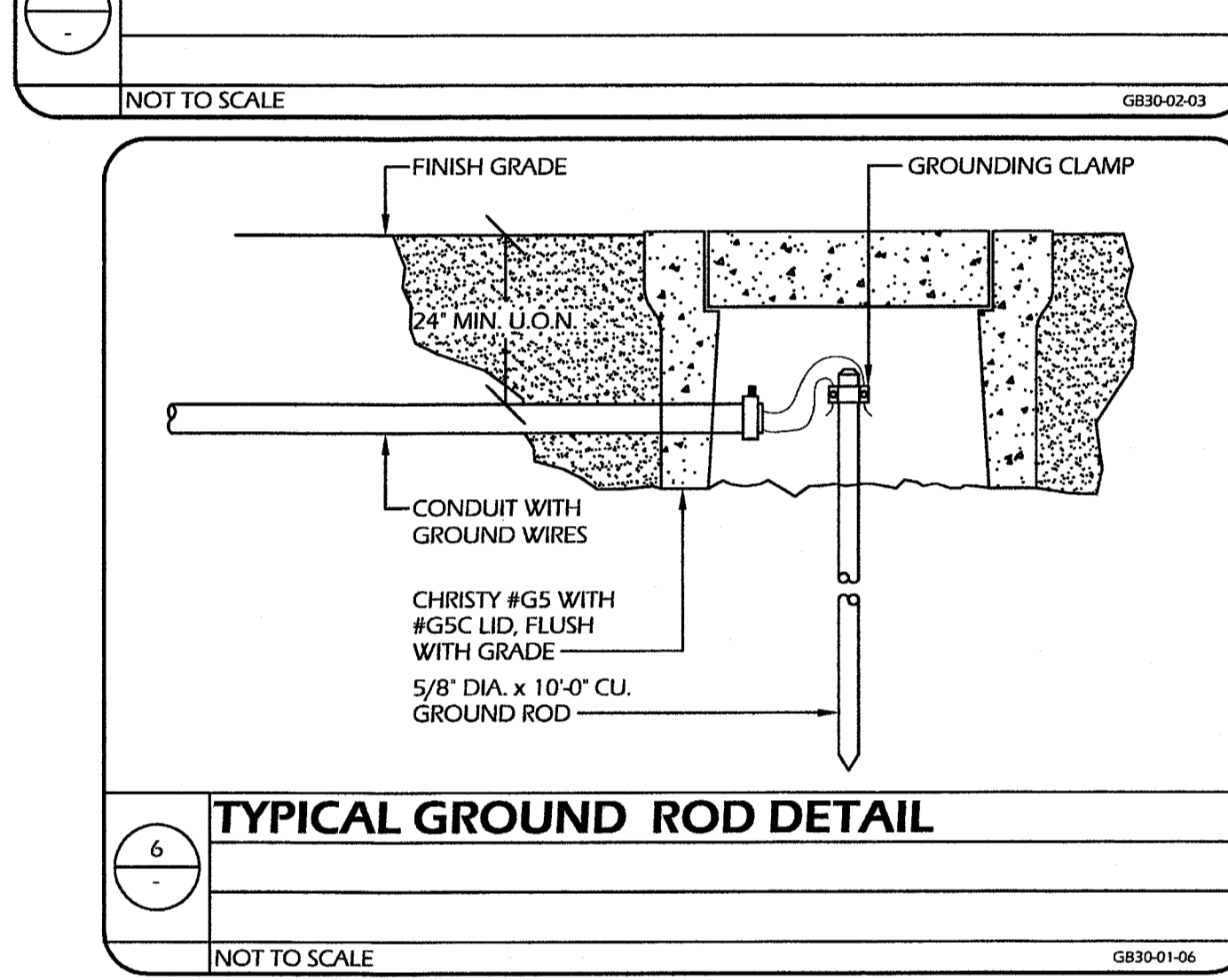
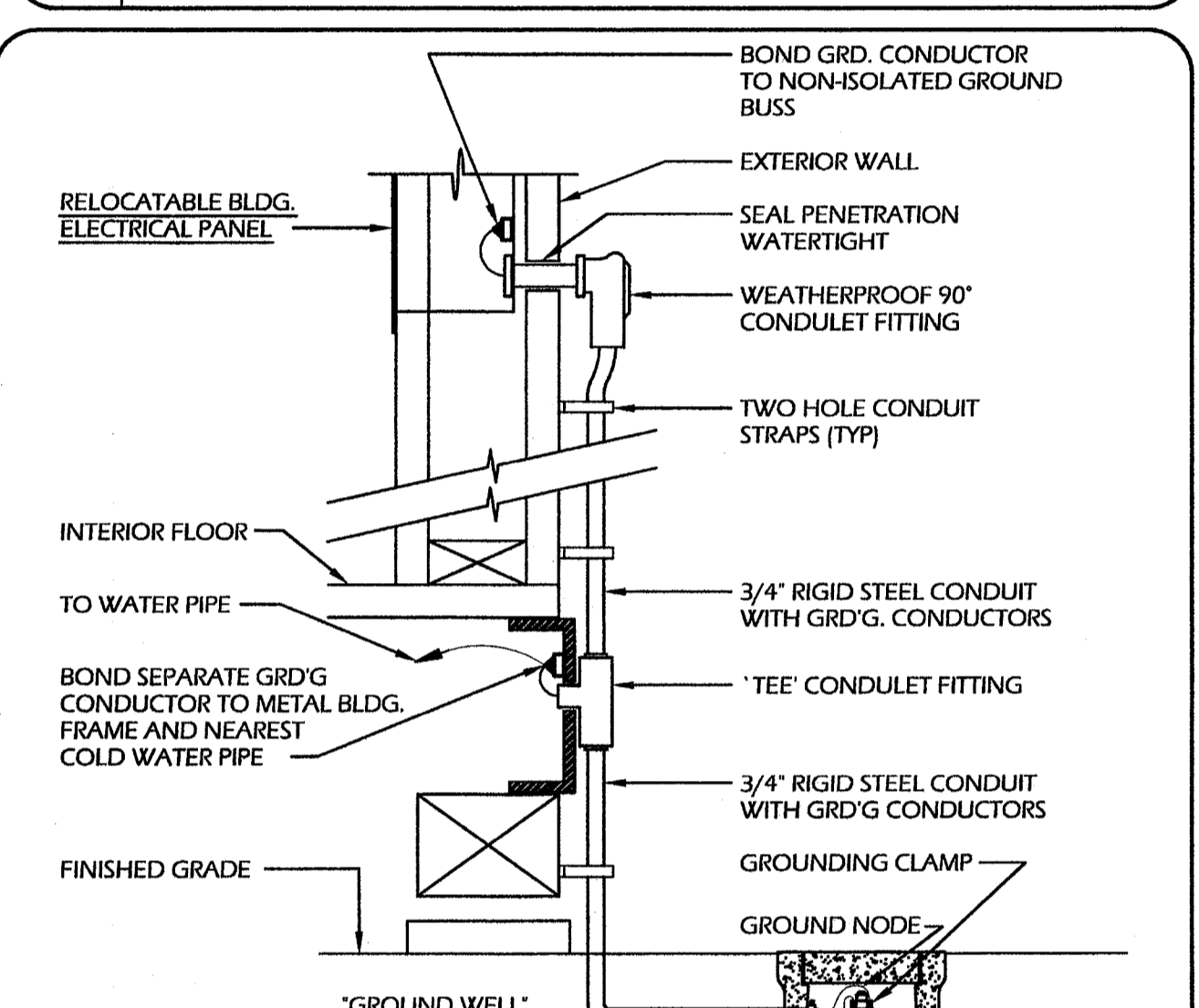
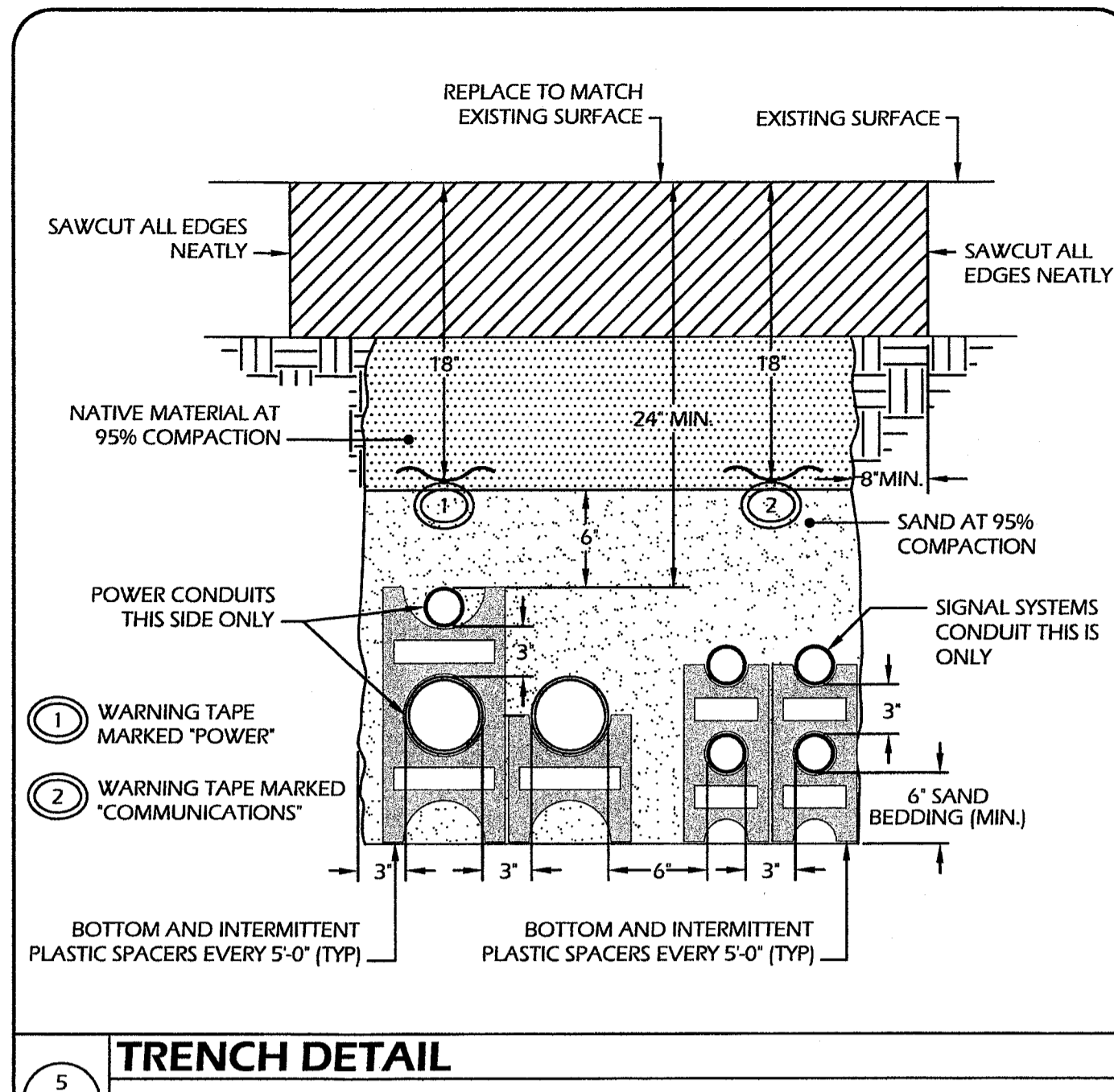
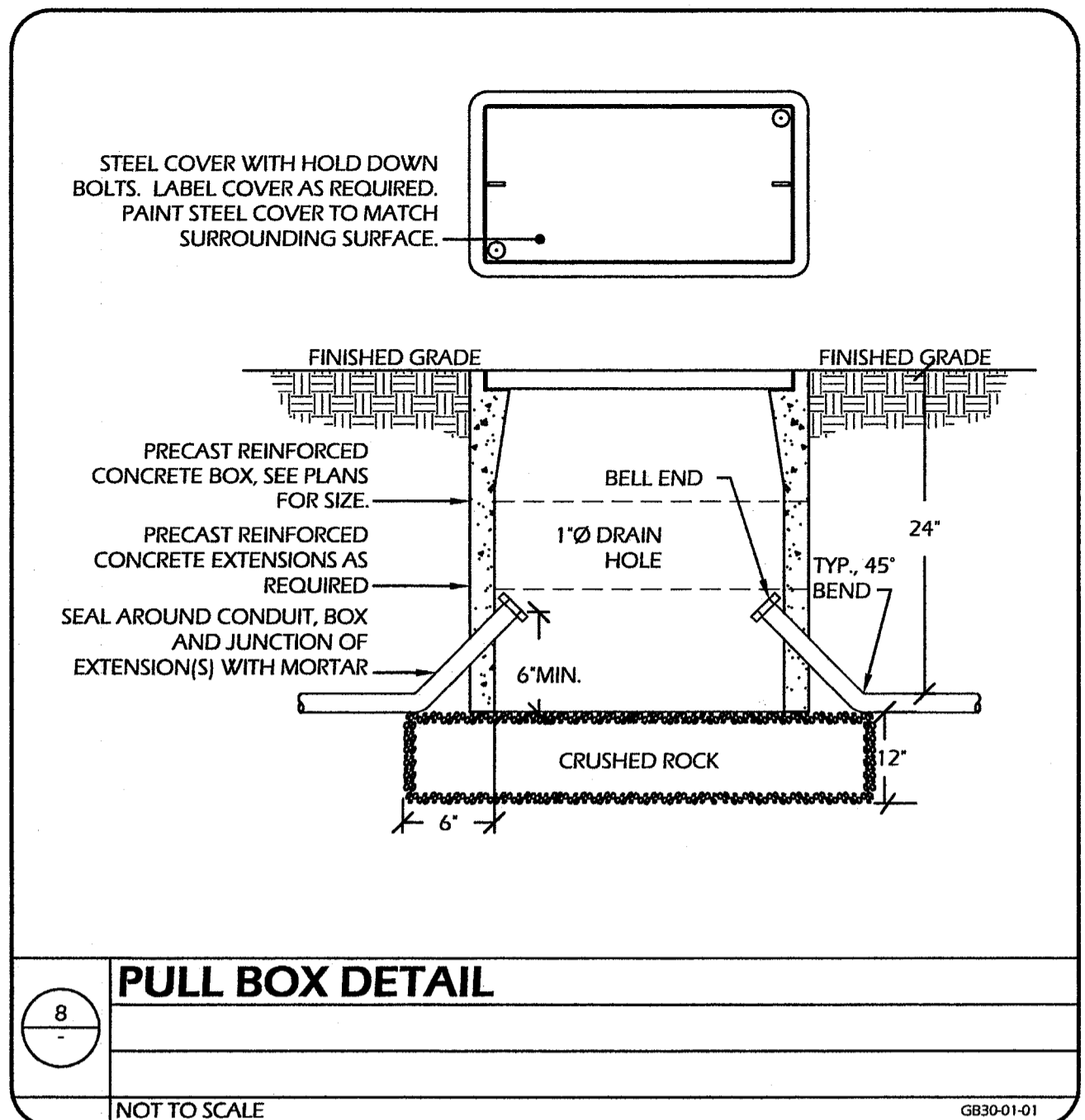
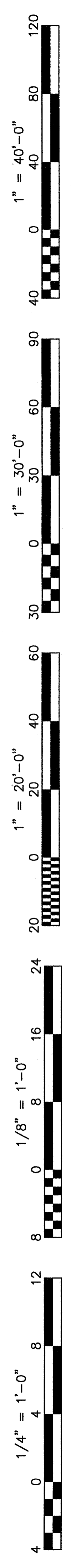
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Sheet No.: **E4.1**

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 www.integrateddesigns.com

Rev. Date: \_\_\_\_\_  
 Revision Description: \_\_\_\_\_

**TYPICAL DETAILS**

**FREMONT MAGNET ELEM. SCHOOL 14 CLASSROOM BLDG.**  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 607 TEXAS ST. BAKERSFIELD, CA 93307

Project Name & Address:  
 Issue Date: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Designer: \_\_\_\_\_  
 D.R.: \_\_\_\_\_  
 P.C.: \_\_\_\_\_

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 DATE: 8-19-09  
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American Modular Systems Inc.

30' x 32' RELOCATABLE BUILDINGS
BAKERSFIELD CITY SCHOOL DISTRICT
(FREMONT ELEMENTARY SCHOOL)

2 1/2:12 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)

Table with columns: MATERIAL TYPE, DESCRIPTION, STOCKPILE, CONSTRUCTION OF (diaphragm material-foundation material), and RELOCATION OF CERTIFIED BUILDING. Rows include COMPACTED FILL, CONCRETE, REINFORCING STEEL, STRUCTURAL STEEL, GROUNDING, SHOT PINS, EXPANSION ANCHORS, EPOXY ANCHORS, INSPECTOR CLASS, SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY, and 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 indicating the plant has automatic batching and recording capabilities from the National Ready Mixed Concrete Association... 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

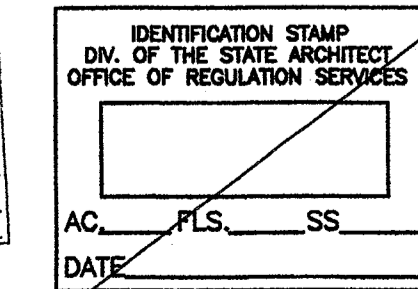
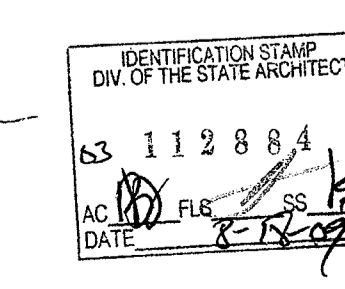
Table with columns: NO, DATE, DESCRIPTION. Contains revision entries.

DATE: 07/02/2009
SCALE: NOTED
DRAWN BY: MP
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOL DISTRICT
FREMONT ELEMENTARY SCHOOL
2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS
COVER SHEET



APPROVALS:



PROJECT No. T-S

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

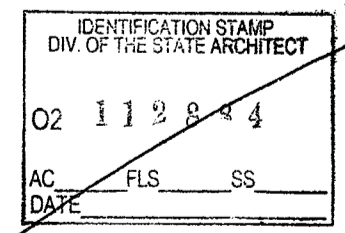
PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008
2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2007 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
2007 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R.
2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
2007 CALIFORNIA 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
NFPA 253 Critical Radiant Flux of Floor Covering Systems 2006 Edition
NFPA 2001 Clean Agent Fire Extinguishing Systems 2004 Edition
NFPA 2001 AS Elevator Standard 2004 Edition
Reference code sections for applicable Standards - 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

GENERAL NOTES

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

DRAWING INDEX

- T-S COVER SHEET
A1 TYPICAL FLOOR PLAN
A3 INTERIOR ELEVATIONS
A3A INTERIOR ELEVATIONS
A5 TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO OPTION)
ASA ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)
AD ACCESSIBLE DETAILS
N1 GENERAL NOTES
N2 GENERAL NOTES
M1 TYPICAL REFLECTED CEILING PLAN
M2 MECHANICAL BUILDING SECTIONS & CEILING DETAILS
M3 CEILING & MECHANICAL NOTES
E1 TYPICAL ELECTRICAL PLAN
E2 ELECTRICAL NOTES & DETAILS
S1 CONCRETE FOUNDATION PLANS 50 P.S.F LIVE LOAD & 50 P.S.F LIVE LOAD+15 P.S.F PART. LOAD FLOOR
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 DETAILS
S3A ROOF FRAMING PLAN & DETAILS (PLYWOOD SHEATHING)
S4 TYPICAL FRAME ELEVATIONS
S5 WALL FRAMING ELEVATIONS
S5A WALL FRAMING DETAILS
S7 TYPICAL LONGITUDINAL AND TRANSVERSE FRAME ELEVATION



BASED ON PC# 02-109701

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**- SHEET NOTES -**

- 1 (2) 8'x4' MARKER BOARDS
- 2 EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
- 3 CLASSROOM ID & ISA SIGN 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 BY DISTRICT
- 10 FLOOR LIVE LOAD SIGN PER 1603A.3 2007 CBC REFER TO SHEET S6R FOR DETAILS
- 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 S5A 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 CBC SECTION 1004.3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

**- BUILDING SIZE SCHEDULE -**

BUILDING	32'-0" MODULES	OVERALL SIZE
30' x 32'	3	30'-1/2"
40' x 32'	4	40'-3/4"
50' x 32'	5	50'-1"
60' x 32'	6	60'-1 1/4"
70' x 32'	7	70'-1 1/2"
80' x 32'	8	80'-1 3/4"
90' x 32'	9	90'-2"
100' x 32'	10	100'-2 1/4"
110' x 32'	11	110'-2 1/2"
120' x 32'	12	120'-2 3/4"

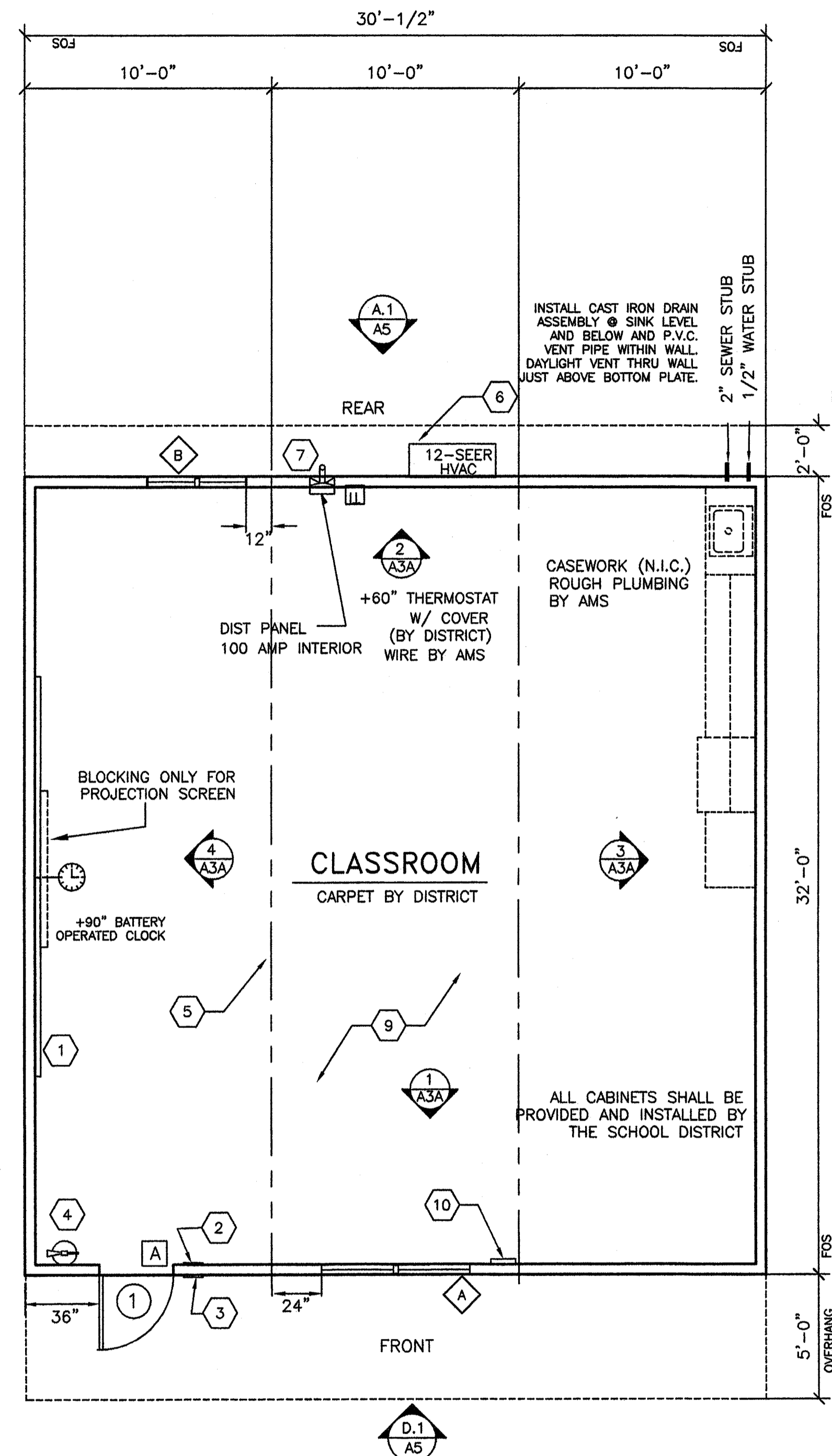
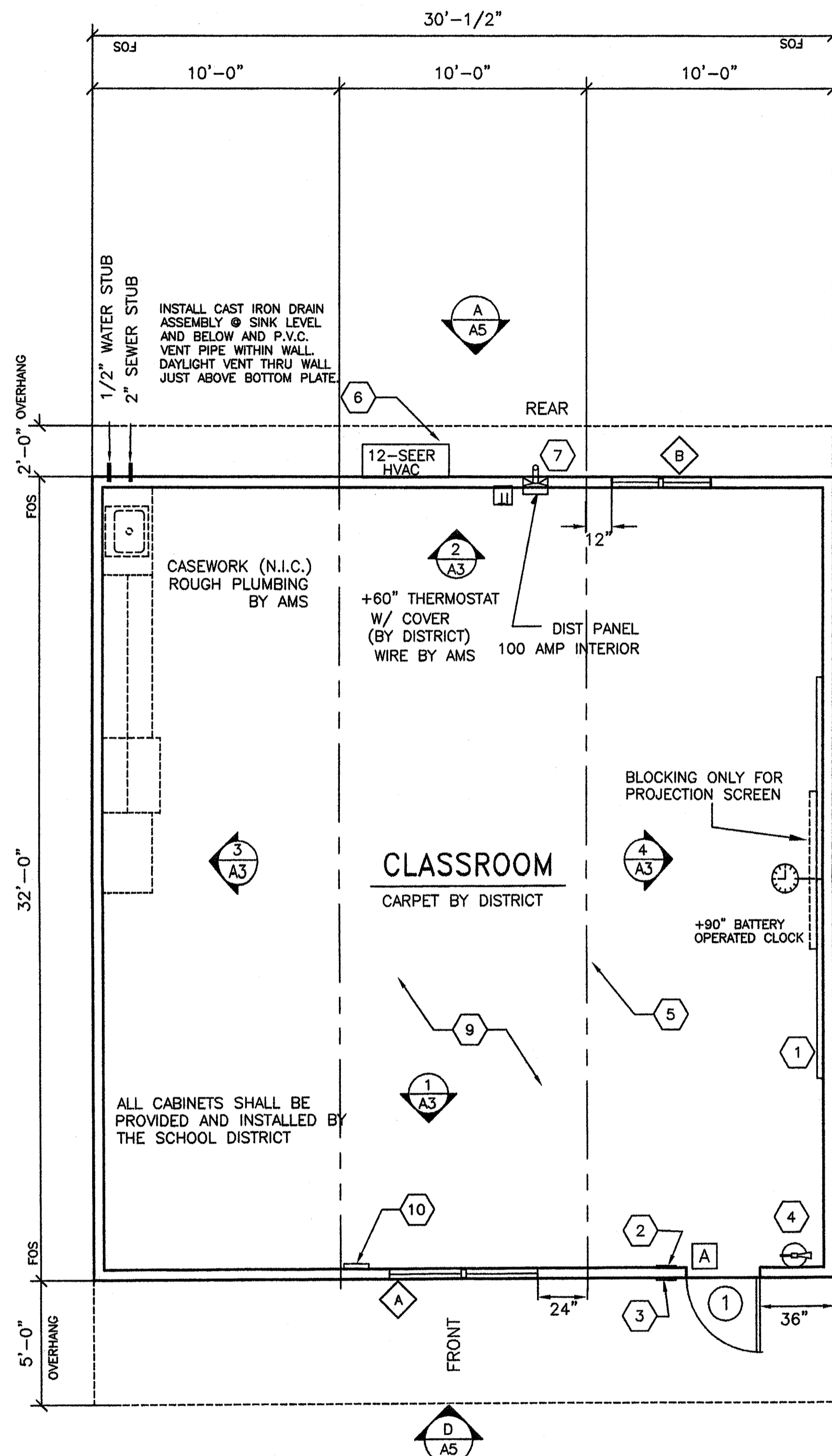
**SYMBOL SCHEDULE**

- # 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
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.



BASED PC 02-109701

**REVISIONS**

NO	DATE	DESCRIPTION

DATE: 07/01/09  
 SCALE: NOTED  
 DRAWN BY: MP  
 SERIAL NO.:

CUSTOMER:  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 FREMONT ELEMENTARY SCHOOL

2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS  
 TYPICAL FLOOR PLAN

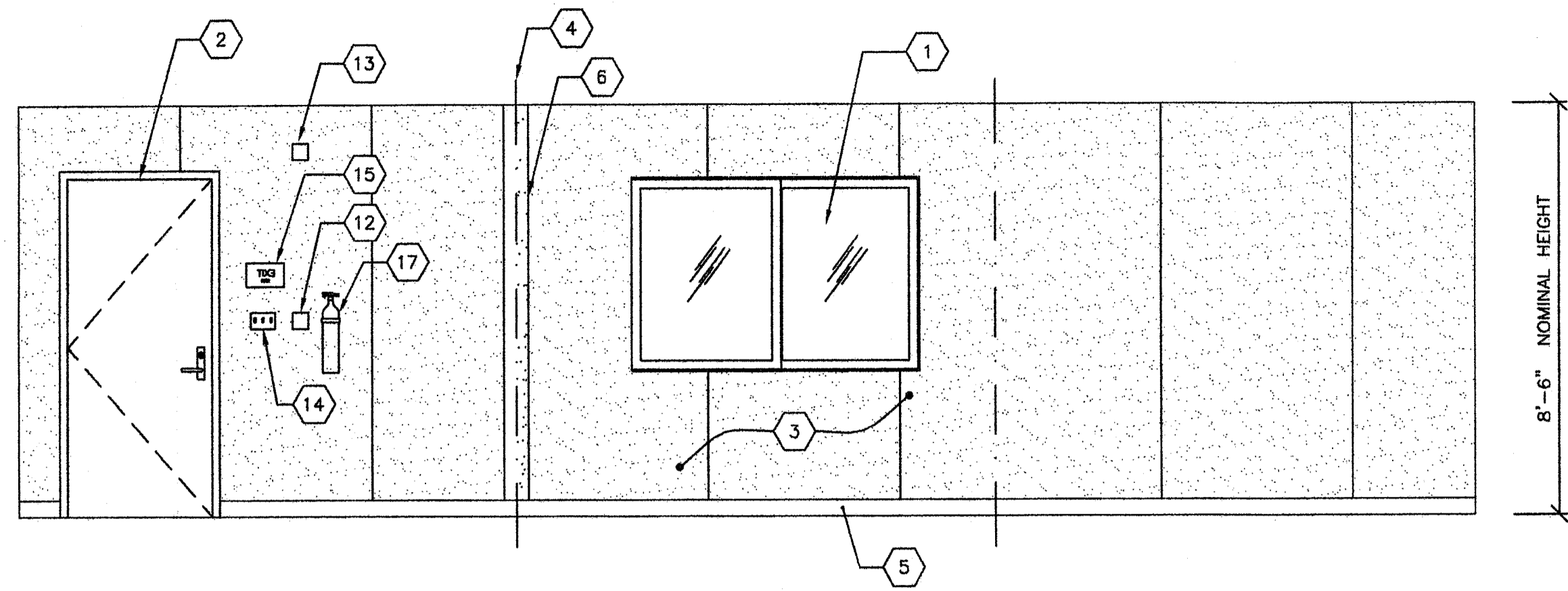
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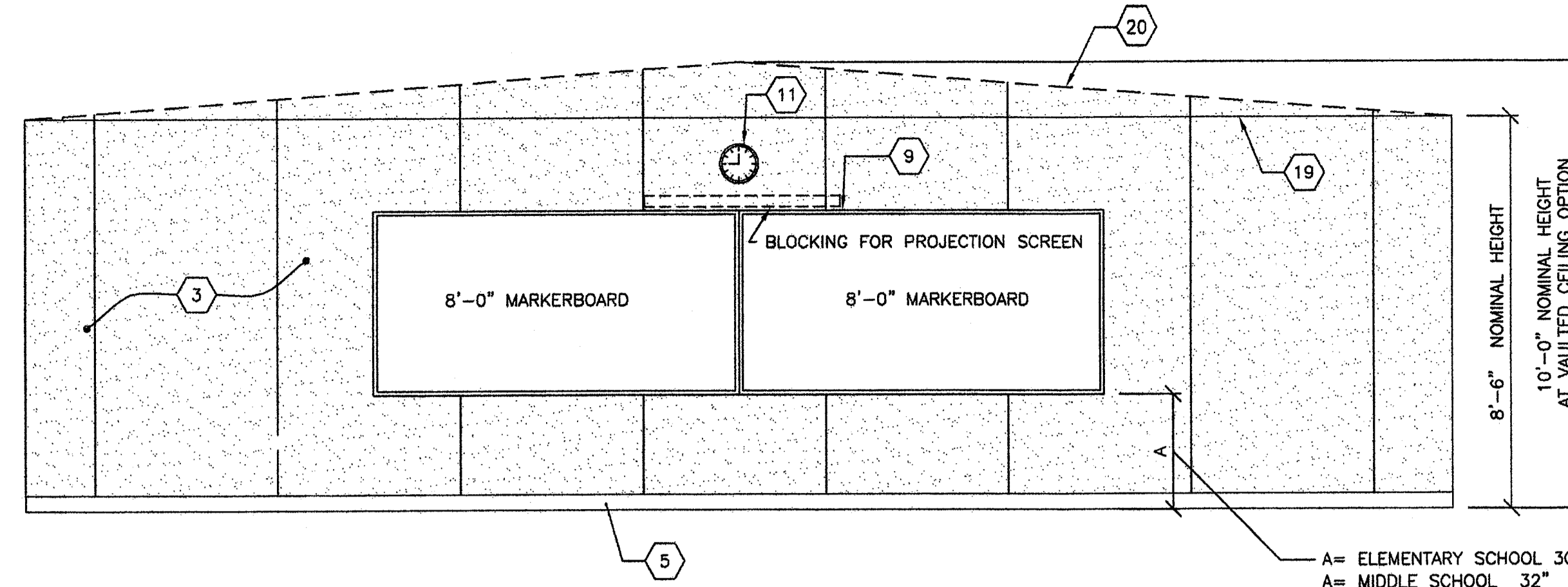
05 112884  
 AC FLS SS  
 DATE 5-13-09

PROJECT No.  
**A1**

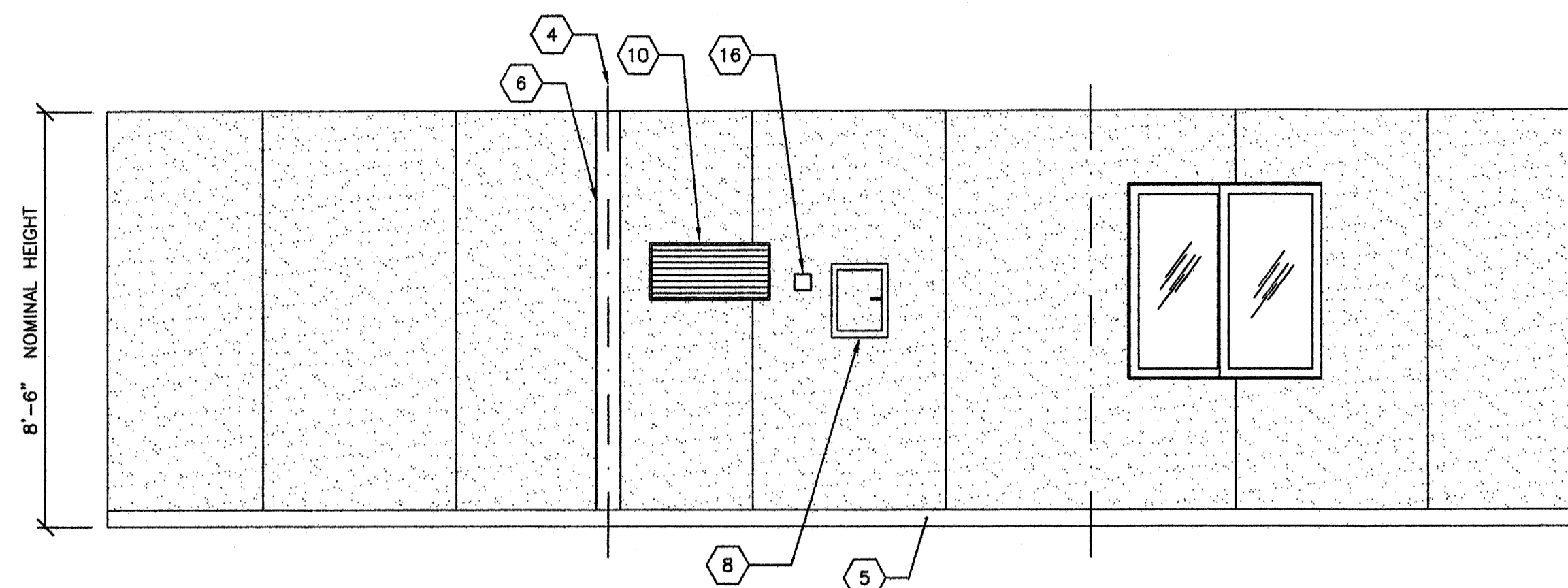
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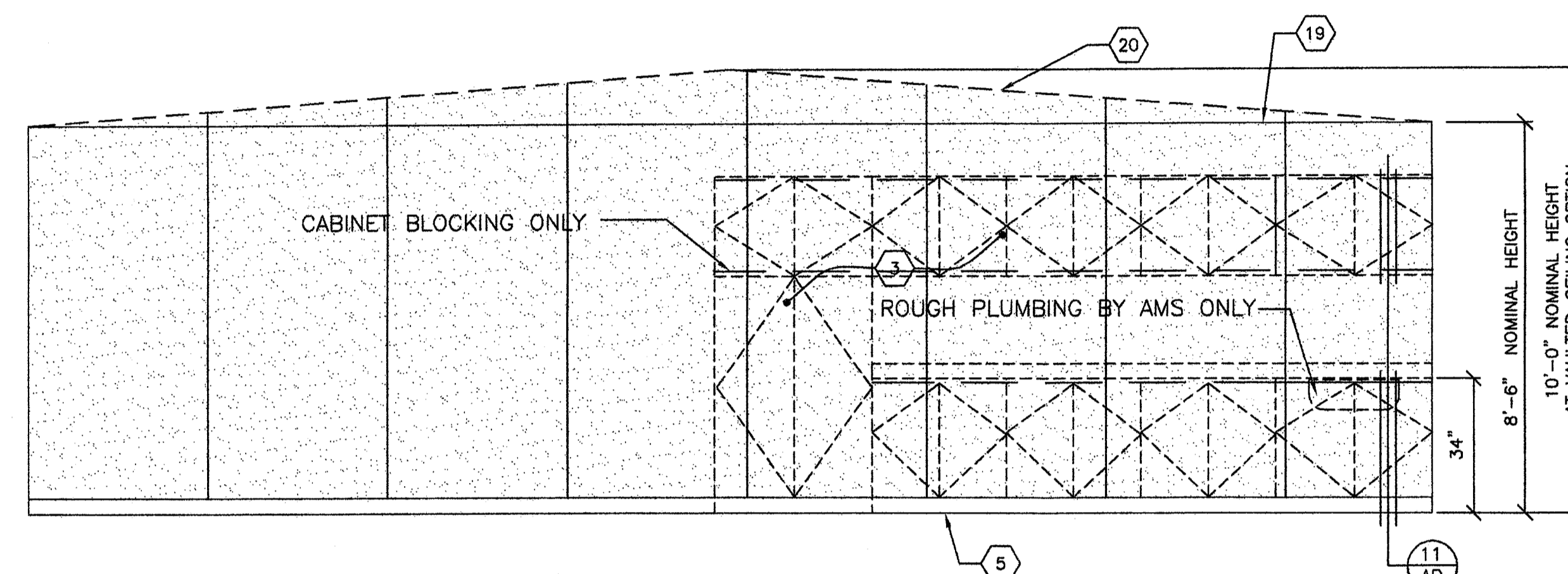
1 TYPICAL CLASSROOM FRONT END WALL ELEVATION  
A3 3/8"=1'-0"



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



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



3 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 (LOCATION MAY VARY)
  - 9 (2) 4'x8' MARKER BOARDS
  - 10 HVAC GRILL (LOCATION MAY VARY)
  - 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 (LOCATION MAY VARY)
  - 17 FIRE EXTINGUISHER TOP OF BRACKET @ 4'48" AFF PROTRUSION MAX 4" FROM WALL IF HIGHER THAN 27" A.F.F
  - 18 TYP DUPLEX OUTLET (SEE ELECTRICAL SHEETS)
  - 19 FLAT CEILING @ 8'-6" NOM.
  - 20 OPTIONAL VAULTED CEILING

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

DOOR SCHEDULE									
DOOR NO.	FRAME OPENING SIZE	MATERIAL	FIRE RATING	HARDWARE SET NO.	QUANTITY	FRAMES			REMARKS
						MATERIAL	HEAD DETAIL	JAMB DETAIL	
1	3'-0" x 7'-0"	HM	A	A	2	STL	9/A4A	4/A4A	*PANIC HARDWARE
2	3'-0" x 7'-0"	HM	A	1	1	STL	9/A4A	4/A4A	
3	2'-0" x 7'-0"	HM	A	-	-	STL	9/A4A	4/A4A	

WINDOW SCHEDULE								
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE	U-FACTOR	SHGC
1	1	SLIDER	6'-0"	4'-0"	BRONZE	SOLAR GRAY	0.780	0.430
2	1	SLIDER	4'-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.

REVISIONS		
NO	DATE	DESCRIPTION

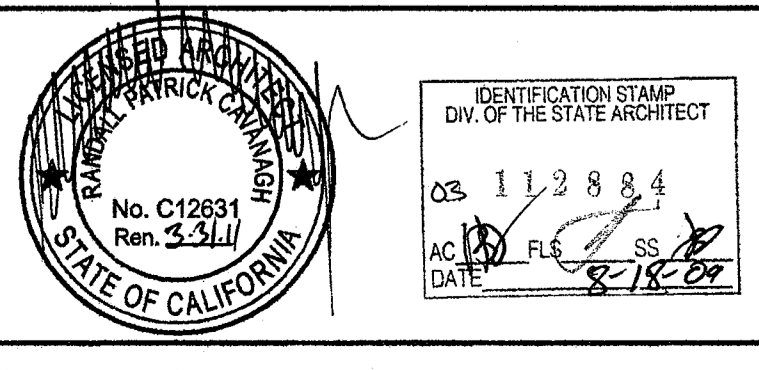
DATE: 07/02/09  
SCALE: NOTED  
DRAWN BY: DM  
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOL DISTRICT  
FREMONT ELEMENTARY SCHOOL

2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS  
TYPICAL INTERIOR ELEVATIONS



APPROVALS:

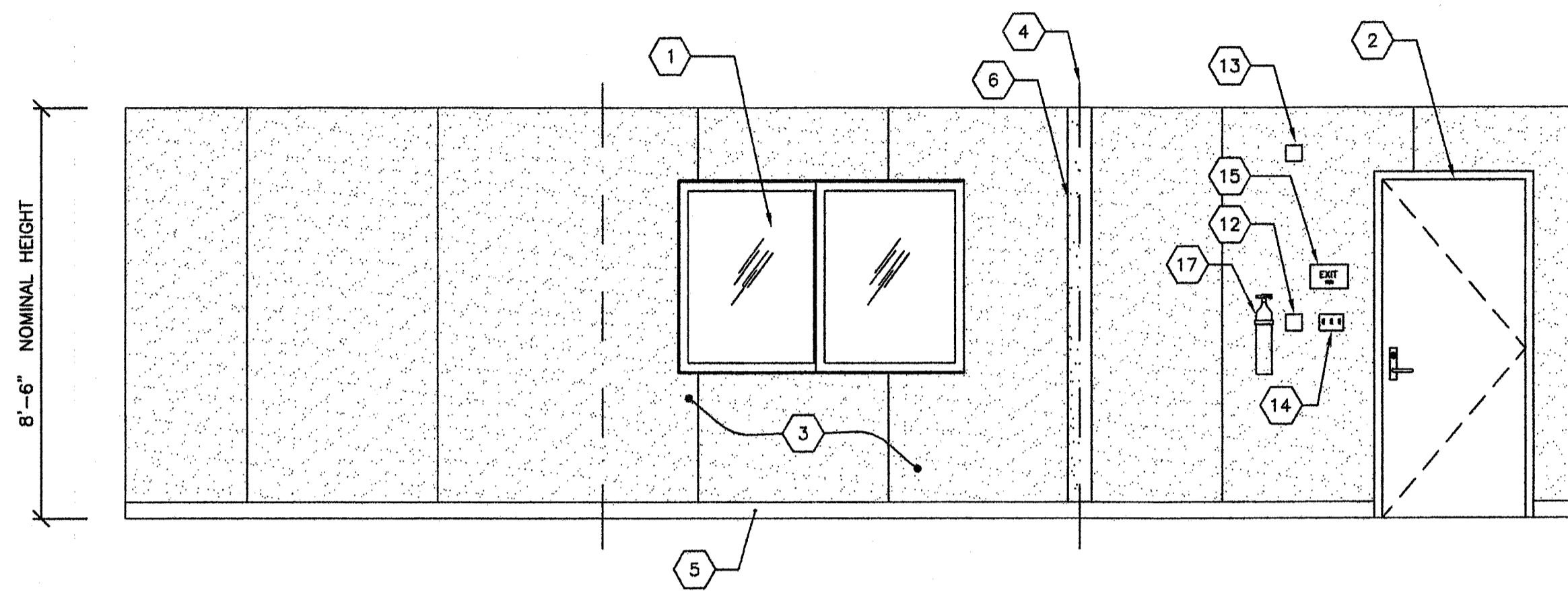


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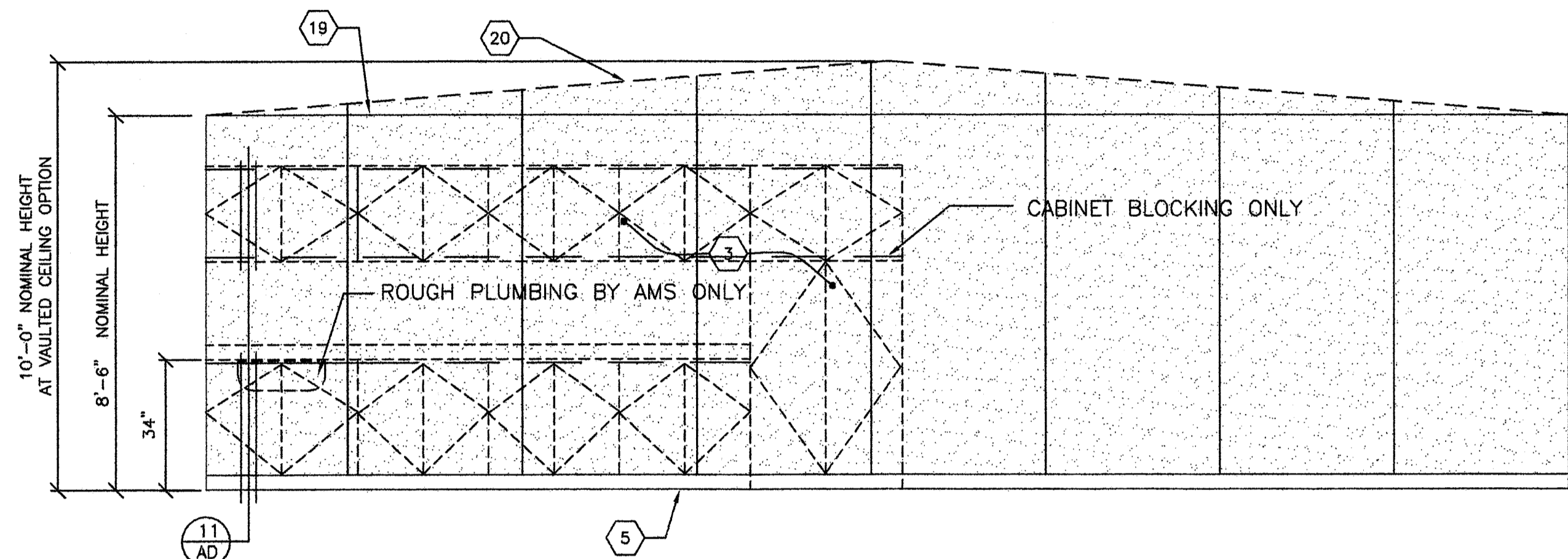
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PROJECT No. \_\_\_\_\_  
A3

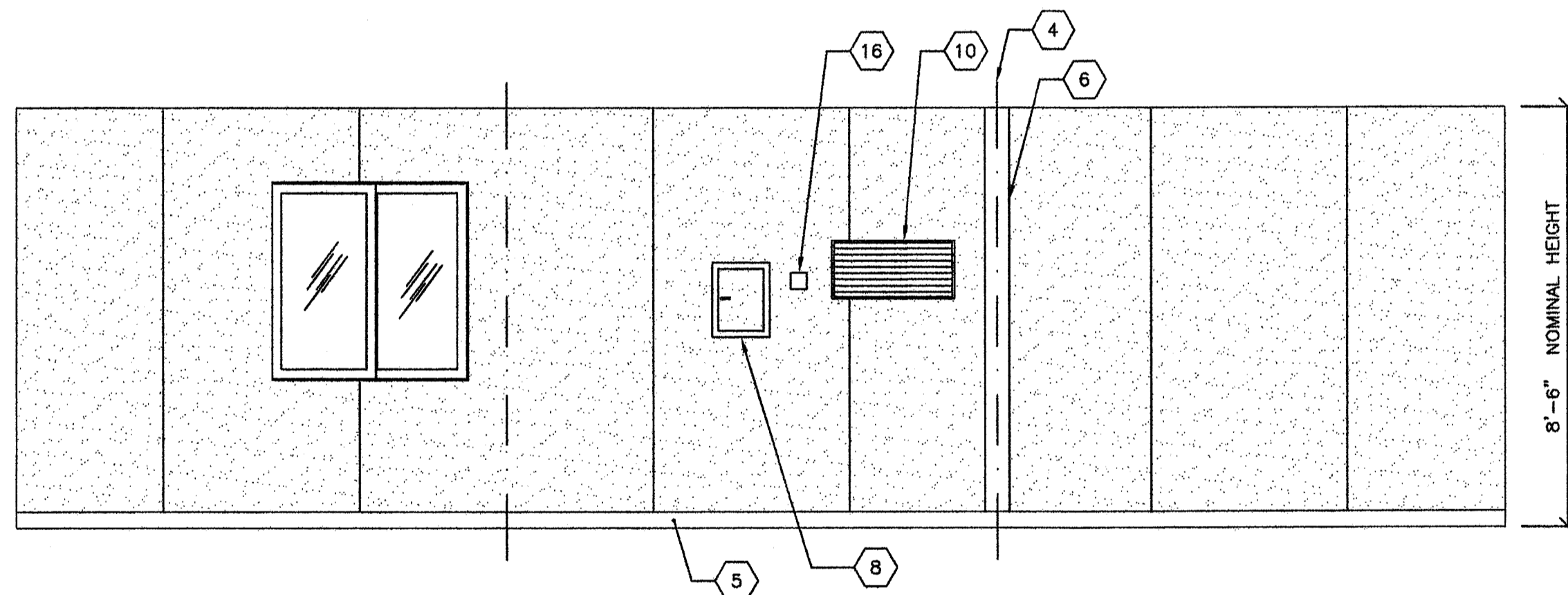
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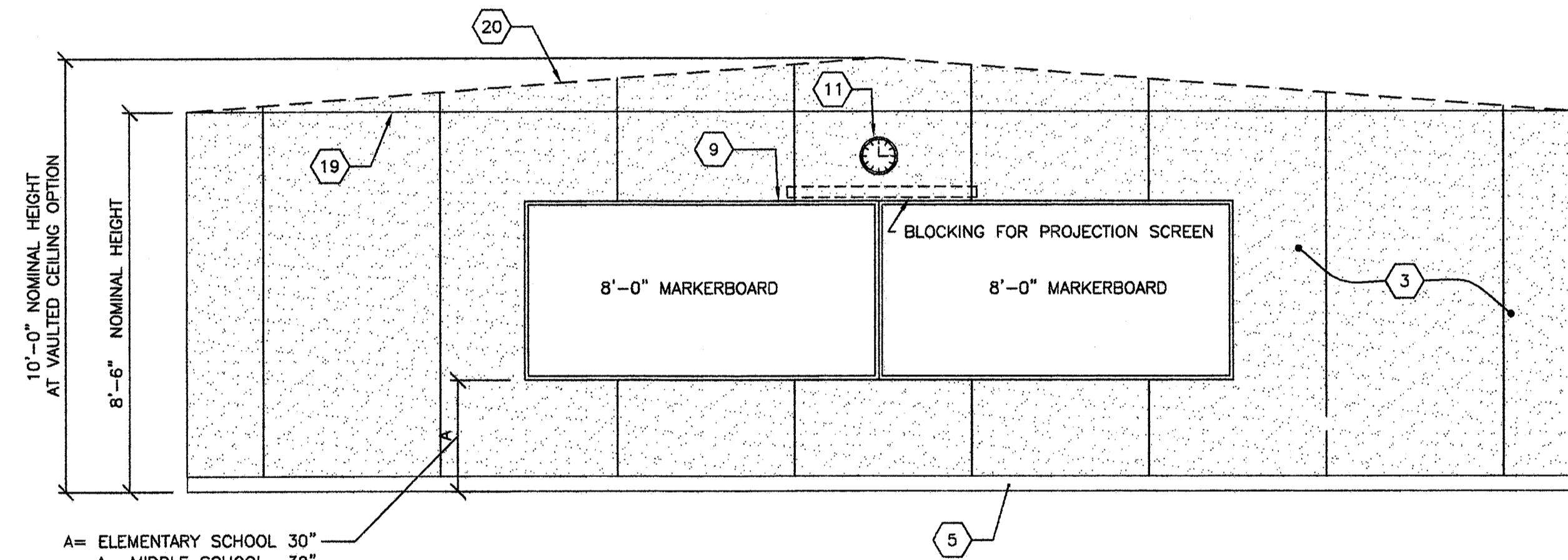
1.1 TYPICAL CLASSROOM FRONT END WALL ELEVATION  
A3A 3/8"=1'-0"



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



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



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

A= ELEMENTARY SCHOOL 30"  
A= MIDDLE SCHOOL 32"  
A= HIGH SCHOOL 36"

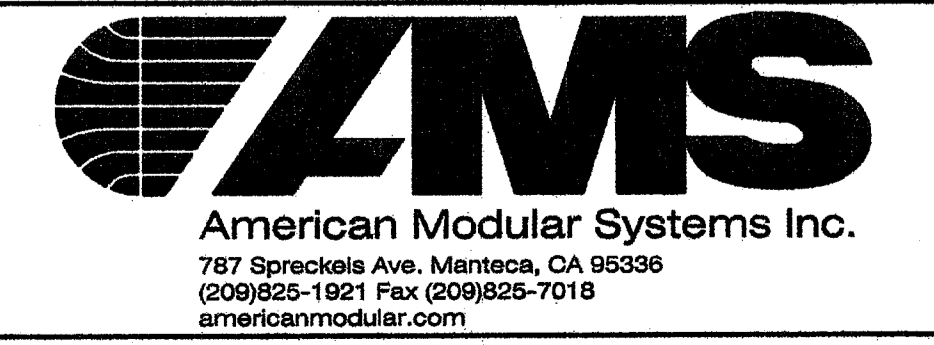
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NO	DATE	DESCRIPTION

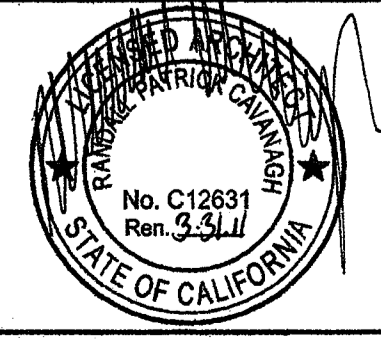
DATE: 07/02/09  
SCALE: NOTED  
DRAWN BY: MP  
SERIAL NO.:

CUSTOMER:  
BAKERSFIELD CITY SCHOOL DISTRICT  
FREMONT ELEMENTARY SCHOOL

2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS  
TYPICAL INTERIOR ELEVATIONS



APPROVALS:

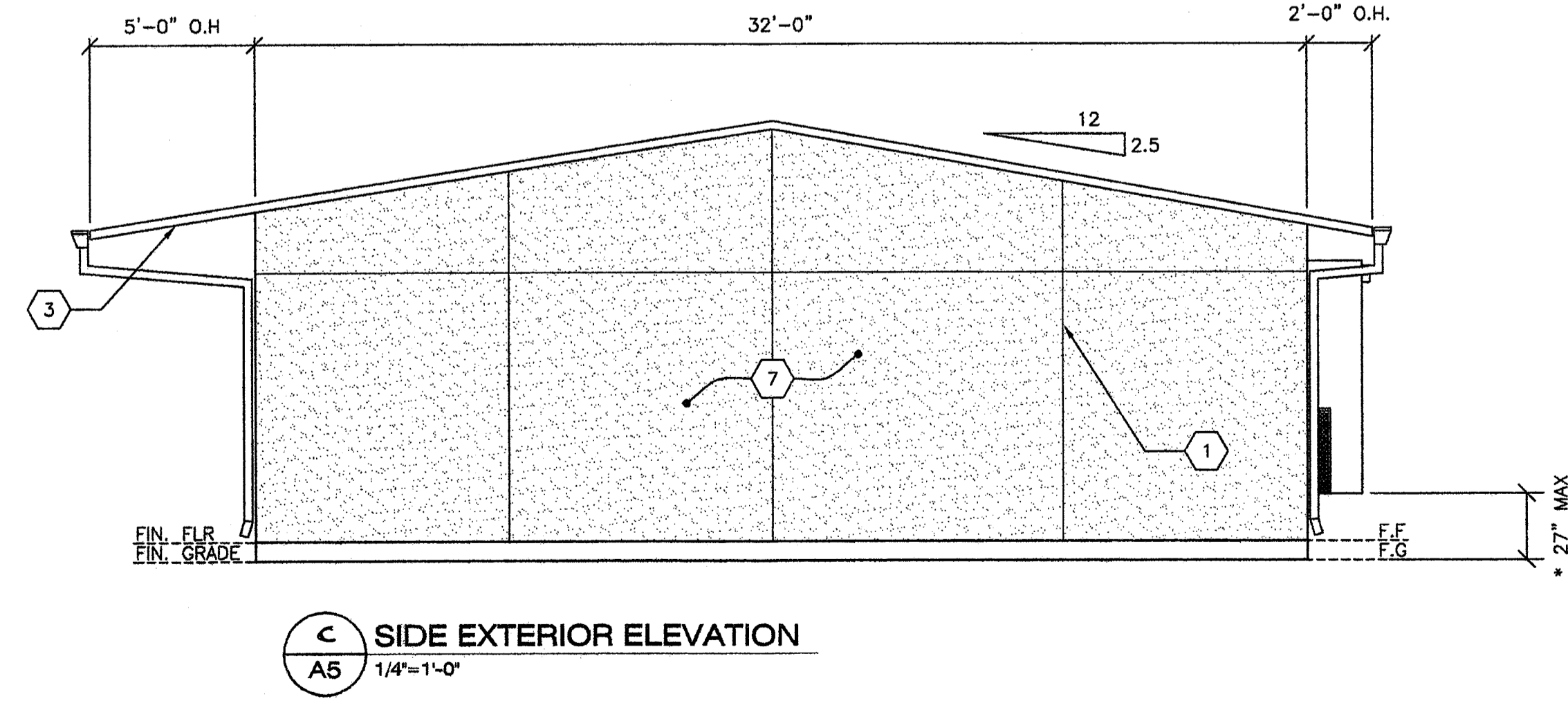
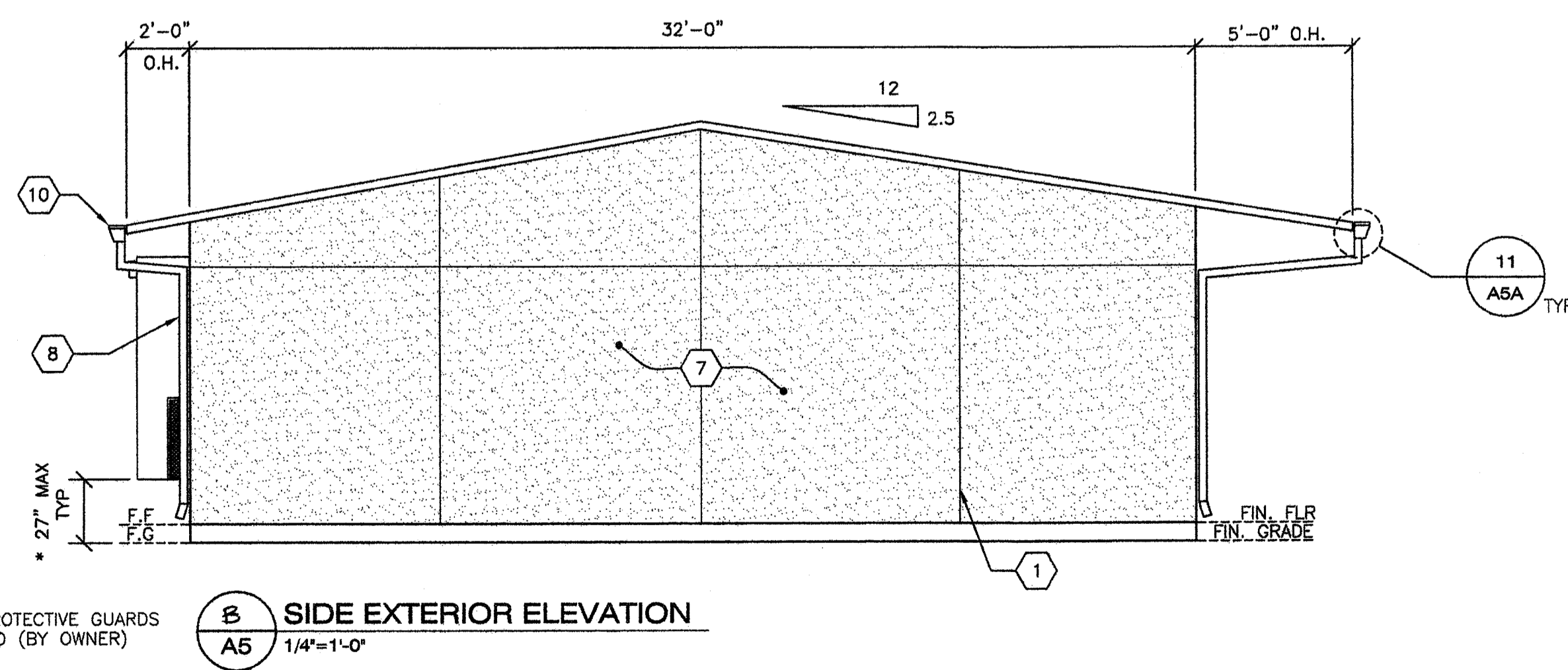
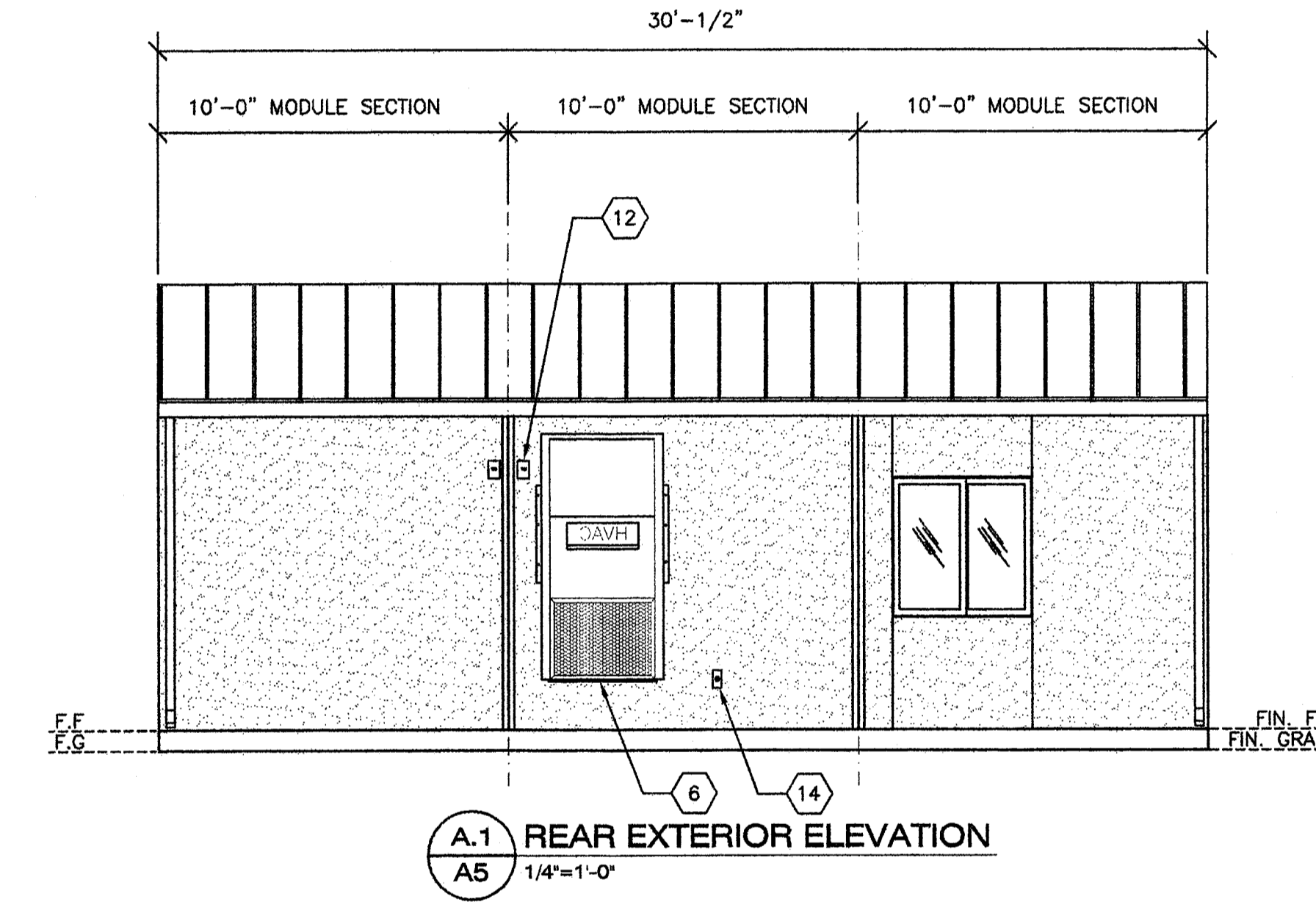
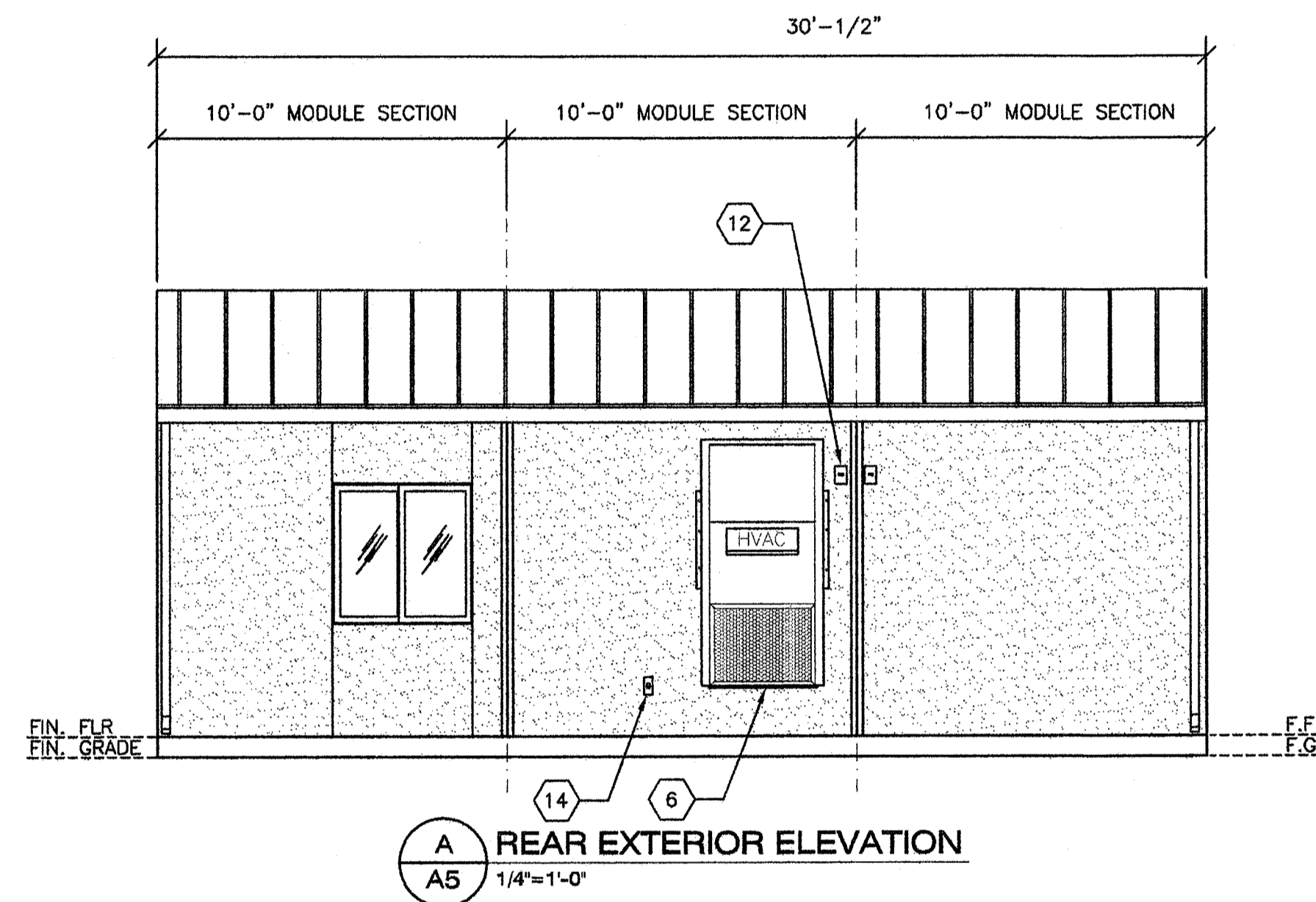
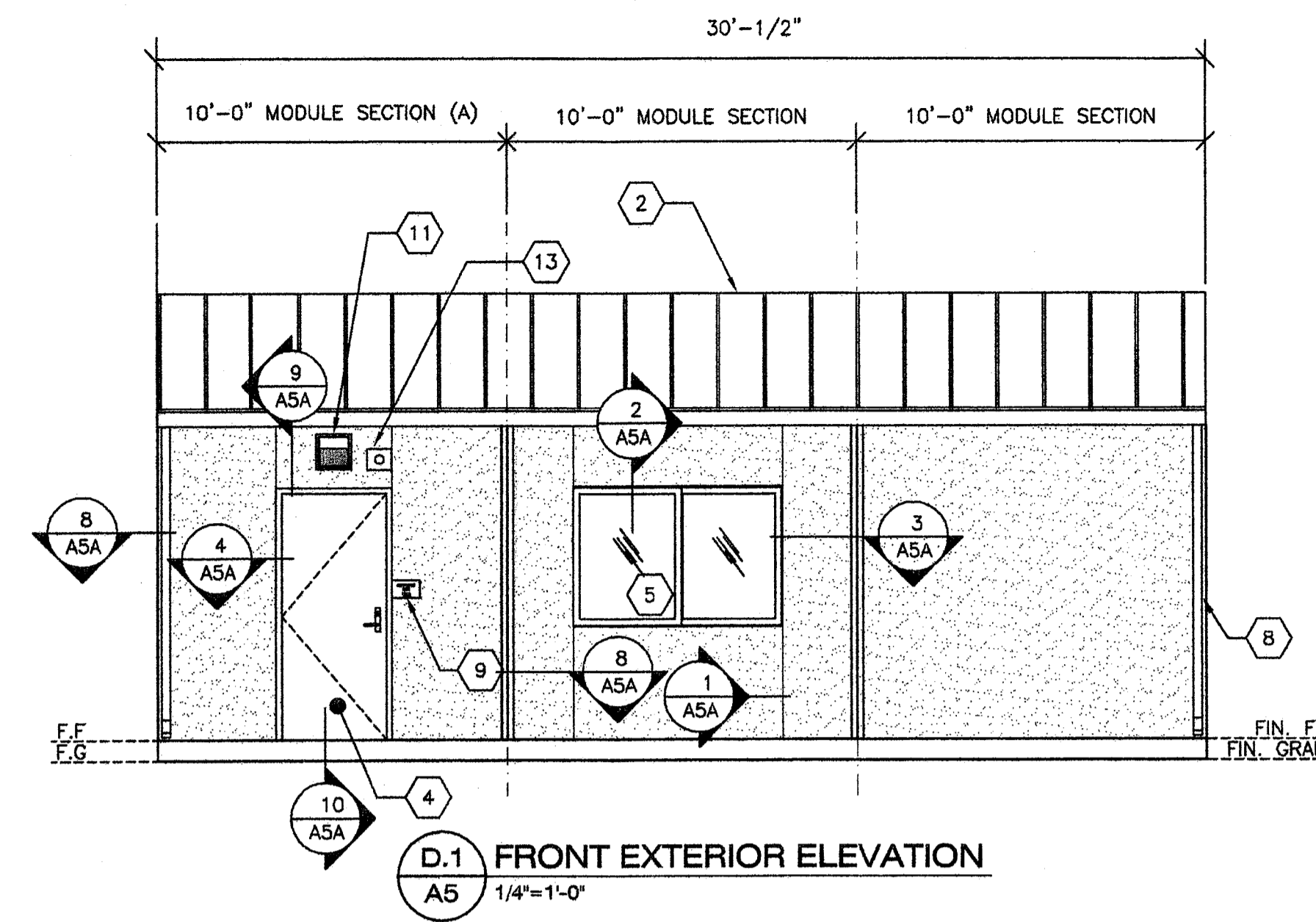
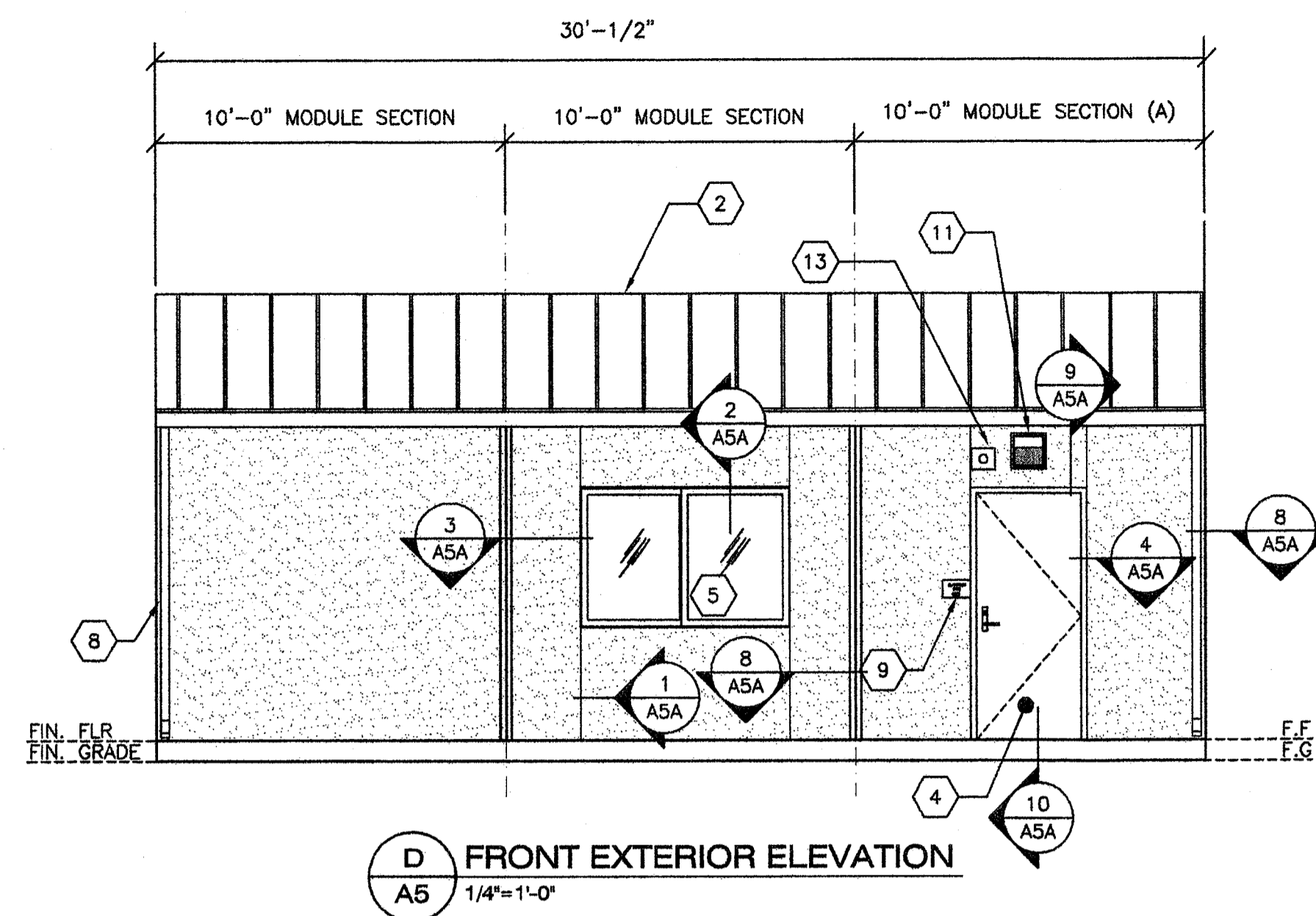


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63 113884  
AC FLS SSG  
DATE 8-12-09

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AC FLS SS  
DATE

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A3A

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- SHEET NOTES -**
- 1 CONTROL JOINT (LOCATIONS MAY VARY)
  - 2 STANDING SEAM METAL ROOFING
  - 3 OVERHANG
  - 4 TYPICAL EXTERIOR DOOR
  - 5 WINDOW SEE SPEC'S
  - 6 HVAC UNIT (LOCATION MAY VARY)
  - 7 SYNTHETIC STUCCO FINISH
  - 8 DOWNSPOUT (QUANTITY & LOCATION MAY VARY)
  - 9 ROOM ID AND ISA SIGNAGE (BY OWNER) TYP. REFER TO DETAILS S/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 RAMP NOT SHOWN FOR RAMP DETAILS REFER TO SHEET S6R

**MODULE SCHEDULE**

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30x32	3	1	30'-0 1/2"
40x32	4	2	40'-0 1/2"
50x32	5	3	50'-1"
60x32	6	4	60'-1 1/2"
70x32	7	5	70'-1 1/2"
80x32	8	6	80'-1 1/2"
90x32	9	7	90'-2"
100x32	10	8	100'-2 1/4"
110x32	11	9	110'-2 1/4"
120x32	12	10	120'-2 1/4"

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

**REVISIONS**

NO	DATE	DESCRIPTION

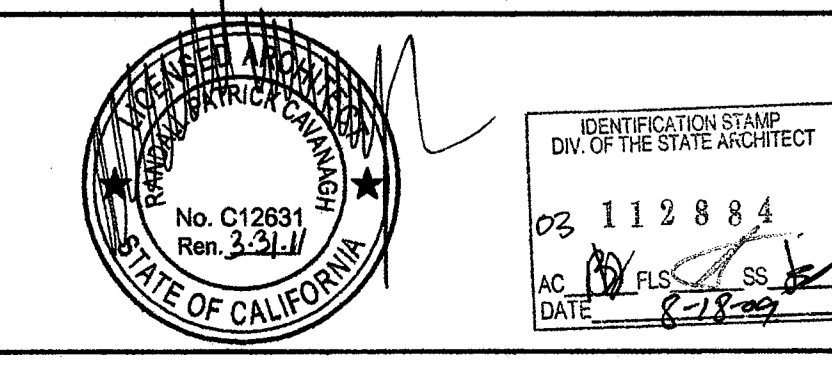
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DRAWN BY: MP  
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOLS  
FREMONT ELEMENTARY SCHOOL

2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS  
TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO OPTION)



APPROVALS:

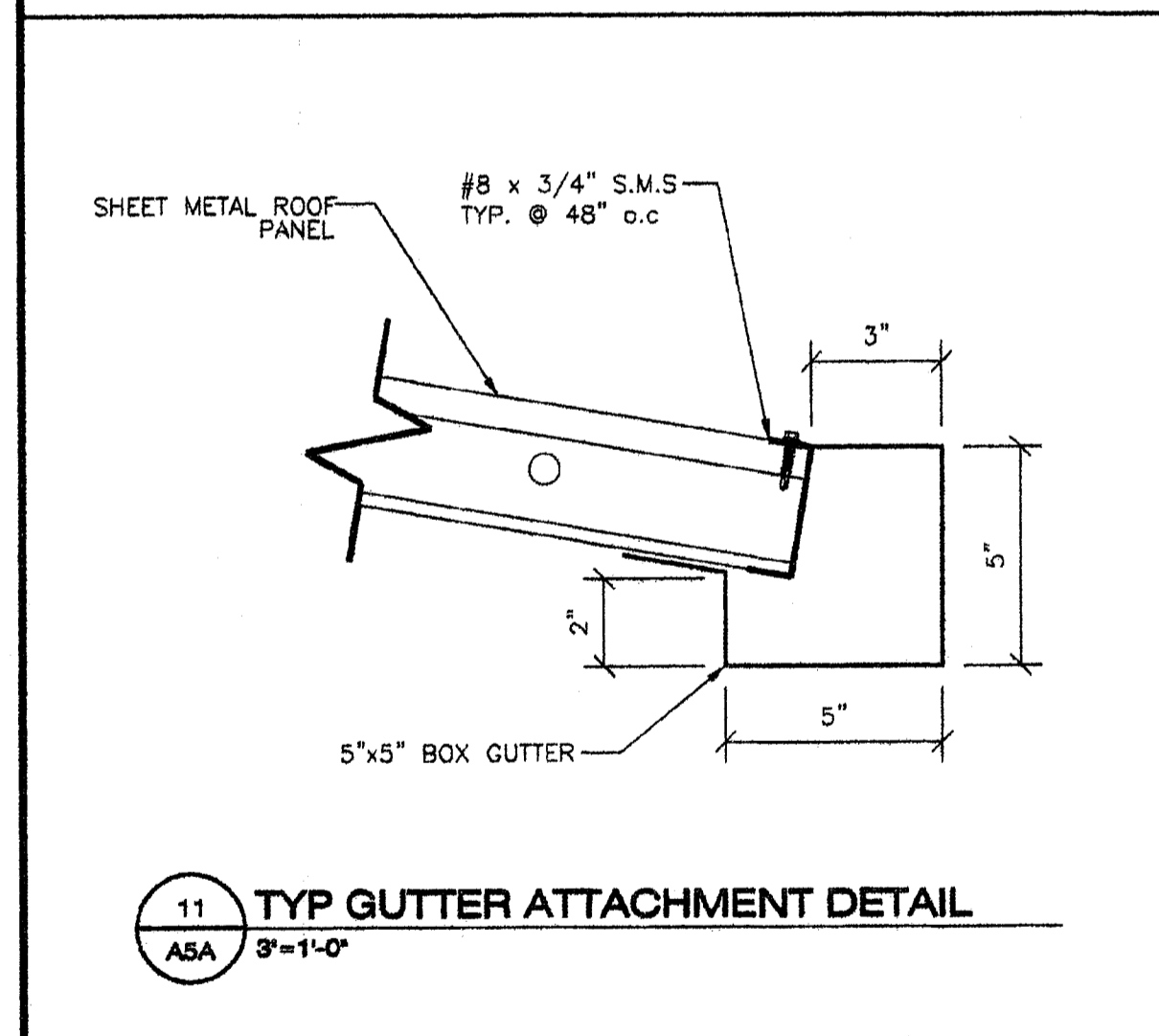
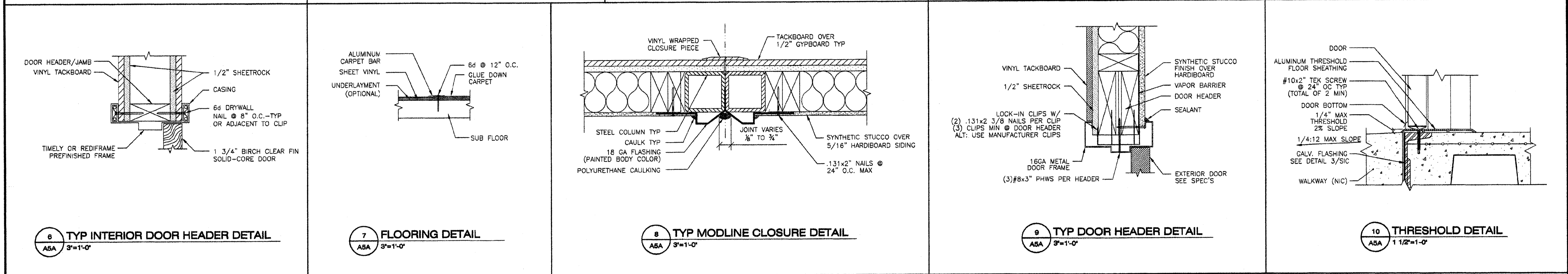
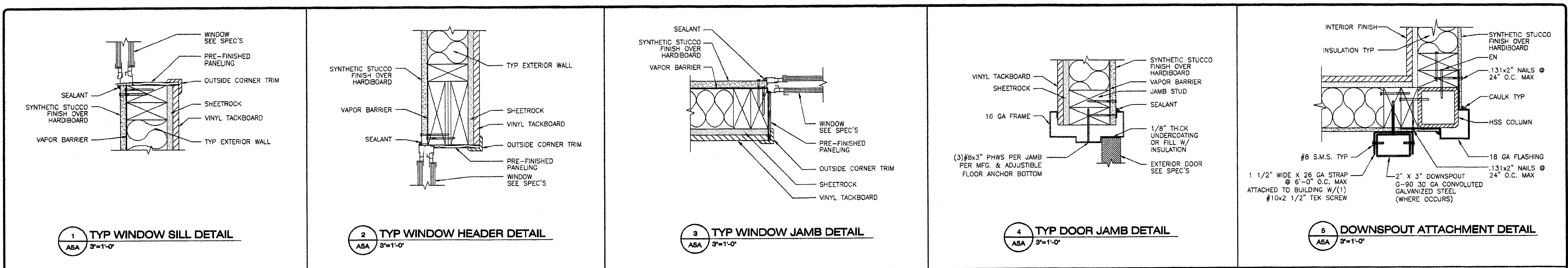


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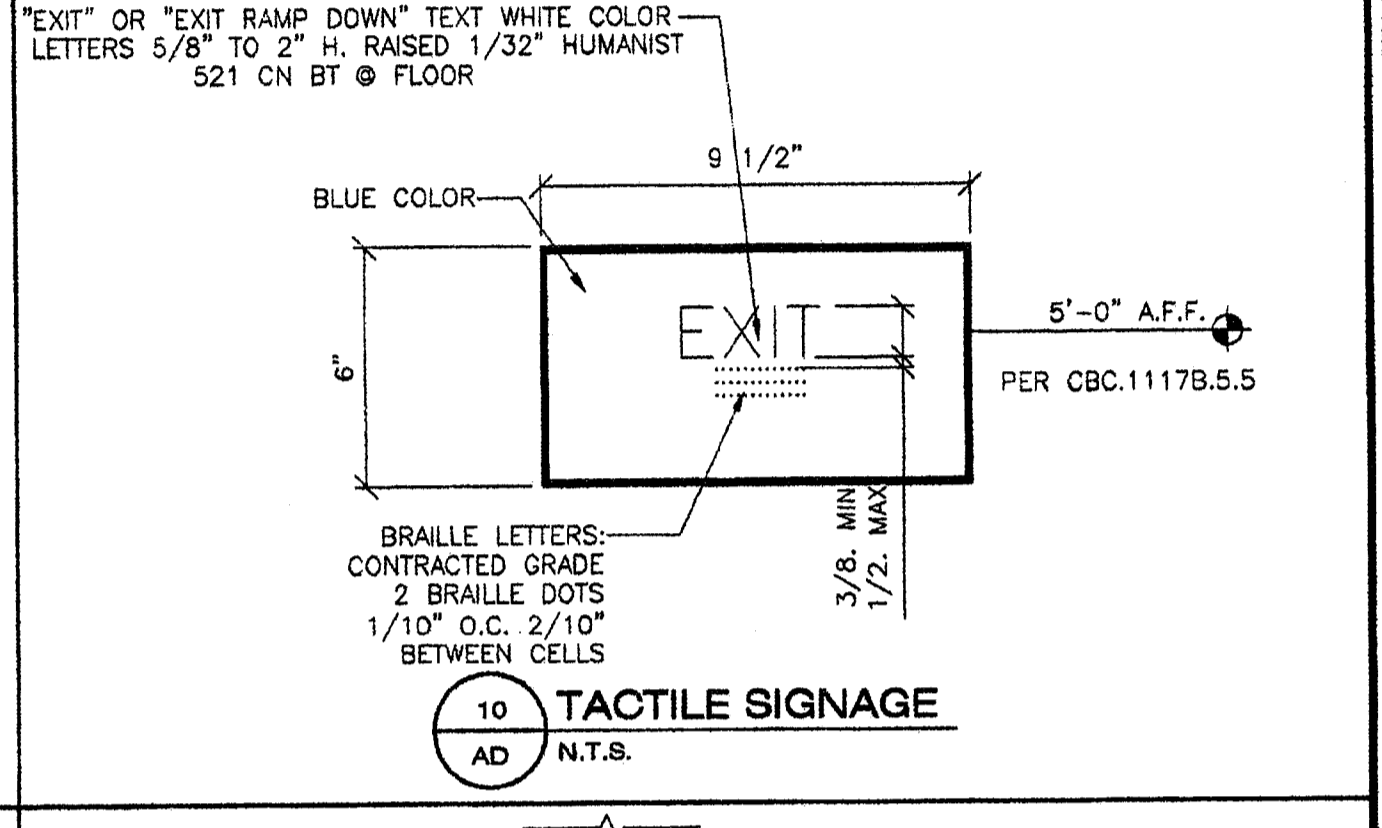
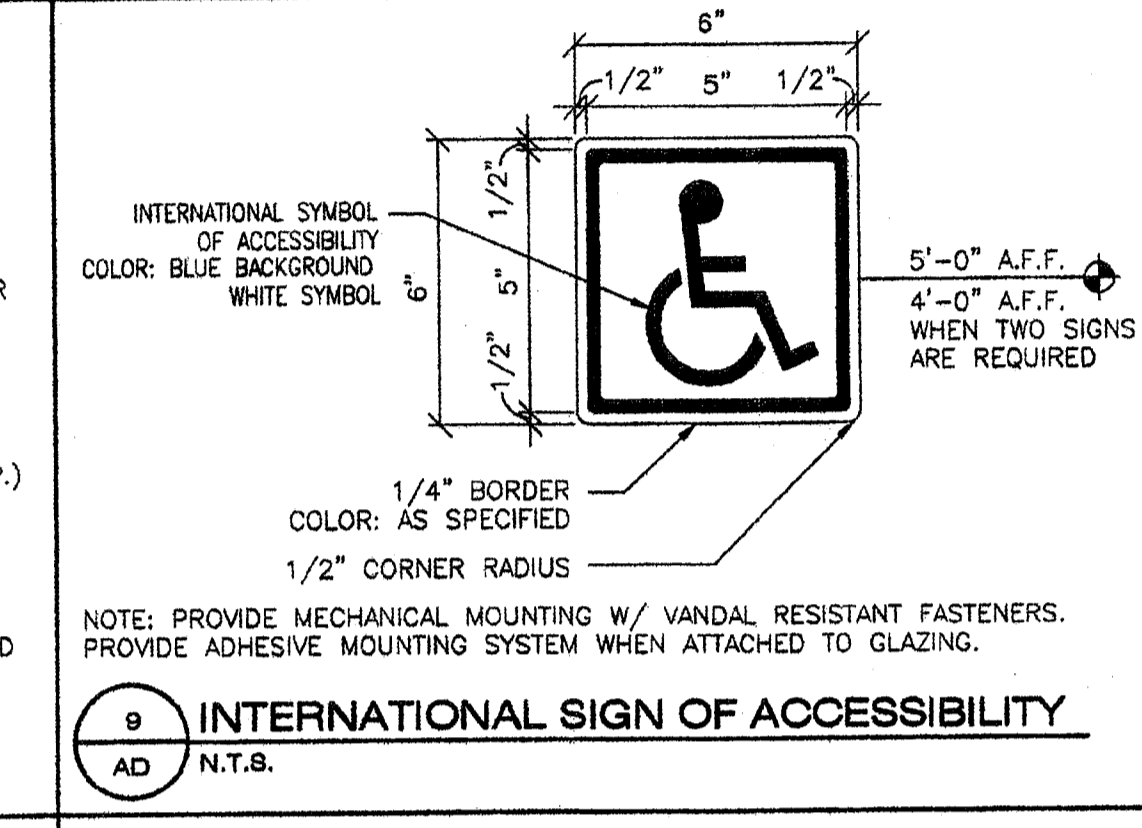
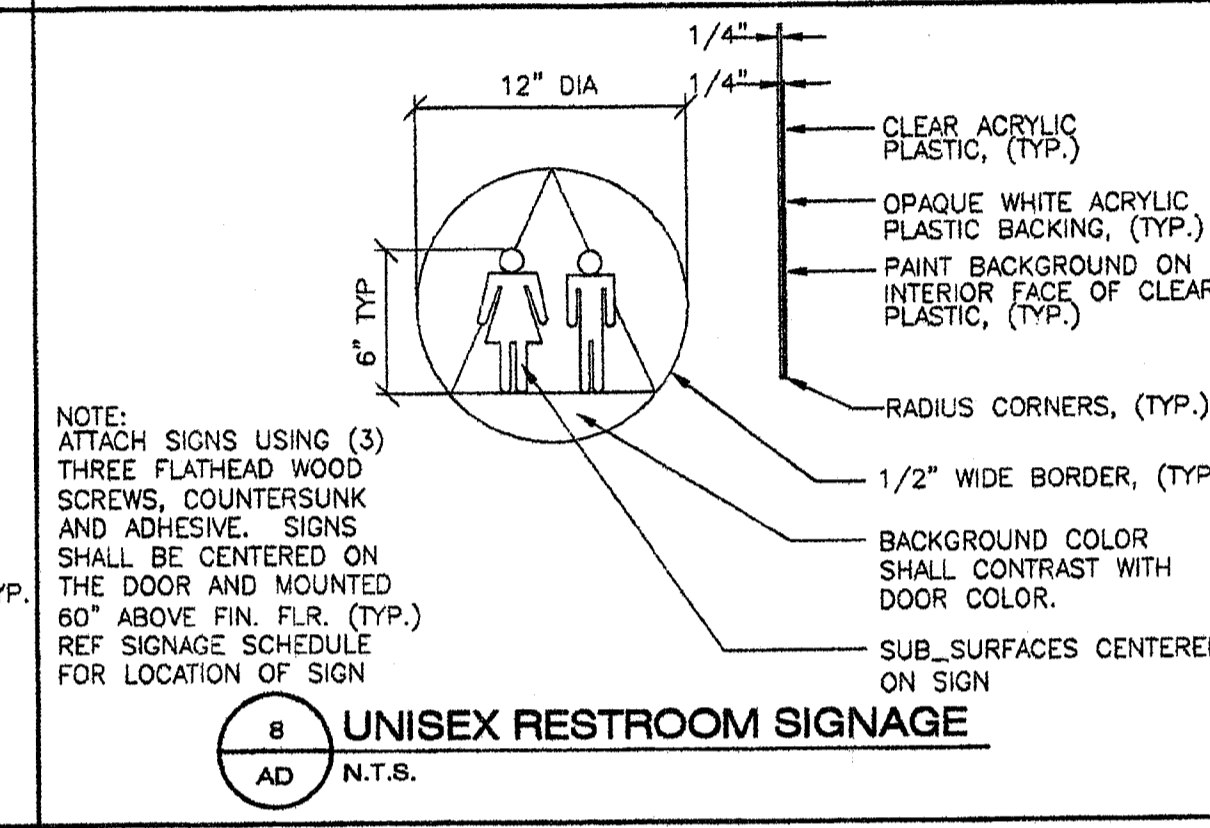
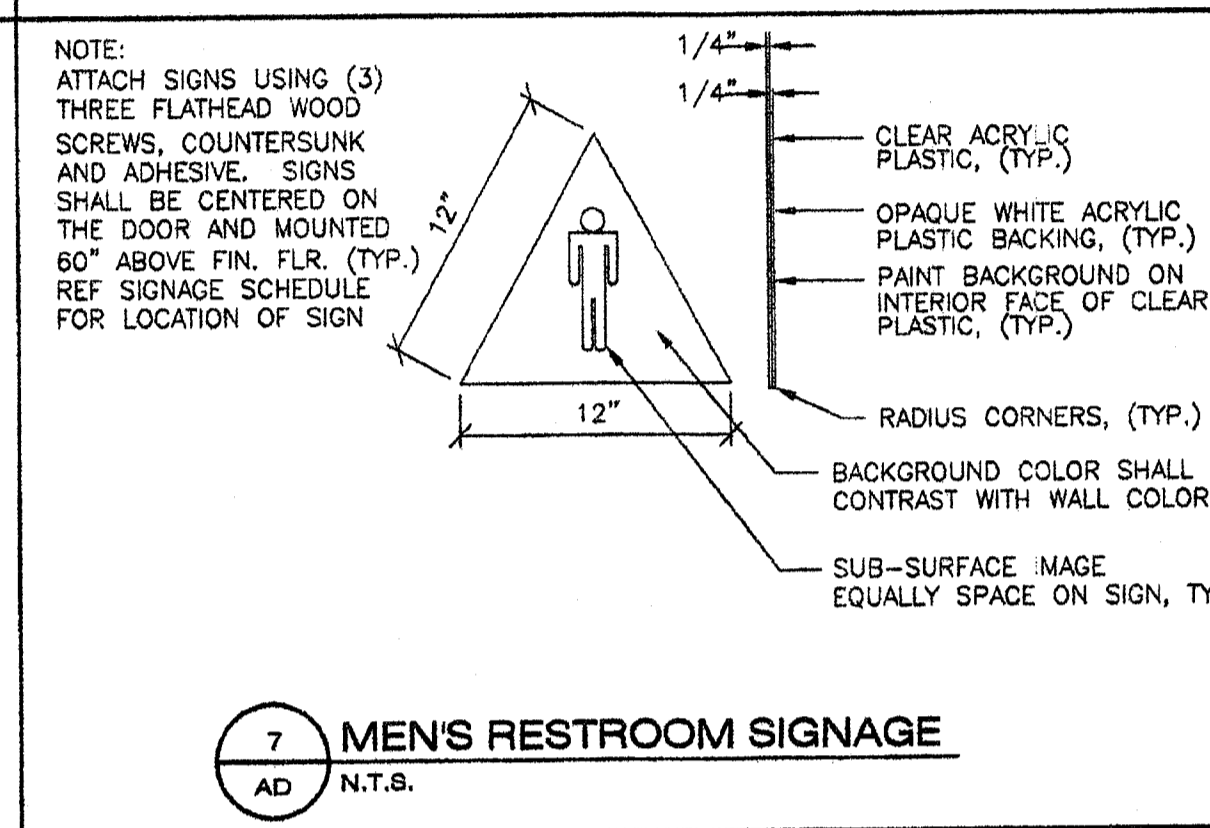
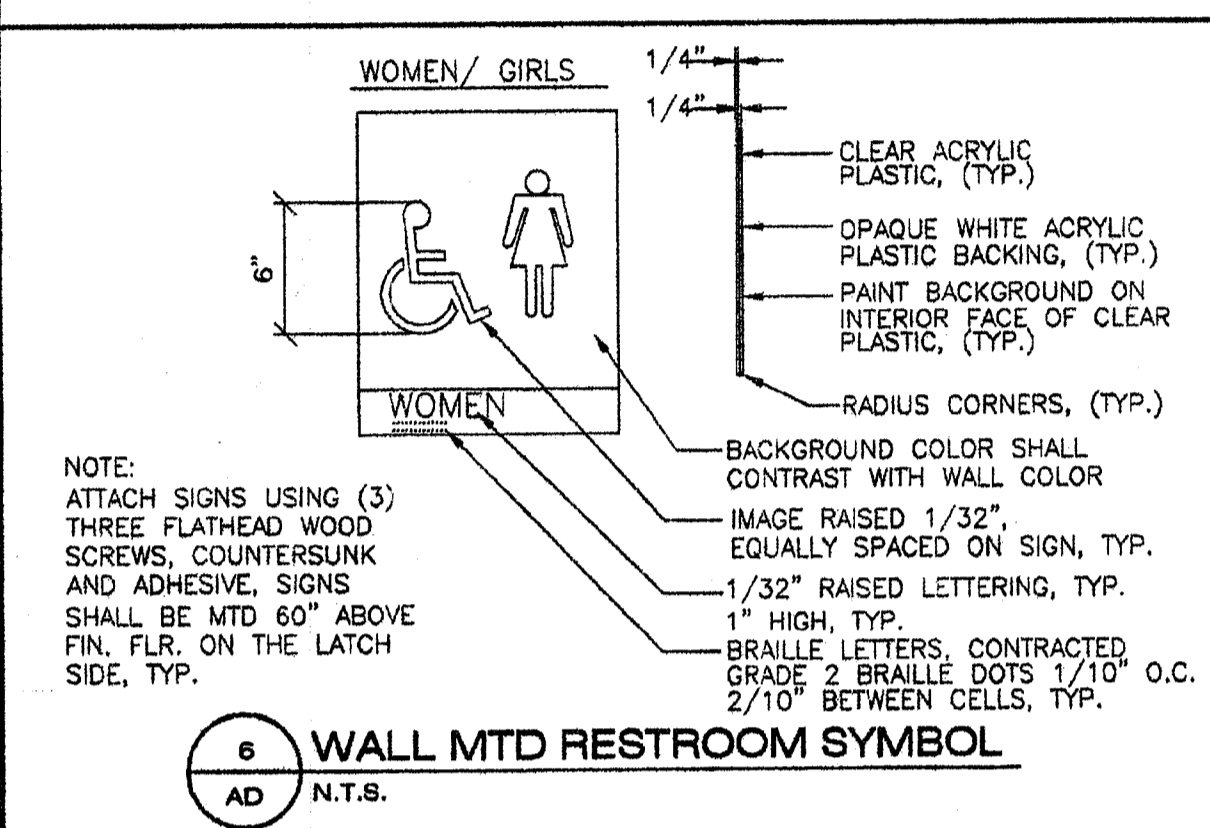
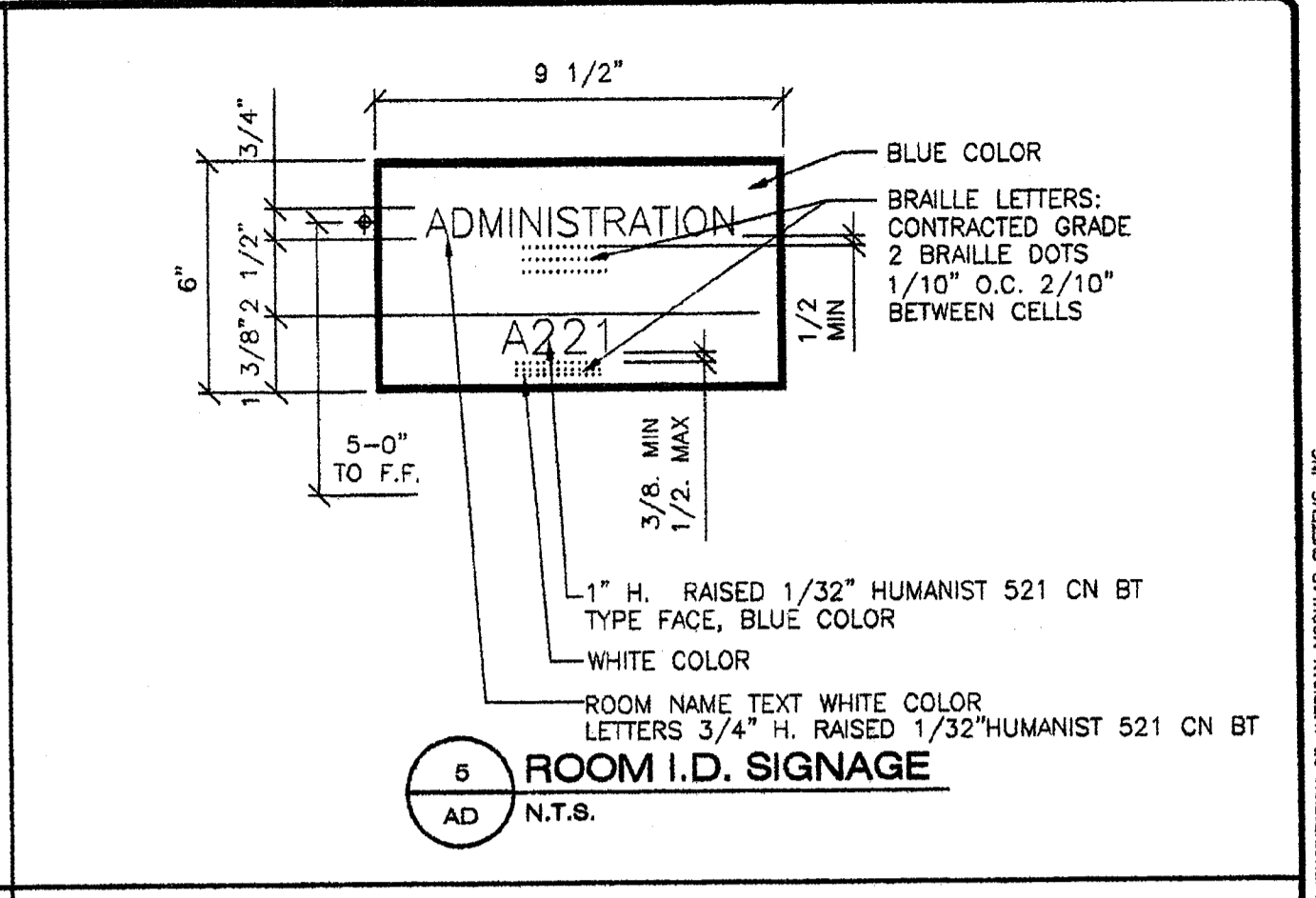
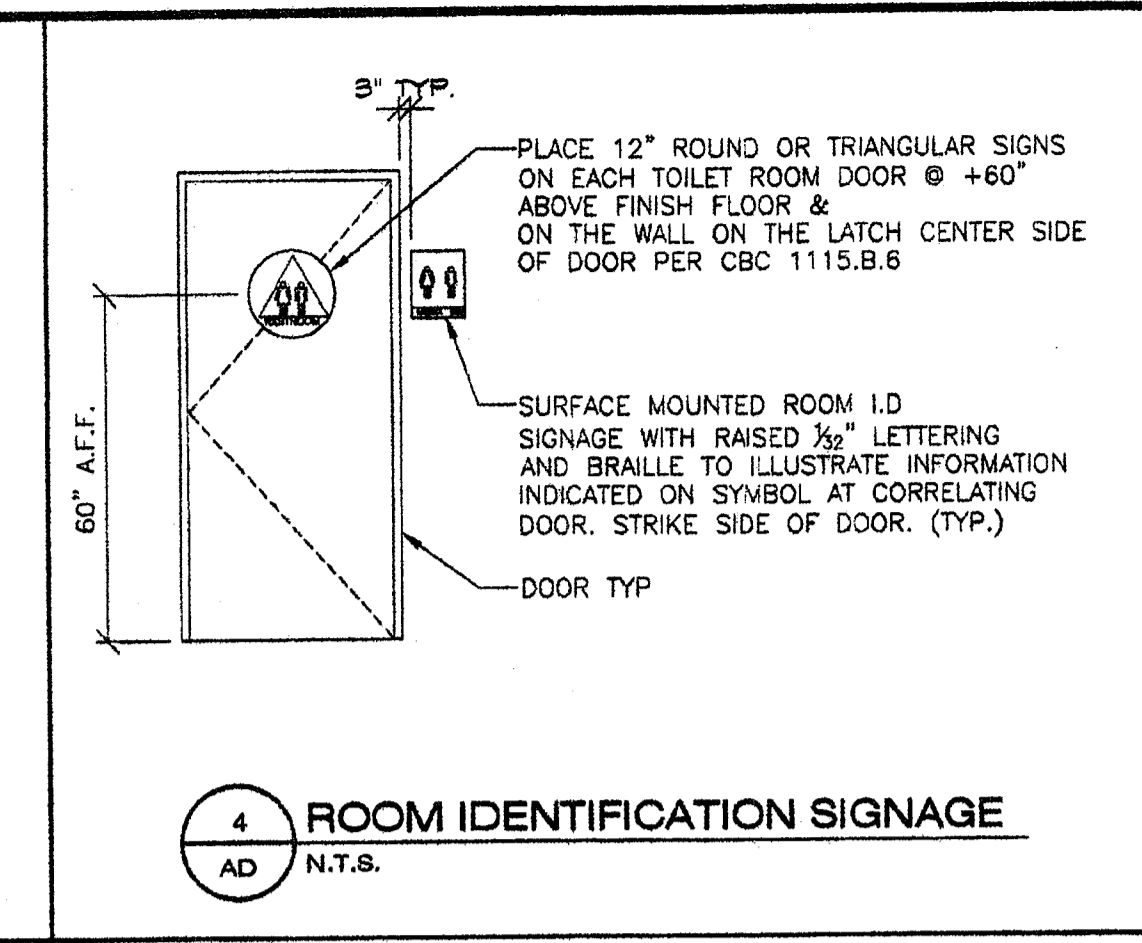
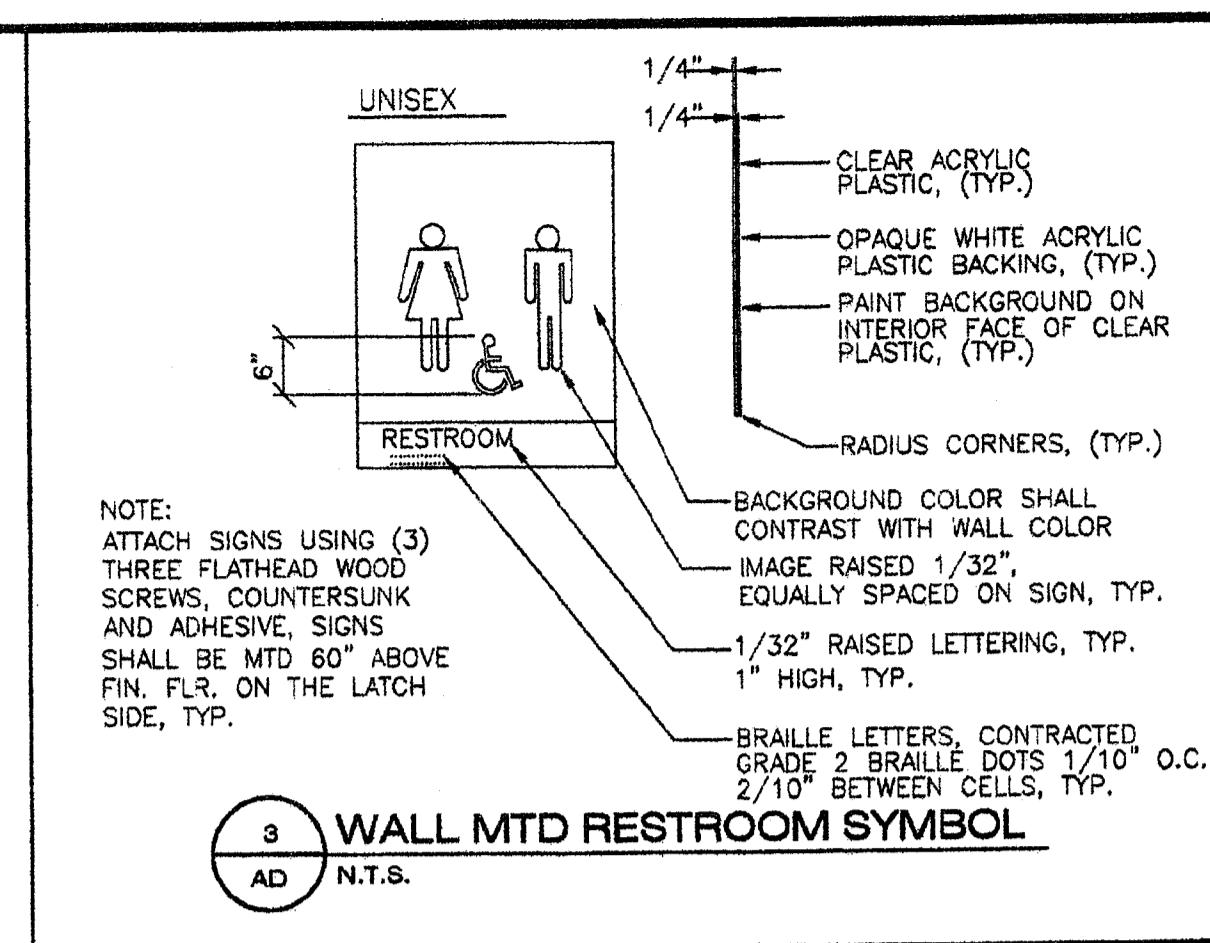
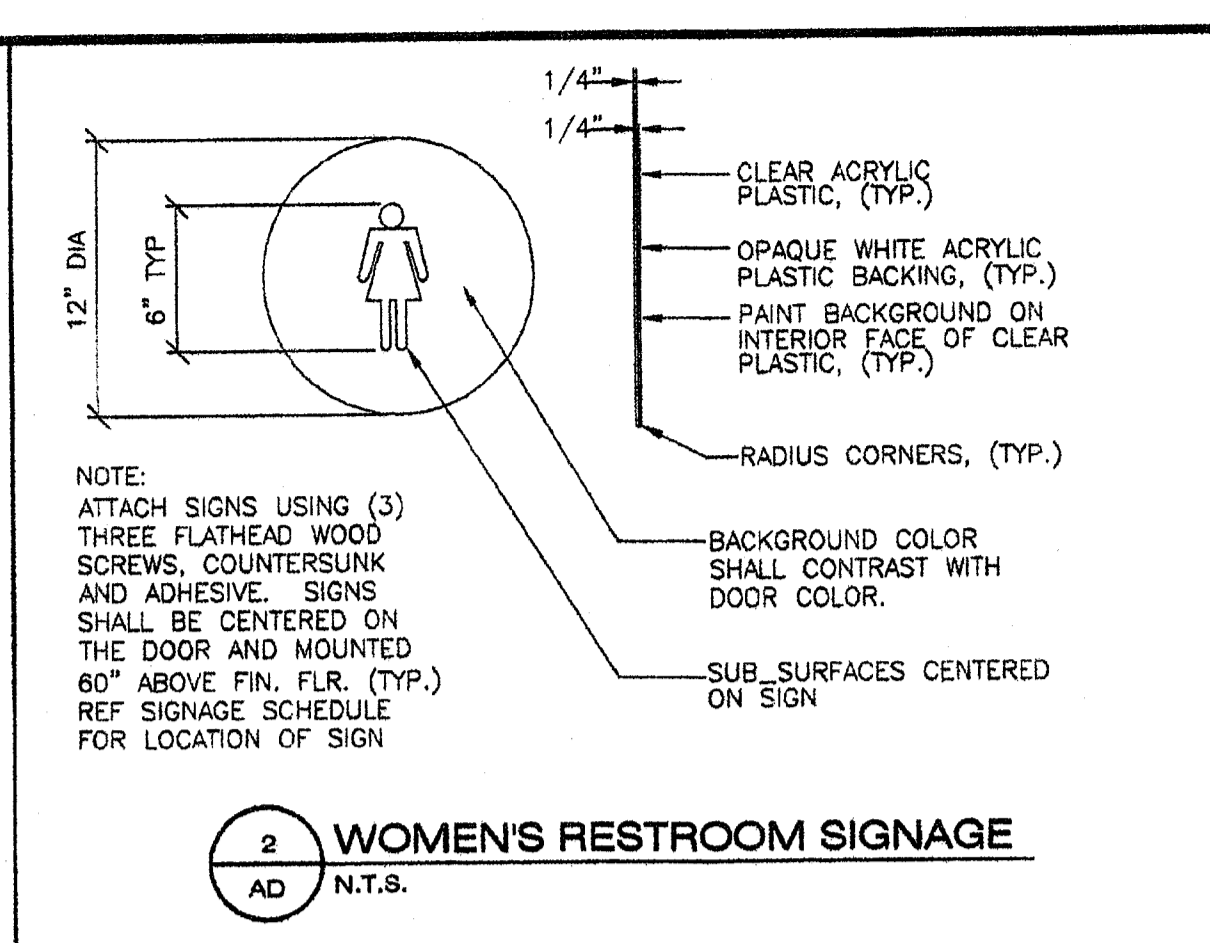
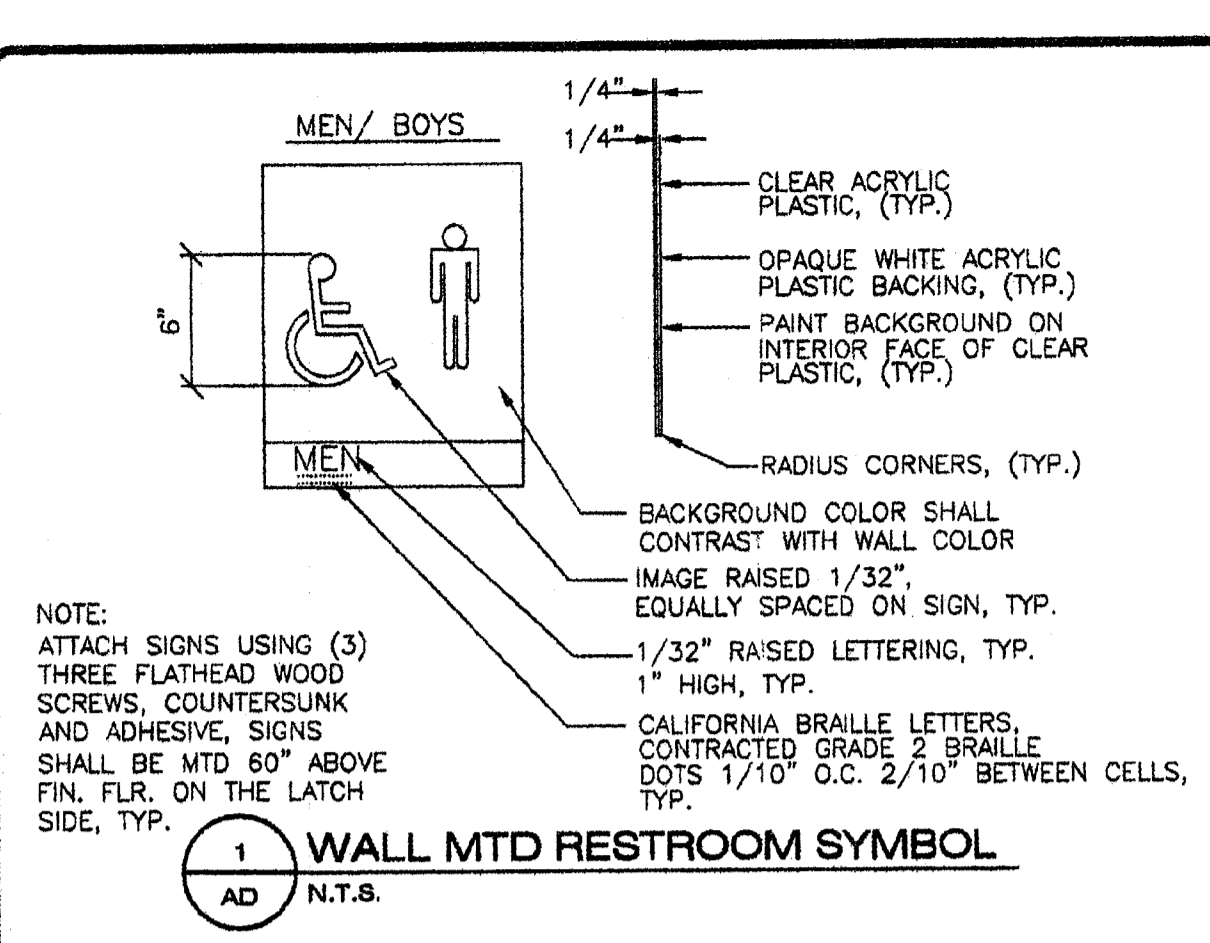
REVISIONS		
NO	DATE	DESCRIPTION

DATE: 3/10/09  
SCALE: NOTED  
DRAWN BY: DM  
SERIAL NO.:

CUSTOMER:  
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)

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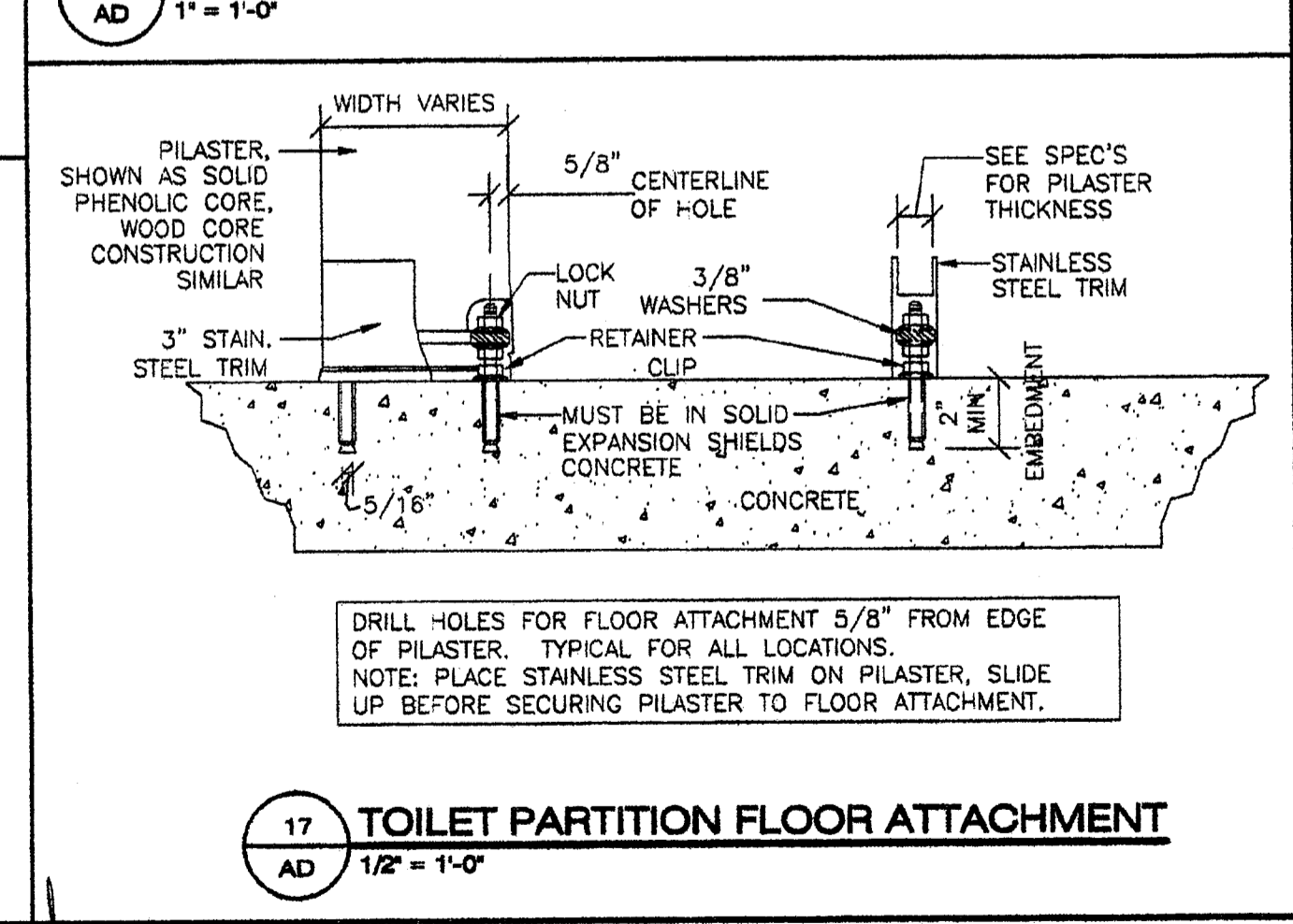
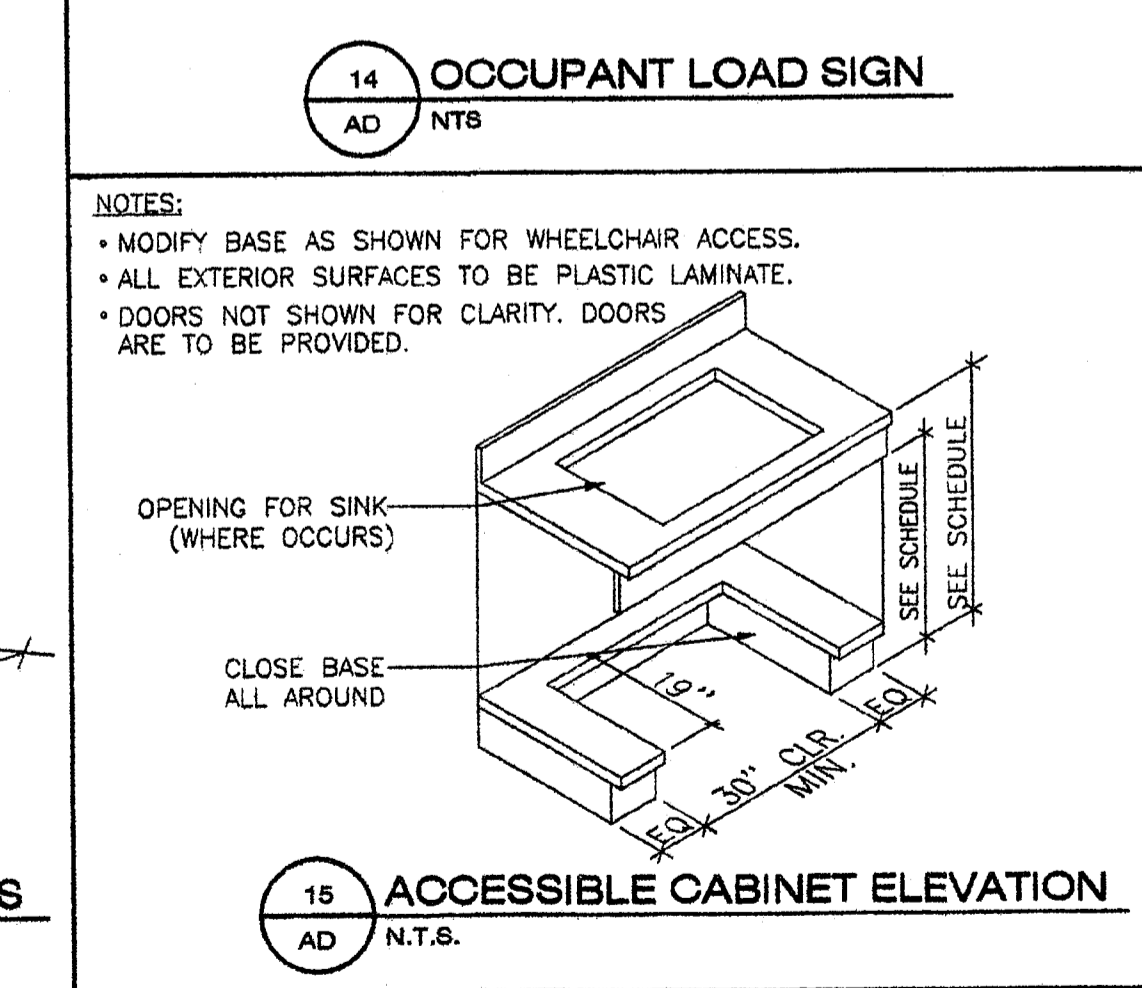
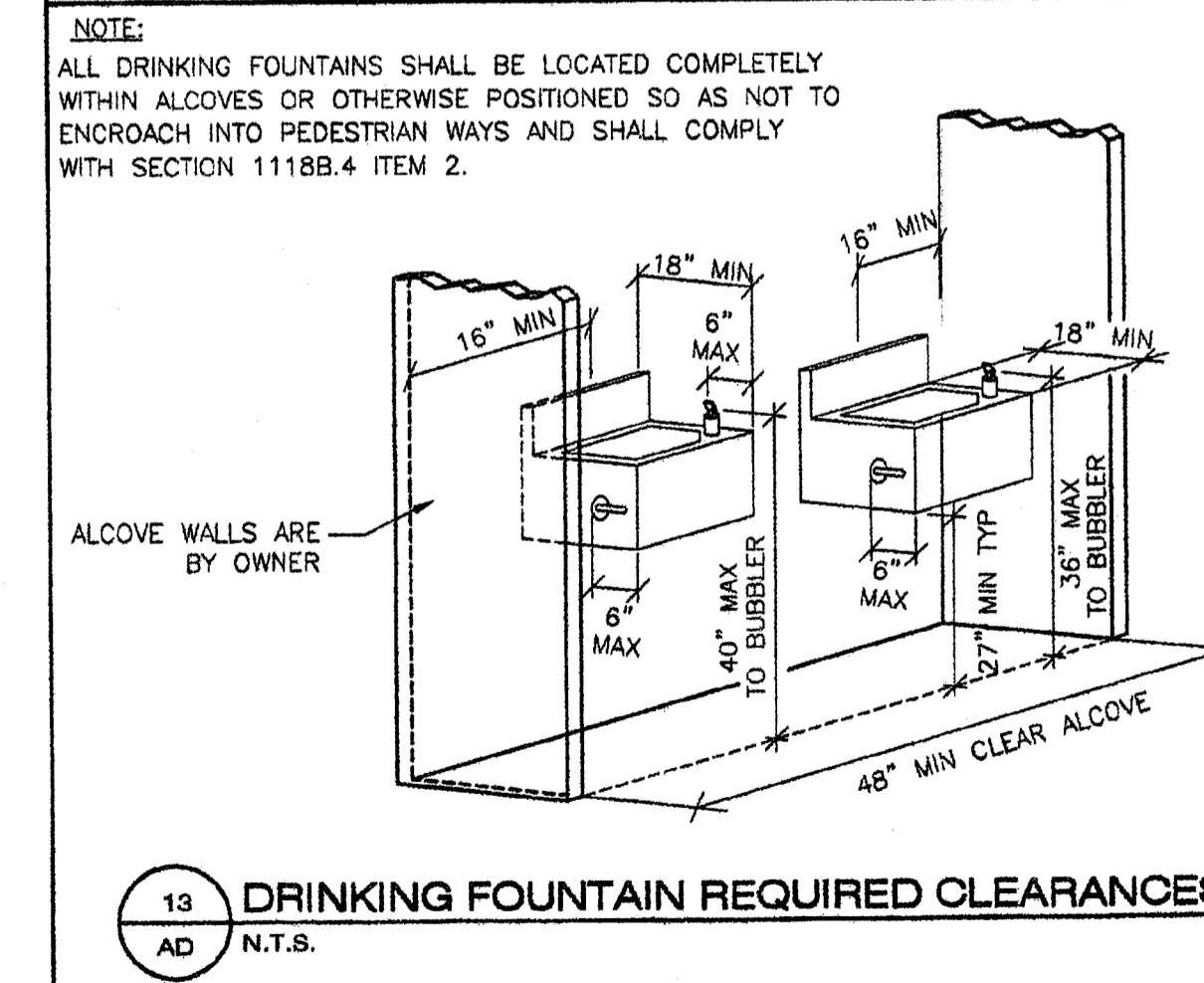
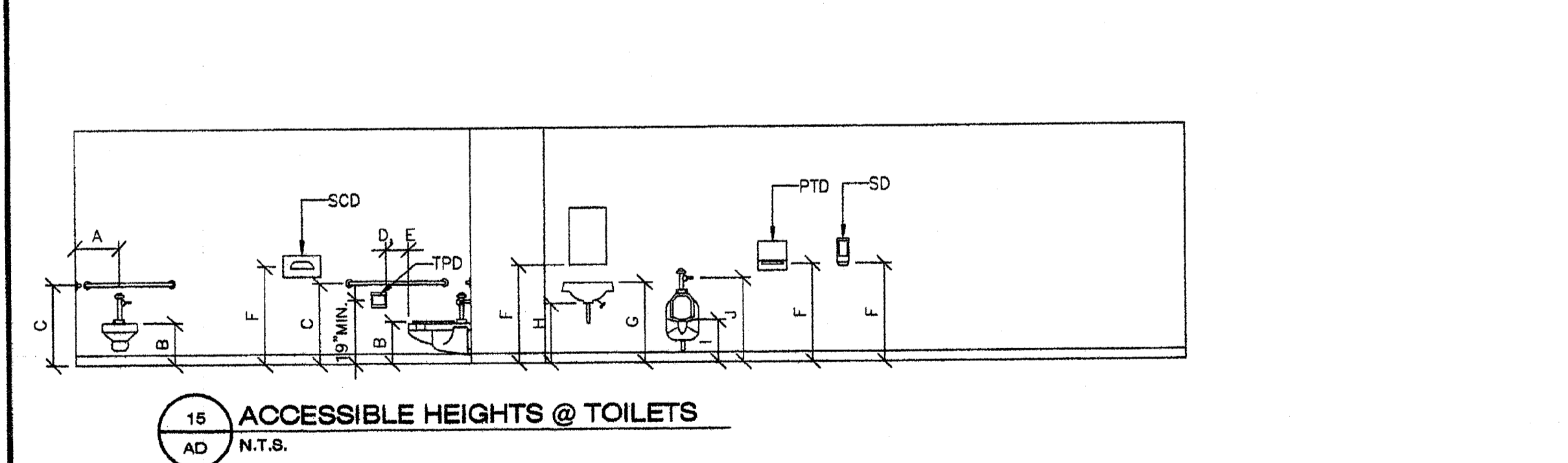
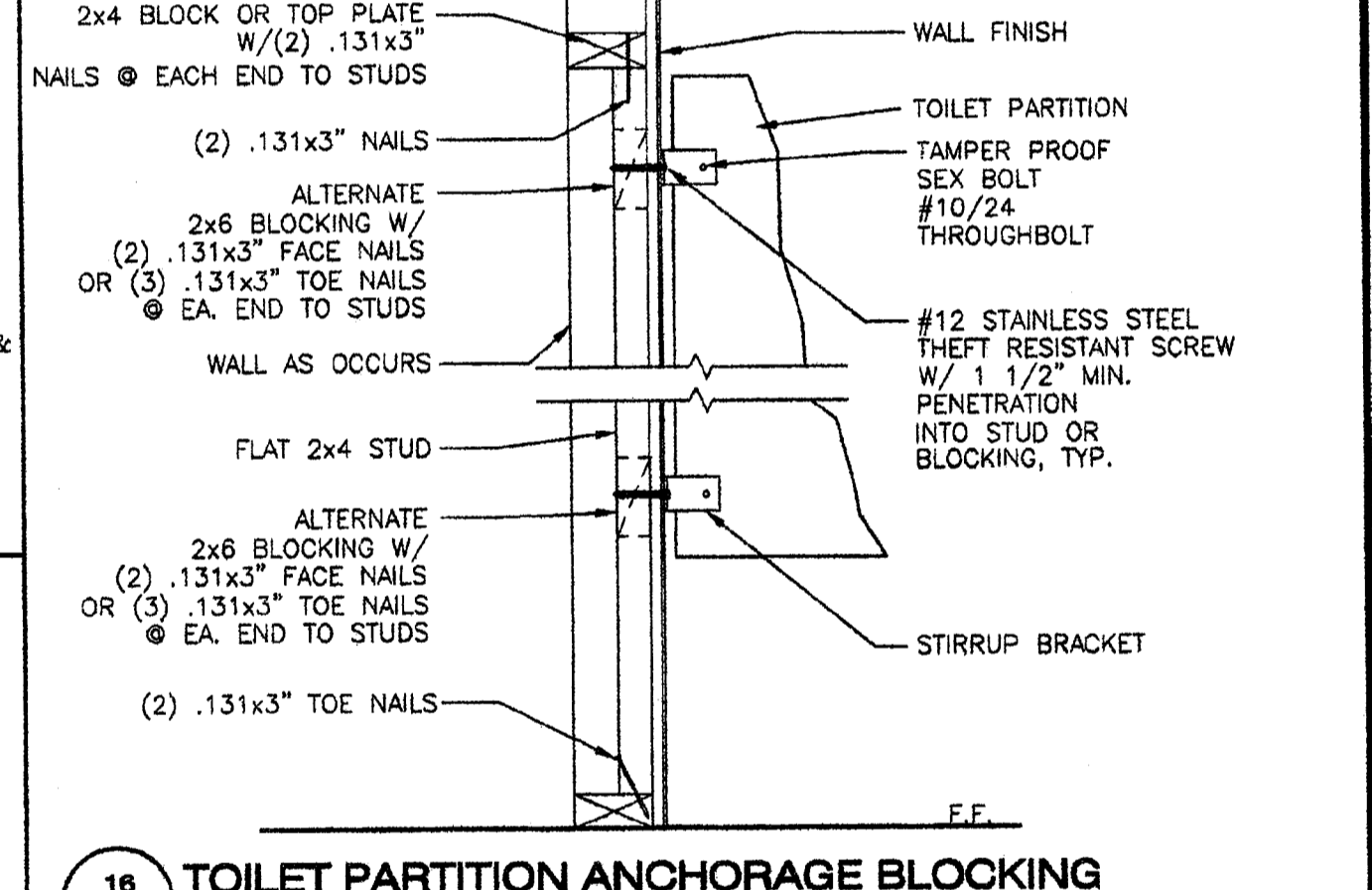
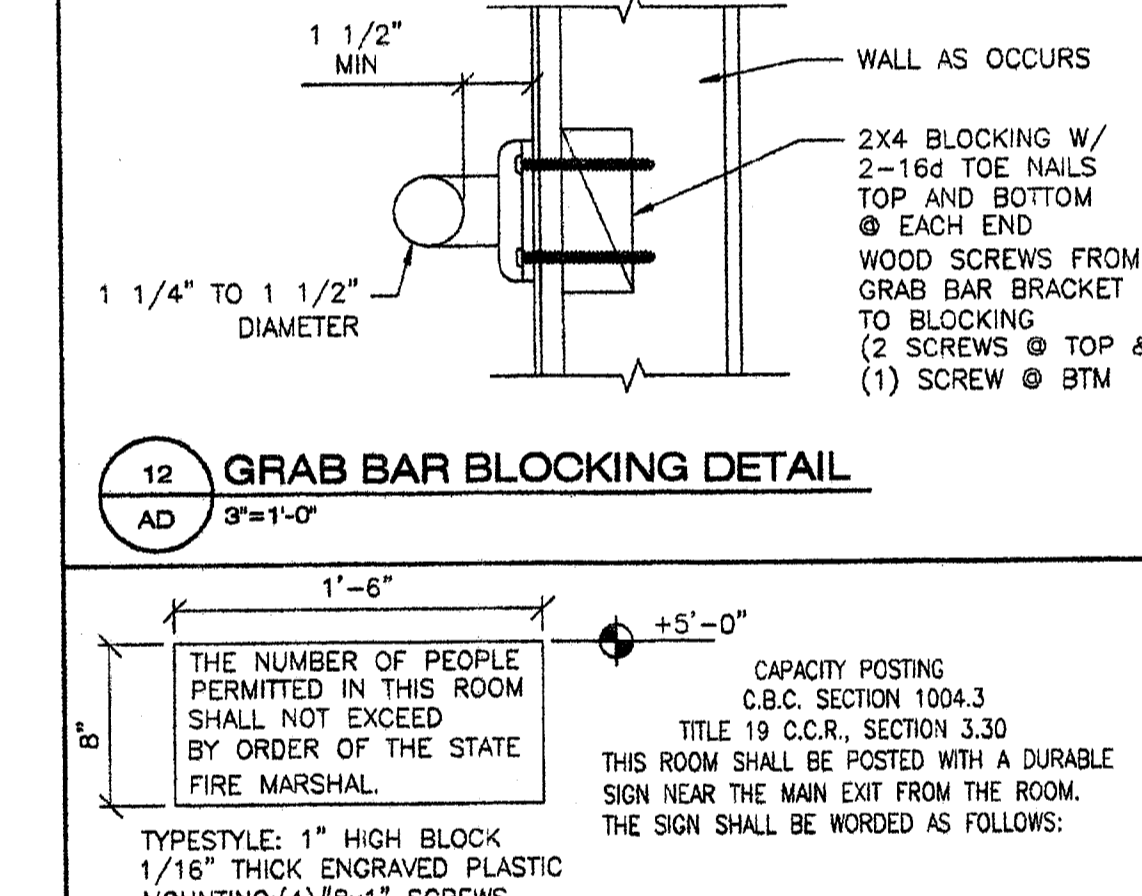
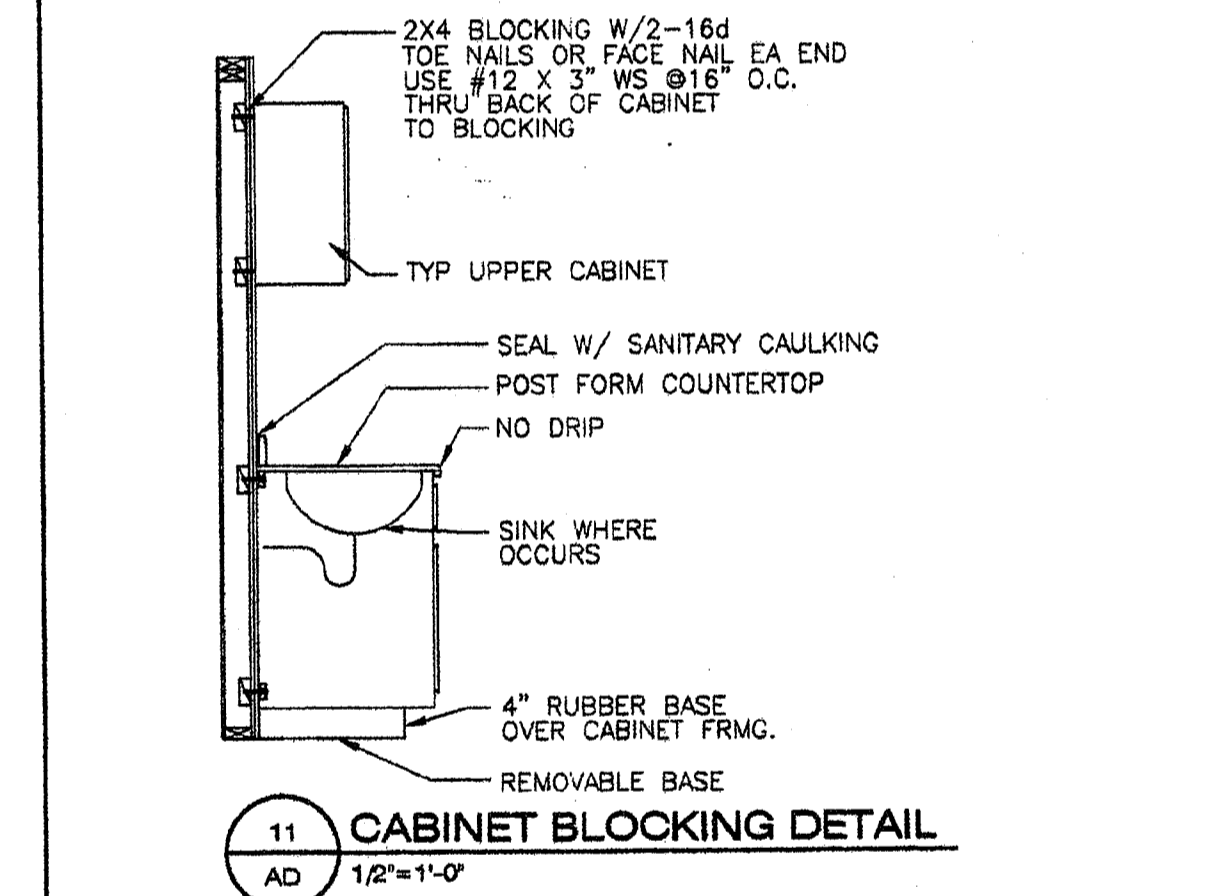
**DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES**

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"	18" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP) (ALLOWED @ 36" A.F.F. @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
C GRAB BAR HEIGHT	33"	27"	20"-22" ABOVE SEAT *	
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 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    SD = SOAP DISPENSER (ALL TOILET ACCESSORIES ARE N.I.C.)

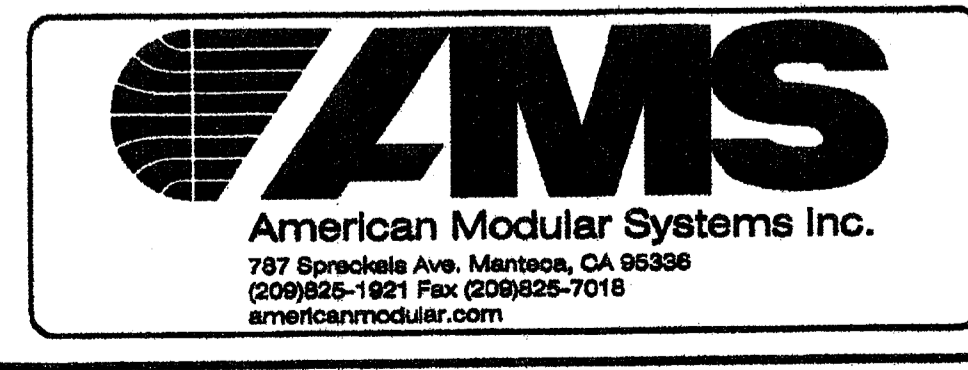
THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION



**REVISIONS**

NO.	DATE	DESCRIPTION

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2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS ACCESSIBLE DETAILS



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PC 02-100701  
DATE: 3/19/09  
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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.
B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. 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.
7. 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.
8. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
9. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
10. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
11. 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.
12. 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.
13. 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.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH, ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

- 1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF FOR WOOD FOUNDATIONS, 1500 P.S.F. FOR CONCRETE 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, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

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 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 MANUFACTURER'S CERTIFICATIONS.
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 T-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 1-07 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 #4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. H.F. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR #4S #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, PER 2007 CBC 17-1 FOR KRAFT, 32-1 FOR FELT. STUDS - #4S 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 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 "COUPINOL".
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.
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 6" 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 7B SHEET METAL

- 1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA UNLESS OTHERWISE NOTED ON THE DRAWINGS.
B. SOLDER - OF STAND GRADE "A" OF EQUAL PARTS ARD BRAND LEAD AND TIN ASTM B32.
C. FLUX - ZINC SATURATED MURIATIC ACID.
D. CUTTERS: 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 (#90).
B. ALTERNATE: ROOFING - 3 INCH STANDING SEAM MIN 20-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (#90).
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 CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATER TIGHT 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 AS FOLLOWS:
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 UNO.
4. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO 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
5. ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UNO.
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 2508.1 AND 2511.1, AND CHAPTER 35. 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.

- 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 EXPOSED 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 EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR
PRIMER 42-9M 1240 Y24W20 289-N
FINISH QD-80-XX 1240-XXX B54W2102 GE2-NXX
B. FOR INTERIOR TRIM
REF. BRAND DUNN EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR
FINISH W450-XX 1650-XXX A26W11 40XX
C. FOR METAL
REF. BRAND DUNN EDWARDS KELLY MOORE SHERWIN WILLIAMS SINCLAIR
PRIMER 43-4 1710 B50NZ6 15N
FINISH 10-XX 1700-XXX B54WZ102 GE2-NXX
3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
A. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYL 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 PARTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-916-98A DATED JULY 1989. OR EQUAL.
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.

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 SYSTEM 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 SHERARIZED. 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 FILED 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 SEALITE)

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).

Table with 3 columns: NO, DATE, DESCRIPTION. Includes a section for REVISIONS.

DATE: 3/10/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS
GENERAL NOTES



APPROVALS:
Includes a circular seal for the State of California and a signature block.

PROJECT No.
N1
Includes identification stamps and a date stamp: 6/19/09

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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 (12) APPROXIMATELY 10' x 32' 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. ATTACH TO STUDS WITH No. 8X3 SCREW @ 32" O.C.

**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 & C5242. 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.
2. 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 1110B-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 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 (PO)T 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 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.

**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: 3/10/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS
GENERAL NOTES



APPROVALS:



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 112884  
DATE: 2-18-09

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-109701  
DATE: 6/19/09

PROJECT No.  
**N2**

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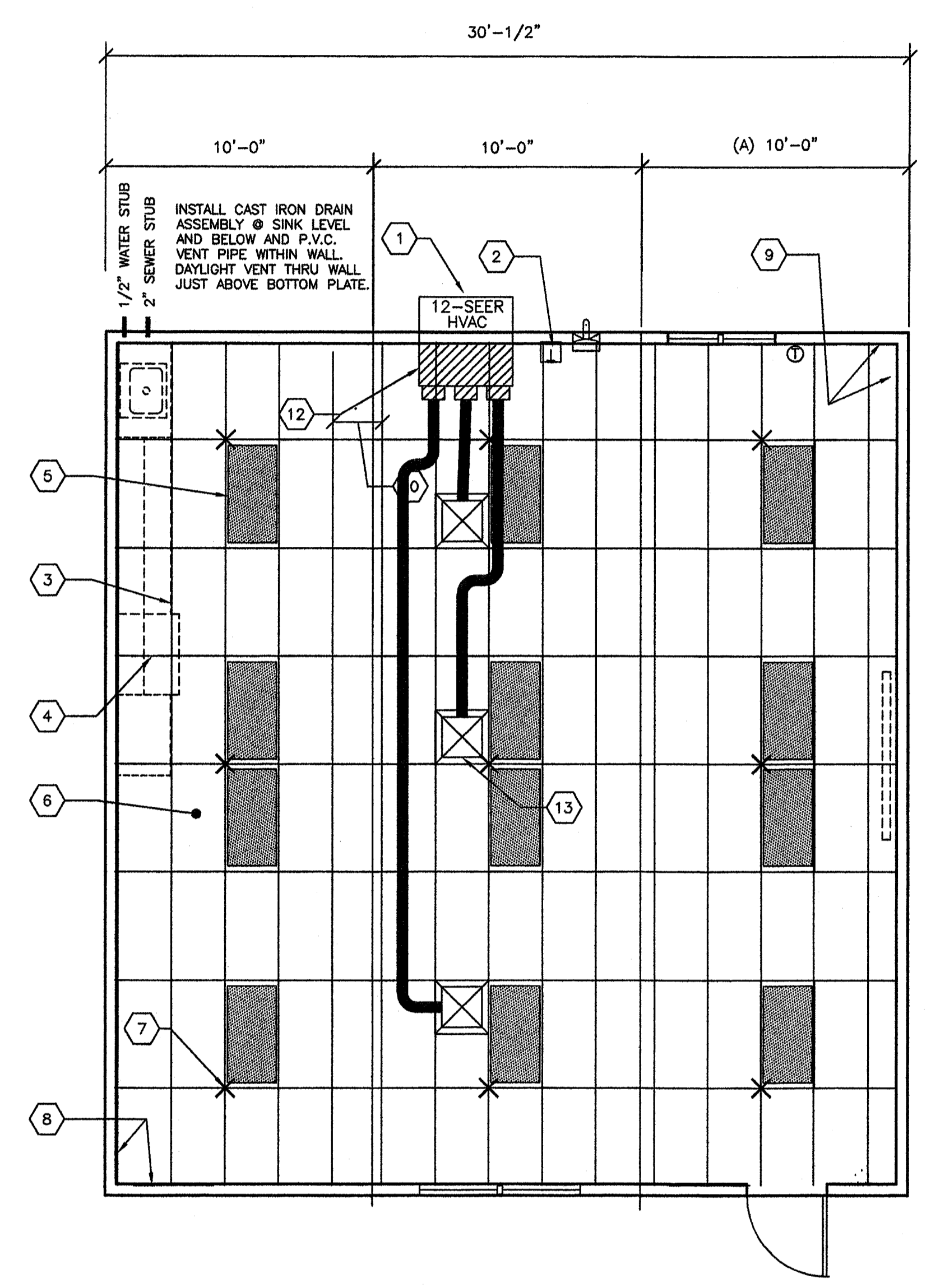
- SHEET NOTES -

- 1 WALL HUNG HVAC UNIT (LOCATION MAY VARY)
- 2 THERMOSTAT @ +60" SEALED + 48" UNSEALED (LOCATION MAY VARY)
- 3 MAIN RUNNER TYP
- 4 CROSS RUNNER TYP
- 5 INTERIOR LIGHT FIXTURE REFER TO SHEET E1 FOR SPEC'S
- 6 CEILING HEIGHT @ 8'-6" NOM
- 7 SPLY 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

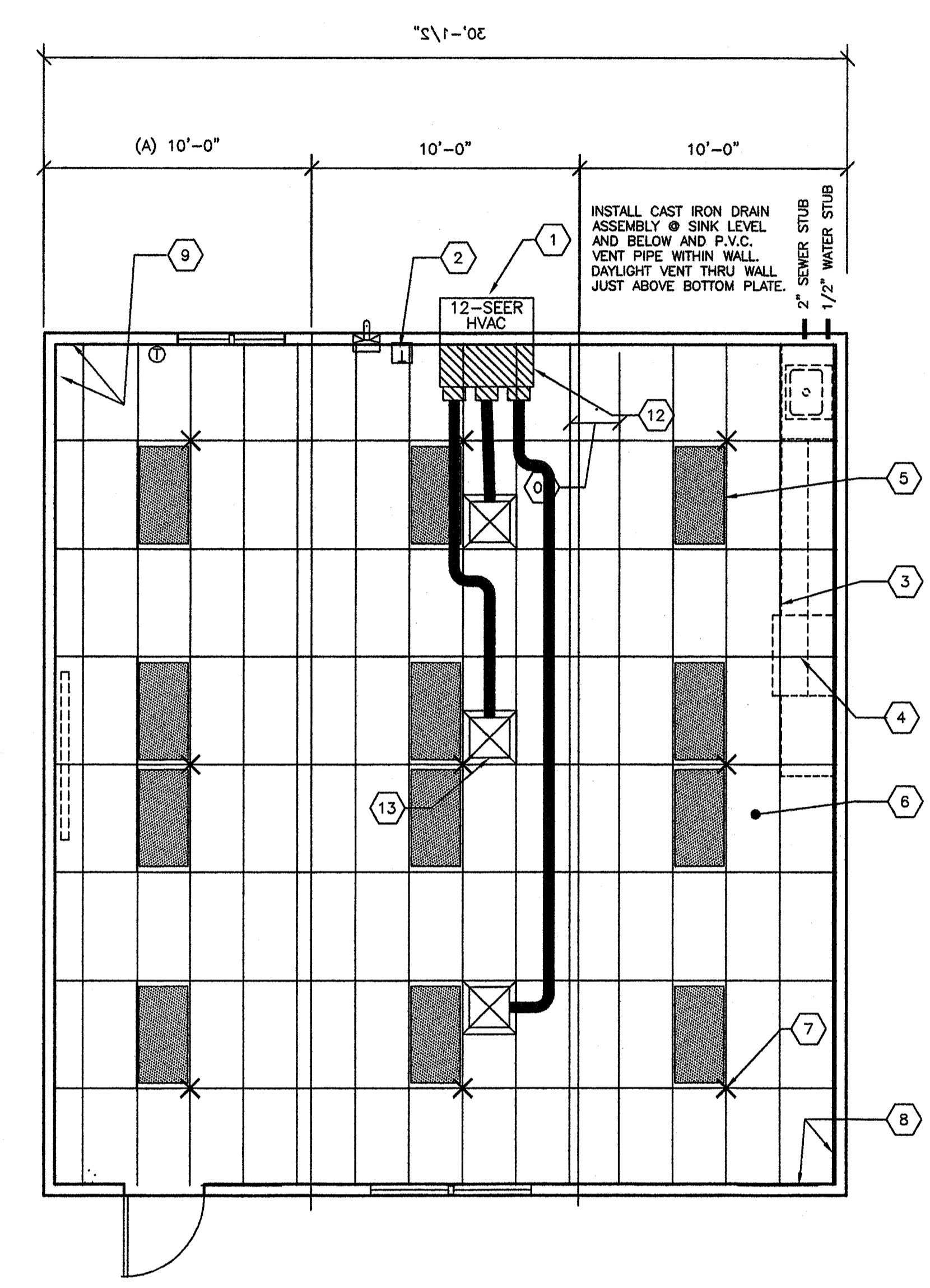
NOTE:  
 WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM  
 AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND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

MODULE SCHEDULE

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30x32	3	1	30'-0 1/2"
40x32	4	2	40'-0 3/4"
50x32	5	3	50'-1"
60x32	6	4	60'-1 1/4"
70x32	7	5	70'-1 1/2"
80x32	8	6	80'-1 3/4"
90x32	9	7	90'-2"
100x32	10	8	100'-2 1/4"
110x32	11	9	110'-2 1/2"
120x32	12	10	120'-2 3/4"



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



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

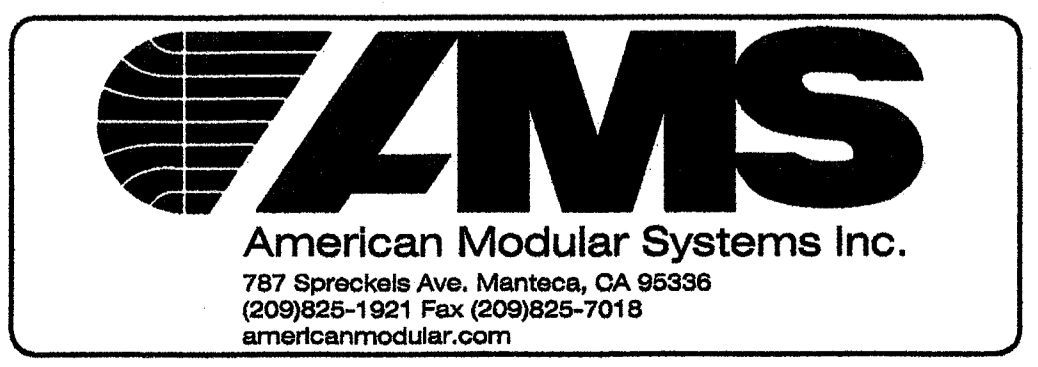
REVISIONS

NO	DATE	DESCRIPTION

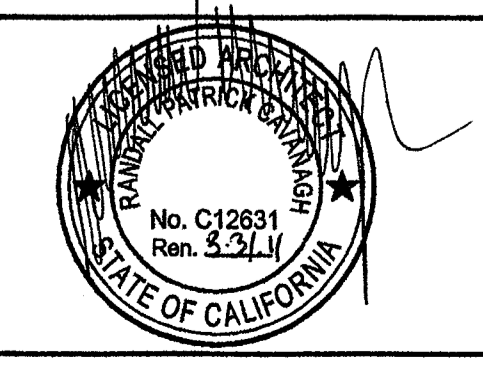
DATE: 07/02/09  
 SCALE: NOTED  
 DRAWN BY: MP  
 SERIAL NO.:

CUSTOMER:  
 BAKERSFIELD CITY SCHOOL DISTRICT  
 FREMONT ELEMENTARY SCHOOL

2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS  
 TYPICAL REFLECTED CEILING PLAN



APPROVALS:



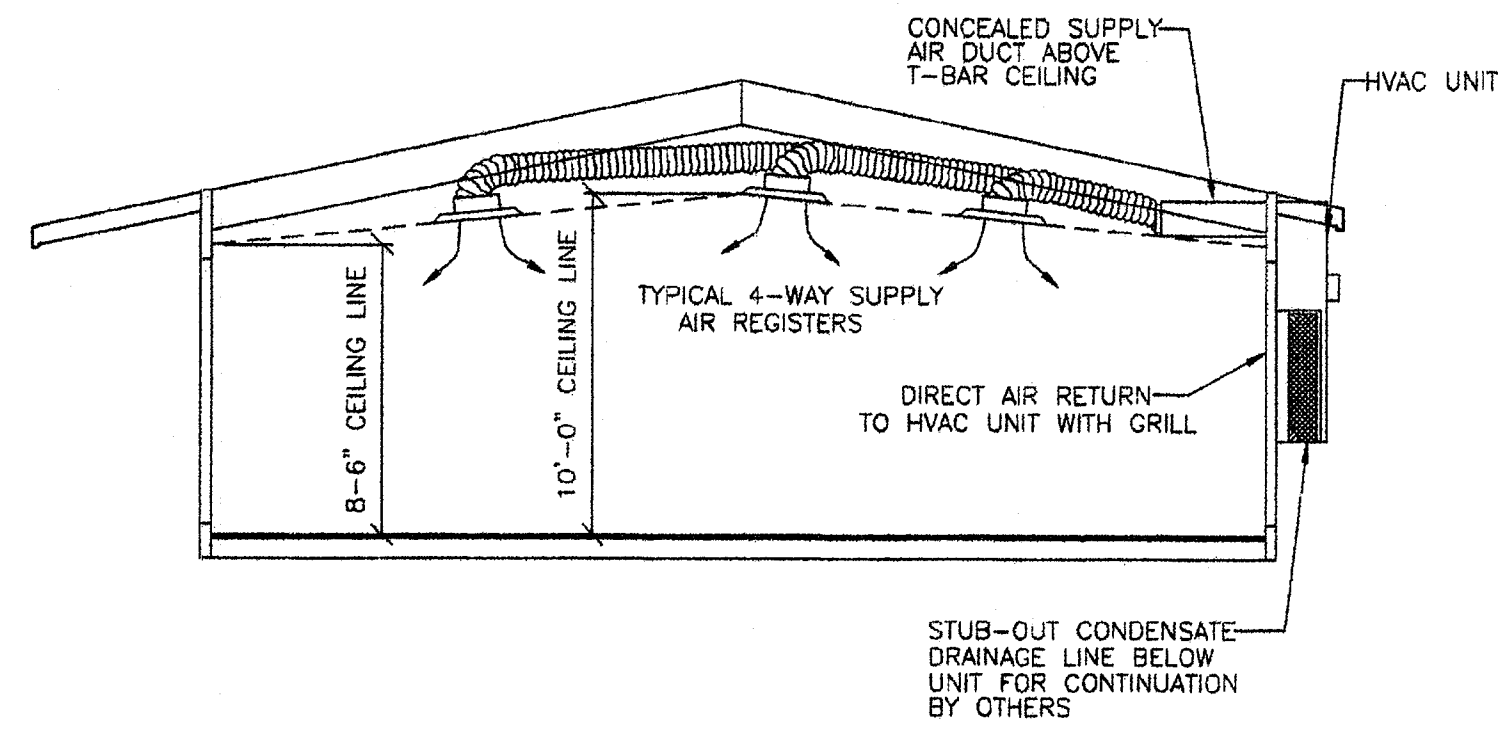
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 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 No. 112884  
 AC, FLS, SS  
 DATE

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

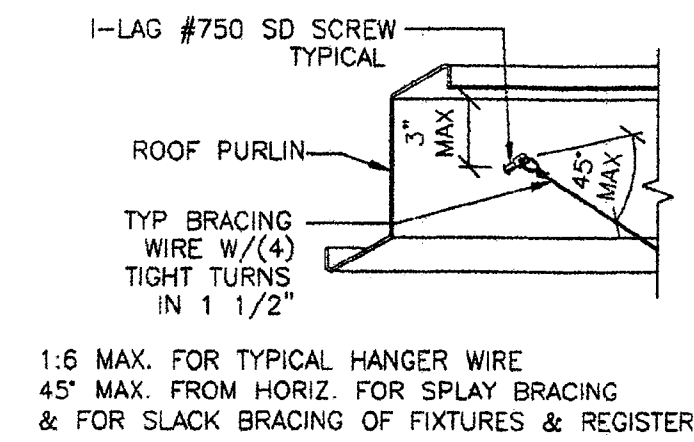
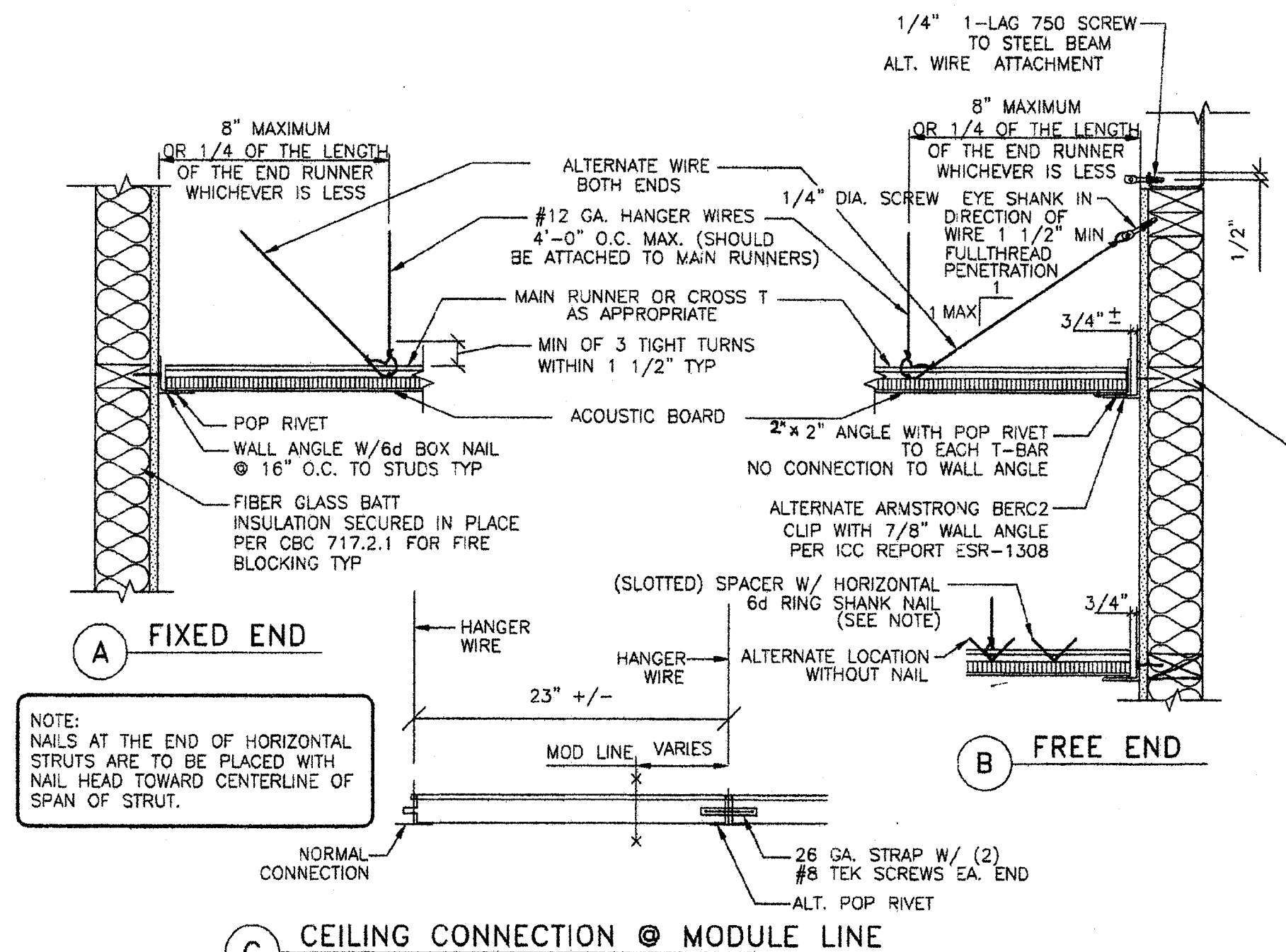
PROJECT No.  
 M1

BASED ON PC# 02-109701

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1 TYPICAL MECHANICAL DETAIL SECTION  
M2 3/16"=1'-0"



3 CONNECTION TO PURLINS DETAILS  
M2 1 1/2"=1'-0"

FOR BRACING WIRES USE 1-LAG SCREW #750 SD

12 GA. HANGER WIRE W/(3) TIGHT TURNS IN 1 1/2" @ 4'-0" O.C. MAX.

1/2" EMT PIPE STRUT WHERE OCCURS FASTEN W/2-#8x1" S.M.S.

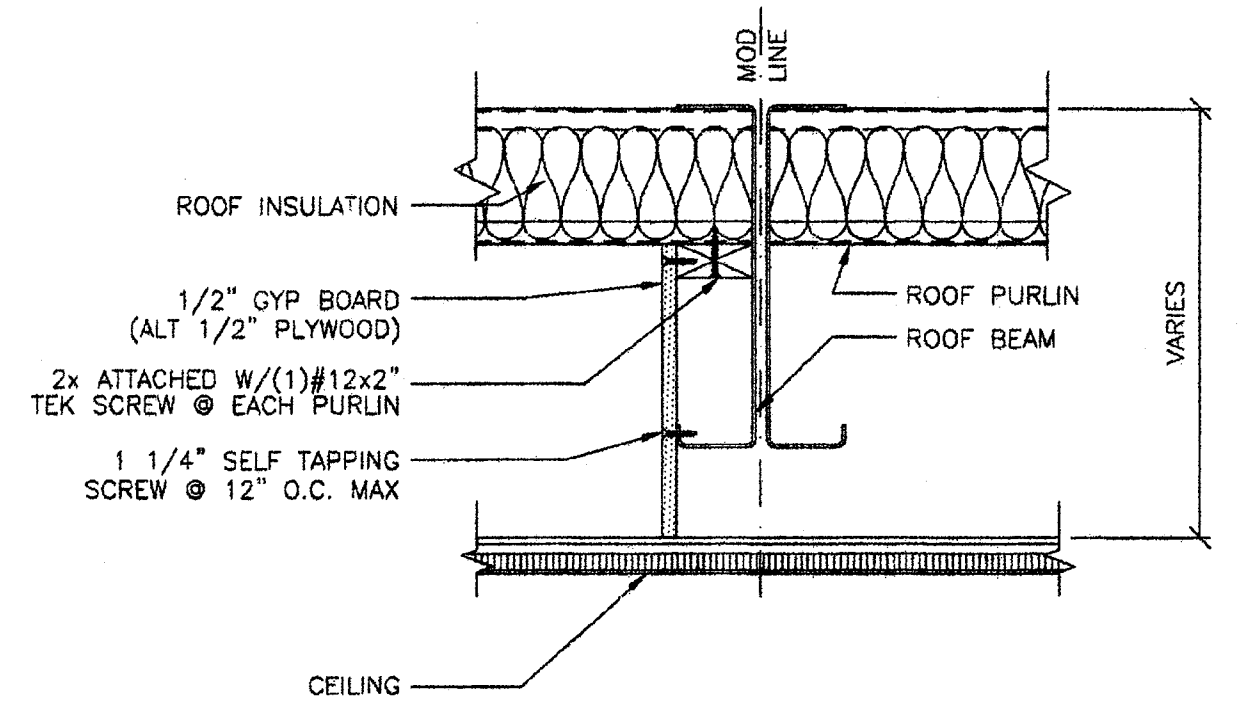
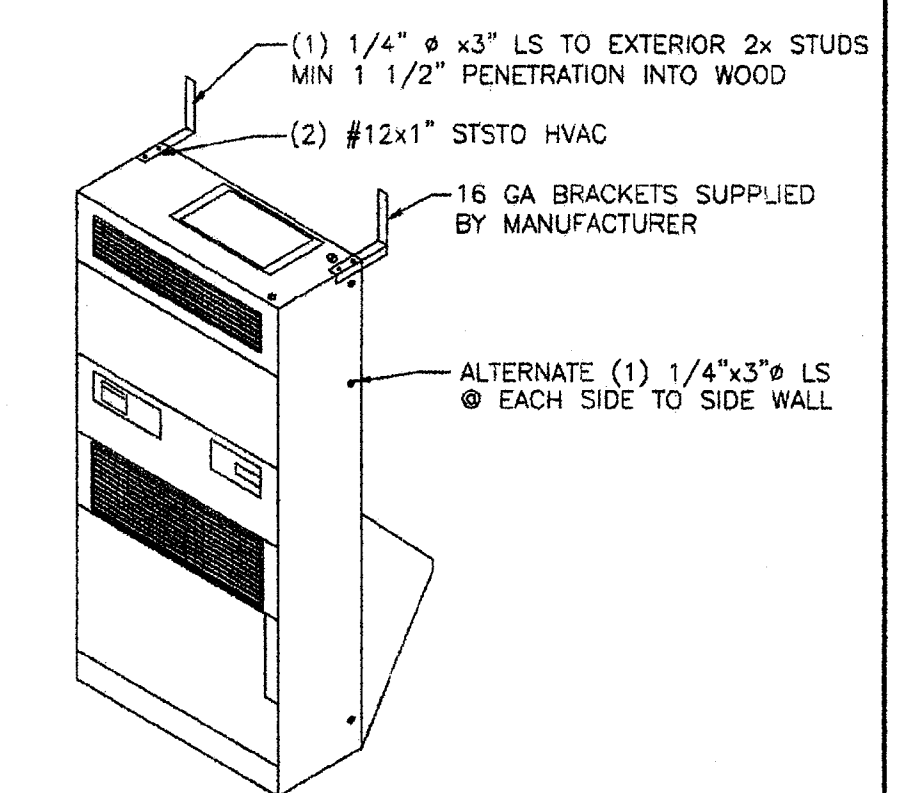
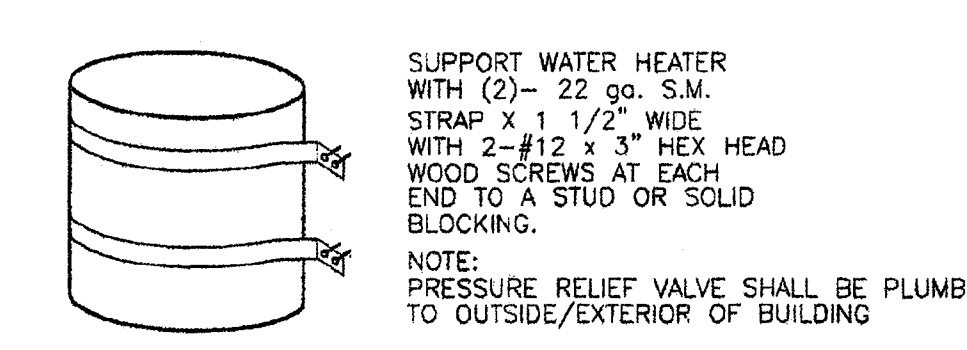
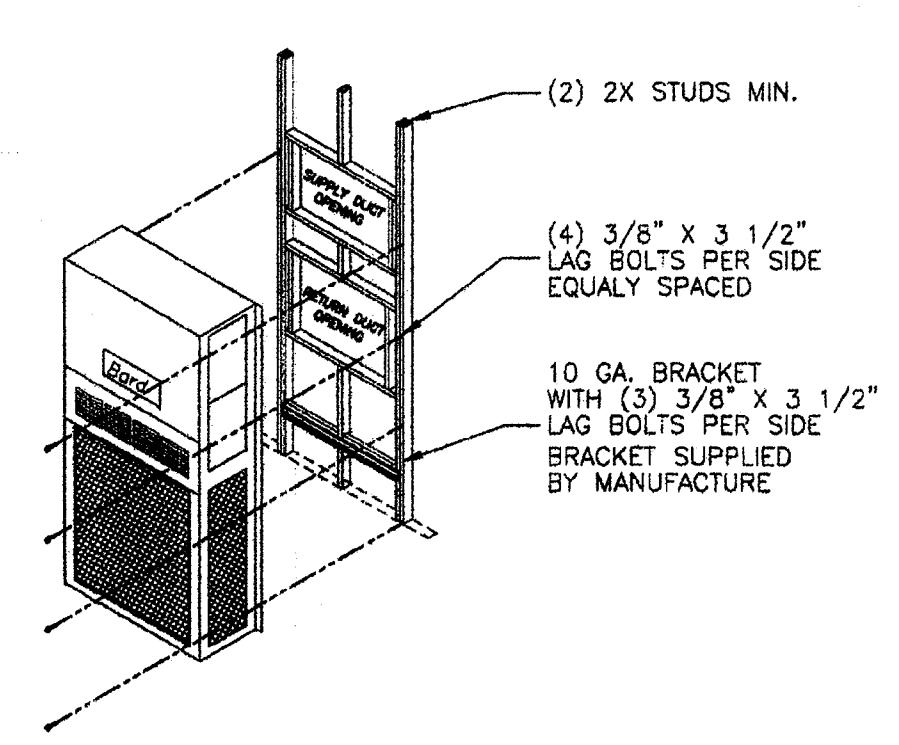
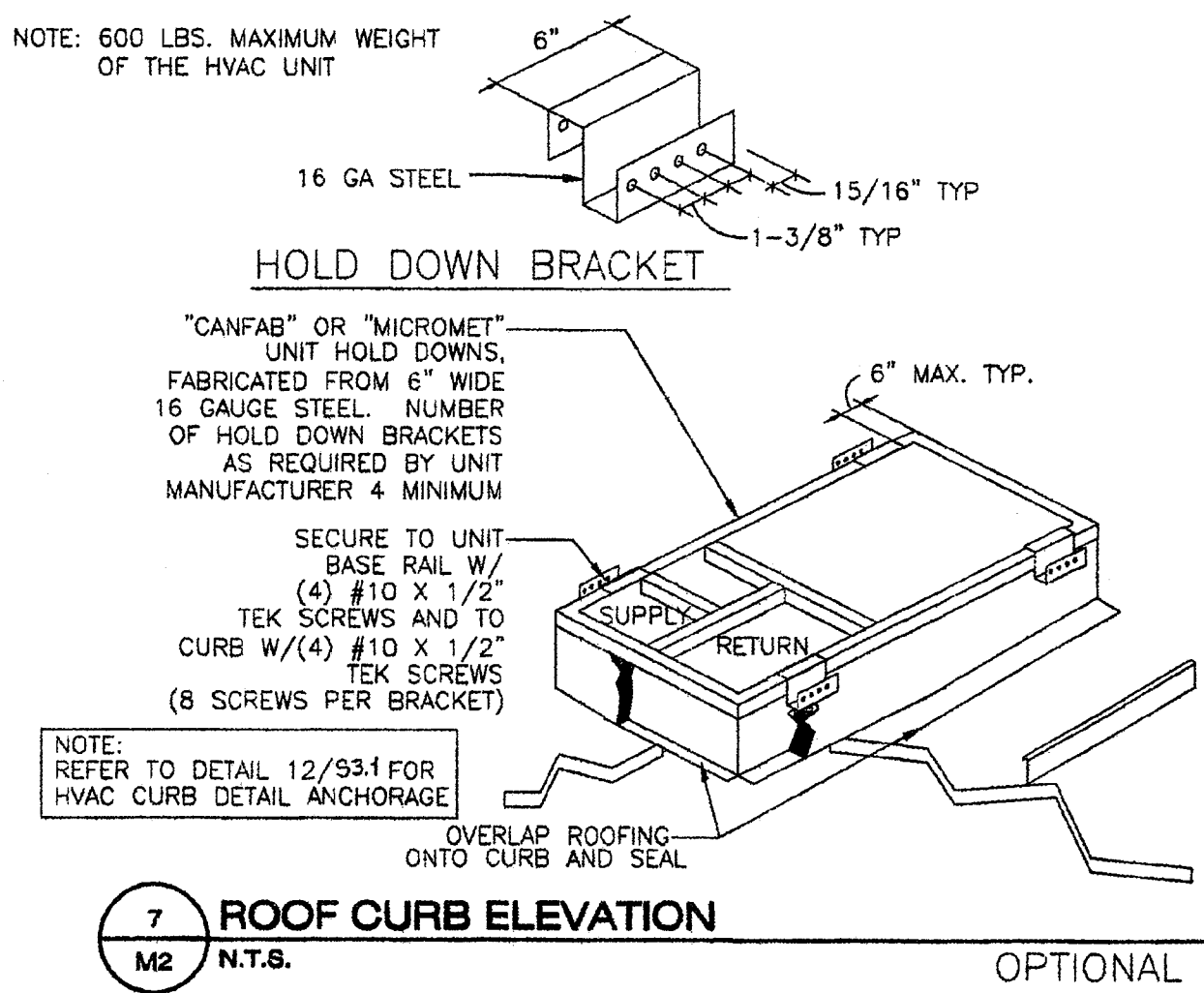
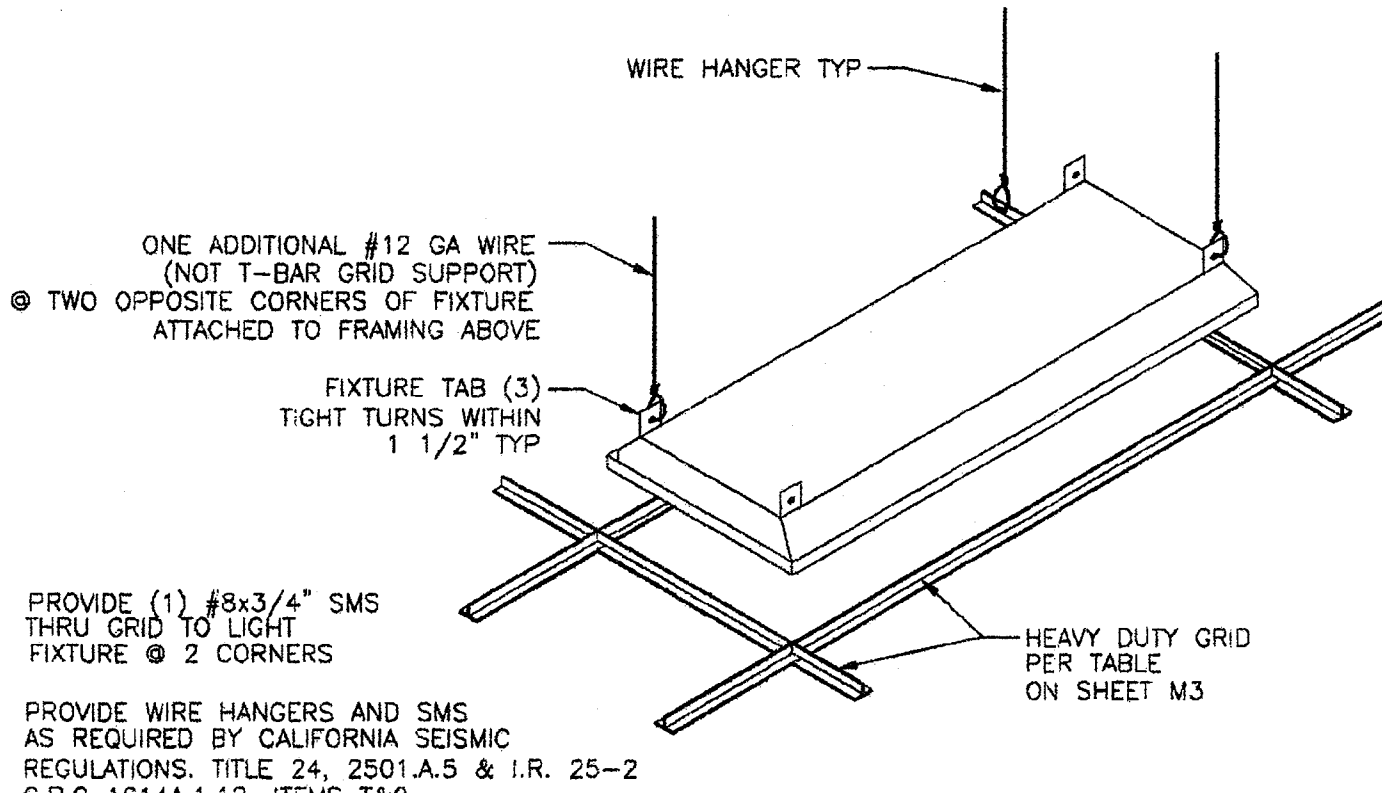
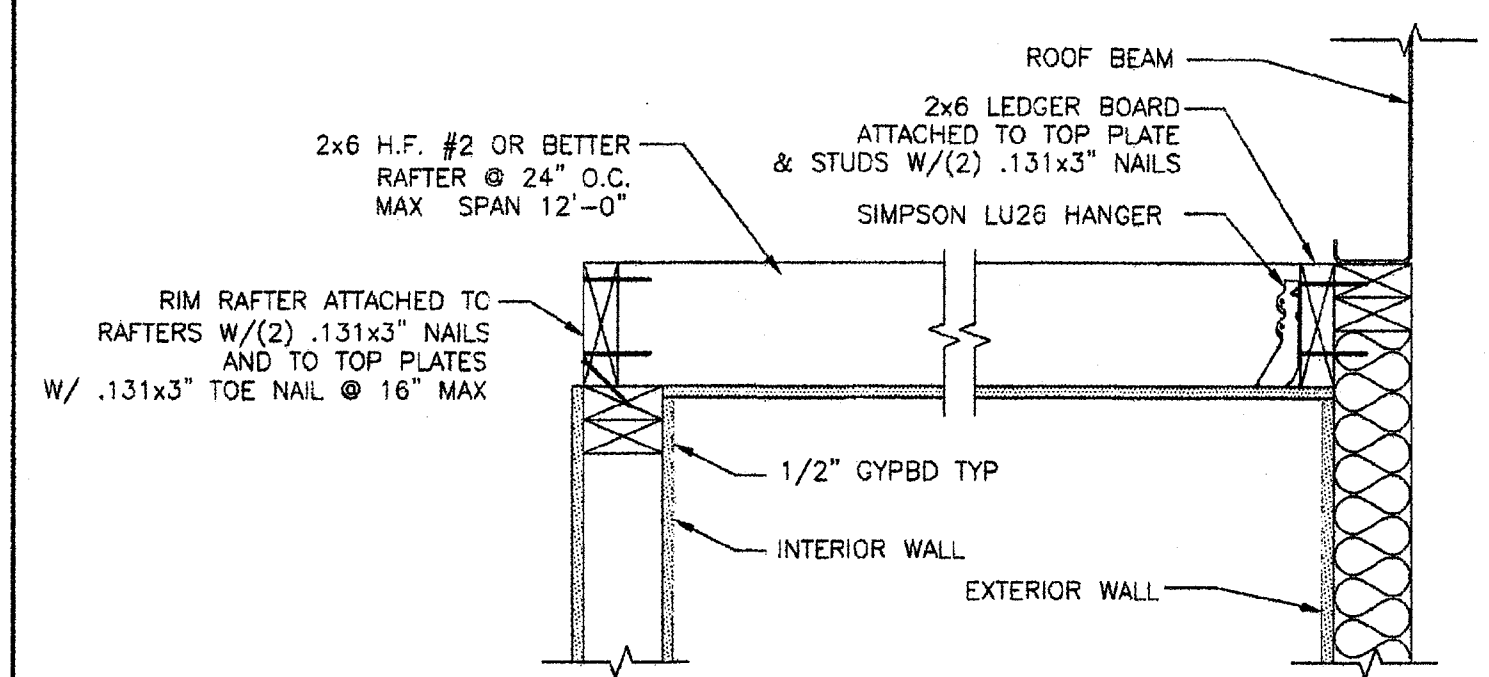
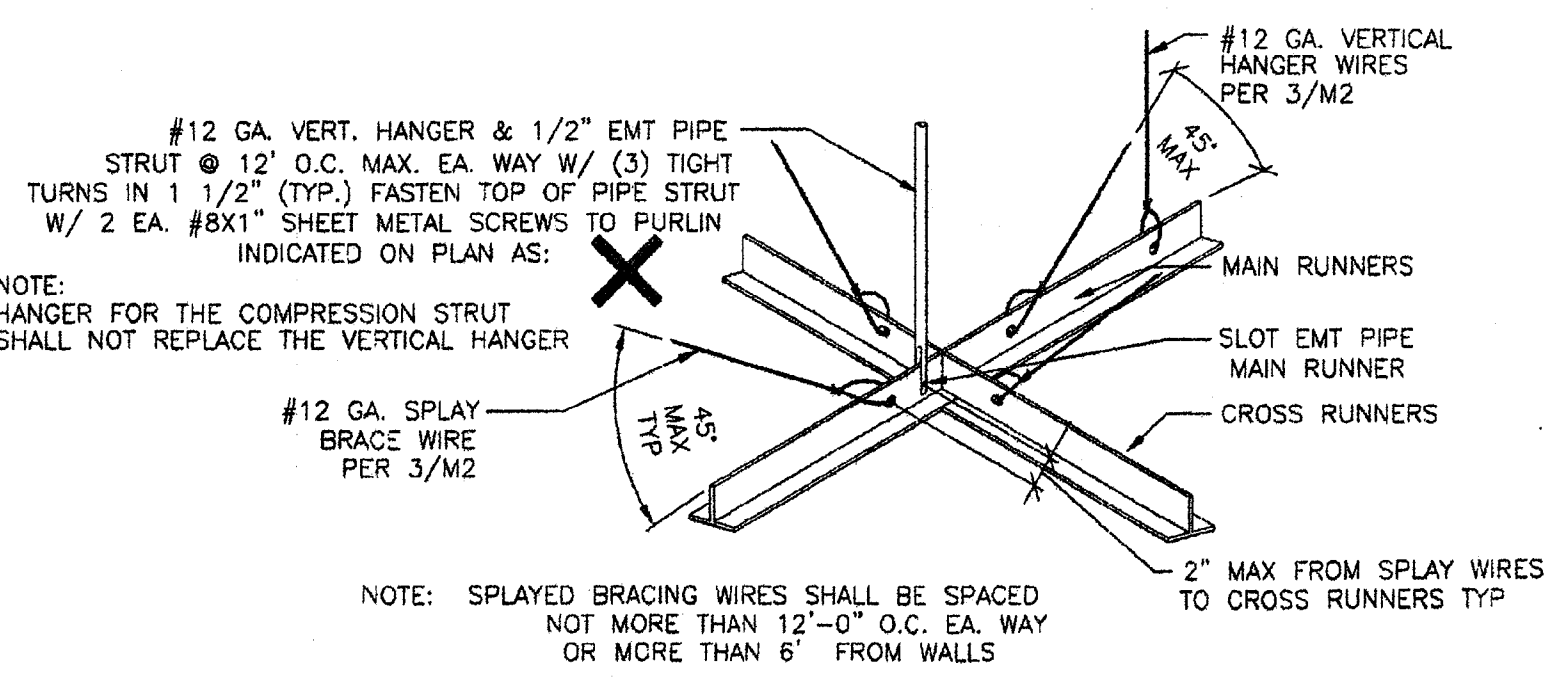
SLIP CONNECTION @ TEE W/ (2) #8x1" S.M.S. @ TOP AND (2) #8x1" S.M.S. @ BTM

TO BOTTOM/WEB OF JOIST OR RAFTER

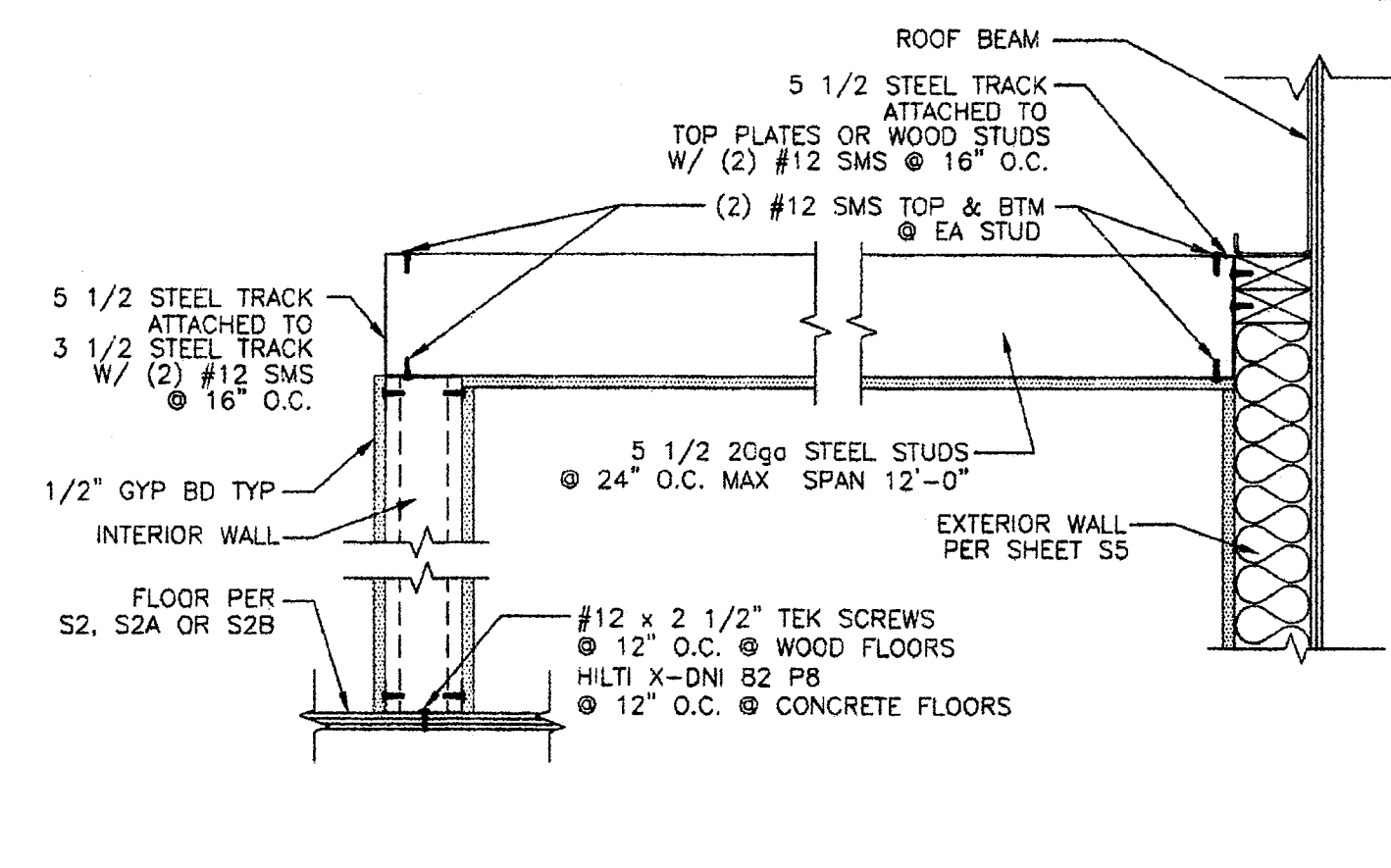
BENT 1/2" EMT PIPE STRUT WHERE OCCURS FASTEN W/ 1-#8x1" S.M.S.

TO BOTTOM OF JOIST OR RAFTER

ALTERNATE WIRE CONNECTIONS



-DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET (279 M) PER 717.4.3 EXCEPTIONS



REVISIONS		
NO	DATE	DESCRIPTION

DATE: 3/10/09

SCALE: NOTED

DRAWN BY: RL

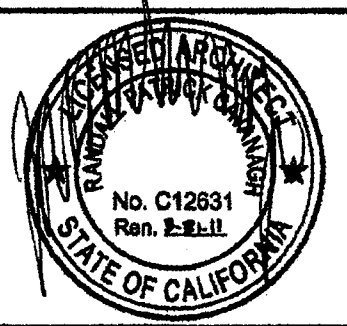
SERIAL NO.:

CUSTOMER:

2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS MECHANICAL BUILDING SECTION & CEILING DETAILS

**AMS**  
American Modular Systems Inc.  
787 Spradleys Ave. Marietta, GA 30066  
(609) 858-1921 Fax: (609) 858-7018  
americanmodular.com

APPROVALS:



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OFFICE OF REGULATION SERVICES

03 112884

PC 02-109701

AC: FLS SS 2/27  
DATE: 8-1-09

AC: FLS SS 2/27  
DATE: 6/19/09

PROJECT NO.  
PC

M2

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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 TEES, 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 SYSTEMS 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, 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, METALAIR, 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 #F92-371. 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
30' x 32'	1		
40' x 32'		1	
50' x 32'		2	
60' x 32'	2		
70' x 32'		2	
80' x 32'	3		
90' x 32'		3	
100' x 32'		3	
110' x 32'		3	
120' x 32'		3	

**REVISIONS**

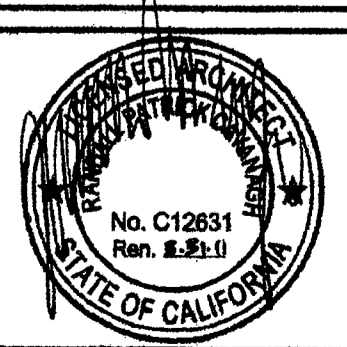
NO	DATE	DESCRIPTION

DATE: 3/10/09  
SCALE: NOTED  
DRAWN BY: RL  
SERIAL NO.:

CUSTOMER:  
**2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS  
CEILING & MECHANICAL NOTES**



APPROVALS:



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
03 112884  
AC: [Signature]  
DATE: 6-18-09

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-109701  
AC: [Signature]  
DATE: 6/10/09

PROJECT NO.  
PC  
**M3**

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- 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.

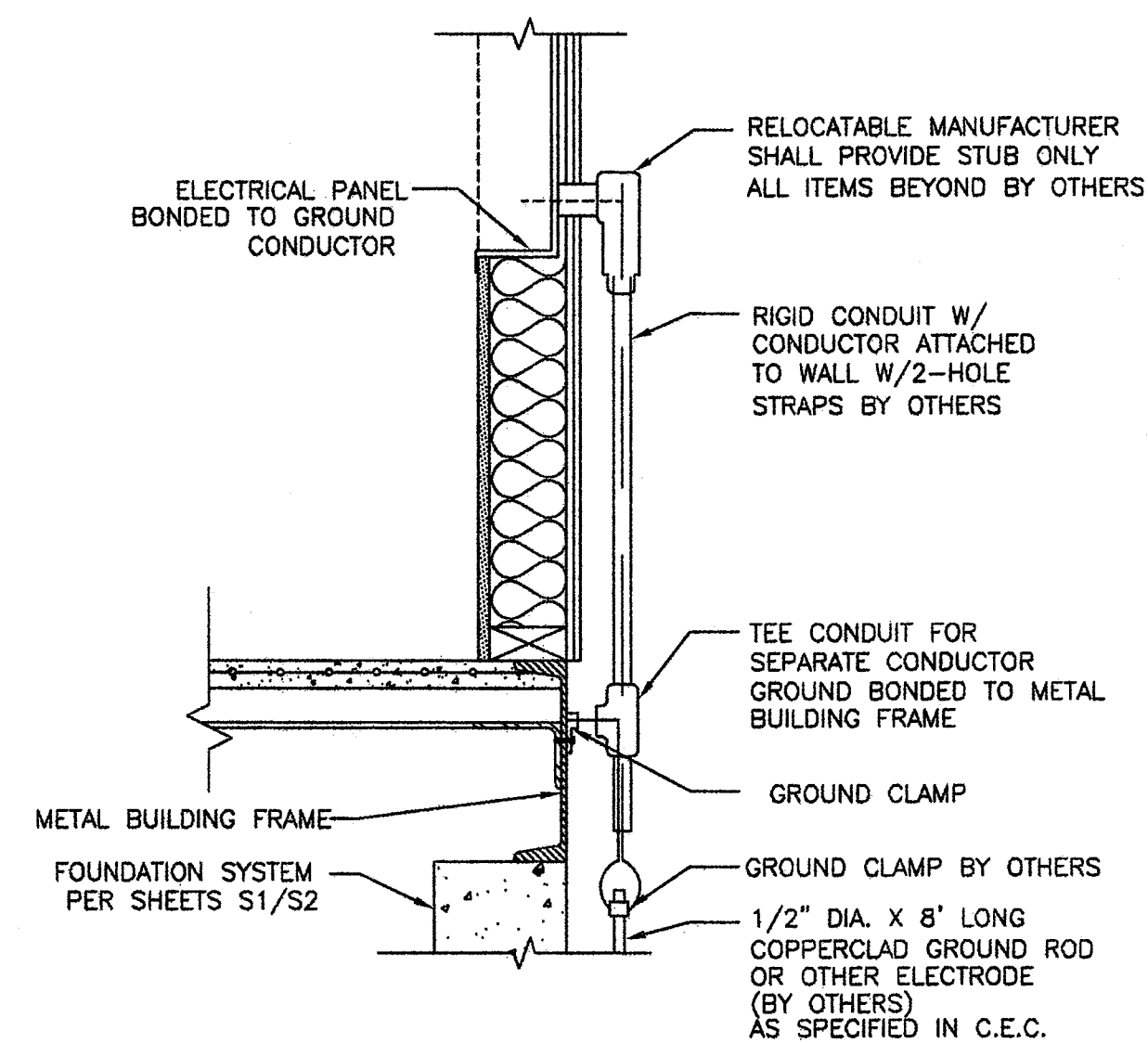
**FIXTURE NOTES:**

- 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.
  - 2X4 FLOURESCENT FIXTURES SHALL BE STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-12, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE .125 INCH.
  - FLOURESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
    - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
    - 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.

LOAD	WATTS		BRK.		CIR.		A		B		WATTS		LOAD
	A	B	AMP	PR	A	B	AMP	A	B	AMP	B		
RECEPTS	1440		20	1	1			2	2	35	3216		A/C HVAC UNIT
EXIT LIGHT / EXTERIOR LIGHTS		300	20	1	3			4		35		3216	A/C HVAC UNIT
INTERIOR LIGHTS	1440		20	1	5			6					
F.A.C.P.		*			7			8					
					9			10					
					11			12					
					13			14					
					15			16					
PHASE WATTAGE	2880	300			17			18			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		100 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



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 @ MDLINE. 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" x 1'-0"

BASED ON PC# 02-109701

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 07/02/09  
SCALE: NOTED  
DRAWN BY: MP  
SERIAL NO.:

CUSTOMER: BAKERSFIELD CITY SCHOOL DISTRICT  
FREMONT ELEMENTARY SCHOOL

2 1/2:12 PITCHED ROOF 30' x 32' RELOCATABLE BUILDINGS  
ELECTRICAL NOTES & DETAILS

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

APPROVALS:

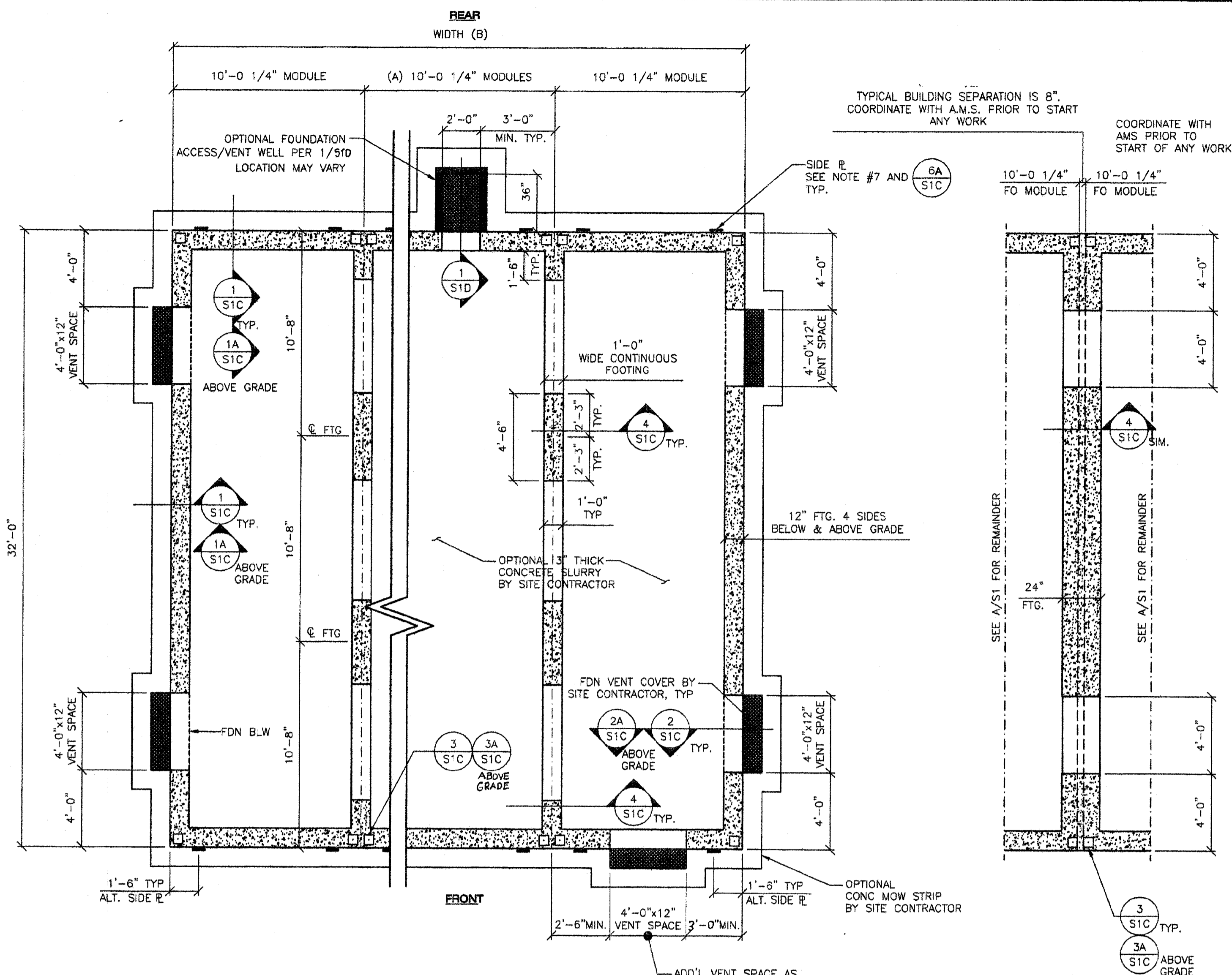
STATE OF CALIFORNIA  
No. C12631  
Ren. 2/21/11

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
08 112884  
AC: [Signature] FLS: [Signature] SS: [Signature]  
DATE: 8-18-09

PROJECT No.  
PC

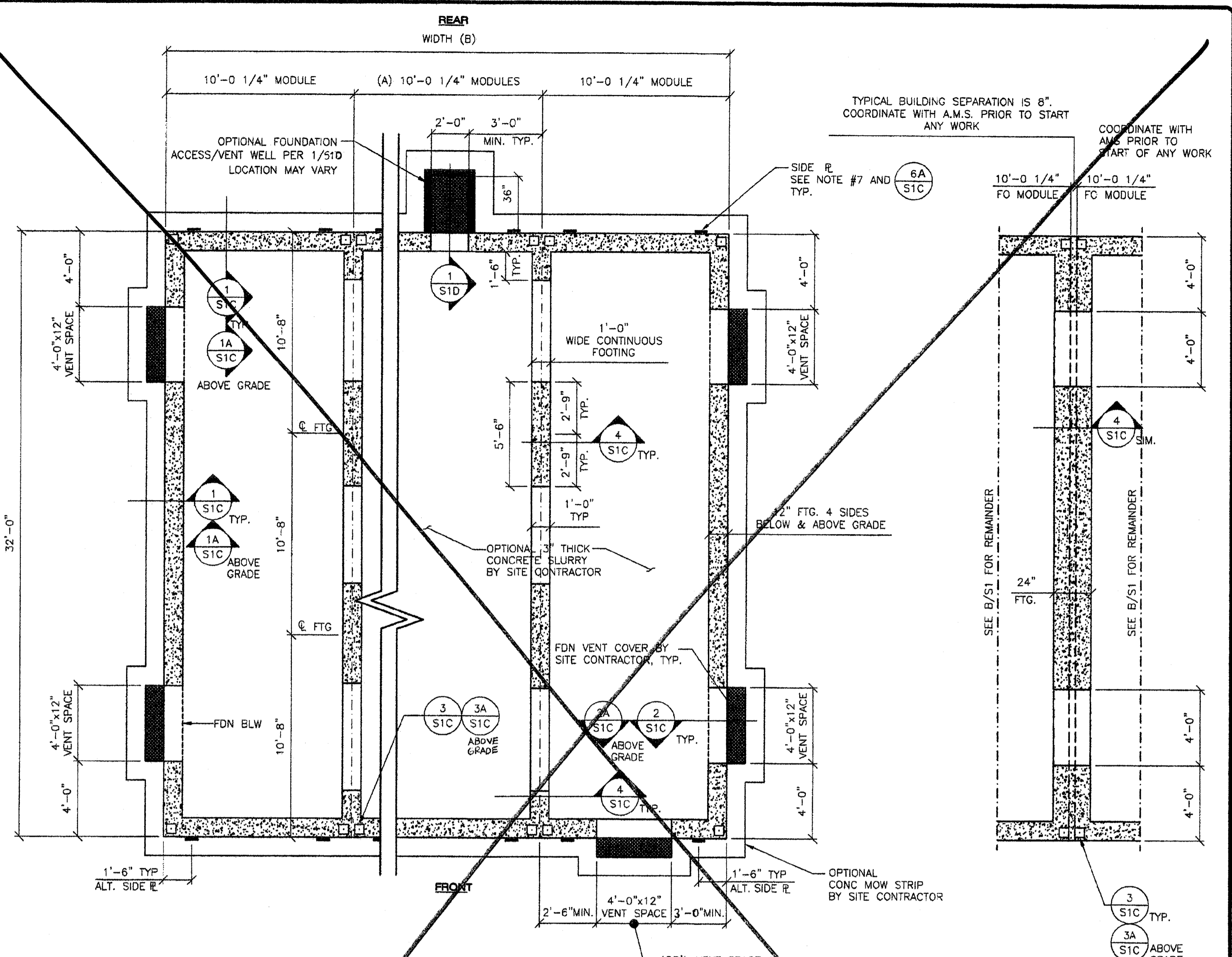
E2

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**A FOUNDATION PLAN (PLYWOOD OR VIROC FLOOR)**  
S1 1/4"-1'-0" (60 PSF LIVE LOAD)

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



**B FOUNDATION PLAN (PLYWOOD OR VIROC FLOOR)**  
S1 1/4"-1'-0" (60 PSF LIVE LOAD/15 PSF PARTITION LOAD)

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

MODULE SCHEDULE								
BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT <sup>2</sup> )	"C" MIN. TOTAL # 4'x12" VENTS REQ'D	VENT AREA REQ'D (FT <sup>2</sup> )	VENT AREA PROVIDED (FT <sup>2</sup> )	"D" TOTAL # OF TYPICAL SHEAR PLATES
30x32	3	1	30'-3/4"	960	4	6.4	16.0	12
40x32	4	2	40'-1/4"	1280	5	8.5	16.0	16
50x32	5	3	50'-1/4"	1600	6	10.7	16.0	20
60x32	6	4	60'-1/2"	1920	7	12.9	16.0	24
70x32	7	5	70'-1/2"	2240	8	14.0	16.0	28
80x32	8	6	80'-2"	2560	9	17.1	20.0	32
90x32	9	7	90'-2 1/4"	2880	10	19.2	20.0	36
100x32	10	8	100'-2 1/2"	3200	11	21.3	24.0	40
110x32	11	9	110'-2 3/4"	3520	12	23.5	24.0	44
120x32	12	10	120'-3"	3840	13	25.6	28.0	48

MODULE SCHEDULE								
BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT <sup>2</sup> )	"C" MIN. TOTAL # 4'x12" VENTS REQ'D	VENT AREA REQ'D (FT <sup>2</sup> )	VENT AREA PROVIDED (FT <sup>2</sup> )	"D" TOTAL # OF TYPICAL SHEAR PLATES
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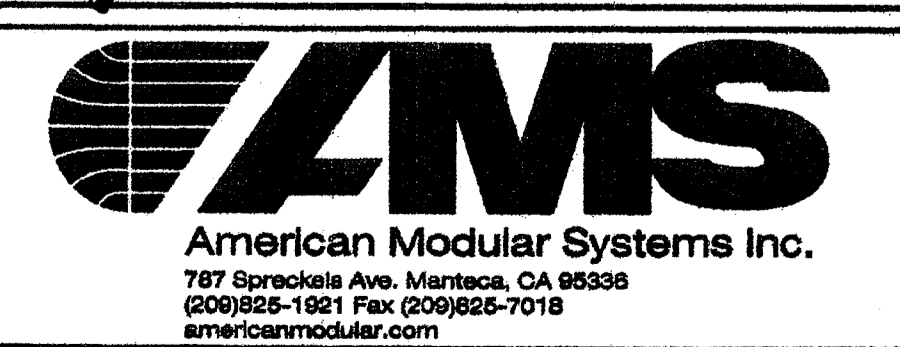
- NOTES:**
- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
  - ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
  - THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1916A.2 IF CONCRETE WITH A COMPRESSIVE 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.

- 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.

REVISIONS		
NO	DATE	DESCRIPTION

DATE: \_\_\_\_\_  
SCALE: NOTED  
DRAWN BY: D.M  
SERIAL NO.: \_\_\_\_\_

CUSTOMER:  
**2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS CONCRETE FOUNDATION PLANS 50 P.S.F LIVE LOAD & 50 P.S.F. LIVE LOAD+15 P.S.F. PART. LOAD FLOOR**



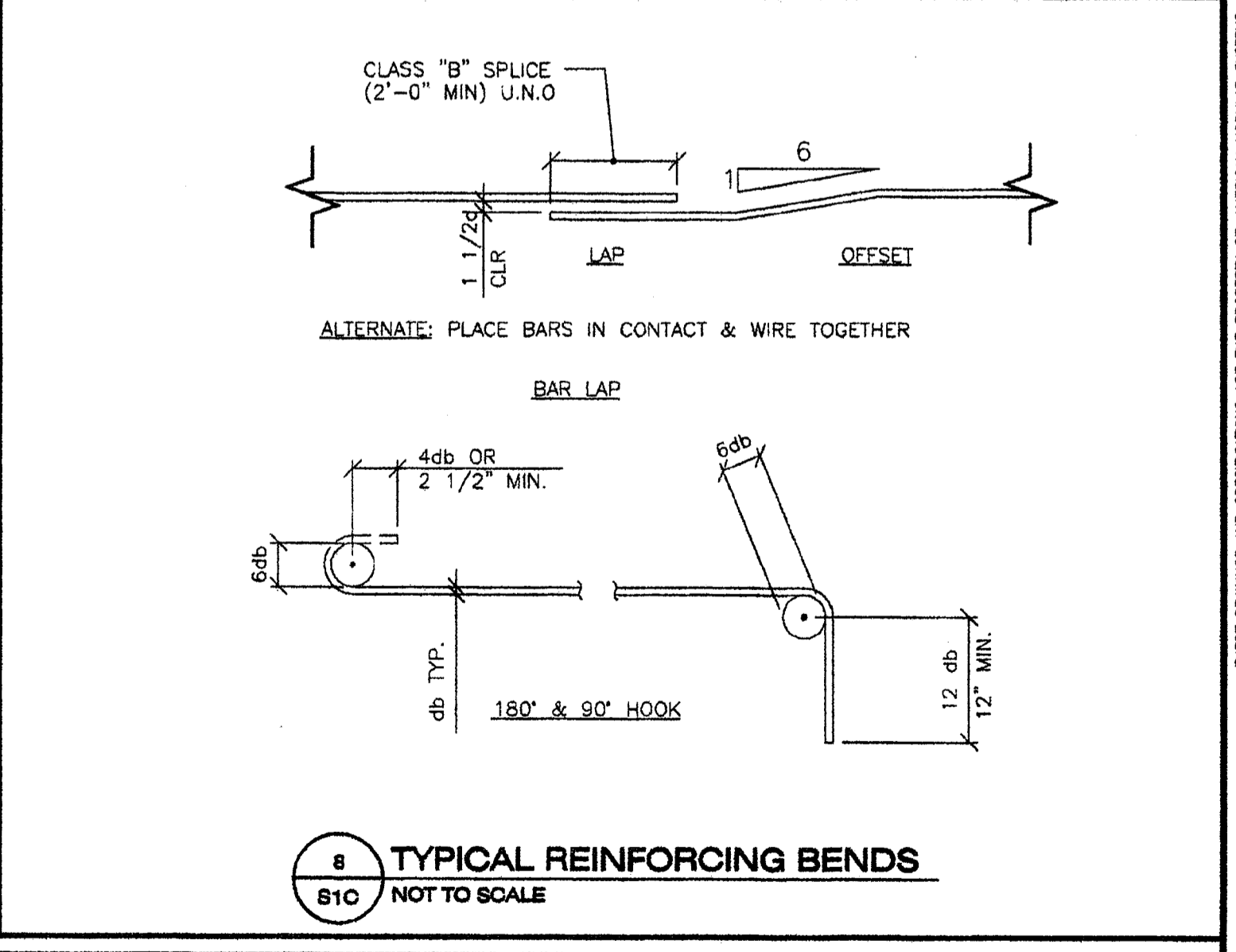
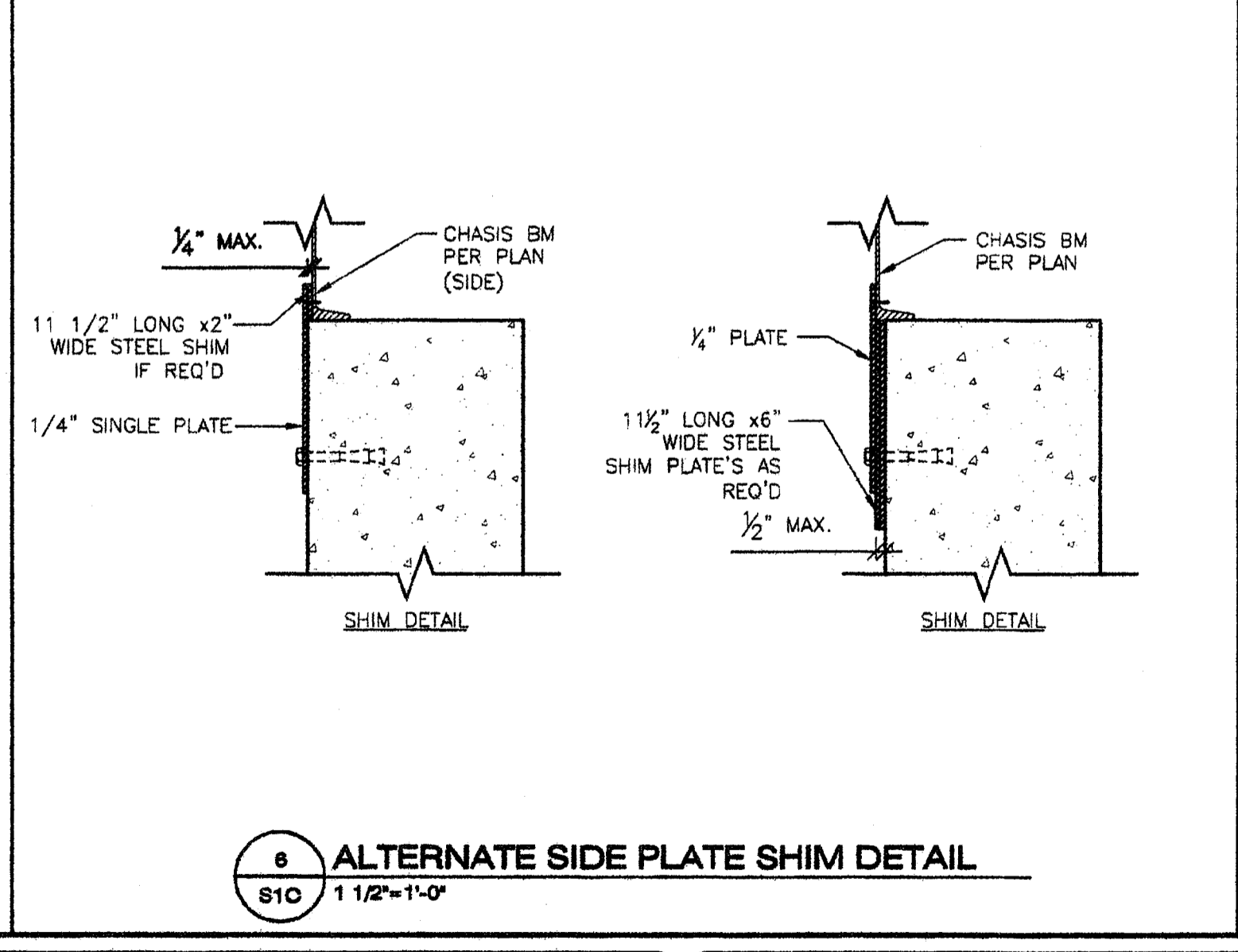
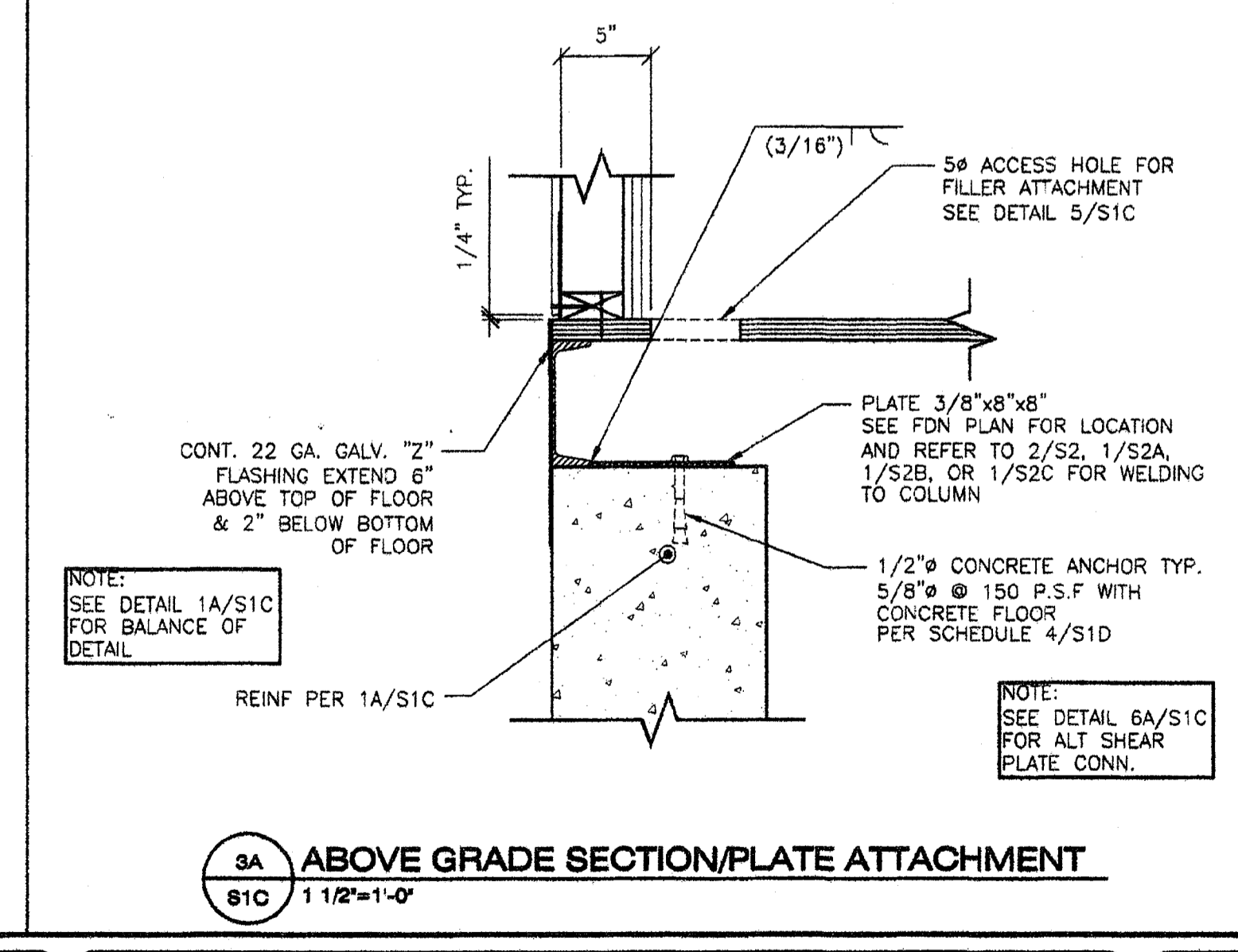
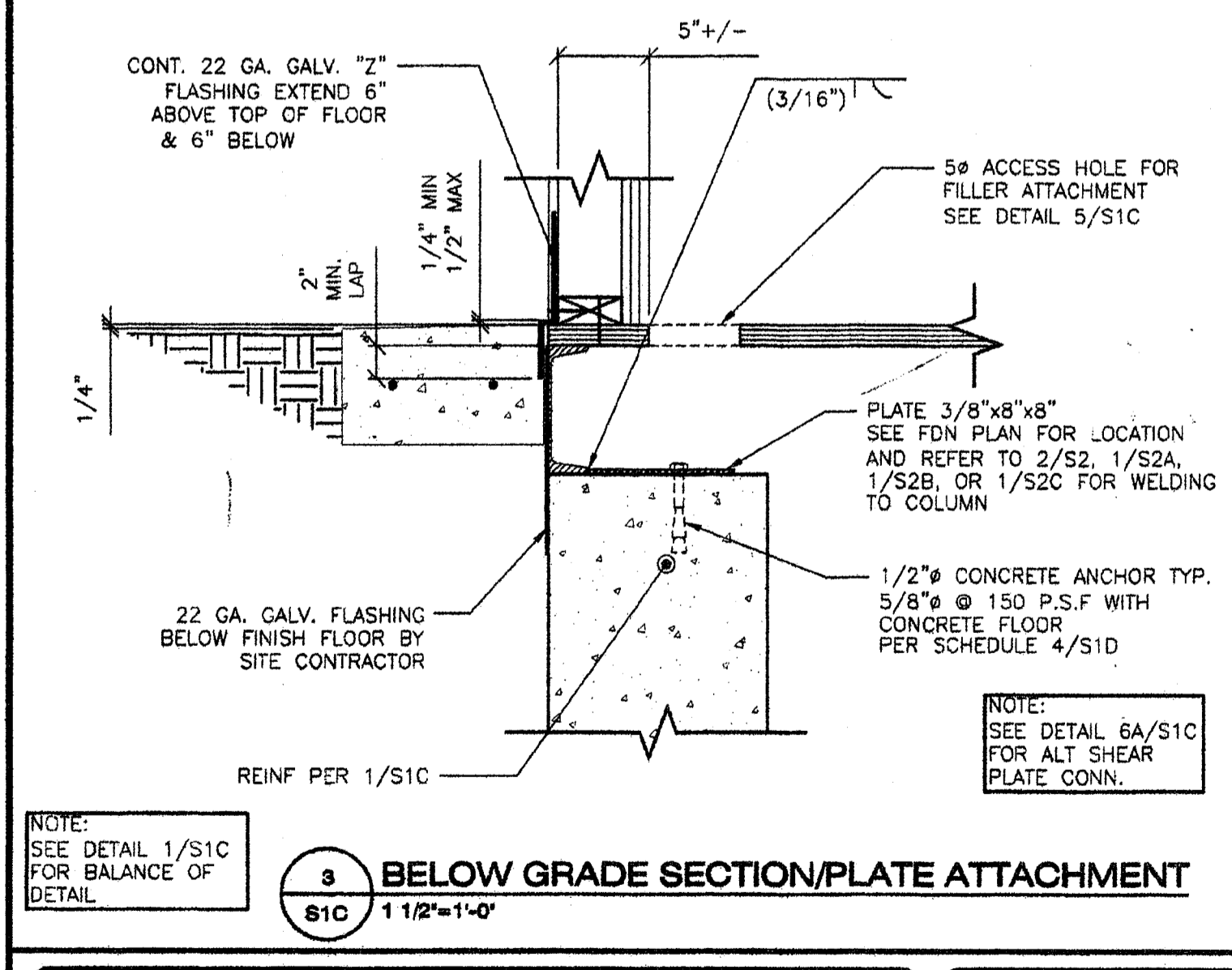
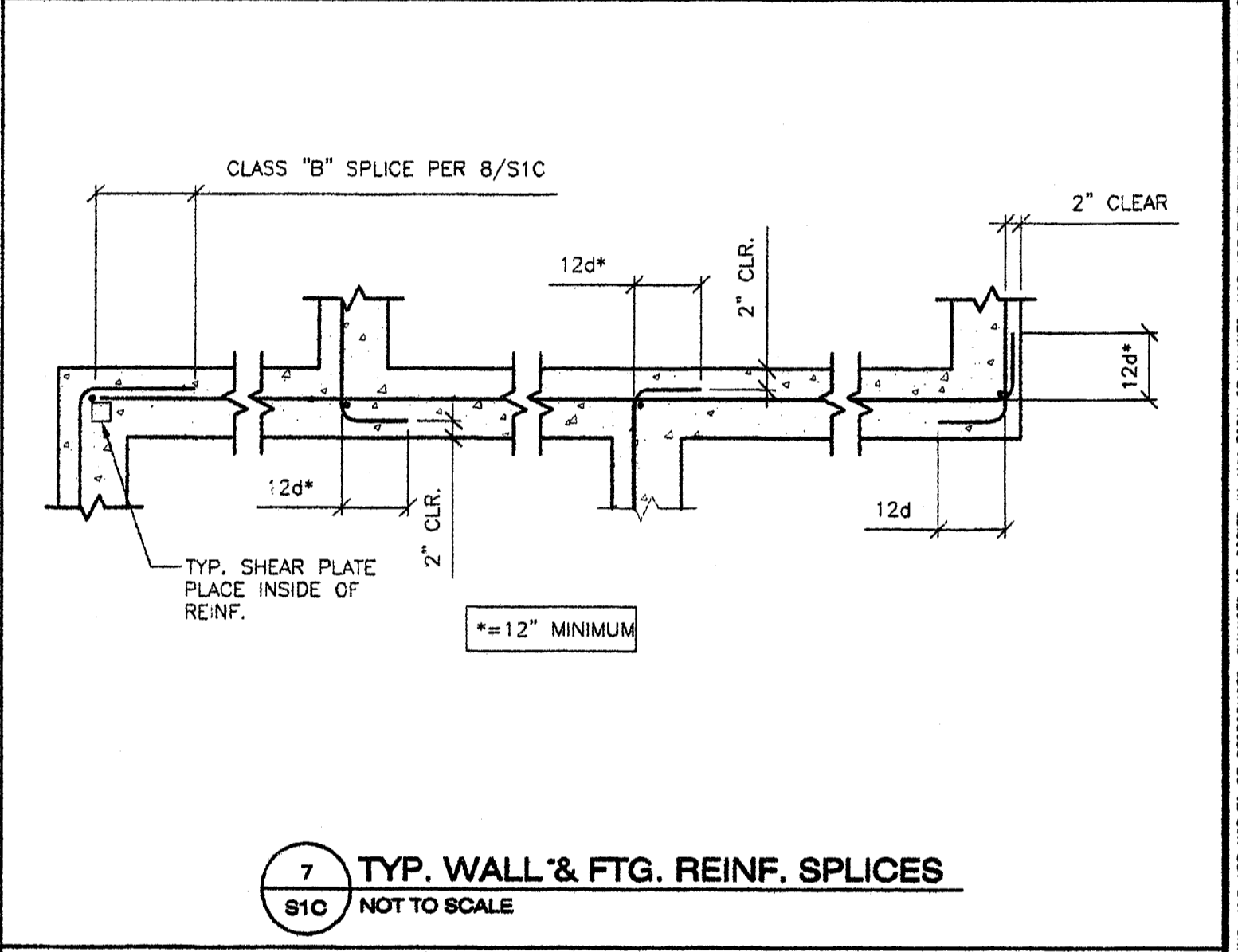
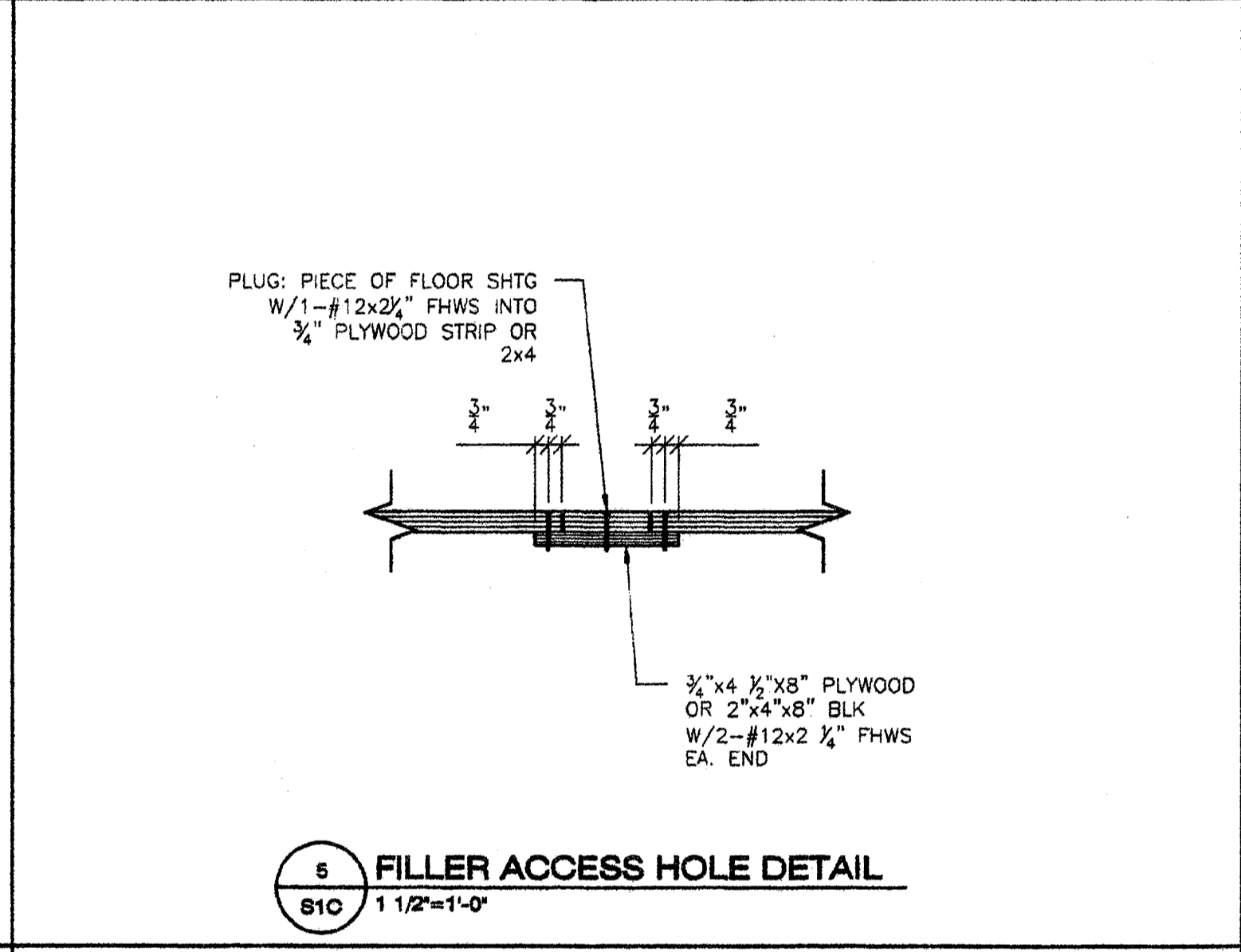
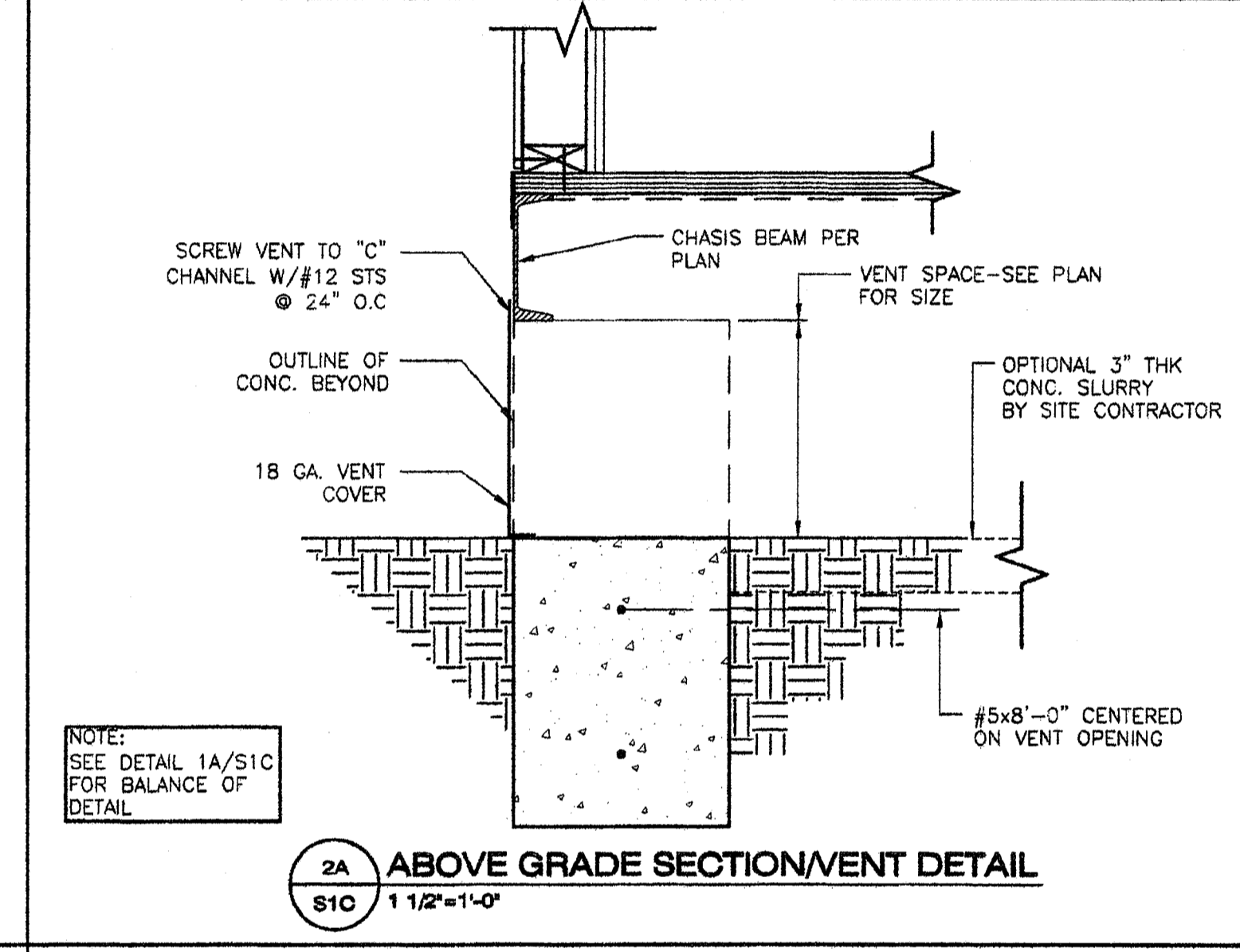
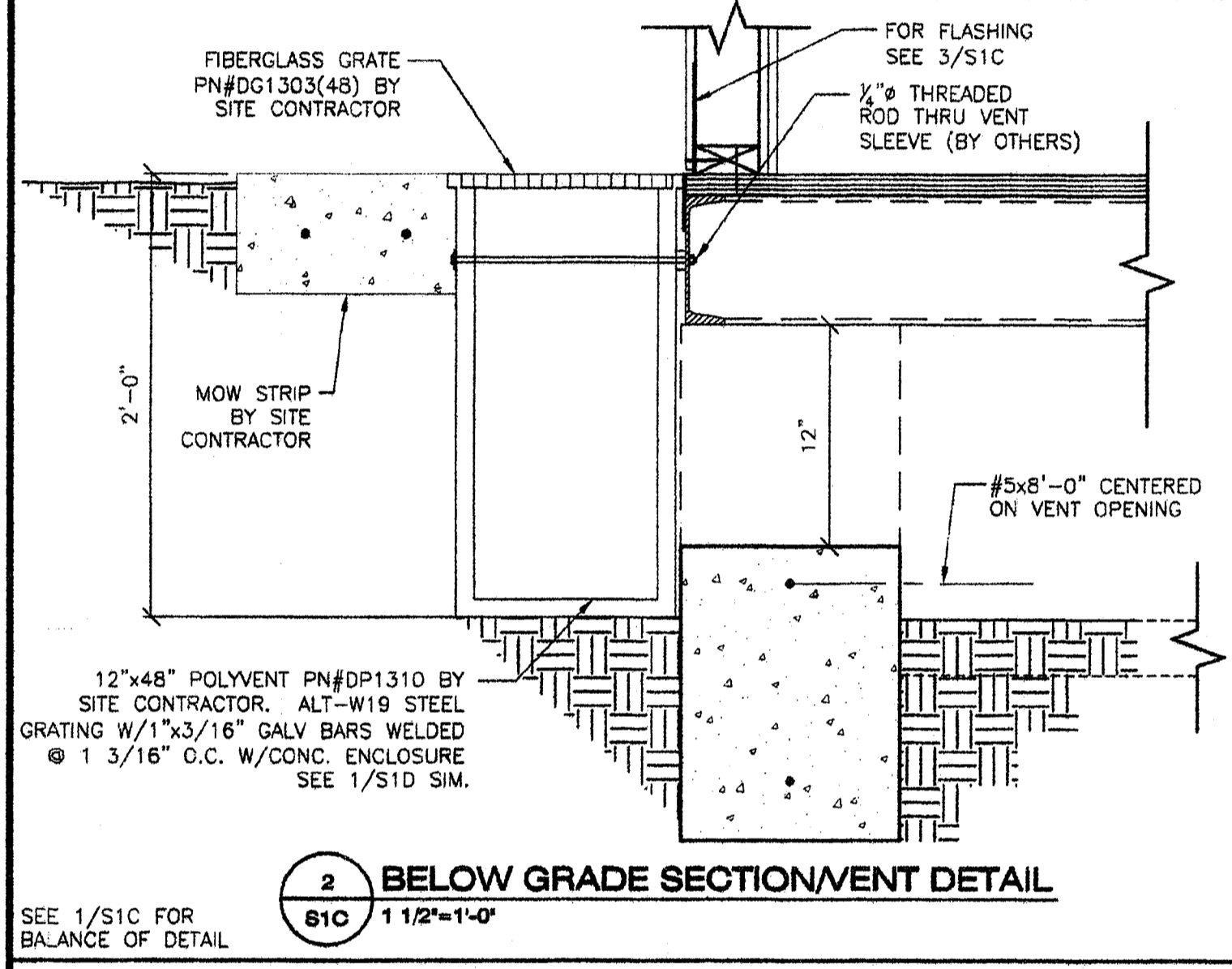
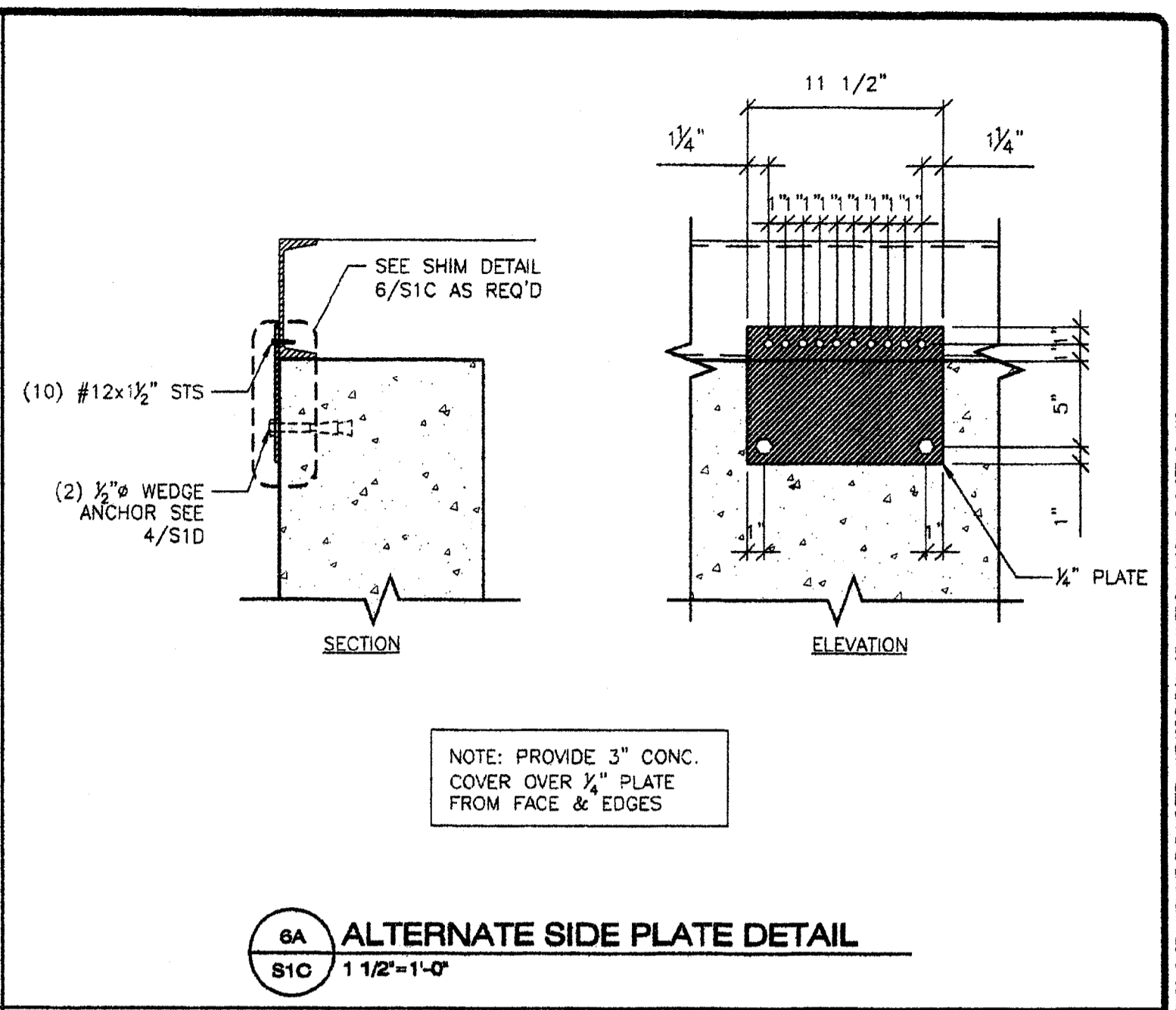
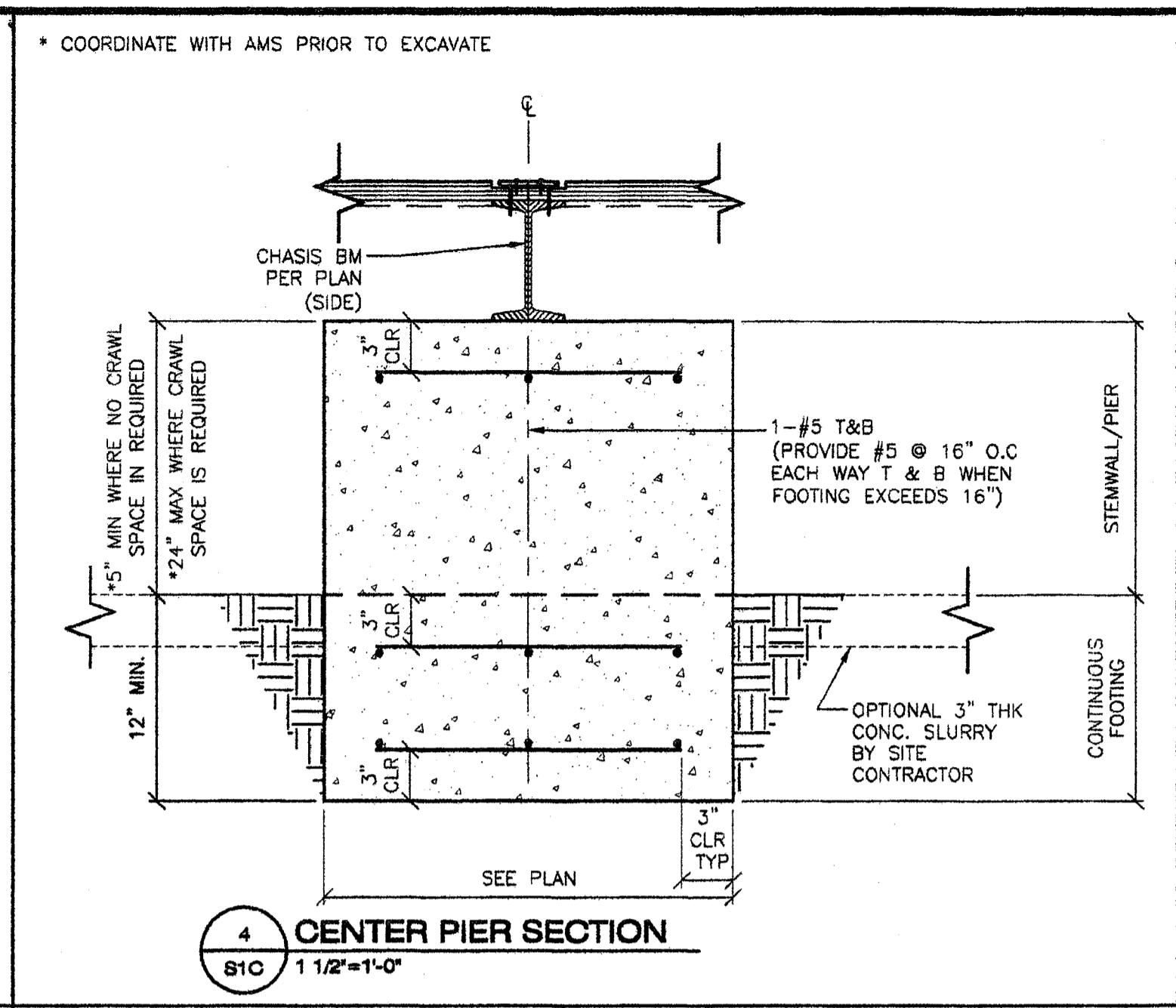
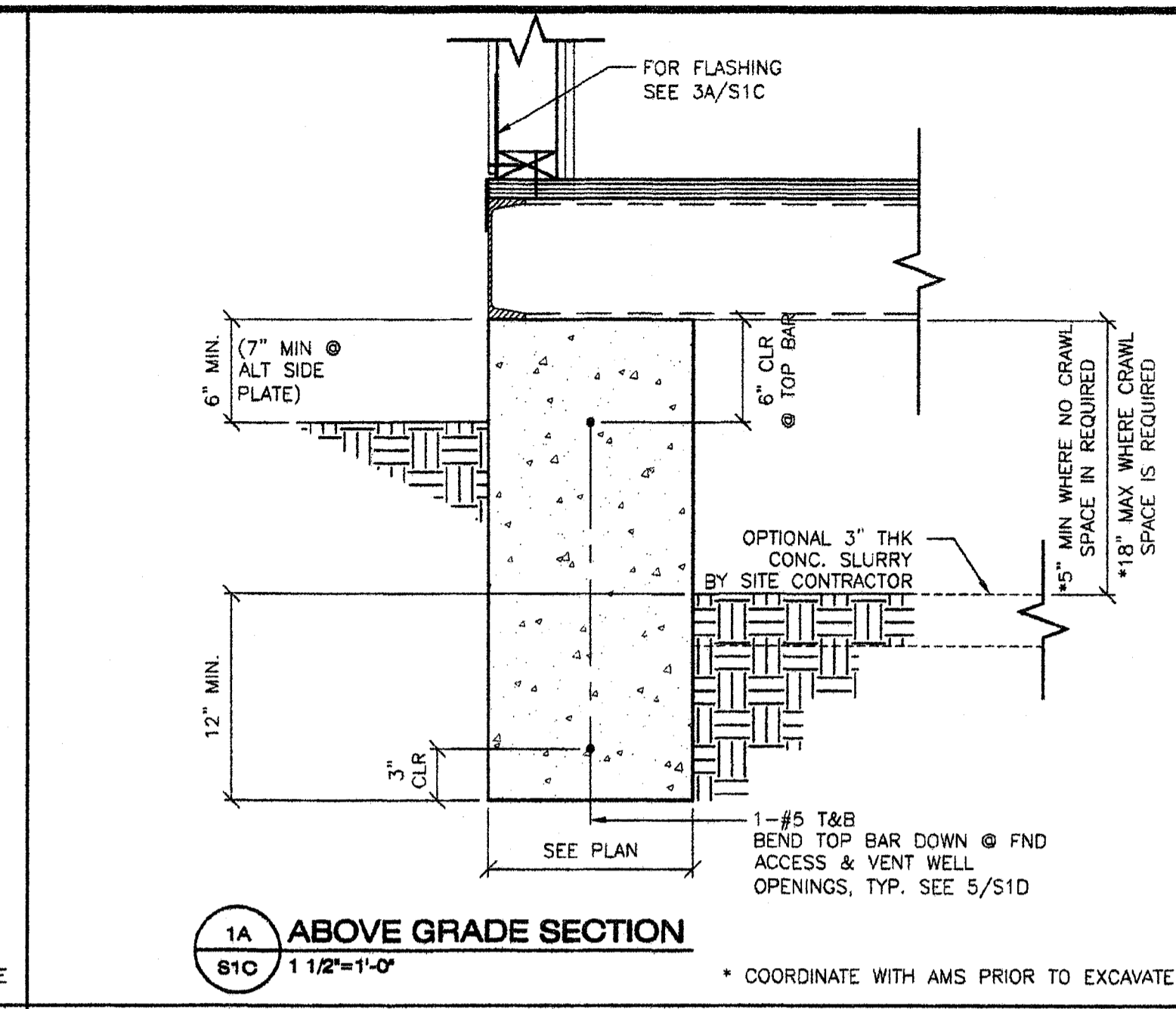
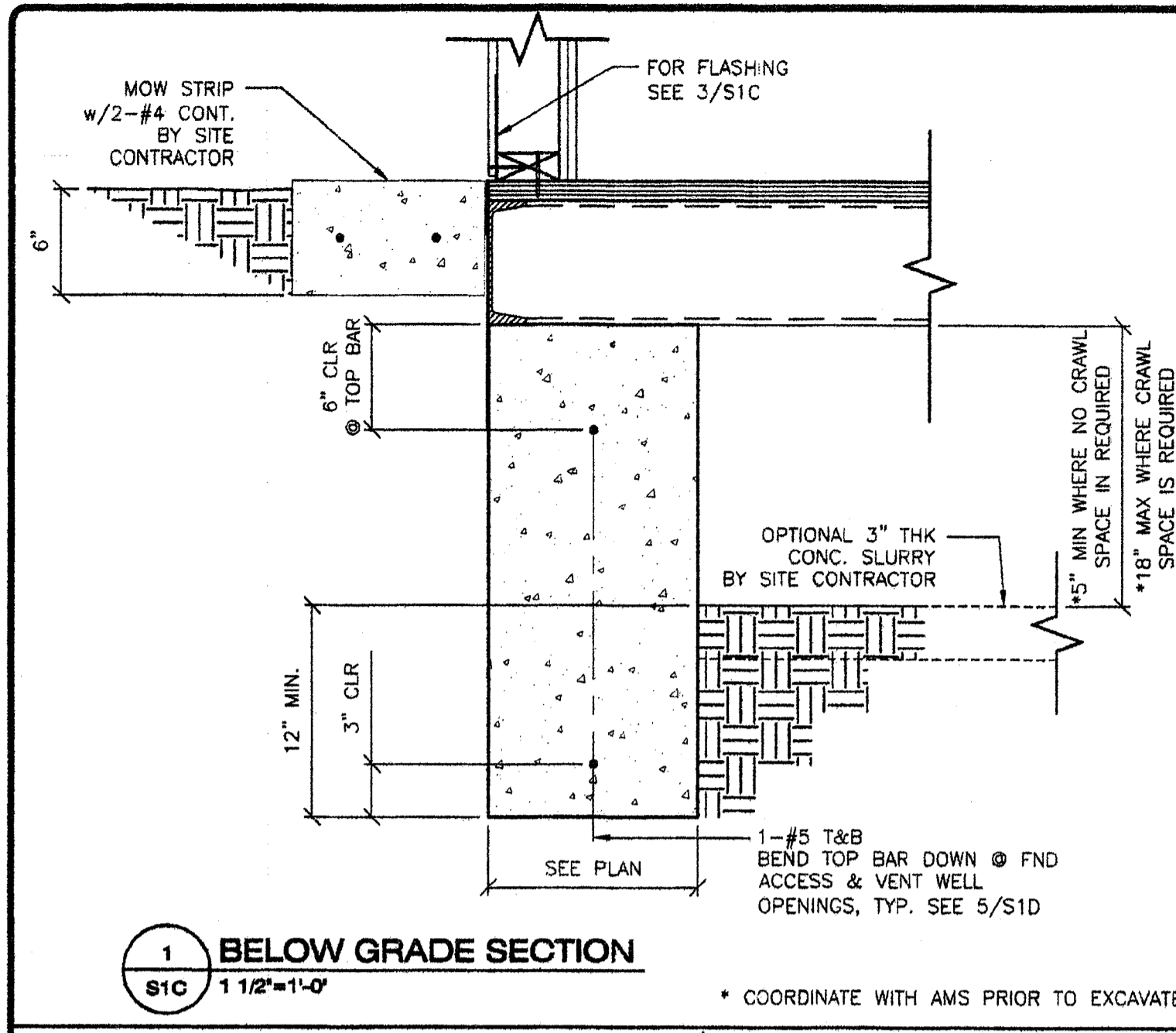
APPROVALS:  
Kenneth A. Luttrell  
No. 4418  
Exp. 3-31-11  
Structural Engineer  
STATE OF CALIFORNIA

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
02 112884  
AC: FLS SS  
DATE: 6-18-09

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-109701  
AC: FLS SS  
DATE: 6/19/09  
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REVISIONS

NO.	DATE	DESCRIPTION

DATE: 04/27/09

SCALE: NOTED

DRAWN BY: D.M

SERIAL NO.:

CUSTOMER:

2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS CONCRETE FOOTING DETAILS



APPROVALS:

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

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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

03 112884

AC FLS SS  
DATE 8/28/09

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

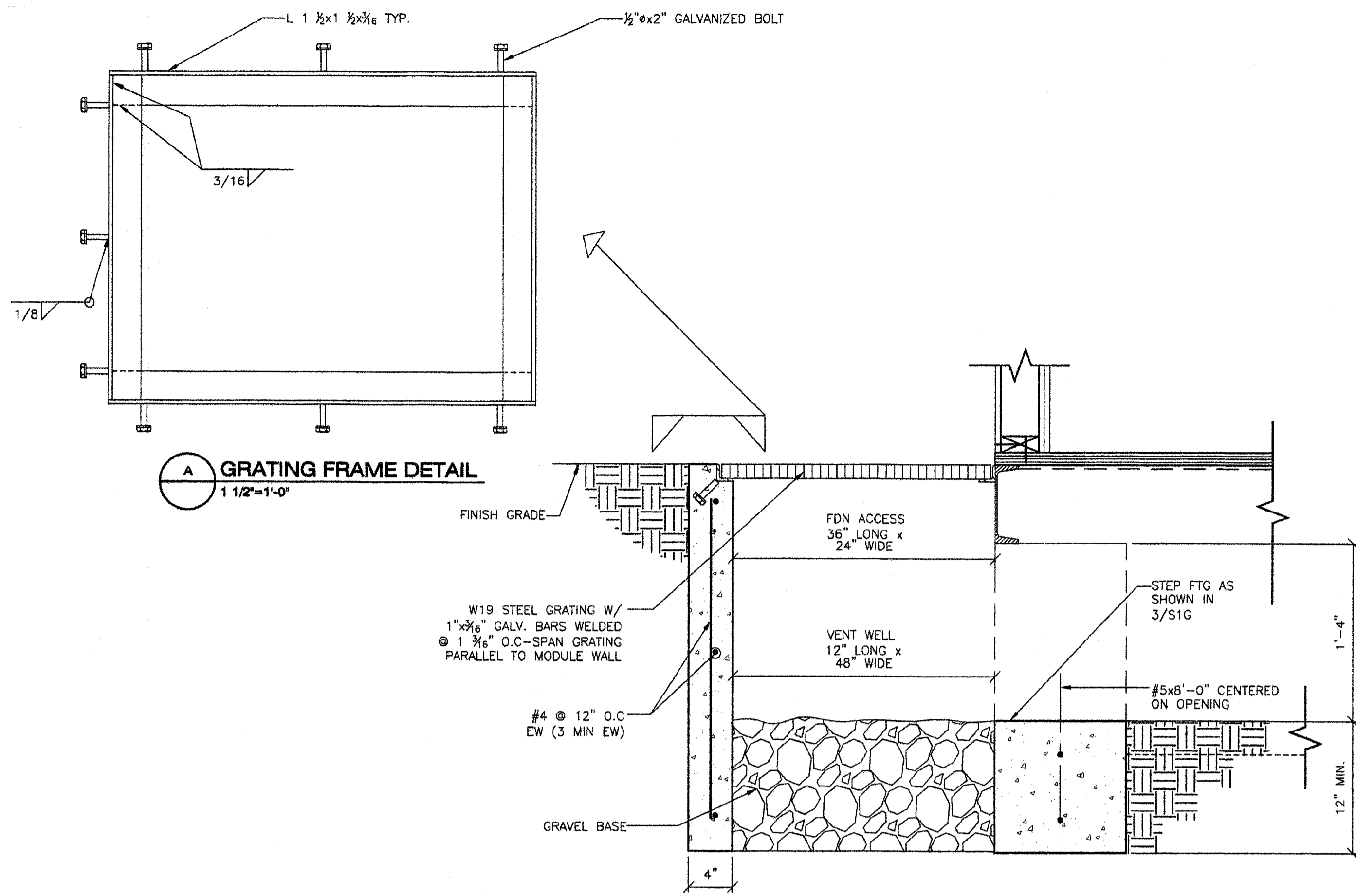
PC 02-109701

AC FLS SS  
DATE 6/19/09

PROJECT No.

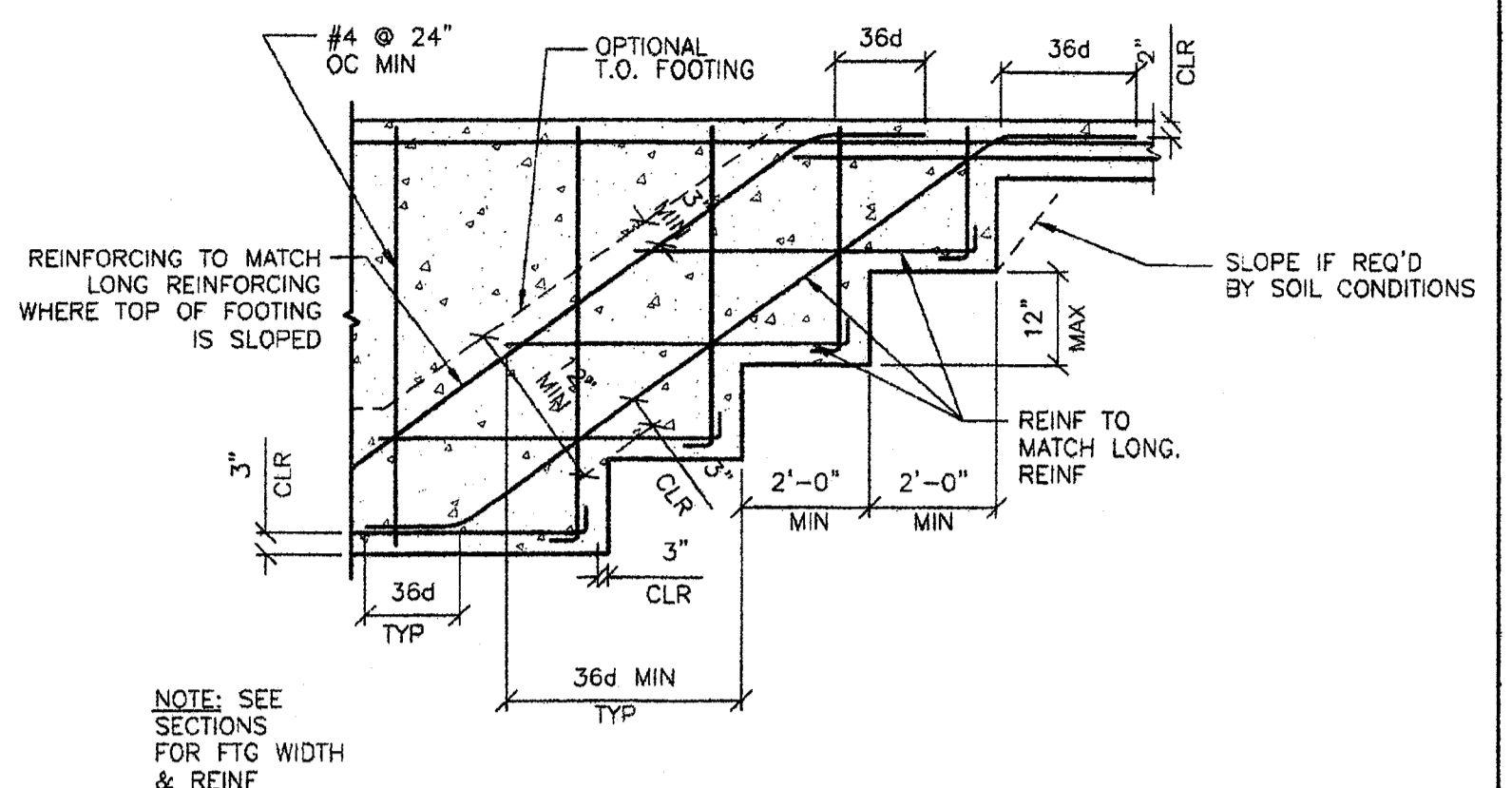
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**A GRATING FRAME DETAIL**  
1 1/2" x 1'-0"

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



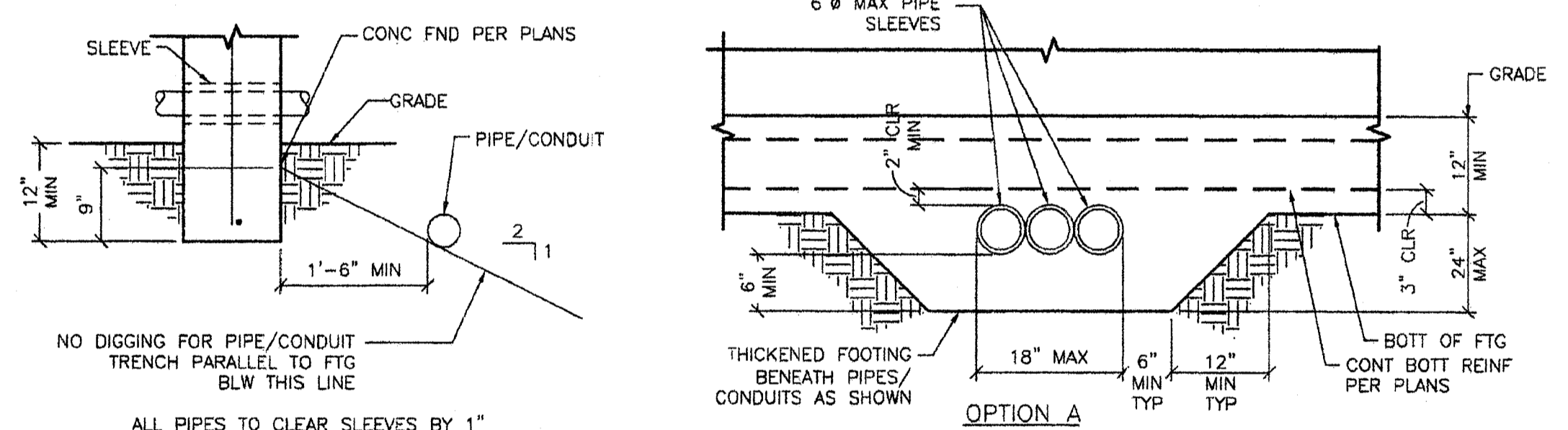
**3 TYPICAL STEPPED FOOTING**  
S1D N.T.S.

ANCHOR TYPE	HILTI KWIK KB-TZ ICC ESR-1917			SIMPSON STRONG-BOLT ICC ESR-1771		
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#	7395#	7456#	3826#	6379#	5150#
TENSION TEST LBS (DOUBLE BOLT)	5121#	6174#	5889#	3826#	5102#	4122#
INSTALLATION TORQUE (FT-LB)	40	60	110	50	85	180

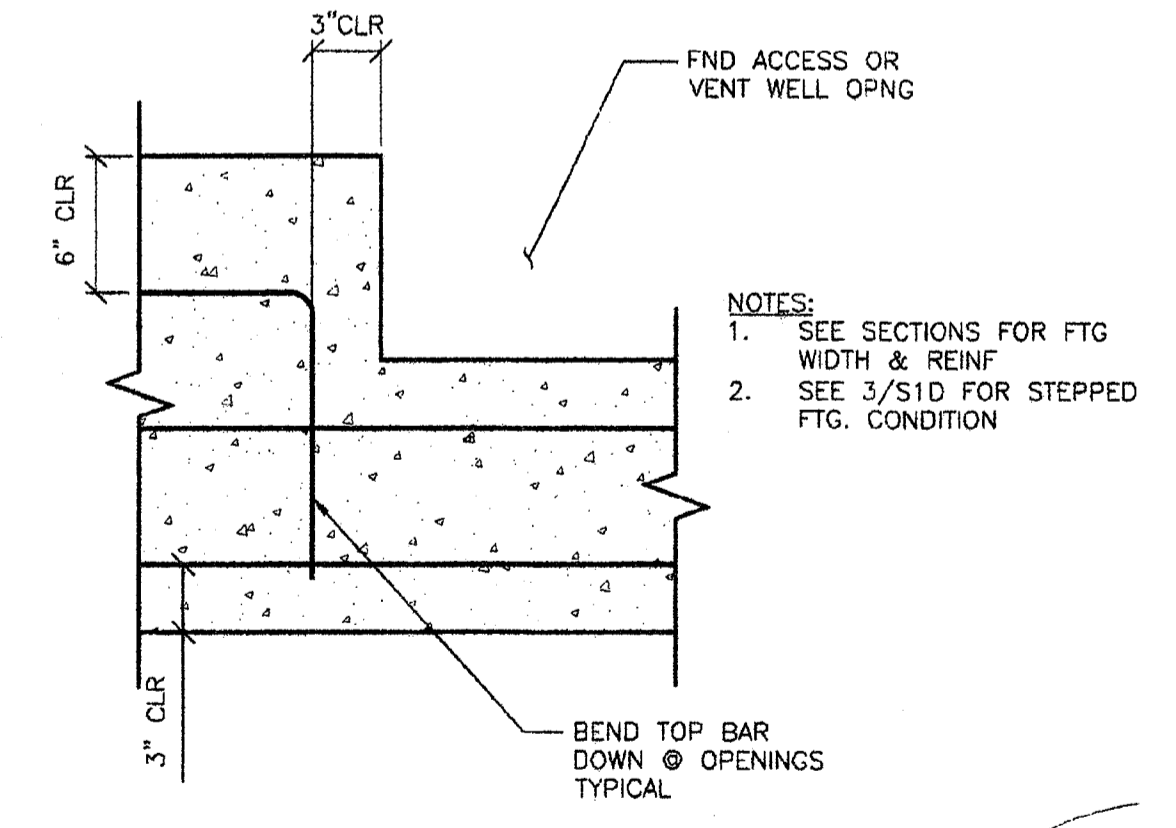
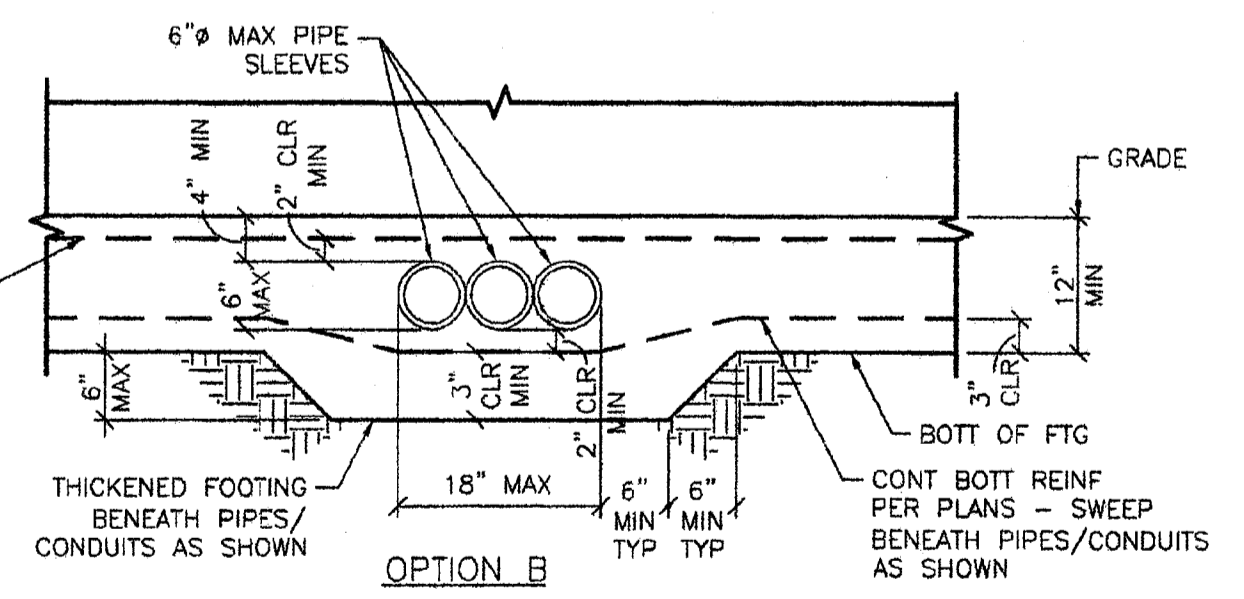
- TENSION TEST - 2 x ALLOWABLE TENSION LOAD PER DSA IR 19-1.
- NORMAL WEIGHT CONCRETE WITH  $f'_c = 2500$  PSI TO COMPLY WITH 1916A.4 FOR MATERIAL TEST WAIVER.
- MINIMUM EDGE DISTANCE REQUIRED 4 5/8"

**4 ANCHOR BOLT SCHEDULE**  
S1D N.T.S.

- 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" x 1'-0"



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

REVISIONS		
NO	DATE	DESCRIPTION

DATE: 04/27/08  
SCALE: NOTED  
DRAWN BY: D.M  
SERIAL NO.:

CUSTOMER:  
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS  
CONCRETE FOOTING DETAILS

**AMS**  
American Modular Systems Inc.  
787 Spreckels Ave, Menlo Park, CA 94035  
(209)825-1821 Fax: (209)825-7018  
americanmodular.com

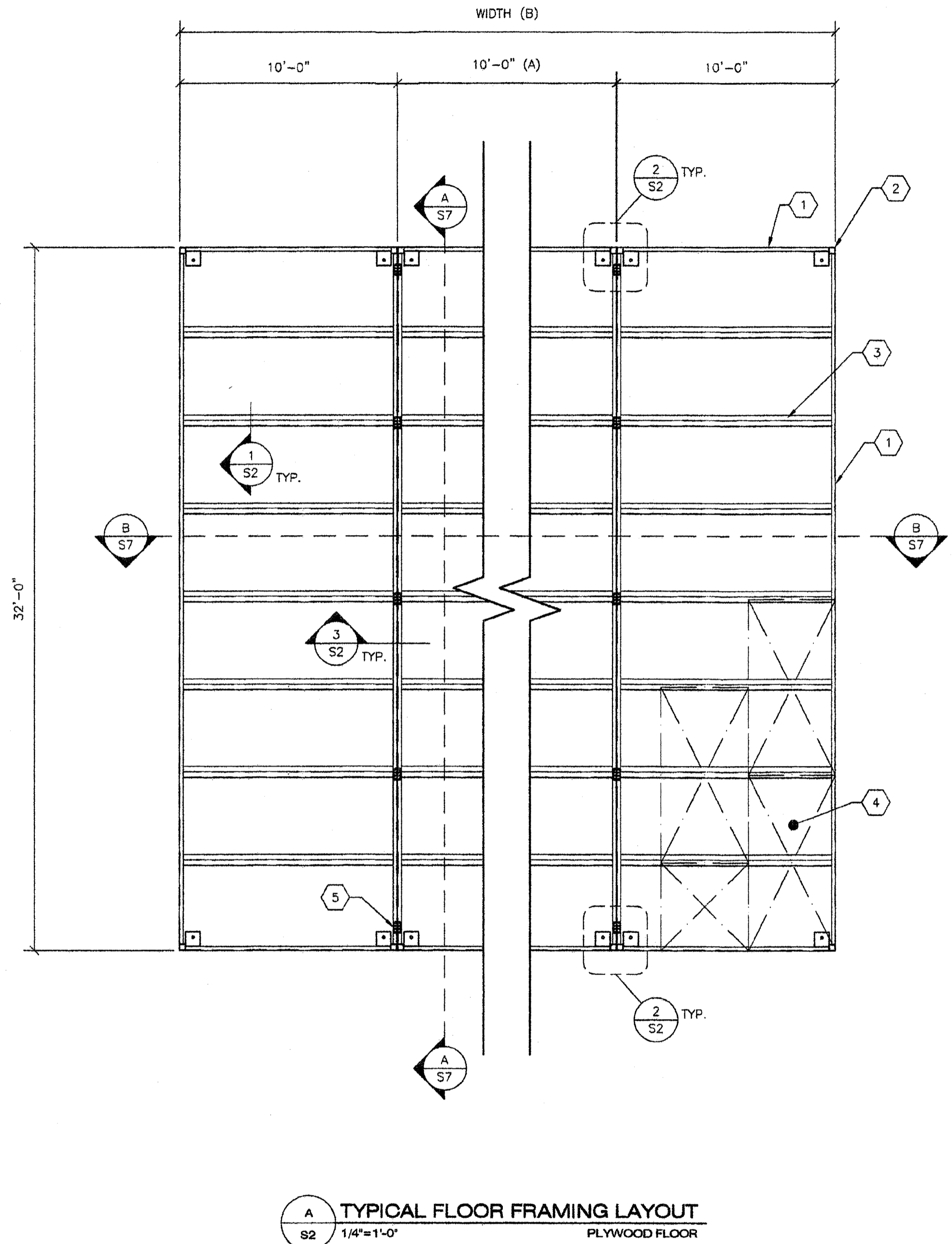
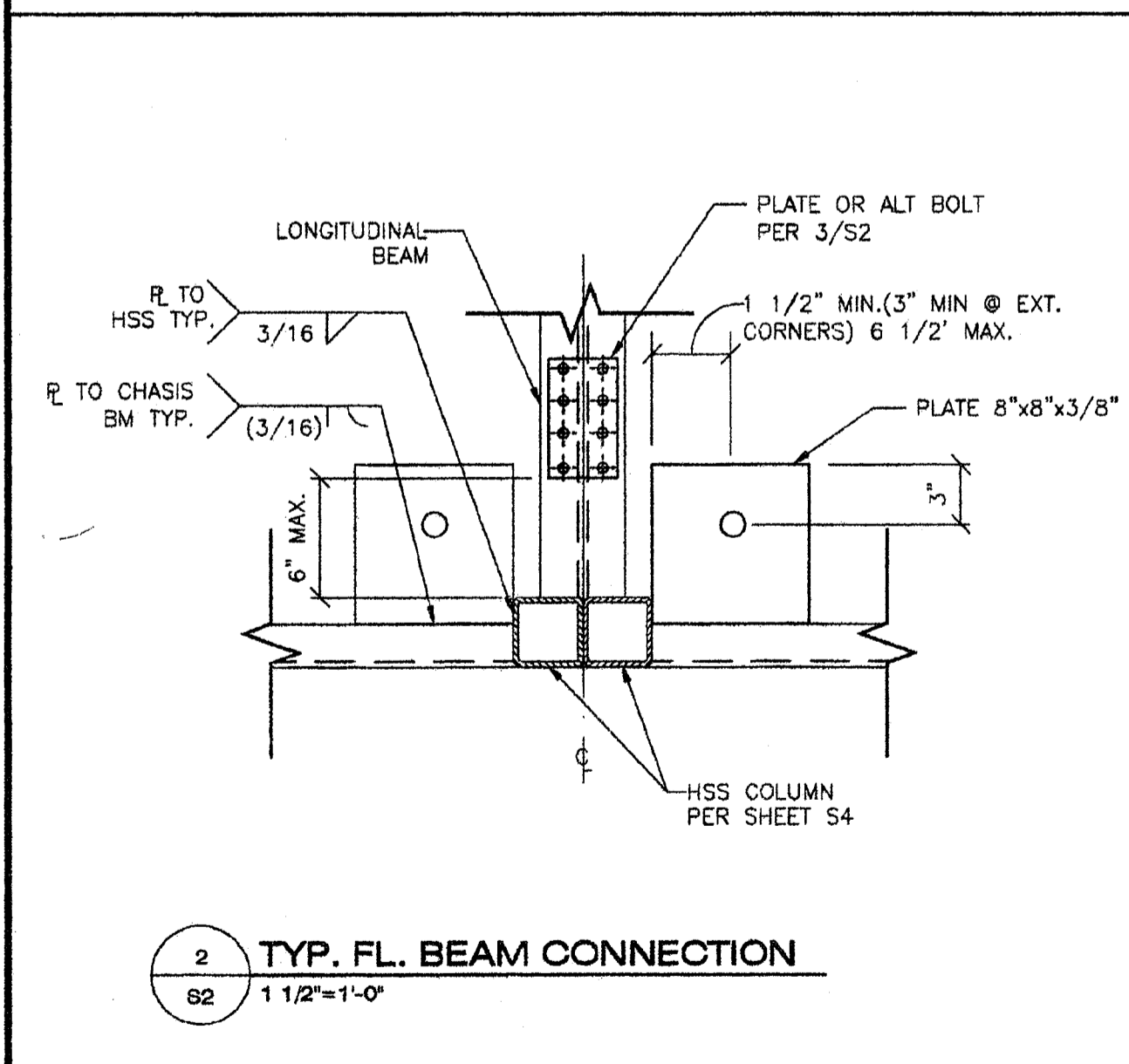
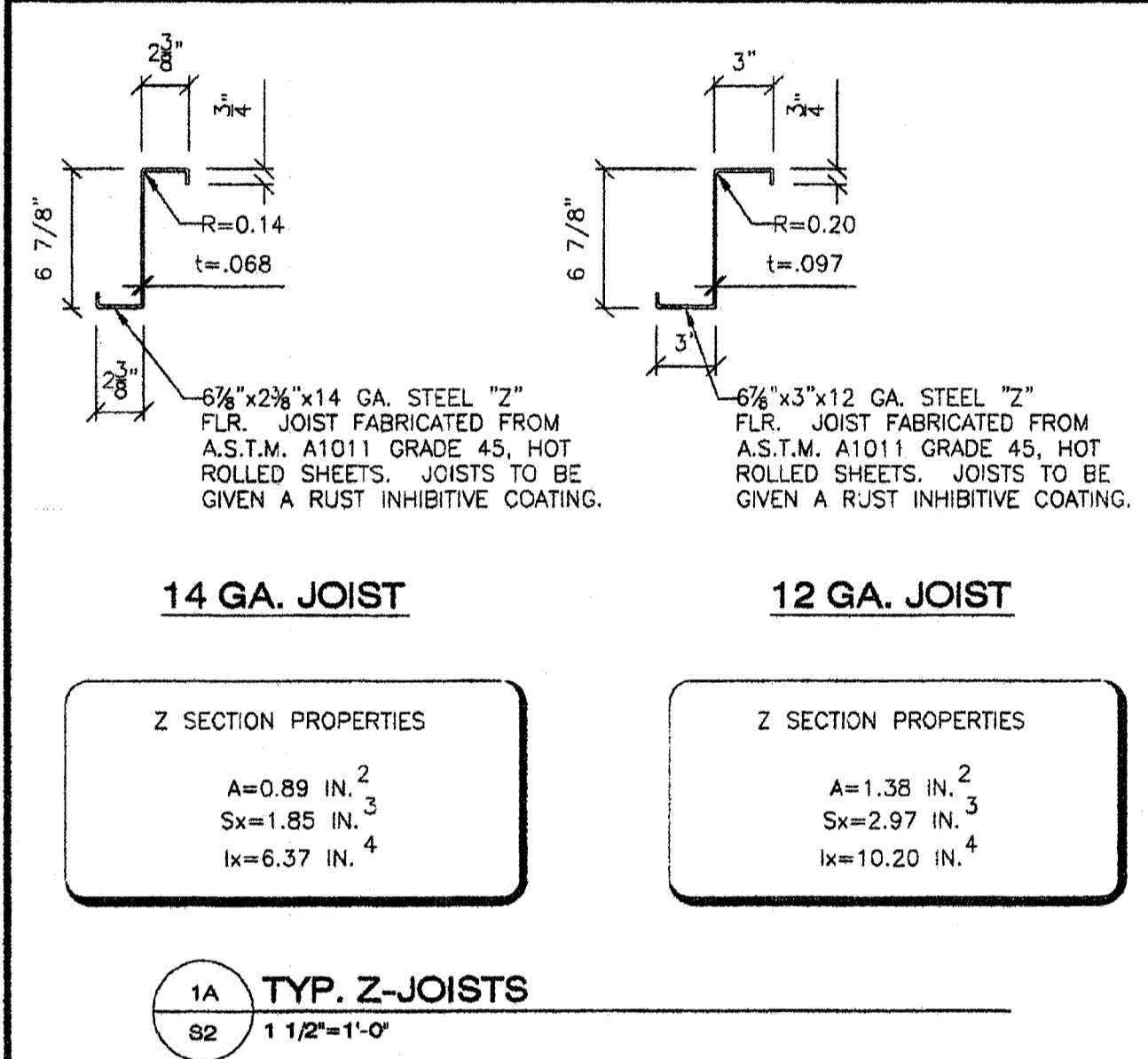
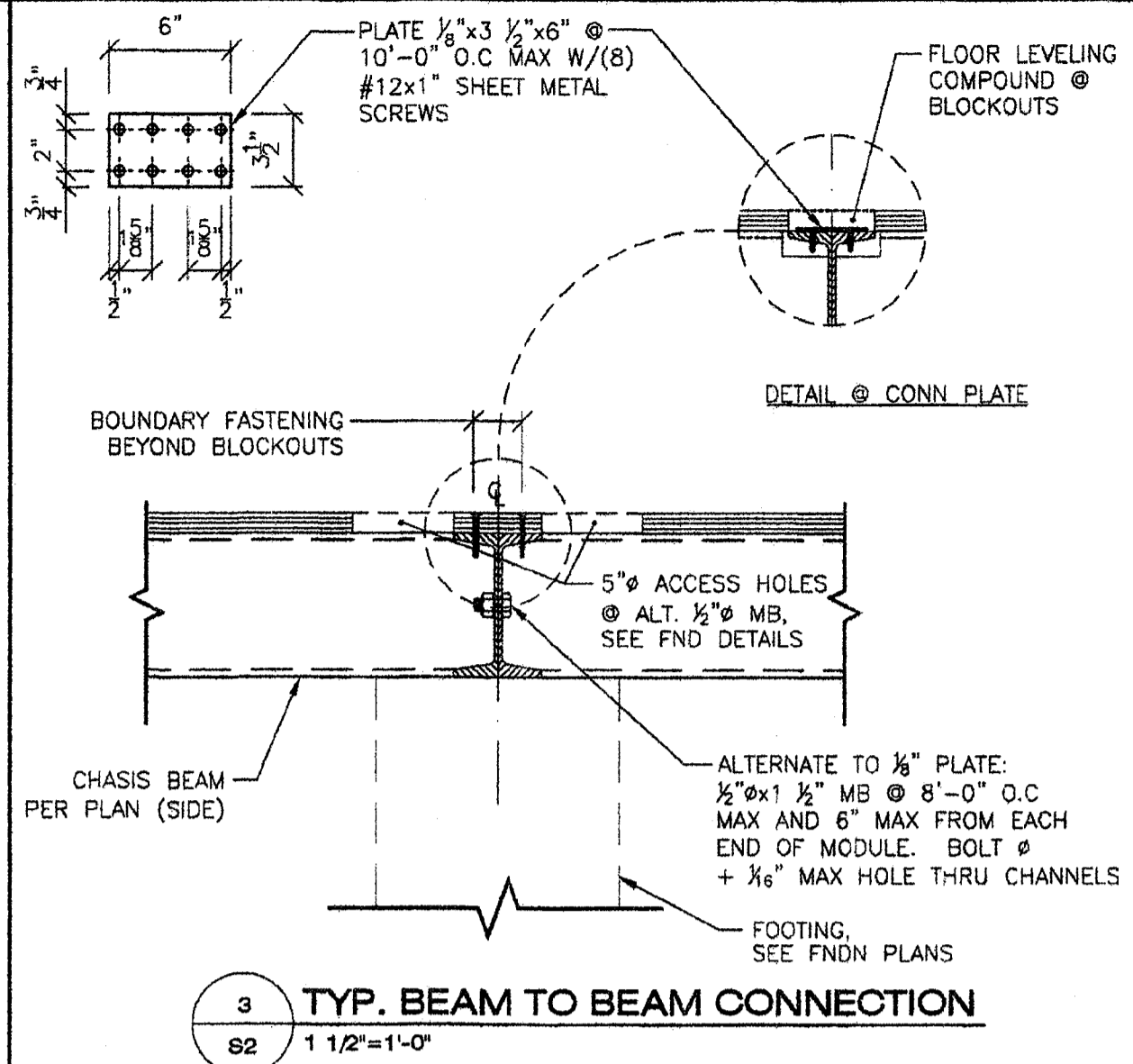
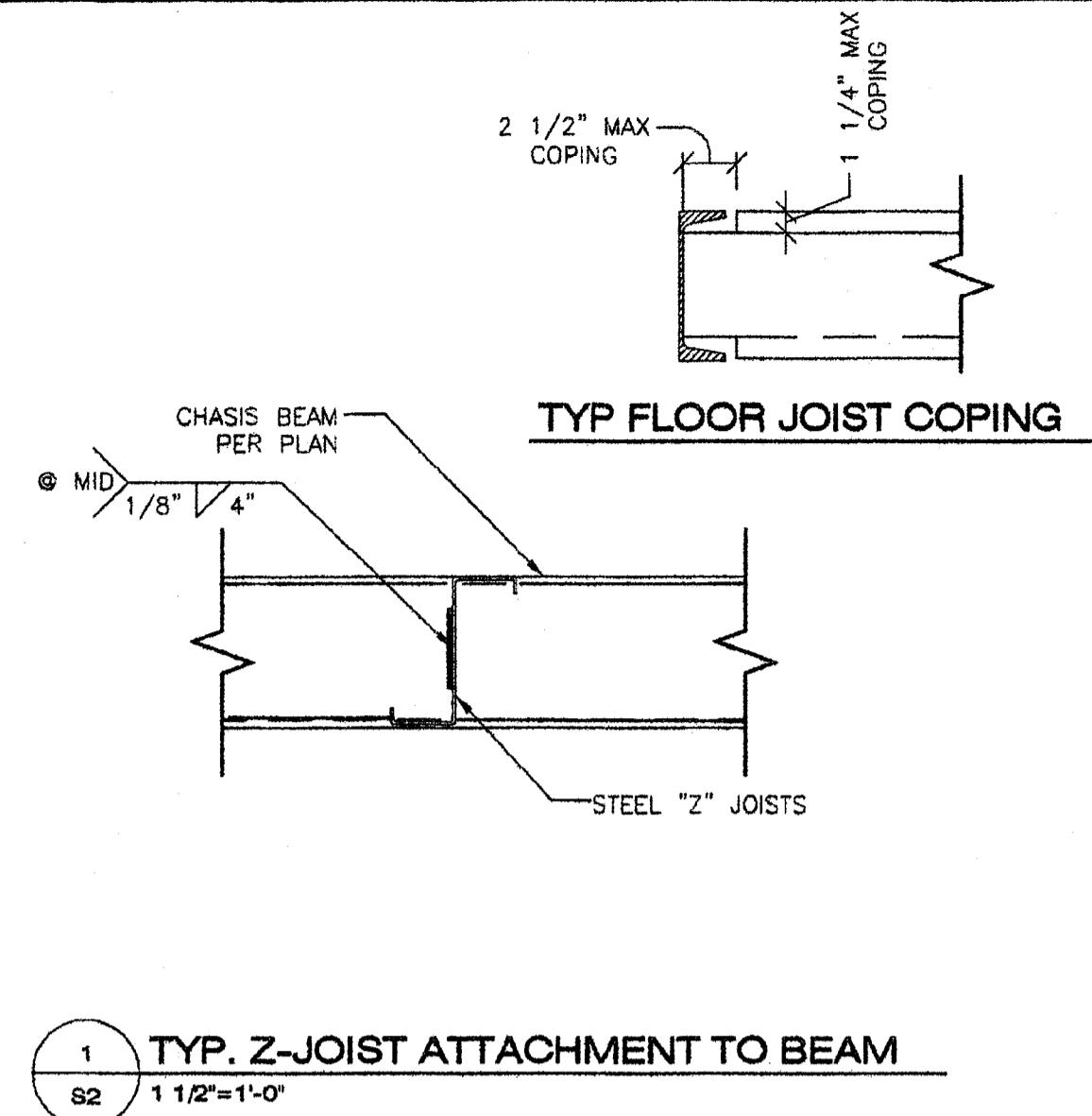
APPROVALS:  
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.  
RESISTED PROFESSIONAL ENGINEER  
Kenneth A. Lattell  
No. 1418  
Exp. 3-31-11  
Structural Engineer  
STATE OF CALIFORNIA

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
02 112884  
AC FLS SS  
DATE 8-18-09

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DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-109701  
AC FLS SS  
DATE 8/19/09

PROJECT NO.  
**S1D**

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**- KEY NOTES -**

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

FLOOR JOIST SCHEDULE	
LIVE LOAD PSF	SPACING
	14 GA. JOIST
50	48" O.C.
60	48" O.C.
70	48" O.C.
80	48" O.C.
90	48" O.C.
100	48" O.C.

- 4 1 1/8" T&G PLYWOOD FLOOR SH'T'G STURD-I-FLOOR 48" O.C. SPAN RATING EXP. 1 CONFORMING TO PS 1-07  
OPTION: UNI-FLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PS 1-07. STAGGER SHEETS 48" O.C AS SHOWN W/ FACE GRAIN NORMAL TO FLOOR JOISTS.  
FASTENING: BOUNDARY OF EA. MODULE: #12x2 1/4" WOOD TEK @ CHANNEL @ 6" O.C. PANEL EDGES: ET&F 0.144"x2" MIN. POWER DRIVEN PINS @ 6" O.C. FIELD: ET&F 0.144"x2" MIN. POWER DRIVEN PINS @ 10" O.C.  
NOTE: SEE ICC ER-4144 FOR ET&F BRAND PNEUMATIC PINS.
- 5 PLATE 1/8"x 3 1/2"x6" @ 10'-0" O.C. MAX W/(8) #12x1" SHEET METAL SCREWS, SEE 2/52  
ALTERNATE: 1/2" x 1 1/2" MB @ 8'-0" O.C. MAX AND 6" MAX FROM EACH END OF MODULE. BOLT @ +1/16" MAX HOLE THRU CHANNELS >SEE 3/52

**- GENERAL NOTES -**

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

**- MODULE SCHEDULE -**

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1/2"
40' x 32'	4	2	40'-1"
50' x 32'	5	3	50'-1/2"
60' x 32'	6	4	60'-1"
70' x 32'	7	5	70'-1/2"
80' x 32'	8	6	80'-1"
90' x 32'	9	7	90'-1/2"
100' x 32'	10	8	100'-1"
110' x 32'	11	9	110'-1/2"
120' x 32'	12	10	120'-1"

**REVISIONS**

NO	DATE	DESCRIPTION

DATE: 04/27/09  
SCALE: NOTED  
DRAWN BY: D.M.  
SERIAL NO.:

CUSTOMER:

2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS FLOOR FRAMING PLAN & DETAILS (PLYWOOD)

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

APPROVALS:

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REGISTERED PROFESSIONAL ENGINEER  
Kenneth A. Luthel  
No. 1418  
Exp. 9-31-11  
Structural Engineer  
STATE OF CALIFORNIA

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

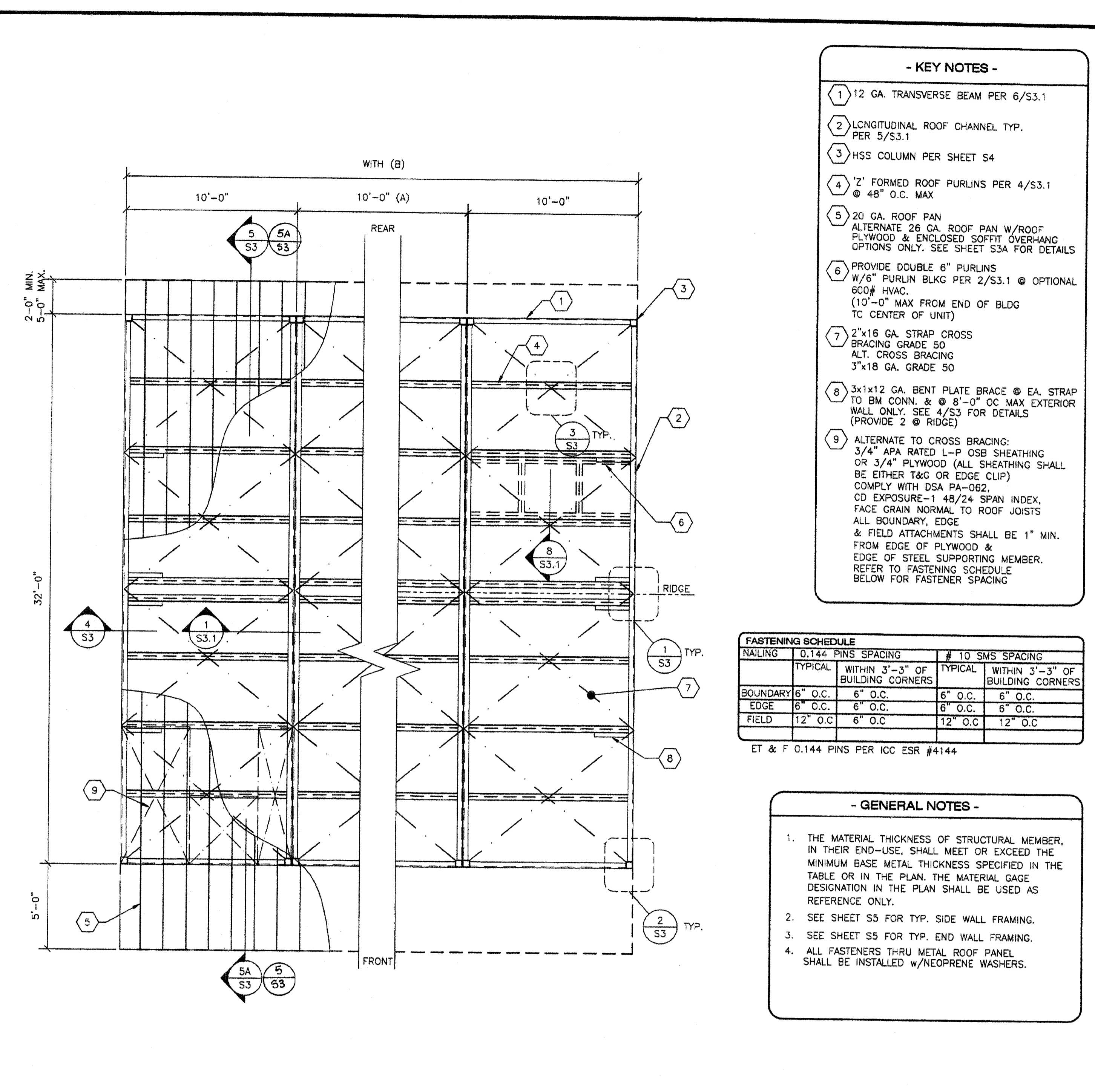
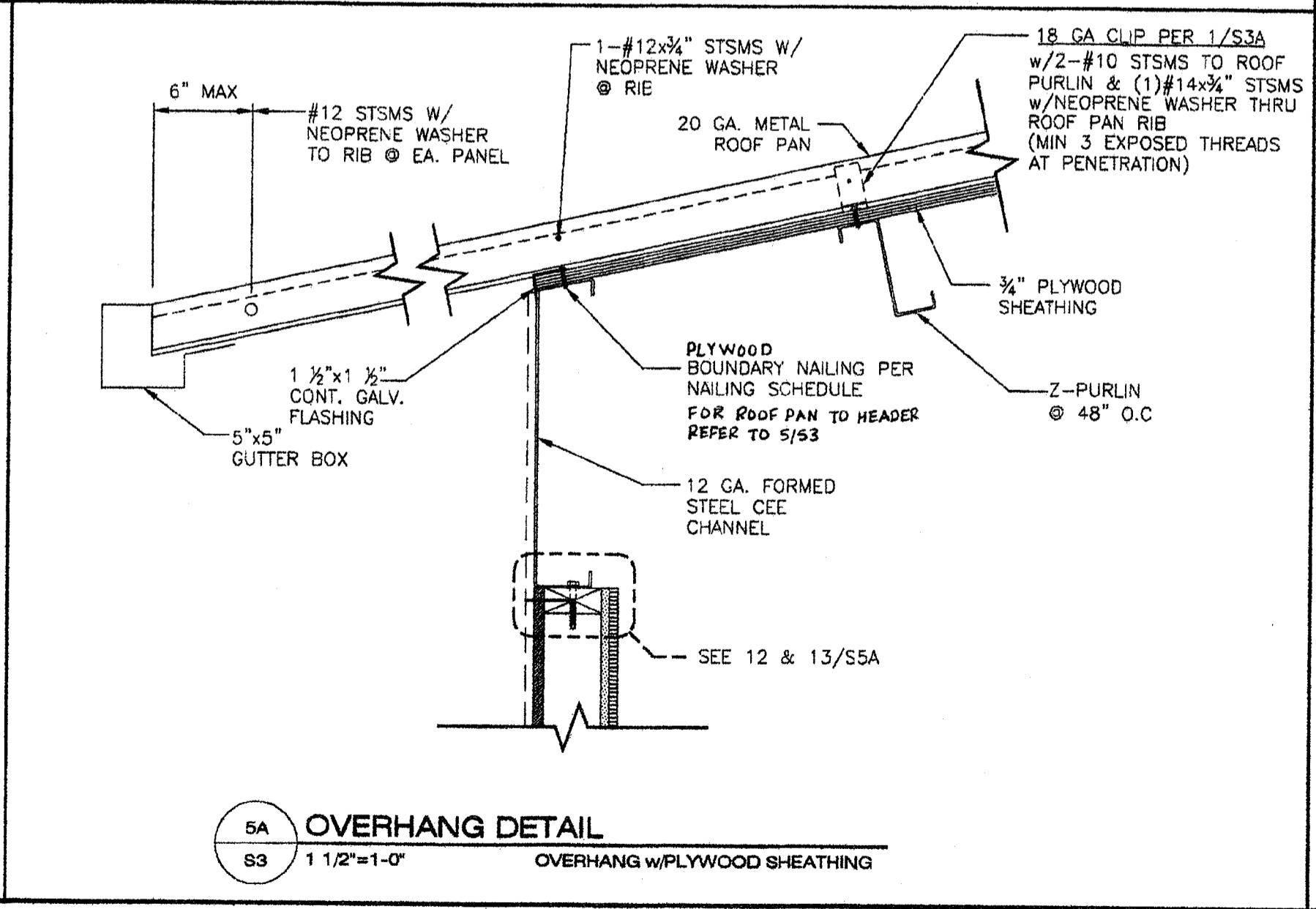
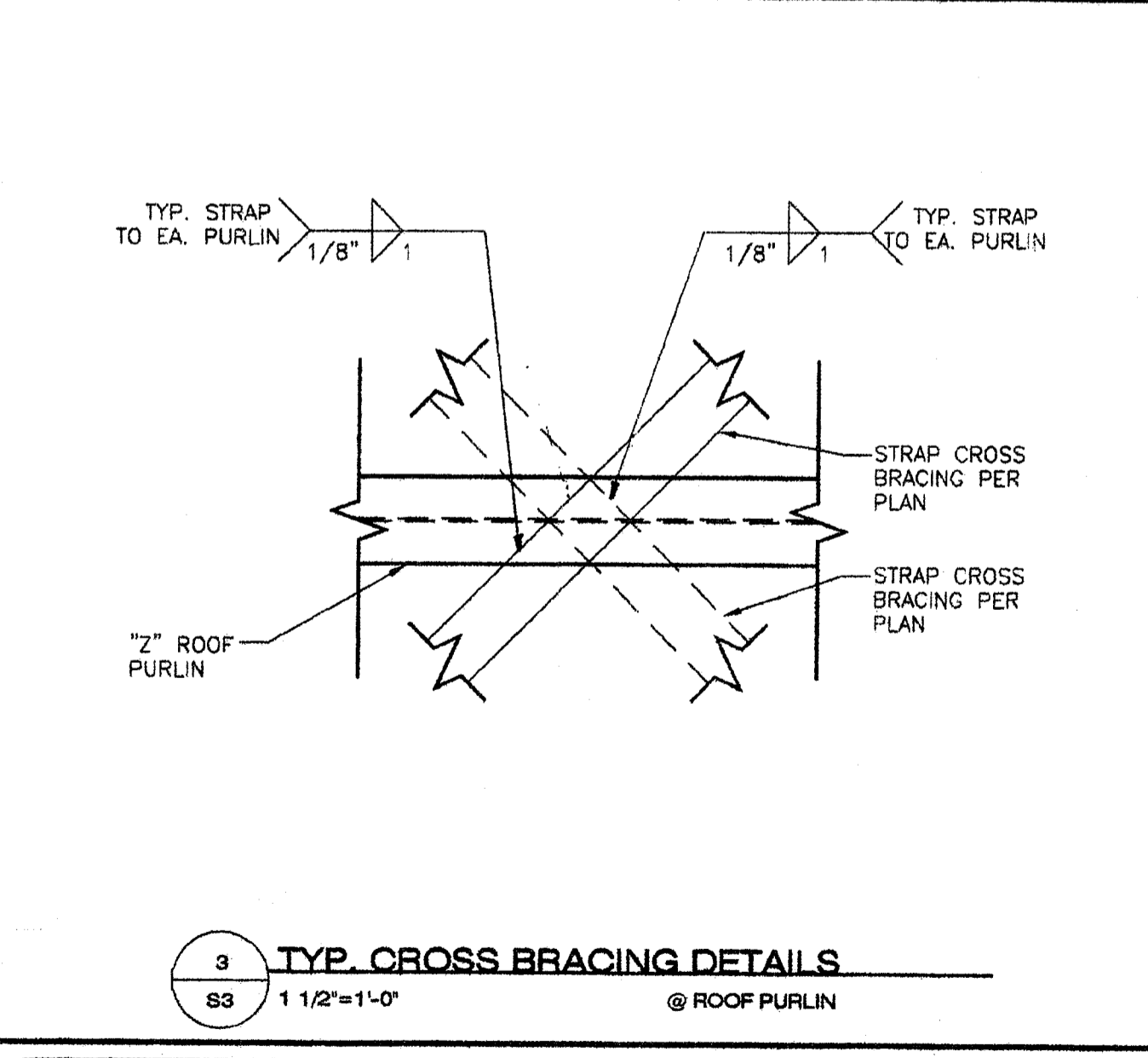
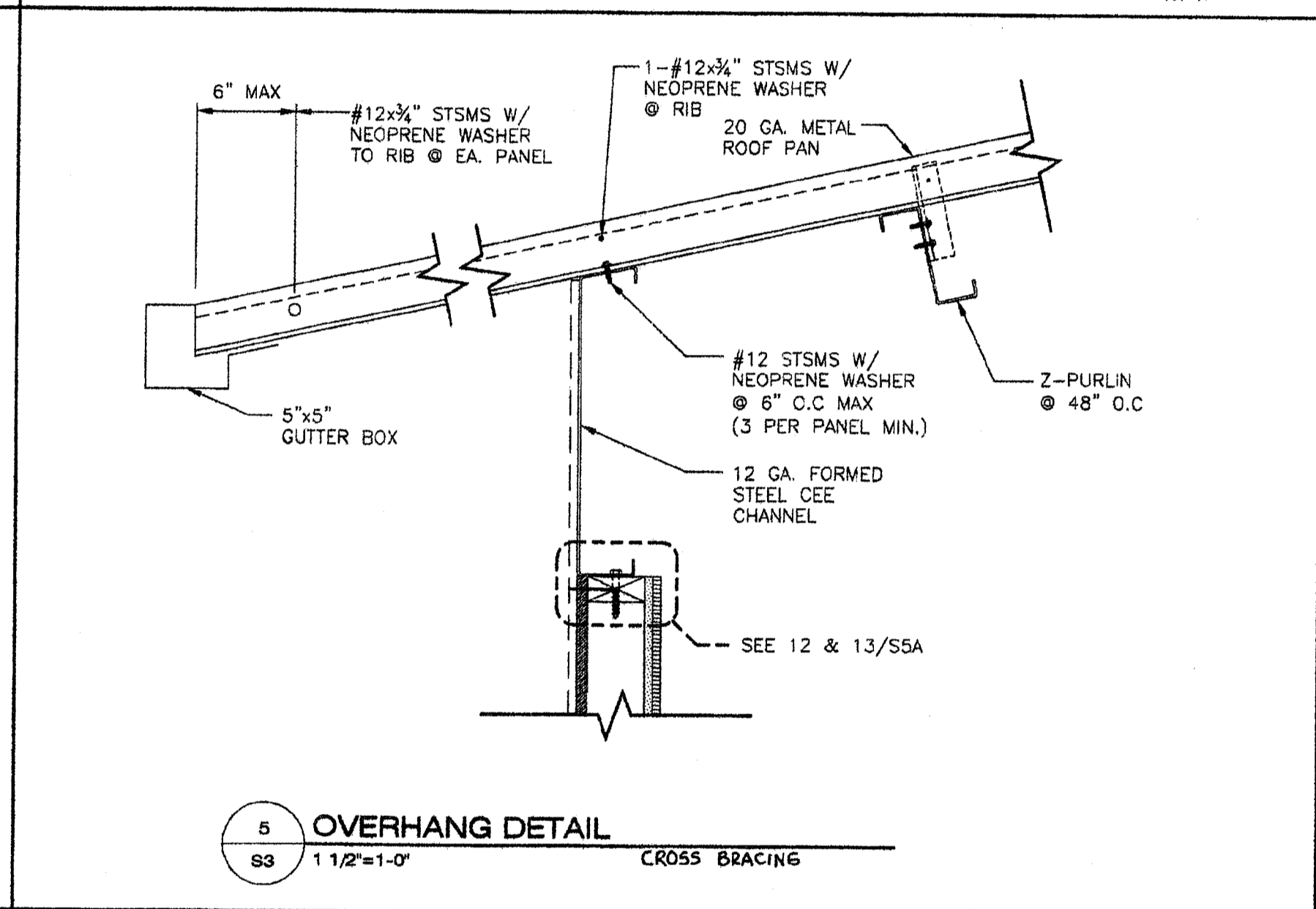
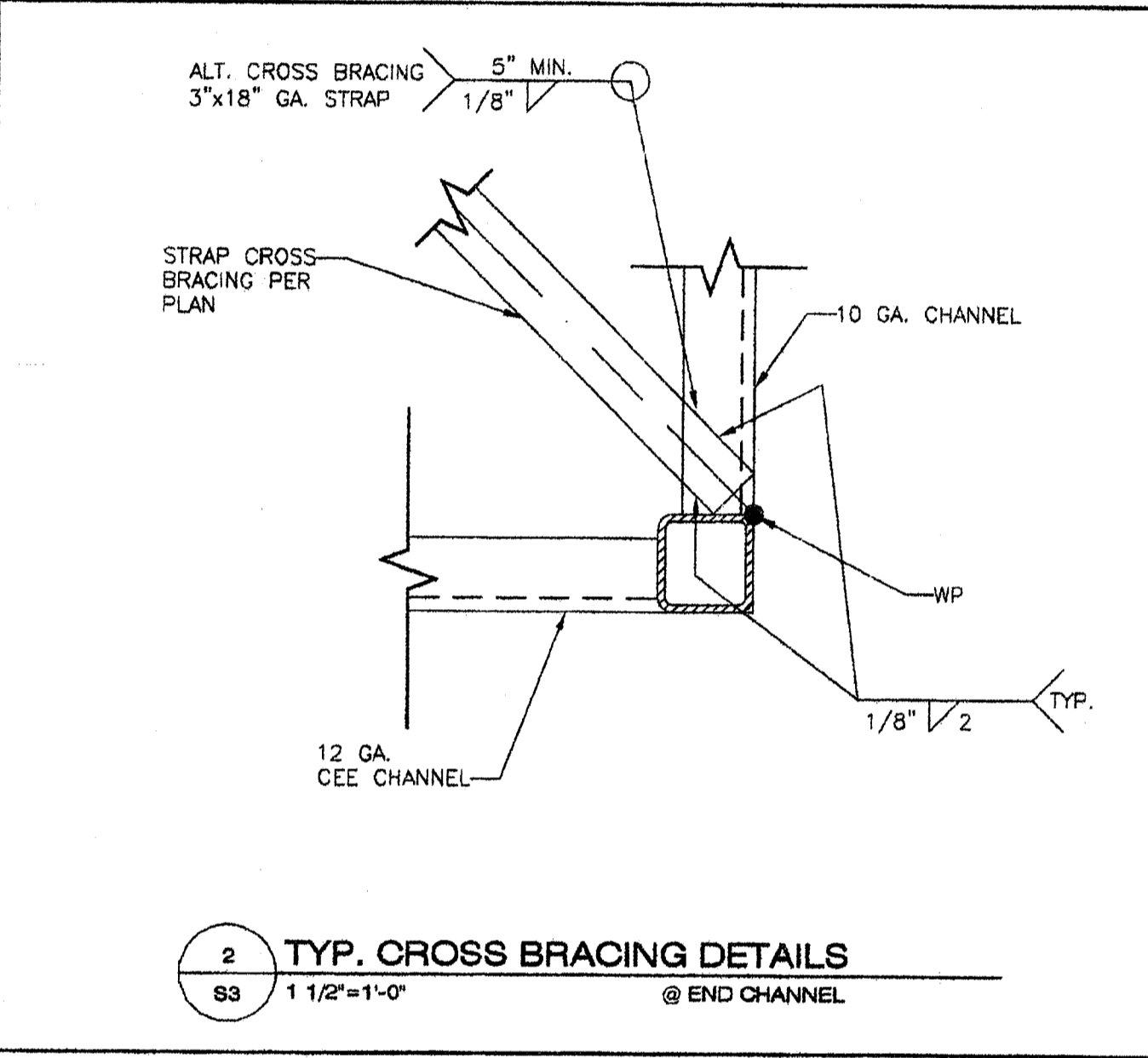
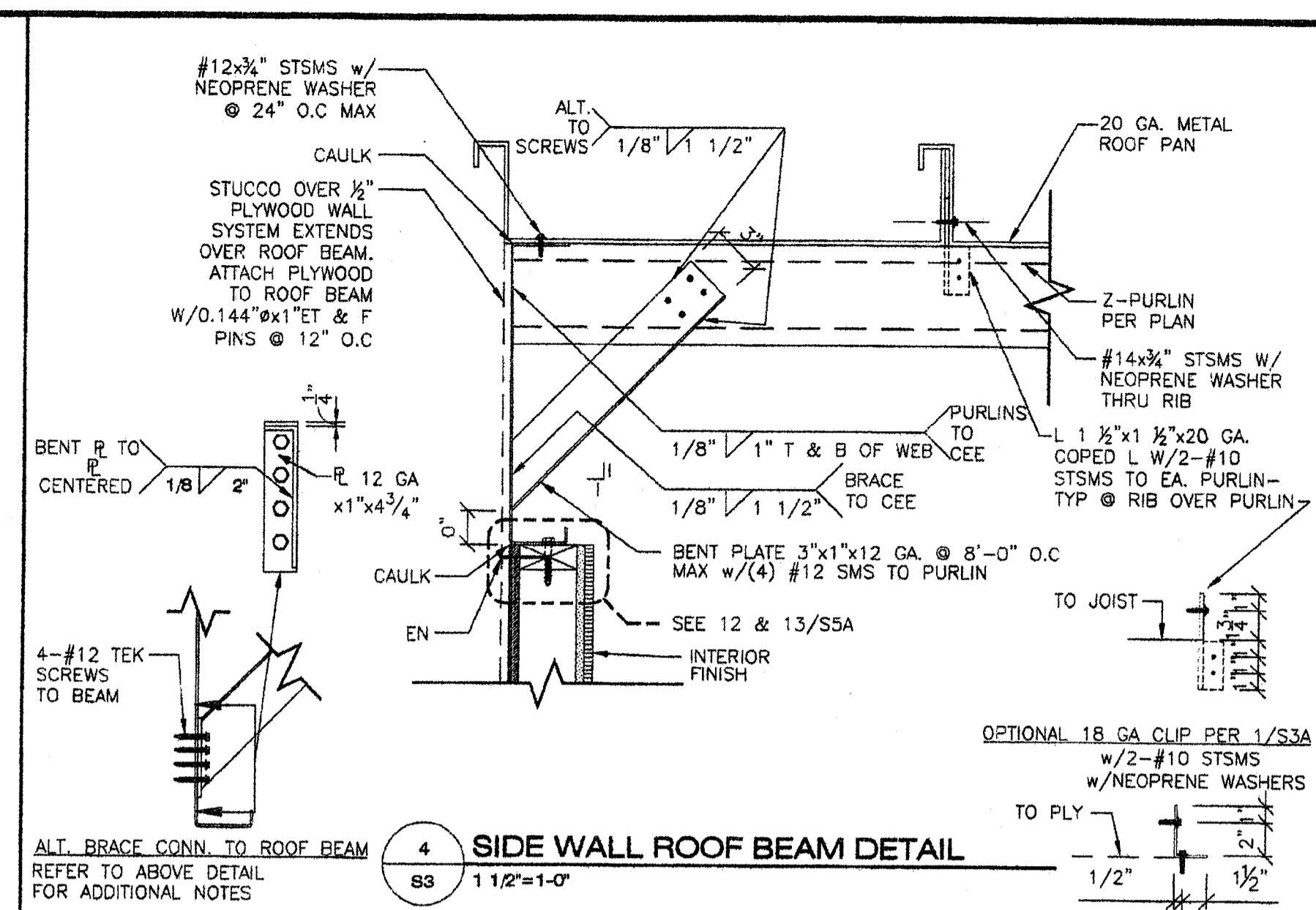
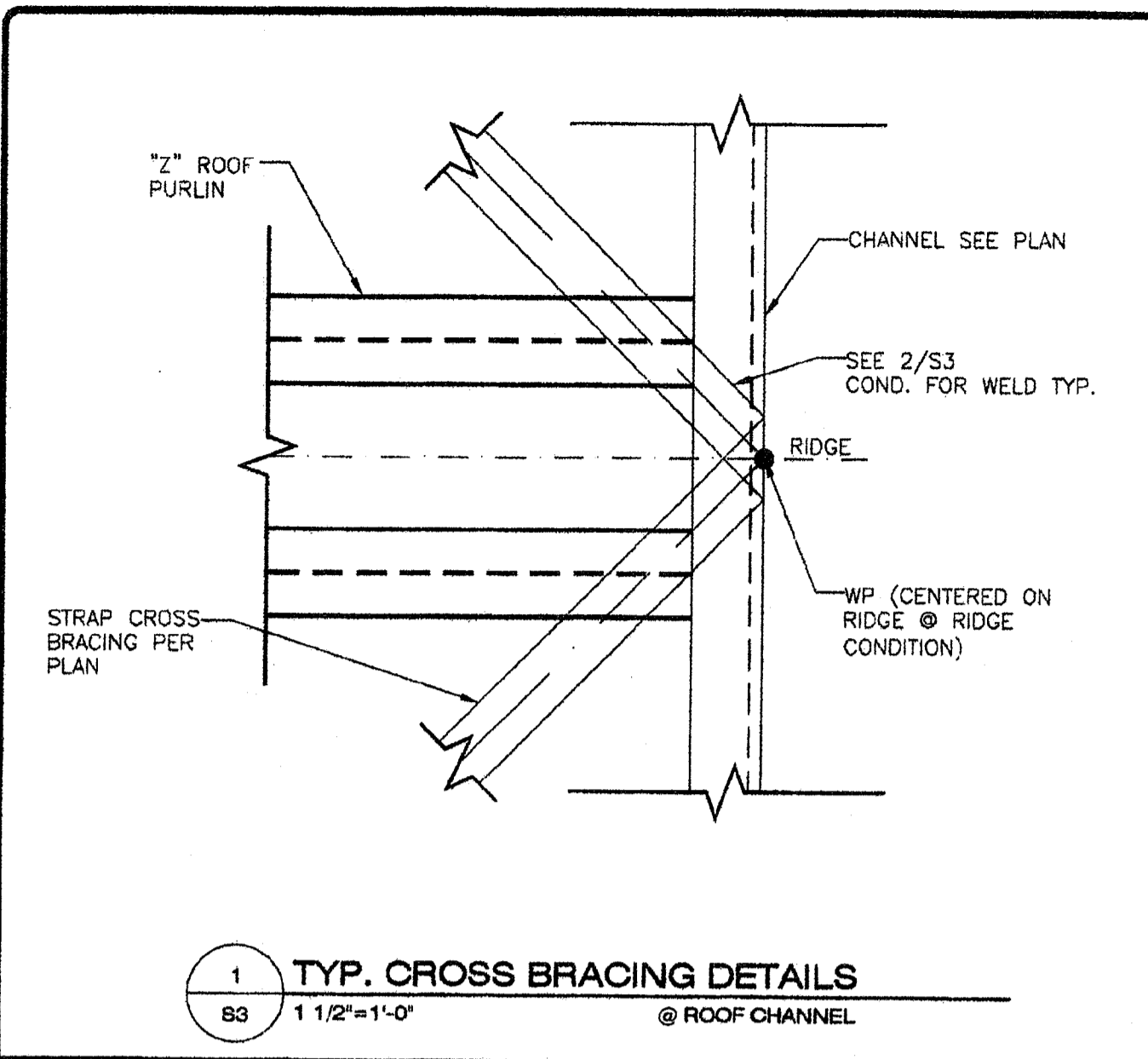
03 112884  
AC FLS SS  
DATE 8-18-09

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PC 02-108701  
AC FLS SS  
DATE 6/19/09

PROJECT No.  
**S2**

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- KEY NOTES -**
- 12 GA. TRANSVERSE BEAM PER 6/S3.1
  - LONGITUDINAL ROOF CHANNEL TYP. PER 5/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\"/>
  - 2\"/>
  - ALTERNATE TO CROSS BRACING: 3/4\"/>

**FASTENING SCHEDULE**

NAILING	0.144 PINS SPACING		# 10 SMS SPACING	
	TYPICAL	WITHIN 3'-3\"/>		
BOUNDARY	6\"/>			
EDGE	6\"/>			
FIELD	12\"/>			

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 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1/2"
40' x 32'	4	2	40'-3/4"
50' x 32'	5	3	50'-1"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"

**REVISIONS**

NO	DATE	DESCRIPTION

DATE: 04/28/09  
 SCALE: NOTED  
 DRAWN BY: DM  
 SERIAL NO.:

CUSTOMER:  
 2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS  
 ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT)



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

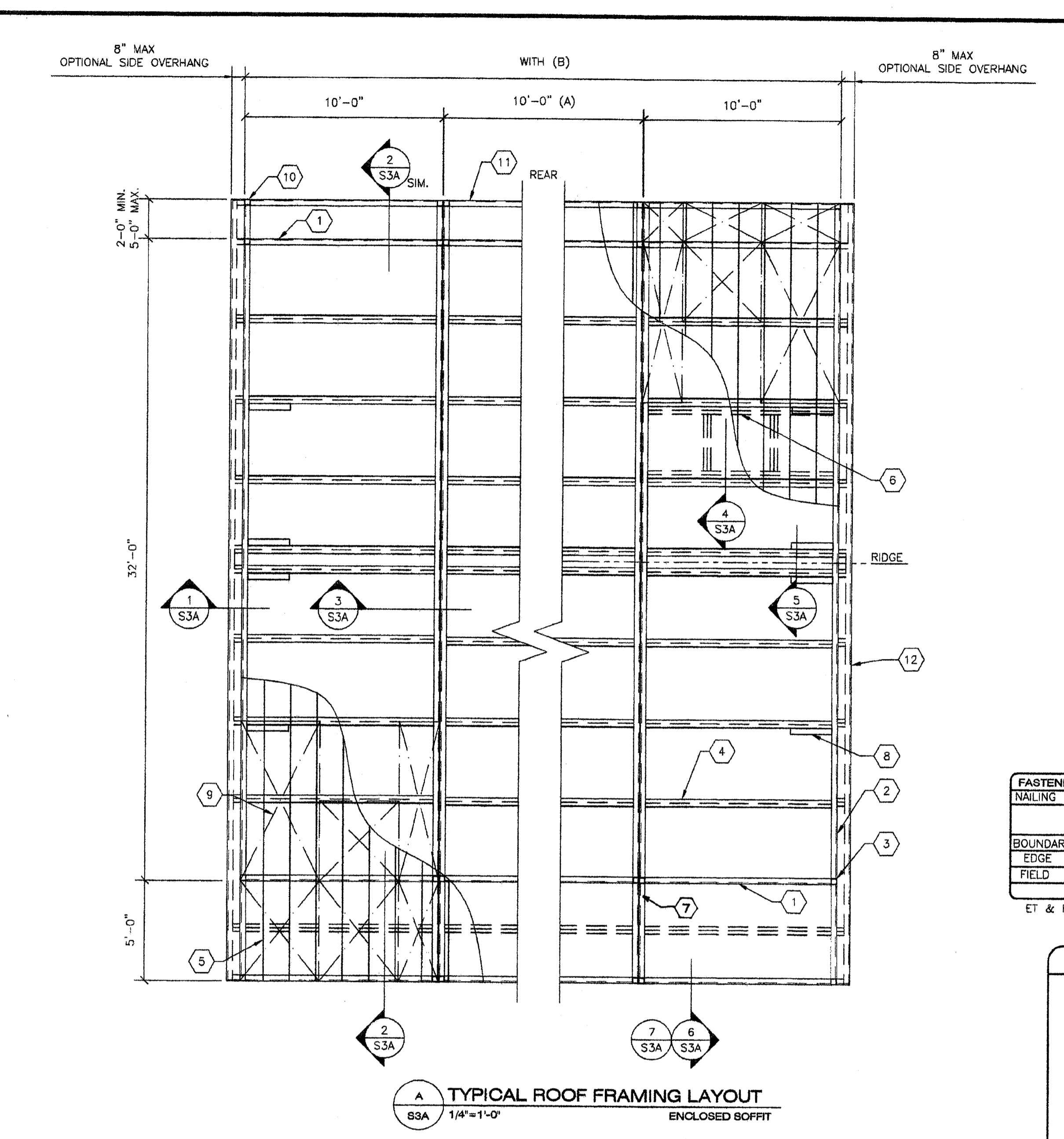
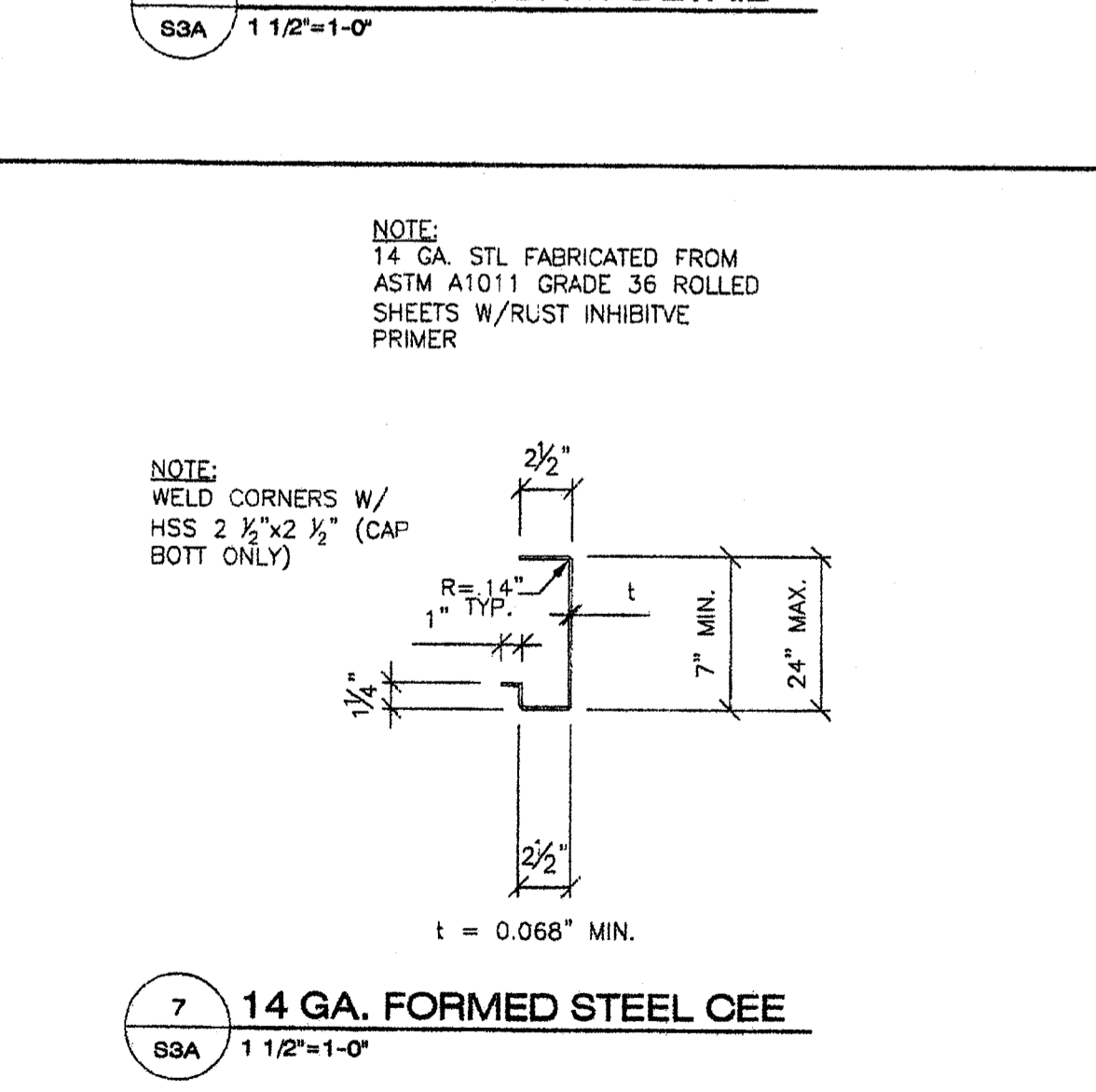
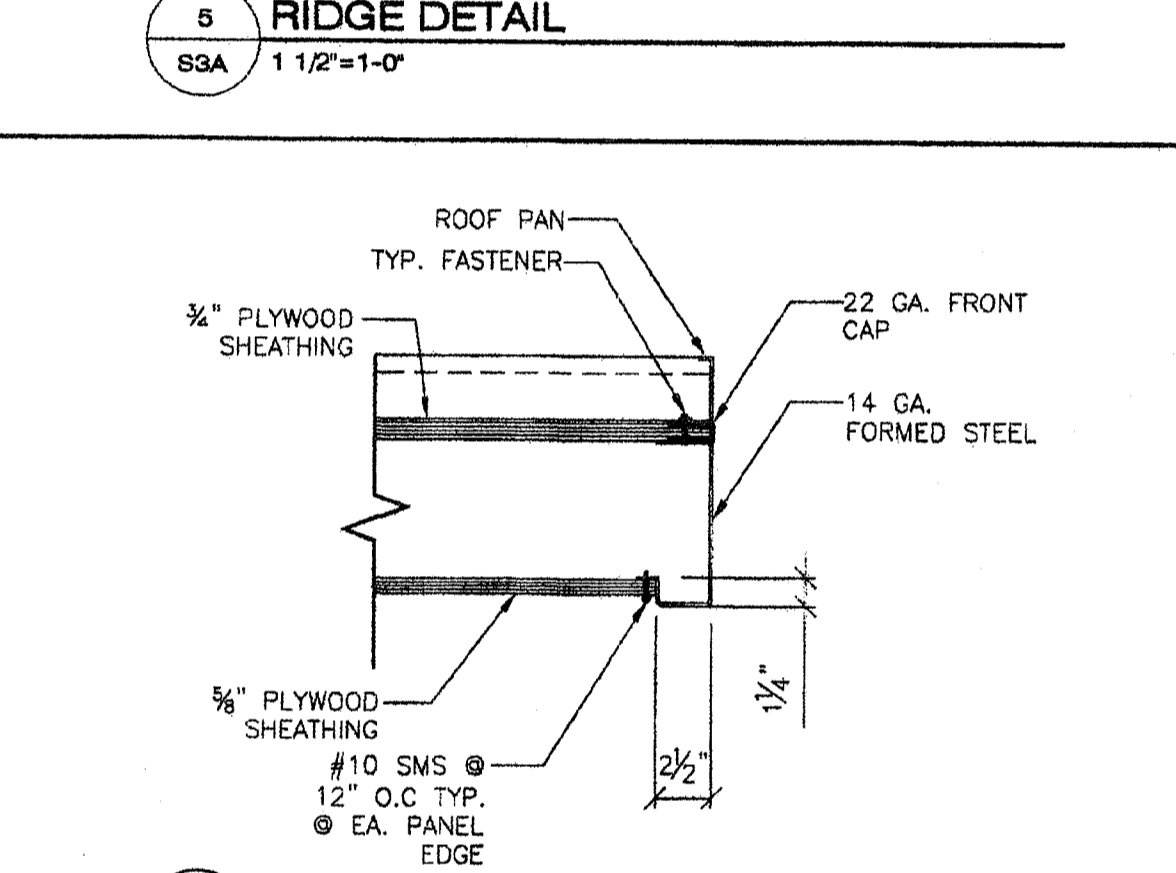
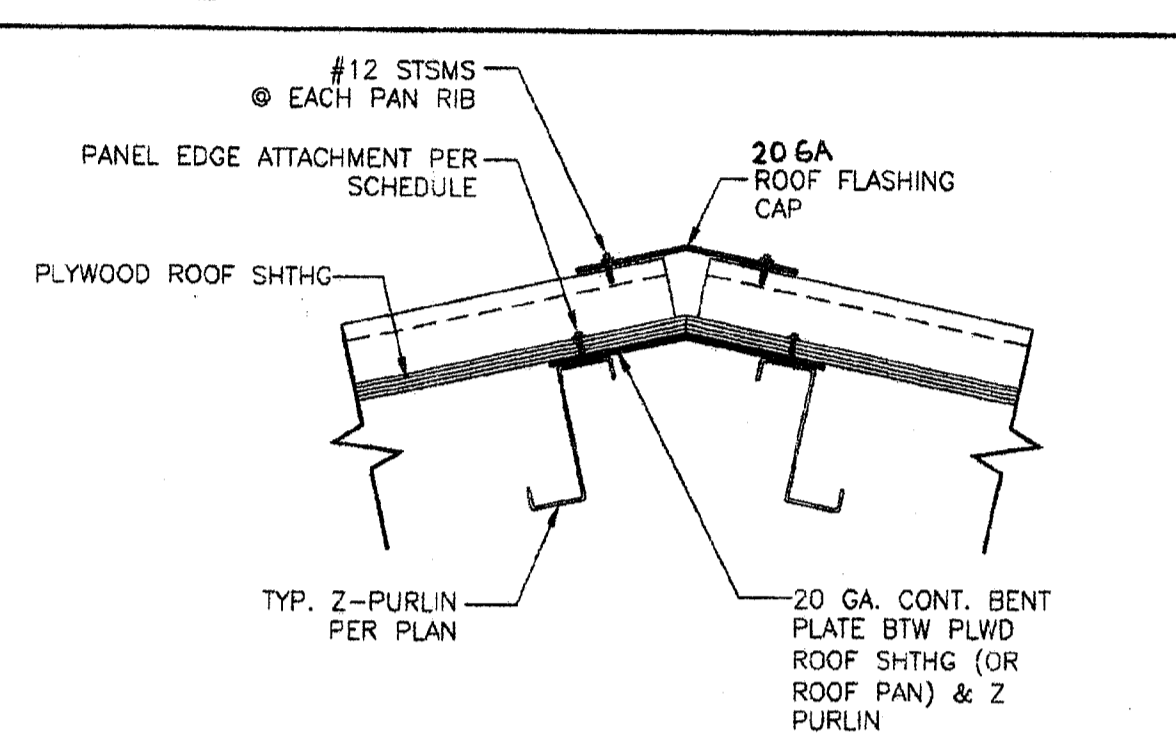
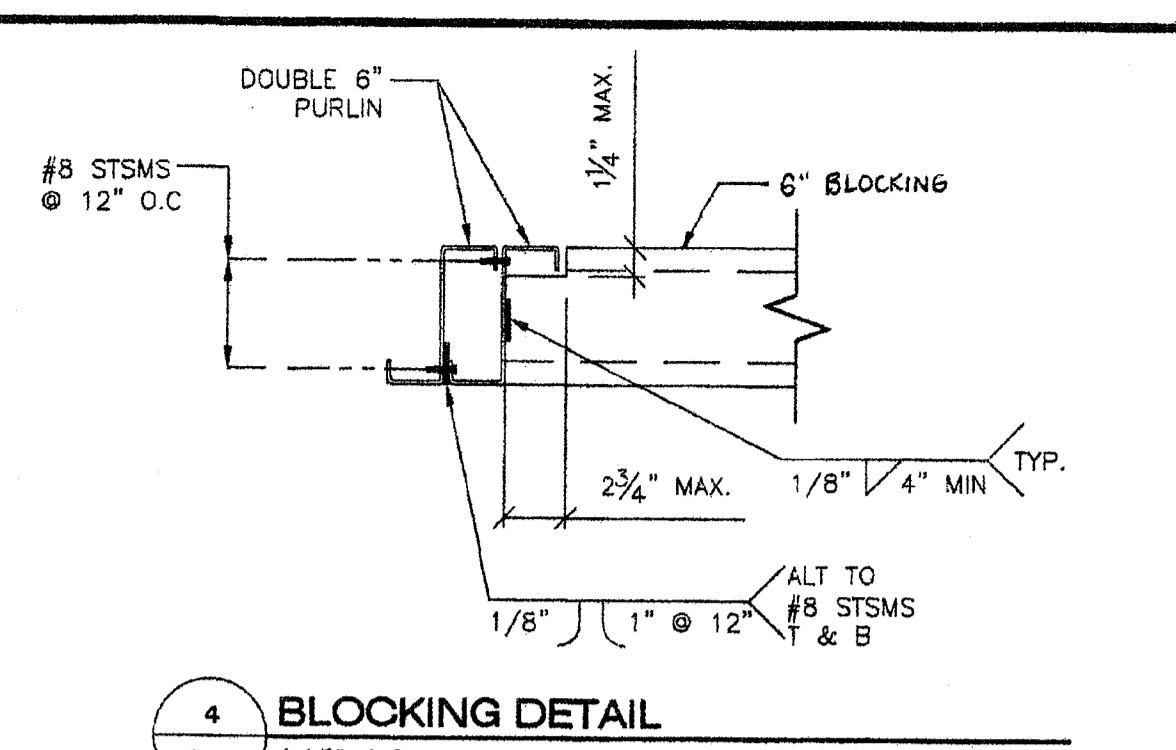
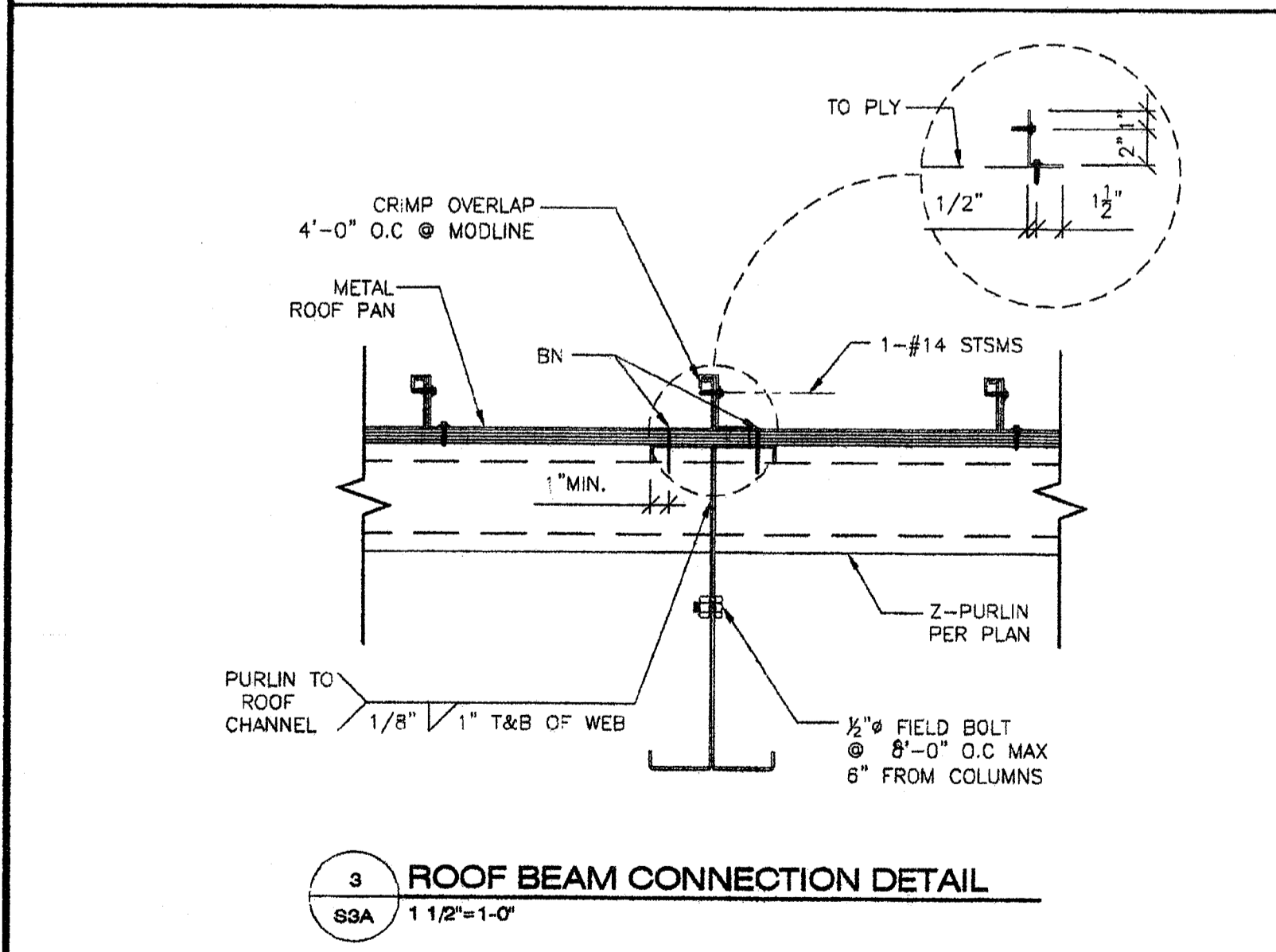
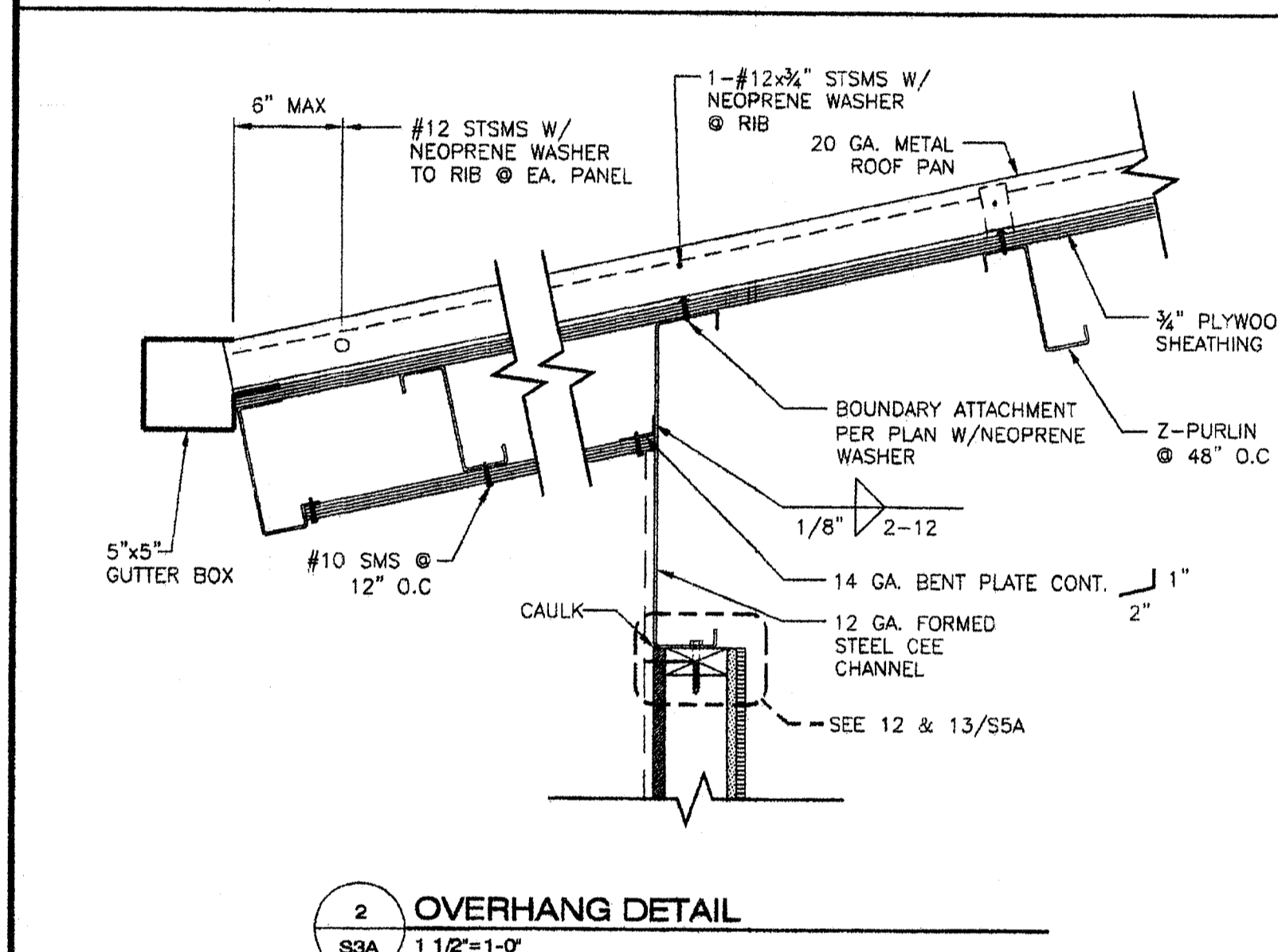
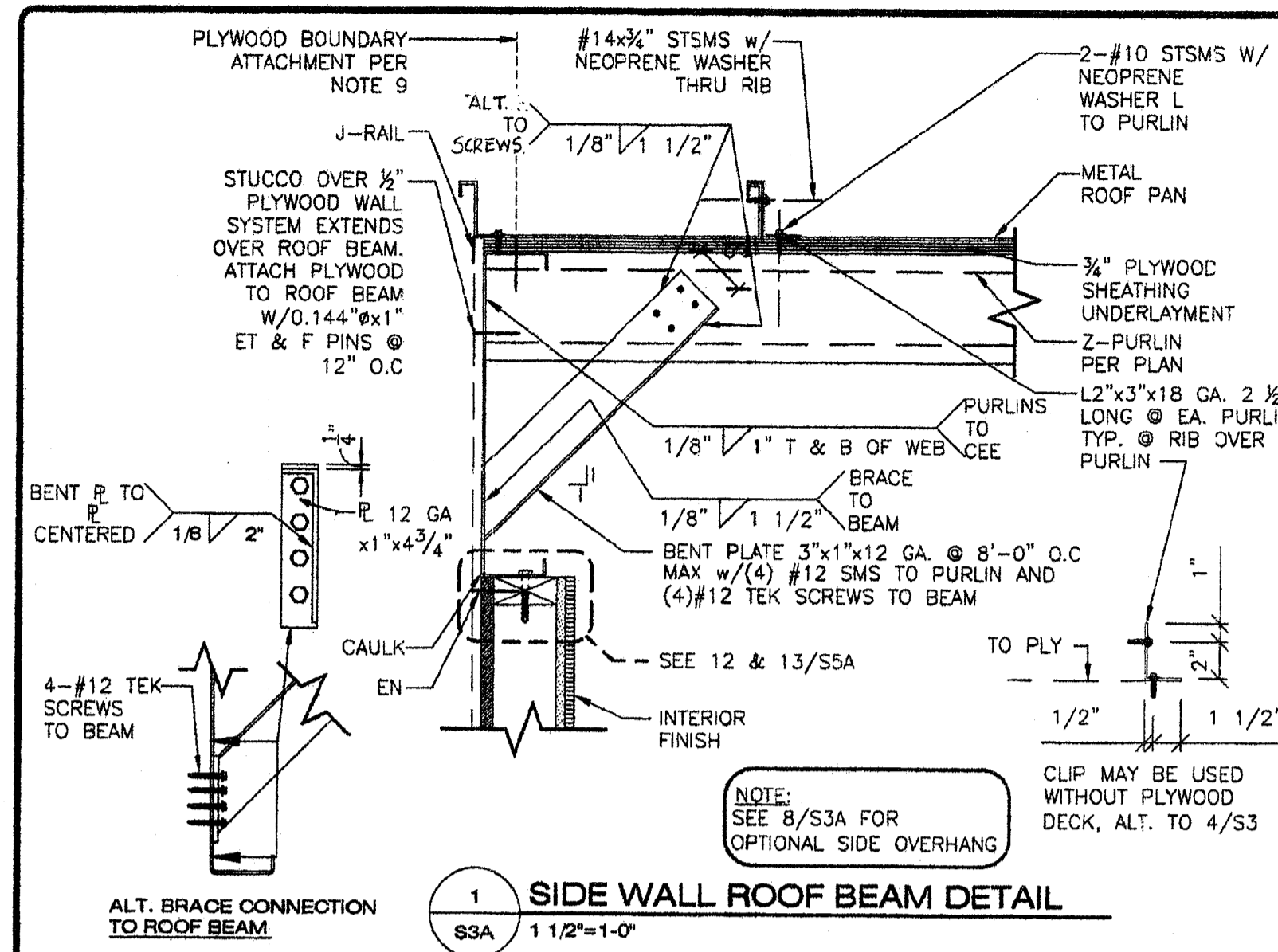
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 DIV. OF THE STATE ARCHITECT  
 63 112884  
 AC FLS SS 12  
 DATE 8/18/09

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 OFFICE OF REGULATION SERVICES  
 PC 02-109701  
 AC FLS SS 12  
 DATE 6/19/09

PROJECT No.  
 PC  
**S3**

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- KEY NOTES -**
- 12 GA. TRANSVERSE BEAM PER 6/S3.1
  - LONGITUDINAL ROOF CHANNEL TYP. PER 5/S3.1
  - HSS COLUMN PER SHEET S4
  - Z' FORMED ROOF PURLINS PER 4/S3.1 @ 48" O.C. MAX
  - 20 GA. ROOF PAN (ALT. 26 GA. ROOF PAN W/ROOF PLYWOOD ONLY)
  - PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG @ OPTIONAL 600# HVAC. (10'-0" MAX. FROM END OF BUILDING TO CENTER OF UNIT)
  - OUTRIGGER CHANNEL AT OVERHANGS PER 7/S3A
  - 3x1x12 GA. BENT PLATE BRACE @ 8'-0" O.C. MAX @ EXTERIOR WALLS ONLY SEE 1/S3A (PROVIDE 2 @ RIDGE)
  - 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 SHTHC 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.
  - HSS COLUMN 2 1/2"x2 1/2" 14 GA. (SEE 3/S4A)
  - 14 GA. FORMED STEEL CEE PER 7/S3A
  - OPTIONAL SIDE OVERHANGS PER 8/S3A

**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 -**
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.
  2. SEE SHEET S5 FOR TYP. SIDE WALL FRAMING.
  3. SEE SHEET S5 FOR TYP. END WALL FRAMING.
  4. ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED W/NEOPRENE WASHERS.

**- MODULE SCHEDULE -**

BLDG SIZE (FT)	TOTAL # OF 10' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1/2"
40' x 32'	4	2	40'-3/4"
50' x 32'	5	3	50'-1"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"

**REVISIONS**

NO	DATE	DESCRIPTION

DATE: 12/04/07  
SCALE: NOTED  
DRAWN BY: DM  
SERIAL NO.:

CUSTOMER:  
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS ROOF FRAMING PLANS (PLYWOOD SHEATHING)

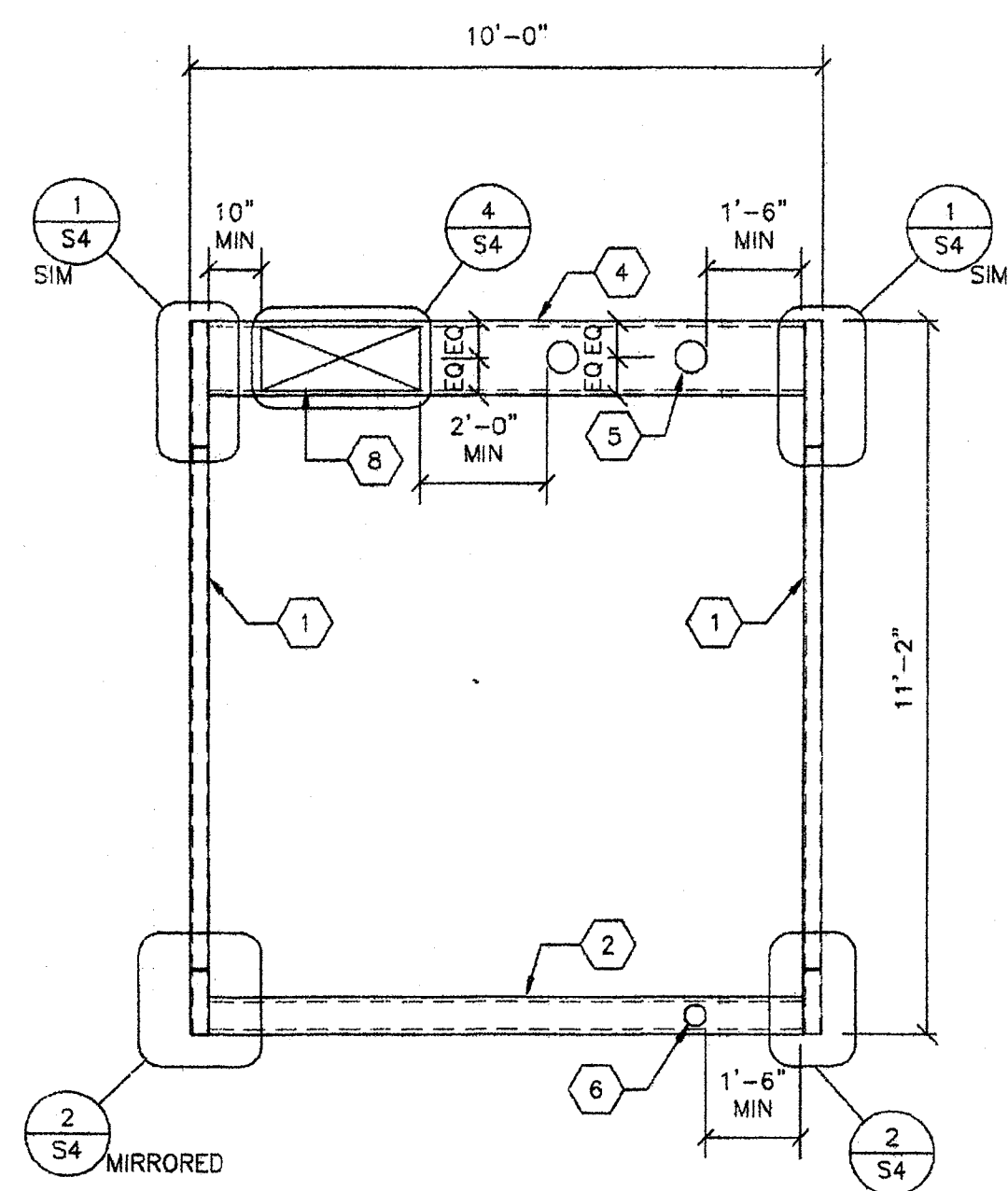
**AMS**  
American Modular Systems Inc.  
737 Sparrowcove Ave. Marietta, GA 30030  
(209)825-1921 Fax: (209)825-7018  
americanmodular.com

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

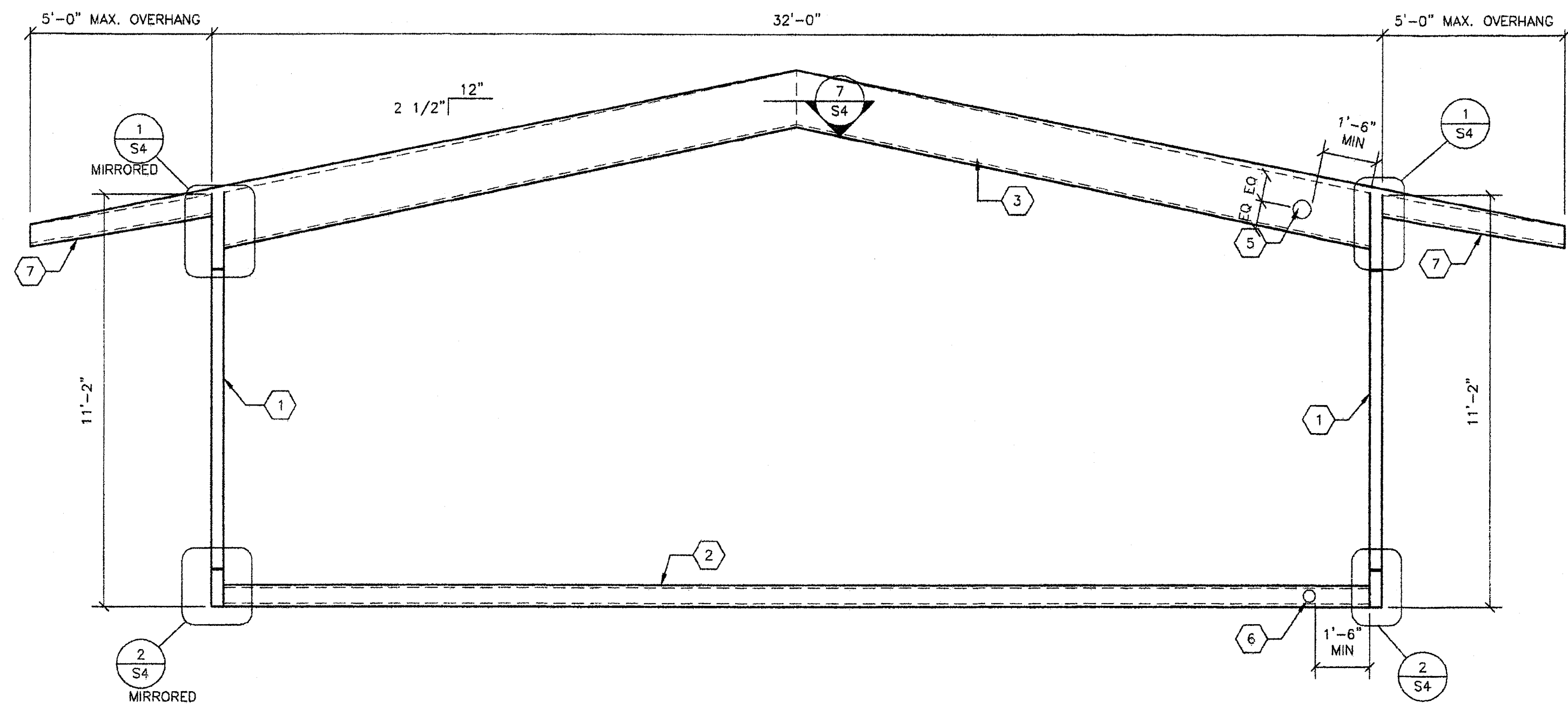
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
05 112884  
AC, FLS, SS, SD  
DATE: 3-19-09

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-109701  
AC, FLS, SS, SD  
DATE: 6-19-09  
**S3A**

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

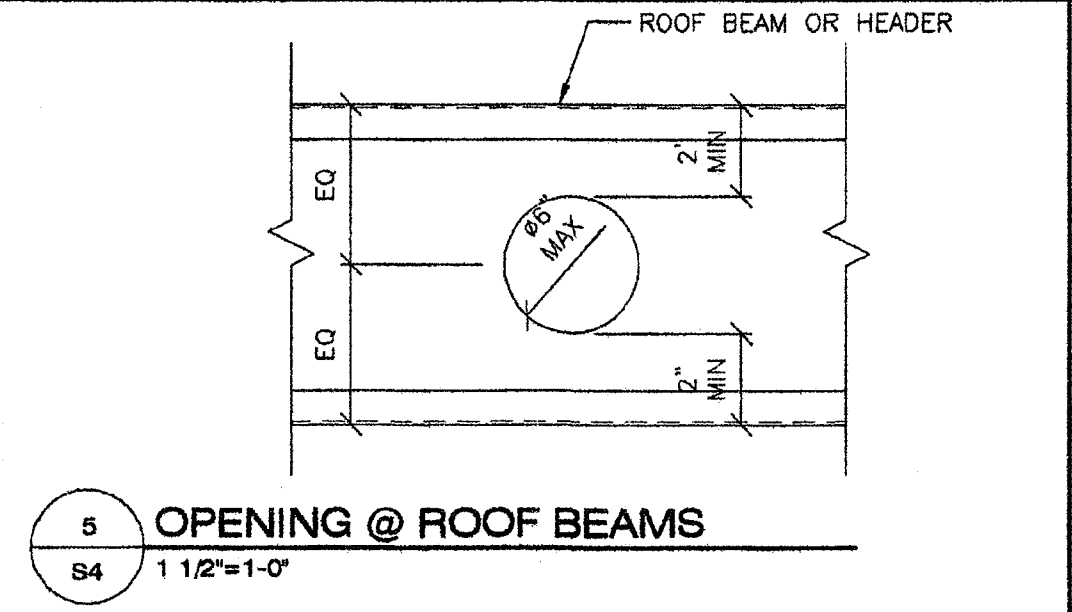


**A TYPICAL LONGITUDINAL FRAME**  
S4 3/8"=1'-0"

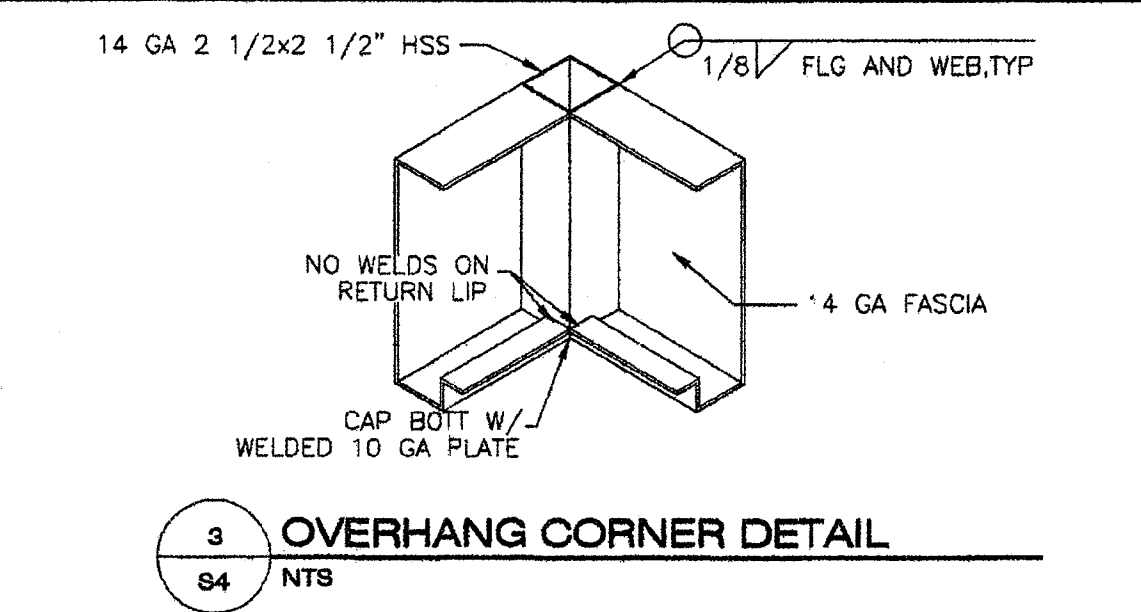
- KEY NOTES -**
- 1 3 1/2"x3 1/2"x1/4" HSS
  - 2 FLOOR BEAM PER SCHEDULE BELOW
  - 3 LONGITUDINAL ROOF CHANNEL PER 5/S3.1
  - 4 12 GA. TRANSVERSE ROOF CHANNEL PER 6/S3.1
  - 5 6" Ø MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT PER 5/S4. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. NOTE: IF HOLE IS 3" OR LESS THEY MAY BE SPACED AT 24" O.C. MINIMUM.
  - 6 4" Ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT PER 6/S4. 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 ENCLOSED OVERHANG REFER TO DETAIL 1/S4
  - 8 OPENING FOR HVAC UNIT

**- FLOOR BEAM SCHEDULE -**

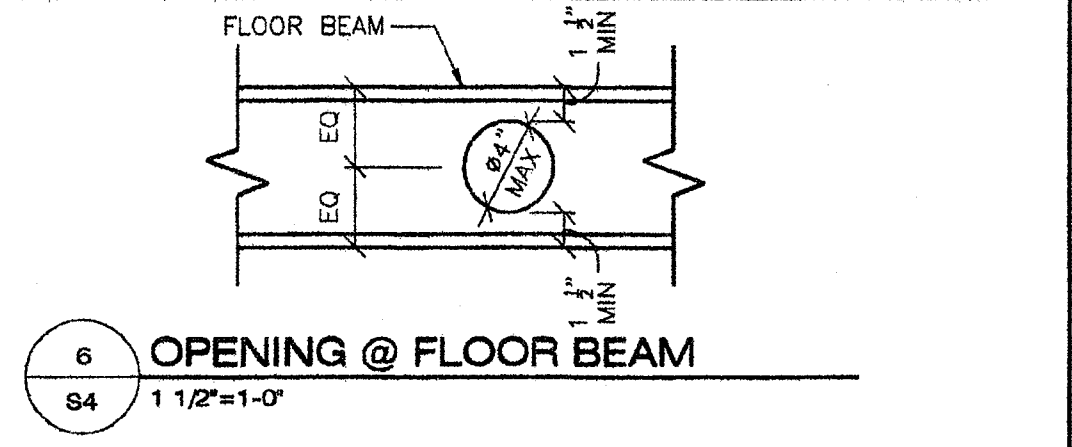
SUBFLOOR TYPE	FLOOR BEAM SIZE	ALTERNATES
VIROC OR PLYWOOD	C7x9.8	C9x13.4, C10x15.3
CONCRETE	CSx13.4	C10x15.3



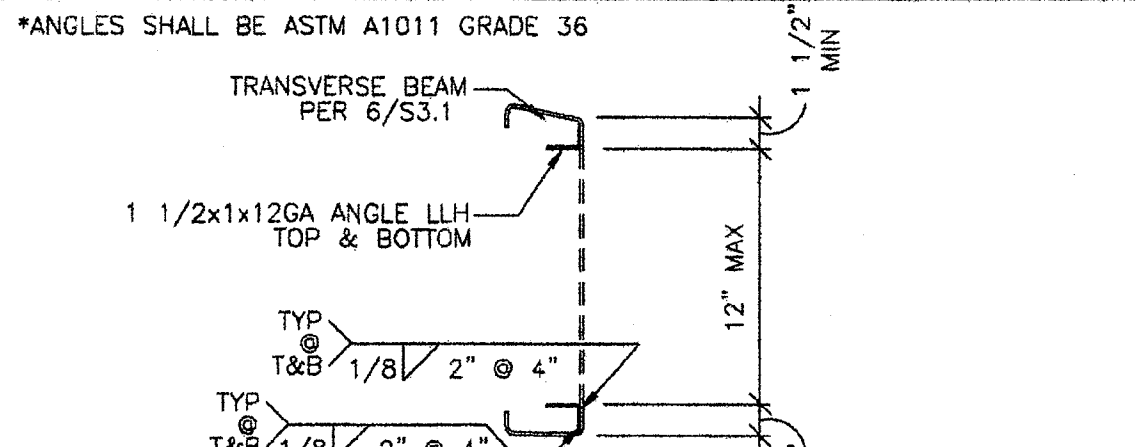
**5 OPENING @ ROOF BEAMS**  
S4 1 1/2"=1'-0"



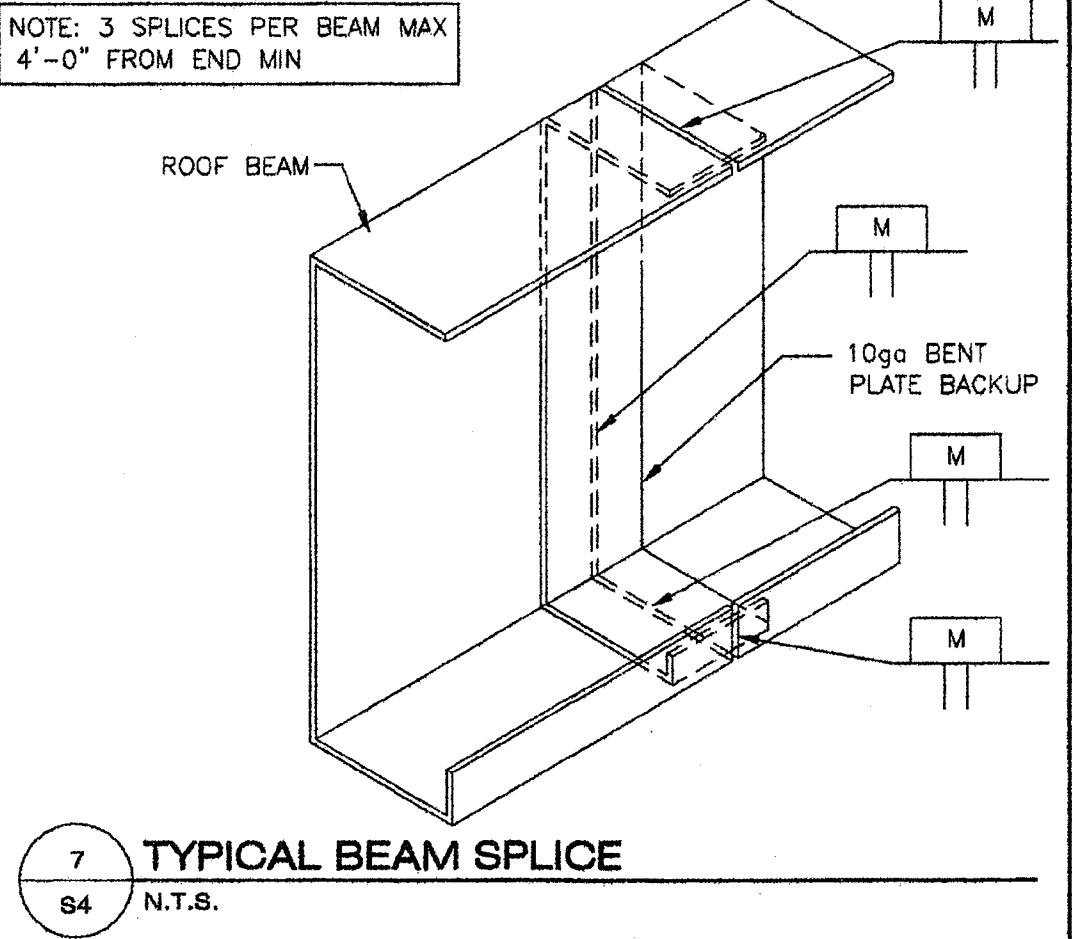
**3 OVERHANG CORNER DETAIL**  
S4 N.T.S.



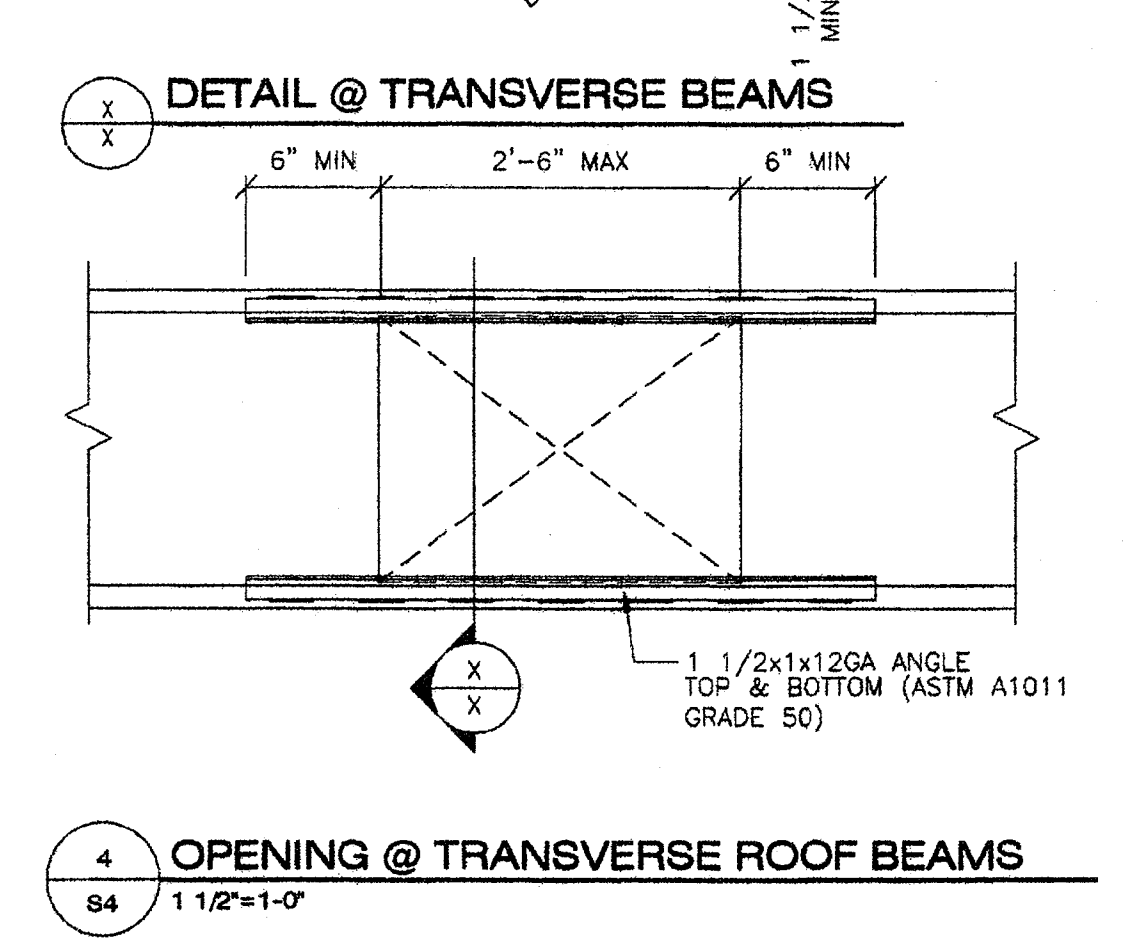
**6 OPENING @ FLOOR BEAM**  
S4 1 1/2"=1'-0"



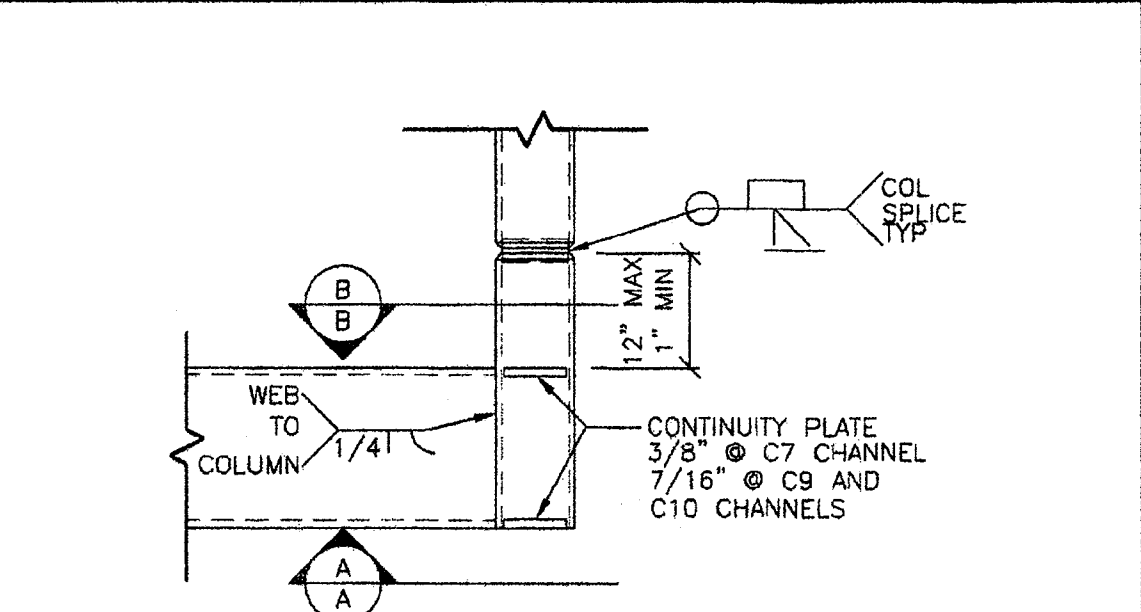
**DETAIL @ TRANSVERSE BEAMS**  
S4 N.T.S.



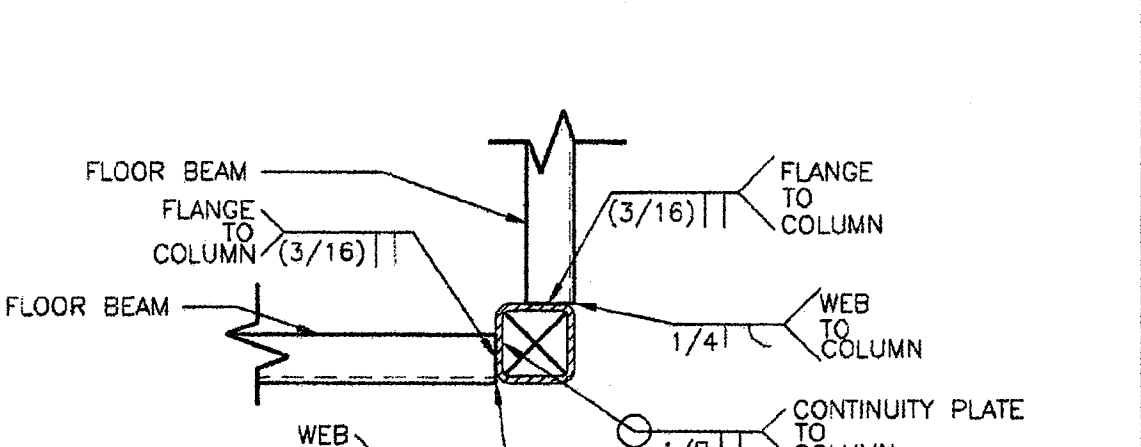
**7 TYPICAL BEAM SPLICE**  
S4 N.T.S.



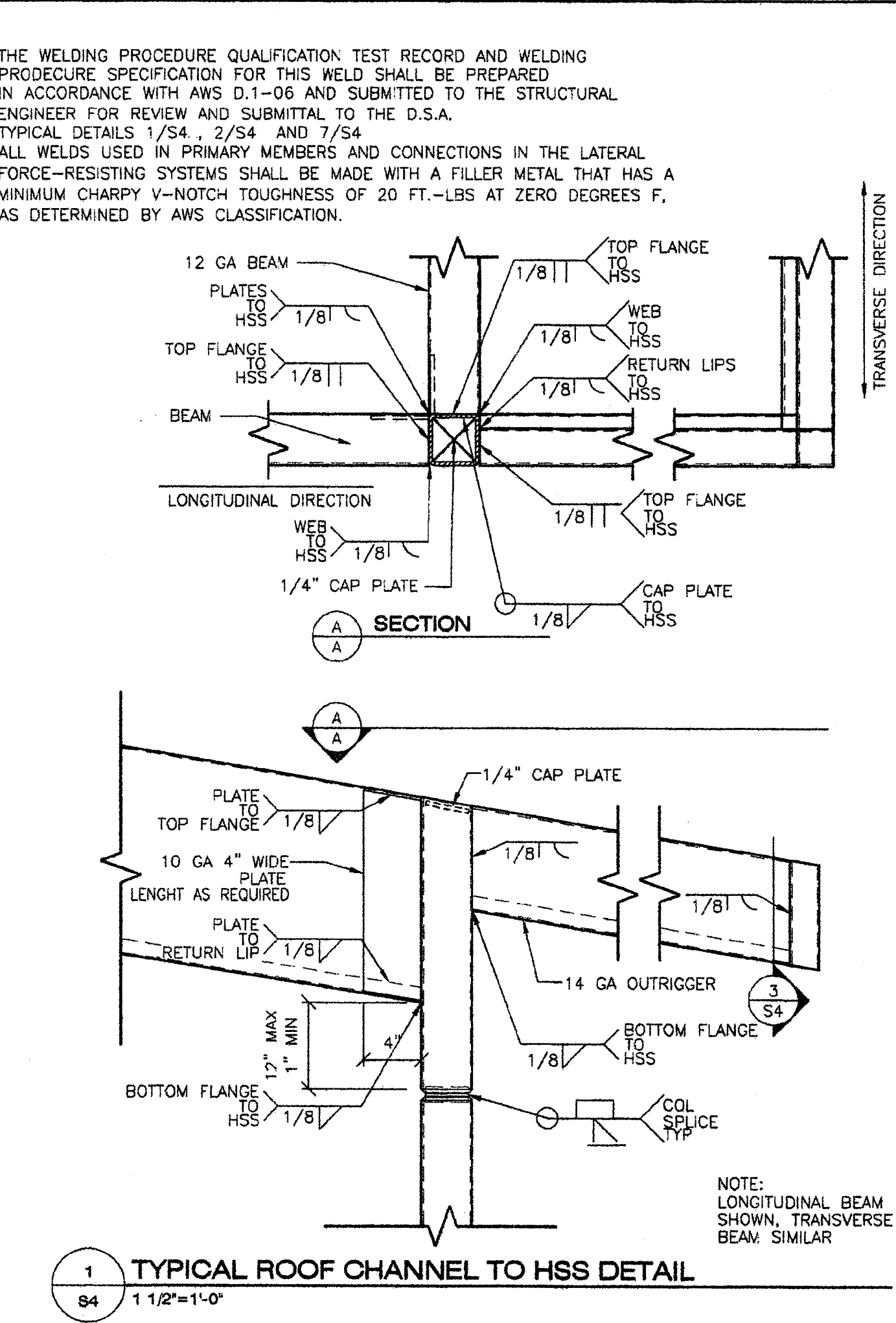
**4 OPENING @ TRANSVERSE ROOF BEAMS**  
S4 1 1/2"=1'-0"



**2 TYPICAL CORNER TO BEAM DETAIL**  
S4 1 1/2"=1'-0"



**2 TYPICAL CORNER TO BEAM DETAIL**  
S4 1 1/2"=1'-0"



**1 TYPICAL ROOF CHANNEL TO HSS DETAIL**  
S4 1 1/2"=1'-0"

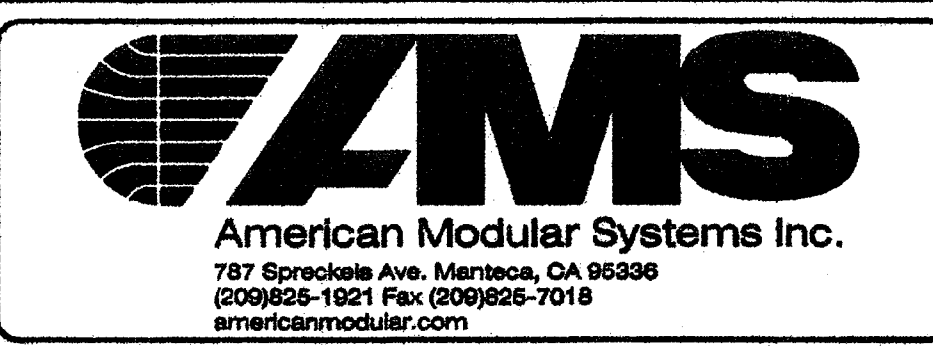
THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D.1-06 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A. TYPICAL DETAILS 1/S4, 2/S4 AND 7/S4 ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHAMPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.

**REVISIONS**

NO.	DATE	DESCRIPTION

DATE: \_\_\_\_\_  
SCALE: NOTED  
DRAWN BY: RL  
SERIAL NO.: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_  
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS  
TYPICAL FRAME ELEVATIONS

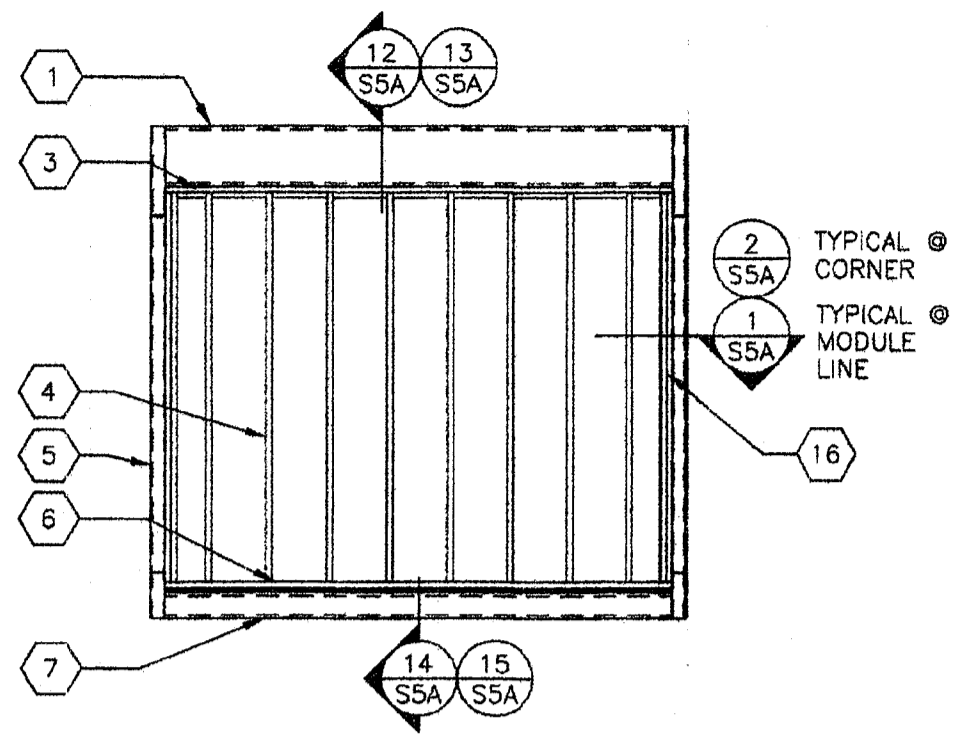


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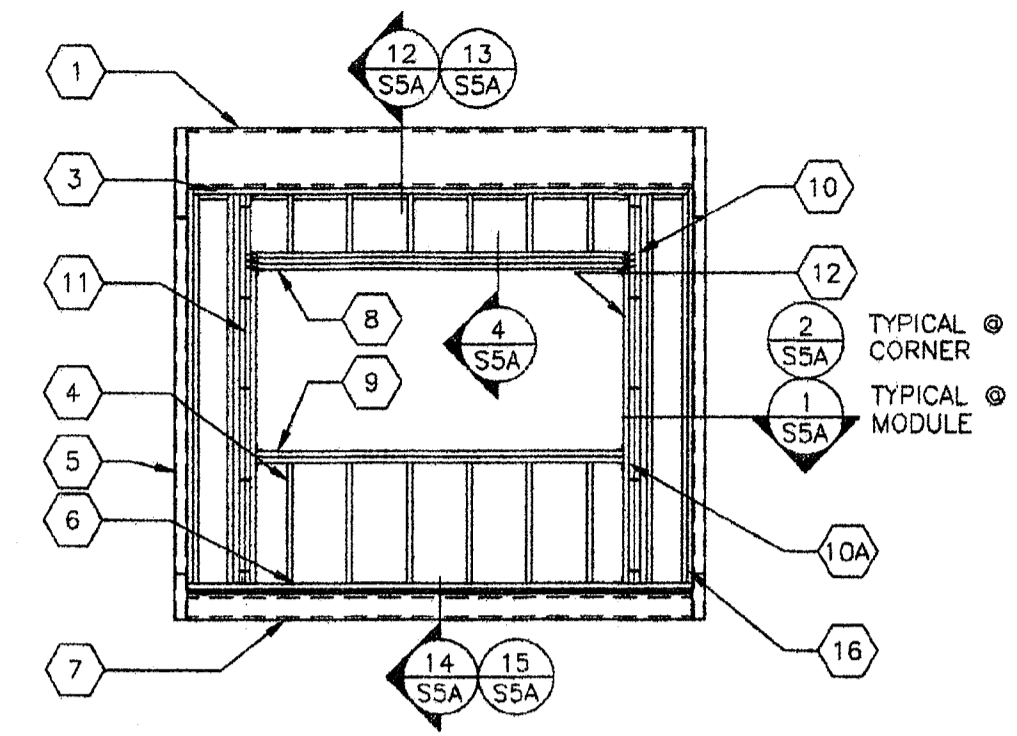
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
03 112884  
AC FLS SS  
DATE 6-18-09

PROJECT No. \_\_\_\_\_  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-108701  
AC FLS SS  
DATE 6/19/09  
**S4**

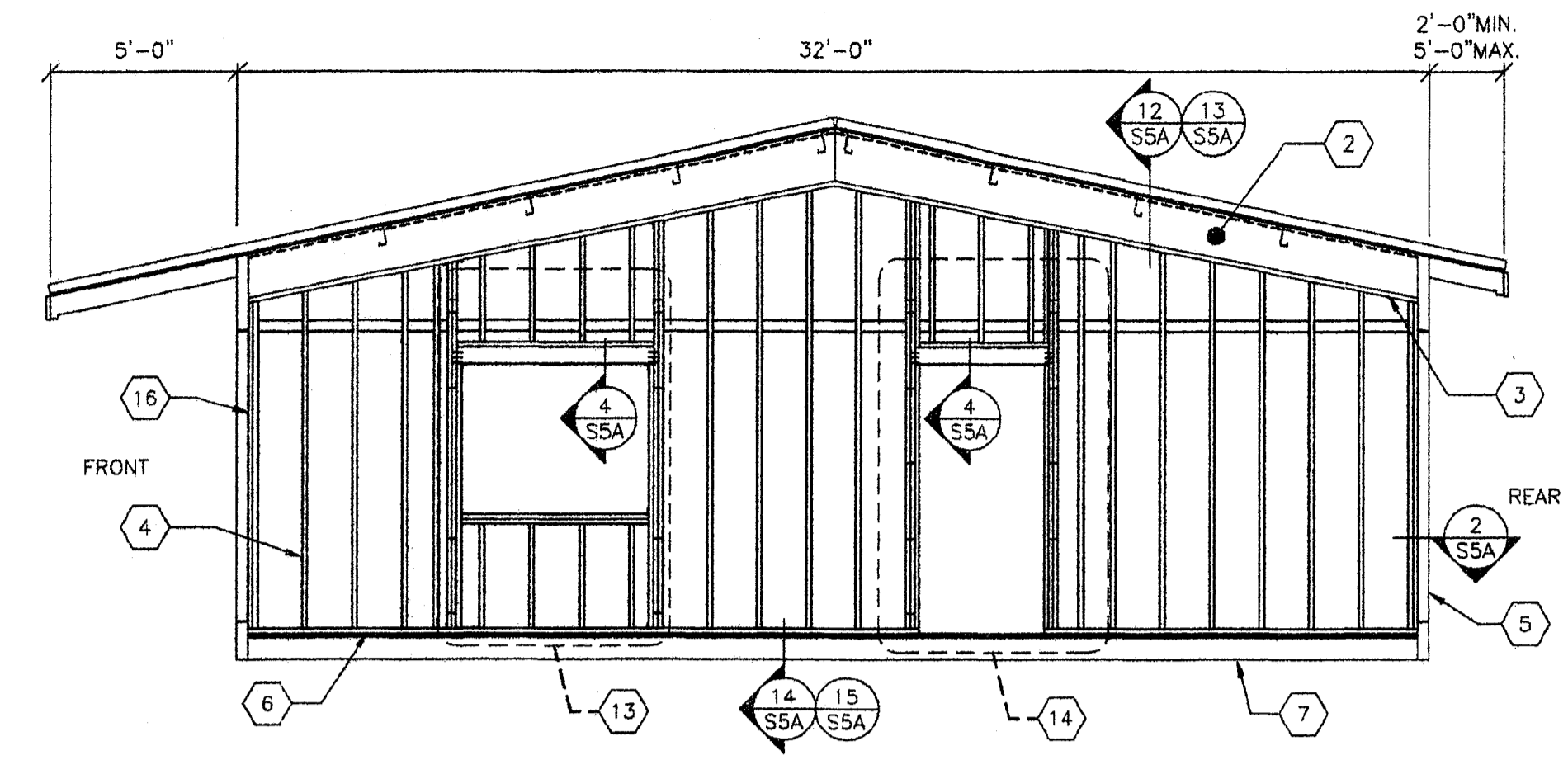
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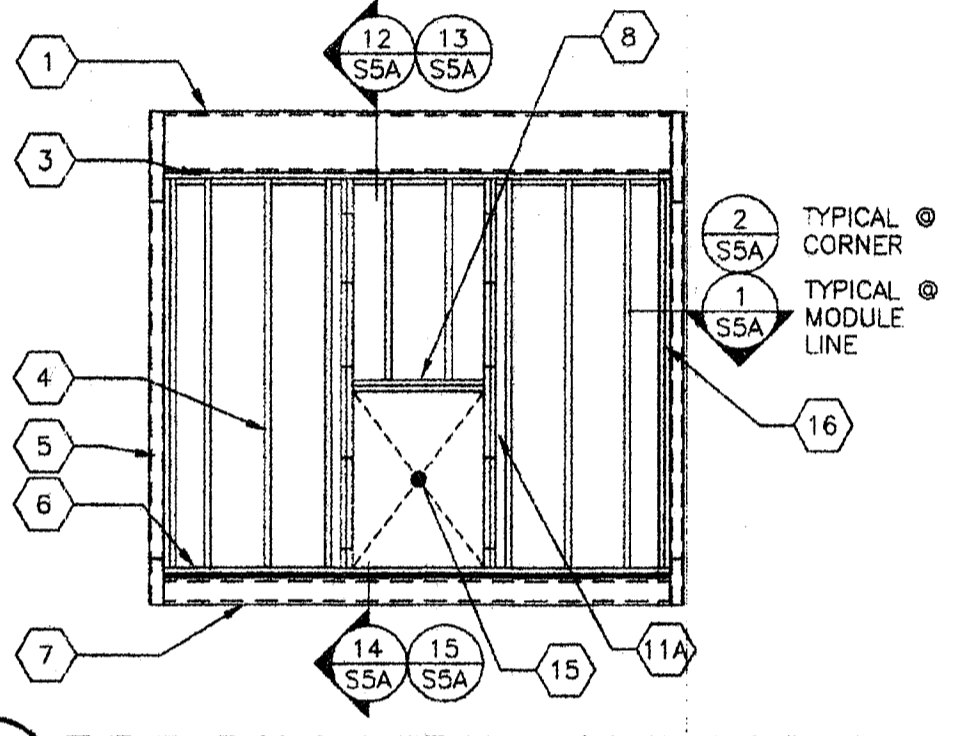
1 TYP END WALL FRAMING W/NO OPENINGS  
S5 1/4"=1'-0"



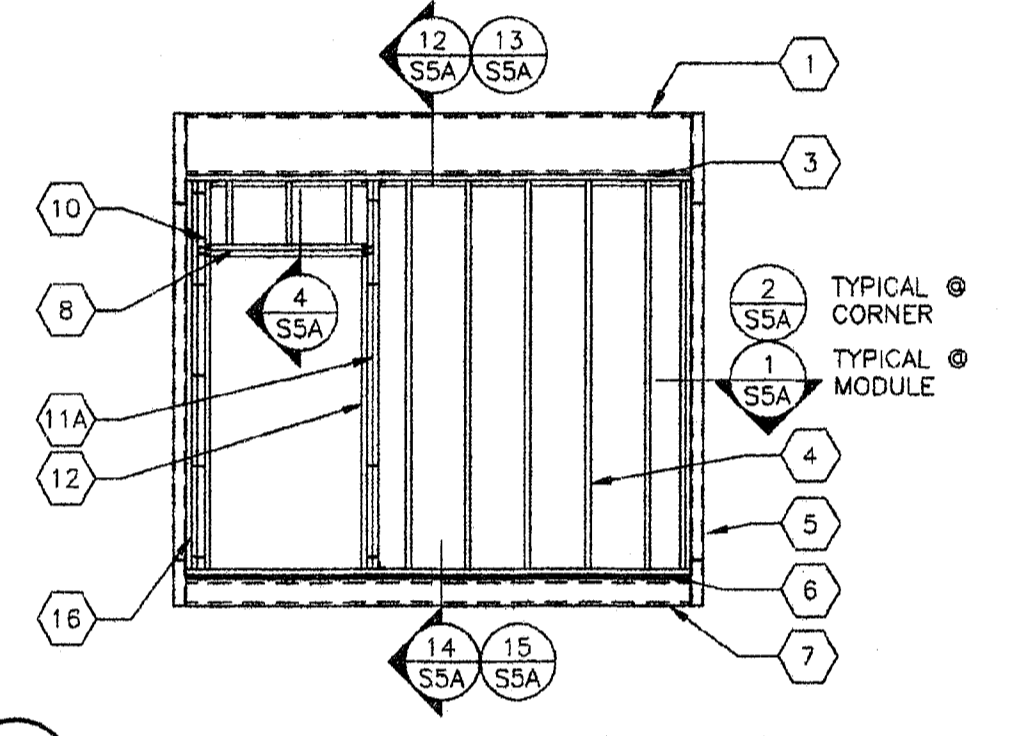
2 TYP END WALL FRAMING W/WINDOW  
S5 1/4"=1'-0"



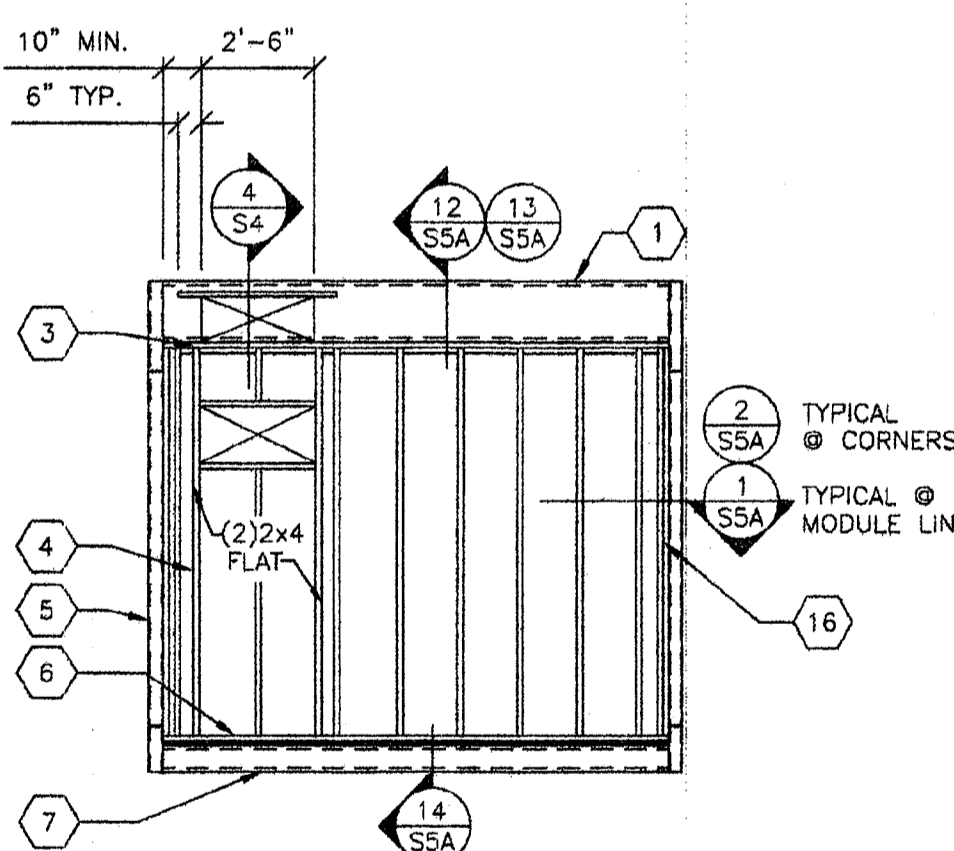
6 TYP SIDE WALL FRAMING  
S5 1/4"=1'-0"



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"



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

- KEY NOTES -

- 1 TRANSVERSE ROOF BEAM
- 2 LONGITUDINAL ROOF BEAM
- 3 2x HEM FIR #2 TOP PLATE
- 4 2x4 STUDS SPACED PER SCHEDULE W/(3), 1.31x3" NAILS @ EA. END @ TRANSVERSE WALLS. (2) 2x4 5 OR (1) 2x6 STUDS SPACED PER SCHEDULE W/(3), 1.31x3" NAILS @ EACH END @ LONGITUDINAL WALLS
- 5 HSS COLUMN
- 6 2x HEM FIR #2 BOTTOM PLATE  
2x PT @ CONCRETE FLOORS
- 7 PERIMETER FLOOR BEAM
- 8 HEADER  
PER DETAIL 4/S5A
- 9 (2) 2x HEM FIR #2 WINDOW SILL PLATE
- 10 (7), 1.31x3" END NAILS HEADER TO KING STUDS
- 10A (5), 1.31x3" END NAILS OR (2) A34 CLIPS WINDOW SILL TO KING STUDS
- 11 (3) 2x HEM FIR #2 KING STUDS W/(2) A34 T&B TO PLATES @ TRANSVERSE WALLS.  
(6) 2x HEM FIR #2 KING STUDS W/(2) A34 CLIPS T & B TO PLATES @ LONGITUDINAL WALLS.  
INTERNAL KING STUDS WITH .131 X 3" NAILS @ 12" O.C.
- 11A (2) 2x HEM FIR #2 KING STUDS W/(2) A34 CLIPS T & B TO PLATES  
INTERNAL KING STUDS WITH .131 X 3" NAILS @ 12" O.C.
- 12 2x HEM FIR #2 TRIMMER
- 13 OPTIONAL WINDOW OPENING  
MAX 6'-0" WIDE  
(REFER TO 2/SS FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- 14 OPTIONAL DOOR OPENING  
(REFER TO 4/SS FOR DETAILS AND FLOOR/PLANS FOR LOCATIONS)
- 15 HVAC OPENINGS @ INDOOR UNIT
- 16 2x NAILER

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/S2B NAILING PER BLDG SECTIONS	HEM FIR #2 DOUG FIR #2	@ 16" OC @ 16" OC	@ 16" OC @ 16" OC
5/16" HARDIBOARD WITH SYNTHETIC STUCCO EXPOSURE 1 WITH 7/8" STUCCO	WOOD OR CONCRETE	JOINT DETAIL AND NAILING PER DETAIL 1 SHEET 2	HEM FIR #2 DOUG FIR #2	@ 16" OC @ 16" OC	@ 16" OC @ 16" OC
1/2" PLYWOOD SHEATHING CONFORMING TO PS1-07, APA RATED, 5 PLY 32/16, EXPOSURE 1 WITH 7/8" STUCCO	CONCRETE ONLY	NAILING PER BLDG SECTIONS	HEM FIR #2 DOUG FIR #2	@ 16" OC @ 16" OC	@ 16" OC @ 16" OC

1. ALL NAILS IN EXTERIOR APPLICATIONS TO BE GALVANIZED.
2. WALL CORNERS ARE DEFINED AS A DISTANCE OF 6'-6" IN BOTH DIRECTIONS FROM EACH CORNER OF THE BUILDING. WALL CORNER STUD SPACING REQUIREMENTS ONLY NEED TO BE MET WHEN THE GROSS FLOOR AREA IS EQUAL TO OR GREATER THAN 2160 SQUARE FEET.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
CS 119884  
AC FLS SS  
DATE 8-18-09

REVISIONS		
NO	DATE	DESCRIPTION

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

CUSTOMER:  
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS  
WALL FRAMING ELEVATIONS

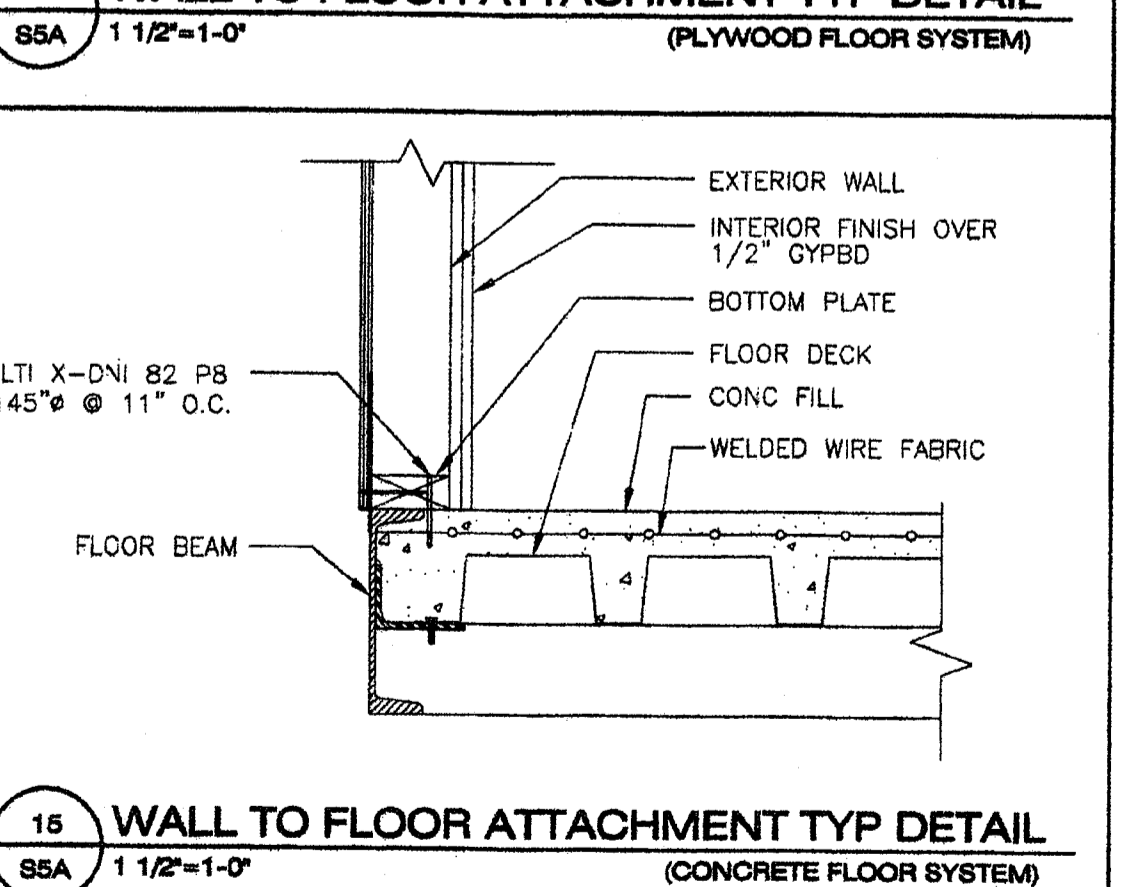
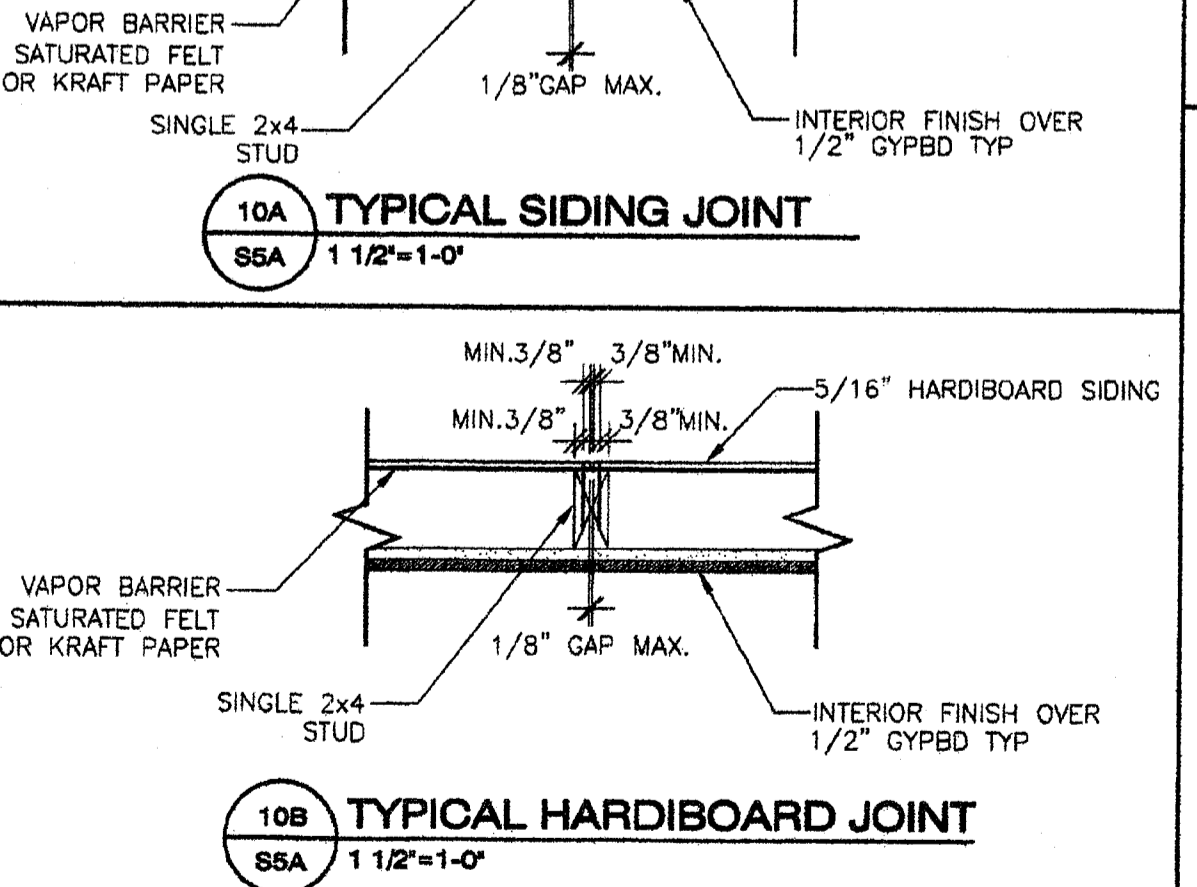
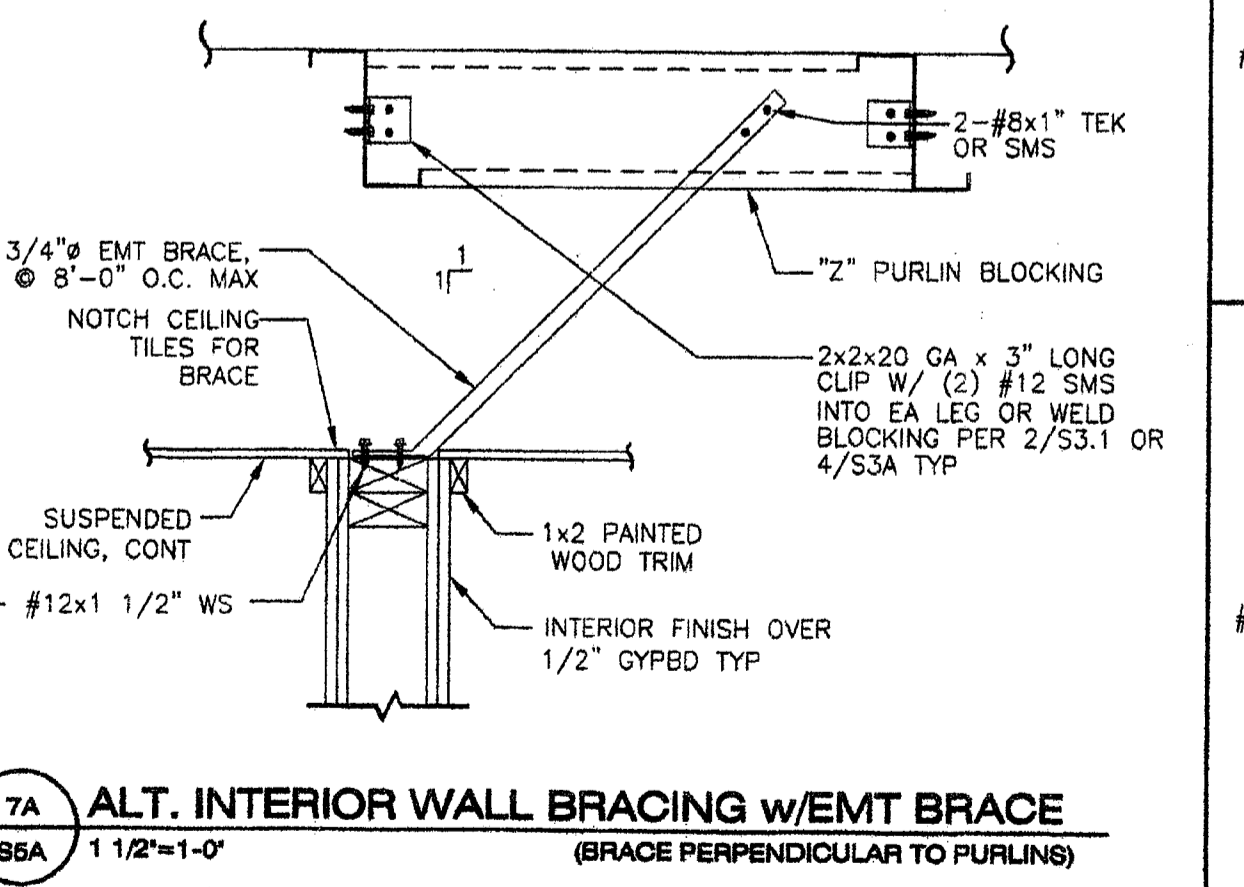
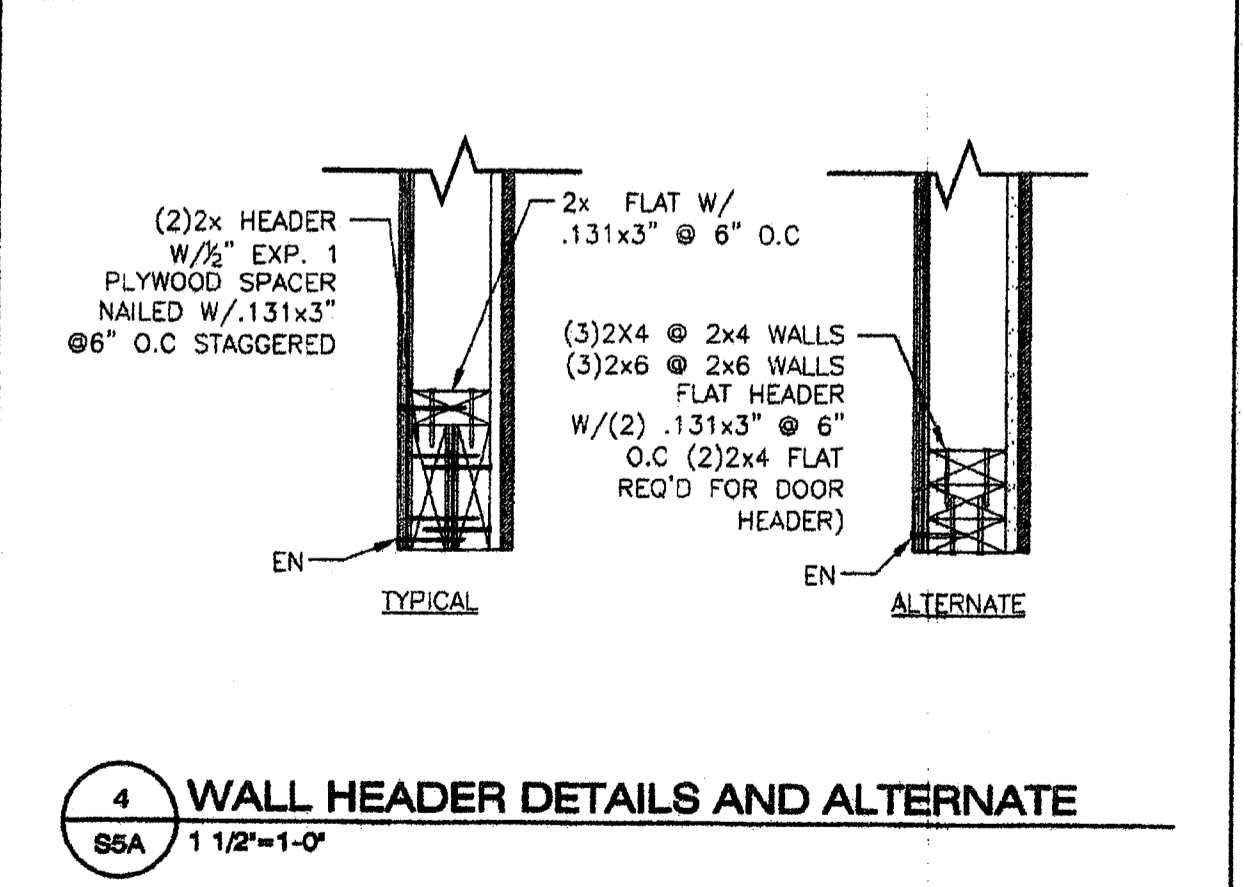
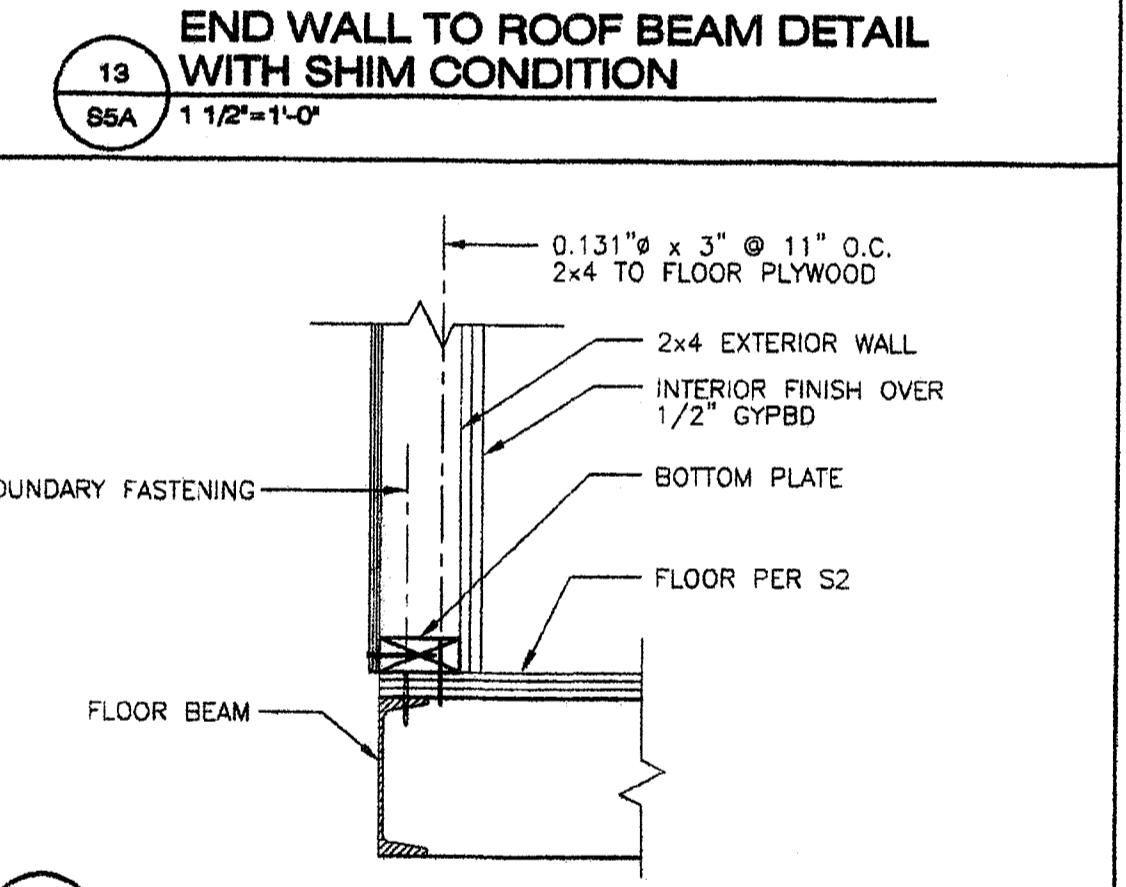
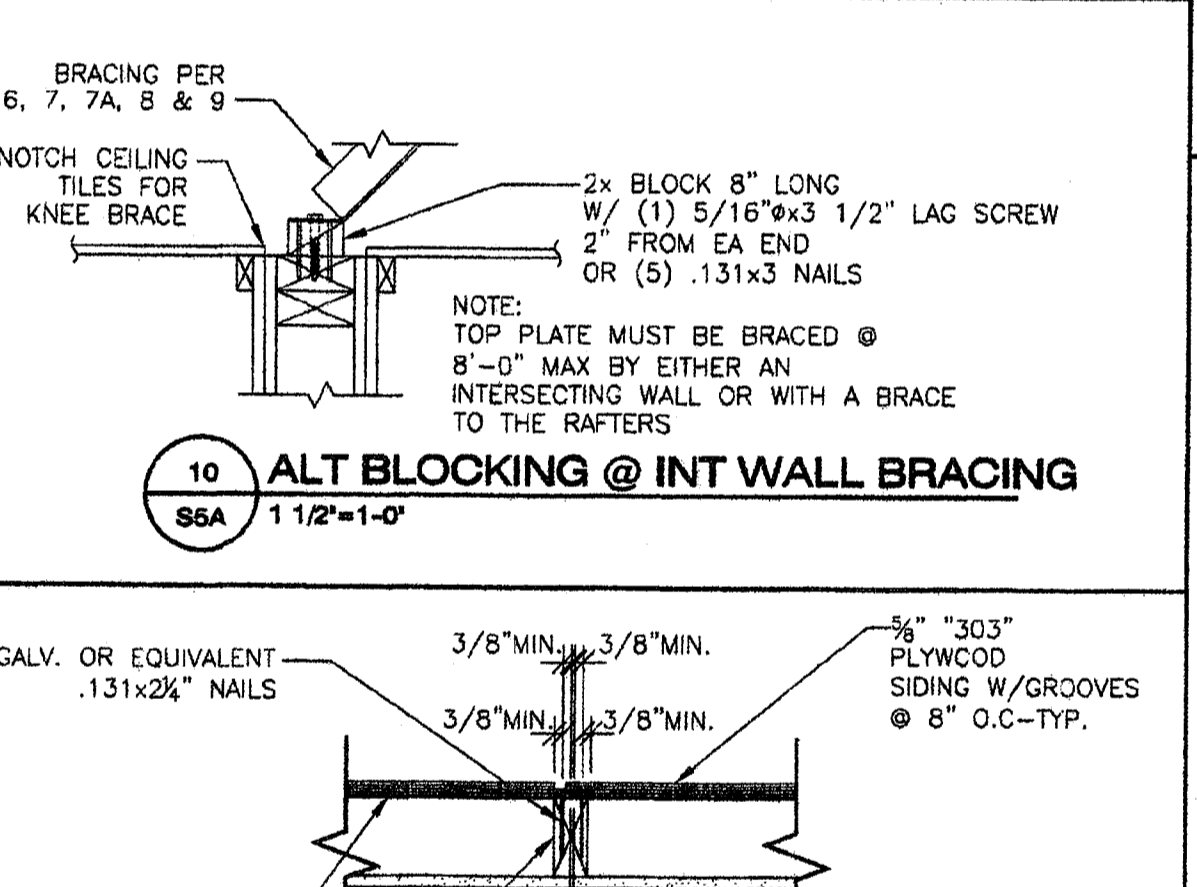
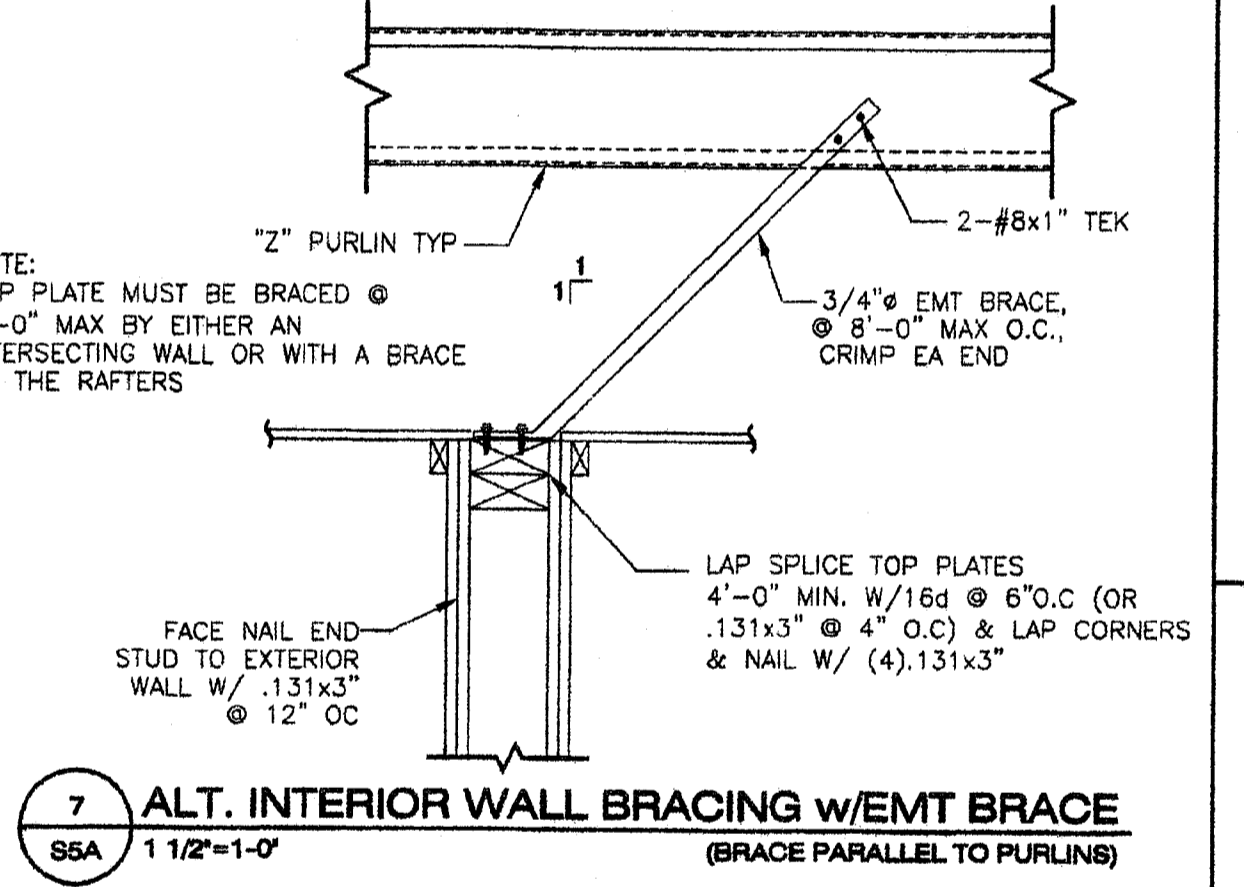
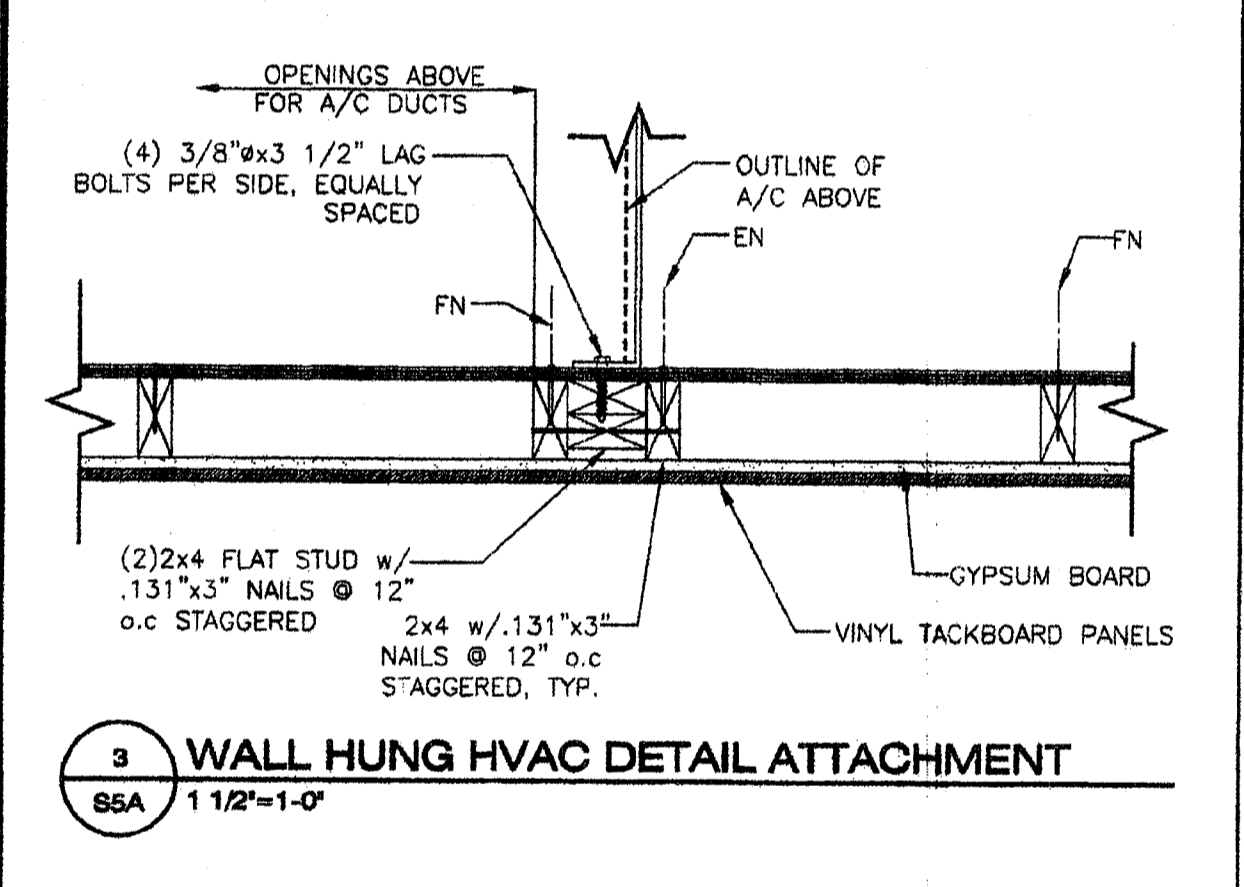
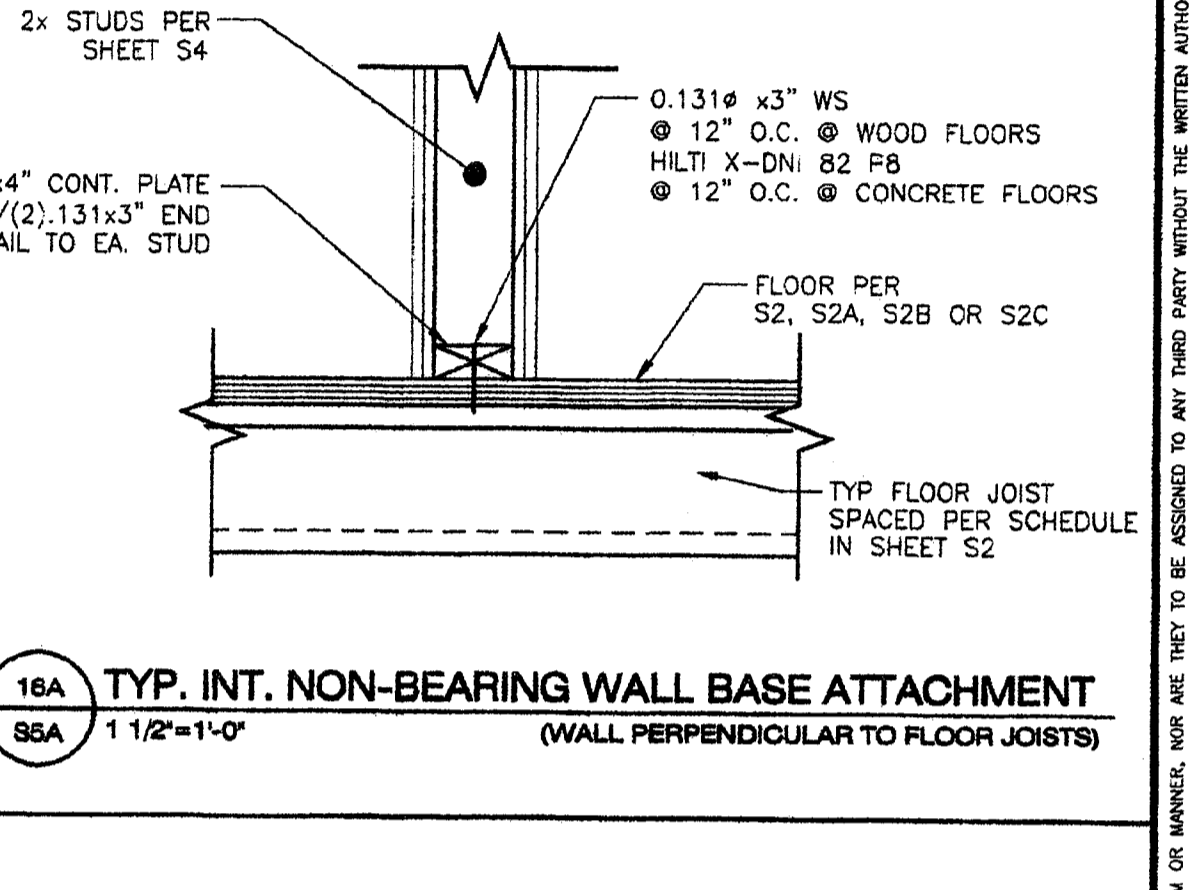
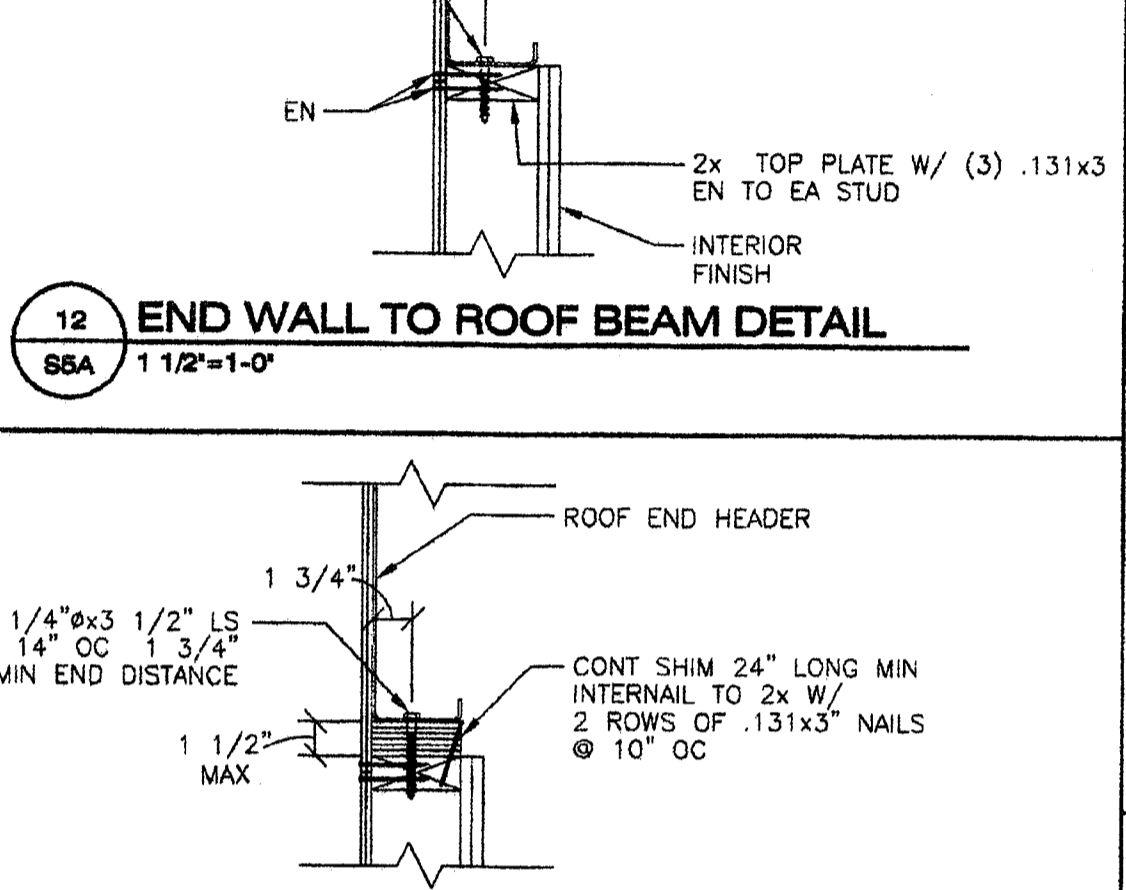
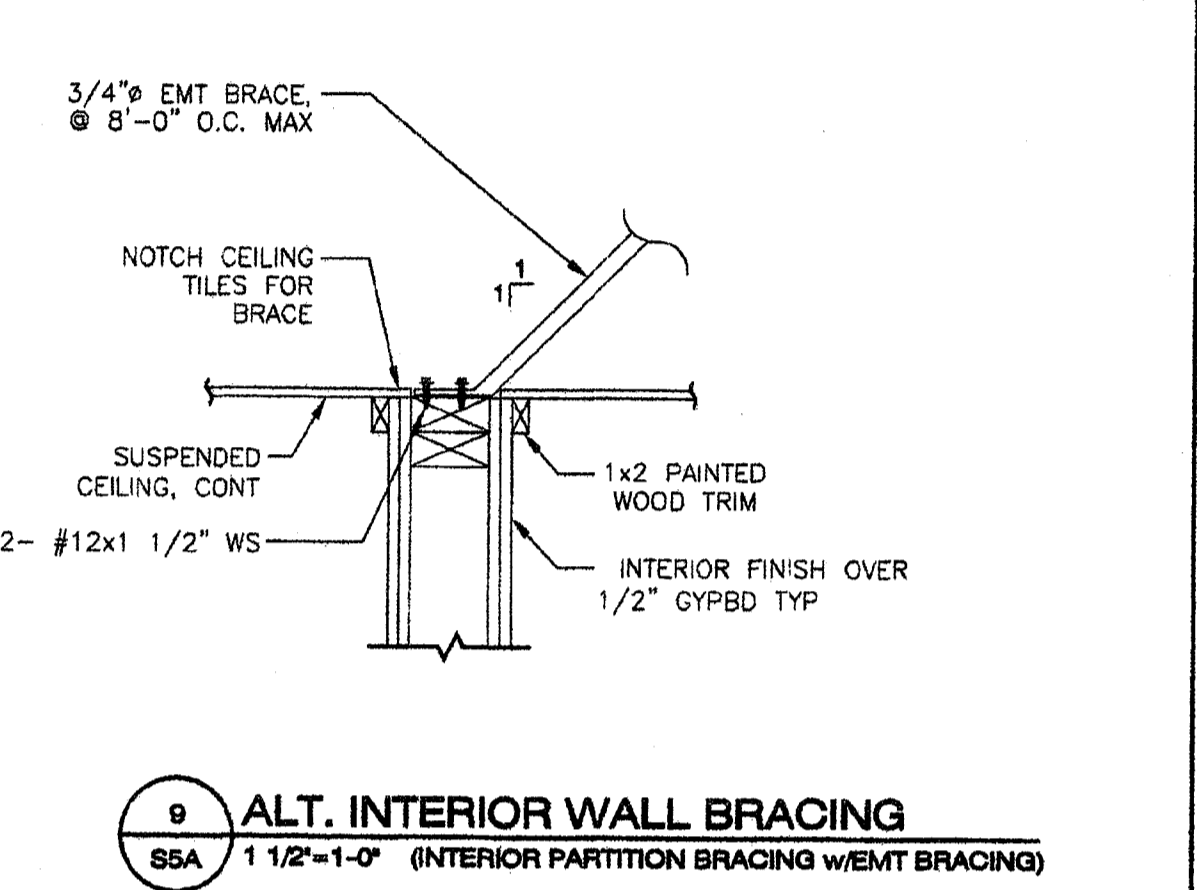
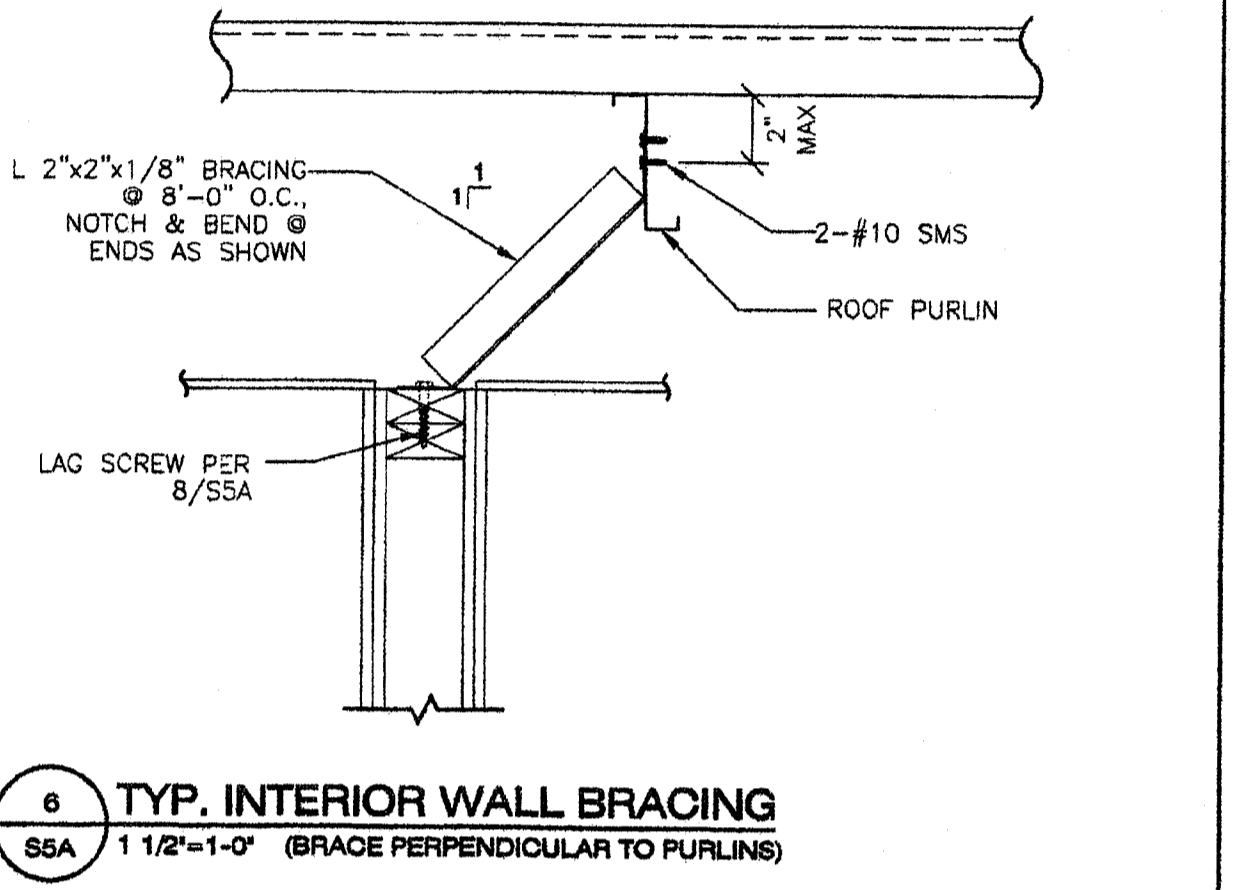
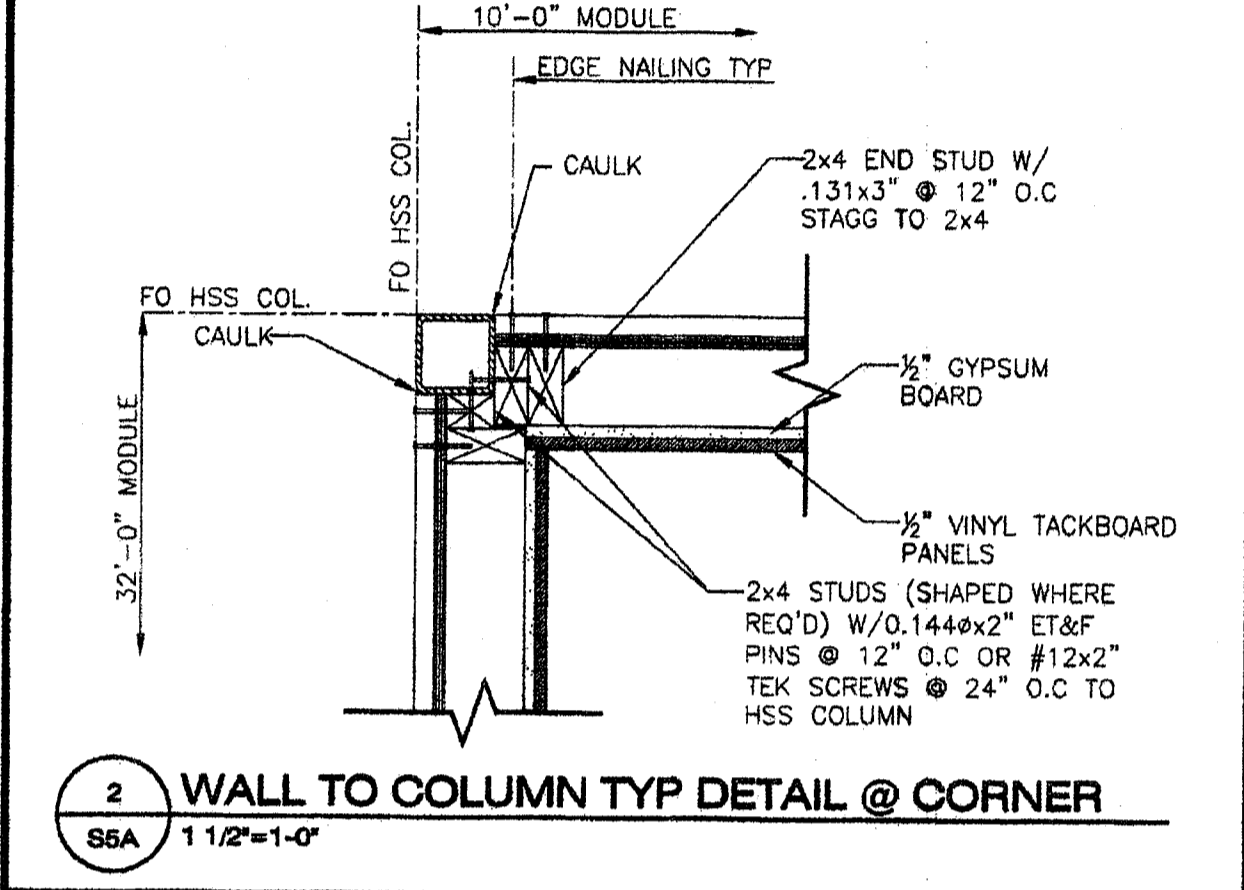
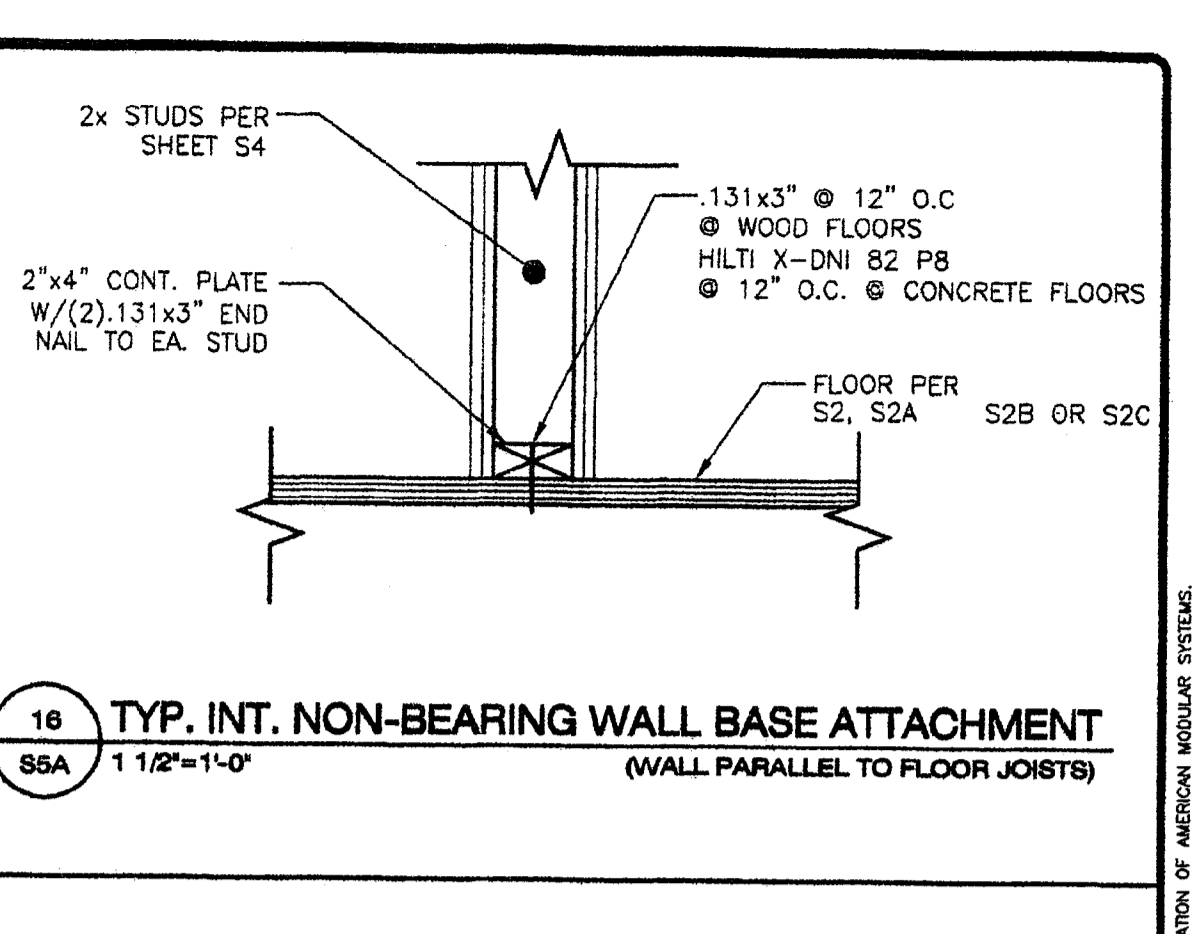
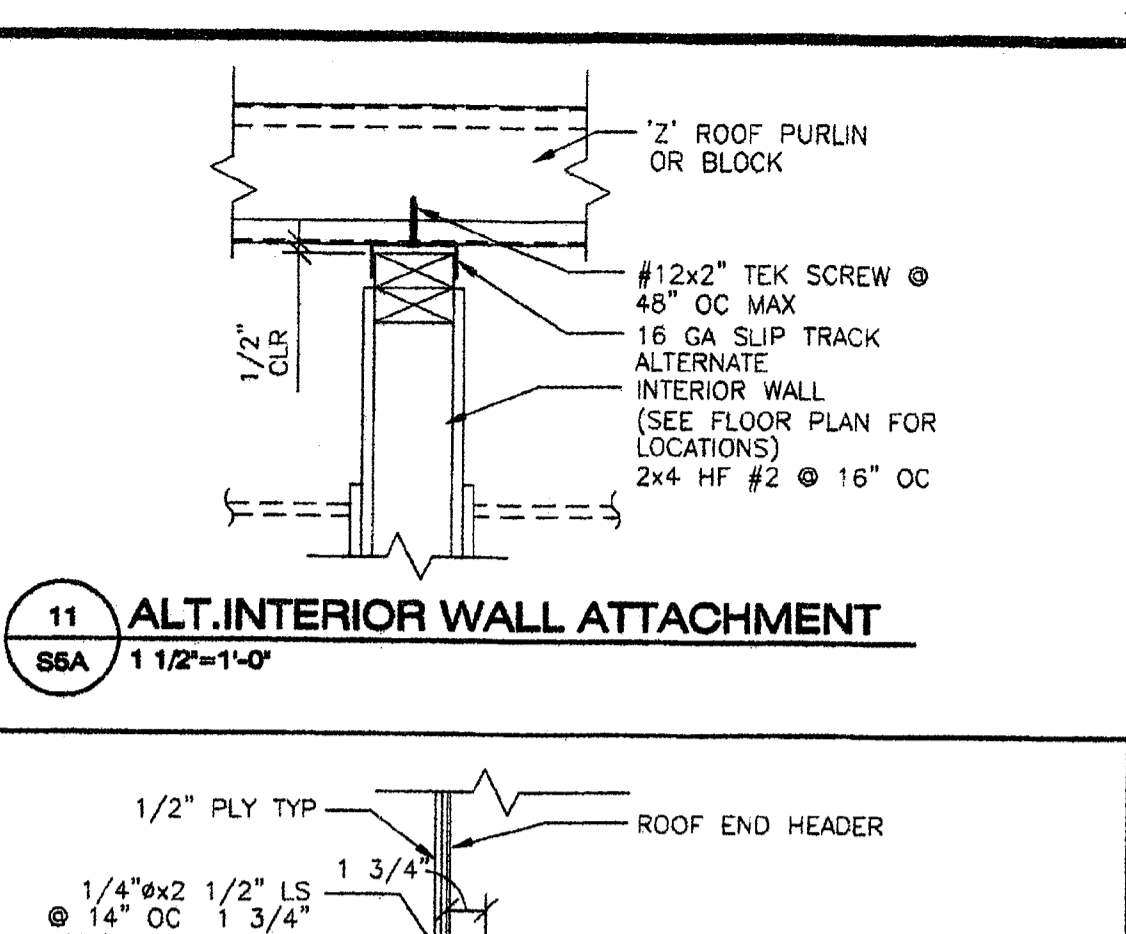
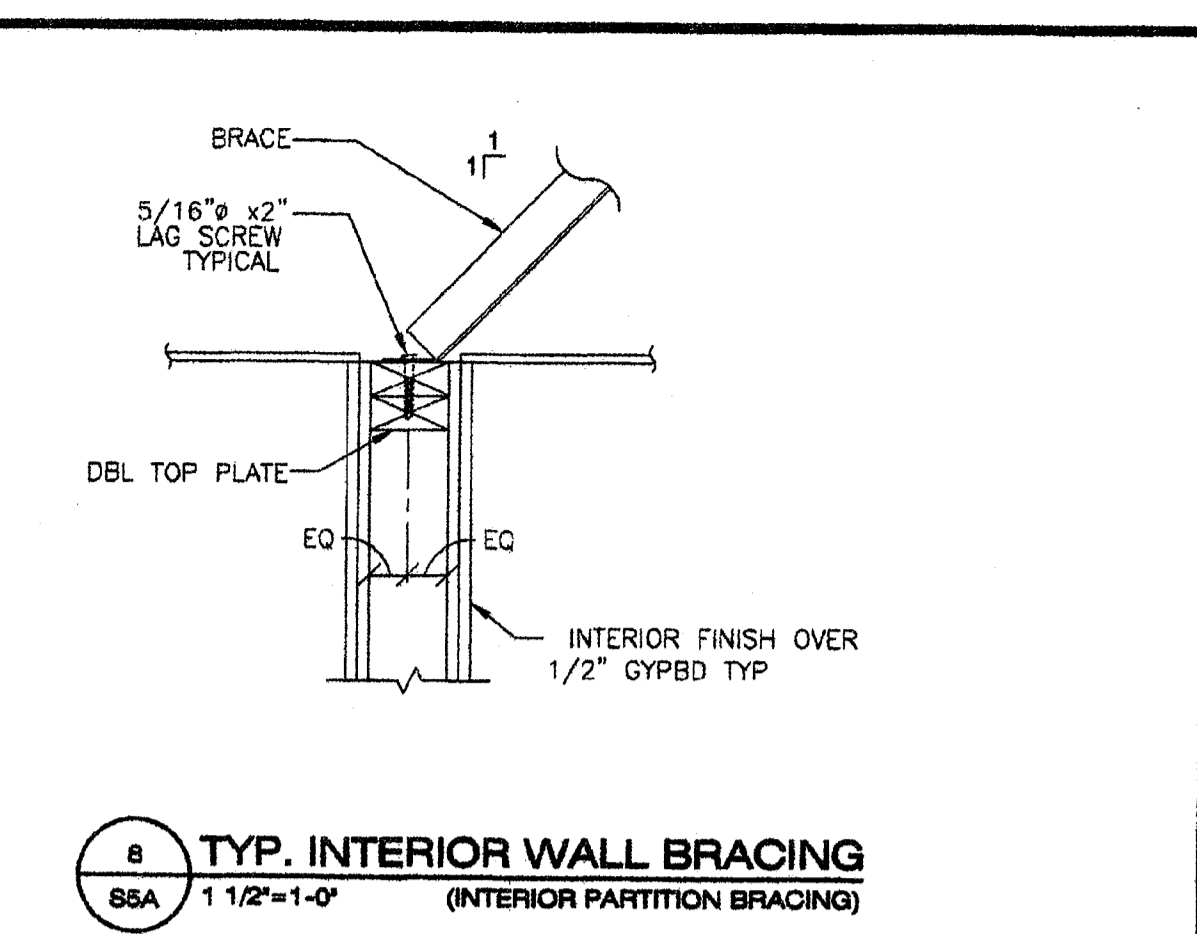
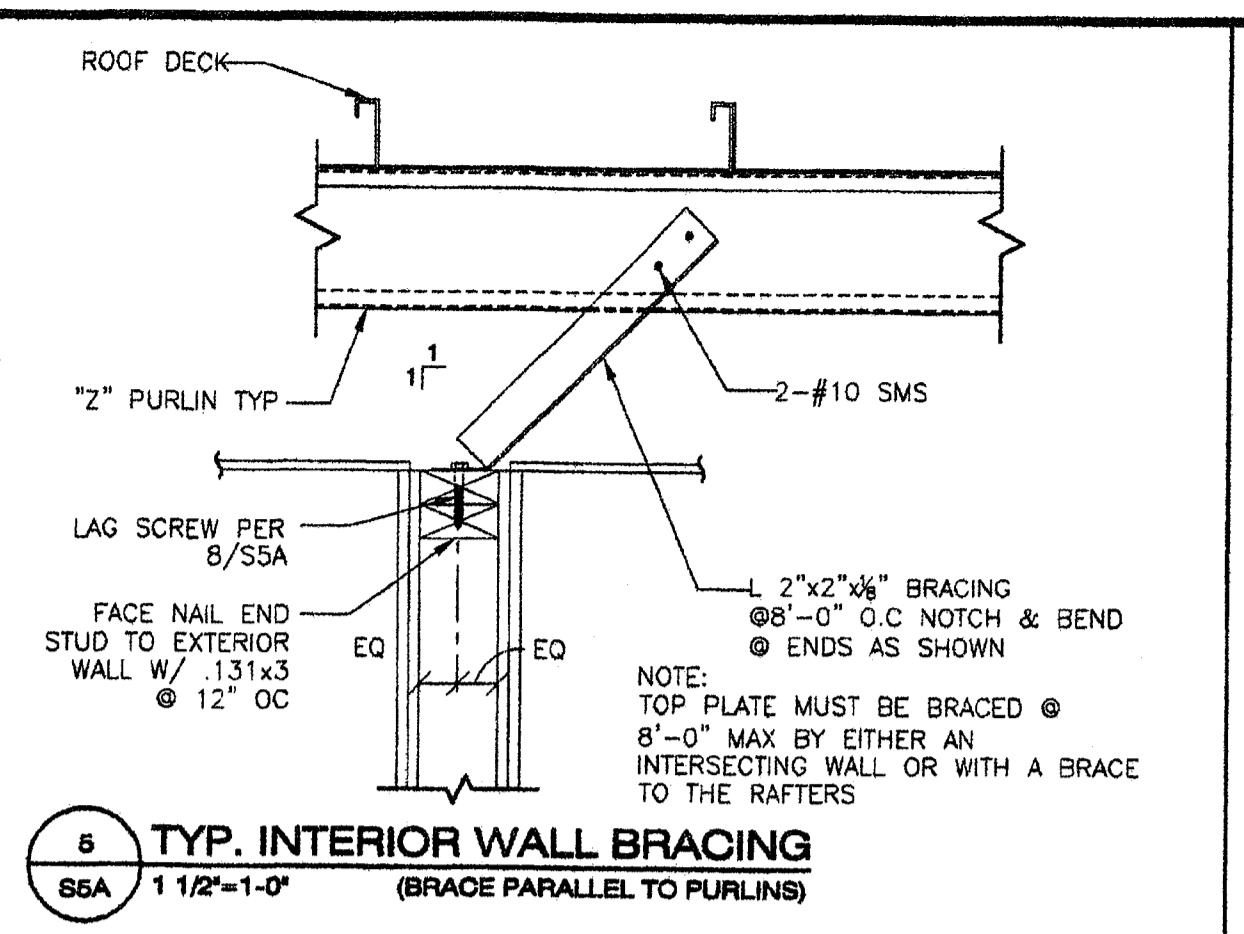
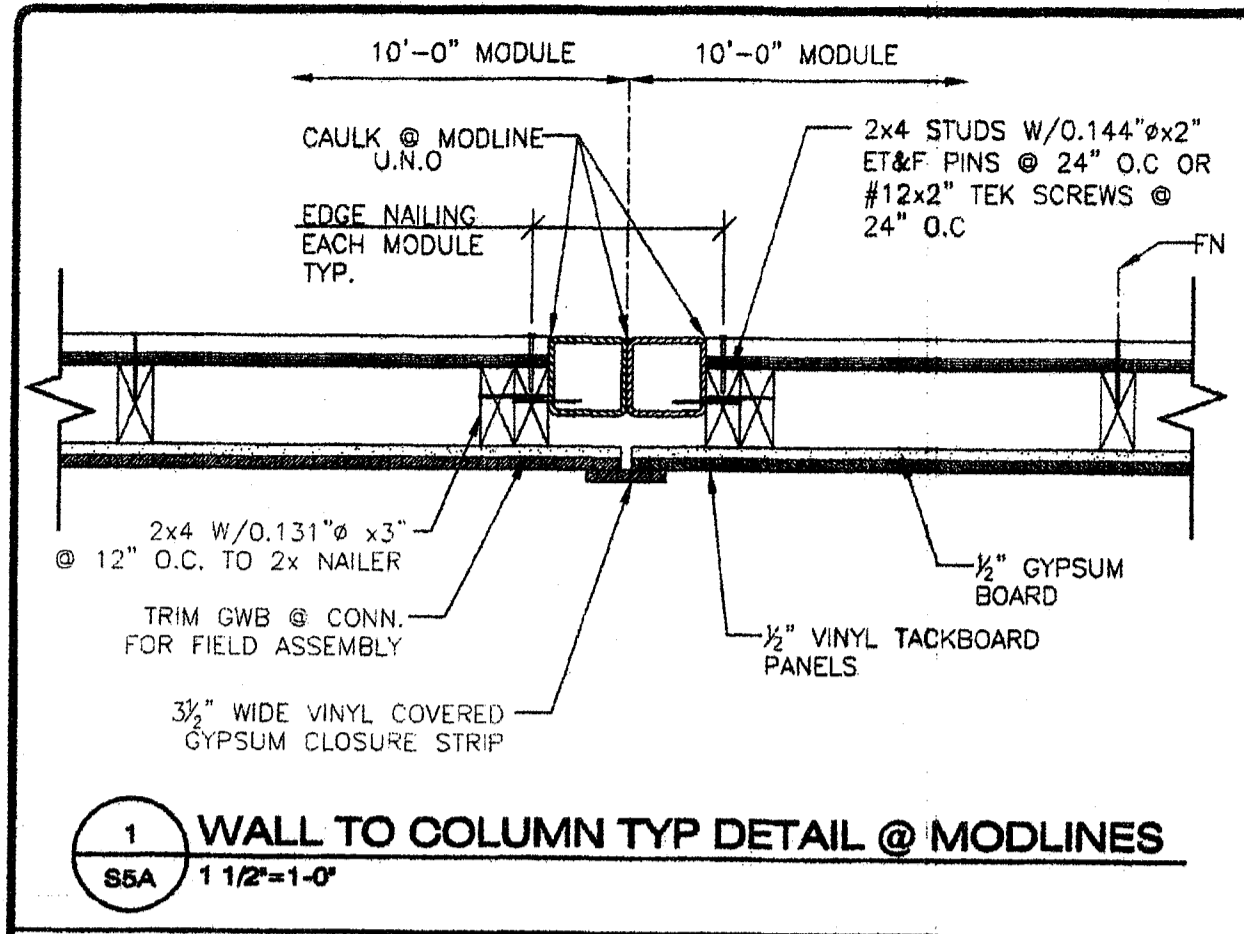
**AMS**  
American Modular Systems Inc.  
787 Sprockels Ave. Manteca, CA 95336  
(209)826-1921 Fax: (209)826-7018  
americanmodular.com

APPROVALS:  
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.  
REGISTERED PROFESSIONAL ENGINEER  
Kenneth A. Lubert  
No. 1419  
Exp. 9-31-11  
Structural Engineer  
STATE OF CALIFORNIA

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
OFFICE OF REGULATION SERVICES  
PC 02-109701  
AC FLS SS  
DATE 8/19/09  
PROJECT No.  
S5

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REVISIONS

NO	DATE	DESCRIPTION

DATE: 02/12/08

SCALE: NOTED

DRAWN BY: DM

SERIAL NO.:

CUSTOMER:

2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS WALL FRAMING DETAILS

**AMS**

American Modular Systems Inc.

787 Sorensen Ave. Manteca, CA 95336

(209)825-1921 Fax: (209)825-7018

americanmodular.com

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REGISTERED PROFESSIONAL ENGINEER

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

PC 02-109701

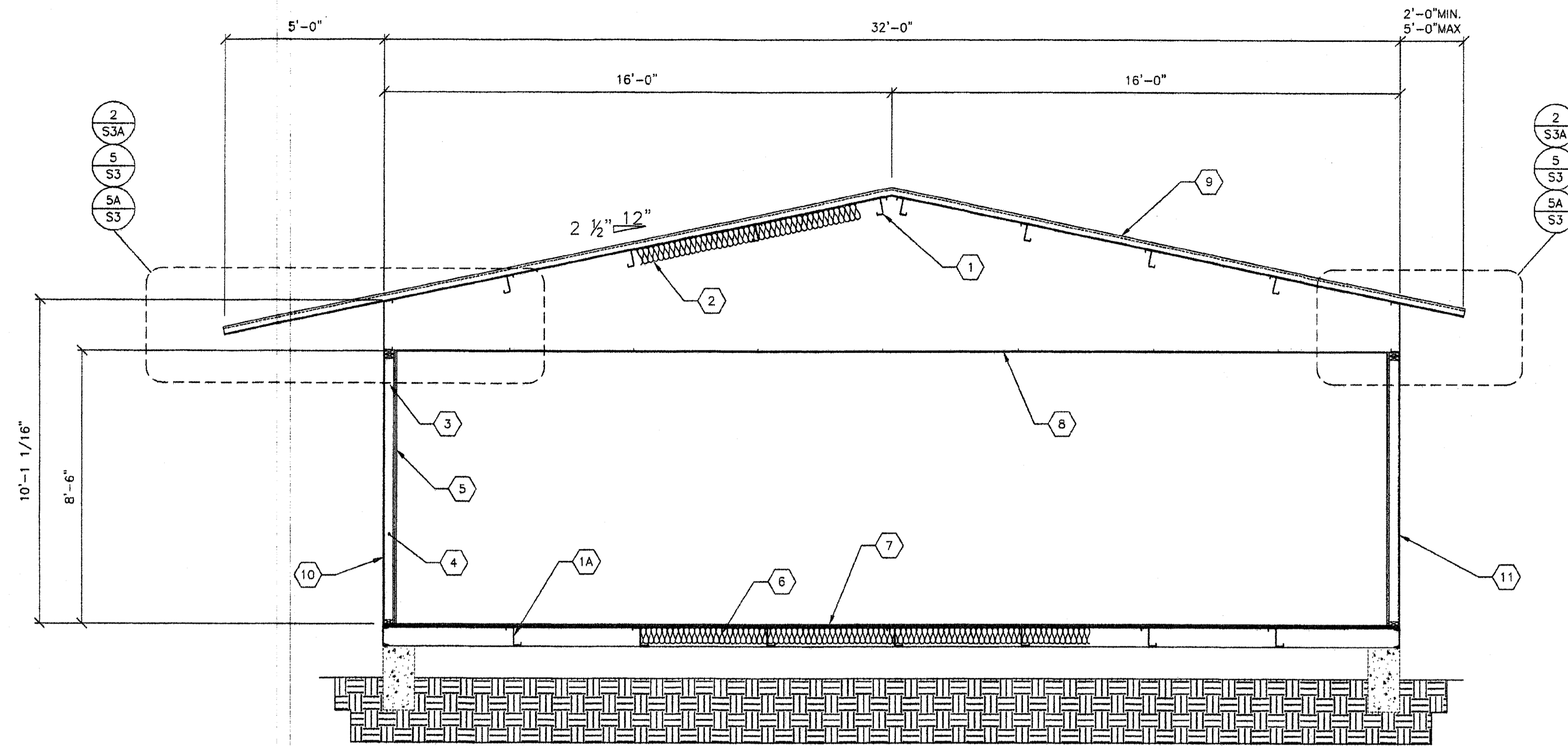
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DATE: 2/19/09

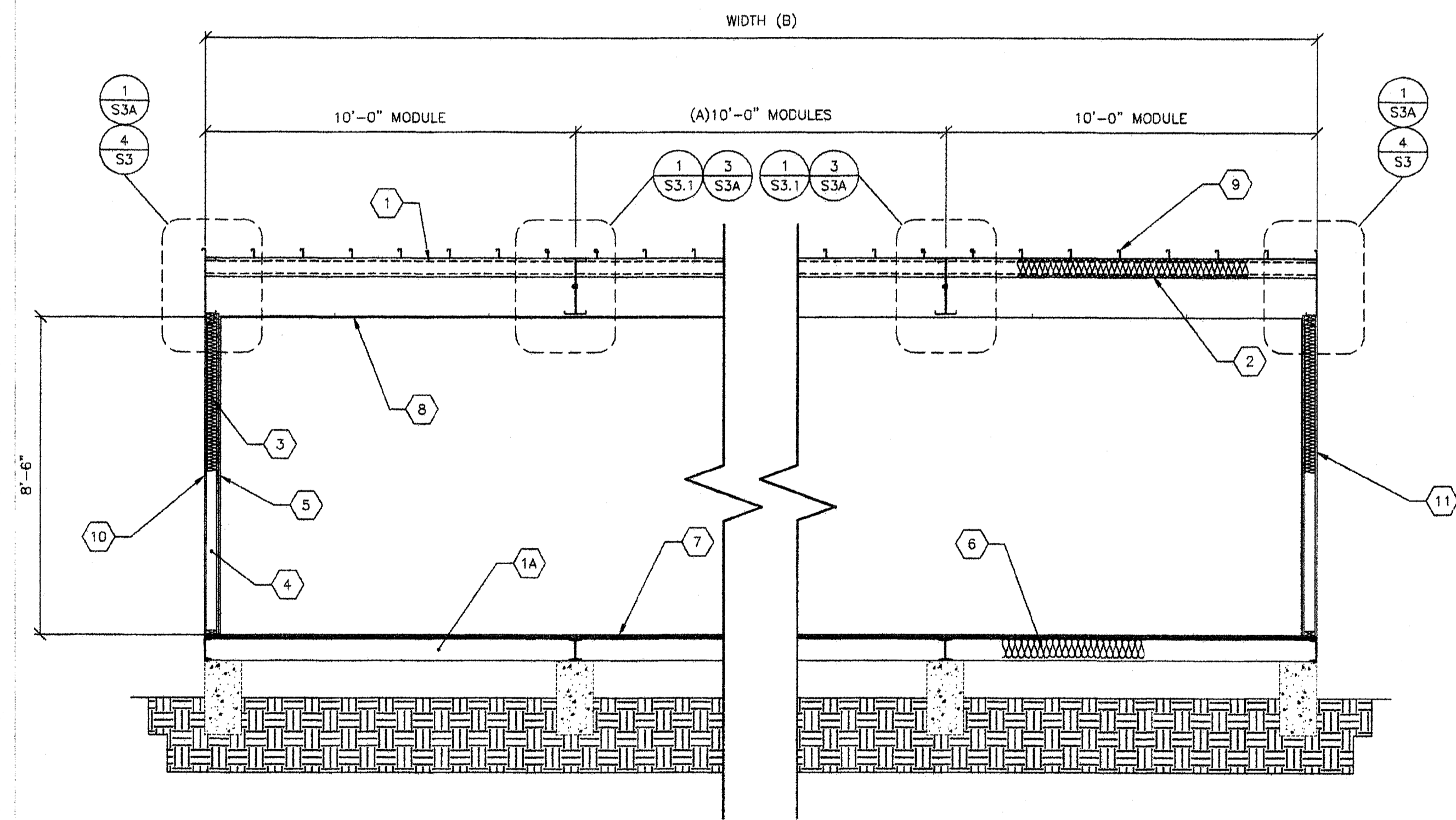
PROJECT No.

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**A TYP. LONGITUDINAL SECTION**  
S7 3/8"=1'-0"



**B TYP. TRANSVERSE SECTION**  
S7 3/8"=1'-0"

- KEY NOTES -**
- 1 "Z" PURLINS @ 48" O.C
  - 1A STEEL "Z" FLOOR JOISTS
  - 2 R-19 INSULATION w/22 GA WIRE @ 16" O.C
  - 3 INSULATION w/KRAFT PAPER
  - 4 2x STUDS PER ELEV. S5
  - 5 VINYL FABRIC ON RIGID TACKABLE BACKING
  - 6 INSULATION w/KRAFT PAPER AND CHICKEN WIRE
  - 7 1 1/8" PLYWOOD FLOOR SHEATHING FOR ALT SEE SHEET S2A, S2B OR S2C
  - 8 SUSPENDED T-BAR CEILING
  - 9 METAL ROOF PANELS SEE ROOF FRAMING PLAN
  - 10 EXTERIOR FINISH PER ARCHITECTURAL SCHEDULE
  - 11 EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS TYP.

**- MODULE SCHEDULE -**

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
30' x 32'	3	1	30'-1/2"
40' x 32'	4	2	40'-3/4"
50' x 32'	5	3	50'-1"
60' x 32'	6	4	60'-1 1/4"
70' x 32'	7	5	70'-1 1/2"
80' x 32'	8	6	80'-1 3/4"
90' x 32'	9	7	90'-2"
100' x 32'	10	8	100'-2 1/4"
110' x 32'	11	9	110'-2 1/2"
120' x 32'	12	10	120'-2 3/4"

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DW. OF THE STATE ARCHITECT  
05 112884  
AC. FLS. SS. SS.  
DATE 8-13-09

**REVISIONS**

NO	DATE	DESCRIPTION

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

CUSTOMER:  
2 1/2:12 PITCHED ROOF 30' x 32' THRU 120' x 32' RELOCATABLE BUILDINGS  
TYPICAL LONGITUDINAL AND TRANSVERSE FRAME ELEVATION



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

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DATE 6/19/09  
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**S7**

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