MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE.
BAKERSFIELD, CA 93309

BUILDING DATA	APPLICABLE CODES:
OCCUPANCY = E TYPE OF CONSTRUCTION = VB (NON-SPRINKLERED) BUILDING GROUP #1 + GROUP #2 10 CLASSROOMS @ 960 S.F. (24'x40') EA. = 9,600 S.F. PER 2007 C.B.C. TABLE 503: 9,600 PROPOSED > 9,500 ALLOWABLE = AREA INCREASE REQUIRED AREA INCREASE (CBC SECTION 506) AREA INCREASE (2-SIDES) $= A_t + (A_t \times I_f) + (A_t + I_s)$ $I_f = \frac{(F/P - 0.25)W}{30}$ AREA INCREASE (2 SIDES) $= 9500 + (9500 \times 0.25) = 11,875$ S.F. $\frac{(200/400 - 0.25)30}{30} = 0.25$ 9,600 PROPOSED < 11,875 ALLOWABLE = OK	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: TITLE 24, CCR, PART 2, 2007 CBC (2006 UBC, WITH CALIFORNIA AMENDMENTS). TITLE 24, CCR, PART 3, 2007 CEC (2005 NEC, WITH CALIFORNIA AMENDMENTS). TITLE 24, CCR, PART 4, 2007 CMC (2006 IMC, WITH CALIFORNIA AMENDMENTS). TITLE 24, CCR, PART 5, 2007 CPC (2006 IPC, WITH CALIFORNIA AMENDMENTS). TITLE 24, CCR, PART 6, 2007 CEC TITLE 24, CCR, PART 9, 2007 CFC (2006 IFC, WITH CALIFORNIA AMENDMENTS). TITLE 19, CCR. NFPA 72, 2007 EDITION (AS PER CA AMENDMENTS)

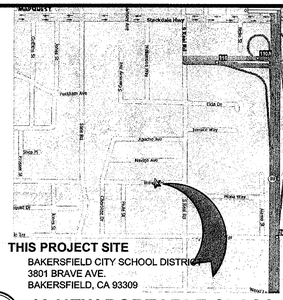
INSPECTOR OF RECORD

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.

ABBREVIATIONS

ABOVE	ABV						
ABOVE FINISHED FLOOR	A.F.F.	EACH	EA.	LAMINATE	LAM.	SANITARY NAPKIN DISPENSER	S.N.D.
ACCESSIBLE	A.C.C.	ELECTRIC	ELEC.	LAVATORY	LAV.	SANITARY NAPKIN RECEPTACLE	S.N.R.
ACOUSTICAL	ACOUST.,ACT.	ELECTRIC DRINKING FOUNTAIN	E.D.F.	LEFT HAND	L.H.	SCHEDULE	SCH.
ADJACENT	ADJ	ELEVATION	ELEV.,EL.	LINOLEUM	LINO.	SEAT COVER DISPENSER	S.C.D.
ADJUSTABLE	ADJUST.	EQUAL	EQ.	LONG	LG.	SECTION	SECT.
AIR CONDITIONING	A/C	EQUIPMENT	EQUIP.			SELF-TAPPING	S.T.
ALUMINUM	ALUM.,AL.	ESTIMATE	EST.	MACHINE BOLT	M.B.	SHEATHING	SHTG.
ANCHOR BOLT	AB.	EXHAUST	EXH.	MACHINE SCREW	M.S.	SHEET	SHT.
BENT ANCHOR BOLT	BAB.	EXHAUST FAN	E.F.	MANUFACTURER	MFGR.	SHEET METAL	S.M.
ANODIZED	ANOD.	EXISTING	(E)	MATERIAL	MAT.,MATL.	SHEET METAL & AIR CONDITIONING CONTRACTOR NATIONAL ASSOCIATION	SMACNA
ARCHITECTURAL	ARCH.	EXPANSION	EXP.	MAXIMUM	MAX.		
ASPHALT CONCRETE	A.C.	EXPANSION JOINT	E.J.	MECHANICAL	MECH.		
		EXTERIOR	EXT.	MEDIUM	MED.	SHEET METAL SCREWS	S.M.S.
BACKBOARD	BACKBRD.			MEMBRANE	MBNE.	SHELVES	SH.
BEAM	BM	FABRIC WALL COVERING	F.W.C.	METAL	MTL.	SIMILAR	SML.,SIM
BENCH MARK	B.M.	FACE OF BLOCK	F.O.B.	METAL PLANAR CEILING	M.P.C.	SINK	S.
BETWEEN	BTWN.	FACE OF CONCRETE	F.O.C.	METAL TOILET PARTITION	M.T.P.	SOAP DISPENSER	S.D.
BLOCK	BLK.	FACE OF STUD	F.O.S.	MILLIMETER	MILL.	SPECIFICATION	SPEC.
BOTTOM	BTM.,BTTM.	FACE OF WALL	F.O.W.	MINIMUM	MIN.	SPLASH	SPL.
BOUNDARY NAILING	B.N.	FACTORY FINISH	F.F.	MISCELLANEOUS	MISC.	SPLASH BLOCK	S.B.
BUILDING	BLDG.	FEET/FOOT	FT.	MULLION	MULL.	SQUARE	SQ.
		FEMININE NAPKIN DISPOSAL	F.N.D.			STAINLESS STEEL	S.S.
CABINET	CAB.	FIBER GLASS	F.G.,FIBERGL.	NOT IN CONTRACT	N.I.C.	STANDARD	STD.
CADMIUM	CAD.	FINISH	FIN.	NOT TO SCALE	N.T.S.	STEEL	STL.
CARPET	CPT.	FIRE EXTINGUISHER CABINET	F.E.C.	NUMBER	NO.,#	STORAGE	STOR.
CARRIAGE BOLT	C.B.	FIRE RATED GYP. BD.	F.R.G.B.			STIFFENER	STIFF.
CAST IRON	C.I.	FIRE TREATED	F.T.	OPPOSITE HAND	O.H.	STRUCTURAL	STRUCT.,ST.
CEILING	CLG.,CEL'G.	FIXED GLASS	F.G.	OPPOSITE	OPP.	SUSPENDED	SUSP.
CEILING DIFFUSER	C.D.	FLAT HEAD	F.H.	ON CENTER	O.C.	SWITCH	SW.
CEILING GRILLE	C.G.	FLOOR	FLR.	OPENING	OPG.		
CEILING REGISTER	C.R.	FLOOR DRAIN	F.D.	OUTSIDE DIAMETER/DIMENSION	O.D.	TELEPHONE	TEL.,TELE.
CEMENT	CEM.	FLUORESCENT	FLUOR.	OVAL HEAD	O.H.	THICK	THK.
CENTERLINE	C.L.	FOOTING	FTG.	OVER (ON)	O/	THRESHOLD	THR.
CERAMIC TILE	C.T.	FOUNDATION	FDN.	OVERFLOW	OVFL.	TOILET PAPER	T.P.
CIRCUIT	CKT.	FRAMING	FRM'G.	OVERHAND	OH.	TOILET PAPER HOLDER	T.P.H.
CLEANOUT	C.O.					TOLERANCE	TOL.
CLEAR	CLR.	GAGE/GAUGE	GA.	PAINT	PT.	TRANSFORMER	TRANS.
COLD WATER	C.W.	GALVANIZE	GALV.	PAIR	PR.	TYPICAL	TYP.
COLUMN	COL.	GALVANIZED IRON	G.I.	PAPER TOWEL DISPENSER	P.T.D.		
COMBINATION/COMBUSTION	COMB.	GLASS	GL.	PLASTIC	PLAS.	UNDERWRITERS LABORATORY	U.L.
COMPOSITION, COMPOSITE	COMP.	GRAB BAR	G.B.	PLATE	PL.	UNLESS OTHERWISE NOTED	U.O.N.
CONCRETE	CONC.	GRADE	GR.	PLATED	PLTD.	URINAL	UR.
CONCRETE MASONRY UNIT	C.M.U.	GROUND	GND.	PLUMBING	PLBG.		
CONDITION	COND.	GYPSUM	GYP.	PLYWOOD	PLYWD.	VENTILATE/VENTILATION	VENT.
CONNECTION	CONN.	GYPSUM BOARD	G.B.,GYP.BD.	POINT	PT.	VENT THROUGH ROOF	V.T.R.
CONSTRUCTION	CONST.			POINT OF CONNECTION	P.O.C.	VERTICAL	VERT.
CONSTRUCTION JOINT	C.J.			POUND	LB.,#	VINYL COMPOSITION TILE	V.C.T.
CONTINUOUS	CONT.	HARDWARE	HDW.,HDWR.	POUND PER SQ. FOOT	P.S.F.	VINYL WALL COVERING	V.W.C.
CONTRACTOR	CONTR.	HEAD	HD.	POUND PER SQ. INCH	P.S.I.	VOLUME	VOL.
COORDINATE	COORD.	HEADER	HDR.				
COUNTERSINK	CSK.	HEIGHT	HT.,H.	QUARTER	QTR.	WATER CLOSET	W.C.
		HOLLOW METAL	H.M.			WATER PROOF	W.P.
DEPARTMENT	DEPT.	HORIZONTAL	HORIZ.	RADIUS	R.,RAD.	WATER RESISTANT	W.R.
DEPTH, DEEP	D.	HOT WATER	H.W.	RAINWATER LEADER	R.W.L.	WIDTH	W.
DETAIL	DET.,DTL.	HOSE BIBB	H.B.	RECEPTACLE	RECEPT.	WIRE GLASS	W.GL.
DIAGONAL	DIAG.			REFLECTED	REFL'D.	WITH	W/
DIAMETER	DIA.	INCH	IN.	REFRIGERATOR	REF.	WITHOUT	W/O
DIMENSION	DIM.	INSIDE DIAMETER/DIMENSION	I.D.	REINFORCING	REINF.	WOOD	WD.
DISPENSER/DISPOSAL	DISP.	INSULATION	INSUL.	REMOVABLE	REMOV.	WOOD SCREWS	W.S.
DIVISION	DIV.	INTERIOR	INT.	REQUIRED	REQ'D.		
DOOR	DR.			RESILIENT	RES.		
DOUBLE	DBL	JAMB	JB.	REVISE, REVISION	REV.		
DOWN	DN.	JOINT	JT.	RIGHT HAND	R.H.		
DOWNSPOUT	D.S.			ROOF DRAIN	R.D.		
DRAWING	DRWG.			RUBBER TOPSET BASE	R.T.B.		
DRINKING FOUNTAIN	D.F.						

VICINITY MAP



THIS PROJECT SITE
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE.
BAKERSFIELD, CA 93309

10 NEW PORTABLE CLASSROOMS

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS
2. 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.
3. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROADS AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCE
4. 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
5. REFER TO RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ALL INFORMATION REGARDING THE RELOCATABLE BUILDINGS
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY FENCING DURING ALL ASPECTS OF THE PROJECT

SHEET INDEX

SHT. NO.	DESCRIPTION
GENERAL	
T1.01	TITLE SHEET
CIVIL	
SHT. NO.	SHT. TITLE
1	COVER SHEET
2	NOTES
3	DETAILS AND TYPICAL SECTIONS
4	STANDARD PLAN DETAILS
5	EXISTING CONDITIONS & DEMOLITION PLAN
6	GRADING SHEET - CLASSROOMS
7	GRADING SHEET - STORM WATER DETENTION AREA
8	UTILITY PLAN (SEWER & WATER)
ARCHITECTURAL	
A1.01	SITE DEMOLITION PLAN
A1.02	SITE PLAN
A1.03	ENLARGED SITE PLAN AND FOUNDATION DRAINAGE
A1.04	SITE DETAILS
A1.05	SITE DETAILS
ELECTRICAL	
E-0	SINGLE LINE DIAGRAM, SYMBOLS, DETAILS, GENERAL NOTES
E-0.1	SINGLE LINE DIAGRAM, SYMBOLS, DETAILS, GENERAL NOTES
E-0.2	SINGLE LINE DIAGRAM, SYMBOLS, DETAILS, GENERAL NOTES
E-1	DEMOLITION SITE ELECTRICAL PLAN
E-1.1	SITE ELECTRICAL PLAN
E-2	SITE COMMUNICATION PLAN
E-2.1	COMMUNICATION PLAN
E-3	SITE FIRE ALARM PLAN
E-3.1	FIRE ALARM PLAN
E-3.2	FIRE ALARM SINGLE LINE DIAGRAM AND CALCULATIONS

SHT. NO.	DESCRIPTION
24'x40' RELOCATABLE BUILDING BY AMERICAN MODULAR SYSTEMS PC 02-109695	
TS	COVER SHEET
A1	TYPICAL FLOOR PLAN
A3	TYPICAL INTERIOR ELEVATIONS
A3A	TYPICAL INTERIOR ELEVATIONS
A5	TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO OPTION)
A5A	ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)
AD	ACCESSIBLE DETAILS
N1	GENERAL NOTES
N2	GENERAL NOTES
P1	ISOMETRIC PLANS AND DETAILS
M1	TYPICAL REFLECTED CEILING PLAN
M2	MECHANICAL BUILDING SECTION & CEILING DETAILS
M3	CEILING AND MECHANICAL NOTES
E1	TYPICAL ELECTRICAL PLAN
E2	ELECTRICAL NOTES AND DETAILS
S1	CONCRETE FOUNDATION PLANS 50 PSF LIVE LOAD & 50 PSF LIVE LOAD+15PSF 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 DETIALS
S3A	ROOF FRAMING PLANS (PLYWOOD SHEATHING)
S4	TYPICAL FRAME ELEVATIONS
S5	WALL FRAMING ELEVATIONS
S5A	WALL FRAMING DETAILS
S7	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME ELEVATIONS

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.

SIGNATURE OF THE ARCHITECT/ENGINEER — DATE 9/23/09
NAME, TITLE, AFFILIATION
CURTIS FLYNN, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.

C-28966 — LICENSED NUMBER
05-31-2011 — EXPIRATION DATE

SYMBOLS

SECTION KEY — A / A3.03 — SECTION IDENTIFICATION / SHEET NUMBER
DETAIL KEY — 1 / A2.01 — DETAIL NUMBER / SHEET NUMBER
INTERIOR ELEVATION KEY — A, B, C, D; 1 / A5.01 — ELEVATION DIRECTION / ELEVATION IDENTIFICATION / SHEET NUMBER
ELEVATION DATUM — +1'-0" — INDICATES HEIGHT IN RELATION TO 0'-0"
ROOM NUMBER / FINISH TAG — OFFICE / 100 — ROOM NAME / ROOM NUMBER
WINDOW SCHEDULE KEY — A
KEYNOTE SCHEDULE KEY — 1
DOOR SCHEDULE KEY — 201

integrated designs by SOMAM, Inc.
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN · CONSTRUCTION MANAGEMENT
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www.integrateddesigns.com

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

Sheet Title: TITLE SHEET

Project Name & Address: MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Date:	Designer:	DR:	PC:
----	09/23/09	--	--	CJM

DSA Identification Stamp:
FILE #: 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
05-117985
AC. FLS SS
DATE SEP 24 2009
TRACKING #: 63321-96

Stamp(s):

LICENSED ARCHITECT CURTIS E. FLYNN No. C 28966 STATE OF CALIFORNIA

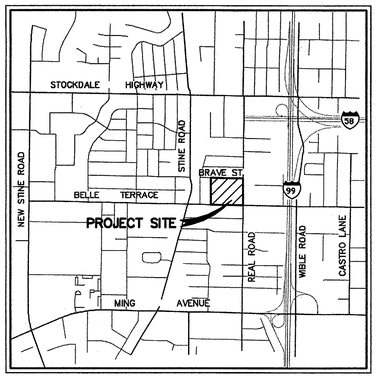
Job No.: 3832

Sheet No.: T1.01

Release: -

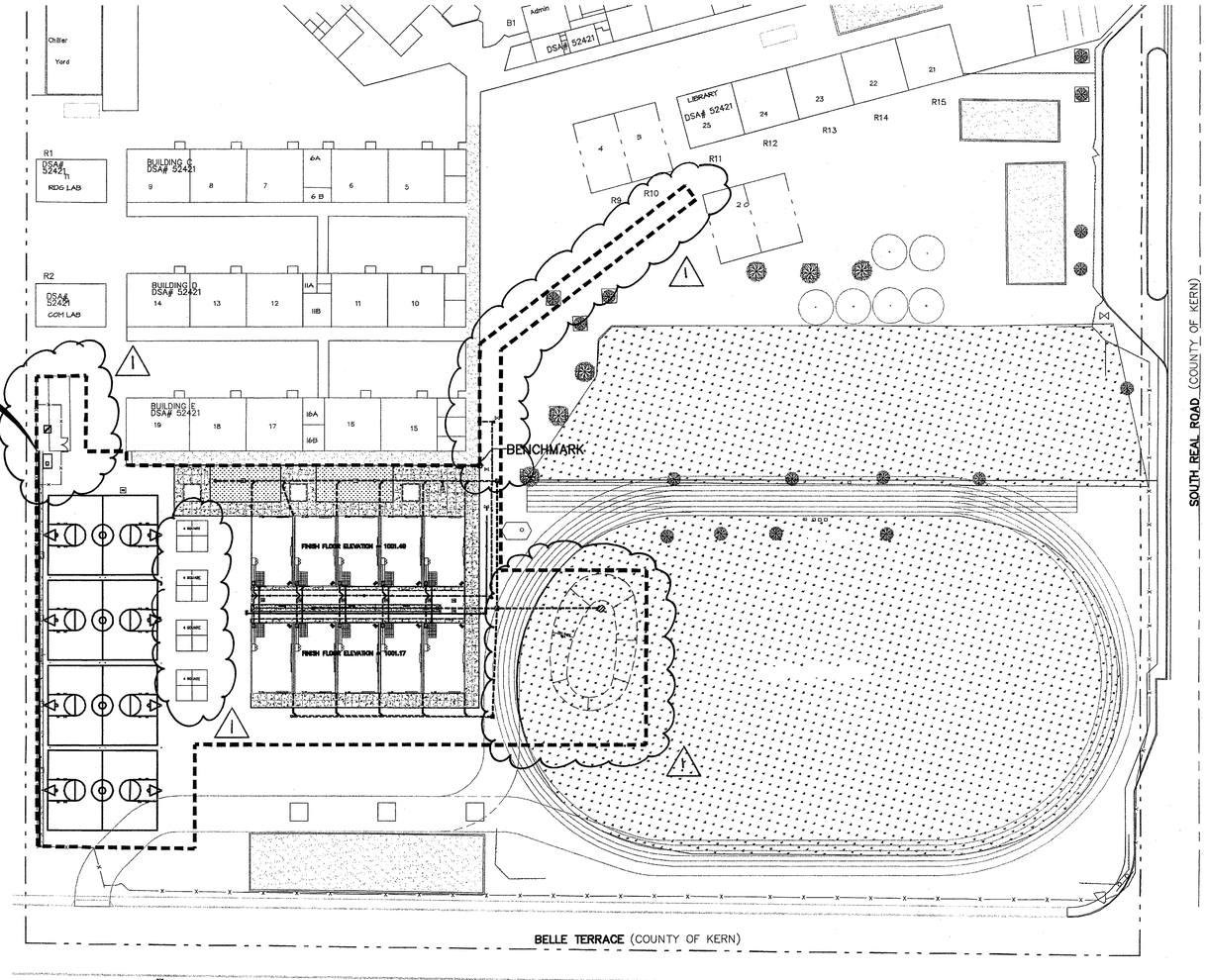
G:\2009\ris\09-3832.1\Sheets\3832-T1.01 TITLE SHEET.dwg CURTIS MCNALLY

MUNSEY ELEMENTARY SCHOOL
SITE IMPROVEMENT AND GRADING PLANS
FOR CLASSROOM PORTABLES



VICINITY MAP
NO SCALE

SCOPE OF WORK



KEY MAP
SCALE: 1"=40'

-N-

EARTHWORK: 1

THE CONTRACTOR SHALL ESTIMATE HIS OWN QUANTITIES. ANY EXCESS MATERIAL GENERATED BY THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

QUANTITIES: 1

PROJECT ACREAGE – DISTURBED AREA	1.35 ACRES
ASPHALT CONCRETE	25,007 SF (469 TONS)
AGGREGATE BASE (0.33')	25,007 SF (306 CYS)
CONCRETE WALK	5,466 SF
6" PVC STORM DRAIN–SDR 35	469 LF
8" PVC STORM DRAIN–SDR 35	117 LF
CATCH BASINS	8 EA
6" PVC SEWER–SDR 35	265 LF
4" SEWER LATERAL	148 LF
4" PVC WATER LINE–C900	214 LF
3/4" WATER SERVICE	128 LF
BASKETBALL GOAL (DISTRICT SUPPLIED)	8 EA

SHEET No. INDEX

1. COVER SHEET
2. IMPROVEMENT & GRADING NOTES 1
3. DETAILS AND TYPICAL SECTIONS
4. STANDARD PLAN DETAILS
5. DEMOLOTION PLAN
6. SITE IMPROVEMENT & GRADING PLAN
7. STORM WATER DETENTION AREA 1
8. UTILITY PLAN (SEWER & WATER)

STATISTICS: 1

1. ASSESSOR'S PARCEL NUMBER: 149–170–06
2. APPROXIMATE ACREAGE: 1.35 ACRES
3. BUILDING SIZE: APPROXIMATELY 9,600 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: 3801 BRAVE AVENUE BAKERSFIELD, CA

BENCHMARK USED:

TOP OF CONCRETE AT THE SOUTHEAST CORNER OF THE EXISTING CONCRETE WALK AS SHOWN ON THIS MAP AS PROJECT BENCH MARK.

ASSUMED ELEVATION = 1001.40

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

REGISTERED PROFESSIONAL ENGINEER * MATTHEW K. VOVILLA * RCE 43130 Exp. 3–31–10 * CIVIL * STATE OF CALIFORNIA

RCE 43130 EXP. 3/31/10

MATTHEW K. VOVILLA

REVISIONS	DATE
1 ADDENDUM #1	10/15/2009

COVER SHEET
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

JOB No.:	09-388
DWG NO.:	09-388-BM
DATE:	09/23/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	1
	OF 8 SHEETS

ADDENDUM #1

GRADING NOTES:

1. 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.
2. SOILS REPORT PREPARED BY KRAZAN & ASSOCIATES DATED APRIL 23, 2009. IN THE EVENT OF A CONFLICT BETWEEN THESE PLANS AND THE SOILS REPORT, THE MORE RESTRICTIVE SPECIFICATION SHALL APPLY.
3. ALL DESIGN ELEVATIONS SHOWN ARE TO FINISH GRADE.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. THE STAKING AND MARKING OF THE PROJECT SHALL BE DONE BY THE CONTRACTOR.
16. ALL ONSITE OR OFFSITE OBSTRUCTIONS SHALL BE REMOVED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.
17. 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.
18. ALL CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
19. 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.
20. 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.
21. FILL MATERIAL SHALL BE SUBJECT TO THE SOILS ENGINEER'S APPROVAL.
22. ALL FILL SLOPES SHALL NOT TOE OUT WITHIN 12 FEET HORIZONTALLY OF THE TOP OF EXISTING OR PLANNED CUT SLOPES.
23. THE CUT AND FILL QUANTITIES ARE CALCULATED USING A COMPACTION FACTOR OF 1.30. THE ENGINEER MAKES NO WARRANTEE 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.
24. 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.
25. EXPORT MATERIAL SHALL BE DISPOSED OF AT AN APPROVED SITE COORDINATED WITH THE INSPECTOR AT THE TIME OF GRADING.
26. 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.
27. 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.
28. THE CONTRACTOR SHALL COORDINATE WITH THE SUBDIVIDER AND THE ENGINEER THE LOCATION OF THE BORROW AREAS (IF REQUIRED) PRIOR TO BEGINNING CONSTRUCTION.
29. 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.
30. ANY TRENCHING TO BE DONE WITHIN THE PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SOILS REPORT.
31. SURFACE DRAINAGE SHALL BE 1% MINIMUM, EXCEPT AS WAVED BY THE BUILDING OFFICIAL.
31. 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 FOUNDATIONSTABILITY 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.)
32. FLOODING, JETTING, OR SIMILAR CONSOLIDATION METHODS OF COMPACTION SHALL NOT BE PERMITTED.
33. ANY ABANDONED WELLS ON THE PROPERTY DISCOVERED DURING GRADING SHALL BE ADEQUATELY CAPPED IN ACCORDANCE WITH ALL APPLICABLE CITY, COUNTY AND STATE ORDINANCES.
34. 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.
35. 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.
36. 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.
37. 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".
38. FILL AREAS SLOPING STEEPER THAN 5:1 SHALL BE KEYED AND BENCHED TO SUPPORT FILL.
39. FILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6" IN COMPACTED THICKNESS AND COMPACTED AT OPTIMUM MOISTURE CONTENT BY APPROVED METHOD.
40. 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.
41. 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.
42. 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.
43. IF THE PROJECT IS SUBJECT TO THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), A "NOTICE OF INTENT" (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (WQ ORDER NO. 92-08-DWQ) MUST BE FILED WITH STATE WATER RESOURCES CONTROL BOARD IN SACRAMENTO BEFORE THE BEGINNING OF ANY CONSTRUCTION ACTIVITY. COMPLIANCE WITH THE GENERAL PERMIT REQUIRES THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE PREPARED, CONTINUOUSLY CARRIED OUT, AND ALWAYS BE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL CONSTRUCTION HOURS.
44. 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:

1. CONTRACTOR SHALL PERFORM ALL NECESSARY DEMOLITION WITHIN THE LIMITS OF WORK.
2. SEE ARCHITECT'S PLANS FOR DEMOLITION SPECIFICATIONS WITHIN AREAS OF NEW STRUCTURES AND HARDSCAPE.
3. 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.
4. ALL TREES AND PLANTINGS WITHIN THE WORK LIMITS SHALL BE COMPLETELY REMOVED, INCLUDING ROOT BALLS.
5. 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:

1. 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.
2. ANY TRENCHING TO BE CONDUCTED WITHIN THIS PROJECT SHALL BE BACKFILLED AND COMPACTED PER THE SOILS REPORT.
3. THE CONTRACTOR SHALL REMOVE OR RELOCATE ALL OBSTRUCTIONS AS DIRECTED BY CITY ENGINEER.
4. 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.
5. 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.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF BAKERSFIELD STANDARDS AND STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST ADDITION.
7. ~~PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE CITY CONSTRUCTION INSPECTION DEPARTMENT SHALL BE GIVEN 24 HOURS NOTICE(661) 326-3049.~~
8. 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.
9. 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.
10. 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.
11. 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.
12. ALL EXISTING PAVING AND SURFACING REMOVED, DAMAGED OR UNDERCUT SHALL BE REPLACED IN ACCORDANCE WITH THE CITY OF BAKERSFIELD DRAWING S-6.
13. 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.
14. 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.
15. SEE WATER AND STREET IMPROVEMENT PLANS FOR OTHER IMPROVEMENTS THAT ARE PART OF THIS PROJECT.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ALL TRENCHES. IF TRENCHES OR PIPING BECOME DAMAGED DUE TO WATER INFILTRATION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR THE TRENCH AND PIPING TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.
17. FLOODING OR WATERJETTING SHALL NOT BE USED FOR BACKFILL COMPACTION.
18. 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.
19. NORMAL CONSTRUCTION STAKING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
20. 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.
21. PRIOR TO FINAL ACCEPTANCE, ALL SEWER LINES SHALL BE INSPECTED WITH VIDEO EQUIPTMENT 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 INPECTOR, 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.
22. 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.
23. CLASS I BEDDING AND EMBANKMENT IS REQUIRED FOR ALL PLASTIC SEWER PIPE WITHIN THE PIPE ZONE.
24. 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:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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 THAT 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 DESITY 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.
6. WHERE NEW ASPHALT CONCRETE PAVEMENT IS TO CONFORM TO EXISTING PAVED SURFACES, THE EXISTING PAVEMENT SHALL BE SAW CUT.
7. A PRIME COAT WILL NOT BE REQUIRED ON NON-PAVED AREAS TO BE SURFACED PRIOR TO THE PLACEMENT OF ASPHALT CONCRETE; HOWEVER, ALL OTHER REQUIREMENTS OF SECTION 39-4.01, "SUB-GRADE," OF THE STANDARD SPECIFICATIONS SHALL BE MET.
8. THE AREA TO WHICH PAINT BINDER HAS BEEN APPLIED SHALL BE CLOSED TO PUBLIC TRAFFIC. CARE SHALL BE TAKEN TO AVOID TRACKING BINDER MATERIAL ONTO EXISTING PAVEMENT SURFACE BEYOND THE LIMITS OF CONSTRUCTION.
9. PAVING JOINTS SHALL MATCH STRIPE LOCATIONS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
   A. INTERSECTIONS AND TAPERED SHOULDERS SHALL BE SURFACED AS DIRECTED BY THE ENGINEER. ADDITIONAL ASPHALT CONCRETE SHALL BE PLACED AT ROAD CONNECTIONS AND PRIVATE DRIVES, WHERE SHOWN ON PLANS AND AS DIRECTED BY THE ENGINEER, AND HAND RAKED, IF NECESSARY, AND COMPACTED TO FORM SMOOTH, TAPERED CONNECTIONS.
10. WHERE THE COMPACTED THICKNESS OF A LAYER OF ASPHALT CONCRETE IS 0.15 FOOT OR LESS, PAVING OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER THAT, AT THE END OF EACH WORK SHIFT, THE LENGTH OF PAVEMENT ALONG THE LONGITUDINAL DROP-OFF BETWEEN ADJACENT LANES IS NOT GREATER THAN THAT WHICH CAN BE SURFACED DURING THE FOLLOWING SHIFT OF NORMAL PAVING OPERATIONS. ADDITIONAL ASPHALT CONCRETE SHALL BE PLACED ALONG THE TRANSVERSE DROP-OFFS ON EACH LANE. SUCH ADDITIONAL ASPHALT CONCRETE SHALL BE HAND RAKED AND COMPACTED TO FORM TEMPORARY CONFORMS BEFORE THE LANES ARE OPENED TO PUBLIC TRAFFIC. KRAFT PAPER, OR OTHER APPROVED BOND BREAKER, MAY BE PLACED UNDER THE CONFORMS TO FACILITATE THE REMOVAL OF THE CONFORMS WHEN PAVING OPERATIONS RESUME.
11. WHERE THE COMPACTED THICKNESS OF A LAYER OF ASPHALT CONCRETE IS MORE THAN 0.15 FOOT, PAVING OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER THAT THE LAYER OF ASPHALT CONCRETE IS PLACED ON ALL CONTIGUOUS LANES OF THE TRAVELED WAY BEFORE THE LANES ARE OPENED TO PUBLIC TRAFFIC. AT THE END OF EACH WORK SHIFT, THE DISTANCE BETWEEN THE ENDS OF A LAYER OF ASPHALT CONCRETE ON ADJACENT LANES SHALL NOT BE GREATER THAN 10 FEET. ADDITIONAL ASPHALT CONCRETE SHALL BE PLACED ALONG THE TRANSVERSE DROP-OFFS ON EACH LANE AND ALONG THE LONGITUDINAL DROP-OFF BETWEEN ADJACENT LANES. SUCH ADDITIONAL ASPHALT CONCRETE SHALL BE HAND RAKED AND COMPACTED TO FORM TEMPORARY CONFORMS BEFORE THE LANES ARE OPENED TO PUBLIC TRAFFIC. KRAFT PAPER, OR OTHER APPROVED BOND BREAKER, MAY BE PLACED UNDER THE CONFORMS TO FACILITATE THE REMOVAL OF THE CONFORMS WHEN PAVING OPERATIONS RESUME.
12. ASPHALT CONCRETE SHALL BE COMPACTED TO A MINIMUM 92 PERCENT OF THE MAXIMUM THEORETICAL DENSITY AS DETERMINED BY ASTM D-2041. IN-PLACE DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH CALIFORNIA TEST 375.
13. IF THE IN-PLACE DENSITY OF ANY LOT OF ASPHALT CONCRETE IS LESS THAN 92 PERCENT OR GREATER THAN 94 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, THE ASPHALT CONCRETE REPRESENTED BY THAT LOT SHALL BE REMOVED AND REPLACED WITH MATERIAL THAT DOES MEET THE IN-PLACE DENSITY REQUIREMENT. THE CORRECTIVE WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
14. IF THE FINISHED SURFACE OF THE ASPHALT CONCRETE DOES NOT MEET THE SPECIFIED SURFACE TOLERANCES, IT SHALL BE BROUGHT WITHIN TOLERANCE BY EITHER: (1) ABRASIVE GRINDING WITH EQUIPMENT UTILIZING DIAMOND BLADES, (2) REMOVAL AND REPLACEMENT, OR (3) PLACEMENT OF AN ASPHALT CONCRETE OVERLAY. THE METHOD WILL BE SELECTED BY THE ENGINEER. THE CORRECTIVE WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
15. IF ABRASIVE GRINDING IS USED TO BRING THE FINISHED SURFACE TO SPECIFIED SURFACE TOLERANCES, ADDITIONAL GRINDING SHALL BE PERFORMED, AS NECESSARY, TO ENLARGE THE GRINDING AREA SO THAT THE LONGITUDINAL LIMITS OF GRINDING ARE AT A CONSTANT OFFSET FROM, AND ARE PARALLEL TO, THE NEAREST LANE LINE OR PAVEMENT EDGE, AND THE TRANSVERSE LIMITS OF GRINDING ARE NORMAL TO THE PAVEMENT CENTERLINE. ALL GROUND AREAS SHALL BE 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.
16. BASE MATERIAL IN ARTERIAL AND COLLECTOR ROADS SHALL BE CRUSHED AGGREGATE BASE (CAB) CONFORMING TO SECTION 200-2.2 OF THE "GREENBOOK." BASE MATERIAL IN LOCAL ROADS SHALL EITHER BE CAB OR CRUSHED MISCELLANEOUS BASE (CMB) CONFORMING TO SECTION 200-2.4 OF THE "GREENBOOK."

REGISTERED PROFESSIONAL ENGINEER
MATTHEW K. VOVILLA
RCE 43130
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03- 112985
AC FLS SS
DATE SEP 24 2009

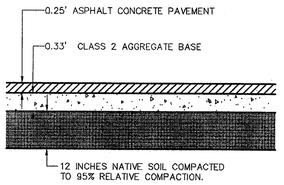
PINNACLE Civil Engineering, Inc.
2161 Saturn Court, Bakersfield, CA 93308
Phone: (661) 869-0184 Fax: (661) 377-0076

MATTHEW K. VOVILLA RCE 43130 EXP. 3/31/10

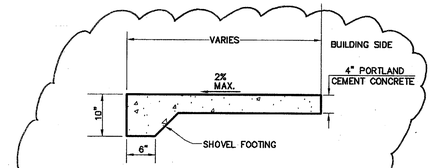
REVISIONS	DATE

IMPROVEMENT & GRADING NOTES
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

JOB No.:	09-388
DWG NO.:	09-388-BM
DATE:	09/23/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	2
OF 8	SHEETS



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



B/3 SIDEWALK SECTION
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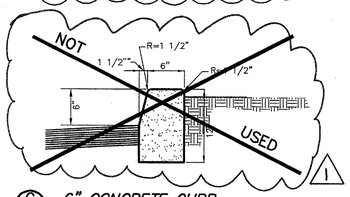

C/3 6" CONCRETE CURB
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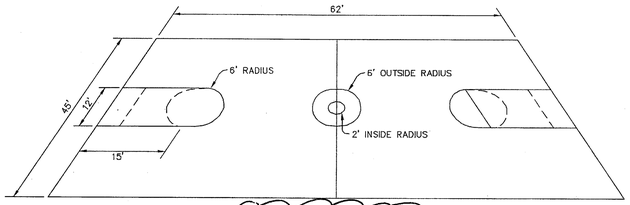
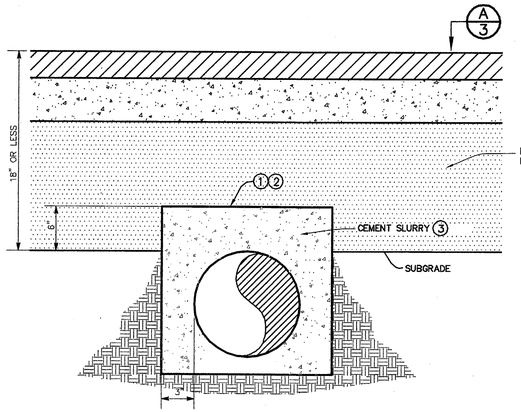


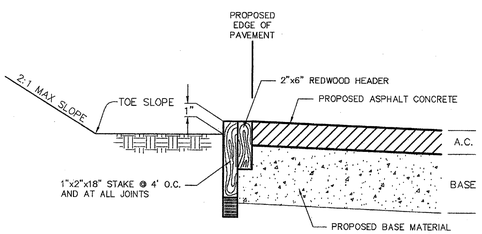
NOTE: SEE ARCHITECT'S PLANS FOR ADDITIONAL INFORMATION. 1

E/3 BASKETBALL COURT STRIPING
N.T.S.

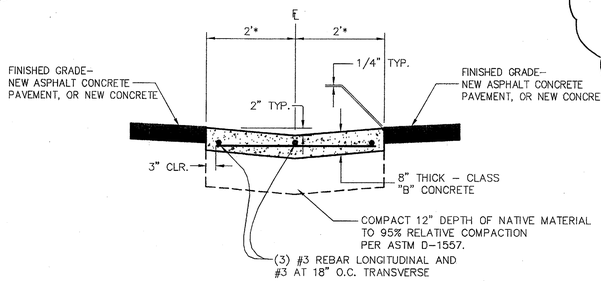


NOTES:
1. SLURRY BACKFILL TO BE USED IN PAVED AREAS WHERE COVER IS 18" OR LESS.
2. SLURRY TO ENCROACH INTO SUB-GRADE TO ACHIEVE 6" OF SLURRY COVER OVER PIPE.
3. SLURRY SHALL BE 1-SACK CONCRETE MIX.

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

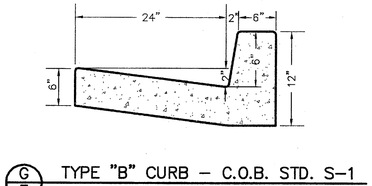


D/3 REDWOOD PAVING BOARD
N.T.S.

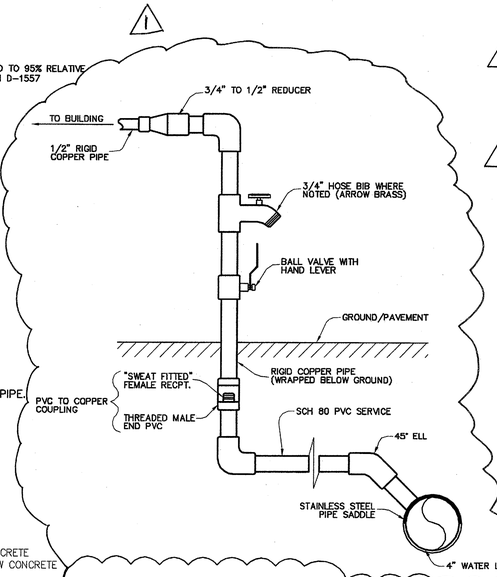


*DIMENSION INCREASES FOR ADA ROUTES-SEE PLAN.

J/3 CONCRETE "V" GUTTER
N.T.S.



G/3 TYPE "B" CURB - C.O.B. STD. S-1
N.T.S.



H/3 3/4" WATER SERVICE
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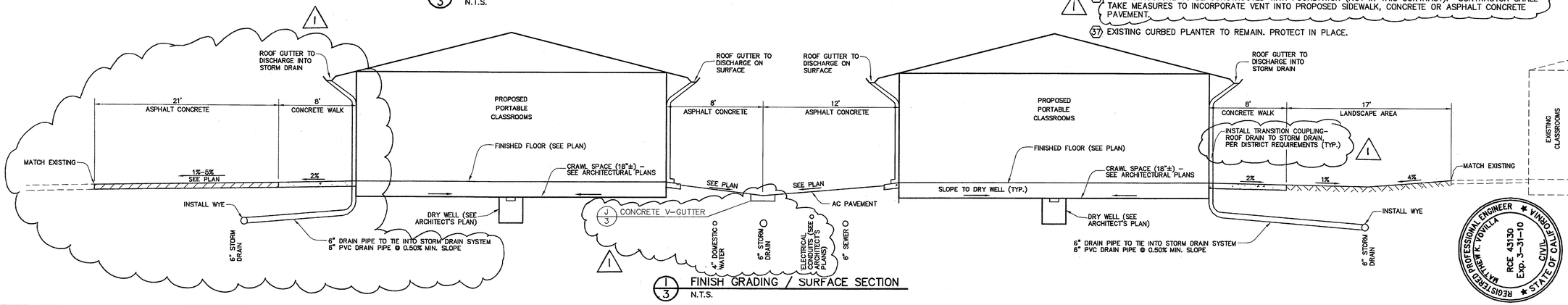

I/3 FINISH GRADING / SURFACE SECTION
N.T.S.

CONSTRUCTION NOTES-GRADING & SITE IMPROVEMENTS 7

1. PRIOR TO FINISH GRADING, THE BUILDING PAD SHALL BE OVEREXCAVATED AND RECOMPACTED IN ACCORDANCE WITH THE SOILS REPORT. 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 D/3.
5. CONSTRUCT 4" THICK PORTLAND CEMENT CONCRETE WALKWAY PER DETAILS 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 U23 WITH H-20 AND ADA COMPLIANT, AND HEEL PROOF 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 CONCRETE "V" GUTTER PER DETAIL J/3 HEREIN.
11. CONSTRUCT CONCRETE CURB AND GUTTER PER DETAIL C/3.
12. EXCAVATE STORM WATER DETENTION AREA AS SHOWN ON PLAN.
13. 1 ~~ALTERNATE TO STORM WATER DETENTION AREA, INSTALL STORM TECH SYSTEM - SEE DETAIL .~~
14. INSTALL ROCK WELL IN STORM WATER DETENTION AREA AS SHOWN ON PLAN, AND PER DETAIL A/7.
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. 1 ~~INSTALL 6" CONCRETE CURB PER DETAIL C/3.~~
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 2-INCH SEWER LATERAL WITH WYE AND CLEAN-OUT. MAKE CONNECTION TO EACH PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION.
28. INSTALL 3/4-INCH DOMESTIC SERVICE PER DETAIL H/3. MAKE CONNECTION TO PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION. EXCLUDE 3/4" HOSE BIB, EXCEPT WHERE SHOWN ON PLAN.
29. ANY UNDERGROUND UTILITIES WITH LESS THAN 18-INCHES OF COVER SHALL BE BACKFILLED WITH CONCRETE SLURRY PER DETAIL F/3.
30. 1 INSTALL DISTRICT SUPPLIED BASKETBALL GOAL POSTS. GOAL POSTS SHALL BE INSTALLED PRIOR TO A.C. PAVING.
31. 1 PAINT REGULATION BASKETBALL COURT AS SHOWN ON PLANS AND PER DETAIL E/3. SEE ALSO ARCHITECT'S PLANS.
32. INSTALL CATCH BASIN - 12" SQUARE, LIGHT DUTY WITH 12" GRATE, NDS 1200 SERIES OR APPROVED EQUAL. ADD SPACERS AS NECESSARY TO ACHIEVE INDICATED INVERT ELEVATIONS.
33. 1 WATER SERVICE SHALL INCLUDE HOSE BIB WHERE NOTED ON PLAN. SEE DETAIL H/3 HEREON.
34. CONNECT ROOF DRAIN TO 6-INCH STORM DRAIN LINE AS SHOWN. USE SEWER-TYPE WYE FOR CONNECTION. SEE ARCHITECT'S PLANS FOR EXACT LOCATION OF ROOF DRAINS.
35. INSTALL SEWER TYPE CLEANOUT WHERE INDICATED FOR STORM DRAIN.
36. 1 VENT STRUCTURE TO BE CONSTRUCTED WITH FOUNDATION (NOT IN THIS CONTRACT). CONTRACTOR SHALL TAKE MEASURES TO INCORPORATE VENT INTO PROPOSED SIDEWALK, CONCRETE OR ASPHALT CONCRETE PAVEMENT.
37. EXISTING CURBED PLANTER TO REMAIN. PROTECT IN PLACE.

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2161 Saturn Court, Bakersfield, CA 93308
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RCE 43130 EXP. 3/31/10
MATTHEW K. VOVILLA

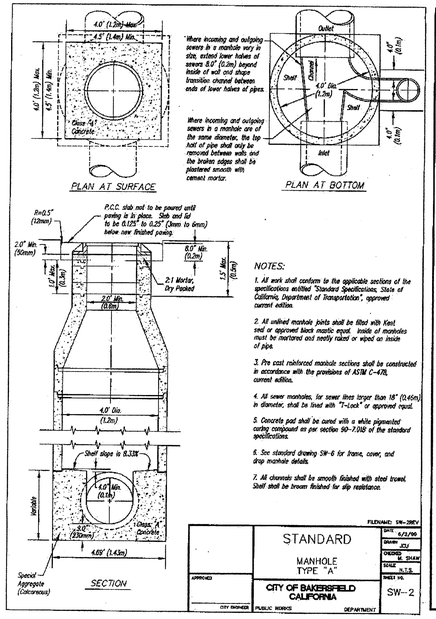
REVISIONS	DATE
1 ADDENDUM #1	10/15/2009

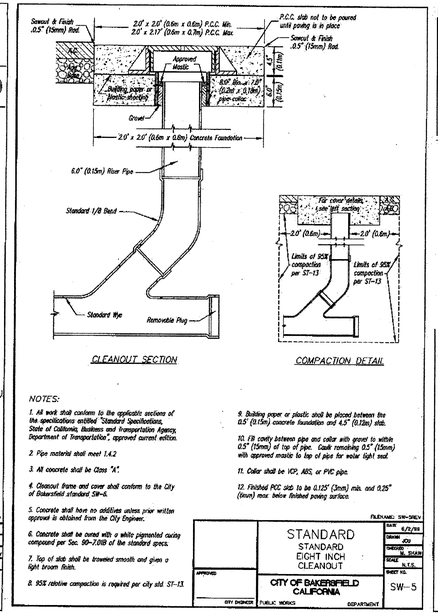
DETAILS & TYPICAL SECTIONS
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

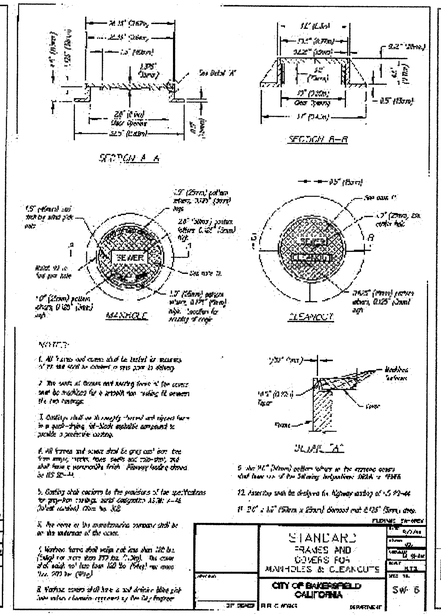
JOB No.:	08-388
DWG NO.:	08-388-BM
DATE:	09/23/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	3
OF	8 SHEETS

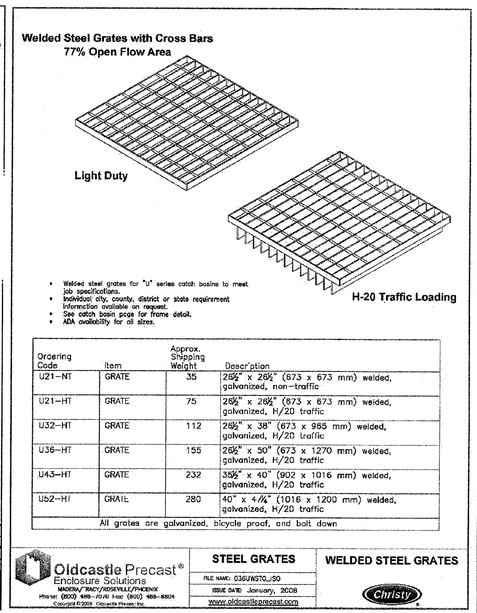
REGISTERED PROFESSIONAL ENGINEER * MATTHEW K. VOVILLA * RCE 43130 Exp. 3-31-10 * CIVIL * STATE OF CALIFORNIA

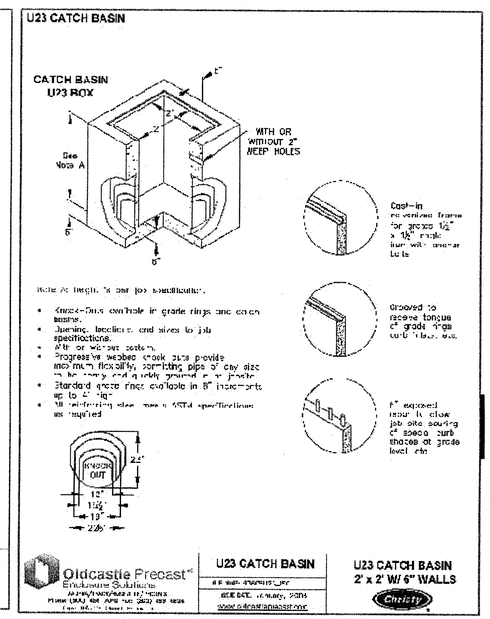
ADDENDUM #1

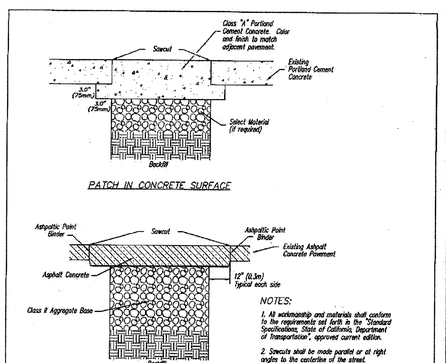


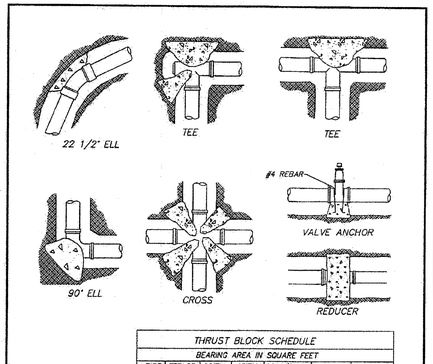


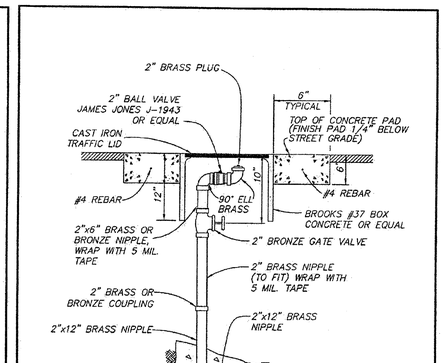












IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
05 12985
AC 4 R3 SS 2
DATE SEP 24 2009

REGISTERED PROFESSIONAL ENGINEER
MATTHEW K. VOVILLA
RCE 43130
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

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

MATTHEW K. VOVILLA RCE 43130 EXP. 3/31/10

REVISIONS	DATE

STANDARD PLAN DETAILS
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

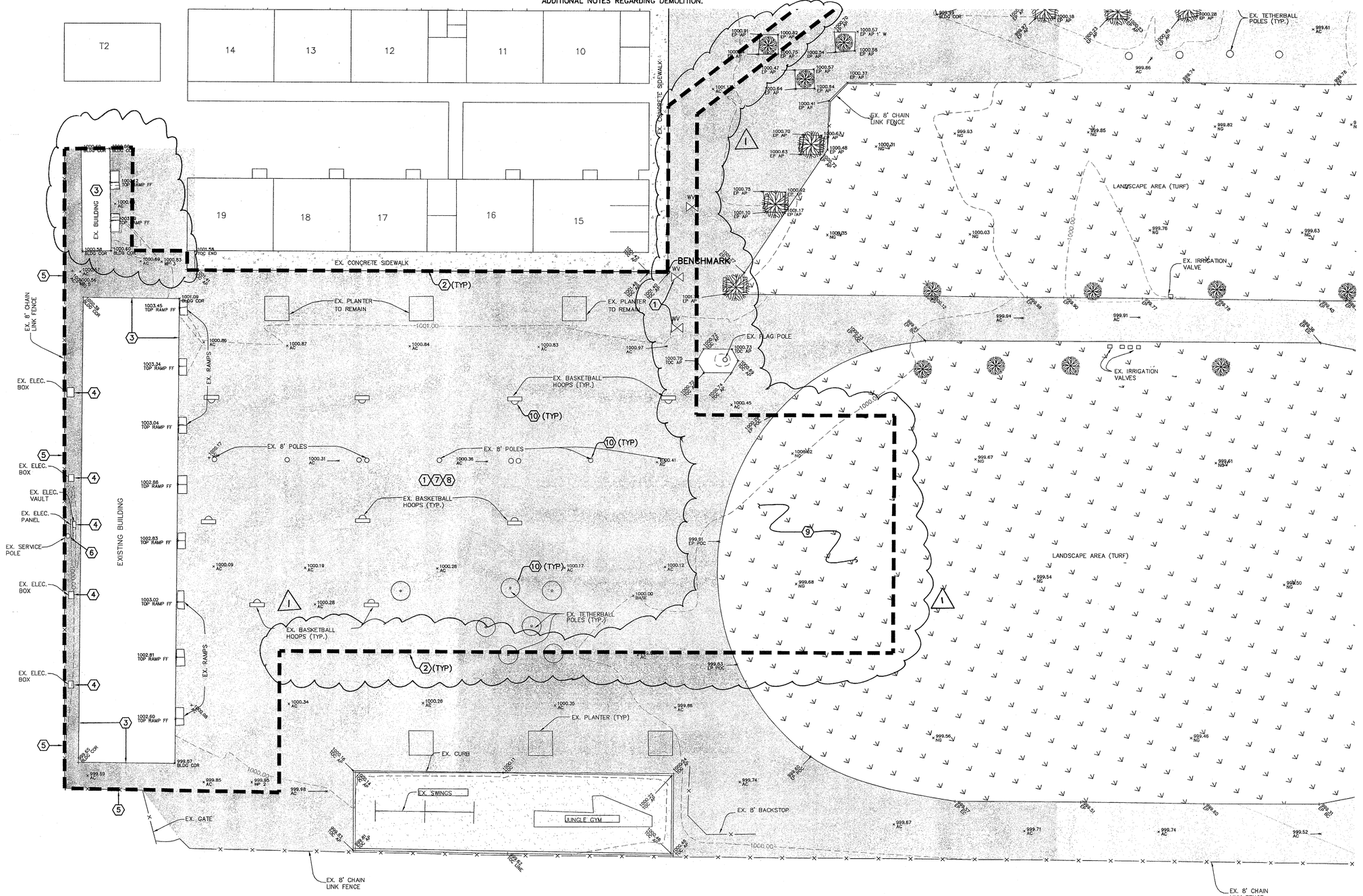
JOB No.:	09-388
DWG NO.:	09-388-BM
DATE:	09/23/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	4
OF	8 SHEETS

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
	EXISTING PLAYGROUND AREA
	EXISTING CONCRETE
	EXISTING LANDSCAPING (TURF)
	EXISTING ASPHALT CONCRETE
	LIMITS OF DEMOLITION

DEMOLITION NOTES:

1. CONTRACTOR SHALL RESEARCH ALL EXISTING UTILITIES, AND SHALL "POTHOLE" TO VERIFY THEIR LOCATIONS. ALL EXISTING UNDERGROUND UTILITIES, EXCEPT AS OTHERWISE NOTED, SHALL BE PROTECTED IN-PLACE.
2. ALL PAVEMENT OR CONCRETE TO BE DEMOLISHED SHALL BE SAW-CUT ALONG THE REMOVAL LINE.
3. COORDINATE WITH THE DISTRICT FOR REMOVAL OF EXISTING CLASSROOMS. EXISTING CLASSROOMS SHALL REMAIN IN-TACT, FULLY FUNCTIONAL AND ACCESSIBLE, UNTIL NEW MODULARS ARE INSTALLED AND ACCEPTED FOR USE BY THE DISTRICT.
4. REMOVE ELECTRICAL BOXES AND BACKBOARD PANEL.
5. CHAIN LINK FENCE TO REMAIN
6. COORDINATE WITH DISTRICT FOR RELOCATING EXISTING SERVICE POLE.
7. REFER TO SHEET 2 OF THESE PLANS AND THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES REGARDING DEMOLITION.
8. 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.
9. TURF AND IRRIGATION SHALL BE REMOVED AS NECESSARY FOR CONSTRUCTION OF STORM WATER DISPOSAL AREA – SEE SHEET 7. CUT AND CAP IRRIGATION AS DIRECTED BY THE ENGINEER.
10. CONTRACTOR SHALL SALVAGE EXISTING BASKETBALL GOALS, VOLLEYBALL POLES, AND TETHERBALL POLES, AND SHALL DELIVER TO THE DISTRICT.



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REGISTERED PROFESSIONAL ENGINEER ★ VINOD ★ MATTHEW K. VOVILLA RCE 43130 Exp. 3-31-10 CIVIL ★ STATE OF CALIFORNIA

MATTHEW K. VOVILLA	RCE 43130 EXP. 3/31/10
REVISIONS	DATE
1 ADDENDUM #1	10/15/2009

DEMOLITION PLAN
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

JOB No.:	09-388
DWG NO.:	09-388-BM
DATE:	09/23/2009
DRAWN BY:	ADK
CHECKED BY:	MKV
SHEET	5
OF	8 SHEETS

ADDENDUM #1

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FINISH FLOOR ELEVATION = 1001.49

FINISH FLOOR ELEVATION = 1001.17

SEE SHEET 7

SEE SHEET 7 FOR LEGEND,
SHEET 3 FOR NOTES

4 SQUARE

NORTH
SCALE: 1" = 10'

REGISTERED PROFESSIONAL ENGINEER
MATTHEW K. VOVILLA
RCE 43130
EXP. 3-31-10
CIVIL
STATE OF CALIFORNIA

MATTHEW K. VOVILLA RCE 43130 EXP. 3/31/10

REVISIONS	DATE
1 ADDENDUM #1	10/15/2009

SITE IMPROVEMENT & GRADING PLAN
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

JOB No.:	09-388
DWG NO.:	09-388-BM
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SHEET	6
	OF 8 SHEETS

ADDENDUM #1

CONSTRUCTION LEGEND

= NEW AC PAVEMENT

= NEW CONCRETE

SEE SHEET 5 FOR EXISTING CONDITIONS AND LEGEND

= PROPOSED DRAINAGE INLET

1.0% = DESIGN SLOPE

= SAWCUT LINE

= PROPOSED STORM DRAIN

(1) = CONSTRUCTION NOTE – SEE SHEET 3

= EXISTING GROUND CONTOUR

99.72 AC = EXISTING ELEVATION

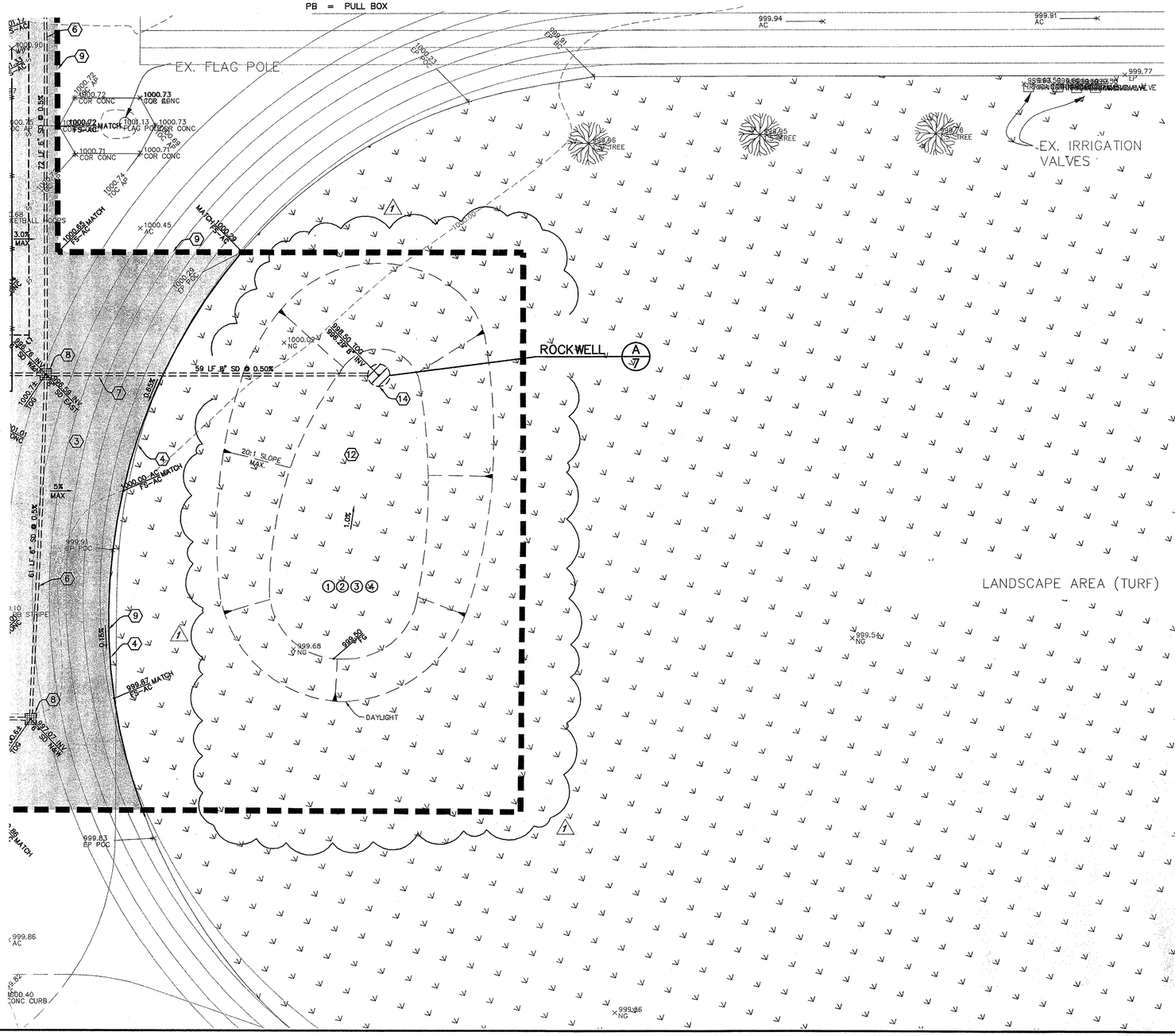
= PATH OF DRAINAGE

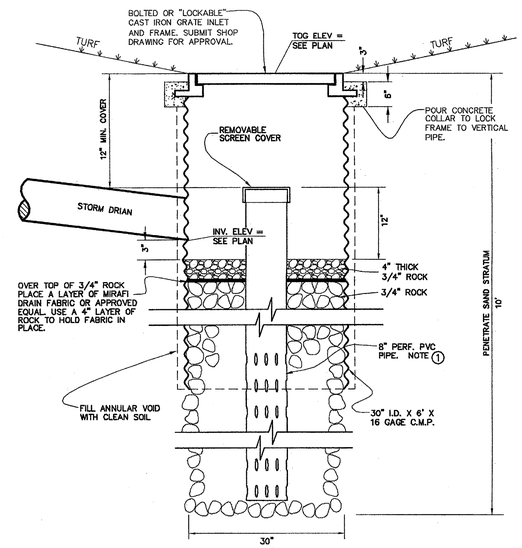
PB = ELECTRIC PULL BOX. NOT A PART OF THESE PLANS. SEE ARCHITECT'S PLAN.

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 = FINIHSED SURFACE
LP = LIP OF V-GUTTER
CONC = PORTLAND CEMENT CONCRETE
S = SLOPE
FG = FINISH GRADE
EP = EDGE OF PAVEMENT
PB = PULL BOX

NOTES – STORM WATER DETENTION AREA

1. CONTRACTOR SHALL REMOVE SOD AND STORE ON SITE.
2. CUT AND CAP ANY EXISTING IRRIGATION WITHIN LIMITS OF EXCAVATION AND REMOVAL.
3. THE DISTRICT WILL BE RESPONSIBLE FOR REINSTALLATION OF IRRIGATION.
4. CONTRACTOR SHALL RE-PLACE SOD AFTER THE DISTRICT COMPLETES IRRIGATION MODIFICATION.





ROCKWELL DETAIL NOTES

(1) EXTEND CENTER PIPE OF ROCKWELL TO BOTTOM OF BORING. CENTER PIPE SHALL BE DR64 WITH GLUED JOINTS. PORTION OF PIPE ABOVE ROCK SHALL NOT BE PERFORATED.

A/7 DETAIL – ROCKWELL
N.T.S.

REGISTERED PROFESSIONAL ENGINEER * MATTHEW K. VOVILLA * RCE 43130 Exp. 3-31-10 * CIVIL * STATE OF CALIFORNIA

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RCE 43130 EXP. 3/31/10
MATTHEW K. VOVILLA

REVISIONS	DATE
1 ADDENDUM #1	10/15/2009

STORM WATER DETENTION AREA
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

JOB No.:	09-388
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CHECKED BY:	MKV
SHEET	7
OF	8 SHEETS

PLUMBING SPECIFICATIONS FOR BAKERSFIELD CITY SCHOOL DISTRICT:

WATER PIPING AND FITTINGS BELOW GRADE

1. ALL GATE VALVES 2 INCH AND LARGER SHALL BE FLANGED / MECHANICAL JOINT RESILIENT SEAT GATE VALVES.
2. ALL GATE VALVES 1 ½ INCHES AND SMALLER SHALL BE 150 NIBCO / STOCKHAM / CRANE OR EQUAL.
3. NO BALL VALVES PERMITTED BELOW GRADE.
4. ALL WATER LINES 2 INCH AND LARGER SHALL BE SCHEDULE 80 PVC, 4 INCH AND LARGER MAY BE PVC C900.
5. ALL WATER LINES 1 ½ INCHES AND SMALLER MAY BE SCHEDULE 40 PVC.
6. ALL SOLVENT WELDED JOINTS TO BE MADE WITH GRAY, HEAVY-BODIED, MEDIUM-SETTING INDUSTRIAL GRADE PVC SOLVENT CEMENT.
7. ALL PIPING THAT RISES UP FROM BELOW GRADE SHALL BE TYPE L COPPER WITH BRAZED JOINTS AND WRAPPED WITH 40 MILS OF PIPE WRAP TAPE. THE USE OF FEMALE PVC ADAPTERS IS PROHIBITED.
8. ALL VALVE BOXES SHALL BE CHRISTY G5 OR EQUAL.
9. ALL VALVES ARE TO BE SLEEVED WITH 6 INCH PIPE FROM VALVE TO 6 INCHES FROM THE TOP OF THE YARD BOX.

WATER PIPING AND FITTINGS ABOVE GRADE

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

SANITARY SEWER AND STORM DRAIN LINES BELOW GRADE

1. ALL SEWER AND STORM DRAIN PIPING SHALL BE CAST IRON, SCHEDULE 40 PVC DWV, SCHEDULE 40 ABS DWV OR SDR 35 PIPE AND FITTINGS.
2. ALL CLEAN OUTS SHALL BE INSTALLED WITH A WYE 1/8 BEND COMBINATION. ALL END OF RUN CLEAN OUTS AND CLEAN OUTS INSTALLED AT CHANGE OF DIRECTION SHALL BE INSTALLED WITH (2) 1/8 BENDS OR LONG SWEEP ¼ BEND.
3. ALL CLEAN OUT BOXES SHALL BE CHRISTY G5 OR EQUAL.

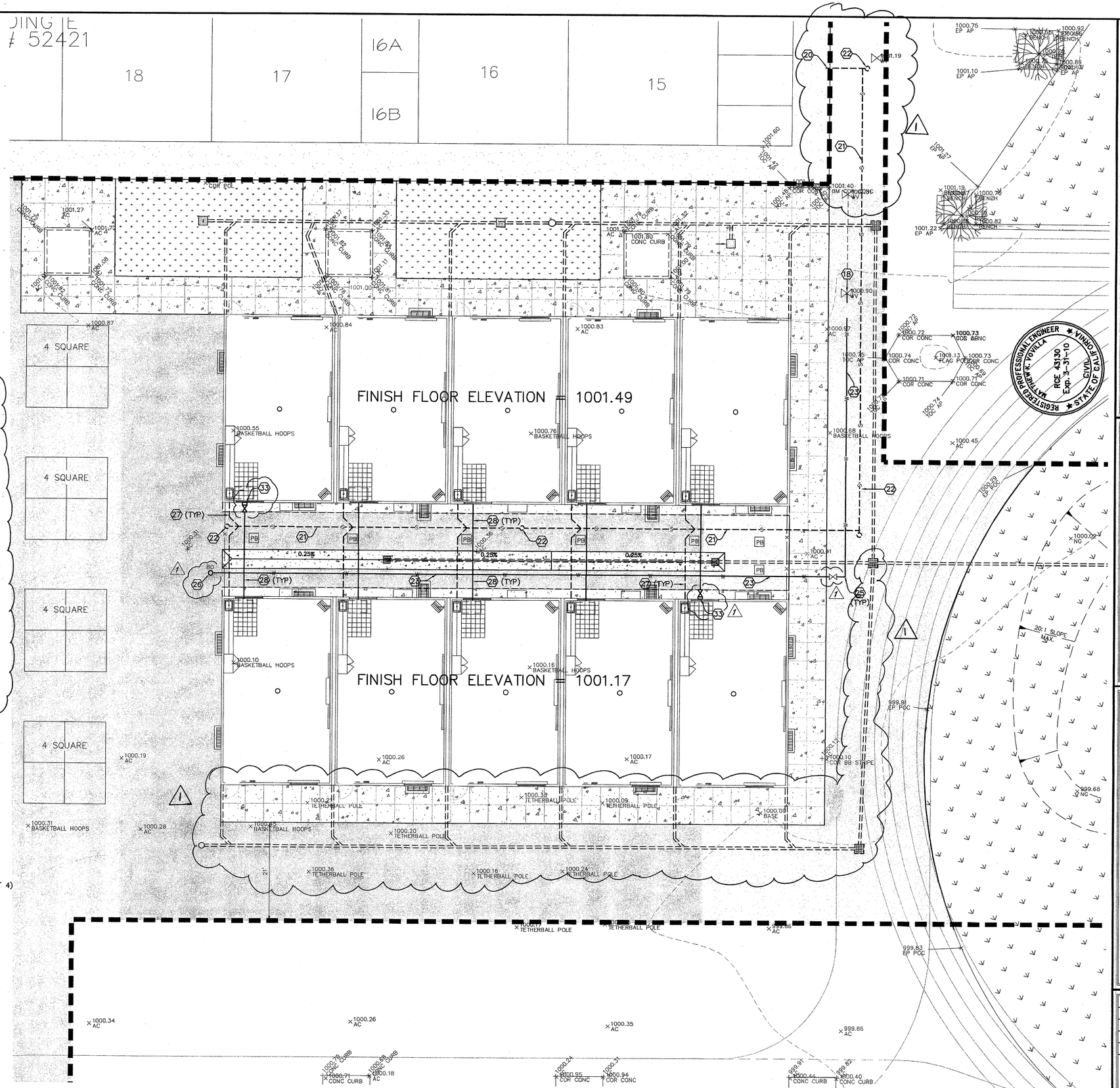
MISCELLANEOUS VALVES AND MATERIALS

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

LEGEND (SEWER & WATER):

—W—	PROPOSED 4-INCH DOMESTIC PVC WATER LINE
—□	PROPOSED WATER SERVICE, METER BOX WITH CORPORATION STOP (NO METER)
- - -S- - -	PROPOSED 8" SEWER @ A MINIMUM SLOPE OF 0.5%
—○CO	PROPOSED SEWER CLEANOUT 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)
- - - - -	PROPOSED STORM DRIAN
(1)	CONSTRUCTION NOTE – SEE SHEET 3

NORTH
SCALE: 1" = 10'
0 5 10 20



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RCE 43130
Exp. 3-31-10
CIVIL
STATE OF CALIFORNIA

RCE 43130 EXP. 3/31/10

REVISIONS	DATE
1 ADDENDUM #1	10/15/2009

MATTHEW K. VOVILLA

UTILITY PLAN (SEWER & WATER)
MUNSEY ELEMENTARY
3801 BRAVE AVENUE
BAKERSFIELD, CALIFORNIA

JOB No.:	09-388
DWG NO.:	09-388-BM
DATE:	09/23/2009
DRAWN BY:	ADK
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SHEET	8
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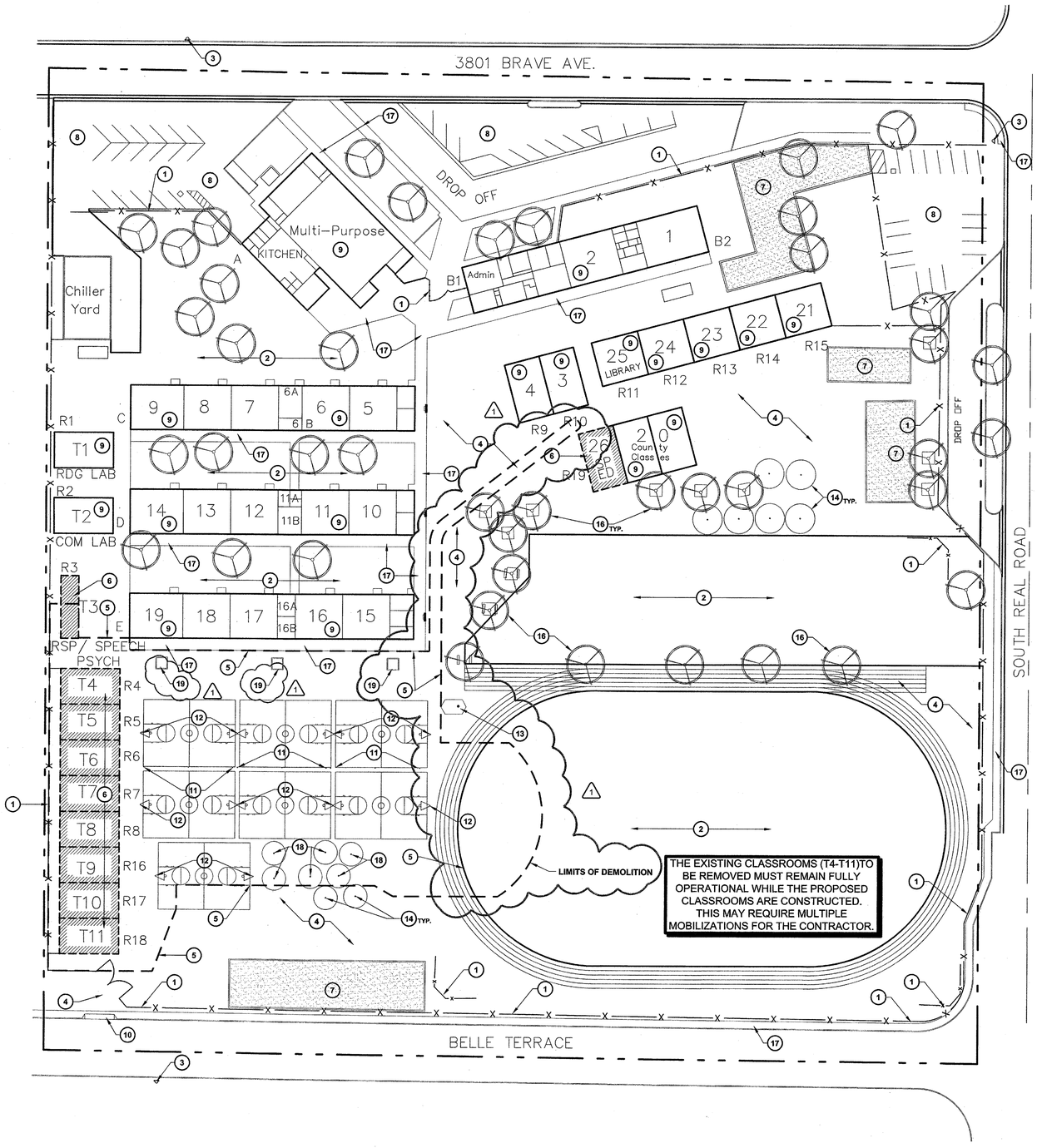

SITE DEMOLITION PLAN

10 NEW PORTABLE CLASSROOMS

SCALE: 1:40

KEYNOTES

1. EXISTING CHAIN LINK FENCE / GATE TO REMAIN
2. EXISTING LAWN / PLANTER AREA TO REMAIN
3. EXISTING FIRE HYDRANT TO REMAIN
4. EXISTING AC-PAVING AND CONCRETE TO REMAIN
5. SAW-CUT AND REMOVE ALL EXISTING AC-PAVING AND CONCRETE. REFER TO CIVIL AND ELECTRICAL PLANS FOR RELOCATION OF ALL OTHER EQUIPMENT
6. EXISTING CLASSROOMS MUST REMAIN FULLY OPERATIONAL AND MUST BE ACCESSIBLE TO DISTRICT STAFF AND STUDENTS DURING CONSTRUCTION. ONCE THE NEW CLASSROOMS ARE OCCUPIED THE EXISTING CLASSROOMS SHALL BE REMOVED FROM THIS SITE.
7. EXISTING CURB, SAND AND PLAY EQUIP. TO REMAIN
8. EXISTING PARKING LOT TO REMAIN
9. EXISTING BUILDING TO REMAIN (NO WORK)
10. EXISTING CURB CUT AND DRIVE APPROACH TO REMAIN
11. EXISTING VOLLEYBALL POST TO BE REMOVED, CLEANED FREE FROM ALL CONCRETE AND RETURN TO OWNER FOR FUTURE INSTALLATION
12. EXISTING BASKETBALL POST TO BE REMOVED, CLEAN FREE FROM ALL CONCRETE AND RETURN TO OWNER FOR FUTURE INSTALLATION
13. EXISTING FLAG POLE TO REMAIN
14. EXISTING TETHER BALL POLES TO REMAIN
15. - NOT USED -
16. EXISTING TREES TO REMAIN
17. EXISTING SIDEWALK TO REMAIN
18. EXISTING TETHER BALL POST TO BE REMOVED, CLEAN FREE FROM ALL CONCRETE AND RETURN TO OWNER FOR FUTURE INSTALLATION
19. EXISTING PLANTER BOX TO REMAIN

GENERAL NOTES

A. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO BID. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IN WRITING IMMEDIATELY.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK, IF APPLICABLE.

C. CONTRACTOR WILL BE RESPONSIBLE FOR ANY COMPACTION RETEST DUE TO INITIAL FAILURE

D. PROJECT INSPECTOR SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.

E. A COPY OF TITLE-24, ALL PARTS APPLICABLE, TO BE KEPT AT THE JOB SITE AT ALL TIMES.

F. ADDENDA SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE) AND APPROVED BY DSA.

G. CHANGE ORDERS SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE), OWNER, AND APPROVED BY DSA.

H. TESTING LAB SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.

I. ALL WORK SURFACES DISTURBED OR DAMAGED BY THE DEMOLITION WORK SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.

J. ALL BUILDING AND ROOM NAMES INDICATED ON THESE CONSTRUCTION DOCUMENTS ARE "NOT" THE ACTUAL BUILDING/ ROOM SIGNAGE DESIGNATION. THE CONTRACTOR SHALL FURNISH, INSTALL AND COORDINATE ALL REQUIRED SIGNAGE WITH THE OWNER/ ARCHITECT PRIOR TO STARTING CONSTRUCTION.

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES AREA OF WORK
- INDICATES EXISTING BUILDINGS TO BE REMOVED FROM THIS SITE

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Revision:	Revision Description:	Rev. Date:
1	ADDENDUM #1	10/15/09

Sheet Title: SITE DEMOLITION PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Date:	Designer:	DR:	PC:
----	10/15/09	--	--	CJM

DSA Identification Stamp:

FILE #: 15-6
IDENTIFICATION STAMP
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TRACKING #: 63321-96

Stamp(s):

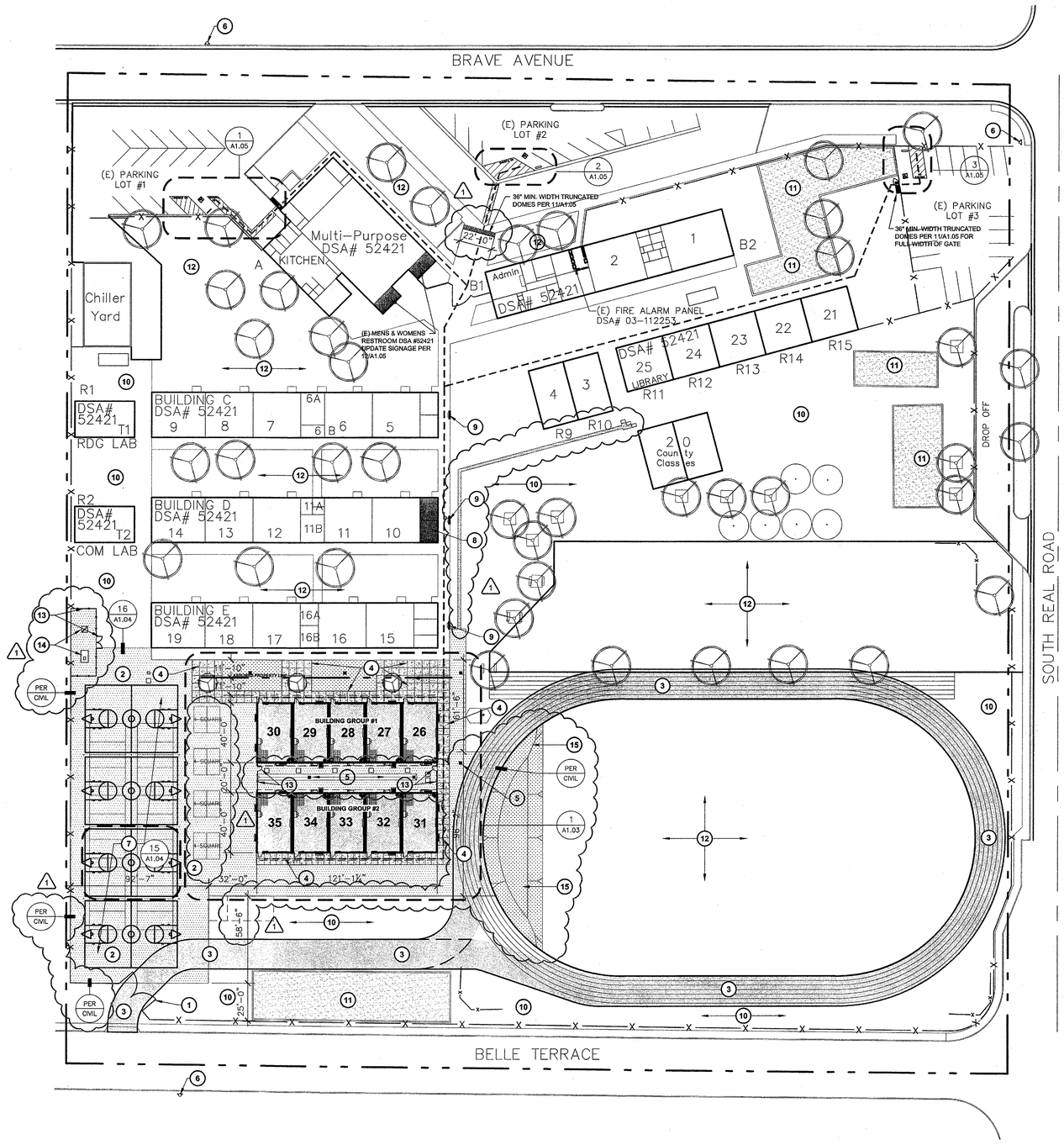
LICENSED ARCHITECT
CURTIS E. LYNN
No. C 28966
REN. 5-31-11
STATE OF CALIFORNIA

Job No.: 3832

Sheet No.: A1.01

Release: ADDENDUM #1

G:\2009frs\09-3832.1\Sheets\ADDENDUM #1\A1.01 SITE DEMOLITION PLAN.dwg CURTIS MCNALLY



SITE PLAN

10 NEW PORTABLE CLASSROOMS

SCALE: 1:40

KEY NOTES

1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN. PROVIDE W/ KNOX BOX LOCK PER KERN COUNTY STANDARDS
2. NEW AC PAVING PER DETAIL 11/A1.04
3. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC-PAVING, APPROVED BY THE LOCAL JURISDICTION.
4. NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 1/A1.03
5. NEW DRAIN INLET. REFER TO CIVIL FOR ALL GRADING AND DRAINAGE INFORMATION.
6. EXISTING FIRE HYDRANT TO REMAIN
7. NEW BASKETBALL COURT (TYP. OF 4) PER DETAIL 15/A1.04
8. EXISTING BOYS AND GIRLS RESTROOM, UPDATE SIGNAGE PER DETAIL 12/A1.05
9. EXISTING DRINKING FOUNTAIN TO REMAIN
10. EXISTING AC-PAVING TO REMAIN
11. EXISTING SAND PLAY AREA TO REMAIN
12. EXISTING TURF TO REMAIN
13. NEW 6' HIGH CHAIN LINK FENCE W/ PRIVACY SLATES AND 3' WIDE GATES PER DETAIL 14/A1.05
14. NEW ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
15. STORM WATER RETENTION BASIN, REFER TO CIVIL FOR ADDITIONAL INFORMATION

GENERAL NOTES

A. 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.

B. NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS ("C.J.")AT 5'-0" o.c. MAX. AND EXPANSION JOINTS NOT TO EXCEED 30'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.

C. CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MANUFACTURER

D. THE CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING CONCRETE FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURES DRAWINGS AND SPECIFICATIONS.

E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW RELOCATABLE BUILDING PERIMETER SILL SHEET METAL FLASHING AFTER THE RELOCATABLE BUILDING IS SET IN PLACE.

F. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.

G. 5'-0" DEEP x 5'-0" WIDE MINIMUM CONCRETE LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4 IN 12 SLOPE (2%). SLOPES SHALL BE AWAY FROM DOORWAYS.

H. CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.

I. THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, PROVIDE THE NECESSARY WARNING CURB PER CBC SEC. 1133B.8.1.

J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY FENCING.

PARKING CALCULATION

PARKING LOT #1
TOTAL STALLS PROVIDED 16 STALLS
ACCESSIBLE STALLS REQUIRED - 1 VAN STALL
ACCESSIBLE STALLS PROVIDED - 1 VAN STALL

PARKING LOT #2
TOTAL STALLS PROVIDED 10 STALLS
ACCESSIBLE STALLS REQUIRED - 1 VAN STALL
ACCESSIBLE STALLS PROVIDED - 1 VAN STALL

PARKING LOT #3
TOTAL STALLS PROVIDED 16 STALLS
ACCESSIBLE STALLS REQUIRED - 1 VAN STALL
ACCESSIBLE STALLS PROVIDED - 1 VAN STALL

LOCAL FIRE AUTHORITY REVIEW

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

ACCESS ROADS AND FIRE HYDRANTS

JK 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 (GATE ENTRANCES) TO SCHOOL SITES.

JK FIRE FLOW, FIRE HYDRANT LOCATION AND DISTRIBUTION ARE IN ACCORDANCE WITH CALIFORNIA FIRE CODE, APPENDIX C (FIRE FLOW) AND APPENDIX B (HYDRANT LOCATIONS)

N/A WILDLAND URBAN INTERFACE AREA

AUTOMATIC FIRE SPRINKLER SYSTEMS

N/A THE LOCATION(S) OF THE PROPSED POST INDICATOR VALVE (PIV) AND FIRE DEPARTMENT CONNECTION (FDC) MEETS THE REQUIREMENTS OF THIS JURISDICTION AT THIS TIME.

N/A THE LOCATION(S) OF THE DETECTOR CHECK VALVE ASSEMBLY (DCVA) MEETS THE REQUIREMENTS OF THIS JURISDICTION AT THIS TIME.

N/A THE FIRE PUMP ASSEMBLY/BACKFLOW PREVENTER MEETS THE REQUIREMENTS OF THIS JURISDICTION AT THIS TIME.

LOCAL FIRE AUTHORITY: KERN COUNTY FIRE DEPT
ADDRESS: 5642 VICTOR ST.
CITY/STATE/ZIP: BAKERSFIELD CA DATE: 05/27/09
PHONE NUMBER: (661) 391-7080
APPROVAL ISSUED BY: JIM KILLAM
RANK/TITLE: FPS-2
COMMENTS: ORIGINAL SIGNITURE ON FILE WITH DSA

A SIGNATURE ABOVE SIGNIFIES THAT THE LOCAL FIRE AUTHORITY THE PROPOSED LOCATIONS AND WAS CONSULTED REGARDING THE PLACEMENT/DESIGN OF THE PIV(s), FDCA(s), FIRE PUMP(s), AND HYDRANTS. THE CURRENT CONFIGURATION SHOWN, AS OF THE DATE, MEETS WITH THEIR CURRENT STANDARDS.

ACCESSIBILTY NOTE

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT CHANGES EXCEEDING ½" AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED ¼" 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 113B8.2) 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 NEW RELOCATABLE BUILDING UNDER THIS APPLICATION
- NEW 4" THICK CONCRETE WALK WITH MEDIUM BROOM FINISH
- INDICATES NEW ASPHALT PAVING REFER TO CIVIL FOR ADDITIONAL INFO
- INDICATES FIRE TRUCK ACCESS OVER EXISTING AC PAVING
- HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL

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Revision:	Revision Description:	Rev. Date:
1	ADDENDUM #1	10/15/09

Sheet Title: SITE PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Designer:	DR:	PC:
Date: 10/15/09	--	--	CJM

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LICENSED ARCHITECT
CURTIS E. MCNALLY
No. C 28966
REN. 5-31-11
STATE OF CALIFORNIA

Job No.: 3832

Sheet No.: A1.02

Release: ADDENDUM #1

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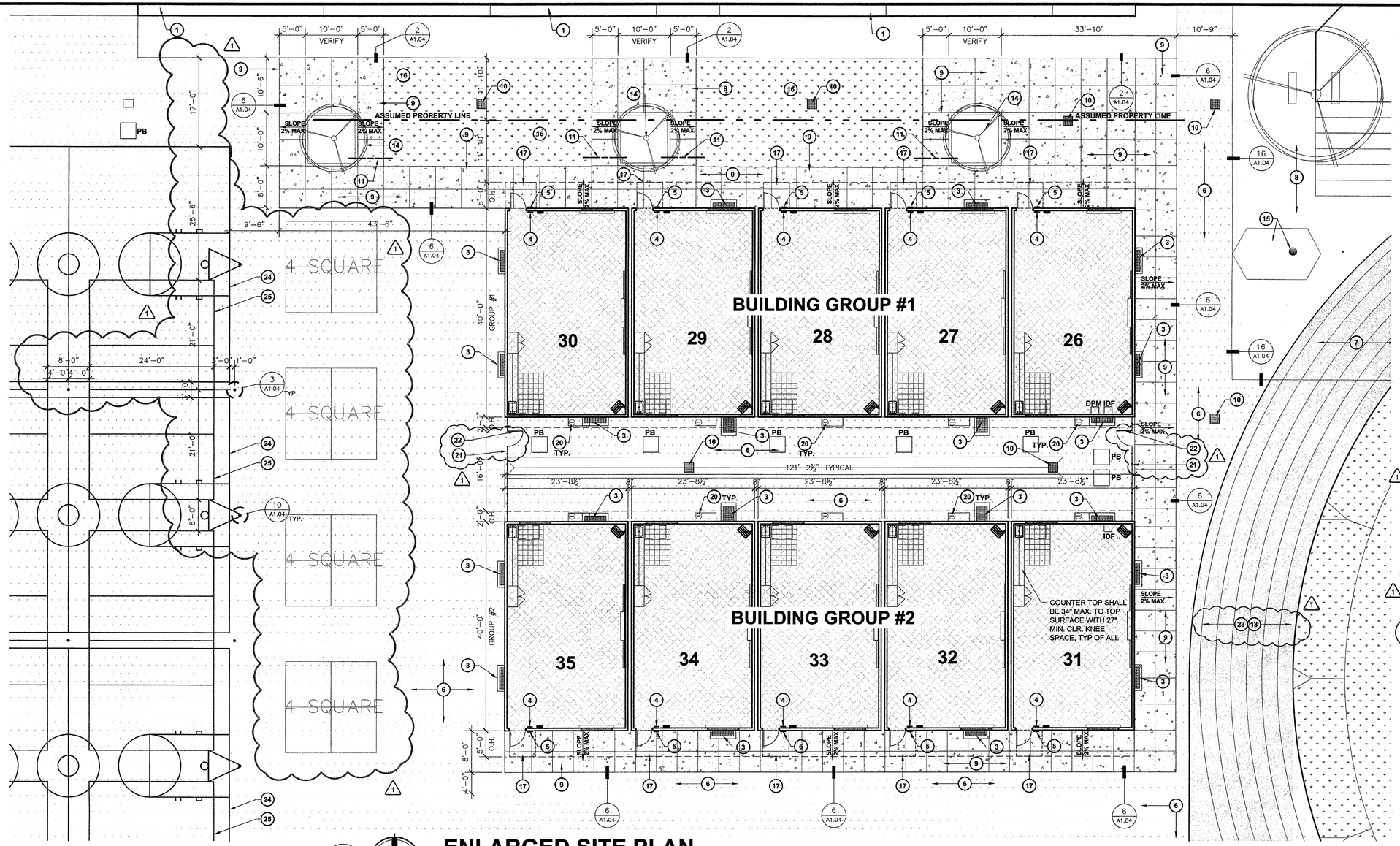
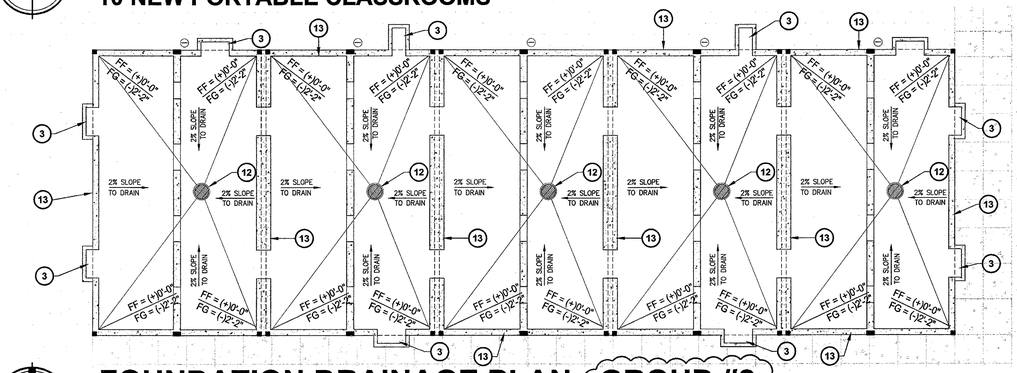


1 A1.03

ENLARGED SITE PLAN

10 NEW PORTABLE CLASSROOMS

SCALE: 1:10



2 A1.03

FOUNDATION DRAINAGE PLAN - GROUP #2

10 NEW PORTABLE CLASSROOMS

SCALE: 1:10

1

GROUP #1 BUILDINGS
- FOUNDATION LAYOUT SIMILAR AT GROUP #2 BUILDINGS
- REFER TO MANUF. DRAWINGS FOR ALL OTHER INFORMATION

KEY NOTES

1. EXISTING BUILDING TO REMAIN, NO WORK
2. EXISTING ELECTRICAL ENCLOSURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.
3. 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.
4. NEW TACTILE EXIT SIGN PER 8/A1.04
5. NEW ROOM IDENTIFICATION SIGN PER 4/A1.04
6. NEW AC PAVING PER DETAIL 11/A1.04
7. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC-PAVING, APPROVED BY THE LOCAL JURISDICTION.
8. EXISTING AC-PAVING TO REMAIN
9. NEW 4" THICK CONCRETE WITH MEDIUM BROOM FINISH AND SCORE JOINTS PER DETAIL 1/A1.04
10. NEW DRAIN INLET REFER TO CIVIL FOR ALL GRADING AND DRAINAGE INFORMATION.
11. NEW IRRIGATION SLEEVE PER 10/A1.05
12. NEW DRYWELL DRAIN, LOCATE ONE BELOW EACH CLASSROOM A MINIMUM OF 2' BELOW THE BOTTOM OF THE FOOTING WALL, REFER TO DETAIL 8/A1.04 AND MANUFACTURES DRAWINGS FOR ADDITIONAL INFORMATION.
13. CONCRETE CLASSROOM FOUNDATION, REFER TO MANUFACTURES DRAWINGS FOR ADDITIONAL INFORMATION
14. EXISTING TREE & PLANTER TO REMAIN, WATER REGULARLY AND PROTECT FROM DAMAGE DURING CONSTRUCTION
15. EXISTING FLAG POLE AND BASE TO REMAIN
16. NEW LAWN, CONNECT NEW IRRIGATION TO EXISTING IRRIGATION SYSTEM.
17. 60'x60' LEVEL LANDING AREA, SLOPE SHALL BE 2% MAXIMUM IN ANY DIRECTION
18. NEW AC-PAVED FIRE TRUCK ACCESS LANE, REFER TO CIVIL FOR PAVEMENT SECTION
19. NEW TREE AND PLANTER, SPECIES SELECTED BY OWNER, PLANTER PER DETAIL 3/A1.04
20. HVAC CONDENSATE DRAIN PER DETAIL 9/A1.05
21. NEW 6'-0" HIGH CHAIN LINK FENCE
22. NEW 6'-0" HIGH CHAN LINK GATE WITH FORK LATCH AND LOCK KEYED TO DISTRICT STANDARD
23. NEW AC-PAVING SHALL BE RE-STRIPED WHERE PAVEMENT HAS BEEN REMOVED TO MATCH EXISTING TRACK STRIPING
24. NEW BASKETBALL COURT PER DETAIL 15/A1.04
25. NEW VOLLEYBALL COURT PER DETAIL 15/A1.04

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- NEW 4" THICK CONCRETE WALK WITH MEDIUM BROOM FINISH
- INDICATES NEW ASPHALT PAVING, REFER TO CIVIL FOR ADDITIONAL INFO.
- INDICATES FIRE TRUCK ACCESS OVER AC PAVING
- INDICATES NEW TURF AND IRRIGATION SYSTEM INSTALLED BY CONTRACTOR
- HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL

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1	ADDENDUM #1	10/15/09

Sheet Title: ENLARGED SITE PLAN AND FOUNDATION DRAINAGE

Project Name & Address: MUNSEY ELEMENTARY SCHOOL 10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Date:	Designer:	DR:	PC:
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Stamp(s):

LICENSED ARCHITECT CURTIS E. FLYNN No. C 28966 REN. 5-31-11 STATE OF CALIFORNIA

Job No.: 3832

Sheet No.: A1.03

Release: ADDENDUM #1

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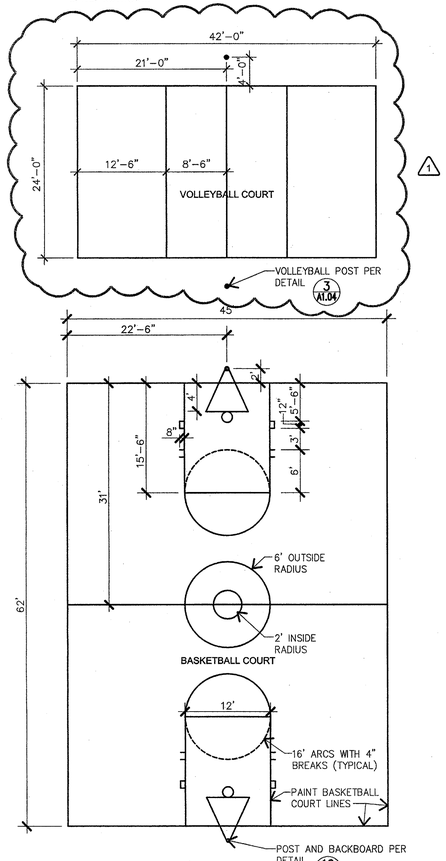
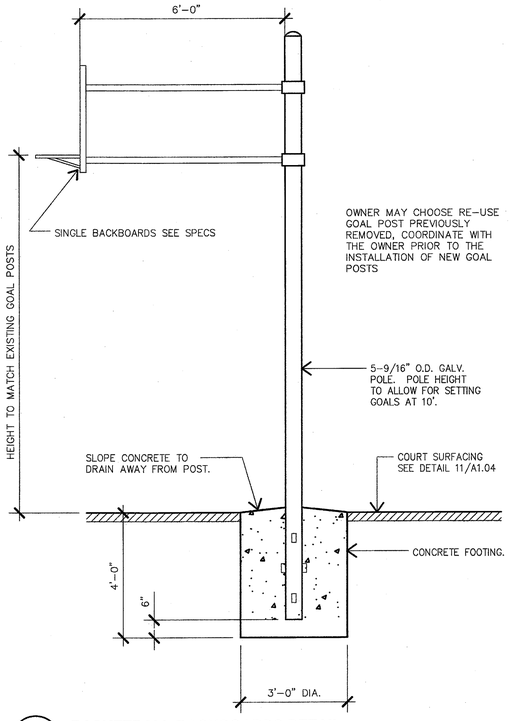
GAME COURT NOTES:

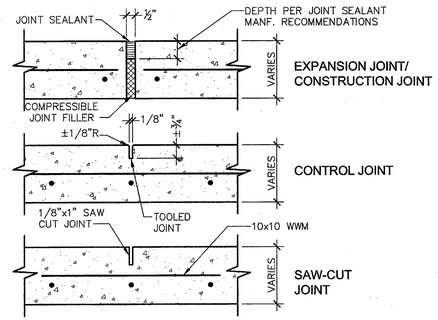
1. ALL COURT LINES ARE TO BE 2" IN WIDTH.
2. ALL BASKETBALL COURT LINES ARE TO BE WHITE
   ALL VOLLEYBALL COURT LINES ARE TO BE YELLOW (1)
3. ALL GAME COURT DIMENSIONS ARE TO THE INSIDE OF COURT LINES. WITH THE EXCEPTION OF CENTERLINES.
4. LOCATE GAME COURTS AND POSTS AS SHOWN ON SHEET A1.02 & A1.03 (1)
5. GAME COURT PAVING IS TO HAVE AN ASPHALT BASED SEAL COAT PLACED OVER THE NEW ASPHALTIC CONCRETE PRIOR TO THE STRIPING OF THE GAME COURTS.
6. ALL PLAY EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.



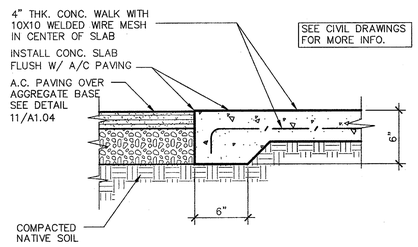
15 A1.04 GAME COURT PLAN DETAIL — SCALE: N.T.S.



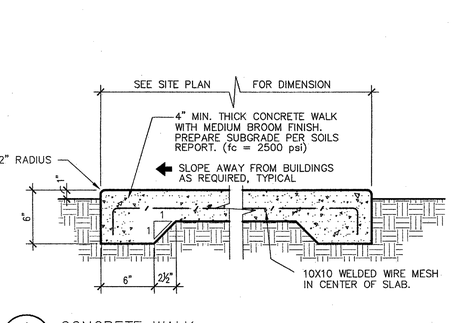
10 A1.04 BASKETBALL BACKBOARDS DETAIL — SCALE: 1/2" = 1'-0"



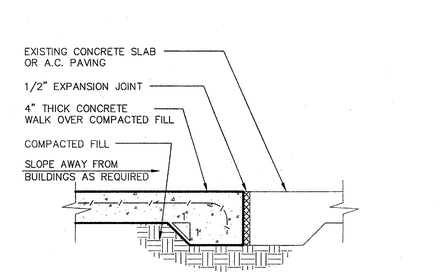
5 A1.04 CONCRETE JOINTS — ADS110-01 — SCALE: 3" = 1'-0"



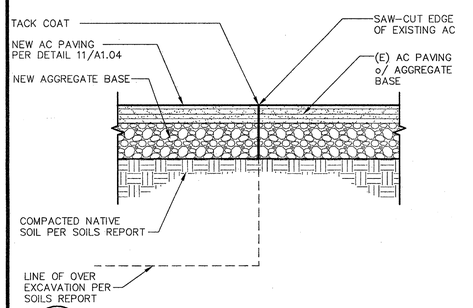
6 A1.04 CONCRETE SLAB AT PAVING — ADS100-03 — SCALE: 1 1/2" = 1'-0"



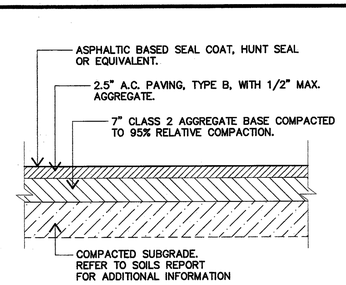
1 A1.04 CONCRETE WALK — ADT005 DSM8 — SCALE: 1 1/2" = 1'-0"



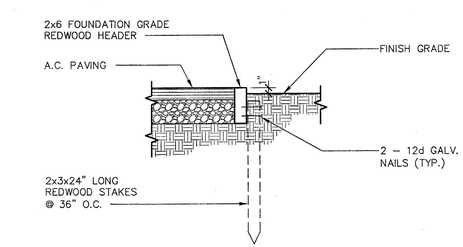
2 A1.04 CONCRETE SLAB/ WALK DETAIL — ADT006 DSM8 — SCALE: 1 1/2" = 1'-0"



16 A1.04 NEW TO EXSITING AC/PAVING — ADS100-07 — SCALE: 1 1/2" = 1'-0"

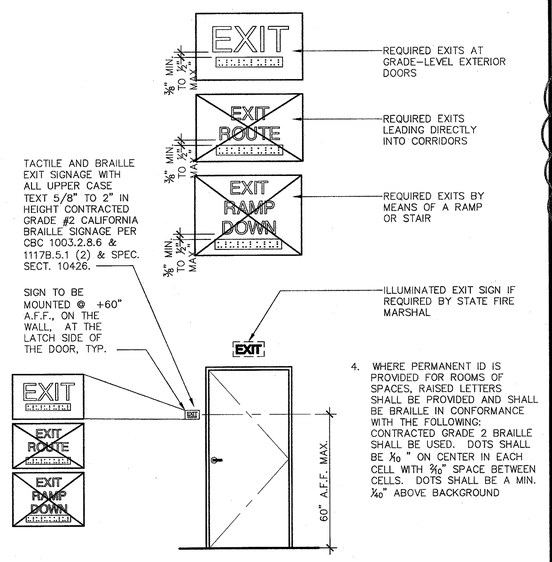


11 A1.04 TYPICAL PLAY COURT PAVEMENT SECTION — SCALE: N.T.S.



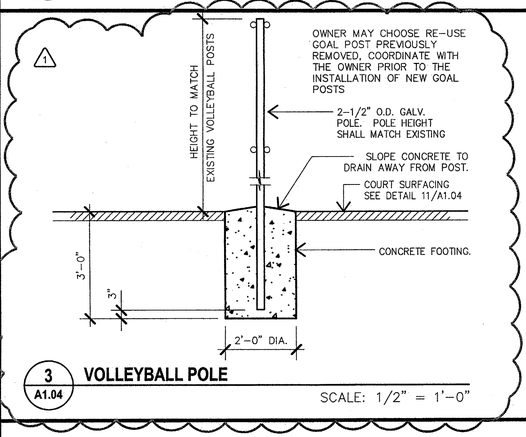
12 A1.04 REDWOOD HEADER DETAIL — ADS100-17 — SCALE: 1" = 1'-0"

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 A4.30.5



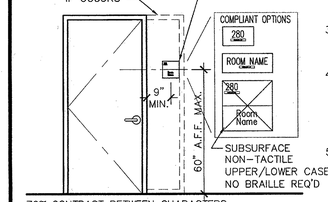
4. WHERE PERMANENT ID IS PROVIDED FOR ROOMS OF SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE X₀ " ON CENTER IN EACH CELL WITH ¾" SPACE BETWEEN CELLS. DOTS SHALL BE A MIN. ¼₀" ABOVE BACKGROUND

8 A1.04 TYPICAL EXTERIOR DOOR SIGNAGE — ADA200-13 — SCALE: 3/8" = 1'-0"



3 A1.04 VOLLEYBALL POLE — SCALE: 1/2" = 1'-0"

TACTILE & BRAILLE ROOM ID SIGNAGE, 1117B.5.1. (2) ALL UPPER CASE TEXT ⅝"-2" HEIGHT CONTRACTED GRADE 2 CALIFORNIA BRAILLE PER SPEC. SECT. 10426. & PER NOTE #4 OF 8/A1.04



70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER ADAAG A4.30.5

4 A1.04 ROOM ID SIGNAGE — ADA100-25 — SCALE: N.T.S.

NOTES:
1. DOOR SIGNS TO BE CONSTRUCTED FROM ¼" 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 A4.30.5
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

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Revision:	Revision Description:	Rev. Date:
1	ADDENDUM #1	10/15/09

Sheet Title: SITE DETAILS

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Designer:	DR:	PC:
----	--	--	CJM
Date: 10/15/09			

DSA Identification Stamp:
FILE #: 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112985
AC____FLS____SS____
DATE_____
TRACKING #: 63321-96

Stamp(s):

LICENSED ARCHITECT CURTIS E. FLYNN No. C 28966 REN. 8-31-11 STATE OF CALIFORNIA

Job No.: 3832

Sheet No.: A1.04

Release: - ADDENDUM #1

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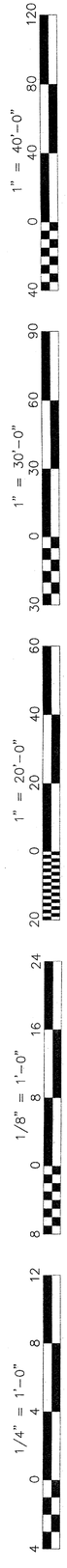
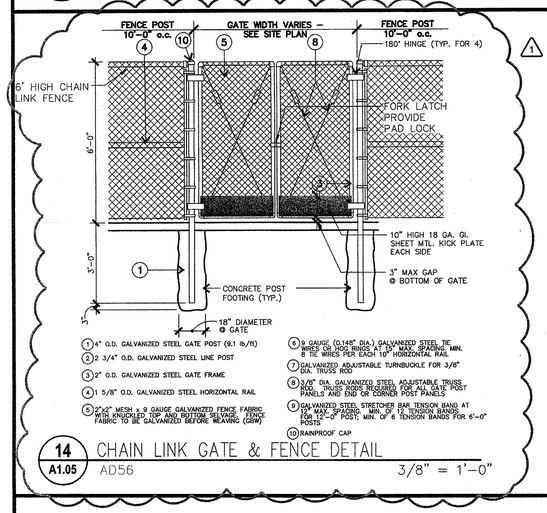
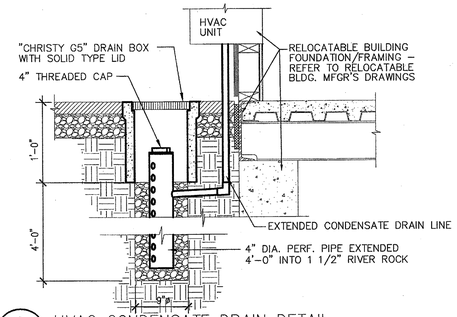


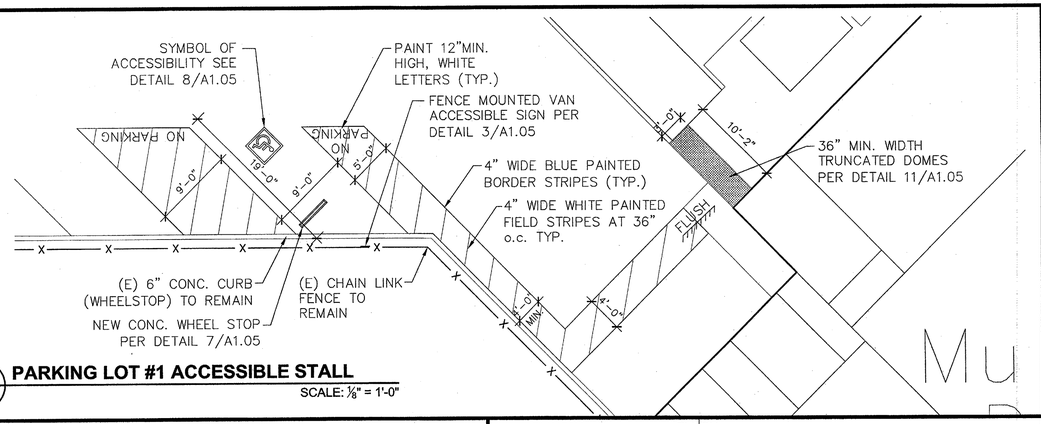
13 / A1.05



14 / A1.05 **CHAIN LINK GATE & FENCE DETAIL**
AD56 3/8" = 1'-0"

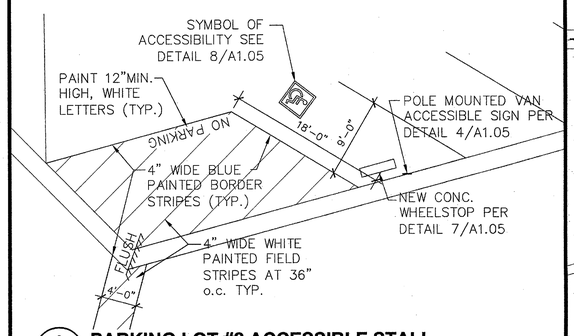


9 / A1.05 **HVAC CONDENSATE DRAIN DETAIL**
SCALE: N.T.S.

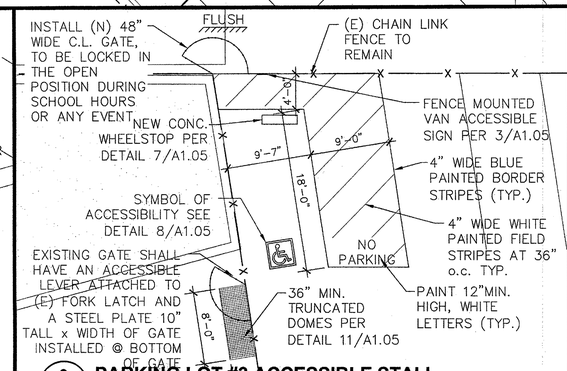


1 / A1.05 **PARKING LOT #1 ACCESSIBLE STALL**
SCALE: ⅛" = 1'-0"

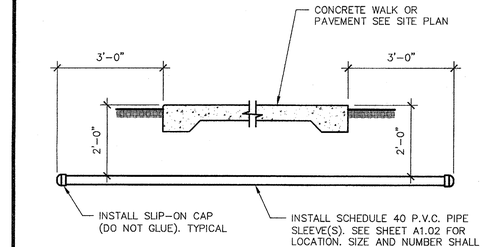
10 / A1.05



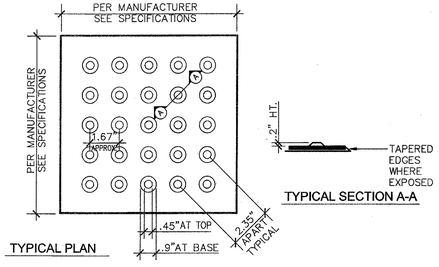
6 / A1.05 **PARKING LOT #2 ACCESSIBLE STALL**
SCALE: ⅛" = 1'-0"



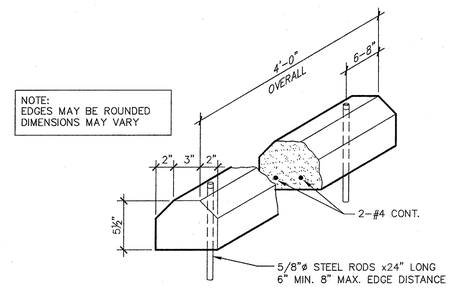
2 / A1.05 **PARKING LOT #3 ACCESSIBLE STALL**
SCALE: ⅛" = 1'-0"



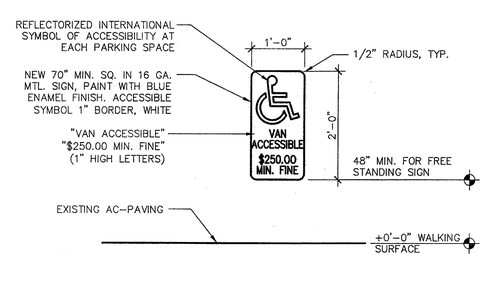
15 / A1.05 **IRRIGATION SLEEVE DETAIL**
ADS100-13 SCALE: 1/2" = 1'-0"



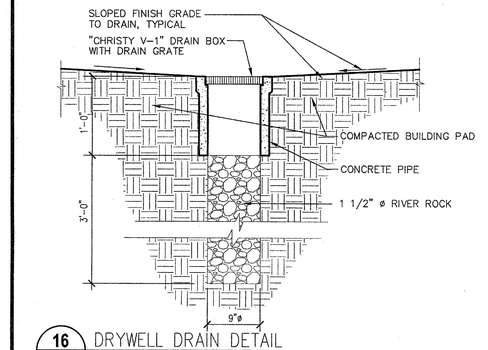
11 / A1.05 **CBC FIGURE 11B-23A - TRUNCATED DOMES**
ADA100-06 SCALE: N.T.S.



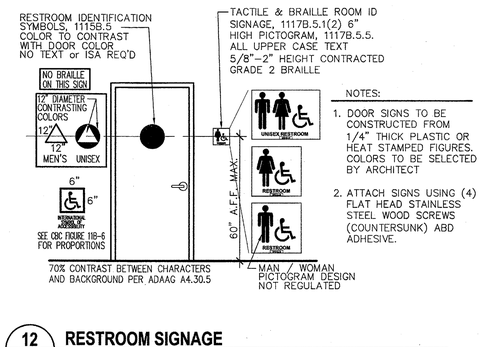
7 / A1.05 **WHEEL STOP**
ADA100-07 SCALE: 1 1/2" = 1'-0"



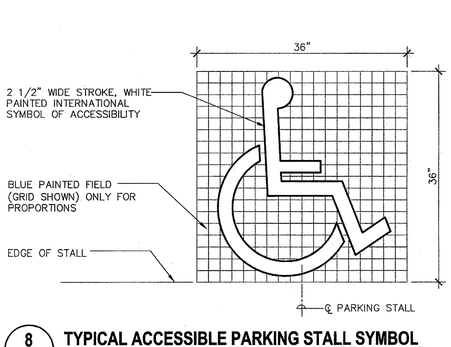
3 / A1.05 **FENCE MOUNTED VAN ACCESSIBLE PARKING STALL SIGN**
ADA100-04-2 SCALE: 3/4" = 1'-0"



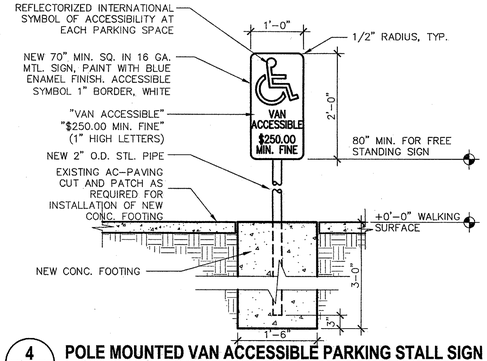
16 / A1.05 **DRYWELL DRAIN DETAIL**
ADT013 DSM12 SCALE: N.T.S.



12 / A1.05 **RESTROOM SIGNAGE**
ADA200-03 SCALE: 1' = 1'-0"



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



4 / A1.05 **POLE MOUNTED VAN ACCESSIBLE PARKING STALL SIGN**
ADA100-04 SCALE: 3/4" = 1'-0"

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Revision:	Revision Description:	Rev. Date:	Revision:	Rev. Date:
1	ADDENDUM #1	10/15/09		

Sheet Title: SITE DETAILS

Project Name & Address:
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BAKERSFIELD CITY SCHOOL DISTRICT
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Issue Date:	Date:	Designer:	DR:	FC:
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Job No.: 3832

Sheet No.: A1.05

Release: - ADDENDUM #1

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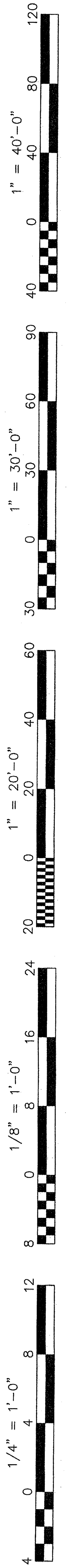
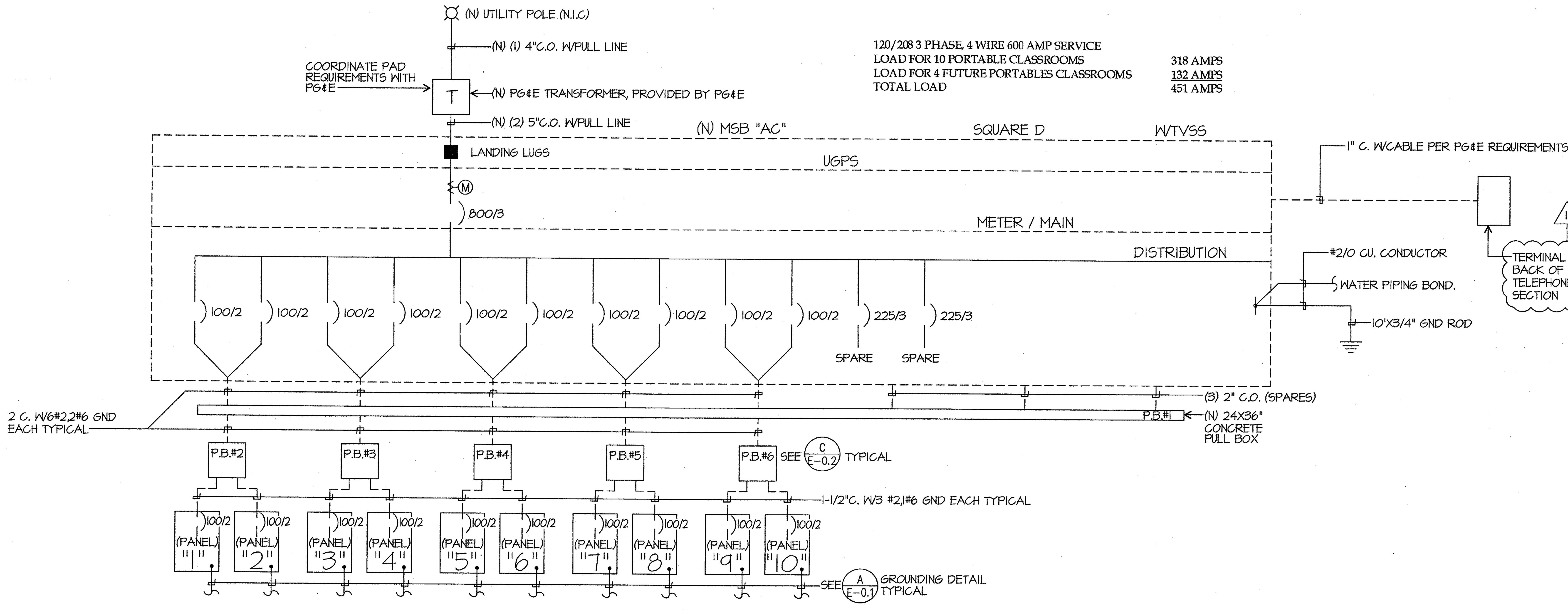


120/208 3 PHASE, 4 WIRE 600 AMP SERVICE

LOAD FOR 10 PORTABLE CLASSROOMS	318 AMPS
LOAD FOR 4 FUTURE PORTABLES CLASSROOMS	132 AMPS
TOTAL LOAD	451 AMPS

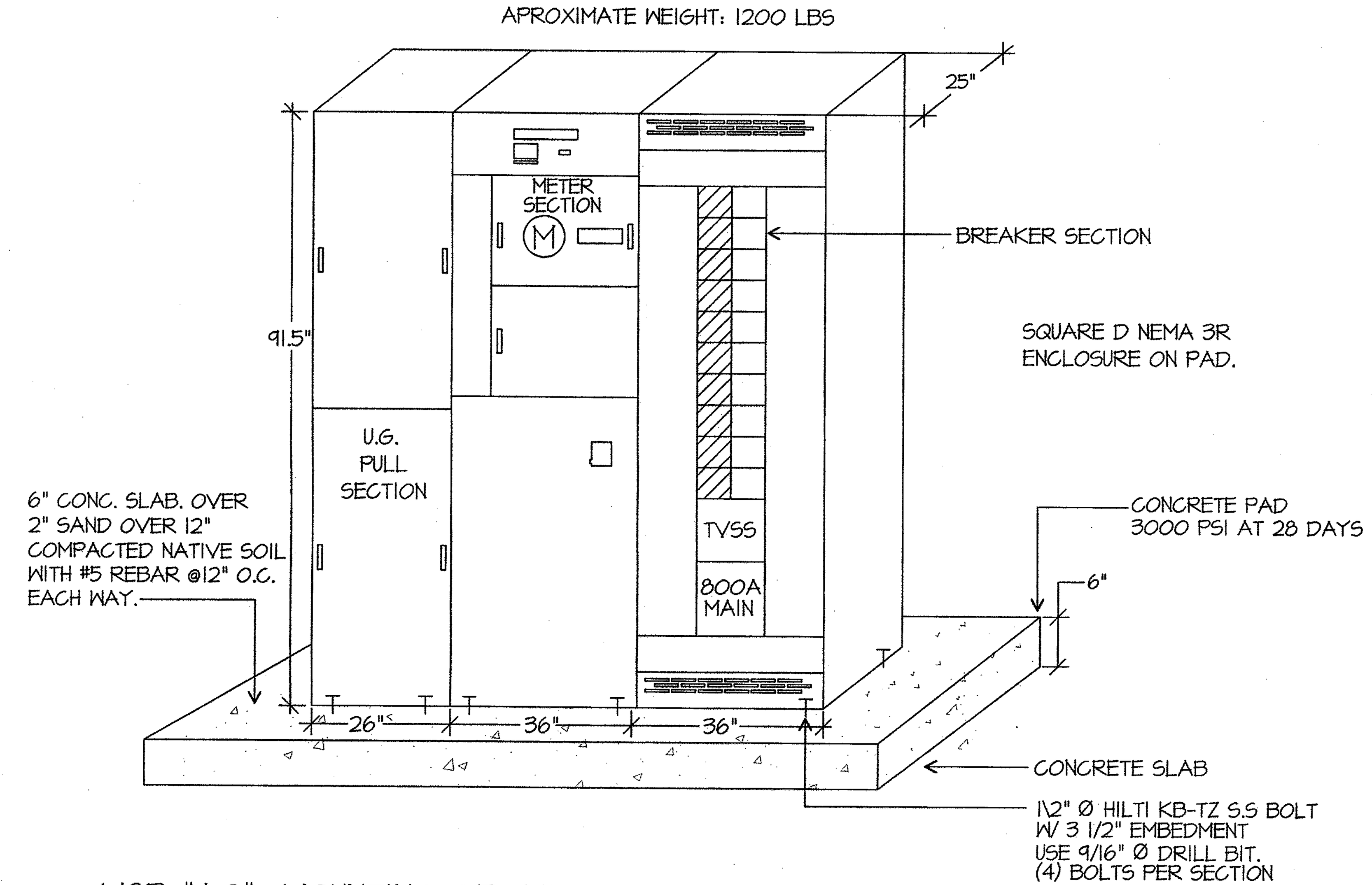


SINGLE LINE DIAGRAM (A)

NOTES:

1. FOR OUTDOOR PANEL MOUNTING, CONCRETE PAD SHALL BE 6" WIDER THAN PANEL HOUSING. TOP OF SLAB SHALL BE 2" ABOVE ADJACENT GRADE.

APROXIMATE WEIGHT: 1200 LBS



MSB "AC" MOUNTING DETAIL (B)

SCALE: NONE

CODE REQUIREMENTS

PERFORMANCE OF THE WORK OF THIS CONTRACT SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE GOVERNING CODES AND ORDINANCES INCLUDING THE FOLLOWING:

2007	BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
2007	CALIFORNIA BUILDING CODE, PART 2, TITLE 24 C.C.R. (2006 IBC, VOLUMES 1-3 WITH CALIFORNIA AMENDMENTS)
2007	CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2005 N.E.C. WITH CALIFORNIA AMENDMENTS)
2007	CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R (2006 U.M.C. WITH CALIFORNIA AMENDMENTS)
2007	CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2006 U.P.C. WITH CALIFORNIA AMENDMENTS)
2007	CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2007	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2006 I.F.C. WITH CALIFORNIA AMENDMENTS)
2007	CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
NFPA 13	AUTOMATIC SPRINKLER SYSTEM ------------2002 EDITION
NFPA 14	STANDPIPE SYSTEM ------------------------------2003 EDITION
NFPA 17A	WET CHEMICAL SYSTEM -----------------------2002 EDITION
NFPA 24	PRIVATE SERVICE MAINS ----------------------2002 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE ---------------2002 EDITION (NOTE SEE UL STANDARDS 1971 FOR ("VISUAL DEVICES")

GENERAL NOTES

1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
4. ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
6. FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
7. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARD SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
8. CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
9. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
10. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GROUND CONDUCTOR.
11. THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL CONDUCTORS SHALL BE IN CONDUIT.
13. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.

SYMBOLS

- CONDUIT EXISTING
- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
- CONDUIT STUBBED OUT AND CAPPED
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT (3) MAX. IN 1/2" C., (5) MAX. IN 3/4" C., (8) MAX. IN 1"C., NO MARKS = 2#12
- A-3 HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S).
- SAWCUT
- GROUND CONNECTION
- DISTRIBUTION SWITCHBOARD OR PANEL
- PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH
- SIGNAL TERMINAL CABINET, SURFACE & FLUSH
- FLUORESCENT FIXTURE
- 2 a OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
- SURFACE FIXTURE ON FLUSH OUTLET.
- RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
- EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
- LOW LEVEL EXIT SIGN, +6" AFF, +4" FROM DOOR JAMB
- A 100 LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.
- FC 1 MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
- SPECIAL RECEPTACLE – SEE PLAN
- M METER
- FLUSH FLOOR RECEPTACLE
- RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" U.N.O.
- DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH
- DUPLEX RECEPTACLE W/LOWER HALF SWITCHED
- GFI GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- CEILING RECEPTACLE
- RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" U.N.O.
- J JUNCTION BOX 4" SQUARE, 1-1/2" DEEP U.N.O.
- T THERMOSTAT F.B.O. +48"
- 2 MOTOR, NO. INDICATES HORSEPOWER
- CLOCK OUTLET +7'-6" U.N.O.
- DISCONNECT SWITCH, NON-FUSED
- F DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
- COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
- MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
- S RECESSED SPEAKER
- PUSHBUTTON
- PC PHOTOCELL
- SD SMOKE DETECTOR
- TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" U.N.O.
- CABLE TV OUTLET +18" U.N.O.
- M MOTION SENSOR
- $ EXISTING SWITCH
- S SINGLE POLE SWITCH
- S^2 DOUBLE POLE SWITCH
- S^3 THREE WAY SWITCH
- S^P SWITCH W/PILOT LT.

(S, S^2, S^3, S^P:) QUIET TOGGLE TYPE RATED AT 20A 120/277V A.C. +42" U.N.O.

- S^M MANUAL MOTOR STARTER
- FACP FIRE ALARM CONTROL PANEL
- GFI GROUND FAULT CIRCUIT INTERRUPTING
- LST LABOR SAVING TANDEM
- MLO MAIN LUGS ONLY
- W/ WITH
- C.O. CONDUIT ONLY
- W.P. WEATHERPROOF
- F.B.O. FURNISHED BY OTHERS, INSTALL & CONNECT
- U.N.O. UNLESS NOTED OTHERWISE
- N.E.C. NATIONAL ELECTRICAL CODE
- N.I.C. NOT IN CONTRACT
- (E) EXISTING
- (N) NEW
- (R) REMOVE
- (RL) RELOCATE
- S/M SURFACE MOUNT
- U/G UNDERGROUND
- CWP COLD WATER PIPE
- AFF ABOVE FINISHED FLOOR
- HACR HEATING AND AIR CONDITIONING RATED CIRCUIT BREAKER
- N.L. NIGHT LIGHT

NOTE: NOT ALL SYMBOLS SHOWN ARE USED ON THIS PROJECT.

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Revision:	Revision Description:	Rev. Date:	Revision:	Revision Description:	Rev. Date:
1	ADDENDUM 1	10/15/09			

Sheet Title: SINGLE LINE DIAGRAM,SYMBOLS DETAILS,GENERAL NOTES

Project Name & Address: MUNSEY ELEMENTARY SCHOOL 10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date: Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: CJM

DSA Indentification Stamp:

Stamp(s):

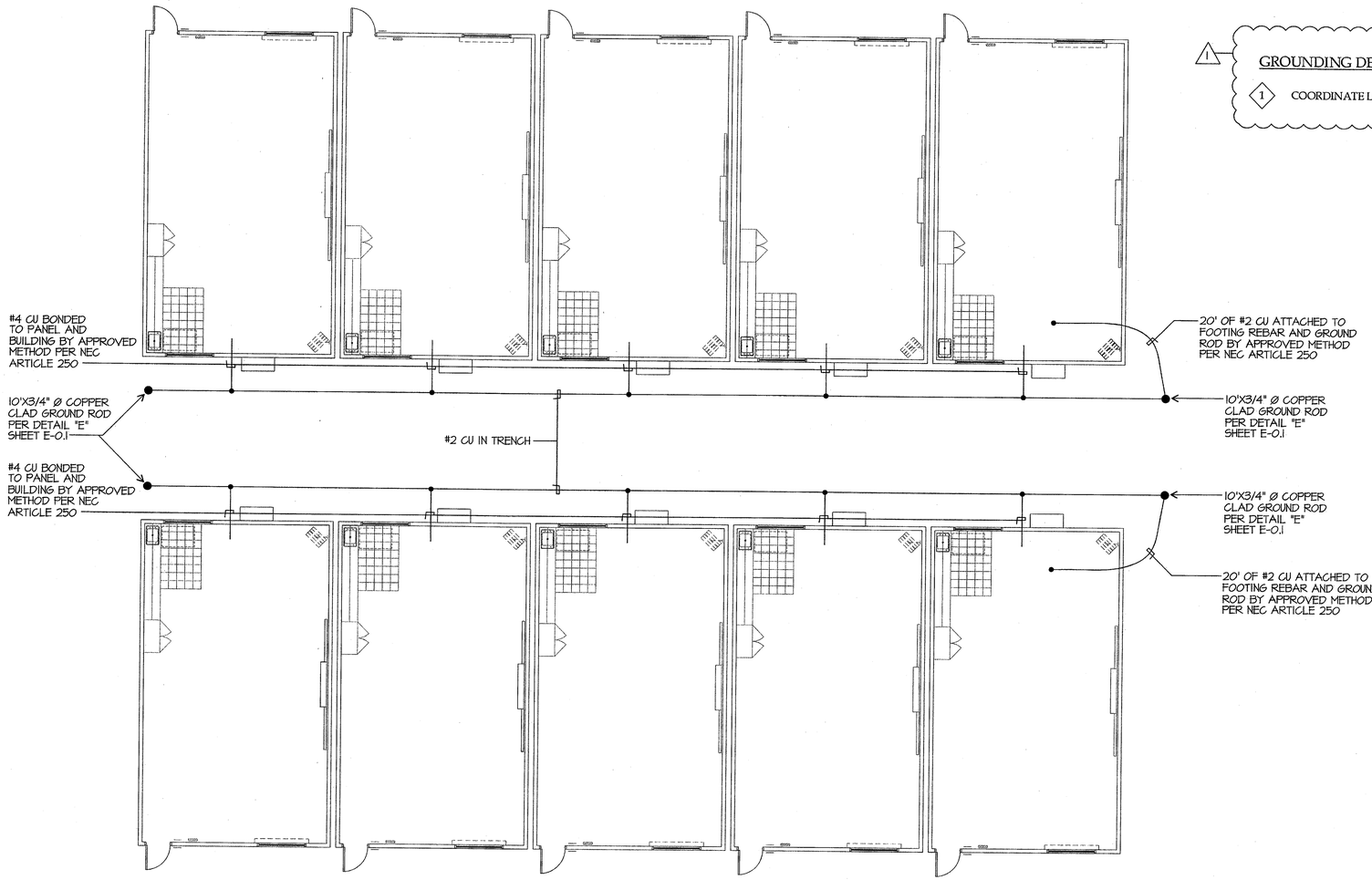
LICENSED ARCHITECT CURTIS E FLYNN No. C 28966 REN. 5-31-09 STATE OF CALIFORNIA

Job No.: 3832

Sheet No.: E-0

Release: ADDENDUM#1

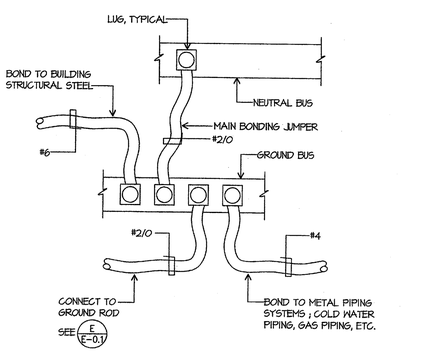
CURTIS MCNALLY



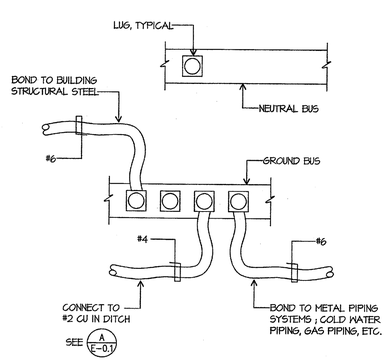
GROUNDING DETAIL NOTES

1. COORDINATE LOCATIONS OF WORK SHOWN WITH CIVIL DRAWINGS.

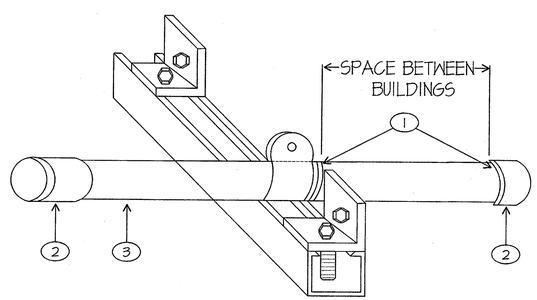
GROUNDING DETAIL (1) (1) — SCALE: 1/8"=1'-0" (A)



BONDING DIAGRAM "MSB" — SCALE: NONE (B)

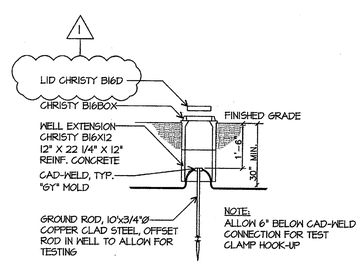


BONDING DIAGRAM PORTABLE PANEL — SCALE: NONE (C)



CONDUIT SLEEVE SUPPORT
WALL MOUNTED UNISTRUT BRACKETS
FOR ONE OR MORE CONDUITS — SCALE: NONE (D)

1. FOAM FILL AND FIRE CAULK THE WALLS AFTER CONDUITS ARE INSTALLED.
2. INSULATED THROAT SET SCREW CONNECTOR
3. USE OF EMT IS ACCEPTABLE FOR SLEEVE INSTALLATION.



GROUND ACCESS BOX (E)

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Sheet Title: SINGLE LINE DIAGRAM,SYMBOLS DETAILS,GENERAL NOTES

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BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: CJM

DSA Indentification Stamp:

Stamp(s):

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Job No.: 3832

Sheet No.: E-0.1

Release: APPENDUM #1

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REGISTERED PROFESSIONAL ENGINEER ERIC MAHONEY ELECTRICAL STATE OF CALIFORNIA

JMPE/JOB#:09082/DATE:10-15-09 AC
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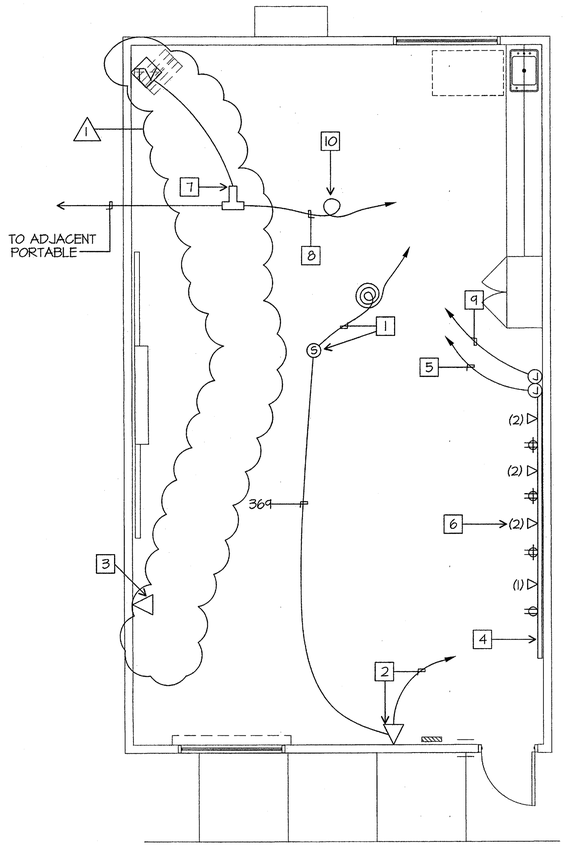
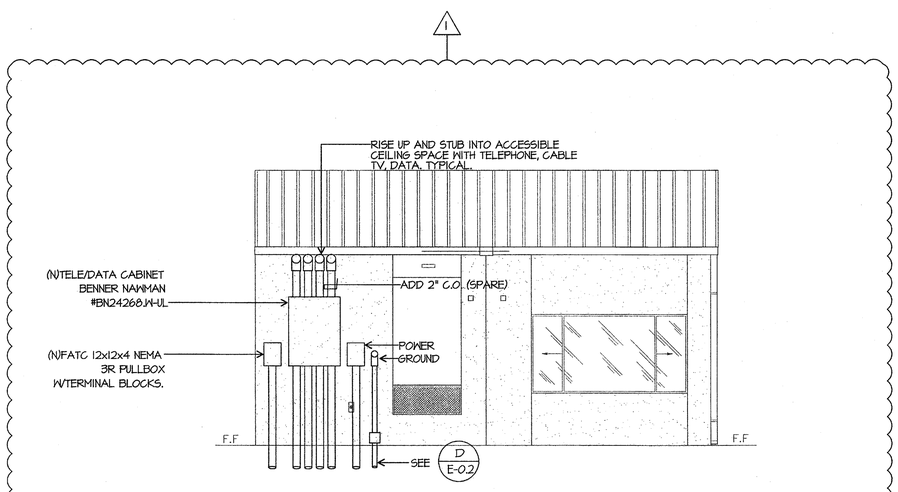


TYPICAL CLASSROOM

A

TYPICAL CLASSROOM NOTES

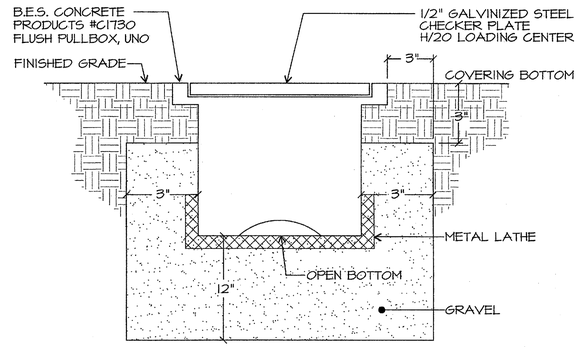
1. PROVIDE (ATLAS MODEL #SD72-W 25W/70W OR EQUAL) CEILING MOUNTED SPEAKER. PROVIDE A DEDICATED WESTPENN 369 CABLE BACK TO THE TERMINAL CABINET. TERMINATE ON 66 BLOCK. TERMINATE SHIELDED CABLE ON SPEAKER. PROVIDE 3 SERVICE LOOPS OF CABLE AT EACH SPEAKER LOCATION.
2. PROVIDE (CORTELCO EASYTOUCH MODEL #240085-VOE-21F, COLOR SANDSTONE) TELEPHONE WITH RJ11 JACK AT EXISTING OUTLET. EXTEND 369 CABLE FROM SPEAKER, USE ONE OF TWO PAIR LEFT FOR TELEPHONE CONNECTION. PROVIDE ONE DEDICATED CAT 5 CABLE, (GENERAL CABLE #5500) TO IDF CABINET (FUTURE SPARE).
3. PROVIDE RJ45 DATA JACK AT (E) OUTLET. ROUTE (1) CAT5 CABLE (GENERAL CABLE #5500) BACK TO NEAREST IDF CABINET AND TERMINATE ON PATCH PANEL.
4. SURFACE MOUNT WIREMOLD BRAND, TWO COMPARTMENT 5400 SERIES RACEWAY WITH SPLIT COVER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES, FITTINGS, FACEPLATES AND DEVICES FOR A COMPLETE SYSTEM. COORDINATE EXACT LOCATION WITH ROBERT VAN TASSLE, SUPERVISOR, PLANNING AND CONSTRUCTION BAKERSFIELD CITY SCHOOL DISTRICT, 661-631-5884. MOUNT AT 18" A.F.F.
5. PROVIDE (7) CAT5 CABLES BACK TO CLOSEST IDF AND TERMINATE ON PATCH PANEL.
6. NUMBER SIGNIFIES THE QUANTITY OF RJ45 JACKS AT DATA LOCATION. CONTRACTOR SHALL PROVIDE AND INSTALL CABLE, JACKS AND TERMINATIONS.
7. PROVIDE BLONDER TONGUE T-TAPS WITH QUAD SHIELD COMPRESSION TERMINATIONS. CABLE CONTINUES TO ADJACENT PORTABLE CLASSROOM. INTERIOR TV CABLE SHALL BE RG6 QUAD SHIELD CABLE. PROVIDE 12' OF EXTRA CABLE PER CLASSROOM. COORDINATE WITH GARY TAYLOR, NETWORK SYSTEMS ENGINEER FOR BAKERSFIELD CITY SCHOOL DISTRICT, 661-631-4745.
8. FROM COMMUNICATION TERMINAL CABINET.
9. TO SPARE 120V CIRCUIT IN CLASSROOM PANEL. PROVIDE 20/1 CIRCUIT BREAKER AS NEEDED.
10. PROVIDE 2' SERVICE LOOP, TYPICAL.



ELEVATION AT REAR OF RELO 26 AND 31

SCALE: NONE

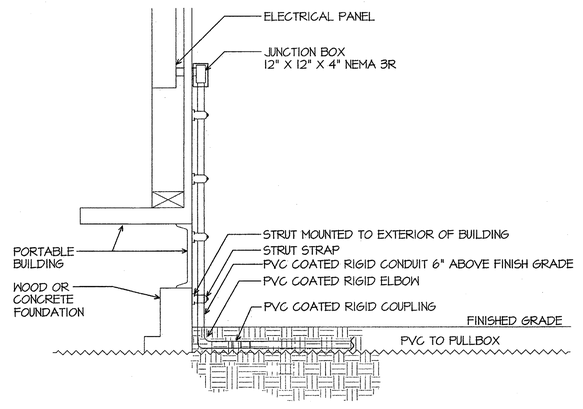
B



FLUSH PULLBOX DETAIL

SCALE: NONE

C



TYPICAL PORTABLE CONNECTION

SCALE: NONE

D

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Revision:	Revision Description:	Rev. Date:
1	ADDENDUM 1	10/15/09

Sheet Title: SINGLE LINE DIAGRAM,SYMBOLS DETAILS,GENERAL NOTES

Project Name & Address: MUNSEY ELEMENTARY SCHOOL 10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date: Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: C.JM

DSA Indentification Stamp:

Stamp(s):

LICENSED ARCHITECT CURTIS E. FLINN No. C 28968 REN. 5-31-10 STATE OF CALIFORNIA

Job No.: 3832

Sheet No.: E-0.2

Release: ADDENDUM #1

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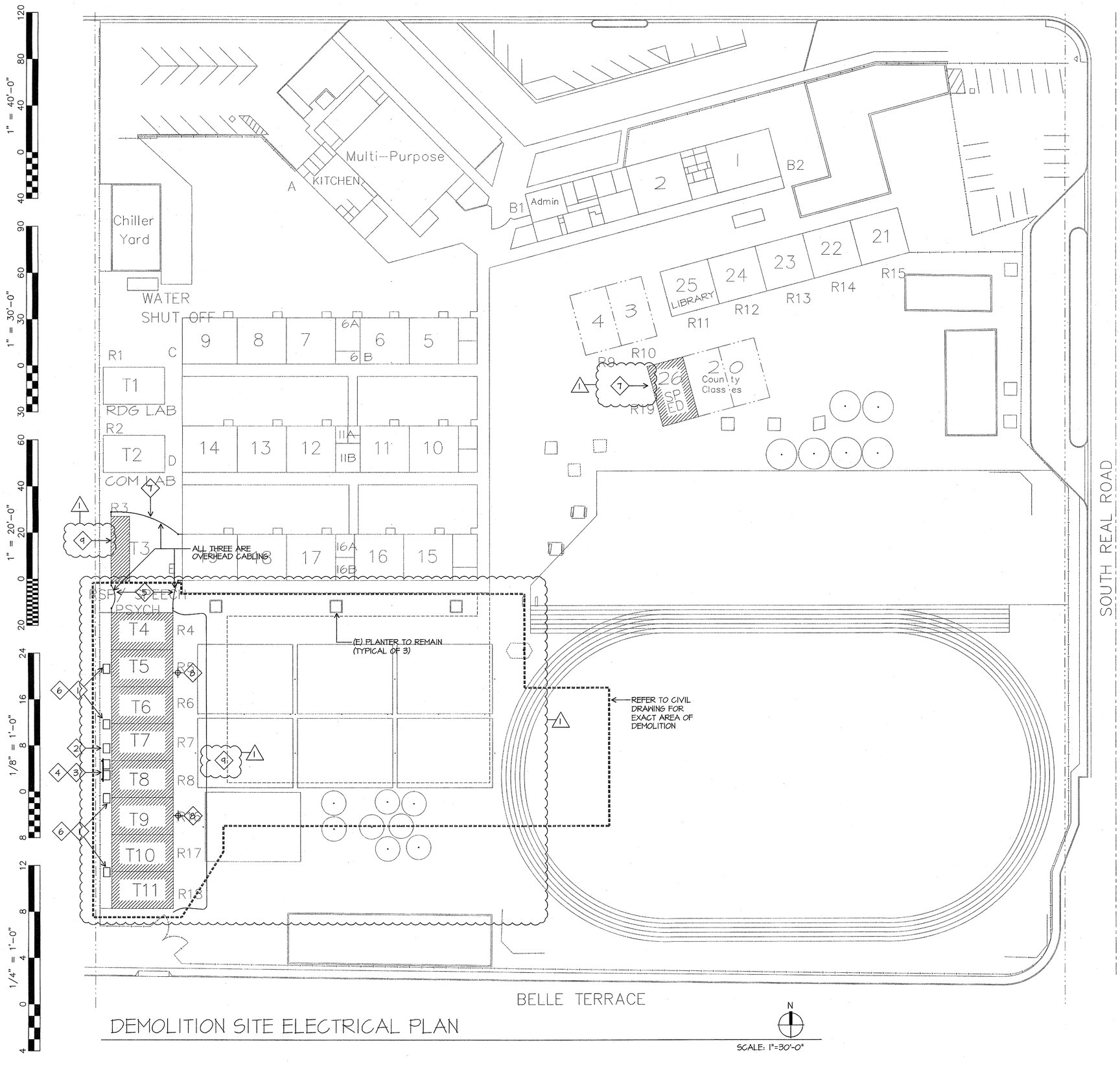
REGISTERED PROFESSIONAL ENGINEER MALCOLM MAY No. E13083 ELECTRICAL STATE OF CALIFORNIA



DEMOLITION SITE ELECTRICAL PLAN

SCALE: 1"=30'-0"

DEMOLITION SITE ELECTRICAL PLAN NOTES

1. REMOVE EXISTING CONDUCTORS FROM RELOCATED BUILDING PANELS AND CONDUITS BACK TO EXISTING CONCRETE PULL BOX.
2. EXISTING CONCRETE PULL BOX TO REMAIN (N-36 PULL BOX.)
3. DISCONNECT EXISTING FEEDER CONDUCTORS AND REMOVE FROM PANEL TO EXISTING CONCRETE PULL BOX. BACKBOARD AND PANELS TO REMAIN.
4. AFTER PG&E HAS DISCONNECTED SERVICE AND REMOVED EXISTING METER, PROVIDE A BLANK METER SOCKET COVER.
5. REMOVE EXISTING OVERHEAD CABLING FROM T4 TO T3 AND T4 TO ROOM 19. CUT CABLES AT T4 AND T3 AND REMOVE ANY RISER. CUT CABLES AT ROOM 19 AND WEATHER PROOF THE CABLE ENDS.
6. REMOVE EXISTING ABOVE GROUND 12 X 12 X 4 NEMA 3R J-BOXES AND UNISTRUT SUPPORTS COMPLETELY. INSTALL (N) N-9 CONCRETE PULL BOXES OVER (E) CONDUITS. SET BOXES FLUSH TO EXISTING GRADE (TYPICAL).
7. REMOVE EXISTING OVERHEAD SERVICE CONDUCTORS FROM T-3 BACK TO ROOM 19. REMOVE AT RISER ON ROOM 19 AND WEATHER PROOF THE CONDUCTOR ENDS. REMOVE RISER FROM PANEL ON T-3.
8. REMOVE EXISTING RISER SUPPORTS AND EXTERIOR FLOOD LIGHTS.
9. EXISTING BUILDING TO REMAIN UNTIL NEW BUILDINGS ARE COMPLETED.

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Revision:	Revision Description:	Rev. Date:	Revision:	Revision Description:	Rev. Date:
1	ADDENDUM 1	10/15/09			

Sheet Title: DEMOLITION SITE ELECTRICAL PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: C.J.M

DSA Indentification Stamp:

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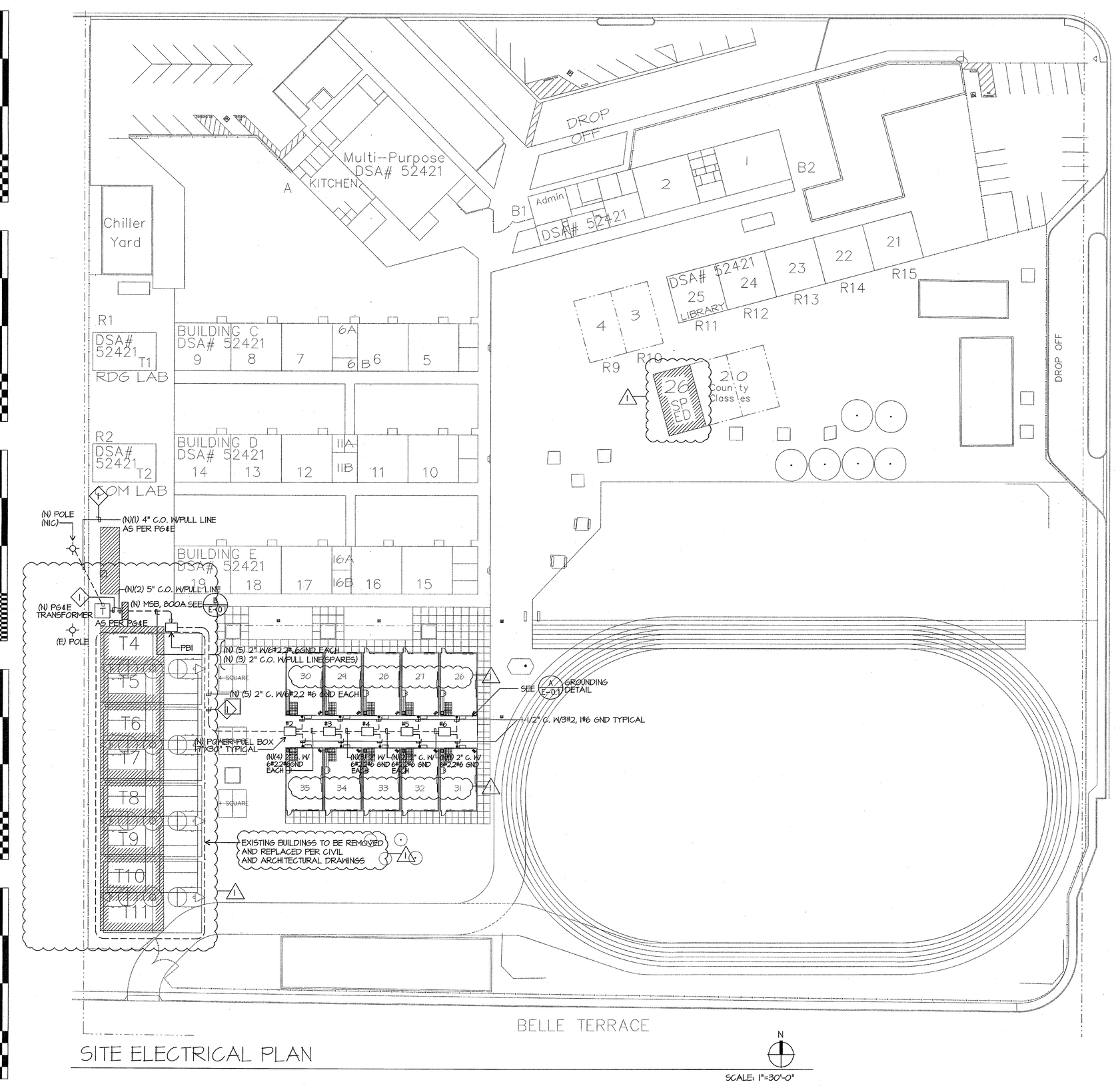
Job No.: 3832

Sheet No.: E-1

Release: ADDENDUM #1

JMPE/JOB#:09082/DATE:10-15-09 AC

CURTIS MCNALLY



SITE ELECTRICAL PLAN

SCALE: 1"=30'-0"

ELECTRICAL SITE PLAN NOTES

1. SAWCUT AND REPAIR TO MATCH EXISTING. BORING IS AN ACCEPTABLE METHOD OF CONDUIT INSTALLATION. PROVIDE METHOD OF PROCEDURE FOR BORING TO ENGINEER FOR REVIEW AND APPROVAL. DETAIL BORING PROCEDURE. IDENTIFY TYPE OF CONDUIT TO BE USED IN BORE.

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Revision:	Revision Description:	Rev. Date:
1	ADDENDUM 1	10/16/09

Sheet Title: SITE ELECTRICAL PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: CJM

DSA Indentification Stamp:

Stamp(s):

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Job No.: 3832

Sheet No.: E-1.1

Release: ADDENDUM #1

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JMPE/JOB#:09082/DATE:10-15-09 AC/CN

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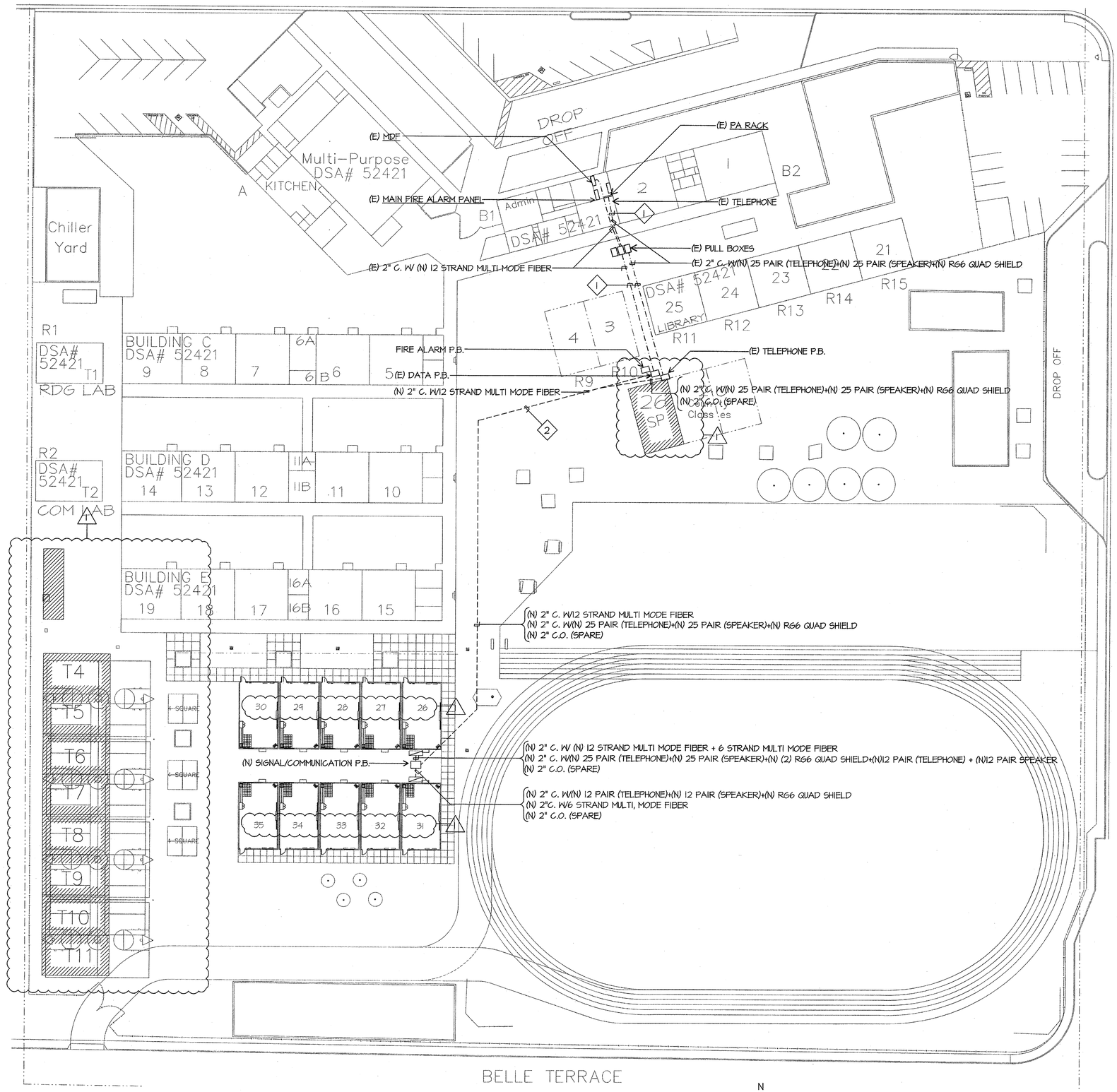

SITE COMMUNICATION PLAN

SCALE: 1"=30'-0"

SITE COMMUNICATION PLAN NOTES

1. PULL NEW CABLES IN EXISTING CONDUIT. PULL PAST EXISTING CABLES.
2. SAWCUT AND REPAIR TO MATCH EXISTING. BORING IS AN ACCEPTABLE METHOD OF CONDUIT INSTALLATION. PROVIDE METHOD OF PROCEDURE FOR BORING TO ENGINEER FOR REVIEW AND APPROVAL. DETAIL BORING PROCEDURE. IDENTIFY TYPE OF CONDUIT TO BE USED IN BORE.

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1	ADDENDUM 1	10/15/09

Sheet Title: SITE COMMUNICATION PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Designer:	DR:	PC:
05/02/06	DESIGNER	DRAFTER	CJM

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Job No.: 3832

Sheet No.: E-2

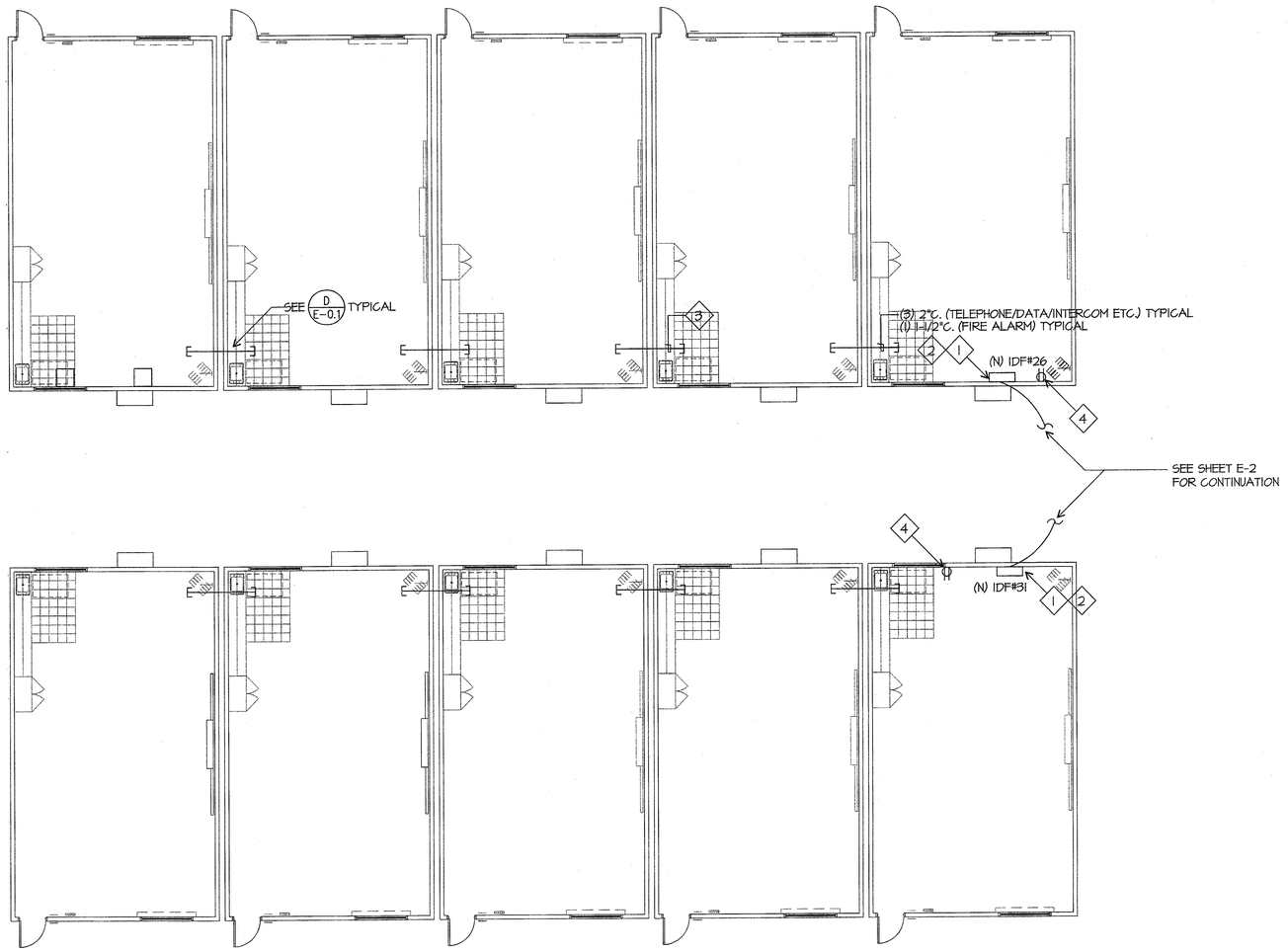
Release: ADDENDUM #1

JMPE/JOB#:09082/DATE:10-15-09 AC

CURTIS MCNALLY

COMMUNICATION PLAN NOTES

1. CONNECT TO SPARE 20/1 CIRCUIT BREAKER IN PANEL PROVIDED WITH CLASSROOM.
2. PROVIDE (1) RE4 EQUIPMENT CABINETS WITH (1) 48 PORT PATCH PANEL, AMO BCSD CONNECTORS, BY HUBBELL COMPANY. COORDINATE WITH GARY TAYLOR, NETWORK SYSTEMS ENGINEER FOR BAKERSFIELD CITY SCHOOL DISTRICT, 661-631-4745.
3. SUPPORT CABLE EVERY 5' VIA J-HOOKS, INSTALLED AT LEAST 8" ABOVE CEILING ON PERIMETER WALLS, TYPICAL.
4. ADD RECEPTACLE NEXT TO (N) IDF. PROVIDE 20/1 CIRCUIT BREAKER FROM PANEL PROVIDED WITH PORTABLE. PROVIDE MATERIALS NEEDED FOR DEDICATED CIRCUIT TO BE USED FOR INTRUSION POWER SUPPLY. COORDINATE REQUIREMENTS WITH BAKERSFIELD CITY SCHOOL VENDOR MORGAN CLAYTON, 661-397-5511.



COMMUNICATION PLAN

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

1" = 40'-0" 120 80 40 0 40
1" = 30'-0" 90 60 30 0 30
1" = 20'-0" 60 40 20 0 20
1/8" = 1'-0" 24 16 8 0 8
1/4" = 1'-0" 12 8 4 0 4

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Sheet Title: **COMMUNICATION PLAN**

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Designer:	DR:	PC:
Date: 05/02/06	DESIGNER	DRAFTER	CJM

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02-112985
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DATE SEP 24 2009

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Job No.: **3832**

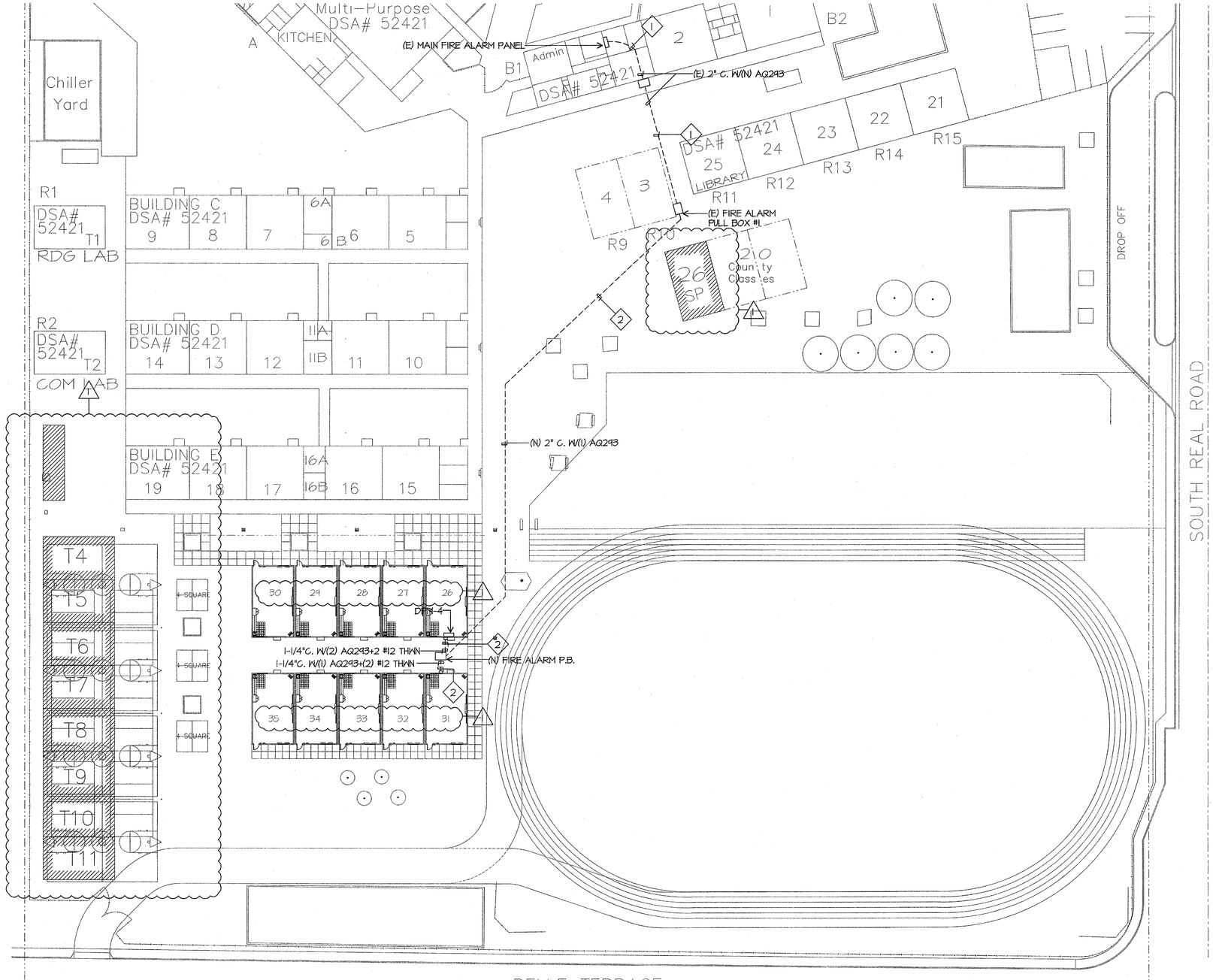
Sheet No.: **E-2.1**

Release:

JMPE/JOB#:09082/DATE:09-09-09 AC CURTIS MCNALLY

SITE FIRE ALARM PLAN NOTES

1. PULL NEW CABLES IN EXISTING CONDUIT. PULL PAST EXISTING CABLES.
2. SAWCUT AND REPAIR TO MATCH EXISTING. BORING IS AN ACCEPTABLE METHOD OF CONDUIT INSTALLATION. PROVIDE METHOD OF PROCEDURE FOR BORING TO ENGINEER FOR REVIEW AND APPROVAL. DETAIL BORING PROCEDURE. IDENTIFY TYPE OF CONDUIT TO BE USED IN BORE.



SITE FIRE ALARM PLAN

N

SCALE: 1"=30'-0"

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Revision:	Revision Description:	Rev. Date:
1	ADDENDUM 1	10/15/09

Revision:	Revision Description:	Rev. Date:

Sheet Title: SITE FIRE ALARM PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: CJM

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Job No.: 3832

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Release: ADDENDUM #1

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REGISTERED PROFESSIONAL ENGINEER JOHN MALONEY ELECTRICAL STATE OF CALIFORNIA

JMPE/JOB#:09082/DATE:10-15-09 AC

CURTIS MCNALLY

1" = 40'-0"

1" = 30'-0"

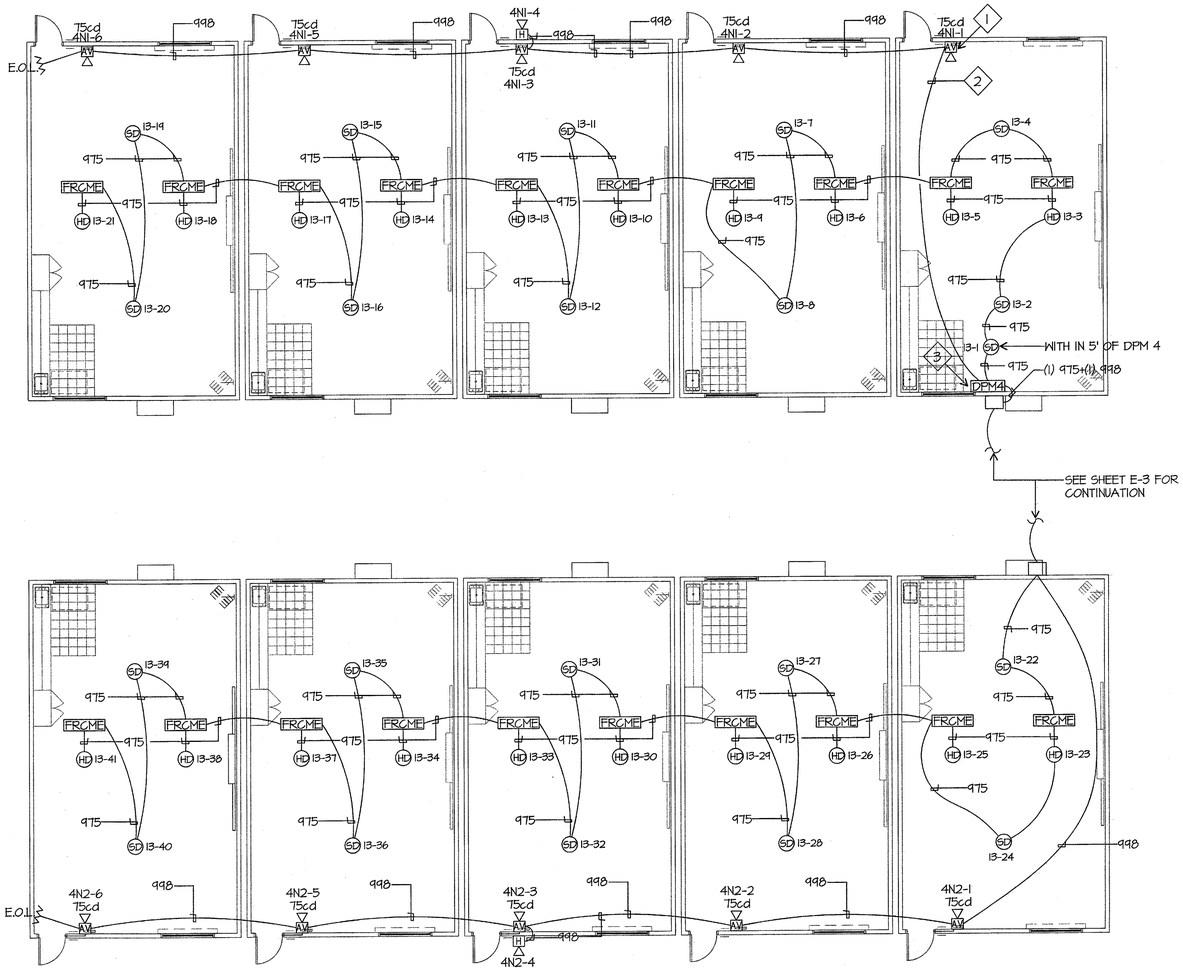
1" = 20'-0"

1/8" = 1'-0"

1/4" = 1'-0"

FIRE ALARM PLAN NOTES

1. FIRE ALARM CABLE SHALL BE INSTALLED IN ¾" CONDUIT IN WALLS, TYPICAL.
2. SUPPORT FIRE ALARM CABLE EVERY 5' VIA J-HOOKS INSTALLED AT LEAST 8" ABOVE CEILING ON PERIMETER WALLS, TYPICAL.
3. PROVIDE 20/1 CIRCUIT BREAKER PER NFPA 72 FOR DPM.



FIRE ALARM PLAN

N

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

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

Sheet Title: FIRE ALARM PLAN

Project Name & Address:
MUNSEY ELEMENTARY SCHOOL
10 NEW PORTABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

Issue Date:	Designer:	DR:	PC:
Date: 05/02/06	DESIGNER	DRAFTER	CJM

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Job No.: **3832**

Sheet No.: **E-3.1**

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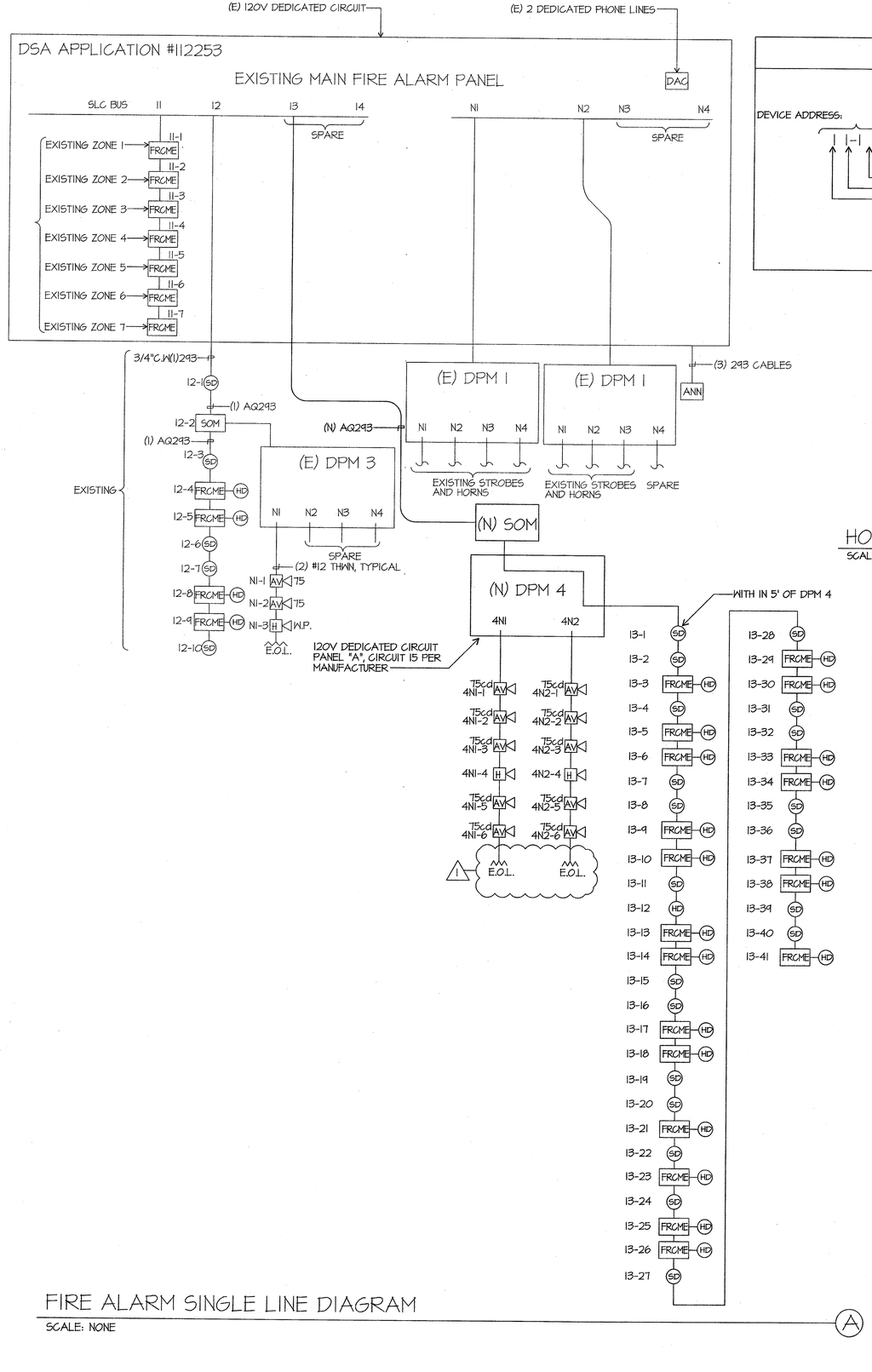
JMPE/JOB#:09082/DATE:06-25-09 AC CURTIS MCNALLY

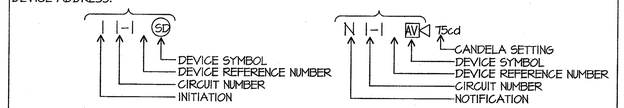


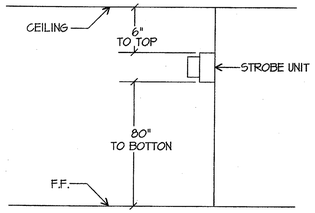
FIRE ALARM SINGLE LINE DIAGRAM

SCALE: NONE

Ⓐ

DEVICE NUMBERING LEGEND





HORN/STROBE MOUNTING DETAIL

SCALE: NONE

Ⓑ

CONTRACTOR SHALL DISCONNECT AND RECONNECT ALL ZONES ASSOCIATED WITH EXISTING BUILDINGS ON CAMPUS AND PROVIDE TESTING FOR POSITIVE REPORTING. PROVIDE FIRE WATCH DURING IMPAIRMENT OF SYSTEM, PER NFPA & CFC (CHAPTER 14 + 9)

FIRE ALARM BATTERY CALCULATION-EXISTING MASTER PANEL FIRENET 2127

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
MASTER PANEL	1		0.1	0.1	0.1	0.1
REMOTE ANNUNCIATOR PANEL	1		0.15	0.15	0.27	0.27
SUPERVISED OUTPUT MODULE	3	1	0.0003	0.0012	0.0003	0.0012
FAST RESPONSE CONTACT MODULE	11	20	0.00055	0.01705	0.008	0.248
DIGITAL ALARM COMMUNICATOR	1		0.02	0.02	0.02	0.02
SMOKE DETECTOR	3	21	0.00039	0.00936	0.00039	0.00936
HEAT DETECTOR	4	20	0.00035	0.0084	0.00035	0.0084
SUB TOTAL AMPERES			0.30601 AMPS		0.65696 AMPS	
			x 24 HOURS		x 0.084 HOURS	
SUB TOTAL AMPERE-HOURS			7.34424	A.H.	0.055185	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					7.399425	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR					x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED					8.87931	A.H.
EXISTING BATTERY CAPACITY					24.00	A.H.

FIRE ALARM BATTERY CALCULATION-NEW DISTRIBUTED POWER MODULE 4

EQUIPMENT DESCRIPTION	QUANTITY		SUPERVISORY CURRENT (AMPERES)		ALARM CURRENT (AMPERES)	
	EXISTING	NEW	EACH	SUB-TOTAL	EACH	SUB-TOTAL
DISTRIBUTED POWER MODULE		1	0.075	0.075	0.175	0.175
AUDIBLE/VISUALS 75 cd		10		0	0.121	1.21
HORN EXTERIOR		2		0	0.062	0.124
	0	0	0	0	0	0
SUB TOTAL AMPERES			0.075 AMPS		1.509 AMPS	
			x 24 HOURS		x 0.084 HOURS	
SUB TOTAL AMPERE-HOURS			1.8	A.H.	0.126756	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE					1.926756	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR					x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED					2.312107	A.H.
PROVIDED BATTERY CAPACITY					7.00	A.H.

FIRE ALARM SYMBOL LIST MATRIX

SYMBOL	DEVICE	MFR & CAT#	REMARKS	CSFM LISTING
DPM	NAC POWER EXTENDER	HOCHIKI FN-642-ULADA		7315-0410:166
SD	SMOKE DETECTOR	HOCHIKI ALG-V	WITH HSB-NSA-6 BASE	7272-0410:149
HD	HEAT DETECTOR	HOCHIKI DFE-190	WITH NS6-100 BASE	7270-0410:119
FRCME	FAST RESPONSE CONTACT MODULE	HOCHIKI DCP-FRCME		7300-0410:150
SOM	SUPERVISED OUTPUT MODULE	HOCHIKI SOM		7300-0410:150
AV	HORN STROBE	WHEELOCK AS24MCW 90dBA		7125-0785:131
H W.P.	HORN	WHEELOCK ASWP 99dBA	EXTERIOR W.P. HORN	7125-0785:131

FIRE ALARM SEQUENCE OF OPERATION

RESPONSE \ INITIATION	AREA SMOKE DETECTOR	AREA THERMAL DETECTOR	AC POWER FAILURE
ANNUNCIATE AT FIRE CONTROL ROOM ALARM AND TROUBLE	YES	YES	YES (TROUBLE)
ANNUNCIATE AT 24 HOUR ATTEND LOCATION ALARM AND TROUBLE	YES	YES	YES (TROUBLE)
ALARM	YES	YES	YES
CENTRAL STATION MONITORING	YES	YES	YES

VOLTAGE DROP CALCULATIONS

CIRCUIT	2x	LENGTH x	AMPS x	RESISTANCE x	= VOLTS	VOLTAGE DROP
4N1	2	150	0.667	0.00205	0.410	1.71 %
4N2	2	170	0.667	0.00205	0.465	1.94 %

JMPE
ELECTRICAL ENGINEERING
LIGHTING DESIGN
CA REGISTRATION NO E13083
09082
5000 MING AVENUE, SUITE 250
BAKERSFIELD, CA 93309
(661) 631-7501
FAX (661) 631-7513
email : mahoney@jmpe.net
www.jmpe.net

REGISTERED PROFESSIONAL ENGINEER JOHN MAHONEY 12-31-09 ELECTRICAL STATE OF CALIFORNIA

JMPE/JOB#:09082/DATE:10-15-09 AC

integrated designs by SOMAM, Inc.
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN • CONSTRUCTION MANAGEMENT
6011 N. Fresno, Suite 130 - Fresno, California 93710
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www.integratedesigns.com

Revision:	Revision Description:	Rev. Date:
	ADDENDUM 1	10/15/09

Issue Date: 05/02/06
Designer: DESIGNER
DR: DRAFTER
PC: CJM

Sheet Title: **FIRE ALARM SINGLE LINE DIAGRAM CALCULATIONS**

Project Name & Address: **MUNSEY ELEMENTARY SCHOOL 10 NEW PORTABLE CLASSROOMS**
BAKERSFIELD CITY SCHOOL DISTRICT
3801 BRAVE AVE. BAKERSFIELD, CA 93309

DSA Indentification Stamp:

Stamp(s):

LICENSED ARCHITECT CURTIS C FLYNN No. C 28966 REN. 5-31-09 STATE OF CALIFORNIA

Job No.: **3832**

Sheet No.: **E-3.2**

Release: ADDENDUM #1
CURTIS MCNALLY

American Modular Systems Inc.

24' x 40' RELOCATABLE BUILDINGS
BAKERSFIELD CITY SCHOOL DISTRICT
(MUNSEY AND FREMONT ELEMENTARY SCHOOL)
EXPOSED STEEL–2:12 PITCHED ROOF

MODULAR STEEL MOMENT FRAME TEST & INSPECTION GUIDELINE

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

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

TESTS and INSPECTIONS			STOCKPILE		CONSTRUCTION OF (diaphragm material-foundation material)			RELOCATION OF CERTIFIED BUILDING	
MATERIAL TYPE		DESCRIPTION	Wood Floor Only	Concrete Floors	Plywood Floor Only - Wood Foundation	Plywood Floor - Concrete Foundation	Concrete Floor - Concrete Foundation	Wood Foundation	Concrete Foundation
COMPACTED FILL (Two Story Relocatable)	By Geotech	Fill Materials				X	X		X
		Proper fill materials, lift thickness, placement and compaction during placement. Continuous				X	X		X
		Compaction test only as ordered				X	X		X
CONCRETE		Mix Design		X			X		
	LT WT FILL OVER DECK (Two-Story)	Waiver of Batch Plant Inspection **See Note 1** for conditions and requirements		X			X		
		Inspect Placing over Steel Deck - by RBIP		X			X		
		Slump Test; determine Temperature of Concrete **See Note 2** for additional test		X			X		
		Compression Tests		X			X		
	FOUNDATION	Mix Design				X	X		X
		Waiver of Batch Plant Inspection **See Note 1** for conditions and requirements				X	X		X
		Inspect Placing - by Project Inspector				X	X		X
		Slump Test; determine Temperature of Concrete **See Note 2** for additional test				X	X		X
		Compression Tests				X	X		X
REINFORCING STEEL		Sample and Test Bar Steel - #5 & Larger				X	X		X
		Inspect Placing at Project Site - by Project Inspector				X	X		X
STRUCTURAL STEEL		Mfr. Certified Mill Test Reports	X	X	X	X	X		
		Shop Fabrication	X	X	X	X	X		
		Inspection of Welds - Shop	X	X	X	X	X		
		Inspection of Welds - Field See **Note 3**			X	X	X	X	X
		Sample and Test all Unidentified Structural Steel and Steel Deck	X	X	X	X	X		
		Examine seam welds of structural tubes and pipes	X	X	X	X	X		
GROUNDING		Electrical grounding			X	X	X	X	X
SHOT PINS		Ceiling wire hangers	X	X	X	X	X		
EXPANSION ANCHORS		See **Note 4**				X	X		X
EPOXY ANCHORS		See **Note 4**				X	X		X
INSPECTOR CLASS (minimum requirements)			RBIP or Class 1		In Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story			Class 4 for Single Story Class 2 for Two-Story	
SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY			By the Owner and approved by DSA, A/E of Record and Structural Engineer		By the School District and approved by DSA, A/E of Record and Structural Engineer				
COST OF THE PROJECT INSPECTOR (CA Admin Code 4-333(b) AND TESTING AGENCY (CA Admin Code 4-338)			By the Owner		By the School District				
COPIES OF THE REPORT TO:			DSA (Original) I.O.R./ P.I Manufacturer And/ISE noted on DSA-1		Architect School District I.O.R./ P.I		Structural Engineer DSA (Original) Manufacturer		

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

Note 1:
Verify that Either Condition a or b are met:
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
Requirements c thru f are met:
c) Inspector to check first batching at start of work and furnish mix proportions to licensed weighmaster
d) Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket
e) Tickets transmitted to Inspector of Record
f) Submit Weighmaster Affidavit

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

BUILDING DATA

OCCUPANCY	E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300.
TYPE OF CONSTRUCTION	VB
WIND LOAD	V= 85 MPH K_{zt} = 1.00 EXPOSURE = C λ = 1.21 I = 1.00
FLOOR LIVE LOAD	50 LBS.SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
FIRE SPRINKLER SYSTEM WEIGHT (PSF)	1.5
ALLOWABLE SOIL PRESSURE (PSF)	1,500 FOR CONCRETE
FLOOD HAZARD AREA	NO
BUILDING AREA	960 MIN SQ FT
CLIMATE ZONES	1–16
MODULES	MOMENT–RESISTANT
SYSTEM	12' x 40' MODULES
FOUNDATION TYPE	CONCRETE / WOOD
SEISMIC	S_s = 1.5 S_{D1} = – C_s = 0.2857 S_1 = <.75 I = 1.00 T = 0.190 F_a = – R = 3.50 Site Class = D F_v = – Ω_o = 3.00 Seismic design category = D S_{DS} = 1.000 C_d = 3.000

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008
2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1–3 AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1–2004)
2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
(2006 INTERNATIONAL EXISTING BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R. (PENDING ADOPTION)
2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	Automatic Sprinkler Systems	2002 Edition
NFPA 14	Standpipe Systems	2003 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2002 Edition
NFPA 17a	Wet Chemical Systems	2002 Edition
NFPA 20	Stationary Pumps	2003 Edition
NFPA 24	Private Fire Mains	2002 Edition
NFPA 72	National Fire Alarm Code (California Amended) (Note See UL, Standard 1971 for "Visual Devices")	2002 Edition
NFPA 253	Critical Radiant Flux of Floor Covering Systems	2006 Edition
NFPA 2001	Clean Agent Fire Extinguishing Systems	2004 Edition
ASME 17.1	Elevator Standard	2004 Edition

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

GENERAL NOTES

1. PC BUILDING CLASSIFED 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 EXITING 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

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

BASED ON PC 02–109695

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOL DISTRICT
MUNSEY AND FREMONT ELEMENTARY SCHOOL

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

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

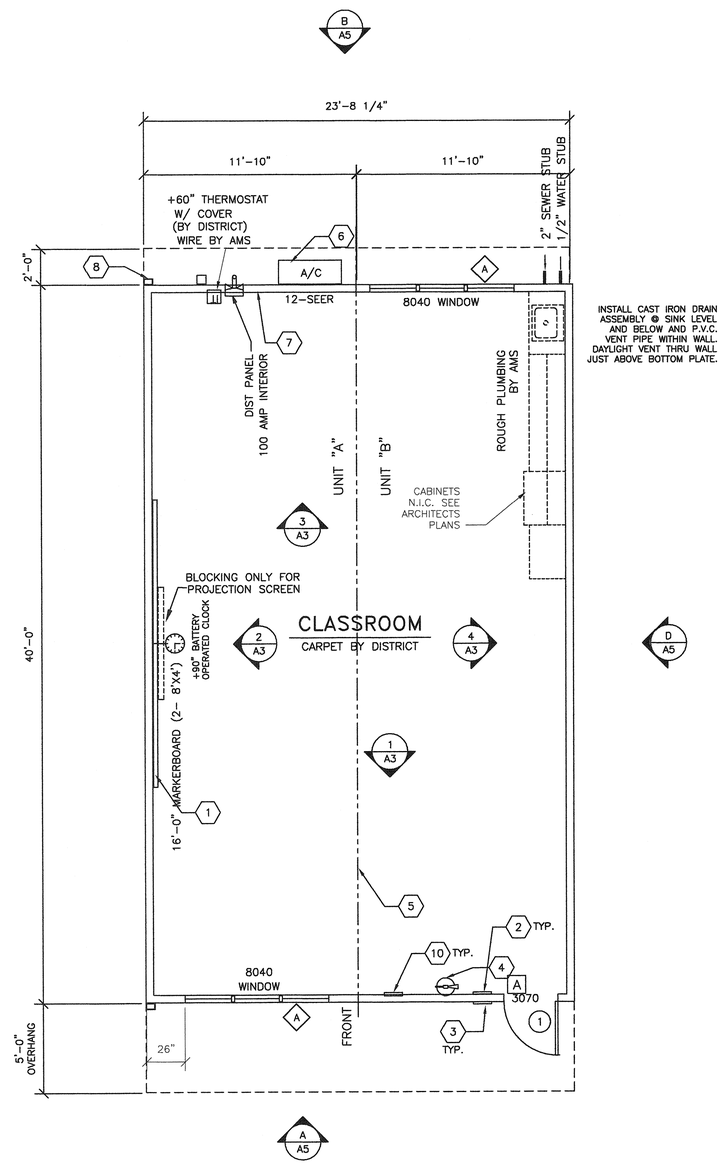
APPROVALS:

LICENSED ARCHITECT RAMON A. SANTOS No. C12631 Ren. 3.31.11 STATE OF CALIFORNIA

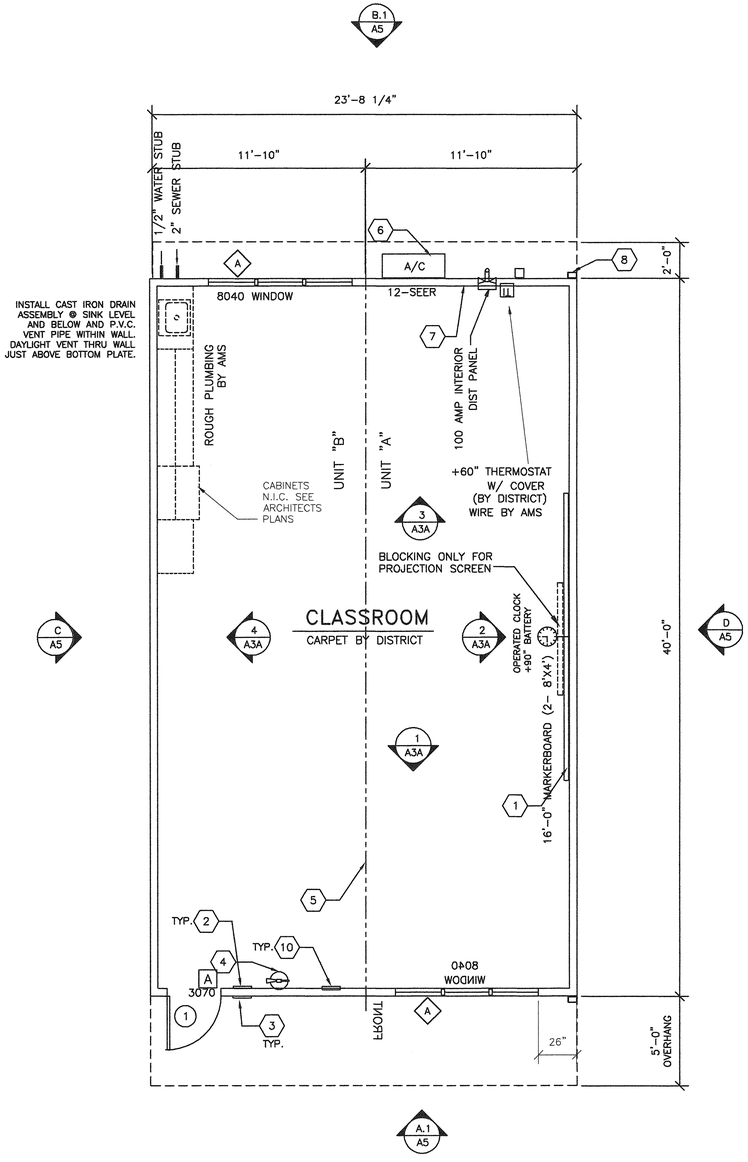
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112985
AC. FLS. SS
DATE SEP 2 4 2009

PROJECT No.

T-S



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



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

- SHEET NOTES -

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

- GENERAL NOTES -

1. REFER TO SHEETS A2 & A2.1 FOR ADDITIONAL FLOOR PLAN CONFIGURATIONS
2. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET 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 2007 CBC SECTION 1603A3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POST WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

- BUILDING SIZE SCHEDULE -

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

SYMBOL SCHEDULE

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

DOOR HARDWARE SCHEDULE

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

Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design
C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal. (5 lbs. max. pressure) (15 lbs. max at fire doors.)
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

BASED ON PC 02-109695

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD UNIFIED SCHOOL DISTRICT
MUNSEY AND FREMONT ELEMENTARY SCHOOL

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

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

APPROVALS:

LICENSED ARCHITECT KENDALL CHRISTOPHER CHAMBERLAIN No. C12631 Ren. 8-31-11 STATE OF CALIFORNIA

IDENTIFICATION STAMP
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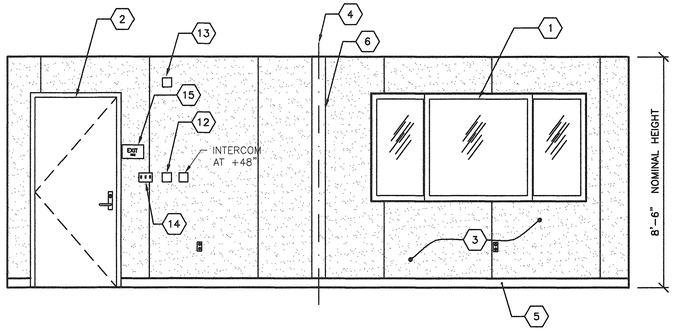
AC. FLS. SS
DATE SEP 24 2009

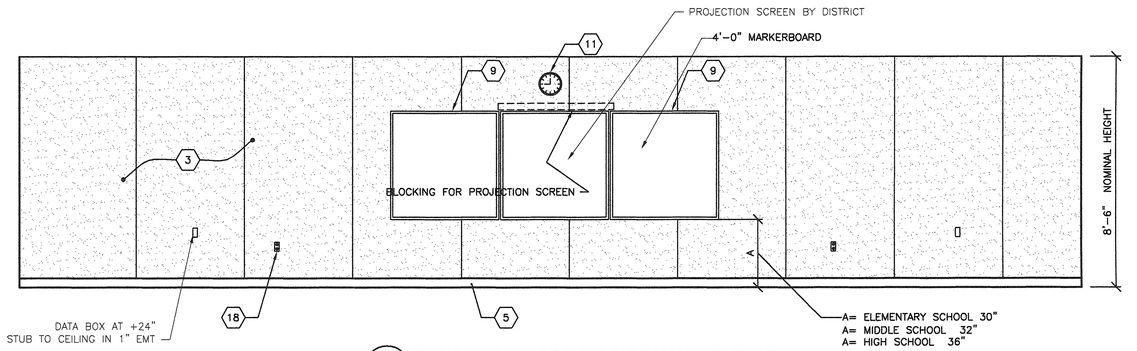
PROJECT No.

A1



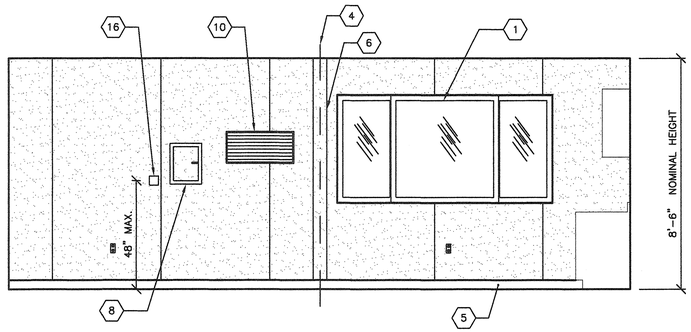
1 / A3 TYPICAL CLASSROOM FRONT END WALL ELEVATION

3/8"=1'-0"



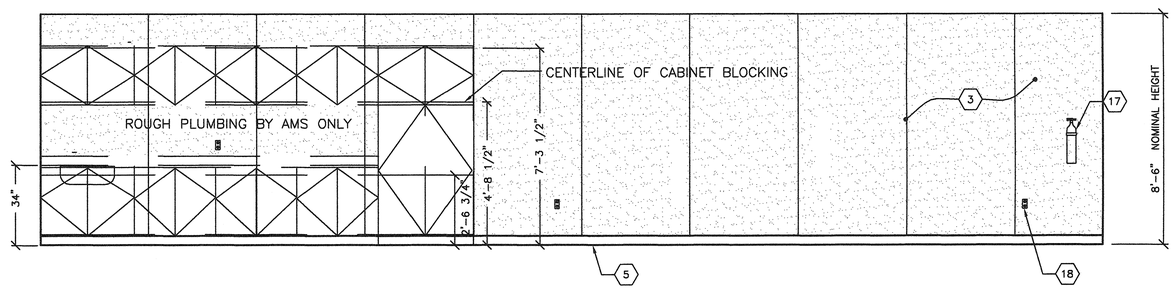
2 / A3 TYPICAL CLASSROOM SIDE WALL ELEVATION

3/8"=1'-0"



3 / A3 TYPICAL CLASSROOM REAR END WALL ELEVATION

3/8"=1'-0"



4 / A3 TYPICAL CLASSROOM SIDE WALL ELEVATION

3/8"=1'-0"

- KEY NOTES -

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

ROOM FINISHES SCHEDULE

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

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

DOOR SCHEDULE

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

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL FRAME. 16 ga. FULLY WELDED
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD

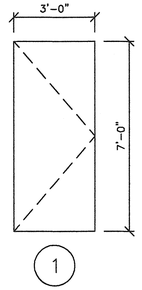
*CLASSROOMS > 1000 S.F WILL RE'Q PANIC HARDWARE PER CBC 1008.1.9

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

WINDOW SCHEDULE

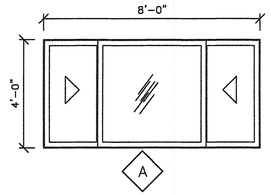
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE	U-FACTOR	SHGC
1	2	SLIDER	8'-0"	4'-0"	BRONZE	SOLAR GRAY	0.780	0.430

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



5 / A3 DOOR AND DOOR FRAME TYPES

3/8"=1'-0"



6 / A3 WINDOW TYPES

3/8"=1'-0"

BASED ON PC# 02-109695

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
MUNSEY AND FREMONT ELEMENTARY SCHOOL

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

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

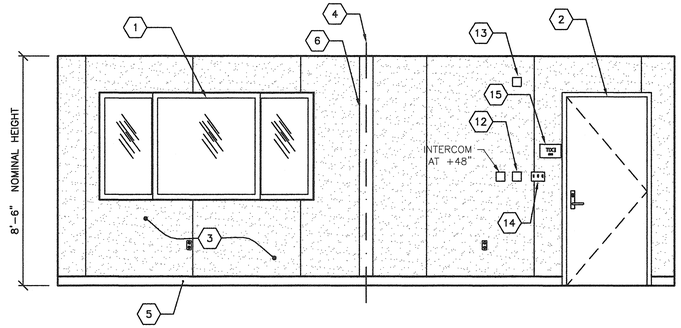
APPROVALS:

REGISTERED ARCHITECT No. C12631 Ren. 8-31-11 STATE OF CALIFORNIA

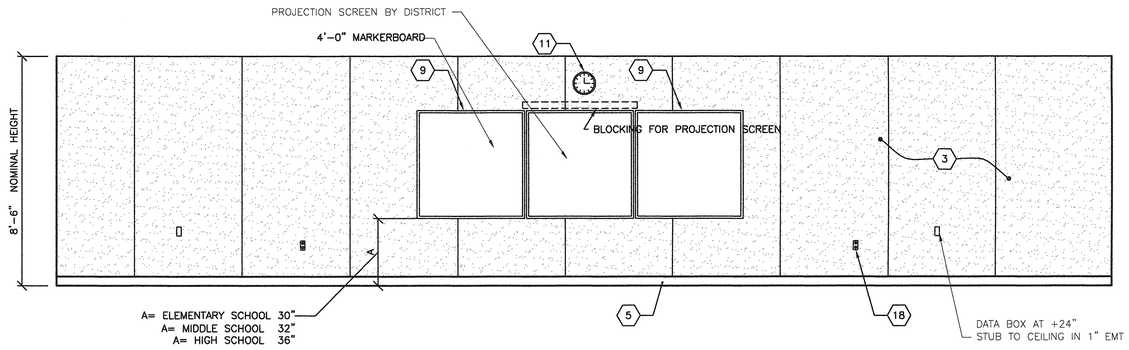
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112985
AC. FLS SS
DATE SEP 2 4 2009

PROJECT No.

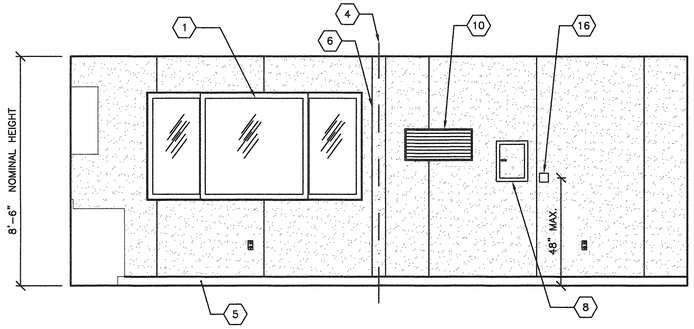
A3



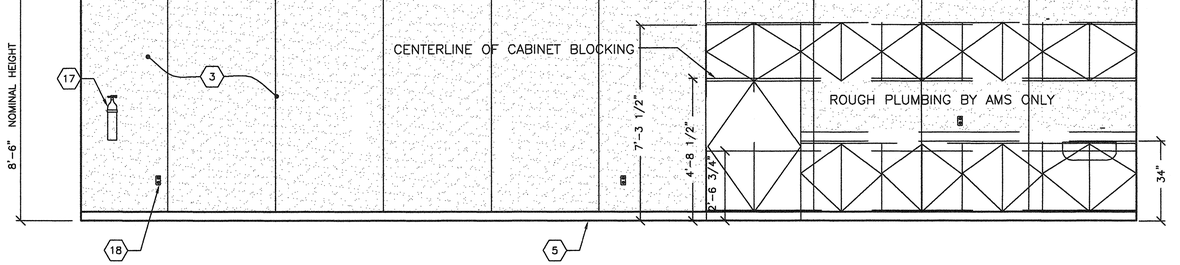
1 / A3A TYPICAL CLASSROOM FRONT END WALL ELEVATION
3/8"=1'-0"



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



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



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

BASED ON PC# 02-109695

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
MUNSEY AND FREMONT ELEMENTARY SCHOOL

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

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787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
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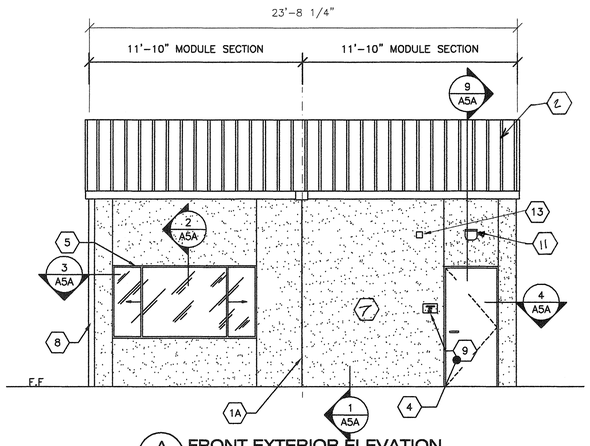
APPROVALS:

LICENSED ARCHITECT RANDOLPH SCOTT RAMSEY No. C12631 Ren. 8-31-11 STATE OF CALIFORNIA

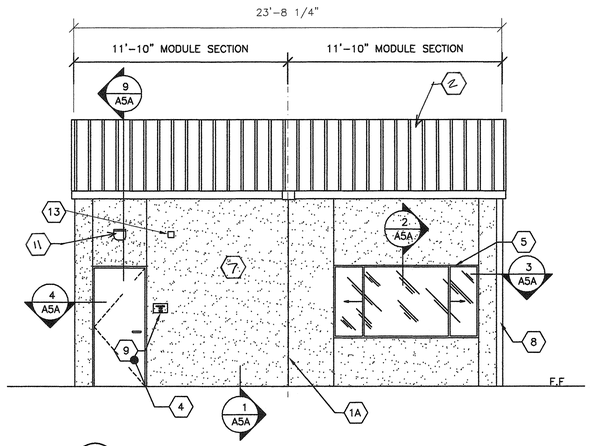
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112985
AC. 4 FLS. SS. 3X
DATE SEP 24 2009

PROJECT No.

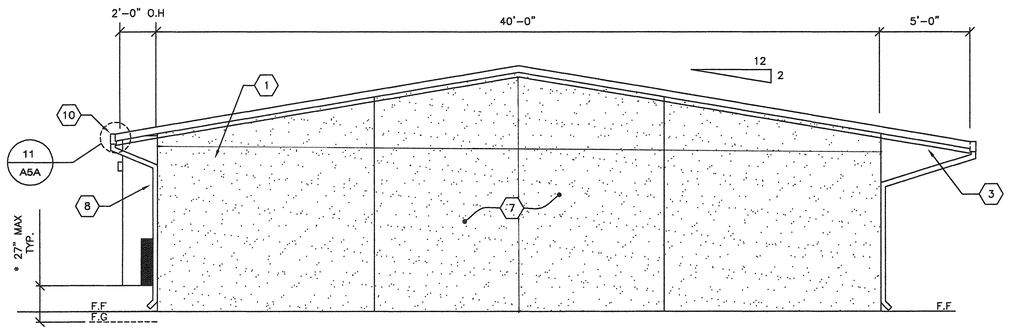
A3A



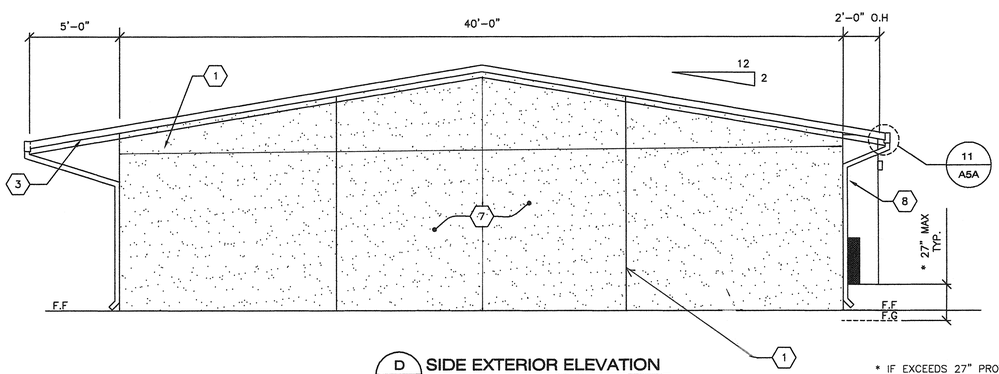
A A5 FRONT EXTERIOR ELEVATION 1/4"=1'-0"



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

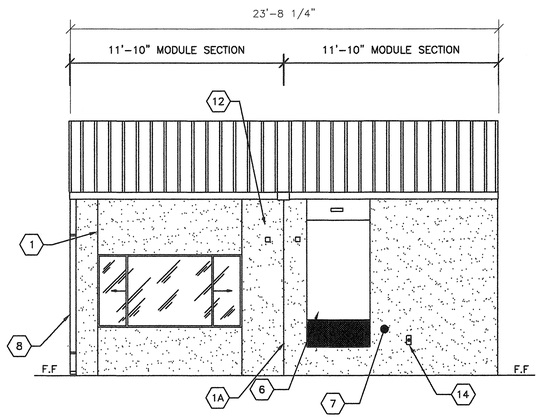


C A5 SIDE EXTERIOR ELEVATION 1/4"=1'-0"

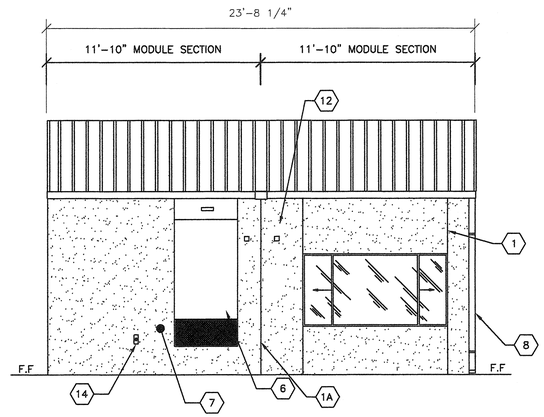


D A5 SIDE EXTERIOR ELEVATION 1/4"=1'-0"

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



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



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

- SHEET NOTES -

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

R FOR RAMP DETAILS REFER TO SHEET S6R

BASED PC 02-109695

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD SCHOOL DISTRICT
MUNSEY ELEMENTARY SCHOOL

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

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

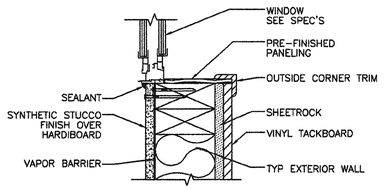
APPROVALS:

LICENSED ARCHITECT No. C12631 Ren. 8-31-11 STATE OF CALIFORNIA

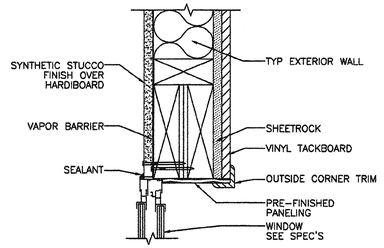
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112985
AC. FLS SS
DATE SEP 24 2009

PROJECT No.

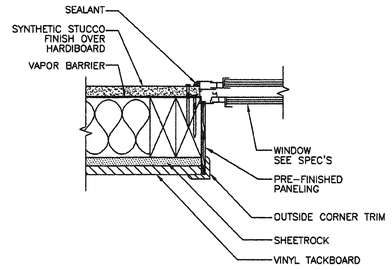
A5



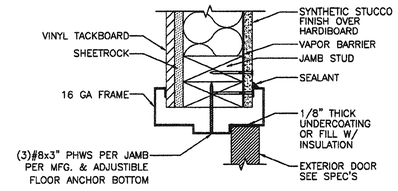
1 A5A — **TYP WINDOW SILL DETAIL**
3"=1'-0"



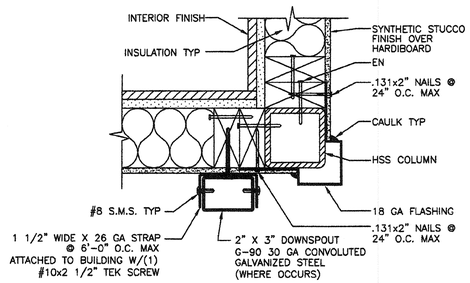
2 A5A — **TYP WINDOW HEADER DETAIL**
3"=1'-0"



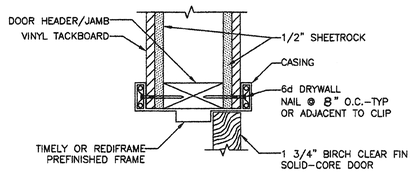
3 A5A — **TYP WINDOW JAMB DETAIL**
3"=1'-0"



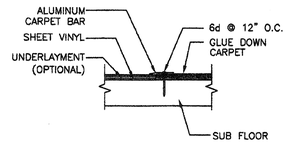
4 A5A — **TYP DOOR JAMB DETAIL**
3"=1'-0"



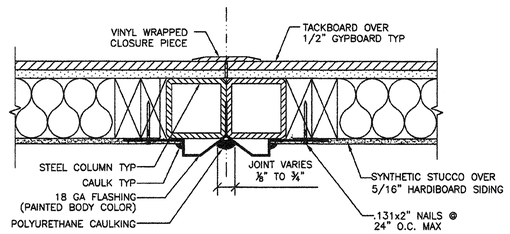
5 A5A — **DOWSPOUT ATTACHMENT DETAIL**
3"=1'-0"



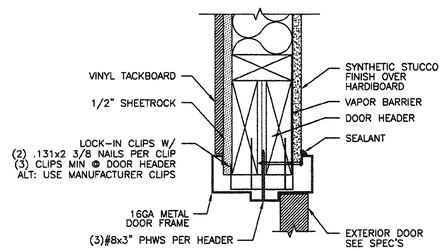
6 A5A — **TYP INTERIOR DOOR HEADER DETAIL**
3"=1'-0"



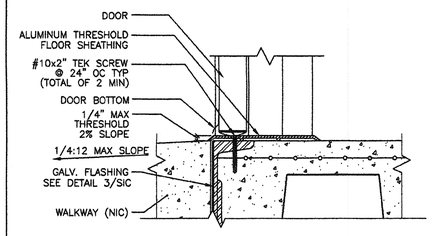
7 A5A — **FLOORING DETAIL**
3"=1'-0"



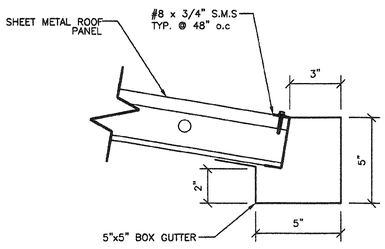
8 A5A — **TYP MODLINE CLOSURE DETAIL**
3"=1'-0"



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



10 A5A — **THRESHOLD DETAIL**
1 1/2"=1'-0"



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
05-112985
AC ELS SSC
DATE SEP 24 2009

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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

APPROVALS:

REGISTERED ARCHITECT
No. C12631
Ren. 2-31-09
STATE OF CALIFORNIA

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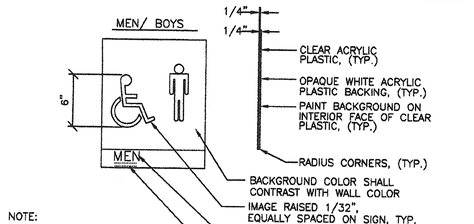
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
AC FLS RL SSC
DATE 3/23/09

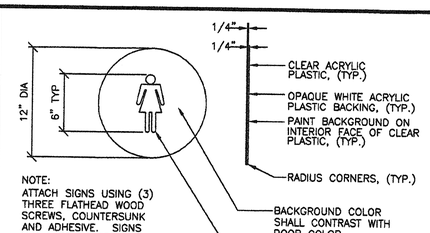
PROJECT No.

A5A



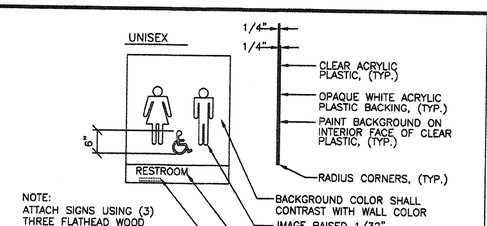
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE, SIGNS SHALL BE MTD 60" ABOVE FIN. FLR. ON THE LATCH SIDE, TYP.

1 AD — WALL MTD RESTROOM SYMBOL
N.T.S.



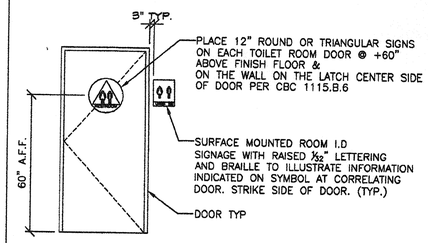
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE. SIGNS SHALL BE CENTERED ON THE DOOR AND MOUNTED 60" ABOVE FIN. FLR. (TYP.) REF SIGNAGE SCHEDULE FOR LOCATION OF SIGN

2 AD — WOMEN'S RESTROOM SIGNAGE
N.T.S.

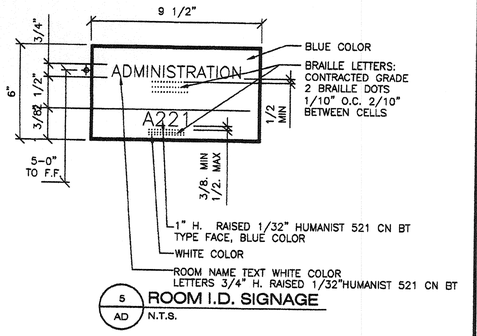


NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE, SIGNS SHALL BE MTD 60" ABOVE FIN. FLR. ON THE LATCH SIDE, TYP.

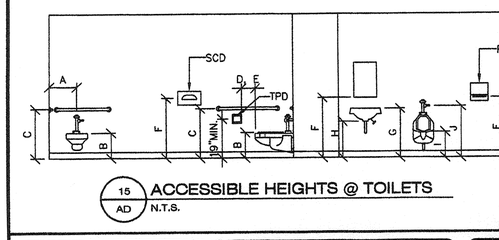
3 AD — WALL MTD RESTROOM SYMBOL
N.T.S.



4 AD — ROOM IDENTIFICATION SIGNAGE
N.T.S.

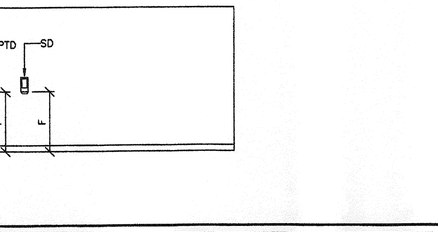


5 AD — ROOM I.D. SIGNAGE
N.T.S.



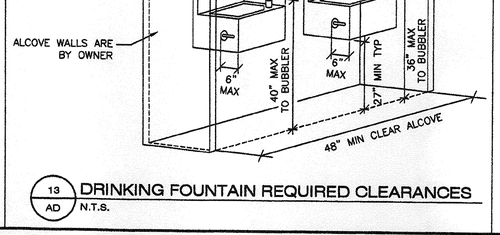
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE, SIGNS SHALL BE MTD 60" ABOVE FIN. FLR. ON THE LATCH SIDE, TYP.

6 AD — WALL MTD RESTROOM SYMBOL
N.T.S.



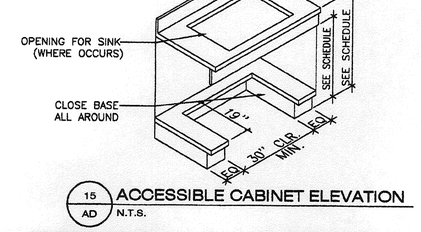
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE. SIGNS SHALL BE CENTERED ON THE DOOR AND MOUNTED 60" ABOVE FIN. FLR. (TYP.) REF SIGNAGE SCHEDULE FOR LOCATION OF SIGN

7 AD — MEN'S RESTROOM SIGNAGE
N.T.S.



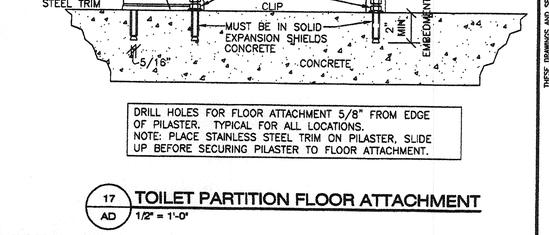
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE. SIGNS SHALL BE CENTERED ON THE DOOR AND MOUNTED 60" ABOVE FIN. FLR. (TYP.) REF SIGNAGE SCHEDULE FOR LOCATION OF SIGN

8 AD — UNISEX RESTROOM SIGNAGE
N.T.S.



NOTE: PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. PROVIDE ADHESIVE MOUNTING SYSTEM WHEN ATTACHED TO GLAZING.

9 AD — INTERNATIONAL SIGN OF ACCESSIBILITY
N.T.S.



10 AD — TACTILE SIGNAGE
N.T.S.

DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES

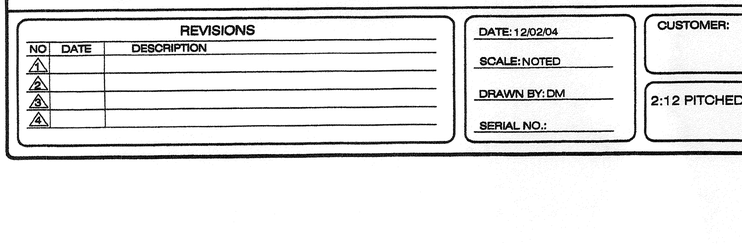
	FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION	REMARKS
A	TOILET CENTERLINE FROM WALL	18"	15"	12"	FLUSH VALVE TO WIDE SIDE OF STALL TYP
B	TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"–19"	15"	10"–12"	
C	GRAB BAR HEIGHT	33"	27"	20–22" ABOVE SEAT *	36" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP) (ALLOWED @ 36" A.F.F @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
D	TOILET PAPER DEPENSER 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
PTD = PAPER TOWEL DISPENSER
SD = SOAP DISPENSER
TPD = TOILET PAPER DISPENSER
SND = SANITARY NAPKIN DISPOSAL (WHERE APPLICABLE)
(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

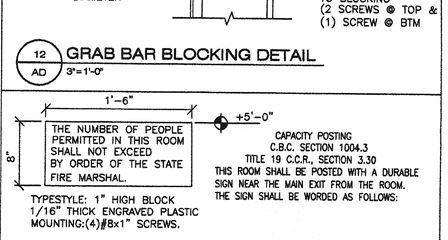


15 AD — ACCESSIBLE HEIGHTS @ TOILETS
N.T.S.

11 AD — CABINET BLOCKING DETAIL
1/2"=1'-0"

NOTE:
ALL DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS AND SHALL COMPLY WITH SECTION 11188.4 ITEM 2.

13 AD — DRINKING FOUNTAIN REQUIRED CLEARANCES
N.T.S.

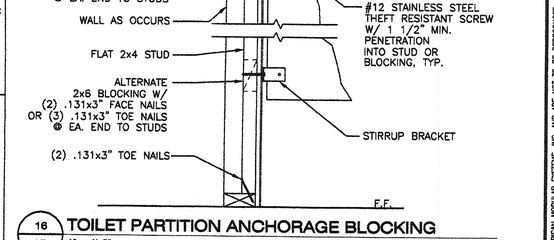


12 AD — GRAB BAR BLOCKING DETAIL
3"=1'-0"

14 AD — OCCUPANT LOAD SIGN
NTS

NOTES:
- MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.
- ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.
- DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.

15 AD — ACCESSIBLE CABINET ELEVATION
N.T.S.



16 AD — TOILET PARTITION ANCHORAGE BLOCKING
1" = 1'-0"

DRILL HOLES FOR FLOOR ATTACHMENT 5/8" FROM EDGE OF PILASTER. TYPICAL FOR ALL LOCATIONS.
NOTE: PLACE STAINLESS STEEL TRIM ON PILASTER, SLIDE UP BEFORE SECURING PILASTER TO FLOOR ATTACHMENT.

17 AD — TOILET PARTITION FLOOR ATTACHMENT
1/2" = 1'-0"

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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

APPROVALS:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
63 112985
AC FLS SS
DATE SEP 24 2004

REGISTERED ARCHITECT No. C12631 Ren. 8-31-04 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 02-109695
AC FLS SS
DATE 3/23/2005

PROJECT No.
PC

AD

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.
 5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
 6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
 7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
 8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
 10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
 13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
 FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALY RECOGNIZED TESTING LABORATORY.

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,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

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 MANUFACTURES CERTIFICATIONS.
 1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36
 2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
 3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
 4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
C. ERECTION – STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
D. NAILS,BOLTS, SCREWS AND NUTS ETC.– FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
 1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO 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 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION.
EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
A. JOISTS, PLATES, STUDS-DOUGLAS FIR OR HEM FIR #2 OR BETTER U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. H.F. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1
C. BLOCKING – DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR OR HEM FIR #2 OR BETTER PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.11.2 EACH PIECE SHALL BEAR AWPB STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F.OR H.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.
F. STUDS – S4S DOUG FIR #2. OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
G. FASTENERS –NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.9.1.1 COMMON NAILS FOR EXT. SIDING & FNDN. ONLY.
H. BUILDING TRIM – 2X RESAWN SELECT D.F.,H.F.,OR CEDAR
J. DOOR/WINDOW TRIM – 1X4 RESAWN D.F.,H.F.,OR CEDAR.
K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
M. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 717
N. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
O. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
3. WORKMANSHIP
A. FRAMING – SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING – IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.9.1
C. EXTERIOR WALLS – FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.
E. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
F. MOISTURE BARRIER – APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL
JOINTS LAPPED MIN 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 PARTSARD BRAND LEAD AND TIN ASTM B32.
 C. FLUX – ZINC SATURATED MURIATIC ACID.
 D. GUTTERS: 26 GA. G-90 GALV. STEEL.
 DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
 GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
 GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 85 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
 A. ROOFING – 1 1/4" INCH STANDING SEAM MIN 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
 B. ALTERNATE: ROOFING – 3 INCH STANDING SEAM MIN 20-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
 C. ROOFING: CLASS B FIRE RATING

SECTION 7J SEALANT

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

SECTION 8 CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-05
2. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE A FOLLOW:
SLABS ON GRADE & FOUNDATIONS 2500 PSI (150 PCF)
CONCRETE OVER METAL DECK 3000 PSI (110 PCF) OR (150 PCF)
3. REINFORCING SHALL CONFORM TO ASTM A615--GRADE 40 UON.
4. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UON ON DRAWINGS:
CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS) ......3"
CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS.................................2"
SLABS (ON GROUND)..POSITION IN CENTER OF SLAB
5. ALL BARS SHALL HAVE A CLASS B MINUMUM SPLICE LAP UON.
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 PER 2508.1 PROVIDE 2 LAYERS OF GRADE D PAPER PER CBC SECTION 2510.6

2510.6 WATER-RESISTIVE BARRIERS. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION 1404.2 AND, WHERE APPLIED OVER WOOD-BASED SHEATING, 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 SHEATING 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 TO THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
C. THE FINISH COATS SHALL BE APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926 THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
 A. DOORS – INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN,REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
 B. FRAMES – 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,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-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

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

C. FOR METAL

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

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
A. EXTERIOR – WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX – APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM – TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS – TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL – ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
E. RAMP – ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQUAL.
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

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

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M3 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
A. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYTEM AND NOTIFICATION PER NFPA 72
2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
A. ELECTRIC METALLIC TUBING – COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX– GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS – FLUSH MOUNTED.
C. CONDUCTORS – COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE– #14.
D. RECEPTACLES – AS NOTED. +18" A.F.F. MIN.
E. CLOCK RECEPTACLE – AS NOTED.
F. SWITCHES – AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES – AS NOTED ON THE DRAWINGS.
3. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

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

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

COORDINATION OF WORK

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

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

REVISIONS

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

CUSTOMER:

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

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
03- 112985
AC FLS SS
DATE SEP 24 2009

LICENSED ARCHITECT
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3.31.09
STATE OF CALIFORNIA

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OFFICE OF REGULATION SERVICES
PC 02-109695
AC FLS SS
DATE 3/23/2009

PROJECT No.

N1

MATERIALS AND WORKMANSHIP

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

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

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

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

GENERAL DESIGN REQUIREMENTS:

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

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

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

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

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

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

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

MARKERBOARD SPECIFICATIONS

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

NOTE:

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

PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

INTERIOR

1. FLOOR: CARPETS - CLASSROOM SHALL BE CARPETED AS INDICATED ON FLOOR PLAN WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-XXX-01, GROUP 1, TYPE A, CLASS 26. COLOR WILL BE SELECTED BY ARCHITECT AFTER AWARD OF BID. THE CARPET DENSITY SHALL BE 4600 MINIMUM. PILE YARN SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED. PILE HEIGHT 1/2" MAX
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE: PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURED BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD(U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 18 LBS. PER FT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR PLYWOOD SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS III FLAME SPREAD RATING. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH.
4. CEILING: SUSPEND T-BAR SYSTEM, SEE SHEET M2 FOR DETAILS ETC. MATERIALS AND INSTALLATION PER CCR 2501.A.5 AND IR 25-2 INCLUSIVE AS APPLICABLE TO CLASSROOMS.

DOORS & WINDOWS

EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER C5242 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 SHALLE BE 1/4".
SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL
SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OF SILICONE SECONDARY SEAL.
CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY. SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIAL GRADE.

HARDWARE

1. EXTERIOR DOOR
   A) HINGES: HAGER 4-1/2X4-1/2 BUTTS, BB1279 US26D,1-1/2 PAIR EACH DOOR WITH SET SCREW IN BARREL AND BALL BEARING DESIGN, OR APPROVED EQUAL.
   B) 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 APPROPIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS.
   THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES SHALL BE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
   D) WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA WS007, AT DOOR JAMBS AND HEAD OR EQUAL.
   E) THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
   F) DOORSTOP: QUALITY #44, OR EQUAL.
   D) INTERIOR LOCKSET: SCHLAGE LEVER HANDLE LOCKSET, AS FOLLOWS:

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

FIRE EXTINGUISHER

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

ACCESSIBILITY STANDARDS

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

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PC 02-112985
AC. FLS TH SS
DATE SEP 24 2009

REVISIONS

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DATE: 01/20/09
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:

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

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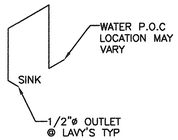
APPROVALS:

REGISTERED PROFESSIONAL ENGINEER
RAYMOND LEE
No. C12631
Ren. 3-31-09
STATE OF CALIFORNIA

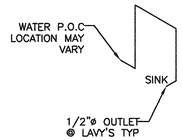
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109695
AC. FLS TH SS
DATE 3/23/2009

PROJECT No.

N2



A / P1 WATER SUPPLY ISOMETRIC
NO SCALE



A.1 / P1 WATER SUPPLY ISOMETRIC
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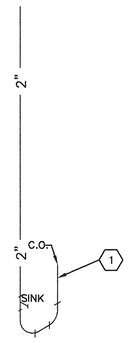

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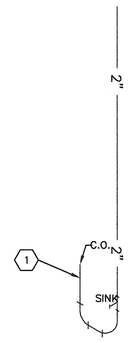
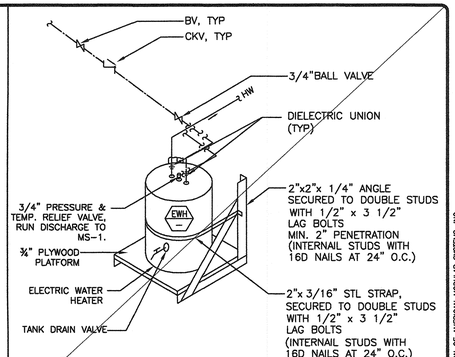
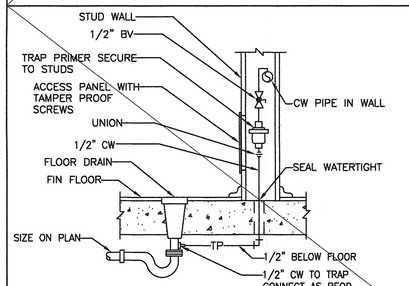
NO SCALE



B.1 / P1 WASTE ISOMETRIC
NO SCALE

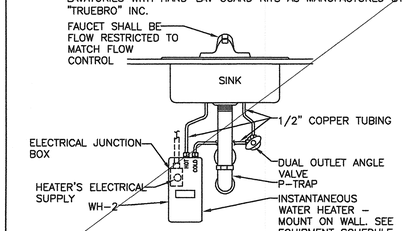


D / P1 WATER HEATER SUPPORT DETAIL
N.T.S



E / P1 TRAP PRIMER DETAIL
N.T.S

NOTE:
INSULATE HOT WATER SUPPLY AND DRAIN PIPING AT ACCESSIBLE LAVATORIES WITH HAND-LAV GUARD KITS AS MANUFACTURED BY "TRUEBRO" INC.



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

SHEET NOTES

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

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
MUNSEY AND FREMONT ELEMENTARY SCHOOL

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

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

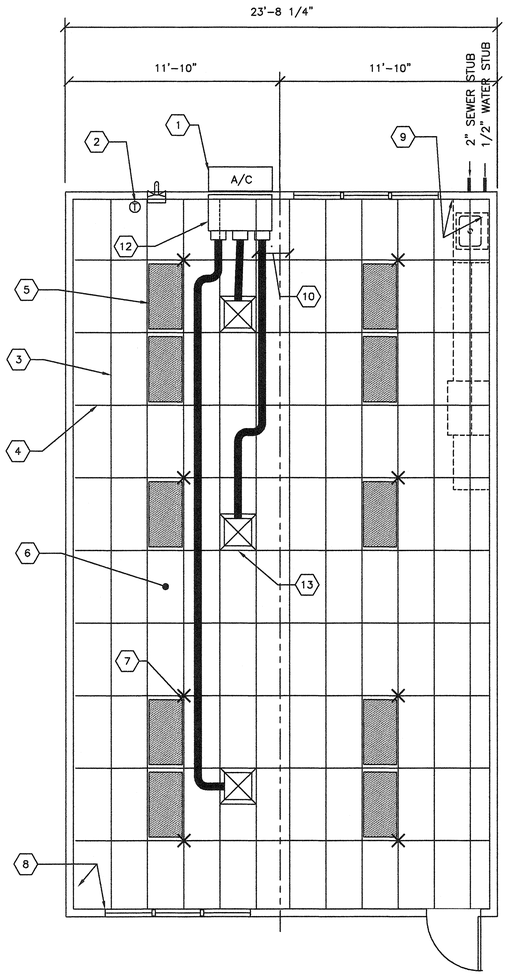
APPROVALS:

LICENSED ARCHITECT
RAMAKANTH PATRICK PANAGA
No. C12631
Ren. 3-31-11
STATE OF CALIFORNIA

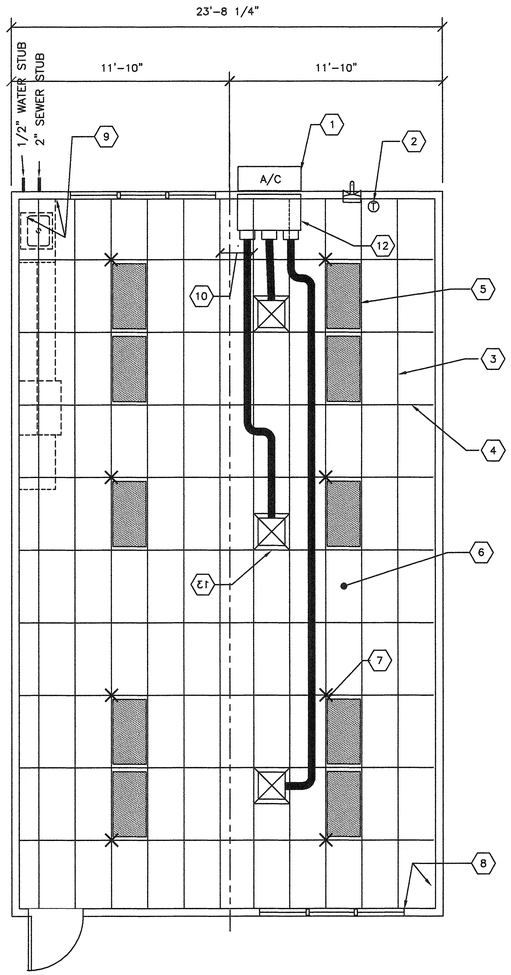
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-112985
AC. FLS. SS
DATE SEP 24 2009

PROJECT No.

P1



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



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

- SHEET NOTES -

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

NOTE:
WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPED WITH DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM

AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DO NOT EXCEEDS 100 FT.
PER CMC 609 EXEPTION #2

BASED ON PC 02-109695

REVISIONS

NO	DATE	DESCRIPTION
1		
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3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
MUNSEY AND FREMONT SCHOOL ELEMENTARY SCHOOL

24' x 40' RELOCATABLE BUILDINGS
TYPICAL REFLECTED CEILING PLAN

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
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LICENSED ARCHITECT
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03 112935
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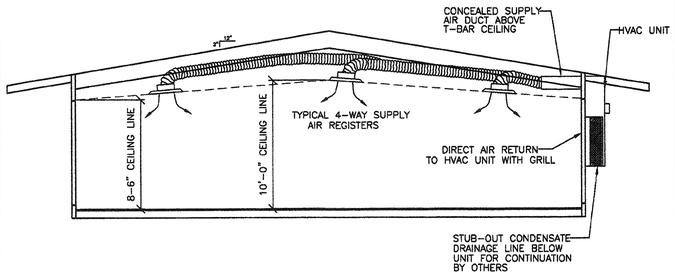
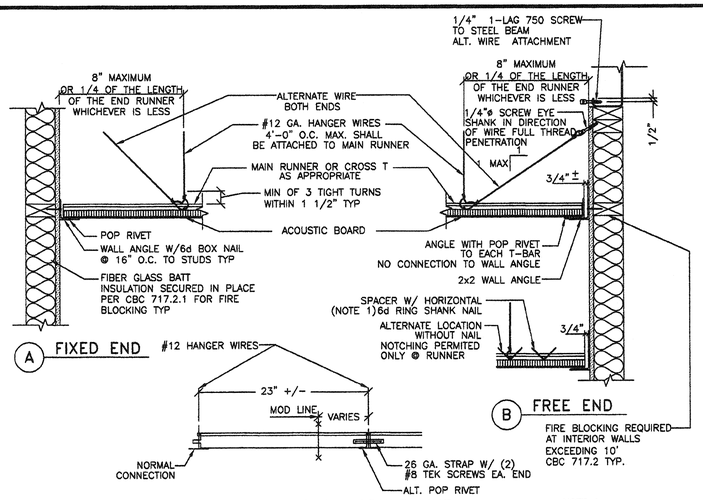
PROJECT No.
PC

M1

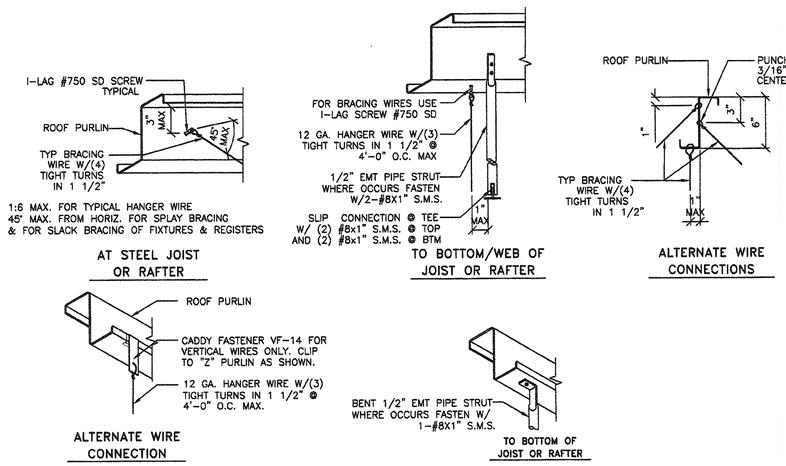


1 M2 **TYPICAL MECHANICAL DETAIL SECTION**
3/16"=1'-0"

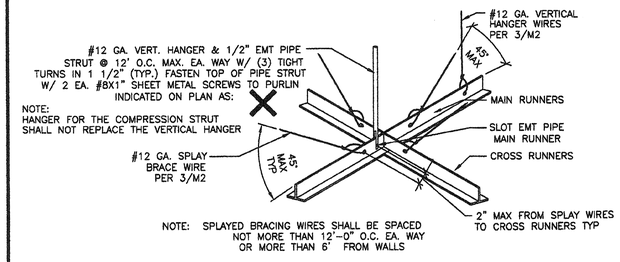


2 M2 **CEILING ATTACHMENTS DETAILS**
1 1/2"=1'-0"

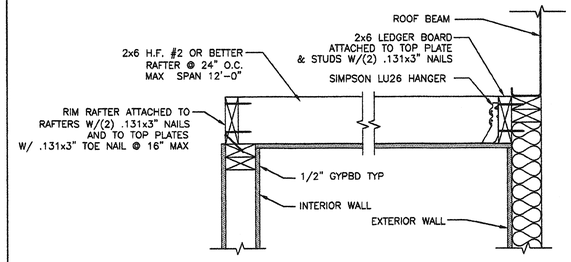
NOTE 1
NAILS AT THE END OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD ℄ OF SPACE OF STRUT



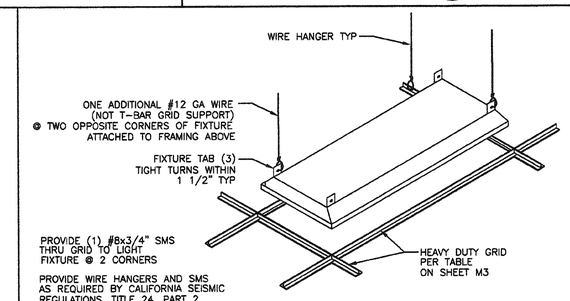
3 M2 **CONNECTION TO PURLINS DETAILS**
1 1/2"=1'-0"



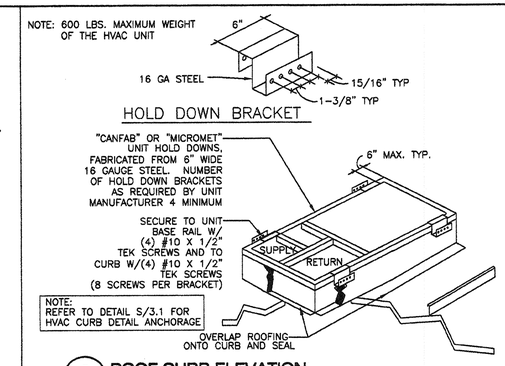
4 M2 **SPLAY WIRE DETAIL**
1 1/2"=1'-0"



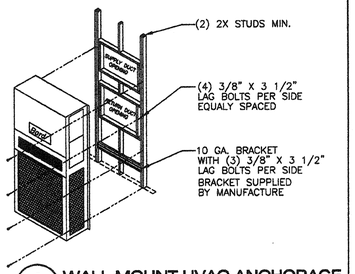
5 M2 **GYPBOARD CEILING DETAIL**
1 1/2"=1'-0"
OPTIONAL



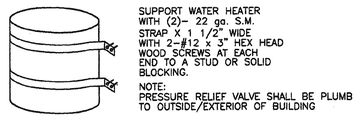
6 M2 **LIGHT FIXTURE ATTACHMENT DETAIL**
3/4"=1'-0"



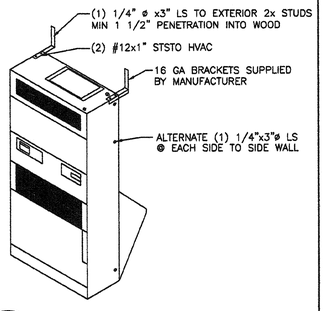
7 M2 **ROOF CURB ELEVATION**
N.T.S.
OPTIONAL



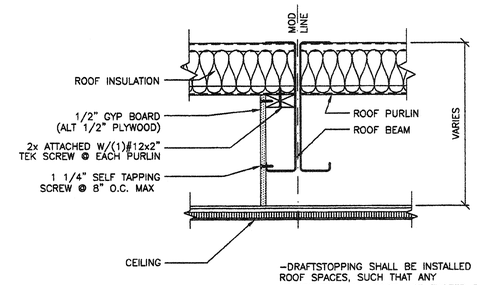
8 M2 **WALL MOUNT HVAC ANCHORAGE**
N.T.S.



9 M2 **WATER HEATER SUPPORT DETAIL**
NTS

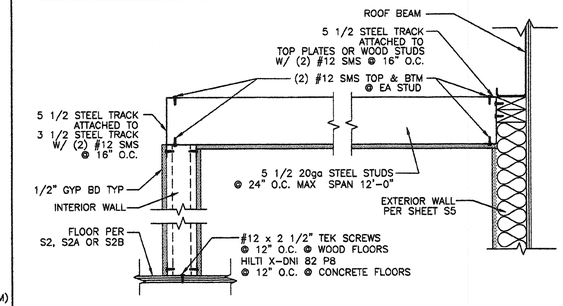


10 M2 **INTERIOR HVAC ANCHORAGE**
N.T.S.



-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
1. IN OTHER THAN HIGH-RISE BUILDINGS, GROUP A,E,H,I AND L OCCUPANCIES AND OTHER APPLICATIONS LISTED IN SECTION 111 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1

11 M2 **DRAFT STOP DETAIL**
1 1/2"=1'-0"



12 M2 **GYPBOARD CEILING DETAIL W/ STEEL STUDS**
1 1/2"=1'-0"
OPTIONAL

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 01/25/08
SCALE: NOTED
DRAWN BY: RL
SERIAL NO.:

CUSTOMER:

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

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com

APPROVALS:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
03 112985
AC. FLS SS
DATE SEP 24 2007

No. C12831 Ren. 3-31-09 REGISTERED LANDSCAPE ARCHITECT STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 02-109695
AC. FLS SS
DATE 3/27/2009

PROJECT No.
PC

M2

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

   THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.
7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.,
9. 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.
10. 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.
11. 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)

1. HEAT PUMP: SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-77.
   REFERENCE BRANDS: BARD WH421-AXXXXXXX
   BARD WH482-AXXXXXXX
   BARD WH602-AXXXXXXX
   MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT
   ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.
   A.) THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER
   B.) THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE THIRD FRESH AIR.
2. DUCTWORK.
   A.) CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.
   B.) NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 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 DUCTTBOARD, 1" THICK, AND MICRO-AIRE, TYPE 475.
   NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
3. AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
4. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAX. 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, CERTAINTEED, OR EQUAL AND 90- B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
5. REGISTERS AND DIFFUSERS: PROVIDE THREE (MIN) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS
6. AIR CONDITIONING CONTROLS.
   THERMOSTAT: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS.
   A.) 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING WITH 4 SEPARATE TIME/TEMPERATURE SETTING FOR 24-HOUR PERIOD.
   B.) KEY BOARD LOCKOUT SWITCH.
   C.) PROGRAMMABLE DISPLAY.
   D.) 2-HOUR OVERRIDE MINIMUM.
   E.) STATUS INDICATED LED'S.
   F.) BATTERY BACK-UP.
   PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODERS IF92-371. MOUNT @ +60" w/COVER (SEALED-SETTING ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.)
   +48" UNSEALED.
7. THERMAL INSULATION
   A.) ROOF INSULATION: R-19 UNFACED.
   B.) WALLS INSULATION: R-13 KRAFT FACED.
   C.) FLOORS INSULATION: CONCRETE FLOOR
   FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 719.
8. FACTORY-MADE AIR DUCTS. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARD NO. 6-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCEWITH U.M.C. STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF UMC STD. 6-1.

   DUCT SUPPORT
   FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAP @ MAX 6'-0" O.C. ATTACH TO RAFTER W/2 #8 SMS @ EACH END.
   SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAPS MIN. 2 PER PLENUM.
   SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
   SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX W/2 #8 SMS.
9. FIREBLOCKING:
   SHALL BE PROVIDED IN THE FOLLOWING LOCATION
10. 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 ½ TON HVAC	4 TON HVAC	5 TON HVAC
24' x 40'	1		
36' x 40'		1	
48' x 40'	2		
60' x 40'		2	
72' x 40'			2
84' x 40'			2
96' x 40'		3	
108' x 40'			3
120' x 40'			3

IDENTIFICATION STAMP
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03-112985
AC FLS SS
DATE SEP 24 2009

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DATE: 12/02/04
SCALE: NOTED
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CUSTOMER:

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

American Modular Systems Inc.
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APPROVALS:

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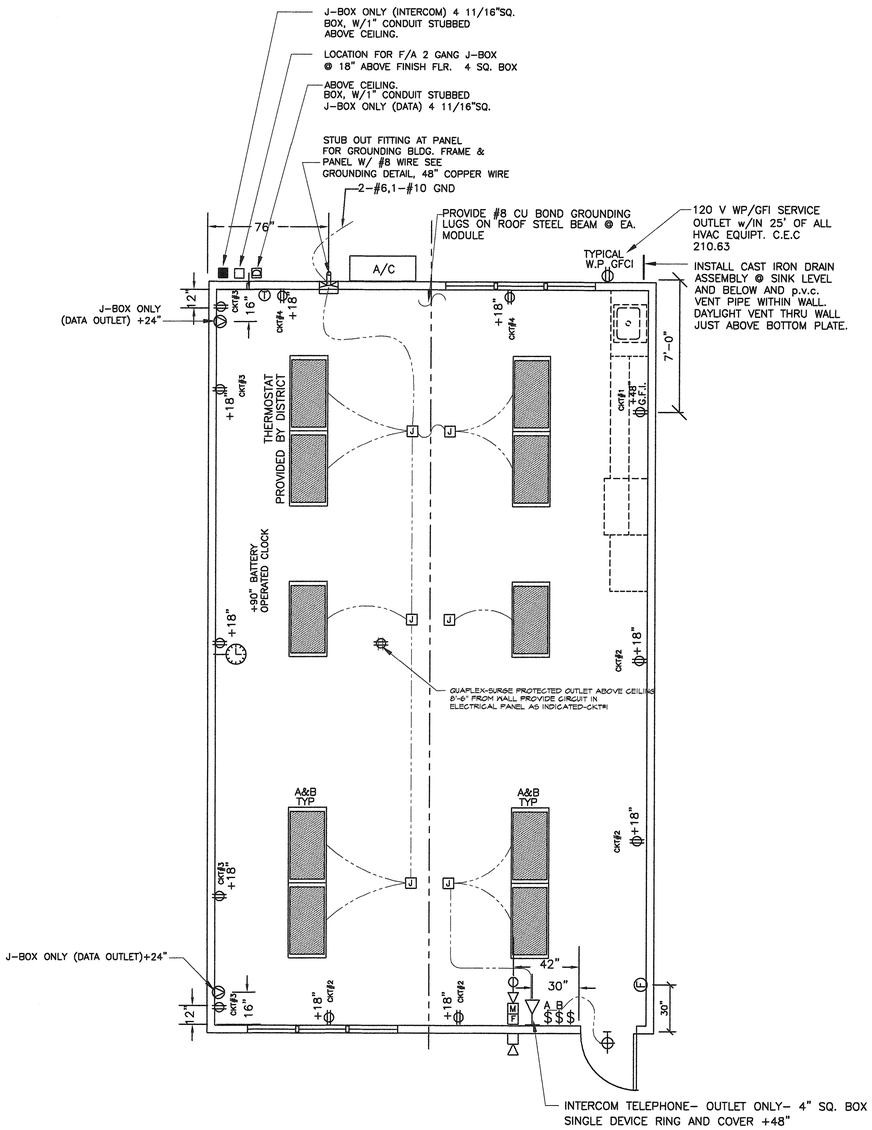
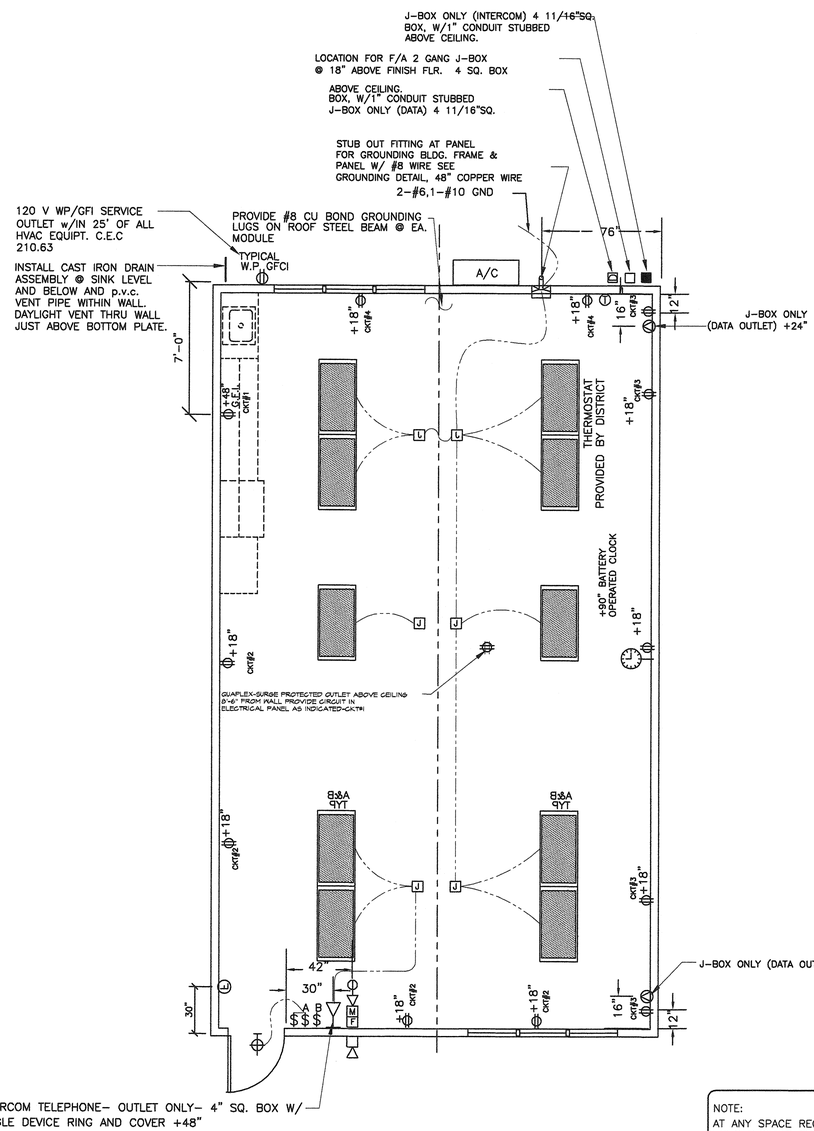
PC 02-109695
AC FLS SS
DATE 3/23/2009

PROJECT No.
PC

M3



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



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

STANDARD ELECTRICAL SYMBOLS

- EXIT LIGHT WHEN THE OCCUPANT LOAD IS 50 OR MORE
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- DUPLEX WALL CONVENIENCE OUTLETS @ +18" TO CENTER LINE ABOVE F.F. AND 12'-0" MAX TYP U
- FOURPLEX WALL OUTLET @ +18" TO CENTER LINE U.O.N..
- W.P.GFCI — WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET
- GFCI — GROUND FAULT CIRCUIT INTERRUPT OUTLET
- $ — SINGLE POLE LIGHT SWITHCES @ +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- J — ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1", #22 4"X2"
- CLOCK/SPEAKER COMBO @ +90"
- SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- J — JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- S — SPEAKER- OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- △ — DATA/COMMUNICATION OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +18" U.O.N. AND A 3/4" CONDUIT STUB CEILING SPACE.
- ▲ — INTERCOM TELEPHONE- OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" U.O.N.
- M — MOTION SENSOR OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUB TO ABOVE CEILING (DEVICES BY OTHERS)
- S — SECURITY/INTRUSSION KEY PAD - OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER @ +48" AND ONE 3/4" CONDUIT STUB ABOVE CEILING
- DC — DOOR CONTACT - PROVIDE (1) EMPTY 1/2"ø EMT THROUGH DOOR HEADER STUB ABOVE CEILING
- CATV △ — CATV OUTLET STUB-UP -PROVIDE (1)4" SQ. BOX W/ SINGLE DEVICE RING AND COVER AND(1) 3/4"ø CONDUIT TO ABOVE CEILING (DEVICES BY OTHER
- F — FIRE ALARM PULL STATION - OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48". (DEVICE N.I.C.)
- FIRE ALARM HORN - OUTLET ONLY - 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER @ +90" MIN (DEVICE N.I.C.)
- FIRE ALARM VISUAL ALARM- OUTLET ONLY - 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
- M — MINI HORN BOX W/ SINGLE DEVICE RING AND COVER @ +80"A.F.F. BUT NO GREATER THAN +96". STUB TO ATTIC
- T — THERMOSTAT @ +60" SEALED, +48" A.F.F UNSEALED
- ULTRASONIC OCCUPANCY SENSOR
- ELECTRICAL PANEL
- EMERG. LIGHTING w/BATTERY BACKUP WHEN THE OCCUPANT LOAD IS 50 OR MORE

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

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

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)32 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT 24GP40HFSA1158YF2 OR LITHONIA 2GT440A12120ESPWS1846LPESCW
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & POSIGRIP STAINLESS STEEL SCREWS. (PROVIDE EMERGENCY BATTERY BACK-UP WHEN THE OCCUPANT LOAD IS 50 OR MORE)	(2) 7W TT 2700 K	ENERTRON 7026B-L OR EQUAL

- GENERAL NOTES -

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

BASED ON PC 02-109695

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 08/13/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
MUNSEY AND FREMONT ELEMENTARY SCHOOL

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

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

APPROVALS:

REGISTERED ARCHITECT KAMRAN PATRICK DINYARI No. C12631 Ren. 3-31-11 STATE OF CALIFORNIA

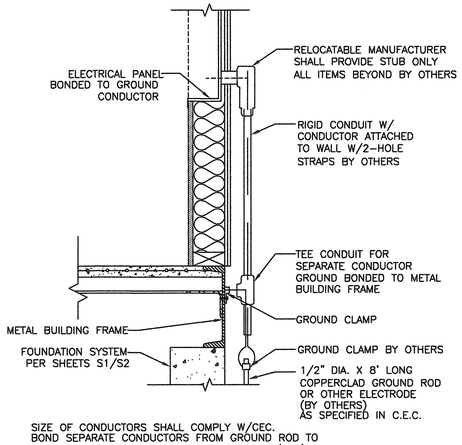
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
05-112985
AC. FLS. SS
DATE SEP 24 2009

PROJECT No

E1

VOLTS: 120/240 SINGLE PHASE			PANEL: A						FEED: EXTERIOR LB			
MAIN: 100 AMP MAIN BKR.			LOCATION: INTERIOR						MOUNTING: FLUSH			
LOAD	WATTS A	WATTS B	BRK. AMP	P	CIR	A	B	CIR	P	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	960		15	1	1			2	2	60	4476		A/C HVAC UNIT
LIGHTS, FLUORESCENT		960	15	1	3			4	2	60		4476	
EXTERIOR LIGHT & CLOCK	100		15	1	5			6					SPACE
DUPLEX RECEPT.		720	15	1	7			8					
DUPLEX RECEPT.	720		15	1	9			10					
SPACE					11			12					
					13			14					
					15			16					
PHASE WATTAGE	1880	1680			17			18			4476	4476	PHASE WATTAGE
TOTAL WATTS "A"LEG: 6556			TOTAL WATTS A+B= 2743								TOTAL WATTS "B" LEG 6156		
TOTAL WATTS: 15455		65 AMPS	120/240V			SINGLE PHASE							100AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.													

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE INDENTIFIED
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 @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1.
INSPECTOR TO WITNESS GROUNDING TEST.

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

BASED ON PC# 02-109695

- GENERAL NOTES -

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE,& CA. FIRE CODE.
2. 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.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. JUCTION BOXES- GALVINIZED 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.
5. COVERS- INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
6. 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.
7. 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 CONTITUTE SHOP DRAWINGS WICH ARE REQUIRED FOR REVIEW AND APPROVAL
8. 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 WICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 7.4.2)
9. 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)
10. 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 UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRAGED 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 TYHE ENFORCING AGENCY PER [CBC].

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

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

ELECTRICAL

1. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
2. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
3. ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING. SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
4. 2X4 FLOURESCENT FIXTURES SHALL BE STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-12, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE .125 INCH.
5. FLOURESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
6. CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
   A) CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
   B) CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH 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.

REVISIONS

NO	DATE	DESCRIPTION
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DATE: 08/12/09
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
BAKERSFIELD CITY SCHOOLS
MUNSEY AND FREMONT ELEMENTARY SCHOOL

24' x 40' RELOCATABLE BUILDINGS
ELECTRICAL NOTES & DETAILS

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

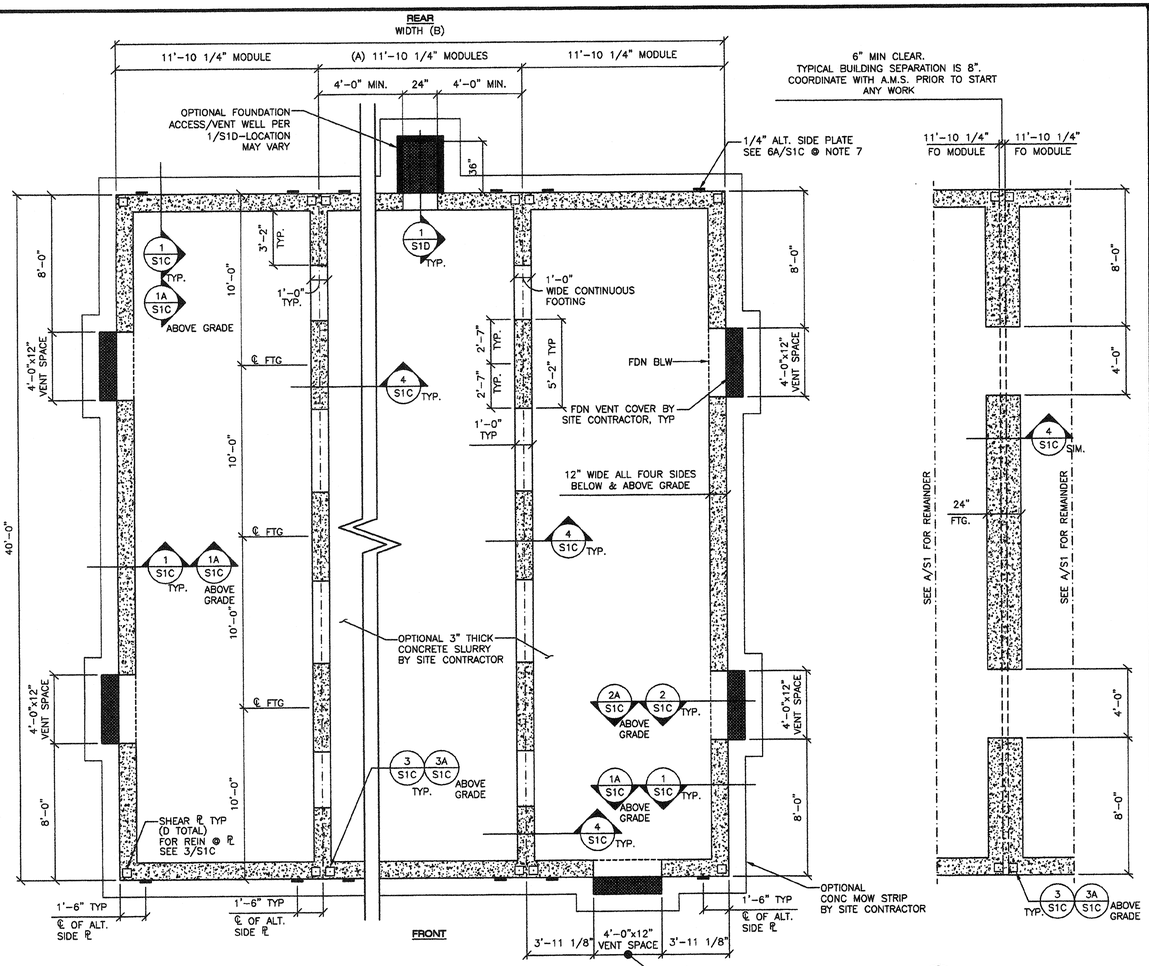
APPROVALS:

REGISTERED ARCHITECT PATRICK SORENSEN No. C12631 Ren. 8-31-11 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03 112985
AC. FLS. SS
DATE SEP 24 2009

PROJECT No.
PC

E2



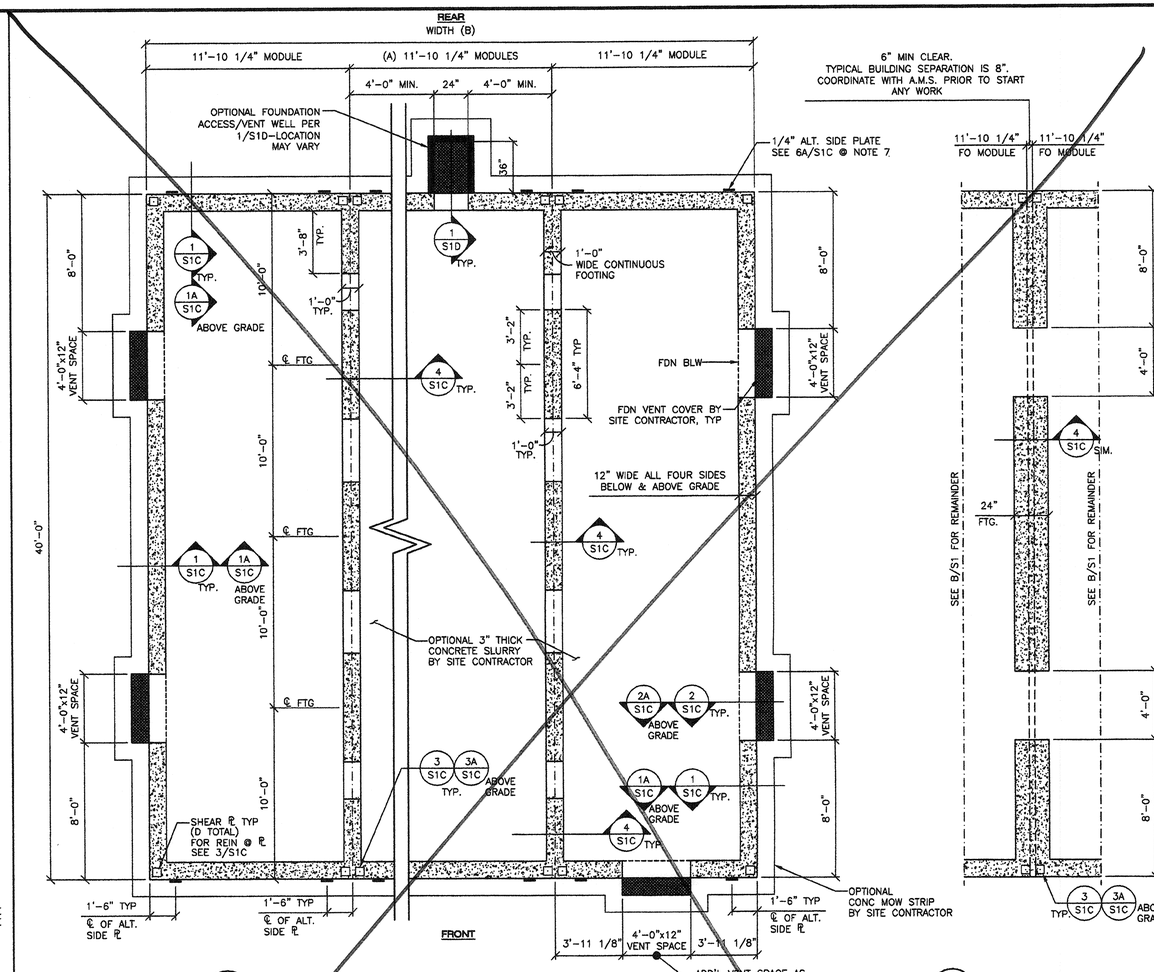
A S1 FOUNDATION PLAN (PLYWOOD OR VIROC FLOOR) 1/4"=1'-0" (50 PSF LIVE LOAD)

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

NOTES:
1. DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
2. ULTIMATE 28-DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 PSI MIN. PROPORTIONED PER TITLE 24, PART 2, SECTION 1905A.3 OR 1905A.4
3. 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
4. REINFORCING STEEL 40,000 PSI MINIMUM, PER ASTM A615
5. MINIMUM SOIL BEARING CAPACITY 1500 PSF.
6. DESIGN SOIL BEARING CAPACITY 1500 PSF.
7. 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.

MODULE SCHEDULE

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH	TOTAL FLOOR AREA (FT^2)	"C" MIN. TOTAL # 4'x12" VENTS REQ'D	VENT AREA REQ'D (FT^2)	VENT AREA PROVIDED (FT^2)	"D" TOTAL # OF TYPICAL SHEAR ℄'s
24x40	2	0	23'-8 ½"	960	4	6.4	16.0	8
~~36x40~~	~~3~~	~~1~~	~~35'-6 ¾'~~	~~1440~~	~~4~~	~~9.6~~	~~16.0~~	~~12~~
~~48x40~~	~~4~~	~~2~~	~~47'-5"~~	~~1920~~	~~4~~	~~12.8~~	~~16.0~~	~~16~~
~~60x40~~	~~5~~	~~3~~	~~59'-3 1/4"~~	~~2400~~	~~4~~	~~16.0~~	~~16.0~~	~~20~~
~~72x40~~	~~6~~	~~4~~	~~71'-1 1/2"~~	~~2880~~	~~5~~	~~19.2~~	~~20.0~~	~~24~~
~~84x40~~	~~7~~	~~5~~	~~82'-11 3/4"~~	~~3360~~	~~6~~	~~22.4~~	~~24.0~~	~~28~~
~~96x40~~	~~8~~	~~6~~	~~94'-10"~~	~~3840~~	~~7~~	~~25.6~~	~~28.0~~	~~32~~
~~108x40~~	~~9~~	~~7~~	~~106'-8 1/4"~~	~~4320~~	~~8~~	~~28.8~~	~~32.0~~	~~36~~
~~120x40~~	~~10~~	~~8~~	~~118'-6 1/2"~~	~~4800~~	~~8~~	~~32.0~~	~~32.0~~	~~40~~
~~132x40~~	~~11~~	~~9~~	~~130'-4 3/4"~~	~~5280~~	~~9~~	~~35.2~~	~~36.0~~	~~44~~
~~144x40~~	~~12~~	~~10~~	~~142'-3"~~	~~5760~~	~~10~~	~~38.4~~	~~40.0~~	~~48~~



B S1 FOUNDATION PLAN (PLYWOOD OR VIROC FLOOR) 1/4"=1'-0" (50 PSF LIVE LOAD w/15 PSF PARTITION LOAD)

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

NOTES:
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REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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

APPROVALS:

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

REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Luttrell No. 1416 EXP. 3-31-09 Structural Engineer — STATE OF CALIFORNIA

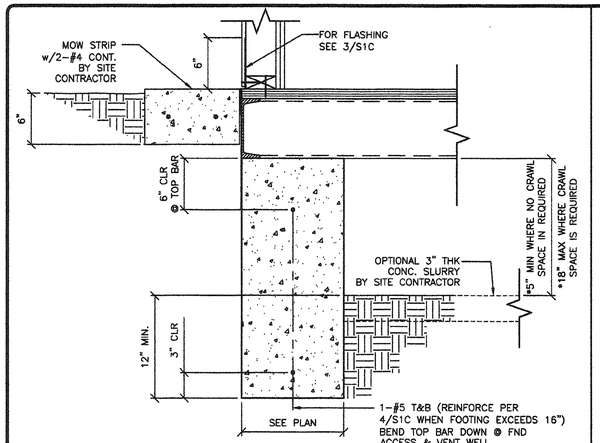
LICENSED ARCHITECT — RANDALL PATRICK CAVANAGH — No. C12631 Ren. 3-31-09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT — 03-112985 — AC. FLS SS — DATE SEP 24 2009

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — PC 02-109695 — AC. FLS SS — DATE 3/23/2010

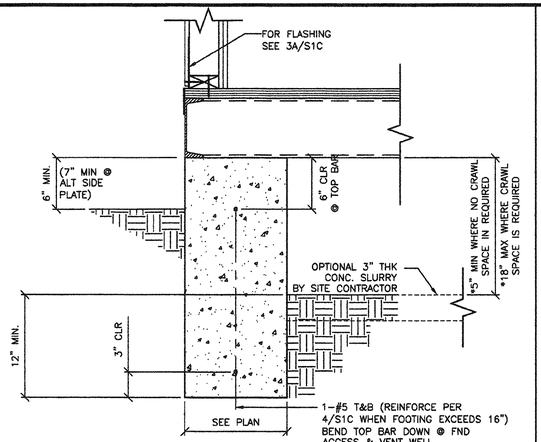
PROJECT No.

S1



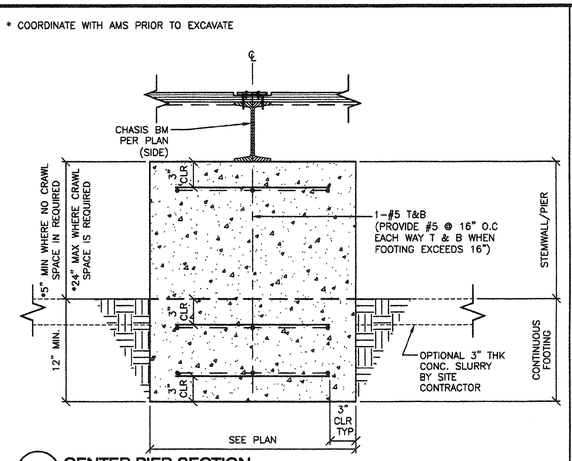
1 S1C **BELOW GRADE SECTION** 1 1/2"=1'-0"

* COORDINATE WITH AMS PRIOR TO EXCAVATE

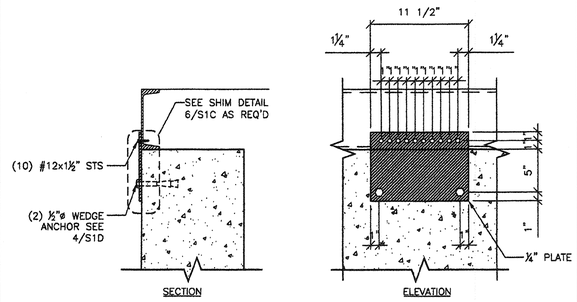


1A S1C **ABOVE GRADE SECTION** 1 1/2"=1'-0"

* COORDINATE WITH AMS PRIOR TO EXCAVATE

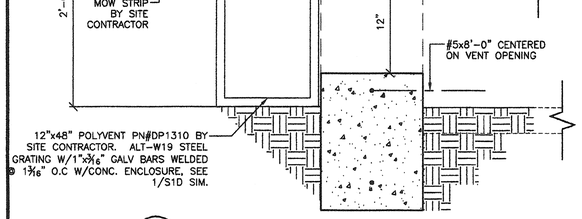


4 S1C **CENTER PIER SECTION** 1 1/2"=1'-0"



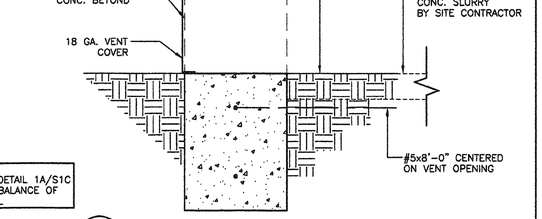
NOTE: PROVIDE 3" CONC. COVER OVER ¼" PLATE FROM FACE & EDGES

6A S1C **ALTERNATE SIDE PLATE DETAIL** 1 1/2"=1'-0"



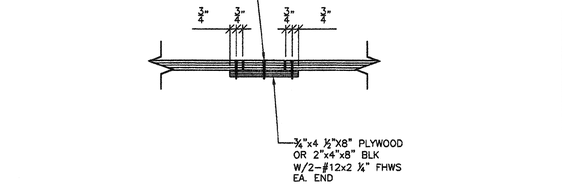
SEE 1/S1C FOR BALANCE OF DETAIL

2 S1C **BELOW GRADE SECTION/VENT DETAIL** 1 1/2"=1'-0"

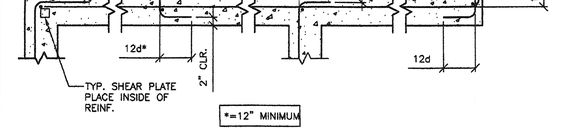


NOTE: SEE DETAIL 1A/S1C FOR BALANCE OF DETAIL

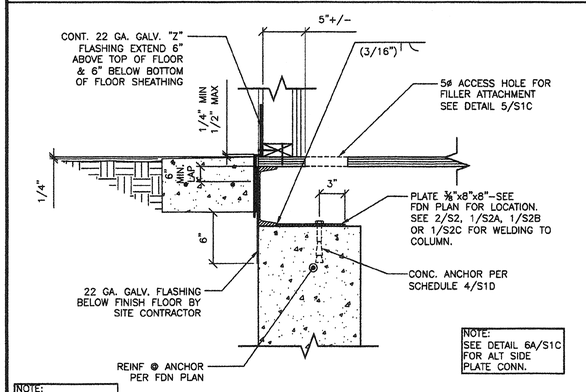
2A S1C **ABOVE GRADE SECTION/VENT DETAIL** 1 1/2"=1'-0"



5 S1C **FILLER ACCESS HOLE DETAIL** 1 1/2"=1'-0"



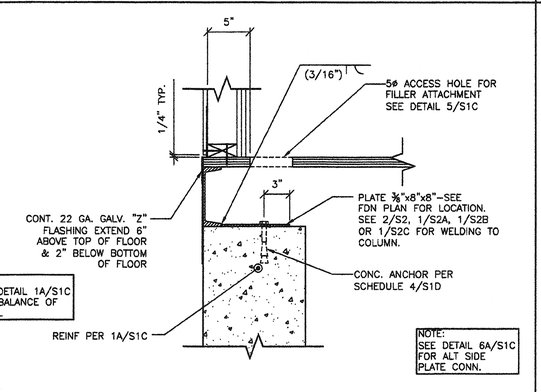
7 S1C **TYP. WALL & FTG. REINF. SPLICES** NOT TO SCALE



NOTE: SEE DETAIL 6A/S1C FOR ALT SIDE PLATE CONN.

NOTE: SEE DETAIL 1/S1C FOR BALANCE OF DETAIL

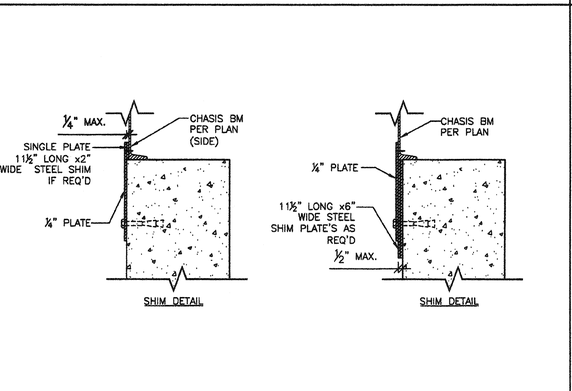
3 S1C **BELOW GRADE SECTION/PLATE ATTACHMENT** 1 1/2"=1'-0"



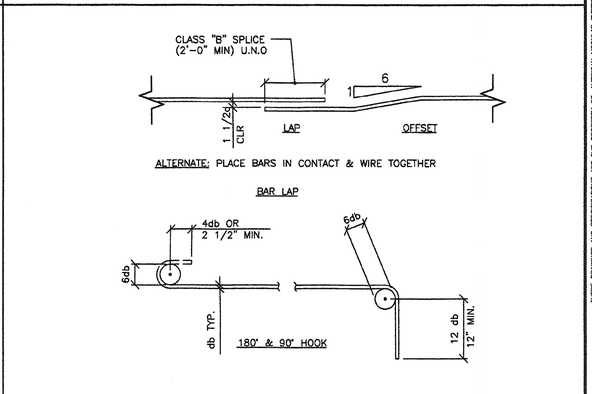
NOTE: SEE DETAIL 1A/S1C FOR BALANCE OF DETAIL

NOTE: SEE DETAIL 6A/S1C FOR ALT SIDE PLATE CONN.

3A S1C **ABOVE GRADE SECTION/PLATE ATTACHMENT** 1 1/2"=1'-0"



6 S1C **ALTERNATE SIDE PLATE SHIM DETAIL** 1 1/2"=1'-0"



8 S1C **TYPICAL REINFORCING BENDS** NOT TO SCALE

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 01/23/09

SCALE: NOTED

DRAWN BY: RL

SERIAL NO.:

CUSTOMER:

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

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

APPROVALS:

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

REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Lutrell No. 1418 EXP. 3-31-09 Structural Engineer — STATE OF CALIFORNIA

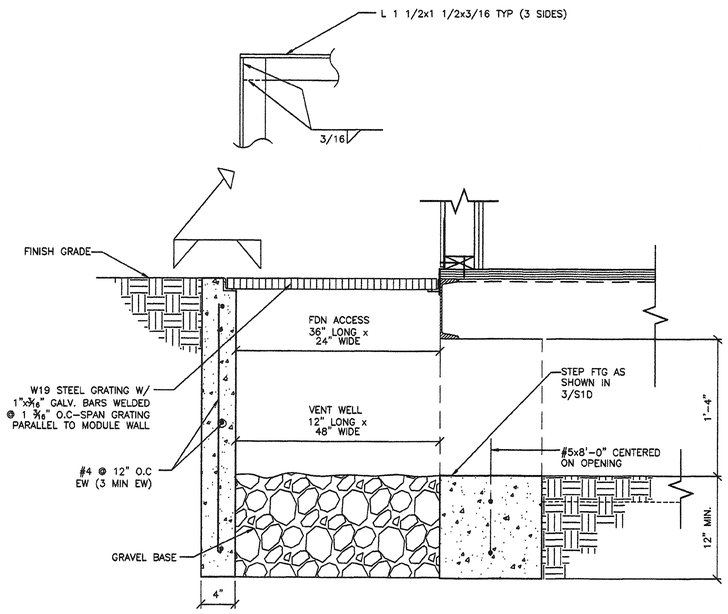
LICENSED ARCHITECT — DENNIS PATRICK HOYER — No. C12831 Ren. 2-31-09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 03-112985 AC FLS SS DATE SEP 24 2009

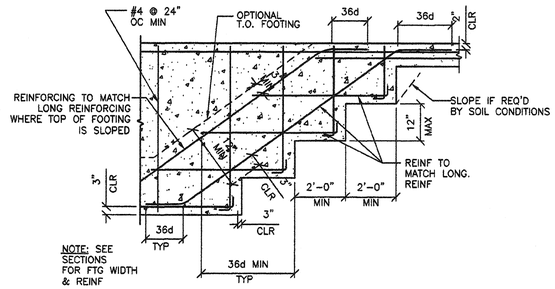
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 02-109695 AC FLS SS DATE 3/23/2009

PROJECT No.

S1C



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



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

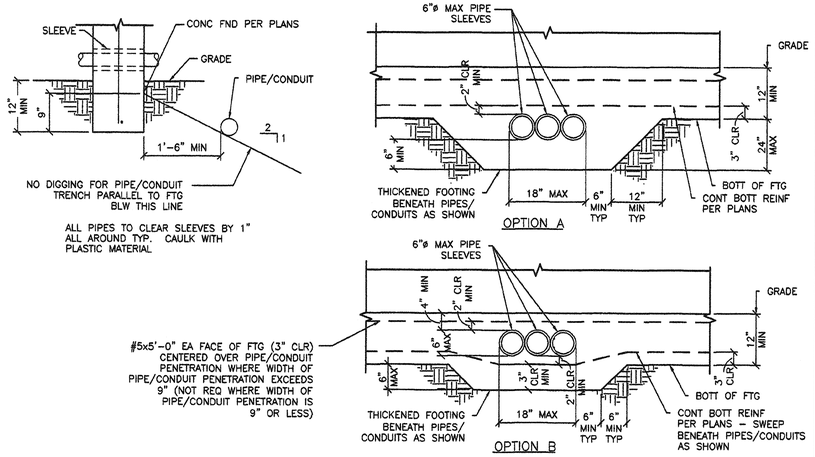
CONCRETE ANCHOR SCHEDULE		
FLOOR LOAD	SUBFLOOR	ANCHOR SIZE
50	WOOD	1/2"ø
50 + 15	WOOD	1/2"ø
100	WOOD	1/2"ø
100	CONCRETE	3/4"ø
150	WOOD	5/8"ø
150	CONCRETE	3/4"ø SIMPSON STRONG BOLT REFER TO 4/S1D

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

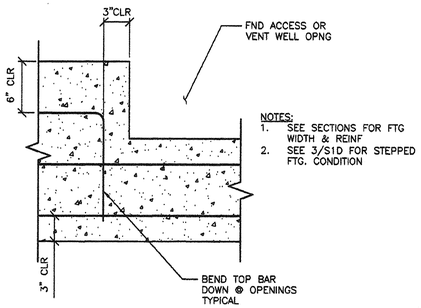
1. TENSION TEST- 2 x ALLOWABLE TENSION LOAD PER DSA IR 19-1.
2. NORMAL WEIGHT CONCRETE WITH f'c= 2500 PSI TO COMPLY WITH 1916A.4 FOR MATERIAL TEST WAIVER.
3. MINIMUM EDGE DISTANCE REQUIRED 4 5/8"

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

NOTES:
1. 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.
2. CONCRETE SHALL BE WELL CONSOLIDATED AROUND & UNDER PIPES, CONDUITS, SLEEVES, BLOCKOUTS TO PREVENT CONCRETE VOIDS.
3. PROVIDE 2" CLEAR MIN BETWEEN BLOCKOUT/SLEEVES AND REINFORCEMENT.
4. 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 S1D **PIPE SLEEVE DETAIL**
1 1/2"=1'-0"



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02-112985
AC FLS SS
DATE 3-23-2009

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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

APPROVALS:

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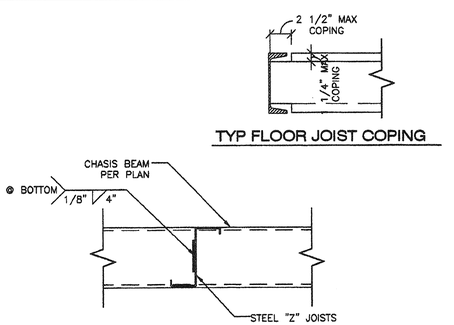
REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-09
Structural Engineer
STATE OF CALIFORNIA

REGISTERED ARCHITECT
RANDY PATRICK GRAHAM
No. C12631
Ren. 2-31-09
STATE OF CALIFORNIA

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

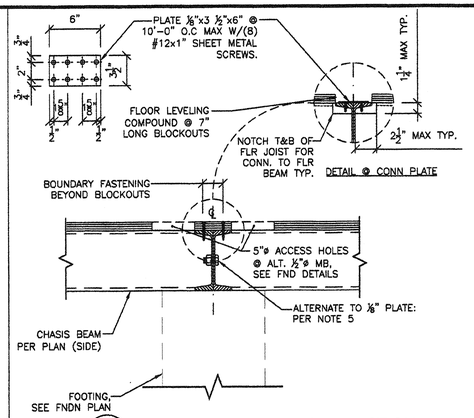
PROJECT No.

S1D

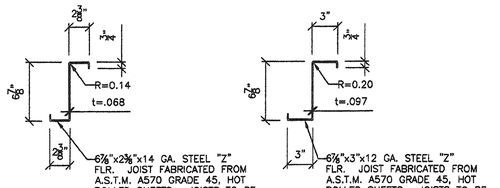


TYP FLOOR JOIST COPING

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



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



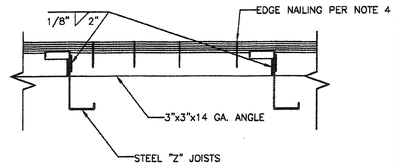
14 GA. JOIST

Z SECTION PROPERTIES
A=0.89 IN.^{2}
Sx=1.85 IN.^{3}
Ix=6.37 IN.^{4}

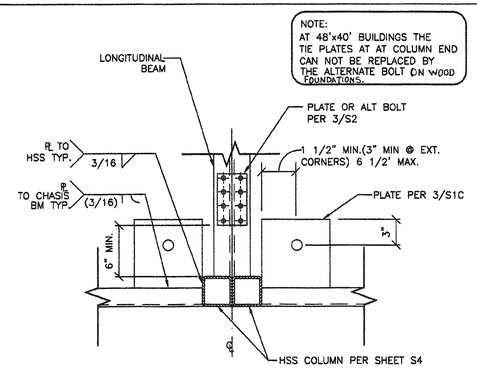
12 GA. JOIST

Z SECTION PROPERTIES
A=1.38 IN.^{2}
Sx=2.97 IN.^{3}
Ix=10.20 IN.^{4}

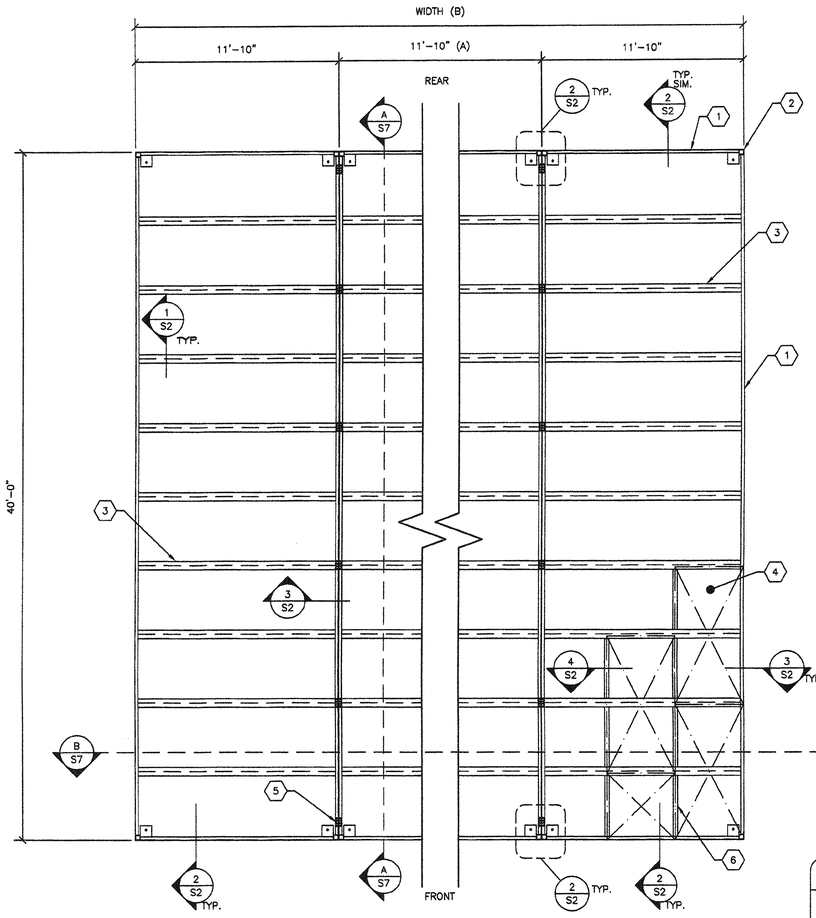
1A / S2 TYP JOISTS
1 1/2"=1'-0"



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



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



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

- KEY NOTES -

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

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

4. 1 1/8" T&G PLYWOOD FLOOR SHT'G
   STURDI-I-FLOOR 48" O.C SPAN RATING EXP. 1
   COMFORMING TO PS 1-95
   OPTION: UNI-FLOOR BY PITTSBURGH
   TESTING LAB CONFORMING TO PS 1-95.
   STAGGER SHEETS 48" O.C AS SHOWN W/
   FACE GRAIN NORMAL TO FLOOR JOISTS.
   FASTENING: BOUNDARY OF EA. MODULE:
   #12x2 1/4" WOOD TEK @ CHANNEL @ 6" O.C
   PANEL EDGES: ET&F 0.144"ø x2" MIN.
   POWER DRIVEN PINS @ 6"O.C
   FIELD: ET&F 0.144ø 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"
   W/(6)#12x1" SHEET METAL SCREWS
   @ 10'-0" O.C MAX

   ALTERNATE:
   ½"ø x1 ½" MB @ 10'-0" O.C TYP
   (8'-0" O.C. MAX @ 48'x40' 150 PSF FLOOR
   LIVE LOAD BUILDING ON WOOD FOUNDATIONS)
   MAX AND 6" MAX FROM EACH END OF MOUDLE.
   BOLT ø + 1/16" MAX HOLE THRU CHANNELS
6. 3"x3"x14 GA. ANGLE @ UNSUPPORTED PLYWOOD EDGES @ THE TWO END MODULES OF 48'x40' 150 P.S.F BUILDING ON WOOD FOUNDATION ONLY. PER DETAIL 4/S2

- GENERAL NOTES -

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 GAUGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.

- MODULE SCHEDULE -

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

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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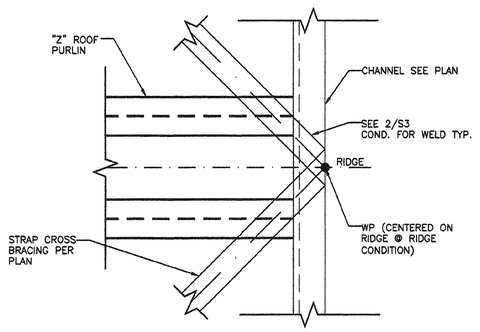
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 112985 AC FLS SS DATE SEP 24 2008

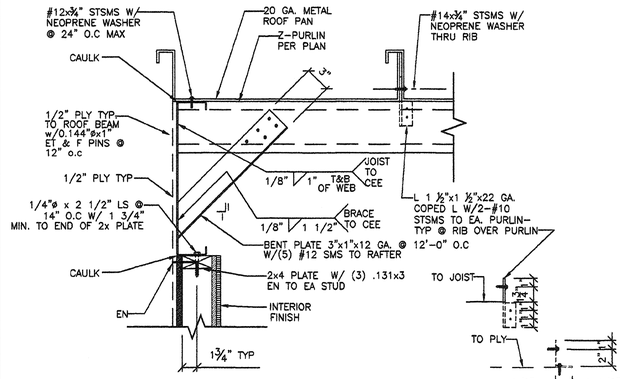
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 02-109695 AC FLS SS DATE 3/23/2009

PROJECT No. PC

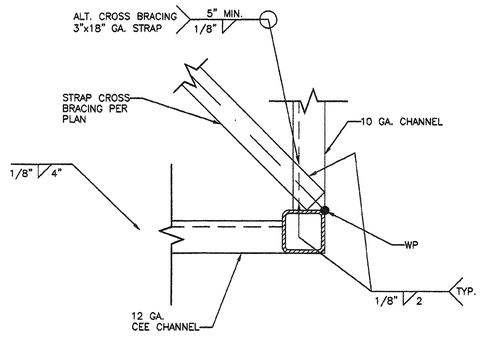
S2



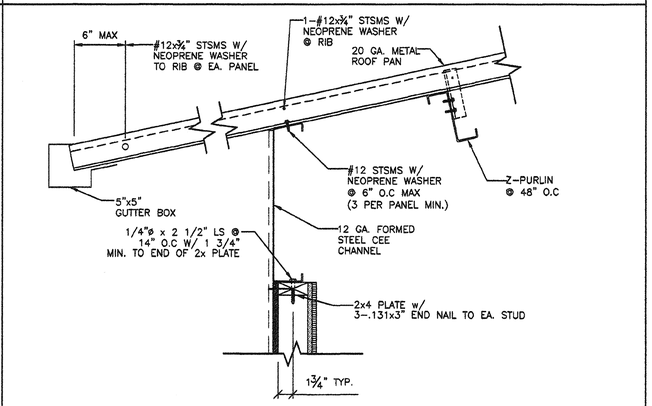
1 / S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ ROOF CHANNEL



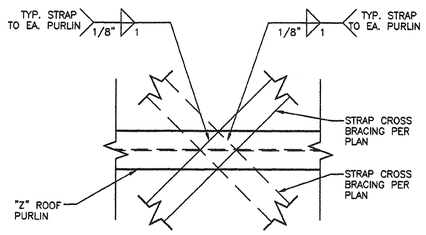
4 / S3 SIDE WALL TO ROOF BEAM DETAIL
1 1/2"=1'-0"



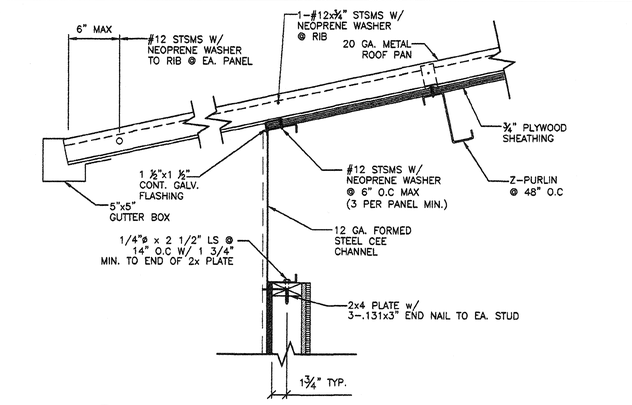
2 / S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ END CHANNEL



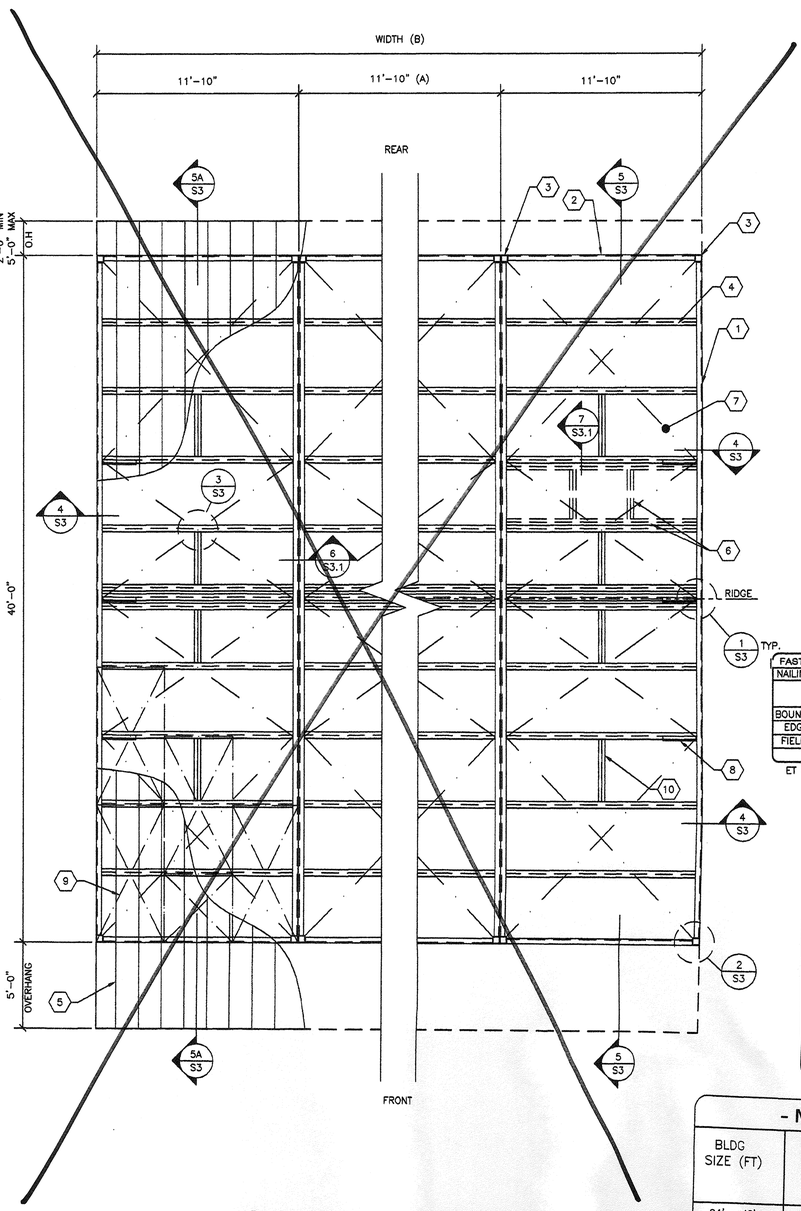
5 / S3 2'-0" OR 5'-0" OVERHANG DETAIL
1 1/2"=1'-0"



3 / S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ ROOF PURLIN



5A / S3 2'-0" OR 5'-0" OVERHANG DETAIL
1 1/2"=1'-0" OVERHANG W/PLYWOOD SHEATHING



A / S3 TYPICAL ROOF FRAMING LAYOUT
1/4"=1'-0" OPEN SOFFIT

- KEY NOTES -

1. LONGITUDINAL ROOF BEAM TYP. (SEE 10/S3.1)
2. 12 GA TRANVERSE ROOF BEAM TYP. (SEE 11/S3.1)
3. HSS COLUMN PER SHEET S4
4. 'Z' FORMED ROOF PURLINS @ 48" O.C. MAX (SEE 9/S3.1)
5. 20 GA. ROOF PAN 3 SPAN CONTINOUS MIN. (SEE 8/S3.1)
6. PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG PER 7/S3.1 @ OPTIONAL ROOF MOUNT HVAC. (MAX WEIGHT 600#)
7. 2"x16 GA. STRAP CROSS BRACING GRADE 50 ALT. CROSS BRACING 3"x18 GA. GRADE 50
8. 3x1x12 GA. BENT PLATE BRACE PER 4/S3 @ EA. STRAP TO 10 GA. BM CONNECTION & @ 12'-0" OC MAX @ EXTERIOR WALL ONLY. PROVIDE 2 @ RIDGE & PROVIDE PURLIN BLKG PER NOTE 10 BELOW.
9. ALTERNATE TO CROSS BRACING: 3/4" APA RATED L-P OSB SHEATHING OR 3/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T&G OR EDGE CLIP) COMPLY WITH DSA PA-062, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF PURLINS ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO SCHEDULE BELOW FOR FASTENING.
10. PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 7/S3.1. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES @ PURLINS WITH DIAGONAL BRACING PER NOTE 8 ABOVE.

FASTENING SCHEDULE

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

ET & F 0.144 PINS PER ICC ESR #4144

- GENERAL NOTES -

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

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com

APPROVALS:

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

REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Luttrell No. 1418 EXP. 3-31-09 Structural Engineer — STATE OF CALIFORNIA

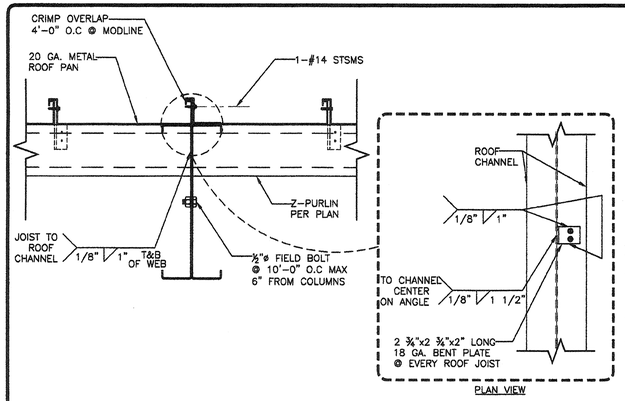
LICENSED ARCHITECT — RANDALL PATRICK DYMKOSKI — No. C12831 Ren. 8-31-09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT — 05-112985 — AC FLS SS — DATE CER 2 4 2009

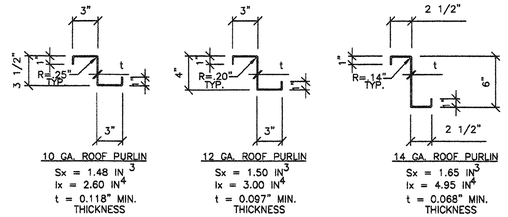
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — PC 02-109695 — AC FLS SS — DATE 3/27/2009

PROJECT No. PC

S3



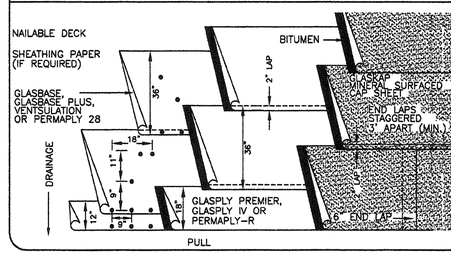
6 / S3.1 ROOF BEAM CONNECTION DETAIL
1 1/2"=1-0"



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

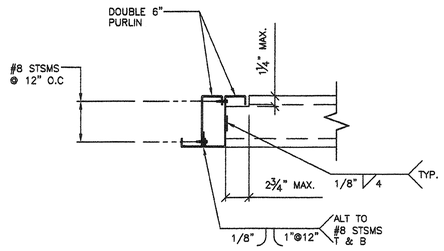
9 / S3.1 Z PURLINS DETAILS AND PROPERTIES
1 1/2"=1-0"

THREE PLY MINERAL SURFACED FIBER GLASS BUILT-UP ROOF

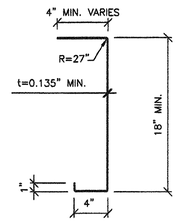


MATERIALS PER 100 SQ. FT. OF ROOF AREA		
SHEATHING PAPER: WOOD BOARD DECKS ONLY		1 LAYER
FELTS:		
GLASBASE, GLASBASE PLUS, PERMAPLY 28 OR VENTSULATION FELT		1 PLY
GLASPLY PREMIER, PERMAPLY-R OR GLASPLY IV		1 PLY
GLASKAP, MINERAL SURFACED CAP SHEET		1 PLY
BITUMEN (INTERPLY):		
INCLINE PER FOOT	ASPHALT	NOMINAL WEIGHT
UP TO 1"	170°F, TYPE II, FLAT	46 LBS.
1" TO 3"	190°F, TYPE III, STEEP	46 LBS.
3" TO 6"	220°F, TYPE IV, SPECIAL STEEP	46 LBS.
0 TO 6"	PERMAMOP	45 LBS.
APPROXIMATE INSTALLED WEIGHT: 141-215 LBS.		
ROOFING CLASS: A		

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



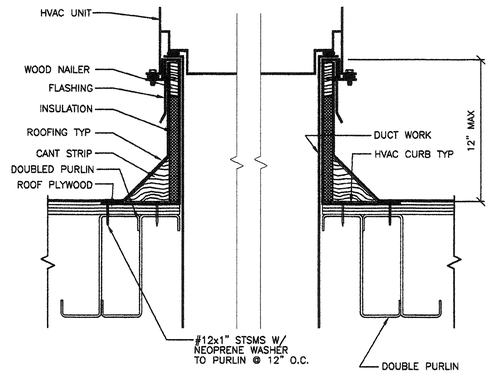
7 / S3.1 BLOCKING DETAIL
1 1/2"=1-0"



A	3.71 IN2
Sx MIN.	17.32 IN3
Ix MIN.	159.80 IN4

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

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

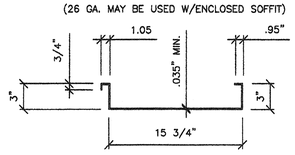


12 / S3.1 HVAC CURB DETAIL ANCHORAGE
3"=1-0"

- GENERAL NOTES -

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

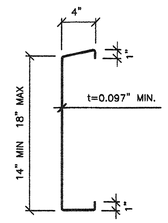
(26 GA. MAY BE USED W/ENCLOSED SOFFIT)



$S\bar{x}(t)$ = 0.326 IN3 $S\bar{x}(t)$ = 0.323 IN3
$S\bar{x}(b)$ = 1.365 IN3 $S\bar{x}(b)$ = 0.283 IN3
$I\bar{x}$ = 0.789 IN4 $I\bar{x}$ = 0.452 IN4

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

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



	14"	18"
A	2.36 IN2	2.76 IN2
Sx MIN.	9.58 IN3	13.60 IN3
Ix MIN.	67.016 IN4	122.44 IN4

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

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

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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

APPROVALS:

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REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Lotrell No. 1418 EXP. 3-31-09 Structural Engineer — STATE OF CALIFORNIA

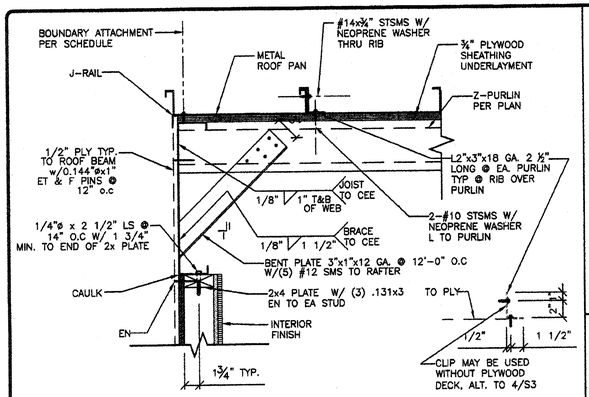
LICENSED ARCHITECT — RANDALL PATRICK DENMARK — No. C12831 Ren. 3.31.09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
02-112985
AC FLS SS
DATE SEP 24 2009

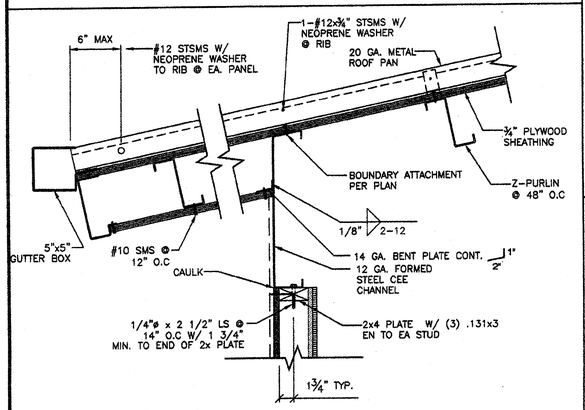
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 02-109695
AC. FLS. SS
DATE 3/2/2009

PROJECT No.
PC

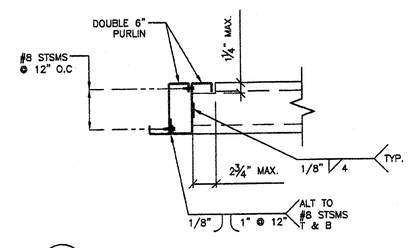
S3.1



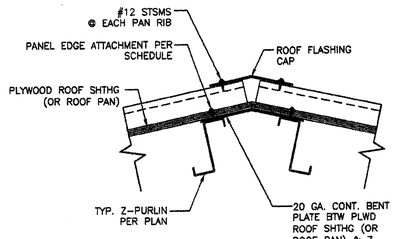
1 / S3A — TYP. PLYWOOD SHEATHING
1 1/2"=1'-0"



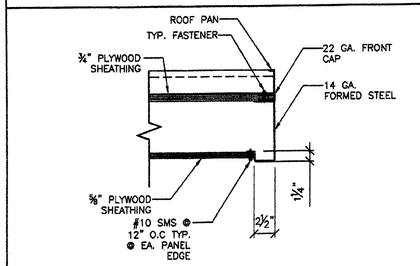
2 / S3A — OVERHANG DETAIL
1 1/2"=1'-0"



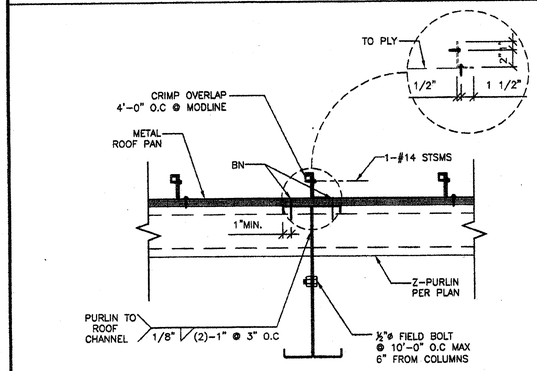
4 / S3A — BLOCKING DETAIL
1 1/2"=1'-0"



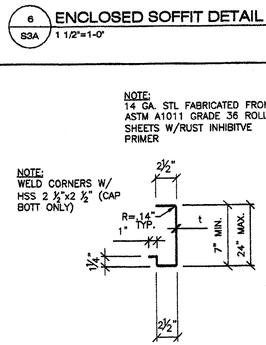
5 / S3A — HIGH PITCH RIDGE DETAIL
1 1/2"=1'-0"



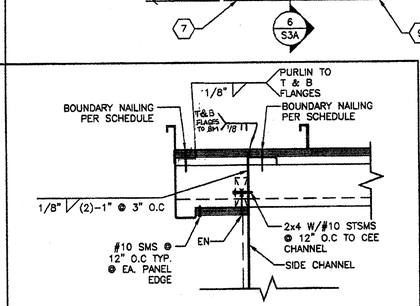
6 / S3A — ENCLOSED SOFFIT DETAIL
1 1/2"=1'-0"



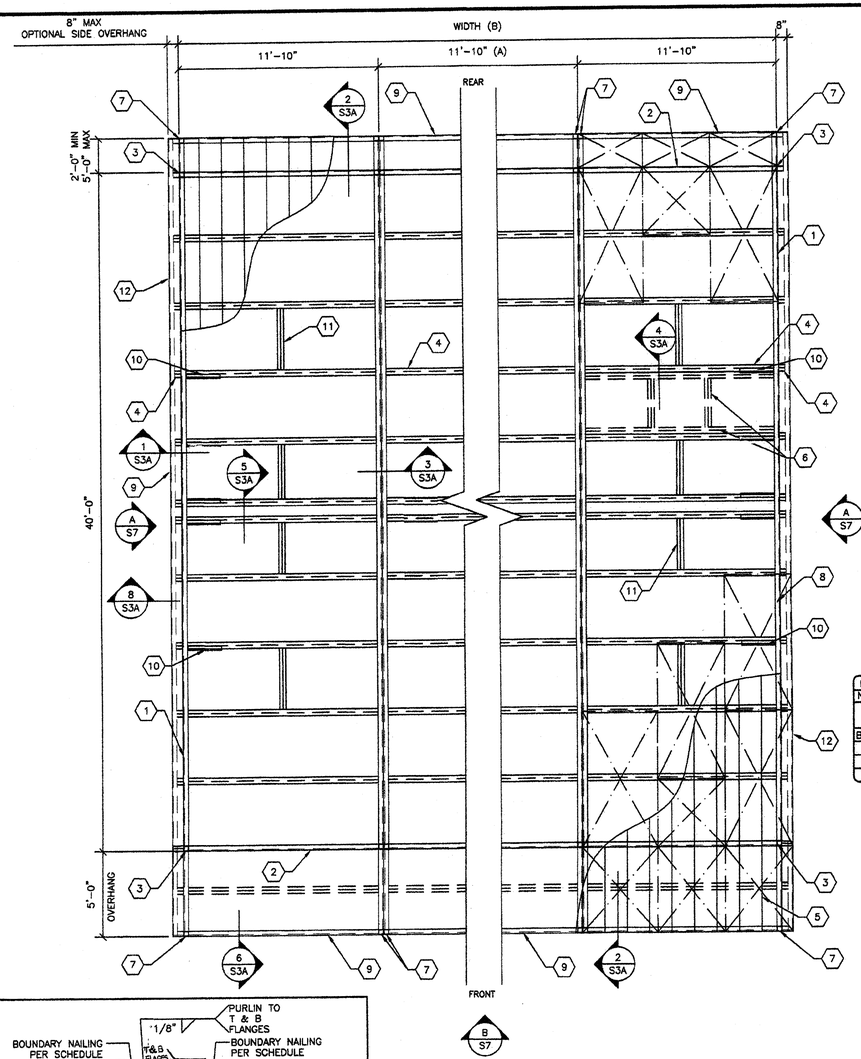
3 / S3A — ROOF BEAM CONNECTION DETAIL
1 1/2"=1'-0"



7 / S3A — 14 GA. FORMED STEEL CEE
1 1/2"=1'-0"



8 / S3A — SIDE WALL OVERHANG DETAIL (OPTIONAL)
1 1/2"=1'-0"



A / S3A — TYPICAL ROOF FRAMING LAYOUT
1/4"=1'-0"

- KEY NOTES -

1. LONGITUDINAL ROOF BEAM TYP. (SEE 10/S3.1)
2. 12 GA TRANVERSE ROOF BEAM TYP. (SEE 11/S3.1)
3. HSS COLUMN PER SHEET S4
4. 'Z' FORMED ROOF PURLINS @ 48" O.C. MAX (SEE 9/S3.1)
5. 20 GA. ROOF PAN 3 SPAN CONTINOUS MIN. (SEE 8/S3.1)
6. PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG PER 4/S3A @ OPTIONAL ROOF MOUNT HVAC. (MAX WEIGHT 600#)
7. 14 GA. 2 ½"x 2 ½" HSS PER ⁷/S.A
8. 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-082, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF PURLINS ROOF SHTHG MAY BE REPLACED BY STRAP CROSS BRACING (REFER TO SHEET S3 FOR DETAILS) ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO SCHEDULE BELOW FOR FASTENING.
9. 14 GA. FORMED STEEL CEE PER 7/S3A
10. 3x1x12 GA. BENT PLATE BRACE PER 1/S3A @ EA. STRAP TO 10 GA. BM CONNECTION & @ 12'-0" OC MAX @ EXTERIOR WALL ONLY. PROVIDE 2 @ RIDGE & PROVIDE PURLIN BLKG PER NOTE 11 BELOW.
11. PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 4/S3.A. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES @ PURLINS WITH DIAGONAL BRACING PER NOTE 10 ABOVE.
12. OPTIONAL SIDE OVERHANGS

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

ET & F 0.144 PINS PER ICC ESR #4144

- GENERAL NOTES -

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

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Lutrell No. 1416 EXP. 9-31-09 Structural Engineer — STATE OF CALIFORNIA

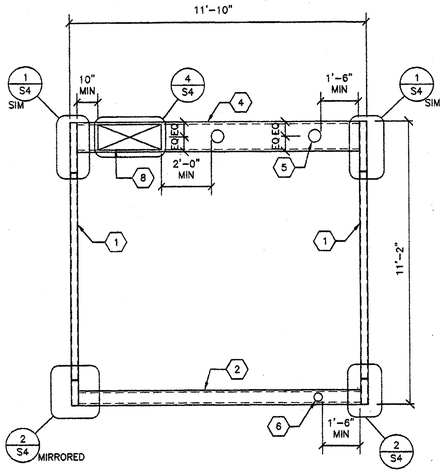
REGISTERED ARCHITECT — ANDREW PATRICK DONOVAN — No. C12631 Ren. 8-31-09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT — 12985 — AC. FLS SS — DATE SEP 21 2009

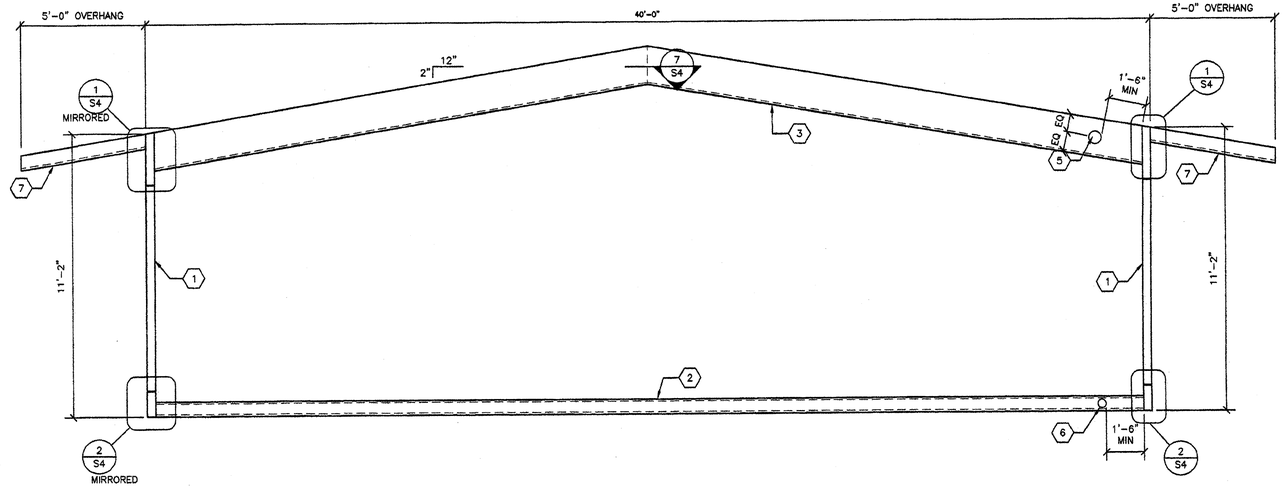
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — PC 02-109695 — AC. FLS SS — DATE 3/23/2009

PROJECT No. PC

S3A



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



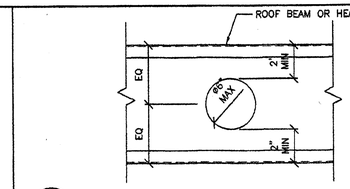
A S4 TYPICAL LONGITUDINAL FRAME
3/8"=1'-0"

- KEY NOTES -

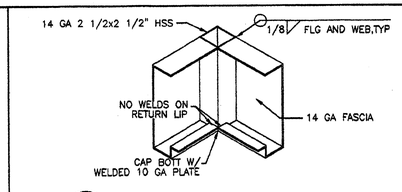
1. HSS 4x4x5/16" COLUMN
2. FLOOR BEAM PER SCHEDULE BELOW
3. LONGITUDINAL ROOF CHANNEL PER 10/S3.1
4. 12 GA. TRANSVERSE ROOF CHANNEL 14" MIN 18" MAX PER 11/S3.1
5. 6" ø MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT MINIMUN SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION NOTE: IF HOLE IS 3" OR LESS THEY MAY BE SPACED AT 24" O.C. MINIMUM
6. 4" ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. NOTE: IF HOLE IS 2" OR LESS THEY MAY BE SPACED AT 24" MINIMUM
7. 12 GA OUTRIGGER CHANNEL AT ENCLOSED OVERHANG REFER TO DETAIL 1/S4A
8. OPENING FOR HVAC UNIT

- FLOOR BEAM SCHEDULE -

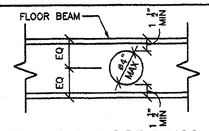
SUBFLOOR TYPE	FLOOR BEAM SIZE	ALTERNATES
VIROC OR PLYWOOD	C7x9.8	C9x13.4, C10x15.3
CONCRETE	C9x13.4	C10x15.3



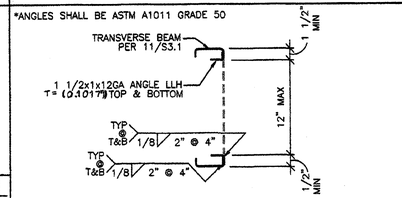
5 S4A OPENING @ ROOF BEAMS
1 1/2"=1'-0"



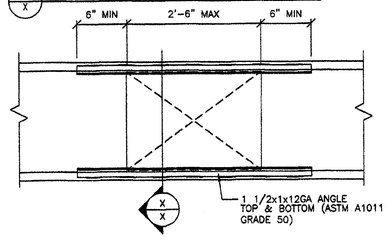
3 S4A OVERHANG CORNER DETAIL
NTS



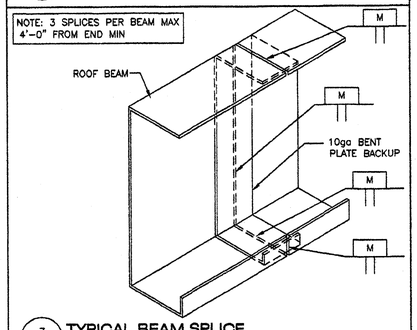
6 S4A OPENING @ FLOOR BEAM
1 1/2"=1'-0"



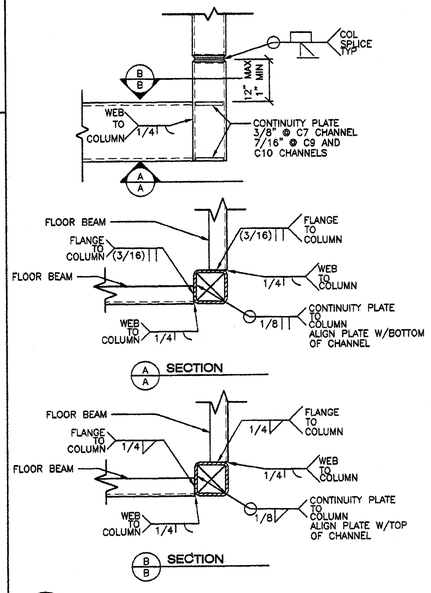
X X DETAIL @ TRANSVERSE BEAMS



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

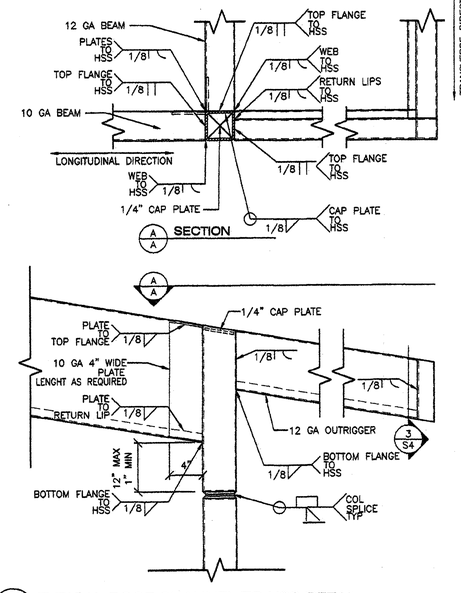


7 S4A TYPICAL BEAM SPLICE
N.T.S.



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

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



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

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

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

CUSTOMER:

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

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

APPROVALS:

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

REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Luttrell No. 1416 EXP. 3-31-08 Structural Engineer — STATE OF CALIFORNIA

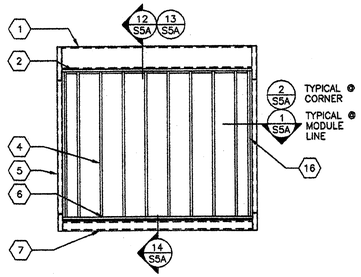
LICENSED ARCHITECT — Daniel Patrick Kevin No. C12631 Ren. 3-31-09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT — 05-112985 — AC. FLA SS — DATE SEP 24 2009

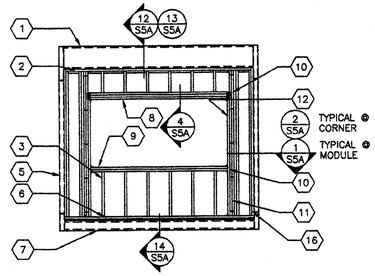
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — PC 02-109695 — AC. FLS SS — DATE 3/13/2009

PROJECT No.
PC

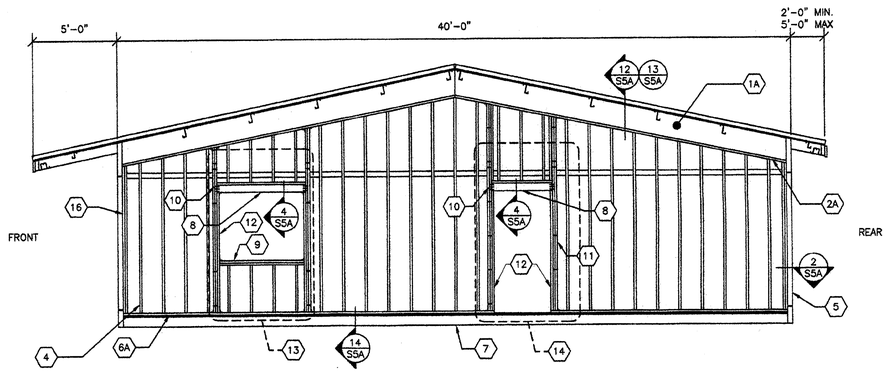
S4



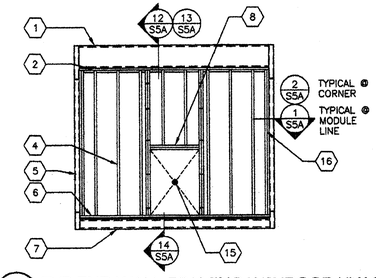
1 S5 TYP END WALL FRAMING W/NO OPENINGS
1/4"=1-0"



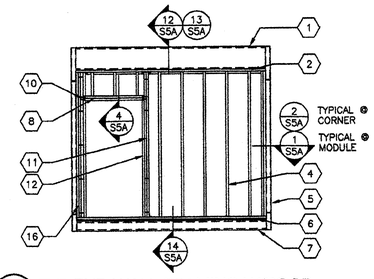
2 S5 TYP END WALL FRAMING W/WINDOW
1/4"=1-0"



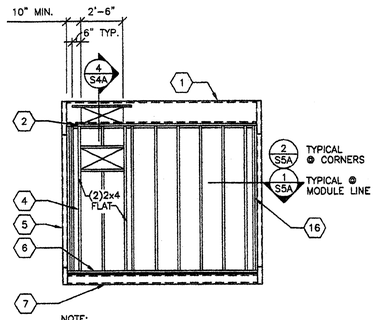
6 S5 TYP SIDE WALL FRAMING
1/4"=1-0"



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



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



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

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

EXTERIOR WALL FINISH/WALL STUD SCHEDULE

FINISH TYPE	FOUNDATION TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS1-95. VERTICAL GROOVES @ 8" OC	WOOD OR CONCRETE	JOINT DETAIL SEE 10/S5A NAILING PER BLDG SECTIONS	HEM FIR #2	@ 16" OC	@ 16" OC
			DOUG FIR #2	@ 16" OC	@ 16" OC
5/16" HARDIBOARD WITH SYNTHETIC STUCCO 5/16" HARDI-LAP SIDING	WOOD OR CONCRETE	JOINT DETAIL AND NAILING PER DETAIL 10/S5A	HEM FIR #2	@ 16" OC	@ 16" OC
			DOUG FIR #2	@ 16" OC	@ 16" OC
½" PLYWOOD SHEATHING CONFORMING TO PS1-95, APA RATED, 5 PLY 32/16, EXPOSURE 1 WITH ⅞" STUCCO	CONCRETE ONLY	NAILING PER BLDG SECTIONS	HEM FIR #2	@ 16" OC	@ 12" OC
			DOUG FIR #2	@ 16" OC	@ 16" OC

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

- KEY NOTES -

1. ROOF HEADER
1A. ROOF BEAM
2. 2x4 HEM FIR #2 PLATE NO SPLICE
2A. 2x HEM FIR #2 PLATE
3. 2x STUDS SPACED PER SCHEDULE TYP. W/ (3) .131x3" NAILS @ EA END
4. 2x4 STUDS SPACED PER SCHEDULE W/(3).131x3" NAILS @ EA. END @ TRANSVERSE WALLS. (2) 2x4'S OR (1)2x6 STUDS SPACED PER SCHEDULE W/(3).131x3" NAILS @ EACH END @ LONGITUDINAL WALLS.
5. HSS COLUMN PER SHEET S4
6. 2x HEM FIR #2 BOTTOM PLATE NO SPLICES 2x P.T. HEM FIR #2 AT CONCRETE FLOORS
6A. 2x HEM FIR #2 BOTTOM PLATE 2x P.T. HEM FIR #2 AT CONCRETE FLOORS
7. PERIMETER FLOOR BEAM
8. (2) 2x6 HEM FIR W/ 2x4 FLAT HEADER ALT. (3) FLAT 2x HEM FIR. PER DETAIL 4/S5A
9. (2) 2x HEM FIR #2 WINDOW SILL PLATE TYP. (3) 2x HEM FIR #2 OR (2) 2x DOUG FIR #2 @ STUCCO WALLS
10. (7).131x3" END NAILS THROUGH KING STUD TYP (ONLY 5 NAILS REQUIRED AT WINDOW SILLS) INTERNAL KINGS STUDS W/.131 NAILS @ 12" O.C MAX
11. (2) 2x HEM FIR #2 KING STUDS W/ (2) A34 T&B TO PLATE @ OPENINGS LESS THAN 4'-0" (INTERNAIL W/0.131 NAILS @ 12" OC TYP MAX.)
    (4) 2x HEM FIR #2 KING STUDS W/(2) A34 T & B TO PLATE @ TRANSVERSE WALLS @ OPENINGS GREATER THAN 4'-0" (INTERNAIL W/0.131 NAILS @ 12" OC TYP MAX.)
    (6) 2x HEM FIR #2 KING STUDS W/(2) A34 T & B TO PLATE @ LONGITUDINAL WALLS @ OPENINGS GREATER THAN 4'-0" (INTERNAIL W/0.131 NAILS @ 12" OC TYP MAX.)
12. 2x HEM FIR #2 TRIMMER
13. OPTIONAL WINDOW OPENING MAX 8'-0" WIDE (REFER TO 2/S5 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
14. OPTIONAL DOOR OPENING (REFER TO 4/S5 FOR DETAILS AND FLOORPLANS FOR LOCATIONS)
15. HVAC OPENINGS @ INDOOR UNIT
16. 2x NAILER

REVISIONS

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2		
3		
4		

DATE: 02/07/08
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CUSTOMER:

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

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LICENSED ARCHITECT — RANDALL PATRICK GRANNIS — No. C12631 Ren. 3-31-09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
63-112985
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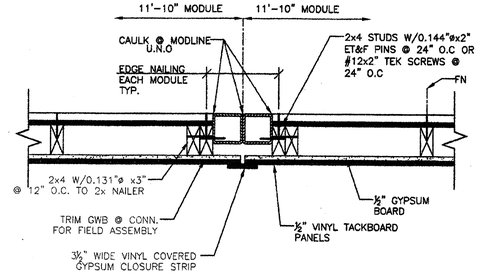
DATE SEP 24 2008

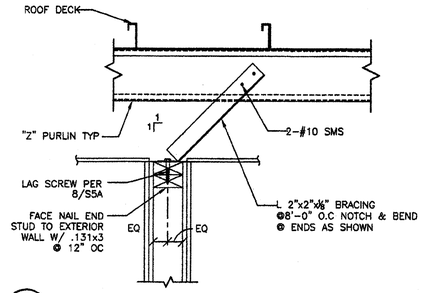
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 02-109695
AC FLS SS
DATE 3/23/2009

PROJECT No.

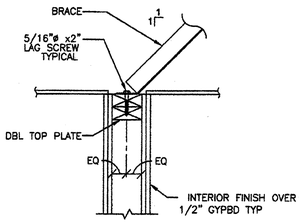
S5



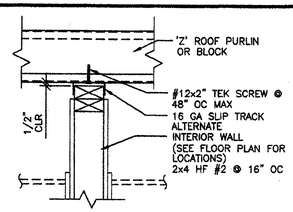
1 S5A **WALL TO COLUMN TYP DETAIL @ MODLINES**
1 1/2"=1-0"



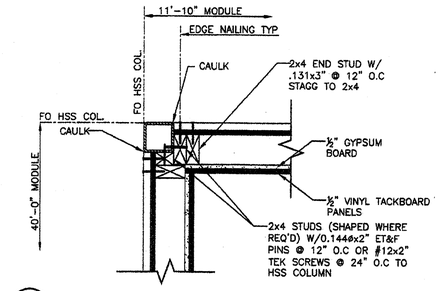
5 S5A **TYP. INTERIOR WALL BRACING**
1 1/2"=1-0" (BRACE PARALLEL TO PURLINS)



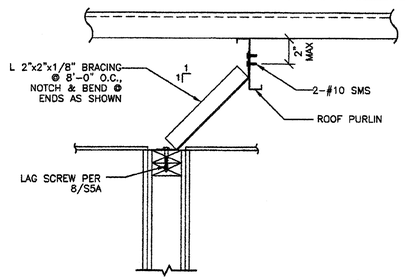
8 S5A **TYP. INTERIOR WALL BRACING**
1 1/2"=1-0" (INTERIOR PARTITION BRACING)



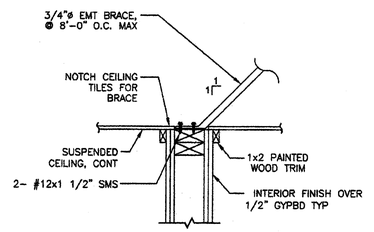
11 S5A **ALT.INTERIOR WALL ATTACHMENT**
1 1/2"=1-0"



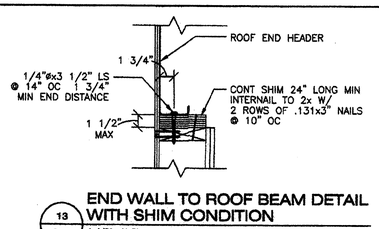
2 S5A **WALL TO COLUMN TYP DETAIL @ CORNER**
1 1/2"=1-0"



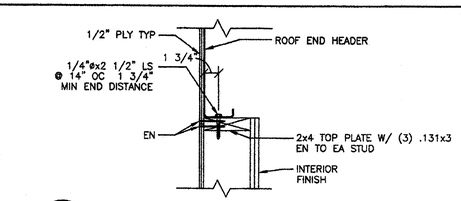
6 S5A **TYP. INTERIOR WALL BRACING**
1 1/2"=1-0" (BRACE PERPENDICULAR TO PURLINS)



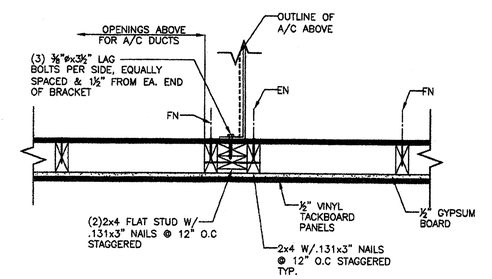
9 S5A **ALT. INTERIOR WALL BRACING**
1 1/2"=1-0" (INTERIOR PARTITION BRACING w/EMT BRACING)



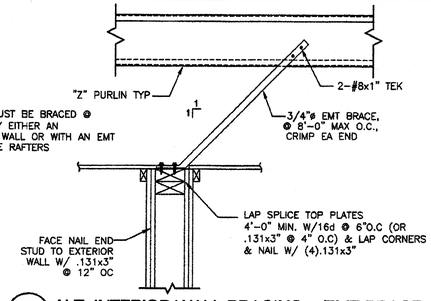
13 S5A **END WALL TO ROOF BEAM DETAIL WITH SHIM CONDITION**
1 1/2"=1'-0"



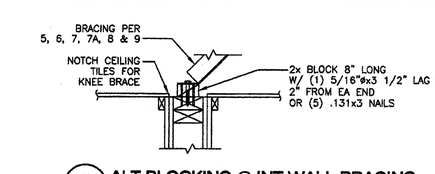
12 S5A **END WALL TO ROOF BEAM DETAIL**
1 1/2"=1-0"



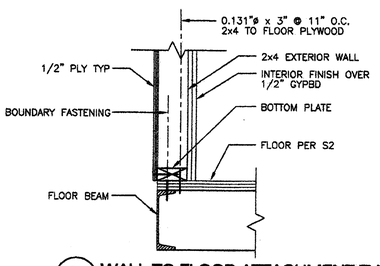
3 S5A **WALL HUNG HVAC DETAIL ATTACHMENT**
1 1/2"=1-0"



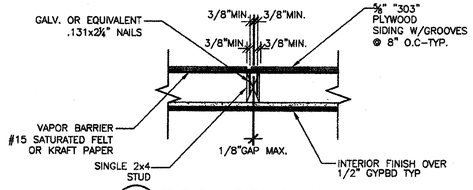
7 S5A **ALT. INTERIOR WALL BRACING w/EMT BRACE**
1 1/2"=1-0" (BRACE PARALLEL TO PURLINS)



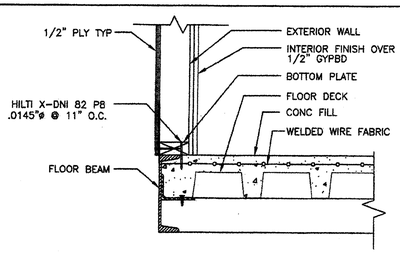
10 S5A **ALT BLOCKING @ INT WALL BRACING**
1 1/2"=1-0"



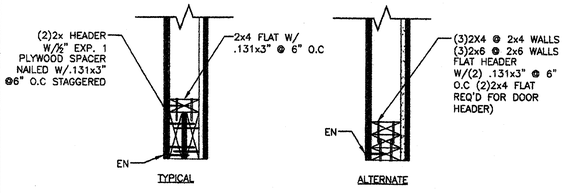
14 S5A **WALL TO FLOOR ATTACHMENT TYP DETAIL**
1 1/2"=1-0" (CONCRETE FLOOR SYSTEM)



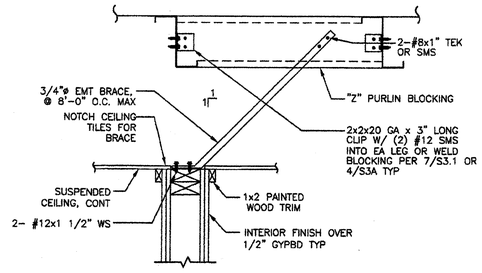
10A S5A **TYPICAL SIDING JOINT**
1 1/2"=1-0"



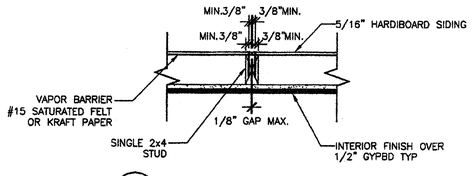
15 S5A **WALL TO FLOOR ATTACHMENT TYP DETAIL**
1 1/2"=1-0" (CONCRETE FLOOR SYSTEM)



4 S5A **WALL HEADER DETAILS AND ALTERNATE**
1 1/2"=1-0"



7A S5A **ALT. INTERIOR WALL BRACING w/EMT BRACE**
1 1/2"=1-0" (BRACE PERPENDICULAR TO PURLINS)



10B S5A **TYPICAL HARDIBOARD JOINT**
1 1/2"=1-0"

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 02/06/08
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SERIAL NO.:

CUSTOMER:

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

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LICENSED LANDSCAPE ARCHITECT — No. C12831 — Ren. 3.31.09 — STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT — 05-112985 — AC. FLS. SS — DATE SEP 24 2008

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PROJECT No.

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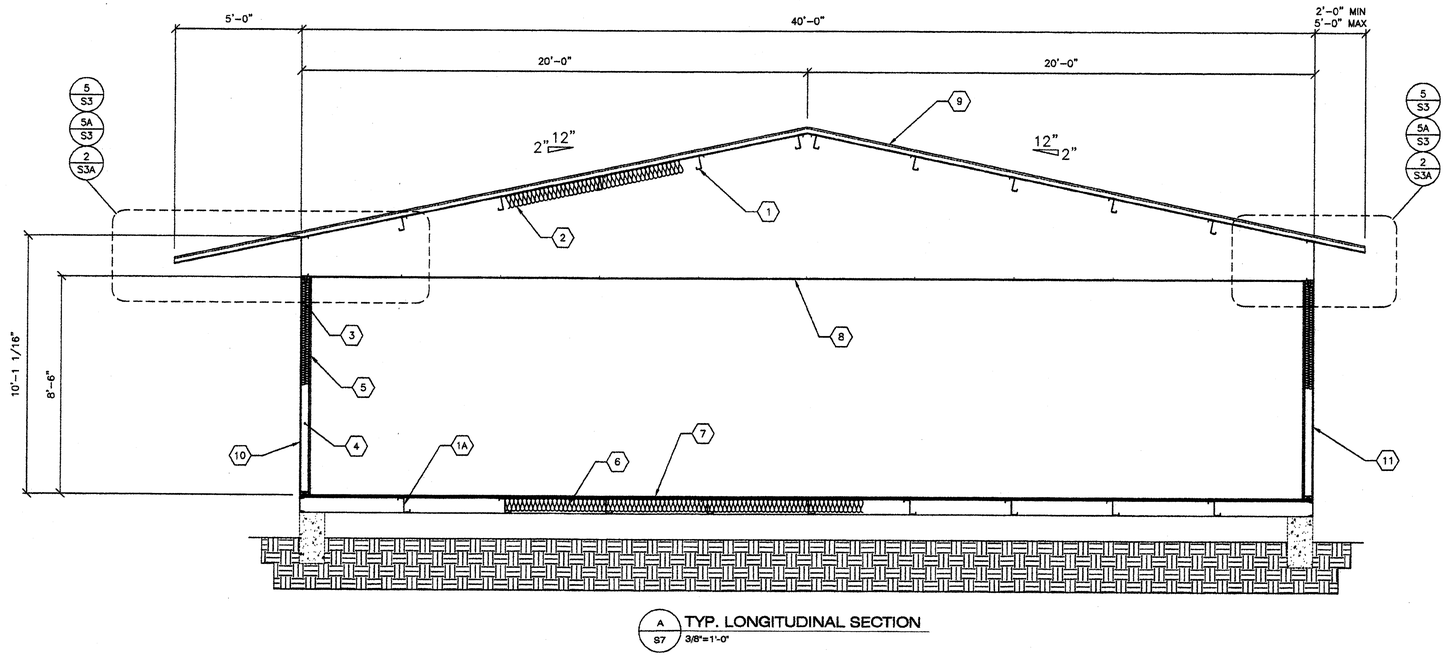
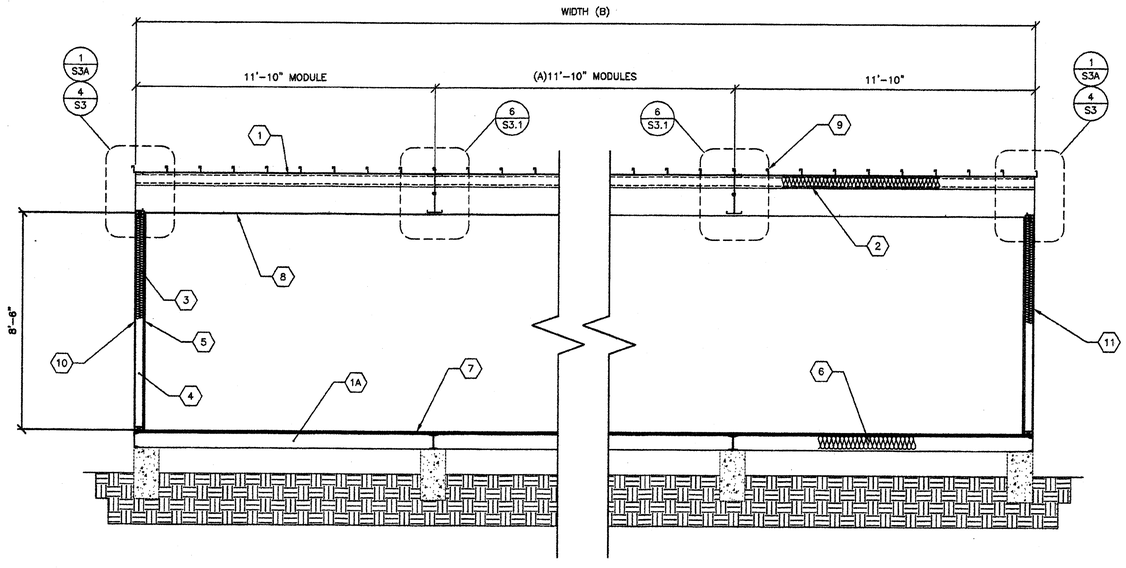


A / S7 TYP. LONGITUDINAL SECTION
3/8"=1'-0"



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

- KEY NOTES -

1. "Z" PURLINS @ 48" O.C
1A. STEEL "Z" FLOOR JOISTS @ 48" O.C.
2. R-19 INSULATION w/22 GA WIRE @ 16" O.C
3. INSULATION w/KRAFT PAPER
4. 2x STUDS PER ELEV, S5
5. VINYL FABRIC ON RIGID TACKABLE BACKING, 8'-6" PANELS
6. INSULATION w/KRAFT PAPER AND CHICKEN WIRE
7. 1 1/8" PLYWOOD FLOOR SHEATHING FOR ALT SEE SHEET S2, S2A, S2B,S2C
8. SUSPENDED T-BAR CEILING
9. METAL ROOF PANELS SEE ROOF FRAMING PLAN
10. TYPICAL PLYWOOD NAILING .131x2¼" GALV @ 6" O.C PANEL EDGES (ALL EDGES BLOCKED).131x2¼" GALV @ 12" O.C FIELD
11. EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS

- MODULE SCHEDULE -

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
55-112985
AC FLS SS
DATE SEP 24 2008

REVISIONS

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EXP. 3-31-09
Structural Engineer
STATE OF CALIFORNIA

LICENSED LANDSCAPE ARCHITECT
RANDALL PATRICK CAVANAUGH
No. C12637
Ren. 2-31-09
STATE OF CALIFORNIA

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PC 02-109695
AC FLS SS
DATE 3/23/2009

PROJECT No.

S7