



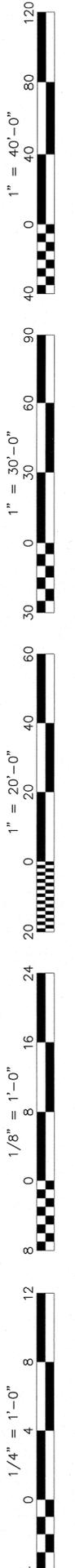
PIONEER ELEMENTARY SCHOOL PORTABLE CLASSROOM BAKERSFIELD CITY SCHOOL DISTRICT 4404 PIONEER DR. BAKERSFIELD, CA.

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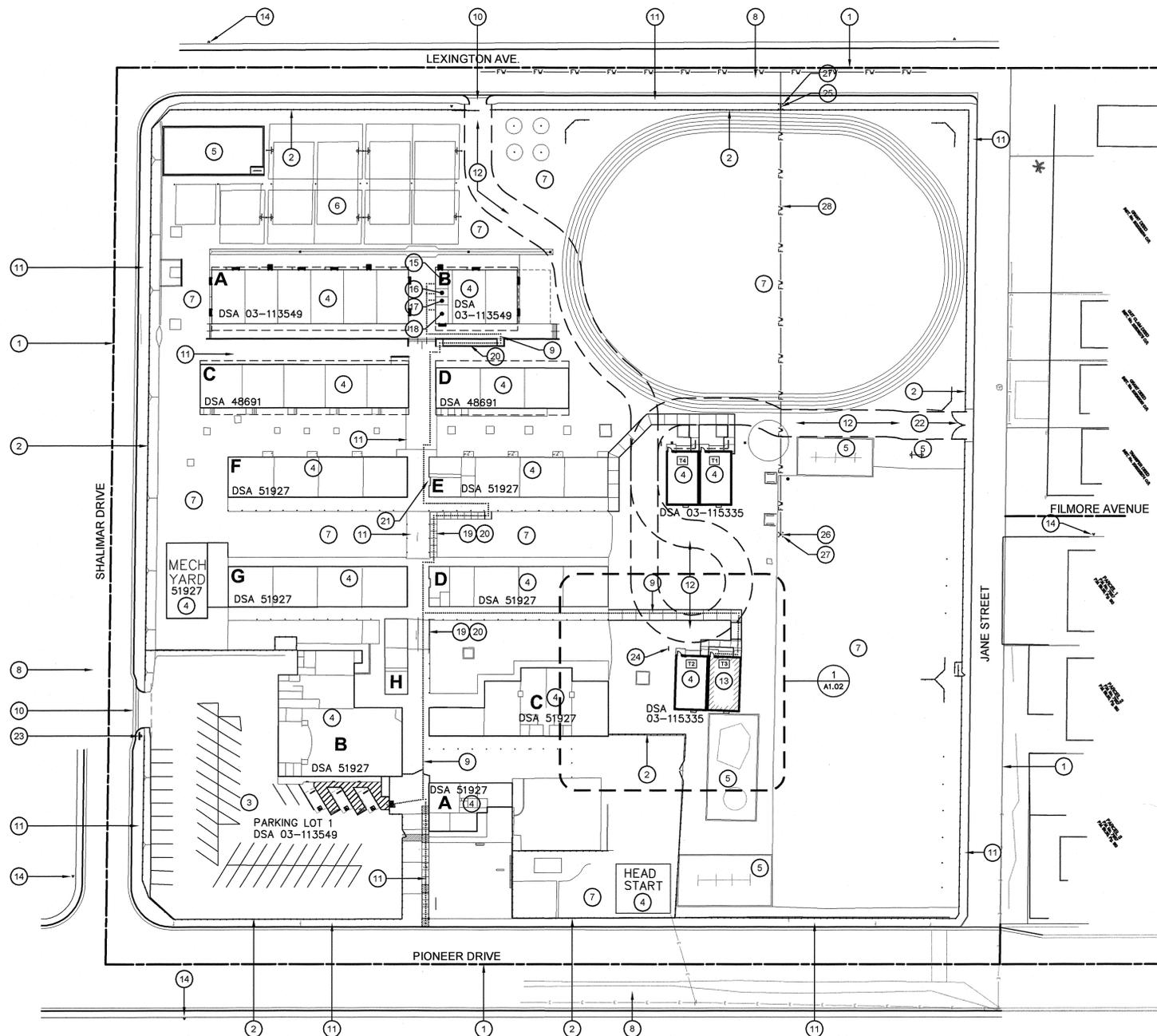
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Revision	Rev. Date	Revision Description

GENERAL NOTES	VICINITY MAP	SHEET INDEX	BUILDING DATA	ARCHITECT'S STATEMENT																																														
<ol style="list-style-type: none"> ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS 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. REFER TO RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ALL INFORMATION REGARDING THE RELOCATABLE BUILDINGS DSA ACCEPTED TESTING LABORATORY TO BE DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. GRADING PLANS, DRAINAGE IMPROVEMENTS, RODA AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES 	<p>THIS PROJECT SITE PORTABLE CLASSROOM 4404 PIONEER DR. BAKERSFIELD, CA</p> <p>PIONEER ELEMENTARY SCHOOL</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SHT. NO.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td colspan="2" style="text-align: center;">GENERAL</td></tr> <tr><td>T1.01</td><td>TITLE SHEET</td></tr> <tr><td colspan="2" style="text-align: center;">ARCHITECTURAL</td></tr> <tr><td>A1.01</td><td>SITE PLAN</td></tr> <tr><td>A1.02</td><td>ENLARGED SITE PLAN</td></tr> <tr><td>A1.03</td><td>SITE DETAILS</td></tr> <tr><td colspan="2" style="text-align: center;">ELECTRICAL</td></tr> <tr><td>E-1</td><td>SITE PLAN - ELECTRICAL</td></tr> <tr><td>E-2</td><td>POWER AND SIGNAL PLAN</td></tr> <tr><td>E-3</td><td>FIRE ALARM PLAN</td></tr> <tr><td>E-4</td><td>DETAILS AND SYSTEM DIAGRAMS</td></tr> <tr><td>E-5</td><td>SHEET SPECS</td></tr> <tr><td colspan="2" style="text-align: center;">STOCKPILE # 67333 - 24'x40' RELOCATABLE BUILDING BY "MODTECH INC." (STKP-33)</td></tr> <tr><td>A0</td><td>COVER SHEET</td></tr> <tr><td>A1.0</td><td>FLOOR PLAN</td></tr> <tr><td>AA3.0</td><td>EXTERIOR ELEVATIONS</td></tr> <tr><td>F1.0</td><td>FOUNDATION PLAN (PC# 04-111441)</td></tr> <tr><td>F2.0</td><td>FOUNDATION DETAILS (PC# 04-111441)</td></tr> <tr><td>S4.0</td><td>STRUCTURAL FRAMING</td></tr> <tr><td>E1.0</td><td>ELECTRICAL PLAN</td></tr> <tr><td>R1.0</td><td>RAMP / LANDING PLAN</td></tr> <tr><td>R2.0</td><td>RAMP / STAIR DETAILS 18 SHEETS</td></tr> </tbody> </table>	SHT. NO.	DESCRIPTION	GENERAL		T1.01	TITLE SHEET	ARCHITECTURAL		A1.01	SITE PLAN	A1.02	ENLARGED SITE PLAN	A1.03	SITE DETAILS	ELECTRICAL		E-1	SITE PLAN - ELECTRICAL	E-2	POWER AND SIGNAL PLAN	E-3	FIRE ALARM PLAN	E-4	DETAILS AND SYSTEM DIAGRAMS	E-5	SHEET SPECS	STOCKPILE # 67333 - 24'x40' RELOCATABLE BUILDING BY "MODTECH INC." (STKP-33)		A0	COVER SHEET	A1.0	FLOOR PLAN	AA3.0	EXTERIOR ELEVATIONS	F1.0	FOUNDATION PLAN (PC# 04-111441)	F2.0	FOUNDATION DETAILS (PC# 04-111441)	S4.0	STRUCTURAL FRAMING	E1.0	ELECTRICAL PLAN	R1.0	RAMP / LANDING PLAN	R2.0	RAMP / STAIR DETAILS 18 SHEETS	<p>OCCUPANCY = E TYPE OF CONSTRUCTION = VB (NON-SPRINKLERED)</p> <p>1 (N) CLASSROOMS @ 960 S.F. (24'x40') EA. = 960 S.F. 1 (E) CLASSROOMS @ 960 S.F. (24'x40') EA. = 960 S.F. 1,920 S.F.</p> <p>PER 2010 C.B.C. TABLE 506: ALLOWABLE AREA = 9,500 S.F. 1,920 S.F. < 9,500 S.F. = OK</p> <p style="text-align: center;">INSPECTOR OF RECORD</p> <p>THIS PROJECT REQUIRES A CLASS 3 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</p> <p>THE INSPECTOR SHALL BE EMPLOYED BY THE DISTRICT AND APPROVED BY THE RESPONSIBLE ARCHITECT.</p> <p style="text-align: center;">APPLICABLE CODES:</p> <p>COMPLY WITH PART 1, TITLE 24, 2016 CCR.</p> <p>A COPY OF TITLE 24 SHALL BE ON SITE AT ALL TIMES. CONSTRUCTION SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:</p> <ul style="list-style-type: none"> TITLE 24, CCR, PART 2, 2016 CCB TITLE 24, CCR, PART 3, 2016 CEC TITLE 24, CCR, PART 4, 2016 CMC TITLE 24, CCR, PART 5, 2016 CPC TITLE 24, CCR, PART 6, 2016 CEC TITLE 24, CCR, PART 9, 2016 CFC TITLE 19, CCR. NFPA 72, 2016 EDITION 	<p>ARCHITECT'S STATEMENT FOR PLANS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS</p> <p>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.</p> <p>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.)</p> <p>SEE THE SHEET INDEX ON THIS SHEET FOR DRAWINGS OTHER THAN ARCHITECTURAL.</p> <p>APPLICABLE:</p> <p><input type="checkbox"/> STRUCTURAL <input type="checkbox"/> PLUMBING <input type="checkbox"/> MECHANICAL <input checked="" type="checkbox"/> ELECTRICAL</p> <p><input type="checkbox"/> CIVIL <input checked="" type="checkbox"/> RELOCATABLE BLDG.</p> <p>SIGNATURE OF THE ARCHITECT/ENGINEER: DATE: 11/9/18</p> <p>NAME, TITLE, AFFILIATION: RICHARD DELLANNI, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC. PROJECT ARCHITECT, ARCHITECT, INTEGRATED DESIGNS BY SOMAM, INC.</p> <p>C-28966 05-31-19 LICENSED NUMBER EXPIRATION DATE</p> <p style="text-align: center;">SYMBOLS</p> <p>SECTION KEY SECTION IDENTIFICATION SHEET NUMBER</p> <p>DETAIL KEY DETAIL NUMBER SHEET NUMBER</p> <p>INTERIOR ELEVATION KEY ELEVATION DIRECTION ELEVATION IDENTIFICATION SHEET NUMBER</p> <p>ELEVATION DATUM INDICATES HEIGHT IN RELATION TO 0'-0"</p> <p>ROOM NUMBER / FINISH TAG ROOM NAME ROOM NUMBER</p> <p>WINDOW SCHEDULE KEY</p> <p>KEYNOTE SCHEDULE KEY</p> <p>DOOR SCHEDULE KEY</p>
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<p style="text-align: center;">SCOPE OF WORK</p> <ul style="list-style-type: none"> RELOCATION OF (1) PORTABLE CLASSROOM BUILDING AND METAL RAMPS AND CONSTRUCTION OF UTILITY SERVICES ON AN EXISTING ELEMENTARY SCHOOL CAMPUS. CONSTRUCTION OF WOOD FOUNDATIONS FOR (1) PORTABLE BUILDINGS 	<p style="text-align: center;">SEISMIC DATA</p> <p>WIND DESIGN DATA [2016 CBC 1603A.1.4]</p> <ol style="list-style-type: none"> ULTIMATE DESIGN WIND SPEED V = 110 MPH RISK CATEGORY II WIND EXPOSURE CATEGORY C INTERNAL PRESSURE COEFFICIENT +/- 0.18 ENCLOSURE CLASSIFICATION ENCLOSED <p>EARTHQUAKE DESIGN DATA [2106 CBC 1603.A.1.5]</p> <p>SITE COORDINATES: 35,36878°N, 118,93527°W</p> <ol style="list-style-type: none"> RISK CATEGORY II SEISMIC IMPORTANCE FACTOR Ie = 1.0 MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS S_s = 1.105g S₁ = 0.405g SITE CLASS D DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS SD_s = 0.779g SD₁ = 0.430g <p>GEOTECHNICAL INFORMATION [2106 CBC 1603.1.6]</p> <ol style="list-style-type: none"> ALLOWABLE SOIL BEARING PRESSURE = 1000 PSF 	<p style="text-align: center;">RAMP NOTE</p> <p>THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED OR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET, STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.</p>	<p style="text-align: center;">TITLE SHEET</p> <p style="text-align: center;">PIONEER ELEMENTARY SCHOOL PORTABLE CLASSROOM</p> <p style="text-align: center;">BAKERSFIELD CITY SCHOOL DISTRICT 4404 PIONEER DR. BAKERSFIELD, CA.</p> <p>Issue Date: 7/31/17 Date: 10/18/18 Project Name & Address: PIONEER ELEMENTARY SCHOOL PC: RJD</p> <p>DSA Identification Stamp: FILE #: 15-6 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-118271 ACME FLS/SS/CS DATE: NOV 14 2018 TRACKING #: 63321-294</p> <p>Stamp(s): Job No.: 5289 Sheet No.: T1.01 Release: -</p>																																															



FLOOD ZONE		PARKING LOT #1		LEGEND	
FLOOD ZONE DETERMINATION	ZONE "X" (0.2%)	TOTAL STALLS PROVIDED:	52		INDICATES EXISTING BUILDING TO REMAIN (NO WORK)
F.I.R.M. PANEL DESIGNATION	06029C2306E	ACCESSIBLE STALLS REQUIRED PER CBC TABLE 11B-6:	3		INDICATES NEW TEMPORARY BUILDING UNDER THIS APPLICATION
EFFECTIVE F.I.R.M. DATE	9/26/2008	VAN SPACES REQUIRED (1 PER 11B-208.2.4):	1		INDICATES FIRE TRUCK ACCESS OVER AC PAVING
BASE FLOOD ELEVATION (BFE)	-400 FT	ACCESSIBLE STALLS PROVIDED:	2 REGULAR 1 VAN 3 TOTAL		INDICATES ACCESSIBLE PATH OF TRAVEL
COMMUNITY ORDINANCE	BMC 15.74.040				



**OVERALL SITE PLAN
PORTABLE CLASSROOM**

SCALE: 1" = 50'

LOCAL FIRE AUTHORITY

DSA 810

LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 09-01.

PROJECT INFORMATION
 School District/Owner: **Bakersfield City School District**
 Project Name/School: **Pioneer Elementary School**
 Project Address: **4404 Pioneer Dr, Bakersfield Ca.**

LOCAL FIRE AUTHORITY (LFA)
 LFA Agency Name: **Kern County Fire** Title: **Plan Reviewer**
 LFA Reviewer Name: **Jim Killam** Telephone Number: **661.391.3313**
 Email: **jkilam@kerncountyfire.org**

I have reviewed and responded to the applicable items for this project as listed below.
 Note: Only sign this form when it is inserted onto the site plan. A loose form is not acceptable to DSA.
 LFA Reviewer's Signature: *[Signature]* Date: **11/1/15**
 Review Key: "Y" = Complies with LFA requirements "N" = Not approved (complete Section 8)
 "NA" = Not applicable to the project "NR" = LFA elects not to review

Description	Y	N	NA	NR
1 Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.			x	
2 Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.	x			
3 Fire hydrant location and distribution complies with the California Fire Code (or see # 4).	x			
4 Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.		x		
Signature of School District Official: _____ Date: _____				
Print the School District Official's Name: _____				
5 The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.			x	
6 The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.	x			
7 Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Check type if "Yes": <input type="checkbox"/> Moderate <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
COMMENTS (note deficiencies): _____				
DSA 810 (rev 05-12-14) Page 1 of 1 DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA				

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 MFG.
- M. THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURER'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 MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.
- 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. 11B-303.5.

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. ACCESSIBLE PATH OF TRAVEL (P.O.T.) REFER TO ACCESSIBILITY NOTE THIS SHEET
10. EXISTING DRIVE APPROACH TO REMAIN
11. EXISTING CONCRETE WALK TO REMAIN
12. 20' WIDE FIRE TRUCK ACCESS LANE
13. NEW CLASSROOM ON WOOD FOUNDATION W/ METAL RAMPS INSTALLED PER MANUFACTURERS DRAWINGS
14. EXISTING FIRE HYDRANT TO REMAIN
15. (E) ACCESSIBLE BOYS RESTROOM PER #03-113549
16. (E) ACCESSIBLE MENS RESTROOM PER #03-113549
17. (E) ACCESSIBLE WOMENS RESTROOM PER #03-113549
18. (E) ACCESSIBLE GIRLS RESTROOM PER #03-113549
19. EXISTING RAMP PER DSA APP #51927 W/ HANDRAILS PER DSA APP #03-113549
20. EXISTING ACCESSIBLE RAMP PER DSA APP #03-113549
21. EXISTING HI/LOW DRINKING FOUNTAIN PER DSA APP #03-113535
22. EXISTING 20' ACCESS GATE W/ KNOX BOX PER LOCAL FIRE MARSHAL REQUIREMENTS
23. EXISTING SITE ENTRANCE SIGN PER DSA APP #03-113549
24. ACCESSIBLE RESTROOM DIRECTIONAL SIGNAGE MOUNTED AT +80" MIN. ABOVE FINISH GRADE. SEE DETAIL 6/A1.03
25. NEW DETECTOR CHECK VALVE. PER BAKERSFIELD STANDARDS
26. NEW FIRE HYDRANT, PER BAKERSFIELD STANDARDS
27. NEW PIPE BOLLARDS, PER DETAIL 5/A1.03. TYP OF 5
28. NEW 8" FIRE LINE PER CITY STANDARDS

ACCESSIBILITY NOTES

THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

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 3/4" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 3/4"
- 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

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Rev. No.	Date	Revision Description

OVERALL SITE PLAN
 PIONEER ELEMENTARY SCHOOL
 PORTABLE CLASSROOM
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DR. BAKERSFIELD, CA.

Sheet Title: _____
 Project Name & Address: _____

Issue Date: 7/31/17
 Date: 10/18/18
 Designer: _____
 DRA: _____
 PC: RJD

Agency Approval Stamp:

FILE # 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC: _____
 DATE: 10/18/18
 TRACKING #: 63321-294

Stamp(s):

Job No.: **5289**

Sheet No.: **A1.01**

Release: _____



PIONEER SCHOOL
THRUST BLOCK CALL
 STATIC PRESSURE = 72 PSI
 ASSUMED ALLOWABLE BEARING PRESSURE = 1500 PSI
 PER COB THRUST BLOCK DETAIL W-2

CHECK 90° ON THRUST BLOCK

$$F_p = (72 \text{ psi}) \left(\frac{\pi \cdot (8 \text{ in})^2}{4} \right) = 3619 \#$$

$$F_c = \sqrt{F_p^2 + F_p^2} = \sqrt{3619^2 + 3619^2} = 5110 \#$$

$$F_R = 5110 \# \div 70\% = 731 \#/\text{sq}$$

SAFETY FACTOR = ALLOW/APPLIED
 = 1500 PSE / 731 PSE
 SF = 2.05

11/13/18

PORTER & ASSOCIATES, INC.
 REGISTERED ARCHITECT & SURVEYOR
 1200 21st Street, Bakersfield, California 93310
 805.327.0942 • FAX 805.327.7085

JOB NO. PIONEER
 DATE: 11/13/18
 SHEET 1 of 1

PREPLAN / INSPECTION REPORT / BILLING INVOICE

FILE NO. 54222

D.B.A. Pioneer Elementary school

LOCATION 4404 Pioneer Dr Bakersfield

BUSINESS MANAGER

BUSINESS OWNER

APPROVED: [Signature]

REMARKS:
 Flow test: 2018-ET-004
 Static 72
 Residual 65
 GPM 1000

Hydrant Located on the NW corner of Pioneer and Shalimar

REGULAR INSP. TOTAL TIME TO COMPLETE INSPECTION 1.0

RE-INSPECTION DATE OF LAST PAYMENT

MISC. INSP. (PREVENTION ONLY)

CLEARANCE SCHEDULED DATE OF RE-INSPECTION

GRANTED DENIED

HYDRANT TEST

Office Memorandum • Kern County Fire Department

To: Sta 42 Date: 5/1/18

From: Fire Prevention Phone: 661-862-8750

Subject: Hydrant Test

The hydrant is located at NW corner of Pioneer and Shalimar.

A flow test has been performed with the following results:

APN #

Static 72 @ 20psi
 Residual 65
 GPM 1000 2950 GPM

White Station
 Capacity - Graphics/Planning
 Pipe - BFD
 (805) 327-2800

- ## KEY NOTES
- EXISTING CHAIN LINK FENCE AND GATE TO REMAIN
 - EXISTING SIDEWALK TO REMAIN
 - NEW TACTILE EXIT SIGN PER DETAIL 2/A1.03
 - NEW ROOM IDENTIFICATION AND ISA SIGNAGE, REFER TO DETAILS 3, 4/A1.03
 - 20' WIDE FIRE TRUCK ACCESS LANE OVER EXISTING AC PAVING W/ KNOX BOX PER LOCAL FIRE MARSHAL
 - NEW PORTABLE BUILDINGS ON WOOD FOUNDATIONS WITH METAL RAMP SUPPLIED BY MANUFACTURER.
 - EXISTING TREE AND PLANTER TO REMAIN
 - NEW FOUNDATION PER PC #04-111441
 - NEW RAMP TRANSITION PER 19/R2.0
 - 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) SIZES BELOW HVAC UNIT AND PROVIDE BOTTOM CLOSURE PANEL PAINT.
 - NEW FIRE HYDRANT, PER CITY STANDARDS
 - NEW PIPE BOLLARDS PER DETAIL 5/A1.03
 - NEW 8" FIRE HYDRANT WATER LINE, PER CITY STANDARDS

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 Phone (559) 435-0887 Fax (559) 435-0887 E-Mail: design@somam.com
 www.integrateddesigns.com

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

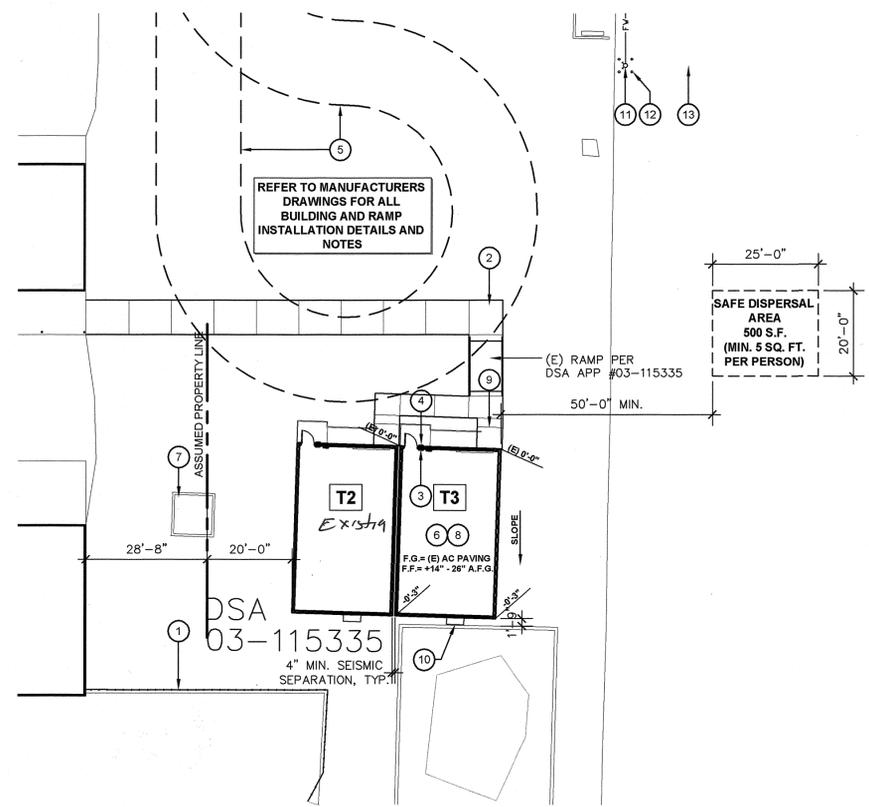
SERIAL NUMBER SCHEDULE

CLSRM	STKP #	SERIAL #
T3	67333	25674/675

SAFE DISPERSAL

CLASSROOMS
 2 CLASSROOMS @ 960 S.F. (24'x40') EA. = 1,920 S.F.
 96 OCCUPANTS x 5 S.F. / OCCUPANT = 480 S.F. REQ'D
 500 S.F. PROVIDED = OK

ENLARGED SITE PLAN
 PIONEER ELEMENTARY SCHOOL
 PORTABLE CLASSROOM
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DR. BAKERSFIELD, CA.



ENLARGED SITE PLAN
 PORTABLE CLASSROOM

SCALE: 1" = 20'

Issue Date: 7/31/17 Date: 10/18/18
 Designer: DR: PC RJD

Agency Approval Stamp:
 FILE #: 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC ME FLS SS
 DATE: 10/14/18
 TRACKING #: 63321-294

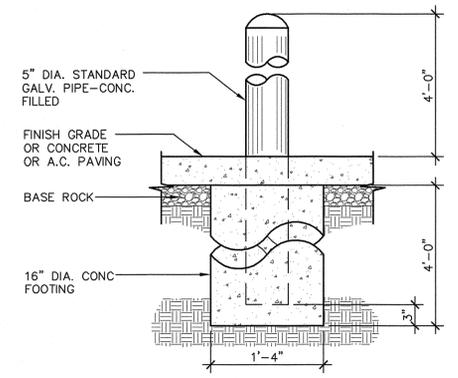
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Job No.: 5289

Sheet No.: A1.02

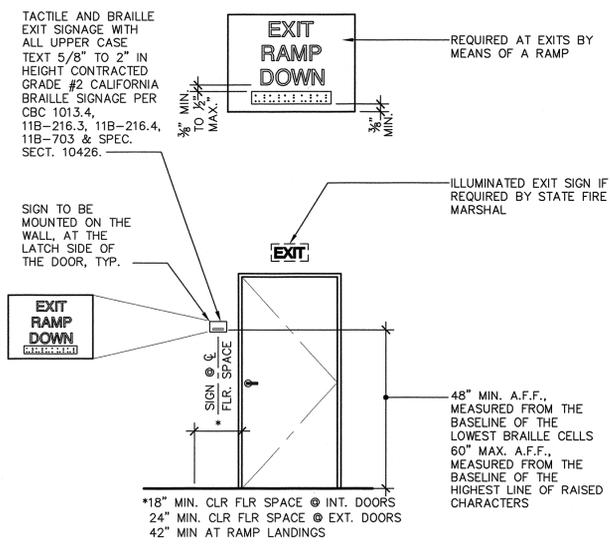
Release: -

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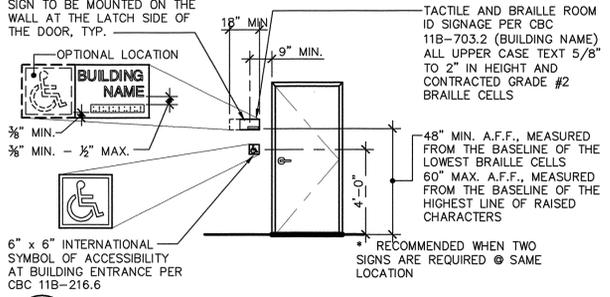
5 STEEL BOLLARD - NO Chance of Auto Impact
 A1.03 ADS100-33 SCALE: 1" = 1'-0"

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



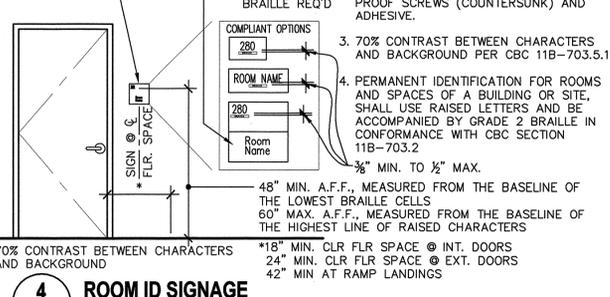
2 TYPICAL EXTERIOR DOOR SIGNAGE
 A1.03 ADX200-01 SCALE: 3/8" = 1'-0"

- NOTES:
- DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
 - ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.
 - 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER CBC 11B-703.5.1.
 - ISA SYMBOL CAN ALSO BE PLACED ON DOOR. THE LOCATION IS NOT REGULATED.

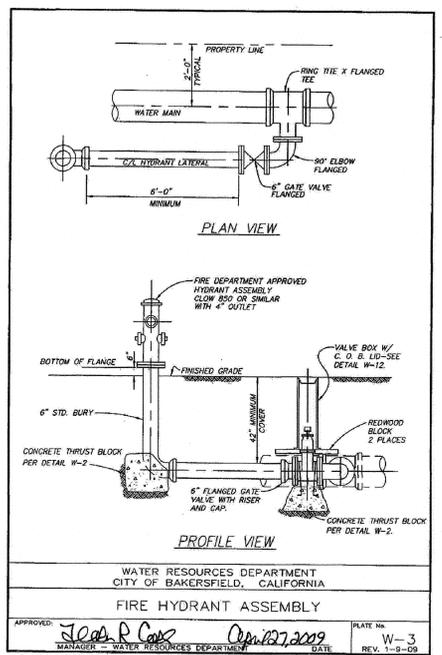


3 BUILDING ENTRANCE/I.S.A. SIGNAGE
 A1.03 ADA100-01 SCALE: 1/4" = 1'-0"

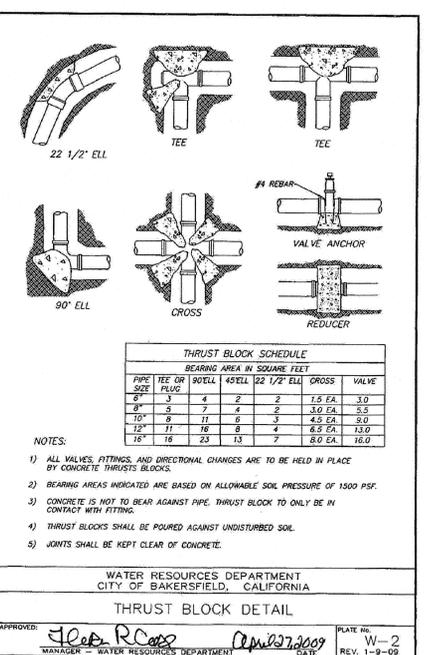
- NOTES:
- DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
 - ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.
 - 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER CBC 11B-703.5.1
 - 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 CBC SECTION 11B-703.2



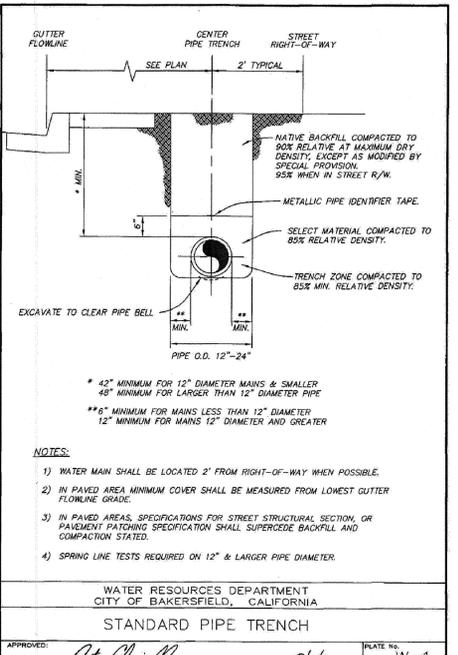
4 ROOM ID SIGNAGE
 A1.03 ADX100-01 SCALE: NO SCALE



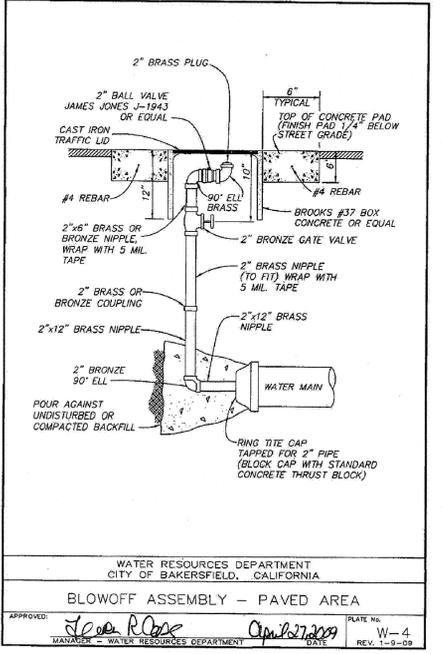
WATER RESOURCES DEPARTMENT
 CITY OF BAKERSFIELD, CALIFORNIA
FIRE HYDRANT ASSEMBLY
 APPROVED: *John R. Case* DATE: *09/13/2009* PLATE NO. W-3
 MANAGER - WATER RESOURCES DEPARTMENT REV. 1-9-09



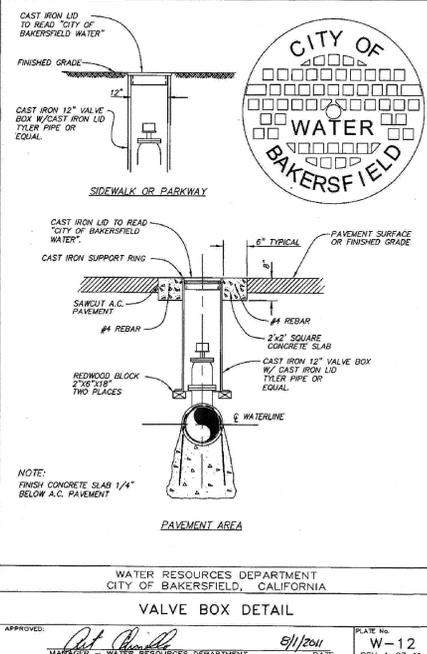
WATER RESOURCES DEPARTMENT
 CITY OF BAKERSFIELD, CALIFORNIA
THRUST BLOCK DETAIL
 APPROVED: *John R. Case* DATE: *09/13/2009* PLATE NO. W-2
 MANAGER - WATER RESOURCES DEPARTMENT REV. 1-9-09



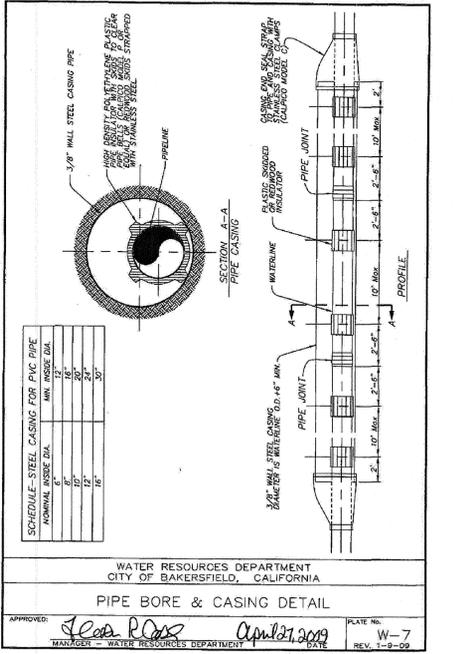
WATER RESOURCES DEPARTMENT
 CITY OF BAKERSFIELD, CALIFORNIA
STANDARD PIPE TRENCH
 APPROVED: *Pat Chisell* DATE: *8/1/01* PLATE NO. W-1
 MANAGER - WATER RESOURCES DEPARTMENT REV. 1-9-09



WATER RESOURCES DEPARTMENT
 CITY OF BAKERSFIELD, CALIFORNIA
BLOWOFF ASSEMBLY - PAVED AREA
 APPROVED: *John R. Case* DATE: *09/13/2009* PLATE NO. W-4
 MANAGER - WATER RESOURCES DEPARTMENT REV. 1-9-09



WATER RESOURCES DEPARTMENT
 CITY OF BAKERSFIELD, CALIFORNIA
VALVE BOX DETAIL
 APPROVED: *Pat Chisell* DATE: *8/1/01* PLATE NO. W-11
 MANAGER - WATER RESOURCES DEPARTMENT REV. 1-9-09



WATER RESOURCES DEPARTMENT
 CITY OF BAKERSFIELD, CALIFORNIA
PIPE BORE & CASING DETAIL
 APPROVED: *John R. Case* DATE: *09/13/2009* PLATE NO. W-7
 MANAGER - WATER RESOURCES DEPARTMENT REV. 1-9-09

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Rev. No.	Date	Description

DETAILS

PIONEER ELEMENTARY SCHOOL
 PORTABLE CLASSROOM
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DR. BAKERSFIELD, CA.

Issue Date: 7/31/17
 Date: 10/18/18
 Designer: [Signature]
 DR: [Signature]
 PC: RJD

Agency Approval Stamp:

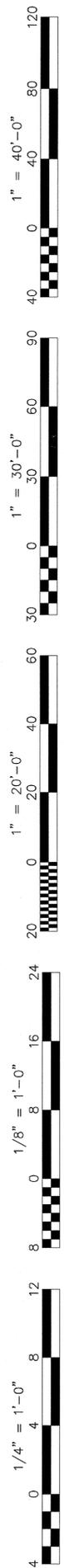
FILE # 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC: [Signature]
 DATE: NOV 14 2018
 TRACKING #: 63321-294

Stamp(s):

Job No: **5289**

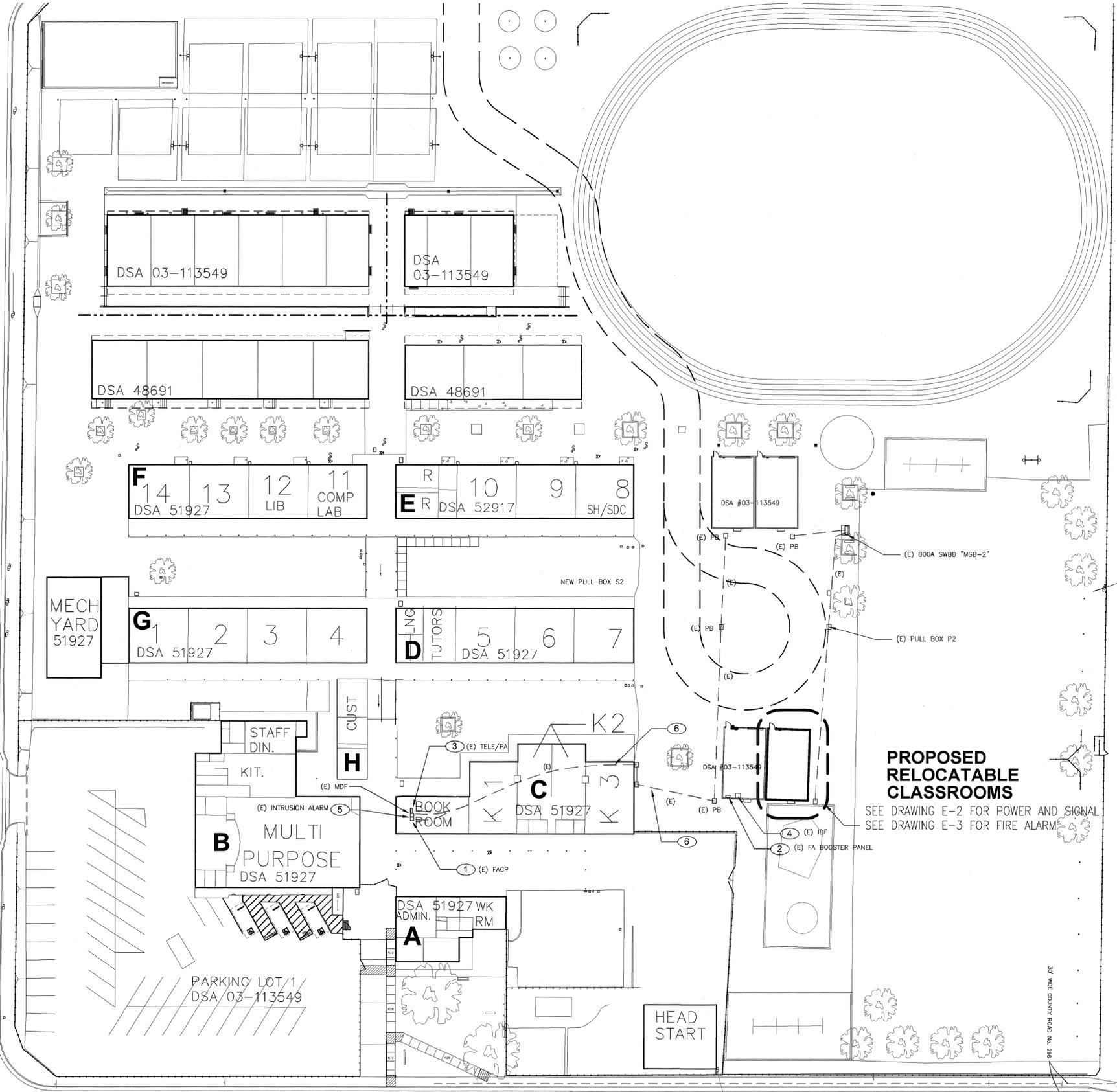
Sheet No: **A1.03**

Release: -



SITE PLAN - ELECTRICAL

SCALE : 1" = 30' - 0"



PROPOSED RELOCATABLE CLASSROOMS

SEE DRAWING E-2 FOR POWER AND SIGNAL
SEE DRAWING E-3 FOR FIRE ALARM

SHEET NOTES

- 1 APPROXIMATE LOCATION FOR EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL TO REMAIN. DSA 03-113549. 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 FA NAC SIGNAL POWER BOOSTER PANEL. CONNECT NEW FA DEVICES PER PLANS. SEE FA PLAN E-3.
 - 3 APPROXIMATE LOCATION FOR EXISTING PA/IC/TELEPHONE EQUIPMENT IN ADMIN OFFICE. CONNECT NEW SIGNAL DEVICES PER PLANS. SEE RISER DIAGRAM 2/E-4.
 - 4 APPROXIMATE LOCATION FOR EXISTING COMPUTER IDF SERVER EQUIPMENT. CONNECT NEW DATA OUTLETS PER PLANS. SEE RISER DIAGRAM 7/E-4.
 - 5 APPROXIMATE LOCATION FOR EXISTING MASTER INTRUSION EQUIPMENT IN ADMIN OFFICE. CONNECT NEW INTRUSION ALARM DEVICES PER PLANS. SEE RISER DIAGRAM 5/E-4.
 - 6 EXISTING SIGNAL CONDUITS PATHWAY, FOR REFERENCE ONLY. PULL BACK NEW SIGNAL CABLES PER RISER DIAGRAMS ON DRAWING E-4. CONTRACTOR SHOULD INCLUDE ALLOWANCE IN HIS BID PROPOSAL TO FIELD VERIFY EXACT LOCATION AND REQUIREMENT PER PLANS.
- (E) INDICATE EXISTING CONDUIT AND WIRING, FOR REFERENCE ONLY. FIELD VERIFY AS REQUIRED.

PROJECT NOTES

- A. EXISTING ELECTRICAL SERVICE HAS BEEN INVESTIGATE AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION AS SHOWN ON THESE PLANS OR
- B. SOURCE OF POWER HAS BEEN INVESTIGATED AND IS ADEQUATE FOR THE ADDITIONAL LOAD.
- C. SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TEST.
- D. CONTRACTOR TO MONITOR EXISTING FIRE ALARM SYSTEM IF IT IS INTERRUPTED OR DISCONNECTED.

MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAILS IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 12.6.8, 13.6.5.6 AND 2016 CBC, SECTION 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENT ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMOCA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP MD PP E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP MD PP E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) _____

MP MD PP E - OPTION 3: SHALL COMPLY WITH SMOCA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMOCA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

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Phone (559) 498-0881 Fax (559) 498-0887 E-Mail: design@somam.com
www.integrateddesigns.com

Revision	Revision Description	Rev. Date

SITE PLAN - ELECTRICAL

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

Issue Date:	00/00/17
Date:	00/00/17
Designer:	J CHONG
DR:	J CHONG
PC:	

Agency Approval Stamp:

FILE # : _____

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

03-118271

AC: FLS SS ok

DATE: NOV 14 2018

TRACKING #: DSA TRACKING NO.

Stamp(s):

Job No.: **5289**

Sheet No.: **E-1**

Release:

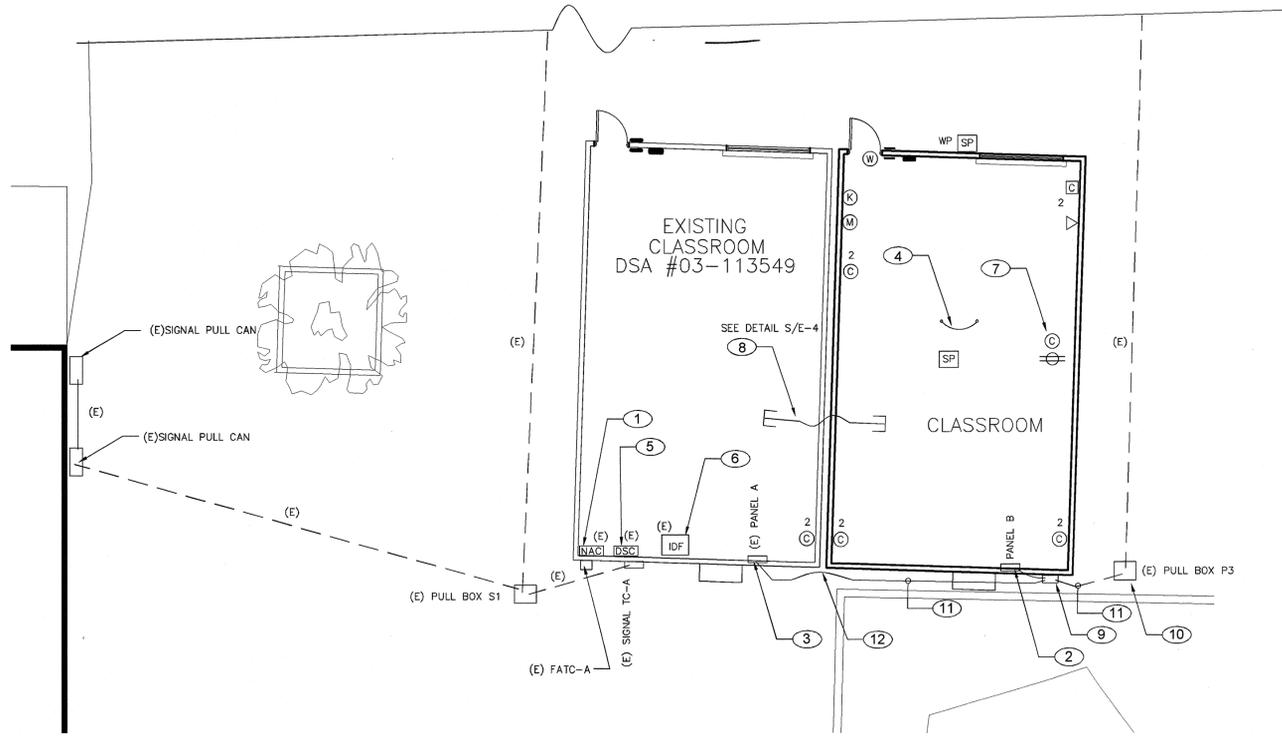
CONSULTING ENGINEERS

John Chong Engineering

JOHN S. CHONG
E 14419
Exp. 6/30/2018
ELECTRICAL

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REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA



SIGNAL AND COMM. LEGEND

- SECURITY ALARM SYSTEM**
- [DSC] DIGITAL SECURITY ALARM CONTROL PANEL MODEL SONITROL (64ZONE). INTERFACE WITH EXISTING BUILDING MASTER SECURITY 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 (SREN) - DSC#5015W 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**
- [H] HANDSET/HP PHONE - FIELD VERIFY MODEL NO. AND MATCH EXISTING MASTER EQUIPMENT AS REQUIRED.
 - [SP] CEILING SPEAKER - RAULAND #US0221 W/AC1401 BAFFLE. PROVIDE BACKBOX AND CEILING SUPPORT AS REQUIRED.
 - [WP] OUTDOOR SPEAKER - ATLAS #PFI5 HORN W/XMR AND LOWELL (#6384 FOR SURFACE, #P673X FOR RECESS) BACK BOX W/SQ/L GRILL
 - T- OUTDOOR TELE/AC CABLE. 22AWG SOLID COPPER 12 PAIR SHIELDED AND 12 PAIR UNSHIELDED CABLE.
 - T1- INDOOR TELEPHONE CABLE. CAT.3 22AWG SOLID COPPER 4UTP SHIELDED CABLE.
 - P1- OUTDOOR PA/IC CABLE - WEST PENN #AOC-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:**
- ALL SIGNAL CONDUCTORS CANNOT SPLICE INSIDE PULL BOX. CONDUCTOR MUST BE CONTINUE RUN BETWEEN SIGNAL DEVICES BACK BOX OR ABOVE GROUND TERMINAL CABINET.
 - IN CASE OF CONFLICT BETWEEN SIGNAL DEVICES CATALOG NUMBERS, DESCRIPTION SHALL PREVAIL.

POWER AND SIGNAL PLAN

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

EXISTING PANEL A SCHEDULE SHOWN FOR REFERENCE ONLY
SEE PC PLANS FOR ALL PANEL SCHEDULES.

CIRCUIT	SERVING	120/240V 1Ø 3W				CLASSROOM		FLUSH MOUNT	
		100 AMP MAIN BREAKER				SERIES 10K AIC		NEMA 1	
		AMP	ØA	ØB	ØC	AMP	ØA	ØB	ØC
1	RECEPTACLES/CLOCK	20/1	0.3	1.5				4 TON AC	
3	RECEPTACLES	20/1	0.2	1.5				4	
5	INTERIOR LIGHT	20/1	0.2	1.5				SPACE	
7	EXTERIOR LIGHT	20/1	1.7	1.5				IDF OUTLET	
9	GFI RECEPTACLE	20/1	1.6	1.5				SECURITY ALARM PANEL	
11	FIRE SPRINKLER SWITCH AND BELL	20/1	0.7	1.5				FIRE ALARM BOOSTER PANEL	
			19KW	17KW					
			158A	142A					

NOTES:

- UPDATE CIRCUIT DIRECTORY INSIDE PANEL
- PROVIDE ARC FLASH LABEL ON PANEL DOOR
- PROVIDE MECHANICAL LOCK ON BREAKER
- PROVIDE MECHANICAL LOCK ON BREAKER PER NFPA 72, 10.6.5.2: DEDICATED CIRCUIT, MECHANICALLY PROTECTED (LOCKOUT), RED MARKING, ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL (ID'D AS FIRE ALARM, EMERGENCY COMMUNICATIONS OR FIRE ALARM/ECS. LOCATION OF CIRCUIT DISCONNECT (BREAKER) PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

FIRE ALARM SEQUENCE OF OPERATIONS

	ACTIVATE ALARM KNOB	ACTIVATE ALARM BELL	ACTIVATE ALARM SIREN	ACTIVATE ALARM LIGHT	ACTIVATE ALARM SMOKE DETECTOR	ACTIVATE ALARM HEAT DETECTOR	ACTIVATE ALARM TAMPERS	ACTIVATE ALARM GLASS BREAK	ACTIVATE ALARM VIBRATION	ACTIVATE ALARM DUCT	ACTIVATE ALARM WATERFLOW	ACTIVATE ALARM FLOOR	ACTIVATE ALARM ELEVATOR	ACTIVATE ALARM SHUNT	ACTIVATE ALARM MISC	ACTIVATE ALARM BELL	ACTIVATE ALARM SIREN	ACTIVATE ALARM LIGHT	ACTIVATE ALARM SMOKE DETECTOR	ACTIVATE ALARM HEAT DETECTOR	ACTIVATE ALARM TAMPERS	ACTIVATE ALARM GLASS BREAK	ACTIVATE ALARM VIBRATION	ACTIVATE ALARM DUCT	ACTIVATE ALARM WATERFLOW	ACTIVATE ALARM FLOOR	ACTIVATE ALARM ELEVATOR	ACTIVATE ALARM SHUNT	ACTIVATE ALARM MISC
MANUAL PULL STATION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SMOKE DETECTORS:																													
ALL (EXCEPT LISTED BELOW)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PRIMARY FLOOR LOBBY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ALL OTHER LOBBIES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELEVATOR MACHINE ROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELEVATOR SHAFT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HEAT DETECTORS:																													
ALL (EXCEPT LISTED BELOW)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELEVATOR MACHINE ROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELEVATOR SHAFT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DUCT DETECTOR																													
FIRE SPRINKLER WATERFLOW SWITCH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FIRE SPRINKLER TAMPERS SWITCH	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
POST INDICATOR VALVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WIRING CONDITIONS:																													
SIGNALING LINE CIRCUIT (SLC)-																													
WIRE-TO-WIRE SHORT		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SINGLE OPEN		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SINGLE GROUND		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
INITIATING DEVICE CIRCUIT (IDC)-																													
WIRE-TO-WIRE SHORT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SINGLE OPEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SINGLE GROUND	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NOTIFICATION APPLIANCE CIRCUIT (NAC)-																													
WIRE-TO-WIRE SHORT	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SINGLE OPEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SINGLE GROUND	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LOSS OF 120VAC POWER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SIGNAL SILENCE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RESET KNOB	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

NOTE: SOME SEQUENCE OF OPERATIONS SHOWN MAY NOT APPLY

SHEET NOTES

- EXISTING FIRE ALARM DISTRIBUTED POWER MODULE WITH 110V DEDICATED CIRCUIT AND CONNECT TO (E) PANEL A CIRCUIT #12. (E) LOCKING DEVICE AND RED MARK LABEL ON CIRCUIT BREAKER AND PANEL DOOR. SEE DRAWING E-3 FOR MORE INFORMATION.
- PROVIDE POWER CONNECTION FOR RELOCATABLE BUILDING PRE-WIRED PANEL. SEE SINGLE LINE DIAGRAM 1/E-4.
- RECONNECT EXISTING PANEL DUE TO EXISTING RELOCATABLE BUILDING HAS BEEN REMOVED. RE USE EXISTING CIRCUITS AND FEEDERS. FIELD VERIFY BEFORE DEMOLITION.
- PROVIDE #6 COPPER GROUNDING CONDUCTOR AND BOND TO EACH SECTION STRUCTURAL STEEL BEAM, FIELD VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- EXISTING SECURITY ALARM PANEL AND SYSTEM, CONNECT NEW SECURITY ALARM DEVICES PER PLANS. SEE RISER DIAGRAM 5/E-4.
- EXISTING IDF AND CABINET SURFACE MOUNTED BELOW CEILING. CONNECT NEW DATA OUTLET AND IP PHONE PER PLANS. SEE RISER DIAGRAM 7/E-4.
- PROVIDE DATA AND POWER OUTLET AT CEILING FOR SMART BOARD. FIELD VERIFY EXACT LOCATION AND REQUIREMENT WITH OWNER PRIOR TO INSTALLATION. SEE RISER DIAGRAM 7/E-4.
- PROVIDE 2" WP FLEX CONDUIT BETWEEN BUILDING. STUB CONDUITS INTO ATTIC SPACE FOR SIGNAL WIRING RACEWAY. CORE DRILL AND SEAL EXTERIOR AS REQUIRED. SEE DETAIL 3/E-4.
- PROVIDE 24"x24"x8" NEMA3R NEW PULL CAN SURFACE MOUNTED ON EXTERIOR WALL AT +24" AFF. INSTALL NEW CONDUITS AND WIRING PER SINGLE LINE DIAGRAMS.
- (E) POWER PULL BOX. REUSE EXISTING FEEDER AND RECONNECT EXISTING PANEL A. PROVIDE NEW CONDUITS AND FEEDERS AS REQUIRED. SEE SINGLE LINE DIAGRAM.
- PROVIDE NEW CONDUIT AND FEEDER FOR EXISTING PANEL A RECONNECTION. SURFACE MOUNT ON EXTERIOR BUILDING WALL. SEE DETAIL 5/E-4.
- PROVIDE FLEX CONDUIT BETWEEN BUILDINGS. SEE DETAIL 3/E-4.

CODE RULES AND REGULATIONS

ALL WORK AND MATERIAL SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, THE CALIFORNIA ELECTRICAL CODE, THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND OTHER APPLICABLE STATE LAWS OR REGULATIONS. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS:

- 2016 CALIFORNIA ELECTRIC CODE (CEC).
- 2016 CALIFORNIA FIRE CODE (CFC).
- 2016 TITLE 19 (CCR), PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 2016 NFPA 72 (CALIFORNIA AMENDED) - NATIONAL FIRE ALARM CODES. POLICY #95-03, FIRE AND LIFE SAFETY, DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES.

U.S.A. - UNDERGROUND SERVICE ALERT CALL BEFORE YOU DIG: 1-800-842-2444

THE LOCATION OF EXISTING UNDERGROUND UTILITIES WERE TAKEN FROM SOURCES BELIEVED TO BE RELIABLE. HOWEVER, THEY HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THIS ENGINEER. THE CONTRACTORS SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTIFY OWNER 72 HOURS PRIOR TO ANY EXCAVATION

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

POWER AND SIGNAL PLAN

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

Issue Date: 00/00/17
Date: 00/00/17
Designer: J CHONG
DR: J CHONG
PC:

Agency Approval Stamp:

FILE #:
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

03-118271
AC: _____
DATE: 10/14/18

TRACKING #: DSA TRACKING NO.

CONSULTING ENGINEERS
John Chong ENGINEERING

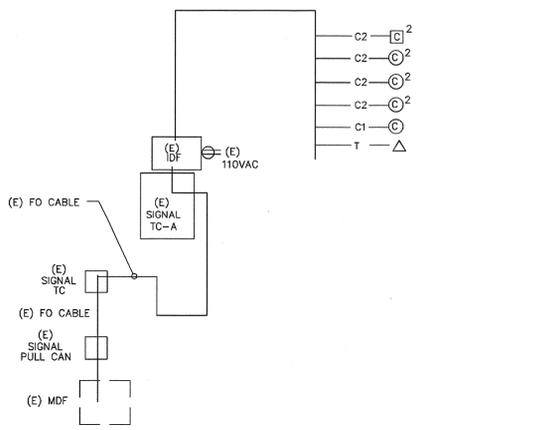
JOHN S. CHONG
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Job No.: **5289**

Sheet No.: **E-2**

Release:



FIBER OPTIC CABLE
 THREE MULTIMODE PAIRS (SIX STRANDS) AND THREE SINGLE-MODE PAIRS (SIX STRANDS)
 OPTICAL CABLE COMPANY # DX 12/0650-6W35B/1UC-6SYMC-YMD/900-OPNR OF EQUAL
PLATE CABLE
 SEN4P24-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 OWNER FOR REVIEW AND APPROVAL.

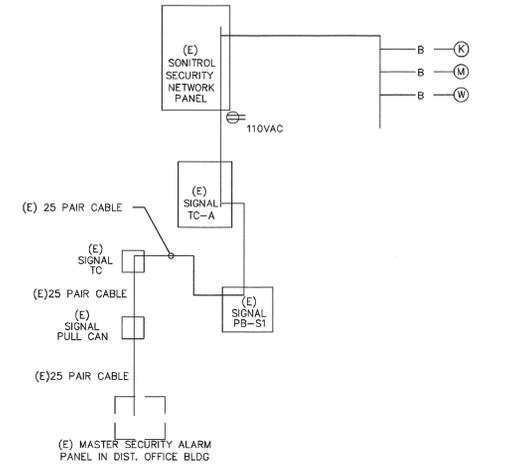
IDF SWITCH EQUIPMENT
 F/O CISCO WS-C2950G-24 W/ WS-C5484 GBIC
 TP CISCO WS-C2950-24
 CABINETS SOUTH WESTERN DATA PRODUCT SWE 4000-18UBDLK OR EQUAL
 JACKS ALLEN TEL AT55-16 OR EQUAL
 FACEPLATE ALLEN TEL AT30-2-09 OR EQUAL
 PATCH PANEL ALLEN TEL ATPNL-24 OR EQUAL

LABELING IDENTIFICATION
 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.

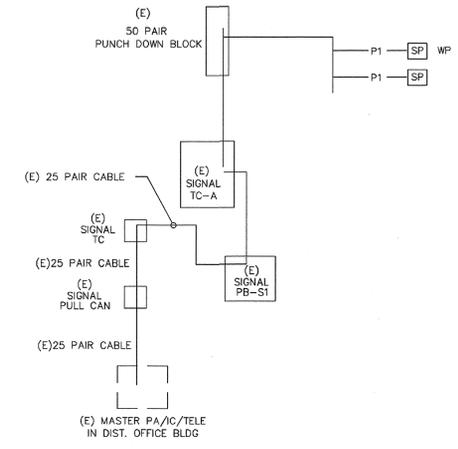
DATA COMMUNICATION SYSTEM NOTES

- CONTRACTOR TO PROVIDE ALL EQUIPMENT, PATCH CABLE AND ACCESSORY FOR A FULLY FUNCTIONAL SYSTEM.
- NEW DATA JACK WIRING CONFIGURATION MUST BE MATCHED EXISTING SYSTEM. FIELD VERIFY PRIOR TO INSTALLATION.
- 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.
- ALL EQUIPMENT DOCUMENTATION AND WARRANTY INFORMATION WILL BE PROVIDED TO OWNER.

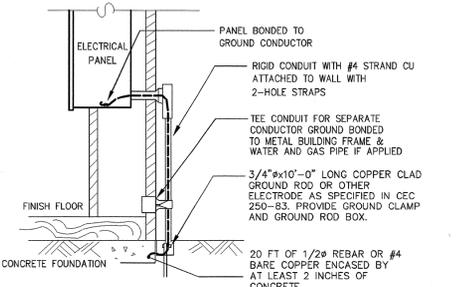
7 DATA COMMUNICATION SYSTEM RISER DIAGRAM N.T.S.



5 SECURITY ALARM SYSTEM RISER DIAGRAM N.T.S.



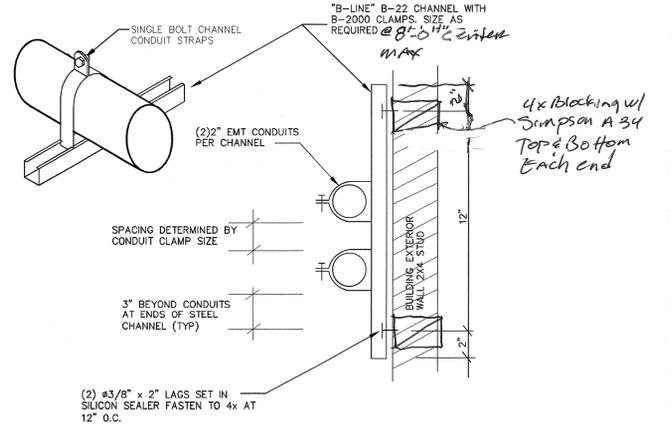
2 PA/IC/TELE SYSTEM RISER DIAGRAM N.T.S.



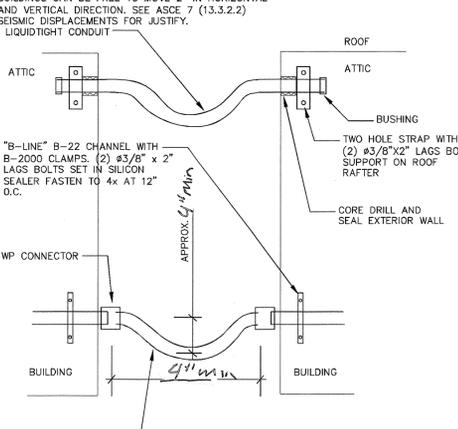
NOTES:

- SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250-66.
- 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).
- 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).
- CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 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). FIELD INSPECTOR SHALL WITNESS GROUNDING TEST.

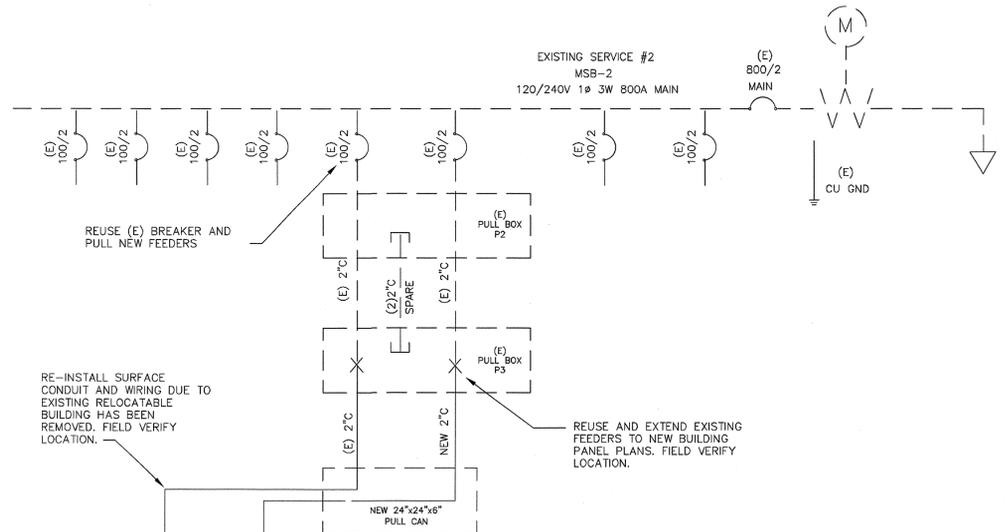
4 GROUNDING DETAIL N.T.S.



6 CONDUIT SUPPORT DETAIL N.T.S.



3 FLEX CONDUIT SUPPORT DETAIL N.T.S.



NOTES:

- ALL NEW CONDUCTOR SHALL BE 75°C THWN-2 COPPER IN CONDUIT. (AMPAICITY 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 2016 CEC 110-14(C)(1).)
- 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.
- MC CABLE WITH SEPARATE GROUND CONDUCTOR CAN BE USED IN CEILING AND CONCEAL IN WALL.
- STEEL BACK BOX SHALL BE PROVIDE FOR ALL NEW ELECTRICAL DEVICES SUCH AS SWITCH, OUTLET AND CONDUCTOR SPLICE.
- 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.

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

Sheet Title: **DETAILS AND SYSTEM DIAGRAMS**

Project Name & Address: **PIONEER ELEMENTARY 1 RELOCATABLE CLASSROOM**
 BAKERSFIELD CITY SCHOOL DISTRICT
 4404 PIONEER DR., BAKERSFIELD, CA

Issue Date: 00/00/17
 Date: 00/00/17
 Designer: J CHONG
 DR: J CHONG
 PC: J CHONG

Agency Approval Stamp:
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 OFFICE OF REGULATION SERVICES
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 AC: J CHONG
 DATE: 11/14/18
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Stamp(s):

Job No.: **5289**

Sheet No.: **E-4**

Release:

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SECTION 16000
ELECTRICAL WORK

PART 1: GENERAL

THE GENERAL AND SUPPLEMENTARY GENERAL CONDITIONS SHALL APPLY TO ALL WORK OF THIS SECTION.

1-01 SCOPE OF WORK:

- A. THIS PORTION OF THE WORK INCLUDES THE FURNISHING OF ALL LABOR AND MATERIAL NECESSARY FOR A COMPLETE WIRING SYSTEM TO OUTLETS AND ALL EQUIPMENT SHOWN ON THE DRAWINGS OR COVERED BY THIS SECTION OF THE SPECIFICATIONS.
 - 1. COMPLETE SYSTEM OF BRANCH CIRCUIT WIRING AND EQUIPMENT FOR LIGHTS, PLUGS AND POWER.
 - 2. FURNISH AND INSTALL POWER PANEL, FIXTURES, LAMPS, WALL SWITCHES AND CONVENIENCE OUTLETS.
 - 3. ALL HANGERS, ANCHORS, SLEEVES, CHASES AND SUPPORTS FOR FIXTURES, ALL ELECTRICAL EQUIPMENT MATERIALS.
 - 4. FURNISH, INSTALL AND CONNECT SWITCHES ETC., REQUIRED FOR EQUIPMENT COVERED BY OTHER SECTIONS OF THESE SPECIFICATIONS.
 - 5. PROVISION OF FIRE ALARM SYSTEM PER PLANS.

1-02 WORK NOT INCLUDED:

- A. THE FOLLOWING WORK SHALL BE DONE UNDER THE HEATING AND VENTILATING SECTION OF THE SPECIFICATIONS, FURNISH CONTROL EQUIPMENT (THE LOW VOLTAGE CONTROL AND INTERLOCK; FURNISH AND INSTALL MOTORS).

1-03 RULES AND REGULATIONS:

- A. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST AND REGULATIONS OF THE STATE FIRE MARSHAL; TITLE 24, PART 3; THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY; THE CALIFORNIA ELECTRICAL CODE; AND OTHER APPLICABLE STATE LAWS OR REGULATIONS. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1-04 EXAMINATION OF SITE AND PLANS:

- A. BEFORE SUBMITTING A PROPOSAL, EACH BIDDER SHALL CAREFULLY EXAMINE THE ELECTRICAL, DRAWINGS AND SPECIFICATIONS. HE SHALL ALSO VISIT THE SITE AND FULLY INFORM HIMSELF AS TO ALL EXISTING CONDITIONS AND LIMITATIONS APPLYING TO THE WORK.

- B. IF, AFTER SUCH EXAMINATION AND STUDY, IT APPEARS THAT ANY CHANGE FROM THE DRAWINGS AND SPECIFICATIONS SHALL BE ALLOWED, THE BIDDER SHALL SO STATE IN WRITING TOGETHER WITH ANY CHANGE IN COST INVOLVED.

- C. BY THE ACT OF SUBMITTING A PROPOSAL, EACH BIDDER SHALL BE DEEMED TO HAVE MADE SUCH EXAMINATION OF THE DRAWINGS AND PREMISES, AND IT WILL BE ASSUMED THAT HE IS THEREFORE FAMILIAR WITH AND ACCEPTS, AND HAS BASED HIS PROPOSAL UPON SUCH EXISTING CONDITIONS AND LIMITATIONS APPLYING TO THE WORK.

1-05 WORKMANSHIP AND MATERIALS:

- A. ALL WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS AND CARRIED OUT IN A MANNER SATISFACTORY TO AND MEETING THE APPROVAL OF THE ARCHITECT. ALL WORKMEN EMPLOYED IN MAKING THE INSTALLATION SHALL BE SKILLED IN THEIR PARTICULAR TRADES.
- B. ALL MATERIALS, APPLIANCES, AND EQUIPMENT SHALL BE NEW AND THE BEST OF THEIR RESPECTIVE KINDS, FREE FROM ALL DEFECTS OF THE MAKE, PROVIDED, THIS SHALL APPLY TO ALL PARTS OF THE WORK WHETHER OR NOT THIS PARTICULAR PARAGRAPH IS REFERRED TO BY NUMBER.
- C. ALL APPARATUS, CONDUIT SYSTEMS, ETC., SHALL BE INSTALLED AND INTERCONNECTED SO AS TO FORM COMPLETE SYSTEMS AS HEREIN PROVIDED AND SHOWN ON THE ACCOMPANYING DRAWINGS. THE DRAWINGS FURNISHED BY THE ARCHITECT TO SUPPLEMENT AND EXPLAIN THOSE ACCOMPANYING THESE SPECIFICATIONS.
- D. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL WORK NECESSARY TO MAKE COMPLETE WORKING SYSTEMS, EXCEPTING ONLY THOSE PORTIONS THAT ARE SPECIFICALLY MENTIONED HEREIN FURNISHED BY OTHER CONTRACTORS.

PART 2: PRODUCTS

2-01 SERVICE:

- A. EXISTING POWER SERVICE IS 2,000 AMP 277/480 VOLT THREE PHASE 4 WIRES.

2-02 PANELBOARDS:

- A. ALL THE PANELBOARD SHALL BE OF THE DEAD FRONT, DEAD REAR, COMPLETELY BUSSED AND WITH CIRCUIT BREAKERS AS PER LAYOUT ON PLANS AND AS BUILT BY SQUARE D, WESTINGHOUSE OR APPROVED EQUAL.
- B. THE PANELBOARD SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SET UP BY THE UNDERWRITER'S LABORATORIES, INC. PANEL FRONTS SHALL BE MONOTRIM TYPES WITH CONCEALED MOUNTING SCREWS.
- C. THE PANELBOARDS SHALL BE EQUIPPED WITH HINGED DOORS, TYPE WRITTEN CIRCUIT DIRECTORIES. ALL FINISH SHALL BE PRIME COAT. PROVIDE HINGED YALE LOCKS ON ALL PANELS KEYED ALIKE. FURNISH SIX (6) KEYS.

- D. DETAILED DRAWINGS OF THE PANELBOARDS CONSTRUCTION SHALL BE SUBMITTED TO THE ARCHITECT/ ENGINEERS AND UTILITY POWER COMPANY FOR APPROVAL BEFORE ITS CONSTRUCTION IS STARTED. SIX (6) COPIES REQUIRED.

2-03 WIRE:

- A. ALL WIRE INSTALLED IN THIS CONTRACT SHALL BE OF A STANDARD MANUFACTURER AS APPROVED BY THE NATIONAL BOARD OF FIRE UNDERWRITERS AND OF THE SIZE AS INDICATED ON THE DRAWINGS. ALL WIRE SHALL BEAR THE UNDERWRITER'S LABEL AND SHALL BE BROUGHT TO THE JOB IN UNBROKEN PACKAGES AND APPROVED BY THE ARCHITECT BEFORE IT IS INSTALLED.
- B. ALL CIRCUIT WIRE SHALL BE TYPE "THWN" COPPER UNLESS OTHERWISE NOTED. ALL FEEDERS SHALL BE "THWN" COPPER.
- C. NUMBER 12 B&S GAUGE WIRE SHALL BE THE SMALLEST GAUGE WIRE USED. ALL RUNS OVER 80 FEET FROM PANEL TO FIRST OUTLET SHALL BE INCREASED TO NEXT SIZE.
- D. NO WIRE SHALL BE DRAWN INTO CONDUIT UNTIL ALL WORK OF ANY NATURE THAT MAY CAUSE INJURY IS COMPLETED. NO BLOCKS, TACKLE OR OTHER MECHANICAL MEANS, SHALL BE USED IN PULLING IN WIRES AND CARE SHALL BE TAKEN IN PULLING WIRES THAT NO DAMAGE OCCURS TO THE INSULATION OR WIRE.
- E. ALL WIRE #6 B&S GAUGE OR LARGER SHALL BE STRANDED.
- F. ALL WIRING SHALL BE DONE WITH IDENTIFIED NEUTRALS.
- G. ALL SPLICED SHALL BE WITH "SCOTCHLOK" SPRING CONNECTORS. NO WIRE NUTS WILL BE PERMITTED.

2-04 CONDUIT:

- A. AN IRON PIPE CONDUIT SYSTEM SHALL BE INSTALLED FOR THE CONNECTIONS FOR ALL OUTLET BOXES, JUNCTION BOXES, PANELBOARD CABINETS, GUTTERS, ETC. CONDUIT SHALL BE RUN CONTINUOUS BETWEEN OUTLETS, ECT., AND WITH MINIMUM NUMBER OF BENDS.
- B. ALL CONDUIT INSTALLED IN CONCRETE SLABS, CONCRETE WALLS, UNDERGROUND OR IN DAMP OR HAZARDOUS AREAS, AND ALL CONDUIT CONTAINING WIRES LARGER THAN #4 AWG SHALL BE RIGID FULL WEIGHT. ALL OTHER CONDUIT MAY BE GALVANIZED ELECTRICAL METALLIC TUBING WITH GLAND RING WATERTIGHT TYPE. PVC SCHEDULE 40 MAY BE USED FOR UNDERGROUND RUNS. PROVIDE GREEN GROUND WIRE SIZED PER CODE FOR ALL RUNS.
- C. ALL CONDUITS SHALL BE SHERADUCT, G.E. WHITE, BUCKEYE OR EQUAL. STUB UPS FROM PVC SCHEDULE 40 SHALL BE RIGID STEEL ELBOWS.

2-05 OUTLET:

- A. IN GENERAL, THE LOCATIONS OF ELECTRICAL OUTLETS SHALL BE AS SHOWN ON THE DRAWINGS, HOWEVER, THE CONTRACTOR SHALL MAKE ANY CHANGES NECESSARY TO SUIT CONDITIONS ON THE JOB OR RE-ARRANGEMENT OF BUILT-IN FIXTURES AND EQUIPMENT AS DIRECTED BY THE ARCHITECT OR HIS REPRESENTATIVE.

- B. IT SHOULD BE INCUMBENT UPON THE CONTRACTOR TO STUDY THE GENERAL BUILDING PLANS WITH RELATION TO SPACES SURROUNDING EACH OUTLET IN ORDER THAT HIS WORK MAY FIT THE WORK OF OTHERS AND THAT WHEN FIXTURES OR OTHER EQUIPMENT ARE INSTALLED THEY WILL SYMMETRICALLY LOCATED ACCORDING TO ROOM LAYOUT. REFER ALL CONFLICTS AND DISCREPANCIES PROMPTLY TO THE ARCHITECT.

- C. ALL OUTLETS SHALL BE STANDARD ONE TO TWO PIECES GALVANIZED KNOCKOUT OUTLET BOXES, NATIONAL, STEEL CITY, APPLETON, OR EQUAL, AND APPROVED MAKE.

- D. ALL OUTLETS SHALL BE STANDARD ONE OR TWO PIECES GALVANIZED KNOCKOUT AND ALL OF A MANUFACTURE AS APPROVED.

- E. NO OUTLET BOX SHALL BE SMALLER THAN 4-INCH DIAMETER AND 1-1/2 INCH IN DEPTH.

- F. ALL SPECIAL OUTLETS SHALL BE AS HERINAFTER SPECIFIED.

2-06 PLATE FINISHES:

- A. ALL WALL SWITCHES, CONVENIENCE, TELEPHONE AND SPECIAL, ALSO BLANK COVERS FOR THE VARIOUS BOXES REQUIRED TO BE SO EQUIPPED, SHALL HAVE STAINLESS STEEL PLATES TO SUIT SIERRA OR EQUAL.
- B. GANG TYPE PLATES SHALL BE USED FOR MULTIPLE UNITS.
- C. PLATES FOR SWITCHES AND RECEPTACLES LOCATED OUTDOORS SHALL BE WEATHERPROOF (FLIP LID TYPES).

2-07 MATERIAL:

- A. TUMBLER SWITCHES SHALL BE LEVITON #1221-I SERIES, OR EQUAL 20 AMP. QUIETIE. MOTION DETECTOR SWITCHES SHALL BE HUBBELL #WSS-277 FOR 277V AND HUBBELL #WSS-120 FOR 120V.
- B. ALL CONVENIENCE RECEPTACLES SHALL BE LEVITON #5252-I.
- C. 208 VOLT, 3 WIRE RECEPTACLES SHALL BE HUBBELL #6810 OR EQUAL.
- D. EXTERNALLY OPERATED SWITCHES SHALL BE TYPE "C", SQUARE D, TRUMBELL OR EQUAL.

2-08 LIGHTING FIXTURES:

- A. NOT APPLY.

2-09 GROUNDING:

- A. ALL CONDUIT SYSTEM, SUPPORTS, CABINETS, SWITCHBOARDS, ETC., AND NEUTRAL CONDUCTORS MUST BE PERMANENTLY AND EFFECTIVELY GROUNDED BY MEANS OF APPROVED GROUND CLAMPS IN ACCORDANCE WITH THE ELECTRICAL SATIETY ORDERS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS.

- B. THIS CONTRACTOR SHALL EXERCISE EVERY PRECAUTION TO OBTAIN GOOD CONTACTS AT ALL PANEL BOXES, PULL BOXES, ETC., WHERE IT IS NOT POSSIBLE TO OBTAIN GOOD CONTACT, THE CONDUITS SHALL BE BONDED AROUND THE BOXES WITH A #6 B&S GAUGE, RUBBER COVERED DOUBLE BRAIDED WIRE WITH APPROVED GROUND CLAMPS.

- C. ALL EQUIPMENT CASES, MOTOR FRAMES, ETC., SHALL BE COMPLETELY GROUNDED TO SATISFY THE REQUIREMENTS OF THE ELECTRICAL SAFETY ORDERS.

PART 3: EXECUTION

3-01 WORK ASSOCIATED WITH OTHER CONTRACTORS:

- A. IN PREPARING THE ELECTRICAL BID, THE ELECTRICAL CONTRACTOR SHALL STUDY THE MECHANICAL PLANS AND SPECIFICATIONS IN PARTICULAR AND THE PLANS FOR THE WHOLE CONTRACT IN GENERAL IN ORDER TO DETERMINE THE SCOPE OF THE ELECTRICAL WORK INVOLVED IN CONNECTION WITH THE OTHER TRADES CONCERNED WITH THE CONTRACT. THE BID OF THE ELECTRICAL CONTRACTOR SHALL TAKE INTO ACCOUNT ALL THE ELECTRICAL WORK ASSOCIATED WITH THE GENERAL CONTRACT AND NO EXTRA WILL BE SUBSEQUENT ALLOWED FOR THE FAILURE OF THE ELECTRICAL CONTRACTOR TO ANTICIPATE THESE REQUIREMENTS.

- B. ALL ELECTRICAL LINE AND LOW VOLTAGE CONDUIT WIRING BY ELECTRICAL CONTRACTOR. ALL LINE VOLTAGE WIRING EXTERNAL OF CONTROL EQUIPMENT SHALL BE INSTALLED UNDER ELECTRICAL WORK. DISCONNECT SWITCHES SHALL BE PROVIDED AT ALL MOTOR LOCATIONS NOT IN SIGHT OF PANELBOARD TO DISCONNECTS OR OVER 50 FEET AWAY FROM SAME.

- C. THE ELECTRICAL WORK DONE IN CONJUNCTION WITH THE MECHANICAL AND OTHER TRADES SHALL BE DONE IN ACCORDANCE WITH DIAGRAMS AND INSTRUCTIONS OF THE EQUIPMENT MANUFACTURERS, WHICH SHALL BE FURNISHED, TO ELECTRICAL CONTRACTOR BY THE OTHER TRADE INVOLVED. ELECTRICAL CONTRACTOR IS NOT EXPECTED TO INTERPRET SUCH DIAGRAMS BUT SHALL REFER ANY DISCREPANCIES TO THE MECHANICAL CONTROL INVOLVED FOR INTERPRETATION.

- D. THE ELECTRICAL CONTRACTOR SHALL FURNISH DISCONNECT SWITCHES FOR MOTORS WHERE REQUIRED BY APPLICABLE CODE IF THEY ARE NOT FURNISHED BY OTHERS.

- E. THERMAL OVERLOAD SWITCHES (G.E.-CR. 1061 OR EQUAL) SHALL BE FURNISHED FOR ALL FRACTIONAL HORSEPOWER MOTORS WHERE SUCH PROTECTION IS NOT INCLUDED AS PART OF ANOTHER CONTRACT.

- F. ALL MOTOR AND CONTROL LOCATIONS SHOWN ON THE PLANS AND APPROXIMATE ONLY AND THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS WHICH THE MECHANICAL CONTRACTOR IS CONNECTED WITH.

- G. ALL WIRE SHALL BE #12 AWG IN CONDUIT UNLESS OTHERWISE NOTED

3-02 EXCAVATING AND BACKFILL:

- A. THE ELECTRICAL CONTRACTOR SHALL DO ALL EXCAVATING AND BACKFILLING IN CONNECTION WITH ELECTRICAL WORK. BACKFILLING SHALL BE DONE IN LAYERS OF APPROXIMATE 12-INCH WATER TAMPED FOR EACH LAYER. ALL DISTURBED

- SURFACES SHALL BE RESTORED TO CONDITION, PROPERLY TAMPED TO ELIMINATE ANY SETTLEMENT. SEE SECTION 02223 BACKFILLING.

3-03 DRAWING OF RECORD:

- A. ARCHITECT WILL FURNISH THE ELECTRICAL CONTRACTOR, AT COST, WITH REPRODUCIBLE TRACINGS OF ELECTRICAL DRAWINGS INCLUDED IN THIS CONTRACT. THE ELECTRICAL CONTRACTOR SHALL LEGIBLY INDICATE EXACTLY THEREON, THE LOCATIONS OF ELECTRICAL FIXTURES, CONDUIT RUNS, NUMBER AND SIZE BOXES OUTLETS, ETC., INSTALLED BY HIM OR HER.

- B. THESE DRAWINGS SHALL ALSO SERVE AS WORK PROGRESS SHEETS AND THE CONTRACTOR SHALL MAKE NEAT AND LEGIBLE NOTATIONS THEREON DAILY AS THE WORK PROCEEDS.

- C. THESE SHALL BE AVAILABLE AT ALL TIMES FOR INSPECTION AND SHALL BE KEPT AT A LOCATION DESIGNATED BY THE ARCHITECT.

- D. AT COMPLETION OF THE WORK THESE RECORD DRAWINGS SHALL BE SIGNED BY THE CONTRACTOR (WITH DATE) AND RETURNED TO THE OFFICE OF THE ARCHITECT.

3-04 IDENTIFICATION OF SWITCHES AND APPARATUS:

- A. ALL PANELBOARD CIRCUITS, EXTERNALLY OPERATED SWITCHES AND APPARATUS USED FOR THE OPERATION OF OR CONTROL OF CIRCUITS, APPLIANCES OR EQUIPMENT SHALL BE PROPERLY IDENTIFIED WITH BAKELITE NAMEPLATES 1" X 3". ALL SUCH NAMEPLATES SHALL BE SUBMITTED TO THE ARCHITECT BEFORE BEING SECURED ON THE APPARATUS. CARD HOLDERS IN ANY FORM ARE NOT ACCEPTABLE.

3-05 CLEANING AND LABELING:

- A. THIS CONTRACTOR SHALL THOROUGHLY CLEAN ALL RECEPTACLES, PANELBOARDS AND OTHER PARTS OF THE WORK, DELIVERING THE SAME IN PERFECT CONDITION. ALL CIRCUIT BREAKERS, SWITCHES, CIRCUITS AND PANELBOARDS LABELED WITH STENCIL OR OTHER APPROVED METHOD INDICATING THEIR EXACT FUNCTION.

3-06 COMPLETING WORK:

- A. AT COMPLETION OF HIS WORK, THIS CONTRACTOR SHALL REMOVE ALL WASTE MATERIALS AND DEVICES RESULTING FROM HIS WORK, LEAVING EVERYTHING IN A COMPLETE AND SATISFACTORY CONDITION. HE SHALL DELIVER ALL KEYS TO THE OWNER'S REPRESENTATIVE. UP-TO-DATE RECORD DRAWINGS SHALL BE KEPT BY THIS CONTRACTOR AND DELIVERED TO THE OWNER ON REPRODUCIBLE SEPIAS AT THE END OF THE CONTRACT.

3-07 GUARANTEES:

- A. AS A CONDITION PRECEDENT TO THE ISSUANCE OF THE FINAL CERTIFICATE OF A COMPLETE PAYMENT, DELIVER TO THE ARCHITECT SPECIAL WRITTEN GUARANTEE IN EFFECT THAT SHOULD IT DEVELOP DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP ANY SUCH FAILURE SHALL IMMEDIATELY BE MADE GOOD BY THIS CONTRACTOR AT HIS OWN EXPENSE.

END OF SECTION

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ELECTRICAL SPECIFICATION

PIONEER ELEMENTARY
1 RELOCATABLE CLASSROOM
BAKERSFIELD CITY SCHOOL DISTRICT
4404 PIONEER DR., BAKERSFIELD, CA

Issue Date:	00/00/17
Date:	00/00/17
Designer:	J CHONG
DR:	J CHONG
EC:	

Agency Approval Stamp:

FILE # : -
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-118271
AC FLS JCS
DATE Nov 14 2018
TRACKING #: DSA TRACKING NO.

Stamp(s):

Job No.: 5289

Sheet No.: E-5

CONSULTING ENGINEERS
JOHN CHONG ENGINEERING
1849 N HELM AVE #103 FRESNO CA 93727
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jchenginer@coo1.com



STOCKPILE # 33

MODEL PC 266

(34) - 24'X40' RELOCATABLE BUILDINGS FOR

CLASS LEASING INC.

SYMBOLS		
TYPE	SYMBOL	DESCRIPTION
DETAIL		DETAIL ON SAME SHEET AS SYMBOL
DETAIL		DETAIL NUMBER (1) ON SHEET NUMBER (2)
NOTE		NOTE NO. 1. ON SAME SHEET AS SYMBOL.
NOTE		NOTE NO. 4 ON SHEET NUMBER (5)
MALL PANEL		MALL PANEL TYPE 'A' ON SHEET (1).
SECTION		SECTION 'A' ON SHEET (2)
REV.		REVISION CHANGE IN DIMS. NO. (1), FIRST REVISION
REV.		HIGHLIGHTS CHANGED AREA
REF		DOOR
REF		WINDOW
REF		SEE STRUC. DWGS.
REF		SEE MECH. DWG.
REF		SEE ELEC. DWG.

STOCKPILE 33		A- 67333	FILE 33-0	CLASS LEASING INC
SERIAL NUMBER	LIST	SIZE	SERIAL NOS	
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			25672-73	
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			25676-77	
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Count: 34

NOTE: SPECIFICATIONS SUBJECT TO CHANGE DUE TO OSA REQUIREMENTS AND OR PRODUCT IMPROVEMENTS.

MACHINE APPLIED NAILING

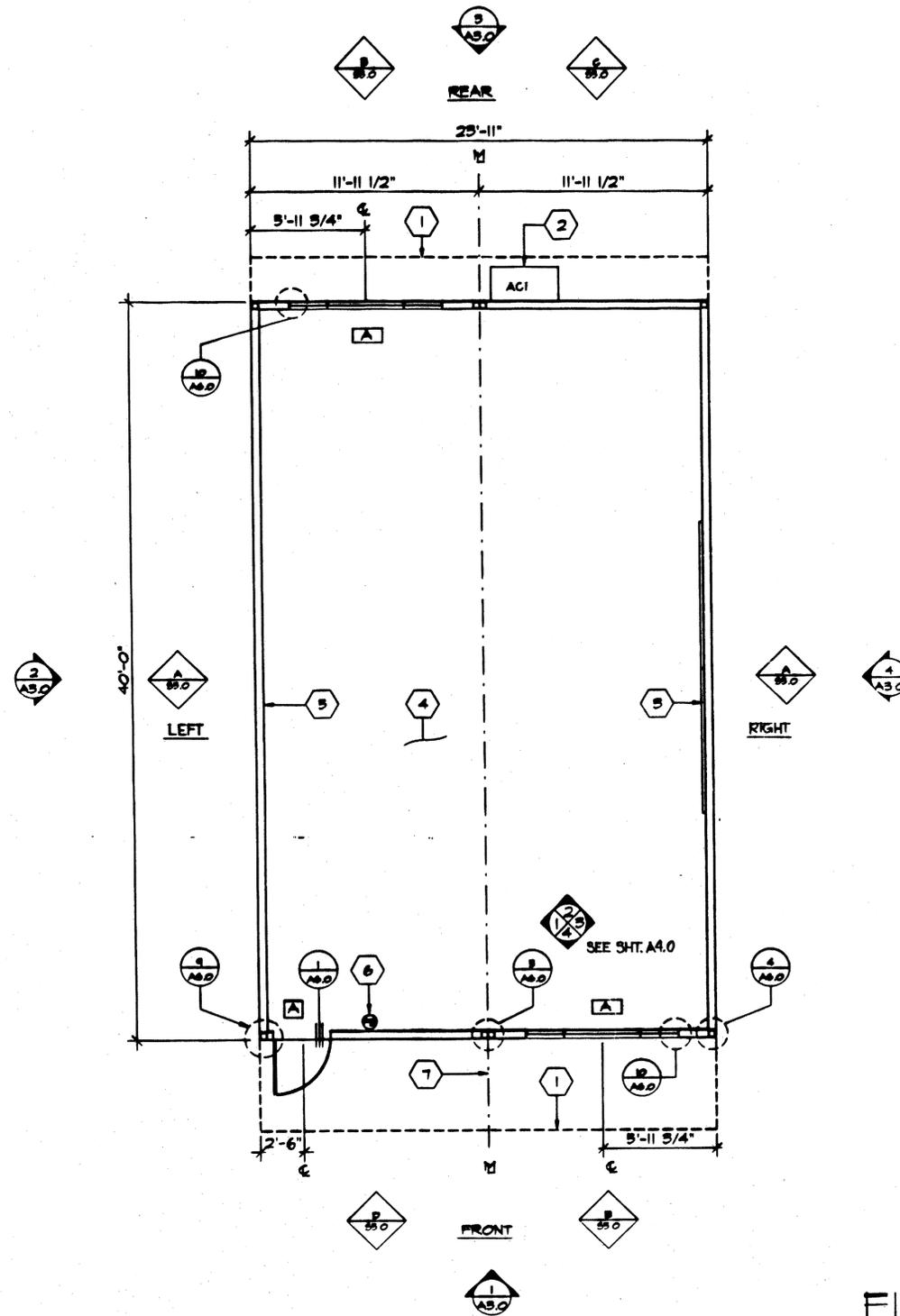
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE OFFICE OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

-MACHINE APPLIED 16 d 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.

AS ALTERNATE FOR ALL SHOT PIN ATTACHMENTS, USE #10 S.T.S.M.S. AT THE SAME SPACING.

SHEET INDEX SITE SET-UP	
ARCHITECTURAL	A.0 - COVER SHEET
	A1.0 - FLOOR PLAN
	A2.0 - ROOF PLAN
	A3.0 - ROOF PLAN DETAILS
	A4.0 - EXTERIOR ELEVATIONS (MONO SLOPE)
	A4.0 - EXTERIOR ELEVATIONS (MONO SLOPE)
	A4.0 - INTERIOR ELEVATIONS
	A4.0 - FINISH SCHEDULE
	A4.0 - ARCHITECTURAL DETAILS
	A4.1 - ARCHITECTURAL DETAILS
	A4.2 - ARCHITECTURAL DETAILS
	A4.3 - ARCHITECTURAL DETAILS
	A7.0 - REFLECTED CEILING PLAN
	A7.1 - REFLECTED CEILING PLAN DETAILS
STRUCTURAL	F1.0 - FOUNDATION PLAN & DETAILS (PC# 04-111441)
	F2.0 - FOUNDATION PLAN & DETAILS (PC# 04-111441)
	F3.0 - FOUNDATION PLAN
	F4.0 - FOUNDATION PLAN
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	F20.0 - FOUNDATION PLAN
	S1.0 - STRUCTURAL ELEVATIONS AND DETAILS (MONO)
S1.1 - WALL FRAMING	
S1.2 - WALL FRAMING DETAILS	
S1.3 - WALL FRAMING DETAILS	
S1.4 - WALL FRAMING DETAILS	
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S1.69 - WALL FRAMING DETAILS	
S1.70 - WALL FRAMING DETAILS	
S1.71 - WALL FRAMING DETAILS	
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S1.82 - WALL FRAMING DETAILS	
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S1.108 - WALL FRAMING DETAILS	
S1.109 - WALL FRAMING DETAILS	
S1.110 - WALL FRAMING DETAILS	
S1.111 - WALL FRAMING DETAILS	
S1.112 - WALL FRAMING DETAILS	
S1.113 - WALL FRAMING DETAILS	
S1.114 - WALL FRAMING DETAILS	
S1.115 - WALL FRAMING DETAILS	
S1.116 - WALL FRAMING DETAILS	
S1.117 - WALL FRAMING DETAILS	
S1.118 - WALL FRAMING DETAILS	
S1.119 - WALL FRAMING DETAILS	
S1.120 - WALL FRAMING DETAILS	
S1.121 - WALL FRAMING DETAILS	
S1.122 - WALL FRAMING DETAILS	
S1.123 - WALL FR	



FILE # 15-6
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 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC. FLS. SS. *al*
 DATE NOV 14 2018
 TRACKING # 63321-294

- ### KEY NOTES
- 1 ROOF OVERHANGS
 - 2 HVAC UNIT [HV]
 - 3 2- 8'X4' MARKER BOARDS (SEE SPECS. FOR TYPE)
 - 4 FINISH FLOORING (SEE FINISH SCHED.) A3.0
 - 5 TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE) A3.0
 - 6 FIRE EXTINGUISHER - 5 LBS. DRY CHEMICAL WITH 2A-10BC UL. RATING ON WALL MTD. BRACKET AT 48" A.F.F.
 - 7 MODLINE (M TYPICAL)

- ### GENERAL NOTES
1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOWING RSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER AND ROOF & FLOOR DESIGN LIVE 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 SEC. 707.2. 2. WHEN MATERIALS ARE INSTALLED IN CONCEALED SPACES OF TYPES 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. 707.5 CBC)

FLOOR PLAN

SCALE 1/4"=1'-0"

CLLS.033 4012-074

REVISIONS

ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

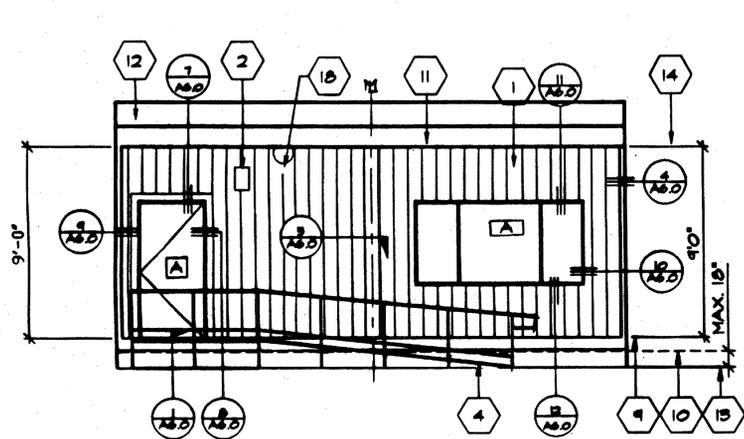
MODTECH INC.
 2850 BARRETT AVE.
 FERRIS, CA. 92512
 PH. (909) 943-4014
 FX. (909) 940-0421

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JOB NO. # 2510 # 2515 # 2514

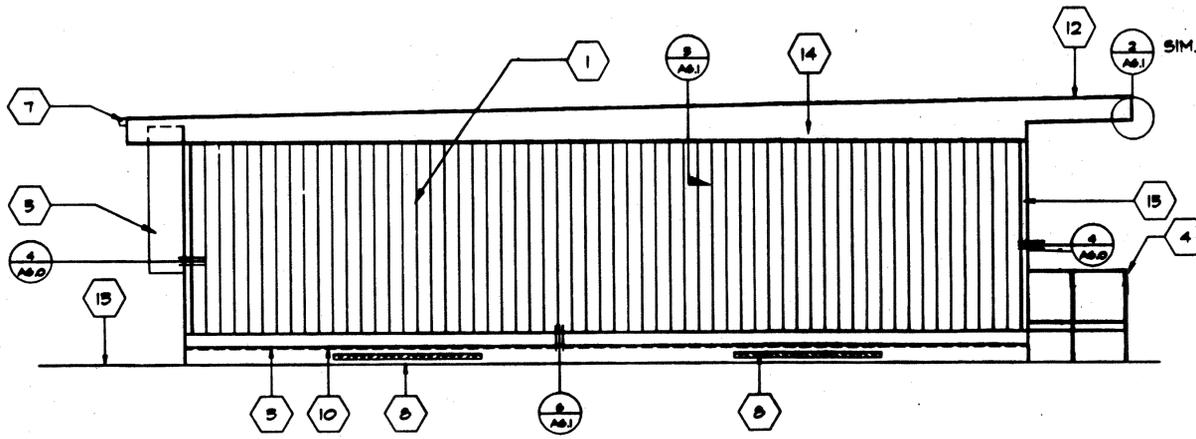
DRAWN BY RN
 DATE 2/1/96
 CHECKED BY
 DATE

FLOOR PLAN A1.0



① FRONT ELEVATION

SCALE 1/4"=1'-0"



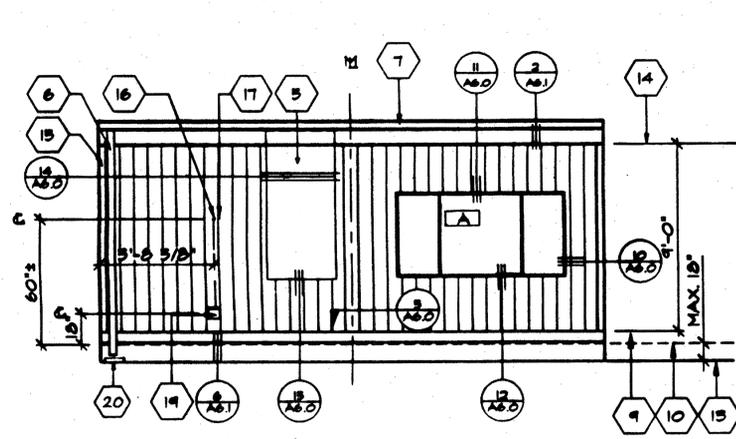
② SIDE ELEVATION (LEFT)

SCALE 1/4"=1'-0"

KEY NOTES

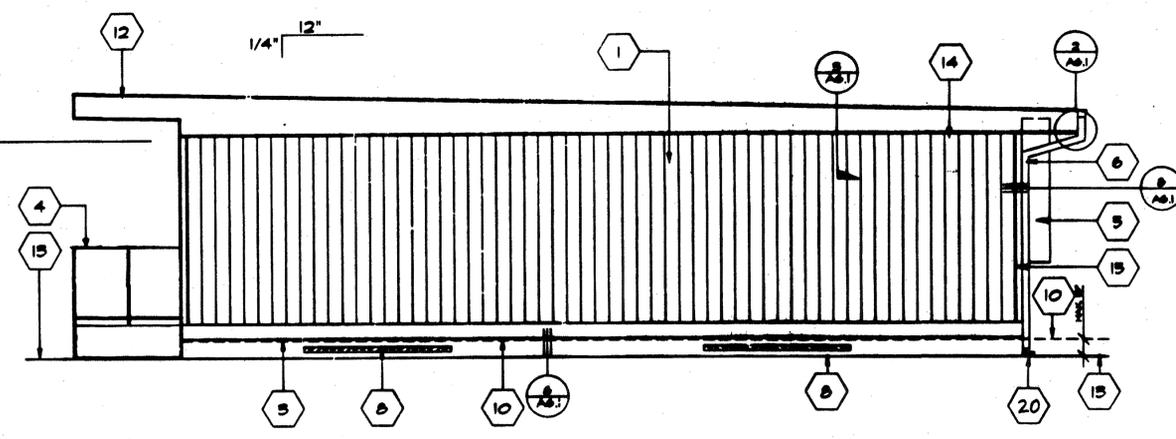
- ① TYPICAL EXTERIOR SIDING (SEE SPEC'S)
- ② EXTERIOR LIGHT FIXTURE OVER DOOR (SEE SPECIFICATIONS)
- ③ TOP OF SKIRTING
- ④ RAMP AND LANDING SEE SH. R-1
- ⑤ HVAC UNIT [HV]
- ⑥ DOWNSPOUT (TYP.) ONE FASTEN TO BLDG. TYP. 2 PLACES (SEE D/A6.1)
- ⑦ CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOW ON ROOF PLAN A2.0) SEE 9/A6.1
- ⑧ VENT-SEE FOUNDATION DETAILS 5/FA11
- ⑨ FINISH FLOOR LINE
- ⑩ BOTTOM FLANS OF FLOOR BEAM
- ⑪ ROOF HEADER
- ⑫ ROOF OVERHANG
- ⑬ FINISH GRADE
- ⑭ ROOF BEAM [ST]
- ⑮ COLUMN [ST]
- ⑯ ELECTRICAL STUB-OUT 1/2" (TYPICAL)
- ⑰ GROUND STUB-OUT 3/4" (TYPICAL)
- ⑱ FIRE ALARM HORN. [EL]
- ⑲ NEMA 6"x6" GUTTER BOX. [EL]
- ⑳ SPLASH BLOCK (BY OTHERS)

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③ REAR ELEVATION

SCALE 1/4"=1'-0"



④ SIDE ELEVATION (RIGHT)

SCALE 1/4"=1'-0"

(MONO SLOPE)
 SCALE 1/4"=1'-0"

C.LLS. 033 4012-074

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JOB NO # 2510 #2514 #2515

DATE 2/7/96

CHECKED BY

DATE

EXTERIOR ELEVATIONS

A3.0

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:

- 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
- 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.
- 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 2005 NDS. Bolt holes shall be 1/32 to 1/16 inch larger than bolt diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.
- 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
- 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.
- 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.
- Wood members shall be cut or notched only as shown on structural drawings.
- When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.
- 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 11.1 in NDS. (See nail equivalence below.)

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)
- 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)
- 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 WB 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.
- Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.
- 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.
- Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.
- Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.
- Shim material shall be plywood CD EXP 1 or equal (not pressure treated).
- 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 than 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:

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

1.01 GENERAL REQUIREMENTS:

- 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.
- 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:

- 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.
- 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:
 - General responsible charge of Field Administration by the Architect of Record.
 - 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.
 - 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.
 - 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:

- All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
- All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.
- Fire alarm system, program bell, 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:

- 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.
- Assembly of Elements:**
 - In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.
 - The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping.
 - 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:

- Scope of Work:** Contractor shall provide all labor, materials and services to install carpentry.
- Workmanship:**
 - FRAMING:** securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.
 - NAILING:** in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
 - 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.
 - 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 2007 CBC

- 2007 CALIFORNIA CODE OF REGULATIONS (CCR)**
- 2007 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
 - 2007 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR) (2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 WITH 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR) (2005 NATIONAL ELECTRICAL CODE WITH 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR) (2005 UNIFORM MECHANICAL CODE WITH 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR) (2005 UNIFORM PLUMBING CODE WITH 2007 CALIFORNIA AMENDMENTS)
 - 2007 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
 - 2007 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
 - 2004 ASME A17.1 SAFETY CODE FOR ESCALATORS AND ELEVATORS
 - 2007 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR) (2006 INTERNATIONAL FIRE CODE WITH 2007 CALIFORNIA AMENDMENTS)
- TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 x 20 PSF PARTITIONS, 100 PSF ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
 WIND SPEED = 85 MPH (V) (SECOND GUST), Kz = 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:	SEISMIC DESIGN DATA:	SHEAR WALL PC'S:
Basic Seismic Force-Resisting System = STEEL MOMENT FRAME	= EQUIVALENT LATERAL FORCE	Basic Seismic Force-Resisting System = WOOD PANEL SHEAR WALLS	= EQUIVALENT LATERAL FORCE
ANALYSIS PROCEDURE USED = E (per CBC Section 1613A.5.6)		ANALYSIS PROCEDURE USED = E (per CBC Section 1613A.5.6)	
Seismic Design Category = 4		Seismic Design Category = 4	
Design Base Shear: 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)		Design Base Shear: 24x40 BUILDING = 9404 # (Roof, Floor, Walls & Partitions)	
36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)		36x40 BUILDING = 14110 # (Roof, Floor, Walls & Partitions)	
48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)		48x40 BUILDING = 18810 # (Roof, Floor, Walls & Partitions)	

S₁ = 1.0 C_r = 0.206 R_s = 3.5 S_i = 1.3 SITE CLASS = D
 S₂ = 2.0 per CBC Figure 1613A.5.1, REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
 S₀ = 1.0 S₁ = 1.3 per CBC Figure 1613A.5.2 S_i = 1.3
 S₁ = 1.0 C_r = 0.154 R_s = 6.5 SITE CLASS = D
 S₂ = 2.0 per CBC Figure 1613A.5.1, REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
 S₀ = 1.0 S₁ = 1.3 per CBC Figure 1613A.5.2 S_i = 1.3

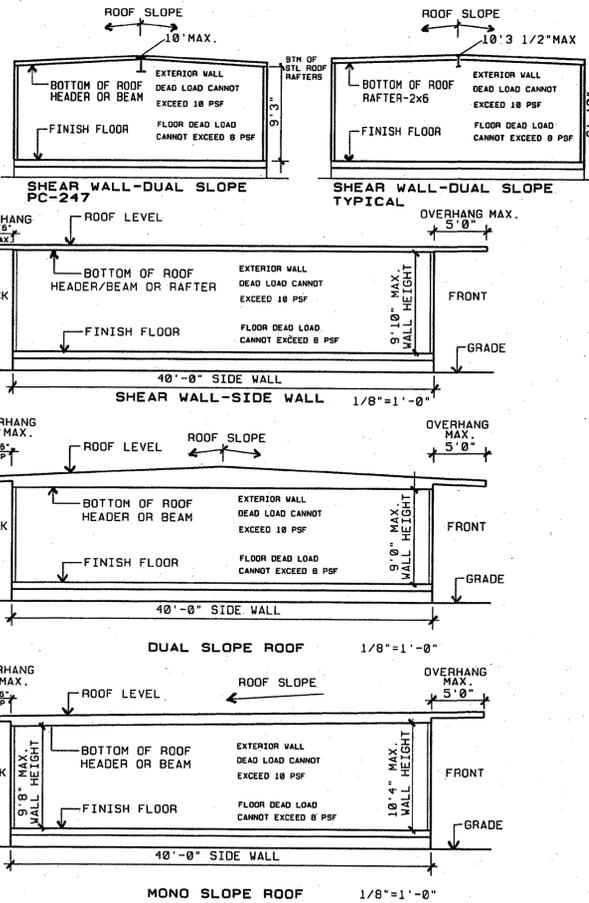
FLOOD DESIGN DATA: Project is not located in a flood zone

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:

- DSA APPROVED STOCKPILE BUILDINGS
- ROOF OVERHANGS OF 5'-0" MAXIMUM
- 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
- WALL DEAD LOAD OF 10 PSF (NO STUCCO)
- FLOOR DEAD LOAD OF 8 PSF



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# 04-1

F1.0 COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX
F2.0 24 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F3.0 36 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F6.0 36 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F2.1 36 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F0.2 36 x 40 - 100 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F4.0 48 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F4.1 48 x 40 - 50 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
F4.2 48 x 40 - 100 PSF FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD

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

BUILDING NO.	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 02	52572	PC 79	11/08/91	24x40	50#	MODTECH
STKP 01	52575	PC 79	11/08/91	24x40	50#	MODTECH
STKP 04	52576	PC 79	11/08/91	24x40	50#	MODTECH
STKP 05	52577	PC 79	11/08/91	24x40	50#	MODTECH
STKP 06	52578	PC 79	11/08/91	24x40	50#	MODTECH
STKP 07	52579	PC 79	11/08/91	24x40	50#	MODTECH
STKP 08	52580	PC 79	11/08/91	24x40	50#	MODTECH
STKP 09	52581	PC 79	11/08/91	24x40	50#	MODTECH
STKP 10	52582	PC 79	11/08/91	24x40	50#	MODTECH
STKP 11	52583	PC 79	11/08/91	24x40	50#	MODTECH

BUILDING DATA- 24x40 RIGID FRAME

BUILDING NO.	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 14	52492	MRF	03/14/94	24x40	50#	MODTECH
STKP 20	55084	PC 79	08/18/98	24x40	50#	MODTECH
STKP 04	55088	PC 79	08/18/98	24x40	50#	MODTECH
STKP 20	55047	PC 79	11/03/99	24x40	50#	MODTECH
STKP 04	57154	PC 79	11/03/99	24x40	50#	MODTECH
STKP 11	57070	PC 79	08/18/98	24x40	50#	MODTECH
STKP 10	56280	PC 246	03/11/87	24x40	50#	MODTECH
STKP 19	55521	PC 242	03/11/87	24x40	50#	MODTECH
STKP 07	55408	PC 268	07/01/83	24x40	50#	MODTECH
STKP 01	58610	PC 268	11/12/83	24x40	50#	MODTECH
STKP 33	67333	PC 266	03/11/87	24x40	50#	MODTECH
STKP 06	04-100447	PC 268	04/18/02	24x40	50#	MODTECH
STKP 08	04-100598	PC 276	08/18/88	24x40	50#	MODTECH
STKP 07	04-100599	PC 286	08/18/88	24x40	50#	MODTECH
STKP 10	04-100890	PC 286	08/18/88	24x40	50#	MODTECH
STKP 16	04-100890	PC 286	08/18/88	24x40	50#	MODTECH
STKP 18	04-100990	PC 286	04/07/86	24x40	50#	MODTECH
STKP 14	04-104446	PC 276	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
STKP 04	04-104928	PC 286	08/08/88	24x40	50#	MODTECH
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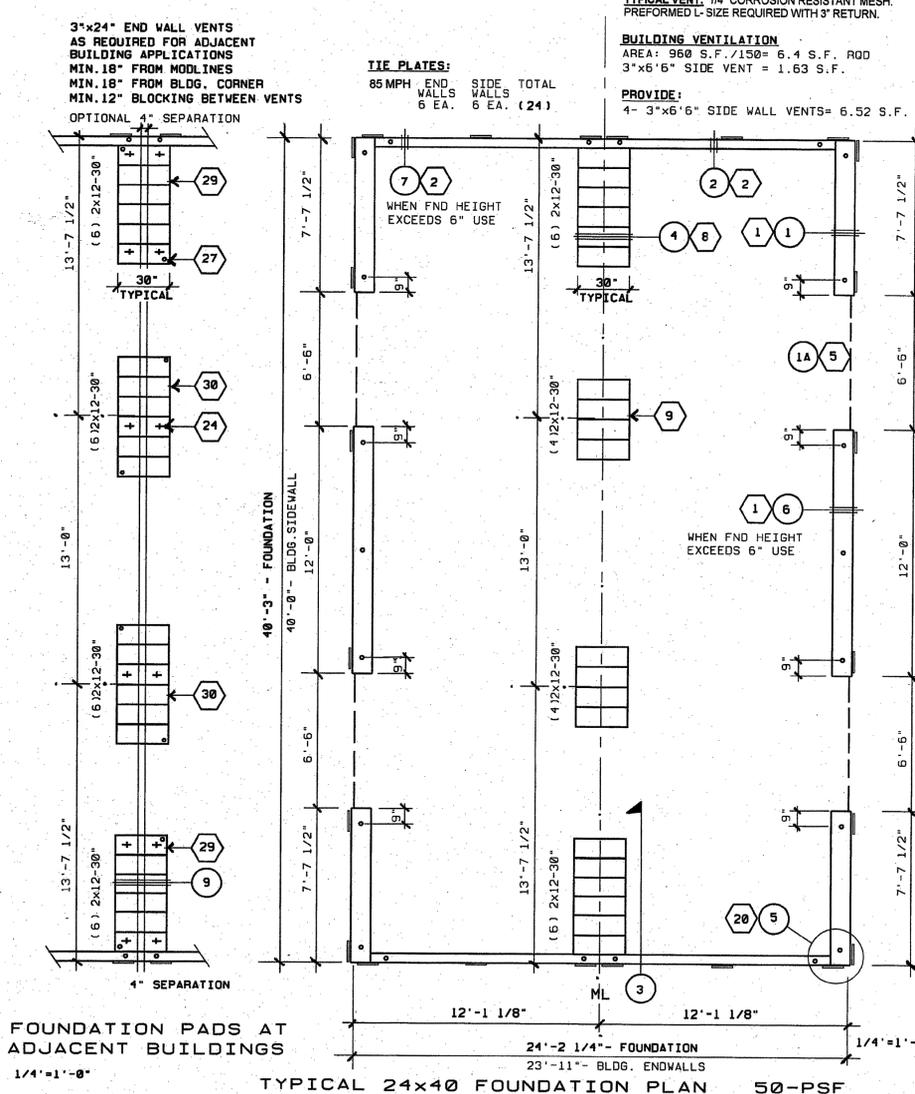
BUILDING DATA- 36x40 RIGID FRAME

BUILDING NO.	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 10	52478	MRF	12/18/91	36x40	50#	MODTECH
STKP 32	57484	PC 79	11/08/91	36x40	70#	MODTECH
STKP 27	58319	PC 286	11/12/88	36x40	50#	MODTECH
STKP 34	67332	PC 286	03/11/87	36x40	50#	MODTECH
STKP 45	04-101818	PC 101268	10/07/99	36x40	50#	MODTECH
STKP 57	04-103001	PC 101268	08/01/01	36x40	50#	MODTECH
STKP 65	04-104441	PC 101268	07/11/02	36x40	50#	MODTECH
STKP 71	04-106419	PC 104901	07/29/04	36x40	50#	MODTECH
STKP 73	04-108585	PC 101268	03/01/07	36x40	50#	MODTECH
STKP 74	04-108808	PC 107557	06/07/07	36x40	50#	SILVERCREEK
STKP 81	04-110319	PC 109598	04/09/09	36x40	50#	MODTECH
STKP 88	04-111101	PC 79	06/03/10	36x40	50#	MODTECH

BUILDING DATA- 48x40 RIGID FRAME

BUILDING NO.	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP SW	57194	PC 79	11/08/91	48x40	70#	MODTECH
STKP SW	83288	PC 243	11/08/91	48x40	70#	MODTECH
STKP 17	83289	PC 243	11/08/91	48x40	50#	MODTECH
STKP 41	04-100797	PC 268				

DATE PLOT: 10/18/2010 10:41 AM

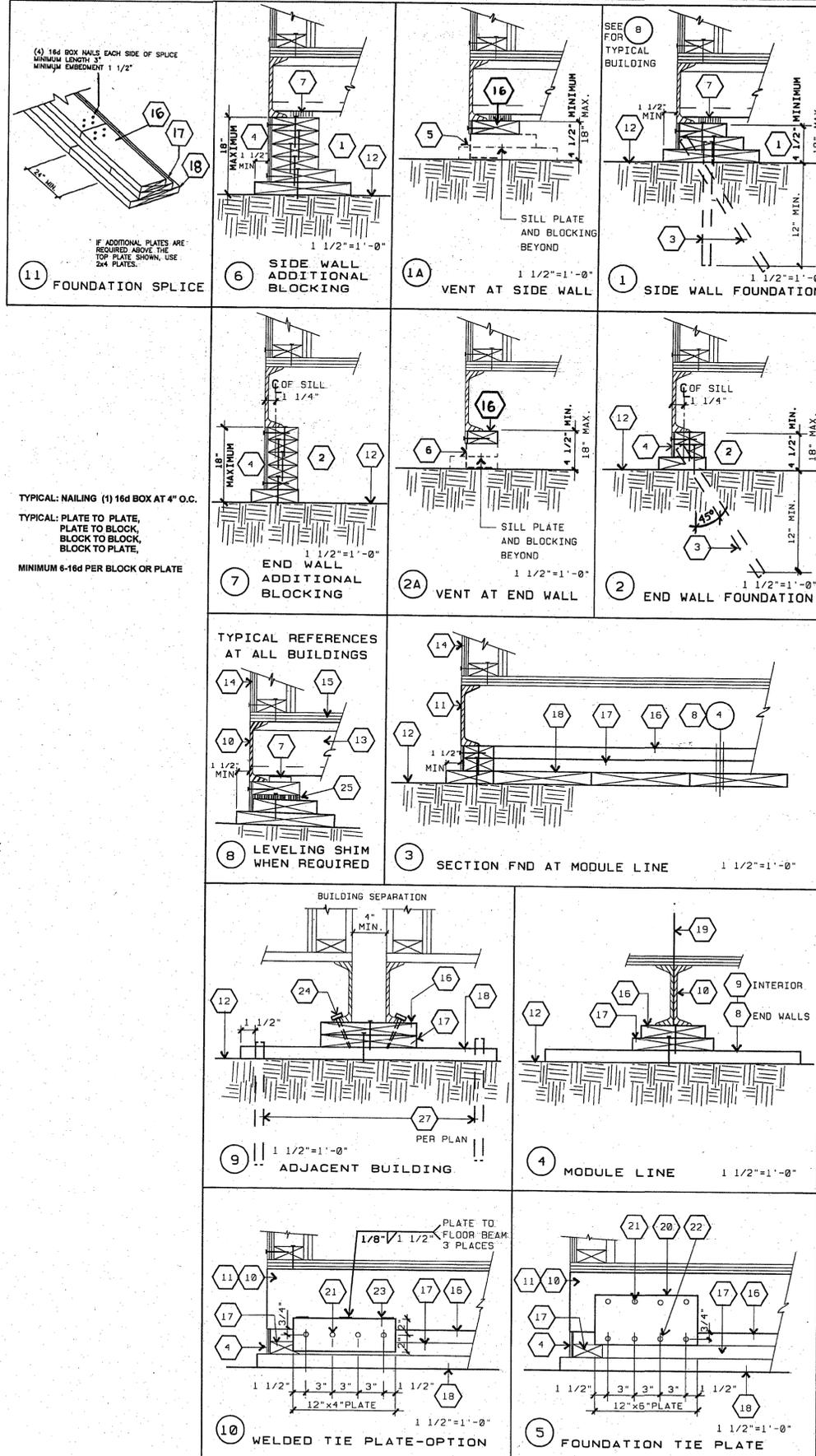


FOUNDATION PADS AT ADJACENT BUILDINGS
 1/4"=1'-0"
 TYPICAL 24x40 FOUNDATION PLAN 50-PSF

BUILDING VENTILATION
 AREA: 960 S.F./150= 6.4 S.F. ROD
 3"x6"x6" SIDE VENT = 1.63 S.F.
PROVIDE:
 4- 3"x6"x6" SIDE WALL VENTS= 6.52 S.F.

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

TIE PLATES:
 85 MPH END WALLS 6 EA.
 SIDE WALLS 6 EA.
 TOTAL 12 EA. (24)



TYPICAL: NAILING (1) 16d BOX AT 4" O.C.
 TYPICAL: PLATE TO PLATE, BLOCK TO BLOCK, BLOCK TO PLATE, MINIMUM 6-16d PER BLOCK OR PLATE

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 (SKIRTING) 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: 2007 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

DATE SIGNED: FEB 09 2011
 DATE: FEB 1.0 2011

FILE # 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC FLS SS CL
 DATE: NOV 14 2010
 TRACKING #: 63321-294

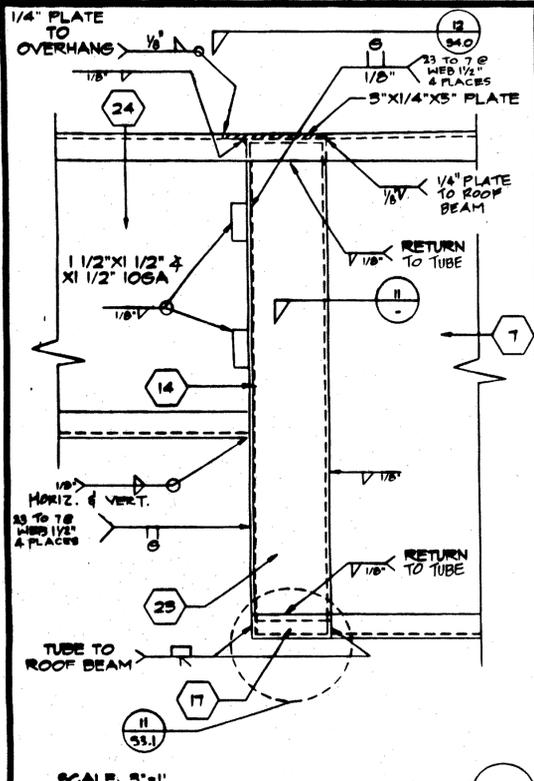
REVISIONS	BY

CLASS LEASING, INC.
 STOCKPILE CLASSROOM
 24x40 - 50 PSF RELOCATION
 FOUNDATION PLAN & DETAILS
 PC 04-11441

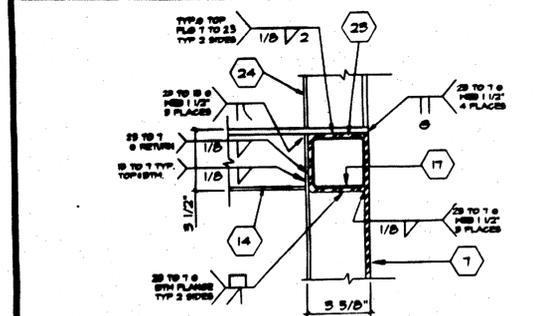
CLASS LEASING, INC.
 P. O. Box 51150 Riverside, CA 92517-2150
 1221 Harley Knox Blvd. Perris, CA 92571-7408
 VOICE (951) 943-1908 FAX (951) 943-5768

DATE: 10/18/2010
 SCALE:
 DRAWN: LAM-CLLS
 JOB: 24x40 50 PSF
 SHEET: **F2.0**

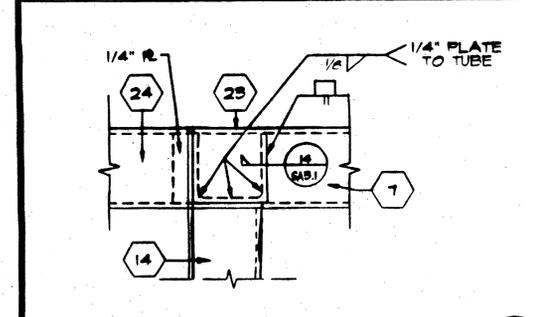
24x40 - 50 PSF STOCKPILE CLASSROOM
 RELOCATION FOUNDATION PLAN & DETAILS



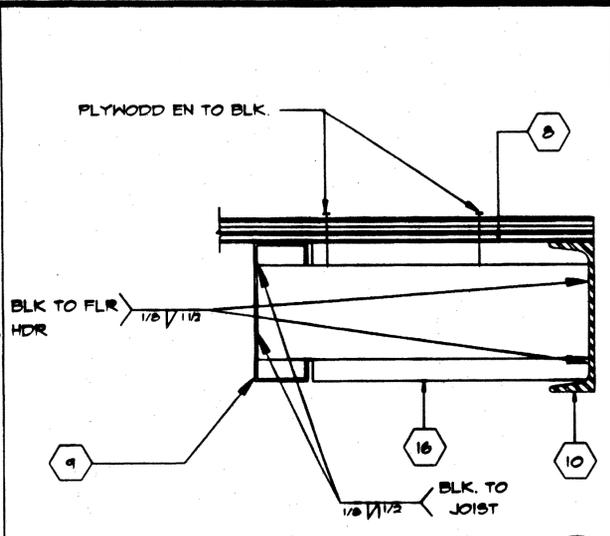
SCALE: 5"=1'
10 ROOF HEADER @ FRONT OVERHANG



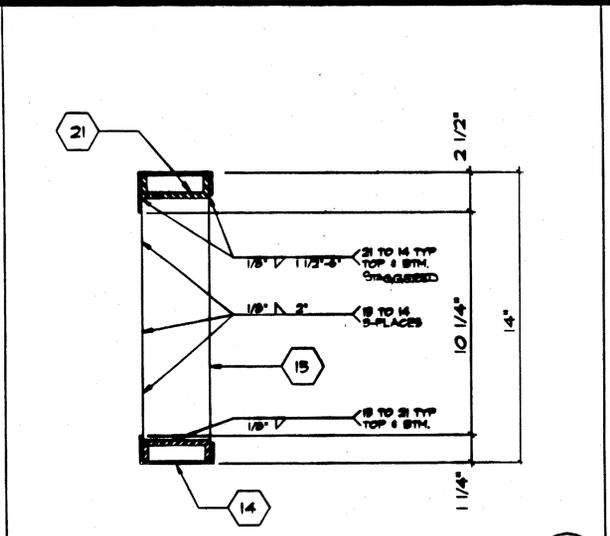
SCALE: NTS
11 STIFFENER SECTION @ FRONT



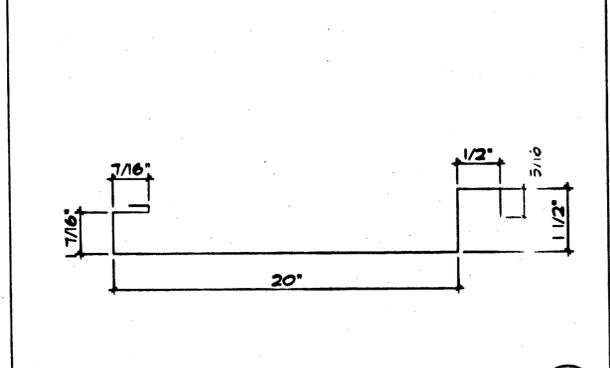
SCALE: 5"=1'
12 COLUMN CAP PLATE



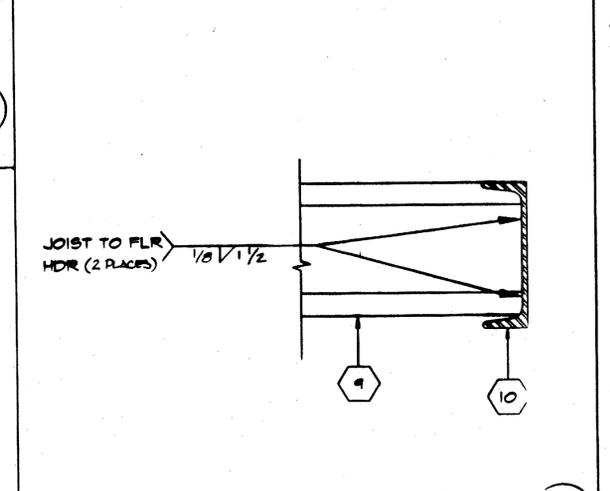
SCALE: 5"=1'
7 BLOCK @ MIDSPAN



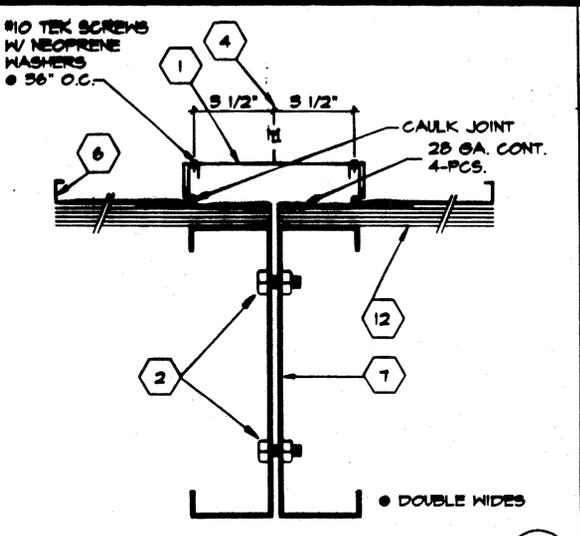
SCALE: 5"=1'
4 MECH. DUCT OPENING IN HEADER



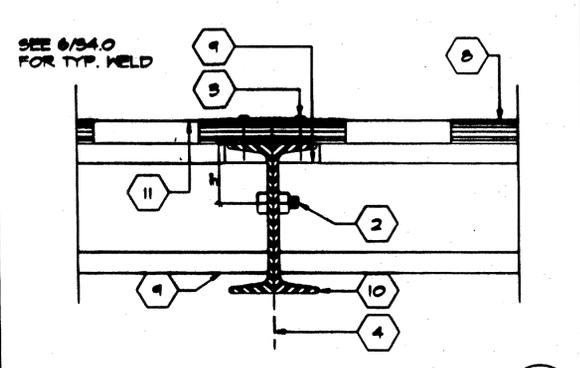
SCALE: NTS
5 ROOF PAN (26GA.)



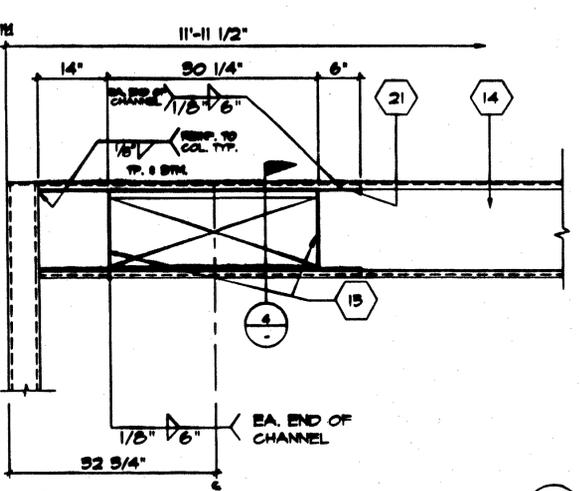
SCALE: 5"=1'
9 FLOOR FRAME/JOIST TO BEAM



SCALE: 5"=1'
1 ROOFING @ MODLINE



SCALE: 5"=1'
2 MODULE JOINT @ FLR.



SCALE: 1\"/>

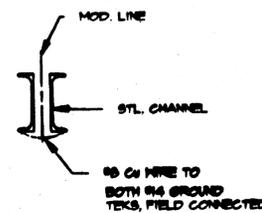
- KEY NOTES**
- 1 CAP CLOSURE @ RIDGE 28GA GALV. W/NO TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT SEE DETAIL.
 - 2 3/8" M.B. ASOT MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) @ 8' O.C.
 - 3 E.N.
 - 4 MODULE JOINT
 - 5 1/4" @ 8' O.C. FULL DEPTH STIFFENER PLATE (SEE 9/55.1)
 - 6 STANDING ROOF SEAM (SEE A2.0)
 - 7 ROOF BEAM (SEE STRUCTURAL) SEE 9/55.1 & 12/55.1
 - 8 PLYWOOD FLOOR SHEATHING
 - 9 FLOOR JOIST 6/55.1
 - 10 FLOOR BEAM (SEE STRUCTURAL 5/55.1)
 - 11 HAND HOLE @ BOLT LOCATION
 - 12 PLYWOOD ROOF SHEATHING
 - 13 NOT USED
 - 14 ROOF HEADER (SEE STRUCTURAL 1/55.1)
 - 15 1/4" STIFFENER PLATE SEE 9/55.1 FOR TYP. WELD
 - 16 "C" BLOCKING SEE 6/55.1
 - 17 IOGA. BACK-UP R.
 - 18 NOT USED
 - 19 NOT USED
 - 20 NOT USED
 - 21 3 1/4"X1"X50 1/4" LXIOGA. CHANNEL TOP & BOTTOM CENTER OF OPENING
 - 22 NOT USED
 - 23 TUBE STEEL (SEE 11/55.1) STIFFENER COPE TO FIT ROOF BEAM.
 - 24 ROOF BEAM AT OVERHANGS SEE 4/55.1

FILE # 15-6
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-118271
AC. FLS. SS. U
DATE: MAY 9 1996
TRACKING #: 63321-294

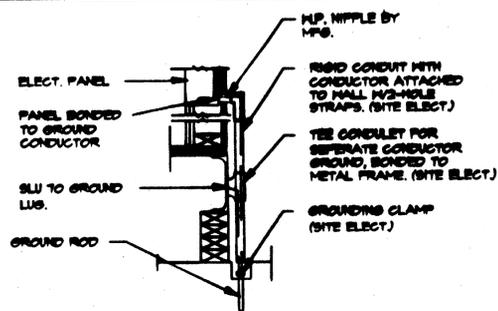
REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT

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

JOB NO: # 2510 #254 #255
 DRAWN BY: DT
 DATE: 2/2/96
 CHECKED BY: [Signature]
 DATE: [Signature]
STRUCTURAL DETAILS
S4.0

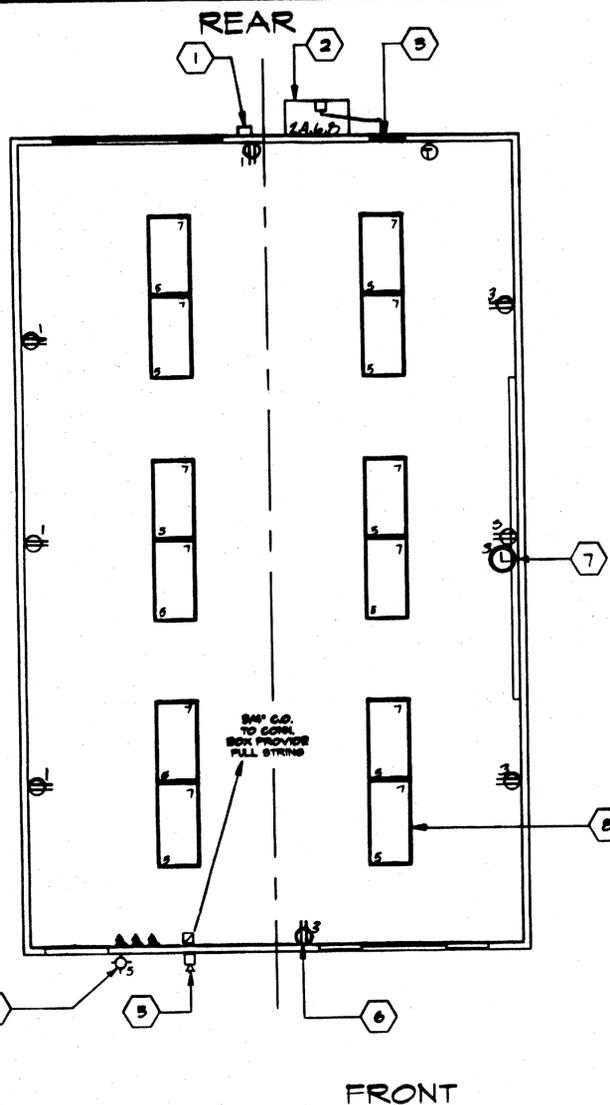


JUMPER @ MOD. LINE



TYPICAL GROUNDING DETAIL

1. EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 5/4" ROD X 3/8" COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS INDICATED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 50" 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 MAY BE REQUIRED TO BE CHANGED DUE TO SITE LOCATION, EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.
5. GROUNDING TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR, ALL GROUNDING SHALL BE IN ACCORDANCE W/C.E.C. ARTICLE 250.



LOAD	PANEL LOCATION				FEED BOTTOM MOUNTING			
	WATTS	BREAKER	AMP	PHASE	BREAKER	WATTS	LOAD	
RECEPTS.	720	20	11		2	60	4560	HVAC 4 TON
RECEPTS. & CLOCK	900	20	13		4	-	4560	HVAC 4 TON
INT. / EXT. LIGHTS	1080	20	15		6	30	3120	HVAC HEAT STRIPS
INT. LIGHTS	960	20	17		8	-	3120	HVAC HEAT STRIPS
					10			
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
WATTS/PHASE A = 9,480	1780	1860			7680	7680	B = 9,540	WATTS/PHASE
TOTAL 19,505	WATTS (61.27) 82 AMPS 120/240 VOLTS				3 WIRE			

NCL = 16,980

KEY NOTES

- 1 4/SDP WEATHER PROOF GUTTER BOX +18" (6X6X4)
- 2 HVAC UNIT (SEE SMT. M-1)
- 3 ELECTRICAL PANEL "A" TYPE-B10 12/20
- 4 EXTERIOR LIGHT FIXTURE
- 5 4s JUNCTION BOX FOR FIRE ALARM
- 6 DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE
- 7 CLOCK OUTLET (SEE SPEC'S)
- 8 2'X4' FLUORESCENT LIGHT AND FIXTURE 4-TUBE (SEE SPEC'S)

FILE # 15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC: FLS / SS: CL
 DATE: Nov 14 2008
 TRACKING #: 63321-294

LEGEND

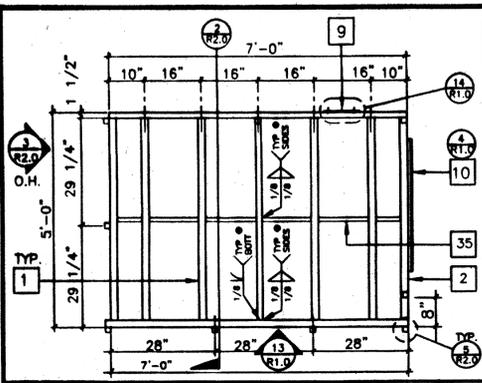
- 2' X 4' FLUORESCENT LIGHT FIXTURE WITH 4-TUBE (SEE SPEC'S)
- EXTERIOR LIGHT FIXTURE +7'-6"
- SWITCH +48"
- ELECTRICAL PANEL TYPE-B10 12/20 +5'-0"
- DUPLEX WALL RECEPTACLE 15-A 125-V 3-WIRE +18"
- THERMOSTAT +48" @ MAX.
- "J" BOX FOR FIRE ALARM EXT. HORN/BELL +8'-6"
- F/A. PULL STATION +48"
- 4/SDP EXTERIOR WEATHERPROOF GUTTER BOX (6X6X4) +18"
- CLOCK OUTLET +7'-6"
- ILLUMINATED EXIT SIGN

ELECTRICAL PLAN

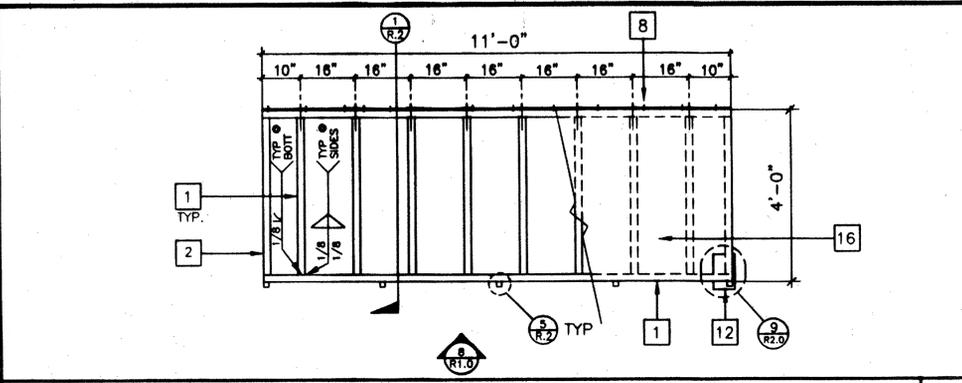
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CLASS.033 4012-074

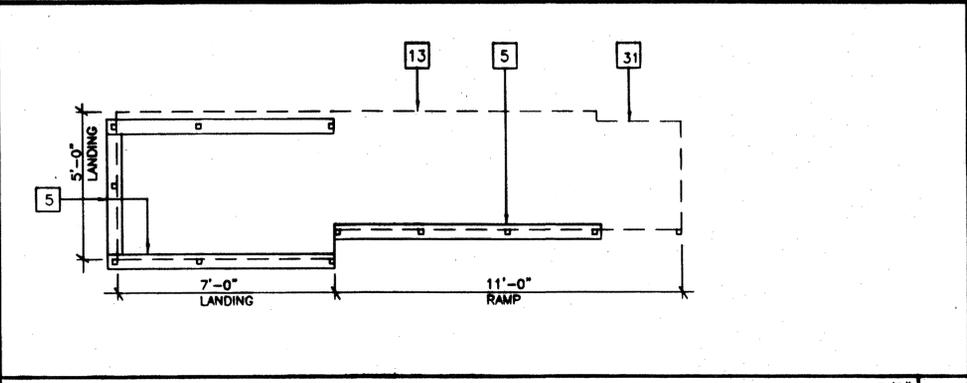
REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL	ARCHITECT	DIVISION OF THE STATE ARCHITECT		MODTECH INC. 2830 BARRETT AVE. PERRIS, CA. 92572 PH. (909) 943-4014 FX. (909) 940-0427	JOB NO # 2510 #2514 #2515 				DRAWN BY RN DATE CHECKED BY DATE 2/7/96	ELECTRICAL PLAN E1.0
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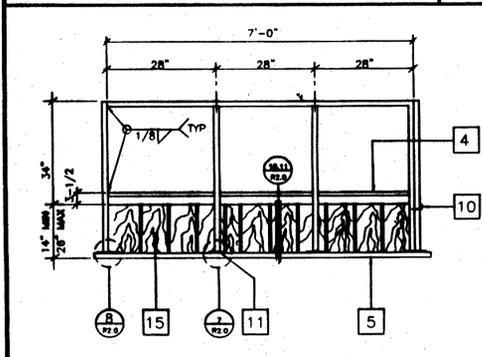
LANDING FRAME 12



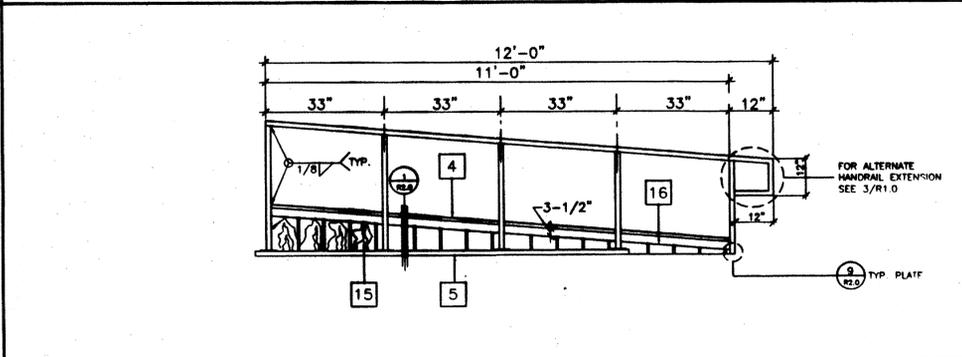
RAMP FRAME 7



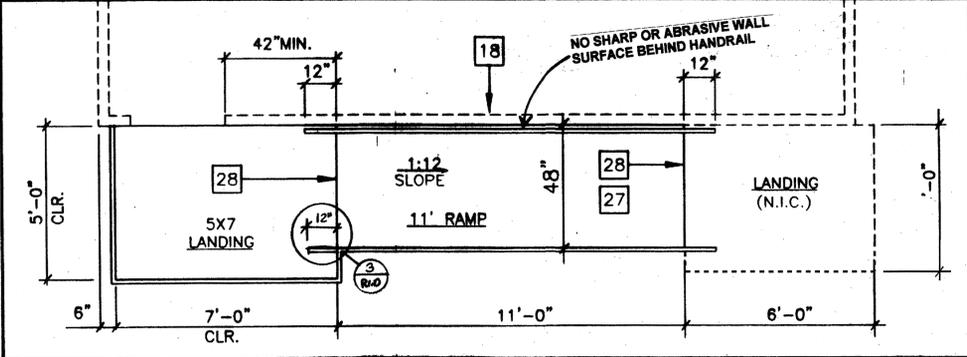
SILL PLAN FOR RAMP AND LANDING 3/8" 1



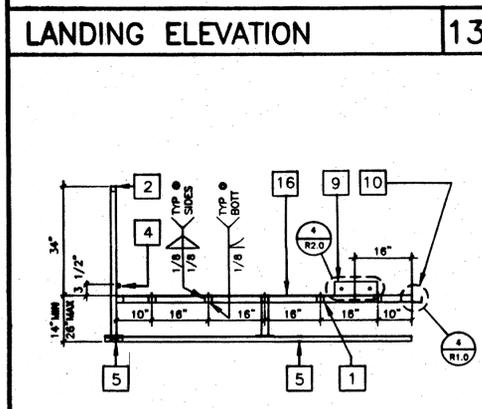
LANDING ELEVATION 13



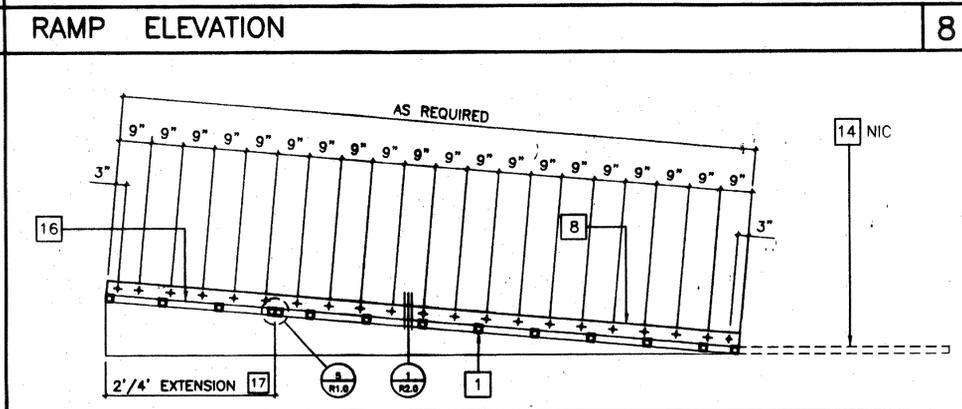
RAMP ELEVATION 8



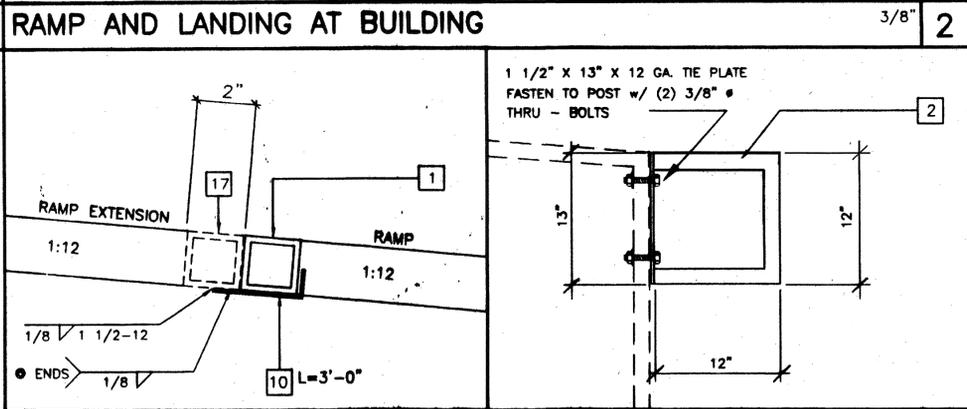
RAMP AND LANDING AT BUILDING 3/8" 2



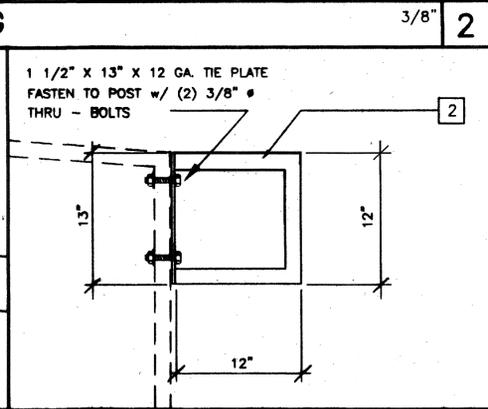
LONG. SECTION @ LANDING 14



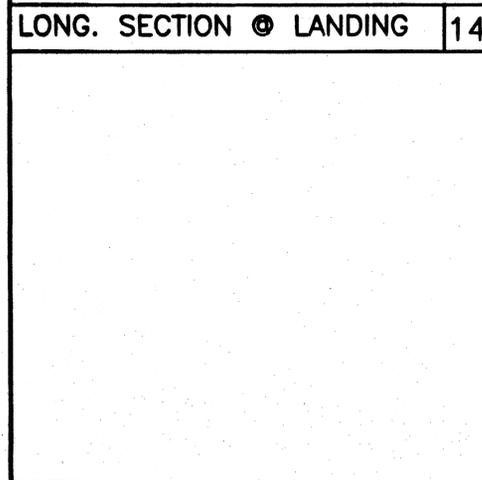
LONGITUDINAL SECTION @ RAMP 9



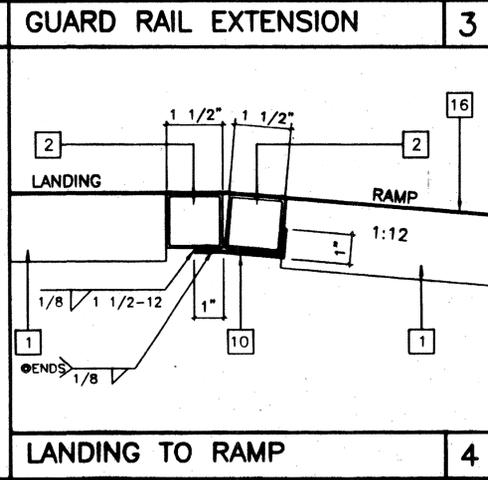
RAMP EXTENSION TO RAMP 5



GUARD RAIL EXTENSION 3



LANDING TO RAMP 4



RAMP EXTENSION TO RAMP 5

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 FT 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 0.6. MAINTAINABLE FOR 1 YR. RAMP EXTENSION FRAME.
- 17 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 18ga

FILE #15-6
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 03-118271
 AC. FLS. SS. CL.
 DATE MAR 14 1997
 TRACKING #: 63321-294

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL 67533
 AC. FLS. SS. CL.
 DATE MAR 11 1997

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 FRAM 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 28" THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 28'-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)

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 266
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