1" = 40'-0" 120 80 40 0

1" = 30'-0" 90 60 30 0

1" = 20'-0" 60 40 20 0

1/8" = 1'-0" 24 16 8 0

1/4" = 1'-0" 12 8 4 0

PIONEER ELEMENTARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE
BAKERSFIELD, CA 93306

integrated designs by SOMAM, Inc.
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN · CONSTRUCTION MANAGEMENT
6011 N. Fresno, Suite 130 – Fresno, California 93710
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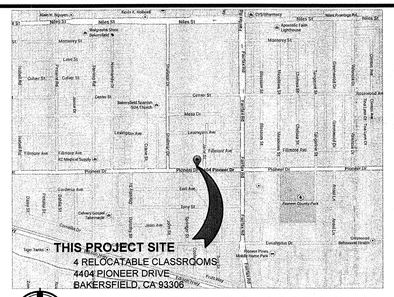
Revision:	Revision Description:	Rev. Date:	Revision:	Rev. Date:

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



4 RELOCATABLE 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 C.C.D., 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

SCOPE OF WORK

- RELOCATION OF (4) PORTABLE CLASSROOM BUILDINGS AND METAL RAMPS AND CONSTRUCTION OF UTILITY SERVICES ON AN EXISTING ELEMENTARY SCHOOL CAMPUS.
- CLASSROOMS TO BE RELOCATED FROM AN OFF-SITE STOCKPILE AND TO BE USED STRICTLY FOR TEMPORARY USE.
- CONSTRUCTION OF WOOD FOUNDATIONS FOR (3) PORTABLE BUILDINGS

SHEET INDEX

BUILDING DATA

OCCUPANCY = E
TYPE OF CONSTRUCTION = VB (NON-SPRINKLERED)

TEMP CLASSROOMS

NORTH:
2 CLASSROOMS @ 960 S.F. (24'x40') EA. = 1,920 S.F.

SOUTH:
2 CLASSROOMS @ 960 S.F. (24'x40') EA. = 1,920 S.F.

PER 2010 C.B.C. TABLE 503:
ALLOWABLE AREA = 9,500 S.F.

1,920 S.F. < 9,500 S.F. = OK

INSPECTOR OF RECORD

THIS PROJECT REQUIRES A CLASS 4 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 APRIL 24, 2012.

THE INSPECTOR SHALL BE EMPLOYED BY THE DISTRICT AND APPROVED BY THE RESPONSIBLE ARCHITECT.

APPLICABLE CODES:

COMPLY WITH PART 1, TITLE 24, 2010 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, 2010 CBC (2009 IBC, WITH CALIFORNIA AMENDMENTS).

TITLE 24, CCR, PART 3, 2010 CEC (2008 NEC, WITH CALIFORNIA AMENDMENTS).

TITLE 24, CCR, PART 4, 2010 CMC (2009 UMC, WITH CALIFORNIA AMENDMENTS).

TITLE 24, CCR, PART 5, 2010 CPC (2009 UPC, WITH CALIFORNIA AMENDMENTS).

TITLE 24, CCR, PART 6, 2010 CEC

TITLE 24, CCR, PART 9, 2010 CFC (2009 IFC, WITH CALIFORNIA AMENDMENTS).

TITLE 19, CCR.

NFPA 72, 2010 EDITION (AS PER CA AMENDMENTS)

CERTIFICATION STATUS

WORK PERFORMED UNDER DSA APPLICATION #03-113549, UPON WHICH THIS APPLICATION RELIES, TO BE COMPLETED AND CLOSED WITH CERTIFICATION PRIOR TO COMPLETION OF THIS PLAN SET'S SCOPE OF WORK.

THIS INCLUDES BUT IS NOT LIMITED TO ADA PARKING AND RESTROOM LOCATIONS.

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
☒ PORTABLE MANUFACTURER

SIGNATURE OF THE ARCHITECT/ENGINEER — DATE 1.7.14
NAME, TITLE, AFFILIATION
CURTIS FLYNN, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.

C-28966 — LICENSED NUMBER
05-31-15 — 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 / D 1 B / C — 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

(A) WINDOW SCHEDULE KEY
(1) KEYNOTE SCHEDULE KEY
(201) DOOR SCHEDULE KEY

Agency Approval Stamp:

FILE #: 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-115335
AC ME FLS PE SS EO
DATE JAN 08 2014
TRACKING #: 63321-131

Stamp(s):

LICENSED ARCHITECT CURTIS E. FLYNN No. C 28966 REN 8-31-15 STATE OF CALIFORNIA

Sheet Title: TITLE SHEET

Project Name & Address: PIONEER ELEMENTARY 4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

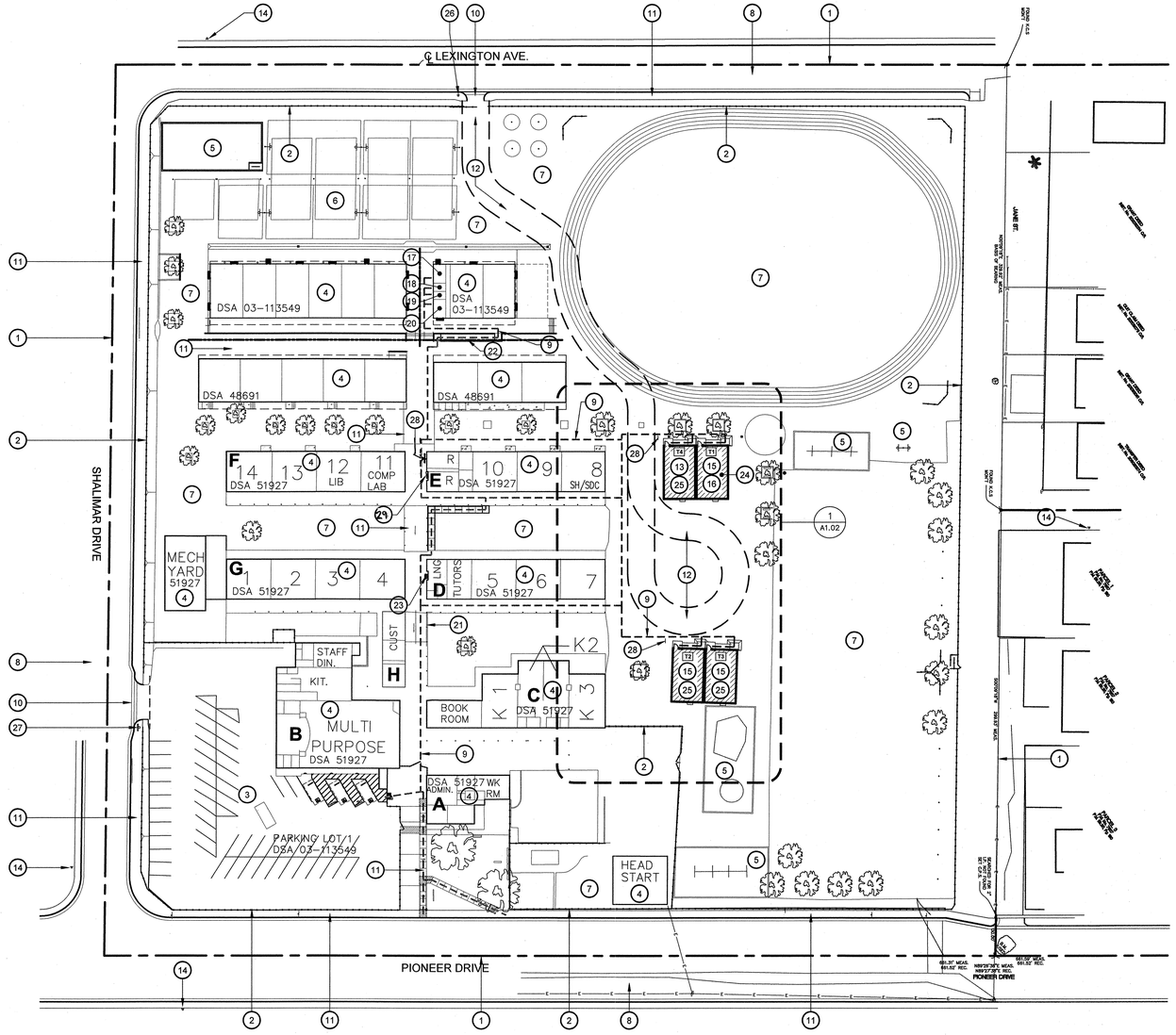
Issue Date:	Designer:	DR:	PC:
1	---	CJH	CJM
10/29/13			

Job No.: 5082

Sheet No.: T1.01

Release: -

SCANNED



SITE PLAN
4 RELOCATABLE CLASSROOMS

SCALE: 1" = 50'

KEYNOTES

1. PROPERTY LINE
2. EXISTING CHAIN LINK FENCE TO REMAIN
3. EXISTING PARKING LOT AND STRIPING TO REMAIN
4. EXISTING BUILDING TO REMAIN (NO WORK)
5. EXISTING PLAY AREA TO REMAIN (NO WORK)
6. EXISTING A.C. PAVING TO REMAIN
7. EXISTING LAWN / TURF TO REMAIN
8. EXISTING PUBLIC ROADWAY TO REMAIN
9. PROPOSED ACCESSIBLE PATH OF TRAVEL (P.O.T.) REFER TO ACCESSIBILITY NOTE ON SHEET A1.01
10. EXISTING DRIVE APPROACH TO REMAIN
11. EXISTING CONCRETE WALK TO REMAIN
12. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE
13. NEW TEMPORARY CLASSROOM ON WOOD FOUNDATION W/ METAL RAMPS INSTALLED PER MANUFACTURERS DRAWINGS
14. EXISTING FIRE HYDRANT TO REMAIN
15. EXISTING NON-CONFORMING CLASSROOMS TO BE CONSIDERED CONFORMING PER THIS APPLICATION
16. ROTATE EXISTING CLASSROOM 180° AND RESET FOUNDATION PER MANUFACURERS DRAWINGS
17. (E) ACCESSIBLE BOYS RESTROOM PER #03-113549
18. (E) ACCESSIBLE MENS RESTROOM PER #03-113549
19. (E) ACCESSIBLE WOMENS RESTROOM PER #03-113549
20. (E) ACCESSIBLE GIRLS RESTROOM PER #03-113549
21. EXISTING RAMP PER DSA APP #51927 w/ EXISTING HANDRAIL PER DSA APP #03-113549
22. EXISTING ACCESSIBLE RAMP PER DSA APP #03-113549
23. EXISTING DRINKING FOUNTAIN PER DSA APP #51927
24. FOUNDATION PER STOCKPILE #04-100596
25. NEW FOUNDATION PER PC #04-112161
26. EXISTING HYDRANT PER DSA APP #03-113549
27. EXISTING SITE ENTRANCE SIGN PER DSA APP #03-113549
28. ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE MOUNTED AT +80" MIN. ABOVE FINISH GRADE. SEE DETAIL 6/A1.03
29. NEW HI-LOW ACCESSIBLE DRINKING FOUNTAIN, SEE DETAIL 7/A1.03

PARKING LOT #1

TOTAL STALLS PROVIDED:	52
ACCESSIBLE STALLS REQUIRED PER CBC TABLE 11B-6:	3
VAN SPACES REQUIRED (1 PER 8 ADA):	1
ACCESSIBLE STALLS PROVIDED:	2 REGULAR 1 VAN 3 TOTAL

ACCESSIBILITY NOTES

ARCHITECT HAS INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER-FREE ACCESSIBLE ROUTE:

- AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE
- FREE OF ABRUPT LEVEL CHANGES EXCEEDING ¼" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING ¼"
- WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE
- WITH A RUNNING SLOPE OF 1:20 (5%) OR LESS AND WITH A CROSS SLOPE OF 1:50 (2%) OR LESS OR A RAMP WITH A RUNNING SLOPE OF 1:12 (8.33%) AND A CROSS SLOPE OF 1:50 (2%) WITH APPROPRIATE REQUIREMENTS AS DETAILED WITHIN THIS SET OF DOCUMENTS.
- IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE
- IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE

GENERAL NOTES

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

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 GENERAL CONTRACTOR CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK.

C. GENERAL 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. C.C.D.s 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 CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.

J. 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.

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

L. GENERAL CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MFGR.

M. THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFATCTURER'S DRAWINGS AND SPECIFICATIONS.

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

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

P. GENERAL/SITE CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINAMUM 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.

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

LOCAL FIRE AUTHORITY REVIEW

DSA-6-13 LOCAL FIRE AUTHORITY REVIEW — DSA Application #: 03-115335

School District: BAKERSFIELD CITY SCHOOL DISTRICT
Project Address: PIONEER ELEMENTARY
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Local Fire Authority: Must complete Sections 1- 7 as applicable to this project, and sign below. (Check Sections 1-7 per key.)

KEY: "YES" = Complies with LFA Requirements. "N/A" = Not applicable to this project.
"NR" = LFA elects not to review. No Check mark = Reviewed but not approved. Complete Section 7.

YES	N/A	NR	Elements
☐	☐	☐	1. Where an Ambulance does not meet medical emergency service cab size, per 2010 California Building Code, the Local Fire Authority approves the use of stairways for emergency rescue and patient transport.
☐	☐	☐	2. Access Roads, Fire Lane Markings, pavers and Gate Entrances are in accordance with Title 19, Calif. Code of Regulations & 2010 California Fire Code, Chapter 5.
☐	☐	☐	3. Fire Flow: Fire Hydrant location and flow has been complete with: ☐ 2010 CFC ☐ NFPA 1142 (Alternate Means). When NR is checked, DSA may require review of: on- site water storage as an alternate means. Signature of the School District Official is required to acknowledge use of NFPA 1142 as LFA alternate means.
☐	☐	☐	4. Automatic Fire Sprinkler System: The location(s) of the proposed Post Indicator Valve and Fire Dept. Connection meet the requirements of this jurisdiction.
☐	☐	☐	5. The location(s) of the Detector Check Valve Assembly meet the requirements of this jurisdiction.
☐	☐	☐	6. Is project located in a Hazard Severity Zone Area? (2010 CBC, Chapter 7A, Section 701A.3.1) Yes ☐ No ☐ If YES, check (check one): Moderate ☐ High ☐ Very High ☐ WFA ☐ (If one of these boxes is checked, items will have to meet requirements of Chapter 7A)

7. COMMENTS: Note Deficiencies

8. LOCAL FIRE AUTHORITY INFORMATION:
AGENCY NAME (Print): Kern County Fire Department
ADDRESS (Print): 5642 Victors St.
CITY/STATE/ZIP: Bakersfield, CA
PHONE NUMBER (Print): (661) 862-5007 e-mail:

Completion of Sections 1-7 (including school district representative signature on line 3 if alternate means required) and Section 8 below signifies that the Local Fire Authority has reviewed the listed items for this project. Items not checked or marked NR will be reviewed by the DSA.
Must only sign the DSA-610 when imaged onto the site plan. Loose form not acceptable to DSA.

SIGNED BY: (Print name) (Signature) (Date)
BY/TITLE (Print):

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES NEW TEMPORARY BUILDING UNDER THIS APPLICATION
- INDICATES FIRE TRUCK ACCESS OVER AC PAVING
- HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL

integrated designs by SOMAM, Inc.
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN · CONSTRUCTION MANAGEMENT
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Phone (559) 436-0881 Fax (559) 436-0887 E-Mail: design@somam.com
www.integratedassigns.com

Revision:	Revision Description:	Rev. Date:

Sheet Title: SITE PLAN

Project Name & Address: PIONEER ELEMENTARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Issue Date:	Date:	Designer:	DR:	PC:
1	10/29/13	--	--	CJM

Agency Approval Stamp:

FILE #: 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-115335
AC MF FLS PL SS ED
DATE JAN 08 2014
TRACKING #: 63321-131

Stamp(s):

LICENSED ARCHITECT CURTIS E. LYNCH No. C 28966 REN. 5-31-15 STATE OF CALIFORNIA

Job No.: 5082

Sheet No.: A1.01

Release: -

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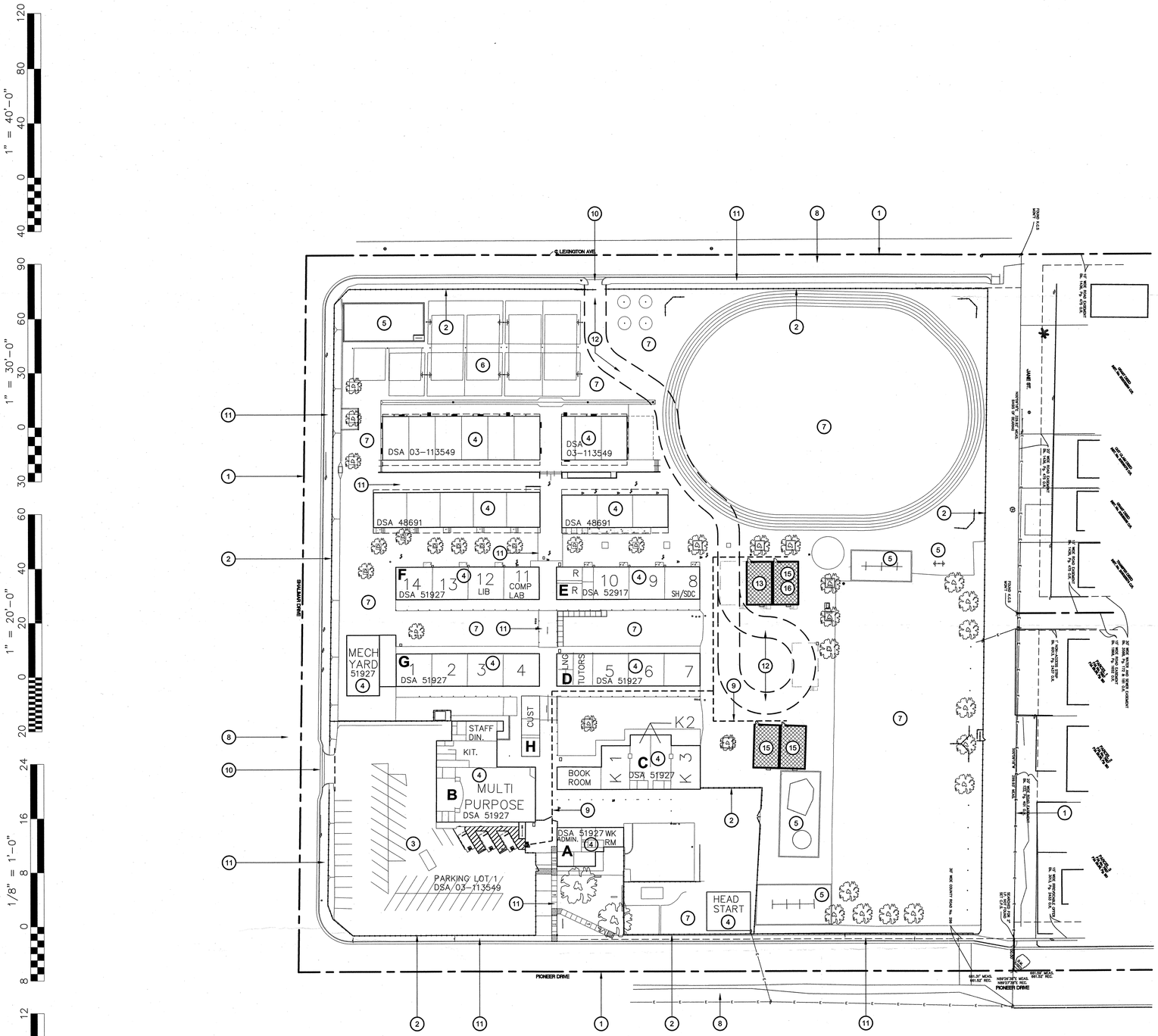

SITE PLAN

4 RELOCATABLE CLASSROOMS

SCALE: 1" = 50'

KEYNOTES

1. PROPERTY LINE
2. EXISTING CHAIN LINK FENCE TO REMAIN, VERIFY 10" MIN. HIGH SMOOTH SURFACE ON LOWER POTION OF PUSH SIDE
3. EXISTING PARKING LOT AND STRIPPING TO REMAIN
4. EXISTING BUILDING TO REMAIN (NO WORK)
5. EXISTING PLAY AREA TO REMAIN (NO WORK)
6. EXISTING AC-PAVING TO REMAIN
7. EXISTING LAWN / TURF TO REMAIN
8. EXISTING PUBLIC ROADWAY TO REMAIN
9. PROPOSED ACCESSIBLE PATH OF TRAVEL (P.O.T.) REFER TO ACCESSIBILITY NOTE ON SHEET A1.01
10. EXISTING DRIVE APPROACH TO REMAIN
11. EXISTING CONCRETE WALK TO REMAIN
12. PROPOSED 20' WIDE FIRE TRUCK ACCESS LANE
13. NEW TEMPORARY CLASSROOM ON WOOD FOUNDATION W/ METAL RAMPS INSTALLED PER MANUFACTURES DRAWINGS
14. EXISTING FIRE HYDRANT TO REMAIN
15. EXISTING NON-CONFORMING CLASSROOMS TO BE CONSIDERED CONFORMING PER THIS APPLICATION
16. ROTATE EXISTING CLASSROOM 180° AND RESET FOUNDATION PER MANUFACURES DRAWINGS

GENERAL NOTES

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

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 GENERAL CONTRACTOR CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK.

C. GENERAL 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 CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.

J. 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.

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

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

M. THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFATCTURER'S DRAWINGS AND SPECIFICATIONS.

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

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

ACCESSIBILITY NOTES

ARCHITECT HAS INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER-FREE ACCESSIBLE ROUTE:

- AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE
- FREE OF ABRUPT LEVEL CHANGES EXCEEDING ¼" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING ½"
- WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE
- WITH A RUNNING SLOPE OF 1:20 (5%) OR LESS AND WITH A CROSS SLOPE OF 1:50 (2%) OR LESS OR A RAMP WITH A RUNNING SLOPE OF 1:12 (8.33%) AND A CROSS SLOPE OF 1:50 (2%) WITH APPROPRIATE REQUIREMENTS AS DETAILED WITHIN THIS SET OF DOCUMENTS.
- IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE
- IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE

LOCAL FIRE AUTHORITY REVIEW

DSA-419 LOCAL FIRE AUTHORITY REVIEW — DSA Application #: 03-

School District: BAKERSFIELD CITY SCHOOL DISTRICT

Project address: PIONEER ELEMENTARY
4404 PIONEER DRIVE BAKERSFIELD, CA

Local Fire Authority is to complete Sections 1-7 as applicable to this project, and sign below. (Check Sections 1-5 per key.)

KEY: "YES" = Complies with LFA Requirements; "N/A" = Not applicable to this project; "NR" = LFA elects not to review; No Check mark = Reviewed but not approved. Complete Section 7

YES	N/A	NR	
1. ☐	☑	☐	**Elevators** — Where an Elevator does not meet medical emergency service cab size, per 2010 California Building Code, the Local Fire Authority approves the use of stairways for emergency rescue and patient transport.
2. ☑	☐	☐	**Access Roads** — Access Roads, Fire Lane Markings, pavers and Gate Entrances are in accordance with Title 19, Calif. Code of Regulations & 2010 California Fire Code, Chapter 5.
3. ☐	☐	☐	**Fire Flow** — Fire hydrant location and distribution complies with ☐ 2010 CFC ☐ NFPA 1142 (Alternate Means). When NR is checked, DSA can only review on -site water storage as an alternate means. Signature of the School District Official is required to acknowledge use of NFPA 1142 as LFA alternate means:

SIGNATURE of SCHOOL DISTRICT OFFICIAL: _____ (Sign and Print name and Title) (Date)

4. ☐	☑	☐	**Automatic Fire Sprinkler Systems.** The location(s) of the proposed Post Indicator Valve and Fire Dept. Connection meet the requirements of this jurisdiction.
5. ☐	☑	☐	The location(s) of the Detector Check Valve Assembly meet the requirements of this jurisdiction.
6. ☐	☑	☐	**Is project located in a Hazard Severity Zone Area?** (2010 CBC, Chapter 7A, Section 701A.3.1) Yes ☐ No ☑ If YES, Type (check one): Moderate ☐ High ☐ Very High ☐ WUI'A ☐ (If one of these boxes is checked plans will have to meet requirements of Chapter 7A)

7. **COMMENTS:** Note Deficiencies: _____

8. **LOCAL FIRE AUTHORITY INFORMATION:**

AGENCY NAME (Print): Kern County Fire Department
ADDRESS (Print): 5642 Victors St.
CITY/STATE/ZIP (Print): Bakersfield, CA
PHONE NUMBER (Print): (661) 862-5007 e-mail: mnicholas@co.kern.ca.us

Completion of lines 1-7 (including school district representative signature on line 3 if alternate means required) and LFA signature below signifies that the Local Fire Authority has reviewed the listed items for this project.
Items not checked or marked NR will be reviewed by the DSA.
Note: Only sign the DSA-612 when imaged onto the site plan. Lenses forms not acceptable to DSA

REVIEWED BY: Michael Nicholas (Print name) Michael Nicholas (Signature) 6/25/13 (Date)
RANK/TITLE (Print): Engineer

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES NEW TEMPORARY BUILDING UNDER THIS APPLICATION
- INDICATES EXISTING CONCRETE WALK TO REMAIN
- INDICATES EXISTING FIRE TRUCK ACCESS OVER AC PAVING
- HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL

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

Sheet Title: SITE PLAN

Project Name & Address: PIONEER ELEMENTARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA

Issue Date:	Date:	Designer:	DR:	PC:
-	06/25/13	--	--	CJM

Agency Approval Stamp:

FILE #: 15–6
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03–113549
AC MF FLS SS
DATE JAN 08 2014
TRACKING #: 63321–151

Stamp(s):

LICENSED ARCHITECT CURTIS E. FLYNN No. C 28966 REN. 08-31-13 STATE OF CALIFORNIA

Job No.: 5082

Sheet No.: A1.01

Release: - LFA

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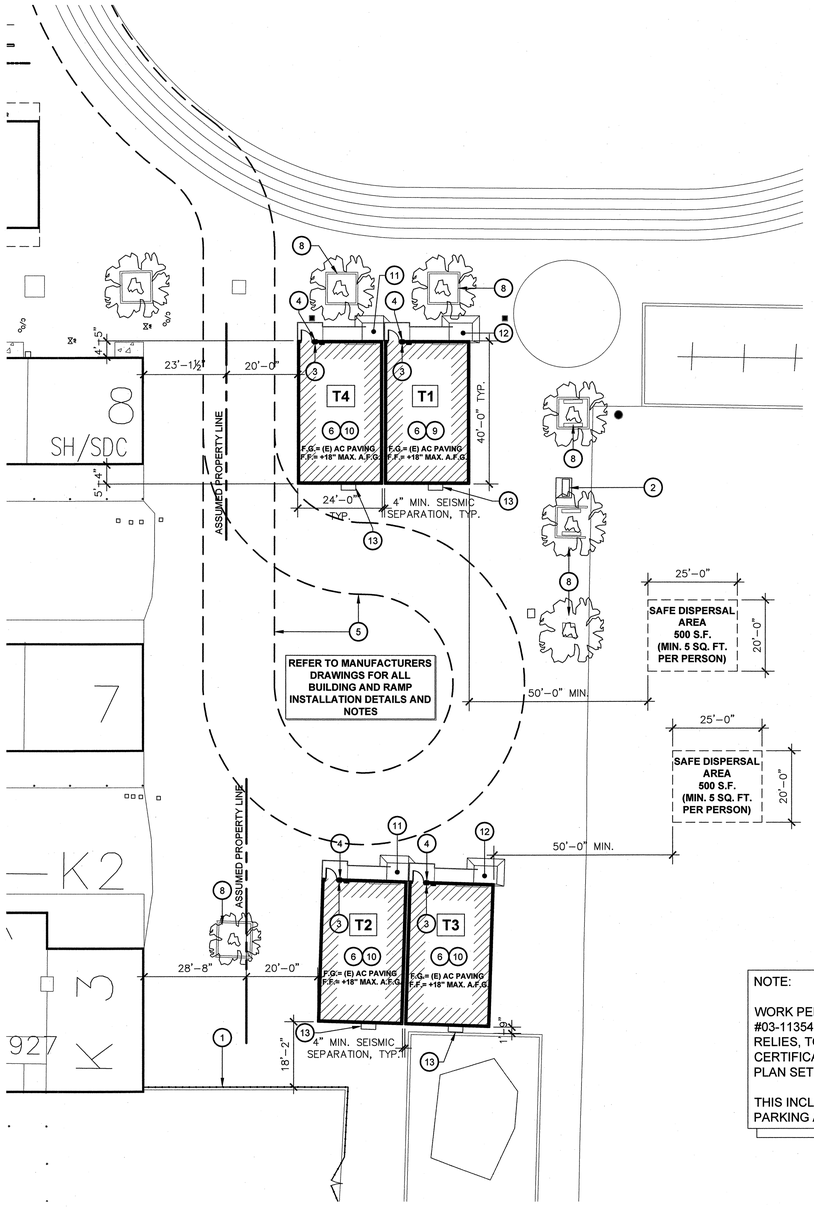

NOTE:

WORK PERFORMED UNDER DSA APPLICATION #03-113549, UPON WHICH THIS APPLICATION RELIES, TO BE COMPLETED AND CLOSED WITH CERTIFICATION PRIOR TO COMPLETION OF THIS PLAN SET'S SCOPE OF WORK.

THIS INCLUDES BUT IS NOT LIMITED TO ADA PARKING AND RESTROOM LOCATIONS.

ENLARGED SITE PLAN

4 RELOCATABLE CLASSROOMS

SCALE: 1" = 20'

KEY NOTES

1. EXISTING CHAIN LINK FENCE AND GATE TO REMAIN
2. EXISTING ELECTRICAL ENCLOSURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFO
3. NEW TACTILE EXIT SIGN PER DETAIL 2/A1.03
4. NEW ROOM IDENTIFICATION AND ISA SIGNAGE, REFER TO DETAILS 3, 4/A1.03
5. PROPOSED TEMP. 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC PAVING, APPROVED BY THE LOCAL JURISDICTION.
6. NEW TEMPORARY PORTABLE BUILDINGS ON RAISED WOOD FOUNDATIONS WITH METAL RAMP SUPPLIED BY MANUFACTURER. OWNER TO REMOVE ALL INTERFERING PLAY EQUIPMENT WHERE APPLICABLE.
7. NEW 6' HIGH CHAIN LINK FENCE W/ 48" WIDE CHAIN LINK GATE
8. EXISTING TREE AND PLANTER TO REMAIN
9. FOUNDATION PER STOCKPILE #04-100596
10. NEW FOUNDATION PER PC #04-112161
11. NEW RAMP TRANSITION PER 18/R1.02
12. NEW RAMP TRANSITION PER 19/R1.02
13. CONTRACTOR SHALL PROVIDE AND INSTALL AN 18ga GALV. SHT. MTL. SHROUD AT BOTTOM EDGE OF HVAC UNIT. SHROUD TO EXTEND TO FINISH FLOOR HEIGHT OF CLASSROOM, +27" MAX. ABOVE FINISH GRADE. FURNISH SHROUD TO FULLY ENCLOSE ALL (3) SIDES BELOW HVAC UNIT AND PROVIDE BOTTOM CLOSURE PANEL. PAINT.

GENERAL NOTES

A. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:

IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A C.C.D. OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

*PER DSA IR 16-1, SEC. 5.4

B. CONTRACTOR SHALL ADJUST ALL DOOR CLOSERS TO A MAXIMUM OPENING FORCE OF 5 LBF

SERIAL NUMBER SCHEDULE

CLSRM	STKP #	SERIAL #
T1	04-100596 (37)	35627 / 35628
T2	04-102365 (53)	47140 / 47141
T3	04-102365 (53)	56118 / 56119
T4	55347 (23)	07779 / 07780

SAFE DISPERAL

TEMP CLASSROOMS (GROUP 1)

2 CLASSROOMS @ 960 S.F. (24'x40') EA. = 1,920 S.F.

1,920 S.F. / 20 S.F. PER OCCUPANT = 96 OCCUPANTS
96 OCCUPANTS x 5 S.F. / OCCUPANT = 480 S.F. REQ'D
500 S.F. PROVIDED = OK

TEMP CLASSROOMS (GROUP 2)

2 CLASSROOMS @ 960 S.F. (24'x40') EA. = 1,920 S.F.

1,920 S.F. / 20 S.F. PER OCCUPANT = 96 OCCUPANTS
96 OCCUPANTS x 5 S.F. / OCCUPANT = 480 S.F. REQ'D
500 S.F. PROVIDED = OK

LEGEND

- INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
- INDICATES NEW TEMPORARY RELOCATABLE BUILDING
- HALF-TONE DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL

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

Sheet Title: ENLARGED SITE PLAN

Project Name & Address: PIONEER ELEMENTARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Issue Date: 1 | Date: 10/29/13 | Designer: -- | DR: -- | PC: CJM

Agency Approval Stamp:

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OFFICE OF REGULATION SERVICES
03-115335
AC HF FLS FC SS ED
DATE JAN 0 8 2014
TRACKING #: 63321-131

Stamp(s):

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

Job No.: 5082

Sheet No.: A1.02

Release: -

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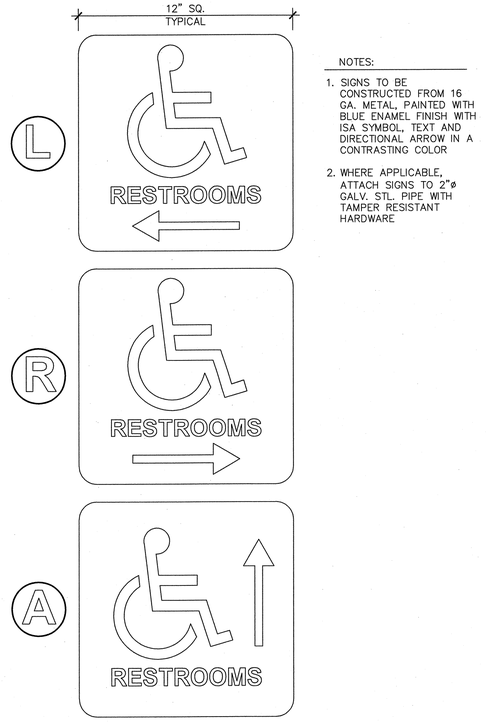


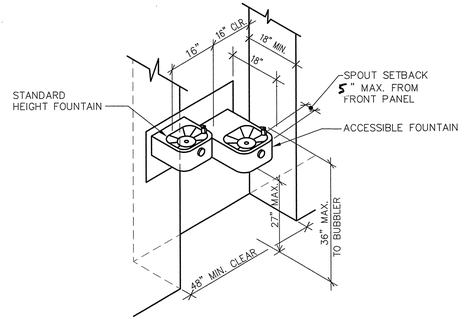
NOTES:

1. SIGNS TO BE CONSTRUCTED FROM 16 GA. METAL, PAINTED WITH BLUE ENAMEL FINISH WITH ISA SYMBOL, TEXT AND DIRECTIONAL ARROW IN A CONTRASTING COLOR
2. WHERE APPLICABLE, ATTACH SIGNS TO 2"ø GALV. STL. PIPE WITH TAMPER RESISTANT HARDWARE

SIGNAGE TO COMPLY WITH CBC 1117B.5.1.2

6 A1.03 ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE

ADA100-04 SCALE: 1' = 1'-0"

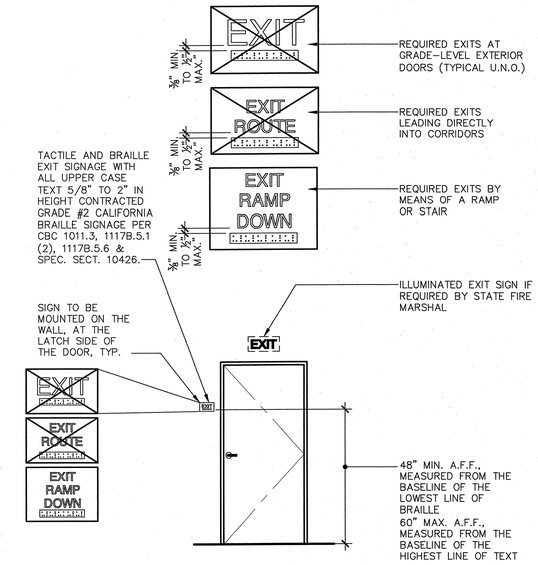


7 A1.03 HI-LOW DRINKING FOUNTAIN - ALCOVE

ADA000-15 SCALE: 1/2" = 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

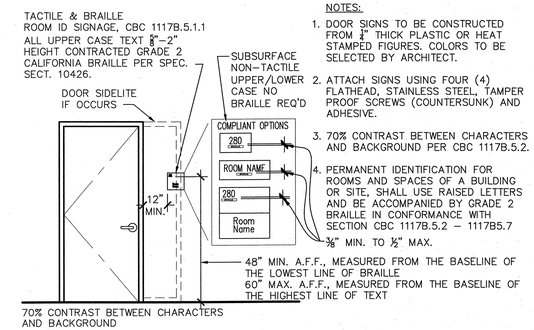


2 A1.03 TYPICAL EXTERIOR DOOR SIGNAGE

ADX200-01 SCALE: 1' = 1'-0"

NOTES:

1. DOOR SIGNS TO BE CONSTRUCTED FROM 1" 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 CBC 1117B.5.2.
4. PERMANENT IDENTIFICATION FOR ROOMS AND SPACES OF A BUILDING OR SITE, SHALL USE RAISED LETTERS AND BE ACCOMPANIED BY GRADE 2 BRAILLE IN CONFORMANCE WITH SECTION CBC 1117B.5.2 – 1117B5.7

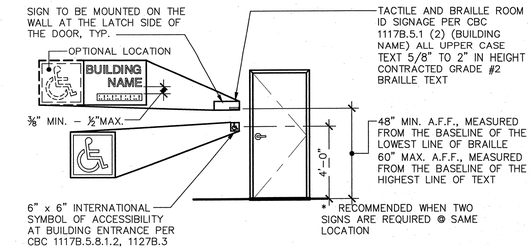


3 A1.03 ROOM ID SIGNAGE

ADX100-01 SCALE: N.T.S.

NOTES:

1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER CBC 1117B.5.2.
4. ISA SYMBOL CAN ALSO BE PLACED ON DOOR. THE LOCATION IS NOT REGULATED.



4 A1.03 BUILDING ENTRANCE/I.S.A. SIGNAGE

ADA100-01 SCALE: 1' = 1'-0"

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Revision:	Revision Description:	Rev. Date:

Sheet Title: SITE DETAILS

Project Name & Address: PIONEER ELEMENTARY 4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DRIVE BAKERSFIELD, CA 93306

Issue Date:	Date:	Designer:	DR:	PC:
–	10/29/13	–	–	CJM

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LICENSED ARCHITECT CURTIS E. LYNN No. C 28966 REN: 8-31-15 STATE OF CALIFORNIA

Job No.: 5082

Sheet No.: A1.03

Release: -

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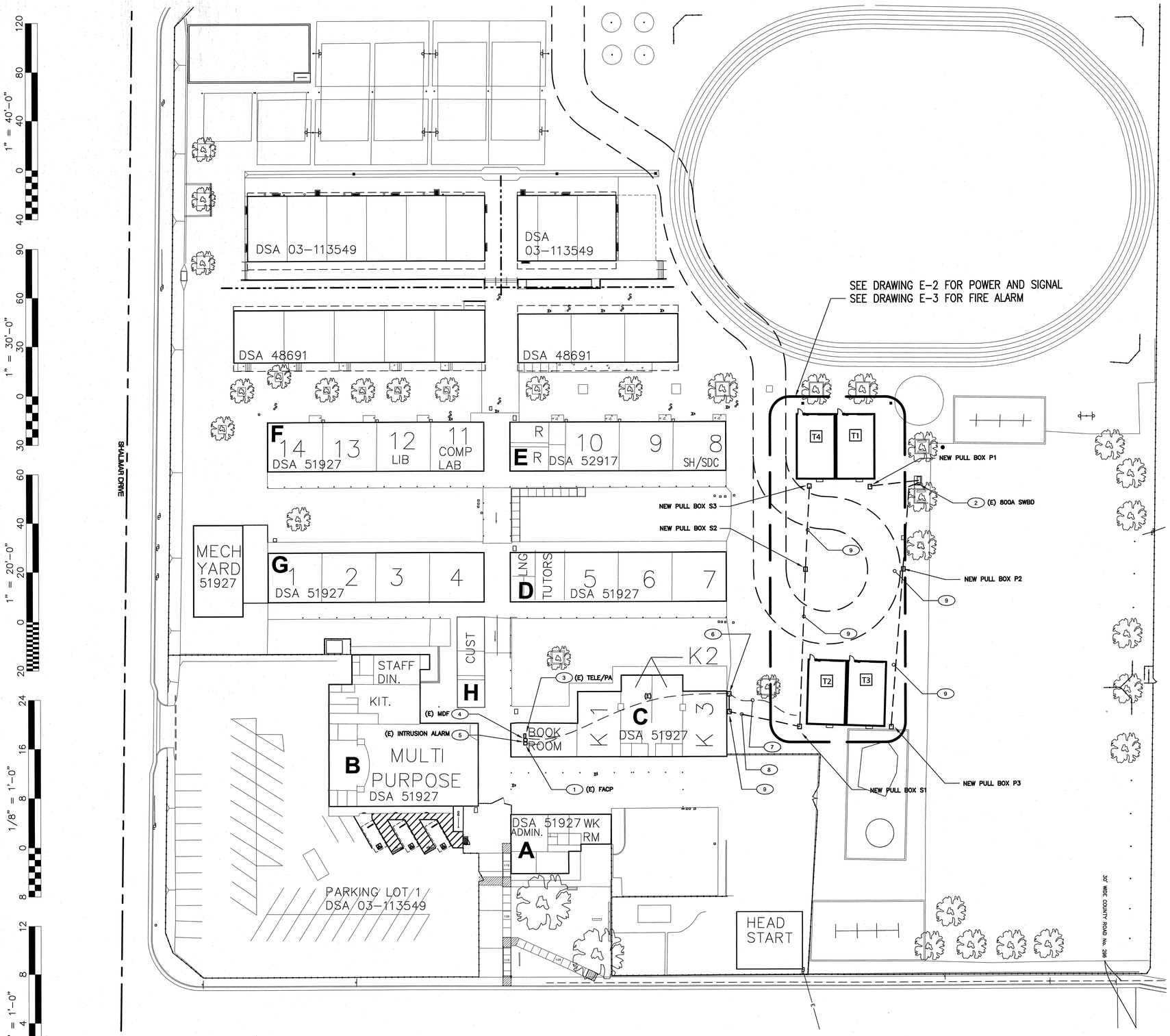

SITE PLAN - ELECTRICAL

4 RELOCATABLE CLASSROOMS

SCALE : 1" = 30' - 0"

SHEET NOTES

1. APPROXIMATE LOCATION FOR EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL TO REMAIN. PROVIDE CONNECTION TO NEW FIRE ALARM DEVICES PER PLANS. UPDATE NEW FIRE ZONE MAP AND PROGRAM NEW DEVICES INFORMATION, MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUITS, AND FACP STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
2. APPROXIMATE LOCATION FOR EXISTING POWER DISTRIBUTION PANEL. PROVIDE NEW FEEDERS AND POWER CONNECTION FOR NEW RELOCATABLE CLASSROOM BUILDINGS PER PLANS. SEE SINGLE LINE DIAGRAM.
3. APPROXIMATE LOCATION FOR EXISTING PA/IC/TELEPHONE EQUIPMENT IN ADMIN OFFICE. REUSE EXISTING ABANDON CABLE AND CONNECTION FOR NEW SIGNAL DEVICES PER PLANS.
4. APPROXIMATE LOCATION FOR EXISTING COMPUTER MDF SERVER EQUIPMENT IN ADMIN OFFICE. REUSE EXISTING ABANDON FO CABLE AND PROVIDE CONNECTION FOR NEW DATA DEVICES PER PLANS.
5. PROPOSE TO REUSE ABANDON SIGNAL CABLE FOR NEW BUILDING FA TELE/PA/IC SECURITY AND DATA NEW DEVICES CONNECTION. FIELD VERIFY AND TEST CABLE BEFORE START WORKING. REPORT TO OWNER AND ENGINEERS FOR ANY CABLE DAMAGE ARE FOUND.
6. INTERCEPT EXISTING AERIAL SIGNAL CABLE ON ROOF WITH A NEW 24"x24"x6" NEMA3R PULL CAN. REMOVE OVERHEAD RISER AS REQUIRED. FIELD VERIFY LOCATION.
7. EXISTING AERIAL SIGNAL CABLE, PROPOSE TO REUSE AND RE PULL INSIDE NEW CONDUIT RACEWAY PER PLANS. FIELD VERIFY LOCATION AND TEST ALL CABLE AS REQUIRED, REPORT TO OWNER AND ENGINEER FOR ANY CABLE DAMAGE PRIOR TO START WORKING.
8. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL NEW UNDERSGROUND CONDUITS. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.
9. NEW SIGNAL TC ON EXTERIOR WALL. SEE DRAWING E-2 & E-3 FOR MORE INFORMATION.

__ (E) __ __ INDICATE EXISTING CONDUIT AND WIRING. FOR REFERENCE ONLY, FIELD VERIFY AS REQUIRED.

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

Sheet Title: SITE PLAN - ELECTRICAL

Project Name & Address:
PIONEER ELEMENTRARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DR., BAKERSFIELD, CA

Issue Date:	Designer:	DR:	PC:
00/00/13	J CHONG	J CHONG	CJM
Date: 06/02/13			

Agency Approval Stamp:

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AC ___ FLS FC SS ED
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CURTIS E. FLYNN
No. C 28966
REN. 5-31
STATE OF CALIFORNIA

Job No.: 5082

Sheet No.: E-1

Release:

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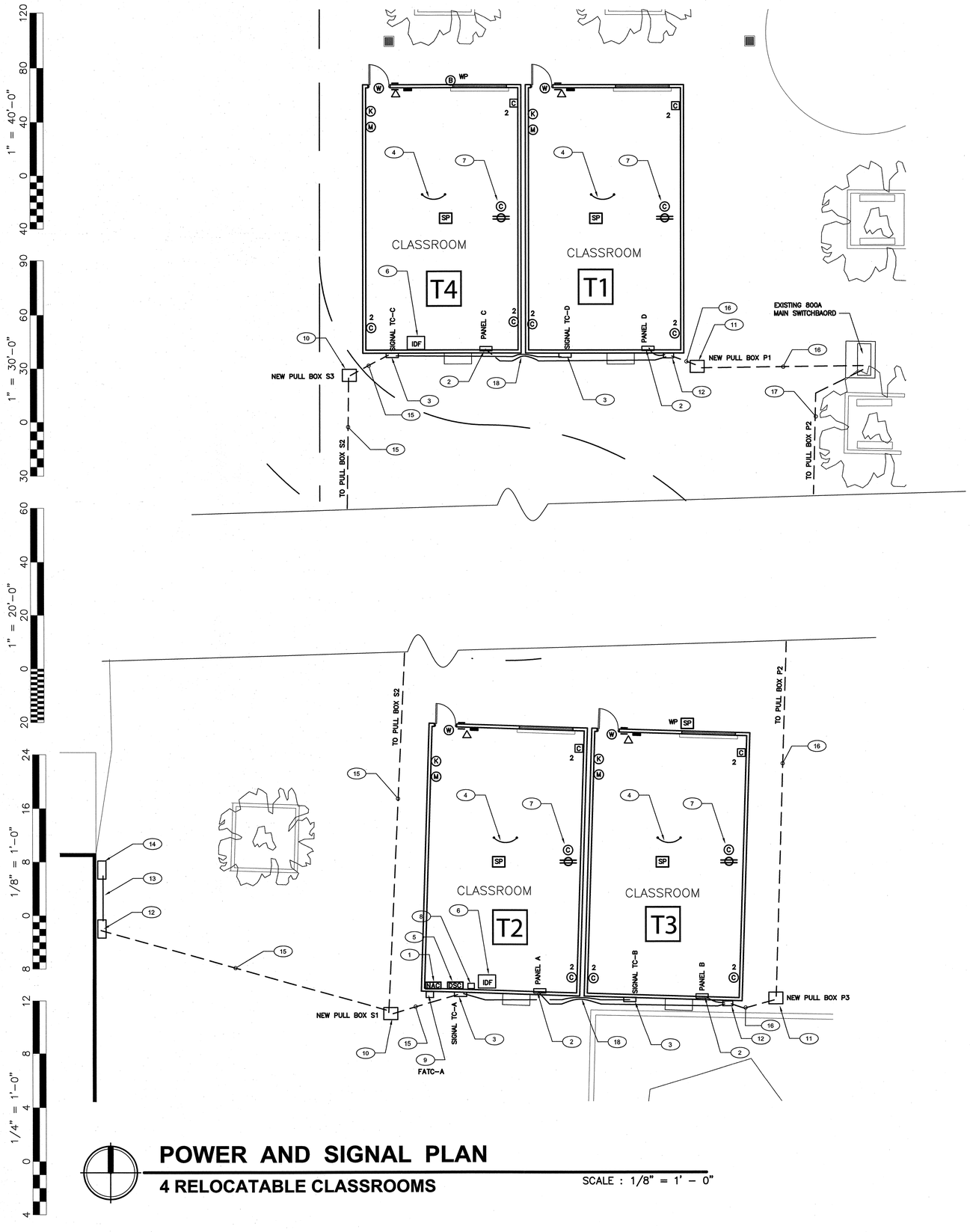
REGISTERED PROFESSIONAL ENGINEER
JOHN S. CHONG
E 14419
Exp.6/30/2014
ELECTRICAL
STATE OF CALIFORNIA

7/7/2013 3:44:28 PM



POWER AND SIGNAL PLAN

4 RELOCATABLE CLASSROOMS

SCALE : 1/8" = 1' – 0"

SIGNAL AND COMM. LEGEND

SECURITY ALARM SYSTEM

- DSC — DIGITAL SECURITY ALARM CONTROL PANEL. MODEL SONITROL (64ZONE). INTERFACE WITH EXISTING BUILDING MASTER SECRITY ALARM PANEL AS REQUIRED.
- (K) — LCD KEYPAD – MATCH EXISTING EQUIPMENT AS REQUIRED.
- (M) — DUAL TECHNOLOGY CEILING MOUNT DETECTOR. MATCH EXISTING EQUIPMENT AS REQUIRED.
- (B) — EXTERIOR BELL (SIREN) – DSC#SD15W WITH WEATHERPROOF BACKBOX AND TAMPER SWITCH.
- (W) — DOOR CONTACT SWITCH. RECESS ABOVE DOOR JAMB AT OPEN SIDE.
- —B— INDOOR SECURITY ALARM CABLE. WEST PENN #241
- —B1— OUTDOOR SECURITY ALARM CABLE. WEST PENN #AQC224

COMMUNICATION (TELEPHONE/INTERCOM) SYSTEM

- ▽ — HANDSET/IP PHONE – FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
- SP — CEILING SPEAKER – RAULAND #SS2221 W/AOC1000 BAFFLE. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED
- SP^WP — OUTDOOR SPEAKER – ATLAS #APF15 HORN W/XFWR AND LOWELL #C384 FOR SURFACE, #P875X FOR RECESS) BACK BOX W/SQLK GRILL
- —T— OUTDOOR TELE/IC CABLE 22AWG SOILD COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED) CABLE.
- —T1— INDOOR TELEPHONE CABLE. CAT.3 22AWG SOILD COPPER 4UTP SHIELDED CABLE.
- —P1— OUTDOOR PA/IC CABLE – WEST PENN #AQC–369

DATA COMMUNICATION SYSTEM

- (C)2 — DATA OUTLET – LEVITON CAT 5E (DUAL RECEPTACLE RED IN COLOR FOR ADMINISTRATIVE)
- (C)2 — DATA OUTLET – LEVITON CAT 5E (DUAL RECEPTACLE BLUE IN COLOR FOR INSTRUCTIONAL)
- —FO— FIBER OPTIC CABLE VIA INNER DUCT WITH J-HOOK IN ATTIC AND 2"C FOR OUTDOOR. SEE RISER DIAGRAM FOR MODEL NO.
- —C1— (ONE) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.
- —C2— (TWO) CAT 5E 22AWG 4UTP. SEE RISER DIAGRAM FOR MODEL NO.

NOTES:

1. ALL SIGNAL CONDUCTORS CANNOT SPLICE INSIDE PULL BOX. CONDUCTOR MUST BE CONTINUE RUN BETWEEN SIGNAL DEVICES BACK BOX OR ABOVE GROUND TERMINAL CABINET.

SHEET NOTES

1. NEW FIRE ALARM DISTRIBUTED POWER MODULE, PROVIDE 110V DEDICATE CIRCUIT AND CONNECTION FROM PANEL D. PROVIDE LOCKING DEVICE ON CIRCUIT BREAKER. SEE DRAWING E–3 FOR MORE INFORMATION.
2. PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE–WIRED PANEL. SEE SINGLE LINE DIAGRAM ON DRAWING E–4.
3. PROVIDE NEW SIGNAL TC, 24"x24"x8"D, NEMA3R, SURFACE MOUNT ON EXTERIOR AT +24"AFF. PROVIDE (2) 2"C EMT AND STUB INTO BUILDING CEILING CAVITY WITH LB ELBOW FOR SIGNAL WIRING RACEWAY. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED. PULL BACK PA/IC/TELE CABLE TO BOOK ROOM MASTER EQUIPMENT FOR NEW DEVICES CONNECTION. SEE RISER DIAGRAMS.
4. PROVIDE #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM, FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
5. NEW SECURITY ALARM PANEL AND SYSTEM, PROVIDE 110V POWER CONNECTION AND INTERCONNECTION TO (E) MASTER EQUIPMENT IN ADMIN OFFICE. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
6. NEW IDF AND CABINET SURFACE MOUNTED BELOW CEILING. PROVIDE 110V POWER CONNECTION, DATA SWITCH, FO CABLE AND DATA CABLE PATCH PANEL FOR NEW DATA OUTLET CONNECTION. PROVIDE FO CABLE TO (E) MDF IN ADMIN OFFICE FOR INTERCONNECTION. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
7. DATA AND POWER OUTLET AT CEILING FOR SMART BOARD. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM.
8. PROVIDE 50 PAIR PUNCH DOWN BLOCK AND SURFACE MOUNTED BELOW CEILING FOR INTERCOM / TELEPHONE WIRING TERMINATION.
9. PROVIDE NEW FA PULL CAN, SEE DRAWING E–3 FOR MORE INFORMATION.
10. PROVIDE NEW CHRISTY N40 SIGNAL PULL BOX. AND NEW UNDERGROUND CONDUITS AND WIRING, SEE SIGNAL RISER DIAGRAMS.
11. PROVIDE NEW CHRISTY N40 POWER PULL BOX. AND NEW UNDERGROUND CONDUITS AND WIRING, SEE SINGLE LINE DIAGRAM.
12. 24"x24"x8" NEMA3R NEW PULL CAN SURFACE MOUNTED ON EXTERIOR WALL AT +24" AFF. INSTALL NEW CONDUITS AND WIRING PRE SINGLE LINE DIAGRAMS. PROVIDE FIBER OPTIC CABLE SPLICE PANEL, 50 PAIR PUNCH DOWN BLOCK, FA TERMINAL STRIP AND DIVIDER INSIDE TC.
13. NEW (2)2" EMT CONDUIT RACEWAY ON EXTERIOR WALL FOR EXISTING AERIAL SIGNAL CABLE RE PULL. PROVIDE UNISTRUT FOR MOUNTING.
14. INTERCEPT EXISTING AERIAL SIGNAL CABLE RISER AND INSTALL SIGNAL TC WITH NEW CONDUITS RACEWAY PER PLANS. FIELD VERIFY LOCATION. PROVIDE UNISTRUT FOR SUPPORT.
15. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL (2)2"C FOR SIGNAL SYSTEM AND (1) 1 1/2"C FOR FA PRE PLANS.
16. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL (2)2"C FOR POWER FEEDERS PRE PLANS.
17. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL (4)2"C FOR POWER FEEDERS PRE PLANS.
18. PROVIDE WP FLEX CONDUIT BETWEEN BUILDING AS REQUIRED.

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

Sheet Title: POWER AND SIGNAL PLAN

Project Name & Address:
PIONEER ELEMENTRARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DR., BAKERSFIELD, CA

Issue Date:	Date:	Designer:	DR:	PC:
00/00/13	06/02/13	J CHONG	J CHONG	C.M

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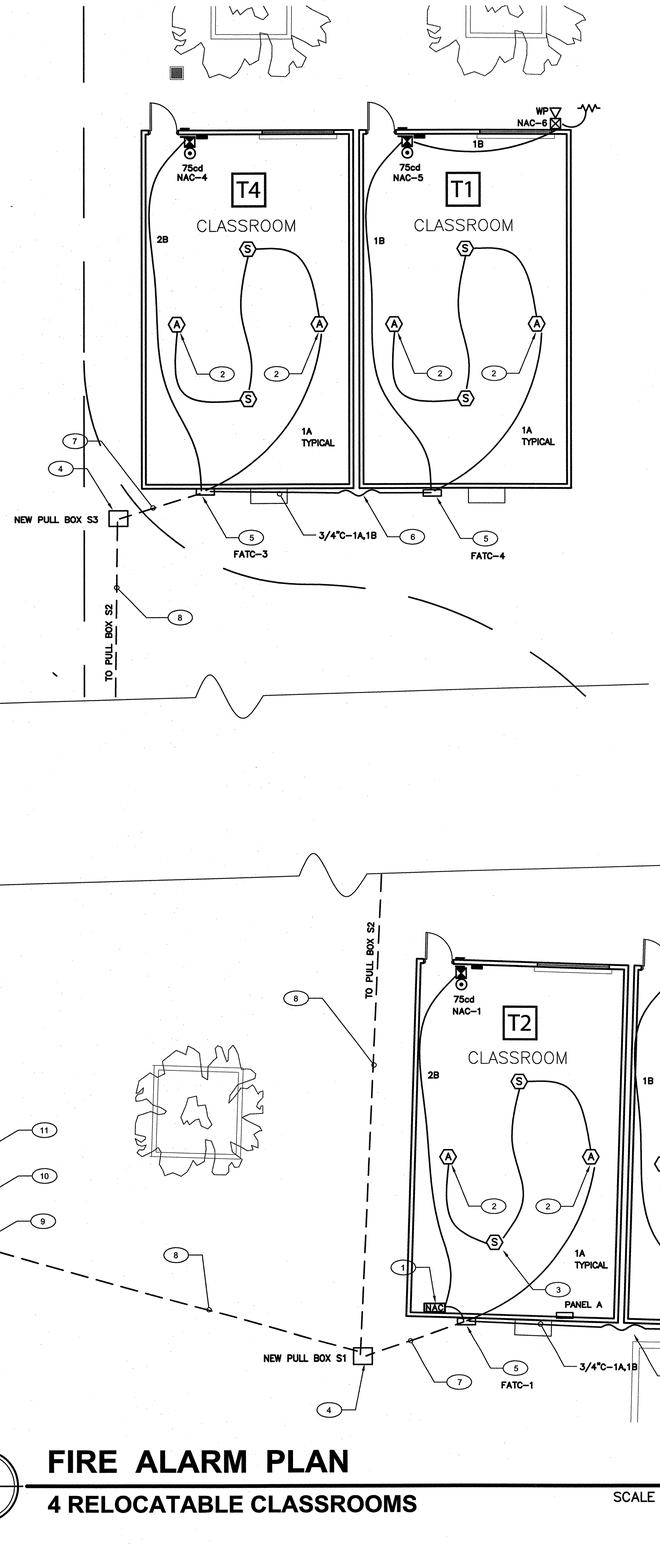
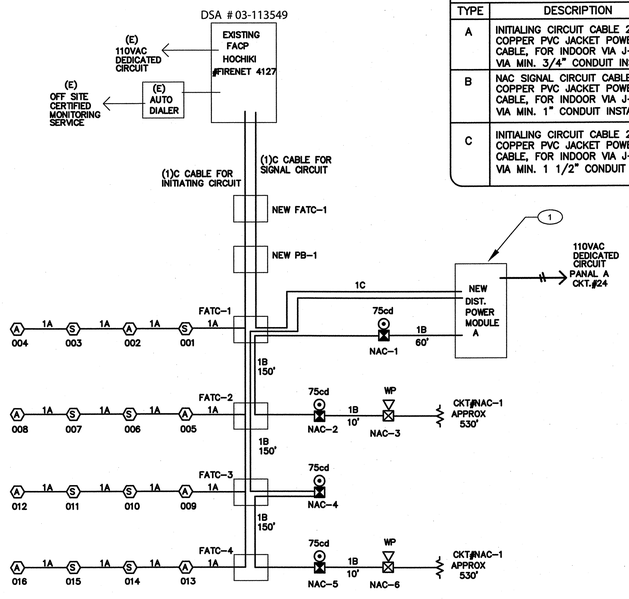


FIRE ALARM PLAN

4 RELOCATABLE CLASSROOMS

SCALE : 1/8" = 1' – 0"



NOTES:

1. RISER DIAGRAM IS DIAGRAMMATIC. SEE FIRE ALARM FLOOR PLAN AND FIELD VERIFY EXACT ROUTING AS REQUIRED.
2. ALL INTERIOR FIRE ALARM CONDUCTORS ARE INSTALLED IN EMT CONDUIT AND CONCEAL ABOVE CEILING OR INSIDE WALL WITH 3/4"C.
3. FIRE ALARM CONDUCTOR CANNOT SPLICE INSIDE PULL BOX. CONDUCTOR MUST BE CONTINUE RUN BETWEEN FIRE ALARM DEVICES BACK BOX OR TERMINAL CABINET.

1 FIRE ALARM RISER DIAGRAM

N.T.S

FA CABLE SCHEDULE

TYPE	DESCRIPTION
A	INITIALING CIRCUIT CABLE 2#18 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE, FOR INDOOR VIA J-HOOK AND OUTDOOR VIA MIN. 3/4" CONDUIT INSTALLATION
B	NAC SIGNAL CIRCUIT CABLE 2#12 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE, FOR INDOOR VIA J-HOOK AND OUTDOOR VIA MIN. 1" CONDUIT INSTALLATION
C	INITIALING CIRCUIT CABLE 2#16 AWG SOLID COPPER PVC JACKET POWER LIMITED FPLR CABLE, FOR INDOOR VIA J-HOOK AND OUTDOOR VIA MIN. 1 1/2" CONDUIT INSTALLATION

BATTERY POWER CALCULATIONS

NEW DISTRIBUTED POWER MODULE A

DEVICE	NO. OF DEVICE	CURRENT PER DEVICE STANDBY	CURRENT PER DEVICE ALARM	STANDBY CURRENT	ALARM CURRENT
UNIT	1	0.075A	0.175A	0.075A	0.175A
OUTDOOR HORN	2	---	0.050A	---	0.100A
MINI HORN	0	---	0.025A	---	0.000A
VISUAL 15cd	0	---	0.041A	---	0.000A
AUDIO/VISUAL 15cd	0	---	0.093A	---	0.000A
AUDIO/VISUAL 30cd	0	---	0.114A	---	0.000A
AUDIO/VISUAL 75cd	4	---	0.157A	---	0.628A
AUDIO/VISUAL 110cd	0	---	0.197A	---	0.000A
SYNC MODULES	0	---	0.035A	---	0.000A
SUB-TOTAL				0.075A	0.903A

24 HOUR STANDBY CURRENT	1.800AH
5 MINUTE ALARM CURRENT (0.083 HR)	0.075AH
SUBTOTAL ----------	1.875AH
10% SAFETY FACTOR ----------	0.187AH
TOTAL AMPS-HRS REQUIRED	2.062AH

PROVIDE BATTERY WITH (2) NEW 6AH BATTERY

DURING THE FINAL TESTING, MEASURE EXACT STANDBY AND ALARM CURRENT, VOLTAGE DROP FOR EACH SIGNAL CIRCUITS. SEND OWNER AND ENGINEER ONE COPY RECORD FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE CABINET DOOR.

FA SEQUENCE OF OPERATIONS

	NEW AND EXISTING SMOKE DETECTORS	NEW AND EXISTING HEAT DETECTORS	SUPERVISORY POWER FAILURE TROUBLE	EXISTING PULL STATION	EXISTING DUCT SMOKE DETECTOR	(C) FIRE SPRINKLER FLOW AND TAMPER SWITCHES	
AUDIO VISUAL DEVICE	X	X		X	X	X	
OFF-SITE MONITORING CERTIFY AGENCY	X	X		X		X	
CONTROL PANEL	X	X	X	X	X	X	
REMOTE ANNUNCIATOR	X	X	X	X	X	X	
HVAC SHUT DOWN					X	X	

VOLTAGE DROP CALCULATION

WORST CASE VOLTAGE DROP AT THE LAST DEVICE

VD = VOLTAGE DROP
I = TOTAL LOAD
K = 21.6
L = DISTANCE TO THE LOAD
CM = CIRCULAR MILLS (CROOS SECTION OF 12 AWG = 6530)
V = VOLTAGE (24vdc)
$VD = \frac{K * I * 2L}{CM}$

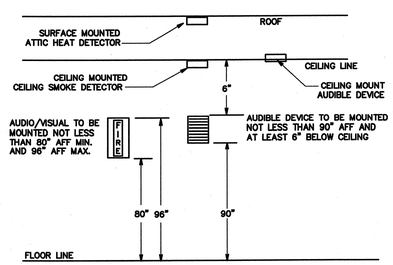
SIGNAL CIRCUIT LOAD SUMMARY

	OUTDOOR HORN 0.050A	MSUAL 15cd 0.041A	AUDIO/MSUAL 15cd 0.093A	AUDIO/MSUAL 30cd 0.114A	AUDIO/MSUAL 75cd 0.157A	AUDIO/MSUAL 110cd 0.197A	MIN. HORN 0.025A	SYNC MODULE 0.035A	TOTAL AMP
CKT. NAC-1	1	0	0	0	2	0	0	0	0.414A
CKT. NAC-1	1	0	0	0	2	0	0	0	0.414A

SIGNAL CKT NO.	AMPERES	APPROX LENGTH	RESISTIVITY OHM	WIRE AWG	AREA CM	VOLTS DROPPED	% VOLTS DROP
CKT. A	0.414A	200'	21.6	12	6530	0.274V	1.1%
CKT. A	0.414A	400'	21.6	12	6530	0.548V	2.2%

FIRE ALARM SYMBOLS AND SCHEDULE

ITEM	DESCRIPTION	MODEL NUMBER	CSFM NUMBER	MOUNT	BACK BOX
	DISTRIBUTED POWER MODULE SIGNAL EXPENDER	SILENT KNIGHT #5459	7300-0559:123	+80"	EQUIPMENT CABINET
	HORN STROBE 15cd 30cd 75cd 110cd TAMPORAL CODE 3	WHEELOCK #AS-24MCW-FR	7125-0785:131	+80"	4"SQ X 2 1/2"D
WP	OUTDOOR HORN TAMPORAL CODE 3	WHEELOCK #AH-24WP	7125-0785:131	+80"	4"SQ X 2 1/2"D
S	ADDRESSABLE CEILING SMOKE DETECTOR WITH BASE	HOCHIKI #ALK-V /YBN-NSA-4	7272-0410:173	CEILING	4"SQ X 2 1/2"D
A	ATTIC HEAT DETECTOR 190°F TEMP WITH BASE AND MONITOR MODULE	HOCHIKI #DFE 190°/HSC-XXXL #FRCME-4	7272-0410:119 7300-0410:150	ATTIC	4"SQ X 2 1/2"D
	END OF LINE RESISTOR	N/A	N/A	LAST DEVICE	4"SQ X 2 1/2"D



2 TYPICAL FIRE ALARM DEVICES MT'D DETAIL

N.T.S.

F.A. MONITORING NOTES

1. THE AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND AMENDED EITHER UUFX OR UUJS BY UNDERWRITERS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRANGED BY OWNER.

SEISMIC ANCHORAGE

1. TO COMPLY WITH 2001 CBC, TITLE 24, SECTION #1632A.
2. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER AND THE FIELD ENGINEER OF THE DIVISION OF THE STATE ARCHITECT.

COMPLETE AUTOMATIC FIRE ALARM PLAN SUBMITTAL

1. THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.
2. THE AUTOMATIC FIRE ALARM SYSTEM SHALL COVER ALL ROOMS AND AREAS AND UPON ACTIVATION OF AN INITIATING DEVICE ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. (EXCEPTION: SMOKE DETECTORS ARE NOT REQUIRED IN NON-ACCESSIBLE AREAS AS DEFINED IN EMERGENCY EXPRESS TERMS OF PROPOSED S.F.M. AMENDMENTS TO 2007 C.F.C. SECTION 210 (C.F.C. SECTIONS 1006.2.4.2.2.1.1 AND 1006.2.4.2.2.1.5)

SHEET NOTES

1. PROVIDE NEW FIRE ALARM DISTRIBUTED POWER MODULE NAC SIGNAL EXPANDER AND CONNECT TO (E) FACP PER RISER DIAGRAM. PROVIDE 110V DEDICATE CIRCUIT AND CONNECTION FROM PANEL E CIRCUIT NO. 24 WITH MECHANICAL LOCK OR BREAKER. PROVIDE FIRE ZONE MAP INFORMATION, MEASURE ACTUAL LOAD CURRENT AND VOLTAGE DROP FOR EACH NAC SIGNAL CIRCUITS, AND STANDBY CURRENT AND ALARM CURRENT. SEND THE REPORT TO OWNER AND ENGINEER FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE CABINET DOOR. SEE FA RISER DIAGRAM FOR DETAIL.
2. LOCATE HEAT DETECTOR IN ATTIC AND SURFACE MOUNT ON THE BOTTOM OF RAFTER. DETECTOR COVERAGE WILL BE DERATED 50% ACROSS THE RAFTER. FIELD VERIFY LOCATION WITH GENERAL CONTRACTOR AND PROVIDE ATTIC HEAT DETECTOR IN EACH BAY OF STRUCTURAL.
3. LOCATE CEILING SMOKE DETECTOR 5 FEET FROM NEW NAC SIGNAL EXPANDER PANEL. FIELD VERIFY LOCATION.
4. PROVIDE NEW CHRISTY N4Q SIGNAL PULL BOX, AND NEW UNDERGROUND CONDUITS AND WIRING. SEE SIGNAL RISER DIAGRAMS.
5. PROVIDE NEMA3R 6"x6"x4" NEMA3R TC SURFACE MOUNTED ON EXTERIOR WALL AT +24"AFF WITH 1"C STUB INTO BUILDING CEILING CAVITY WITH LB FITTING, PROVIDE TERMINAL STRIP INSIDE TC FOR CONDUCTOR TERMINATION. NO WIRE NUTS ALLOWED. CORE DRILL AND SEAL EXTERIOR WALL AS REQUIRED.
6. PROVIDED 3/4" WEATHERPROOF FLEX CONDUIT BETWEEN BUILDING.
7. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL NEW UNDERGROUND 1 1/2"C.
8. SAW CUT AND PATCH EXISTING FLOOR TO INSTALL (2)2"C FOR SIGNAL SYSTEM AND (1) 1 1/2"C FOR FA PRE PLANS.
9. 24"x24"x8" NEMA3R NEW PULL CAN SURFACE MOUNTED ON EXTERIOR WALL AT +24" AFF. INSTALL NEW CONDUITS AND WIRING PRE SINGLE LINE DIAGRAMS. PROVIDE FIBER OPTIC CABLE SPLICE PANEL, 50 PAIR PUNCH DOWN BLOCK, FA TERMINAL STRIP AND DIVIDER INSIDE TC.
10. NEW (2)2" EMT CONDUIT RACEWAY ON EXTERIOR WALL FOR EXISTING AERIAL SIGNAL CABLE RE PULL. PROVIDE UNISTRUT FOR MOUNTING.
11. INTERCEPT EXISTING AERIAL SIGNAL CABLE RISER AND INSTALL SIGNAL TC WITH NEW CONDUITS RACEWAY PER PLANS. FIELD VERIFY LOCATION. PROVIDE UNISTRUT FOR SUPPORT.

F.A SYSTEM SCOPE OF WORK

1. PROVIDE AUTOMATIC FIRE ALARM SYSTEM FOR THE ADDITONAL NEW CLASSROOM BUILDINGS PER PLANS.
2. EXISTING FACP IS 24VDC ADDRESSABLE, AND CLASS B WIRING SYSTEM. AND WITH OFF SITE MONITORING SERVICE VIA AUTO DUAL LINE DIALER AND TELEPHONE LINES.
3. DURING THE FINAL TESTING, MEASURE ALL FIRE ALARM CURRENTS, VOLTAGE DROP FOR EACH SIGNAL CIRCUITS. SEND OWNER AND ENGINEER ONE COPY RECORD FOR REVIEW, AND PLASTIC LAMINATED ONE COPY INSIDE FACP CABINET DOOR.
4. COMPLETE FIRE ALARM DRAWING SUBMITTAL IS PROVIDED.

FIRE ALARM NOTES

1. THE SYSTEMS SHALL CONFORM TO CALIFORNIA ELECTRICAL CODES ARTICLE 760, CALIFORNIA FIRE CODE ARTICLE 10 AND CALIFORNIA BUILDING CODE, SECTION 305.9.
2. FIRE ALARM CIRCUITS SHALL BE RUN IN EMT CONDUIT PER SPECIFICATIONS.
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. NO SPLICE SHALL BE PERMITTED IN PULLBOXES. ALL WIRE SHALL BE RUN CONTINUOUS BETWEEN TERMINAL CABINETS.
5. ALL PENETRATIONS IN FIRE-RATED ASSEMBLIES SHALL BE SEALED IN COMPLIANCE WITH CHAPTER 7, C.B.C.
6. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PRIVATE MODE SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 45 dBA AT 10 FT OR MORE THAN 130dBA AT THE MINIMUM HEARING DISTANCE FORM THE AUDIBLE APPLIANCE. AN AVERAGE SOUND LEVEL GREATER THAN 115 dBA REQUIRES THE USE OF A VISIBLE SIGNAL APPLIANCES. IF AUDIBILITY LEVEL DOES NOT MEET THE REQUIREMENT AT THE TIME OF TESTING, NEW AUDIBLES AND REVISED PLANS WILL BE REQUIRED.
7. NEW FIRE ALARM AUDIBLES SHALL BE TAMPO CODE 3.
8. A CERTIFICATE OF COMPLETION SHALL BE PROVIDED TO THE OWNER PER NFPA 72 AND THE CALIFORNIA FIRE CODE.
9. AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED AS SET FORTH IN THE CALIFORNIA FIRE CODE IN GROUP, DIVISION 1, 2, AND 2.1 OCCUPANCIES. (303.9, CBC)
10. THE ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (NFPA 72, 1999 EDITION)
11. THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA ELECTRICAL CODE AND ARTICLE 91. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING SFM LISTING NUMBERS FOR EACH COMPONENT HAVE BEEN APPROVED BY DSA. UPON COMPLETION OF THE INSTALLATION. A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE INSPECTOR OF RECORD.
12. 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 MEASURE @ 10' BUT/NOT LESS THAN 110dBA IN TOTAL THROUGHOUT. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS.
13. THE ALARMS 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.

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Sheet Title: FIRE ALARM PLAN

Project Name & Address: PIONEER ELEMENTARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DR., BAKERSFIELD, CA

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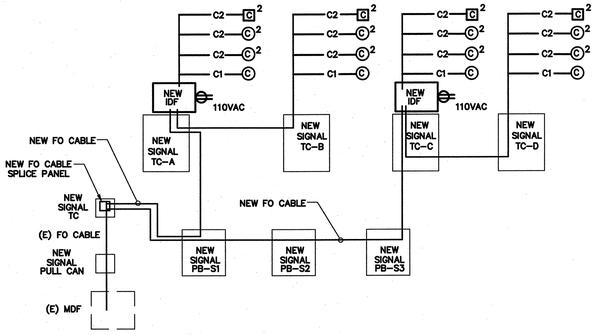


FIBER OPTIC CABLE
THREE MULTIMODE PAIRS (SIX STRANDS) AND THREE SINGLE-MODE PAIRS (SIX STRANDS) OPTICAL CABLE COMPANY # DX 12/065D-6W3SB/1UC-6SYMC-YMD/900-OFNR OF EQUAL

CAT5E CABLE
5ENP4P24-BL-BER-PV OR EQUAL

CABLE TESTING
ALL FIBER OPTIC CABLE MUST BE TESTED TO SUPPORT 1000BASE-FX FULL DUPLEX STANDARDS, ALL CAT 5E CABLE MUST BE TESTED TO SUPPORT 100BASE-TX. TEST RESULTS ARE TO BE PROVIDED TO SCHOOL TECHNOLOGICAL SERVICES FOR REVIEW AND APPROVAL.

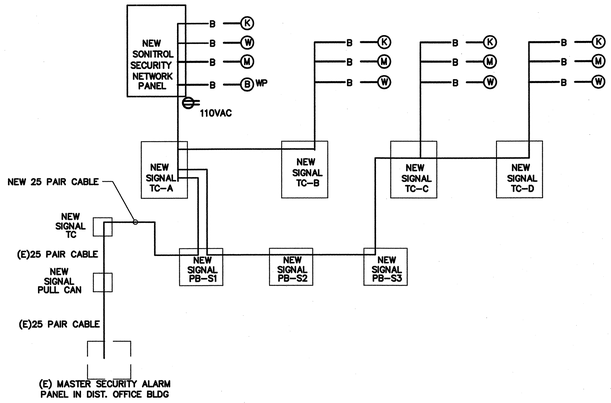
IDF SWITCH EQUIPMENT

F/O	CISCO WS-C2950G-24 W/ WS-C5484 GBIC
TP	CISCO WS-C2950-24
CABINETS	SOUTH WESTERN DATA PRODUCT SWE 4000-18UDBLK OR EQUAL
JACKS	ALLEN TEL AT55-16 OR EQUAL
FACEPLATE	ALLEN TEL AT30-2-09 OR EQUAL
PATCH PANEL	ALLEN TEL ATPNL-24 OR EQUAL

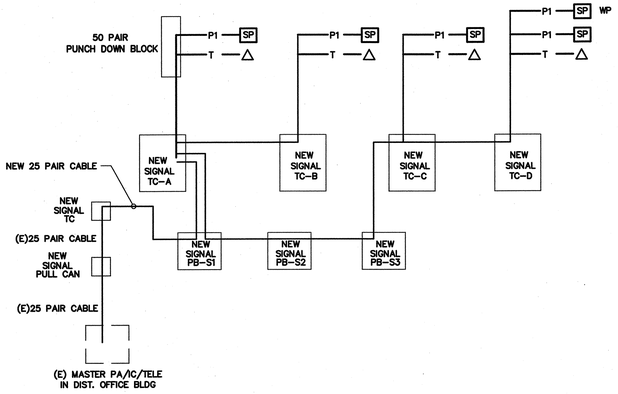
LABELING IDIENTICATION
ALL INSTALLED EQUIPMENT, CABLES, TERMINATIONS, ETC. WILL BE PERMANENTLY AND UNIQUELY MARKED. CABLES WILL BE MARKED USING A CONVENTION THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION. LAN TERMINATIONS WILL SIMILARLY BE MARKED TO UNIQUELY IDENTIFY THEM WHILE PROVIDING THE SOURCE AND DESTINATION OF CABLE. IDENTIFICATIONS MUST BE SUCH THAT THEY WILL NOT RUB OFF, FALL OFF, OR EASILY BREAK AWAY.

DATA COMMUNICATION SYSTEM NOTES
1. CONTRACTOR TO PROVIDE ALL EQUIPMENT, PATCH CABLE AND ACCESSORY FOR A FULLY FUNCTIONAL SYSTEM.
2. NEW DATA JACK WIRING CONFIGURATION MUST BE MATCHED EXISTING SYSTEM. FIELD VERIFY PRIOR TO INSTALLATION.
3. ADMINISTRATIVE NODE TO BE RED IN COLOR WITH THE INSTRUCTIONAL NODE TO BE BLUE IN COLOR. NODE LOCATION MUST BE 12" WITHIN POWER RECEPTACLE AND FIELD VERIFY EXACT LOCATION WITH OWNER PROJECT COORDINATOR OR TECHNOLOGICAL SERVICES PERSONNEL PRIOR TO INSTALLATION.
4. ALL EQUIPMENT DOCUMENTATION AND WARRANTY INFORMATION WILL BE PROVIDED TO OWNER TECHNOLOGICAL SERVICES. WARRANTY CARDS WILL BE PROVIDED TO VUSD TECHNOLOGICAL SERVICES FOR FILING WITH MANUFACTURERS UPON COMPLETION OF INSTALLATION.

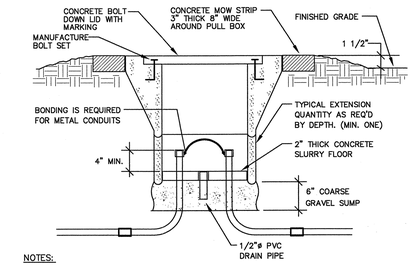
7 DATA COMMUNICATION SYSTEM RISER DIAGRAM
N.T.S



5 SECURITY ALARM SYSTEM RISER DIAGRAM
N.T.S

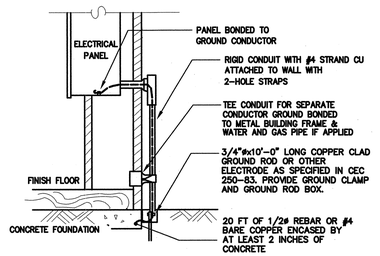


2 PA/IC/TELE SYSTEM RISER DIAGRAM
N.T.S



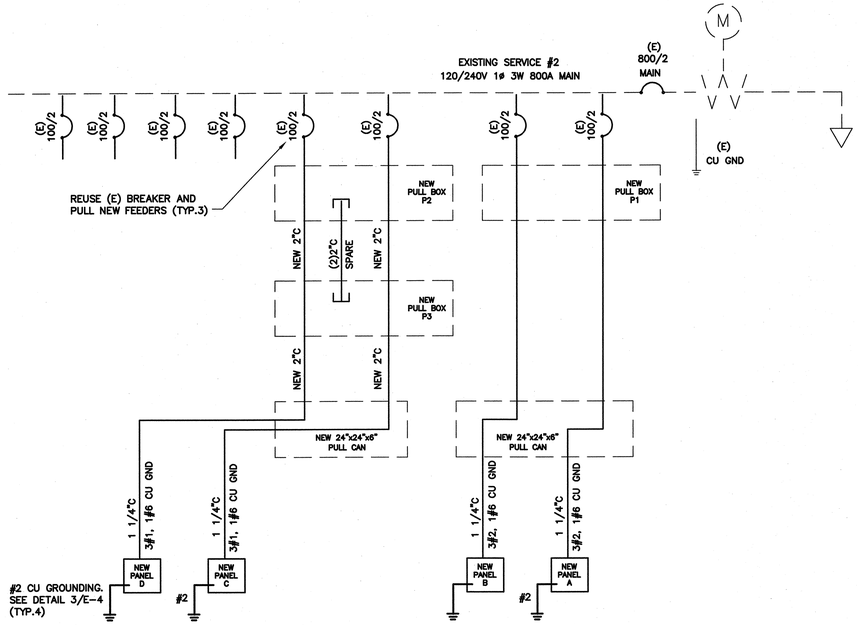
NOTES:
WHERE PULL BOX IS LOCATED WITH IN 30" OF A FOUNDATION OR SIDE WALK, PULL BOX SHALL BE SET FLUSH WITH THE ADJACENT SURFACE, MOW STRIP CONCRETE SHALL BE POURED FLUSH WITH FOUNDATION OR SIDE WALK.

4 PULL BOX AT OPEN YARD DETAIL
N.T.S



NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250-66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME PER CEC 250-50. IN ADDITION TO THE DETAIL SHOWN ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. IN SOIL IF AVAILABLE (CEC 250-50, 250-82).
3. ALL MADE OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER, BOND TO HAND RAIL AND WATER PIPE IF APPLIED. (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEED 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250-84).
5. FIELD INSPECTOR SHALL WITNESS GROUNDING TEST.

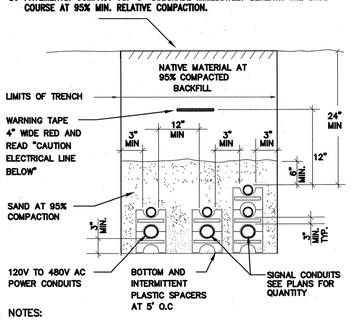
3 GROUNDING DETAIL
N.T.S



NOTES:
1. PROVIDE NEW MATCHING BREAKERS, FEEDERS AND PANELS PER PLANS.
2. ALL NEW CONDUCTOR SHALL BE 75°C THWN-2 COPPER IN CONDUIT. (AMPACITY FOR CONDUCTOR SELECTION MUST BE DETERMINED/DERATED BY THE ALLOWED TERMINATION RATINGS MARKED/APPROVED ON EACH DEVICES, MOTOR, APPLIANCE, XFMR O.C.P.C. PANEL, ETC. CONDUCTORS INSTALLED IN U.G OR WET LOCATIONS SHALL BE MARKER 'W'. PER 2010 CEC 110-14(C)(1).)
3. ALL WIRING OVER 100 VOLT SHALL BE INSTALLED IN RACEWAY CONDUIT, EMT ABOVE GRADE, PVC SCH. 40 BELOW GRAD AND STEEL CONDUIT ON EXPOSE SURFACE BELOW 8' AFF. FOR PHYSICAL PROTECTION.
4. MC CABLE WITH SEPARATE GROUND CONDUCTOR CAN BE USED IN CEILING AND CONCEAL IN WALL.
5. STEEL BACK BOX SHALL BE PROVIDE FOR ALL NEW ELECTRICAL DEVICES SUCH AS SWITCH, OUTLET AND CONDUCTOR SPLICE.
6. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING SWITCHBOARD AND PANELS ARE INSTALL PER ONE LINE DIAGRAM PRIOR TO WORKING, AND REPORT TO ENGINEERS IF ANY DISCREPANCY ARE FOUND.

1 SINGLE LINE DIAGRAM
N.T.S

RESTORE NEW FINISHED SURFACE PER ORIGINAL CONDITION AS FOLLOW:
1. STRUCTURES, BUILDING SLABS, WALKWAYS, AND STEPS: COMPACT TOP 6" OF SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 92% MAX. RELATIVE COMPACTION. COMPACT UPPER 2' OF BACKFILL IN UTILITIES TRENCHES OR OTHER EXCAVATION TO 92% MIN. RELATIVE COMPACTION.
2. LAWN OR UNPAVED AREAS: COMPACT TOP 6" OF SUBGRADE MATERIAL AT 85% RELATIVE COMPACTION.
3. PAVEMENTS: COMPACT TOP 6" SUBGRADE IMMEDIATELY BENEATH THE BASE COURSE AT 95% MIN. RELATIVE COMPACTION.



NOTES:
1. IF CONDUITS ARE INSTALLED IN A FILL AREA, THE TOP OF THE FILL MUST BE A MIN. OF 30" ABOVE THE DESIGN CONDUITS ELEVATION BEFORE THE CONDUITS IS INSTALLED.
2. ELECTRICAL CONDUITS SHALL BE MIN. 12" FROM OTHER UTILITY PIPES IN JOIN TRENCH, NO UTILITY PIPES ARE ALLOWED INSTALLED ON THE TOP OF ELECTRICAL CONDUITS.

6 CONDUIT TRENCH DETAIL
N.T.S

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
2017 E. DECATUR AVE, FRESNO CA 93710
(559) 215-2226 • FAX 251-3401
jcengineer@aol.com

REGISTERED PROFESSIONAL ENGINEER
JOHN S. CHONG
E 14419
Exp.6/30/2014
ELECTRICAL
STATE OF CALIFORNIA

7/7/2013 3:51:20 PM

integrated designs by SOMAM, Inc.
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN · CONSTRUCTION MANAGEMENT
6011 N. Fresno, Suite 130 – Fresno, California 93710
Phone (559) 436-0861 Fax (559) 436-0887 E-Mail: design@somam.com
www.integratedsdesigns.com

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

Sheet Title: DETAILS AND SYSTEM DIAGRAMS

Project Name & Address: PIONEER ELEMENTRARY
4 RELOCATABLE CLASSROOMS
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DR., BAKERSFIELD, CA

Issue Date:	Designer:	DR:	PC:
00/00/13	J CHONG	J CHONG	CJM
Date: 06/02/13			

Agency Approval Stamp:
FILE #: 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-115335
AC FLS 12 SS 60
DATE JAN 08 2014
TRACKING #: 63321-131

Stamp(s):

LICENSED ARCHITECT CURTIS E FLYNN No. C 28956 REN. 8-31-15 STATE OF CALIFORNIA

Job No.: 5082

Sheet No.: E-4

Release:

RELOCATABLE BUILDING(S)

FOR

CLASS LEASING INC

STOCKPILE # 37

		SERIAL #
JOB # 2765	(1)	34042-43
# 2852	(28)	35581-35636
# 2854	(10)	35686-35693, 35674-35685
# 2900	(2)	36143-36146
# 2818	(30)	35228-35283, 35897-35900
#	(1)	36878-79
	72	

PC-266

72 ~~50~~ - 24' x 40'

REVISED

DUAL

BUILDING DATA

BUILDING SIZE	24' X 40'	~~36' X 40'~~	~~48' X 40'~~
OCCUPANCY	E - 2	E - 1	E - 2
TYPE OF CONSTRUCTION	V - N	V - N	V - N
WIND LOAD	70 MPH. EXP. "C"	70 MPH. EXP. "C"	70 MPH. EXP. "C"
FLOOR LIVE LOAD	50 + 20 PSF	50 + 20 PSF	50 + 20 PSF
ROOF LIVE LOAD	20 PSF	20 PSF	20 PSF
BUILDING AREA	960 SF	1440 SF	1920 SF
STRUCTURAL DESIGN	RIGID FRAME	RIGID FRAME	RIGID FRAME

APPLICABLE CODES

TITLE 24. CCR. PART 2. 1995 CBC (94 UBC W/95 CA AMENDMENTS)

1994 UBC & 1995 CA AMENDMENTS (95 CBC - PART 2, TITLE 24, CCR)

1993 NEC & 1995 CA AMENDMENTS (95 CEC - PART 3, TITLE 24, CCR)

1994 UMC & 1995 CA AMENDMENTS (95 CMC - PART 4, TITLE 24, CCR)

1994 UPC & 1995 CA AMENDMENTS (95 CPC - PART 5 TITLE 24, CCR)

1994 UNIFORM FIRE CODE W/ STATE AMENDMENTS (CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR)

1994 BUILDING STANDARDS CODE (95 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR)

TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

LEGEND

SYMBOL	DESCRIPTION
1/A	DETAIL ON SAME SHEET AS SYMBOL
1/A2	DETAIL NUMBER (1) ON SHEET NUMBER (2)
1	KEY NOTE (1) ON SAME SHEET AS SYMBOL
1/A5	KEY NOTE NUMBER (4) ON SHEET NUMBER (5)
1/A1	WALL PANEL TYPE "A" ON SHEET (1)
2/A1	SECTION "A" ON SHEET (2)
1	REVISION / CHANGE IN DRAWING NO. (1) IS FIRST REVISION
CLOUD	HIGHLIGHTS CHANGED AREA
1	DOOR REFERENCE
( )	WINDOW REFERENCE
(E)	ELECTRICAL ITEM(S) SEE ELECT. DRAWINGS
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWING
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS

SHEET INDEX

ARCHITECTURAL SITE SET-UP

STRUCTURAL

MECHANICAL

ELECTRICAL

RAMP

FILE # P256 A00

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 100596
AC ~~SS~~ FLS KF SS GW
DATE AUG 10 1998
ACS: J. Schaible
PO: EPDO @ 35. Q. Kans.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115835
AC MF FLS KF SS EO
DATE JAN 08 2004

STKP-37

WITH THE SIGNING OF THESE DRAWINGS, THE ARCHITECT ACKNOWLEDGES THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PREVAIL OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

LICENSE EXPIRES 9-30-2000

Architect's Seal

LICENSED ARCHITECT
GEORGE C. EDWARDS
No. C 2556
REN. 9-30-99
STATE OF CALIFORNIA

Division of the State Architect

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-266
DATE
ACS: D. Ferrero
SS. Q. Kans.

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

4012-083

COVER SHEET

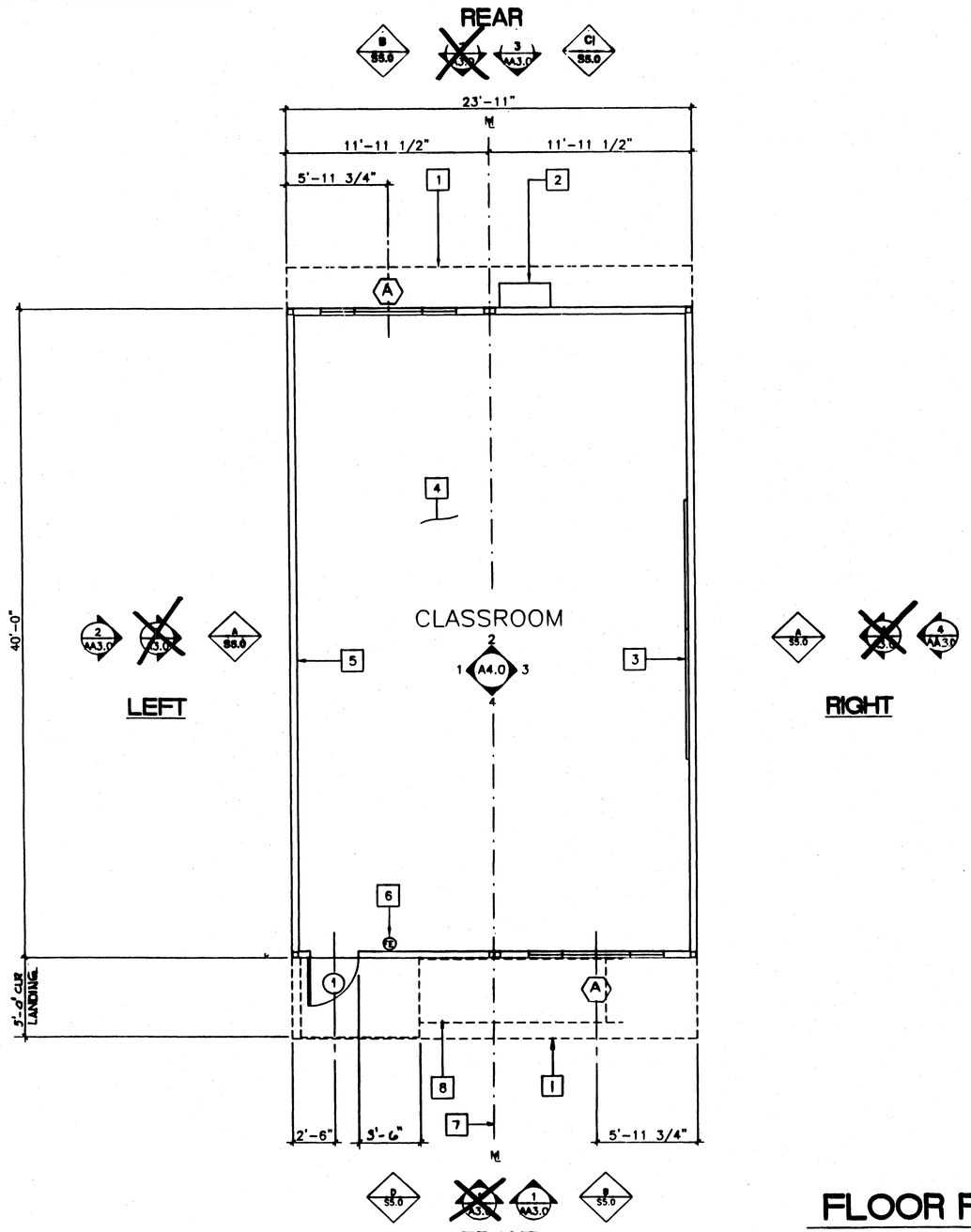
drawn by: dcw
checked by: GW
Modtech project no: 2765 2852 2854 2900 2818

MODTECH dr. no.

A0.0

PROJECT NO.

PC-266



KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT - SEE MECH SHEET
3. 2- 8'X4' MARKER BOARDS (SEE SPEC'S)
4. FINISH FLOORING: (SEE FINISH SCHED.) A5.0
5. TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE) A5.0
6. FIRE EXTINGUISHER - 5 LBS. DRY CHEMICAL WITH 2A-10BC U.L. RATING ON WALL MTD BRACKET. HANDLE AT 48" A.F.F.
7. MODLINE (M TYPICAL)
8. LINE OF RAMP/LANDING SEE R1.0 & R2.0

NOTES

1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER. ROOF & FLOOR DESIGN LIVE LOAD AND DESIGN WIND LOAD.

2. INSULATION MATERIALS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAMESPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS: 1. FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 2602 2. WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES I, II, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH. (SEC. 707.3 CBC.)

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 100596
AC ME FLS SS
DATE AUG 10 1998

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP03 115865
AC ME FLS SS ED
DATE JAN 08 2014

FLOOR PLAN (24' X 40')

SCALE 1/4"=1'-0"

REVISED

STKP-37

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	Division of the State Architect
1				LICENSED ARCHITECT GEORGE C. EDWARDS No. C 9956 REN. 9-30-98 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-266 AC ME FLS SS ED DATE JAN 25 1997
2					
3					
4					
5					

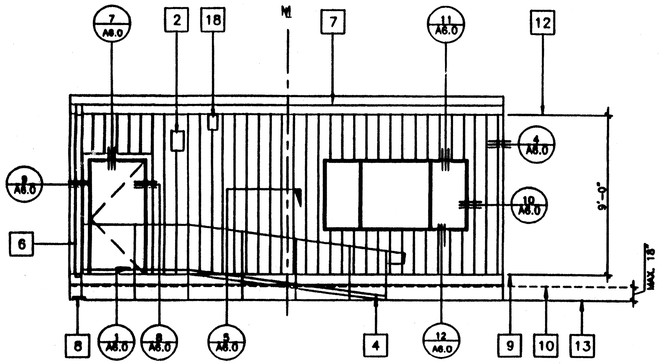
MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 2900

4012-083

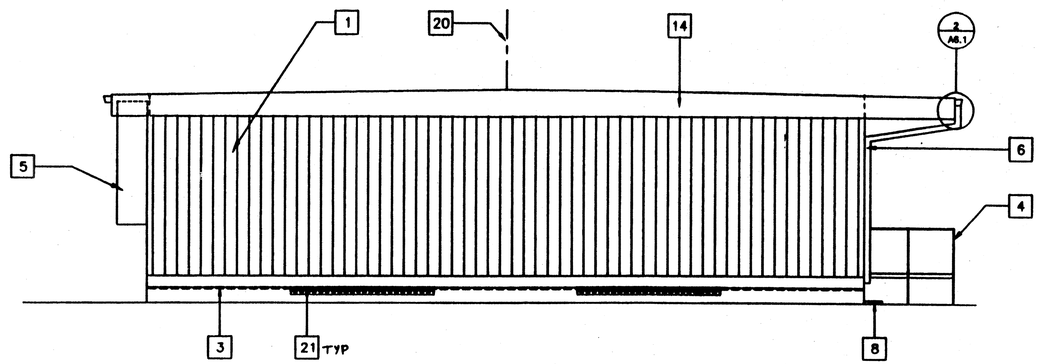
FLOOR PLAN

drawn by	date	checked by	date	Modtech project no:	MOD-TECH Index No.
2765	2852	2854	2900	2818	A1.0



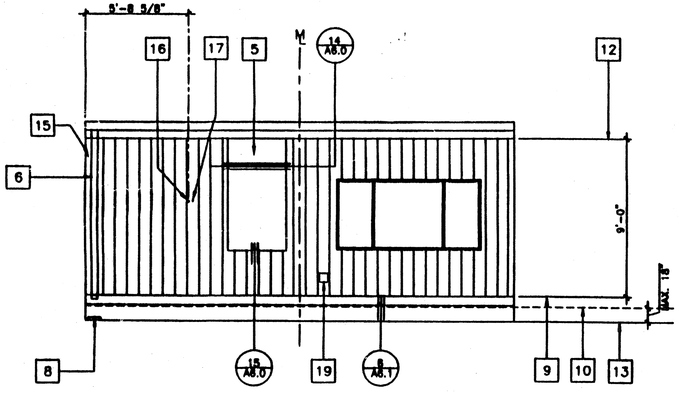
1 FRONT ELEVATION

SCALE 1/4"=1'-0"



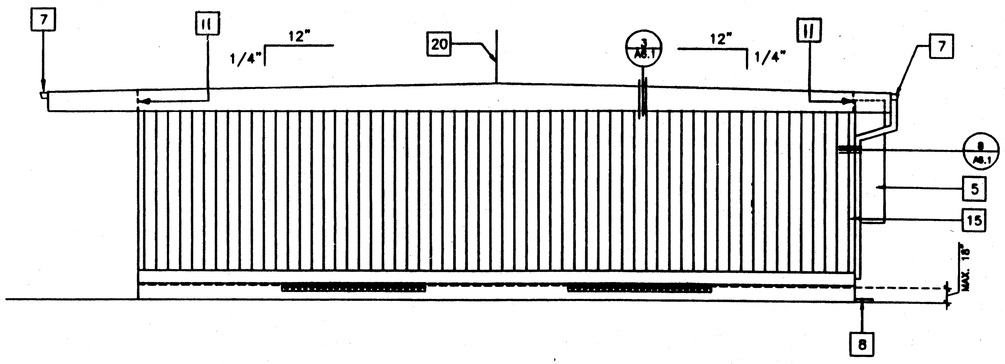
2 LEFT SIDE ELEVATION

SCALE 1/4"=1'-0"



3 REAR ELEVATION

SCALE 1/4"=1'-0"



4 RIGHT SIDE ELEVATION

SCALE 1/4"=1'-0"

KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE FINISH SCHED.)
2. EXTERIOR LIGHT FIXTURE (SEE SPECIFICATIONS)
3. TOP OF SKIRTING
4. RAMP AND LANDING SEE SHT. R-1
5. HVAC UNIT (HV)
6. DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLDG.TYP. 3 PLACES (SEE 8/A6.1)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN)
8. SPLASH BLOCK (BY OTHERS)
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. TOP OF COLUMN
13. FINISH GRADE
14. ROOF BEAM (STR)
15. COLUMN (STR)
16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. FIRE ALARM HORN (EL)
19. NEMA GUTTER BOX (EL)
20. RIDGE
21. FOUNDATION VENT (SEE FOUNDATION PLAN)

NOTES

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 100596
AC FLS SS
DATE AUG 10 1998

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP# 115855
AC MF FLS 1C 88 EO
DATE JAN 08 2014

24' X 40' (DUAL SLOPE)

STKP-37D

REVISED

REVISIONS								
1								
2								
3								
4								
5								

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
LICENSE EXPIRES 5-30-2000

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2956 REN. 9-30-99 STATE OF CALIFORNIA

Division of the State Architect
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-266
AC FLS 99
DATE JUN 25 1997

MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

4012-083

drawn by:
date:
checked by:
date:
Modtech project no: 2852 2854

MODTECH Index No.

EXTERIOR ELEVATIONS

A3.0

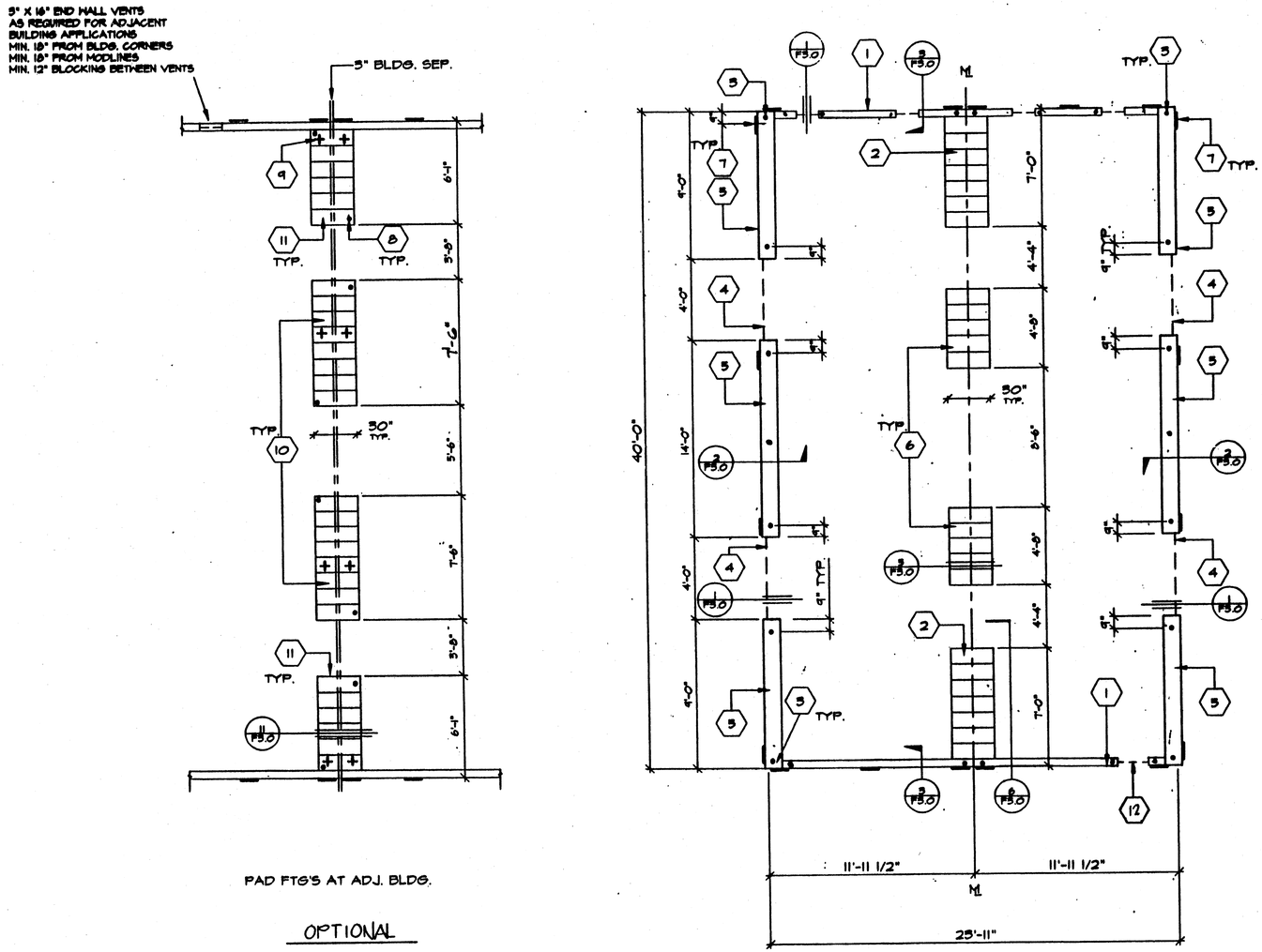
PROJECT NO.

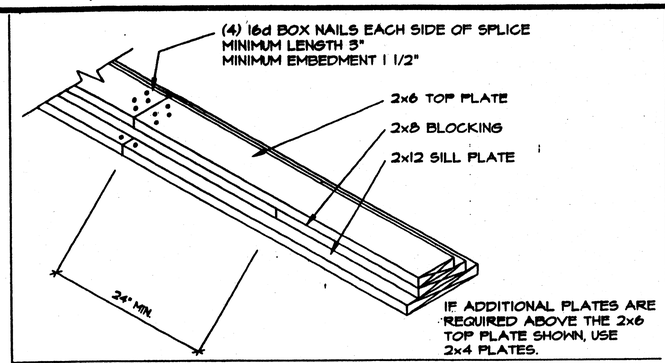
FILE # P266 A30.DWG

PC-266

"MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH"

THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.





FOUNDATION SPLICE DETAIL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPR
AC. FLS. SS ED
DATE JAN 0 8 2014

VENT CALCS.

BLD'G SIZE 24' X 40'= 960 Ø
VENTILATION REQ'D 960÷150= 6.4 Ø
5" X 4'-0" VENT=1.0 Ø
4 VENTS X 1.0 Ø = 4 Ø VENTING PROVIDED
3" X 2'-0" VENT=0.5 Ø
5 VENTS X 0.5Ø = 2.5 Ø VENTING PROVIDED
6.5 Ø 6.4 Ø

FOUNDATION (WOOD SILL)

24 x 40 - 50 + 20 PSF LL

SCALE 1/4"=1'-0"

KEYNOTES

1. 2"X6" SILL PLATE 'ENDWALL'
2. 7 - 2X12X30' LONG SILL PADS
3. PIPE TO GRADE (TYP.)
4. 3" HIGH BY 4'-0" LONG VENT - SIDEWALL
   3" HIGH BY 2'-0" LONG VENT - ENDWALL
5. 2X12 SILL PLATE (SIDE WALL)
6. 5-2X12X30" LONG SILL PADS
7. 6"X12"X10 GA. PLATES
8. 1" Ø PIPE EA. END
   EA. PAD AT ADJ. BLDG. LINE
9. 5/8" Ø X4" LAG
   (4-PER BLDG. MIN.)
10. 8 - 2X12X30" LONG SILL PADS
11. 6 - 2X12X30" LONG SILL PADS
12. THIS VENT TO BE LOCATED UNDER LANDING. PROVIDE EQUAL AREA SCREENED VENTS IN LANDING SKIRT

NOTES

1. SILL RESTRAINT: ON A.C. PAVING AND ON SOIL 1" O.D. GALVANIZED PIPE AT 10'-0" 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1-1/4" MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE.)
2. ON CONCRETE PAVING HILTI DS 82-P10 THRU SILL PLATE:
   END WALLS: 8" O.C.
   SIDE WALLS: 22 "O.C.
3. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2", OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK. P.T.
4. VERIFY DRAINAGE, TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE, WITH DISTRICT ARCHITECT SITE PLANS
5. ALL FOUNDATION MATERIAL SHALL BE HEM FIR
   GROUND CONTACT: LP-22 (CCA .40)
   ABOVE GROUND: LP-2 (CCA .25)
6. FOUNDATION DESIGNED FOR 1000 PS SOIL BEARING PRESSURE PER ORS IR 23-6.

STKP-37

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			JAMES T. BURNS, OREGON, EXPIRES: 6-30-96	GEORGE C. GRIFFITH, No. C 2956, REN. 9-30-96, STATE OF CALIFORNIA	REVISED 6-7 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 266 AC FLS SS DATE 6-9-96
△					
△					
△					
△					

MODTECH INC.
2850 BARRETT AVE.
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JOB NO: 4012-083
2900

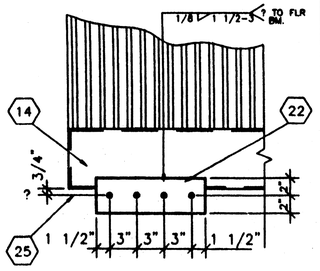
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 100596 G
AC FLS SS
DATE AUG 10 1998

2765
2852
2854
2900
2818

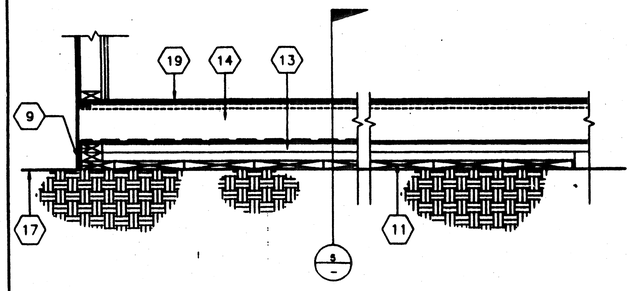
DRAWN BY RN
DATE
CHECKED BY
DATE 8/96

FOUNDATION PLAN

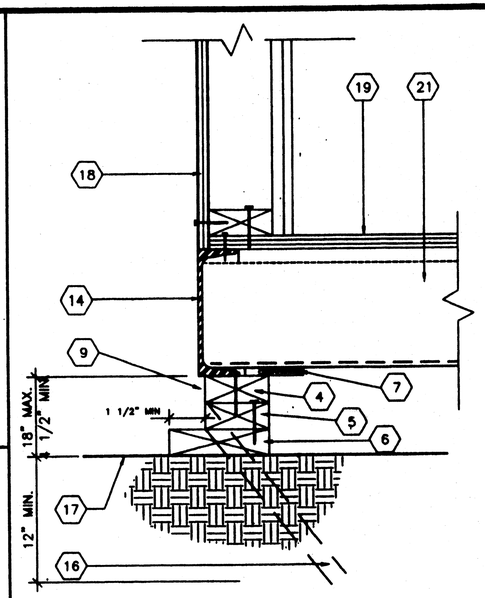
F0.2



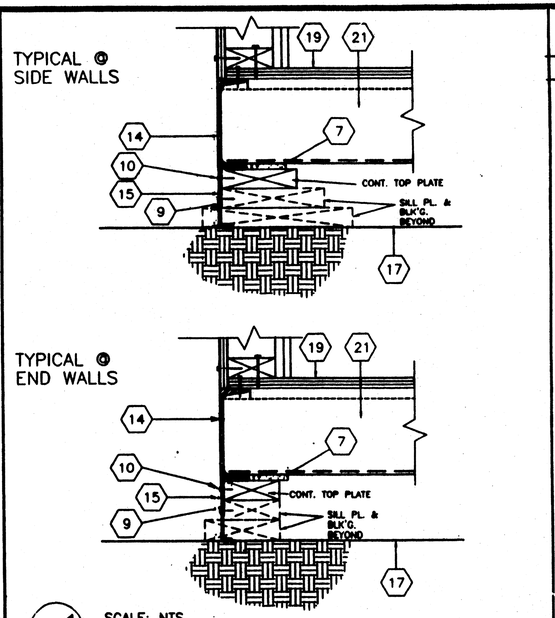
9 SCALE: 1 1/2"=1'-0"
ALTERNATE HOLD DOWN



6 SCALE: 1 1/2"=1'-0"
MODLINE PAD @ END WALL



3 SCALE: 3"=1'-0"
FOUNDATION @ END WALL



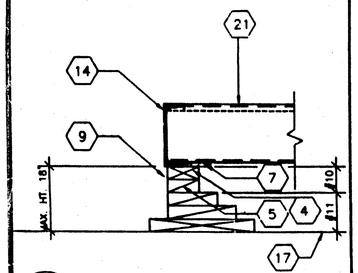
1 SCALE: NTS
FOUNDATION VENT

KEY NOTES

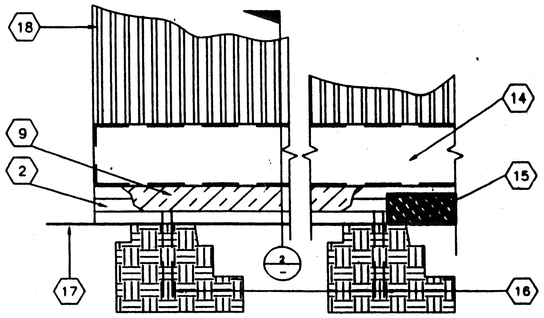
1. 2X12 SILL PLATE SEE FOUND. PLAN FOR LENGTH
2. 2X8 BLOCKING W/16d @MAX 5"O.C. TO SILL PLATE
3. 2X6 TOP PLATE W/16d @MAX 5" O.C. TO BLOCKING
4. 2X4 TOP PLATE W/16d @ MAX 5" O.C. TO BLOCKING
5. 2X4 BLOCKING W/16d MAX. 5" O.C. TO SILL PLATE
6. 2X6 SILL PLATE SEE FOUND. PLAN FOR LENGTH
7. 5/8"X2 1/2" SHIM (WHEN REQ.)
8. INSERT REQ'D 2X4 BLK'NG OR PLYWD. SHIM W/16d @ 12" O.C. FACE NAIL
9. OPTIONAL – MIN. 3/8" PLYWOOD SHIRTING W/ 10d @ MIN. 4" O.C. @ ENDWALLS & 6" O.C. @ SIDEWALLS E.N. & TYP. 12" O.C. FN. PLATE TO PLATE NAILING FOR THE FOUNDATION MEMBERS CAN BE DECREASED TO 12" O.C. AND FOUNDATION BLOCKING SHALL BE RECESSED SUCH THAT THE SKIRTING SHALL BE INSTALLED FLUSH WITH THE PERIMETER FLOOR CHANNEL.
10. 10d GALV. NAIL @ MAX. 4" O.C.
11. 2X12X2'-6" SILL PLATE SEE FOUND. PLAN FOR QUANITY REQ'D
12. 2 X 10 PLATES W/ 2–16D BOX @ 6" O.C.
13. 2X10 BLK'NG FACE OR TOE NAIL 16d @ MAX 12" O.C. ADD BLKS. OR SHIMS AS REQ'D
14. FLOOR FRAME BEAM SEE. STRUCTURAL C7x9.8
15. TYPICAL FOUNDATION VENT (SEE FOUNDATION PLAN FOR SIZES AND LOCATIONS).
16. SILL RESTRAINT 1" ø PIPE SEE FOUND. FOR LOCATION
17. FINISH GRADE
18. EXTERIOR FINISH
19. PLYWOOD SUBFLOOR
20. MOD–LINE
21. FLOOR–JOIST
22. 4"X12"X10 GA. PLATE
23. 6"X12"X10 GA. PLATE
24. 1/4" ø S.T.S. TYP. 4–PLACES
25. 1/4" ø X3" LG. LAG SCREW TYP. 4–PLACES
26. 5/8" øX4" LAGS (FOR LOCATION SEE PLAN)

FOUNDATION LUMBER TO BE PRE-CUT AT FACTORY. LUMBER GRADES & PRESSURE TREATING TO BE VERIFIED BY IN-PLANT INSPECTOR.

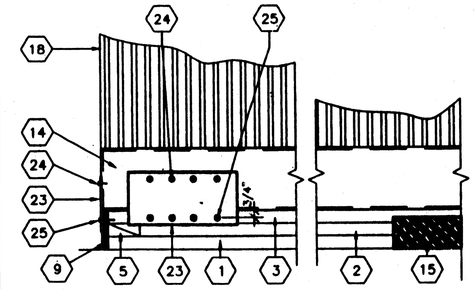
STKP-37



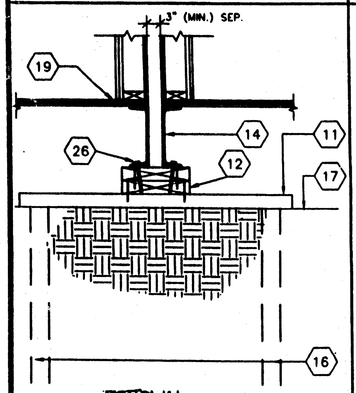
10 SCALE: 1 1/2"=1'-0"
ADD BLK'S/SHIMS TO LEVEL FOUND.



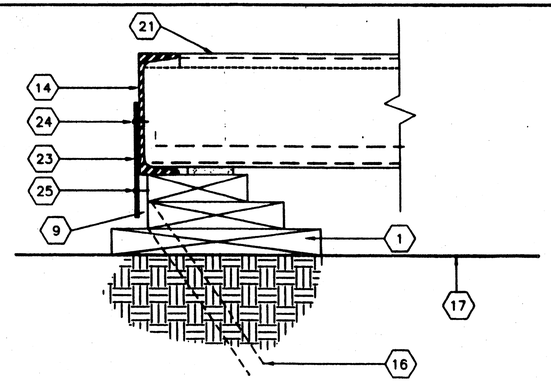
7 SCALE: 1 1/2"=1'-0"
FOUNDATION ELEVATION @ SIDE WALL



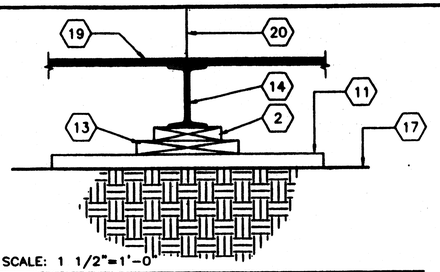
4 SCALE: 1 1/2"=1'-0"
DETAIL @ FOUNDATION CORNER



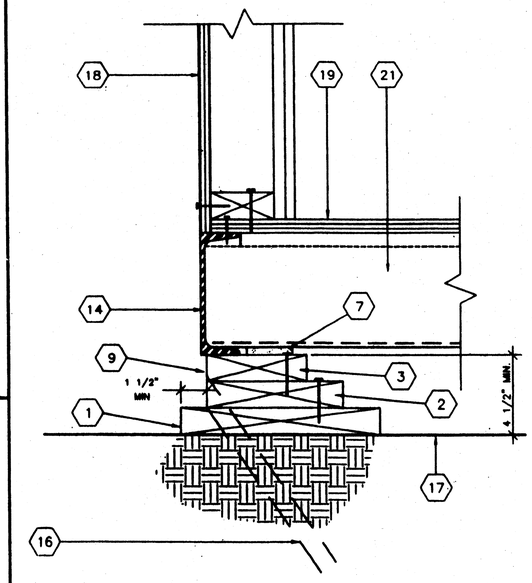
11 SCALE: 1 1/2"=1'-0"
FOUND. AT ADJ. BLDG



8 SCALE: 3"=1'-0"
TYPICAL TIE PLATE



5 SCALE: 1 1/2"=1'-0"
FOUNDATION PAD @ MODLINE



2 SCALE: 3"=1'-0"
FOUNDATION @ SIDE WALL

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT
△			JAMES T. BERRY No. 3888 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA LICENSE EXPIRES 6-30-2000	GEORGE C. GRIMES No. C-2956 LICENSED ARCHITECT REN. 9-30-98 STATE OF CALIFORNIA	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC 266 AC FLS SS DATE 5-9-96 REVISED AUG 27 1996 BY
△					
△					
△					
△					

MODTECH INC.

MODTECH INC.
2830 BARRETT AVE.
PERRIS, CA. 92572
PH. (909) 943-4014
FX. (909) 940-0427

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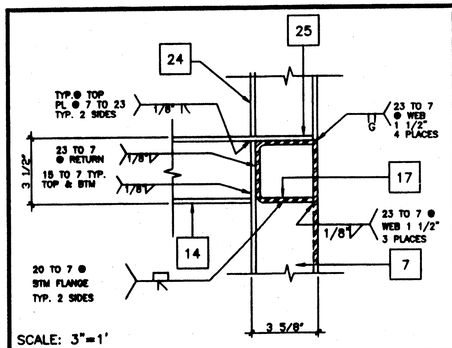
JOB NO. 4012-083
2900

2765
2852
2854
2900
2918

DRAWN BY RN
DATE 8/96
CHECKED BY FH
DATE 8/96

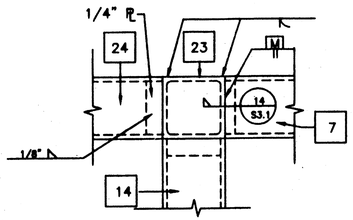
FOUNDATION DETAILS

F3.0



SCALE: 3"=1'

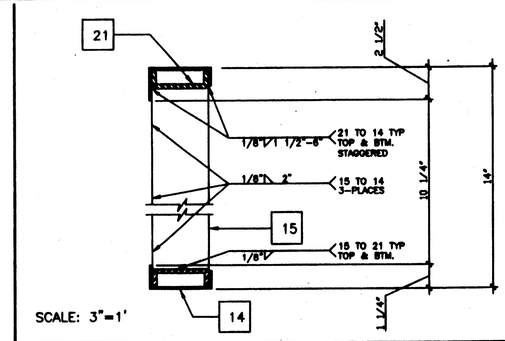
COLUMN SECTION 11



SCALE: 3"=1'

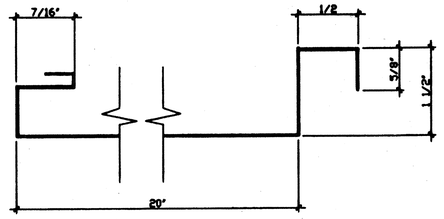
COLUMN CAP PLATE 12

8



SCALE: 3"=1'

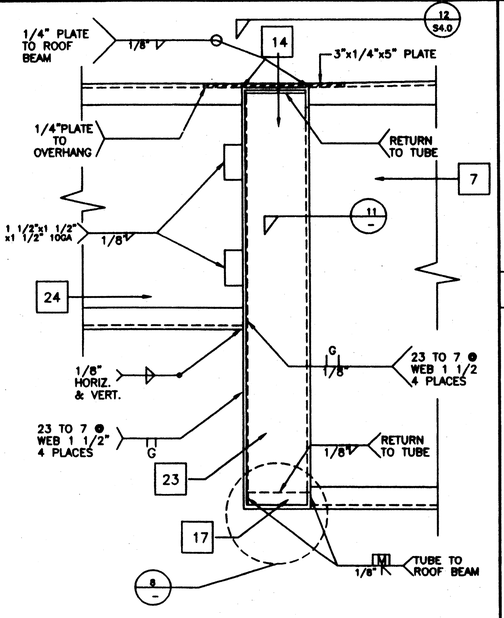
MECH. DUCT OPENING IN HEADER 4



SCALE: NTS

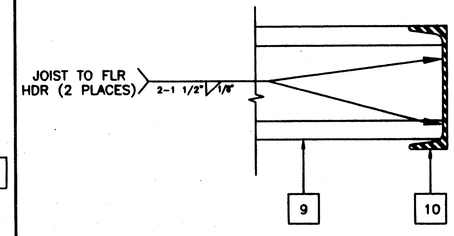
ROOF PAN 5

9



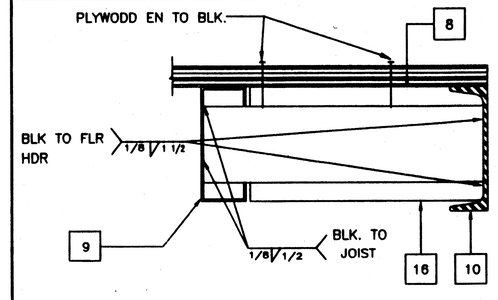
SCALE: 3"=1'

ROOF HEADER AT FRONT OVERHANG MONO PITCH 10



SCALE: 3"=1'

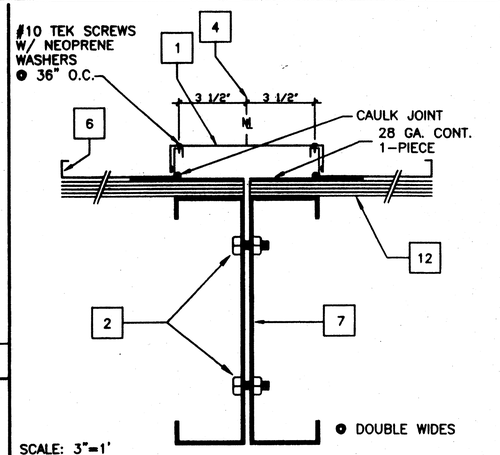
FLOOR FRAME/JOIST TO BEAM 6



SCALE: 3"=1'

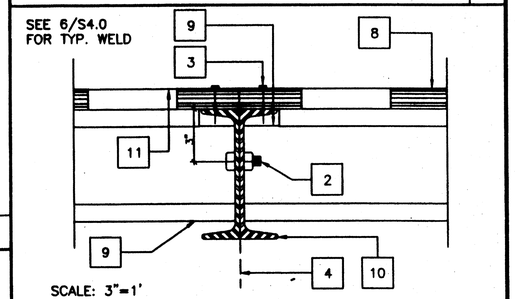
REVISED

BLOCK AT MIDSPAN 7



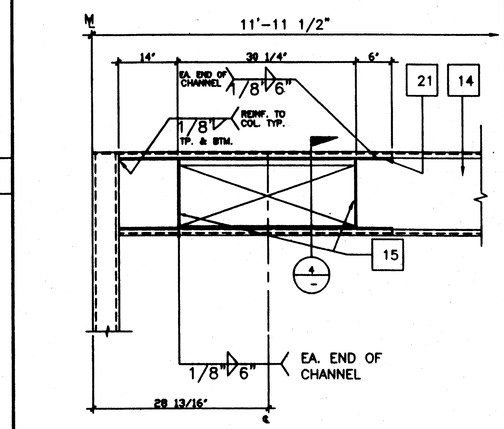
SCALE: 3"=1'

ROOFING AT MODLINE 1



SCALE: 3"=1'

MODULE JOINT AT FLR. 2



SCALE: 1"=1'

ELEVATION-OPENING 3

KEY NOTES

1	CAP CLOSURE ● RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT SEE DETAIL–
2	5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) ● 8" O.C.
3	E.N.
4	MODULE JOINT
5	NOT USED
6	STANDING ROOF SEAM (SEE A2.0)
7	ROOF BEAM (SEE STRUCTURAL) SEE 3/S3.1 & 12/S3.1
8	PLYWOOD FLOOR SHEATHING
9	FLOOR JOIST 6/S3.1
10	FLOOR BEAM (SEE STRUCTURAL 5/S3.1) C7x9.8
11	HAND HOLE ● BOLT LOCATION
12	PLYWOOD ROOF SHEATHING
13	3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN
14	ROOF HEADER (SEE STRUCTURAL 1/S3.1)
15	1/4" STIFFENER PLANE SEE 9/S3.1 FOR TYP. WELD
16	"C" BLOCKING SEE 6/S3.1
17	10GA. BACK-UP PL
18	NOT USED
19	NOT USED
20	2"X2"X3/16" ∠
21	3 1/4"X1"X45 11/16" LX10GA. CHANNEL TOP & BOTTOM CENTER OF OPENING
22	ROOF PURLIN SEE 2/S3.1
23	TUBE STEEL (SEE 11/S3.1) STIFFFNER COPE TO FIT ROOF BEAM.
24	ROOF BEAM AT OVERHANG SEE 4/S3.1

FILE # P266 S40.DWG

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 100596
AC FLS SS
DATE NOV 10 1998

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APPROVED
AC ✓ FLS ✓ SS EO
DATE JAN 0 8 2014

REVISIONS

1		
2		
3		
4		
5		

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3002 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

Architect's Seal
LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2958 REN. 9-30-97 STATE OF CALIFORNIA

Division of the State Architect
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-266
AC FLS SS
DATE JUN 25 1997

MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 2900

4012-083

drawn by:				
date:				
checked by:				
date:				
Modtech project no:	2765	2852	2854	2900 2818

MODTECH Index No.

STRUCTURAL DETAILS

PROJECT NO. STKP-37

S4.0

PC-266 2900

ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP MCM 120M 100C SQ D | PANEL: A | LOCATION: REAR | FEED: BOTTOM | MOUNTING: FLUSH

LOAD		WATTS A⌀	WATTS B⌀	BREAKER Amps	BREAKER P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A⌀	WATTS B⌀	LOAD
RECEPTACLE	(4)	720		20	1	1			2	2	50	2900		HVAC 3.5 (T)
RECEPTACLE / CLOCK	(5)		900	20	1	3			4	-	—		2500	HVAC 3.5 (T)
INT. / EXT. LIGHTS	(25)	876		20	1	5			6	2	30	2500		HVAC (HS)
INTERIOR LIGHTS	(24)		816	20	1	7			8				2500	HVAC (HS)
FA (DEDICATED)		40		-	-	9			10					
						11			12					
						13			14					
						15			16					
						17			18					
WATTS/PHASE	A = 7,036	1636	1716									5400	5400	B = 7,116 WATTS/PHASE
TOTAL	14,575 WATTS			61 AMPS		120/240 VOLTS						SINGLE Ø		THREE WIRE

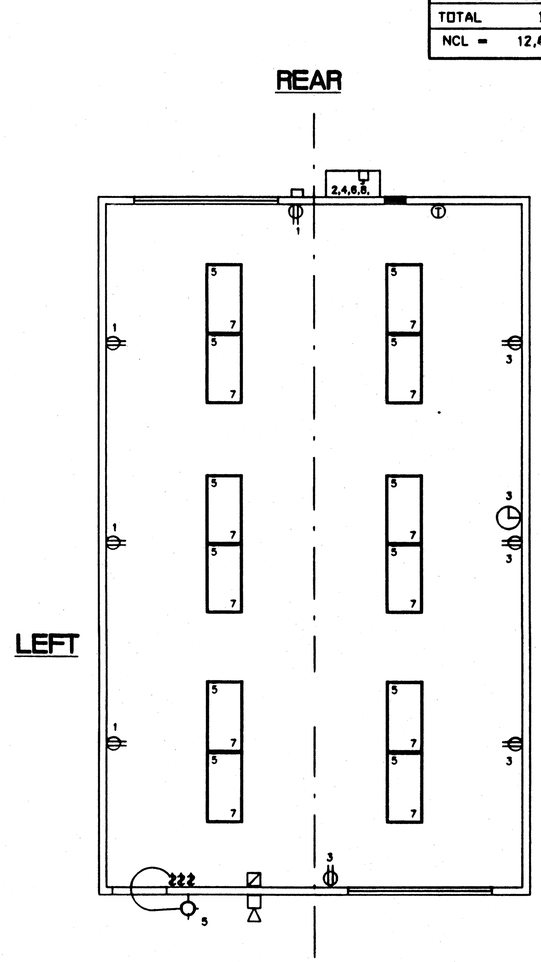
NCL = 12,460 W

GENERAL GROUNDING NOTES

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE 16 J, PART B.
4. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
5. GROUND MO TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH C.E.C. ARTICLE 250.

ELECTRICAL LEGEND

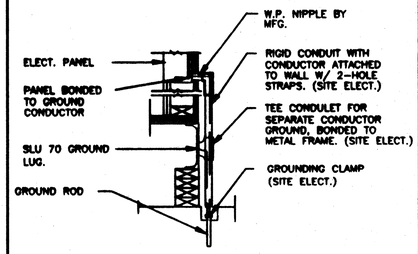
- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +90" AFF
- DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE AT +18" AFF U.N.O.
- THERMOSTAT. + 48" AFF (HV)
- HVAC UNIT (HV)
- 4s 'J' BOX FOR INT. FA PULL BOX. +48" AFF 3/4" CO TO PULLSTRING.
- 4s 'J' BOX FOR EXT. HORN/BELL. +96" AFF 3/4" CO STUB IN ATTIC. PULLSTRING.
- (6x6x4) WEATHER PROOF GUTTER BOX + 18" AFF 3/4 CO STUB IN ATTIC. PULLSTRING.
- ELECTRICAL PANEL. + 60" AFF (℄)
- $ SWITCH +48" A.F.F.
- CLOCK. +96" AFF



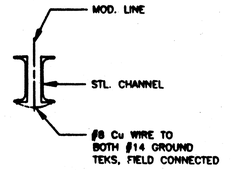
ELECTRICAL PLAN (24' X 40')

1/4" = 1'-0"

REVISED



TYP GROUNDING DETAIL | 1



GROUND JUMPER @ MOD LINE | 2

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, SECTION 2312 (g) AND TABLE 23-P. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIP. WEIGHING LESS THAN 400 LBS. & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS. MAY BE OMITTED FROM THE PLANS.

FOR ELECTRICAL DRAWINGS:

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 X THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE , Z = 0.4.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 100596
AC FLS SS
DATE AUG 10 1998

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPLICATION # 03 3 3 0 5
AC FLS SS ED
DATE JAN 0 8 2014

STKP-37

FILE # P266E10.DWG

PROJECT NO. 2900

PC-266

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal — LICENSE EXPIRES 8-30-2000

Architects Seal — No. C 2956 — REN. 8-30-99

Division of the State Architect
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-266
AC FLS SS
DATE JAN 25 1999

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER: 2900

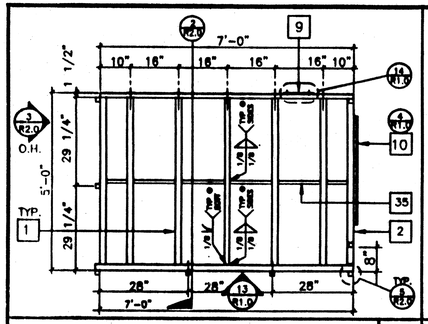
4012-083

drawn by:	FVH
date:	2765
checked by:	2852
date:	2854
Modtech project no:	2900 2818

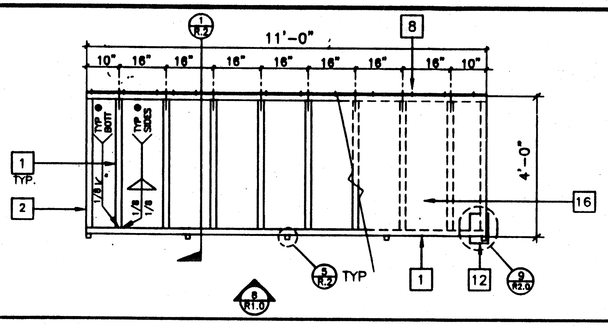
ELECTRICAL PLAN

MODTECH Index No.

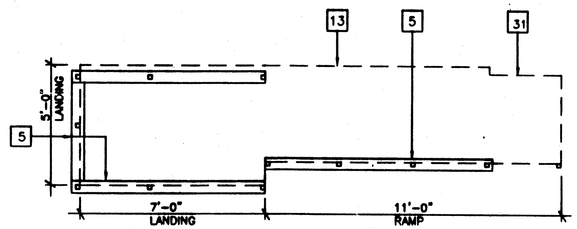
E1.0



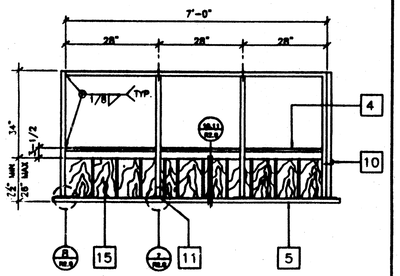
LANDING FRAME | 12



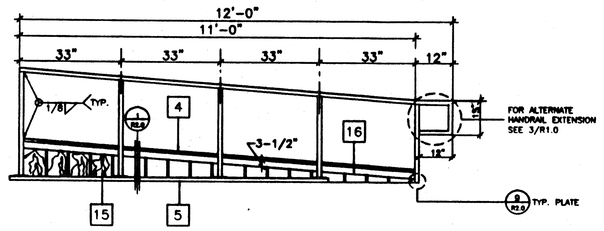
RAMP FRAME | 7



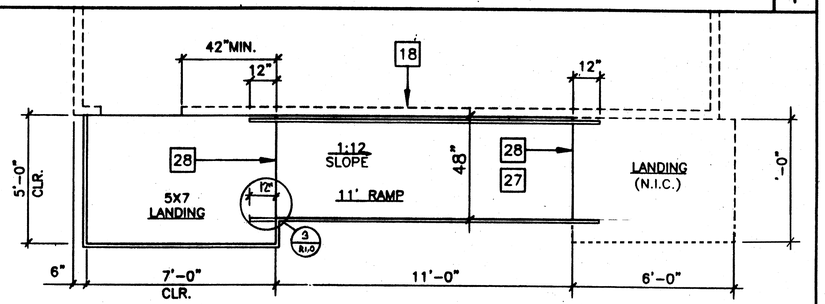
SILL PLAN FOR RAMP AND LANDING | 3/8" | 1



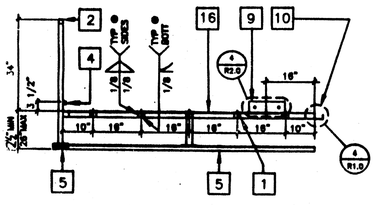
LANDING ELEVATION | 13



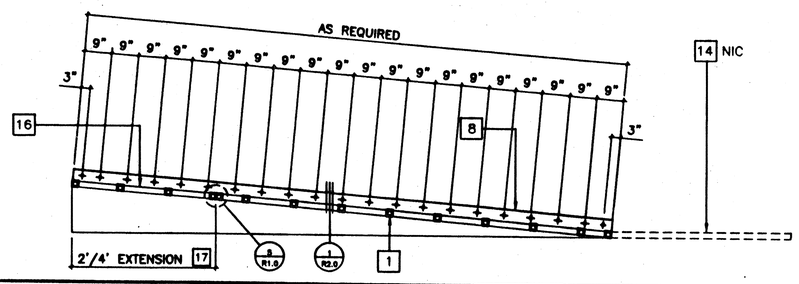
RAMP ELEVATION | 8



RAMP AND LANDING AT BUILDING | 3/8" | 2



LONG. SECTION @ LANDING | 14



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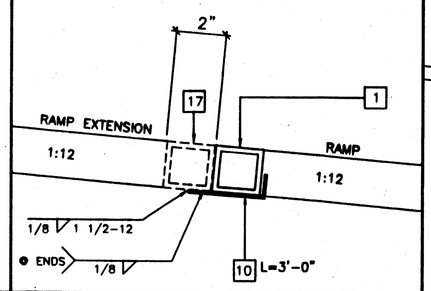
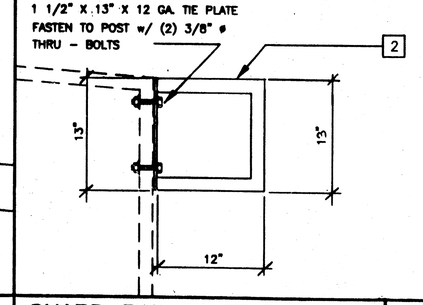
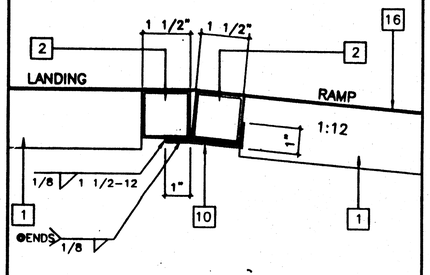


RAMP EXTENSION TO RAMP | 5



GUARD RAIL EXTENSION | 3



LANDING TO RAMP | 4

KEY NOTES

1	TS 2" x 2" x 14ga
2	TS 1 1/2" x 1 1/2" x 14ga (Fy = 39KSI)
4	TS 1" x 1" x 16ga WHEELCHAIR GUIDE
5	2 x 6 PT SILL PLATE
8	6" x 10ga CONT. PLATE W/ 1/4" X 2" TEK SCREWS @9"OC INTO WOOD OR FOUND. BLOCKS OR #14 x 2" TEK SCREWS INTO STEEL @ 9" OC
9	6" x 12" x 10ga PLATE W/2-1/4" x 3" LAGS TO STRUCTURAL FRAME OF BUILDING
10	3" x 1" x 3'-0" x 10ga BENT PLATE
11	2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
12	6" x 10" x 12ga BASE PLATE @ RAMP TOE
13	LINE OF RAMP/LANDING ABOVE
14	LOWER LANDING BY DISTRICT
15	SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/ 8d @ 6" OC EDGES AND 12"OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6"OC
16	12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR.
17	RAMP EXTENSION FRAME.
18	EXISTING BUILDING.
27	RAMP BY MODTECH
28	FLUSH TRANSITION
31	NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2" x 4'-0" LONG.
35	TS 1" x 1" x 16ga

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP08 1 1 5 9 5 5
AC MF FLS ✓ SS ED
DATE JAN 0 8 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 100596
AC FLS SS
DATE AUG 1 0 1998

NOTES

1 RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"

2 HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HT.

3 SURFACE: LANDING & RAMP TO HAVE NON SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)

4 GROUNDING: PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/#8 CU TO BOTH GROUND LUGS.

5 ARCHITECT SITE / RAMP / LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26" THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12 ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET R-1.

6 ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

STKP-37

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
No 1888
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

Architects Seal
LICENSED ARCHITECT
GEORGE C. EPPLEY
No. C 2556
REN. 9-30-99
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 266
AC FLS SS
DATE JAN 2 1 1999
REVISED

MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

Job Number: PC 266
2900

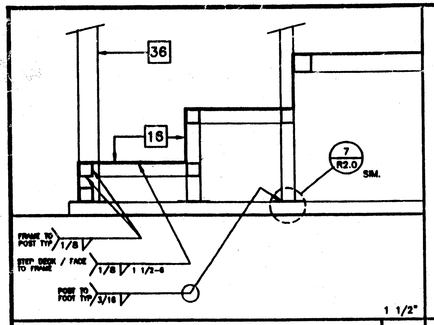
4012-083

RAMP / LANDING

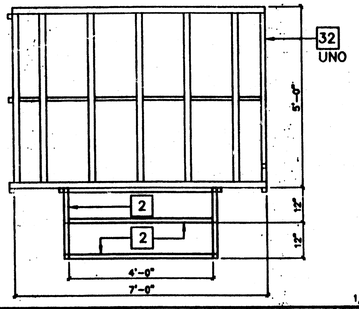
drawn by FVH
date
checked by
date
Modtech project no: 2765 2952 2854 2900 2918

MODTECH Index No.
R1.0

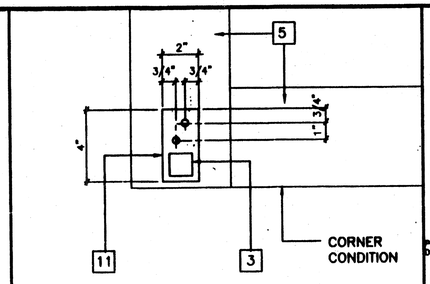
Project #
2900



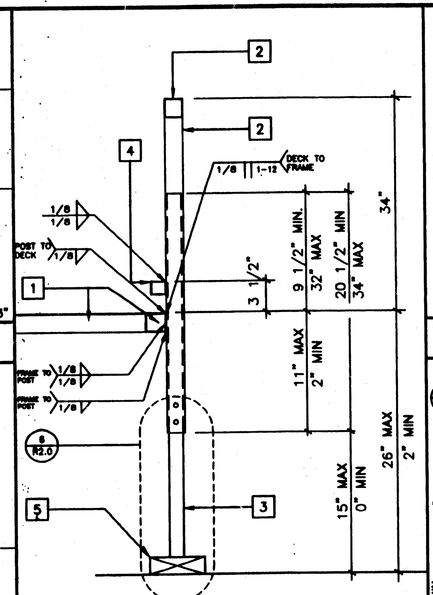
STAIR SECTION (OPTIONAL) 16



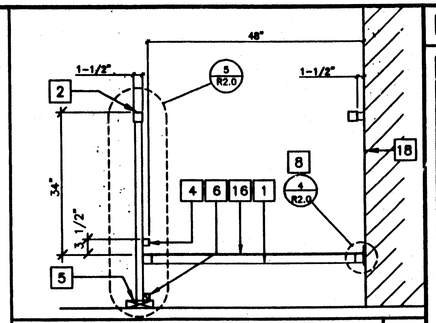
STAIR PLAN (OPTIONAL) 12



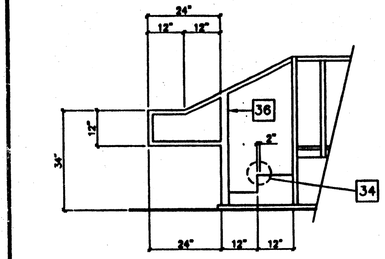
ADJUSTABLE LEG BASE PLATE 8



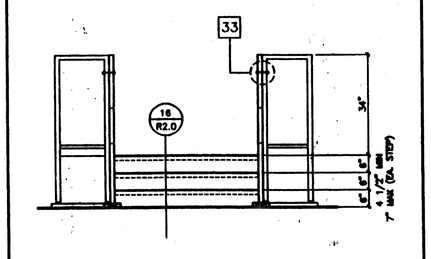
ADJUSTABLE LEG 5



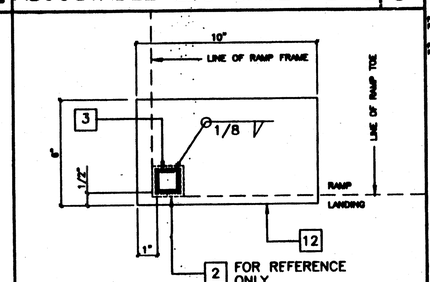
SECTION AT RAMP 3/4" 1



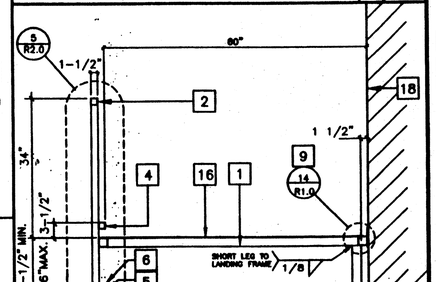
STAIR ELEVATION (OPTIONAL) 17



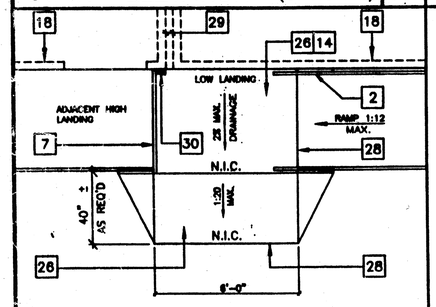
STAIR ELEVATION (OPTIONAL) 13



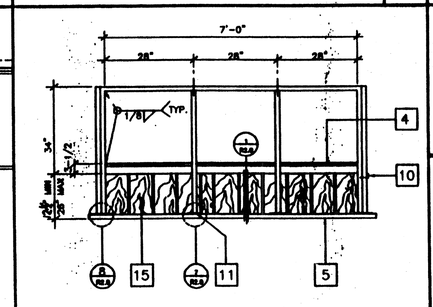
BASE PLATE @ RAMP TOE 9



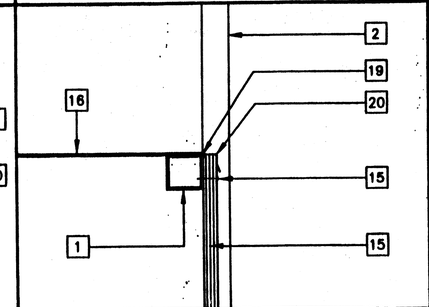
SECTION AT LANDING 3/4" 2



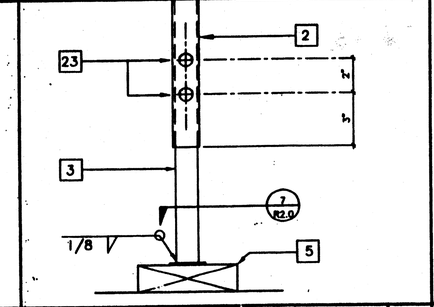
RAMP TRANSITION BY DISTRICT 1/2" 18



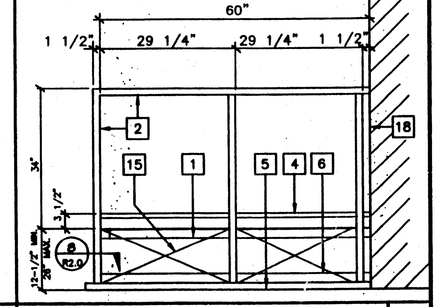
14



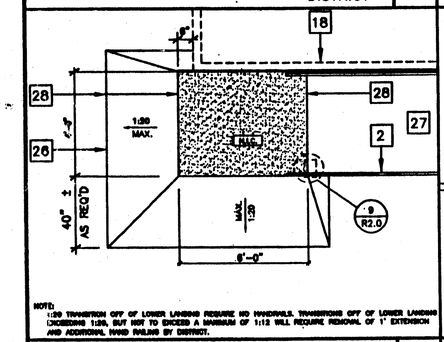
SKIRT FLASHING 3" 10



ADJUSTABLE LEG 3" 6

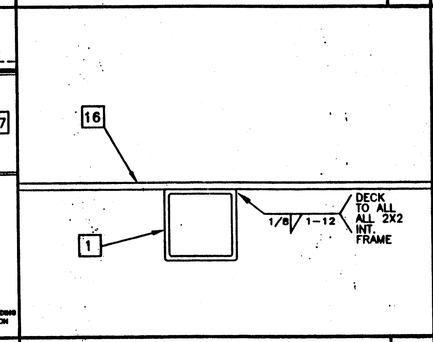


END ELEVATION 3/4" 3

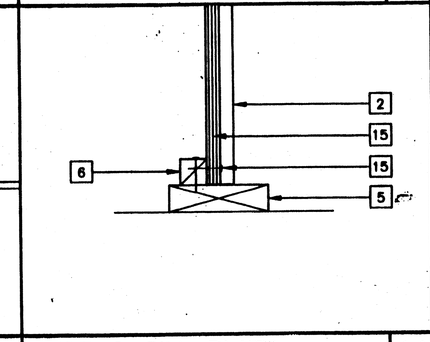


NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRE NO HANDRAILS. TRANSITIONS OFF OF LOWER LANDING EXCEEDING 1:20, BUT NOT TO EXCEED A MAXIMUM OF 1:12 WILL REQUIRE REMOVAL OF 1" EXTENSION AND ADDITIONAL HAND RAILING BY DISTRICT.

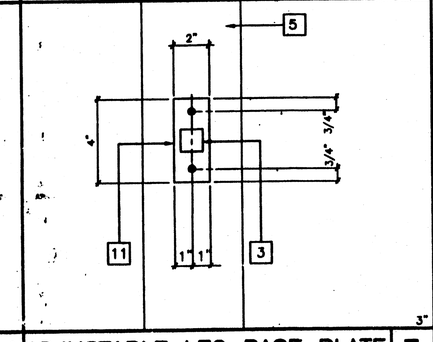
RAMP TRANSITION BY DISTRICT 1/2" 19



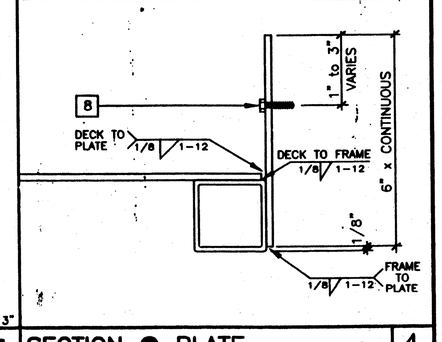
SECTION @ INT. FRAME 1/2" 15



SKIRT @ SILL PLATE 3" 11



ADJUSTABLE LEG BASE PLATE 7



SECTION @ PLATE 1/2" 4

KEY NOTES

1	TS 2" x 2" x 14ga
2	TS 1 1/2" x 1 1/2" x 14ga (Fy = 39 KSI)
3	TS 1 1/4" x 1 1/4" x 14ga (Fy = 39 KSI)
4	TS 1" x 1" x 16ga WHEELCHAIR GUIDE
5	2 x 6 PT SILL PLATE
6	2 x 2 NAILER W/16d @ 12" OC
7	2 x RW HEADER BY DISTRICT.
8	6" x 10ga CONTINUOUS PLATE W /#14 x 2" TEK SCREWS @ 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14 x 2" TEK SCREWS INTO METAL @ 9"OC
11	2" x 4" x 12ga BASE PLATE W/2-1/4" x 1" LAGS
12	6" x 10" x 12ga BASE PLATE @ RAMP TOE.
14	LOWER LANDING BY DISTRICT
15	SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH W/8d @ 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO T.S. USE #14 x 2" TEK SCREWS @ 6" OC
16	12ga METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR.
18	EXISTING BUILDING.
19	CAULKING
20	26 ga FLASHING
23	3/8" dia x 2" LONG MB W/NUT & WASHERS
26	PAVE BY DISTRICT.
27	RAMP BY MODTECH
28	FLUSH TRANSITION
29	3" MINIMUM BUILDING SERERATION
30	PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
32	FOR LANDING DETAILS AND RAMP ATTACHEMENT SEE 12/R1.0
33	FASTEN POSTS W/ 3/8" ø THRU BOLT. TYPICAL
34	2" WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
36	TS 2 1/2" x 1 1/2" x 8ga ASTM A500 GRADE A

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
04 100596
AC MF FLS SS
DATE AUG 10 1998

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APP# 11 0005
AC MF FLS ✓ SS ED
DATE JAN 08 2014

STKP-37

REVISIONS

1			
2			
3			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
LICENSE EXPIRES 6-30-2000

Architects Seal
LICENSED ARCHITECT GEORGE C. EDWARDS No. C 2956 REN. 9-30-98 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 266
AC FLS SS
DATE JAN 21 1997
REVISED

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

Job Number: PC 266

2900

4012-083

drawn by: FVH 1/97
date
checked by:
date
Modtech project no: 2765 2852 2854 2900 2906

MODTECH Index No.

RAMP/STAIR DETAILS

R2.0

MODTECH DESIGN MT-2440
PC 04-101268
RELOCATABLE CLASSROOM BUILDINGS
BUILDING SIZE: 24'x40'

AMEND APPLICATION FOR 24 SPECIAL FLOOR PLANS MODIFIED UNDER DSA'S GEOGRAPHIC PROJECT.

REVISED 10-01 COVER SHEET, ADD NEW SHEET NUMBERS

A1.01C FLOOR PLANS FOR BLDG; CC
A1.01D FLOOR PLANS FOR BLDG; DD
A1.01F FLOOR PLANS FOR BLDG; FF
A1.01G FLOOR PLANS FOR BLDG; GG
A1.01H FLOOR PLANS FOR BLDG; HH

A3.11C EXTERIOR ELEVATIONS BLDG: CC
A3.01D EXTERIOR ELEVATIONS BLDG: DD
A3.01F EXTERIOR ELEVATIONS BLDG: FF
A3.01G EXTERIOR ELEVATIONS BLDG: GG
A3.01H EXTERIOR ELEVATIONS BLDG: HH

A4.01C INTERIOR ELEVATIONS BLDG: CC
A4.01D INTERIOR ELEVATIONS BLDG: DD
A4.01F INTERIOR ELEVATIONS BLDG: FF
A4.01G INTERIOR ELEVATIONS BLDG: GG
A4.01H INTERIOR ELEVATIONS BLDG: HH

A7.01C REFLECTED CEILING PLANS: CC
A7.01D REFLECTED CEILING PLANS: DD
A7.01H REFLECTED CEILING PLANS: HH

M1.01C MECHANICAL PLAN BLDG: CC
M1.01D MECHANICAL PLAN BLDG: DD
M1.01H MECHANICAL PLAN BLDG: HH

E1.01C ELECTRICAL PLAN BLDG: CC
E1.01D ELECTRICAL PLAN BLDG: DD
E1.01F ELECTRICAL PLAN BLDG: FF
E1.01G ELECTRICAL PLAN BLDG: GG
E1.01H ELECTRICAL PLAN BLDG: HH

THIS ADDITIONAL CHARGE FOR MINIMUM CHANGING AMP @ 140-200.00

CLASS LEASING

STOCKPILE # 53

100- 24 x 40

CHANGE ORDER # 1
(ADD DOORS AT SIDEWALLS, ADDITIONAL PLANS)

A1.01A FLOOR PLAN FOR BLDGS; AA, BB, EE
A3.01A EXTERIOR ELEVATIONS BLDGS; AA
A3.01B EXTERIOR ELEVATIONS BLDGS; BB, EE
A4.01A INTERIOR ELEVATIONS BLDGS; AA, BB, EE
A7.01A REFLECTED CEILING PLANS; AA, BB, EE
M1.01A MECHANICAL PLANS BLDGS; AA, BB, EE
E1.01A ELECTRICAL PLANS BLDGS; AA, BB, EE

CO # 1 APPROVED
DIV. OF THE STATE ARCHITECT
AC MK F/LS SS MM
APPL NO. 04-102365 DATE 5-8-01

REVISED 2 JAN 03 2002
DIVISION OF THE STATE ARCHITECT
04 102365
FILE DATE JUL 16 2000
Acp m.A. 7-1-00

SERIAL #				
47122 - 47151	(15 BLDG)	LH	# 3513	# 3720 # 4032 # 3974 # 3932
47152 - 47163	(6 BLDG)	RH	# 3513	# 3932 CANCEL # 47164 - 47181 (9' BLDGS)
48751 - 48754	(2 BLDG)		# 3508	
48192 - 48193	(1 BLDG)		# 3482	
50208 - 50224	(17 BLDG)		# 3735	"GG"
50417 - 50426	(5 BLDG)		# 3753	
50427 - 50432	(3 BLDG)		# 3753	* CO#1
50433 - 50436	(2 BLDG)		# 3753	
52922 - 52929	(4 BLDG)		# 3880	
52382 - 52385	(2 BLDG)		# 3860	
52954 - 52979	(13 BLDG)		# 3904	("DD" = 52962-63)
52942 - 52949	(4 BLDG)		# 3905	
54429 - 54430	(1 BLDG)		# 4010	
52386 - 52387	(1 BLDG)		# 3860	"FF"
52814 - 52821	(4 BLDG)		# 3883 / # 3884	"CC"
50242 - 50243	(1 BLDG)		# 3735	"HH"
55200 - 55205	(3 BLDG)		# 4086	5-TON AC UNITS
53141 - 53142	(1 BLDG)		# 3860	
56100 - 56111	(6 BLDGS)		# 4134	W/SINK CABINET OPTION
56118 - 56121	(2 BLDGS)		# 4134	(ADD DOORS AT SIDEWALLS PER CO#1)
56122 - 56125	(2 BLDGS)		# 4134	OPTION 125# FLOOR LOAD
56126 - 56135	(5 BLDGS)		# 4134	OPTION 7'x7' TOILET ROOM

STOCKPILE #53 | 100 BUILDINGS CONSTRUCTED

PC

CBC 1998

BUILDING DATA

STRUCTURAL DESIGN: RIGID FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): [redacted] 80 MPH
FLOOR LIVE LOAD: 50 PSF, 50+20 PSF, [redacted]
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2
[redacted]

BUILDING AREA:

24'x40' BUILDING -	960 SF	36'x40' BUILDING -	1440 SF
24'x48' BUILDING -	1152 SF	40'x40' BUILDING -	1600 SF
40'x48' BUILDING -	1920 SF	48'x40' BUILDING -	1920 SF
24'x60' BUILDING -	1440 SF	48'x48' BUILDING -	2304 SF
40'x60' BUILDING -	2400 SF	48'x60' BUILDING -	2880 SF
24'x40' BUILDING -	3360 SF	144'x40' BUILDING -	5760 SF

APPLICABLE CODES

1998 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR

1998 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(1997 UNIFORM BUILDING CODE VOLUMES 1-3 AND 1998 CALIFORNIA AMENDMENTS)

1998 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(1996 NATIONAL ELECTRICAL CODE AND 1998 CALIFORNIA AMENDMENTS)

1998 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
(1997 UNIFORM MECHANICAL CODE AND 1998 CALIFORNIA AMENDMENTS)

1998 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(1997 UNIFORM PLUMBING CODE AND 1998 CALIFORNIA AMENDMENTS)

1998 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(1997 UNIFORM FIRE CODE AND 1998 CALIFORNIA AMENDMENTS)

1998 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 CCR

(1998 TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS)

APPLICABLE STANDARDS

NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS - 1996 EDITION

NFPA 14 - STANDPIPE SYSTEMS - 1993 EDITION

NFPA 17A - WET CHEMICAL SYSTEMS - 1990 EDITION

NFPA 24 - PRIVATE FIRE MAINS - 1992 EDITION

NFPA 72 - NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) - 1996 EDITION
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

NFPA 253 - CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS - 1989 EDITION

NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS - 1994 EDITION
REFERENCE CODE SECTION FOR NFPA STANDARDS - CBC (SFM) 3504.1

LEGEND

SYMBOL	DESCRIPTION
1/1	DETAIL (1) ON SAME SHEET AS SYMBOL
1/2	DETAIL (1) ON SHEET (2)
1	KEY NOTE (1) ON SAME SHEET AS SYMBOL
A/2	SECTION "A" ON SHEET (2)
1	REVISION/CHANGE IN DRAWING. (1) IS FIRST REVISION
CLOUD	HIGHLIGHTS CHANGED AREA
1	DOOR REFERENCE
A	WINDOW REFERENCE
EL	ELECTRICAL ITEM(S) SEE ELECTRICAL DRAWINGS
HV	HEATING/VENTILATING & AIR CONDITIONING ITEM(S) SEE MECHANICAL DRAWINGS
PLG	PLUMBING ITEM(S) SEE MECHANICAL DRAWINGS
STR	STRUCTURAL ITEM(S) SEE STRUCTURAL DRAWINGS
FIN	FINISH ITEM(S) SEE FINISH SCHEDULE
RAMP	RAMP - SEE RAMP DRAWINGS

ABBREVIATIONS

AGC	ABOVE GRADE CONCRETE
BGC	BELOW GRADE CONCRETE
DIA	DIAMETER
CLR	CLEAR
GA	GAUGE
SIM	SIMILAR
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSB	ORIENTED STRAND BOARD
SIM	SIMILAR
STS	SELF TAPPING SCREW
STSMS	SELF TAPPING SHEET METAL SCREW
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
ROH	ROOF OVERHANG

WITH THE SIGNING OF THESE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDA. WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWINGS AND SPECIFICATIONS, AND ANY ADDENDA THERETO.

SHEET INDEX - SITE SET-UP

ARCHITECTURAL

STRUCTURAL

MECHANICAL

ELECTRICAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPROVED
AC MF FILE FR SS ED
DATE JAN 0 9 2004

RAMP

STKP-53

REVISIONS			
5			
4			
3			
2			
1			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal
REGISTERED PROFESSIONAL ENGINEER
[redacted]
DATE 1-30-2000

Architect's Seal
LICENSED ARCHITECT
GEORGE C. ERVIN
No. C-25616
REN 1-30-01
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC DF F/LS SS MM
DATE SEP 07 1999
Pro: Laurie Lettieri
ACP: D. Pinkerton

MODTECH

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

DUAL SLOPE

STOCKPILE #53
CLASS LEASING INC #3513

4012-107 80 MPH
100- 24x40 CLASSROOMS

DRAWN BY:
DATE:
CHECKED BY:
DATE:

MODTECH Index No.

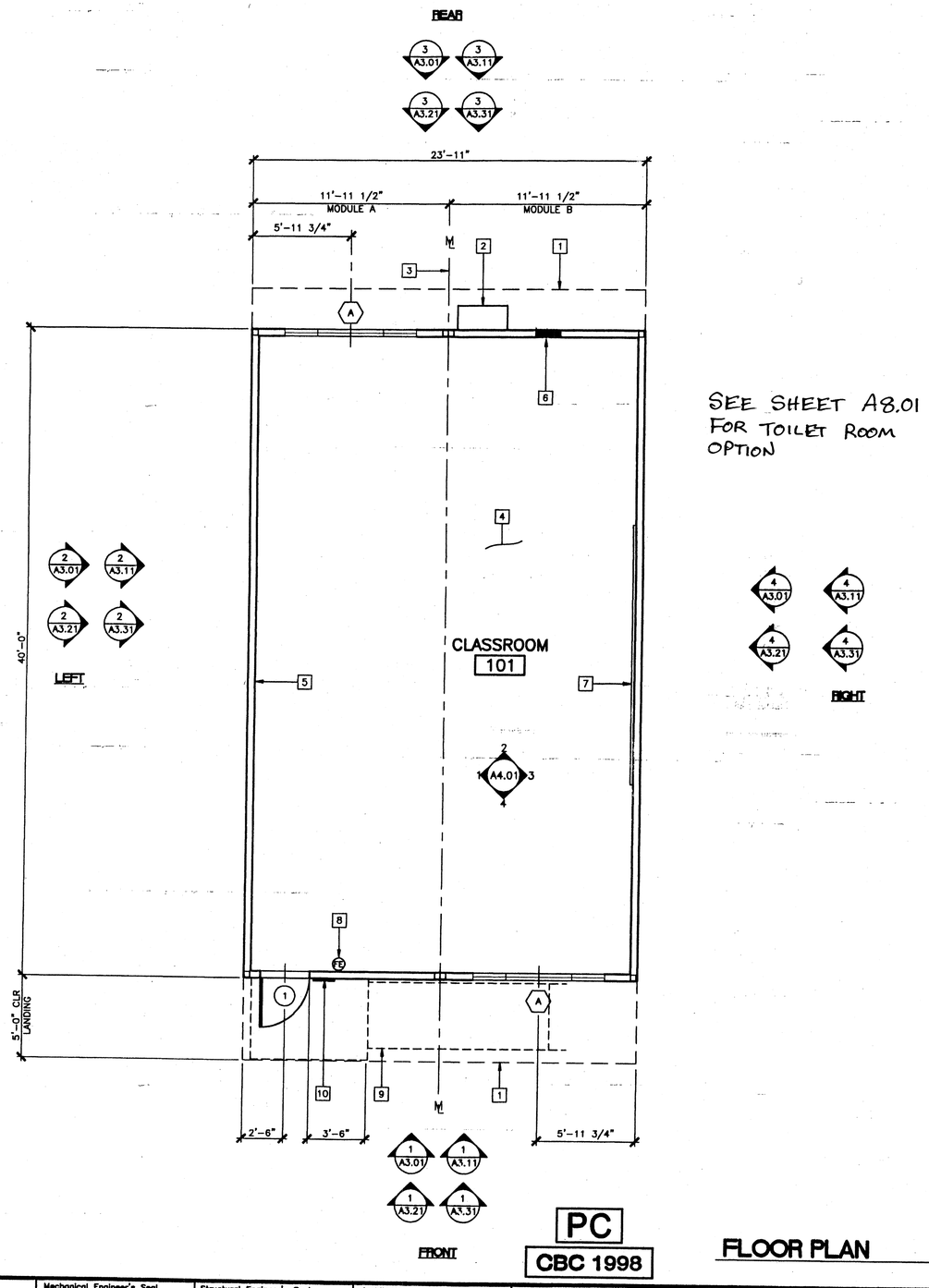
COVER SHEET

A0.01

PROJECT NO. 3513 (3705, 3753, 3880, 3860, 3904, 3905, 4032, 4124)

PC-04-101268

FILE PATH: 2440-A0-01.DWG



SEE SHEET A8.01 FOR TOILET ROOM OPTION

KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. MODLINE (ML)
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. ELECTRICAL PANEL (EL)
7. 2- 8'X4' MARKER BOARDS (SEE SPECIFICATIONS FOR TYPE)
8. FIRE EXTINGUISHER – 5 POUNDS DRY CHEMICAL WITH 2A – 10BC UL RATING ON WALL MTD BRACKET, HANDLE AT 48" AFF
9. RAMP/LANDING (RAMP)
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. 5/A5.01

NOTES

1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING, SHOW DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, ROOF AND FLOOR DESIGN LIVE LOAD AND DESIGN WIND LOAD
2. INSULATION MATERIALS INSTALLED WITHIN FLOOR/CEILING ASSEMBLIES, ROOF–CEILING ASSEMBLIES, WALLS, CRAWL SPACES OR ATTICS SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
   (1) FOAM PLASTIC INSULATION SHALL COMPLY WITH SECTION 2602
   (2) WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES III, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE–DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH (CBC SECTION 707.3)
   (3) CELLULOSE LOOSE FILL INSULATION SHALL COMPLY WITH CPSC 16 CFR PARTS 1209 AND 1404
3. INTERIOR SIDE WALLS MAY BE LOCATED ON EITHER SIDE OF MODLINE
4. DISTRICT TO PROVIDE OCCUPANT LOAD SIGN PRIOR TO OCCUPANCY.

FILE PATH: 2440-A1.01.DWG

PC

CBC 1998

FLOOR PLAN

(24'x40')

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

REVISIONS			Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 101268 AC. DATE SEP 07 1999
1						LICENSED ARCHITECT GEORGE C. CRAWFORD No. C 2956 Exp. 9.30.01 STATE OF CALIFORNIA	
2							
3							
4							
5							

MODTECH INC.
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PROJECT NUMBER:

STOCKPILE #53
CLASS LEASING INC #3513

4012-107 80 MPH
100- 24x40 CLASSROOMS

FLOOR PLAN 24'x40'

DRAWN BY:
DATE:
CHECKED BY:
DATE:

MODTECH Index No.
A1.01

PC-04-101268 PROJECT NO. 3904 3905 4010 4032 4036 3513 3720 3745 3753 3880 3860

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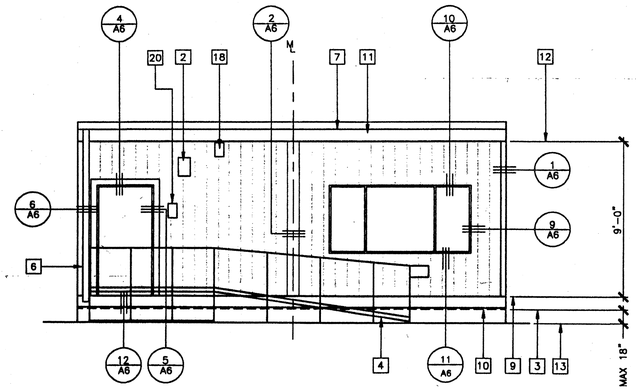
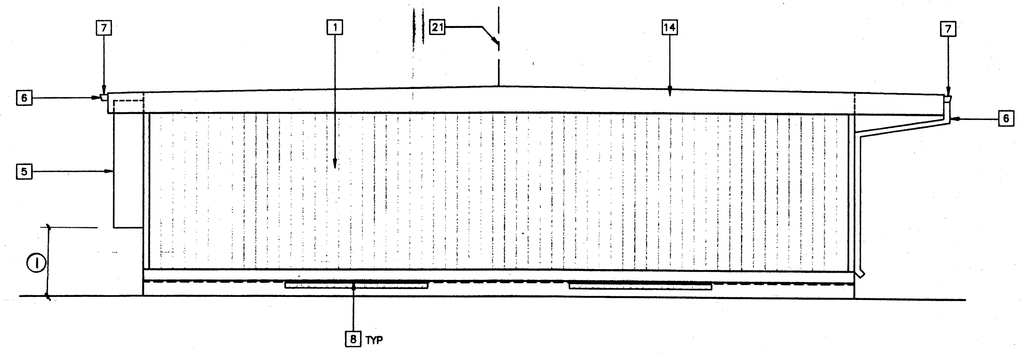
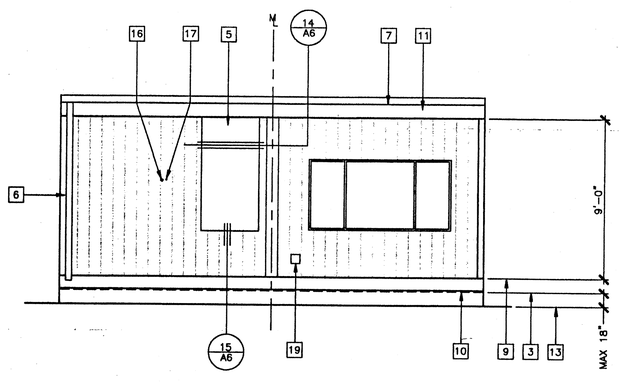


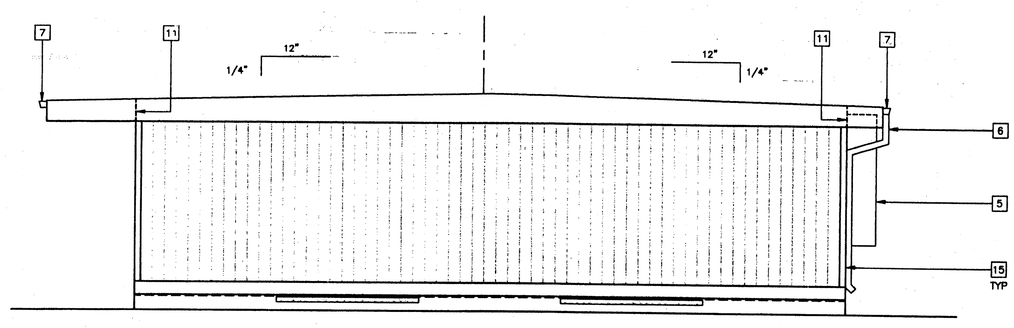
1 FRONT ELEVATION



2 LEFT SIDE ELEVATION



3 REAR ELEVATION



4 RIGHT SIDE ELEVATION

KEY NOTES

1. TYPICAL EXTERIOR FINISH SEE EXTERIOR FINISH SCHEDULE BELOW.
2. EXTERIOR LIGHT FIXTURE (EL)
3. TOP OF SKIRTING
4. RAMP AND LANDING – R1.01
5. HVAC UNIT (HV)
6. DOWNSPOUT FASTEN TO BUILDING TYPICAL (3) PLACES – 16/A2.03
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN)
8. FOUNDATION VENT (SEE FOUNDATION PLAN)
9. FINISH FLOOR LINE
10. FLOOR BEAM (STR)
11. ROOF HEADER (STR)
12. TOP OF COLUMN
13. FINISH GRADE
14. ROOF BEAM (STR)
15. COLUMN (STR)
16. ELECTRICAL STUB-OUT (EL)
17. GROUND STUB-OUT (EL)
18. J-BOX FOR EXTERIOR FIRE ALARM HORN (EL)
19. GUTTER BOX (EL)
20. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. 5/A5.01
21. RIDGE

NOTES

1. IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" PROTECTION MUST BE PROVIDED

EXTERIOR FINISH SCHEDULE

NOTE: SEE SPECIFICATIONS FOR DETAILED DESCRIPTION OF FINISH OPTIONS.

STANDARD – 5/8" PLYWOOD SIDING

OPTIONAL – 5/16" GROOVED FIBER CEMENT BOARD

OPTIONAL – 5/16" FIBER CEMENT BOARD WITH TEXTURED ELASTOMERIC COATING SYSTEM

OPTIONAL – EXTERIOR PLASTER OVER LATH

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APP03 115335
AC MF FLS 12 SS ED
DATE JAN 08 2014

PC
CBC 1998

EXTERIOR ELEVATIONS

26 GA DUAL PITCH (24'x40')
SCALE: 1/4" = 1'-0"

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal
LICENSED ARCHITECT
GEORGE C. McCOY
No. C 2956
REN. 9-30-01
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC DF FLS SS GM
DATE SEP 07 1999

MODTECH INC.
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PROJECT NUMBER:

STOCKPILE #53
CLASS LEASING INC #3513

4012-107 80 MPH
100- 24x40 CLASSROOMS

DRAWN BY: 3904
DATE: 3745
CHECKED BY: 3720
DATE: 7/6/00 3513
MODTECH Index No.

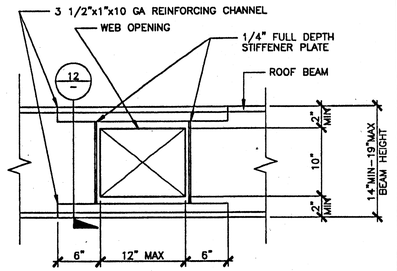
EXTERIOR ELEVATIONS 26 GA DUAL PITCH 24'x40'

A3.01

PROJECT NO. 4032.

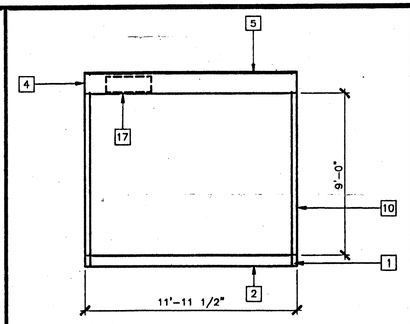
PC-04-101268

FILE PATH: 2440-A3.01.DWG



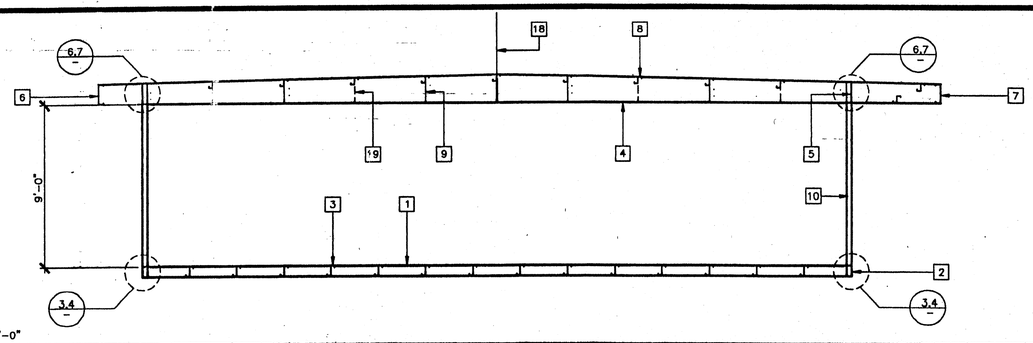
SCALE: NTS

OPTIONAL BEAM PENETRATION 11



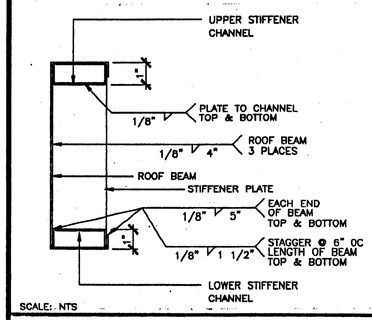
SCALE: 1/4"=1'-0"

SECTION AT END WALL B



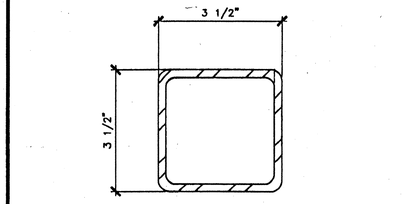
SCALE: 1/4"=1'-0"

SECTION AT SIDE WALL A



SCALE: NTS

PENETRATION REINFORCMENT 12

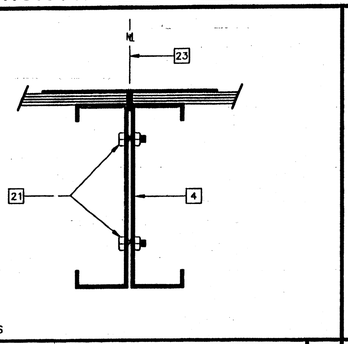


ASTM A-500, GRADE B

SEE TABLE S3.01

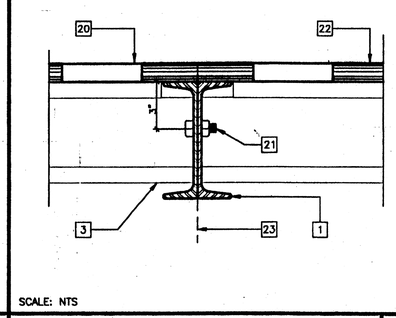
SCALE: 6"=1'-0"

TUBE STEEL COLUMN/STIFFENER 8



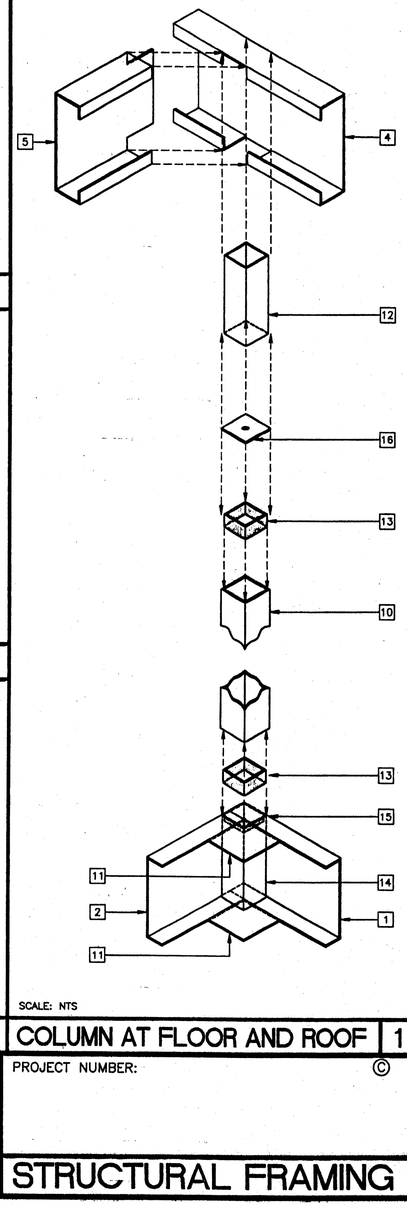
SCALE: NTS

MODULE CONNECTION AT ROOF 5



SCALE: NTS

MODULE CONNECTION AT FLOOR 2



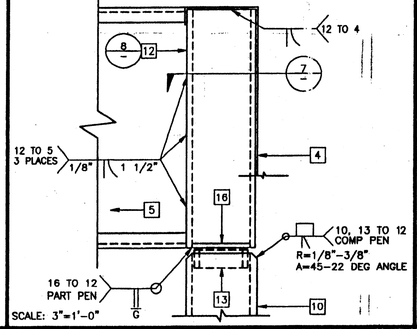
KEY NOTES

1. FLOOR BEAM – 1/S1
2. FLOOR HEADER – 1/S1
3. FLOOR JOIST – 2/S1
4. TAPERED ROOF BEAM – 1/S2.01
5. ROOF HEADER – 2/S2.01
6. ROOF FASCIA AT 2'–6" OVERHANG – 3/S2.01
7. ROOF FASCIA AT 5'–0" OVERHANG – 3/S2.01
8. ROOF PURLIN – 4/S2.01
9. 1/4" FULL DEPTH STIFFENER PLATE AT 8'–0" OC TYPICAL ALIGN WITH PURLIN – 9/S2.01
10. TUBE STEEL COLUMN, SEE TABLE BELOW, 8/S3.01
11. 3 1/2"x3 1/2"x1/4" STEEL STIFFENER PLATE. WHEN CONCRETE FOUNDATIONS ARE USED REPLACE LOWER PLATE WITH 5"x8"x1/4" ANCHOR BOLT PLATE – 3/S1
12. 3 1/2"x3 1/2"x1/4" TUBE STEEL STUB
13. (1) 3"x3"x10 GA. TUBE STEEL BACK UP TUBE OR (4) 10 GA BACK UP PLATES
14. 3 1/2"x3 1/2"x1/4" ANGLE STIFFENER
15. BACK-UP PLATE – 10 GA MIN
16. 1/4" BASE PLATE – INSERT FLUSH WITH STIFFENER TUBE
17. HVAC DUCT OPENING – 12/S2.01
18. RIDGE
19. 1/4" FULL DEPTH STIFFENER PLATE AT 4'–0" OC AT EXTERIOR SIDEWALLS ONLY FOR 80 MPH DESIGN WIND LOAD ONLY
20. HAND HOLE AT BOLT LOCATION
21. 5/8" MB A307 AT MODULE CONNECTION JOINT – SEE FLOOR/ROOF FRAMING PLANS
22. FLOOR SHEATHING
23. MODULE JOINT

ASTM A-36

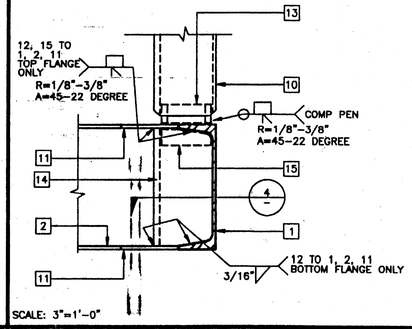
SCALE: 6"=1'-0"

STIFFENER ANGLE 9



SCALE: 3"=1'-0"

COLUMN AT ROOF 6



SCALE: 3"=1'-0"

COLUMN AT FLOOR 3

SCALE: NTS

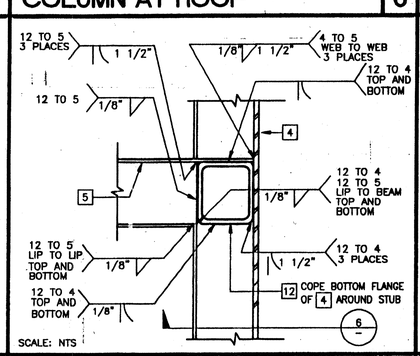
COLUMN AT FLOOR AND ROOF 1

WEB OPENING	PLATE SIZE	PLATE OPENING
6"ø	12"x12"	6 1/4"ø
8"ø	14"x14"	8 1/4"ø
10"ø	16"x16"	10 1/4"ø

18" MIN SPACING EDGE OF HOLE TO EDGE OF HOLE

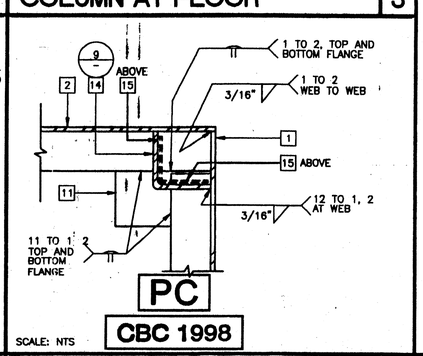
SCALE: NTS

OPTIONAL BEAM PENETRATION 10



SCALE: NTS

COLUMN AT ROOF 7



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SCALE: NTS

STIFFENER AT FLOOR 4

COLUMN SIZE TABLE

DESIGN WIND LOAD	COLUMN SIZE
70 MPH	3 1/2"x3 1/2"x1/4"
80 MPH	3 1/2"x3 1/2"x5/16"

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APP03 115335
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PC 1023 65
AC FLS SS
DATE JUL 0 6 2001

FILE PATH: 2440-S3.01.DWG

PROJECT NO. 4032 4134

REVISIONS

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2			
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5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

REGISTRATION EXPIRES 2000

Architects Seal

LICENSED ARCHITECT JAC C. EMERSON No. C 2956 REN. 9-30-01 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04-101263
AC FLS SS
DATE SEP 07 2001

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

STOCKPILE #53
CLASS LEASING INC #3513

4012-107 80 MPH
100- 24x40 CLASSROOMS

DRAWN BY:
DATE:
CHECKED BY:
DATE: 7/6/00

3720 3745 3513

MODTECH Index No.

STRUCTURAL FRAMING 26 GA DUAL PITCH S3.01

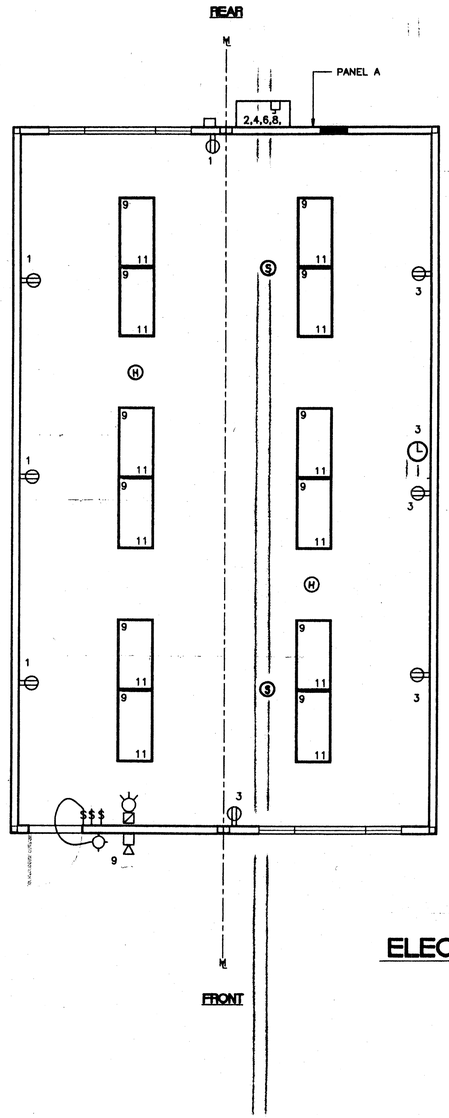
PC-04-101268

ELECTRICAL PANEL SCHEDULE

MAIN: 100 AMP 12 POLE | PANEL: A | LOCATION: REAR/INTERIOR | FEED: REAR | MOUNTING: FLUSH

LOAD	WATTS A∅	WATTS B∅	BREAKER Amps	BREAKER P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A∅	WATTS B∅	LOAD
RECEPTACLE (4)	720		20	1	1			2	2	50	3360		HVAC (3 1/2T)
RECEPTACLE/CLOCK (5)		720	20	1	3			4	–	–		3360	HVAC (3 1/2T)
					5			6	2	30	2500		HEAT STRIPS (5KW)
					7			8	–	–		2500	HEAT STRIPS (5KW)
INT/EXT LIGHTS (13)	900		20	1	9			10					-
INT. LIGHTS (12)		840	20	1	11			12	–	–		40	FIRE ALARM (DEDICATED)
WATTS/PHASE A = 7480	1620	1560									5860	5900	B = 7460 WATTS/PHASE
TOTAL 15385 WATTS	65 AMPS				120/240 VOLTS						SINGLE ∅		THREE WIRE

NCL = 13160 WATTS



SEE SHEET A8.01 FOR TOILET ROOM OPTION

ELECTRICAL PLAN (24'x40')

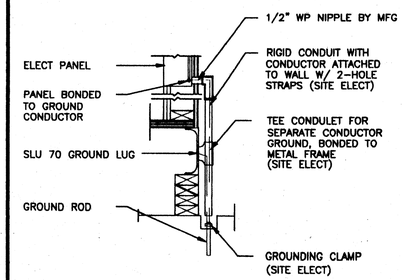
SCALE: 1/4" = 1'-0"

PC

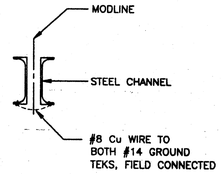
CBC 1998

GENERAL GROUNDING NOTES

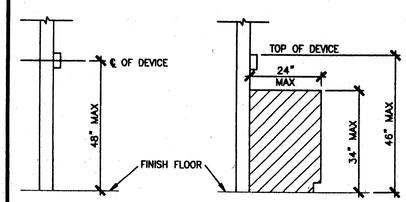
1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
4. GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.



TYP GROUNDING DETAIL | 1



GROUND JUMPER AT MOD LINE | 2



DEVICE MOUNTING | 3

ELECTRICAL LEGEND

- 2'x4' 4 TUBE FLUORESCENT LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE AT +93" AFF
- $ SWITCH AT +48" AFF
- $3 3WAY SWITCH AT +48" AFF UON
- DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, TO ℄ 3/4" CO TO OR . PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE AT +80" AFF 3/4" CO TO PULLSTRING
- 4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO TO . PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- (H) **4SD J BOX FOR HEAT DETECTOR (ATTIC) ***
- (S) **4SD J BOX FOR SMOKE DETECTOR (ATTIC) ***

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR TITLE 24, SECTION 1632A AND TABLE 16A-O. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT WEIGHING LESS THAN 400 LBS & HUNG EQUIPMENT WEIGHING LESS THAN 20 LBS MAY BE OMITTED FROM THE PLANS.

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

EQUIPMENT ON GRADE	20% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	30% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 TIMES THE ABOVE VALUES, AND FOR SIMULTANEOUS VERTICAL FORCE USE 1/3 TIMES THE HORIZONTAL FORCE.

THE ABOVE VALUES ARE FOR AN IMPORTANCE FACTOR, I = 1.0 AND SEISMIC ZONE, Z = 4

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE FIELD ENGINEER OF THE OFFICE OF THE STATE ARCHITECT.

* 2. SMOKE AND HEAT DETECTORS SHOWN ARE FOR OPTIONAL AUTOMATIC DETECTION. IF ELECTED AS AN OPTION MODTECH WILL PROVIDE 4SD BOXES AND 3/4" CO MOUNTED ON UNDERSIDE OF ROOF PURLINS. DEVICES PROVIDED AND INSTALLED BY OTHERS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 1023 65
APP'D FLS SS
DATE JAN 0 8 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC MF FLS SS GD
DATE JAN 0 8 2014

FILE PATH: 2440-E1.01.DWG

3904, 3905 4032

PROJECT NO. PC-04-101268

REVISIONS	Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architects Seal	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
1			LICENSE EXPIRES 6-30-2000	LICENSED ARCHITECT GEORGE C. No. C 2956 REN. 9-30-01 STATE OF CALIFORNIA	PC-04 101268 AC MF FLS SS GD DATE SEP 07 1998
2					
3					
4					
5					

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

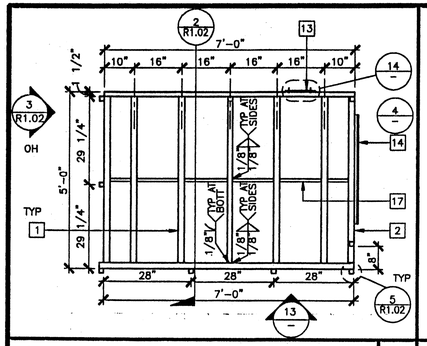
PROJECT NUMBER:

STOCKPILE #53
CLASS LEASING INC #3513
4012-107 80 MPH
100- 24x40 CLASSROOMS

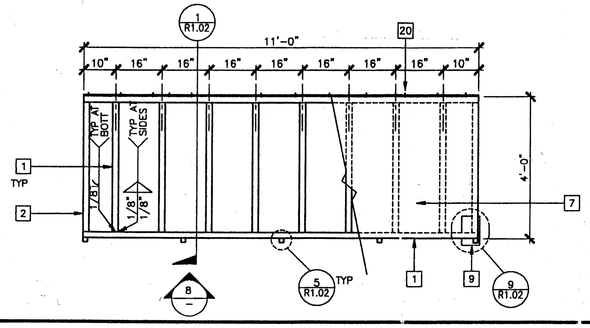
DRAWN BY: 3860 3880 3753 3745 3720 3513
DATE:
CHECKED BY:
DATE: 7/6/00

MODTECH Index No.

ELECTRICAL PLAN 24'x40' E1.01

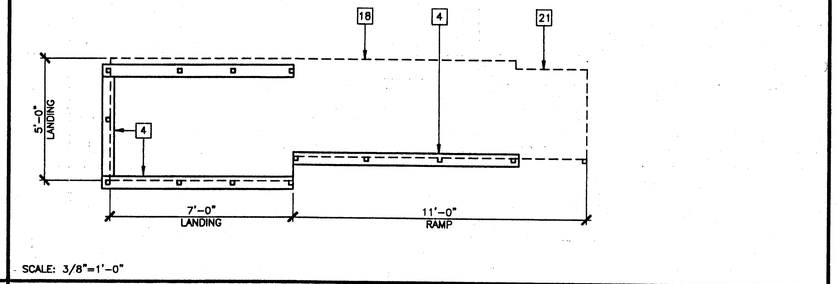


LANDING FRAME 12



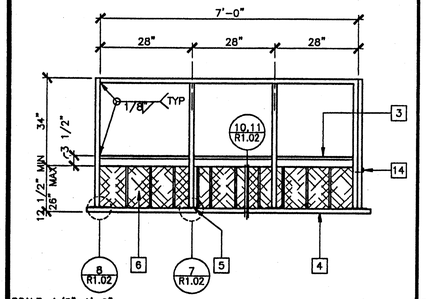
SCALE: NTS

RAMP FRAME 7



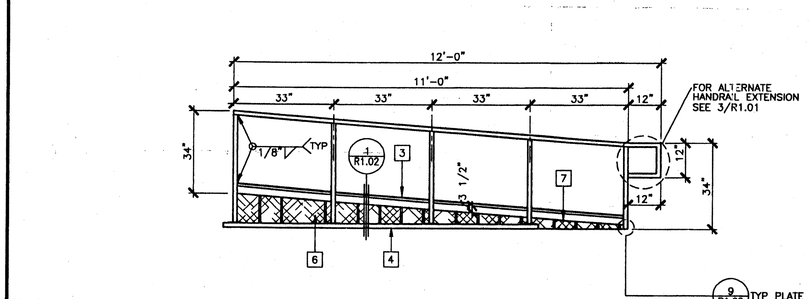
SCALE: 3/8"=1'-0"

SILL PLAN FOR RAMP AND LANDING 1



SCALE: 1/2"=1'-0"

LANDING ELEVATION 13



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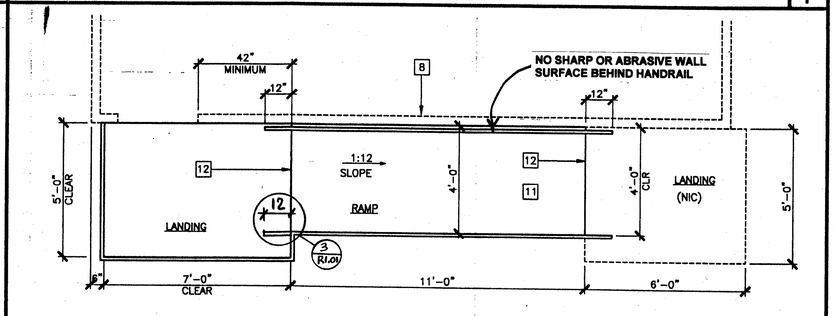
RAMP ELEVATION 8

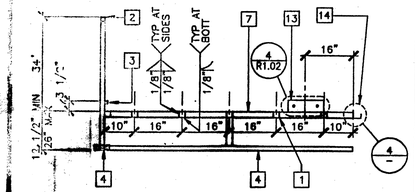


SCALE: 3/8"=1'-0"

RAMP AND LANDING AT BUILDING 2

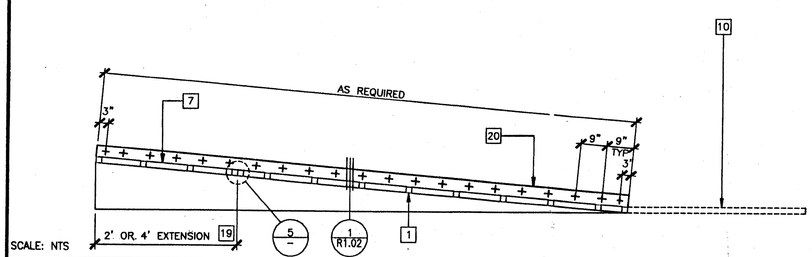
KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI). ROUNDED OR BEVELED AT CORNERS.
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH (2) 1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TUBE STEEL USE #14x2" TEK SCREWS AT 6" OC
7. 12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR
8. EXISTING BUILDING
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH
12. FLUSH TRANSITION
13. 6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. 2"x4"x 1/8" PLATE
16. TS 1 1/2"x1 1/2"x14 GA HANDRAIL – CONTINUOUS AND UNINTERRUPTED ROUNDED OR BEVELED AT CORNERS.
17. TS 1"x1"x16 GA
18. LINE OF RAMP/LANDING ABOVE
19. RAMP EXTENSION FRAME
20. 6"x10 GA CONTINUOUS PLATE WITH 1/4"x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO STEEL AT 9" OC
21. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
24. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.



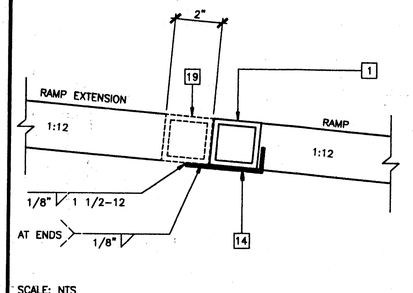
SCALE: NTS

SECTION AT LANDING 14



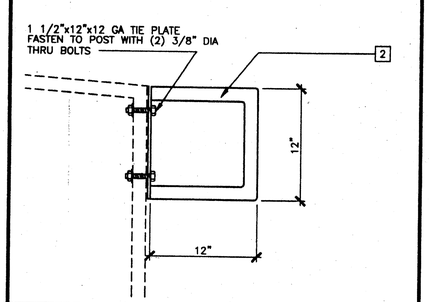
SCALE: NTS

LONGITUDINAL SECTION AT RAMP 9



SCALE: NTS

RAMP EXTENSION TO RAMP 5



ALTERNATE GUARD RAIL EXTENSION 3

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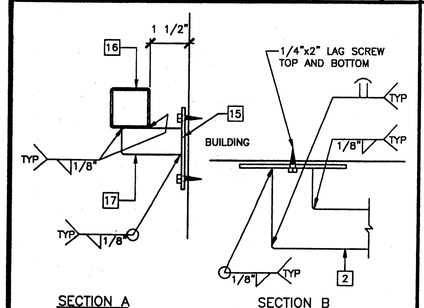
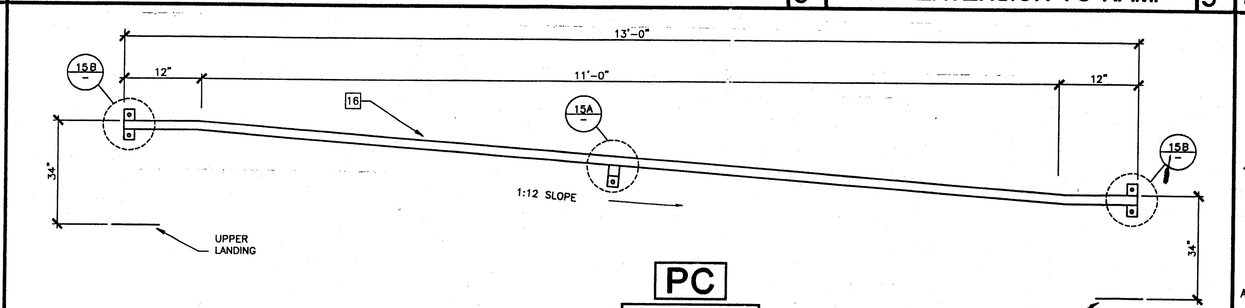
APP03 115335
AC MF FLS ✓ SS ED
DATE JAN 0 8 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 1023 65
FLS SS JD
DATE JUL 0 6 2000



SCALE: NTS

HANDRAIL CONNECTION 15



SCALE: NTS

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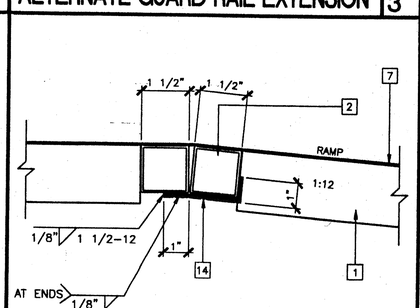
CBC 1998

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6



SCALE: NTS

RAMP AT LANDING 4

NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. SURFACE: LANDING & RAMP TO HAVE NON-SLIP SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 COPPER TO BOTH GROUND LUGS.
5. ARCHITECT SITE/RAMP/LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

4080

3904, 3905, 4010, 4032, 4/34

PROJECT NO. 3513

FILE PATH: 2440-R1.01.DWG

PC-04-101268

REVISIONS			
1			
2			
3			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
101268
AC DC FLS SS CDM
DATE SEP 0 7 1999

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

STOCKPILE #53
CLASS LEASING INC #3513

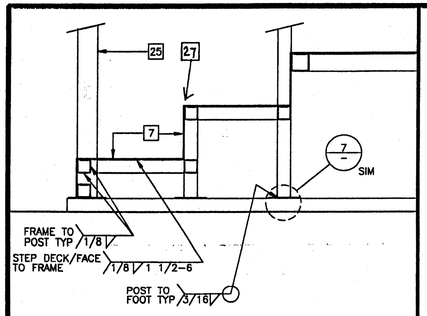
4012-107 80 MPH
100- 24x40 CLASSROOMS

DRAWN BY: 3860 3880 3753 3745 3720
DATE:
CHECKED BY:
DATE: 7/6/00

MODTECH Index No.

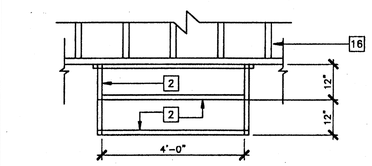
RAMP/LANDING

R1.01



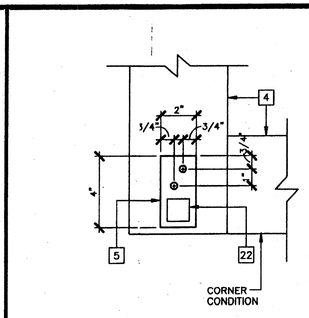
SCALE: 1 1/2"=1'-0" (OPTIONAL)

STAIR SECTION 16



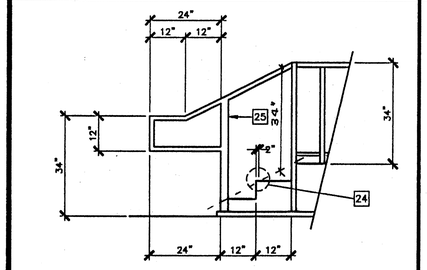
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR FRAMING PLAN 12



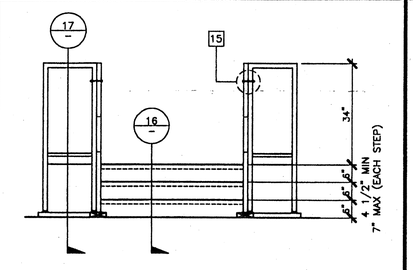
SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 8



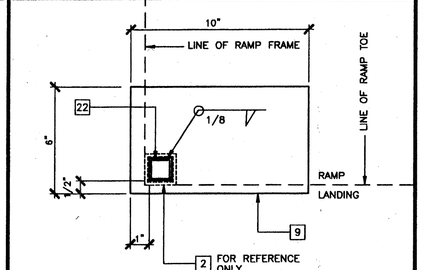
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 17



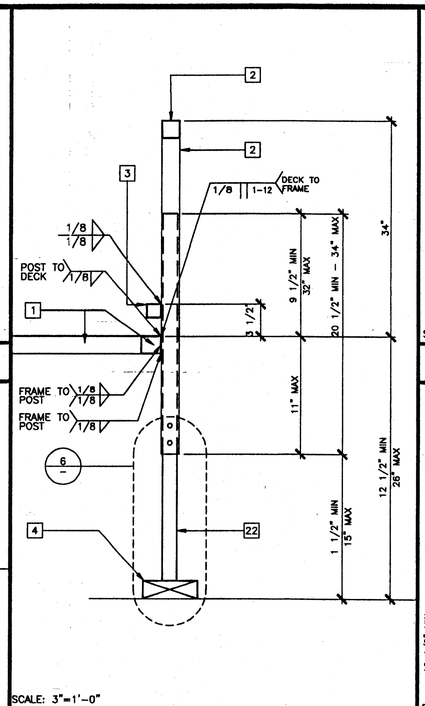
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 13



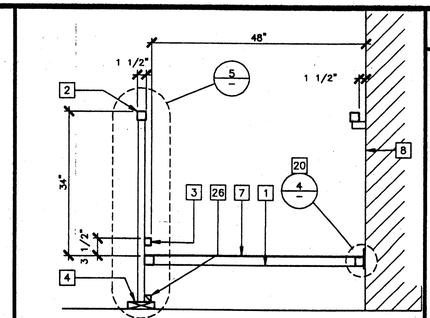
SCALE: 3"=1'-0"

BASE PLATE AT RAMP TOE 9



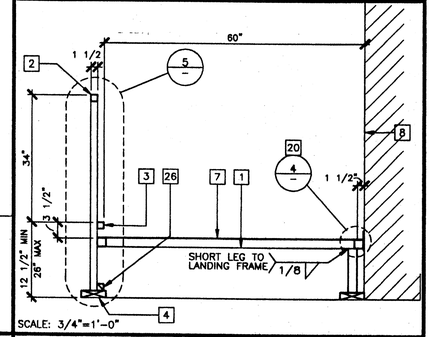
SCALE: 3"=1'-0"

ADJUSTABLE LEG 5



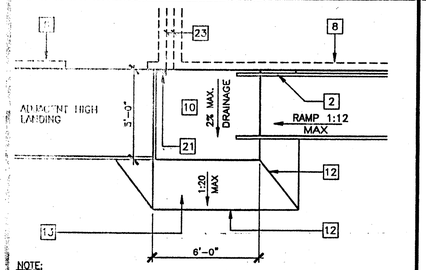
SCALE: 3/4"=1'-0"

SECTION AT RAMP 1



SCALE: 3/4"=1'-0"

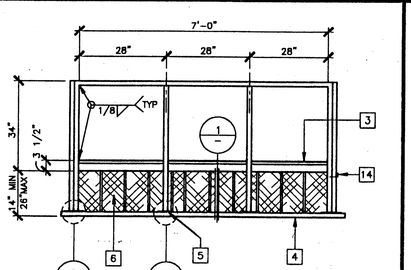
SECTION AT LANDING 2



NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT

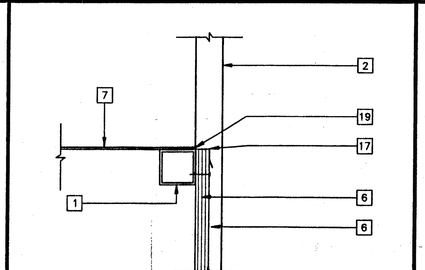
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 18



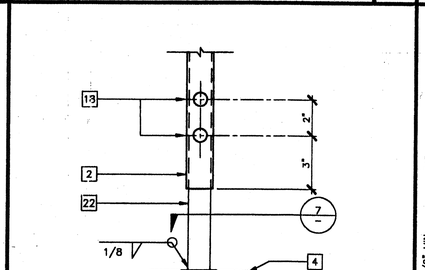
SCALE: NTS

LANDING ELEVATION 14



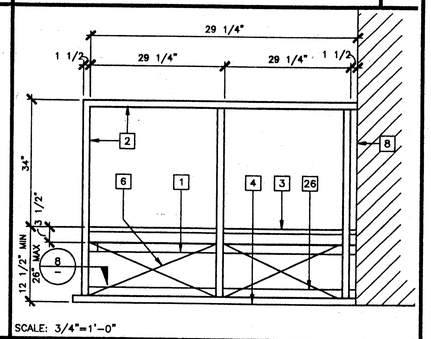
SCALE:3"=1'-0"

SKIRT FLASHING 10



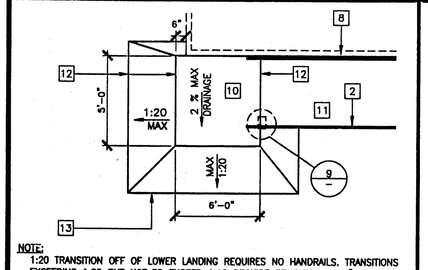
SCALE: 3"=1'-0"

ADJUSTABLE LEG 6



SCALE: 3/4"=1'-0"

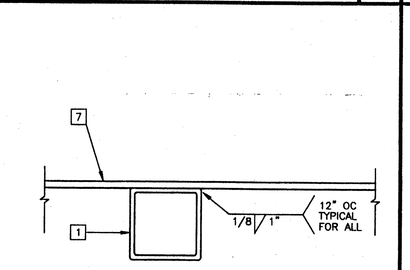
END ELEVATION 3



NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT

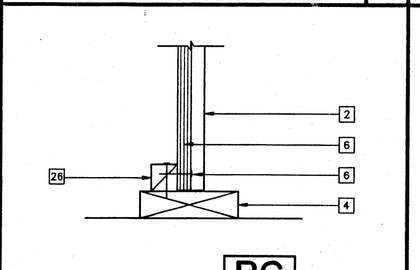
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 19



SCALE: NTS

SECTION AT INTERIOR FRAME 15



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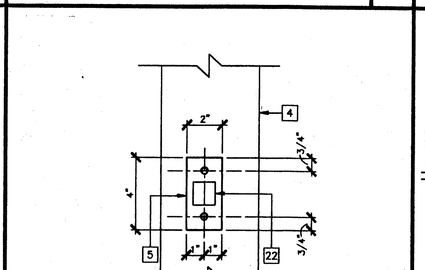
CBC 1998

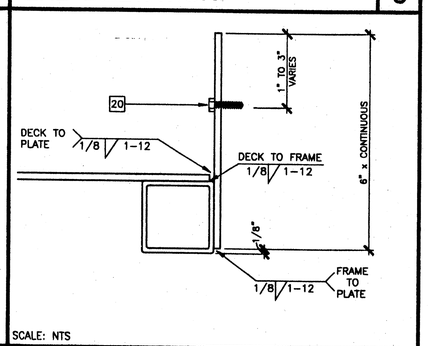
SCALE: 3"=1'-0"

SKIRT AT SILL PLATE 11



SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 7



SCALE: NTS

SECTION AT PLATE 4

KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39 KSI) ROUNDED OR BEVELED AT CORNERS.
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH 2-1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TS. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YR.
8. EXISTING BUILDING.
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE.
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH
12. FLUSH TRANSITION
13. PAVE BY DISTRICT
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. FASTEN POSTS WITH 3/8" DIA THRU BOLT, TYPICAL
16. RAMP LANDING, TYPICAL
17. 26 GA FLASHING
18. 3/8" DIAx2" LONG MB WITH NUT & WASHERS
19. CAULKING
20. 6"x10GA CONTINUOUS PLATE WITH #14x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO METAL AT 9" OC
21. PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
22. TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
23. 4" MINIMUM BUILDING SEPARATION
24. 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
25. TS 2 1/2"x1 1/2"x8 GA ASTM A500 GRADE A
26. 2"x2" NAILER WITH 16d AT 12" OC
27. PROVIDE ROUNDED OR BEVELED EDGES ON STAIR NOSING.

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APP03 115335
AC MF FLS ✓ SS ED
DATE JAN 0 8 2014

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OFFICE OF REGULATION SERVICES
04 1023 65
FLS SS
DATE JUL 0 6 2000

4086

FILE PATH: 2440-R1.02.DWG

3304, 3305 4010 1032, 4134

PROJECT NO.

PC-04-101268

REVISIONS

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3			
4			
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Electrical Engineer's Seal

Mechanical Engineer's Seal

Structural Engineer's Seal

Architects Seal

IDENTIFICATION STAMP
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101268
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DATE SEP 0 7 1000

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92572
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

STOCKPILE #53
CLASS LEASING INC #3513

4012-107 80 MPH
100- 24x40 CLASSROOMS

DRAWN BY: 3860
DATE: 3880
CHECKED BY: 3753
DATE: 7/6/00 3745
3720
3513

MODTECH Index No.

RAMP/LANDING DETAILS

R1.02

CLASS LEASING, INC.

P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

SPECIFICATIONS
RELOCATABLE CLASSROOMS

4.01 MATERIAL SPECIFICATIONS:

1. Structural framing shall be Hem Fir- Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2
2. Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-95. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' panels-minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.
3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-1981 & 2005 edition of **NDS** (the National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirement of 200 NDS. Bolt holes shall be 1/32 to 1/16 inch larger than bold diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.
4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2005 NDS Holes for lag screw shanks shall be bored the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 9.3 in NDS
5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.
6. Wood screws shall conform to ANSI/ASME Standard B18.6.1 and the requirements of the 2005 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations.
   Screws shall be steel with cut threads and bending yield strengths per Table 11.3 in NDS.
7. Wood members shall be cut or notched only as shown on structural drawings.
8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.
9. Structural nailing shall be with BOX NAILS per all requirements of 2005 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)
10. Nail equivalence:
    (provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)

    6d equals .113" DIA. - provide 1.36" minimum point penetration
    8d equals .131" DIA. - provide *1.57" minimum point penetration
    10d equals .148" DIA. - provide *1.78" minimum point penetration
    16d equals .162" DIA. - provide *1.94" minimum point penetration
    (* 1 1/2" at 2x members)

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members from agency approved by DSA. All foundation members shall be marked as "For ground contact (LP22)" or "For above ground use (LP2)" as appropriate. Treat all cut ends of pressure treated members with an approved preservative. (Willard W/B Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated per LP2.
12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.
13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.
14. Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.
15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.
16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).
17. Used lumber in good condition is acceptable for use in foundation system.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

In the case of equipment located in the State of California, the **LESSEE** (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater that 9" from level grade or have less than a **1000 PSF MINIMUM SOIL BEARING PRESSURE**.

Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to either place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

6.01 TEST AND INSTALLATION:

1. Provide Electrical Grounding Test per DSA IR E-1.
2. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

1. The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.
2. 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.

1.02 SCOPE OF WORK:

1. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable building as defined herein, shown and detailed on the drawings. In the case of a Stockpile: the modular relocatable building is manufactured in-plant and stored off-site until such time that it is relocated from the off-site storage location and installed on-site.
2. All requirements of **CCR** (California Code of Regulation)Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:
   a) General responsible charge of Field Administration by the Architect of Record.
   b) Inspection during the course of construction by an Inspector approved by **DSA** (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 District.
   c) On site inspection of the building installation, electrical and utility of the building installation or connection by an Inspector approved by the DSA and retained by the School District.
   d) Other special tests or inspections as may be required by DSA.
   Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

1. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
2. All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.
3. Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

1.04 ACCESSIBILITY OF SITE:

The School District shall provide access to the site for the installation of the building. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for move-in and removal of the buildings shall be the responsibility of the School District.

2.01 SITE ASSEMBLY:

1. Scope of Work: **Contractor** (Class Leasing Inc.) 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 and the District Architect.

2. Assembly of Elements:
   a) In a location on the site as determined by the District Architect. The contractor shall place the foundation 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.
   c) Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.

3.01 CARPENTRY:

1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.
2. Workmanship:
   a) FRAMING: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.
   b) NAILING: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
   c) Machine applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads 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.
   d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

APPLICABLE BUILDING CODES

ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2010 CBC

2010 CALIFORNIA CODE OF REGULATIONS (CCR)

-2010 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

-2010 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
(2009 INTERNATIONAL BUILDING CODE VOLUMES 1-3 WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)
(2008 NATIONAL ELECTRICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2009 UNIFORM MECHANICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2009 UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

-2010 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

-2010 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
(2009 INTERNATIONAL FIRE CODE WITH 2010 CALIFORNIA AMENDMENTS)

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED = 85 MPH (V) (3 SECOND GUST), K zt = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = IBC AND CBC 2007

SEISMIC DESIGN DATA: **MOMENT FRAME PC'S**
Basic Seismic-Force-Resisting System = STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)

I = 1.0 Csz = 0.286 R = 3.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sos = 1.0
S1 = 1.3 per CBC Figure 1613A.5(2) Soi = 1.3

SEISMIC DESIGN DATA: **SHEAR WALL PC'S**
Basic Seismic-Force-Resisting System = WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)

I = 1.0 Csz = 0.154 R = 6.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sos = 1.0
S1 = 1.3 per CBC Figure 1613A.5(2) Soi = 1.3

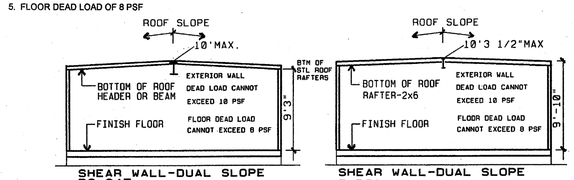
FLOOD DESIGN DATA: Project is not located in a flood zone

LIMITATIONS WOOD FOUNDATION PC ONLY:

WOOD FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

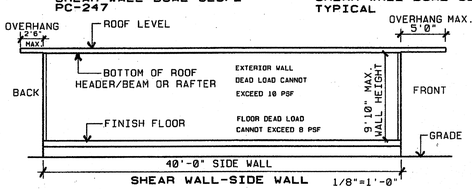
THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
   WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
   WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING.
   (HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
   WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)
5. FLOOR DEAD LOAD OF 8 PSF

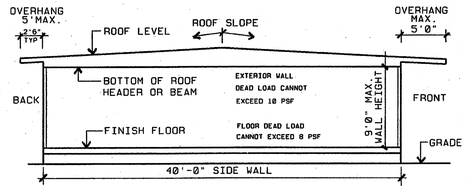


SHEAR WALL-DUAL SLOPE PC-247

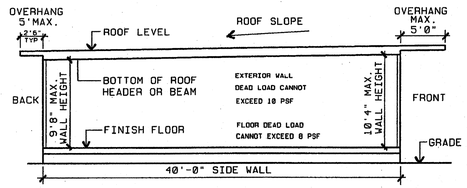
SHEAR WALL-DUAL SLOPE TYPICAL



SHEAR WALL-SIDE WALL 1/8"=1'-0"



DUAL SLOPE ROOF 1/8"=1'-0"



MONO SLOPE ROOF 1/8"=1'-0"

TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OF GENERAL RESPONSIBLE CHARGE TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, INC.

SHEET INDEX: STOCKPILE BUILDING FOUNDATION PC# 04-111441 – 2010 CODE UPDATE

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER.

CLASS LEASING- APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA- 24x40 SHEAR WALL

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
~~STKP 1525~~	~~52476~~	~~SHR~~	~~10/31/96~~	~~24x40~~	~~50~~	~~MODTECH~~
~~STKP 02~~	~~52512~~	~~10-13T SHR~~	~~11/08/96~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 01~~	~~52515~~	~~10-13T SHR~~	~~11/08/96~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 03~~	~~52514~~	~~SHR~~	~~11/08/96~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 23~~	~~52516~~	~~10-13T SHR~~	~~12/09/96~~	~~24x40~~	~~50#~~	~~AURORA~~
~~STKP 24~~	~~52517~~	~~10-13T SHR~~	~~12/09/96~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 22~~	~~53116~~	~~PC 86~~	~~10/03/96~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 24~~	~~56666~~	~~PC 86~~	~~08/14/01~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 13~~	~~61397~~	~~PC 247~~	~~06/29/04~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 77~~	~~57376~~	~~PC 247~~	~~11/16/97~~	~~24x40~~	~~50#~~	~~MODTECH~~

BUILDING DATA- 24x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
~~STKP 11~~	~~52452~~	~~MRF~~	~~02/19/01~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 20~~	~~56031~~	~~PC 79~~	~~05/18/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 21~~	~~56062~~	~~PC 79~~	~~05/18/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 58~~	~~56941~~	~~PC 79~~	~~11/08/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 5W~~	~~57161~~	~~PC 79~~	~~11/08/01~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 14~~	~~57375~~	~~PC 86~~	~~03/13/02~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 15~~	~~58288~~	~~PC 246~~	~~04/01/05~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 16~~	~~58661~~	~~PC 246~~	~~05/11/05~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 27~~	~~58436~~	~~PC 246~~	~~07/01/05~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 04~~	~~56040~~	~~PC 266~~	~~01/10/00~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 06~~	~~57998~~	~~PC 266~~	~~08/11/01~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 06~~	~~04-100917~~	~~PC 266~~	~~01/15/08~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 08~~	~~04-100555~~	~~PC 275~~	~~09/13/06~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
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~~STKP 18~~	~~04-101788~~	~~PC 101268~~	~~10/4/06~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 21~~	~~04-102015~~	~~PC 101268~~	~~09/4/06~~	~~24x40~~	~~50#, 50-20#~~	~~MODTECH~~
STKP 53	04-102365	PC 101268	07/06/00	24x40	50+20#	MODTECH
~~STKP 54~~	~~04-102824~~	~~PC 101268~~	~~10/31/06~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 20~~	~~04-101618~~	~~PC 101268~~	~~10/05/06~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 70~~	~~04-105300~~	~~PC 101804~~	~~05/03/07~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 76~~	~~04-105455~~	~~PC 101788~~	~~07/17/07~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 79~~	~~04-100000~~	~~PC 100804~~	~~10/4/07~~	~~24x40~~	~~50#~~	~~CURRENTOM~~

BUILDING DATA- 36x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 1	52476	MRF	12/18/91	36x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	36x40	70#	MODTECH
STKP 32	66310	PC 266	11/12/96	36x40	50+20#	MODTECH
STKP 34	67332	PC 266	03/11/97	36x40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10/07/99	36x40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	08/01/01	36x40	50#	MODTECH
STKP 65	04-104441	PC 101268	07/11/02	36x40	50+20#	MODTECH
STKP 71	04-106419	PC 100801	07/29/04	36x40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03/01/07	36x40	100#	MODTECH
STKP 74	04-108506	PC 107557	06/07/07	36x40	50+20#	SILVERCREEK
STKP 81	04-110319	PC 109598	04/09/09	36x40	50+20#	OMI
STKP 84	04-111101	PC 79	06/03/10	36x40	50+20#	MODTECH

BUILDING DATA- 48x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP SW	57194	PC 79	11/08/91	48x40	100#	MODTECH
STKP SW	57194	PC 79	11/08/91	48x40	70#	MODTECH
STKP 17	63289	PC 243	05/04/95	48x40	50+20#	MODTECH
STKP 41	04-100797	PC 266	11/29/99	48x40	50+20#	MODTECH
STKP 46	04-101617	PC 101268	10/07/99	48x40	50+20#	MODTECH
STKP 63	04-104179	PC 101268	04/18/02	48x40	50+20#	MODTECH

PRE-CHECK (PC) DOCUMENT
CODE: 2010 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC ✓ FLS ✓ SS GD
DATE JAN 0 8 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-112161
AC ✓ FLS 46 SS
DATE: FEB 01 2012
ACS: J. Schmitz FLS: T. Barge
SS: D. CONNOLLY

STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

REGISTERED PROFESSIONAL ENGINEER JAMES V. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2012

AUG 25 2011

CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943- 5768

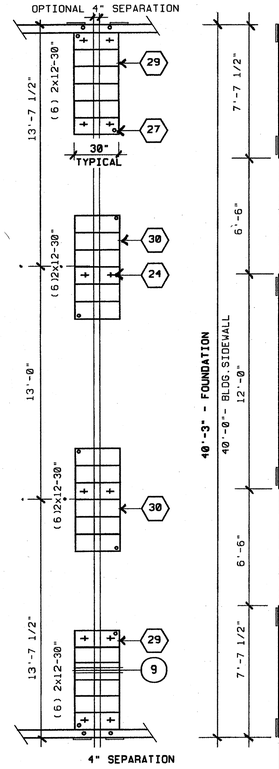
CLASS LEASING, INC.
STOCKPILE CLASSROOM
RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

24x40-50

DATE 08-15-2011
SCALE
DRAWN LAM-CLLS
JOB
SHEET **F1.0**

3"x24" END WALL VENTS
AS REQUIRED FOR ADJACENT
BUILDING APPLICATIONS
MIN.18" FROM MODLINES
MIN.18" FROM BLDG. CORNER
MIN.12" BLOCKING BETWEEN VENTS

OPTIONAL 4" SEPARATION



FOUNDATION PADS AT
ADJACENT BUILDINGS
1/4"=1'-0"

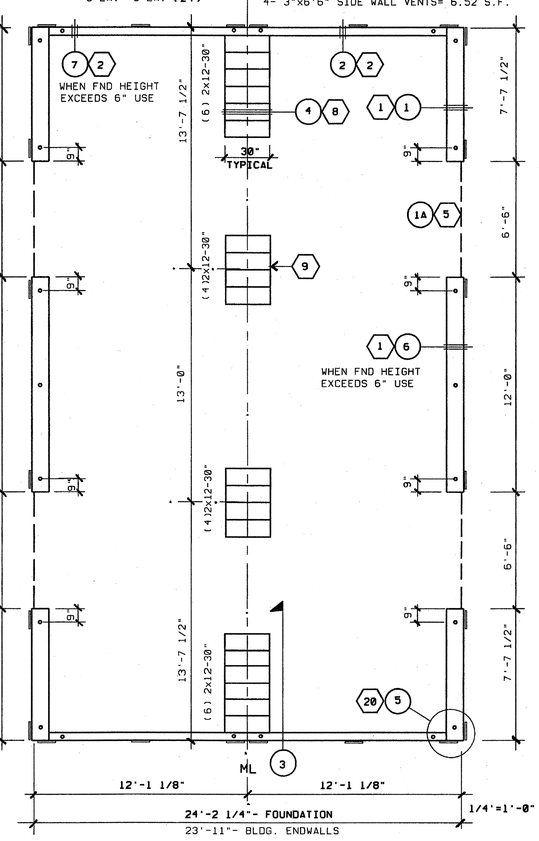
TIE PLATES:

85 MPH	END WALLS	SIDE WALLS	TOTAL
	6 EA.	6 EA.	(24)

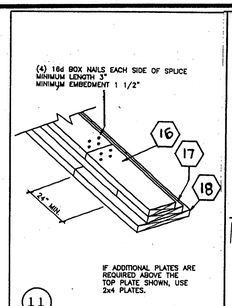
TYPICAL VENT: 1/4" CORROSION RESISTANT MESH.
PREFORMED L- SIZE REQUIRED WITH 3" RETURN.

BUILDING VENTILATION
AREA: 960 S.F./150= 6.4 S.F. ROD
3"x6'6" SIDE VENT = 1.63 S.F.

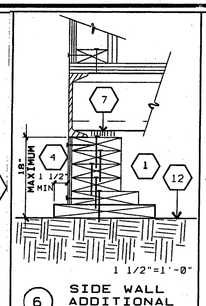
PROVIDE:
4- 3"x6'6" SIDE WALL VENTS= 6.52 S.F.



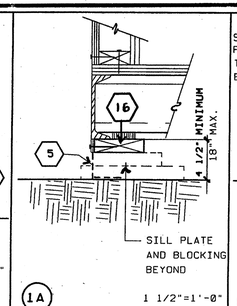
TYPICAL 24x40 FOUNDATION PLAN 50-PSF



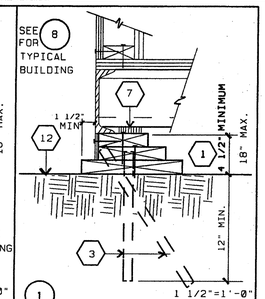
11 FOUNDATION SPLICE



6 SIDE WALL ADDITIONAL BLOCKING



1A VENT AT SIDE WALL

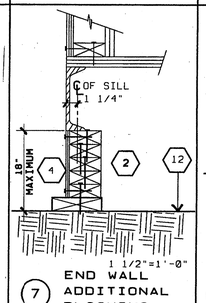


1 SIDE WALL FOUNDATION

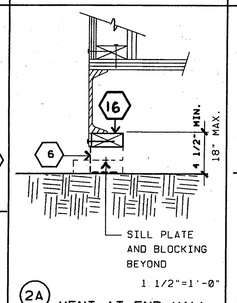
TYPICAL: NAILING (1) 16d BOX AT 4" O.C.

TYPICAL: PLATE TO PLATE,
PLATE TO BLOCK,
BLOCK TO BLOCK,
BLOCK TO PLATE,

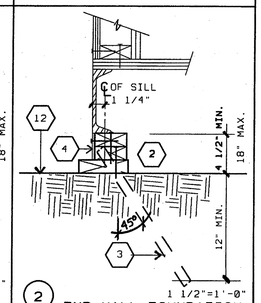
MINIMUM 6-16d PER BLOCK OR PLATE



7 END WALL ADDITIONAL BLOCKING

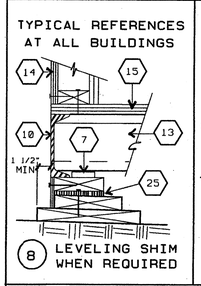


2A VENT AT END WALL

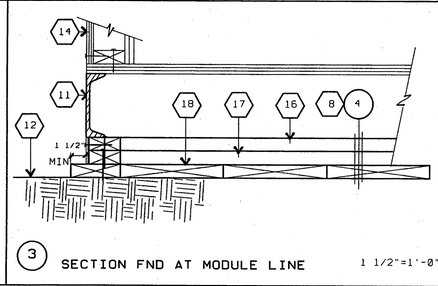


2 END WALL FOUNDATION

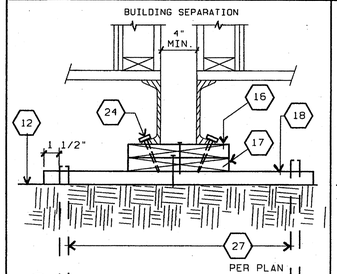
TYPICAL REFERENCES
AT ALL BUILDINGS



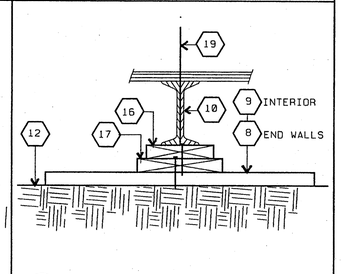
8 LEVELING SHIM WHEN REQUIRED



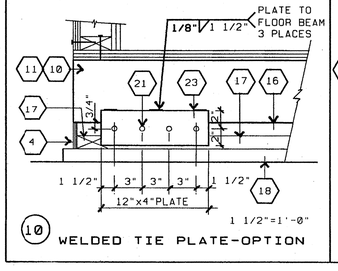
3 SECTION FND AT MODULE LINE 1 1/2"=1'-0"



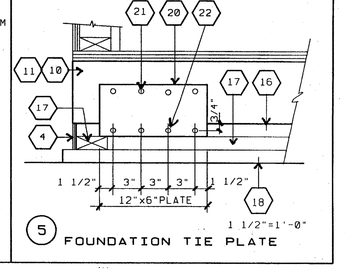
9 1 1/2"=1'-0" ADJACENT BUILDING



4 MODULE LINE 1 1/2"=1'-0"



10 WELDED TIE PLATE-OPTION 1 1/2"=1'-0"



5 FOUNDATION TIE PLATE 1 1/2"=1'-0"

KEY NOTES 24x40- 50 PSF FLOOR LOAD

FOUNDATION AT SIDE WALL

1 **TOP PLATE:** 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x12 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

FOUNDATION AT END WALL

2 **TOP PLATE:** 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

3 SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A

4 SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END
WALLS AND 6" O.C. AT SIDE WALLS, FIELD NAILING 12" OC

5 SIDEWALL VENT: 3" HIGH BY 6'-6" LONG. INSTALL UNDER SKIRTING.
SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 6" O.C.,

6 ENDWALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING.
SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.

7 SHIM: 5/8" X 2 1/2" WHEN REQUIRED

FOUNDATION AT MOD LINE / END WALL

8 **TOP PLATE**: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT)

FOUNDATION AT MOD LINE / INTERIOR WALL

9 **TOP PLATE**: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (4) 2x12x30" (PT)

10 FLOOR BEAM: C7x 9.8 TYPICAL

11 FLOOR HEADER: C7x 9.8 TYPICAL

12 FINISH GRADE

13 FLOOR JOIST

14 EXTERIOR FINISH

15 PLYWOOD SUB-FLOOR

16 TOP PLATE: CONTINUOUS

17 BLOCKING

18 SILL PLATE

19 MODLINE

20 TIE PLATE: 12" x 6" x 10 GA

21 PLATE ANCHOR: 4 -1/4" ϕ S.M.S. (1 1/2" MIN. EMBEDMENT)

22 PLATE ANCHOR: 4 -1/4" x 2" LONG LAG SCREWS (1 1/2" MIN. EMBEDMENT)

23 TIE PLATE: 12" x 4" x 10 GA

24 BUILDING ANCHORAGE: 6- 5/8" x 4" LAG SCREWS AT EACH BUILDING
(FOR LOCATION SEE PLAN AT ADJACENT BUILDINGS)

25 LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS PLATE. NAIL SHIM TO PLATE WITH (6) 10d BOX.

26 2" CUT OUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.

27 1" PIPE EACH END OF PAD AT ADJACENT BUILDING LINE.

28 THIS VENT TO BE LOCATED UNDER LANDING.
PROVIDE EQUAL AREA SCREENED VENTILATION IN LANDING SKIRT.

FOUNDATION AT BUILDING SEPARATION / END WALL

29 **TOP PLATE:** 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

30 **TOP PLATE:** 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

GENERAL NOTES

A. **SILL RESTRAINT**: THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE (ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE) BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES.

USE A ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPE OR ONE-INCH DIAMETER SOLID STEEL ROD SPACED AT NOT MORE THAN 10'-0". ONE PIPE/ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES/RODS PER DISCONTINUOUS FOUNDATION STRIP.

PIPES TO PENETRATE INTO SOIL AND OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. 18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT A 45 DEGREE ANGLE.

B. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.

C. A **WOOD SILL (FOOTING) PLATE** SHALL BE PRESSURE TREATED HEM FIR OR DOUG FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY, LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE INSPECTOR

D. **FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE**

E. THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN DIMENSIONS, THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.

F. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3 1/2" IN OVERALL LENGTH

G. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

PRE-CHECK (PC) DOCUMENT
CODE: 2010 CBC -
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC ✓ FLS ✓ SS 6D
DATE JAN 0 8 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-112161
AC — FLS — SS ✓
DATE: FEB 0 1 2012

24x40 - 50 PSF STOCKPILE CLASSROOM
RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No. 3802
STRUCTURAL
STATE OF CALIFORNIA
RENEWAL DATE EXPIRES 6-30-2012

DATE SIGNED
AUG 25 2011

CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943- 5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
24x40 - 50 PSF RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

DATE	08-15-2011
SCALE	
DRAWN	LAM-CLLS
JOB	24x40 50 PSF
SHEET	F2.0

CLASS LEASING INC STOCKPILE #23

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
55032 SEP 19 '90

24' X 40' RELOCATABLE BUILDING

FOR

P.C. — 79

SERIAL # 07779-80
07781-82
07795-86
07789-90
07793-94
07799-07800
07835-36
07899-07900
13727-13728

STOCKPILE BUILDINGS SITE SET-UP DRAWINGS

SHEET INDEX

APPROVED
FIRE AND PANIC ONLY
SEP 19 1990
STATE FIRE MARSHALL
SOUTHERN REGION

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 9/19/90

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 10-4-90

TITLE 24 & 1998 UBC

SEP 1990
State Fire Marshal
Southern Region
A55032

A WAIVER OF DURABILITY WILL BE REQUIRED, SIGNED BY THE SCHOOL DISTRICT FOR EACH APPLICATION NUMBER SUBMITTED ON THIS PRE-CHECK

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPOS 1153.35
AC ME FLS K SS 90
DATE JAN 08 2018

TESTING LABORATORY _____ DATE: _____
JOB NAME: _____
DISTRICT: _____
DIVISION-FILE NO. _____ APPLICATION NO. _____
ARCHITECT: _____
STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT OF GENERAL SERVICES
OFFICE OF THE STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

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

	CONCRETE	G/UNITE	GROUT	MORTAR	
COMPACTED FILL					
Fill material, acceptance tests					Test of aggregates for mix design only
Compaction control, continuous					Suitability tests of aggregates as detailed below
Compaction tests only as ordered					Mix designs
Bearing capacity of compacted fill					Continuous batch plant inspection
REINFORCING STEEL					Inspect placing
Sample and test bar steel					Sample
Sample and test mesh	X				Compression tests
Inspect placing at job					Pick up samples at job
STRUCTURAL STEEL					Samples delivered to laboratory
X Sample and test as detailed below					Deliver sample forms to jobsite
Shop fabrication inspection					Sample and test cement
Field erection inspection					
X Inspection of welds – Shop					
Inspection of welds – Field					
Inspection of riveting or bolting – Shop					
Inspection of riveting or bolting – Field					
Sample and test high strength bolts and washers					
BRICK AND BLOCK					
Sample and test					
Test only					
Inspection of placing					
Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
Fabrication inspection					
Sample and test steel accessories					
Inspect fabrication of steel accessories					

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

MIX DESIGNS: CONCRETE, BROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM					
CONCRETE	3/4"	2500 PSI					

C 12 x 20.7
C 7 x 9.8
C 6 x 2 1/2 x 14
C 7 x 2 1/2 x 14
C 12 x 4 x 11
TS 4" x 4" x 1/4"

List of structural steel members to be tested:

Is this list continued on reverse: Yes No

Other Tests and Inspections, together with special instructions:

GENERAL IN-PLANT INSPECTOIN
STRUCTURE GROUNDING TEST

CONCRETE PER TITLE 24 PART 5
SECTION 2604 (C) METHOD A TABLE 26-A-3.

(Are these instructions continued on reverse: Yes No)

Copies of Reports to:

By: Robert M. Salmon
AUTHORIZED REPRESENTATIVE

Form 411-11.

SYMBOLS

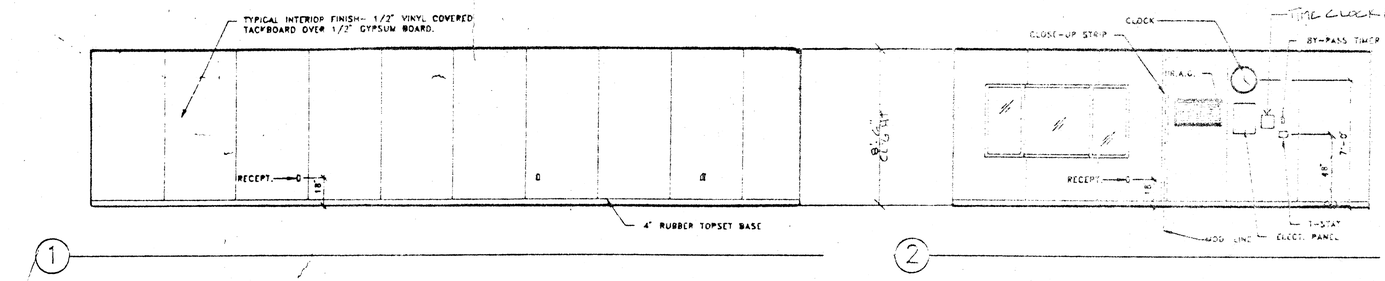
TYPE	SYMBOL	MEANING
DETAIL	(1)	DETAIL ON SAME SHEET AS SYMBOL
DETAIL	(1/2)	DETAIL NUMBER (1) ON SHEET NO. (2)
DETAIL	DET 5:2	DETAIL NUMBER (5) ON SHEET NO. (2)
NOTE	(1)	NOTE NO (1) ON SAME SHEET AS SYMBOL
NOTE	(4/1)	NOTE NUMBER (4) ON SHEET NUMBER (5)
NOTE	NOTE 4:3	NOTE NUMBER (4) ON SHEET NUMBER (3)
PANEL		PANEL TYPE SEE SH. (2) FOR FRAMING
SECTION	(A/2)	SECTION (A) ON SHEET (2)

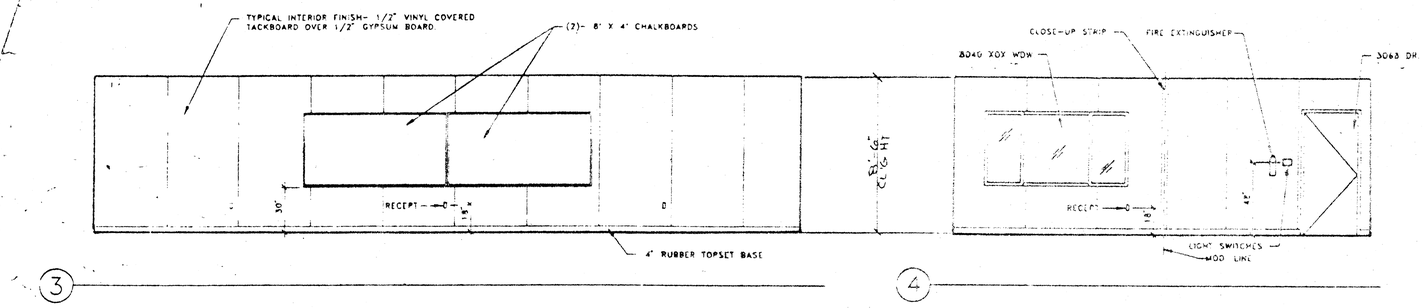
BUILDING DATA

OCCUPANCY	E-2
TYPE OF CONSTRUCTION	V-N
WIND LOAD	70 MPH WIND EXPOSURE "C"
FLOOR LIVE LOAD	50 lb./sq. ft.
ROOF LIVE LOAD	20 lb./sq. ft.
BUILDING AREA	960 sq. ft.
U.B.C. 1985	FIRE MARSHAL
C.B.C. 1988	STRUCTURAL
TITLE 24 C.A.C. 1988 U.B.C.	PART 2 1989 AMENDMENTS
TITLE 24 C.A.C. WITH 1988 C.A.C. 1991 N.E.C.	
SYSTEM: MODULES	MOMENT RESISTANT TWO (2) 12' x 40' MODULES

MODTECH, INC. 1969
195 ORGAN STREET
2270 (714)
24' x 40' GID FRAME CATARIE M

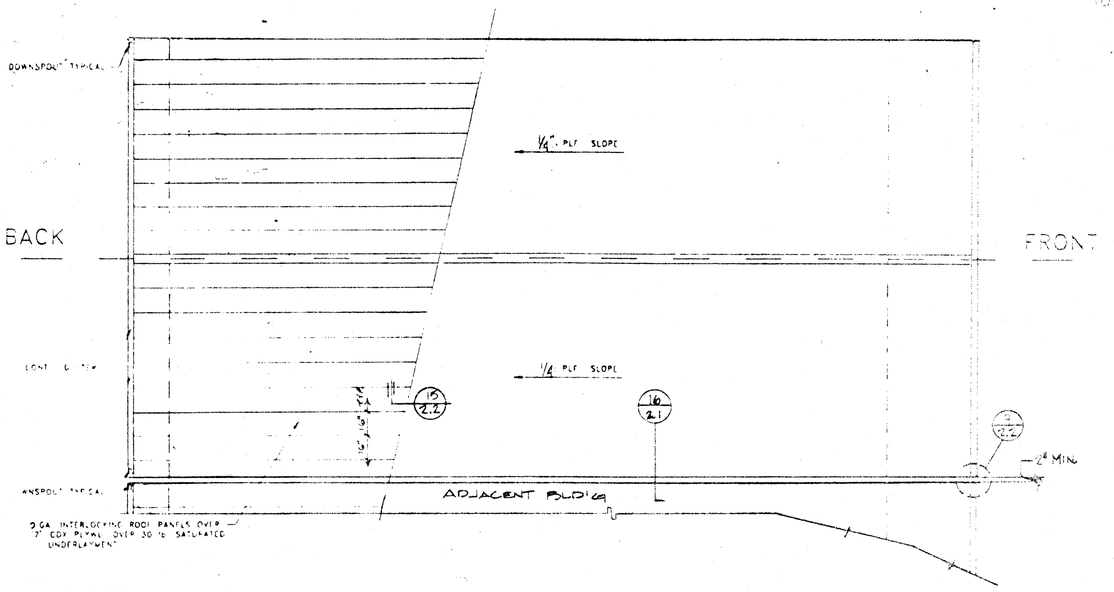
STKP-23
BINDING ORDER 1
8-22-89
REV 12-7-89
0
BK





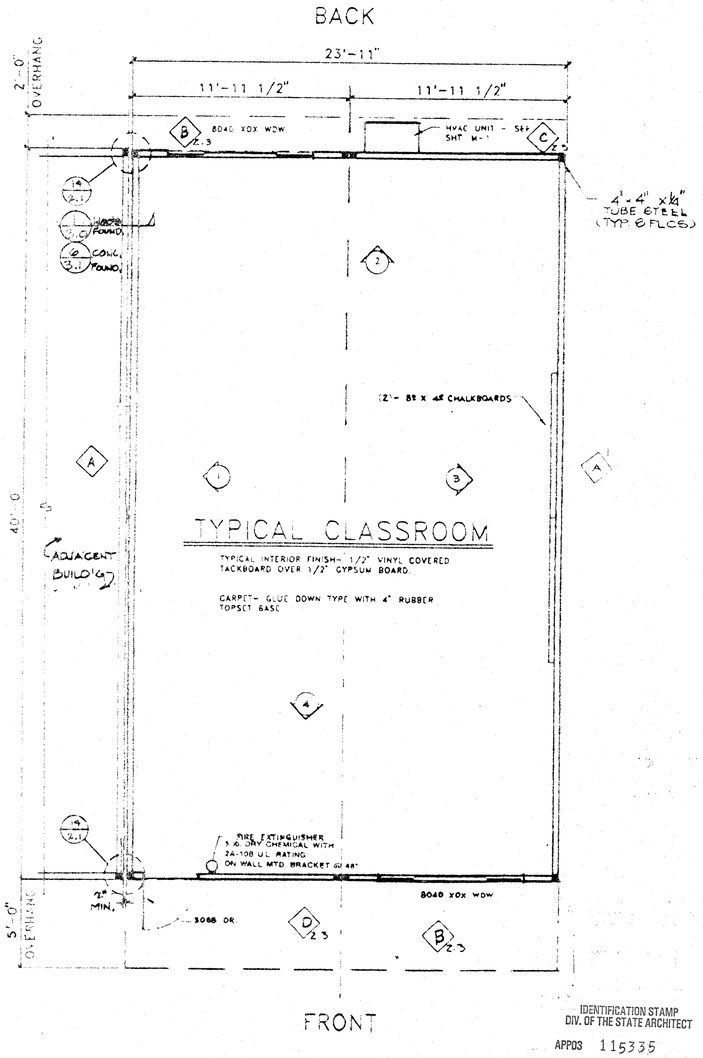
INTERIOR ELEVATIONS

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



ROOF PLAN

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



FLOOR PLAN

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

1. TYPICAL INTERIOR FINISH: VINYL COVERED TACKBOARD OVER 1/2" GYP. BD. OR 3/8" PLYWOOD VINYL TO BE CLASS 1 BACKING TO BE CLASS 2
2. WINDOWS: 8040 XOX ANODIZED ALUMINIUM, BRONZE GLAZING: 7/32" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LIGHT TRANSMISSION FACTOR RANGING BETWEEN 12% AND 16%. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. INTERNATIONAL WINDOW CORP SERIES 1400
3. FINISH FLOORING: SIZZER 25 oz., TYPES 1 & 2 CLASS 1A & 2A, 6000 DENSITY, DIRECT GLUE DOWN WITH 4" TOP SET.
4. METAL TAG ON ALL MODULES, MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING. SHOW O.S.A. APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER.
5. PAINT COLORS:

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
55032 SEP 19 '90

APPROVED FIRE AND PANIC ONLY
SEP 19 1990
STATE FIRE MARSHAL SOUTHERN SECTION

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP# 115335
AC MF FLS ED
DATE JAN 0 8 2018

O.S.A.
REVISED
A.C.S.
FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
OCT 4 1989
STATE FIRE MARSHAL SOUTHERN SECTION

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

24' x 40'
RIGID FRAME
RELOCATABLE
CLASSROOM
STOCKPILE 103.

STKP-23
BINDING ORDER 2
6-22-89
REV. 12-7-89
1.0
R02440B

TITLE 24 & 1988 UBC

D.S.A.
IDENTIFICATION STAMP
REVISED
Structural Safety Section
Appl # FC 79
A.C.S.

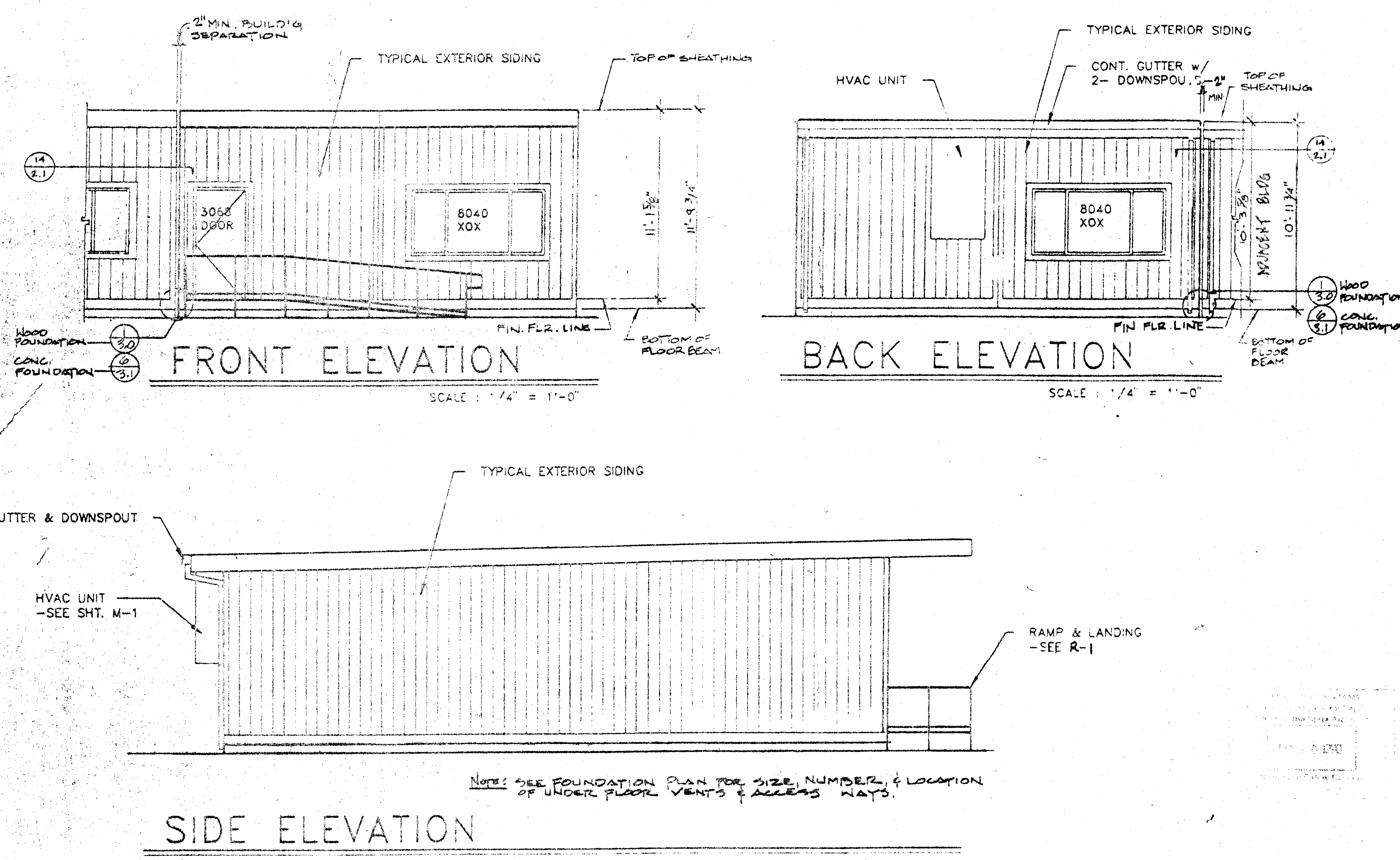
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
55032 SEP 19 '90
APPLICATION NO. PER W. Jud Boies

FIRE MARSHAL

APPROVED
FIRE AND PANIC ONLY
SEP 19 1990
STATE FIRE MARSHALL
SOUTHERN REGION

APPROVED
FIRE AND PANIC ONLY
OCT 4 1989
STATE FIRE MARSHAL
SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
EDWARD LINDSAY
No. 776
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 12-31-92



TITLE 24 & 1988 UBC
SEP 18 1990
Structural Safety Section
Appl. #
Rechecked By 55347

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC MF FLS TC SS ED
DATE JAN 0 8 2014

55347 NOV 26 '90

MODTECH, INC.

195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

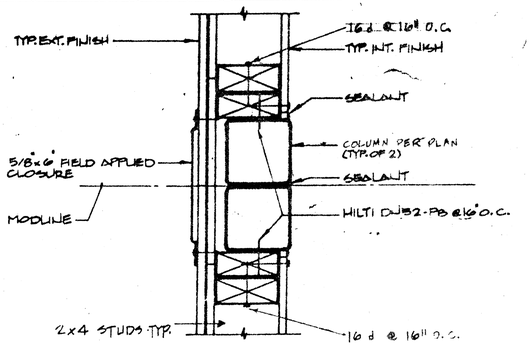
JOB #1430
TOTAL 150 BUILDINGS
MODTECH STANDARD
24' x 40'
RIGID FRAME
RELOCATABLE
CLASSROOM
STOCKPILE 103

STKP-23

BINDING ORDER 3

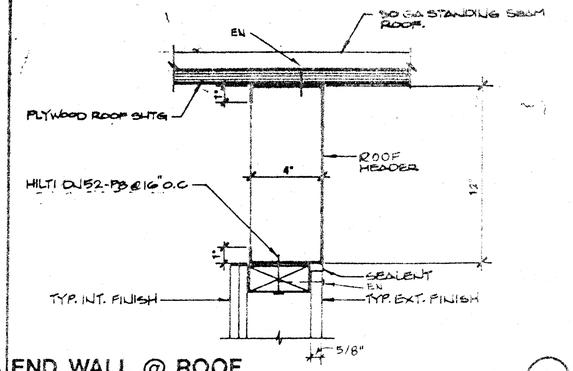
6-22-89
REV 12-7-89

R02440B



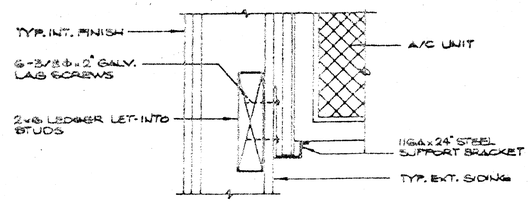
COLUMNS @ MODLINE

SCALE: 3" = 1' (13)



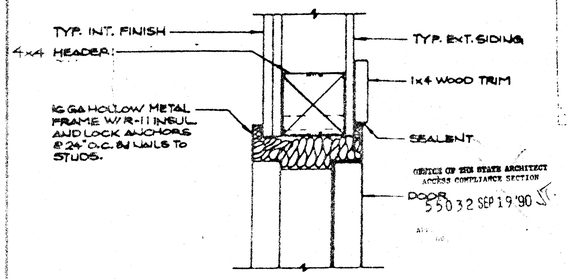
END WALL @ ROOF

SCALE: 3" = 1' (9)



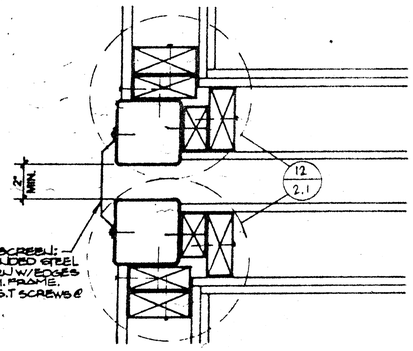
A.C UNIT - BOTTOM

SCALE: 3" = 1' (5)



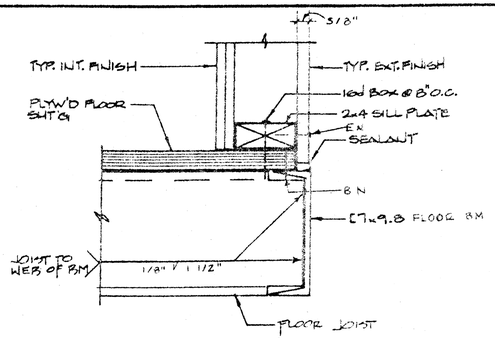
HEADER

SCALE: 3" = 1' (1)



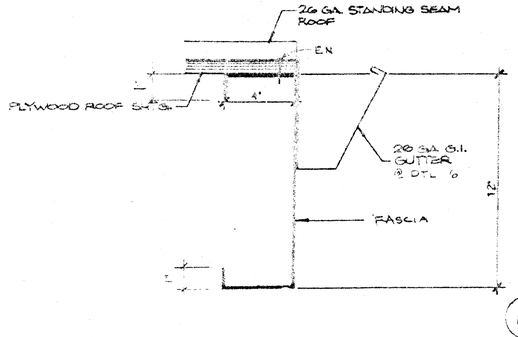
CLOSURE BETWEEN BLDGS

SCALE: 3" = 1' (14)



FLOOR FRAME @ WALL

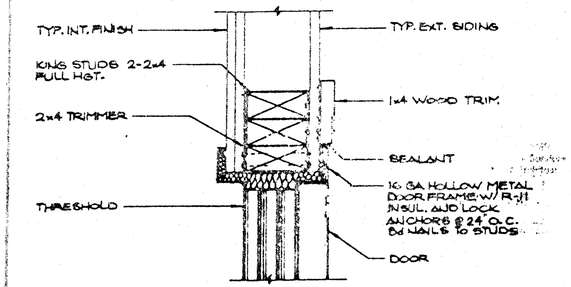
SCALE: 3" = 1' (10)



6A

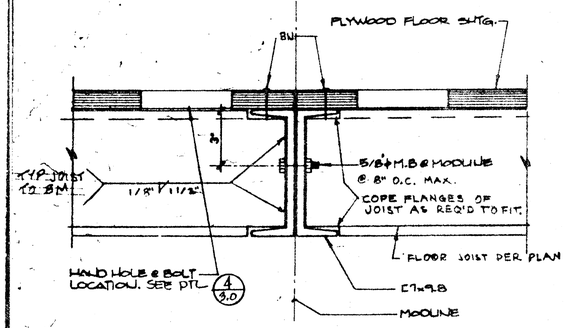
FASCIA

SCALE: 3" = 1' (6)



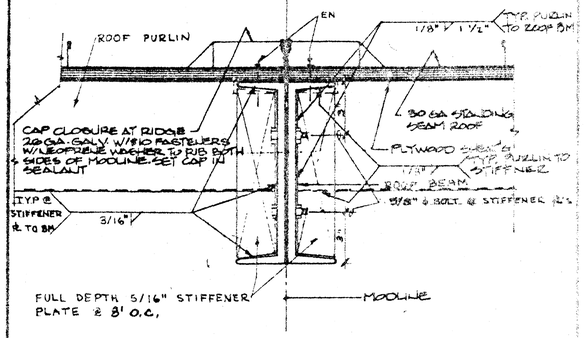
DOOR JAMB

SCALE: 3" = 1' (2)



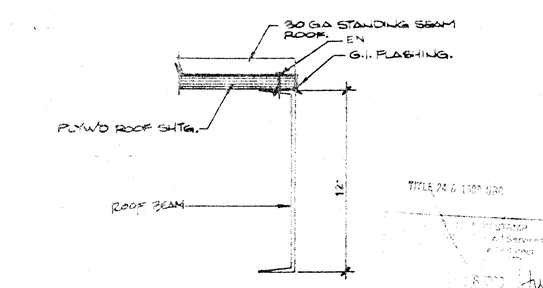
MODULE JOINT @ FLOOR

SCALE: 3" = 1' (15)



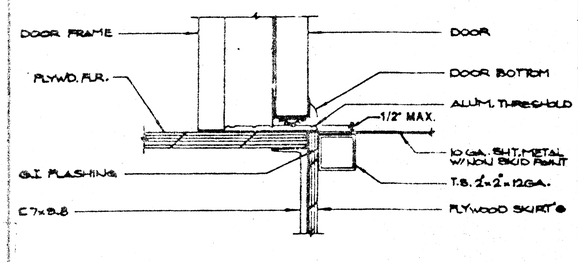
ROOFING @ MODLINE

SCALE: 3" = 1' (11)



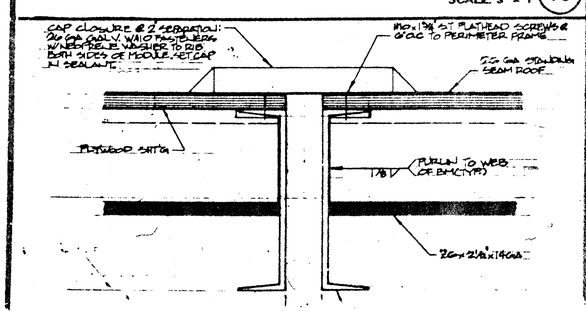
FASCIA @ SIDE WALL

SCALE: 3" = 1' (7)



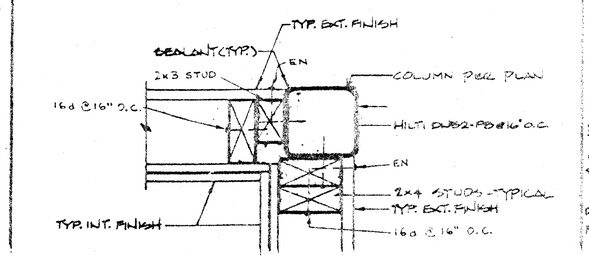
THRESHOLD

SCALE: 3" = 1' (3)



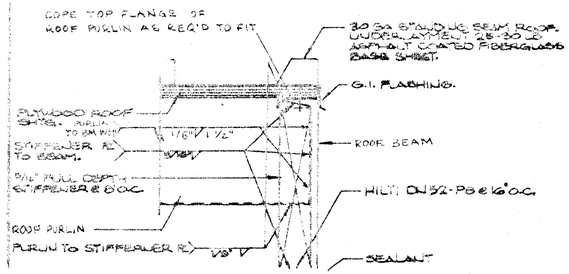
ROOF CAP @ 2" SEPARATION

SCALE: 3" = 1' (16)



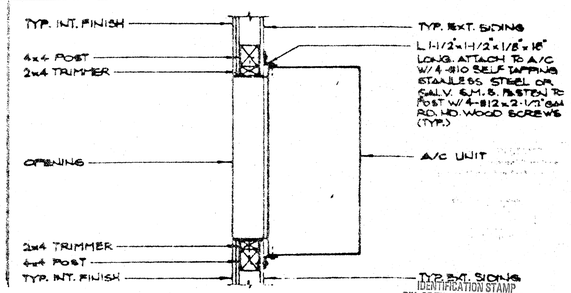
CORNER COLUMN

SCALE: 3" = 1' (12)



SIDE WALL @ ROOF

SCALE: 3" = 1' (8)



A.C UNIT

SCALE: 1" = 1' (4)

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

RELOCATABLE CLASSROOM BUILDINGS

MODTECH STANDARD
24' x 40'
RIGID FRAME
RELOCATABLE
CLASSROOM
STOCKPILE 103

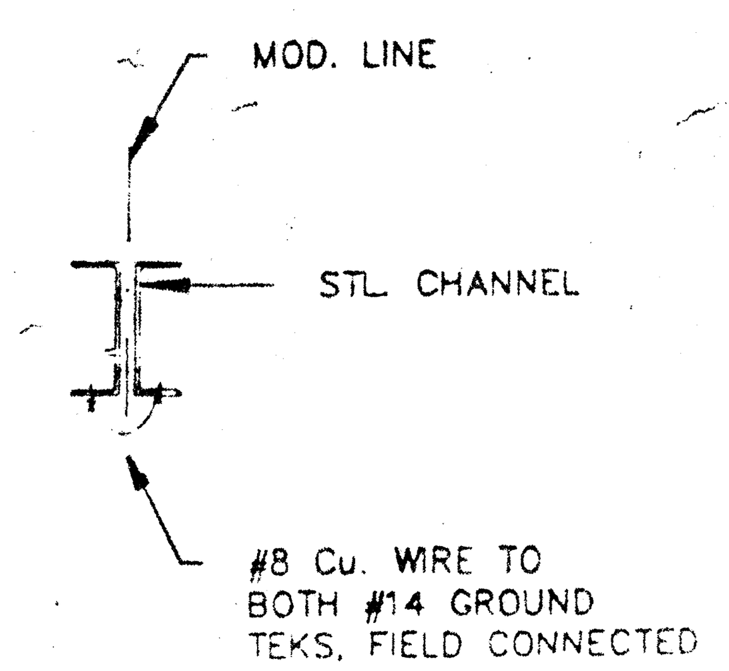
STKP-23

BINDING ORDER 5

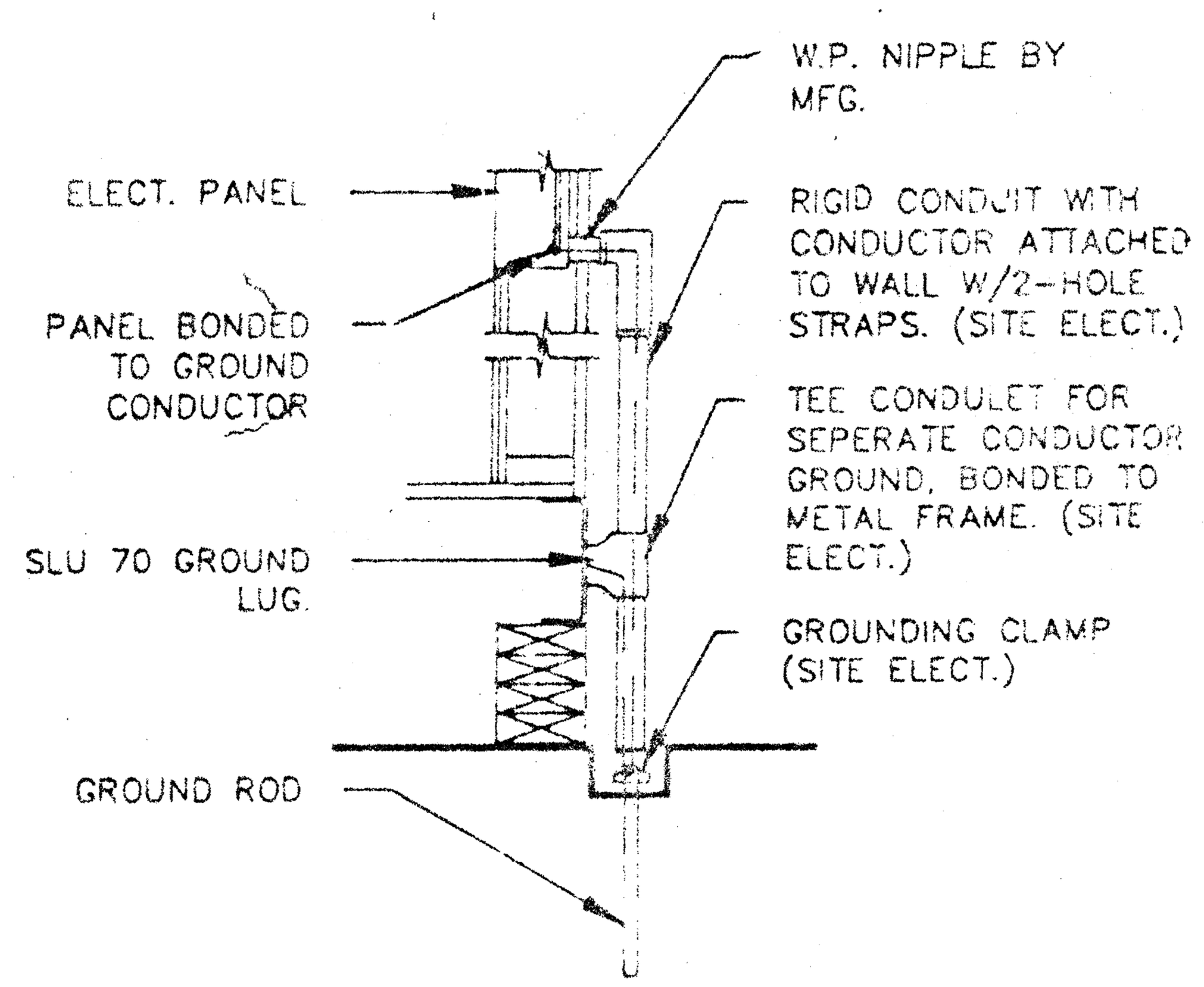
6-22-89
REV. 12-7-89

2.1

R02440E



JUMPER @ MOD. LINE



TYPICAL GROUNDING DETAIL

NOTES

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. x 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS INCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPERATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE 2-23J, PART B.
4. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATABLE COMPONENTS.

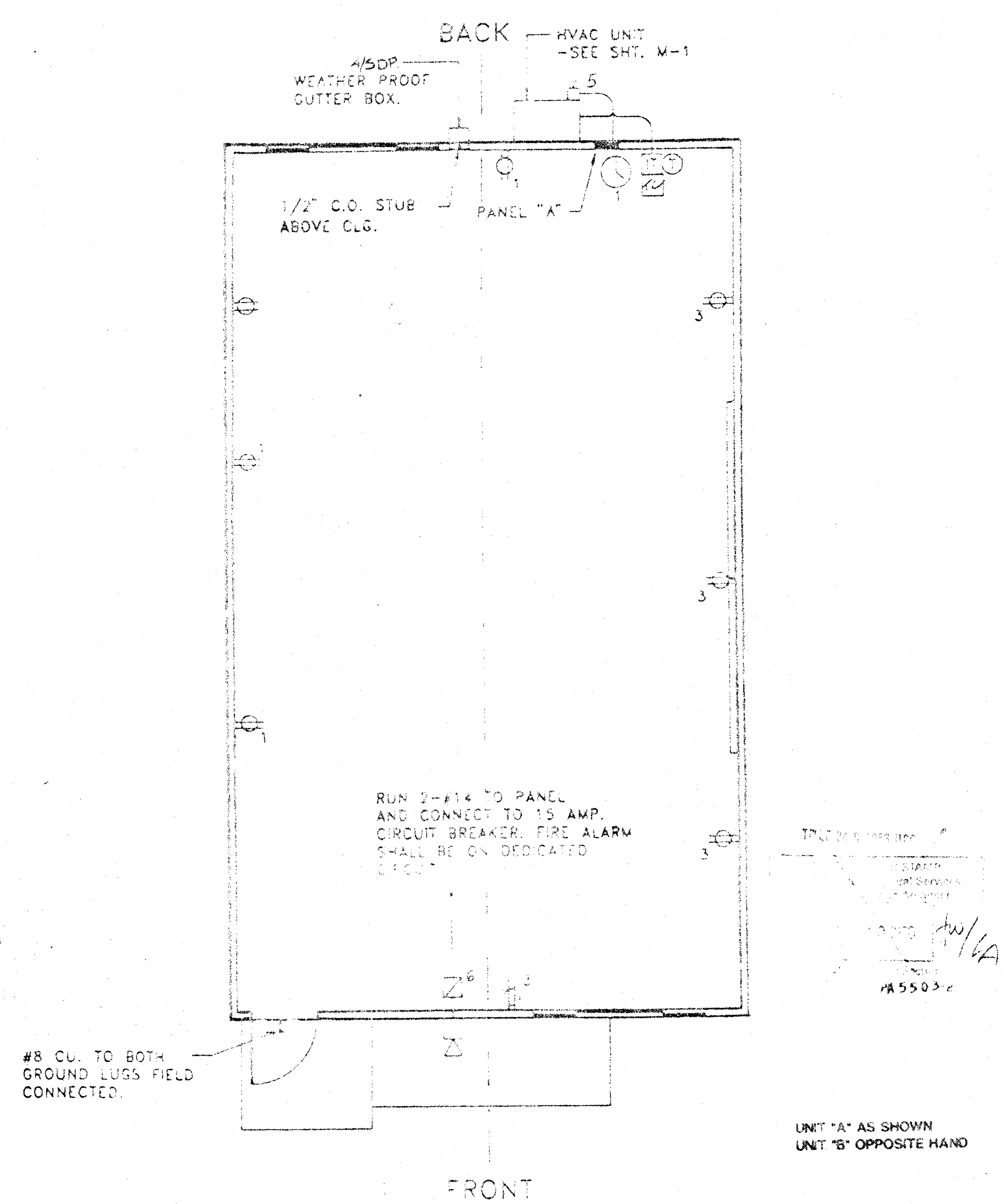
SYMBOLS LIST

- 4 - TUBE FLUORESCENT LIGHT FIXTURE
- INCANDESCENT BRACKET LIGHT FIXTURE
- DUPLEX WALL RECEPTACLE, 15-A 125-v 3-WIRE GROUNDING TYPE (+18")
- SWITCH SINGLE POLE @ (+48")
- FIRE ALARM PULL STATION (+48")
- FIRE ALARM HORN (+8'-0")
- FUSED DISCONNECT SWITCH RAINTIGHT
- THERMOSTATE (LOCKED AUTOMATIC) (+48")
- 6 HR. INTERVAL BY-PASS TIMER.
- CLOCK (7'-0")
- TIME CLOCK (FLUSH MTD)

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
§5032 SEP 19 '90
APPLICATION PER W. Jud Boies

APPROVED FIRE AND PANIC ONLY
SEP 19 1990
STATE FIRE MARSHAL SOUTHERN REGION

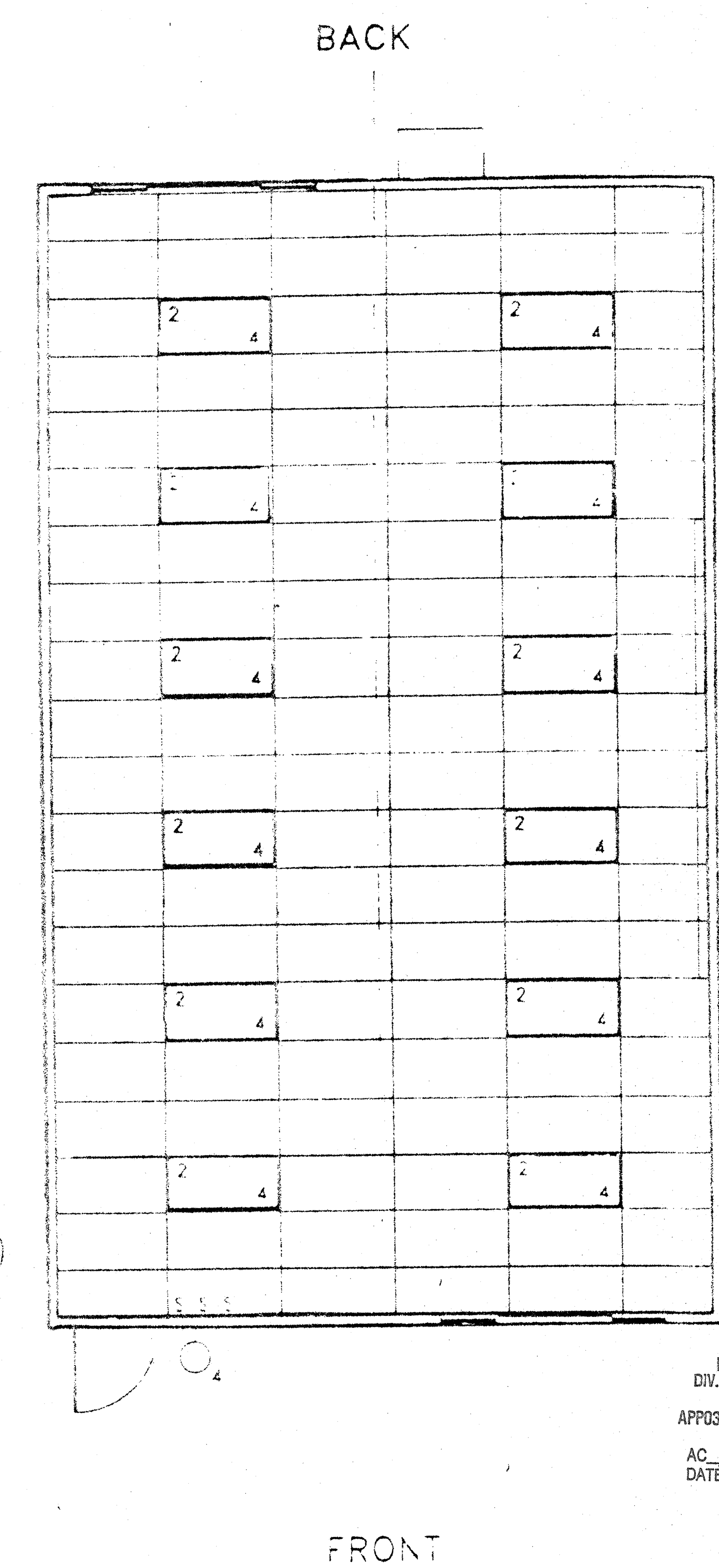
PANEL FLUSH, NEMA 1, NQO							MAIN CB 100·A		
VOLTAGE 120/240, 1-Ø, 60·H, 3·W							BUS SIZE 100·A		
CIRC.	OUTLETS			WATTAGE			CIRC. BACK		REMARKS
NO.	LTS	REC	OTHERS	ΦA	ΦB	ΦC	AMP	POLE	
1		3	+ CLOCK	560			20	1	
2	7			1064			20	1	
3		4			720		20	1	
4	7				1064		20	1	
5			HVAC	4476			50	1	
6			FIRE ALARM	180			15	1	
7					4476		—	—	
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
			TOTALS	6,280	6,260		12,540		52.25 CON.
L.C.L.= 11,280			L.C.L. x 125%				= 14,100		
			OTHER				= 1,260		
			TOTAL				= 15,360		64.00·A



UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

ELECTRICAL PLAN

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



LIGHTING PLAN

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC / FLS FC SS ED
DATE JAN 0 8 2014

O.S.A. TITLE 24
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT 4 1989
REVISED DEC 07 1989
Structural Safety Section
Appl. AC.S. BJC/LA

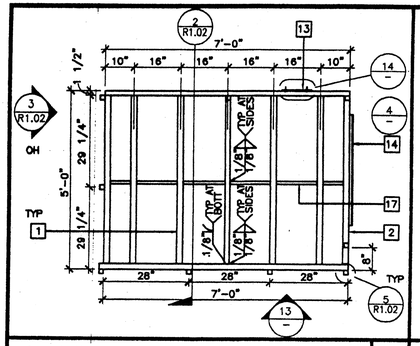
FIRE MARSHAL

APPROVED FIRE AND PANIC ONLY
OCT 4 1989
STATE FIRE MARSHAL SOUTHERN REGION

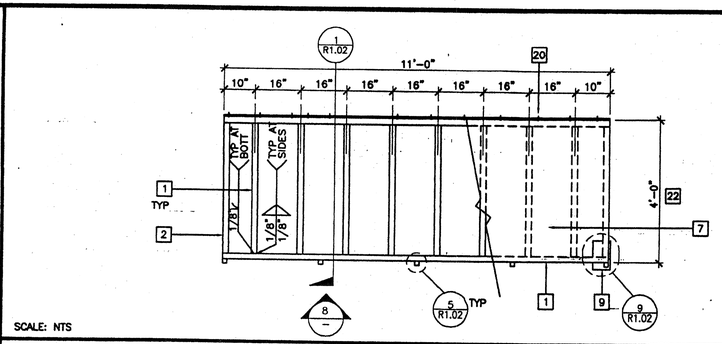
MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

MODTECH STANDARD
24' x 40'
RIGID FRAME
RELOCATABLE
CLASSROOM
STOCKPILE 103

STKP-23
BINDING ORDER 10
6-22-89
REV 12-7-89
4.0
R02440B

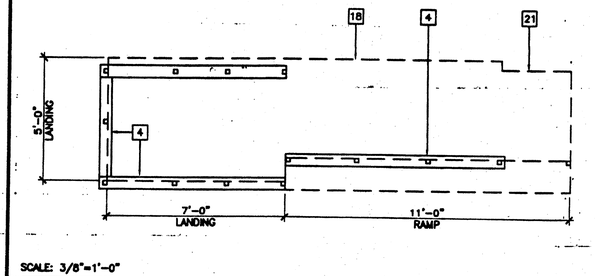


LANDING FRAME 12



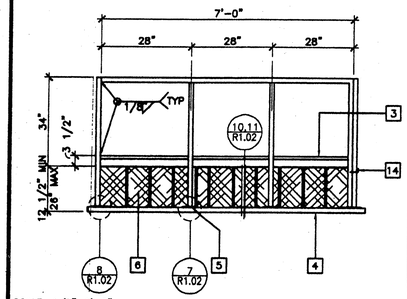
SCALE: NTS

RAMP FRAME 7



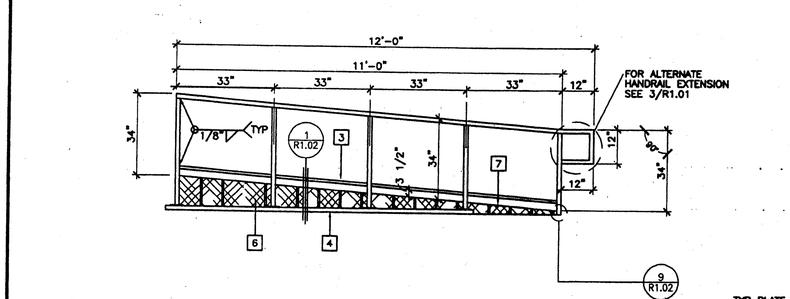
SCALE: 3/8"=1'-0"

SILL PLAN FOR RAMP AND LANDING 1



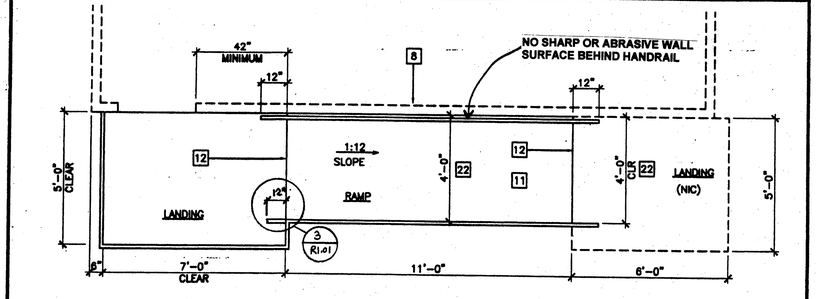
SCALE: 1/2"=1'-0"

LANDING ELEVATION 13



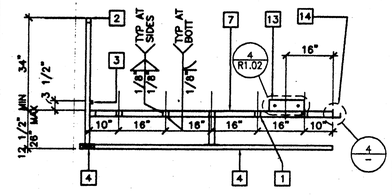
SCALE: 1/2"=1'-0" TYP PLATE

RAMP ELEVATION 8



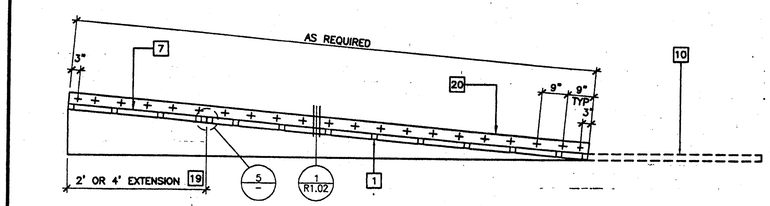
SCALE: 3/8"=1'-0"

RAMP AND LANDING AT BUILDING 2



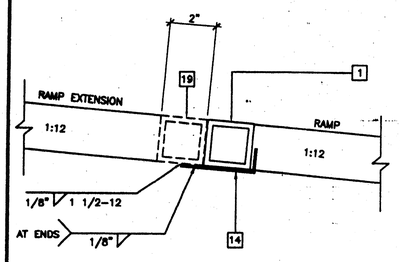
SCALE: NTS

SECTION AT LANDING 14



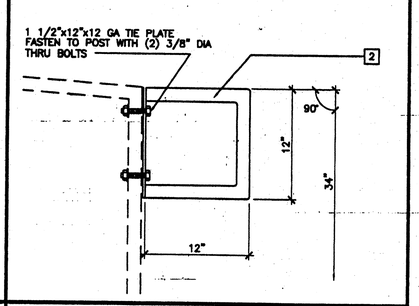
SCALE: NTS

LONGITUDINAL SECTION AT RAMP 9

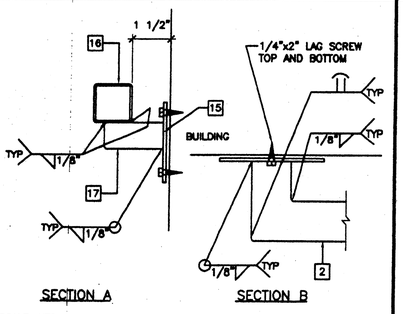


SCALE: NTS

RAMP EXTENSION TO RAMP 5

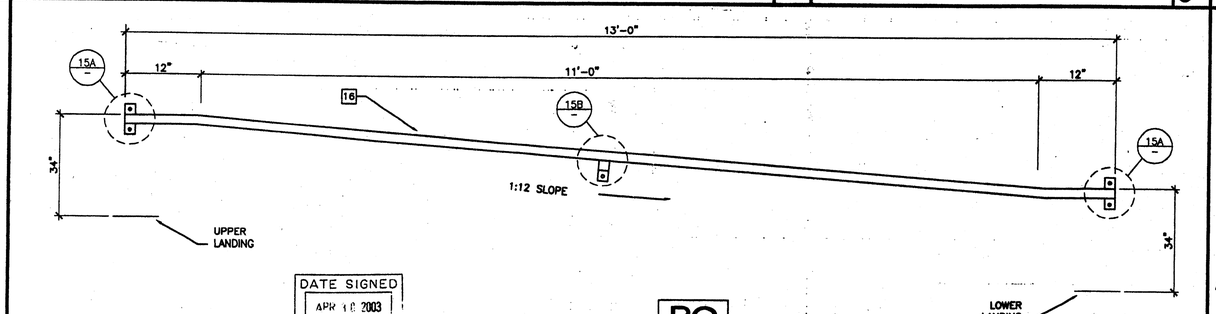


ALTERNATE GUARD RAIL EXTENSION 3



SCALE: NTS

HANDRAIL CONNECTION 15



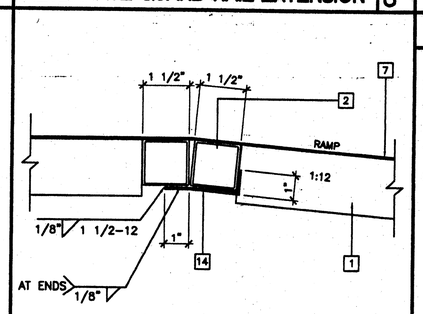
DATE SIGNED APR 18 2003

PC

CBC 2001

SCALE: NTS

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6



SCALE: NTS

RAMP AT LANDING 4

KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39KSI). EASED OR ROUNDED CORNERS
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH (2) 1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TUBE STEEL USE #14x2" TEK SCREWS AT 6" OC
7. 12 GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.7 C.O.F. MAINTAINABLE FOR 1 YEAR
8. EXISTING BUILDING
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH RAMP
12. FLUSH TRANSITION
13. 6"x12"x10 GA PLATE WITH (2) 1/4"x3" LAGS TO STRUCTURAL FRAME OF BUILDING
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. 2"x4"x 1/8" PLATE
16. TS 1 1/2"x1 1/2"x14 GA HANDRAIL – CONTINUOUS AND UNINTERRUPTED. ROUNDED OR BEVELED AT CORNERS
17. TS 1"x1"x16 GA RAIL SUPPORT
18. LINE OF RAMP/LANDING ABOVE
19. RAMP EXTENSION FRAME
20. 6"x10 GA CONTINUOUS PLATE WITH 1/4"x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO STEEL AT 9" OC
21. NOTCH BOTTOM PLATE (MUD SILL) AS REQUIRED TO CLEAR RAMP TOE. MAX NOTCH 1 1/2"x4'-0" LONG.
22. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC11338.5.2.2

FLS: NOT REQ'D
ACS: A. SMITH (CLARIFY)
SSS: J. COHEN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC MF FLS ✓ SS ED
DATE JAN 08 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105274
AC FLS SS
DATE MAY 15 2003

NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HEIGHT.
3. SURFACE: LANDING AND RAMP TO HAVE NON-SLIP 0.7 MIN. COEFFICIENT OF FRICTION SURFACE AMCOR GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 COPPER TO BOTH GROUND LUGS.
5. ARCHITECT SITE/RAMP/LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY MODTECH INC. IS 11'-0" AT A SLOPE OF 1:12. THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS MODTECH INC RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON THIS SHEET
6. ALL 1 1/4" AND 1 1/2" TUBE STEEL TO BE OF ASTM A500 GRADE A STEEL (Fy = 39 KSI)

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architect's Seal
LICENSED ARCHITECT GEORGE C. EDWARDS C 29361 REN. 9-30-03 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS
DATE 5/7/03

MODTECH™ INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

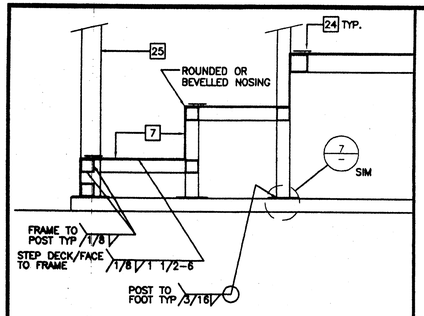
PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 69
200- 5' WIDE RAMPS FOR SITE SETUP

DRAWN BY: 05/15/03
DATE:
CHECKED BY: STKP-69
DATE:

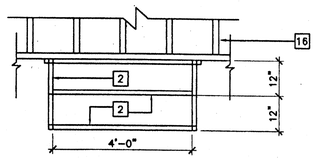
4 FOOT RAMP AND LANDING PLAN

MODTECH Index No. R1.01



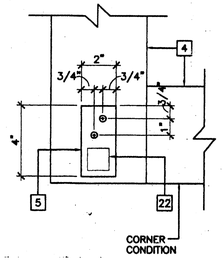
SCALE: 1 1/2"=1'-0" (OPTIONAL)

STAIR SECTION 16



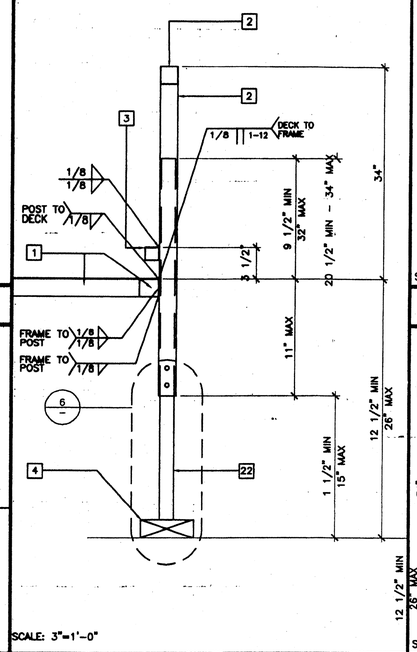
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR FRAMING PLAN 12

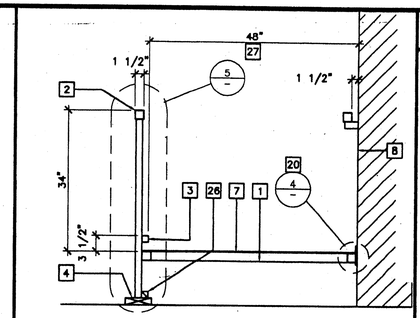


SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 8

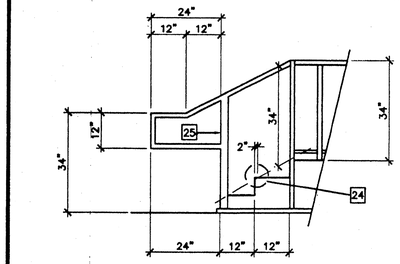


SCALE: 3"=1'-0"



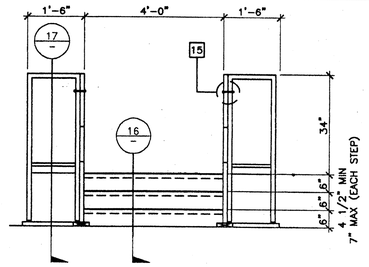
SCALE: 3/4"=1'-0"

SECTION AT RAMP 1



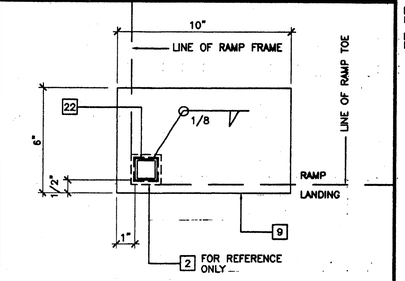
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 17



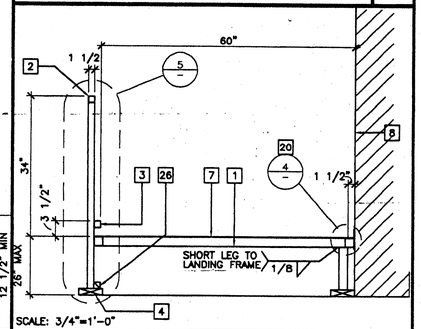
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 13



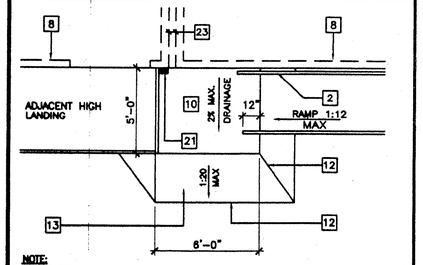
SCALE: 3"=1'-0"

BASE PLATE AT RAMP TOE 9



SCALE: 3/4"=1'-0"

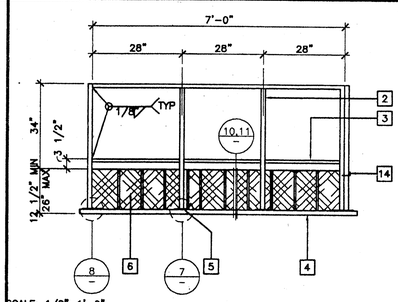
SECTION AT LANDING 2



NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT

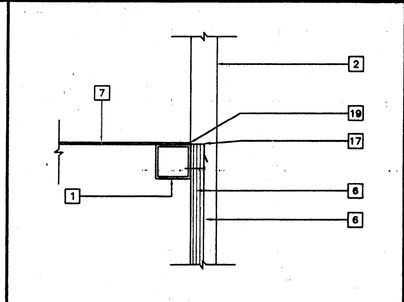
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 18



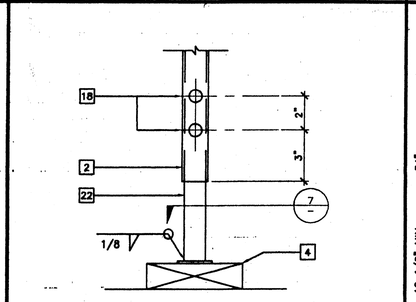
SCALE: 1/2"=1'-0"

LANDING ELEVATION 14



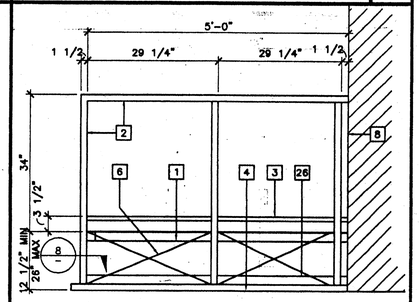
SCALE:3"=1'-0"

SKIRT FLASHING 10



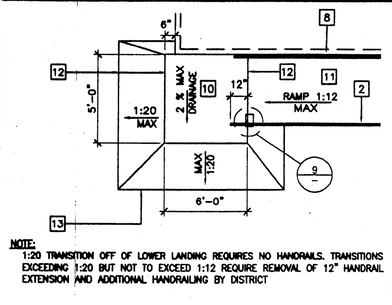
SCALE: 3"=1'-0"

ADJUSTABLE LEG 6



SCALE: 3/4"=1'-0"

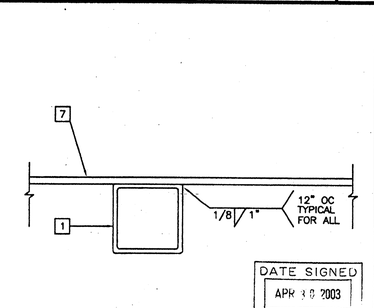
END ELEVATION 3



NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT

SCALE: NTS (BY DISTRICT)

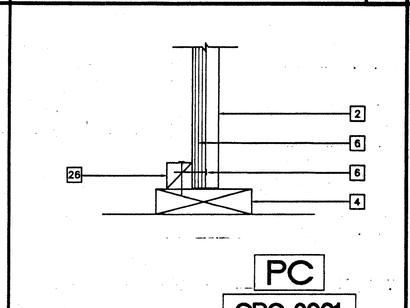
RAMP TRANSITION 19



DATE SIGNED APR 3 0 2003

SCALE: NTS

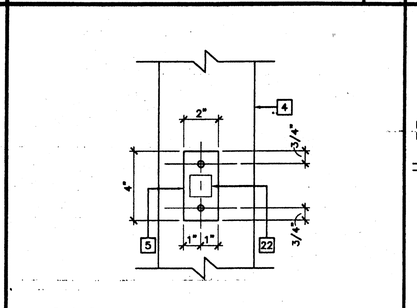
SECTION AT INTERIOR FRAME 15



PC
CBC 2001

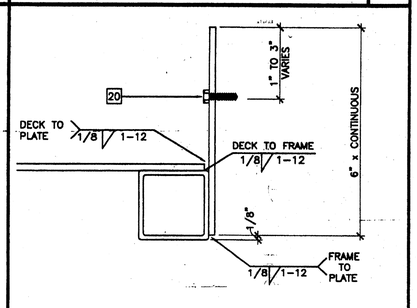
SCALE: 3"=1'-0"

SKIRT AT SILL PLATE 11



SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 7



SCALE: NTS

SECTION AT PLATE 4

KEY NOTES

1. TS 2"x2"x14 GA
2. TS 1 1/2"x1 1/2"x14 GA (Fy = 39 KSI). EASED OR ROUNDED CORNERS.
3. TS 1"x1"x16 GA WHEELCHAIR GUIDE
4. 2"x6" PRESSURE TREATED SILL PLATE
5. 2"x4"x12 GA BASE PLATE WITH 2-1/4"x1" LAGS
6. SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d AT 6" OC EDGES AND 12" OC FIELD. AT EDGE CONNECTION TO TS. USE #14x2" TEK SCREWS AT 6" OC
7. 12GA METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 0.7 C.O.F. MAINTAINABLE FOR 1 YR. PROVIDE ROUNDED OR BEVELED EDGES ON STAIR NOSING
8. EXISTING BUILDING.
9. 6"x10"x12 GA BASE PLATE AT RAMP TOE.
10. LOWER LANDING BY DISTRICT
11. RAMP BY MODTECH RAMP
12. FLUSH TRANSITION
13. PAVE BY DISTRICT
14. 3"x1"x3'-0"x10 GA BENT PLATE
15. FASTEN POSTS WITH 3/8" DIA THRU BOLT, TYPICAL
16. RAMP LANDING, TYPICAL
17. 26 GA FLASHING
18. 3/8" DIAx2" LONG MB WITH NUT & WASHERS
19. CAULKING
20. 6"x10GA CONTINUOUS PLATE WITH #14x2" TEK SCREWS AT 9" OC INTO WOOD OR FOUNDATION BLOCKS OR #14x2" TEK SCREWS INTO METAL AT 9" OC
21. PROVIDE DIVERSION FOR WATER FROM DOWNSPOUT FOR THIS CONDITION. BY DISTRICT
22. TS 1 1/4"x1 1/4"x14 GA (Fy = 39 KSI)
23. 4" MINIMUM BUILDING SEPARATION
24. 2" SLIP RESISTANT WARNING STRIPES MAX 1" FROM EVERY STAIR NOSING. USE CONTRASTING COLOR.
25. TS 2 1/2"x1 1/2"x8 GA ASTM A500 GRADE A
26. 2"x2" NAILER WITH 16d AT 12" OC
27. RAMP WIDTH MINIMUM CLEAR DIMENSION IS 4'-0" IF AT LEAST TWO EXIT/DISCHARGE ARE REQUIRED OR 5'-0" IF ONLY ONE EXIT/DISCHARGE IS REQUIRED. SEE CBC1133B.5.2.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC MF FLS SS ED
DATE JAN 0 8 2014

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105274
AC FLS SS
DATE MAY 1 5 2003

FILE PATH: 2440-R1.02.DWG

PC-04-104801 PROJECT NO.

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2004

Architect's Seal
LICENSED ARCHITECT GEORGE C. EDWARDS OREN. 9-30-03 STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104801
AC FLS SS DVL
DATE 6/1/23

MODTECH INC.
2830 BARRETT AVENUE
PERRIS, CALIF. 92571
PH (909) 943-4014
FAX (909) 940-0427

PROJECT NUMBER:

CLASS LEASING INC STOCKPILE # 69
200- 5' WIDE RAMPS FOR SITE SETUP

DRAWN BY: DTLP-09
DATE:
CHECKED BY:
DATE:
MODTECH Index No.

RAMP/STAIR DETAILS

R1.02

CLASS LEASING, INC.

P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

SPECIFICATIONS
RELOCATABLE CLASSROOMS

4.01 MATERIAL SPECIFICATIONS:

1. Structural framing shall be Hem Fir- Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2
2. Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-95. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' panels-minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.
3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-1981 & 2005 edition of **NDS** (the National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirement of 200 NDS. Bolt holes shall be 1/32 to 1/16 inch larger than bold diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.
4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2005 NDS Holes for lag screw shanks shall be bored the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 9.3 in NDS
5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.
6. Wood screws shall conform to ANSI/ASME Standard B18.6.1 and the requirements of the 2005 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations.
   Screws shall be steel with cut threads and bending yield strengths per Table 11.3 in NDS.
7. Wood members shall be cut or notched only as shown on structural drawings.
8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.
9. Structural nailing shall be with BOX NAILS per all requirements of 2005 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)
10. Nail equivalence:
    (provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)

    6d equals .113" DIA. - provide 1.36" minimum point penetration
    8d equals .131" DIA. - provide *1.57" minimum point penetration
    10d equals .148" DIA. - provide *1.78" minimum point penetration
    16d equals .162" DIA. - provide *1.94" minimum point penetration
    (* 1 1/2" at 2x members)

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members from agency approved by DSA. All foundation members shall be marked as "For ground contact (LP22)" or "For above ground use (LP2)" as appropriate. Treat all cut ends of pressure treated members with an approved preservative. (Willard W/B Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated per LP2.
12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.
13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.
14. Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.
15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.
16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).
17. Used lumber in good condition is acceptable for use in foundation system.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

In the case of equipment located in the State of California, the **LESSEE** (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater that 9" from level grade or have less than a **1000 PSF MINIMUM SOIL BEARING PRESSURE**.

Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to either place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

6.01 TEST AND INSTALLATION:

1. Provide Electrical Grounding Test per DSA IR E-1.
2. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

1. The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.
2. 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.

1.02 SCOPE OF WORK:

1. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable building as defined herein, shown and detailed on the drawings. In the case of a Stockpile: the modular relocatable building is manufactured in-plant and stored off-site until such time that it is relocated from the off-site storage location and installed on-site.
2. All requirements of **CCR** (California Code of Regulation)Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:
   a) General responsible charge of Field Administration by the Architect of Record.
   b) Inspection during the course of construction by an Inspector approved by **DSA** (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 District.
   c) On site inspection of the building installation, electrical and utility of the building installation or connection by an Inspector approved by the DSA and retained by the School District.
   d) Other special tests or inspections as may be required by DSA.
   Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

1. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
2. All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.
3. Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

1.04 ACCESSIBILITY OF SITE:

The School District shall provide access to the site for the installation of the building. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for move-in and removal of the buildings shall be the responsibility of the School District.

2.01 SITE ASSEMBLY:

1. Scope of Work: **Contractor** (Class Leasing Inc.) 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 and the District Architect.

2. Assembly of Elements:
   a) In a location on the site as determined by the District Architect. The contractor shall place the foundation 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.
   c) Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.

3.01 CARPENTRY:

1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.
2. Workmanship:
   a) FRAMING: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.
   b) NAILING: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
   c) Machine applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads 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.
   d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

APPLICABLE BUILDING CODES

ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2010 CBC

2010 CALIFORNIA CODE OF REGULATIONS (CCR)

-2010 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

-2010 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
(2009 INTERNATIONAL BUILDING CODE VOLUMES 1-3 WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)
(2008 NATIONAL ELECTRICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2009 UNIFORM MECHANICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2009 UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS)

-2010 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

-2010 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

-2010 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
(2009 INTERNATIONAL FIRE CODE WITH 2010 CALIFORNIA AMENDMENTS)

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED = 85 MPH (V) (3 SECOND GUST), K zt = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = IBC AND CBC 2007

SEISMIC DESIGN DATA: — **MOMENT FRAME PC'S**

Basic Seismic-Force-Resisting System	= STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED	= EQUIVALENT LATERAL FORCE
Seismic Design Category	= E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING	= 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING	= 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING	= 18810 # (Roof, Floor, Walls & Partitions)

I = 1.0 Cs = 0.288 R = 3.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sos = 1.0
Si = 1.3 per CBC Figure 1613A.5(2) Soi = 1.3

SEISMIC DESIGN DATA: — **SHEAR WALL PC'S**

Basic Seismic-Force-Resisting System	= WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED	= EQUIVALENT LATERAL FORCE
Seismic Design Category	= E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING	= 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING	= 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING	= 18810 # (Roof, Floor, Walls & Partitions)

I = 1.0 Cs = 0.154 R = 6.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sos = 1.0
Si = 1.3 per CBC Figure 1613A.5(2) Soi = 1.3

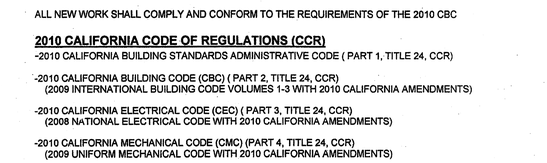
FLOOD DESIGN DATA: Project is not located in a flood zone

LIMITATIONS WOOD FOUNDATION PC ONLY:

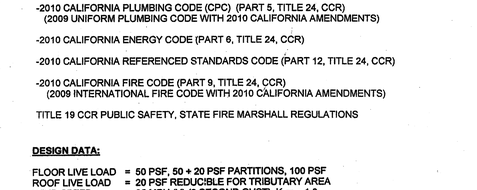
WOOD FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

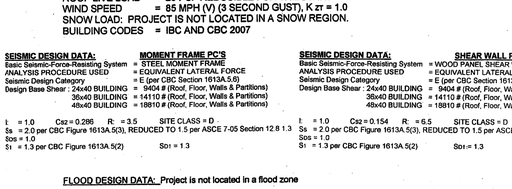
1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
   WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
   WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING.
   (HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
   WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)
5. FLOOR DEAD LOAD OF 8 PSF



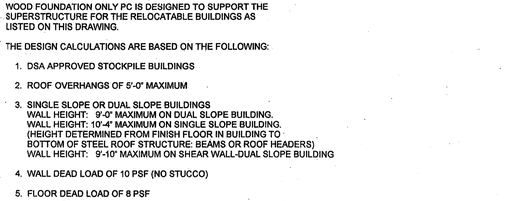
SHEAR WALL-DUAL SLOPE PC-247 — SHEAR WALL-DUAL SLOPE TYPICAL



SHEAR WALL-SIDE WALL 1/8"=1'-0"



DUAL SLOPE ROOF 1/8"=1'-0"



MONO SLOPE ROOF 1/8"=1'-0"

TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OF GENERAL RESPONSIBLE CHARGE TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, INC.

SHEET INDEX: STOCKPILE BUILDING FOUNDATION PC# 04-111441 – 2010 CODE UPDATE

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER.

CLASS LEASING- APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA- 24x40 SHEAR WALL

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
~~STKP 1000~~	~~50510~~	~~SHR~~	~~10/24/00~~	~~24x40~~	~~50~~	~~MODTECH~~
~~STKP 08~~	~~52540~~	~~49437 SHR~~	~~11/06/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 21~~	~~52510~~	~~49750 SHR~~	~~11/06/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 22~~	~~52514~~	~~SHR~~	~~11/06/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 05~~	~~52515~~	~~15499 SHR~~	~~10/27/00~~	~~24x40~~	~~50#~~	~~AURORA~~
~~STKP 01~~	~~52516~~	~~SHR PC 247~~	~~10/27/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 23~~	~~52410~~	~~PC 80~~	~~10/25/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 24~~	~~52500~~	~~PC 95~~	~~09/14/01~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 13~~	~~51557~~	~~PC 247~~	~~05/25/01~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 17~~	~~52670~~	~~PC 247~~	~~11/19/01~~	~~24x40~~	~~50#~~	~~MODTECH~~

BUILDING DATA- 24x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
~~STKP 11~~	~~52100~~	~~MRF~~	~~09/19/01~~	~~24x40~~	~~50~~	~~MODTECH~~
~~STKP 20~~	~~52504~~	~~PC 79~~	~~09/19/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 04~~	~~52600~~	~~PC 79~~	~~09/19/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
STKP 23	55347	PC 79	11/26/90	24x40	50#	MODTECH
~~STKP SW~~	~~57404~~	~~PC 79~~	~~11/08/91~~	~~24x40~~	~~50~~	~~MODTECH~~
~~STKP 14~~	~~57070~~	~~PC 80~~	~~09/19/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 10~~	~~50500~~	~~PC 240~~	~~05/04/95~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 16~~	~~50501~~	~~PC 240~~	~~05/04/95~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 27~~	~~55100~~	~~PC 260~~	~~07/01/98~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 31~~	~~55010~~	~~PC 260~~	~~11/15/99~~	~~24x40~~	~~55-20#~~	~~MODTECH~~
~~STKP 09~~	~~57200~~	~~PC 260~~	~~09/14/97~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 06~~	~~04-100417~~	~~PC 260~~	~~04/15/99~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 26~~	~~04-100505~~	~~PC 275~~	~~09/19/00~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 07~~	~~04-100506~~	~~PC 260~~	~~09/19/00~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 12~~	~~04-100508~~	~~PC 260~~	~~09/19/00~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 42~~	~~04-100509~~	~~PC 260~~	~~01/31/00~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 43~~	~~04-101566~~	~~PC 275~~	~~09/19/00~~	~~24x40~~	~~50#~~	~~MODTECH~~
~~STKP 44~~	~~04-101568~~	~~PC 260~~	~~09/19/00~~	~~24x40~~	~~50-20#~~	~~MODTECH~~
~~STKP 70~~	~~04-100508~~	~~PC 100501~~	~~10/10/07~~	~~24x40~~	~~50#~~	~~CURRENTMODU~~

BUILDING DATA- 36x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
~~STKP 15~~	52476	MRF	12/18/91	36x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	36x40	70#	MODTECH
STKP 32	65310	PC 266	11/12/96	36x40	50+20#	MODTECH
STKP 34	67332	PC 266	03/11/97	36x40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10/07/99	36x40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	03/01/01	36x40	50#	MODTECH
STKP 65	04-104441	PC 101268	09/11/02	36x40	50+20#	MODTECH
STKP 71	04-106419	PC 100501	07/29/04	36x40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03/01/07	36x40	100#	MODTECH
STKP 74	04-108807	PC 107557	05/07/07	36x40	50+20#	SILVERCREEK
STKP 81	04-110319	PC 109598	04/09/09	36x40	50+20#	NEW
STKP 82	04-111101	PC 79	06/03/10	36x40	50+20#	MODTECH

BUILDING DATA- 48x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP SW	57194	PC 79	11/08/91	48x40	100#	MODTECH
STKP SW	57194	PC 79	11/08/91	48x40	70#	MODTECH
STKP 17	63289	PC 245	05/04/95	48x40	50+20#	MODTECH
STKP 41	04-100797	PC 266	09/19/00	48x40	50+20#	MODTECH
STKP 46	04-101617	PC 100268	10/07/99	48x40	50+20#	MODTECH
STKP 63	04-104170	PC 101268	04/19/02	48x40	50+20#	MODTECH

PRE-CHECK (PC) DOCUMENT
CODE: 2010 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 115335
AC ✓ FLS ✓ SS EO
DATE JAN 0 8 2016

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-112161
AC EO FLS HC SS X
DATE: FEB 0 1 2012
ACS: J. Schaible
FLS: F. Borque
SS: D. CONNOLLY

STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

REGISTERED PROFESSIONAL ENGINEER JAMES V. SIKES No. 36002 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 5-30-2012

AUG 25 2016

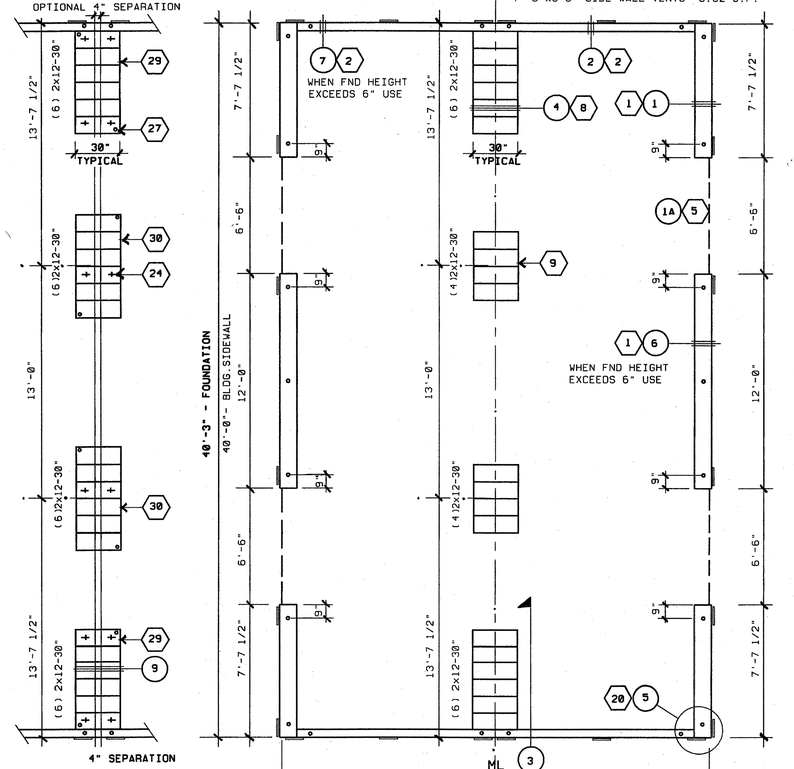
SCANNED

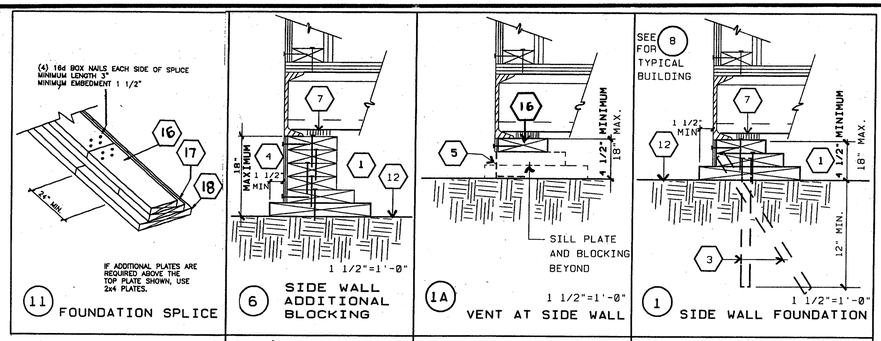
CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943- 5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

24x40-50

DATE	08-15-2011
SCALE	
DRAWN	LAM-CLLS
JOB	
SHEET	F1.0





KEY NOTES 24x40- 50 PSF FLOOR LOAD

FOUNDATION AT SIDE WALL

1 **TOP PLATE:** 2x6 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x12 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

FOUNDATION AT END WALL

2 **TOP PLATE:** 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x4 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: 2x6 (PT) WITH SILL RESTRAINT PER GENERAL NOTE #A.

3 SILL RESTRAINT- PIPE TO GRADE (TYP) SEE GENERAL NOTE #A

4 SKIRTING: 3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C. AT END WALLS AND 6" O.C. AT SIDE WALLS, FIELD NAILING 12" OC

5 SIDEWALL VENT: 3" HIGH BY 6'-6" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 6" O.C.,

6 ENDWALL VENT: 3" HIGH BY 2'-0" LONG. INSTALL UNDER SKIRTING. SKIRTING ATTACH WITH 10d NAILS, EDGE NAILING 4" O.C.

7 SHIM: 5/8" X 2 1/2" WHEN REQUIRED

FOUNDATION AT MOD LINE / END WALL

8 **TOP PLATE:** 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT)

FOUNDATION AT MOD LINE / INTERIOR WALL

9 **TOP PLATE:** 2x8 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x10 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (4) 2x12x30" (PT)

10 FLOOR BEAM: C7x 9.8 TYPICAL

11 FLOOR HEADER: C7x 9.8 TYPICAL

12 FINISH GRADE

13 FLOOR JOIST

14 EXTERIOR FINISH

15 PLYWOOD SUB-FLOOR

16 TOP PLATE: CONTINUOUS

17 BLOCKING

18 SILL PLATE

19 MODLINE

20 TIE PLATE: 12" x 6" x 10 GA

21 PLATE ANCHOR: 4 -1/4" ⌀ S.M.S. (1 1/2" MIN. EMBEDMENT)

22 PLATE ANCHOR: 4 -1/4" x 2" LONG LAG SCREWS (1 1/2" MIN. EMBEDMENT)

23 TIE PLATE: 12" x 4" x 10 GA

24 BUILDING ANCHORAGE: 6- 5/8" x 4" LAG SCREWS AT EACH BUILDING (FOR LOCATION SEE PLAN AT ADJACENT BUILDINGS)

25 LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS PLATE. NAIL SHIM TO PLATE WITH (6) 10d BOX.

26 2" CUT OUT OF SILL PLATE FOR DRAINAGE. FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION.

27 1" PIPE EACH END OF PAD AT ADJACENT BUILDING LINE.

28 THIS VENT TO BE LOCATED UNDER LANDING. PROVIDE EQUAL AREA SCREENED VENTILATION IN LANDING SKIRT.

FOUNDATION AT BUILDING SEPARATION / END WALL

29 TOP PLATE: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

30 TOP PLATE: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING PLATE BELOW
BLOCKING: 2x12 CONTINUOUS W/ (1) 16d NAIL AT 4" O.C. TO BLOCKING OR SILL PLATE BELOW
SILL PLATE: (6) 2x12x30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 25.

GENERAL NOTES

A. **SILL RESTRAINT**: THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE (ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE) BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES.

USE A ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPE OR ONE-INCH DIAMETER SOLID STEEL ROD SPACED AT NOT MORE THAN 10'-0" ONE PIPE/ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES/RODS PER DISCONTINUOUS FOUNDATION STRIP.

PIPES TO PENETRATE INTO SOIL AND OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. 18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT A 45 DEGREE ANGLE.

B. TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.

C. A **WOOD SILL (FOOTING) PLATE** SHALL BE PRESSURE TREATED HEM FIR OR DOUG FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (SKIRT) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY, LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE INSPECTOR

D. **FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE**

E. THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN DIMENSIONS, THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.

F. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3 1/2" IN OVERALL LENGTH

G. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

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APP03 115335
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PC 04-112161
AC — FLS — SS ✓
DATE: FEB 0 1 2012

24x40 - 50 PSF STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

JAMES J. SIMPSON — No. 3802 — STRUCTURAL — STATE OF CALIFORNIA
EXPIRES 6-30-2012

DATE RECEIVED
AUG 25 2011

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24x40 - 50 PSF RELOCATION
FOUNDATION PLAN & DETAILS
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JOB	24x40 50 PSF
SHEET	F2.0