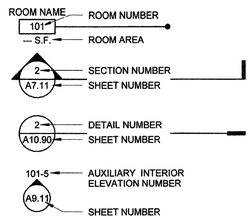
ABBREVIATIONS

A	- ACCESSIBLE	MECH	- MECHANICAL
AC	- ASPHALT CONCRETE	MFG	- MANUFACTURING
A/C	- AIR CONDITIONING	MFR	- MANUFACTURER
ACOUS	- ACOUSTICAL	MIN	- MINIMUM
ADD	- ADDENDUM	MIR	- MIRROR
ADJ	- ADJUSTABLE or ADJACENT	MISC	- MISCELLANEOUS
		MTL	- METAL
ALUM	- ALUMINUM	(N)	- NEW
ARCH	- ARCHITECT (URAL)	NIC	- NOT IN CONTRACT
BD	- BOARD	NO	- NUMBER
BLDG	- BUILDING	NTS	- NOT TO SCALE
BLKG	- BLOCKING	O/	- OVER
BM	- BEAM	OC	- ON CENTER
BOT	- BOTTOM	OD	- OUTSIDE DIAMETER
BUR	- BUILT UP ROOFING	OPP	- OPPOSITE
C	- CARPET	PL	- PROPERTY LINE
CAB	- CABINET	PLAM	- PLASTIC LAMINATE
CB	- CATCH BASIN	PLAS	- PLASTER
CEM	- CEMENT	PLT	- PLATE
CF	- CUBIC FOOT	PLWD	- PLYWOOD
CJ	- CONTROL JOINT	PNL	- PANEL
CLG	- CEILING	POC	- POINT OF CONNECTION
CT	- CERAMIC MOSAIC (TILE)	PTDF	- PRESERVATIVE TREATED DOUGLAS FIR
CMU	- CONCRETE MASONRY UNIT	PTN	- PARTITION
CO	- CLEAN OUT	PVC	- POLYVINYL CHLORIDE
COL	- COLUMN	R	- RISER
CONC	- CONCRETE	RD	- ROOF DRAIN
CONT	- CONTINUOUS or CONTINUE	REF	- REFERENCE
		REFR	- REFRIGERATOR
CONST	- CONSTRUCTION	REQ'D	- REQUIRED
CSK	- COUNTERSINK	RES	- RESILIENT
CW	- COLD WATER	RDWD	- REDWOOD
DET	- DETAIL	RWL	- RAIN WATER LEADER
DF	- DRINKING FOUNTAIN	SCH	- SCHEDULE
DIA	- DIAMETER	SD	- STORM DRAIN
DIAG	- DIAGONAL	SEC	- SECTION
DIM	- DIMENSION	SF	- SQUARE FEET
DIV	- DIVISION	SHT	- SHEET
DR	- DOOR	SHTG	- SHEATHING
DS	- DOWNSPOUT	SIM	- SIMILAR
DWG	- DRAWING	SPEC	- SPECIFICATIONS
E	- ENAMEL	SQ	- SQUARE
(E)	- EXISTING	SS	- STAINLESS STEEL
EA	- EACH	STN	- STAIN
EJ	- EXPANSION JOINT	STD	- STANDARD
ELEV	- ELEVATION	STL	- STEEL
ELECT	- ELECTRICAL	TEMP	- TEMPERED
EQ	- EQUAL	T&G	- TONGUE-AND-GROOVE
EXT	- EXTERIOR	THRU	- THROUGH
(F)	- FUTURE	TJ	- TOOL JOINT
FAB	- FABRICATION	TOC	- TOP OF CURB, CRICKET, or CONCRETE
FAC	- FACTORY		
FD	- FLOOR DRAIN	TOP	- TOP OF PARAPET
FF	- FINISHED FLOOR	TOS	- TOP OF SLAB, SHEATHING, or STEEL
FIN	- FINISH		
FND	- FOUNDATION	TS	- TOP OF SHEATHING
FOF	- FACE OF FINISH	TV	- TELEVISION
FOP	- FACE OF PLYWOOD SHEATHING	TYP	- TYPICAL
		UON	- UNLESS OTHERWISE NOTED
FOS	- FACE OF STUD		
FRP	- FIBERGLASS REINFORCED PLASTIC PANELS	VAR	- VARIES
		VCT	- VINYL COMPOSITION TILE
FTG	- FOOTING	VCTB	- VINYL COVERED TACKBOARD
FURR	- FIRRED (ING)	VFY	- VERIFY
GA	- GAUGE	VIF	- VERIFY IN FIELD
GB	- GYPSUM BOARD	VWC	- VINYL WALL COVERING
GL	- GLASS or GLAZING	W/	- WITH
GLV	- GALVANIZED	WD	- WOOD
GSM	- GALVANIZED SHEET METAL	WF	- WIDE FLANGE
		WIN	- WINDOW
GYP	- GYPSUM	W/O	- WITH OUT
HB	- HOSE BIBB	WS	- WOOD SCREW
HC	- HOLLOW CORE	WSCT	- WAINSCOT
HDW	- HARDWOOD	@	- AT
HM	- HOLLOW METAL (STEEL)	ø	- DIAMETER
HOR	- HORIZONTAL	±	- PLUS/MINUS
HT	- HEIGHT	°	- DEGREES
HVAC	- HEATING VENTILATING AIR CONDITIONING		
HW	- HOT WATER		
ID	- INSIDE DIAMETER		
INSUL	- INSULATE (D), (ION)		
INT	- INTERIOR		
INV	- INVERT		
JT	- JOINT		
LAM	- LAMINATE (D)		
LAV	- LAVATORY		
MATL	- MATERIAL		
MAX	- MAXIMUM		
MB	- MACHINE BOLT		

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS (TITLE DOCUMENTS) AND ALL OTHER LOCAL CODES AND ORDINANCES OF THE GOVERNING AUTHORITY HAVING JURISDICTION AND AS IDENTIFIED UNDER APPLICABLE CODES ON THIS SHEET. IT IS THE INTENT OF THESE DOCUMENTS TO COMPLY HERETO.
2. ALL DRAWINGS SHALL BE USED IN CONCERT WITH EACH OTHER. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCY BETWEEN THE DOCUMENTS, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT. REFER TO THE ARCHITECTURAL AND ENGINEERING DRAWINGS FOR PLACEMENT, ORIENTATION AND COORDINATION OF WORK. INFORMATION SHOWN IN LARGER SCALE IS INTENDED TO SUPPLEMENT INFORMATION OF SMALLER, PRECEDING REFERENCE DRAWINGS. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
3. NOTATIONS MARKED "TYPICAL" (TYP.) SHALL BE CONSISTENT THROUGHOUT ALL SUCH REFERENCE NOMENCLATURE, SYMBOLS AND DRAWING INDICATIONS OF LIKE OR SIMILAR KIND.
4. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY CONSTRUCTION CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY ASSOCIATED WORK. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL REQUEST IN WRITING A CLARIFICATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ASSOCIATED WORK.
5. CONTRACTOR SHALL VERIFY, AT THE SITE, ALL EXISTING CONDITIONS PRIOR TO SUBMITTAL OF BIDS. SITE VISITS DURING BIDDING SHALL BE COORDINATED WITH THE OWNER IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATIONS.
6. CONTRACTOR SHALL PROTECT ALL EXISTING WORK. ANY DAMAGED WORK SHALL BE REPLACED WITH THE SAME MATERIALS, INCLUDING MATCHING THE EXISTING COLORS AND TEXTURES.
7. EXISTING WORK IS SHOWN FOR REFERENCE ONLY. THE OWNER AND/OR ARCHITECT DO NOT GUARANTEE EXISTING CONDITIONS AS SHOWN ON THESE DOCUMENTS.
8. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THEIR OWN CLEANUP AS WORK PROGRESSES.
9. MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS THAT ARE DISCOVERED DURING THE PROGRESS OF THE WORK SHALL BE REPORTED TO THE OWNER IN WRITING. WORK IN THAT PARTICULAR AREA SHALL BE SUSPENDED UNTIL THE OWNER TESTS THE SUSPECT MATERIAL AND IT IS FOUND TO BE SAFE, OR THE MATERIAL HAS BEEN PROPERLY ABATED.
10. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
11. IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN.
12. STORAGE OF CONSTRUCTION MATERIAL AND EFFECT OF WORK ON EXISTING OCCUPIED AREAS SHALL BE APPROVED BY THE LOCAL FIRE AUTHORITY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK PROVIDED BY OTHERS UNDER SEPARATE CONTRACT.
14. KEYNOTES USED ON THE ARCHITECTURAL DRAWINGS ARE FOR ASSEMBLIES, MATERIAL REFERENCES AND NOTES. REFER TO THE KEYNOTE LIST ON THE RESPECTIVE DRAWING FOR THE INFORMATION WHICH RELATES TO EACH KEYNOTE.

SYMBOL LEGEND



DSA ADMIN. REQUIREMENTS

1. A COPY OF PARTS 1 TO 5, TITLE 24, C.C.R. SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL CONSTRUCTION CHANGE DIRECTIVES - C.C.D. (CHANGE ORDERS) - AND ADDENDA TO BE SIGNED BY ARCHITECT AND THE OWNER AND APPROVED BY DSA. CONSTRUCTION CHANGE DIRECTIVES - C.C.D. (CHANGE ORDERS) -AND ADDENDA ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24.
3. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
4. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
5. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWINGS:
   · ARCHITECT OR ENGINEER OF RECORD.
   · STRUCTURAL ENGINEER (WHEN APPLICABLE)
   · DELEGATED PROFESSIONAL ENGINEER.
   · DSA
6. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
7. PER CBC 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS."
8. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335, PART 1, TITLE 24, AND APPROVED TESTS AND INSPECTIONS SHEET.
9. TESTS OF MATERIALS SHALL AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335, PART 1, TITLE 24 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST SHALL BE PER GENERAL CONDITIONS.
10. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TOTHE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1,TITLE 24.
11. INSPECTOR SHALL BE APPROVED BY DSA. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333(b). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-342, PART 1, TITLE 24.
12. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-334, PART 1, TITLE 24.
13. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (Form SS6-6) IN ACCORDANCE WITH SECTIONS 4-336 AND 4-343, PART 1, TITLE 24.
14. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTIONS 4-333(a) AND 4-341, PART 1, TITLE 24.
15. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTIONS 4-343, PART 1, TITLE 24.
16. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DIRECTIVES-C.C.D., OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

SCOPE OF WORK

THE FOLLOWING IS A BRIEF DESCRIPTION OF THE SCOPE OF WORK AS REQUIRED BY DSA. CONTRACTOR SHALL DETERMINE/VERIFY THE ENTIRE SCOPE AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS PRIOR TO SUBMITTING BIDS.

PLACEMEMNT OF TWO (2) 24'-0" x 40'-0" CLASSROOM RELOCATABLE BUILDINGS ONTO AN EXISTING CAMPUS

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

(Application No. _____ File No. 15-6)

☒ The MODTECH and MSI drawings or sheets listed on the cover or index sheet
☐ This drawing, page or specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me,
2) and coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341, and 4-344" of Title 24, Part 1. *(Title 24, Part 1, Section 4-317 (b))*

I find that: ☒ All MODTECH and MSI drawings or sheets listed on the cover or index sheet
☐ This drawings or page

☒ is/are in general conformance with the project design, and
☒ has/have been coordinated with the project plans and specifications

Signature — 4/27/16 Date

Architect or Engineer designated to be in general responsible charge

RICHARD MELLO
Print Name

C 18079 — 10/2017
License Number — Expiration Date

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST BAKERSFIELD, CA 93306

CONSTRUCTION DOCUMENTS

DSA FILE NO.:15-6 **DSA APP NO.:** **AGENCY TRACKING NO.: 63321-154**

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ARCHITECTURAL

A0.01 TITLE SHEET
A1.10A SITE PLAN - LOCAL FIRE AUTHORITY REVIEW
A1.10B FLOOD MAP
A1.11 SITE PLAN
A1.12 PARTIAL SITE PLAN
A1.13 DIMENSION AND ELEVATIONS PLAN
A1.14 EXISTING RESTROOM
A10.10 DETAILS

ELECTRICAL

E-0 SYMBOL LIST, GENERAL NOTES, SINGLE LINE DIAGRAM
E-0.1 DETAILS
E-0.2 FIRE ALARM RISER CALCULATIONS
E-1 ELECTRICAL PARTIAL SITE PLAN
E-2 FIRE ALARM PARTIAL SITE PLAN
E-3 DATA/COMM. PARTIAL SITE PLAN

CLASSROOM RELOCATABLE R-510 MODTECH (A# 04-105455) SN; 47949-01/02

A.0 TITLE SHEET
A1.1 FLOOR PLAN
A2.04 REFLECTED CEILING PLAN
A2.09 REFLECTED CEILING DETAILS
A3.01 ROOF PLAN 22GA
A3.03 ROOF DETAILS
A4.01 EXTERIOR ELEVATIONS W/ FASCIA
A4.03 ARCHITECTURAL DETAILS
A5.02 INTERIOR ELEVATIONS
A6.02 DOOR, WINDOW, FINISH, HARDWARE SCHEDULES

F1.01 FOUNDATION PLAN.
F2.01 FOUNDATION DETAILS

S1.0 FLOOR FRAMING PLAN
S1.2 FLOOR FRAMING DETAILS
S2.2 ROOF FRAMING DETAILS
S3.0 STRUCTURAL ELEVATIONS AND DETAILS
S4.0 WALL FRAMING
S5.0 WALL FRAMING DETAILS

M1.0 MECHANICAL HVAC PLAN

E1.03 ELECTRICAL PLAN

R1.02 RAMP/LANDING
R5.01 5 FOOT RAMP/LANDING PLAN, 11' RAMP

CLASSROOM RELOCATABLE R5-20 MODULAR STRUCTURES INTERNATIONAL (A# 04-100118) SN: 4561/62

T TITLE SHEET
G-1 GENERAL SPECIFICATIONS
G-3 ARCHITECTURAL STANDARDS DETAILS
G-4 PLUMBING GENERAL NOTE AND DETAILS
A-1-24 24'X40' FLOOR PLAN
A-2-24 24'X40' EXTERIOR ELEVATION
A-3-24 24'X40' ROOF PLAN
A-4-24 24'X40' INTERIOR ELEVATION
A-6-24 24'X40' REFLECTED CEILING PLAN & DETAILS
M-1-24 24'X40' MECHANICAL PLAN
E-1-24 24'X40' ELECTRICAL PLAN
S-1 STRUCTURAL GENERAL NOTES
S1-A STRUCTURAL GENERAL NOTES
S-5A DOUBLE SLOPE COLD ROLLED/TRUSS RIGID FRAME
S-10 FLOOR FRAMING PLAN
S-11 FLOOR CONSTRUCTION DETAILS
S-20 SINGLE OR DOUBLE ROOF PITCH-EXTERIOR WALLS
S-25 STEEL FRAMING DETAIL
S-26 STEEL FRAMING DETAIL
S-30 GENERAL INT. AND EXT. WALL CONSTRUCTION DETAILS
S-40 GENERAL ROOF CONSTRUCTION LAYOUT
S-50 ROOF CONSTRUCTION DETAILS
S-52 ROOF CONSTRUCTION DETAILS
S-60 ROOF CONSTRUCTION DETAILS
S-62 ROOF CONSTRUCTION DETAILS
S-70 STEEL TRUSS FOR DOUBLE PITCH ROOF (20 PSF)
S-70A STEEL TRUSS FOR DOUBLE PITCH ROOF (30 PSF)
F-1 WOOD FOUNDATION (50 PSF FLOOR) W/20 PSF ROOF
F1.0 C.L FOUNDATION PLAN AND DETAILS (PC 04-113776)
F2.1 C.L FOUNDATION PLAN AND DETAILS (PC 04-113776)
R-1 RAMP LANDING PLAN AND DETAILS

APPLICABLE CODES

CALIFORNIA CODE OF REGULATIONS, TITLE 24 - BUILDING STANDARDS

- 2013 **CALIFORNIA ADMINISTRATIVE CODE (CAC)** (Title 24, Part 1, CCR) - At Chaper 10, 2010 California Building Standards Administrative Code (Title 24, Part 1) applies
- 2013 **CALIFORNIA BUILDING CODE (CBC)**, Volumes 1 & 2 (Title 24, Part 2CR) (2012 International Building Code with 2013 California amendments)
- 2013 **CALIFORNIA ELECTRICAL CODE,** Title 24, Part 3, CCR) (2011 National Electrical Code with 2013 California amendments)
- 2013 **CALIFORNIA MECHANICAL CODE (CMC)**, Title 24, Part 4, CCR) (2012 Uniform Mechanical Code with 2013 California amendments)
- 2013 **CALIFORNIA PLUMBING CODE (CPC)**, Title 24, Part 5, CCR) (2012 Uniform Plumbing Code with California amendments)
- 2013 **CALIFORNIA ENERGY CODE,** (Title 24, Part 6, CCR)
- 2013 **CALIFORNIA HISTORICAL BUILDING CODE,** (Title 24, Part 8, CCR)
- 2013 **CALIFORNIA FIRE CODE (CFC)**, Title 24, Part 9, CCR) (2012 International Fire Code with California amendments)
- 2013 **CALIFORNIA EXISTING BUILDING CODE,** (Title 24, Part 10, CCR)
- 2013 **CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)**, Title 24, Part 11, CCR) - 2010 California Green Building Standards Code applies at those portions designated by California Building Standards Commision.
- 2013 **CALIFORNIA REFERENCE STANDARDS CODE,** (Title 24, Part 12, CCR)

2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN, U.S. Department of Justice
2013 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2013 Edition
2013 NFPA 72, NATIONAL FIRE ALARM CODE AND SIGNALING CODE, 2013 Edition

NOTE: SOME CODES MAY NOT APPLY IF WORK REGULATED BY SUCH CODES IS NOT WITHIN THE SCOPE OF THIS PROJECT.

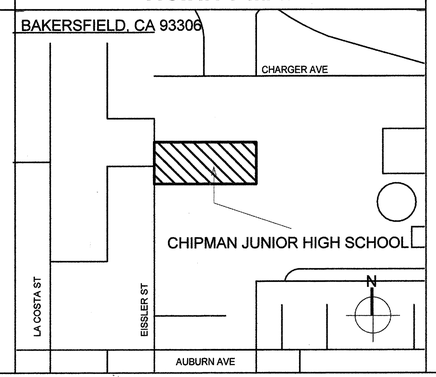
PROJECT DIRECTORY

OWNER:
BAKERSFIELD CITY SCHOOL DISTRICT
1501 FELIZ DRIVE
BAKERSFIELD, CA 93307
PHONE: (661) 631-4600
FAX: (661) 861-9907
CONTACT: ROBERT VANTASSEL, RANDY ROWLES

ARCHITECT:
IBI GROUP ARCHITECTURE PLANNING
4119 BROAD STREET, SUITE 210
SAN LUIS OBISPO, CA 93401
PHONE: (805) 546-0433
FAX: (805) 546-0504
CONTACT: RICK MELLO, PRINCIPAL

ELECTRICAL:
JMPE
5500 MING AVENUE #251
BAKERSFIELD, CA 93309
PHONE: (661) 831-7851
FAX: (661) 831-7813
CONTACT: JOHN MALONEY

VICINITY MAP



PRIME CONSULTANT

IBI ARCHITECTURE PLANNING
San Luis Obispo
4119 Broad Street, Suite 210
San Luis Obispo, CA 93401
805.546.0433 fax: 805.546.0504

SEAL

LICENSED ARCHITECT — RICHARD MELLO — No. C18079 — REN. 10/17 — STATE OF CALIFORNIA

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REVISIONS

NO.	DATE	APPRD.	DESCRIPTION

CONSULTANT

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035
AC AV FLS LO SS BY
DATE 01/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	C.C
CHK'D BY:	RM
ISSUE DATE:	04/27/2016

SHEET TITLE

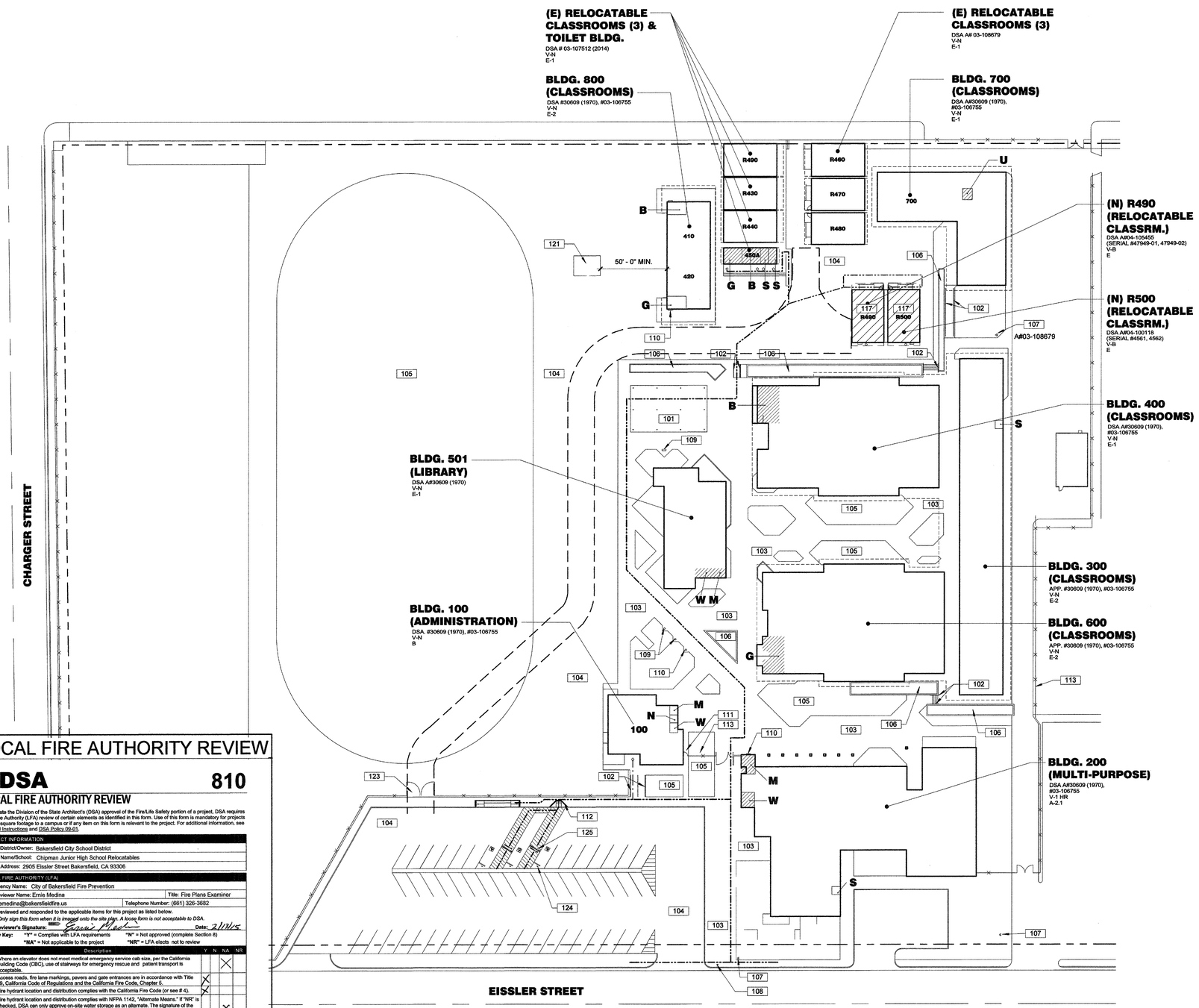
TITLE SHEET

SHEET NUMBER

A0.01

CONSTRUCTION DOCUMENTS

PLOT DATE: 4/20/2016 1:29:58 PM \\ussvwst.bigroup.com\USN\14146_BC_ChipRelocS.9 Drawings\93archive\ATV-14146_site_Chipman.rvt



SITE PLAN

0 20' 40' 80'

LOCAL FIRE AUTHORITY REVIEW

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:	Chipman Junior High School Relocatables
Project Address:	2905 Eissler Street Bakersfield, CA 93306

LOCAL FIRE AUTHORITY (LFA)		
LFA Agency Name:	City of Bakersfield Fire Prevention	
LFA Reviewer Name: Ernie Medina		Title: Fire Plans Examiner
Email: emedina@bakersfieldfire.us	Telephone Number: (661) 326-3682	

I have reviewed and responded to the applicable items for this project as listed below.
***Note:** Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.*
LFA Reviewer's Signature: Ernie Medina **Date:** 2/10/15
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.) ☐ Yes ☒ No Check type if "Yes": ☐ Moderate ☐ High ☐ Very High ☐ WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
8	COMMENTS (note deficiencies):				

DSA 810 (rev 05-12-14) DIVISION OF THE STATE ARCHITECT | DEPARTMENT OF GENERAL SERVICES | Page 1 of 1 STATE OF CALIFORNIA

100-GENERAL NOTES

1. THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF DEMOLITION REQUIRED TO INSTALL IMPROVEMENTS INDICATED ON THE CONSTRUCTION DOCUMENTS.
2. ALL MATERIAL INDICATED TO BE REMOVED IS TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
3. PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EXISTING UTILITIES WITH UNDERGROUND SERVICE ALERT (U.S.A.)
4. CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.

100 - KEYNOTES

101 (E) COVERED LUNCH AREA TO REMAIN.
102 (E) HANDRAILS TO REMAIN.
103 (E) CONCRETE FLATWORK TO REMAIN.
104 (E) ASPHALT PAVING TO REMAIN.
105 (E) TURF AREA TO REMAIN.
106 (E) LANDSCAPE PLANTER TO REMAIN.
107 (E) FIRE HYDRANT TO REMAIN.
108 (E) PARKING ENTRY SIGN PER A# 03-106755.
109 (E) NON-ADA DRINKING FOUNTAIN TO REMAIN.
110 (E) ADA DRINKING FOUNTAIN PER A#03-106755.
111 (E) PANIC HARDWARE AT GATE TO REMAIN.
112 (E) FLUSH TRANSITION TO REMAIN.
113 (E) FENCE TO REMAIN.
117 INSTALL MODULAR CLASSROOM BUILDING AT (E) A.C. PAVING FOUNDATION. INSTALLATION PER MFR. DRAWINGS.
121 SAFE DISPERSAL AREA (MIN 480 SF).
123 (E) 20'-0" WIDE DRIVE APPROACH AND PAIR OF 10'-0" WIDE GATES FOR FIRE DEPARTMENT ACCESS.
124 (E) ACCESSIBLE PARKING SIGNS, TO REMAIN. PROVIDE "MIN. FINE $250" SIGNS PER DETAIL 7/A10.10.
125 PROVIDE 4" WHITE HATCHING LINES (CONTRASTING COLOR) IN ACCESS AISLE, MAINTAIN PERIMETER LINES IN BLUE COLOR.

LEGEND

NOTE: ITEMS IN THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET

- RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.
- EXISTING BUILDING AND/OR PORTABLES NOT A PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.
- M/W — EXISTING ACCESSIBLE STUDENT OR STAFF RESTROOM PER DSA APPLICATION INDICATED ON PLANS (S=STAFF, M=MEN, W=WOMEN, B=BOYS, G=GIRLS, U=UNISEX STUDENT, N=NURSE)
- ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS PER CBC SECTION 11B-404.
- ACCESSIBLE BUILDING ENTRANCE
- FIRE DEPARTMENT ACCESS , 12'-0" MIN. - 20'-0" MAX.
- PROPERTY LINE
- ASSUMED PROPERTY LINE

PRIME CONSULTANT

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03-117035
AC ☐ FLS ☐ SS ☐ BY
DATE 6/23/2016

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD CITY SCHOOL DISTRICT Where The Child Comes First

CHIPMAN JR. HIGH SCHOOL RELOCATABLES

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	AJB
CHK'D BY:	RM
ISSUE DATE:	12/15/15

SHEET TITLE

SITE PLAN - LOCAL FIRE AUTHORITY REVIEW

SHEET NUMBER

A1.10A

CONSTRUCTION DOCUMENTS

PLOT DATE: 1/21/2016 10:08:15 AM J:\14146_BC_ChipRelocs\5.9 Drawings\5Barch\current\ATWaite_Chipman.rvt

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242,** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was derived from USDA –Farm Service Agency –Aerial Photography Field Office dated 2005 and from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1992 or later.

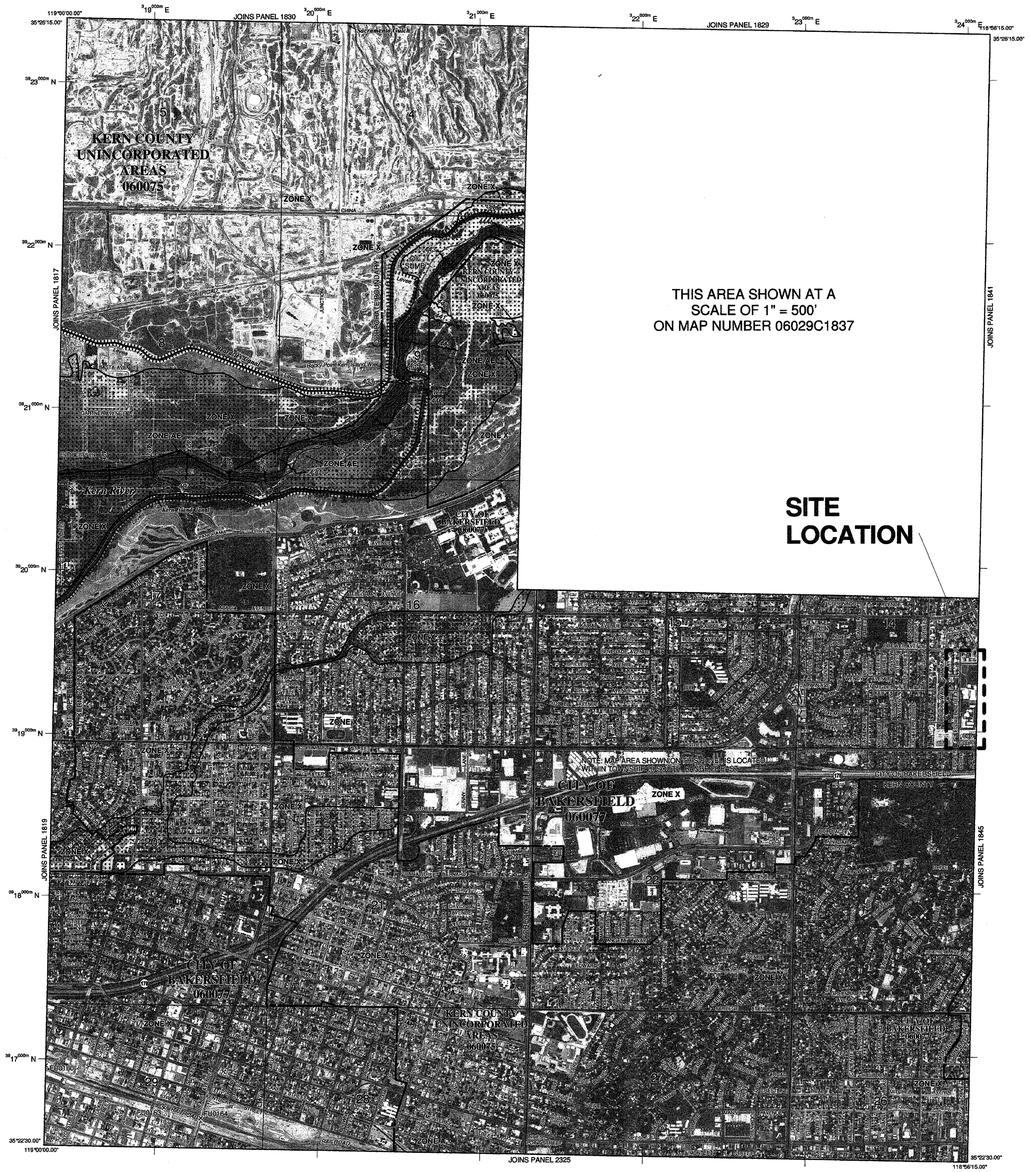
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the *Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de–annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1–800–358–9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a *Flood Insurance Study* report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1–800–358–9620 and its website at http://www.msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1–877–FEMA MAP** (1–877–336–2627) or visit the FEMA website at http://www.fema.gov/.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- A — A — Cross section line
- 23 — 23 — Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4275000mN — 1000-meter Universal Transverse Mercator grid ticks, zone 11
- 6000000 M — 5000-foot grid ticks: California State Plane coordinate system, V zone (FIPSZONE 0405), Lambert Conformal Conic
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 26, 2008
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1–800–638–6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1840E

FIRM
FLOOD INSURANCE RATE MAP

KERN COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1840 OF 4125
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
KERN COUNTY	060075	1840	E
BAKERSFIELD, CITY OF	060077	1840	E

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06029C1840E
EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

1 A.110B FLOOD MAP
AS NOTED

PRIME CONSULTANT

ARCHITECTURE PLANNING

IBI
San Luis Obispo
4119 Broad Street, Suite 210
San Luis Obispo, CA 93401
805.546.0433 fax: 805.546.0504

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RICHARD MAYO
No. C18079
REN. 10/17
STATE OF CALIFORNIA

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03-117035
AC — FLS — SS 64
DATE 06/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	CC.
CHK'D BY:	RM.
ISSUE DATE:	04/27/2016

SHEET TITLE

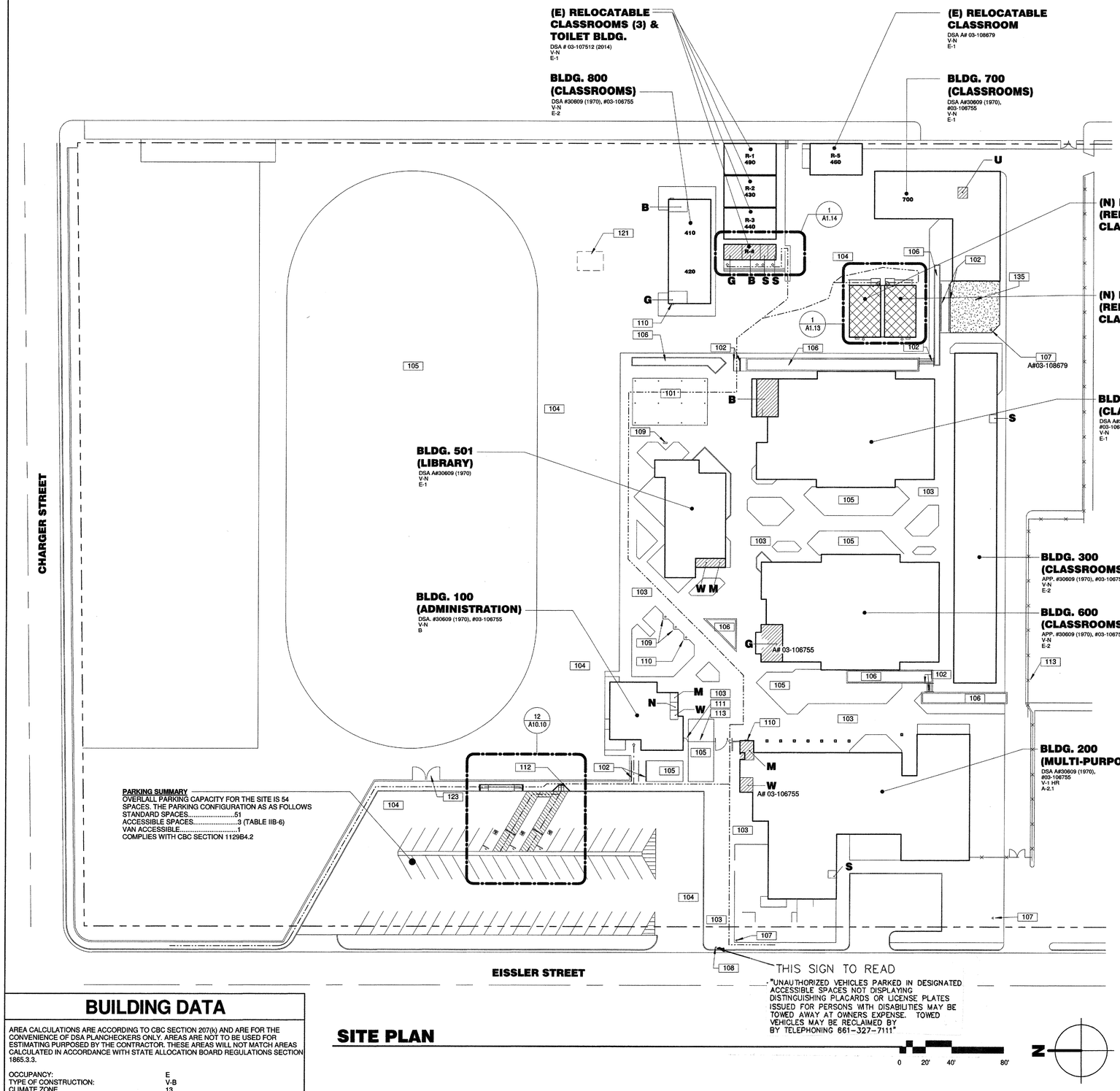
FLOOD MAP

SHEET NUMBER

A1.10B

CONSTRUCTION DOCUMENTS

PLOT DATE: 4/22/2016 9:46:51 AM J:\14146_BC_ChipRelocs\5.9 Drawings\S9archt\current\ATW-14146_site_Chipman.rvt



SITE PLAN

BUILDING DATA

AREA CALCULATIONS ARE ACCORDING TO CBC SECTION 207(k) AND ARE FOR THE CONVENIENCE OF DSA PLANCHECKERS ONLY. AREAS ARE NOT TO BE USED FOR ESTIMATING PURPOSED BY THE CONTRACTOR. THESE AREAS WILL NOT MATCH AREAS CALCULATED IN ACCORDANCE WITH STATE ALLOCATION BOARD REGULATIONS SECTION 1865.3.3.

OCCUPANCY:	E
TYPE OF CONSTRUCTION:	V-B
CLIMATE ZONE	13
ALLOWABLE BUILDING AREA:	9,500 S.F.
ACTUAL BUILDING AREA:	R510 1080 SF R520 1080 SF
	2,160 S.F. < 9,500 S.F. OK

100-GENERAL NOTES

1. THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF DEMOLITION REQUIRED TO INSTALL IMPROVEMENTS INDICATED ON THE CONSTRUCTION DOCUMENTS.
2. ALL MATERIAL INDICATED TO BE REMOVED IS TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
3. PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EXISTING UTILITIES WITH UNDERGROUND SERVICE ALERT (U.S.A.)
4. CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.

100 - KEYNOTES

101 (E) COVERED LUNCH AREA TO REMAIN.
102 (E) HANDRAILS TO REMAIN.
103 (E) CONCRETE FLATWORK TO REMAIN.
104 (E) ASPHALT PAVING TO REMAIN.
105 (E) TURF AREA TO REMAIN.
106 (E) LANDSCAPE PLANTER TO REMAIN.
107 (E) FIRE HYDRANT TO REMAIN.
108 (E) PARKING ENTRY SIGN PER A# 03-106755.
109 (E) NON-ADA DRINKING FOUNTAIN TO REMAIN.
110 (E) ADA DRINKING FOUNTAIN PER A#03-106755.
111 (E) PANIC HARDWARE AT GATE TO REMAIN.
112 (E) FLUSH TRANSITION TO REMAIN.
113 (E) FENCE TO REMAIN.
121 SAFE DISPERSAL AREA (MIN 480 SF).
123 (E) 20'-0" WIDE DRIVE APPROACH AND PAIR OF 10'-0" WIDE GATES FOR FIRE DEPARTMENT ACCESS.
135 (E) 1,490 SF OF LANDSCAPE AREA TO REMAIN, REMOVE EXISTING IRRIGATION SYSTEM FROM SERVICE THIS AREA.

LEGEND

NOTE: ITEMS IN THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET

- RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.
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- ASSUMED PROPERTY LINE

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AC. W FL 1st SS 64
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BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	C.C
CHK'D BY:	RM
ISSUE DATE:	04/27/2016

SHEET TITLE

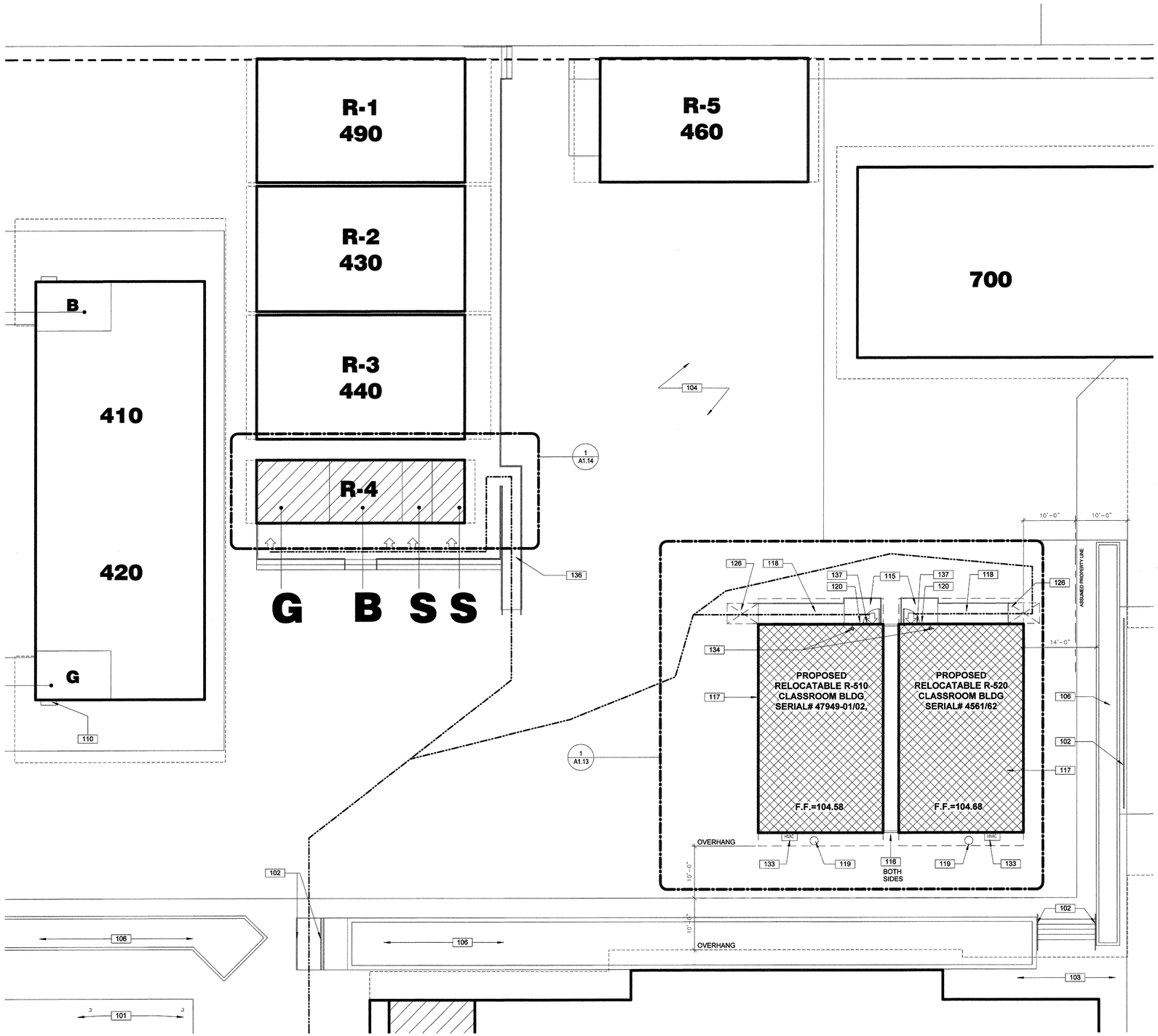
SITE PLAN

SHEET NUMBER

A1.11

CONSTRUCTION DOCUMENTS

PLOT DATE: 4/22/2016 9:47:27 AM J:\14146_BC_ChipRelocS\9 Drawings\Sheet\current\ATW-14146_site_Chipman.rvt



SITE PLAN

0 5' 10' 20'

N

100-GENERAL NOTES

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4. CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.

100 - KEYNOTES

101 (E) COVERED LUNCH AREA TO REMAIN.
102 (E) HANDRAILS TO REMAIN.
103 (E) CONCRETE FLATWORK TO REMAIN.
104 (E) ASPHALT PAVING TO REMAIN.
106 (E) LANDSCAPE PLANTER TO REMAIN.
110 (E) ADA DRINKING FOUNTAIN PER A#03-106755. (HI-LO)
115 LEVEL LANDING WITH 2% CROSS SLOPE (MAX.) PER MODULAR MFR DRAWINGS.
116 CLOSURE PANEL PER DETAIL 1/A10.10.
117 INSTALL MODULAR CLASSROOM BUILDING AT (E) A.C. PAVING FOUNDATION. INSTALLATION PER MFR. DRAWINGS.
118 ACCESSIBLE RAMP PER MODULAR MFR DRAWINGS. RAMP SHALL NOT EXCEED 1:12 SLOPE.
119 DRYWELL PER DETAIL 5/A10.10.
120 BUILDING SIGNAGE PER DETAIL 6/A10.10.
126 LEVEL LANDING PER DETAIL 4/A10.10.
133 WALL HUNG HVAC UNIT, REFER TO MODULAR BUILDING MANUFACTURER DRAWINGS. ADD MESH SCREEN BELOW UNIT PER DETAIL 9/A10.10.
134 WALL MOUNT FIRE EXTINGUISHER.
136 (E) RAMP, SLOPE IS LESS THAN 1:12.
137 THRESHOLD PER DETAIL 3/A10.10.

"Design Professional in General Responsible Charge Statement: The POT 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 POT was examined and any elements, components or portions of the POT 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 POT 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 POT 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."

LEGEND

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- FIRE DEPARTMENT ACCESS , 12'-0" MIN. - 20'-0" MAX.
- PROPERTY LINE
- ASSUMED PROPERTY LINE

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No. C18079
REN. 10/17

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03-117035
AC FLS SS
DATE 6/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	AJB
CHK'D BY:	RM
ISSUE DATE:	04/27/2016

SHEET TITLE

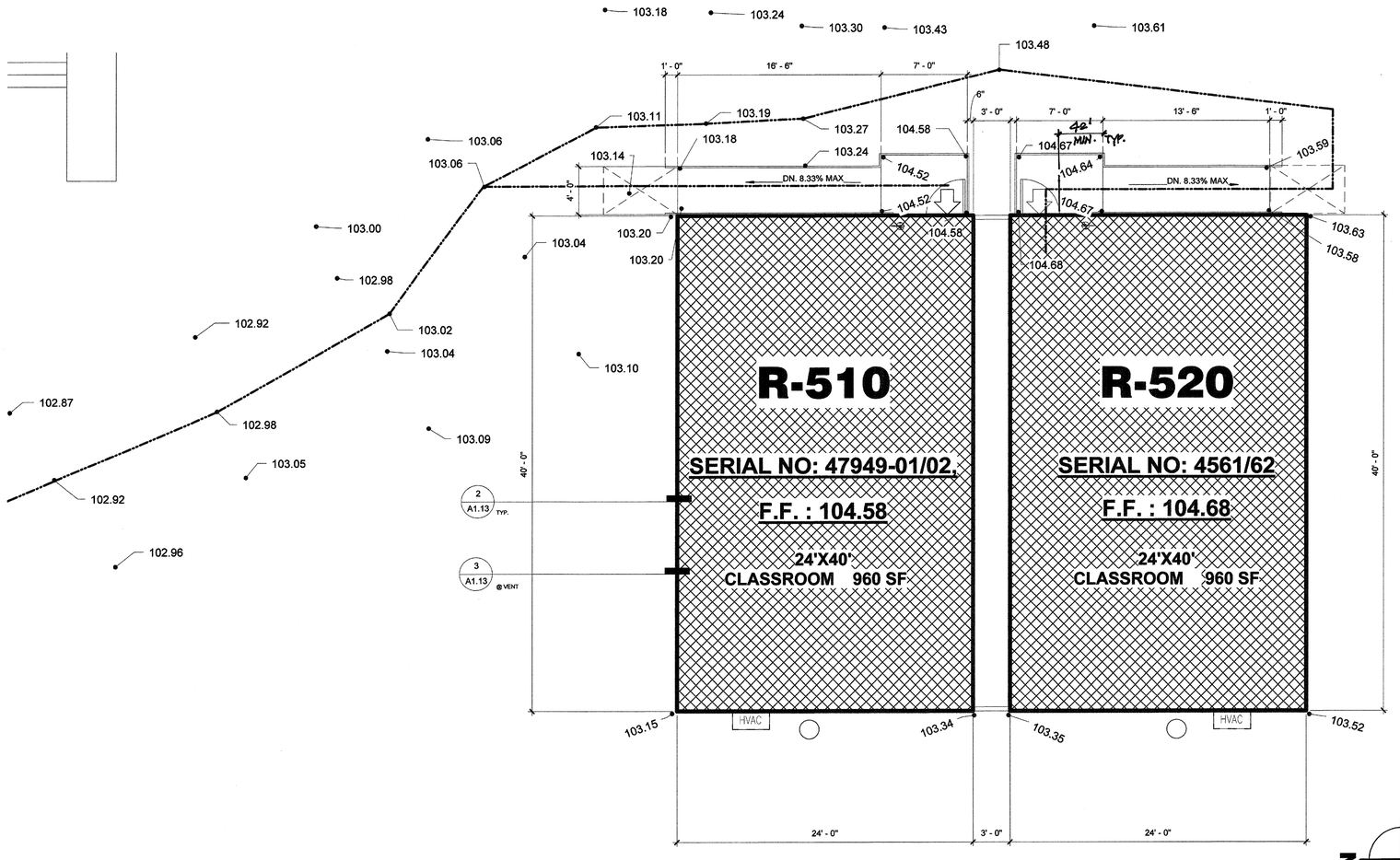
PARTIAL SITE PLAN

SHEET NUMBER

A1.12

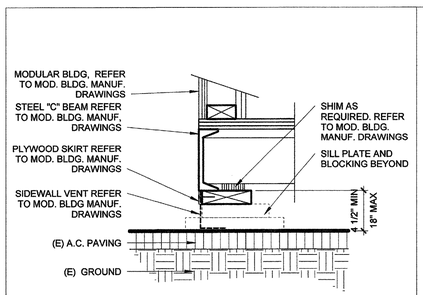
CONSTRUCTION DOCUMENTS

PLOT DATE: 4/26/2016 1:29:59 PM \\usawest.ibigroup.com\USN\14146_BC_ChipReloc\5.9 Drawings\Sheets\current\ATW-14146_site_Chipman.rvt



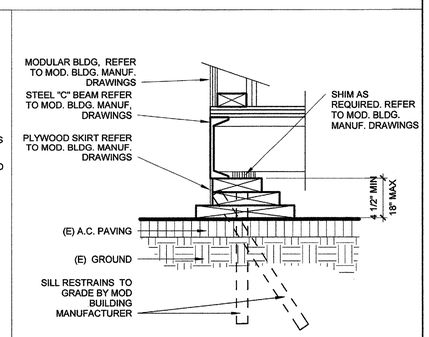
1 DIMENSION PLAN

SCALE: 3/16" = 1'-0"



3 MOD BLDG VENT

1 1/2" = 1'-0"



2 MOD BLDG SILL

1 1/2" = 1'-0"

100-GENERAL NOTES

1. THESE DRAWINGS INDICATE THE APPROXIMATE EXTENT OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF DEMOLITION REQUIRED TO INSTALL IMPROVEMENTS INDICATED ON THE CONSTRUCTION DOCUMENTS.
2. ALL MATERIAL INDICATED TO BE REMOVED IS TO BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, UNLESS INDICATED TO BE SALVAGED OR REINSTALLED.
3. PRIOR TO ANY UNDERGROUND SITE WORK, VERIFY LOCATION OF ALL EXISTING UTILITIES WITH UNDERGROUND SERVICE ALERT (U.S.A.)
4. CONTRACTOR SHALL REPLACE IN KIND ANY EXISTING IMPROVEMENTS DAMAGED BY DEMOLITION OR CONSTRUCTION ACTIVITIES.

100 - KEYNOTES

LEGEND

NOTE: ITEMS IN THIS LIST MAY NOT NECESSARILY OCCUR ON THIS SHEET

- RELOCATABLE CLASSROOM BUILDINGS TO BE CONSTRUCTED AS PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.
- EXISTING BUILDING AND/OR PORTABLES NOT A PART OF THIS DSA APPLICATION NUMBER AND CONTRACT.
- M/W — EXISTING ACCESSIBLE STUDENT OR STAFF RESTROOM PER DSA APPLICATION INDICATED ON PLANS (S=STAFF, M=MEN, W=WOMEN, B=BOYS, G=GIRLS, U=UNISEX STUDENT, N=NURSE)
- ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS PER CBC SECTION 11B-404.
- ACCESSIBLE BUILDING ENTRANCE
- FIRE DEPARTMENT ACCESS , 12'-0" MIN. - 20'-0" MAX.
- PROPERTY LINE
- ASSUMED PROPERTY LINE

PRIME CONSULTANT

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LICENSED ARCHITECT RICHARD MAY No. C18079 REN. 10/17 STATE OF CALIFORNIA

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AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035
AC M FLS LO SS BY
DATE 10/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	rRr
CHK'D BY:	RM
ISSUE DATE:	04/27/2016

SHEET TITLE

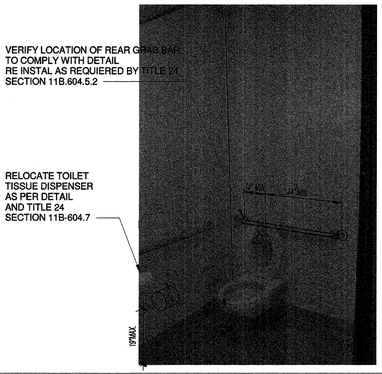
DIMENSION AND ELEVATIONS PLAN

SHEET NUMBER

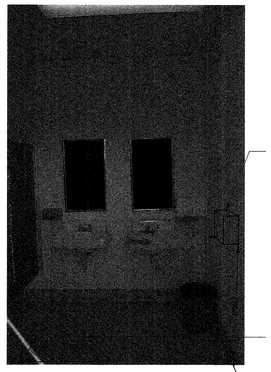
A1.13

CONSTRUCTION DOCUMENTS

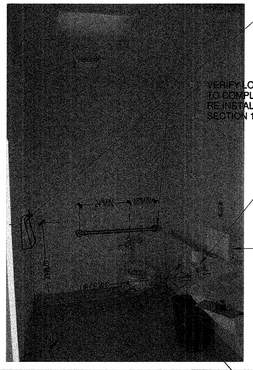
PLOT DATE: 4/28/2016 1:30:00 PM \\usawest.bigcrop.com\JSN\14146_BC_ChipReloc\S.9 Drawings\Sketchument\ATW-14146_site_Chipman.rvt



8 BOYS W.C STALL 12" = 1'-0"

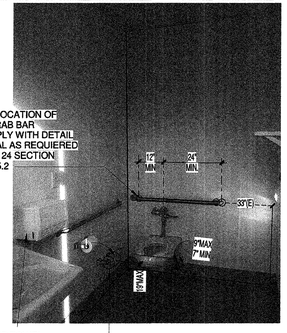


7 BOYS LAVATORY 12" = 1'-0"

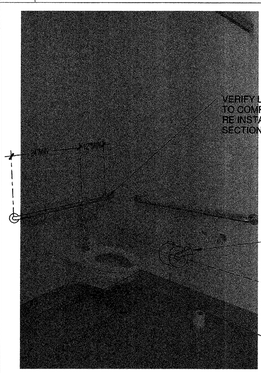


9 MENS ACCESSIBLE T.R 12" = 1'-0"

6 GIRLS LAVATORY 12" = 1'-0"



10 WOMEN ACCESS. W.C 12" = 1'-0"



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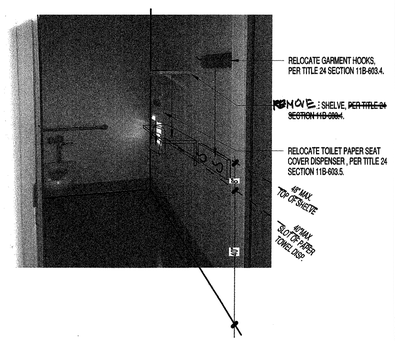
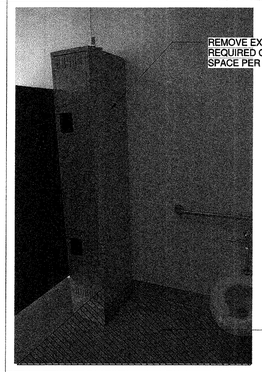
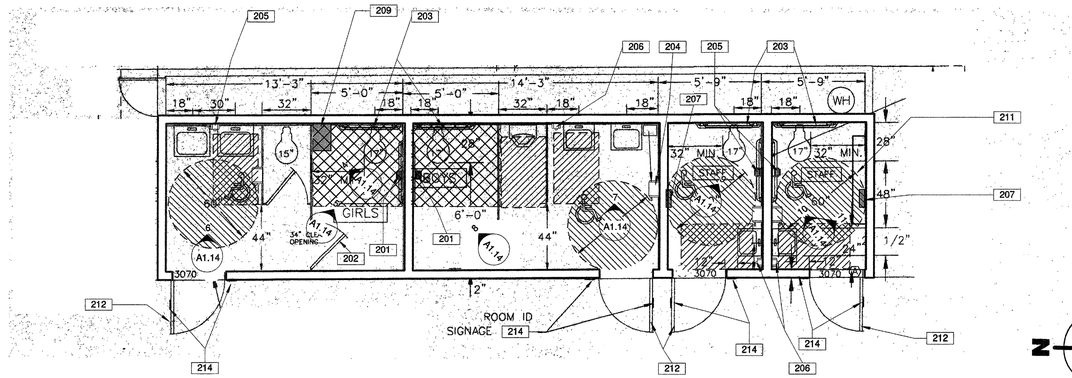


11 WOMEN ACCESS T.R N.T.S



4 GIRLS W.C STALL 12" = 1'-0"



1 (E) RESTROOM BLDG 450A

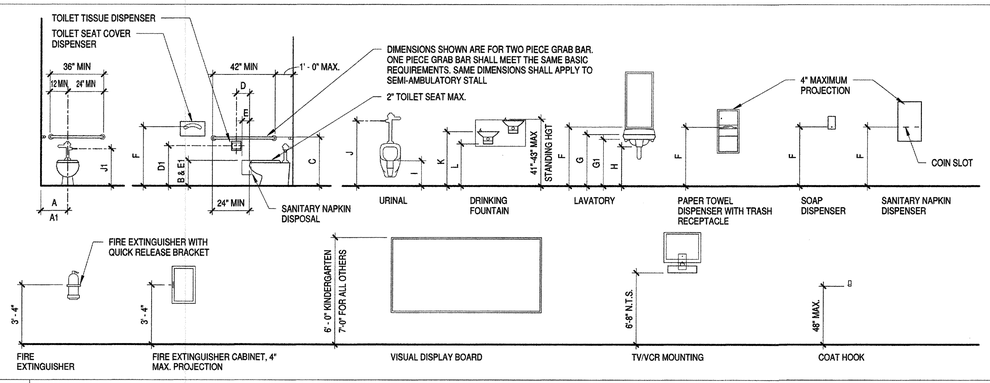
0 2' 4' 8'

NOTES TO EXISTIN RESTROOMS FLOOR PLAN:

1.) EXISTING BOY'S AND GIRL'S TOILET FIXTURES LAYOUT AND ACCESSORIES , WHERE ALTERED IN COMPLIANCE WITH THE REQUIREMENTS OF THE PRECEEDING 2010 C.B.C, TABLE 1115B-1 CHILDREN DIMENSIONS, AND OR ARE IN COMPLIANCE WITH THE 2013 C.B.C TABLE 11B-604.9, SUGGESTED CHILDREN DIMENSIONS, UNLESS OTHERWISE NOTED.
REFER TO 2013 CBC CAPTER 11B-202.4 FOR EXISTING TOILET RETROFIT REQUIREMENT, EXCEPTION 2.

2) EXISTING CONDITIONS AT STAFF WOMEN RESTROOM, ARE SIMILAR TO EXISTING CONDITIONS AT STAFF MEN RESTROOM.
THE SCOPE OF WORK ON STAFF WOMEN RESTROOM, IS EQUAL TO THE SCOPE OF WORK ON STAFF MEN RESTROOM, UNLESS OTHERWISE NOTED.

3.) ALL EXISTING TOILET FIXTURES, DOORS, PARTITIONS, SIGNS, ACCESSORIES ETC. ARE TO REMAIN UNLESS OTHERWISE NOTED.



3 MOUNTING HEIGHTS

LETTER	DESCRIPTION	ADULTS AGES 13 & OLDER	CHILDREN AGES 9-12
A	WHEELCHAIR ACCESSIBLE WATER CLOSET CENTERLINE	17" - 18"	15" - 18"
A1	AMBULATORY ACCESSIBLE WATER CLOSET CENTERLINE	17" - 19"	15" - 18"
B	TOILET SEAT HEIGHT (TO TOP OF SEAT)	17" MIN - 19" MAX	15" - 17"
C	GRAB BAR HEIGHT (TOP OF GRIPPING SURFACE)	33" MIN - 36" MAX	25" - 27"
D	TOILET TISSUE DISPENSER TO TOILET	7" - 9"	7" - 9"
D1	TOILET TISSUE DISPENSER (OUTLET OF DISPENSER FROM FLOOR)	19" MIN	17" - 19"
D2	TOILET TISSUE DISPENSER (FROM BOTTOM OF GRAB BAR)	1 1/2" MIN CLR	1 1/2" MIN CLR
E	SANITARY NAPKIN DISPOSAL TO TOILET	5"	5"
E1	SANITARY NAPKIN DISPOSAL FROM FLOOR TO TOP	17" - 19"	15" - 18"
F	DISPENSER OR MIRROR TO REFLECTIVE SURFACE	40" MAX	40" MAX
G	LAVATORY/ SINK HEIGHT	34" MAX	34" MAX
G1	LAVATORY APRON CLEARANCE	29" MIN	29" MIN
H	KNEE CLEARANCE	27" MIN	27" MIN
I	URINAL RIM HEIGHT	17" MAX	17" MAX
J	URINAL FLUSH CONTROL HEIGHT	44" MAX	44" MAX
J1	WATER CLOSET FLUSH CONTROL HEIGHT	44" MAX	36" MAX
K	DRINKING FOUNTAIN SPOUT HEIGHT	36" MAX	30" MAX, SIDE APPROACH
L	DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN	27" MIN

NOTES:

1. SOME FIXTURES/ACCESSORIES SHOWN MAY NOT APPLY TO THIS PROJECT.
2. HEIGHTS INDICATED ON INTERIOR ELEVATIONS TAKE PRECEDENCE OVER HEIGHTS SHOWN HERE.
3. FIXTURES/ACCESSORIES SHOWN ARE AT HEIGHTS ACCESSIBLE TO PERSONS WITH DISABILITIES.
4. MOUNTING HEIGHTS FOR ABLE BODIED PERSONS SHALL BE DETERMINED BY RECOMMENDATIONS FROM THE MANUFACTURER, UNLESS NOTED OTHERWISE.
5. WATER CLOSET FLUSH VALVE SHALL BE ORIENTED ON THE APPROACH SIDE OF ACCESSIBLE TOILET.
6. MOUNT GRAB BARS 36" ABOVE FINISHED FLOOR AT TANK TYPE TOILETS. ALLOW 6" CLR TO GRAB BAR.
7. FOR DIMENSIONS INDICATED BY A LETTER REFER TO DETAIL 3 / A1.14

200 - KEYNOTES

201 RELOCATE EXISTING TOILET TISSUE DISPENSER TO COMPLY WITH DETAIL 2/A1.14
202 PROVIDE "U" SHAPE HANDLE EACH SIDE OF EXISTING STALL DOOR
203 RELOCATE EXISTING 36" REAR GRAB BAR TO COMPLY WITH TITLE 24 SECTION 11B-604.5.2
204 REMOVE AND RELOCATE EXISTING PAPER TOWEL DISPENSER TO ACCESSIBLE LOCATION SHOWN. AS PER DETAIL 2/A1.14
205 PROVIDE SOAP DISPENSER. MOUNT PER DETAIL 2/A1.14
206 (E) SOAP DISPENSER TO REMAIN
207 RELOCATE SEAT COVER DISPENSER SLOT HEIGHT TO MAX 40"AFF, PER DETAIL 2/A1.14
209 REMOVE EXISTING LOCKER, PROVIDE CLEAR MANEUVERING SPACE AS PER TITLE 24, SECTION 11B-604.3.2
211 REMOVE EXISTING 5'-0" SHELVE AND RELOCATE, TOP OF SHELVE SHALL BE 48" A.F.F AS PER DETAIL 2/A1.14
212 REVISE CLOSER AT RELOCATABLE DOORS OPERATING PRESSURE TO 5 LBS MAX., TYPICA.
214 VERIFY (E) DOOR SIGNAGE COMPLIES WITH 2013 CBC CODE. RELOCATE OR PROVIDE SIGINAGE PER DETAIL 16/A10.16 (BUILDING 450).

200 LEGEND

INDICATES CLEAR 60" Ø MANEUVERING SPACE

INDICATES CLEAR 30"X48" WHEELCHAIR SPACE

INDICATES CLEAR 60"X56" MANEUVERING SPACE AT WALL HUNG WATER CLOSETS.

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FILE NO. 15-6

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03-117035
AC FLS SS
DATE 10/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	CC
CHK'D BY:	RM
ISSUE DATE:	04/27/2016

SHEET TITLE

EXISTING RESTROOM

SHEET NUMBER

A1.14

CONSTRUCTION DOCUMENTS

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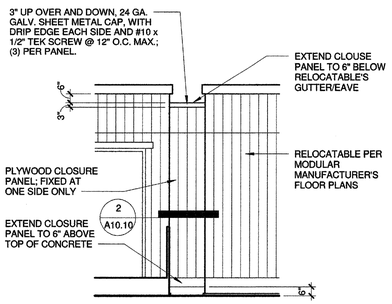
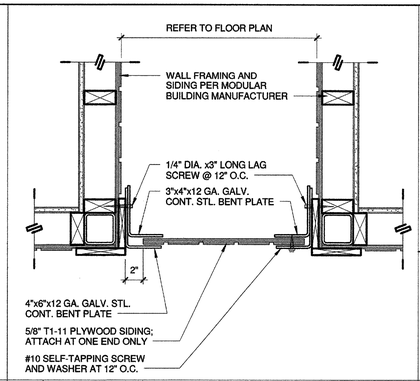
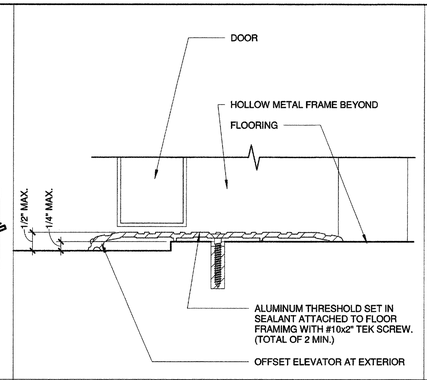


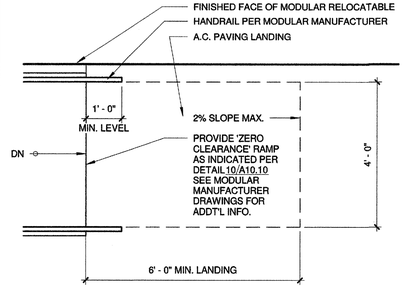
1 CLOSURE PANEL 1/4" = 1'-0"



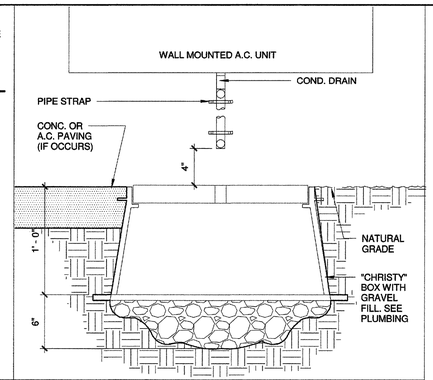
2 PANEL PLAN 1 1/2" = 1'-0"



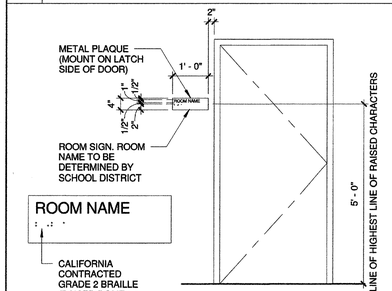
3 THRESHOLD 6" = 1'-0"



4 RAMP LANDING 1/2" = 1'-0"

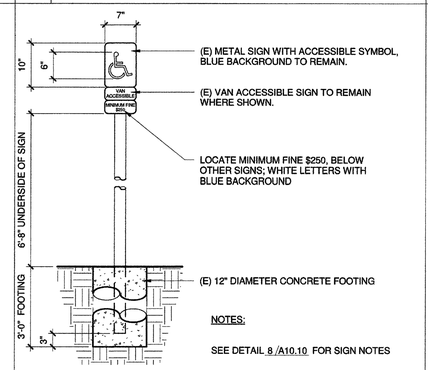


5 DRYWELL 1 1/2" = 1'-0"



NOTE:
REFER TO DETAIL 8 /A10.10
FOR GENERAL NOTES
FOR SIGNAGE.

6 ROOM SIGNAGE 1/2" = 1'-0"



NOTES:

SEE DETAIL 8 /A10.10 FOR SIGN NOTES

7 ACCESSIBLE SIGNAGE 3/4" = 1'-0"

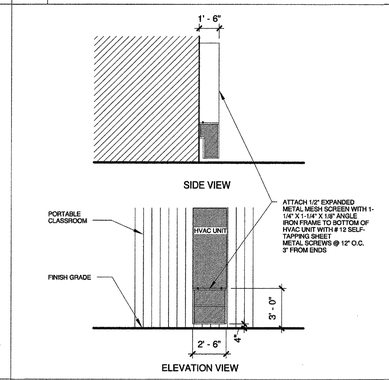
NOTES APPLICABLE TO SIGNAGE DETAIL 7/A10.10

1. ALL SIGN SUBSTRATES SHALL BE 1/8" THICK REFLECTORIZED ALUMINUM.
2. LETTERS AND GRAPHICS SHALL BE SILK SCREENED REFLECTORIZED ALUMINUM.
3. ALL SIGNS SHALL BE MOUNTED WITH TAMPER PROOF SCREWS TO GALVANIZED 2" DIAMETER STANDARD STEEL PIPE. PIPE SHALL BE SHOP PRIMED AND PAINTED WITH TWO (2) COATS OF EXTERIOR ENAMEL.
4. IN LIEU OF TAMPER PROOF SCREWS, SPOT WELDING END OF BOLT AFTER NUT INSTALLATION IS ACCEPTABLE.
5. PROVIDE 3/4" RADIUS AT ALL SIGN CORNERS.
6. SIGNS SHALL BE MOUNTED IN A CONSPICUOUS LOCATION.

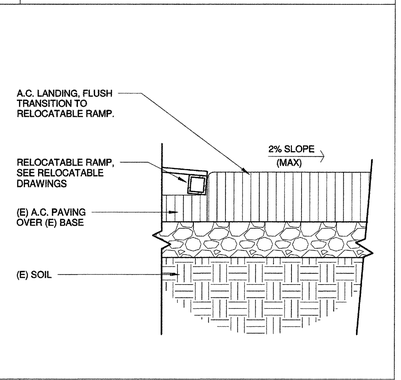
NOTES APPLICABLE TO BLDG SIGNAGE DETAILS 6/A10.10

1. ALL SYMBOLS AND LETTERS TO BE RAISED 1/32" ABOVE SIGN/PLAQUE SURFACE TYP. (U.O.N.)AND SHALL BE AN INTEGRAL PART OF THE SIGN.
2. CONTRAST BETWEEN SYMBOLS, LETTERS, CHARACTERS AND BACKGROUND MUST BE 70% MIN.
3. ALL SIGNS TO HAVE A COLOR WHICH CONTRAST 70% MIN. WITH DOOR COLOR.
4. ALL PLAQUES TO HAVE A COLOR WHICH CONTRASTS WITH THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
5. REFER TO ABOVE DETAIL'ACCESSIBILITY SIGN(S) LOCATION AND ELEVATION' FOR SIGN/PLAQUE LOCATION INFORMATION.
6. CALIFORNIA GRADE 2 BRAILLE DOTS SHALL BE 1/10" (2.54mm) ON CENTERS IN EACH CELL WITH 2/10" (5.08 mm) SPACE BETWEEN CELLS DOMES DOTS SHALL BE RAISED A MIN. OF 1/40" (0.635 mm) ABOVE THE BACKGROUND.
7. ALL SIGNS AND IDENTIFICATION SHALL COMPLY WITH TITLE 24, SECTION 1117B.5 THRU 1117B.5.10.

8 SIGNAGE NOTES 1/8" = 1'-0"



9 MESH SCREEN 3/16" = 1'-0"

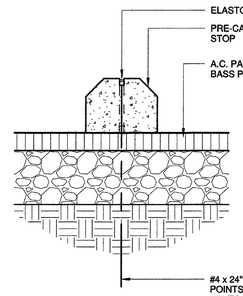


10 A.C. TO RAMP 1 1/2" = 1'-0"

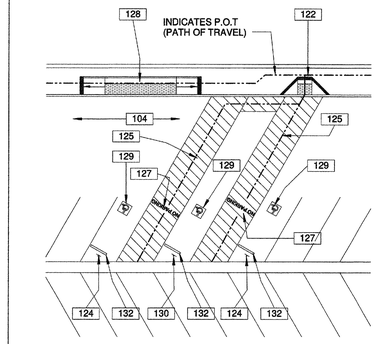
100 - KEYNOTES

104 (E) ASPHALT PAVING TO REMAIN.
122 (E) CURB RAMP, COMPLIANT WITH TITLE 24 SECTION 11B-406 TO REMAIN.
124 (E) ACCESSIBLE PARKING SIGNS, TO REMAIN. PROVIDE "MIN. FINE $250" SIGNS PER DETAIL 7/A10.10.
125 (E) 4" WIDE BLUE COLOR HATCH AND PERIMETER LINES AS SHOWN, TO REMAIN.
127 PAINT 12" HIGH "NO PARKING" TEXT AT AISLE AS SHOWN.
128 (E) PARALLEL CURB RAMP COMPLYING WITH TITLE 24 SECTION 11B-406 TO REMAIN.
129 (E) 36"X36" INTERNATIONAL SYMBOL OF ACCESSIBILITY TO REMAIN.
130 (E) "VAN" IDENTIFICATION SIGN TO REMAIN, ADD "$250 FINE" TEXT PER DETAIL 7/A10.10.
132 ADD WHEEL STOP, PER DETAIL 11/A10.10.

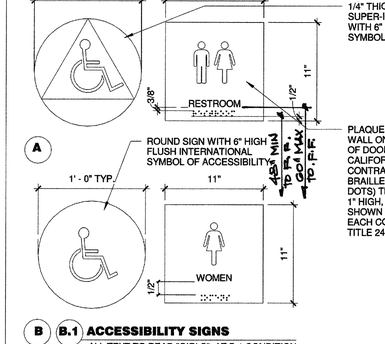
NOTES:
1.REFER TO DETAILS 13,14 & 15 THIS SHEET, FOR PARKING SPACES RELATED VIEWS.
2.EXISTING ACCESSIBLE PARKING APPROVED UNDER DSA A# 03-108679

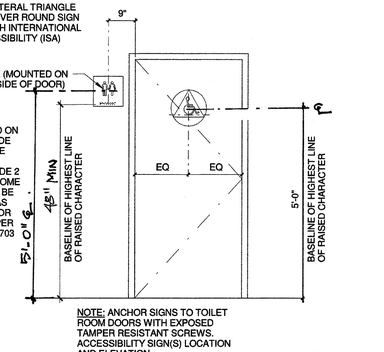


11 WHEELSTOP 1 1/2" = 1'-0"



12 ENLARGED (E) PARKING 1" = 20'-0"





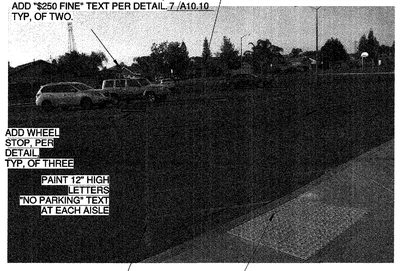
NOTE: ANCHOR SIGNS TO TOILET ROOM DOORS WITH EXPOSED TAMPER RESISTANT SCREWS. ACCESSIBILITY SIGN(S) LOCATION AND ELEVATION.

1/2" = 1'-0"

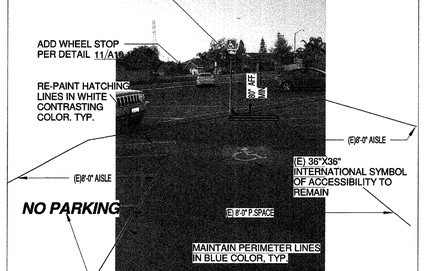
GENERAL NOTES

1. ALL SYMBOLS AND LETTERS TO BE RAISED 1/32" ABOVE SIGN/PLAQUE SURFACE TYP. (U.O.N.)AND SHALL BE AN INTEGRAL PART OF THE SIGN.
2. CONTRAST BETWEEN SYMBOLS, LETTERS, CHARACTERS AND BACKGROUND MUST BE 70% MIN.
3. ALL SIGNS TO HAVE A COLOR WHICH CONTRAST 70% MIN. WITH DOOR COLOR.
4. ALL PLAQUES TO HAVE A COLOR WHICH CONTRASTS WITH THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.
5. REFER TO SIGN 'A' THIS DETAIL FOR TYPICAL DIMENSIONS AND NOTES.
6. REFER TO ABOVE DETAIL'ACCESSIBILITY SIGN(S) LOCATION AND ELEVATION' FOR SIGN/PLAQUE LOCATION INFORMATION.
7. CALIFORNIA GRADE 2 BRAILLE DOTS SHALL BE 1/10" (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10" (5.08 mm) SPACE BETWEEN CELLS DOMES DOTS SHALL BE RAISED A MIN. OF 1/40" (0.635 mm) ABOVE THE BACKGROUND.
8. ALL SIGNS AND IDENTIFICATION SHALL COMPLY WITH TITLE 24, SECTION 11B-703
9. WHERE GLAZING OCCURS ADJACENT TO STRIKE SIDE OF DOOR, PROVIDE ADHERE SIGN TO GLAZING.
10. AT DOOR PAIRS, PLACE TACTILE ROOM ID AND EXIT SIGNS TO RIGHT OF DOORS.

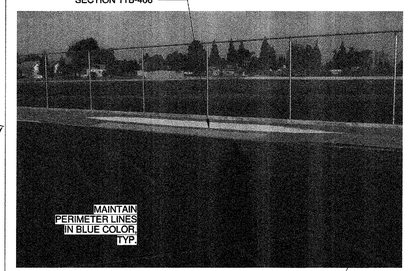
16 ACCESSIBLE SIGNAGE 1 1/2" = 1'-0"



13 (E) ACCESS PARKING N.T.S



14 (E) VAN SPACE N.T.S



15 (E) PARALLEL RAMP N.T.S

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NO. C18079
REN. 10/17

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OFFICE OF REGULATION SERVICES
03-117035
AC KL FLS — SS 84
DATE 6/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD CITY SCHOOL DISTRICT — Where The Child Comes First

CHIPMAN JR. HIGH SCHOOL RELOCATABLES (2)

2905 EISSLER ST
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	AJB
CHK'D BY:	RM
ISSUE DATE:	04/27/2016

SHEET TITLE

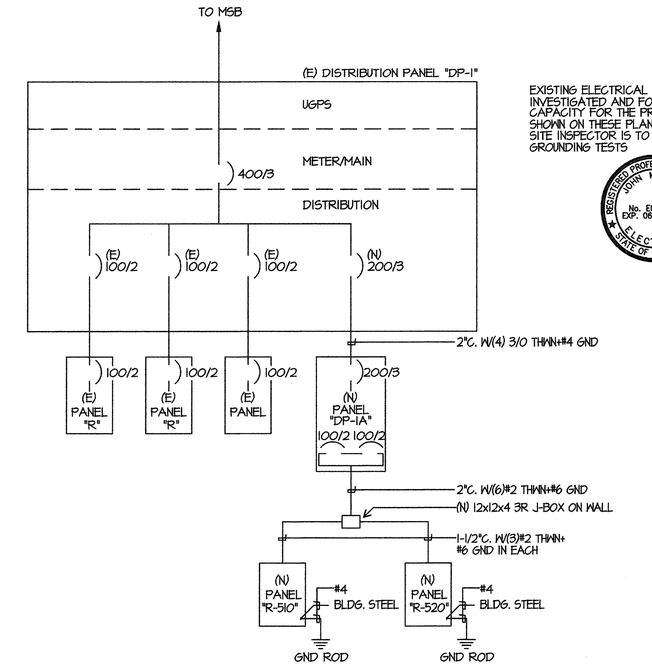
DETAILS

SHEET NUMBER

A10.10

CONSTRUCTION DOCUMENTS

PLOT DATE: 4/22/2016 10:19:29 AM J:\14146_BC_ChipReloc\5.9 Drawings\09arch\current\ATW-14146_site_Chipman.rvt



EXISTING ELECTRICAL SERVICES HAS BEEN INVESTIGATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOWN ON THESE PLANS
SITE INSPECTOR IS TO WITNESS AND VERIFY GROUNDING TESTS

REGISTERED PROFESSIONAL ENGINEER JOHN MALONEY No. E013083 EXP. 08/30/2017 ELECTRICAL STATE OF CALIFORNIA

SINGLE LINE DIAGRAM (A)

GENERAL NOTES

1. VISIT JOB SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. THE ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL ORDINANCES. WHERE PLANS CALL FOR A HIGHER STANDARD THAN APPLICABLE CODES, THE PLANS SHALL GOVERN.
3. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS.
4. ALL ELECTRICAL EQUIPMENT, APPLIANCES AND LIGHTING FIXTURES SHALL BE LISTED BY A RECOGNIZED TEST LAB AND BEAR THAT LABEL OF APPROVAL.
5. CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIAL AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
6. FURNISH DISCONNECT SWITCHES AT REMOTE MOTORS.
7. ALL SPACES AS INDICATED ON PANELS OR SWITCHBOARD SHALL BE COMPLETE WITH HARDWARE AND BUSSING FOR FUTURE BREAKER OR SWITCH.
8. CHECK ARCHITECTURAL PLANS FOR DOOR SWINGS BEFORE INSTALLING SWITCH OUTLETS.
9. GROUNDING AND BONDING SHALL BE PER CODE PLUS ANY ADDITIONAL PROVISIONS SPECIFIED OR SHOWN ON DRAWINGS.
10. ALL CONDUIT RUNS SHALL CONTAIN A CODE SIZED GROUND CONDUCTOR.
11. THESE PLANS ARE NOT COMPLETE UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL CONDUCTORS SHALL BE IN CONDUIT.
13. ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN INSULATION.
14. CURRENT CALIFORNIA BUILDING CODE ACCESS COMPLIANT MOUNTING HEIGHTS APPLY ONLY TO NEW OR RELOCATED ELECTRICAL SWITCHES, OUTLETS, PUSH BUTTONS ETC.. THEY SHALL COMPLY WITH CALIFORNIA BUILDING CODE 1117B.6.
15. COORDINATE WITH SERVING ELECTRICAL UTILITY COMPANY AND MAKE PROVISIONS FOR ELECTRICAL SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND UTILITY COMPANY CHARGES IN BID.
16. COORDINATE WITH SERVING TELEPHONE UTILITY COMPANY AND MAKE PROVISIONS FOR TELEPHONE SERVICE ACCORDINGLY. INCLUDE ALL SERVICE COSTS AND ANY UTILITY COMPANY CHARGES I BID.
17. ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY CONTRACTOR.

(N) PANEL "R-520"

SERVICE: 120/208V 1Φ 3W | MAIN BKR.: 100 AMP | BUS: 100 A | LOC.: SEE PLAN
SQ. D LOAD CENTER 16 CIRCUIT | MTG.: FLUSH

REMARKS	LOAD ΦA	LOAD ΦB	LOAD ΦC	REC	LTG	MISC	POLE	TRIP	CIRC	CIRC	TRIP	POLE	REC	LTG	MISC	LOAD ΦA	LOAD ΦB	LOAD ΦC	REMARKS
RECEPTACLES							1	20	1	2	20	1							LIGHTS
							1	20	3	4	20	1							LIGHTS
							1	20	5	6	20	1							HVAC
							1	20	7	8	20	1							
SPACE									9	*10	20	1							(N)F.A. BOOSTER PANEL
									11	**12									(N) IDF
									13	14									
									15	16									
									17	18									
									19	20									
									21	22									
									23	24									
									25	26									
									27	28									
									29	30									
									31	32									
									33	34									
									35	36									
									37	38									
									39	40									
									41	42									
TOTAL WATTS=		ΦA=															ΦB=		ΦC=

AMPS= | MINIMUM BKR A.I.C. RATING= 10,000 AMPS SYM

* PROVIDE NEW 20/1 BREAKER WITH RED HANDLE AND LOCK ON DEVICE
** PROVIDE NEW 20/1 BREAKER

SYMBOLS

- CONDUIT EXISTING
- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT CONCEALED UNDER FLOOR OR BELOW GRADE
- CONDUIT STUBBED OUT AND CAPPED
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- HATCH MARKS INDICATE NO. OF #12 WIRES IN CODE SIZED CONDUIT IN 3/4" C. (3) MAX. IN 1"C., NO MARKS = 2#12
- A-3 HOME RUN: LETTER INDICATES PANEL, NUMBER(S) INDICATES CIRCUIT(S).
- SAWCUT
- GROUND CONNECTION
- DISTRIBUTION SWITCHBOARD OR PANEL
- PANEL, BRANCH CIRCUIT TYPE, SURFACE AND FLUSH
- SIGNAL TERMINAL CABINET, SURFACE & FLUSH
- FLUORESCENT FIXTURE
- OUTLET DATA: BAR INDICATES WALL MOUNT, LETTER INDICATES SWITCH CONTROL, NO. INDICATES CIRCUIT.
- SURFACE FIXTURE ON FLUSH OUTLET.
- RECESSED FIXTURE WITH JUNCTION BOX FOR THRU WIRING
- EXIT LIGHT WITH ARROWS AS SHOWN ON PLANS, WALL AND CEILING MOUNT.
- EXTERIOR WALL MOUNT FIXTURE
- LOW LEVEL EXIT SIGN, 4" AFF, 4" FROM DOOR JAMB
- A/100 LIGHT FIXTURE DESIGNATION, LETTER INDICATES TYPE, NO. INDICATES WATTAGE. SEE FIXTURE SCHEDULE.
- FC/1 MECHANICAL EQUIPMENT DESIGNATION. SEE MECHANICAL DRAWINGS.
- SPECIAL RECEPTACLE - SEE PLAN
- METER
- FLUSH FLOOR RECEPTACLE
- RECEPTACLE, DUPLEX, 15A, 125V, NEMA 5-15R +18" U.N.O.
- DUPLEX RECEPTACLE MTD. ABOVE BACKSPLASH+42" U.N.O.
- DUPLEX RECEPTACLE W/LOWER HALF SWITCHED +18" U.N.O.
- GFI GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE 18" U.N.O.
- DOUBLE DUPLEX RECEPTACLE +18" U.N.O.
- CEILING RECEPTACLE
- RECEPTACLE, DUPLEX, 20A, 125V, NEMA 5-20R +18" U.N.O.
- JUNCTION BOX 4" SQUARE, 1-1/2" DEEP U.N.O.
- T THERMOSTAT F.B.O. +48"
- 2 MOTOR, NO. INDICATES HORSEPOWER
- CLOCK OUTLET +7'-6" U.N.O.
- DISCONNECT SWITCH, NON-FUSED
- F DISCONNECT SWITCH FUSED HORSEPOWER RATED OR SIZED AS NOTED
- COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH AND FUSES
- MAGNETIC MOTOR STARTER W/OVERLOADS IN EACH PHASE
- D DIMMER W/INTEGRAL "ON-OFF" SW. +48" U.N.O.
- PUSHBUTTON +48" U.N.O.
- PC PHOTOCELL
- SD SMOKE DETECTOR
- AP WIRELESS ACCESS POINT
- TELEPHONE/COMPUTER/DATA OUTLET, TWO GANG BOX W/1 GANG COVERPLATE & GROMMETED OPENING +18" U.N.O.
- CABLE TV OUTLET +18" U.N.O.
- M MOTION SENSOR
- AP ACCESS POINT WIRELESS
- CAMERA
- $ EXISTING SWITCH
- S SINGLE POLE SWITCH
- ^{2} DOUBLE POLE SWITCH
- ^{3} THREE WAY SWITCH
- ^{P} SWITCH W/PILOT LT.
- ^{M} MANUAL MOTOR STARTER

(QUIET TOGGLE TYPE RATED AT 20A 120/277V A.C. +48" U.N.O.)

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

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

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REGISTERED PROFESSIONAL ENGINEER JOHN MALONEY No. E013083 EXP. 08/30/2017 ELECTRICAL STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL (2) RELOCATABLES

2905 EISSLER STREET
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	AC
[redacted]	KT
ISSUE DATE:	04/27/2016

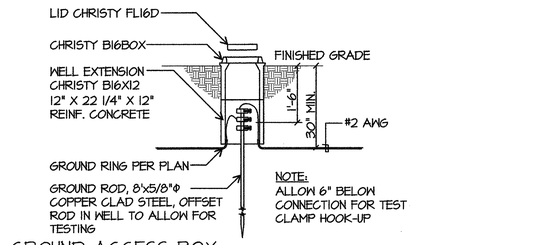
SHEET TITLE

SYMBOL LIST
GENERAL NOTES
SINGLE LINE DIAGRAM

SHEET NUMBER

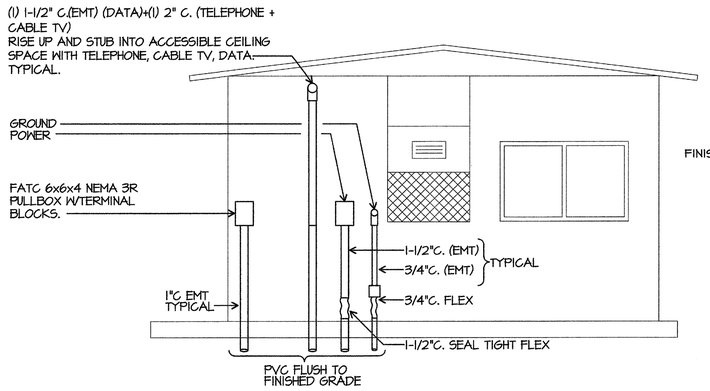
E-0

PLOT DATE: 7/10/2013 7:43:02 AM J:\13128_BC_Nichols\S.9 Drawings\Search\current\ATWaite-2013-06-11.rvt



GROUND ACCESS BOX — A

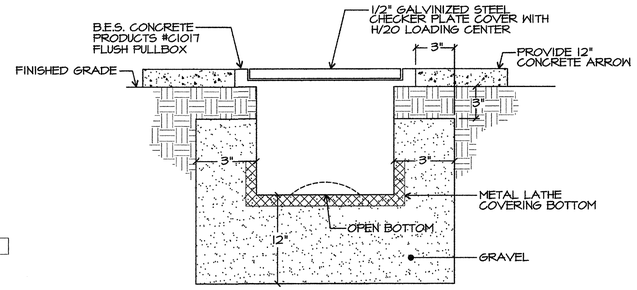
SCALE: NONE



ELEVATION AT REAR OF PORTABLE — D

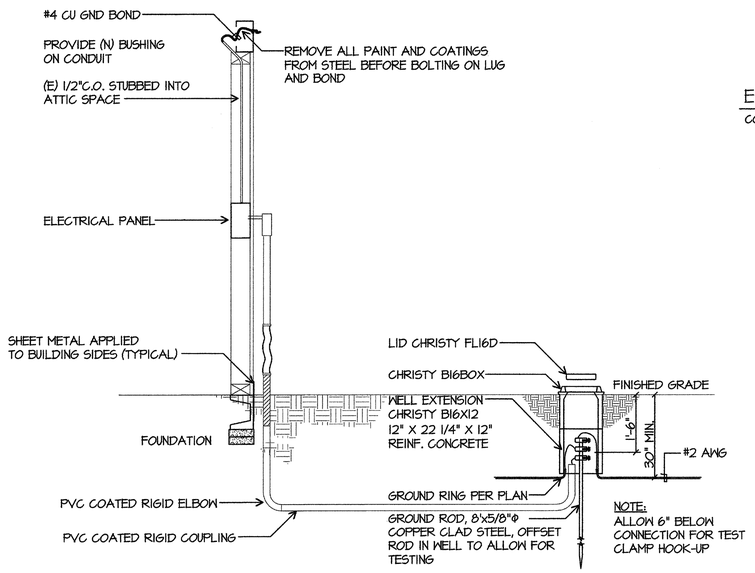
CONCRETE FOUNDATION

SCALE: NONE



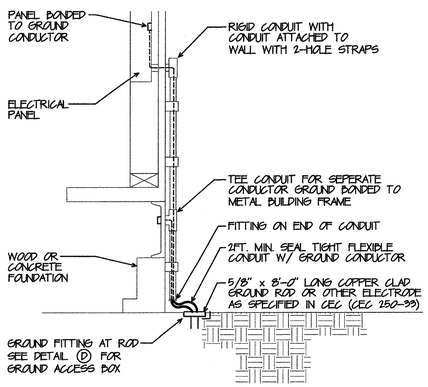
FLUSH PULLBOX DETAIL — E

SCALE: NONE



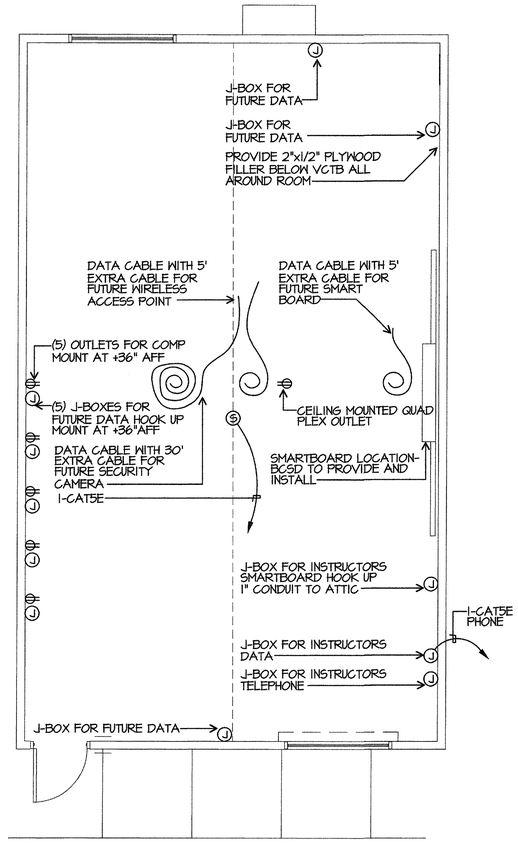
TYPICAL TRAILER STEEL FRAME BONDING/GROUNDING DETAIL — B

SCALE: NONE



TYPICAL PORTABLE GROUNDING — C

SCALE: NONE



TYPICAL PERMANENT PORTABLE CLASSROOM — F

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

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CHIPMAN JR. HIGH SCHOOL (2) RELOCATABLES

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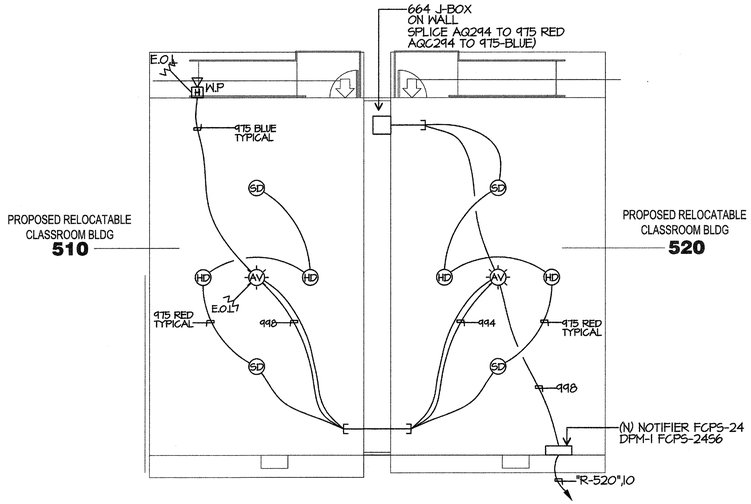
E-0.1

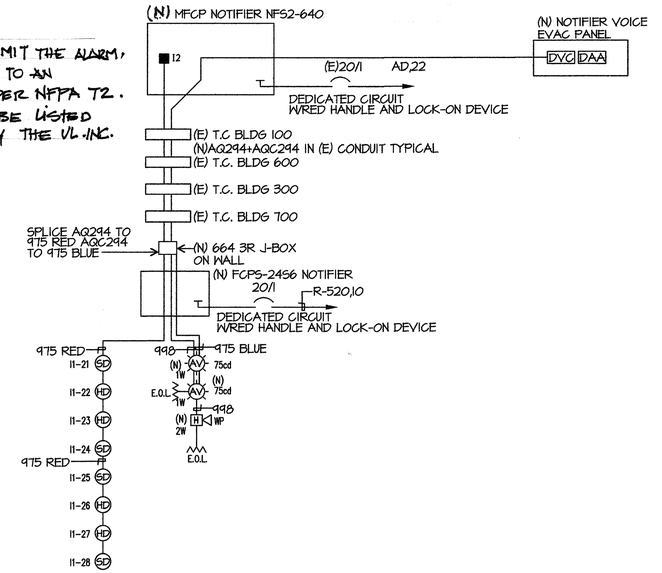
PLOT DATE: 7/10/2013 7:43:02 AM J:\13128_BC_Nichols\5.9 Drawings\Src\arch\ATWsite-2013-06-11.rvt



FIRE ALARM TYPICAL PORTABLE PLAN (B)

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

2013 CBC SECTION 907.6.5.3
FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION PER NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY THE UL INC.



FIRE ALARM RISER DIAGRAM (A)

SCALE: NONE

FA SYMBOL LIST MATRIX

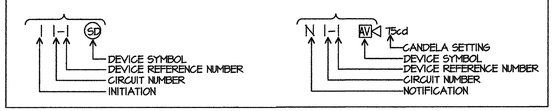
SYMBOL	DEVICE	MFR & CAT N.	REMARKS	CSFM LISTING
(SD)	SMOKE DETECTOR	NOTIFIER FSP-851	PROVIDE BASE B210 LP ON 4"SQ. DEEP BOX	7272-0028:0206
(AV)	SPEAKER/STROBE	NOTIFIER SPSR	PROVIDE 4"SQ. DEEP BOX	7320-1653:201
H WP	EXTERIOR HORN	NOTIFIER SPRK	PROVIDE MABB >46"	7320-1653:201
	STROBE	NOTIFIER SR	PROVIDE 4" SQ. DEEP BOX	7125-1653:186
(HD)	HEAT DETECTOR (IN ATTIC SPACE)	NOTIFIER FST-851	PROVIDE BASE B210 LP ON 4"SQ. DEEP BOX	7270-0028:0196
▬	(N)MAIN FIRE ALARM PANEL	NOTIFIER NFS2-640	PROVIDE (2) DEDICATED PHONE LINES	7165-0028:0243
DPM	NAC POWER	NOTIFIER FCPS-2456		7315-0028:0225
DVC	DIGITAL VOICE COMMAND	NOTIFIER DVC-EM	SURFACE MOUNT	7165-0028:0224
DAA	DIGITAL AUDIO AMP	NOTIFIER DAA-5025	PART OF DVC	7165-0028:0224
	END OF LINE RESISTOR			
	AQ294 CABLE	WEST PENN		7161-0859:0101
	AQC294 CABLE	WEST PENN		7161-0859:0101

FIRE ALARM SEQUENCE OF OPERATION

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

DEVICE NUMBERING LEGEND

DEVICE ADDRESS:



VOLTAGE DROP CALCULATIONS

CIRCUIT	2x	LENGTH x	AMPS x	RESISTANCE x	= VOLTS	VOLTAGE DROP
N5	2	100	0.354	0.00205	0.145	0.60 %

FIRE ALARM BATTERY CALCULATION DPM-2

HOCHIKI FN-642-ULADA

EQUIPMENT DESCRIPTION		QUANTITY EXISTING	QUANTITY NEW	SUPERVISORY CURRENT (AMPERES) EACH	SUPERVISORY CURRENT (AMPERES) SUB-TOTAL	ALARM CURRENT (AMPERES) EACH	ALARM CURRENT (AMPERES) SUB-TOTAL
DISTRIBUTED POWER MODULE		0	1	0.09	0.09	0.175	0.175
FCM-1		0	1	0.0003	0.0003	0.0003	0.0003
		0	0		0	0	0
HORNS		0	1	0	0	0.062	0.062
AUDIBLE/VISUALS	15 cd	0		0	0	0.168	0
AUDIBLE/VISUALS	15/75 cd	0		0	0		0
AUDIBLE/VISUALS	30 cd	0		0	0		0
AUDIBLE/VISUALS	75 cd	0	0	0	0	0	0
AUDIBLE/VISUALS	110 cd	0	0	0	0	0	0
	15cd	0	0	0	0	0	0
VISUALS	30 cd	0	0	0	0	0	0
VISUALS	75 cd		2		0	0.121	0.242
VISUALS	110 cd	0	0	0	0	0	0
SUB TOTAL AMPERES				0.0903 AMPS		0.4793 AMPS	
				x 24 HOURS		x 0.084 HOURS	
SUB TOTAL AMPERE-HOURS				2.1672	A.H.	0.040261	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE						2.207461	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR						x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED						2.648953	A.H.
PROVIDED BATTERY CAPACITY						7.00	A.H.

(N) FIRE ALARM BATTERY CALCULATION NFS-640

EQUIPMENT DESCRIPTION		QUANTITY EXISTING	QUANTITY NEW	SUPERVISORY CURRENT (AMPERES) EACH	SUPERVISORY CURRENT (AMPERES) SUB-TOTAL	ALARM CURRENT (AMPERES) EACH	ALARM CURRENT (AMPERES) SUB-TOTAL
FIRE ALARM PANEL		1	0	0.1	0.1	0.1	0.1
DIGITAL ALARM COMMUNICATOR		1	0	0.02	0.02	0.02	0.02
SUPERVISED OUTPUT MODULE				0.00022	0	0.0003	0
				0	0.0121	0	0.176
SMOKE DETECTOR		5	4	0.00039	0.00936	0.00039	0.00936
HEAT DETECTOR		3	4	0.00035	0.0077	0.00035	0.0077
HORNS		8	0		0	0.062	0.124
AUDIBLE/VISUALS	75 cd	18	0		0	0.121	1.21
AUDIBLE/VISUALS	15 cd	21			0	0.052	1.092
SUB TOTAL AMPERES				0.14916	AMPS	2.73906	AMPS
				x 24 HOURS		x 0.084 HOURS	
SUB TOTAL AMPERE-HOURS				3.57984	A.H.	0.230081	A.H.
TOTAL REQUIRED AMPERE-HOURS FOR DISTRIBUTED POWER MODULE						3.809921	A.H.
BATTERY NON-LINEAR DISCHARGE CHARACTERISTIC FACTOR						x 1.2	
TOTAL MINIMUM AMPERE HOURS REQUIRED						4.571905	A.H.
BATTERY AH SUPPLIED (NEW)						27.00	A.H.

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email : maloney@jmpe.net
www.jmpe.net
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AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035
AC — FLS 4 SS 84
DATE 10/28/2016

BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL (2) RELOCATABLES

2905 EISSLER STREET
BAKERSFIELD, CA 93306

OPSC or OSHPD PROJ. NO:	
PROJECT NO:	14146.000
DRAWN BY:	AC
[redacted]	KT
ISSUE DATE:	04/27/2016

SHEET TITLE

FIRE ALARM RISER CALCULATIONS

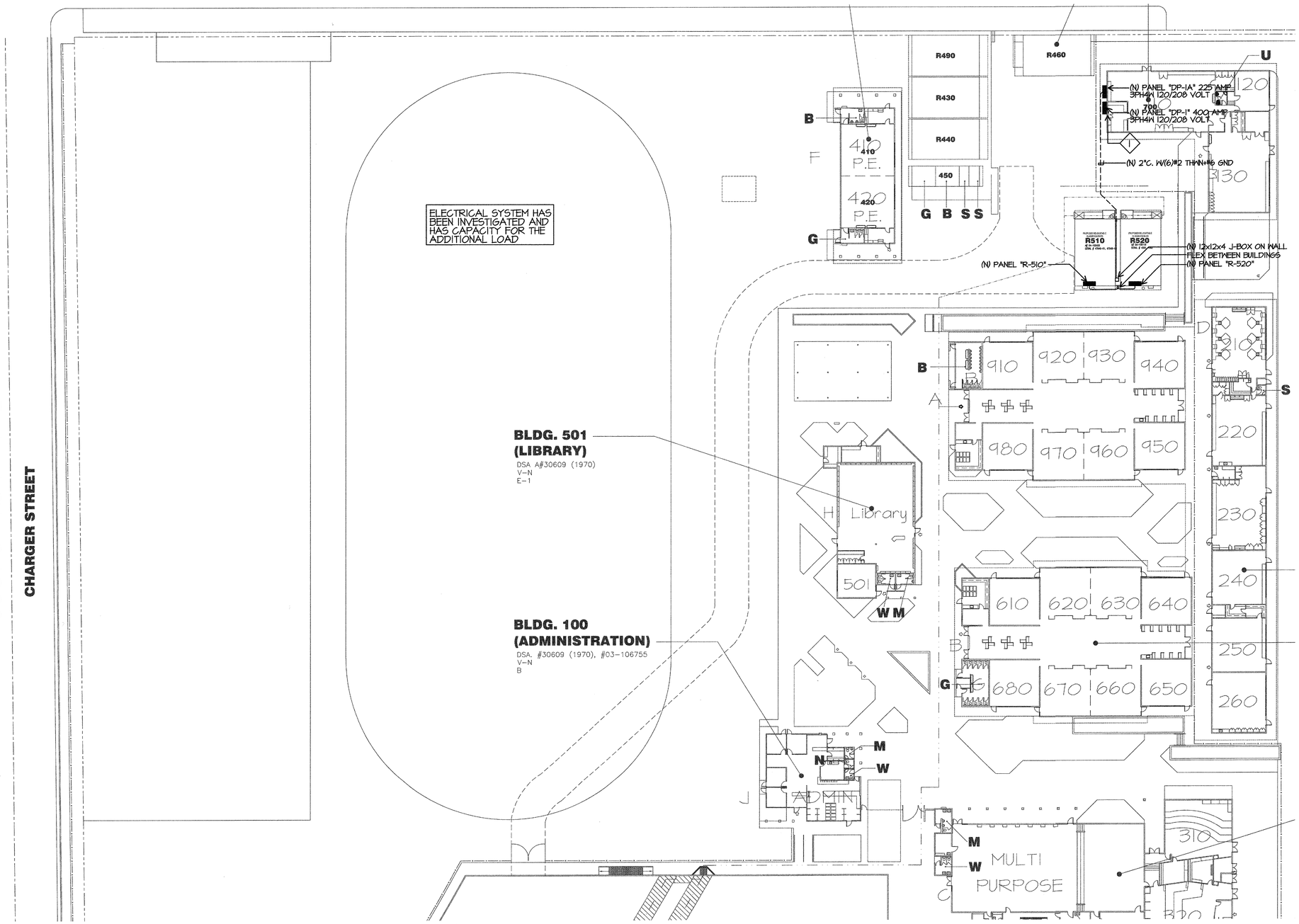
SHEET NUMBER

E-0.2

J:\13128_BC_Nichols\5.0 Drawings\5Sarch\current\ATWsite-2013-06-11.rvt
PLOT DATE: 7/10/2013 7:43:02 AM

ELECTRICAL PARTIAL SITE PLAN NOTES

1. CONTRACTOR SHALL PROVIDE NEW 200/3 BREAKER IN EXISTING DP-1



ELECTRICAL PARTIAL SITE PLAN

SCALE: 1"=30'-0"

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IBI ARCHITECTURE PLANNING
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San Luis Obispo, CA 93401
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BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL (2) RELOCATABLES

2905 EISSLER STREET
BAKERSFIELD, CA 93306

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ISSUE DATE:	04/27/2016

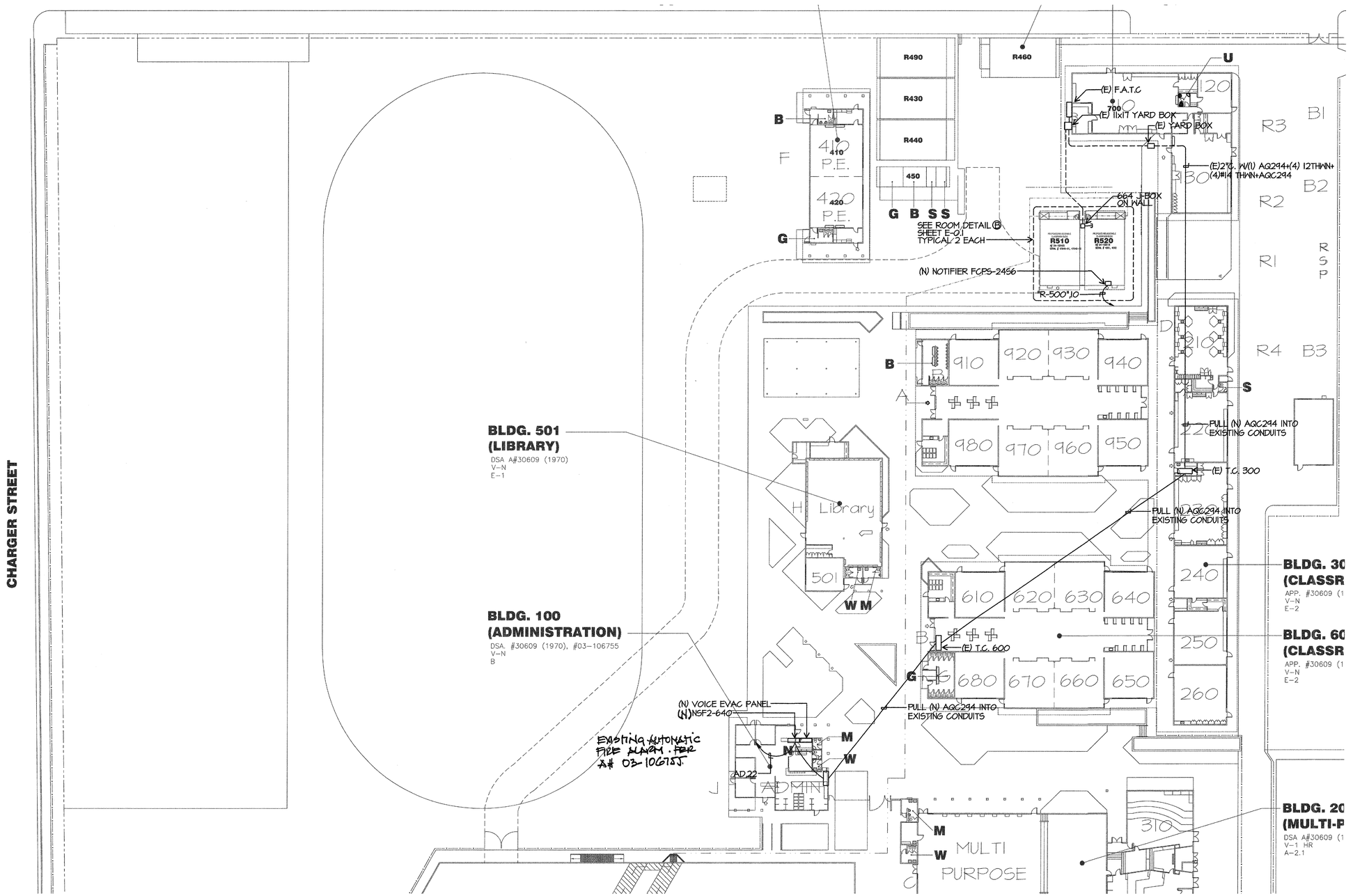
SHEET TITLE

ELECTRICAL PARTIAL SITE PLAN

SHEET NUMBER

E-1

PLOT DATE: 7/10/2013 7:43:02 AM J:\13128_BC_Nichols\5.9 Drawings\5Sarch\current\ATWalls-2013-06-11.rvt



FIRE ALARM PARTIAL SITE PLAN

SCALE:1"=30'-0"

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BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL (2) RELOCATABLES

2905 EISSLER STREET
BAKERSFIELD, CA 93306

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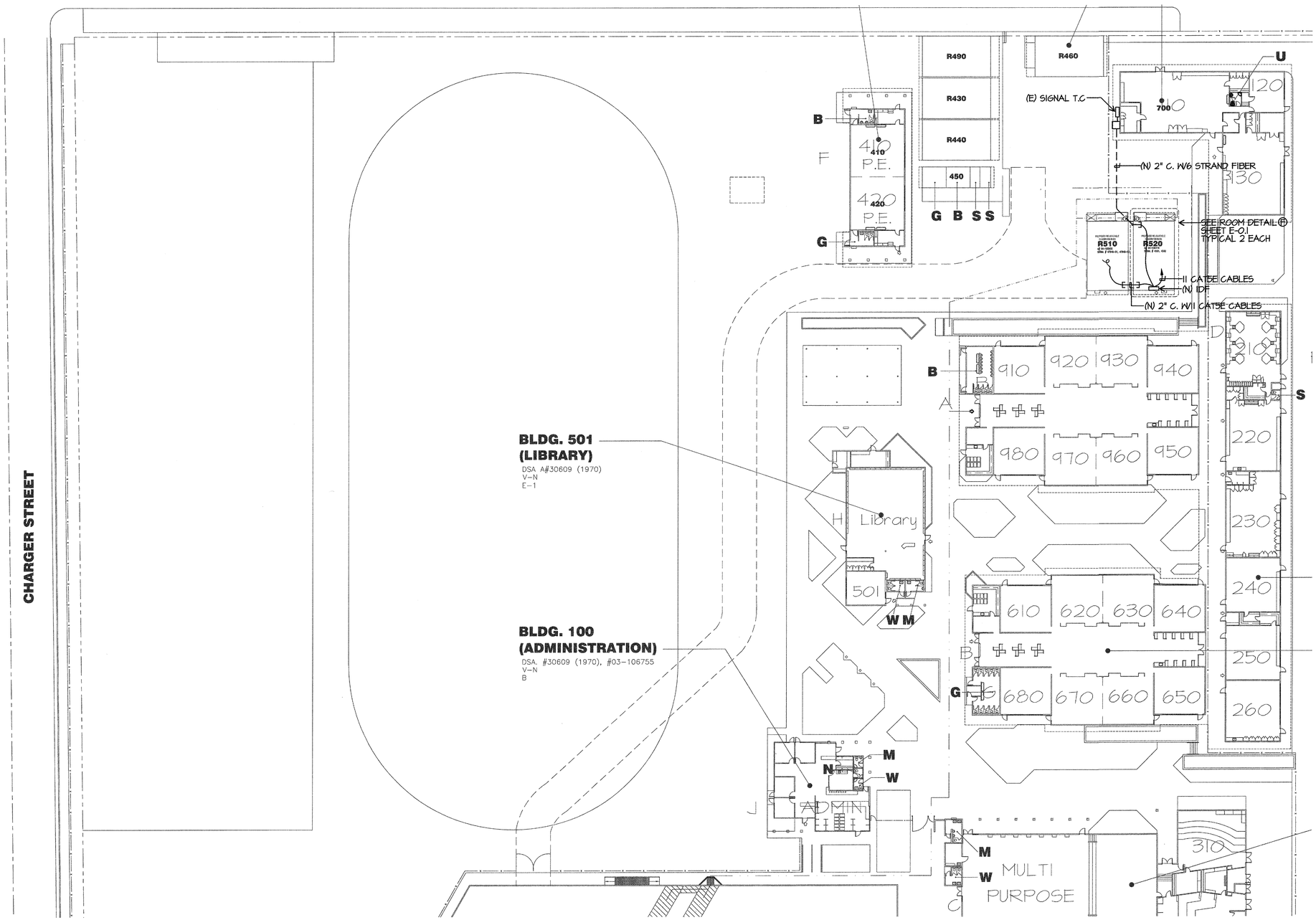
SHEET TITLE

FIRE ALARM PARTIAL SITE PLAN

SHEET NUMBER

E-2

PLOT DATE: 7/10/2013 7:43:02 AM J:\13128_BC_Nichols\5.9 Drawings\99arch\current\ATWelte-2013-06-11.rvt



DATA/COMM. PARTIAL SITE PLAN

SCALE: 1"=30'-0"

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REN. 10/17
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EXP. 08/30/2017
ELECTRICAL
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

CHIPMAN JR. HIGH SCHOOL (2) RELOCATABLES

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BAKERSFIELD, CA 93306

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PROJECT NO:	14146.000
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ISSUE DATE:	04/27/2016

SHEET TITLE

DATA/COMM. PARTIAL SITE PLAN

SHEET NUMBER

E-3

PLOT DATE: 7/10/2013 7:43:02 AM J:\13128_BC_Nichols\5.9 Drawings\5Sarch\current\ATWalte-2013-06-11.rvt

JOB# 4736

MODULAR CLASSROOM BUILDING

FOR WILLIAMS SCOTSMAN

BUILDING SIZE: 24'x40'(50 UNITS)

STOCKPILE

PC-04-104796

DGS State of California • Department of General Services • Gray Davis, Governor
DIVISION OF THE STATE ARCHITECT
Headquarters• 1130 K Street, Suite 101 • Sacramento, CA 95814 • (916) 445-8100

STRUCTURAL TESTS AND INSPECTIONS

Testing Laboratory: | Date: | File Number:
Name: | Application Number:
District Code:
Architect:
Structural Engineer:

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

	Concrete	Gunite	Grout	Mortar	
COMPACTED FILL					Test of aggregates for mix design only
☐ Fill material, acceptance tests					Suitability tests of aggregates as detailed below
☐ Compaction control, continuous					Mix designs
☐ Compaction tests only as ordered					Continuous batch plant inspection
☐ Bearing capacity of compacted fill					Inspect placing
REINFORCING STEEL					Sample
☐ Sample and test bar steel					Compression tests
☐ Sample and test mesh					Pick up samples at job
☐ Inspect placing at job					Samples delivered to laboratory
STRUCTURAL STEEL					Deliver sample forms to job site
☒ Sample and test as detailed below					Sample and test cement
☒ Shop fabrication inspection					
☐ Field erection inspection					
☒ Inspection of welds - Shop					
☐ Inspection of welds - Field					
☐ Inspection of riveting or bolting - Shop					
☐ Inspection of riveting or bolting - Field					
☐ Sample and test high strength bolts and washers					
MASONRY					
☐ Sample and test					
☐ Test only					
☐ Inspection of placing					
☐ Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
☐ Fabrication inspection					
☐ Sample and test steel accessories					
☐ Inspect fabrication of steel accessories					

Suitability Tests	Concrete	Gunite	Grout	Mortar
☐ Sodium sulphate				
☐ Structural strength				
☐ Los Angeles rattler				
☐ Clay (Hydrometer method)				
☐ Reactivity tests				
☐ Volume change				

Mix designs: Concrete, Gunite, Mortar, or Grout

Material	Maximum Size	Compressive Strength, PSI, Minimum					

List of structural steel members to be tested:
ALL UNIDENTIFIED STEEL PER CBC CHAPTER 22A(MILL CERTS)

Is this list continued on reverse? ☐ YES ☐ NO

Other tests and inspections, together with special instructions:

Copies of reports to: OPSC, AOR

Are these instructions continued on reverse? ☐ YES ☐ NO

By: _____ Authorized Representative

DSA 103-1 (Revised 6/00)

(Old 101419)

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04 10 34
AC FLS SS
DATE JUL 10 2003
ACS: Xavier Orozco, Mackinnon, LLP

PC
CBC 2001

NOTES

SECTION 2213A.4.1 OF THE 2001 CBC
ALL WELDS IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT MINUS 20 DEGREES F.

BUILDING DATA

STRUCTURAL DESIGN: ORDINARY MOMENT RESISTANT FRAME
TYPE OF CONSTRUCTION: V-N
WIND LOAD (EXP C): 80 MPH
SEISMIC ZONE 4, SEISMIC SOURCE TYPE A, DISTANCE ≤1.25 MILES

Z = .4	I = 1.0	Cv = 1.28	Nv = 2.0
R = 4.5	Ca = 0.66	Na = 1.5	SOIL TYPE = S_D

FLOOR LIVE LOAD: 50 PSF
ROOF LIVE LOAD: 20 PSF
OCCUPANCY: 24'x40' CLASSROOM: E-2
BUILDING AREA: 24'x40' BUILDING - 960 SF
-COMPLIES WITH CLIMATE ZONES 1-15
THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.

APPLICABLE CODES

2001 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, 2, AND 3 (PART 2, TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA ELECTRICAL CODE (CEC), (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)
2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

LEGEND

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

ABBREVIATIONS

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

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

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SHEET INDEX

ARCHITECTURAL

A.0 TITLE SHEET
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A1.1 FLOOR PLAN
~~[redacted]~~
~~A2.01 REFLECTED CEILING PLAN (8 LIGHTS)~~
~~A2.02 REFLECTED CEILING PLAN (10 LIGHTS)~~
~~A2.03 REFLECTED CEILING PLAN (12 LIGHTS)~~
A2.04 REFLECTED CEILING PLAN (12 LIGHTS)
A2.09 REFLECTED CEILING DETAILS
A3.01 ROOF PLAN 22 GA.
~~A3.02 ROOF PLAN 22 GA.~~
A3.03 ROOF DETAILS
A4.01 EXTERIOR ELEVATIONS (DUAL PITCH) W/ FASCIA
~~A4.02 EXTERIOR ELEVATIONS (DUAL PITCH) W/O FASCIA~~
A4.03 ARCHITECTURAL DETAILS (WOOD STUDS)
~~A4.03M ARCHITECTURAL DETAILS (METAL STUDS)~~
~~A4.04 ARCHITECTURAL DETAILS (WOOD STUDS)~~
~~A4.04M ARCHITECTURAL DETAILS (METAL STUDS)~~
~~[redacted]~~
A5.02 INTERIOR ELEVATIONS
~~A6.01 DOOR, WINDOW, FINISH, HARDWARE SCHEDULES~~
A6.02 DOOR, WINDOW, FINISH, HARDWARE SCHEDULES
~~A8.0 SPECIFICATIONS~~
~~A8.1 SPECIFICATIONS~~
~~A8.2 SPECIFICATIONS~~

STRUCTURAL

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F1.01 FOUNDATION PLAN 50 PSF LL (WOOD)
~~F2.0 FOUNDATION DETAILS (WOOD) W/ 3 PLATES~~
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S1.0 FLOOR FRAMING PLAN 50 PSF LL
S1.2 FLOOR FRAMING DETAILS (TYPICAL)
~~S2.0 ROOF FRAMING PLAN (DUAL PITCH) W/ FASCIA~~
~~S2.01 ROOF FRAMING PLAN (DUAL PITCH) W/O FASCIA~~
S2.1 ROOF FRAMING DETAILS (TYP.)
S2.2 ROOF FRAMING DETAILS (TYP.)
S3.0 STRUCTURAL ELEVATIONS & DETAILS (DUAL PITCH) W/ FASCIA
~~S3.01 STRUCTURAL ELEVATIONS & DETAILS (DUAL PITCH) W/O FASCIA~~
~~S3.02 STRUCTURAL ELEVATIONS & DETAILS (DUAL PITCH) W/O FASCIA~~
S4.0 WALL FRAMING (WOOD)
~~S4.04 WALL FRAMING (METAL)~~
S4.1 WALL FRAMING (WOOD)
~~S4.1M WALL FRAMING (METAL)~~
S5.0 WALL FRAMING DETAILS (WOOD)
~~S5.0M WALL FRAMING DETAILS (METAL)~~
S5.1 WALL FRAMING DETAILS (WOOD)
~~S5.1M WALL FRAMING DETAILS (METAL)~~
S5.2 WALL FRAMING DETAILS (WOOD)
~~S5.2M WALL FRAMING DETAILS (METAL)~~

MECHANICAL

M1.0 MECHANICAL (HVAC) PLAN – 4 TON
~~M1.01 MECHANICAL (HVAC) PLAN – 5 TON~~
~~M1.02 MECHANICAL (HVAC) PLAN – 6 TON~~

ELECTRICAL

~~E1.01 ELECTRICAL PLAN~~
~~E1.02 ELECTRICAL PLAN~~
E1.03 ELECTRICAL PLAN
~~E1.04 ELECTRICAL PLAN~~

RAMP

~~R1.01 1 FOOT RAMP/LANDING PLAN~~
R1.02 RAMP/STAIRS DETAILS
~~R2.01 OFFSET RAMP/LANDING PLAN~~
~~R2.02 OFFSET RAMP/STAIRS DETAILS~~
~~R3.01 FULL LENGTH RAMP/LANDING AND DETAILS~~
~~R4.01 CONCRETE RAMP/LANDING~~
R5.01 5 FOOT RAMP/LANDING PLAN
~~[redacted]~~

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RS: P.E. Cobet
AE: A.M. Smith
SS: V. GARCIA

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Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT
FRED VINCENT CO-
MALLOCK
No. C26659
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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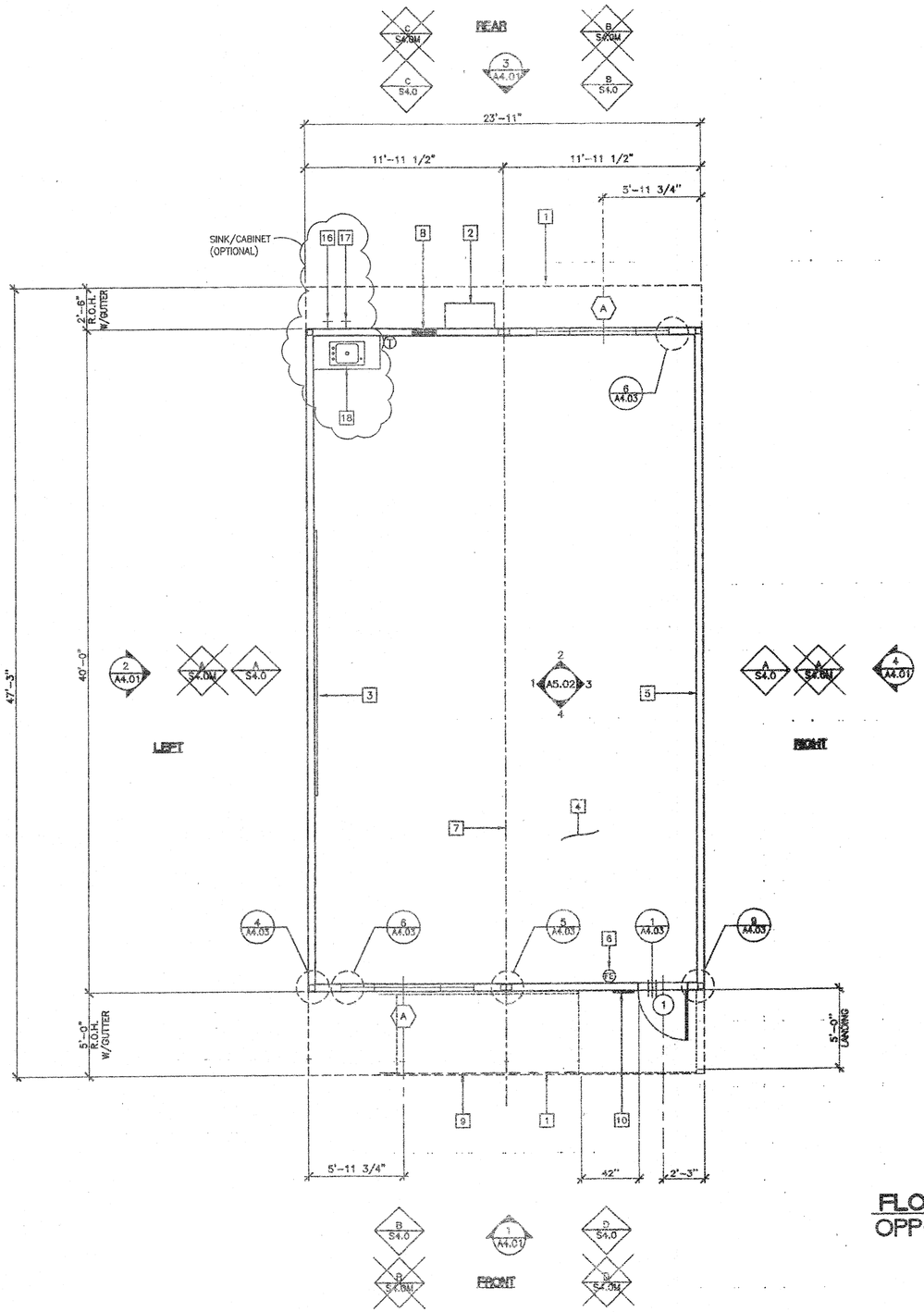
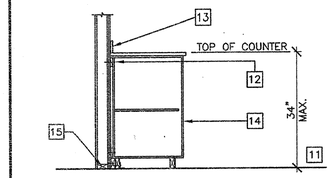
A.0

COVER SHEET



FLOOR PLAN
OPP-HAND

SCALE: 1/4" = 1'-0" 24x40

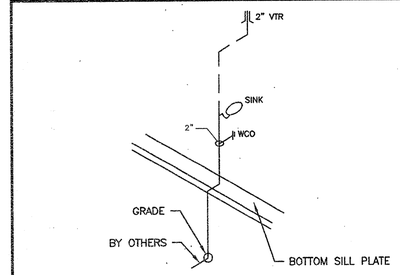


NOTES:
1. SEE PLANS AND ELEVATIONS FOR EACH SPECIFIC DESIGN.
2. REMOVE TOE KICK AND BASE FOR ACCESSIBLE CONDITION
3. PROVIDE U SHAPED WIRE PULLS AT ALL ACCESSIBLE CASEWORK OR EQUAL.

(OPTIONAL)

SCALE: NTS

BASE CABINET ANCHORAGE | 1

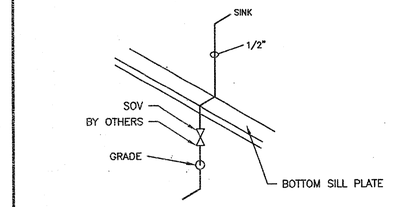


(OPTIONAL)

SCALE: NTS

PIPE SHALL BE TYPE ABS

SINK CABINET WASTE | 2



(OPTIONAL)

SCALE: NTS

PIPE SHALL BE TYPE 'L' COPPER

SINK CABINET COLD WATER SUPPLY | 3

KEY NOTES

1. ROOF OVERHANG
2. HVAC UNIT (HV)
3. 2 – 8'x4' PORCELAIN STEEL MARKER BOARDS (SEE SPEC'S FOR TYPE)
4. FINISH FLOORING (FIN)
5. INTERIOR FINISH (FIN)
6. FIRE EXTINGUISHER – 5 LBS DRY CHEMICAL WITH 2A–10BC UL RATING WALL MOUNTED BRACKET, HANDLE AT 48" AFF
7. MODLINE (M)
8. ELECTRICAL PANEL
9. RAMP/LANDING (RAMP) SEE RAMP DRAWINGS
10. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY, SEE A6.02
11. FINISH FLOOR
12. 4"x22 GA CONTINUOUS METAL STRAPS WITH #14 STSMS AT 24" OC
13. BACK SPLASH
14. BASE CABINET
15. BOTTOM PLATE
16. COLD WATER P.O.C. SEE DETAIL# 3
17. WASTE P.O.C. SEE DETAIL# 2
18. CLASSROOM SINK, TYP. SEE A5.02
    SINK: CRAC–ADA–1725–A–GR
    FAUCET: CHICAGO 350. BUBBLER: JSB 10

(OPTIONAL)

NOTES

1. METAL TAG ON ALL MODULES. MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING SHOW D.S.A. APPLICATION NUMBER. MANU–FACTURER'S NAME AND SERIAL NUMBER.
2. METAL TAG MIN. 3 1/2"X1 1/2" STAMPED METAL I.D. W/
   1. OPSC BUILDING NUMBER
   2. DESIGN WIND LOAD
   3. DESIGN ROOF LOAD
3. PROVIDE MIN. 3 1/2"X1 1/2" METAL TAG INSTALLED INSIDE THE ELECTRICAL PANEL SHOWING OPSC NUMBER AND DSA NUMBER.
3. BLDG. MANUFACTURER RO VERIFY W/ CUSTOMER IF SINK AND CABINET OPTION APPLIES.

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12/31/04
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PERRIS, CALIF. 92572 FAX (909) 940-0427

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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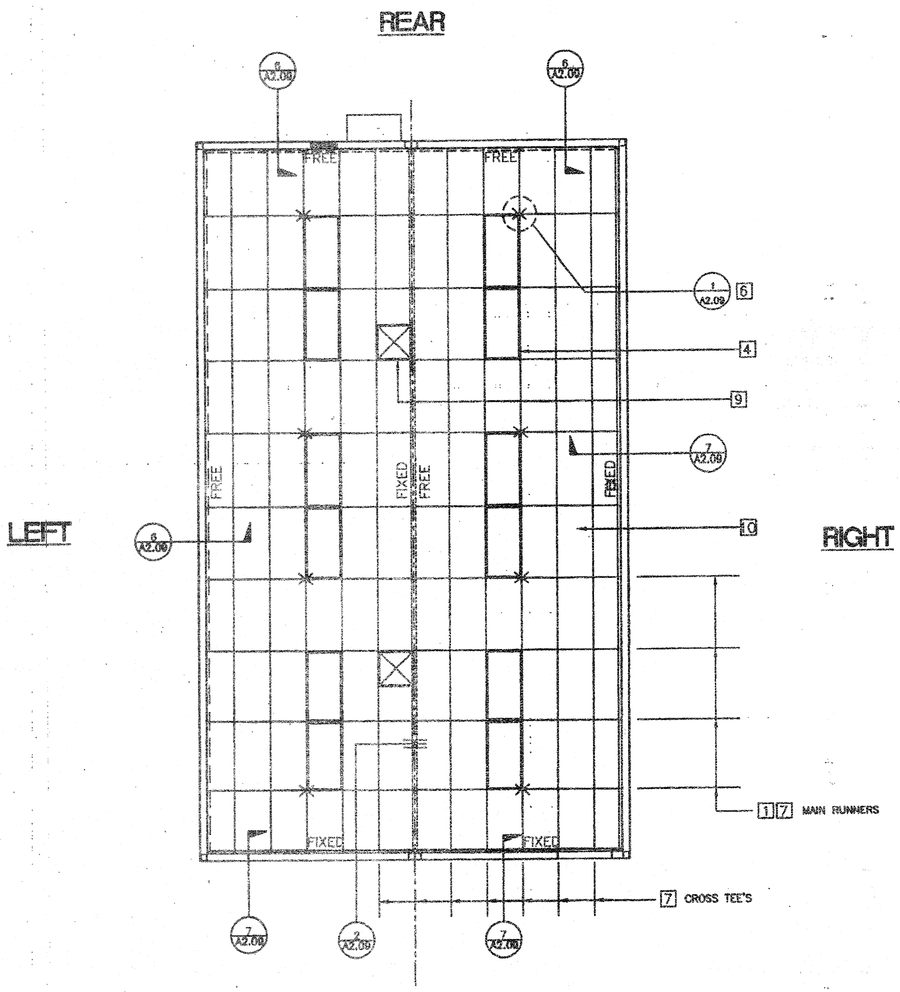
MODTECH Index No.

FLOOR PLAN

A1.1



REFLECTED CEILING PLAN (24'X40')
OPP-HAND

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

KEY NOTES

1. MAIN RUNNERS @ 4'-0" W/12GA. HANGER WIRES @ END OF EACH RUNNER.
2. AT THE END OF ROWS OF RUNNERS A 12GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT.
3. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES.
4. PROVIDE 2-12GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE OF LIGHT FIXTURES: 2 X 4 RECESSED, ATTACH FIXTURE TO GRID W/1-#8 SHEET METAL SCREW AT EACH CORNER.
5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2-ADJACENT WALLS, OTHER WALLS NO . ATTACHMENT. CLEARANCE OF 1/2" BETWEEN END OF RUNNERS AND FACE OF WALL.
6. CEILING AREAS SHALL HAVE 2/4-WAY SPLAYS PER DETAIL 1 ON SHEET A2.09 IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.
7. T-BAR PART NUMBERS

	ARMSTRONG PA-041		
RUNNER MAIN	7301D		
4' CROSS TEE	7343		
2' CROSS TEE	7328		
WALL ANGLE	7800D		

8. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
9. REGISTERS SHALL BE POSITIVELY ATTACHED W/4-10GA. SHEET METAL SCREWS. (TYP. 1- @ EA. CORNER)
10. CEILING PANELS: 2910

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FILE NO. 15-6

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~~04 105455 NB~~
~~JUL 17 2003~~

LEGEND

- T & T BAR CEILING
- 2'X 4' ELEC. FIXTURE RECESSED
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- SPLAY WIRE 4 WAY
- INDICATES FIXED SIDE (SEE DETAIL 7/A2.09)
- INDICATES FREE SIDE (SEE DETAIL 6/A2.09)

REVISIONS			
1	GL	ADDED & MODIFIED REFLECTED CLG.	7/9/03
2			
3			
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5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT
WILLIAM SCOTTSMAN
No. C-24639
12/31/05
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

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2830 BARRETT AVENUE FAX (909) 943-4014
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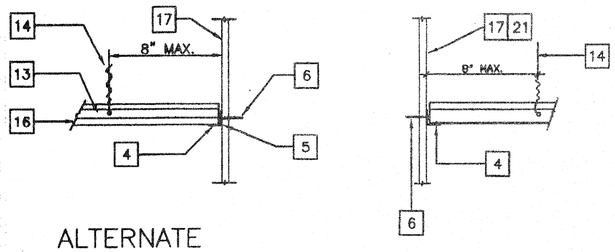
REFLECTED CEILING PLAN 12 LIGHTS

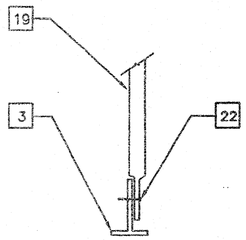
A2.04



ALTERNATE

TYPICAL FIXED SIDE

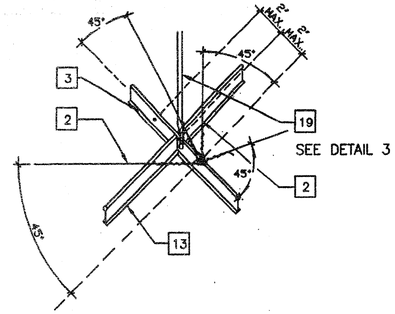
7



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR, DEPENDING UPON CONDITION & LOCATION

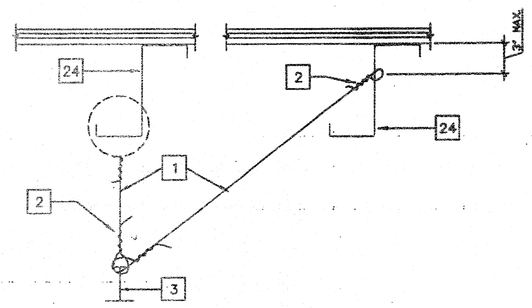
ALT. CONN. AT BOTTOM

4



SIESMIC SPLAY - 4 WAY

1



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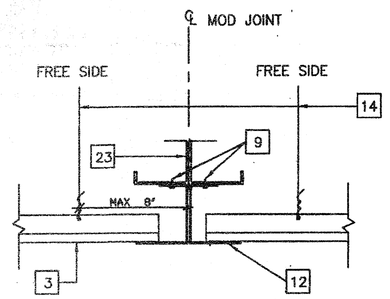
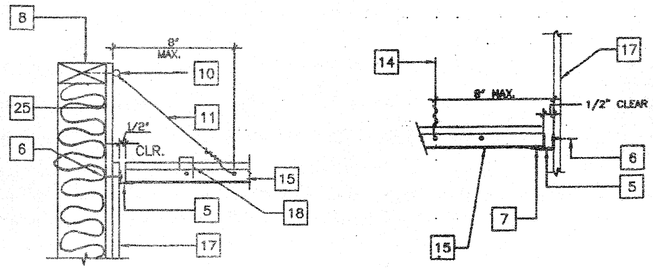


NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY.

GRID AT MOD LINE

SCALE 3"=1'

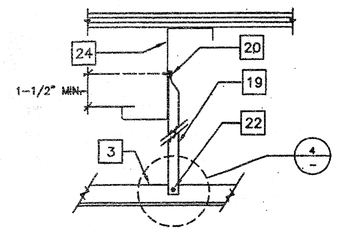
2



ALTERNATE

TYPICAL FREE SIDE

6



NOTE: CONDUIT MAY BE CRIMPED ON EITHER SIDE OF T-BAR DEPENDING UPON CONDITION & LOCATION

3

KEY NOTES

1. 12GA. HANGER OR DIAGONAL SPLAY WIRE IN PUNCHED OR DRILLED HOLE
2. 12GA. WIRE WITH 4 WRAPS IN 1 1/2" (TYP.) WIRE TO RUN PERPENDICULAR TO MAIN TEE
3. MAIN RUNNER
4. 1/8"ø POP RIVET TO EACH T-BAR
5. WALL ANGLE
6. 6d 16" ⊙ FRAMING TO WALL STUD #8 S.T.S.M.S. WHEN METAL STUDS ARE USED
7. ANGLE WITH 1/8"ø POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
8. TOP PLATE
9. #10 S.T.S.M.S. ⊙ 4' O.C.
10. 3" X 1/4" EYED SCREW. 1/8"ø X 2" JIF-E SCREW WHEN METAL STUDS ARE USED
11. HANGER TO WALL WHERE NO RAFTER ABOVE MAX SLOPE 1" IN 6"
12. 28 GA. JETCOAT
13. CROSS TEE
14. 12GA. HANGER WIRE AT THE END ON EACH RUNNER MIN. 4 WRAPS IN MAX 1 1/2" - SEE DETAIL #5 FOR WIRE TO PURLIN ATTACHMENT
15. MAIN RUNNERS OR CROSS TEES
16. ACOUSTICAL BOARD
17. FINISH WALL
18. HORIZONTAL STRUTS SHALL RUN CONTINUOUS AT ALL PERIMETERS, NOT POP RIVETED TO THE WALL ANGLE ARMSTRONG #7425 OR #7445 WITH SPRING STEEL SNAP TO RUNNER PER IR M-3
19. 3/4" EMT CONDUIT - MAX 5'-2" (COMPRESSION STRUT)
20. CRIMP CONDUIT AND ATTACH TO RAFTER WITH (1) #8 TEK SCREW
21. PROVIDE SPACE AT ALL MEMBERS AT OPPOSITE WALL
22. CRIMP CONDUIT AND ATTACH TO T-BAR GRID WITH (1) #8 TEK SCREW
23. ROOF BEAM SEE (STR)
24. ROOF PURLIN SEE (STR)
25. ~~FIBERGLASS BLANKET INSULATION PER FIRE BLOCK~~

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NOTE:

1. FIRE BLOCKING TO BE PROVIDED AT CEILING LEVEL OF ALL WALLS. FIRE BLOCKING MAY BE OF WOOD, GYPSUM BOARD, CEMENT FIBER BOARD OR BATTS OR BLANKETS OF MINERAL OR GLASS FIBER INSULATION PER CBC SECTION 708.2.2.

REVISIONS

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
No. P-24405
12/31/04
RENEWAL DATE
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Architects Seal

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MODTECH™ inc.
2830 BARRETT AVENUE FAX (909) 943-4014
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WILLIAM SCOTTSMAN

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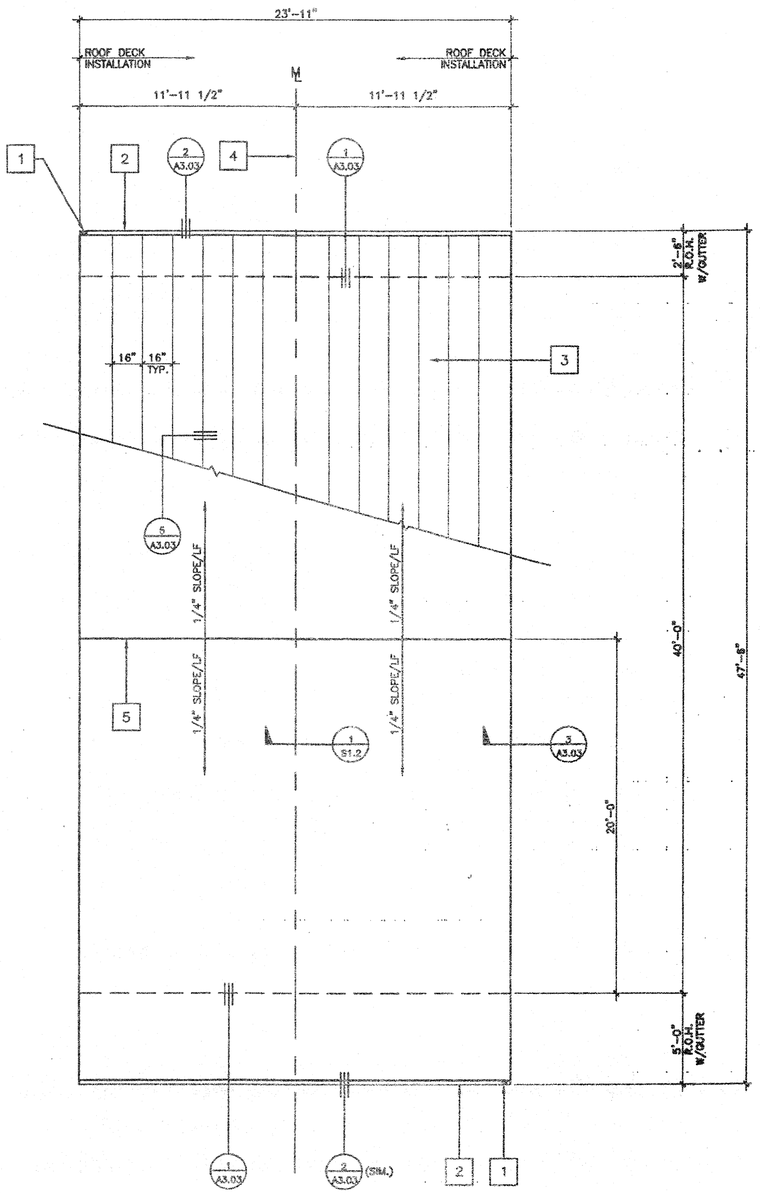
REFLECTED CEILING DETAILS

A2.09

REAR



LEFT

RIGHT

FRONT

ROOF PLAN (DUAL SLOPE) (24'X40')

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

KEY NOTES

1. DOWNSPOUT (TYPICAL 3" X 2" X 26GA)
2. CONTINUOUS GUTTER 26GA.
3. 22GA. MIN. INTERLOCKING ROOF PANELS (TYP)
4. MODLINE
5. RIDGELINE

NOTES

1. BUILDING HOUSING GROUP E OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A. C.B.C. CLASS A

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JUL 10 2003

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PE Professional of Record Seal
LICENSED ARCHITECT
FRED WARREN HALLIGAN
No. C-24826
RENEWAL DATE 12/31/07
STATE OF CALIFORNIA

Architects Seal

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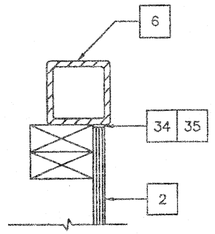
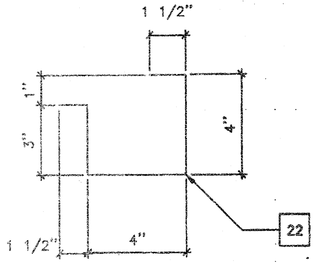
ROOF PLAN

A3.01

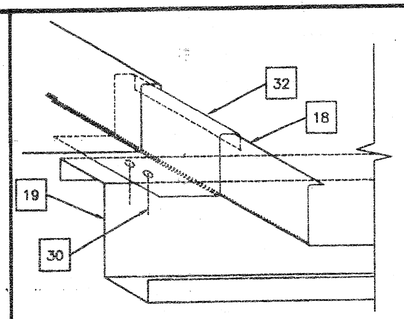


17 EXT. FINISH TO COLUMN

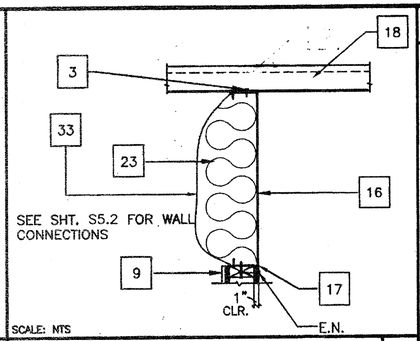


SCALE: 3"=1" CONT. GUTTER 26GA. AT FRONT

13 CONT. GUTTER AND CLOSURE



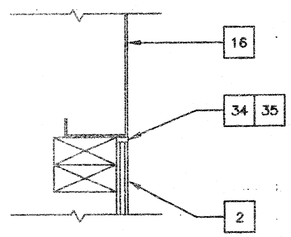
9 ROOF STANDING SEAM



SCALE: NTS

5 END WALL AT ROOF

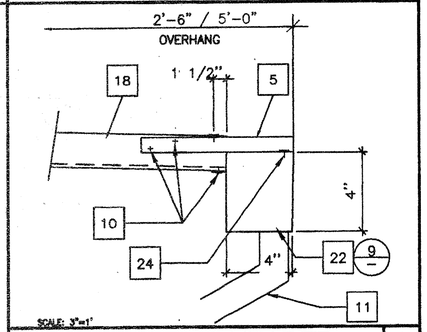
1



18

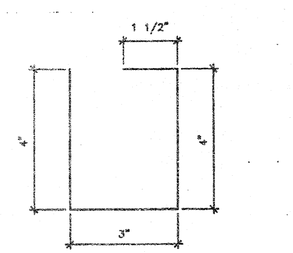
14 EXT. FINISH TO BEAM/HEADER

10



SCALE: 3"=1"

GUTTER @ ROOF HEADER 2

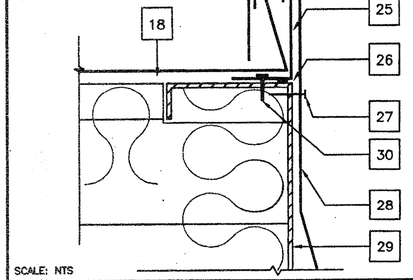


SCALE: NTS CONT. GUTTER 26GA. AT REAR

19

15 CONT. GUTTER AND CLOSURE 11

6



SCALE: NTS

ROOF FLASHING AT SIDE WALL 3

3

20

16

12

8

4

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KEY NOTES

1	TYP. INTERIOR FINISH
2	TYP. EXTERIOR FINISH
3	#14STSMS X 3/4" W/NEO WASHER 3 PER PAN MAX 6" O.C. AT HEADER FRONT AND REAR
~~4~~	~~2X4 STUD TYP. 16" O.C.~~
5	1 1/2"X1 1/2" X 22GA ∠ CLIP AT 32" O.C.
6	TUBE STEEL SEE [STR]
7	NOT USED
8	SEALANT TYP. (SEE SPECIFICATIONS)
9	EXTERIOR WALL (SEE S5.0 FOR CONNECTIONS)
10	#14 STSMS AT EA STANDING RIB (16" OC)
11	DOWNSPOUT
~~12~~	~~#8 STSMS 1 AT EA SIDE OF DOWNSPOUT TO BRACKET~~
13	NOT USED
14	~~ATTACHMENT BRACKET(TYP 3 PLACES: TOP, BOTTOM & MIDSPAN W/ 2 #10 STSMS, BRACKET TO STUD) SEE NOTE AT DETAIL 8~~
~~15~~	~~2 X 4 SILL PLATE PER 4/S5.1~~
16	ROOF HEADER SEE [STR]
17	1/4" GAP w/ 3/8" DIA BACKER ROD 1/4" CAULKING/COLOR CAULK, MATCH PAINT
18	STANDING SEAM ROOF (SEE A3.01 FOR GA.)
19	ROOF PURLIN SEE [STR]
~~20~~	~~FLOOR BEAM SEE [STR]~~
~~21~~	~~22GA GALV. FLASHING (AT BELOW GRADE CONC. FOUNDATION ONLY)~~
22	CONTINUOUS 26GA. GUTTER (SEE DETAIL #9)
23	INSULATION (SEE SPECS FOR TYPE AND SIZE)
24	#14 STSMS AT EACH CLIP (32" O.C.)
25	22 GA STARTER/END ROOF CLIP—DETAIL #3
26	1/4" CONTINUOUS BEAD OF SEALANT AROUND ENTIRE PERIMETER OF FRAME
27	#10 STSMS WITH NEOPRENE WASHER FOR FLASHING INTO ROOF BEAM @ 24" O.C.
28	26 GA GALVANIZED IRON FLASHING AT SIDE WALL
29	C 14x12 GA HEADER
30	(2) BZH 1/4"Ø175 KNURLED DRIVE PINS ROOF CLIP TO EACH PURLIN, TO ROOF BEAM AND TO HEADER (PURLINS @ 4'-0" O.C.)
~~31~~	~~22 GA STANDING SEAM ROOF PAN~~
32	22 GA ROOF CLIP (AT EA. PURLIN)
33	PROVIDE VAPOR BARRIER OVER INSULATION AT ROOF BEAMS AND CEILING
34	1/4" GAP w/ 3/8"Ø BACKER ROD
35	1/4" CAULKING/COLOR CAULK, MATCH PAINT

REVISIONS

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT
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No. C-24628
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ROOF DETAILS

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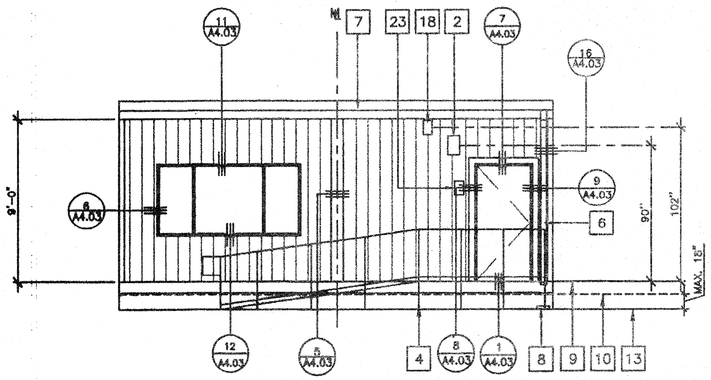
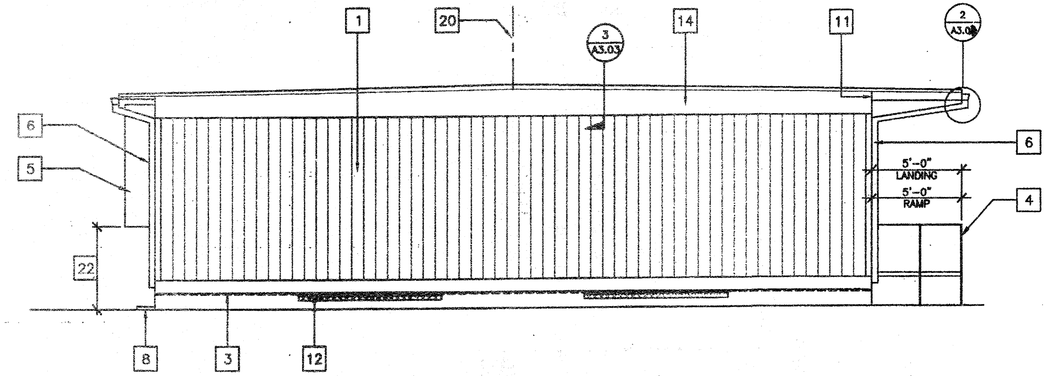


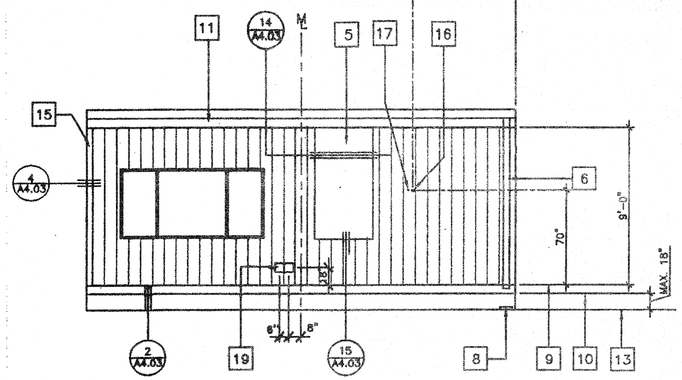
1 FRONT ELEVATION
OPP-HAND

1/4" = 1'-0"



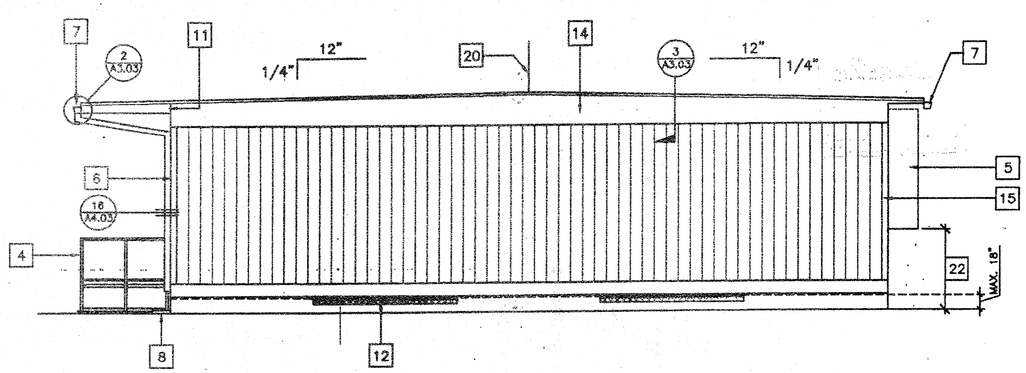
2 LEFT ELEVATION

1/4" = 1'-0"



3 REAR ELEVATION
OPP-HAND

1/4" = 1'-0"



4 RIGHT ELEVATION

1/4" = 1'-0"

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KEY NOTES

1. TYPICAL EXTERIOR SIDING (SEE A6.02)
2. EXTERIOR LIGHT FIXTURE (SEE SPEC'S)
3. TOP OF SKIRTING
4. RAMP AND LANDING (RAMP) SEE RAMP DRAWINGS
5. HVAC UNIT. SEE (HV)
6. DOWNSPOUT (TYP.) FOR (2). FASTEN TO BLD'G. TYP 3 PLACES (SEE 16/A4.03)
7. CONTINUOUS GUTTER WITH DOWNSPOUT (LOCATION OF DOWNSPOUT SHOWN ON ROOF PLAN) SEE A3.01
8. SPLASH BLOCK (BY OTHERS)
9. FINISH FLOOR LINE
10. BOTTOM FLANGE OF FLOOR BEAM
11. ROOF HEADER
12. VENT. SEE FOUNDATION PLAN
13. FINISH GRADE
14. ROOF BEAM SEE (STR)
15. COLUMN SEE (STR)
16. ELECTRICAL STUB-OUT SEE (EL)
17. GROUND STUB-OUT SEE (EL)
18. J BOX FOR EXT. FA HORN SEE (EL)
19. NEMA 6" X 6" GUTTER BOX SEE (EL)
20. RIDGE
21. NOT USED
22. IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL OR CIRCULATION AREA AND HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" THEN PROTECTION MUST BE PROVIDED BY DISTRICT PRIOR TO OCCUPANCY
23. SIGNAGE PROVIDED AND INSTALLED BY DISTRICT PRIOR TO OCCUPANCY. SEE SHEET A6.02

NOTES

1. SEE FOUNDATION PLAN FOR SIZE AND LOCATION OF UNDER FLOOR VENTS.

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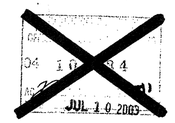

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Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT
FREDERICK HALLOCK
No. C-24603
12/31/03
RENEWAL
STATE OF CALIFORNIA

Architects Seal

PC
CBC 2001
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-04
104796
AC FLS SS
DATE 4/1/03

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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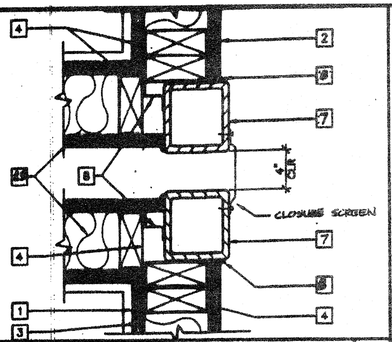
DATE: 07/07/03
CHECKED BY:
DATE:

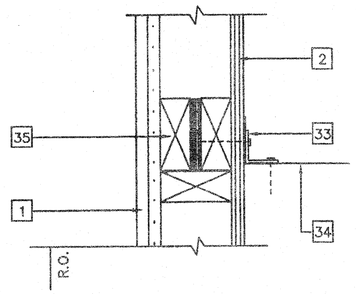
MODTECH Index No.

EXTERIOR ELEVATIONS W/ FASCIA

A4.01

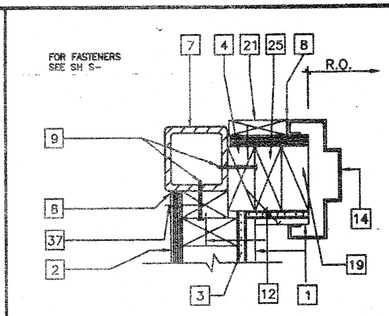


CLOSURE BETWEEN BLDG'S | 17



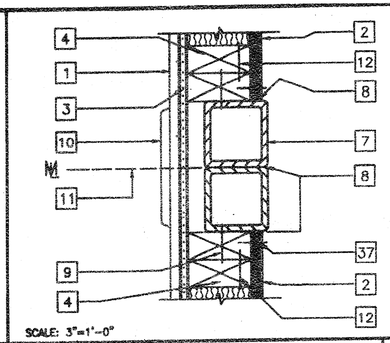
SCALE: NTS AC UNIT ATTACHMENT (SIDES)

UNIT ATTACHMENT | 13



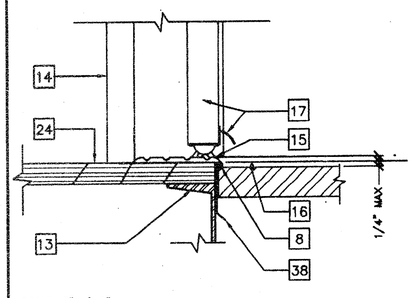
SCALE: 3"=1'-0"

DOOR JAMB | 9



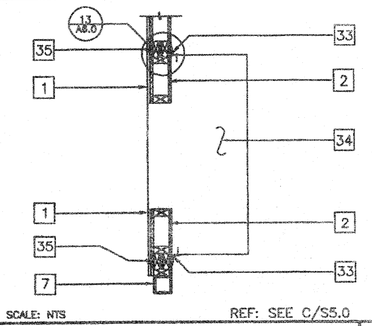
SCALE: 3"=1'-0"

COLUMN • MODLINE | 5



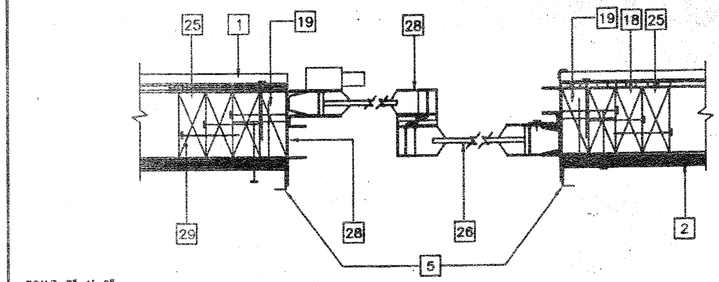
SCALE: 3"=1'-0"

THRESHOLD | 1



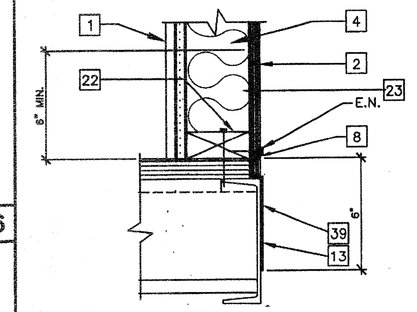
SCALE: NTS REF: SEE C/S5.0

A.C. UNIT (PLAN) | 14



SCALE: 3"=1'-0"

WINDOWS SECTION • JAMBS | 6



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 04 105455 AC FLS SS DATE JUL 17 2003

AGENCY TRACKING NO. 53321-154
FILE NO. 15-6

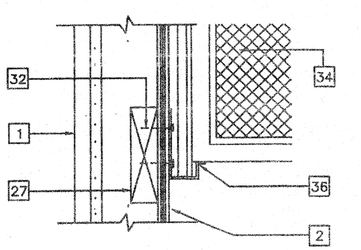
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-117035 AC FLS SS DATE 6/28/2016

NOTE: FLASHING AS SHOWN SUPPLIED BY MODTECH. SEE NOTE #21 ANY OTHER FLASHING OR EXTENSION IS THE RESPONSIBILITY OF THE SITE CONTRACTOR OR SCHOOL DISTRICT

SCALE: 3"=1'

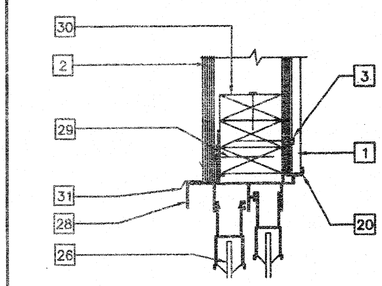
KEY NOTES

1. TYP. INTERIOR FINISH (SEE FINISH SCHEDULE)
2. TYPICAL EXTERIOR FINISH
3. 1/2" GYPSUM BOARD BACKING W/ 7d COOLER NAILS AT MAX 7" O.C. TYP. AT EA. STUD
4. 2X4 STUD TYP. AT 16" O.C. MAX.
5. CORNER MOLD
6. DOWNSPOUT
7. TUBE STEEL COLUMN SEE STR
8. CAULKING
9. #10 S.T.S.M.S. AT MAX. 24" O.C. (ALT. HILTI 0.145 SHOT PIN) 2X FILLER TO COLUMN
10. VINYL CLOSURE
11. MODULE JOINT
12. 16d AT 24" O.C. FACE NAIL OR 16d AT 12" O.C. TOE NAIL (SEE SHEET S5.2)
13. FLOOR BEAM SEE STR
14. PRESSED STEEL FRAME (K.D. TYPE SEE A6.02)
15. ALUMINUM THRESHOLD (SEE HARDWARE SCHEDULE)
16. FINISH LANDING SEE FLOOR PLAN AND FOUNDATION FOR TYPE AND FINISH
17. DOOR AND DOOR BOTTOM (SEE HARDWARE SCHEDULE)
18. (2) 2X4 KING STUD (SEE SHEET S5.0)
19. 2X4 TRIMMER (SEE SHEET S5.0)
20. "Z" MOLD 26GA
21. 4" ABTCO TRIM
22. (2) 2X4 SILL PLATE W/ 16d AT 16" O.C.
23. INSULATION (SEE SPECS. FOR SIZE AND TYPE)
24. FINISH FLOORING (SEE FINISH SCHEDULE SHEET A6.02)
25. 2X4 JAMB STUDS (SEE SHEET S5.0) DETAILS FOR NUMBER OF STUDS REQUIRED AND NAILING SCHEDULE FOR NAILING
26. WINDOW GLAZING (SEE WINDOW SCHEDULE SHEET A6.02)
27. 2X6 LET IN (SEE WALL FRAMING SHEET C/S4.0)
28. ALUMINUM WINDOW FRAME WITH NAIL-ON FINISH. INSTALL W/ MIN. 3" BLDG. PAPER BETWEEN FINISH AND FRAMING. INSTALL WITH 8d AT MAX. 24" O.C.
29. 16d BOX STAGGERED AT MAX 24" O.C.
30. HEADER 12/S5.0
31. 26 GA DRIP FLASH
32. 6-3/8"ø X 2" GALVANIZED LAG SCREWS
33. L 1-1/2"x1-1/2"x1/8"x18" LONG (BY HVAC MFR.) ATTACHED TO A/C W/ 4-#10 SELF TAPPING SHEET METAL SCREWS AND ATTACH TO WALL W/ 3"ø X 2" GALVANIZED LAG SCREWS
34. SIDE OF HVAC UNIT SEE HV
35. (3) 2X4 W/ PLYWOOD SPACER- BUILT- UP POST. 8d AT O.C. STAGGERED SPACER TO FIRST 2X4 16d AT 12" O.C. SECOND 2X4 12d AT 12" O.C. STAGGERED THIRD 2X4 ALTERNATE USE 4X4 POST
36. 11GA. X24" STEEL SUPPORT BRACKET
37. EN - 8d BOX ELECTRO GALV. AT 6" O.C.
    FN - 8d BOX ELECTRO GALV. AT 12" O.C.
38. 26 GA GALVANIZED FLASH AT DOOR SILL
39. 22 GA. GALV. FLASHING (AT BELOW GRADE CONC. FOUNDATION ONLY)
40. #8 STSMS - 1 AT EA SIDE OF DOWNSPOUT TO BRACKET
41. ATTACHMENT BRACKET (TYP 3 PLACES: TOP, BOTTOM & MIDSPAN W/ 2-#10 STSMS, BRACKET TO STUD) SEE NOTE AT DETAIL 8



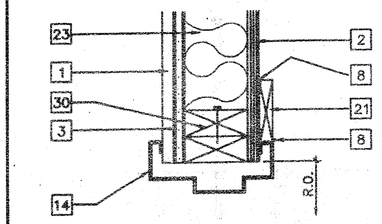
SCALE: 3"=1' REF: SEE C/S5.0

A.C. UNIT (BOTTOM) | 15



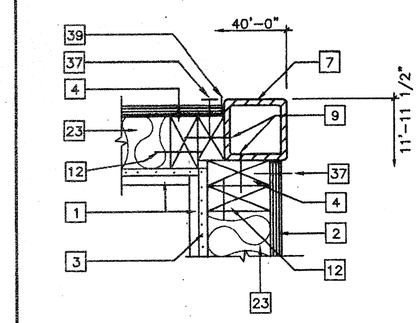
SCALE: 1 1/2"=1'-0"

WINDOW HEADER | 11



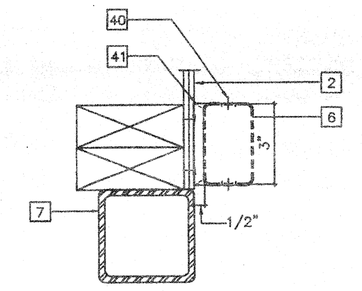
SCALE: 3"=1'-0"

DOOR HEADER | 7



SCALE: 3"=1'-0"

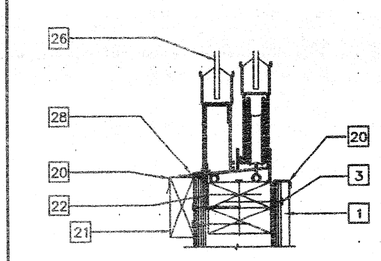
TYPICAL SILL • FLOOR | 2



NOTE: DOWN SPOUT ATTACHES TO COLUMN AT FRONT AND TO STUD AT REAR IN ORDER TO MISS RAMP RAILING AT FRONT

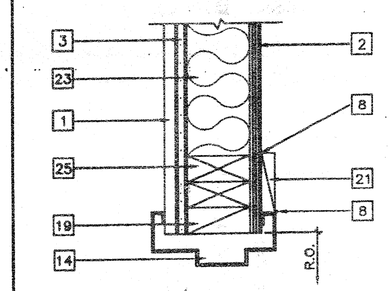
SCALE: 4"=1'

DOWNSPOUT ATTACHMENT | 16



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

SILL PLATE | 12



SCALE: 3"=1'-0"

DOOR JAMB | 8

CORNER COLUMN | 4

NOTES

1. EN 8d ELECTRO GALV. AT 6" O.C.
2. FN Ed ELECTRO GALV. AT 12" O.C.
3. SEE SHEET S5.0 FOR TYPICAL WALL FRAMING NAILING

INSULATION MATERIALS INSULATED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWL SPACES, OR ATTICS SHALL HAVE A FLAMESPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450. EXCEPTIONS:
A: FOAM PLASTIC INSULATION SHALL COMPLY WITH SEC. 2602

B: WHEN MATERIALS ARE INSULATEDIN CONCEALED SPACES OF TYPES I, II, IV, AND V CONSTRUCTION, THE FLAME SPREAD AND SMOKE-DEVELOPED LIMITATIONS DO NOT APPLY TO FACINGS. IF THE FACING IS INSTALLED IN SUBSTANTIAL CONTACT WITH THE UNEXPOSED SURFACE OF THE CEILING, FLOOR OR WALL FINISH. (SEC. 707.3 CBC)

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT FRED VINCENT MAHLOCK No. C-24520 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

PC
CBC 2001
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-04 104796 AC FLS SS DATE 5/1/03

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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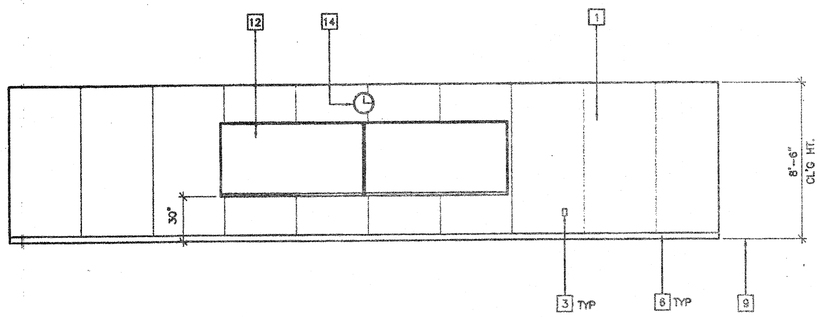
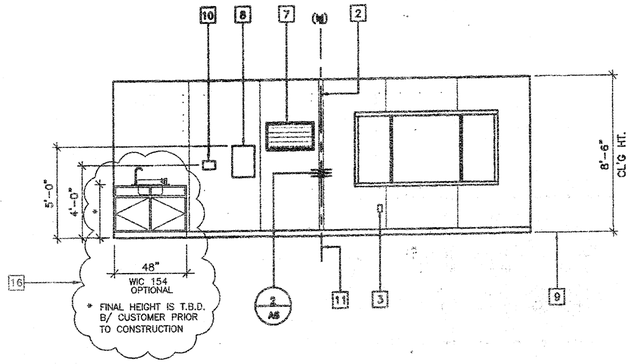
ARCHITECTURAL DETAILS

A4.03

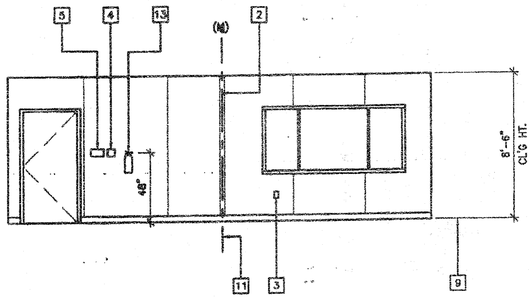


1 LEFT ELEVATION

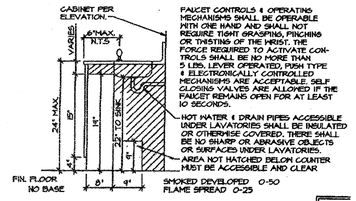


2 REAR ELEVATION OPP-HAND

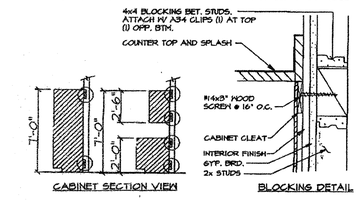
3 RIGHT SIDE ELEVATION



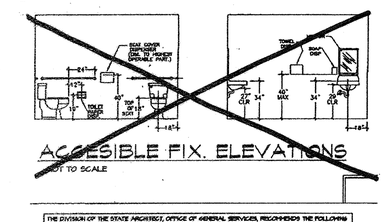
4 FRONT ELEVATION OPP-HAND



H.C. SINK CAB. SEC.



CABINET ATTACHMENT



ACCESIBLE FIX. ELEVATIONS

NOT TO SCALE

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF GENERAL SERVICES, RECOMMENDS THE FOLLOWING DIMENSIONS AS ADVISABLE IN MEETING THE NEEDS OF CHILDREN IN PROJECTS UNDER OUR JURISDICTION. THESE RECOMMENDATIONS ARE BASED ON THE FEDERAL REGULATIONS FOR ACCESSIBILITY FOR CHILDREN IN ELEMENTARY SCHOOLS, AND WHERE THEY DIFFER FROM THE ADULT REGULATIONS IN ALMOST EVERY DETAIL.
A = ADULT DIMENSIONS (AGE 13 AND OVER)
E = ELEMENTARY DIMENSIONS
K = KINDERGARTEN AND PRE-SCHOOL DIMENSIONS

DIMENSION	SUGGESTED A	SUGGESTED E	SUGGESTED K
TOILET CENTERLINE FROM WALL	18"	15"**	12"**
TOILET SEAT HEIGHT	17"-19"	15"	10"-12"
GRAB BAR HEIGHT (SIDE)	33"	27"**	20"-22"
		DIM TO TOP OF SEAT	
TOILET PAPER IN FRONT OF TOILET	12" MAX.	6"MAX**	6"MAX**
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX	12"MAX.	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	24" MIN.	24" MIN.	19" MAX.
URINAL LIP HEIGHT	17" MAX.	15" MIN.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX	32" MAX
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX	30" MAX
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"

** DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

Dec-14-00 09:39A

RECOMMENDED ACCESSIBILITY DIMENSIONS

KEY NOTES

1	TYPICAL INTERIOR FINISH (FIN)
2	CLOSURE AT MODULAR JOINT
3	DUPLEX WALL RECEPTACLE (EL)
4	J-BOX FOR FIRE ALARM PULL STATION (EL)
5	LIGHT SWITCH (EL)
6	BASE
7	RETURN AIR GRILL
8	ELECTRICAL PANEL (EL)
9	FINISH FLOOR LINE (FIN)
10	THERMOSTAT (HV) SEE MECHANICAL PLANS
11	MODULAR JOINT
12	8040 PORCELAIN STEEL MARKER BOARD, TYPICAL FOR (2)
13	FIRE EXTINGUISHER: 5 LBS DRY CHEMICAL WITH 2A-10BC UL RATING ON WALL MOUNTED BRACKET, HANDLE AT 48" AFF
14	ELECTRIC CLOCK (EL)
16	SINK/CABINET (OPTIONAL)

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035
AC. FLS SS
DATE 6/25/2016

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC. FLS SS
DATE JUL 17 2003

04 [illegible] 4
JUL 10 2003

INTERIOR ELEVATIONS (24'x40')

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

REVISIONS			
1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal
LICENSED ARCHITECT FRED WILLIAM HALLOCK No. C-24655 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

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PC-04
104796
AC. FLS SS
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MODTECH, Inc.
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PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

INTERIOR ELEVATIONS 24'x40'

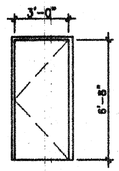
A5.02

DOOR SCHEDULE

DOORS							FRAMES					
DOOR NUMBER	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'-0" X 6'-8"	HM	A	NA	1	1	HM	7/A4.03	8/A4.03	1/A4.03	5-1/8"	

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD
SCL – SOLID CORE WOOD LEGACY

DOOR ELEVATIONS



TYPE A

DOOR NOTES

1. DOOR HANDLES FOR LOCKSETS TO BE CENTERED @ 38" AFF & DEADBOLTS @ 44" AFF.
2. HARDWARE TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
3. ALL DOORS SHALL BE 1-3/4" THICK UNO
4. DOUBLE LETTERS IN SCHEDULE, INDICATES A PAIR OF DOORS.
5. SAFETY GLASS, CLEAR
6. WIRE GLASS
7. UNDERCUT DOOR
8. FIXED LOUVER
9. FUSIBLE LINK LOUVER
10. VISION PANEL
11. CLOSURE SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS ON ALL DOORS

HARDWARE SCHEDULE

HARDWARE SET #1

LOCKSET	– SCHLAGE D70PD, WITH RHODES LEVER, OR EQUAL
BUTTS	– 1-1/2 PAIR HAGER 1191 BB 4-1/2 x 4-1/2 NRP 26D OR EQUAL.
CLOSER	– NORTON 8500 DA / LCN 460 OR EQUAL
THRESHOLD	– PEMCO 271A OR EQUAL
DOOR BOTTOM	– PEMCO 216AV OR EQUAL
WEATHERSTRIP	– PEMCO 299AV OR EQUAL
DOOR STOP	– QUALITY #44 OR EQUAL

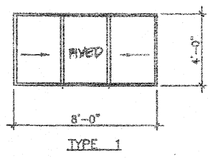
HARDWARE SET #2

LOCKSET	– SCHLAGE D53PD, WITH RHODES LEVER, OR EQUAL
BUTTS	– 1-1/2 PAIR HAGER BB1279 4-1/2 x 4-1/2 26D OR EQUAL.

WINDOW SCHEDULE

AMT.	TYPE	WIDTH	HEIGHT	FINISH	WIN. NO.	GLASS TYPE
2	1	8'-0"	4'-0"	ANODIZED	A	7/32" MIN, SOLAR GRAY 46%, DUAL GLAZE

WINDOW ELEVATIONS

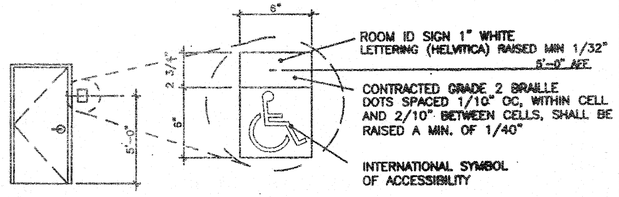


TYPE 1

WINDOW NOTES

1. 8040 XOX ANODIZED ALUMINUM GLAZING: EXTERIOR LITE 3/16" MIN. TEMPERED GLASS OF SOLAR GRAY WITH A LITE TRANSMISSION FACTOR OF 46%. 1/4" ALUMINUM SPACER. INTERIOR LITE – 1/8 MIN. CLEAR TEMPERED. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS.

ACCESSIBILITY SIGNAGE (BY DISTRICT)



ENTRY DOOR FROM EXTERIOR VIEW

ROOM FINISH SCHEDULE

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

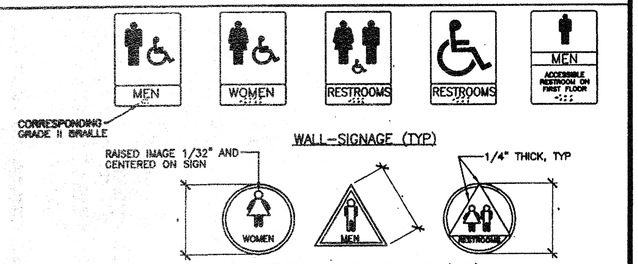
A – CARPET PER STATE OF CALIF SPEC 7220-51E-04 COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN WITH 4" TOPSET BASE.
B – VINYL SHEET FLOORING
C – SELF COVE BASE – 6"
D – 4" BURKE
E – 6" BRIGANTINE OR SANDOVAL
F – 1/2" VINYL TACKBOARD CLASS-1 OVER 1/2" GYP. BOARD BACKING
G – 1/2" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
H – 3/8" W.R. GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
I – 1/2" GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
J – 3/8" GYP. BOARD TAPE TEXTURE WITH PAINTED FINISH
K – 1/8" MARLITE OVER 1/2" W.R. GYP. BOARD
L – ACCOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
M – 3/32" FRP OVER 1/2" WR GYP. BOARD

FINISH NOTES

1. SUB-FLOOR PREP:

PREPARATION FOR SUB FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB FLOOR IS 2.4.1 PLYWOOD. OUTER PLY IS PLUGGED AND TOUCH SANDED, ANY DEFORMATIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTER. THE JOINT AT THE MODULE JOINING SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.

TOILET ROOM SIGNAGE (BY DISTRICT)



IDENTIFICATION SYMBOLS FOR SANITARY FACILITIES

INTERNATIONAL SYMBOL OF ACCESS (WHEEL CHAIR SYMBOL) REQUIRED DOOR OR AT STRIKE SIDE ROOM IDENTIFICATION

NOTES

1. ALL FINISHES SHALL COMPLY WITH C.B.C. CHAPTERS 3,6,7,8, & 10 & C.F.C. & TITLE 19 C.C.R.
2. FOR DOOR AND DOOR FRAME DATA SEE SPECIFICATIONS ON SHEET A8.0.

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Electrical Engineer's Seal

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LICENSED ARCHITECT FRED WILLIAM HALLOCK No. C-24628 12-31-03 RENEWAL DATE STATE OF CALIFORNIA

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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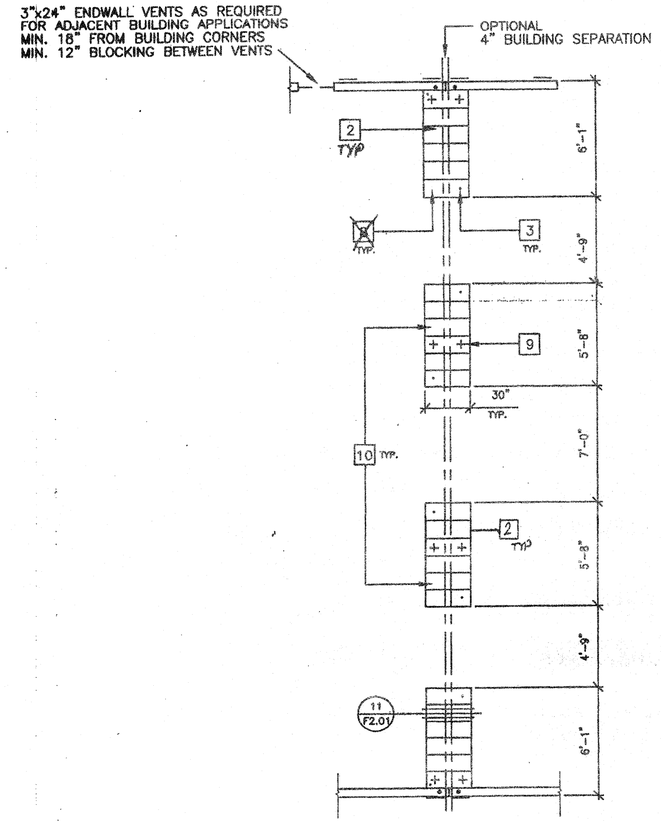
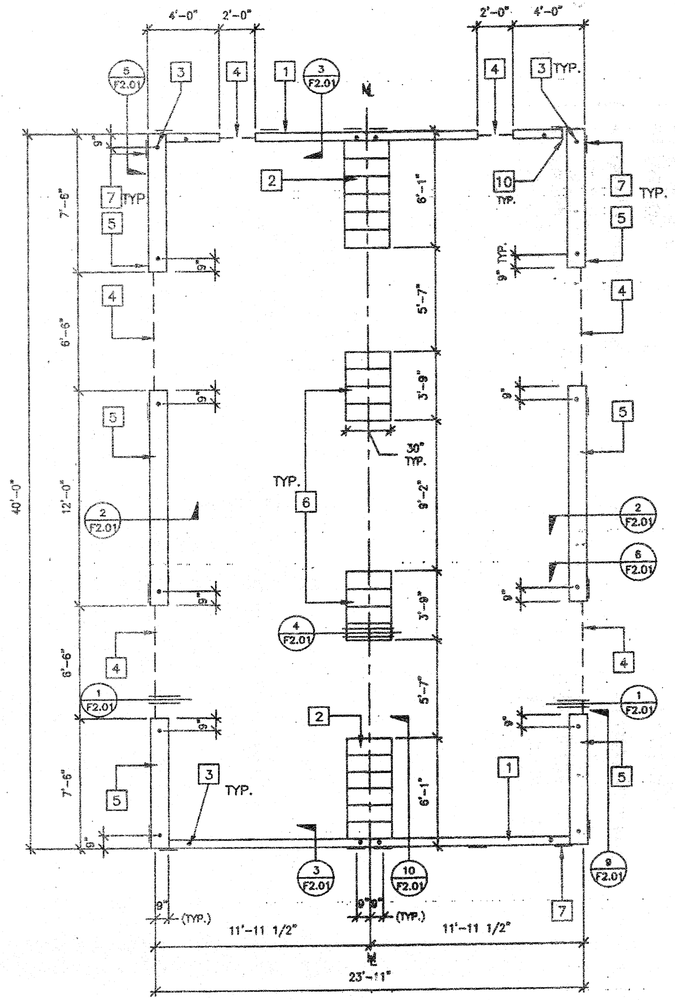
SCHEDULE SHEET

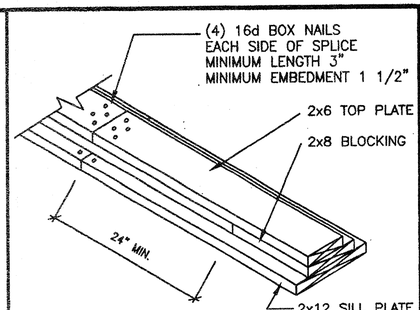
A6.02



FOOTINGS AT ADJACENT BUILDING
(OPTIONAL 4" SEPARATION)

BUILDING CLOSURE AT 4" SEPARATION NOTES:
- FOR ROOF DETAIL AT ADJACENT BLDG SEE F/S2.0
- FOR WALL DETAIL AT ADJACENT BLDG SEE 17/S4.03 OR S4.03M





IF ADDITIONAL PLATES ARE REQUIRED, ABOVE THE 2x6 TOP PLATES SHOWN, TOP PLATE SHOWN, USE 2x4 PLATES

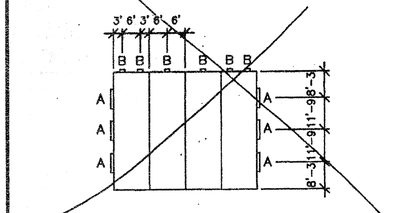
FOUNDATION SPLICE DETAIL | 1

VENT CALCS.

BLD'G SIZE 24' X 40'= 960
VENTILATION REQ'D 960 ÷ 150= 6.4SF
3"X6'-6" VENT=1.625SF X 4 = 6.5SF
3"X2'-0" = 0.5 SF X 2 = 1.0 SF
TOTAL VENTING PROVIDED = 7.5 SF

24'x40' VENT CALCS | 2

BLD'G SIZE 48' X 40'= 1920
VENTILATION REQ'D 1920 ÷150= 12.8SF
VENT A: 3"x6'-6" = 1.625SF x 6 = 9.725SF
VENT B: 3"x2'-0" = 0.5 SF x 6 = 3.0 SF
TOTAL VENTING PROVIDED = 12.72 SF OK



48'x40' VENT CALCS/KEY PLAN 3

KEY NOTES

1. 2"X6" SILL PLATE (END WALL)
2. 6– 2X12X30" LONG SILL PADS
3. PIPE TO GRADE (TYP.)
4. 3" HIGH BY 6'–6" LONG VENT AT SIDEWALLS
   3" HIGH BY 2'–0" LONG VENT AT ENDWALLS
5. 2X12 SILL PLATE (SIDE WALL)
6. 4–2X12X30" LONG SILL PADS
7. 6"X12"X10 GA. PLATES
   5 AT ENDWALL, 4 AT SIDEWALL
8. ~~TIE PLATE – 8,9/F2.0~~
   ~~AT 70 MPH WIND DESIGN LOAD:~~
   ~~MIN (4) AT EACH ENDWALL,~~
   ~~(3) AT EACH SIDEWALL~~
   ~~AT 80 MPH WIND DESIGN LOAD:~~
   ~~MIN (5) AT EACH ENDWALL,~~
   ~~(4) AT EACH SIDEWALL~~
9. 5/8" DIA x 4" LAGS
10. 2" CUTOUT OF SILL PLATE FOR DRAINAGE, FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION

NOTES

1. SILL RESTRAINT: ON A.C. PAVING AND ON SOIL 1" O.D. GALVANIZED PIPE AT 10'–0". 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1–1/4" MAX. PIPE MAY BE DRIVEN MA. OF 45° ANGLE TO VERTICAL. (18–1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE
2. ON CONCRETE PAVING HILTI DS 82–P10 THRU SILL PLATE:
   END WALLS: 8" O.C.
   SIDE WALLS: 22 "O.C.
3. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" THICK PLYWOOD SAME WIDTH AS BLOCK. P.T.
4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE WITH DISTRICT ARCHITECT SITE PLANS.
5. ALL FOUNDATION MATERIAL SHALL BE DOUGLAS FIR
   GROUND CONTACT: LP–22 (CCA .40)
   ABOVE GROUND: LP–2 (CCA .25)
6. ALLOWABLE SOIL BEARING: 1000 PSF
7. "MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN THAN 3" IN OVERALL LENGTH"

   THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.
8. FOR FOUNDATIONS USING (4) PLATES, USE SHEET F2.01 FOR DETAILS IN LIEU OF SHEET F2.0

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FOUNDATION - WOOD SILL

24' X 40' 50 PSF LL

SCALE 1/4" = 1'

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Mechanical Engineer's Seal

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WILLIAM SCOTTSMAN
No. C-22995
12/31/05
RENEWAL DATE
STATE OF CALIFORNIA

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PH (909) 943-4014
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PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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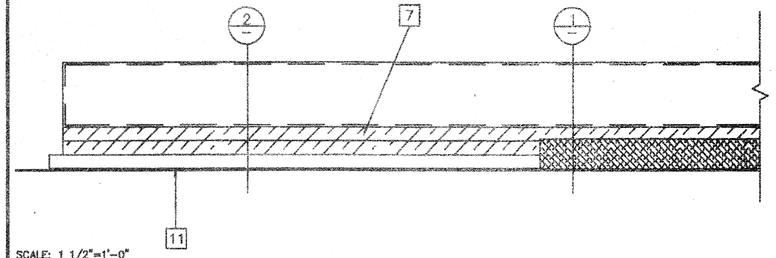
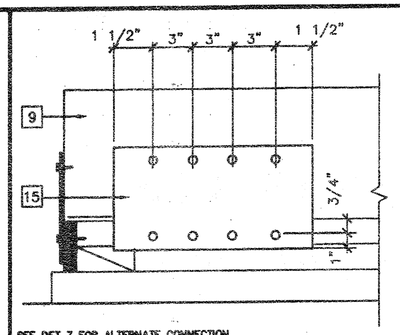
FOUNDATION PLAN

F1.01



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

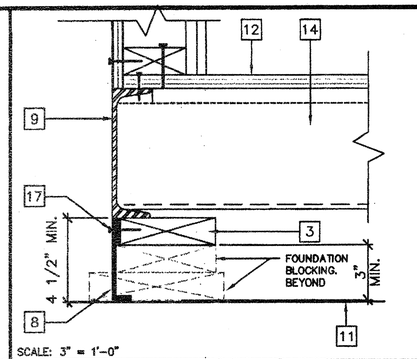
FOUNDATION ELEVATION AT SIDE WALL 9



SEE DET 7 FOR ALTERNATE CONNECTION

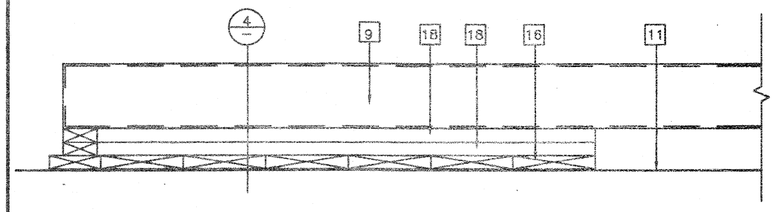
SCALE: 3" = 1'-0" view of side wall

TIE PLATE ELEVATION 5



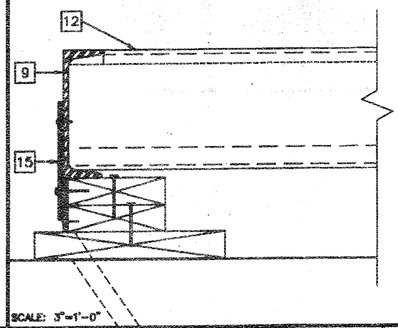
SCALE: 3" = 1'-0"

FOUNDATION VENT 1



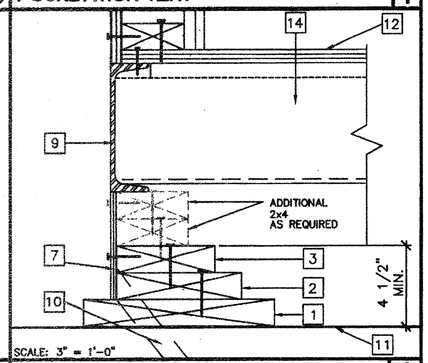
SCALE: 1 1/2"=1'-0"

MODLINE PAD ELEVATION AT END WALL 10



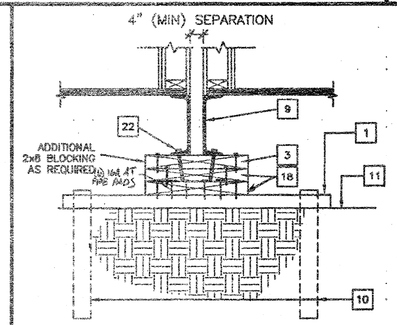
SCALE: 3"=1'-0"

TIE PLATE SECTION 6



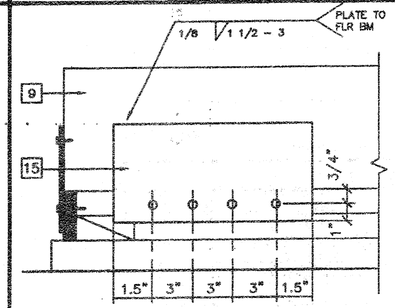
SCALE: 3" = 1'-0"

FOUNDATION AT SIDE WALL 2



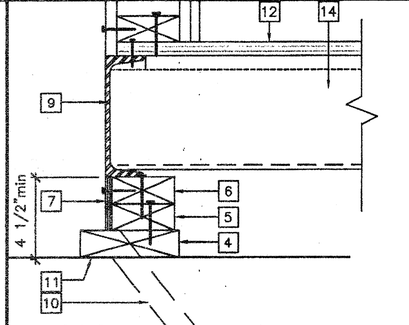
SCALE: 1 1/2"=1'-0" OPTIONAL

FOUNDATION AT ADJACENT BUILDING 11



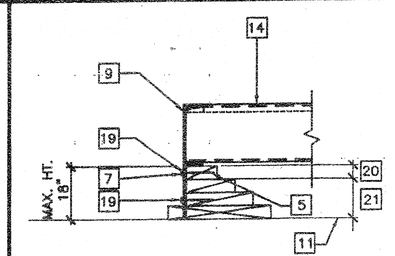
SCALE: 1 1/2"=1'-0" view of side wall

TIE PLATE WELD ALTERNATE 7



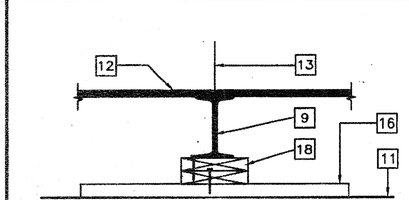
SCALE: 3"=1'-0"

FOUNDATION AT END WALL 3



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

ADD BLK'S/SHMS TO LEVEL FOUN. 8



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

FOUNDATION PAD AT MODLINE 4

PC

CBC 2001

KEY NOTES

1. 2x12 PT CONTINUOUS SILL PLATE – SEE FOUNDATION SCHEDULE
2. 2x8 BLOCKING. FACE OR TOE NAIL 16d GALV. BOX NAILS AT 5" O.C. TO SILL PLATE (H.D.G.)
3. 2x6 CONT. TOP PLATE. FACE OR TOE NAIL 16d GALV. BOX NAILS AT 12" OC TO BLOCKING. OMIT NAILS AT VENT OPENING (H.D.G.)
4. 2x6 PT SILL PLATE
5. 2x4 BLOCKING. FACE OR TOE NAIL 16d GALV BOX NAILS TO BLOCKING AT 12" OC (H.D.G.)
6. 2x4 CONT. TOP PLATE. FACE OR TOE NAIL 16d GALV. BOX NAILS AT 12" OC TO BLOCKING (H.D.G.)
7. MINIMUM 5/8" PLYWOOD SKIRTING W/10d GALV BOX NAILS AT 4" O.C. END WALL EN AND 6" OC SIDE WALL EN AND TYPICAL 12" OC FN. (H.D.G.)
8. VENT:24x40= 960 SF / A50 = 6.4 SF REQD. 3"x 6'-6" = 1.3x4 = 6.5 SF > 6.4 SF OK
9. PERIMETER FLOOR BEAM/ HEADER STR
10. SILL RESTRAINT. SEE NOTE 1 / F1.01
11. FINISH GRADE
12. PLYWOOD SUB FLOOR
13. MODLINE
14. FLOOR JOIST STR
15. 6x12 x10 GA PLATE W/4– 1/4" DIA. SMS TO BEAM AND 4–1/4" DIA LAG SCREWS TO TOP PLATE. FOR ALTERNATE WELD ~~SEE 9/F2.0 — PAINTED~~
16. 2x12 x 2'–6" SILL PADS. SEE FOUNDTION PLAN FOR QUANTITY
17. 10d GALV BOX NAILS AT 4" OC OVER VENTS (H.D.G.)
18. 2x8 CONT TOP PLATE/ BLOCKING W/ 16d GALV BOX NAILS AT 12" OC (H.D.G.)
19. EN SEE NOTE #7
20. ADD BLOCKING OR SHIMS AS REQ. TO MAX. HT. SEE DETAIL #2 & #8
21. MIN. FOUNDATION HEIGHT. SEE DETAIL #2
22. 5/8" DIA x 4" LAGS (FOR LOCATION SEE PLAN)

H.D.G. = HOT DIP GALVANIZED

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PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

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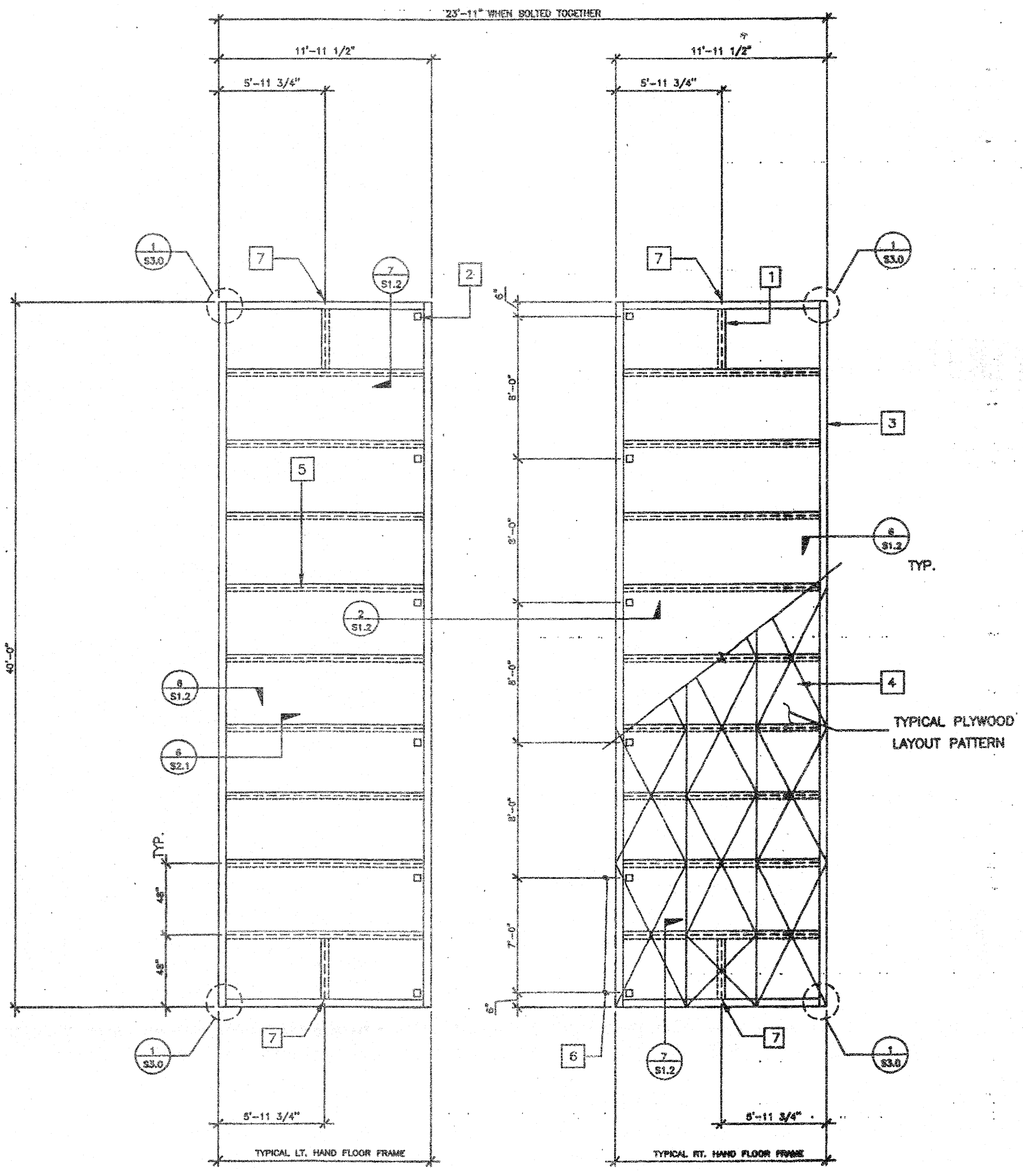
FOUNDATION PLAN w/ 3 PLATES

F2.01



FLOOR FRAMING PLAN

FLOOR LIVE LOAD - 50 PSF

SCALE 1/4"=1'-0"

KEY NOTES

1. 6 3/8 X 2 1/2 X 12GA. BLOCKING AT MIDSPAN OF FLOOR HDR. TYPICAL
2. 5" DIA HAND HOLES AT BOLT BM TO BM (12 PLACES) OPTIONAL 5" SQUARE HOLE
3. C 7X9.8 PERIMETER CHANNEL (TYPICAL) SEE 5/S2.2
4. PLYWOOD FLOOR SHEATHING: APA PS 1-83 1 1/8" THICK, STURD-I-FLOOR OR EQUAL W/48" O.C. SPAN RATING. ATTACHED W/#10 X 1 3/4" SELF-TAPPING FLAT HEAD SCREWS AT 6" O.C. TO PERIMETER FRAME, AEROSMITH AKN 144.0175 DRIVE PINS AT 6" O.C. SUPPORTED EDGES AND 6" O.C. FIELD TO JOIST. (TYPICAL) SEE 10/S2.2
5. 6 3/8 X 2 1/2 X 12GA. FLOOR JOIST AT 48" O.C.
6. TYPICAL BOLT HOLE LOCATION (SEE 2/S1.2)
7. 1"ø HOLE @ MID-DEPTH FOR HANDLING

FILE PATH:

NOTES

1. FOR L HAND & R HAND FRAME SEE S1.0
2. WELDING FIT-UP: OPENINGS = $\frac{t}{2}$ OR 1/8" MIN FOR FULL PEN ⊓ AND ⊓
   t = BASE METAL THICKNESS

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FLOOR JOIST TABLE

LIVE LOAD PSF	JOIST SPACING STANDARD	OPTIONAL UP GRADE TO STIFFEN FLOOR		
		32"	24"	16"
50	48"			

REVISIONS

1			
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WILLIAM SCOTTSMAN

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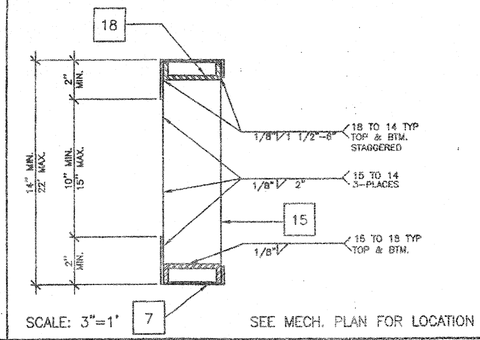
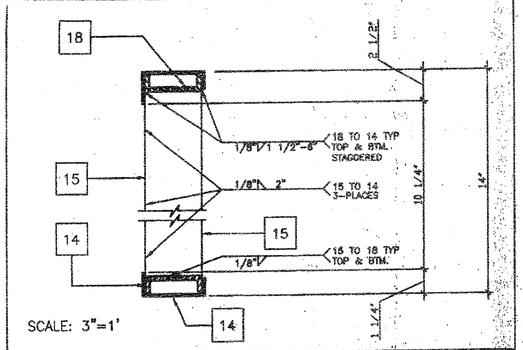


SCALE: 3"=1'

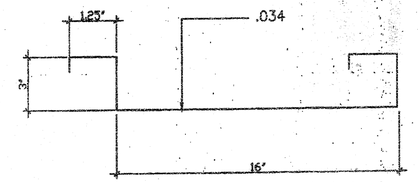
SEE MECH. PLAN FOR LOCATION

MECH. DUCT OPENING IN ROOF BM. 8



SCALE: 3"=1'

MECH. DUCT OPENING IN HEADER 4

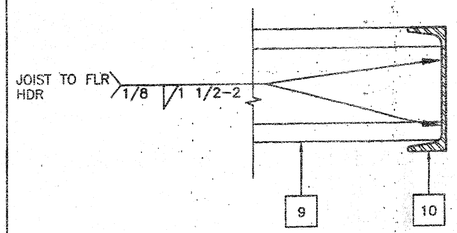


Sx(MIN) = 0.296 IN3
Ix(MIN) = 0.446 IN4

Sx(MAX) = 0.33 IN3
Ix(MAX) = 0.603 IN4

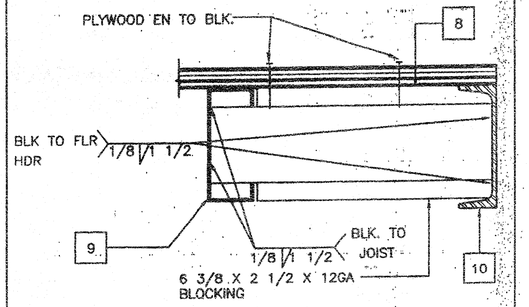
SCALE: NTS

ROOF PAN (22GA.) 5



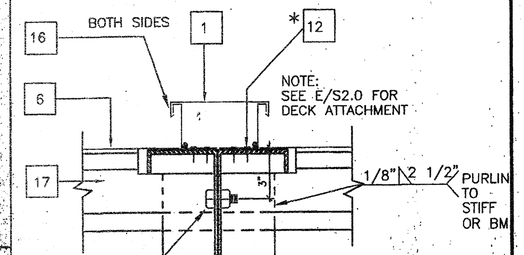
SCALE: 3"=1'

FLOOR FRAME/JOIST TO BEAM 6



SCALE: 3"=1'

BLOCK AT MIDSPAN 10

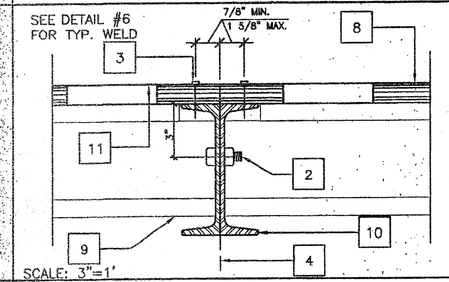


SEE 9/S2.2 FOR TYP. WELD STIFFENER TO BEAM

* DO NOT PENETRATE METAL ROOF DECK

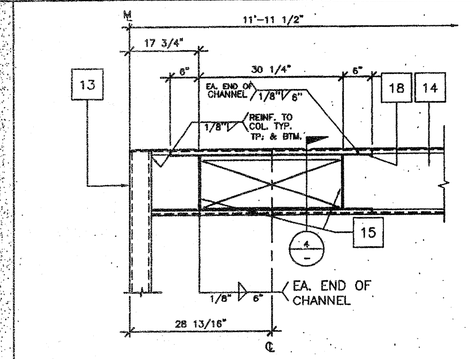
SCALE: 3"=1'

ROOFING • MODLINE 1



SCALE: 3"=1'

MODULE JOINT AT FLR. 12'-0" 2



SCALE: 1"=1'

ELEVATION-OPENING 3

KEY NOTES

1	CAP CLOSURE AT RIDGE 26GA. GALV. W/#10 TYPE FASTENERS W/NEOPRENE WASHERS TO RIB BOTH SIDES OF MODLINE. SET CAP IN SEALANT. BOTH SIDES.
2	5/8" M.B. A307 MODULE JOINT (SEE STRUCTURAL PLAN FOR LOCATION) AT 8" O.C.
3	E.N.
4	MODULE JOINT
5	14" THK X 3" FULL DEPTH STIFFENER PLATE AT RIDGE ONLY (SEE 9/S2.2)
6	STANDING ROOF SEAM (SEE A2.0)
7	ROOF BEAM SEE 1/S2.2 & 7/S2.2
8	PLYWOOD FLOOR SHEATHING
9	FLOOR JOIST SEE 6/S2.2
10	FLOOR BEAM SEE 5/S2.2
11	HAND HOLE AT BOLT LOCATION
12	#14 STSMS.
13	3 1/2"X3 1/2"X1/4" STEEL TUBE COLUMN. SEE 12/S2.2
14	ROOF HEADER SEE 3/S2.2
15	1/4" STIFFENER PLATE SEE 9/S2.2 FOR TYP. WELD
16	SEALANT
17	ROOF PURLIN SEE 2/S2.2
18	3 1/4" X 1" X 45 11/16" LG X 10GA CHANNEL TOP AND BOTTOM OF OPENING

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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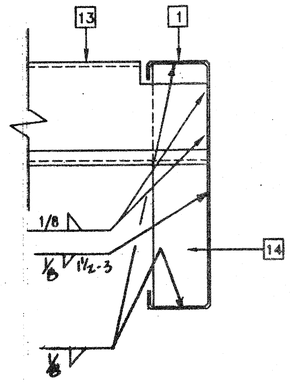
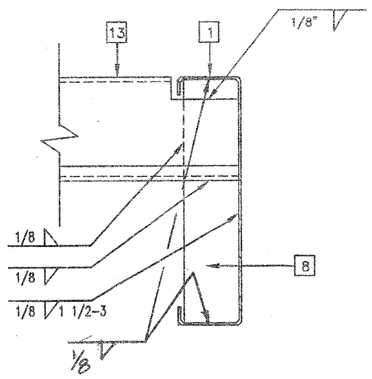
STRUCTURAL DETAILS

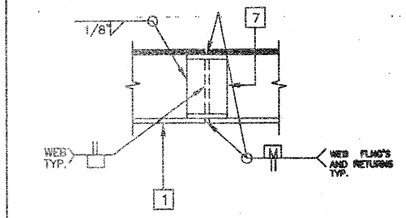
S1.2



PURLIN AT INT. SIDE WALLS | 13

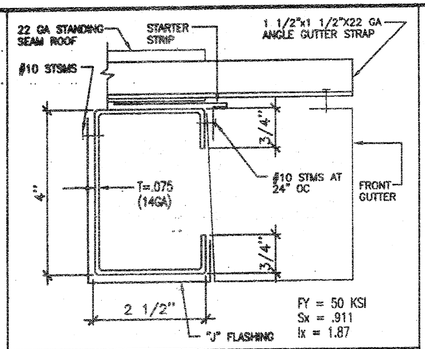


PURLIN AT EXT. SIDE WALLS | 11

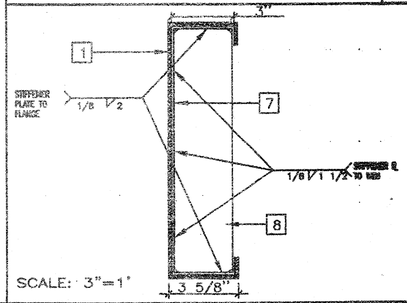


SCALE: 3"=1'

BEAM SPLICE AT RIDGE | 8

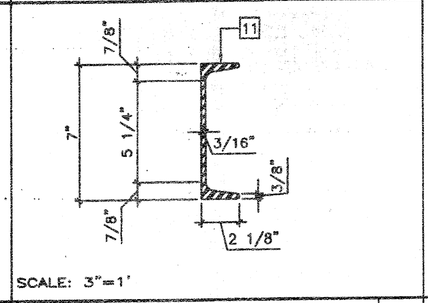


OPTIONAL FACIA AT 5' OVERHANG BM. | 4



SCALE: 3"=1'

BEAM SPLICE W/STIFFENER | 9



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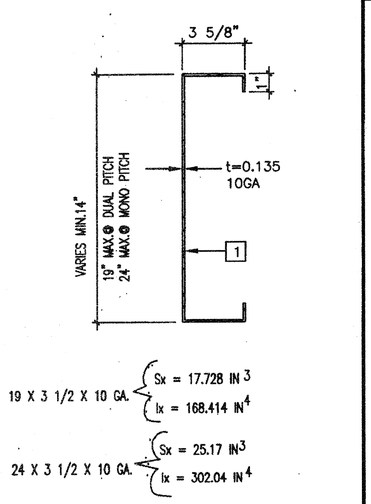
FLOOR BEAM C7X9.8 | 5



SCALE: 3"=1'

TAPERED ROOF BEAM | 1

KEY NOTES

1. 10GA. TAPERED RF. BM. SEE DETAIL #1 & #7
2. NOT USED
3. TS 3 1/2"X3 1/2"X1/4" COLUMN
4. ⊏ 14"X12GA. RF. HDR. SEE DETAIL #3
5. NOT USED
6. FLOOR JOIST SEE DETAIL #6
7. 10GA. BENT PLATE BACK-UP
8. STIFFENER PLATE 3"X1/4" THICK AT 4'-0" OC
9. #10 STSMS @ 6" O.C. (SEE S1.0)
10. PLYWOOD FLR. SHEATHING
11. FLOOR BEAM SEE DETAIL #5
12. NOT USED
13. ⊓ 6" X 2 1/2" X 14GA PURLIN
    ALT: ⊓ 4" X 3" X 12GA DETAIL #2
14. STIFFENER PLATE 3"X1/4" THICK AT 8'-0" OC

TS 3 1/2" X 3 1/2" X 1/4"

CORNER COLUMN | 12

SCALE: 3"=1'

FLR LOIST AT FLOOR BEAM | 10

JOIST

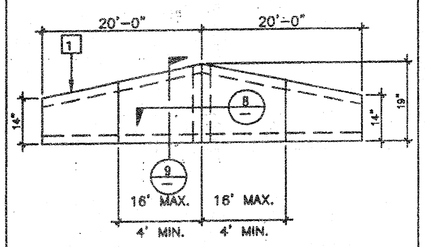
ALTERNATE JOIST

FLOOR JOIST | 6

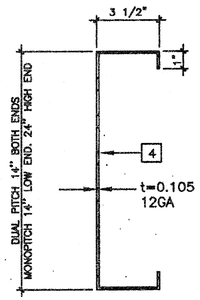
PURLIN

ALTERNATE PURLIN

ROOF PURLIN 3" = 1'-0" | 2



BM. SPLICE @ RIDGE (DUAL SLOPE) | 7



SCALE: 3"=1'

ROOF HEADER | 3

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PC Professional of Record Seal

LICENSED ARCHITECT
FREDERICK MAYLOCK
No. C-24525
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

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

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WILLIAM SCOTTSMAN

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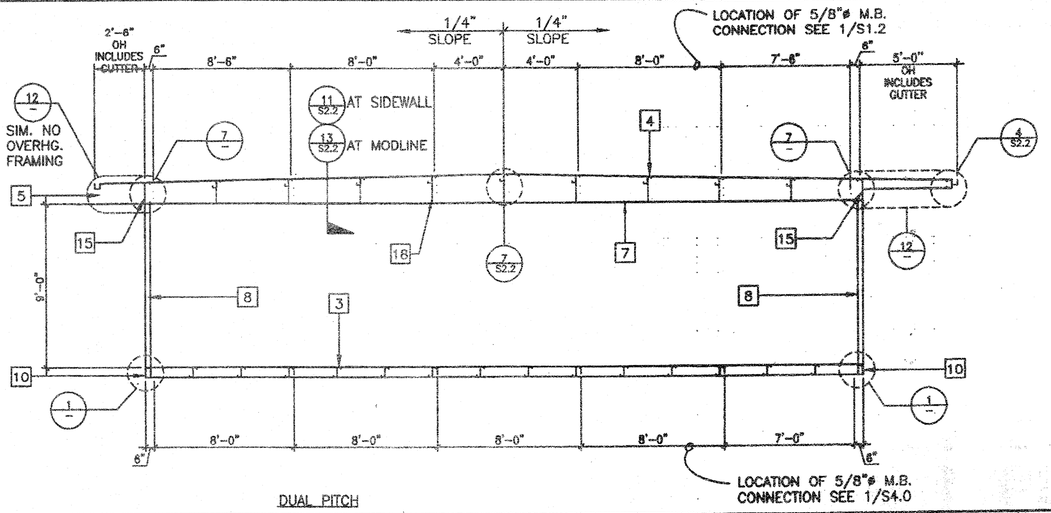
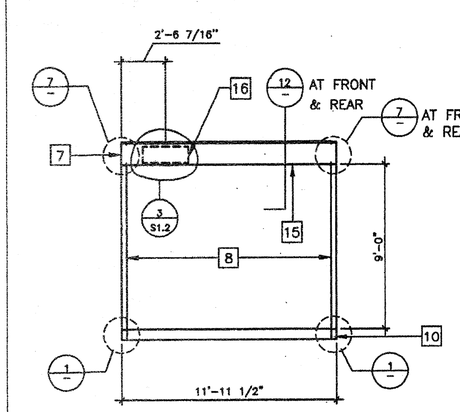


DUAL PITCH

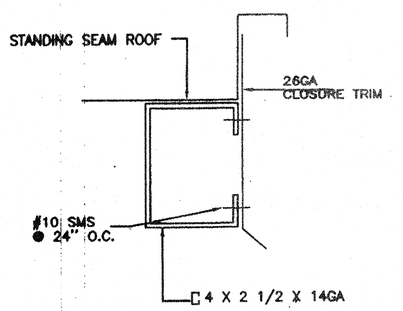
10 **SECTION AT SIDEWALL**



B **SECTION AT ENDWALL** A

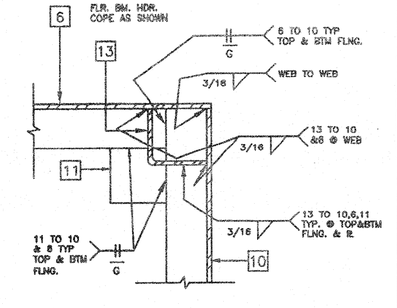
KEY NOTES

1. EN ● PLYWOOD EDGES
2. 22GA STANDING SEAM ROOF
3. 6 3/8"X2 1/2"X12GA. FLR. JOIST 6/S2.2
4. 6X2 1/2"X14GA. ROOF PURLIN 2/S2.2
5. ~~3"x3"x3"X26GA ROOF END CLOSURE W/#10 STSMS W/NEOPRENE WASHER TOP & BOTT.~~
6. [7 X 9.8 FLOOR HEADER
7. [10 GA. TAPERED ROOF BEAM (SEE 1/S2.2) OR 12/S2.2 REFER TO RF. FRAMING PLAN
8. T.S. 3 1/2"X3 1/2"X1/4" COLUMN
9. BACK-UP PLATE MIN. 10 GA.
10. [7X9.8 FLOOR CHANNEL
11. 3 1/2"X3 1/2"X1/4" STEEL PLATE WELDED FLUSH TO TOP AND BOTTOM OF CHANNEL FLANGES
12. NOT USED
13. 3 1/2X3 1/2X1/4 STIFFENER ANGLE COPE TO FIT C7 X 9.8
14. STIFFENER TS 3 1/2X3 1/2X1/4
15. [14"X3 1/2"X12GA. HEADER (SEE 3/S2.2)
16. LOCATION OF HVAC OPENING
17. 3"X3"X1/4" THICK X 1/2" LONG INSERT POST
18. 1/4" FULL DEPTH STIFFENER PLATE AT 4'-0" OC AT EXTERIOR SIDEWALLS ONLY FOR 80 MPH DESIGN WIND LOAD ONLY
19. 1/4" BASE PLATE-INSERT FLUSH WITH STIFFENER TUBE
20. (1) 3"x3"x10 GA TUBE STEEL BACK-UP TUBE OR (4) 10 GA BACK-UP PLATES



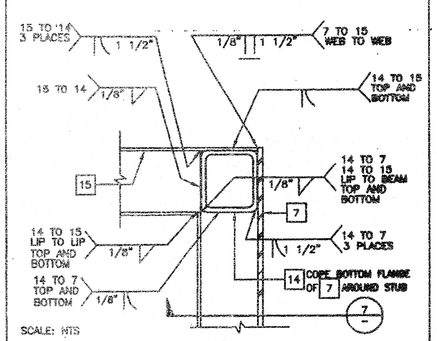
SEE 4/S2.2

SECTION THRU OVERHANG BEAM 11



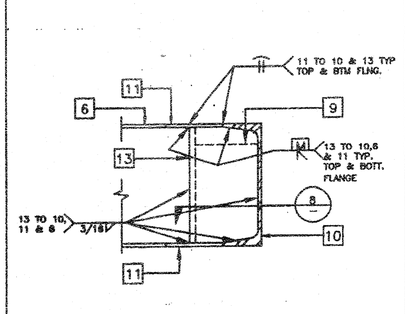
SCALE: 3"=1'

STIFFENER SECTION AT FLOOR 8



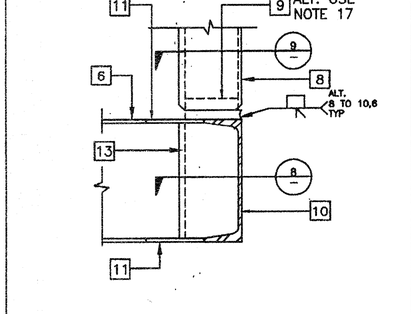
SCALE: NTS

STIFFENER AT ROOF 6



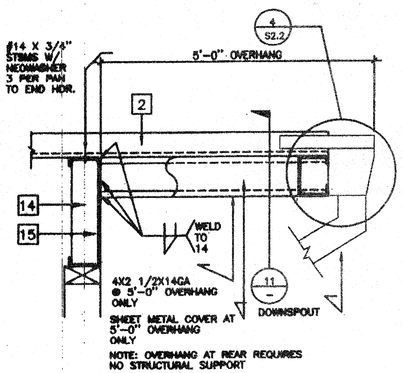
SCALE: 3"=1'

COLUMN CONN. AT FLOOR 4



SCALE: 3"=1'

COLUMN CONN. AT FLR. 1



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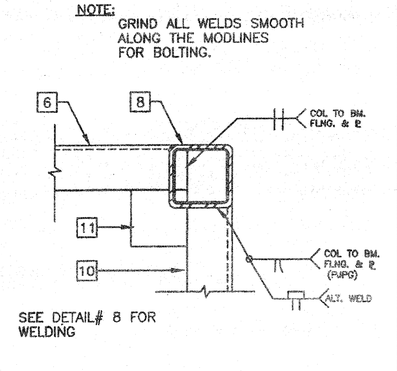
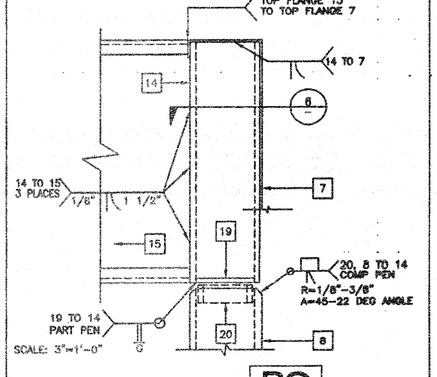
GUTTER AT OVRHNG AT FRONT 12



SCALE: 3"=1'

COLUMN AT FLOOR 9



SCALE: 3"=1'-0"

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COLUMN AT ROOF 7

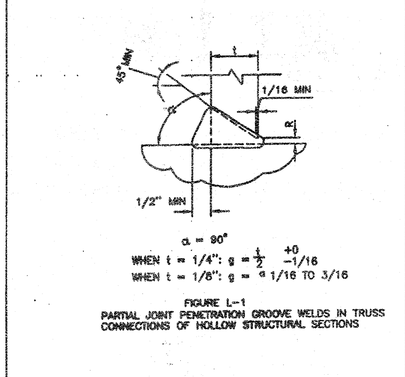
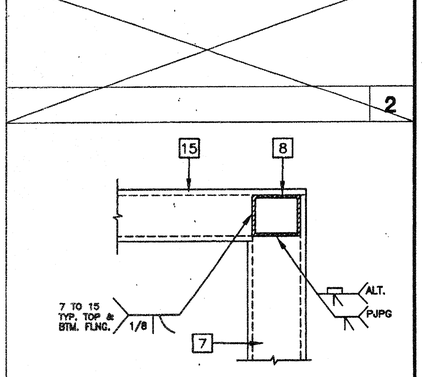


FIGURE L-1
PARTIAL JOINT PENETRATION GROOVE WELDS IN TRUSS CONNECTIONS OF HOLLOW STRUCTURAL SECTIONS

P.J.G.P. WELD DETAIL 5



SCALE: N.T.S.

COLUMN AT ROOF BEAM 3

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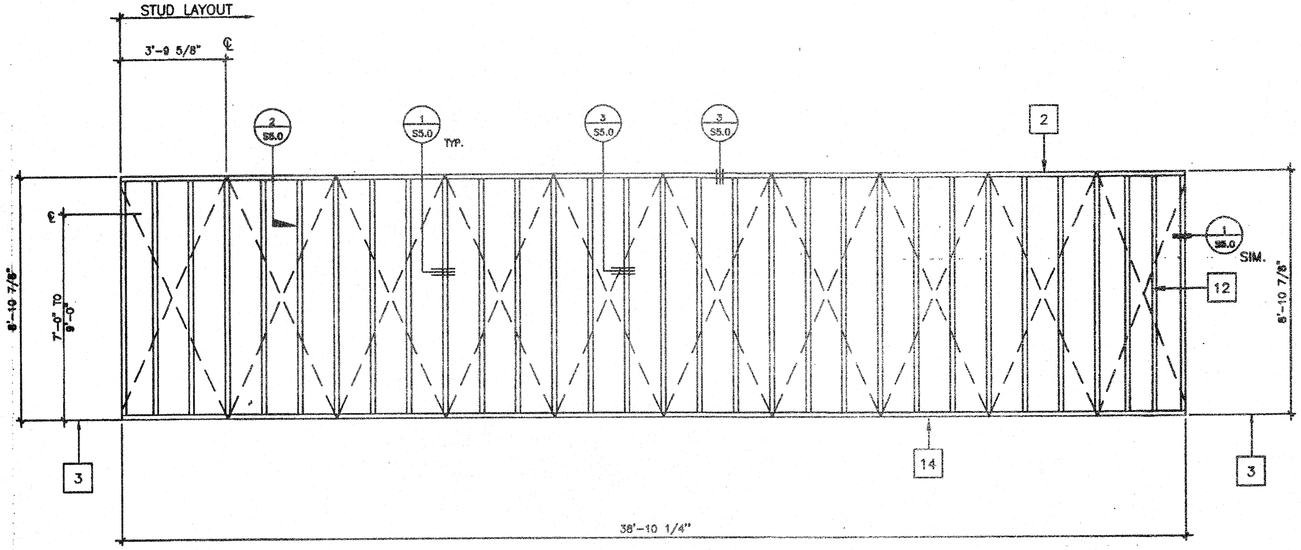
STRUCTURAL ELEVATIONS W/ FASCIA

S3.0



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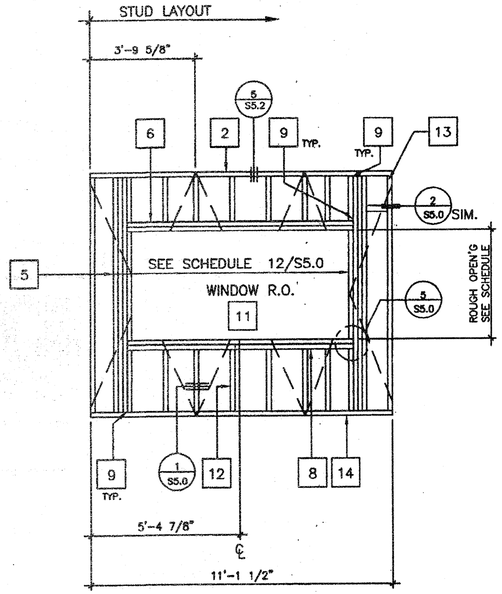

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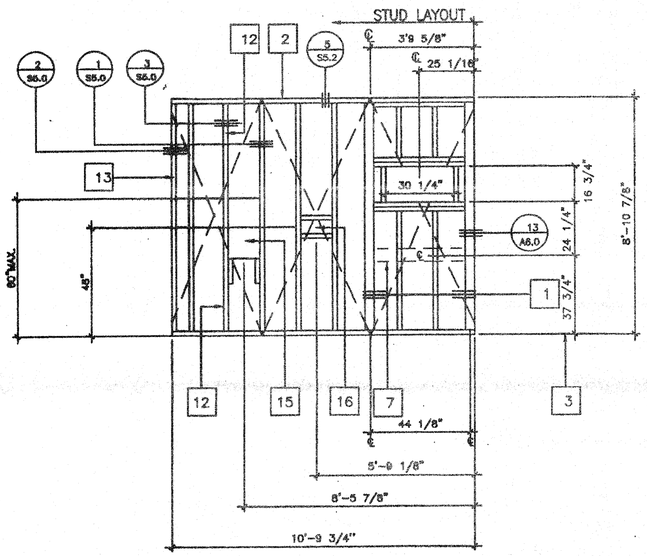

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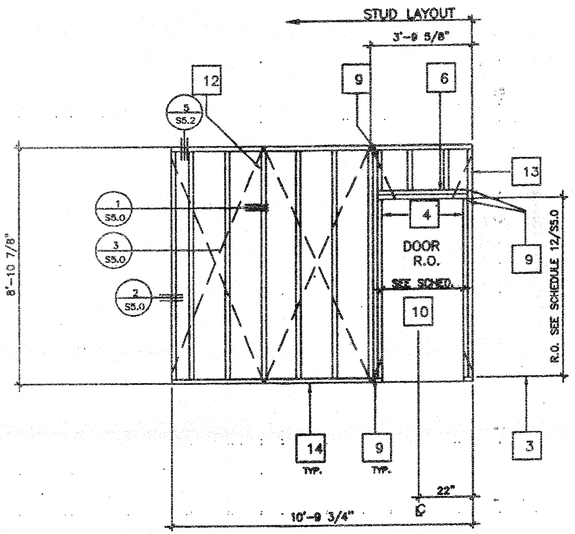

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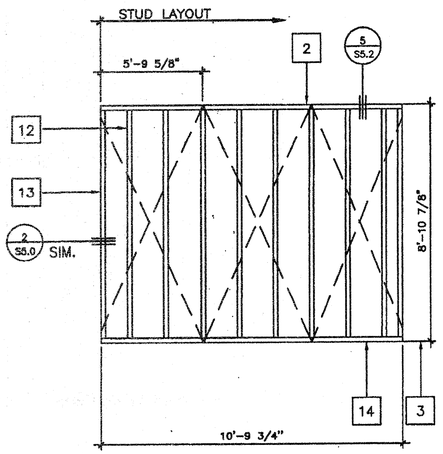

E

SCALE 3/8"=1'

KEY NOTES

1	4 X 4 POST ALT.:USE 2–2X4 W/FACE NAILING
2	2X4 TOP PLATE
3	FINISH FLOOR
4	2X4 FULL HGT. KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY SHT S5.0)
5	FULL HEIGHT STUDS AND 1–2X4 TRIMMER (SEE WINDOW SCHEDULE FOR JAMB STUDS REQUIRED. SHEET S5.0.
6	HEADER (SEE SCHEDULE)
7	2"x6" LET IN FOR AC SUPPORT
8	WINDOW SILL PLATE (SEE SCHEDULE)
9	A 34 CLIPS AT HEADER & SILL TO FULL HGT. STUDS AND FULL HGT. STUDS TO TOP AND BOTTOM PLATES.SEE 4/S5.0
10	REQUIRED OPENING FOR A 3068 DOOR (SEE DETAIL 7/S5.0)
11	REQUIRED OPENING FOR A 8040 WINDOW (SEE DETAIL 6/S5.0)
12	2X4 STUD AT 16" O.C. TYPICAL
13	2X4 NAILER TYPICAL AT EACH END
14	2X4 SILL PLATE
15	FRAME FOR ELECTRICAL PANEL
16	THERMOSTAT LOCATION 4S BOX
17	~~2"x4" BLOCKING AT EXTERIOR PLYWOOD SIDING JOINT~~

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Mechanical Engineer's Seal

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LICENSED ARCHITECT
FRED VINCENT HALLOCK
No. C-24093
12/31/03
RENEWAL DATE
STATE OF CALIFORNIA

Architects Seal

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WALL FRAMING

WOOD STUDS

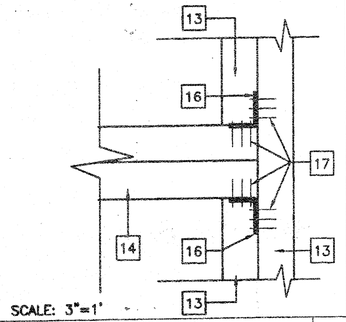
S4.0

NAILING SHEDULE

CONNECTION	NAILING [1]
1. JOIST TO SILL OR GIRDER,TOENAIL.	2–10d
2. BRIDGING TO JOIST, TOENAIL END END	2–8d
3. 1" X 6" (25 mm X 152mm) SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL.	2–76d
4. WIDER THAN 1" X 6" (25 mm X 152 mm) SUBFLOOR TO EACH JOIST, FACE NAIL.	3–8d
5. 2" (51MM) SUBFLOOR TO JOIST OR GRINDER, BLIND AND FACE NAIL.	2–16d
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d at 16" (406mm) o.c.
SOLE PLATETO JOIST OR BLOCKING, AT BRACED WALL PANELS	3–16d per 16" (406mm)
7. TOP PLATE TO STUD, END NAIL.	2–16d
8. STUD TO SOLE PLATE	4–8d, beanail or 2–16d, end nail
9. DOUBLE STUDS, FACE NAIL	16d at 24" (610mm) o.c.
10. DOUBLE TOP PLATES, TYPICAL FACE NAIL.	16d at 16" (406mm) o.c.
DOUBLE TOP PLATES, LAP SPLICE.	8–16d
11. BLOCKING BETEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL.	3–8d
12. RIM JOIST TO TOP PLATE, TOENAIL.	8d at 6" (152mm) o.c.
13. TOP PLATES, LAP AND INTERSECTIONS, FACE NAIL.	2–16d
14. CONTINUOUS HEADER, TWO PIECES.	16d at 16" (406mm) o.c. along each edge
15. CEILING JOIST TO PLATE, TOENAIL.	3–8d
16. CONTINUOUS HEADER TO STUD, TOENAIL.	4–8d
17. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL.	3–16d
18. CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL.	3–16d
19. RAFTER TO PLATE, TOENAIL.	3–8d
20. 1" (25 mm) BRACE TO EACH STUD AND PLATE, FACE NAIL.	2–8d
21. 1" X 8" (25 mm X 203 mm) SHEATHING OR LESS TO AECH BEARING, FACE NAIL.	2–8d
22. WIDER THAN 1" X 8" (25mm X 203mm) SHEATHING TO EACH BEARING, FACE NAIL.	3–8d
23. BUILT–UP CORNER STUDS	16d at 24" (610mm) o.c.
24. BUILT–UP GIRDER AND BEAMS.	20d AT 32" (813 mm) O.C. AT TOP AND
BOTTOM AND STAGGERED 2–20d AT ENDS AND AT EACH SPLICE.	BOTTOM AND STAGGERED 2–20d AT ENDS AND AT EACH SPLICE.
25. 2" (51mm) PLANKS	
26. WOOD STRUCTURAL PANELS AND PARTICLEBOARD:[2] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING): (1 INCH=25.4mm)	
1/2" AND LESS	8d[3]
19/32" – 3/4"	8d[4] OR 8d[5]
7/8" – 1"	8d[3]
1 1/8" – 1 1/4"	10d[4] OR 8d[5]
COMBINATION SUBFLOOR–UNDERLAYMENT (TO FRAMING): (1 INCH=25.4mm)	
3/4" AND LESS	8d[5]
7/8" – 1"	8d[5]
1 1/8" – 1 1/4"	10d[4] OR 8d[5]
27. PANEL SIDING (TO FRAMING):	
1/2" (13 mm) OR LESS	6d[6]
5/8" (16 mm)	8d[6]
28. FIBERBOARD SHEATHING	
1/2" (13 mm)	NO. 11 GA[8] 6d[4]
25/32" (20 mm)	NO. 16 GA.[8] NO 11 GA.[8] 8d[4] NO.16 GA.[8]
29. INTER PANELING	
1/4" (6.4 mm)	4d 10
3/8" (9.5 mm)	6d 11

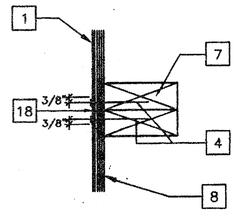
NOTE: All nail shall be box nails unless otherwise noted.

1. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
2. NAILS SPACED AT 6"(152MM) ON CENTER AT EDGES, 12"(305MM) AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES (152MM) AT ALL SUPPORTS WHERE SPANS ARE 48"(1219MM) OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE DIAPHRAMS AND SHEAR WALLS, REFERTO SECTION 2314.3. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
3. COMMON OR DEFORMED SHANK
4. COMMON
5. DEFORMED SHANK
6. CORROSION–RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
7. FASTENERS SPACED 3 INCHES(76MM) ON CENTER AT EXTERIOR EDGES AND 6 INCHES(152MM) ON CENTER AT INTERMEDIATE SUPPORTRS.
8. CORROSION–RESISTANT ROOFING NAILS W/7/16(11MM) HEAD AND 1 1/2 INCH(38MM) LENGHT FOR 1/2 INCH(13MM) SHEATHING AND 1 3/4 INCH(44MM) LENGHT FOR 25/32 INCH(20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
9. CORROSION–RESISTANT STAPLES WITH NOMINAL 7/16 INCH(11MM) CROWN AND 1 1/8 INCH(29MM) LENGHT FOR 1/2 INCH(13MM) SHEATHING AND 1 1/2 INCH(38MM) LENGHT FOR 25/32 INCH(20MM) SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
10. PANEL SUPPORTS AT 16 INCHES(406MM) 120 INCHES(508MM) IF STRENGGHT AXIS IS IN THE LONG DIRECTION OF PANEL UNLESS OTHERWISE MARKED. CASING OR FINISH NAILS SPACED 6 INCHES(152MM) ON PANEL EDGES. 12 INCHES (152MM) AT INTERMEDIATE SUPPORTS.
11. PANEL SUPPORTS AT 24 INCHES(610MM). CASING OR FINISH NAILS SPACED 6 INCHES(152MM) ON PANEL EDGES. 12 INCHES(305MM) AT INTERMEDIATE SUPPORTS.
12. NAIL DAMEN INTO PRESSURE TREATED SILL PLATES SHOULD BE GALV.



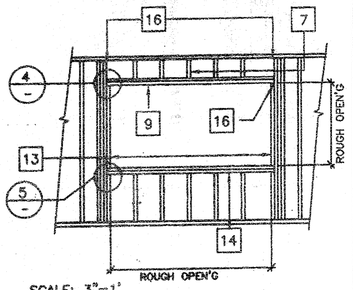
SCALE: 3"=1'

9 WINDOW SILL AT JAMB 5



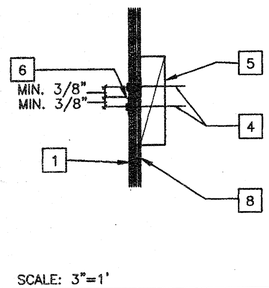
SCALE: 3"=1'

DETAIL AT VERT. PLYWOOD EDGES 1



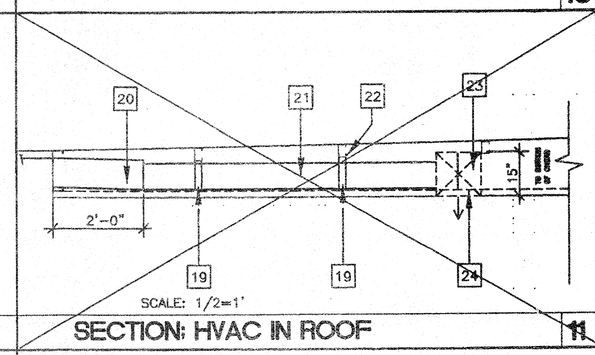
SCALE: 3"=1'

10 TYP. WINDOW FRAMING 6



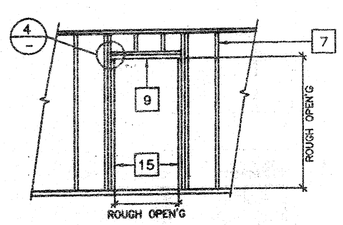
SCALE: 3"=1'

DETAIL AT HORIZ PLYWOOD JOISTS 2



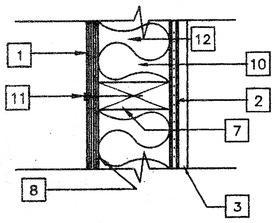
SCALE: 1/2=1'

SECTION: HVAC IN ROOF 11



SCALE: 3"=1'

TYP. DOOR FRAMING 7



SCALE: 3"=1'

SECTION AT STUD 3

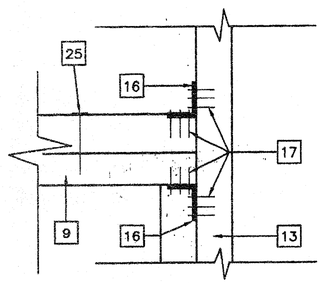
OPENING SCHEDULE				ROUGH OPENING	
OPENING	HDR.	SILL	JAMB	HEIGHT	WIDTH
3068	(2) 2X4	(2) 2X4	(2) 2X4 *	81 1/4"	36"
8040	(3) 2X4	(2) 2X4	(3) 2X4 *	48 1/8"	96 1/8"

* FULL HEIGHT STUDS

ALTERNATE: METAL STUD 3 1/2 " X 20 GA.
IN LIEU OF 2X4 WD. STUDS

ROUGH OPENING SCHEDULE 12

8



SCALE: 3"=1'

HEADER DETAIL 4

KEY NOTES

1	EXTERIOR PLYWOOD SIDING – SHEATHING NAIL W/GALV. BOX NAILS –8d AT 6" O.C. EDGES, 8d AT 12" O.C. IN FIELD
2	GYP. BOARD
3	TYP. INTERIOR FINISH–SEE FINISH SCHEDULE
4	E.N.
5	2X4 BLK'G
6	"Z" FLASHING
7	2X4 AT 16" O.C./DBL. 2X4 AT VERT. SIDING JOINT
8	WATERPROOF MEMBRANE
9	HEADER (SEE SCHEDULE S5.0)
10	INSULATION (SEE SPECIFICATIONS)
11	8d ELECTRO GALV. 12" O.C.FN.
12	2X4 SILL PLATE (BELOW)
13	FULL HEIGHT STUDS AND 1–2X4 TRIMMER (SEE OPENING SCHEDULE FOR JAMB STUDS REQ'D FOR DOORS & WINDOWS ONLY)
14	SILL PLATE (SEE SCHEDULE)
15	2X4 FULL HEIGHT KING STUDS AND 2X4 TRIMMER (SEE SCHEDULE FOR QUANTITY)
16	A 34 CLIPS AT HEADER AND SILL TO FULL HEIGHT STUDS AND FULL HEIGHT STUDS TO TOP AND BOTTOM PLATES
17	9GA. 8d 1 1/2" NAILS
18	LAP JOINT
19	2" WIDE DUCT SUPPORT STRAP @ 48" O.C.
20	PLENUM
21	DUCTWORK
22	ROOF PURLIN
23	TRANSFER BOX
24	ROOF CHANNEL
25	16D @ 16" O.C.

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NOTES

1. NAILING:
–NAILING IN ACCORDANCE W/ T.24 C.A.C TABLE 2–25 P
–ALL NAILS EXPOSED TO WEATHER SHALL BE GALV.
–MACHINE APPLIED NAILING SHALL HAVE PRIOR DEMOSTRATION AND APPROVAL BY O.S.A. / DSA FIELD REP. AND THE ARCHITECT.

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12/31/03
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MODTECH INC.
2830 BARRETT AVENUE. FAX (909) 943–4014
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PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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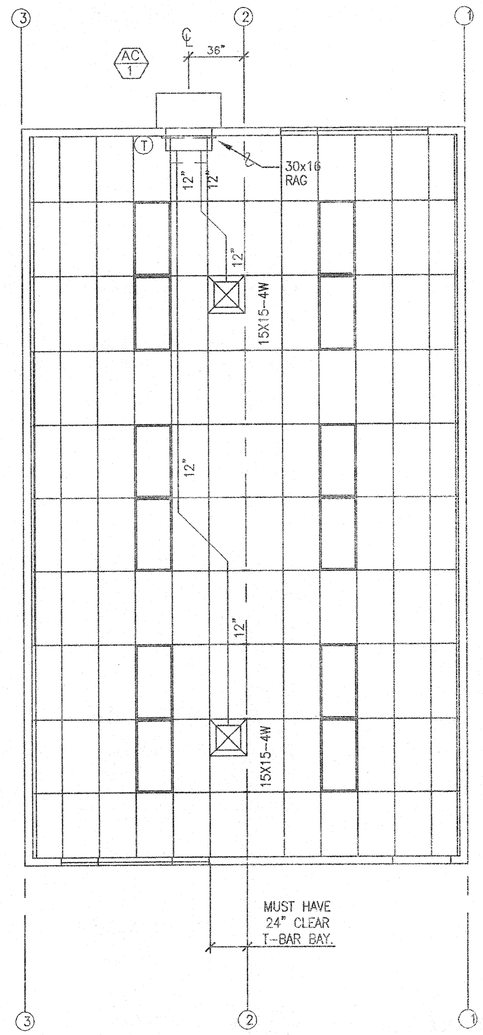
FRAMING DETAILS

WOOD STUDS

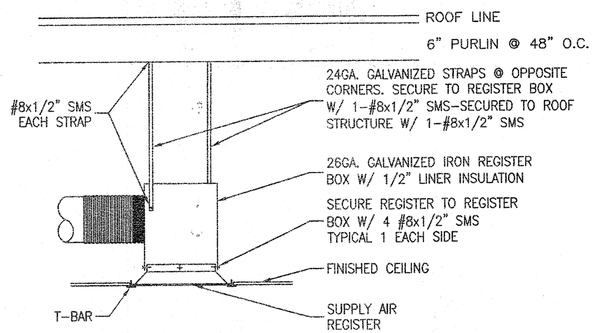
S5.0



AIR CONDITIONING PLAN VIEW 24'X40' BUILDING

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

TYP. OF 1 BUILDING.



REGISTER BOX DETAIL

N.T.S.

EQUIPMENT & MATERIAL SCHEDULE

AC 1 — MARVAIR MODEL# AVP42HPA05NB WALL MOUNTED HEAT PUMP
42,500 BTUH COOLING, SEER = 10.20
42,500 BTUH HEATING, HSPF = 6.60
1,400 CFM NOMINAL @.2"S.P.,WT. = 545 LBS.
208/230v-1PH-60CY, MAX. F.L.A. = 48.53 AMPS
WITH FACTORY MOTORIZED DAMPER

SUPPLY AIR PLENUM: GALV. IRON SHEETS W/ 1/2" LINER INSULATION

INTERIOR DUCTWORK:FLEX DUCT CLASS 1 UL-181

REGISTER BOXES: GALV. IRON SHEETS W/ 1/2" LINER INSULATION

SUPPLY AIR REGISTERS: METALAIRE '7650-6' SERIES

RETURN AIR GRILLES: METALAIRE 'RH' SERIES

THERMOSTAT: WHITE RODGERS '1F92' SERIES

ATTACH ALL SUPPLY AND RETURN AIR REGISTERS TO REGISTER BOXES WITH 4-#8x1/2" S.M.S. - ATTACH REGISTER BOX TO ROOF STRUCTURE WITH 2-1 1/2" GALV. STRAPS AT OPPOSITE CORNERS

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LEGEND AND ABBREVIATIONS

———	SUPPLY DUCT	⟵∿⟶	DIRECTIONAL AIR FLOW
— — —	RETURN DUCT	⟵∿⟶	BAROMETRIC RELIEF DAMPER THRU WALL
12"	NUMBER INDICATES DUCT SIZE	⟵∿⟶ UCD	UNDERCUT DOOR
	RETURN REGISTER	(R)	BAROMETRIC RELIEF DAMPER THRU ROOF
	RETURN REGISTER	(T)	THERMOSTAT (+48")
	SUPPLY REGISTER	—f—	DAMPER
	EXHAUST FAN		EQUIPMENT CALLOUT: TOP = EQUIPMENT TYPE BOTTOM = IDENTIFICATION
	12"x12" HOLE THRU BEAM	E	ELECTRICAL LOCATION
△	16"x12" HOLE THRU BEAM	CD	CONDENSATE DRAIN
◆—	FIRE DAMPER	G	GAS LOCATION

MECHANICAL (HVAC) PLAN (12-LIGHTS)

OPP-HAND

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

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Architects Seal

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PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

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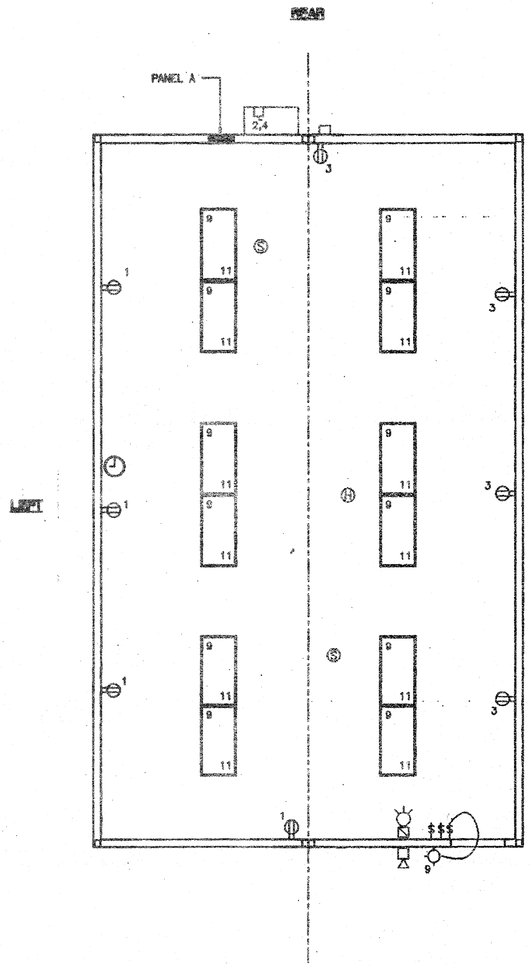
MECHANICAL (HVAC) PLAN 3 1/2 TON

M1.0

ELECTRICAL PANEL SCHEDULE

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

LOAD	WATTS A@	WATTS B@	BREAKER Amps	BREAKER P	CKT	A	B	CKT	BREAKER P	BREAKER Amps	WATTS A@	WATTS B@	LOAD
RECEPTACLE	720		20	1	1			2	2	60	7080		HVAC (3 1/2T)
RECEPTACLE/CLOCK		720	20	1	3			4	--	--		7080	HVAC (3 1/2T)
					5			6					
					7			8					
INT/EXT LIGHTS	900		20	1	9			10					
INT. LIGHTS		840	20	1	11			12	--	--		40	FIRE ALARM (DEDICATED)
WATTS/PHASE A = 8700	1620	1560									7080	7120	B = 8680 WATTS/PHASE
TOTAL 17380 WATTS	72		AMPS		120/240 VOLTS				SINGLE ø				THREE WIRE

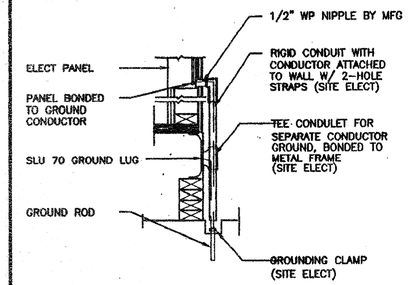


ELECTRICAL PLAN
OPP-HAND

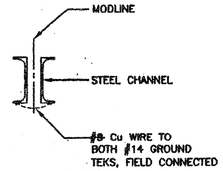
(24'x40')
SCALE: 1/4" = 1'-0"

GENERAL GROUNDING NOTES

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



TYP GROUNDING DETAIL | 1



GROUND JUMPER • MOD LINE | 2

ELECTRICAL LEGEND

- 2'x4' T8 LIGHTS W/ELECT. BALLAST [redacted]
- EXTERIOR LIGHT FIXTURE AT +93" AFF [redacted]
- SWITCH AT +48" AFF
- [redacted] SWITCH AT +48" AFF FOR EXT. LIGHT [redacted]
- DUPLEX WALL RECEPTACLE 15A 125V 3-WIRE AT +18" AFF UON
- HVAC UNIT (HV)
- 4SD J-BOX FOR FIRE ALARM PULL STATION AT +48" AFF, 3/4" CO TO OR . PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE/HORN AT +80" TO TO BOTTOM OF DEVICE AFF. 3/4" CO TO PULLSTRING.
- 4SD J-BOX FOR FIRE ALARM HORN AT +96" AFF 3/4" CO TO . PULLSTRING
- WEATHER PROOF GUTTER BOX (6"x6"x4") AT +18" AFF RECEIVE 3/4" CO FROM FA DEVICE, PULLSTRING
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE 1 1/4" POWER NIPPLE POC, GND JUMPER BY SITE ELECT
- CLOCK AT +90" AFF
- (H) 4SD J-BOX FOR HEAT DETECTOR (ATTIC) * MAX 25' FROM ANY WALL AND 50' BETWEEN THEM.
- (S) 4SD J-BOX FOR SMOKE DETECTOR (CEILING) * MAX 15' FROM ANY WALL AND 30' BETWEEN THEM.
- (D) 2 GANG J-BOX AT 18" w/ CONDUIT STUBBED UP TO ATTIC SPACE.

NOTES

1. SCHOOL EQUIPMENT ANCHORAGE

THE FOLLOWING IS FOR THE ARCHITECTS INFORMATION ONLY:

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

FOR ELECTRICAL DRAWINGS:

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

EQUIPMENT ON GRADE	33% OF OPERATING WEIGHT
EQUIPMENT ON STRUCTURE	40% OF OPERATING WEIGHT

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

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

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

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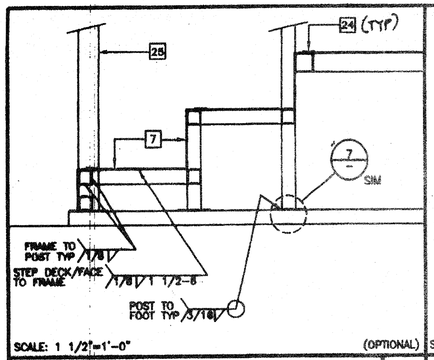
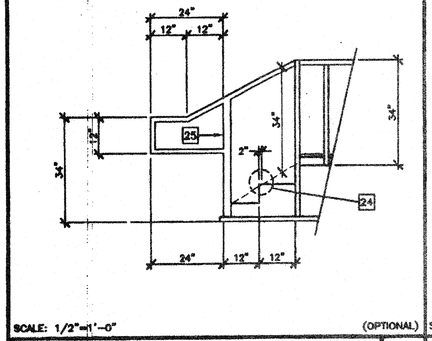
ELECTRICAL PLAN W/O DATA

E1.03



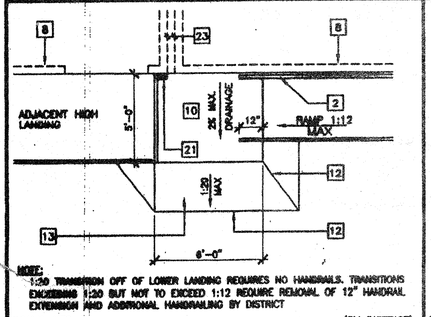
SCALE: 1 1/2"=1'-0" (OPTIONAL)

STAIR SECTION 16



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

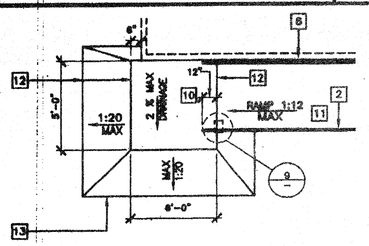
STAIR ELEVATION 17



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

SCALE: NTS (BY DISTRICT)

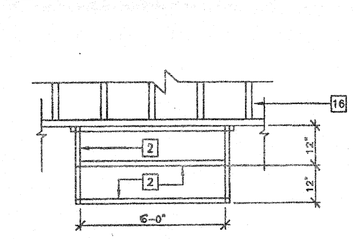
RAMP TRANSITION 18



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

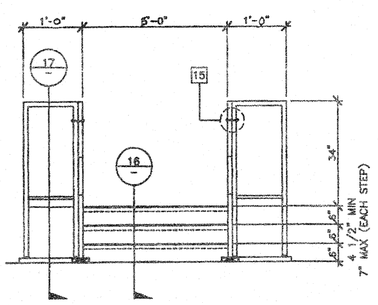
SCALE: NTS (BY DISTRICT)

RAMP TRANSITION 19



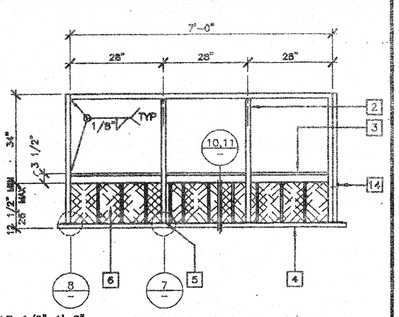
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR FRAMING PLAN 12



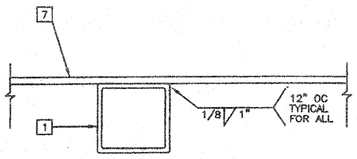
SCALE: 1/2"=1'-0" (OPTIONAL)

STAIR ELEVATION 13



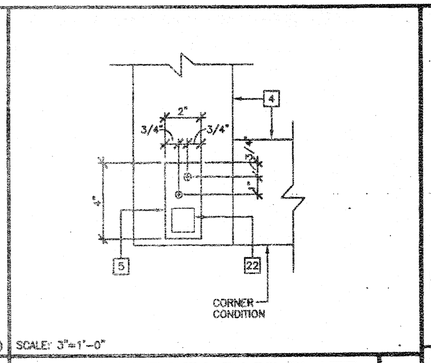
SCALE: 1/2"=1'-0"

LANDING ELEVATION 14



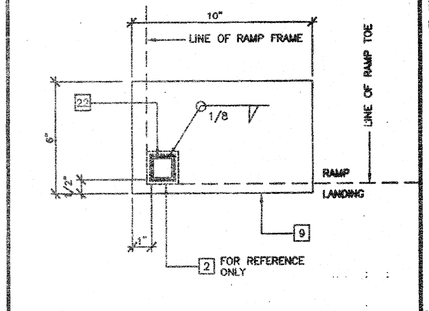
SCALE: NTS

RAMP TRANSITION 15



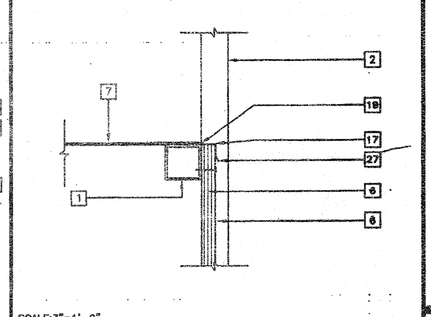
SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 8



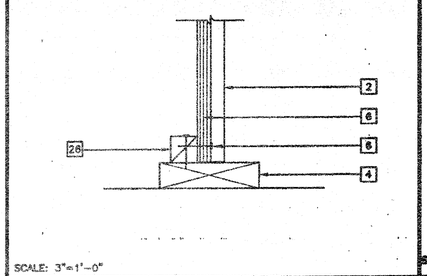
SCALE: 3"=1'-0"

BASE PLATE AT RAMP TOE 9



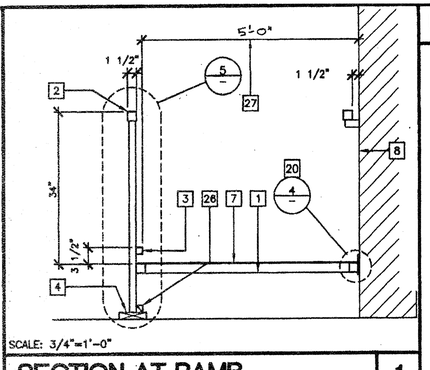
SCALE:3"=1'-0"

SKIRT FLASHING 10



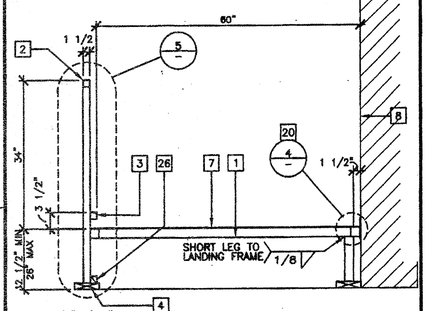
SCALE: 3"=1'-0"

SKIRT AT SILL PLATE 11



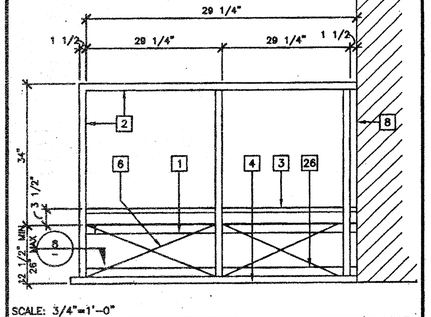
SCALE: 3/4"=1'-0"

SECTION AT RAMP 1



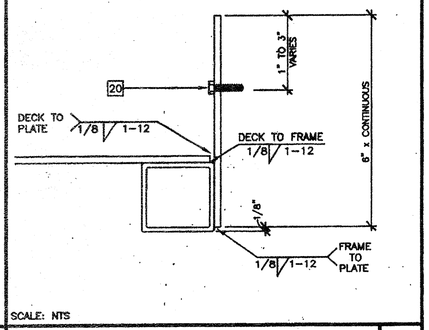
SCALE: 3/4"=1'-0"

SECTION AT LANDING 2



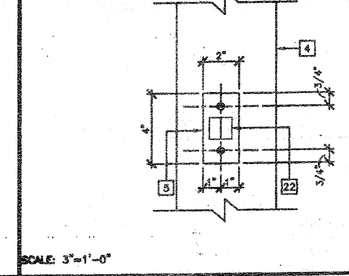
SCALE: 3/4"=1'-0"

END ELEVATION 3



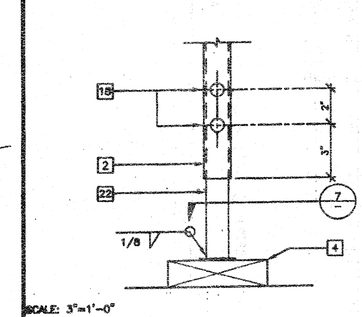
SCALE: NTS

SECTION AT PLATE 4



SCALE: 3"=1'-0"

ADJUSTABLE LEG 5



SCALE: 3"=1'-0"

ADJUSTABLE LEG 6

SCALE: 3"=1'-0"

ADJUSTABLE LEG BASE PLATE 7

KEY NOTES

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

04 105455 34
JUL 10 2003

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AC FLS SS 14
DATE JUL 17 2003

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

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03-117035
AC FLS SS
DATE 6/28/2016

REVISIONS

1			
2			
3			
4			
5			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PC Professional of Record Seal

LICENSED ARCHITECT FRED WRIGHT HALLMARK No. C-24999 12/31/03 RENEWAL DATE STATE OF CALIFORNIA

Architects Seal

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PC-04
104796
AC FLS SS
DATE 5/2/03

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

PROJECT NUMBER: 4736
WILLIAM SCOTTSMAN

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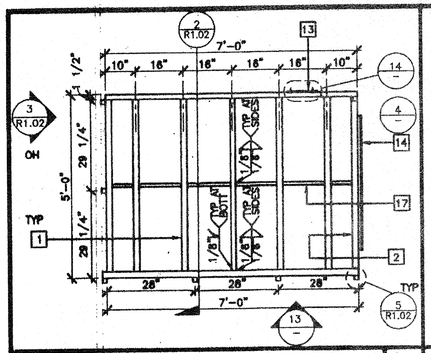
DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

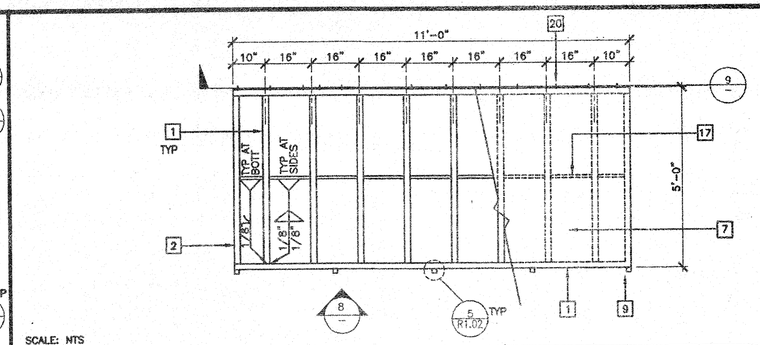
MODTECH Index No.

RAMP/LANDING DETAILS

R1.02

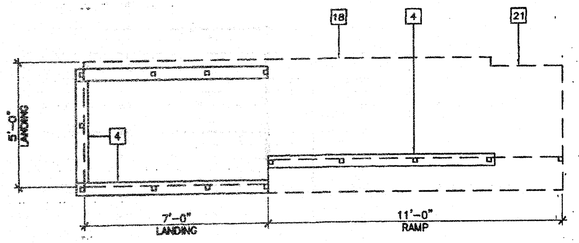


LANDING FRAME 12



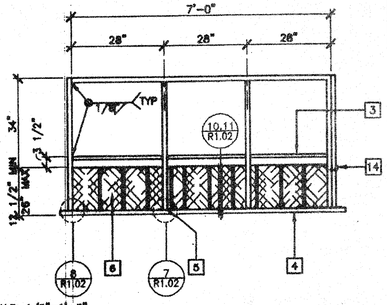
SCALE: NTS

RAMP FRAME 7



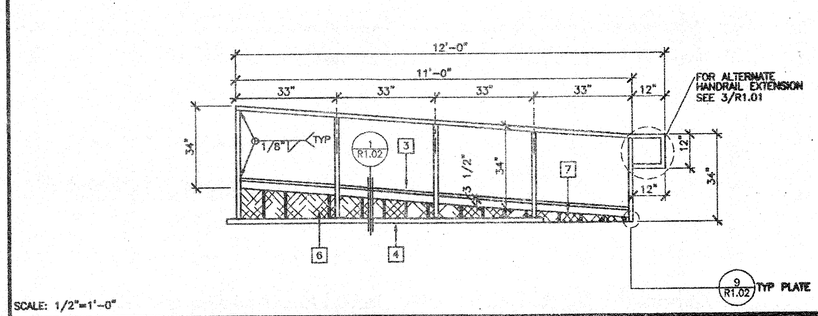
SCALE: 3/8"=1'-0"

SILL PLAN FOR RAMP AND LANDING 1



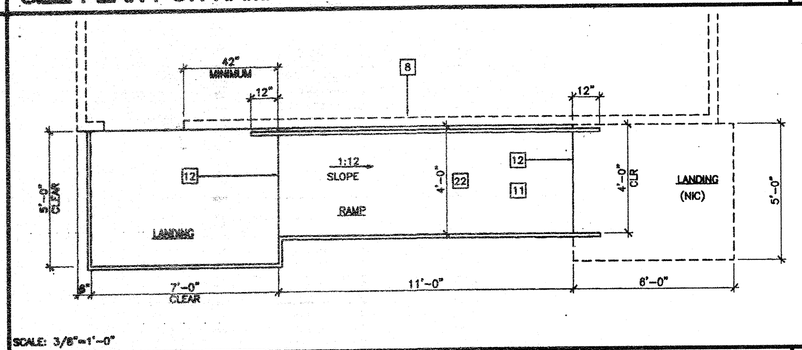
SCALE: 1/2"=1'-0"

LANDING ELEVATION 13



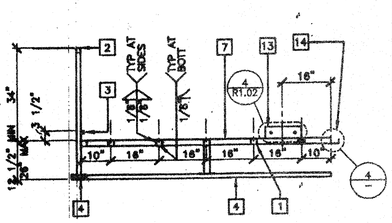
SCALE: 1/2"=1'-0"

RAMP ELEVATION 8



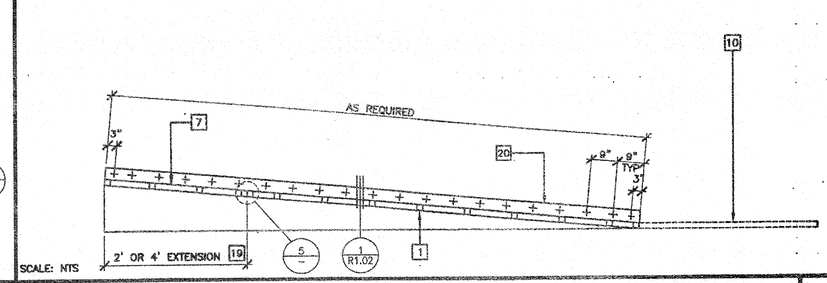
SCALE: 3/8"=1'-0"

RAMP AND LANDING AT BUILDING 2



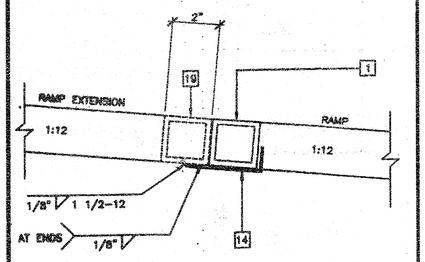
SCALE: NTS

SECTION AT LANDING 14



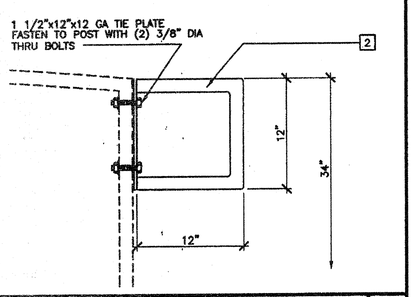
SCALE: NTS

LONGITUDINAL SECTION AT RAMP 9

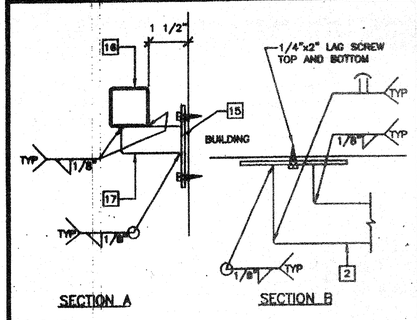


SCALE: NTS

RAMP EXTENSION TO RAMP 5



ALTERNATE GUARD RAIL EXTENSION 3



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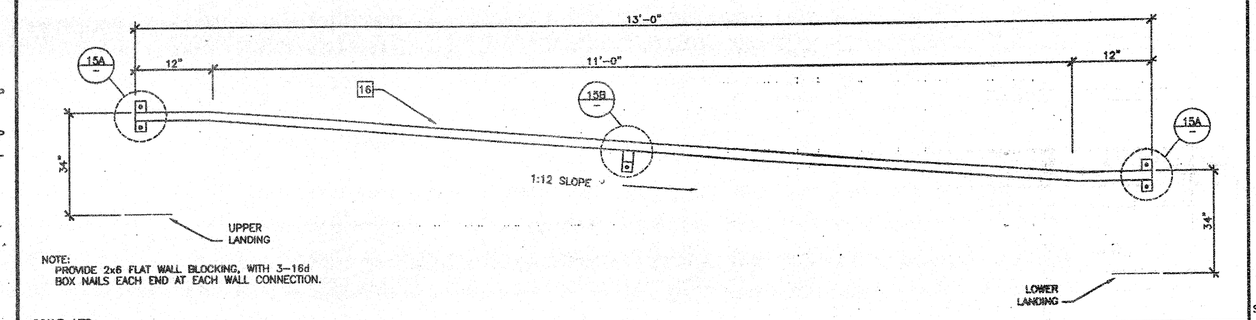
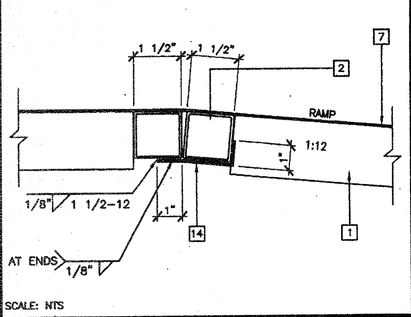
SECTION AT LANDING 14



SCALE: NTS

HANDRAIL ATTACHED TO BUILDING (OPTIONAL) 6



SCALE: NTS

RAMP AT LANDING 4

KEY NOTES

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

AGENCY TRACKING NO. 63321-154

FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035
AC MI FLS SS LY
DATE 6/28/2016

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105455
AC MI FLS SS MB
DATE JUL 17 2003

10384
JUL 10 2003

NOTES

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

REVISIONS

1			
2			
3			
4			
5			
6			

Electrical Engineer's Seal

Mechanical Engineer's Seal

PE Professional of Record Seal
LICENSED ARCHITECT REGISTRATION NUMBER 17,310 RENEWAL DATE 12/31/03 STATE OF CALIFORNIA

Architects Seal

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OFFICE OF REGULATION SERVICES
PC-04
104796
AC FLS SS
DATE

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

PROJECT NUMBER: 4736

WILLIAM SCOTTSMAN

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DRAWN BY: GL
DATE: 07/07/03
CHECKED BY:
DATE:

MODTECH Index No.

RAMP/LANDING 11' RAMPS

R5.01

MSI

MODULAR STRUCTURES INTERNATIONAL, Inc.

920 CITRUS AVE. RIVERSIDE, CA. 92507
PHONE (909) 788-3035 FAX (909) 788-1523

24'x40', 36'x40', & 48'x40' RELOCATABLE CLASSROOM BUILDING

PC #100073

750 RELOCATABLE 24'x40' CLASSROOMS FOR GE CAPITAL MODULAR SPACE

NOTES:

1. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE OFFICE OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
2. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE OFFICE OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

FROM STOCKPILE TO SITE SPECIFIC RELOCATION PACKAGE

APPLICABLE CODES – NEW CONSTRUCTION

NFPA 13– AUTOMATIC SPRINKLER SYSTEMS,	1994 EDITION
NFPA 14– STANDPIPES SYSTEMS,	1993 EDITION
NFPA 17A– WET CHEMICAL SYSTEMS,	1990 EDITION
NFPA 24– PRIVATE FIRE MAINS,	1992 EDITION
NFPA 253– CRITICAL RADIANT FLUX OF COVERING SYSTEMS,	1989 EDITION
NFPA 2001– CLEAN AGENT FIRE EXTINGUISHING SYSTEMS,	1994 EDITION
NFPA 72 – NATIONAL FIRE ALARM CODE	1993 EDITION

1994 UBC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA BUILDING CODE – PART 2, TITLE 24, CCR)
1993 NEC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA ELECTRICAL CODE W/ 1997 SUPPLEMENT – PART 3, TITLE 24, CCR)
1994 UMC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA MECHANICAL CODE – PART 4, TITLE 24, CCR)
1994 UPC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA PLUMBING CODE – PART 5, TITLE 24, CCR)
1994 UNIFORM FIRE CODE WITH STATE AMENDMENTS (CALIFORNIA FIRE CODE – PART 9, TITLE 24, CCR)
1994 BUILDING STANDARDS CODE (1995 STATE REFERENCED STANDARDS CODE – PART 12, TITLE 24, CCR)
TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

OMIT	PAGE	DESCRIPTION
	T	TITLE SHEET
	G-1	GENERAL SPECIFICATIONS
	G-3	ARCHITECTURAL STANDARD DETAILS
	G-4	PLUMBING GENERAL NOTE AND DETAILS
	A-1-24	24'x40' FLOOR PLAN
X	~~A-1-36~~	~~36'x40' FLOOR PLAN~~
X	~~A-1-48~~	~~48'x40' FLOOR PLAN~~
	A-2-24	24'x40' EXTERIOR ELEVATION
X	~~A-2-36~~	~~36'x40' EXTERIOR ELEVATION~~
X	~~A-2-48~~	~~48'x40' EXTERIOR ELEVATION~~
	A-3-24	24'x40' ROOF PLAN
X	~~A-3-36~~	~~36'x40' ROOF PLAN~~
X	~~A-3-48~~	~~48'x40' ROOF PLAN~~
	A-4-24	24'x40' INTERIOR ELEVATION
X	~~A-4-36~~	~~36'x40' INTERIOR ELEVATION~~
X	~~A-4-48~~	~~48'x40' INTERIOR ELEVATION~~
	A-6-24	24'x40' REFLECTED CEILING PLAN & DETAILS
X	~~A-6-36~~	~~36'x40' REFLECTED CEILING PLAN & DETAILS~~
X	~~A-6-48~~	~~48'x40' REFLECTED CEILING PLAN & DETAILS~~
	M-1-24	24'x40' MECHANICAL PLAN
X	~~M-1-36~~	~~36'x40' MECHANICAL PLAN~~
X	~~M-1-48~~	~~48'x40' MECHANICAL PLAN~~
	E-1-24	24'x40' ELECTRICAL PLAN
X	~~E-1-36~~	~~36'x40' ELECTRICAL PLAN~~
X	~~E-1-48~~	~~48'x40' ELECTRICAL PLAN~~

OMIT	PAGE	DESCRIPTION
	S-1	STRUCTURAL GENERAL NOTES
	S-1A	STRUCTURAL GENERAL NOTES
X	~~S-5~~	~~SINGLE SLOPE COLD ROLLED/BUILDING CROSS SECTIONS~~
	S-5A	DOUBLE SLOPE COLD ROLLED/TRUSS RIGID FRAME
	S-10	FLOOR FRAMING PLAN
X	~~S-10.1~~	~~OPTIONAL FLOOR FRAME & DETAILS~~
	S-11	FLOOR CONSTRUCTION DETAILS
	S-20	SINGLE OR DOUBLE ROOF PITCH–EXTERIOR WALLS
	S-25	STEEL FRAMING DETAIL
	S-26	STEEL FRAMING DETAIL
	S-30	GENERAL INT. AND EXT. WALL CONSTRUCTION DETAILS
	S-40	GENERAL ROOF CONSTRUCTION LAYOUT
	S-50	ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL WITH 22 GA. METAL ROOFING
	S-52	ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL WITH PLYWOOD
	S-60	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED WITH METAL ROOFING
	S-62	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED AND PLYWOOD ROOFING
	S-70	STEEL TRUSS FOR DOUBLE PITCH ROOF (20 PSF)
	S-70A	STEEL TRUSS FOR DOUBLE PITCH ROOF (30 PSF)
	F-1	WOOD FOUNDATION (50 PSF FLOOR) W/ 20 PSF ROOF
X	~~F-2~~	~~WOOD FOUNDATION (50+20 PSF FLOOR) W/ 30 PSF ROOF~~
X	~~F-3~~	~~WOOD FOUNDATION (100 PSF FLOOR) W/ 30 PSF ROOF~~
X	~~F-4~~	~~WOOD FOUNDATION (125 PSF FLOOR) 20 PSF ROOF~~
X	~~F-5~~	~~WOOD FOUNDATION (50 PSF FLOOR) W/ 30 PSF ROOF~~
X	~~F-6~~	~~WOOD FOUNDATION (50+20 PSF FLOOR) W/ 30 PSF ROOF~~
X	~~F-7~~	~~WOOD FOUNDATION (100 PSF FLOOR) W/ 30 PSF ROOF~~
X	~~F-8~~	~~WOOD FOUNDATION (125 PSF FLOOR) W/ 30 PSF ROOF~~
X	~~F-9~~	~~CONCRETE FOUNDATION (50, 50+20, 100, & 125 PSF FLOOR) WITH 20 PSF ROOF~~
X	~~F-9A~~	~~CONCRETE FOUNDATION (50, 50+20, 100, & 125 PSF FLOOR) WITH 30 PSF ROOF~~
X	~~F-10~~	~~CONCRETE FOUNDATION DETAILS~~
	R-1	RAMP FRAMING PLAN AND DETAILS
	F1.0	CL FOUNDATION PLAN AND DETAILS (PC 04-113776)
	F2.1	CL FOUNDATION PLAN AND DETAILS (PC 04-113776)

BUILDING DATA

OCCUPANCY	E-1 AND E-2
TYPE OF CONSTRUCTION	V – N
WIND LOAD	70 MPH, EXP. 'C'
FLOOR LIVE LOAD	50 PSF, 50 PSF + 20 PSF PARTITIONS, 100 PSF FLOOR L.L. & 125 PSF FLOOR L.L.
ROOF LIVE LOAD	20 PSF (REDUCIBLE FOR AREA), OPTIONAL 30 PSF
BUILDING AREA	960, 1440 & 1920 SQ. FT.
STRUCTURAL DESIGN	RIGID FRAME

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

LICENSE EXPIRES 6-30-

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117033
AC FLS SS
DATE 6/29/2016

STATE AGENCY APPROVAL

DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 100118
NO.
DATE JAN 13 1998

STATE AGENCY APPROVAL

DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 100073
NO.
DATE JAN 13 1998

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDINGS

TITLE
TITLE SHEET AND BUILDING DATA

JOB #

DATE 12-8-97

DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
T

GENERAL SPECIFICATIONS

A. MATERIALS AND WORKMANSHIP:

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT.

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

B. GENERAL DESIGN REQUIREMENTS:

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH A METAL IDENTIFICATION TAG 3" x 1 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

A. D.S.A. APPROVAL NUMBER
B. DESIGN WIND LOAD
C. DESIGN ROOF LIVE LOAD
D. DESIGN FLOOR LIVE LOAD
E. BUILDER'S NAME
F. PLANT INSPECTOR/ID MARK

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

EACH 12'-0" WIDE MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

C. FRAMING: ROOF, WALLS AND FLOOR:

FRAMING MEMBERS SHALL BE OF THE GRADE AND SIZE CALLED FOR ON THE STRUCTURAL PLANS.

D. MOISTURE BARRIER:

ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED FOR IN THE U.B.C. STANDARD NO. 14.1 FOR KRAFT WATERPROOF FELT. BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

E. ZBAR:

ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED "Z BAR- 3/4 x 5/8 x 3/4" FLASHING.

FLASHING NEED NOT BE USED WHERE SKIRTING MEETS THE UNDERSIDE OF AN EXPOSED METAL FRAME AND THE SKIRTING IS RECESSED SUFFICIENTLY TO PROTECT THE TOP EDGE OF PLYWOOD.

F. ROOF OVERHANG:

ALL OVERHANGS SHALL PRESENT A PLEASING AND FINISHED APPEARANCE. SOFFIT MATERIAL, WHEN USED, SHALL BE 3/8" MIN. EXTERIOR SIDING. PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH EXPOSED GRAIN RUNNING PARALLEL TO THE LENGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER GAPS. ALL ENCLOSED SOFFIT AREAS SHALL BE VENTILATED PER THE C.B.C.

G. ENTRY LANDING AND RAMP:

EACH MODULE SHALL HAVE A LANDING(S) AND RAMP(S) TO CONFORM TO TITLE 24, C.C.R. SECTION 1007. THE LANDING(S) AND RAMP(S) STRUCTURE INCLUDING HANDRAIL AND WHEEL GUIDES. PREFABRICATED METAL LANDINGS AND RAMPS SHALL BE BUILT IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE. THERE SHALL BE SUFFICIENT CROSS BRACING UNDER THE RAMP SURFACE TO PREVENT BOUNCE OR OIL CANNING OR THE RAMP SURFACE. DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE.

RAMP SHALL HAVE SKID RESISTANT METAL OR WOOD SURFACE.

H. ELECTRICAL MATERIALS:

ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF C.E.C. MINIMUM SIZE CONDUIT IS 1/2" MIN.

ACCEPTABLE CONDUIT:
RIGID ELECTRICAL METALLIC TUBING (EMT); GALVANIZED THIN WALL
FLEXIBLE (INTERIOR); GALVANIZED STEEL
FLEXIBLE (EXTERIOR); GALVANIZED STEEL WITH FACTORY APPLIED PVC

ALL CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH C.E.C. FIELD BENDS SHALL BE AVOIDED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS, JACKET. WIRING SHALL BE #14 MIN. COPPER TYPE TW, THW, THWN AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OF C.E.C. A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED IF NECESSARY.

GENERAL NOTES:

A. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF CALIFORNIA BUILDING CODE; TITLE 24, PART 2,3,4,5,9 AND TITLE 24, PART 1, GROUP 1. A COPY OF THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.

B. PLANS AND SPECIFICATIONS: CHANGES IN PLANS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDUM OR CHANGE ORDER, SIGNED BY THE ARCHITECT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. CHANGE ORDERS SHALL ALSO BE SIGNED BY THE OWNER PRIOR TO APPROVAL BY DSA.

C. TESTING: TESTS OF MATERIALS SHALL BE BY A PERSON OR TESTING LABORATORY SELECTED BY THE OWNER WITH THE APPROVAL OF DSA AND ARCHITECT. THE OWNER SHALL BE RESPONSIBLE FOR THE COST OF TESTING, EXCEPT FOR THE RETESTING REQUIRED BY THE FAILURE OF ANY MATERIAL TO PASS.

D. ERECTION AT THE SITE: THE BUILDING SHALL BE TRANSPORTED, ERECTED AND SET ON FOUNDATION AS REQUIRED BY A LICENSED TRANSPORTER. ALL REQUIRED FINISH WORK SHALL BE COMPLETED BY SKILLED LABOR OF THE MANUFACTURER/CONTRACTOR, BUT WILL NOT INCLUDE UTILITIES SERVICE CONNECTION.

E. SITE WORK: THE OWNER, UNLESS OTHERWISE SHOWN ON THE APPROVED PLANS, WILL PROVIDE SITE(S) SATISFACTORY TO THE ARCHITECT OR ENGINEER FOR THE INSTALLATION OF THE RELOCATABLE BUILDING(S) THAT ARE LEVEL AND HAVE STABLE SOIL CONDITIONS WITH ADEQUATE SITE DRAINAGE, EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR. IF ADDITIONAL GRADING AND/OR LEVELING IS NECESSARY FOR PROPER INSTALLATION OF MODULAR UNITS, THE ADDITIONAL CHARGE WILL BE THE RESPONSIBILITY OF THE OWNER.

F. UTILITIES: THE OWNER WILL BE RESPONSIBLE FOR ANY AND ALL UTILITY, FIRE ALARM OR SPECIAL ELECTRICAL SIGNAL SYSTEM CONNECTIONS EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR.

G. FIRE EXTINGUISHER: ULZA-10BC, PRESSURE TYPE, MAX. 48" TO EXTINGUISHER HANDLE - SEE SPECIFICATION SHEET.

H. BUILDING INSULATION:
SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL. FLAME SPREAD -MAX. 25, SMOKE DEVELOP -MAX. 450 CBC SEC. 1510. SEE SPECIFICATION SHEET.

I. T-GRID CEILING:
SUSPENDED T-BAR SYSTEM WITH LAY-IN PANELS
FLAME SPREAD - MAX. 0-25, SMOKE DEVELOP - MAX. 450
SEE SPECIFICATION SHEET.

J. FIRE ALARM SYSTEM: - SEE SPECIFICATION SHEET

1. "THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE SECTION 305.9, AND CALIFORNIA ELECTRIC CODE ARTICLE 760, CALIFORNIA FIRE CODE, ARTICLE 10."
2. INSTALLATION OF THE FIRE PROTECTIVE SIGNALING SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBER FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.
4. ALARMS- SECTION 3504.1, CALIFORNIA BUILDING CODE.
IF EMERGENCY WARNING SYSTEMS ARE REQUIRED, THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE.
(A) LOCATE PER CBC 3504.1, SECTION 2-4.9.1

K. GROUNDING OF BUILDING COMPONENTS
1. THE OWNER, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, SHALL RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE BUILDING ELECTRICAL SYSTEM PER CEC 250-81, 250-83 AND 250-84.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE METAL PORTION BUILDING COMPONENTS (METAL FRAMED STEEL RAMP, ETC.) TO MEET THE REQUIREMENTS OF IR NO 8-1, ISSUED BY D.S.A.
3. THE PROJECT INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING TESTS.

L. MECHANICAL
1. FACTORY-MADE AIR DUCTS: FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. STANDARD NO. 10-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDNETIFICATION INDICATING COMPLIANCE WITH C.M.C STANDARD NO. 10-1 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING.
2. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
3. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPMENT RATING OF NOT MORE THAN 50.
4. AIR FILTERS: AIR FILTERS SHALL BE LISTED UNITS PER U.F.C. STANDARD NO. 9-6. AIR FILTERS SHALL COMPLY WITH ALL REQUIREMENTS OF STATE STANDARD NO. 12-71-1.
5. PIPE AND TUBING: INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD-RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC SECTION 707.2

VARIABLE SPECIFICATIONS

1. FOUNDATION
[ ] 50PSF PT WOOD PADS
[ ] 125PSF PT WOOD PADS
[ ] CONCRETE _____ PSF

2. FOUNDATION VENTS
PROVIDE ONE SQUARE FOOT OF NET FREE FLOW AREA PER 150 SQUARE FEET OF FOUNDATION PERIMETER.
[ ] SCREEN VENTS
[ ] EXPANDED METAL
[ ] OTHER _____

3. RAMP, LANDING AND STAIRS
[ ] PORTABLE STEEL MODULES
[ ] CONCRETE, PROVIDE STEEL HANDRAILS
[ ] OTHER _____

4. ROOF OVERHANGS
[ ] 2'-0" AT FRONT, 2'-0" AT REAR
[ ] 2'-0" AT BOTH FRONT AND REAR
[ ] OTHER _____

5. DROP SOFFIT
[ ] MATCH RAFTER SIZE
[ ] OPEN SOFFIT
[ ] CLOSED SOFFIT
[ ] OTHER _____

6. EXTERIOR PLYWOOD SIDING (STRUCTURAL)
EXTERIOR SIDING MUST MEET MINIMUM STRUCTURAL REQUIREMENTS SPECIFIED IN GENERAL SPECIFICATIONS PARAGRAPH 2.
[ ] 3/8" 4x8 DURATEMP APA RATED SIDING GROOVED AT 8" O.C., OR EQUIV.
[ ] 3/8" 4x8 MDO APA 303-OL GROOVED AT 8" O.C.
[ ] 5/8" 4x8 T1-11 APA 303 GROOVED AT 8" O.C.
[ ] OTHER _____

7. PLYWOOD SKIRTING (NON-STRUCTURAL)
[ ] 3/8" NON-GROOVED DURATEMP APA RATED SIDING, OR EQUIV.
[ ] 5/8" MDO APA 303-OL GROOVED AT 8" O.C.
[ ] OTHER _____

8. FASCIA AND CLOSE-UP TRIM (NON-STRUCTURAL)
[ ] 1/2" THICK TEXTURED HARDBOARD
[ ] OTHER _____

9. DOOR, WINDOW AND CORNER TRIM (NON-STRUCTURAL)
[ ] 1x4 RESAWN DRY SPRUCE
[ ] OTHER _____

10. GUTTERS AND DOWN SPOUTS
PROVIDE ONE SET PER BUILDING MODULE
[ ] 26 GA GALVANIZED STEEL
[ ] HEAVY DUTY DOWN-SPOUTS 26 GA.
[ ] OTHER _____

11. PAINT
EXPOSED STEEL PAINTED WITH PRIMER FOR WEATHER PROTECTION THEN WITH ALKID FINISH OVER SHOP PROMER USING ENAMEL DUNN EDWARDS OR EQUAL. EXPOSED WOOD PAINTED WITH 1-FLAT LATEX PRIMER, 1-FLAT LATEX FINISH COAT.

12. ROOFING
[ ] 22 GA GALVANIZED STEEL STANDING SEAM, FIRE RATED PER UBC STANDARD 32-7 CLASS-A.
[ ] 26 GA GALVANIZED STEEL STANDING SEAM, FIRE RATED PER UBC STANDARD 32-7 CLASS-A.
[ ] 30 GA GALVANIZED STEEL STANDING SEAM, FIRE RATED PER UBC STANDARD 32-7 CLASS-A.
[ ] BASE SHEET FINISHED GRADE 25-30# ASPHALT COATED
[ ] EDGE FLASHING 26 GA. GALVANIZED
[ ] OTHER _____

13. INSULATION
SEE GENERAL NOTES FOR STANDARDS AND FIRE RATING.
[ ] R11 AT FLOOR AND WALLS; R19 AT ROOF
[ ] OTHER _____
[ ] SOUND INSULATION (SEE FLOOR PLAN FOR LOCATION)

14. EXTERIOR DOORS
[ ] STEEL 3068, STEEL CRAFTED OR EQUIV.: HOLLOW METAL
[ ] STEEL 3070 1-3/4" THK, 18GA FACE SHEETS, SOUND DEADENED,
[ ] STEEL 3070 1-3/4" THK, 18GA FACE SHEETS, SOUND DEADENED,
[ ] OTHER _____

15. INTERIOR DOORS
[ ] SC WOOD 3068 STANDARD CAL. WOOD OR EQUIV.
[ ] SC WOOD 3070 1-3/4" THK, EMBOSSED HARDBOARD FACE SHEETS, PREFINISHED
[ ] OTHER _____

16. FRAMES
STEEL KNOCKDOWN 3068 STANDARD OR 3070 (OPTIONAL), 16GA, 3 ANCHORS PER JAMB
[ ] PREFINISHED DARK BRONZE
[ ] PAINTED SELECTED COLOR
[ ] OTHER _____

17. LOCKSETS AND LATCHSETS
FINISH 626 BRUSHED CHROME
[ ] D70PD CLASSROOM SCHLAGE OR EQUIV. (LEVER HANDLE)
[ ] D40S PRIVACY SCHLAGE OR EQUIV. (LEVER HANDLE)
[ ] D10S PASSAGE SCHLAGE OR EQUIV. (LEVER HANDLE)
[ ] A70PD CLASSROOM SCHLAGE OR EQUIV. (KNOB HANDLE)
[ ] PANIC HARDWARE, VON DUPRIN 99L OR EQUIV. WITH RIM CYLINDER
[ ] OTHER _____

18. BUTTS
SOLID BRASS OR BRONZE, 3 PER DOOR, FINISH 26D BRUSHED CHROME
[ ] HAGAR 8B1191 NRP 4-1/2"x4-1/2"
[ ] OTHER _____

19. CLOSURES
ADJUST TO 8.5# OPERATING PRESSURE FOR EXTERIOR, OR 5.0# FOR INTERIOR. FINISH BRUSHED ALUMINUM.
[ ] DORMA P7601
[ ] NORTON 1601 OR EQUIV.
[ ] OTHER _____

20. THRESHOLDS
MAXIMUM 1/2" HEIGHT
[ ] PEMKO 271A (BRUSHED ALUMINUM)
[ ] OTHER _____

21. BOTTOM SWEEPS
[ ] PEMKO 216AV (BRUSHED ALUMINUM WITH VINYL SEAL)
[ ] OTHER _____

22. WEATHER-STRIPPING
[ ] FOAM FILLED VINYL, FRICTION FIT INTO PREPARED FRAME
[ ] PEMKO 279PAV (BRUSHED ALUMINUM WITH VINYL SEAL)
[ ] OTHER _____

23. STOPS
[ ] FLOOR MOUNTED HAGAR 267F OR EQUAL 3" HEIGHT (EXTERIOR), OR EQUIV. NOT ALLOWED IN ANY PATH OF TRAVEL
[ ] WALL MOUNTED HAGAR 236W OR EQUAL, BUMPER (INTERIOR)
[ ] FLOOR MOUNTED QUALITY 431 OR EQUAL, DOME (INTERIOR)
[ ] OTHER _____

24. OPTIONAL EXTRA ITEMS AND HARDWARE
[ ] VISION LIGHTS SIZE: _____
GLASS: _____
[ ] LOUVERS SIZE: _____
[ ] OTHER _____

25. WINDOWS
HORIZONTAL SLIDING, 50% VENTING, ANODIZED ALUMINUM FRAME. PERFORMANCE RATED PER AAMA CS101-88 FOR COMMERCIAL USE AND MEDIUM EXPOSURE, NAIL-ON FIN FASTENED DIRECTLY TO FRAMING AND BEHIND SIDING MATERIAL, REMOVABLE SCREEN AT VENT SASHES. LAMINATED OR TEMPERED GLAZING TO BE NOTED ON FLOOR PLAN. DUAL GLAZED WINDOWS TO HAVE MINIMUM 1/4" AIR SPACE AND 1/8" GLASS (SEE FLOOR PLAN FOR SIZES)

FRAMES:
[ ] CLEAR ANODIZED
[ ] OTHER _____

GLAZING:
[ ] DUAL, 3/16" GRAY TINT
[ ] DUAL, 1/4" GRAYLITE 14
[ ] DUAL, OBSCURED
[ ] SINGLE, 3/16" GRAY TINT
[ ] SINGLE, 1/4" GRAYLITE 14
[ ] SINGLE, OBSCURED
[ ] OTHER _____

26. INTERIOR WALL COVERINGS
APPLIED OVER MINIMUM 1/2" GYPSUM BOARD, OR MINIMUM 3/8" (+)ORIENTED STRAND BOARD. EXPOSED SURFACES FIRE RATED PER ASTM E-84, FLAME SPREAD MAXIMUM 200, SMOKE DEVELOPED MAXIMUM 450. (+PROVIDE FIRE BLOCKING WHEN 3/8" OSB IS USED AS BACKING MATERIAL)
[ ] TACKBOARD: VINYL WALL COVERING TO BE CLASS I DOMTAR GYPSUM OR EQUAL, LAMINATED ONTO 1/2" INDUSTRIAL INSULATION BOARD, 4'-0"x9'-0", LONG EDGES BEVELED.
[ ] FRP: FIBERGLASS REINFORCED PLASTIC PANELS, 4'-0"x8'-0", WITH COLOR MATCHED PVC MOLDINGS OVER 1/2 GYPSUM
[ ] OTHER _____

27. CEILING GRID
SUSPENDED SYSTEM, PERFORMANCE RATED ASTM C635 HEAVY DUTY
[ ] DONN DX EXPOSED SYSTEM, STEEL, PREFINISHED WHITE
DX-25 MAIN RUNNER HEAVY DUTY DX-424 CROSS RUNNER HEAVY DUTY
[ ] ARMSTRONG PRELUDE EXPOSED SYSTEM, STEEL, PREFINISHED WHITE
7XXX-181 MAIN RUNNER HEAVY DUTY 7XXX-184 CROSS RUNNER HEAVY DUTY
[ ] CHICAGO METALLIC 200 SERIES EXPOSED SYSTEM, STEEL, PREFINISHED WHITE
200-01 MAIN RUNNER HEAVY DUTY 1214-01 CROSS RUNNER HEAVY DUTY

28. ACOUSTIC LAY-IN CEILING PANELS
LIGHT REFLECTIVE LR-1, FIRE RATED CLASS-A PER ASTM E84.
[ ] VINYL FACED FIBERGLASS, 5/8" THICK, ARMSTRONG OR EQUIV.
[ ] VINYL FACED GYPSUM BOARD, 1/2" THICK USG STIPPLE PATTERN, CLASS I
[ ] OTHER _____

29. CARPET
DIRECT GLUE-DOWN, PERFORMANCE RATED PER STATE OF CALIFORNIA SPECIFICATION 7220-211-01. (GROUP I, TYPE A, CLASS 2A) 4500 MIN. DENSITY. THE CARPET IS TO HAVE A MINIMUM CRITICAL FLUX OF .25 WATT/CM².
[ ] 26oz.
[ ] 28oz.
[ ] OTHER _____
[ ] FACTORY INSTALLATION: 2-1/2"W ALUMINUM THRESHOLD AT MODULE JOINTS, AS REQUIRED
[ ] ON SITE INSTALLATION: BUTT SEAMS

30. VINYL SHEET FLOORING
MINIMUM WEAR LAYER .050" THICK, PERFORMANCE RATED PER ASTM F1303-90 TYPE-II, GRADE-1, CLASS-A, AND ASTM F970 125PSI, FIRE RATED PER ASTM E648 FLAMMABILITY CLASS-I, AND ASTM E662 SMOKE DENSITY MAXIMUM 450.
[ ] ARMSTRONG CLASSIC CORLON, SANDOVAL PATTERN, 6'-0" WIDE, OR EQUIV.
[ ] OTHER _____

[ ] FACTORY INSTALLATION: 2-1/2"W ALUMINUM THRESHOLD AT MODULE JOINTS, AS REQUIRED
[ ] ON SITE INSTALLATION: BUTT SEAMS

31. VINYL COMPOSITION TILE
12" SQUARE, MINIMUM 1/8" THICK, PERFORMANCE RATED PER ASTM F1066, COMP-1, CLASS-2, AND ASTM F970 75PSI, FIRE RATED PER ASTM E648 FLAMMABILITY CLASS-I, AND ASTM E662 SMOKE DENSITY MAXIMUM 450.
[ ] ARMSTRONG STANDARD EXCELON, OR EQUIV.
[ ] OTHER _____

[ ] FACTORY INSTALLATION: 2-1/2"W ALUMINUM THRESHOLD AT MODULE JOINTS, AS REQUIRED
[ ] ON SITE INSTALLATION: BUTT SEAMS

32. TOP SET BASE
[ ] BURKE MOLDED RUBBER 1/8" THICK, 4" HEIGHT, COVE STYLE #502-P, OR EQUIV.
[ ] OTHER _____

33. CHALKBOARDS / MARKER BOARDS
TWO 4'-0"x8'-0" BOARDS MOUNTED SIDE BY SIDE, U.N.O.
[ ] MARKER-BOARD, PLASTIC WHITE LAMINATE
[ ] MARKER-BOARD, SMOOTH PORCELAIN WRITING SURFACE
[ ] CHALKBOARD, MATTE BAKED ENAMEL WRITING SURFACE
[ ] CHALKBOARD, MATTE PORCELAIN WRITING SURFACE
[ ] OTHER _____

34. FIRE EXTINGUISHER
PRESSURIZED, WITH CHARGE INDICATOR DIAL, MOUNTING HANDLE AT +48" MAX. A.F.F., NEAR EXTERIOR DOOR
[ ] UL RATED 2A10BC
[ ] OTHER _____

35. HEAT PUMPS AND THERMOSTATS
THERMOSTAT MOUNTED AT +54" (SEALED) SIDE APPROACH, +48" (NOT SEALED) A.F.F. NEAR RETURN AIR GRILL, WHITE ROGERS 1F92 WITH WH UNITS AND 1F90 WITH WAG UNITS, OR EQUIV.
[ ] BARD WH42-HA08 (LOCKOUT)
[ ] BARD WH48-A10
[ ] BARD WH48-LA10 (LOCKOUT)
[ ] BARD WAC40A-A54C (HG / ELECTRIC)
[ ] BARD WAC40A-A54C (LPG / ELECTRIC)
[ ] OTHER _____

HVAC UNIT TO CONFORM TO CURRENT SMACNA STANDARDS, ARI 240-77, AND HVAC UL LISTING. PROVIDE POSITIVE MEANS OF DISCONNECT PER SEC. 309 CMC. (BARD, INTERTHERM, MARVAIR, OR EQUIV.)

36. DUCTWORK
WITHIN 3'-0" OF THE HVAC UNIT, PROVIDE SHEET METAL DUCTING
[ ] NONMETALLIC OPTION: IN SEMI-CONCEALED ACCESSIBLE LOCATIONS BEYOND 3'-0" FROM THE HVAC UNIT, PROVIDE FLEXIBLE ROUND 2-PLY POLYESTER DUCT WITH COILED WIRE REINFORCING AND 1-1/2" FIBERGLASS INSULATION AND POLYETHYLENE JACKET, OR RIGID 1" FIBERGLASS BOARD WITH FOIL VAPOR BARRIER FORMED INTO RECTANGULAR DUCTS. FLAME SPREAD (0-25) SMOKE (0-50)
[ ] SHEET METAL OPTION: PROVIDE GALVANIZED SHEET METAL DUCTWORK WITH 1" FIBERGLASS INSULATION WITH VAPOR BARRIER.
[ ] OTHER _____

ALL DUCTWORK TO CONFORM TO CURRENT SMACNA MANUAL, CMC, NFPA 90-A AND B, AND HAVE SMACNA CLASS-1 RATING.

37. REGISTER & DIFFUSERS
MIN. (2) 4-WAY. CARNES, TITUS, COOLEY, COLEMAN KRUEGER OR EQUIV. - COMMERCIAL GRADE

38. ELECTRICAL PANELS
SEE ELECTRICAL PANEL SCHEDULE FOR SIZE.
[ ] SINGLE PHASE POWER
[ ] THREE PHASE POWER

39. ELECTRICAL OUTLETS
LOCATE PER FLOOR PLANS AT +15"MIN.- 18" MAX. A.F.F. U.O.N.
[ ] DUPLEX OUTLETS, LEVITON 5014 OR EQUAL
[ ] OTHER _____

40. EXTERIOR LIGHTING
[ ] INCANDESCENT, WEATHER-PROOF VANDAL-RESISTANT HOUSING, WITH 60WATT LAMP, FAIL-SAFE 180-102 OR EQUAL (K3636)
[ ] FLUORESCENT, WEATHER-PROOF VANDAL-RESISTANT HOUSING, WITH TWO 7WATT LAMPS, FAIL-SAFE FBP-142 OR EQUAL
[ ] OTHER _____

41. INTERIOR LIGHTING
PLASTIC LENS FIRE RATING CONFORMING TO CURRENT CBC SECTION 5208. ACRYLIC PRISMATIC, BUILT-IN REFLECTION HOUSING, SWITCHES PNS 501 OR EQUIV..
[ ] LAY-IN 3-LAMP, FLUORESCENT, 2'-0" x 4'-0", WITH 34 WATT ENERGY SAVER LAMPS, LITHONIA 2GT-340 OR EQUAL
[ ] LAY-IN 2-LAMP, FLUORESCENT, 2'-0" x 4'-0", WITH 34 WATT ENERGY SAVER LAMPS, LITHONIA 2GT-240 OR EQUAL
[ ] LAY-IN 4'-LAMP, FLUORESCENT, 2'-0" x 4'-0", WITH 34 WATT ENERGY SAVER LAMPS, LITHONIA 2GT-440 OR EQUAL
[ ] 50 FT. CANDLES AT 30" AFF.
[ ] OTHER _____

42. CLOCK
[ ] 12" DIAMETER, ACCUTREC 2012BE OR EQUAL
[ ] REC. EAGLE OR EQUAL
[ ] OTHER _____

43. FIRE ALARM SYSTEM
[ ] PROVIDE 1/2" EMT CONDUIT AND COVERED METAL JUNCTION BOXES, LOCATE PER ELECTRICAL FLOOR PLAN, FOR FUTURE WIRE AND EQUIPMENT BY OTHERS.
[ ] OTHER _____

44. COMMUNICATIONS SYSTEM
[ ] SPECIFY: _____

45. CASEWORK - WOOD WORK INSTITUTE OF AMERICA (WIC) CUSTOM GRADE
[ ] WOOD
SOLID OAK FACE FRAMES, FLAT PANEL OAK DOORS AND DRAWER FRONTS, CLEAR LACQUER FINISH. MELAMINE/PARTICLE BOARD BOXES, WITH LAMINATE COUNTER TOPS, LAYOUT PER FLOOR PLAN AND CASEWORK ELEVATIONS. TOPS FORMED W/4" SPLASH, UNO.
[ ] LAMINATE
FULL OVERLAY STYLE DOORS AND DRAWER FRONTS, MELAMINE/PARTICLE BOARD BOXES, WITH LAMINATE COUNTER TOPS, LAYOUT PER FLOOR PLAN AND CASEWORK ELEVATIONS
[ ] OTHER _____

46. PLUMBING
[ ] SEE ATTACHED PLUMBING AND RESTROOM ACCESSORIES SPECIFICATIONS. SEE SHEET P1

47. RESTROOM ACCESSORIES
[ ] SEE ATTACHED PLUMBING AND RESTROOM ACCESSORIES SPECIFICATIONS. SEE SHEET P1

48. ROOF CONSTRUCTION (CLASS A ROOFING)
[ ] SINGLE PITCH
[ ] DOUBLE PITCH
[ ] 22 GA. METAL
[ ] PLYWOOD ROOF WITH
[ ] 26 GA. METAL
[ ] 30 GA. METAL
[ ] BUILT UP ROOF

49. OPTIONS
[ ] METAL STUDS FRAMING
[ ] RESTROOMS
[ ] CONCRETE FOUNDATION
[ ] WOOD FOUNDATION

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PC-100073

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
05-117055 FLS SS
AC. DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118 FLS SS
AC. DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
100073 FLS SS
AC. DATE JAN 15 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
GENERAL SPECIFICATIONS AND ARCHITECTURAL GENERAL NOTES

JOB #

DATE 1-9-98

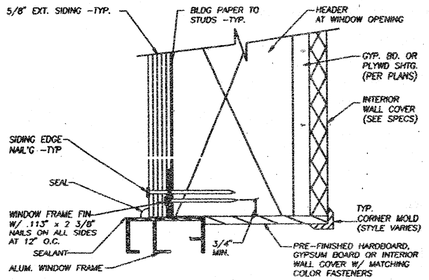
DRAWN BY R.D.L.

SCALE NONE

APPROVED

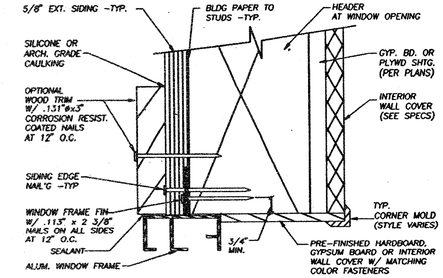
REVISIONS

SHEET NO.



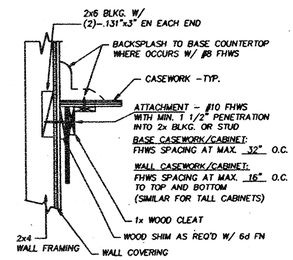
(SIM. AT SILL AND JAMB)

5 EXTERIOR WINDOW HEAD – TYP. SCALE: 6"=1'-0"



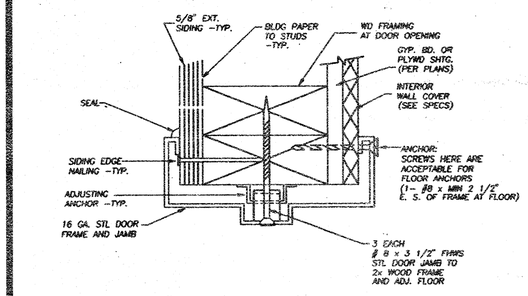
(SIM. AT SILL AND JAMB)

1 EXTERIOR WINDOW HEAD WITH TRIM – TYP. SCALE: 6"=1'-0"

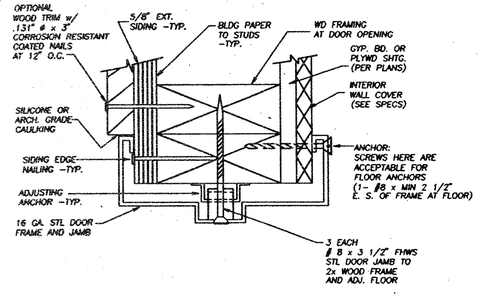


(BASE CASEWORK SHOWN, WALL AND TALL CASEWORK SIMILAR)

2 CASEWORK TO WALL ATTACHMENT



7 EXTERIOR DOOR JAMB METAL FRAME SCALE: 6" = 1'-0"



3 EXTERIOR DOOR JAMB METAL FRAME WITH TRIM SCALE: 6" = 1'-0"

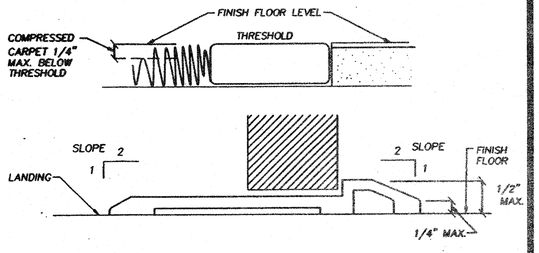
THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION, NOT AS AN ILLUSTRTION OF A SPECIFIC THRESHOLD MODEL OR TYPE.

THRESHOLD – TYPICAL
"ALL THRESHOLDS TO CONFORM TO DIMENSIONS IN FIGURE 33-5B

DOOR HARDWARE: EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY OTHER SPECIAL KNOWLEDGE OR EFFORT. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE-EFFORT BY LEVER HARDWARE (NOT TO EXCEED 8.5 LBS. FOR EXTERIOR DOORS, 5 LBS. FOR INTERIOR DOORS; PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

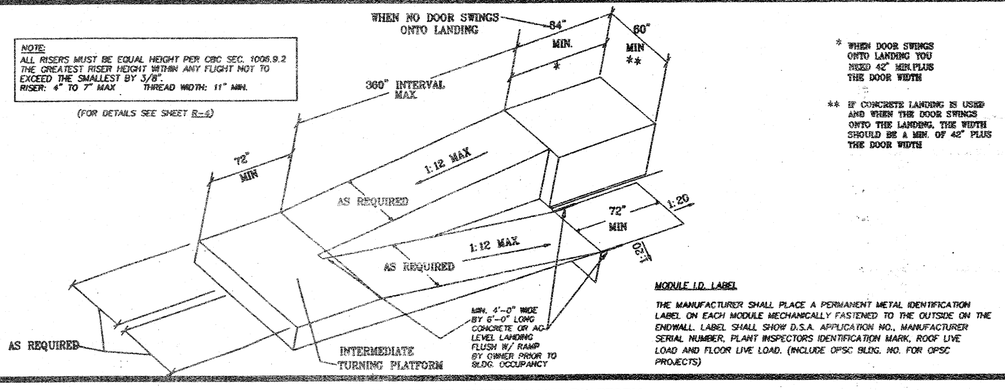
CALIFORNIA BUILDING CODE, SECTION 1004.3, 1004.4

FOR HARDWARE: SEE SPECIFICATION SHEET.

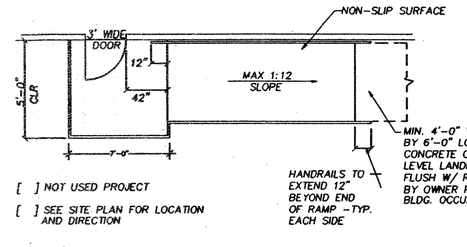


33-5B – THRESHOLDS

FIGURE NO. 33-5



11 RAMP WITH INTERMEDIATE SWITCH-BACK PLATFORM



[ ] NOT USED PROJECT

[ ] SEE SITE PLAN FOR LOCATION AND DIRECTION

(FOR DETAILS SEE SHEET R-1 & R-2)

4 PORTABLE STEEL RAMP AND LANDING – TYPE "A"

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 38502 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

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AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

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03-117035 FLS SS
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4 100118 FLS SS
AC DATE JAN 15 1998

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PC-

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
ARCHITECTURAL STANDARD DETAILS

JOB #

DATE 12-8-97

DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
G-3

GENERAL PLUMBING SPECIFICATIONS

A. PLUMBING EQUIPMENT, FIXTURE AND ACCESSORIES:
FURNISH AND INSTALL ALL PIPING, VALVES, VENTS, STOPS, AND TRAPS REQUIRED TO CONNECT ALL FIXTURES AND EQUIPMENT. PROVIDE ALL ELECTRICAL CONNECTIONS AS REQUIRED.

B. MATERIALS AND WORKMANSHIP:
ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADE SPECIFIED.

WORKMANSHIP SHALL BE EQUAL OF BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT.

IN EACH OF THE SECTIONS FOLLOWING, ONE OF THE ITEMS MUST BE CHECKED AS BEING APPLICABLE TO THIS BUILDING. ALL ITEMS NOTED AS STRUCTURAL MUST MEET THE MINIMUM STRUCTURAL REQUIREMENTS SET FORTH IN THE STRUCTURAL PAGES AND NOTES.

VARIABLE PLUMBING SPECIFICATIONS

1. WATER CLOSETS
   - [] HANDICAP 18"H TANK/BOWL, 3 GPF, KOHLER K-3527-ET OR EQUAL (HANDICAP FOR ADULT, HIGH SCHOOL AND MIDDLE SCHOOL)
   - [] STANDARD 14"H TANK/BOWL, 3 GPF, KOHLER K-3520-ET OR EQUAL (HANDICAP FOR ELEMENTARY SCHOOL AND GENERAL USE)
   - [] WALL HUNG FV/BOWL, 3 GPF, KOHLER K-4430-ET WITH ZURN Z-6000 FLUSH VALVE OR EQUALS
   - [] OTHER _____
2. URINALS
   - [] WALL HUNG, 1.0 GPF, KOHLER K-5016 WITH ZURN Z-6003 FLUSH VALVE OR EQUALS
   - [] OTHER _____
3. LAVATORIES
   - [] WALL HUNG, 14x12, GERBER 12-354 WITH DELTA FAUCET 523 .5gpm OR EQUALS, HC ACCESSIBLE
   - [] WALL HUNG, 19x17, GERBER 12-314 WITH DELTA FAUCET 523 .5gpm OR EQUALS, HC ACCESSIBLE
   - [] WALL HUNG, 20x18, KOHLER K-2032 WITH DELTA FAUCET 523 .5gpm OR EQUALS, HC ACCESSIBLE
   - [] OTHER _____
4. SINKS
   - [] CLASSROOM 25x17, 18GA. STAINLESS STEEL, JUST CRA-1725-A-GR, WITH KOHLER K-7895 LEVER HANDLE COLD ONLY GOOSENECK FAUCET, AND HAWS 5056 LEVER HANDLE DRINKING BUBBLER OR EQUALS
   - [] CLASSROOM 31x19, 18GA. STAINLESS STEEL, JUST CRA-1931-A-GR, WITH KOHLER K-7894 LEVER HANDLE HOT & COLD GOOSENECK FAUCET & HAWS 5056 LEVER HANDLE DRINKING BUBBLER OR EQUALS
   - [] KITCHEN DOUBLE BOWL 33x21, MINIMUM 20GA. STAINLESS STEEL, JUST DL-2133-B-GR WITH KOHLER K-15171-CP SINGLE HANDLE SWING SPOUT HOT AND COLD FAUCET OR EQUALS
   - [] OTHER _____
5. GARBAGE DISPOSERS
   - [] BATCH-FEED, 3/4HP, IN-SINK-ERATOR #17 OR EQUAL
   - [] CONTINUOUS FEED, 1/2HP, IN-SINK-ERATOR BADGER-V OR EQUAL
6. DRINKING FOUNTAIN
   - [] WALL HUNG, STAINLESS STEEL, HANDICAP ACCESSIBLE, PUSH BOTTON OPERATION, HAWS 1118 OR EQUAL
   - [] OTHER _____
7. WATER HEATERS
   - [] 2.5 GALLON, 120V RHEEM 81VP2S OR EQUAL
   - [] 6 GALLON, 120V RHEEM 81VP6S OR EQUAL
   - [] 10 GALLON, 120V UNDER COUNTER, RHEEM 81VP10S OR EQUAL
   - [] 20 GALLON, 120V UNDER COUNTER, RHEEM 81VP20S OR EQUAL
   - [] OTHER _____
8. GRAB BARS
   - [] ONE EACH 36" AND 42" LONG PER HANDICAP WC, 1-1/2" DIAMETER, STAINLESS STEEL, CONCEALED VANDAL RESISTANT MOUNTING, BOBRICK B-6206 OR EQUAL
   - [] OTHER _____
9. TOILET PAPER DISPENSERS
   - [] ROLL TYPE, STAINLESS STEEL, CONCEALED VANDAL RESISTANT MOUNTING AND SPINDLE, BOBRICK B-685.60 OR EQUAL
   - [] FOLDED TISSUE TYPE, STAINLESS STEEL, CONCEALED VANDAL RESISTANT MOUNTING AND LOCK, BOBRICK B-272 OR EQUAL
   - [] OTHER _____
10. PAPER TOWEL DISPENSERS
    - [] FOLDED TISSUE TYPE, STAINLESS STEEL, CONCEALED VANDAL RESISTANT MOUNTING AND LOCK, BOBRICK B-262 OR EQUAL
    - [] OTHER _____
11. SOAP DISPENSERS
    - [] LIQUID TYPE, STAINLESS STEEL, CONCEALED VANDAL RESISTANT MOUNTING AND LOCK, BOBRICK B-2111 OR EQUAL
    - [] OTHER _____
12. MIRRORS
    - [] 18x30, 1/4" PLATE GLASS, STAINLESS STEEL CHANNEL FRAME, CONCEALED VANDAL RESISTANT MOUNTING, BOBRICK B-165 OR EQUAL
    - [] OTHER _____
13. RESTROOM PARTITIONS
    FLOOR MOUNTED AND OVERHEAD BRACED, LAYOUT PER FLOOR PLAN
    - [] STEEL WITH BAKED ENAMEL FINISH, KNICKERBOCKER OR EQUAL
    - [] OTHER _____
14. EXHAUST/VENTILATOR FAN
    SWITCH CONTROLLED AT MAX. 48" A.F.F., HANDICAP ACCESSIBLE WITH WEATHERPROOF SCREENED WALL CAP
    - [] CEILING/WALL FAN - 50cfm, 2.0sones, BROAN 688 OR EQUAL
    - [] WALL VENTILATOR - 180cfm, 5.0sones, BROAN 509 OR EQUAL
    - [] OTHER _____
15. OPTIONAL EXTRA ITEMS AND HARDWARE
    - [] SPECIFY: _____

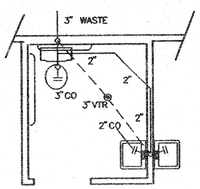
PLUMBING NOTES

1. ALL VENTS TO ROOF AND VENT RISER CONNECTIONS TO BE OFFSET ABOVE CEILING FROM WALLS IN ORDER TO PREVENT PENETRATION THROUGH TOP PLATES.
2. ALL WASTE DROPS IN WALLS TO BE OFFSET PRIOR TO WALL BOTTOM PLATES.
3. FOR ALLOWABLE CUTTING/NOTCHING/BORED HOLES IN 2x WALL STUDS AND JOISTS, SEE TYPICAL DETAILS ON STRUCTURAL SHEETS.
4. TOILET CURB ON FLOORS: FOR TOILET ROOMS WITH MORE THAN TWO (2) FIXTURES IN RELOCATABLE BUILDINGS, PROVIDE A CONTINUOUS VINYL FLOORING, ARMSTRONG "RHINO 90402" OR EQUAL WITH FULLY SEALED JOINTS. VINYL FLOORING TO EXTEND A MIN. OF SIX (6) INCHES UP THE STUD WALL FROM THE FINISH FLOOR LEVEL. (REF: SEC. 2317 CBC; AND IR 25-5 D.S.A.)
5. ALL INTERIOR COLD AND HOT WATER IS OVERHEAD PIPING EXCEPT AT INSIDE WALLS UNLESS OTHERWISE NOTED.
6. ALL DRAIN AND SEWER FITTINGS BELOW FLOOR LINE SITE INSTALLED.
7. SEWER/WATER STUB OUTS: SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON PLANS AND CONNECTIONS SHOULD BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHOULD BE COORDINATED WITH BUILDING MANUFACTURER AND SITE CONTRACTOR/OWNER

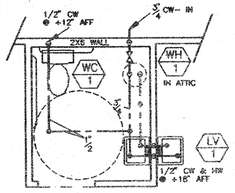
DIMENSION	A
TOILET CENTERLINE FROM WALL	18"
TOILET SEAT HEIGHT	17"-19"
GRAB BAR HEIGHT (SIDE)	33"-36"*
TOILET PAPER IN FRONT OF TOILET	12" MAX.
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.
DISPENSER OR MIRROR HEIGHT	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY/SINK KNEE CLEARANCE	29" MIN.
URINAL UP HEIGHT	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"

A = ADULT DIMENSIONS (AGE 12 AND OVER)
* = 33" IF TANK DOES NOT INTERFERE, 36" IF TANK TOILET DOES NOT ALLOW LOWER GRAB BAR HEIGHT.

PLUMBING LEGEND
COLD WATER
HOT WATER
WASTE
VENT
CLEAN OUT
VENT THRU ROOF
SHUT OFF VALVE
PIPE UP
PIPE DOWN

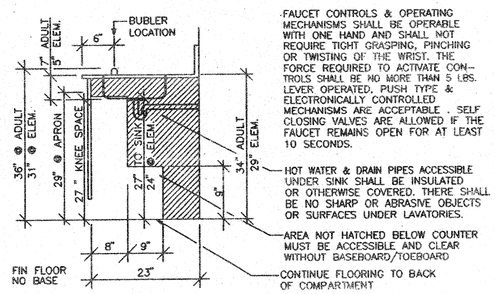


WASTE & VENT PLUMBING
FIXTURE UNITS - 8



SUPPLY PLUMBING
DEVELOPED LENGTH - 40'
ASSUMED WATER PRESSURE 45 - 60 PSI
FIXTURE UNITS - 9

ACCESSIBLE SINK COUNTERS	COUNTER HEIGHT	KNEE SPACE	SINK DEPTH MAX.	DRINKING FOUNTAIN/ BUBBLER HEIGHT	BUBBLER
ADULT	34"	27"	7"	36"	2"
ELEMENTARY	30"	24"	6"	NONE	NONE
ELEMENTARY	29"	24"	5"	31"	2"
KINDER	24"	–	ANY	26"	2"



ACCESSIBLE SINK CAB. SECT.

FAUCET CONTROLS & OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

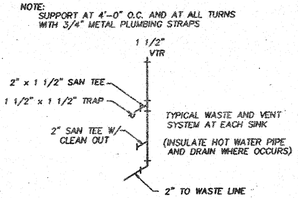
HOT WATER & DRAIN PIPES ACCESSIBLE UNDER SINK SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES.

AREA NOT HATCHED BELOW COUNTER MUST BE ACCESSIBLE AND CLEAR WITHOUT BASEBOARD/TOEBOARD

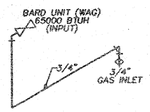
CONTINUE FLOORING TO BACK OF COMPARTMENT

FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	WASTE	VENT	C.W.	H.W.
WC 1	VITREOUS CHINA FLOOR MOUNTED SIPHON JET TANK TYPE WATER CLOSET WITH ELONG. OPEN FRONT SEAT. FIXTURE SHALL BE LOW VOLUME FLUSH TYPE. INSTALL FIXTURE IN COMPLIANCE WITH STATE REQUIREMENTS FOR THE PHYSICALLY HANDICAPPED.	3"	2"	1/2"	–
LV 1	20"x 17" VITRIOUS CHINA WALL MOUNTED LAVATORY. 1/2" ANGLE STOPS WITH SUPPLY AND WALL ESCUTCHEON CHROME PLATE P-TRAP. INSTALL IN ACCORDANCE WITH STATE REQUIREMENTS FOR THE PHYSICALLY HANDICAPED	2"	1-1/2"	1/2"	1/2"
WH 1	6 GALLON ELECTRIC WATER HEATER WITH P & T THRU FLOOR TO OUTSIDE OF STRUCTURE. WATER HEATER SHALL BE ENERGY COMMISION APPROVED.	–	–	3/4"	3/4"

NOTE: SUPPORT AT 4'-0" O.C. AND AT ALL TURNS WITH 3/4" METAL PLUMBING STRAPS



PLUMBING FOR OPTIONAL SINK
N.T.S.

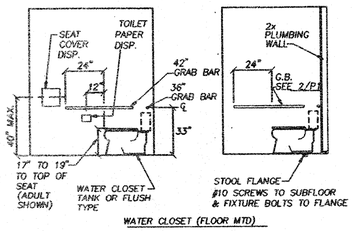


GAS SIZE PER C.P.C. TABLE 12-3, TOTAL 6500 / 1100 = 59 CFH MAX. DISTANCE OF TRAVEL = 24 FT.

NOTES:
1. GAS LINE SHALL BE GALV. STEEL (BLACK PIPE) SUPPORTED AT 4'-0" O.C. AND AT ALL TURNS WITH EMT BRACKET AND 2-#8 SCREWS WITH MIN. 1 1/2" PENETRATION TO BLKG. OR STUD
2. GAS SHUT-OFF SHALL BE WITHIN 3 FT. OF BARD UNITS PER C.P.C., PART 5, SECTION 1213.

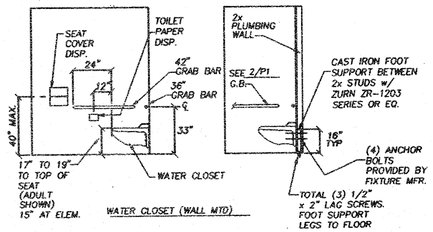
GAS HEAT PUMP SYSTEM
N.T.S.

THE DRAWINGS BELOW ONLY ILLUSTRATE THE SPECIFIC REQUIREMENTS FOR INSTALLING THE FIXTURES AND THE ACCESSORIES SHOWN.
SEE PROJECT SPECIFICATIONS FOR THE ACCESSORIES AND FIXTURES THAT APPLY TO THIS PROJECT.



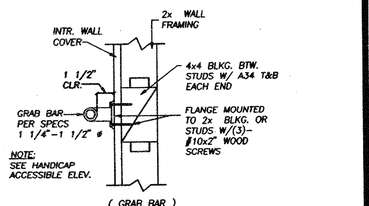
WATER CLOSET (FLOOR MTD)

1A ACCESS/ATTACH DETAIL
[ ] SEE VARIABLE ITEM NO. 1
[ ] NOT USED THIS PROJECT



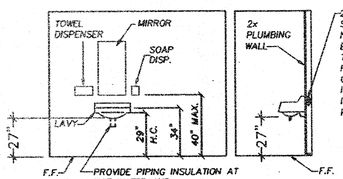
WATER CLOSET (WALL MTD)

1B ACCESS/ATTACH DETAIL
[ ] SEE VARIABLE ITEM NO. 1
[ ] NOT USED THIS PROJECT



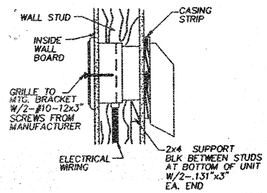
(GRAB BAR)

2 ATTACHMENT DETAIL
[ ] USED THIS PROJECT W/ 1A & 1B



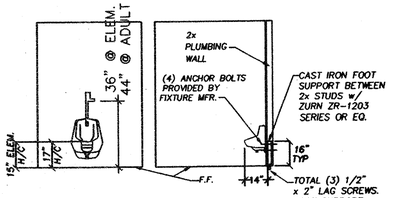
LAVATORY - WALL HUNG

3 ACCESS/ATTACH DETAIL
[ ] SEE VARIABLE ITEM NO. 3
[ ] NOT USED THIS PROJECT



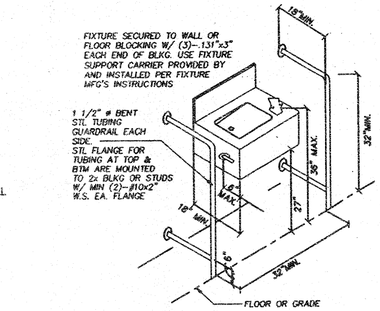
WALL OPENING SIZE: PER MFR SPECS.

4 WALL EXHAUST FAN ATTACHMENT
[ ] SEE VARIABLE ITEM NO. 15
[ ] NOT USED THIS PROJECT



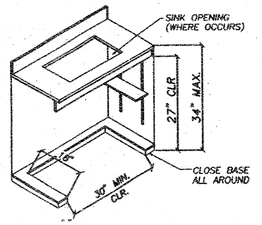
WALL HUNG URINAL

5 ACCESS/ATTACH DETAIL
[ ] SEE VARIABLE ITEM NO. 2
[ ] NOT USED THIS PROJECT



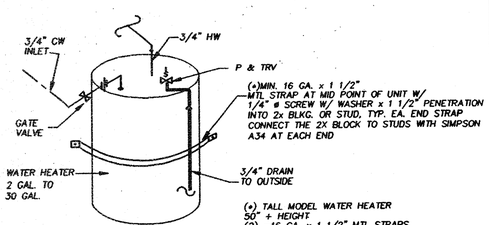
TYPICAL - WATER FOUNTAIN

6 ACCESS WATER FOUNTAIN
[ ] SEE VARIABLE ITEM NO. 6
[ ] NOT USED THIS PROJECT



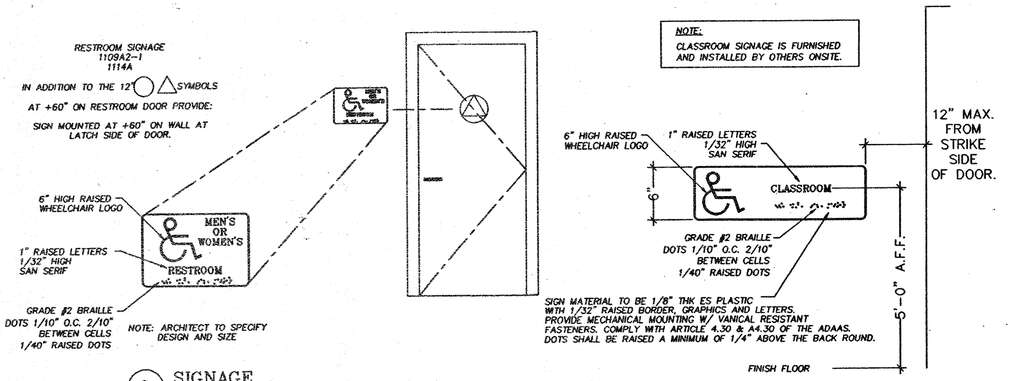
NOTES:
* DOORS NOT SHOWN FOR CLARITY DOORS ARE TO BE PROVIDED
* MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS
* PROVIDE ADJUSTABLE METAL STANDARDS AND REMOVABLE SHELF (INTERMEDIATE AND BOTTOM)
* 30" CLR. W/ CABINETS IN A 90° POSITION

7 ACCESSIBLE CABINET
[ ] SEE VARIABLE ITEM NO. 4
[ ] NOT USED THIS PROJECT



LOW BOY / MIDGET TYPE SHOWN

8 WATER HEATER
[ ] SEE VARIABLE ITEM NO. 7
[ ] NOT USED THIS PROJECT



9 SIGNAGE

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 36021 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-99

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 154-B
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
23-111803 FLS SS
AC DATE 6/22/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118 FLS SS
AC DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
2 100073 FLS SS
AC DATE JAN 15 1998

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

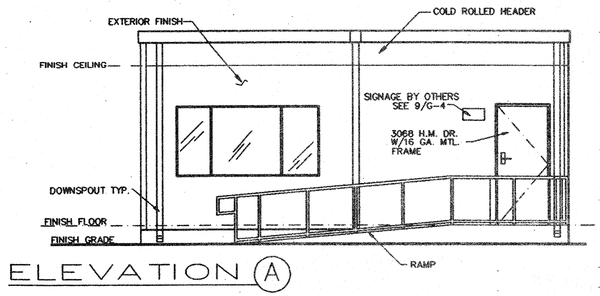
PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
PLUMBING GENERAL NOTES & DETAILS

JOB #

DATE 1-9-98
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS:

SHEET NO.
G-4



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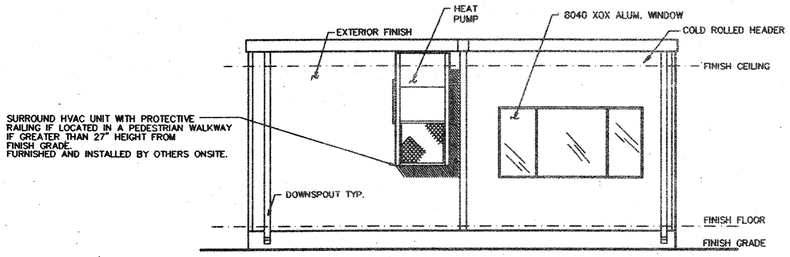
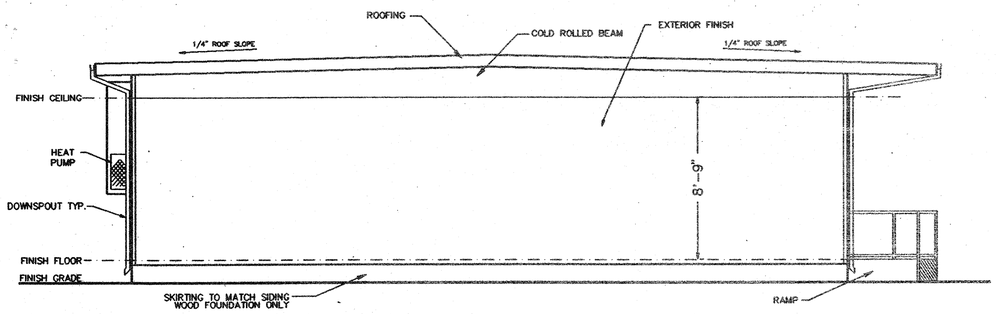


ELEVATION (B)



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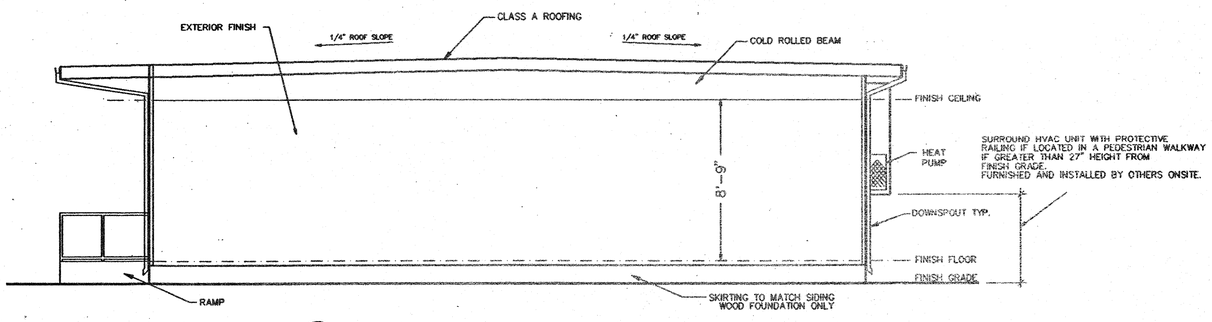
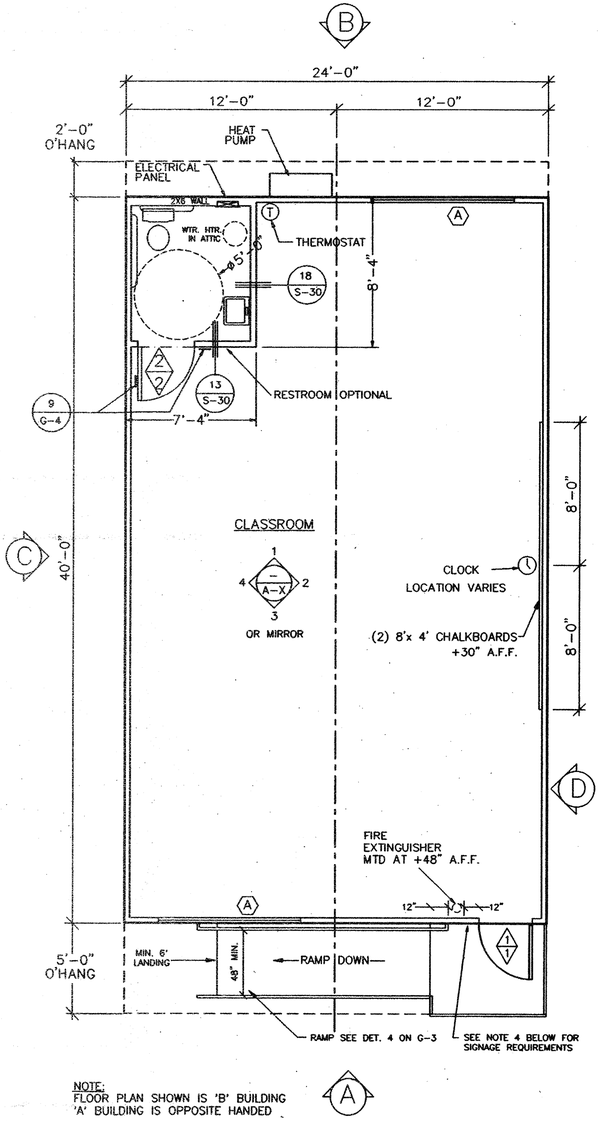


ELEVATION (D)

NOTE:
PROVIDE FIRE BLOCKING PER C.B.C. 708



NOTE:
FLOOR PLAN SHOWN IS 'B' BUILDING
'A' BUILDING IS OPPOSITE HANDED

A

FLOOR PLAN

INDICATES DOOR TYPE — SEE SHEET G-1
INDICATES HARDWARE TYPE

(A) INDICATES WINDOW TYPE– SEE SHEET G-1

NOTES:

1. MANUFACTURER SHALL MECHANICALLY ATTACH METAL TAG TO EXTERIOR OF BUILDING SHOWING OSA APPLICATION NUMBER, MANUFACTURERS NAME, UNIT SERIAL NUMBER, DESIGN LIVE LOADS FOR FLOOR AND ROOF, AND THE DESIGN WIND LOAD.
2. WALL AND CEILING FINISHES SHALL BE MIN. CLASS I MATERIAL
3. FIBERGLAS INSULATION SHALL HAVE THE FOLLOWING:
   FLAME SPREAD 0–25
   SMOKE DEVELOPED, FUEL CONTRIBUTED 0–450
4. SIGNAGE REQUIRED PER APPLICABLE CODES LISTED ON SHEET T–1 PROVIDED AND INSTALLED BY OTHERS ONSITE. SIM. TO DET. 9 ON G–4.
5. ANY ROOM HAVING AND OCCUPANT LOAD OF 50 OR MORE WHERE FIXED SEATS ARE NOT INSTALLED, AND WHICH IS USED FOR CLASSROOM, ASSEMBLY, DINING OR SIMILAR PURPOSE SHALL HAVE THE CAPACITY OF THE ROOM POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OF THE ROOM. POSTING SHALL BE BY MEANS OF A DURABLE SIGN HAVING CONTRASTING COLOR FROM THE BACKGROUND TO WHICH IT IS ATTACHED. (OCCUPANT LOAD 48)
6. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8–1/2 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR ATUOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS.

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 36021 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-117035 AC FLS SS DATE 6/27/2016

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 100118 AC FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 100073 AC FLS SS DATE JAN 15 1998

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

PROJECT 24'X40' MODULAR CLASSROOM BUILDING

TITLE FLOOR PLAN & EXTERIOR ELEVATIONS

JOB #

DATE 1-9-98

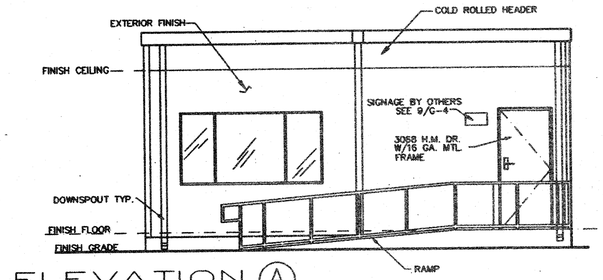
DRAWN BY R.D.L.

SCALE

APPROVED

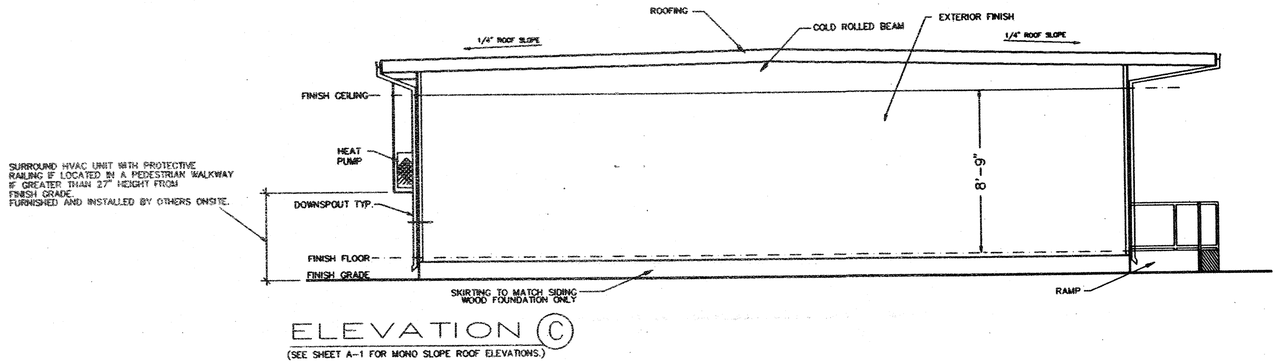
REVISIONS

SHEET NO. A-1-24



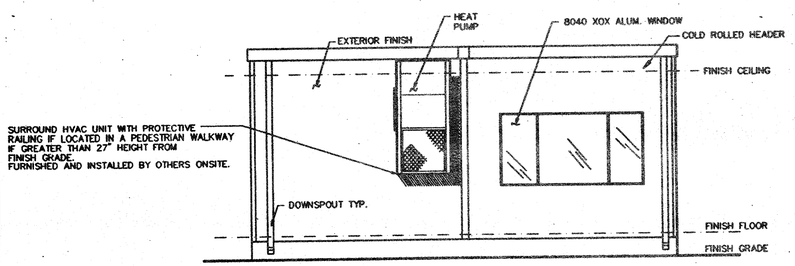
ELEVATION (A)

(SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)



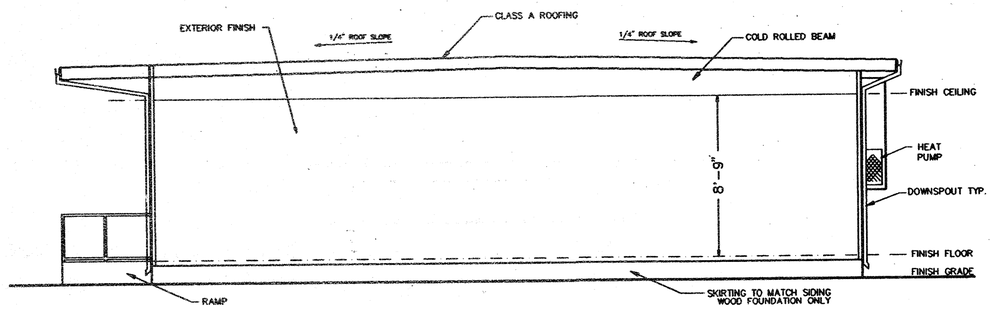
ELEVATION (C)

(SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)



ELEVATION (B)

(SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)



ELEVATION (D)

(SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 3602 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

AGENCY TRACKING NO. 83321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-117035 AC. FLS SS BY
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118 AC. FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
100073 AC. FLS SS
DATE JAN 15 1998

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-

PROJECT 24'X40' MODULAR CLASSROOM BUILDING

TITLE EXTERIOR ELEVATIONS (DUAL PITCH ROOF)

JOB #

DATE 12-8-97

DRAWN BY R.D.L.

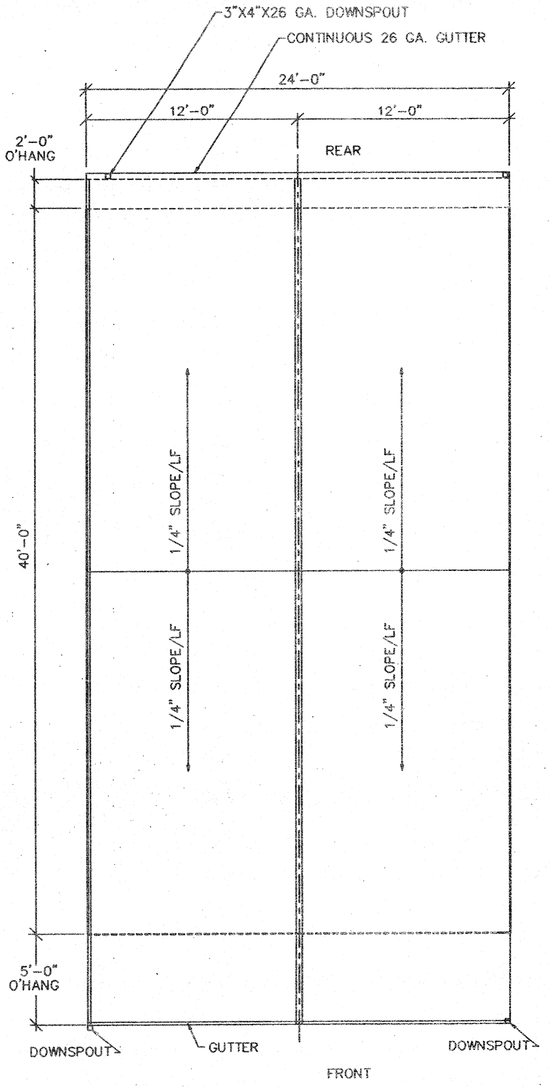
SCALE

APPROVED

REVISIONS

SHEET NO.

A-2-24



DUAL PITCH ROOF PLAN

SEE SHEET G-1 FOR ROOFING MATERIALS

NOTE:
BUILDING HOUSING GROUP 'E' OCCUPANCIES SHALL HAVE ROOF COVERINGS AS SPECIFIED IN TABLE 15A C.B.C. – CLASS 'A'

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIDDLE No. 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-117055 AC FLS SS DATE 5/23/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118 AC FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100073 AC FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

PROJECT
24'X40' MODULAR CLASSROOM BUILDING

TITLE
ROOF PLANS (DUAL PITCH)

JOB #

DATE 1-9-98

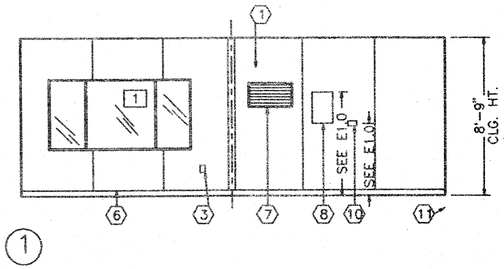
DRAWN BY R.D.L.

SCALE

APPROVED

REVISIONS

SHEET NO.
A-3-24



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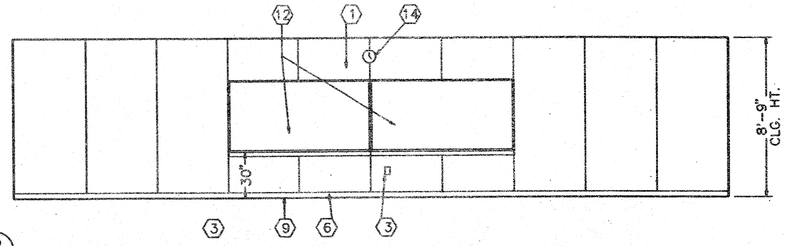

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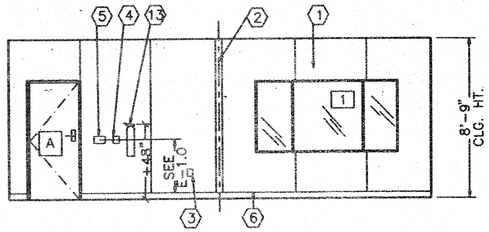

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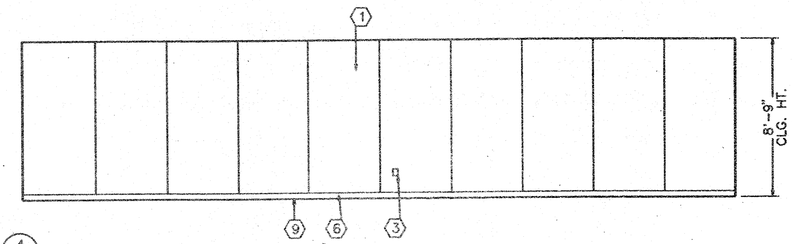

4

NOTES:

- A — EXTERIOR DOOR (SEE DOOR SCHEDULE SHT. A5.0)
- 1 — EXTERIOR WINDOW (SEE WINDOW SCHEDULE SHT. A5.0)
- ⟨1⟩ TYPICAL INTERIOR FINISH (SEE FINISH SCHEDULE SHT. A5.0)
- ⟨2⟩ CLOSURE AT MODULAR JOINT
- ⟨3⟩ DUPLEX WALL RECEPTACLE +18" AFF TO CENTER (SEE E1.0)
- ⟨4⟩ FIRE ALARM PULL STATION (SEE E1.0)
- ⟨5⟩ LIGHT SWITCH (SEE E1.0)
- ⟨6⟩ TOP SET BASE (TYPICAL) SEE FINISH SCHEDULE
- ⟨7⟩ RETURN AIR GRILL
- ⟨8⟩ ELECTRICAL PANEL (SEE E1.0)
- ⟨9⟩ FINISH FLOOR
- ⟨10⟩ THERMOSTAT SEE MECH. DWGS. AND SHT. E1.0
- ⟨11⟩ MODULAR JOINT
- ⟨12⟩ 8'-0" X 4'-0" MARKERBOARD
- ⟨13⟩ FIRE EXTINGUISHER: 5 LBS. DRY CHEM W/ 2AQ-10BC UL RATING ON WALL, HANDLE AT +48" AFF
- ⟨14⟩ 12" DIA. ELECTRIC CLOCK (SEE SHT. E1.0)

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER — FRED T. SHAFFER — No. 3602 — STRUCTURAL — STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117031
AC FLS SS
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 100118
AC FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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AC FLS SS
DATE JAN 13 1998

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MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-

PROJECT
24'X40' MODULAR CLASSROOM BUILDING

TITLE
INTERIOR ELEVATIONS

24x40

JOB #

DATE 12-8-97

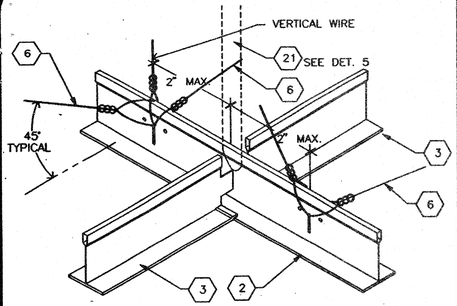
DRAWN BY R.D.L.

SCALE

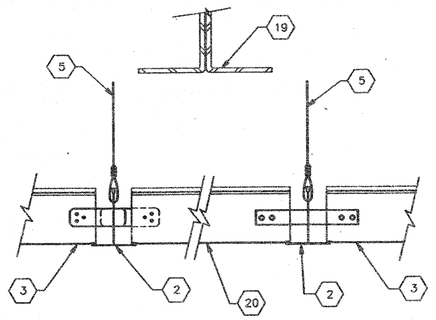
APPROVED

REVISIONS

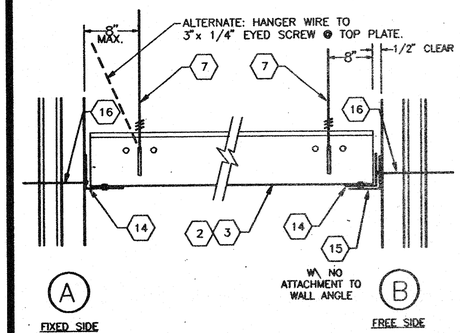
SHEET NO.
A-4-24



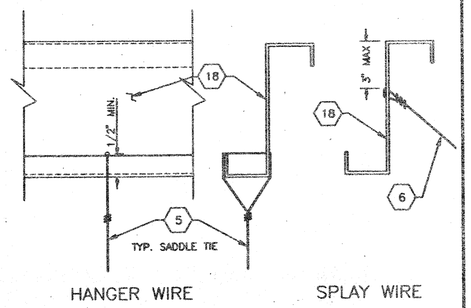
1 SPLAY WIRE



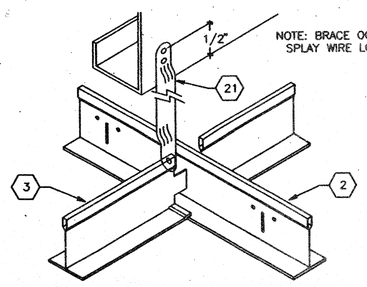
2 GRID AT MODLINE



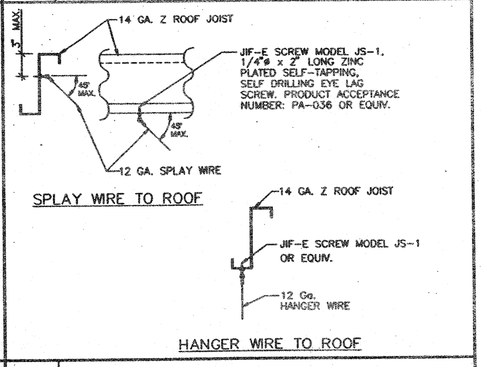
3 GRID AT WALL



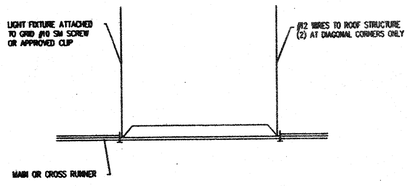
4 WIRE ATTACHMENT



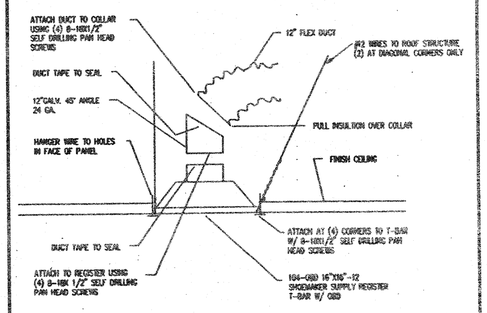
5 VERTICAL BRACE



6 ALTERNATE WIRE ATTACHMENT



7 LIGHTING FIXTURE DETAIL NTS



8 REGISTER BOX DETAIL NTS

KEY NOTES

1 MAIN RUNNERS @ 4'-0" O.C. WITH HANGER WIRES SPACED @ 4'-0" O.C. MAX.

2 MAIN RUNNER: DONN CORP. DX-26 HEAVY DUTY

3 CROSS RUNNER: DONN CORP. DXO-424 HEAVY DUTY

4 WALL RUNNER: DONN CORP. M7-EV

5 TYPICAL HANGER WIRE TO BE 12 Ga. STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (3) TIGHT TURNS WITHIN 1 1/2" – SEE DETAIL 4

6 TYPICAL SPLAY WIRE TO BE 12 Ga. STEEL WIRE ATTACHED TO STRUCTURE ABOVE AND TO GRID WITH (4) TIGHT TURNS WITHIN 1 1/2" – SEE DETAIL 4

7 AT END OF ROWS OF RUNNERS, A HANGER WIRE SHALL BE ATTACHED WITHIN 8" (OF ANY WALL OR SOFFIT.) OR 1/4 LENGTH OF END TEE WHICHEVER IS LEAST

8 VERTICAL WIRES MORE THAN 1:6 OUT OF PLUMB SHALL HAVE COUNTERBALANCE WIRES INSTALLED. ADJOINING WALLS; AT OTHER WALLS NO ATTACHMENT. A 1/2" CLEARANCE BETWEEN END OF RUNNER AND FACE OF WALL WIRES INSTALLED AS INDICATED ON PLAN. SPLAY WIRES SHALL BE TAUT BUT NOT DISTORT.

9 RUNNERS MAY BE ATTACHED TO WALL MOLDING AT (2) ADJOINING WALLS; AT OTHER WALLS NO ATTACHMENT. WHERE THERE IS NO ATTACHMENT THERE SHALL BE A 1/2" CLEARANCE BETWEEN END RUNNER AND FACE OF WALL.

10 CEILING AREAS EVERY 144 SQ. FT. OR LESS SHALL HAVE SPLAY WIRES INSTALLED AS INDICATED ON CEILING PLAN. SPLAY WIRES SHALL BE TAUT BUT SHALL NOT DISTORT GRID.

11 ELECTRICIAN SHALL PROVIDE (2) SLACK HANGER WIRES AT OPPOSITE CORNERS OF ALL LIGHT FIXTURES. WIRES SHALL BE ATTACHED TO STRUCTURE ABOVE PER NOTE 5. LIGHT FIXTURES SHALL BE ATTACHED TO CEILING GRID WITH (2) #8 SHEET METAL SCREWS.

12 DUCTWORK, IF REQUIRED, SHALL BE RIGIDLY ATTACHED TO STRUCTURE ABOVE AT INTERVALS NOT TO EXCEED 4'-0" AND SHALL NOT BE CLOSER THAN 6" TO ANY WIRE.

13 CEILING REGISTERS, WHEN INDICATED ON PLANS, SHALL BE ATTACHED TO STRUCTURE ABOVE PER NOTE 5.

14 CONT. WALL ANGLE WITH POP RIVET TO EACH MEMBER.

15 CONTINUOUS WALL ANGLE.

16 6d NAIL @ 16" O.C. INTO BLOCK OR STUD.

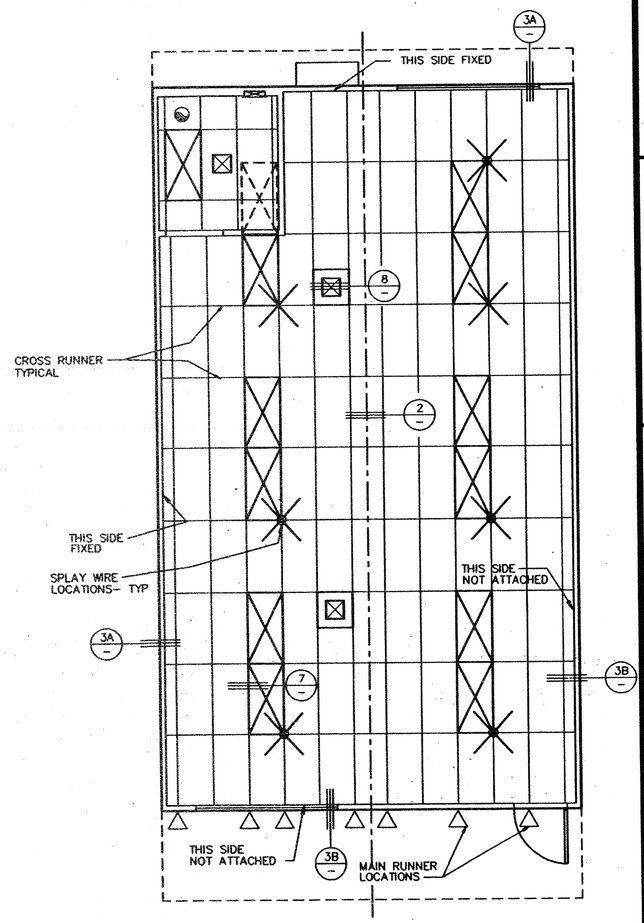
17

18 ROOF JOIST

19 ROOF BEAM

20 CLOSE OFF CROSS TEE– INSERT ONE END OF CROSS TEE INTO MAIN RUNNER WITH BAYONET. CUT OPPOSITE END TO FIT (IF LESS THAN 24"). INSERT MIN. 20 ga. MTL. STRAP THRU MAIN RUNNER. SECURE TO CROSS TEE W/ (2) #8 TEK SCREWS AT EACH END.

21 VERTICAL BRACE– 1/2" STEEL CONDUIT AT SPLAY WIRE LOCATIONS. DRILL 1/8" HOLE THRU CONDUIT AT TOP & BOTTOM. ATTACH CONDUIT TO JOIST ABOVE OR TO BLOCKING W/ (2) #8 SCREWS.



REFLECTED CEILING PLAN

LEGEND

SUPPLY AIR DIFFUSERS

2'x 4' FLUORESCENT DROP-IN FIXTURE

4-WAY SPLAY WIRE SYSTEM

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3802 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-117035 AC FLS SS DATE 6/27/2016

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 110118 FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 100073 FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

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PHONE: (909) 788-3035 FAX: (909) 788-1523

PC–

PROJECT 24'X40' MODULAR CLASSROOM BUILDING

TITLE REFLECTED CEILING PLAN

JOB #

DATE 12-8-97

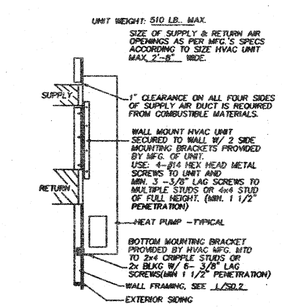
DRAWN BY R.D.L.

SCALE

APPROVED

REVISIONS

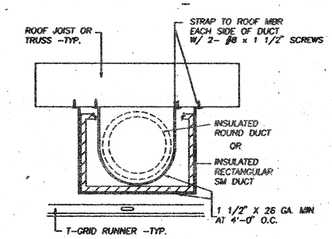
SHEET NO.
A-6-24



AIR FILTER: SEE GEN. NOTES ON ARCH'L SHEET OF PLANS

HVAC MOUNTING

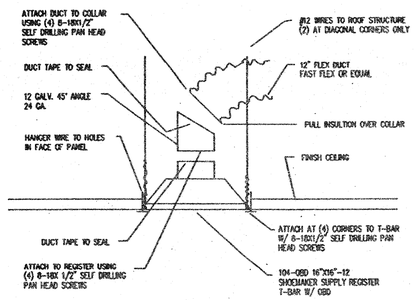
SCALE: 3/8" = 1'-0"



FACTORY-MADE AIR DUCTS: SEE GENERAL NOTES ARCH'L SHEET OF PLANS

DUCT MOUNTING

SCALE: 1" = 1'-0"



REGISTER BOX DETAIL

NTS

EQUIPMENT & MATERIAL SCHEDULE

(HP 1) HEAT PUMP 'BARD' WALLMOUNT, WH421-LA08VX4, OR EQUIV.
41,500 NOM. BTUH COOLING CAPACITY
41,000 NOM. BTUH HEATING CAPACITY FROM COMPRESSOR
OR 27,300 NOM. BTUH HEATING CAPACITY FROM HEAT STRIP
BUT NOT BOTH
MCA 46, MOCP 50, 1500 CFM @ .3 ESP, UNIT WEIGHT 510 LB..
230 VOLT, 60 CYCLE, SINGLE PHASE

INTERIOR DUCTWORK- FLEX DUCT W/ 1"
INSULATION- CLASS I U.L.-181
FLAME SPREAD - 15
SMOKE DEVELOPED - 25

LEGEND

(T) THERMOSTAT - WHITE ROGERS 1F92-71
MOUNT AT +48" A.F.F.

16"x16" LAY-IN, 4-WAY OPPOSED BLADE SUPPLY AIR DIFFUSER

EXHAUST FAN (BROAN #670 OR EQUAL)
50 CFM

MECHANICAL NOTES

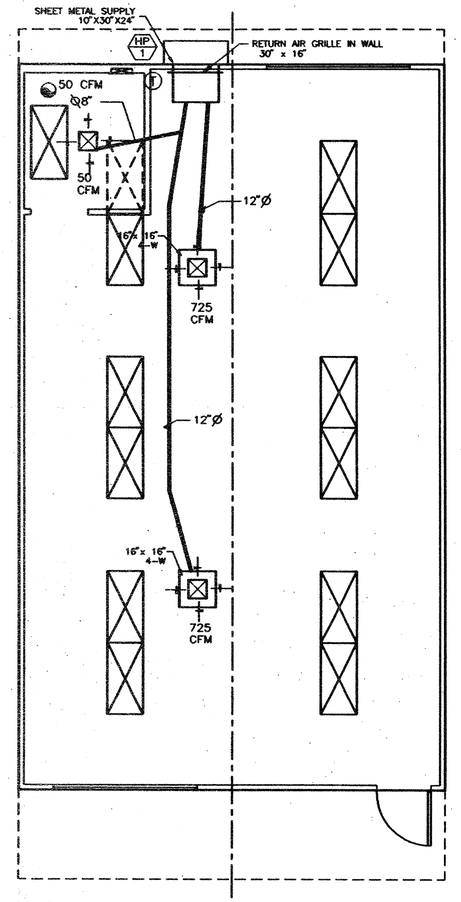
ROUND FLEX DUCT SHALL BE 'GLASS FLEX' ABL-181 OR EQUAL U.L. LISTED CLASS I FLEXIBLE DUCT WITH 13/16" THICK FIBERGLASS INSULATION. NON-PERFORATED LINER AND ADJUSTABLE SHEET METAL COLLARS.

THERMOSTAT PROGRAMMING TO BE PERFORMED AND BATTERY PROVIDED BY OTHERS ON SITE.

TEST AND BALANCE OF HVAC SYSTEM TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

ALL HVAC EQUIPMENT LEAVES FACTORY WIRED FOR 240V. OPERATION. THE ACCEPTABLE OPERATING RANGE FOR THE 240 & 208 TAPS ARE:

TAP	RANGE
240	253-216
208	220-187



MECHANICAL PLAN

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 36021 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-117035 AC FLS SS DATE 6/27/2016

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 100118 AC FLS SS DATE JAN 15 1998
STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4100073 AC FLS SS DATE JAN 15 1998
STATE AGENCY APPROVAL

PROJECT 24'X40' MODULAR CLASSROOM BUILDING

TITLE MECHANICAL PLAN

JOB #

DATE 12-8-97

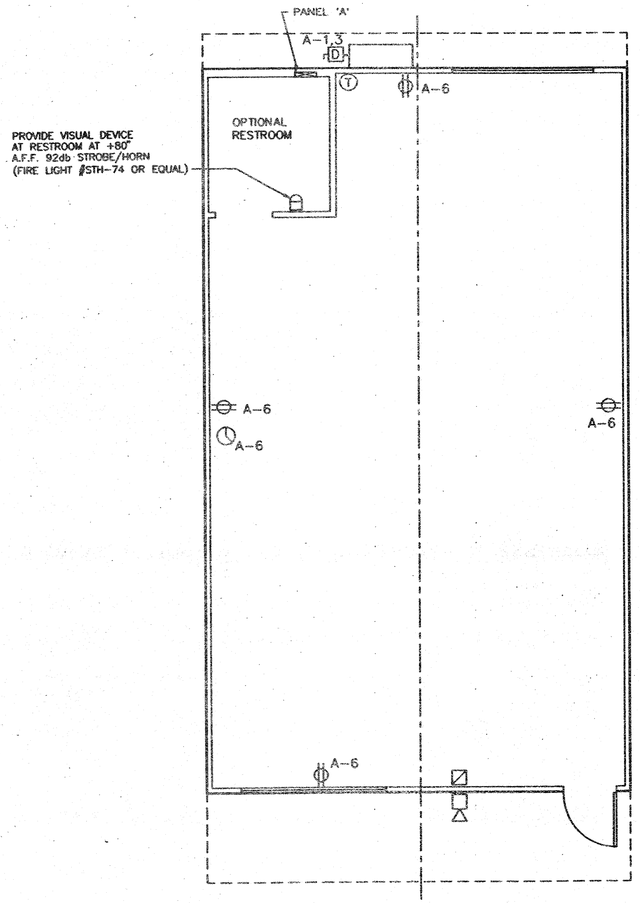
DRAWN BY R.D.L.

SCALE

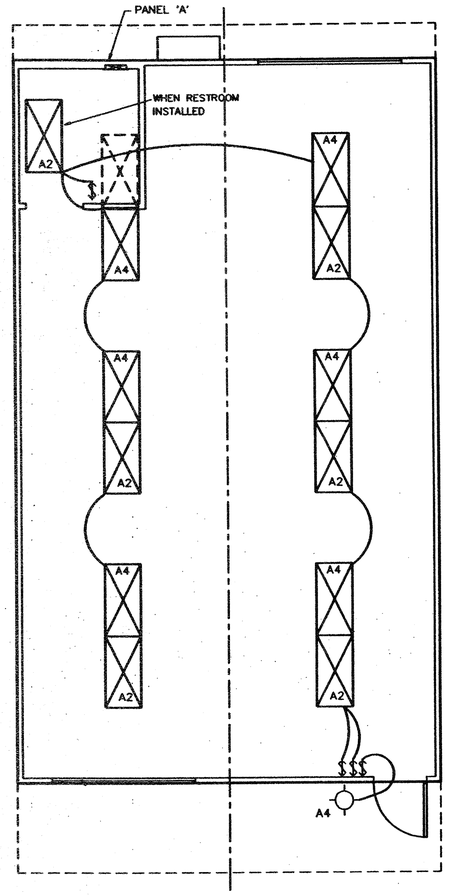
APPROVED

REVISIONS

SHEET NO.
M-1-24



ELECTRICAL POWER PLAN

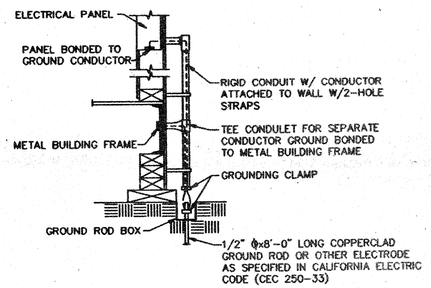


ELECTRICAL LIGHTING PLAN

NOTES:
1. FIRE ALARM SYSTEM SHALL COMPLY W/ TITLE 24 SEC. 305.9, TITLE 24, PART 3, ARTICLE 760 OF THE CALIFORNIA CODE OF REGULATIONS AND CALIFORNIA FIRE REGULATIONS, ARTICLE 10.
2. INSTALLATION OF FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAIL PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STUCTURAL ENGINEER IN GENERAL CHARGE OF DESIGN AND THE SIGNATURE OF THE ARCHITECT OR PROFESSIONAL ENGINEER WHO HAS BEEN DELEGATED RESPONSIBILITY COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, AND APPROVED BY THE OFFICE OF THE STATE ARCHITECT AND STATE FIRE MARSHAL.

SYMBOL LEGEND

- DISCONNECT–GENERAL SWITCH R610–B,60 AMP. NOT REQUIRED ON A/C UNITS WITH INTERNAL DISCONNECT BREAKER
- PULL STATION @ +48" A.F.F.
- EXT. HORN @ +7'–0" A.F.F.
- 110V RECEPTACLE 20 AMP HOSP. GRADE @ +15" A.F.F.
- SWITCH @ +42" A.F.F.
- THERMOSTAT @ +48" A.F.F.
- CLOCK @ +8'–0"
- EXTERIOR LIGHT– SEE FIXTURE SCHEDULE
- STROBE LIGHT @ +80" A.F.F.



NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250–95.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & TO METAL BUILDING FRAME (CEC 250–81) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO THE SOIL IF AVAILABLE (CEC 250–81 & 250–83).
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). INCLUDING RAMP TO STEEL FRAME.
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'–0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250–84).
5. PROJECT INSPECTOR SHALL WITNESS GROUNDING TEST.

ACCEPTABLE GROUNDING DETAIL

BY OWNER

PANELBOARD SCHEDULE W/ OPTIONAL WATER HEATER PANEL A(1)

VOLTS 120/240 PHASE 1 BUSS 100 A FEED BOTTOM
MAIN BRKR 100 A WIRE 3 MOUNT FLUSH LOCATION INTERIOR

DESCRIPTION	WATTS A@	WATTS B@	WIRE SIZE	BREAKER	POLE	CKT. NO.	A	B	CKT. NO.	POLE	BREAKER	WIRE SIZE	WATTS A@	WATTS B@	DESCRIPTION
HVAC 3.5 TON	5290	——	8	50	2	1			2	1	20	12	864	——	LIGHTS
HVAC 3.5 TON	——	5290	8	–	–	3			4	1	20	12	——	964	LIGHTS/PORCH
OPTIONAL WATER HEATER	——	1400	12	20	1	5			6	1	20	12	720	——	RECEPT
–	——	——	–	–	–	7			8	–	–	–	——	——	–
–	——	——	–	–	–	9			10	–	–	–	——	——	–
–	——	——	–	–	–	11			12	–	–	–	——	——	–
SUB TOTAL	5290	6690											1584	964	SUB TOTAL

LOAD KW A 6,674 B 7,654 TOT 14,528
*L.C.L. = 1,628 x 1.25 = 2,285
OTHER = 12,700
MAX DEMAND = 14,985
TOTAL LOAD CONN. 60.5 AMPS MAX DEMAND 62.4 AMPS

PANELBOARD SCHEDULE PANEL A

VOLTS 120/240 PHASE 1 BUSS 100 A FEED BOTTOM
MAIN BRKR 100 A WIRE 3 MOUNT FLUSH LOCATION INTERIOR

DESCRIPTION	WATTS A@	WATTS B@	WIRE SIZE	BREAKER	POLE	CKT. NO.	A	B	CKT. NO.	POLE	BREAKER	WIRE SIZE	WATTS A@	WATTS B@	DESCRIPTION
HVAC 3.5 TON	5290	——	8	50	2	1			2	1	20	12	864	——	LIGHTS
HVAC 3.5 TON	——	5290	8	–	–	3			4	1	20	12	——	964	LIGHTS/PORCH
–	——	——	–	–	–	5			6	1	20	12	720	——	RECEPT
–	——	——	–	–	–	7			8	–	–	–	——	——	–
–	——	——	–	–	–	9			10	–	–	–	——	——	–
–	——	——	–	–	–	11			12	–	–	–	——	——	–
SUB TOTAL	5290	5290											1584	964	SUB TOTAL

LOAD KW A 5,874 B 5,254 TOT 13,128
*L.C.L. = 1,828 x 1.25 = 2,285
OTHER = 11,300
MAX DEMAND = 13,585
TOTAL LOAD CONN. 54.7 AMPS MAX DEMAND 56.6 AMPS

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'x 4' FLUORESCENT DROP–IN LIGHT FIXTURE, ACRYLIC PRISMATIC LENS, ENERGY SAVING BALLAST, (4) 35 WATT TUBES. WEIGHT– 27 lbs	144 WATTS	
	INCANDESCENT SURFACE MOUNTED EXTERIOR LIGHT FIXTURE WITH IMPACT RESISTANT ENCLOSURE.	100 WATTS	

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER — No. 3602 — ROBERT T. SIMPSON — STRUCTURAL — STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

AGENCY TRACKING NO. 63321-154
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03-117037
AC. AE FLS SS BY
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4 100118
AC. AE FLS SS BY
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100073
AC. AE FLS SS BY
DATE JAN 15 1998

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PHONE: (909) 788–3035 FAX: (909) 788–1523

PC.–

PROJECT 24'X40' MODULAR CLASSROOM BUILDING

TITLE ELECTRICAL LIGHTING PLAN
ELECTRICAL POWER PLAN
PANEL SCHEDULE

JOB #
DATE 12-8-97
DRAWN BY R.D.L.
SCALE
APPROVED
REVISIONS

SHEET NO.
E–1–24

GENERAL NOTES:

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH THE 1994 EDITION OF THE CALIFORNIA BUILDING CODE, CCR TITLE 24, PART 2 (CBC) AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, LATEST REVISIONS (MODIFICATIONS TO THE 1994 UNIFORM BUILDING CODE (UBC), UBC STANDARDS AND UBC RECOGNIZED STANDARDS. – NOTE: ALL UBC RECOGNIZED STANDARDS AS APPLICABLE ARE REQUIRED FOR THIS PROJECT.) ALSO REFER TO THE DIVISION OF THE STATE ARCHITECT – STRUCTURAL SAFETY SECTION "INTERPRETATIONS OF REGULATIONS" SEE ESPECIALLY IR 23–6. THESE STRUCTURES ARE DESIGNED PER THE MODIFIED REQUIREMENTS TEMPORARY FOUNDATIONS (U.O.N.).
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS.
3. DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS.
4. THE CONSTRUCTION SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
5. NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.
6. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
7. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.
8. PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL OR OTHER DRAWINGS INCLUDED IN CONSTRUCTION DOCUMENTS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.
10. ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISHED FIRST FLOOR ELEVATION = 0'–0".
11. PROVIDE INSPECTIONS, TESTS AND REPORTS IN ACCORDANCE WITH CCR TITLE 24, PART 2 AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
12. IN ADDITION TO CONTINUOUS PROJECT INSPECTION, THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED, AS A MINIMUM:
    A. INSPECTION OF ALL WELDING FOR STRUCTURAL STEEL, PER TITLE 24, PART 2, SECTION 2312A.5.
    B. INSPECTION FOR CONCRETE AND CONCRETE REINFORCEMENT PLACEMENT, PER TITLE 24, PART 1, CHAPTER 4, GROUP 1 AND TITLE 24, PART 2, SECTION 1701A.
13. ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY TITLE 24, PART 1, CHAPTER 4, GROUP 1.
14. DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE APPROXIMATE – DO NOT SCALE PLANS OR DETAILS.
15. WHEN MODULE IS RELOCATED – DO NOT REINSTALL NAILS OR SCREWS IN EXISTING HOLES.

WOOD:

1. STRUCTURAL FRAMING SHALL BE HEM FIR – LARCH GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
   ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2.
2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1–95. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.
3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1–1981 AND 1991 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE–TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI.
4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 1991 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (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 THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLES 9.3 IN NDS.
5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 1991 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (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 TABLES 11.3 IN NDS.
7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE–BORED TO 3/4 OF THE NAIL DIAMETER.
9. STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON NAILS PER ALL REQUIREMENTS OF 1991 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 23A–I–Q. 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 12.3B IN NDS. (SEE NAIL EQUIVALENCE BELOW.)
10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.N.)
    6d EQUALS .113" DIA. – PROVIDE 1.36" MIN. POINT PENETRATION
    8d EQUALS .131" DIA. – PROVIDE +1.57" MIN. POINT PENETRATION
    10d EQUALS .148" DIA. – PROVIDE +1.78" MIN. POINT PENETRATION
    16d EQUALS .162" DIA. – PROVIDE +1.94" MIN. POINT PENETRATION
    + 1 1/2" AT 2x MEMBERS
11. EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH TITLE 24, PART 2, SECTION 2326A, CONVENTIONAL LIGHT–FRAME CONSTRUCTION PROVISIONS, AS A MINIMUM.
12. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303A.1.3, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS FROM AGENCY APPROVED BY DSA. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (LP22)" OR "FOR ABOVE GROUND USE (LP2)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT). WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER LP2. A QUALITY CONTROL STAMP IS NOT REQUIRED FOR STRUCTURAL MEMBERS BELOW THE SUB FLOOR THAT ARE NOT PART OF THE FOUNDATION.
13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2, SECTIONS 2311A.3.3. AND 2514A.3. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
14. POWDER DRIVEN FASTENERS SHALL BE BY HILTI, INC., HILTI FASTENING SYSTEMS – OR EQUAL. INSTALL IN ACCORDANCE WITH DRAWINGS AND THE MANUFACTURER'S RECOMMENDATIONS AND ICBO APPROVALS.

CONCRETE:

1. CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, IN ACCORDANCE WITH ASTM C31 AND C39. TESTING SHALL BE IN ACCORDANCE WITH CBC (CCR TITLE 24, PART 2) SECTION 1905A.6. THREE CYLINDERS FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN BY THE OWNER'S TESTING LABORATORY NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED. PROVIDE 6% ENTRAINED AIR BY VOLUME WITH ADMIXTURE PER ASTM C260 FOR SITES ABOVE 1500 FEET IN ELEVATION, SEE ALSO CBC SECTION 1904A.2.
2. ALL CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATORS.
3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CBC (CCR TITLE 24, PART 2) AND ACI STANDARD 318, LATEST EDITION, OF THE AMERICAN CONCRETE INSTITUTE, UNLESS SHOWN OR NOTED OTHERWISE ON THESE DRAWINGS.
4. AGGREGATE SHALL CONFORM TO ASTM C33 AND CBC SECTION 1903A.3. GRADING OF COMBINED AGGREGATE SHALL BE PER TITLE 24, PART 2, TABLE 19A–J (1" MAX. AGGREGATE).
5. CEMENT SHALL BE ASTM C150, TYPE I OR TYPE II. SEE ALSO REQUIREMENTS OF CBC SECTION 1903A.2.
6. REINFORCING STEEL SHALL BE DEFORMED CONFORMING TO ASTM A615 GRADE 40 UNLESS OTHERWISE NOTED.
7. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185.
8. WELDING OF REINFORCING STEEL SHALL BE PERFORMED ONLY WHERE INDICATED ON THE DRAWINGS AND SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CBC, UBC STANDARD 19–2 AND THE REINFORCING STEEL WELDING CODE, AWS D1.4, LATEST REVISION, OF THE AMERICAN WELDING SOCIETY. PROVIDE WELDING PROCEDURE AND MILL TEST REPORTS FOR ALL REINFORCEMENT TO BE WELDED. REINFORCING WITH C.E. ABOVE .75 SHALL NOT BE WELDED. ARCHITECT SHALL APPROVE WELDING PROCEDURE. WELDER QUALIFICATIONS AND MILL TEST REPORTS PRIOR TO EXECUTION OF WELDING. PROVIDE INSPECTION PER SECTION 1928A.12, TITLE 24, PART 2.
9. COVERAGE FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CBC AND ACI STANDARD 318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
10. LAP SPLICES FOR REINFORCING BARS SHALL BE 50 BAR DIAMETERS OR 18" MINIMUM UNLESS SHOWN OTHERWISE ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS OR SPLICES. STAGGER LAPS IN ADJACENT HORIZONTAL OR SLOPING REINFORCING BARS A MINIMUM OF THE REQUIRED SPLICE LENGTH. HOOKS AND BENDS SHALL BE CBC STANDARD PER CCR TITLE 24, PART 2, SECTION 1907A.1 THROUGH 1907A.3 UNLESS SHOWN OTHERWISE. WELDED WIRE FABRIC SHALL BE SPLICED BY LAPPING A MINIMUM OF 12 INCHES OR TWO CROSS WIRES, WHICHEVER IS GREATER.
11. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ASTM C94 (UBC STANDARD 19–3) AND ACI STANDARD 304. COMPLY WITH REQUIREMENTS OF CCR TITLE 24, PART 2, SECTION 1905A.
12. ALL EMBEDDED ITEMS SHALL BE PLACED ACCURATELY AND SECURED PRIOR TO BEGINNING CONCRETE PLACEMENT.
13. CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. CONSTRUCTION JOINTS SHALL COMPLY WITH CBC SECTION 1906A.4. LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND DSA.
14. PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY FABRICATION.
15. CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF ANY CONCRETE. CONCRETE MIX DESIGNS SHALL BE PER CBC SECTION 1905A.2, METHOD A (TABLE 19A–A–7). [ALTERNATE MIX DESIGN: METHOD B OR C MAY BE USED PER CBC SECTION 1905A.2 THROUGH 1905A.5. METHOD B OR C MIX DESIGNS SHALL BE SIGNED BY A CIVIL ENGINEER LICENSED IN CALIFORNIA.]
16. ALL GROUT SHALL BE NONMETALLIC NON–SHRINK HIGH STRENGTH GROUT BY MASTER BUILDERS OR EQUIVALENT AS APPROVED BY THE ARCHITECT. UTILIZE PRODUCTS RECOMMENDED BY THE MANUFACTURER FOR EACH APPLICATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
17. REINFORCING AND EMBEDDMENT ITEMS SHALL BE FREE OF EXCESSIVE SCALE OR RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCE THAT WILL IMPAIR BOND WITH CONCRETE.
18. OWNER SHALL PROVIDE INSPECTIONS IN ACCORDANCE WITH CCR TITLE 24 FOR THE PLACEMENT OF CONCRETE AND CONCRETE REINFORCEMENT, FOR BOLTS INSTALLED IN CONCRETE AND FOR SAMPLING CONCRETE. OWNER'S INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
19. ADDITIONALLY, PROVIDE TESTS AND INSPECTIONS IN ACCORDANCE WITH TITLE 24, PART 2, SECTION 1928A. A PLACING RECORD SHALL BE MAINTAINED FOR ALL CONCRETE PLACED IN THE STRUCTURE.
20. BATCH PLANT INSPECTION, CEMENT AND REINFORCING TESTS ARE NOT REQUIRED. THE QUANTITIES OF CONCRETE MATERIALS SHALL BE CERTIFIED BY A LICENSED WEIGHMASTER AND THE QUALITY OF MATERIALS SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY. COMPLY WITH ALL REQUIREMENTS OF TITLE 24, PART 2, SECTIONS 1928A.5.2 AND 1928A.6.
21. ALL CONCRETE WORK SHALL BE FORMED. CASTING OF FOUNDATION CONCRETE AGAINST SIDES OF FOOTING EXCAVATIONS SHALL NOT BE ALLOWED EXCEPT AS SPECIFICALLY APPROVED BY ARCHITECT, STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
22. MAX. CONC. SLUMP TO BE 3"

CONCRETE FOUNDATION:

1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER TITLE 24, TABLE 18A–I–A.
3. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE TYPICAL FOOTING STEP DETAILS ON THESE DRAWINGS.
4. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
5. PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
6. FOUNDATIONS ARE DESIGNED AS FIXED FOUNDATIONS IN ACCORDANCE WITH TITLE 24, CHAPTER 18A. (REFERENCE IR 23–6)
   A. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 2" MINIMUM.

STRUCTURAL STEEL:

1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.
2. TUBE MEMBERS SHALL BE ASTM A500 WITH MIN. YIELD STRESS OF 46,000 PSI. PIPE MEMBERS SHALL BE ASTM A53 WITH A MIN. YIELD STRESS OF 35,000 P.S.I.
3. UNLESS OTHERWISE NOTED, LIGHT GAUGE STEEL PLATE (10 GAUGE AND LESS) SHALL BE GALVANIZED AND PER THE REQUIREMENTS OF ASTM A36, ASTM A446 OR EQUAL WITH MINIMUM YIELD STRESS OF 33,000 PSI.
4. ALL BOLTS SHALL BE ASTM A307 MACHINE BOLTS UNLESS NOTED OTHERWISE.
5. ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE – STEEL, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. INSPECTION OF ALL WELDING SHALL BE PROVIDED, SEE NUMBER 8, BELOW.
6. FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) (UBC CHAPTER 22, DIVISION IX). ALSO COMPLY WITH REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. (THERE ARE NO SELF–SUPPORTING FRAMES ON THIS PROJECT – TEMPORARY BRACING IS REQUIRED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE.)
7. PRIME ALL STEEL SURFACES WITH AN APPROVED PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE AND SURFACES TO RECEIVE FIELD WELDS. TOUCH–UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION. ALTERNATE: PROVIDE GALVANIZED PER ASTM STANDARDS.
8. PROVIDE TESTS AND INSPECTIONS IN ACCORDANCE WITH CCR TITLE 24, PART 2, SECTION 2212A (CBC). ALL STEEL SHALL BE PROPERLY IDENTIFIED PER SECTION 2212A.1
9. WELDING SHOULD BE IN ACCORDANCE WITH IR–27–8 (REV. 10–25–95) SECTION K, ITEMS 1–8, 10–14, AND 18–23. SEE SHT. S–1A.

ABBREVIATIONS:

A.B.	ANCHOR BOLT	HCB	HOLLOW CONCRETE BLOCK
ABV.	ABOVE	HD	HOLDOWN
ADDL.	ADDITIONAL	HDR.	HEADER
ADJ.	ADJACENT	HK.	HOOK
ALT.	ALTERNATE	HORIZ.	HORIZONTAL
APPROX.	APPROXIMATE	H.S.	HIGH STRENGTH
ARCH.	ARCHITECTURAL		
BLDG.	BUILDING	INFO.	INFORMATION
BLKG.	BLOCKING	INTR.	INTERIOR
BLW.	BELOW	INTRM.	INTERMEDIATE
BM.	BEAM	JT.	JOINT
B.O.	BOTTOM OF	LCTN.	LOCATION
BOT.	BOTTOM		
B.S.	BOTH SIDES	MAX.	MAXIMUM
BTWN.	BETWEEN	MECH.	MECHANICAL
		MFR.	MANUFACTURER
C.J.	CONSTRUCTION JOINT	MIN.	MINIMUM
℄	CENTERLINE	MOD.	MODULE
CLG.	CEILING		
CLR.	CLEAR	(N)	NEW
CMU	CONCRETE MASONRY UNIT	N.S.	NEAR SIDE
COL.	COLUMN	N.T.S.	NOT TO SCALE
CONC.	CONCRETE		
CONSTR.	CONSTRUCTION	O.C.	ON CENTER
CONN.	CONNECTION	O.H.	OPPOSITE HAND/OVERHANG
CONT.	CONTINUOUS	OPNG.	OPENING
CP	COMPLETE PENETRATION	OPP.	OPPOSITE
CSK.	COUNTERSINK		
		PC.	PIECE
DBL.	DOUBLE	PL. (℄)	PLATE
DET.	DETAIL	PPT/PT	PRESSURE PRESERVATIVE TREATED
D.F.	DOUGLAS FIR		
DIAG.	DIAGONAL	P.W.	PLYWOOD
DIM.	DIMENSION		
D.O.	DITTO	REINF.	REINFORCEMENT
DRWG.	DRAWING	REQD.	REQUIRED
DIA., ⌀	DIAMETER	RWD.	REDWOOD
(E)	EXISTING	SHTHG.	SHEATHING
EA.	EACH	SIM.	SIMILAR
E.F.	EACH FACE	SQ.	SQUARE
E.J.	EXPANSION JOINT	STD.	STANDARD
ELEV.	ELEVATION	STGD.	STAGGERED
E.N.	END NAIL	STIFF.	STIFFENER
EQ.	EQUAL	S.W.	SHEARWALL
EQUIP.	EQUIPMENT	SYM.	SYMMETRICAL
E.S.	EACH SIDE		
EXTR.	EXTERIOR	T&B	TOP & BOTTOM
E.W.	EACH WAY	T&G	TONGUE & GROOVE
		THRU	THROUGH
F.F.	FINISH FLOOR	T.N.	TOE NAIL
F.G.	FINISH GRADE	T.O.	TOP OF
FIN.	FINISH	T.O.C.	TOP OF CONCRETE
FLR.	FLOOR	T.O.S.	TOP OF STEEL
F.N.	FACE NAIL	TS	TUBE STEEL
FND.	FOUNDATION	TYP.	TYPICAL
F.O.C.	FACE OF CONCRETE		
F.O.M.	FACE OF MASONRY	U.O.N.	UNLESS OTHERWISE NOTED
F.O.S.	FACE OF STUD	VERT.	VERTICAL
F.S.	FAR SIDE		
FTG.	FOOTING	W/	WITH
GA.	GAGE	W.P.	WORK POINT
GALV.	GALVANIZED	WWF	WELDED WIRE FABRIC
G.L.	GRID LINE	WND.	WINDOW
GLB	GLU–LAM BEAM		
GYP. BD.	GYPSUM BOARD		

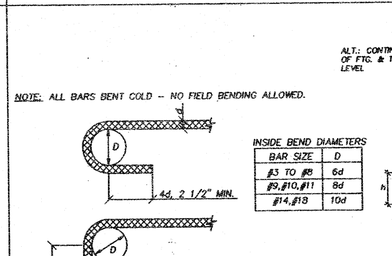
PAD FOUNDATIONS: (SLIDING)

1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER IR 23–6.
3. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE FOOTING STEP DETAILS ON THESE DRAWINGS.
4. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
5. PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
6. VERIFY THAT NO PIPES, UTILITIES, OR OTHER SUCH ITEMS OCCUR BELOW FOOTINGS.
7. FOUNDATIONS ARE DESIGNED AS "SLIDING FOUNDATION", IN ACCORDANCE WITH IR 23–6, TEMPORARY FOUNDATIONS.
   a. STAIRS AND RAMPS SHALL BE PROPERLY ANCHORED TO BUILDING TO PREVENT SEPARATION.
   b. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 12" MINIMUM.
   c. ALL UTILITY CONNECTIONS MUST ALLOW FOR 12" MINIMUM HORIZONTAL MOVEMENT IN ANY DIRECTION WITHOUT DAMAGE.
8. FINISH GRADES SHALL BE WITHIN MAX. 14" BELOW BOTTOM OF FLOOR JOISTS, WITHOUT EXCEPTION.

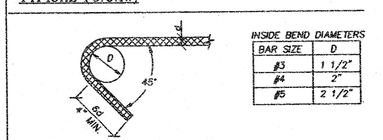
PAD FOUNDATIONS: (RESTRAINED)

1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW.
2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1000 PSF, AS PER IR 23–6.
3. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE FOOTING SHIM DETAILS ON THESE DRAWINGS.
4. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
5. PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
6. VERIFY THAT NO PIPES, UTILITIES, OR OTHER SUCH ITEMS OCCUR BELOW FOOTINGS.
7. FOUNDATIONS ARE DESIGNED AS "RESTRAINED FOUNDATION", IN ACCORDANCE WITH IR 23–6, TEMPORARY FOUNDATIONS.
   a. ANCHOR FOOTINGS AT BUILDING PERIMETER WITH 1" ⌀ GALVANIZED STANDARD STEEL PIPES DRIVEN FLUSH WITH TOP OF WOOD FOUNDATION PADS AND PENETRATING SOIL 12" MINIMUM AT A MAXIMUM SPACING OF 10'–0" O.C. AT SIDEWALLS AND AT EACH CORNER EACH MODULE AT ENDWALLS.
   b. STAIRS AND RAMPS SHALL BE PROPERLY ANCHORED TO BUILDING TO PREVENT SEPARATION.
   c. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 2" MINIMUM.
8. FINISH GRADES SHALL BE WITHIN MAX. 18" BELOW BOTTOM OF FLOOR JOISTS, WITHOUT EXCEPTION.

TYPICAL DETAILS:

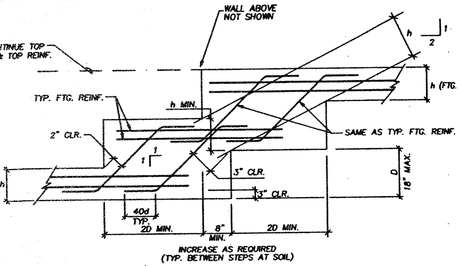


TYPICAL (U.O.N.)

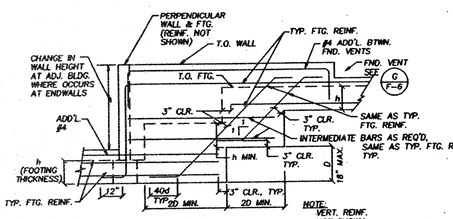


STIRRUPS & TIES

A S–1 STD HOOKS AND BENDS IN REINF. STEEL (05/23/93)

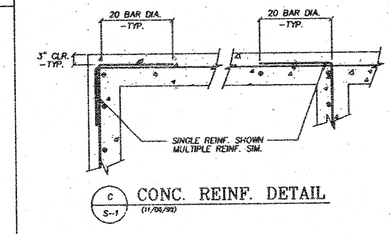


@ MOD. ℄

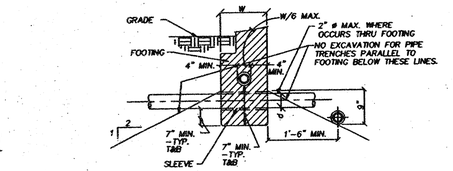


AT ENDWALL / SIDEWALL

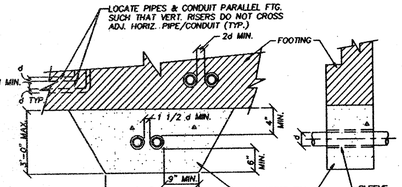
B S–1 STEP FOOTING DETAIL (11/05/93)



C S–1 CONC. REINF. DETAIL (11/05/93)



NOTE: ALL PIPES TO CLR. SLEEVES BY 1" ALL AROUND –CAULK AS REQ'D



NOTE: ALL PIPES TO CLEAR SLEEVES BY 1" ALL AROUND

GENERAL NOTES:

1R-27-8
WELDING REQUIREMENTS:

1. THE WELDING REQUIREMENTS IN AWS D1.1 (1994 EDITION) AS MODIFIED IN CBC, CHAPTER 22A, DIVISION VIII OR DIVISION IX, CURRENT EDITION SHALL BE STRICTLY ENFORCED. WELD ACCESS HOLES MAY BE LARGER THAN THE MINIMUM REQUIRED IN AWS D1.1, SECTION 3.2.5.

2. THE SPECIAL INSPECTION REQUIREMENTS IN AWS D1.1, SECTIONS 6.1 THROUGH 6.6 SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH A FABRICATION/ERECTION INSPECTOR AND THE OWNER TO EMPLOY A VERIFICATION INSPECTOR. VISUAL INSPECTION MEANS THAT THE INSPECTOR VISUALLY INSPECTS THE WELDING FOR ADHERENCE TO THE APPROVED WELD PROCEDURE SPECIFICATION STARTING WITH FIT-UP AND PROCEEDING THROUGH THE WELDING PROCESS (SEE AWS D1.1, SECTION 6.2 THROUGH 6.5 AND 8.15). RELIANCE ONLY UPON USE OF NON-DESTRUCTIVE EXAMINATION (NDE) AT THE END OF THE WELDING SHOULD BE AVOIDED. USE VISUAL INSPECTION IN CONJUNCTION WITH NDE FOR A SOUND WELD.

3. A WELDING PROCEDURE SPECIFICATION (WPS), WITH THE INFORMATION REQUIRED BY AWS D1.1, SECTION 5, SHALL BE SUBMITTED TO THE OWNER'S ENGINEER AND THE ENFORCEMENT AGENCY FOR ACCEPTANCE PRIOR TO THE START OF WORK. THE WPS SHALL BE USED IN PROVIDING THE REQUIRED SPECIAL INSPECTION. THE WPS SHALL CONTAIN THE ACTUAL VALUES TO BE USED FOR THE WELDING PARAMETERS AND VARIABLES SO THAT INSTRUCTION IS PROVIDED TO WELDERS; AS A MINIMUM THE WPS SHALL LIST THE POSITION, ELECTRODE TYPE AND SIZE, TRAVEL SPEED, ELECTRODE STICK-OUT, VOLTAGE AND AMPERAGE WITH ACCEPTABLE LIMITS, BEAD SIZE, WELD SEQUENCE, STRESS RELIEVING, AND OTHER PERTINENT DATA. A COPY OF THE FILLER METAL MANUFACTURER'S TECHNICAL DATA SHEET SHALL BE SUBMITTED WITH EACH WPS. WELDING CONSUMABLES MUST BE USED WITHIN THE POSITIONS, THICKNESSES, TEMPERATURES, AND OTHER PARAMETERS PROVIDED BY THE MANUFACTURER. FOR WPS's WHICH REQUIRE QUALIFICATION, PROCEDURE QUALIFICATION RECORDS (PQRs) SHALL ALSO BE SUBMITTED FOR ACCEPTANCE. PRODUCTION WELDING HEAT INPUT SHALL BE LIMITED BASED ON THE PQR.

4. WPS's FOR GROOVE WELDS JOINING THE BEAM FLANGES TO THE COLUMN SHALL MEET OR EXCEED THE WORKMANSHIP AND TECHNIQUE REQUIREMENTS OF AWS D1.1. WPS's FOR FCAW SHALL BE QUALIFIED BY TESTING IN ACCORDANCE WITH AWS D1.1, SECTION 5. THE TESTS SHALL INCLUDE CHARPY V-NOTCH (CVN) TESTS OF THE WELD METAL (SEE ITEM 8 BELOW).

5. SHIELDED METAL ARC WELDING (SMAW) AND FLUX CORE ARC WELDING (FCAW), BOTH SELF SHIELDED (FCAW-SS) AND GAS SHIELDED (FCAW-G), ARE SUITABLE PROCESSES.

6. MAXIMUM DIAMETER OF ELECTRODES ALLOWED FOR SMAW IS PER AWS D1.1, SECTION 4.6. MAXIMUM DIAMETER OF ELECTRODES ALLOWED FOR FCAW IS PER AWS D1.1, SECTION 4.14 EXCEPT THAT THE MAXIMUM DIAMETER FOR THE FLAT AND HORIZONTAL POSITION SHALL BE LIMITED TO 7/64 INCH.

7. MAXIMUM WIDTH AND THICKNESS OF WELD LAYERS SHALL BE PER AWS D1.1, SECTION 4.6 FOR SMAW AND SECTION 4.14 FOR FCAW EXCEPT THAT: A) THE THICKNESS OF A ROOT LAYER SHALL NOT EXCEED 1/4" INCH; B) THE MAXIMUM WIDTH OF A LAYER IN ANY POSITION SHALL NOT EXCEED 5/8" INCH; AND C) THE WIDTH OF A WEAVE BEAD SHALL NOT EXCEED 3 TIMES THE ELECTRODE (WIRE) DIAMETER, D, WHEN D > 3/32 INCH, OR 5 TIMES THE ELECTRODE DIAMETER WHEN D ≤ 5/64 INCH.

8. THE FILLER METAL USED SHALL HAVE A NOTCH TOUGHNESS NOT LESS THAN OF 20 FT-LBS AS MEASURED BY A STANDARD CHARPY V-NOTCH (CVN) TEST, ASTM E-23. THE CVN TEST TEMPERATURE SHALL BE AT LEAST 0 DEGREES F. THE MINIMUM REQUIRED ENERGY ABSORPTION IS 20 FT-LBS. AVERAGE. ONE SPECIMEN MAY BE LESS THAN THE MINIMUM AVERAGE, BUT NOT LESS THAN 15 FT-LBS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPLICABLE FILLER METAL SPECIFICATION REFERENCED IN AWS D1.1 AND MAY BE PERFORMED BY THE MANUFACTURER.

10. ALL WELDS SHALL BE STARTED AND ENDED WITH A FULL CROSS SECTION WELD FOR A MINIMUM LENGTH OF ONE INCH ON WELD TABS ("RUN OFF" TABS) EXCEPT AT ACCESS HOLES IN BEAM/GIRDER WEBS (SEE AWS D1.1, SECTION 3.12). ALL WELD TABS SHALL BE REMOVED, THE AFFECTED AREA GROUND SMOOTH AND MAGNETIC PARTICLE TESTED FOR DEFECTS. MINIMUM WELD TAB LENGTH SHALL BE THE GREATER OF ONE INCH OR 1.5 TIMES THE BEAM FLANGE THICKNESS, BUT NEED NOT EXCEED FOUR INCHES.

11. IF BACKING BARS ARE USED UNDER THE BOTTOM BEAM FLANGE TO COLUMN FLANGE CJP GROOVE WELD, THE BACKING BAR SHALL BE REMOVED, THE REMOVAL AREA GROUND TO SOUND, BRIGHT METAL AND THE AREA MAGNETIC PARTICLE TESTED FOR DEFECTS. A REINFORCING FILLET WELD, AT LEAST 1/4" OF THE BOTTOM FLANGE THICKNESS BUT NOT GREATER THAN 3/8" INCH, SHALL BE PLACED IN THIS LOCATION (SIMILAR TO AWS D1.1, FIGURE 2.4, NOTE J).

12. IF A BACKING BAR IS USED UNDER THE TOP BEAM FLANGE TO COLUMN CJP GROOVE WELD, AND IS NOT REMOVED, THE BACKING BAR SHALL BE ATTACHED TO THE COLUMN AND BEAM FLANGES BY EITHER A FILLET WELD ALONG THE COMPLETE BAR LENGTH ON THE UNDER SIDE OF THE BAR, OR BY A PARTIAL PENETRATION WELD FROM THE UNDERSIDE OF THE BAR, FOR THE FULL LENGTH OF THE BAR. OTHER METHODS OF WELDING THE BAR TO THE COLUMN AND BEAM MAY BE USED SUBJECT TO THE ENGINEERS APPROVAL.

13. WELD "DAMS" ARE NOT ALLOWED. WELD "DAMS" ARE WELD TABS NOT ALIGNED IN SUCH A MANNER TO PROVIDE AN EXTENSION OF THE JOINT PREPARATION PER AWS D1.1, SECTION 3.12. WELD "DAMS" ARE TYPICALLY PERPENDICULAR TO PROPER WELD TABS.

14. ALL TACK WELDS SHALL BE OF THE SAME QUALITY AS THE FINAL WELDS. THIS INCLUDES REQUIREMENTS FOR PREHEAT. ALL TACK WELDS NOT INCORPORATED INTO THE FINAL WELDS SHALL BE REMOVED.

18. MILL SCALE SHALL BE REMOVED FROM THE COLUMN IN THE AREA WHERE THE BEAM FLANGES WILL BE WELDED TO THE COLUMN.

19. CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND THE ENFORCING AGENCY, FOR ACCEPTANCE, A QUALITY CONTROL OR INSPECTION PLAN THAT ADDRESSES ALL INSPECTION ISSUES, INCLUDING IN PROCESS AND FINAL INSPECTION THAT ARE ADDRESSED IN AWS D1.1.

20. THE QUALIFICATION OF THE CONTRACTOR'S INSPECTORS AND NDE PERSONNEL SHALL BE SUBMITTED TO THE ENGINEER AND ENFORCEMENT AGENCY FOR ACCEPTANCE.

21. IN CASES OF DIFFERENCES OF OPINION BETWEEN THE OWNER'S INSPECTOR AND THE CONTRACTOR'S INSPECTOR REGARDING CONFORMANCE OF A WELD WITH THE SPECIFICATIONS, THE ISSUE SHALL BE BROUGHT TO THE OWNER'S ENGINEER AND THE ENFORCEMENT AGENCY AS PART OF THE RESOLUTION PROCESS.

22. ALL GROOVE WELDS IN THE GIRDER-TO-COLUMN CONNECTION SHALL BE ULTRASONICALLY (UT) EXAMINED FOR THE FULL LENGTH. BACKING BAR REMOVAL AREAS AND FILLET WELDS ON CONTINUITY PLATES SHALL BE EXAMINED FOR THE FULL LENGTH BY THE MAGNETIC PARTICLE TESTING (MPT) METHOD.

23. SHEAR CONNECTION PLATES SHALL BE SIZED SO THAT THEY DO NOT INTERFERE WITH WELDERS ACCESS TO MAKE FLANGE WELDS OR TO PERFORM WORK WHICH IS REQUIRED TO INSTALL OR REMOVE BACKING OR TO PLACE REINFORCING FILLET WELDS.

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AGENCY TRACKING NO. 83321-154
FILE NO. 15-6

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
03-117035 SS
AC. FLS
DATE 6/20/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
4 100118 SS
AC. FLS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
5 100073 SS
AC. FLS
DATE JAN 15 1998

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PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
STRUCTURAL GENERAL NOTES

JOB #

DATE 12-8-97

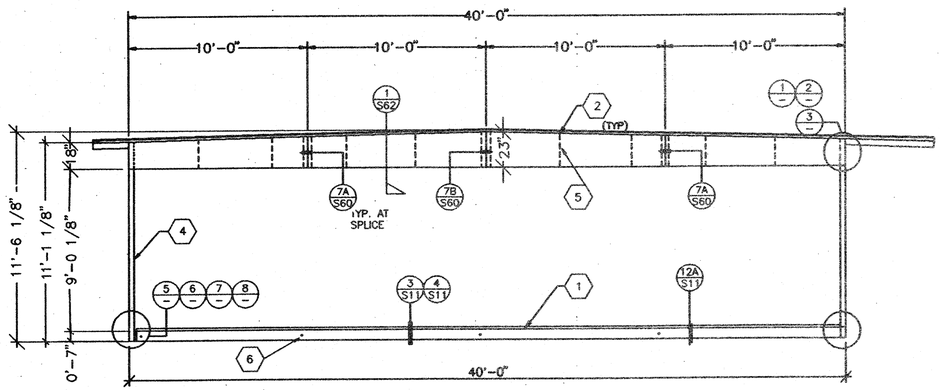
DRAWN BY R.D.L.

SCALE NONE

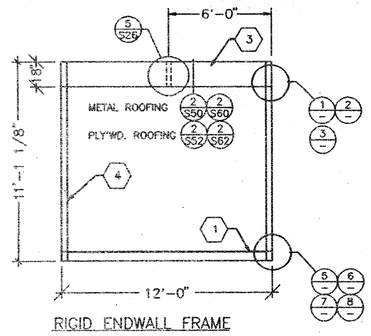
APPROVED

REVISIONS

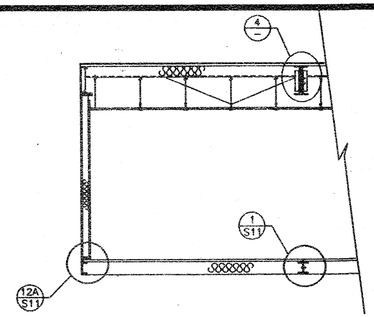
SHEET NO.
S-1A



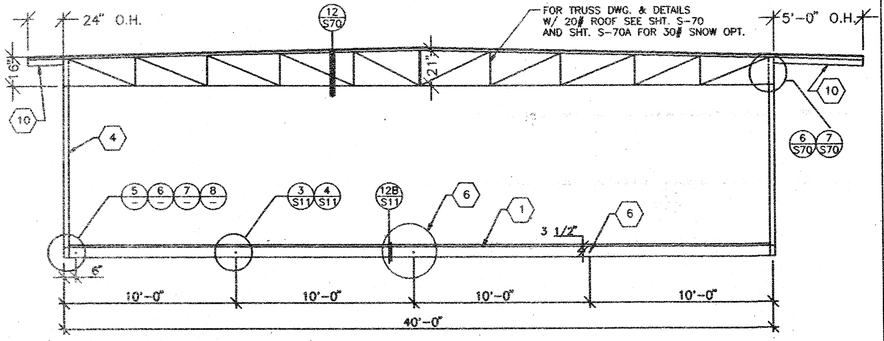
SIDEWALL STRUCTURAL ELEVATION



RIGID ENDWALL FRAME



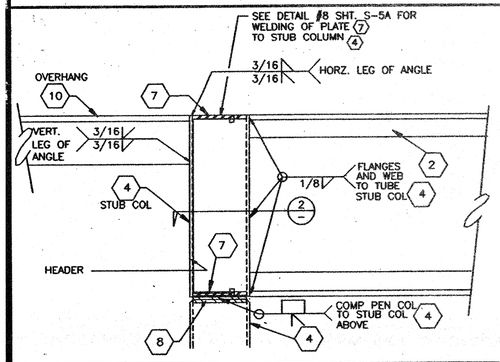
MULTI WIDE CROSS SECTION



LONGITUDINAL CROSS SECTION

STRUCTURAL CROSS SECTIONS (COLD ROLLED)

SCALE 1/4" - 1'-0"



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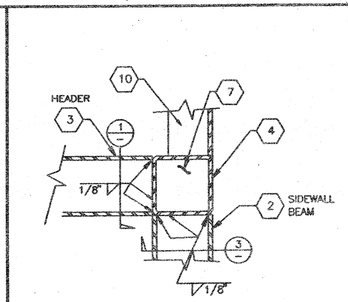

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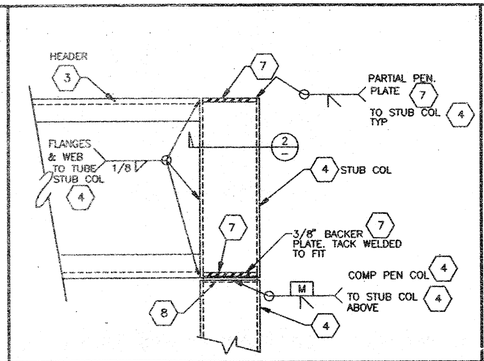

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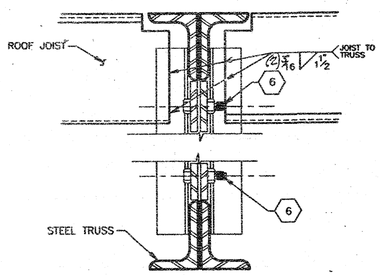
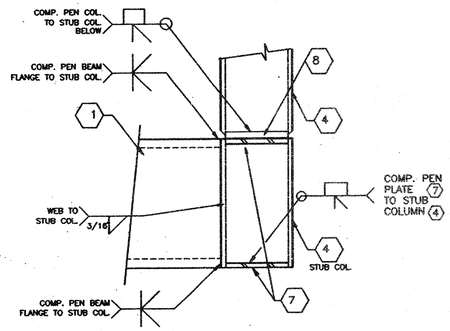
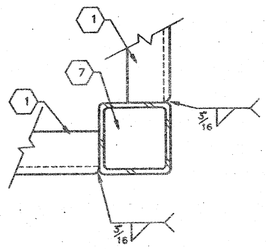


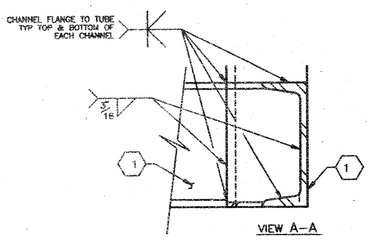
4 MOD. LINE @ ROOF



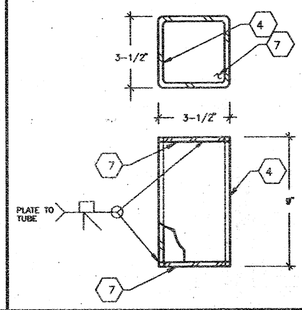
5 COLUMN CONN. @ FLOOR



6 CORNER CONNECTION @ FLOOR



7 STUB TUBE TO FLOOR FRAME



8 TUBE PLATE WELDMENT

KEYNOTES

NOTES

1. [7"x 9.8 lb PERIMETER FLOOR FRAME
2. [18 X 23 X 18 X 3 1/2 X 10 GA. BEAM
3. [18 X 3 1/2 12 GA. HEADER
4. 3 1/2"x 3 1/2"x 3/16" TUBE STEEL COLUMN AT 20# ROOF
   3 1/2"x 3 1/2"x 1/4" TUBE STEEL COLUMN AT 30# ROOF
5. 3/16" x FULL HEIGHT STIFFENER IN CHANNEL AT PURLIN LOCATION, SEE SHEET S-5
6. 5/8" MACHINE BOLT ● MODULE CONNECTION LOCATIONS AT 8 FT. O.C. AT ROOF AND 10 FT. O.C. AT FLOOR (TYPE I)
7. 1/4" PLATE FILLED INSIDE TUBE COLUMN AND WELD IN PLACE
8. 3/8" CAP PLATE FITTED INSIDE TUBE COLUMN AND WELD IN PLACE
9.
10. 4 x 3 x 3/8" AT PERIMETER ROOF OVERHANG FOR OPTIONAL 30 PSF ROOF

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PC-100073

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER ERNEST T. SIMPSON No 36024 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC. FLS SS
DATE 12/28/2016

STATE AGENCY APPROVAL

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4 100118
AC. FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

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PC-100073
AC. FLS SS
DATE JAN 15 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
DOUBLE SLOPE COLD ROLLED/
TRUSS RIGID FRAME

JOB #

DATE 1-9-98

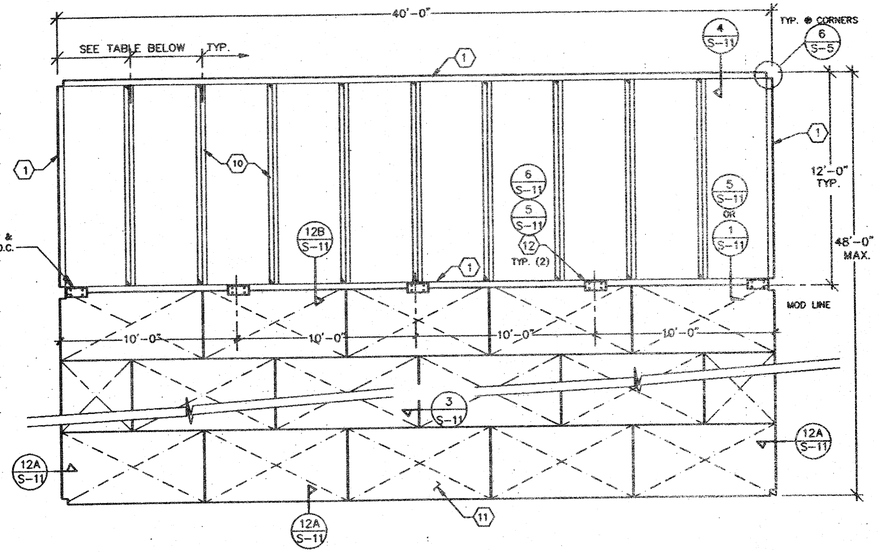
DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
S-5A



FLOOR FRAMING PLAN

TABLE 1

FLOOR LOAD	JOIST SPACING
50 PSF	48" O.C.
50 + 20 PSF	32" O.C.
100 PSF	24" O.C.
50 PSF + 20 PSF	16" O.C.
125 PSF	16" O.C.

OPTIONAL STIFFENED FLOOR

NOTES

1. [7"x 9.8 lb STEEL CHANNEL PERIMETER FRAME
10. Z 7"x 1.5 W X1" LIP X 11 GAGE STEEL FLOOR JOIST
11. FLOOR SHEATHING- 1-1/8" APA RATED STURD-I-FLOOR OR EQUAL, P.S. 1-83 T & G EDGES, 48" SPAN RATING; ATTACH TO STEEL FRAMING WITH .170/.192 PIN AT 10" OC FIELD AND BOUNDARY 6" OC.
OR #10-24 X 1 3/4 SELF TAP SCREW @ 6" O.C. BOUNDARY & EDGES AND 10" O.C. FIELD. NOTE: PROVIDE FIELD NAILING AT 6" O.C. WHERE FLOOR JOIST ARE AT 48" O.C.
12. 6" x 14" x 12 Ga. PLATE WITH (6) #10-34 X 1 3/4 X 2-1/2" FLAT HEAD SELF TAP SCREWS INTO STEEL CHANNEL FLOOR FRAME (TYPE II)

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER
MARK T. SIMON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 83321-154
FILE NO. 15-6

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03-117035 SS
AC F.I.S
DATE 6/28/2012

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OFFICE OF REGULATION SERVICES
4 100118
AC F.I.S SS
DATE JAN 15 1998

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AC F.I.S SS
DATE JAN 15 1998

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PC-

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
FLOOR CONSTRUCTION

JOB #

DATE 12-8-97

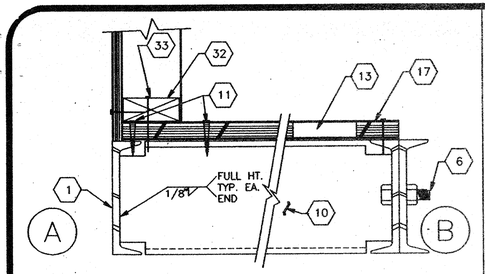
DRAWN BY R.D.L.

SCALE NONE

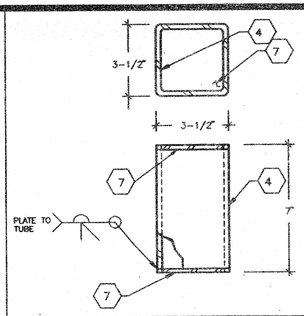
APPROVED

REVISIONS

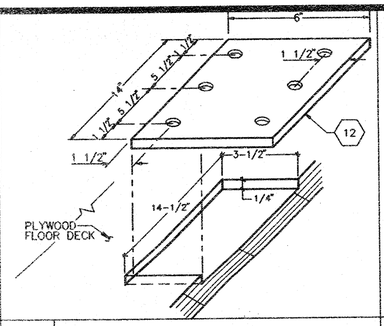
SHEET NO.
S-10



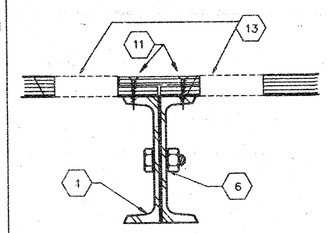
12 PERIMETER FLOOR



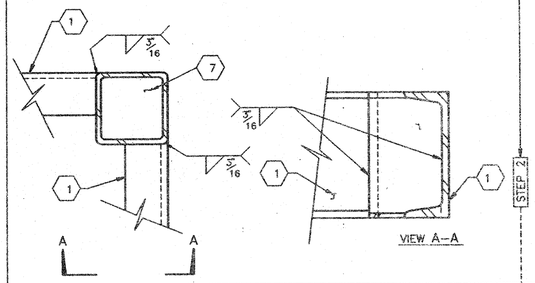
8 TUBE PLATE WELDMENT



5 ALT. MOD CONN. PLATE TYPE II

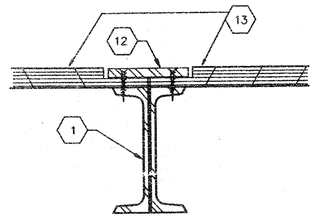


1 TYP. MOD CONN. @ FLR. TYPE I

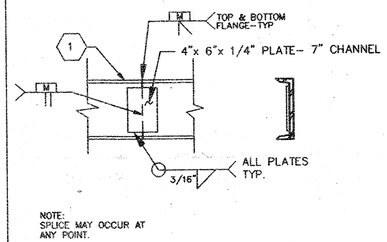


13

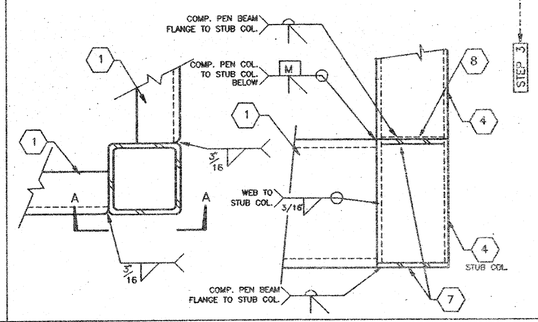
9 POCKET TUBE TO FLOOR FRAME



6 ALT. MOD CONN. @ FLR. TYPE II

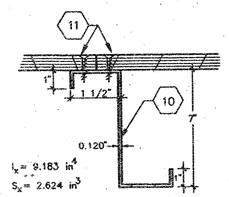


2 CHANNEL SPLICE



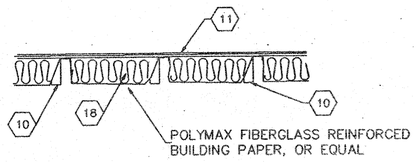
10 COLUMN CONN. @ FLOOR

7

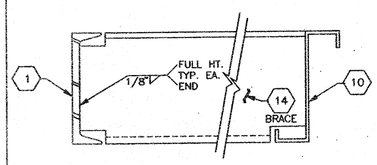


FLOOR JOIST

3 TYPICAL JOISTS

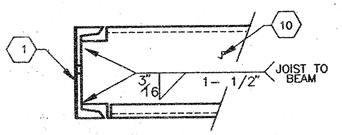


15 INSULATION @ FLOOR



BRACE AT FLOOR

11 BRAKE AT FLOOR



FLOOR JOIST TO CHANNEL

4 FLOOR JOIST DETS.

KEYNOTES

NOTES

1. [7"x 9.8 lb PERIMETER FLOOR FRAME
6. 5/8" MACHINE BOLT ● MODULE CONNECTION LOCATIONS AT 8 FT. O.C. AT ROOF AND 10 FT. O.C. AT FLOOR
10. Z 7" X 11 GA. FLOOR JOIST
11. FLOOR SHEATHING– 1-1/8" APA RATED STURD-I-FLOOR OR EQUAL, P.S. 1-83 T & G EDGES, 48" SPAN RATING; ATTACH TO STEEL FRAMING WITH .170/.192 PIN OR #10-24 X 1 3/4 SELF TAP SCREW ● 6" O.C. BOUNDARY & EDGES AND 10" O.C. FIELD
12. 6" x 14" x 12 Ga. PLATE WITH (6) #10-34 x 1 3/4" FLAT HEAD SELF TAP SCREWS INTO STEEL CHANNEL FLOOR FRAME (TYPE II)
13. 5" DIA. HOLE AT BOLT LOCATION. (CONN. TYPE 1)
14. 7"x 11 Ga. STEEL BRACE WELDED TO PERIMETER FRAME AND FLOOR JOIST.
15. N/A
16. N/A
17. AT MODULE JOINT TAKE PLYWOOD TO EDGE OF CHANNEL. AT PERIMETER, HOLD PLYWOOD BACK AS INDICATED.
18. R-11 INSULATION ON 'SEAL TITE' TYPE HW POLYMAX UNDERBELLY OR EQUAL WITH BIDIRECTIONAL POLYESTER FIBERS.
32. 2X4 BOTTOM PLATE
33. .131 X 3 1/4ø NAIL (8d NAIL) AT 8" O.C.

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PC-100073

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP
REGISTERED PROFESSIONAL ENGINEER JAMES L. SIMPSON No 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 03-117035 FLS SS
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 4 100118 FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 100073 FLS SS
DATE JAN 15 1998

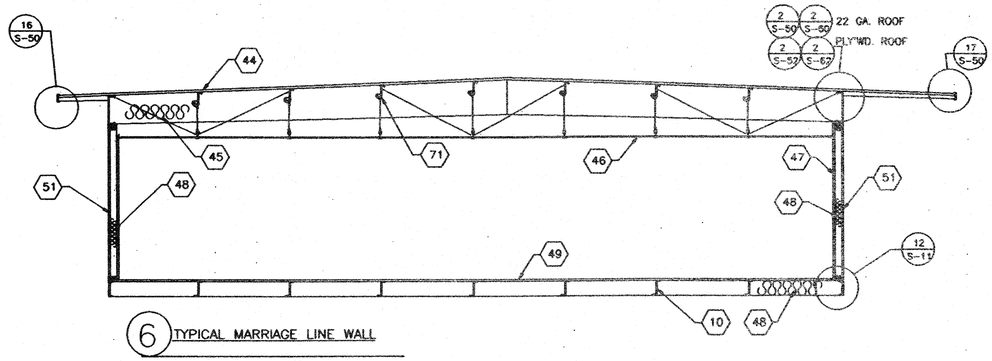
PROJECT
24'X40', 36'X40', & 48'X40' MODULAR CLASSROOM BUILDING

TITLE
FLOOR CONSTRUCTION DETAILS

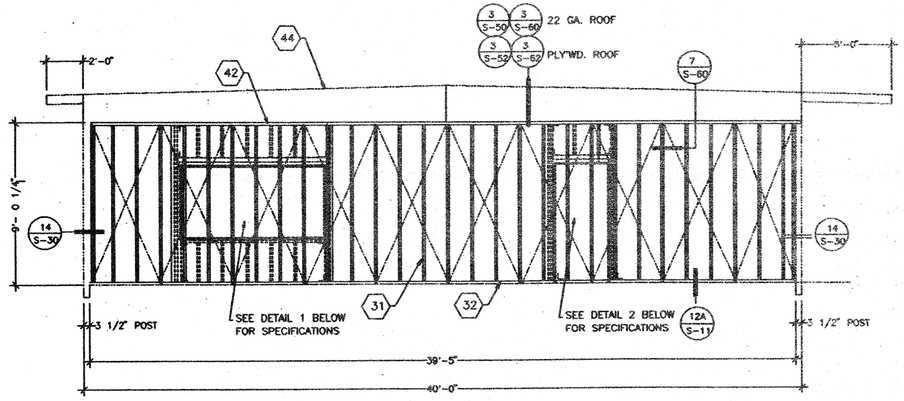
JOB #

DATE 1-9-98
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

SHEET NO.
S-11

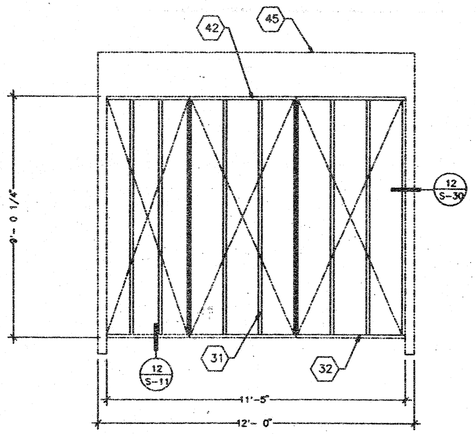


6 TYPICAL MARRIAGE LINE WALL



4 TYPICAL SIDEWALL

NOTE:
DOORS AND WINDOWS MAY BE INSTALLED IN SIDEWALL AT ANY POINT IN ANY COMBINATION.



5 TYPICAL BLANK WALL

KEYNOTES

10 STEEL FLOOR JOIST– SEE SHEET S-11

31 STUDS– 2x4 H.F. STUD GRADE @ 16" O.C.

32 TOP AND BOTTOM PLATE– 2x4 H.F. STD & BETTER.

34 FRAME FOR 4'-0"x 4'-0", WINDOW:
USE (2) FULL HEIGHT HEM FIR 2x4 STUDS WITH (1) 2x4 TRIMMER BOTH SIDES, (2) 2x4 FLAT FOR WINDOW SILL. AND (2) 2x4 FLAT FOR HEADER.

35 FRAME FOR 8'-0"x 4'-0", WINDOW:
USE (3) FULL HEIGHT HEM FIR 2x4 STUDS WITH (1) 2x4 TRIMMER BOTH SIDES, (2) 2x4 FLAT FOR WINDOW SILL. AND (3) 2x4 FLAT FOR HEADER.

36 FRAME FOR 3'-0"x 6'-8" OR 7'-0" DOOR. USE (2) FULL HEIGHT 2x4 JAMB STUDS WITH (1) 2x4 TRIMMER BOTH SIDES, & (2) 2x4 FOR HEADER.

37 NAIL THRU VERTICAL STUD INTO HORIZONTAL HEAD OR SILL WITH MIN. (4) .131 X 3 1/4" NAILS PER CONNECTION. TYPICAL AT CORNERS OF ALL OPENINGS.

38 4x4 H.F. #2 POST

39 SEE SHEET G-1 FOR A/C SIZE AND TONAGE.

40 TYPICAL 'SIMPSON' A35 CLIPS (4) PLACES TO TOP AND BOTTOM PLATES.

41 TYPICAL 'SIMPSON' A35 CLIPS (4) PLACES TO WINDOW SILL AND HEADER OR (2) PLACES TO DOOR HEADER.

42 2x4 PLATE– H.F. STD. GRD. OR BETTER.

43 FIRE BLOCKING. SEE SECTION 708 OF 1994 C.B.C.

44 ROOF SHEATHING. SEE ROOF SECTION

45 R-19 FIBERGLASS INSULATION.

46 SUSPENDED CEILING

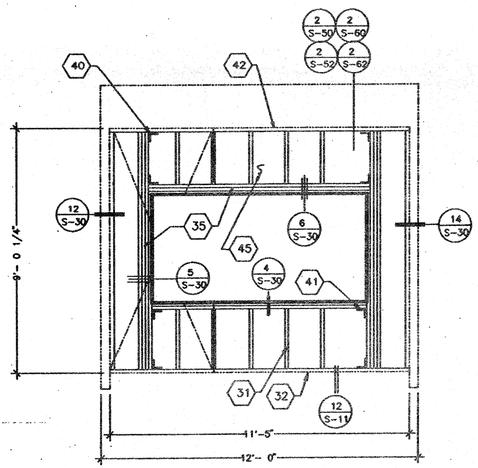
47 TYPICAL INTERIOR FINISH– SEE SHEET G-1

48 R-11 FIBERGLASS INSULATION.

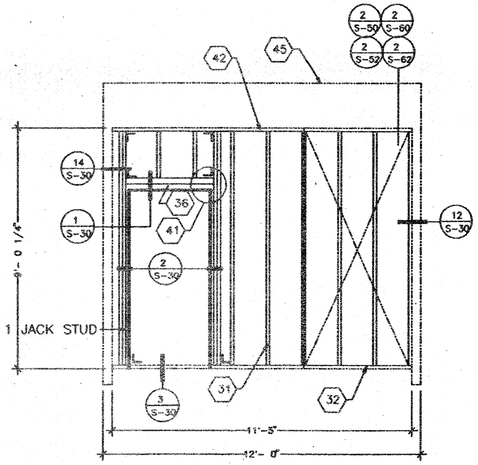
49 PLYWOOD FLOOR SHEATHING– SEE SHEET S-11

51 PLYWOOD SIDING/SHEATHING– SEE SHEET G-1 FOR MATERIAL. NAIL SIDING WITH CORROSION RESISTANT 8d NAILS @ 6" BOUNDARY & EDGES, 12" FIELD. OR KNURLED PIN #43-3120B BY DUO-FAST, OR KNURLED AKN BY ET&F OR EQUAL FOR METAL STUD CONSTRUCTION.

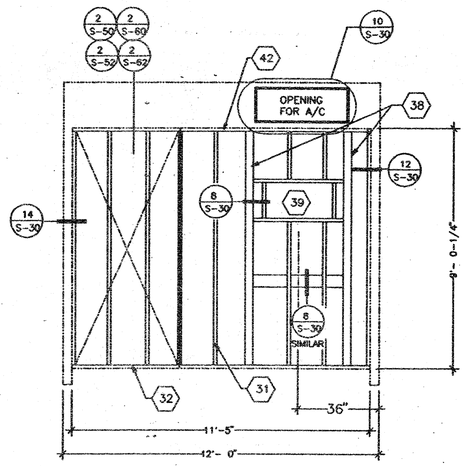
71 STEEL ROOF JOIST– SEE SHEET S-40



1 TYPICAL ENDWALL WITH WINDOW



2 TYPICAL ENDWALL WITH DOOR



3 TYPICAL ENDWALL WITH A/C

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PC–

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 38021 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-111935
AC. FLS SS
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118
AC. FLS 88
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
1 100073
AC. FLS 88
DATE JAN 15 1998

PROJECT
'24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
TYPICAL EXTERIOR WALL CONSTRUCTION FOR SINGLE OR DOUBLE ROOF PITCH

JOB #

DATE 12-8-97

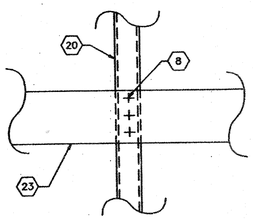
DRAWN BY R.D.L.

SCALE NONE

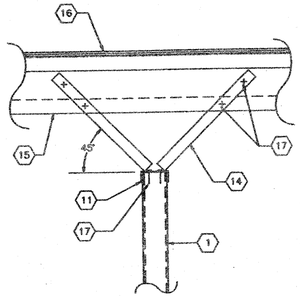
APPROVED

REVISIONS

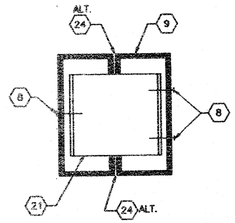
SHEET NO.
S-20



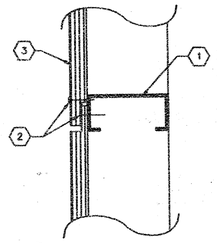
TYP. STRAP TO STUD | 13



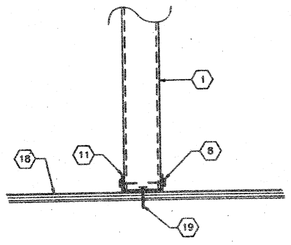
PARTITION CONNECTION PERPENDICULAR | 9



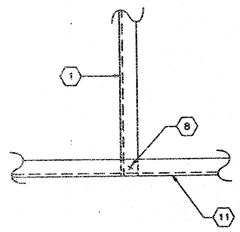
TYP. JAMB STUD CONNECTION | 5



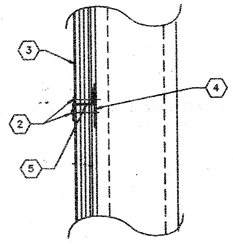
VERTICAL PLYWOOD EDGES | 1



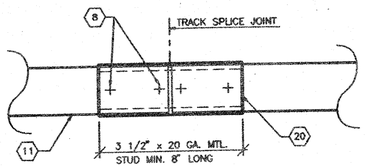
PARTITION CONNECTION TO SILL | 10



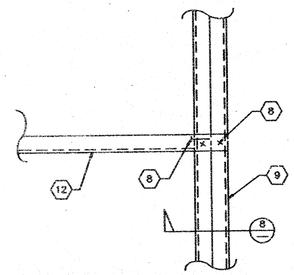
TYP. STUD TO TRACK CONNECTION | 6



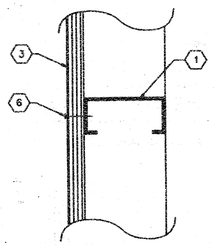
HORIZONAL PLYWOOD EDGES | 2



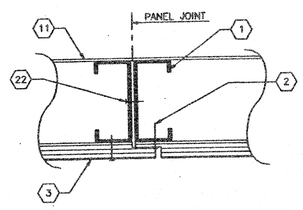
PARTITION TOP TRACK SPLICE | 11



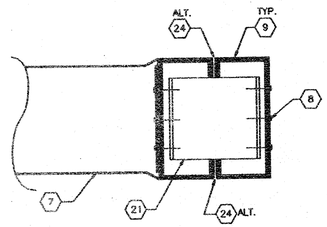
TYP. HEADER TO JAMB & SILL TO JAMB | 7



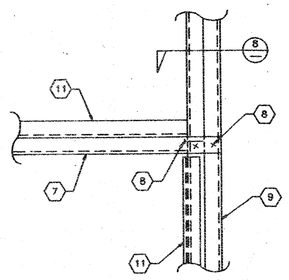
SECTION AT STUD | 3



WALL PANEL JOINT | 12



SECTION AT JAMB / HDR. CONNECTION | 8



HEADER DETAIL | 4

OPENING SCHEDULE

OPENING	HEADER	SILL	JAMB
3068/4068	(1) STUD & (1) 3 1/2 x 20 GA. T	(1) STUD & (1) 3 1/2 x 20 GA. T	(1) 3 1/2 x 20 GA. S (1) TRACK
8040	(1) STUD & (2) 3 1/2 x 20 GA. T	(1) STUD & (2) 3 1/2 x 20 GA. T	(2) 3 1/2 x 20 GA. S (1) TRACK

LIGHT GAUGE STEEL PROPERTIES

MEMBER	TYPE	MAYOR AXIS A	MAYOR AXIS S_x	MAYOR AXIS I_x
3 1/2 x 20 GA. S	STUD	0.251 IN^2	0.278 IN^3	0.487 IN^4
3 1/2 x 20 GA. T	TRACK	0.159 IN^2	0.123 IN^3	0.215 IN^4

NOTES:

A. EXTERIOR PLYWOOD ATTACHED TO STUDS W/ CORROSION RESISTANT SCREWS.

B. PROVIDE MOISTURE BARRIER BEHIND SIDING.

KNURLED PIN #43-3210 (ICBO ER 5299) (.105ø x 1 9/16" LENGTH)
STUD 20 GA.
LATERAL LOAD MIN. = 100 LBS. RESISTANCE
WITHDRAN LOAD MIN. = 45 LBS. RESISTANCE

KNURLED AKN (ICBO ER 4144) (.100"ø)
STUD 20 GA.
LATERAL LOAD MIN. = 100 LBS. RESISTANCE
WITHDRAN LOAD MIN. = 35 LBS. RESISTANCE

⬡ KEYNOTES

1. 3 1/2" x 20 GA. METAL STUD AT 16" O.C. MAX.
2. #8 STSMS EN AT 6" O.C. MAX. OR KNURLED PIN #43-3120, OR KNURLED AKN OR EQUAL AT 6" O.C.
3. EXTERIOR FINISH (SEE FINISH SCHEDULE).
4. 20 GA. x 2 1/2" CONTINUOUS STRAP.
5. 26 GA. S.N. "Z" FLASHING.
6. #8 STSMS FN AT 12" O.C. MAX. OR KNURLED PIN #43-3120, OR KNURLED AKN OR EQUAL AT 12" O.C.
7. HEADER (SEE OPENING SCHEDULE) COPE & BEND WEB FOR ATTACHMENT TO JAMB STUDS.
8. #6 STSMS WAFER HD. OR KNURLED PIN #43-3120, OR KNURLED AKN OR EQUAL.
9. JAMB STUD (SEE OPENING SCHEDULE FOR TYPE AND QUANITY)
10.
11. 3 1/2" x 20 GA. TRACK.
12. 3 1/2" x 20 GA. TRACK AS HEADER OR SILL (SEE OPENING SCHEDULE) COPE AND BEND WEB FOR ATTACHMENT TO JAMB STUDS.
13.
14. ✱ 1 1/2" x 1 1/2" x 12 GA. AT 8' O.C. STAGGERED.
15. ROOF PURLIN (SEE STRUCTURAL ROOF FRAME).
16. PLYWOOD ROOF DECK.
17. #10 STSMS OR KNURLED PIN #43-3120 OR KNURLED AKN OR EQUAL.
18. PLYWOOD SUB FLOOR.
19. 16d AT 8" O.C. MAX. OR KNURLED PIN #43-3120 OR KNURLED AKN OR EQUAL.
20. 3 1/2" x 20 GA. METAL STUD.
21. 20 GA. JAMB CLIP "L" AT 24" O.C. MAX.
22. #6 STSMS AT 24" O.C. MAX. OR KNURLED PIN #43-3120 OR KNURLED AKN OR EQUAL.
23. 20 GA. x 4" WIDE STRAP.
24. ALTERNATE WELDING 1" AT 18" O.C. IS AN ACCEPTABLE ALTERNATE TO BOXING AND SCREWING.

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 83321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-117035
AC FLS SS BY
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 10011 8
AC FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
2 10007 3
AC FLS SS
DATE JAN 15 1998

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
STEEL FRAMING DETAILS

JOB #

DATE 12-8-97

DRAWN BY R.D.L.

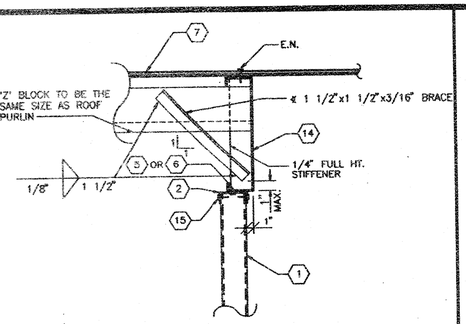
SCALE NONE

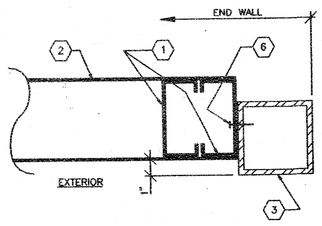
APPROVED

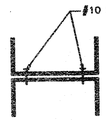
REVISIONS

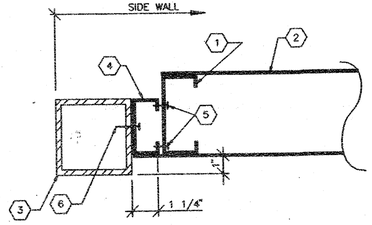
SHEET NO.
S-25

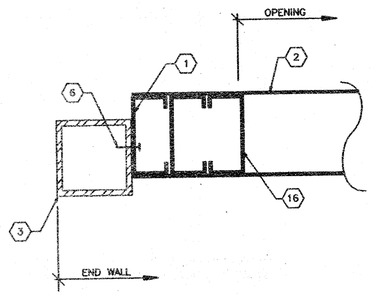
DETAIL	13	DETAIL	9	WALL AT ROOF HEADER	5	WALL AT COLUMN (END WALL)	1
DETAIL	14	DETAIL	10	HEADER / SILL WITH DOUBLE TRACK	6	WALL AT COLUMN (SIDE WALL)	2
DETAIL	15	DETAIL	11	JAMB STUDS AT COLUMN	7	WALL AT ROOF BEAM	3
DETAIL	16	DETAIL	12	DETAIL	8	WALL AT FLOOR	4

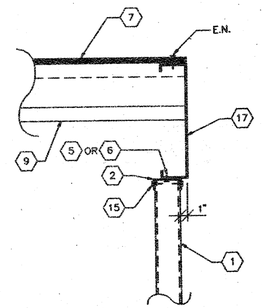


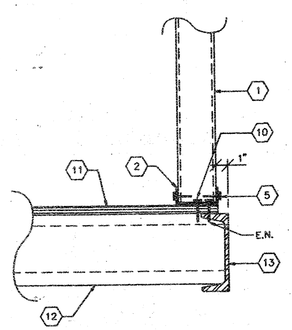












KEYNOTES

1. 3 1/2" x 20 GA. METAL STUD.
2. 3 1/2" x 20 GA. TRACK.
3. STEEL TUBE COLUMN.
4. SHOP FORMED SPACER.
5. #10 STSMS WAFFER HD. AT 24" O.C. OR KNURLED PIN #43-3120B OR KNURLED AKN OR EQUAL AT 24" O.C.
6. AEROSMITH AKN 0.145"ø SHOT PIN OR #10 SMS AT 24" O.C. MAX. OR KNURLED PIN #43-3120B OR KNURLED AKN OR EQUAL.
7. STANDING SEAM ROOFING.
8. ROOF BEAM.
9. ROOF PURLIN.
10. 16d BOX AT 8" O.C. MAX. ALTERNATE #10 x 1 1/2" W.S. OR KNURLED PIN #43-3120B OR KNURLED AKN OR EQUAL AT 8" O.C.
11. PLYWOOD FLOOR DECK.
12. FLOOR JOIST OR BLOCKING.
13. FLOOR BEAM.
14. ROOF HEADER.
15. #6 STSMS WAFFER HD OR KNURLED PIN #43-3120B OR KNURLED AKN OR EQUAL.
16. JAMB STUDS SEE OPENING SCHEDULE.
17. ROOF BEAM.

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 36021 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-8

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-117035
AC 113 98
DATE 4/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118
AC 113 98
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
100073
AC 113 98
DATE JAN 15 1998

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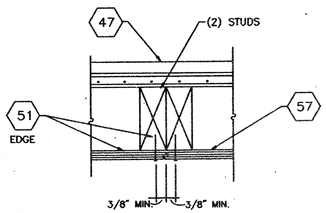
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
STEEL FRAMING DETAILS

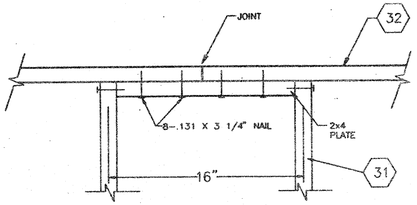
JOB #

DATE 12-8-97
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

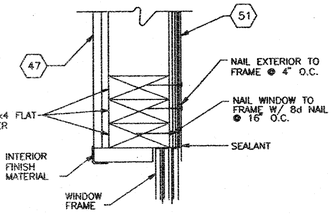
SHEET NO.
S-26



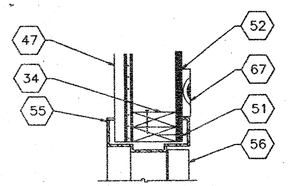
16 PANEL JOINT



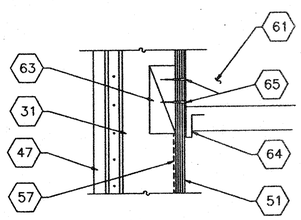
11 TOP PLATE SPLICE



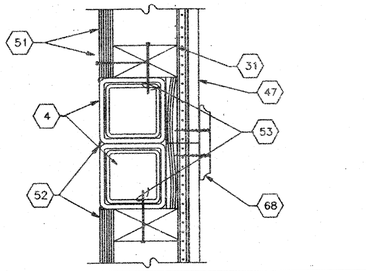
6 WINDOW HEADER



1 DOOR HEAD

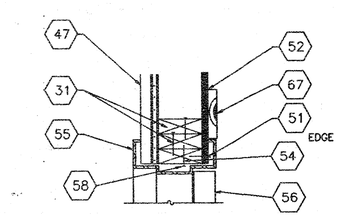


17 A/C BOTTOM BRACKET

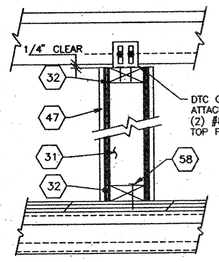


12 COLUMN AT MODULE LINE

7

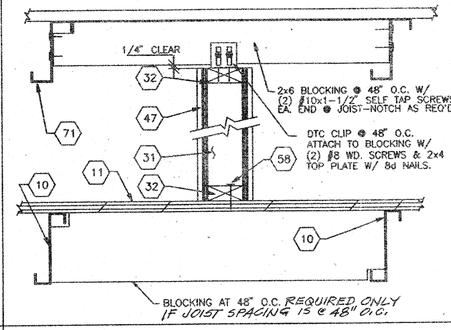


2 DOOR JAMB



DTC CLIP @ 48" O.C. ATTACH TO JOIST W/ (2) #8 SELF TAP SCREWS & 2x4 TOP PLATE W/ 8d NAILS.

18 INTERIOR WALL ATTACHMENT

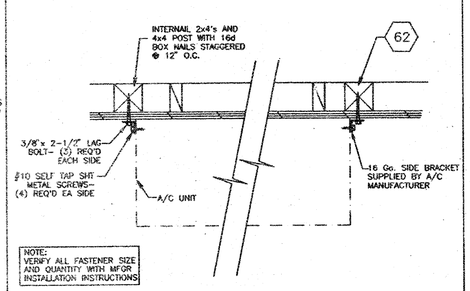


2x6 BLOCKING @ 48" O.C. W/ (2) #10x1-1/2" SELF TAP SCREWS EA. END @ JOIST-NOTCH AS REQ'D

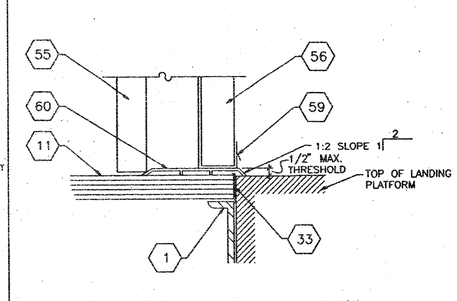
DTC CLIP @ 48" O.C. ATTACH TO BLOCKING W/ (2) #8 WD. SCREWS & 2x4 TOP PLATE W/ 8d NAILS.

BLOCKING AT 48" O.C. REQUIRED ONLY IF JOIST SPACING IS @ 48" O.C.

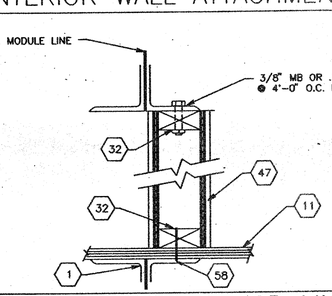
13 INTERIOR WALL ATTACHMENT



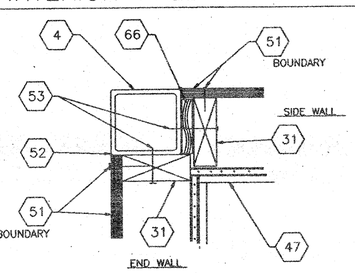
8 A/C SIDE BRACKETS



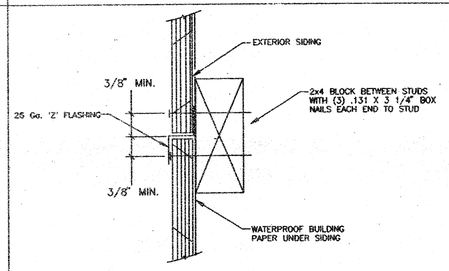
3 THRESHOLD



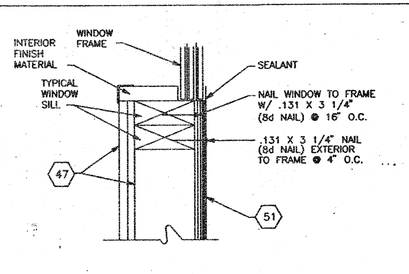
19 INT. WALL ATTACH @ MOD LINE



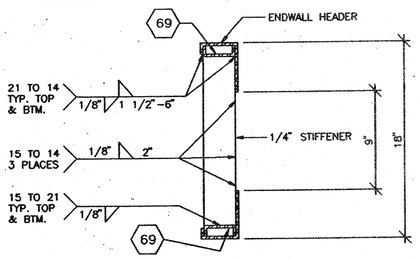
14 COLUMN AT CORNER



9 PANEL SPLICE

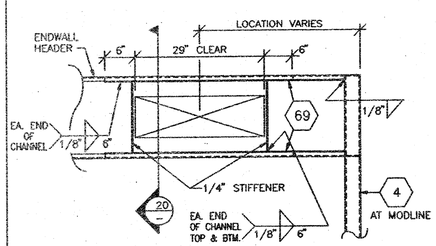


4 WINDOW SILL

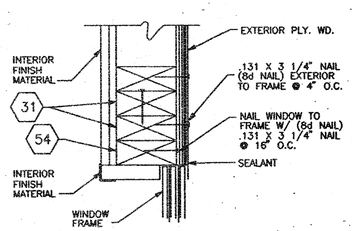


20 A/C OPENING IN HEADER

15



10 A/C OPENING IN HEADER



5 WINDOW JAMB

KEYNOTES

1. STEEL FLOOR CHANNEL
4. STEEL TUBE COLUMN – SEE SHEET S-5
10. STEEL FLOOR JOIST
11. FLOOR SHEATHING
31. 2x4 FULL HT STUDS
32. 2x4 TOP & BOTTOM PLATE, NAIL TO PLYWOOD
33. GALV METAL FLASHING
34. HEADER – (2) 2x4 H.F. STD GRADE FLAT
47. TYPICAL INTERIOR FINISH – SEE SHEET G-1 FOR MATERIALS
51. EXTERIOR PLYWOOD SIDING/SHEATHING – NAIL W/ CORROSION RESISTANT (.131 X 3 1/4" NAILS) 8d BOX NAILS AT 6" O.C. BOUNDARY & EDGES, AND 12" O.C. FIELD WITH MOISTURE BARRIER. SEE SHEET G-1 FOR MATERIALS.
52. SEALANT
53. 'HILTI' DN57-P8 @ 24" O.C. (OR RAMSET 1514 SD) OR .171 PIN AT 24" O.C.
54. 2x4 TRIMMER
55. HOLLOW METAL DOOR FRAME
56. METAL DOOR
57. WATERPROOF MEMBRANE
58. 16d NAIL OR .144 PIN AT 16" O.C.
59. DOOR BOTTOM W/ WEATHER STRIP
60. ALUM THRESHOLD
61. WALL MTD. A/C
62. 4x4 H.F. STUD GRAD POST
63. 2X6 BLOCK BETWEEN STUDS. ATTACH TO STUDS W/ (2) 16d BOX NAILS EA. END
64. 11 GA x 24" LONG STEEL BOTTOM BRACKET
65. 3/8" DIA x 2-1/2" LAG BOLTS
66. 3/4" SPACER-PLYWOOD
67. 1x4 TRIM (OPTIONAL)
68. VINYL WRAPPED CLOSE-OFF BATT. ATTACH W/ #8x2 1/4" PAN HEAD WOOD SCREWS STAGGERED 24" O.C. AND (2) SCREWS TOP AND BOTTOM
69. 3 1/4"x1"x4'-6" [x 10 GA. CHANNEL TOP & BOTTOM.
71. ROOF JOIST. SEE SHEET S-40

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 36021 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
GENERAL INTERIOR AND EXTERIOR
WALL CONTRUCTION DETAILS

JOB #

DATE 1-9-98

DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

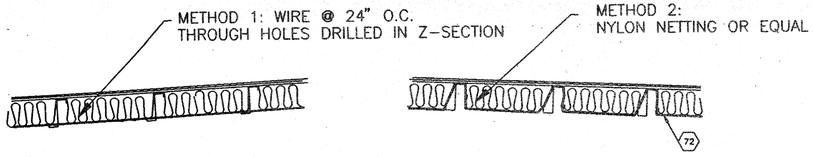
SHEET NO.
S-30

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

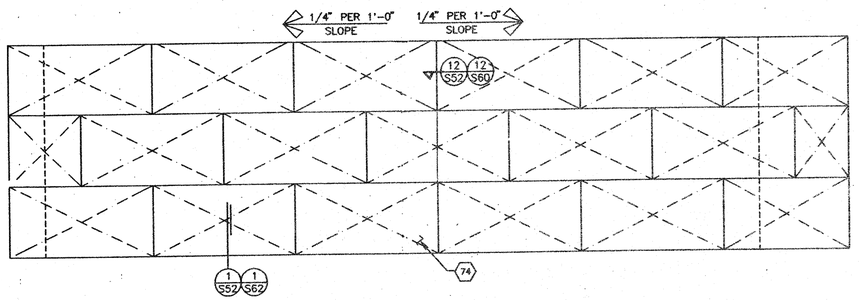
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035 SS
AC FLS DATE 6/24/2016

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 100118 SS
AC FLS DATE JAN 15 1998

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4 100073 SS
AC FLS DATE JAN 15 1998

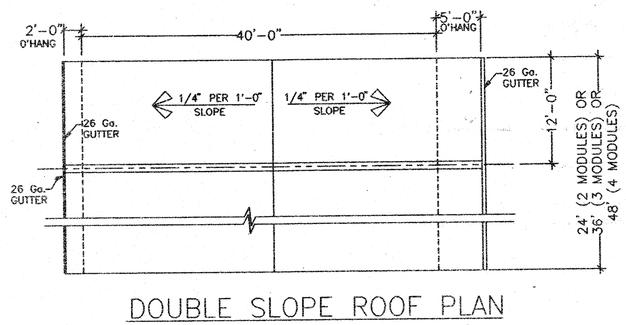


INSULATION @ ROOF



PLYWOOD DECKING LAYOUT

DUAL PITCH SLOPE SHOWN



DOUBLE SLOPE ROOF PLAN

KEYNOTES

2. [18"x 18-23 X 3 1/2" X 10 Ga.
3. [18"x3 1/2x12 Ga. RFC STEEL ROOF HEADER.
71. ⌊ 6"x 14 Ga. STEEL ROOF JOIST @ 48" O.C. FOR 20 PSF ROOF LL AND 32 O.C. FOR 30 PSF ROOF LL OR ⌊ 7"x1 1/2"x 11 GA. FOR 30 PSF ROOF LL W/ JOIST AT 48" O.C.
72. 2"x 20 Ga. STRAPS W/ 3" MIN. 1/8" FILLET WELD EACH END TO ROOF BEAM/HEADER TYP.
73. 1 1/2"x1 1/2"x3/16" BRACE
74. ROOF SHEATHING- 3/4" C-D EXPOSURE 1, 48/24 SPAN RATING, PS 1-83, APA RATED OR EQUAL, SQUARE EDGE W/ PLYWOOD CLIPS @ 16" O.C. LONG EDGES ON UNSUPPORTED EDGES; ATTACH TO STEEL FRAMING WITH #10-24 X 1 3/4 SELF TAP SCREWS @ 6" O.C. BOUNDARY & EDGES AND 6" O.C. FIELD WHERE JOIST ARE AT 48" O.C. AND 12" O.C. WHERE JOIST ARE AT 32" O.C.
75. 22 GAGE GALVANIZED METAL ROOFING. SEE SHEET S-50 & S-60
76. 16/21/16 STEEL TRUSS. SEE SHEET S-70
77. NYLON NETTING FOR INSULATION SUPPORT OR EQUAL.

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES L. SIMPSON No. 36021 CIVIL STRUCTURAL STATE OF CALIFORNIA

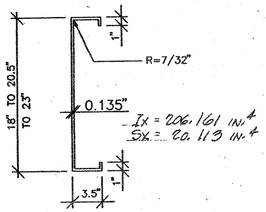
LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

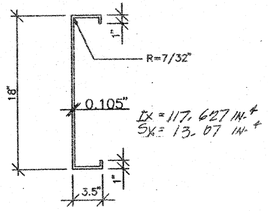
MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

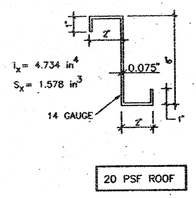
(2) 18" x 3 1/2" x 10 GA. CHANNEL (BEAM)



(3) 18" x 3 1/2" x 12 GA. CHANNEL (HDR)

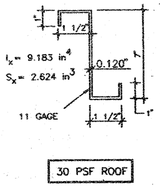


(7) 6" x 14 GA. ROOF JOIST

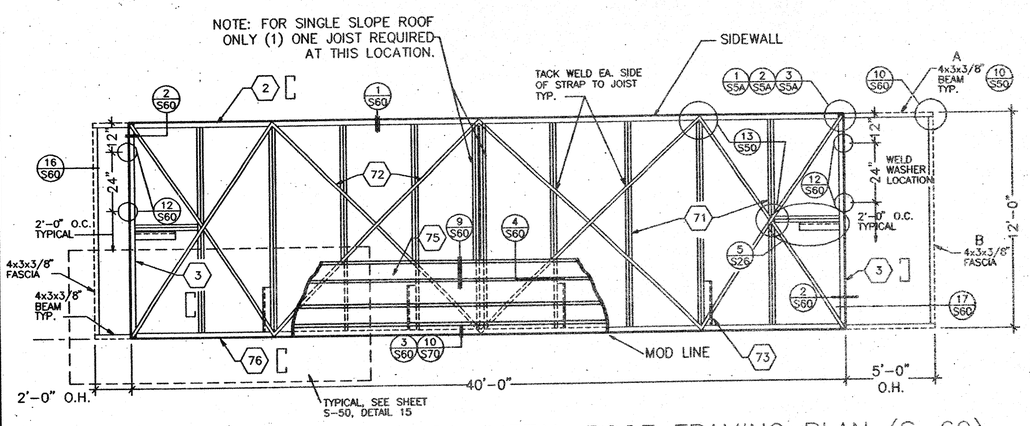


20 PSF ROOF

(7) 7" x 11 GA. ROOF JOIST

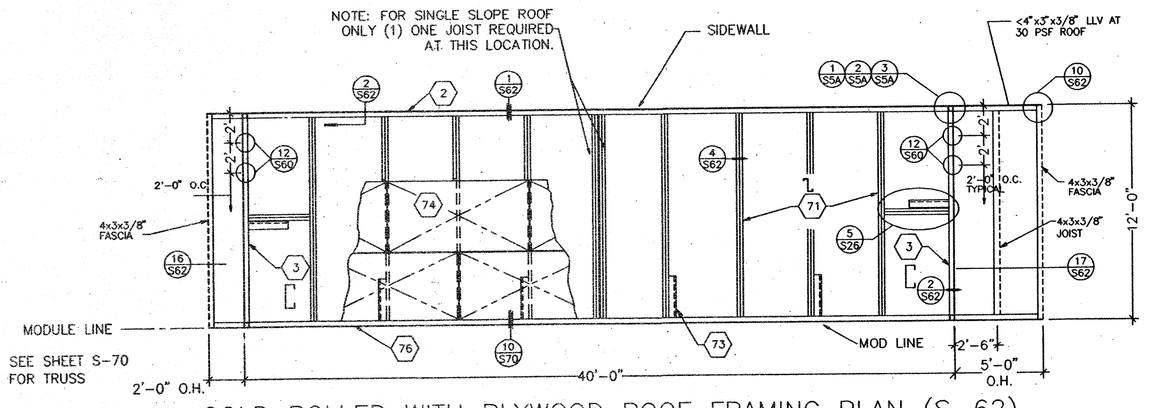


30 PSF ROOF



COLD ROLLED WITH 22 GA. METAL ROOF FRAMING PLAN (S-60)

METAL ROOF TO BE APPLIED PER APPROVED & LISTED MANUFACTURER'S INSTALLATION INSTRUCTIONS DOUBLE SLOPE



COLD ROLLED WITH PLYWOOD ROOF FRAMING PLAN (S-62)

26 OR 30 GAGE BUILT UP ROOF TO BE APPLIED & LISTED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS DOUBLE SLOPE

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-117935 AC FLS SS DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 100118 AC FLS SS DATE JAN 1-5 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 2 100073 AC FLS SS DATE JAN 1-5 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
GENERAL ROOF CONSTRUCTION LAYOUT

JOB #

DATE 1-9-98

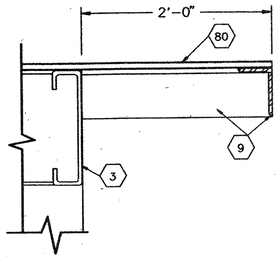
DRAWN BY R.D.L.

SCALE NONE

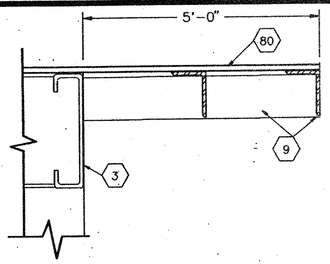
APPROVED

REVISIONS

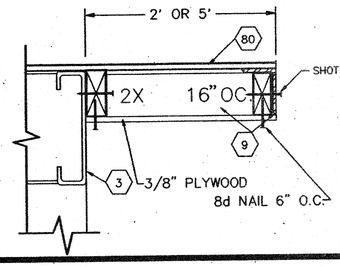
SHEET NO.
S-40



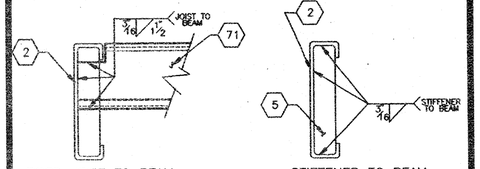
16 2' OVERHANG



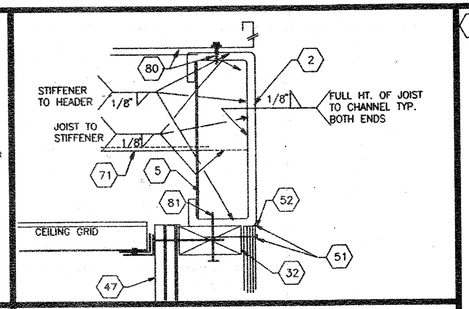
17 5' OVERHANG



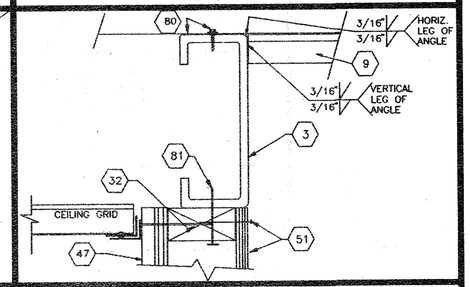
18 2' OR 5' OVERHANG OPTIONAL SOFFIT



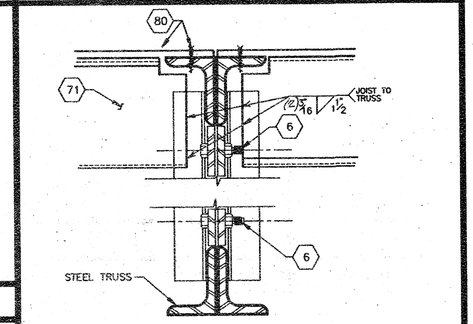
6 ROOF JOIST DETAILS



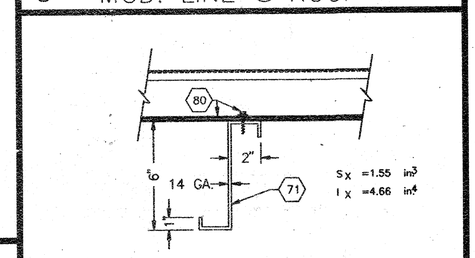
1 ROOF AT SIDEWALL



2 ROOF AT ENDWALL

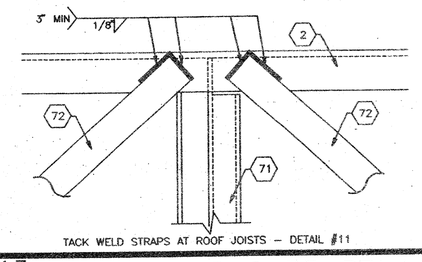


3 MOD. LINE @ ROOF

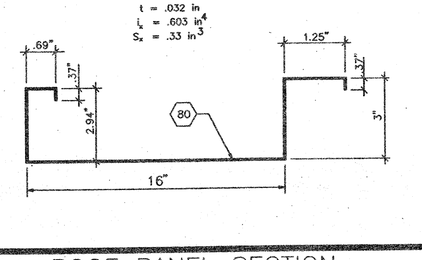


4 ROOF JOIST

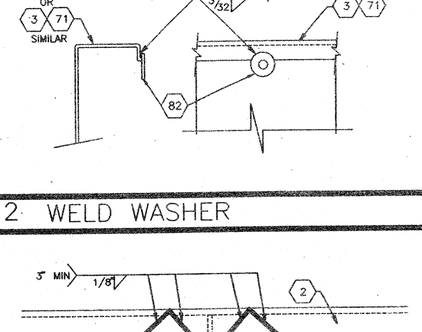
5



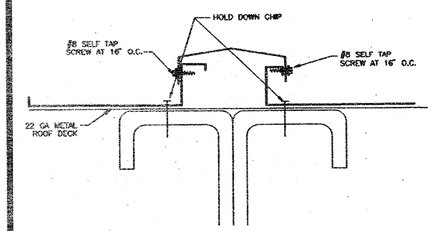
13 20 Ga. STRAP @ RF. BEAM



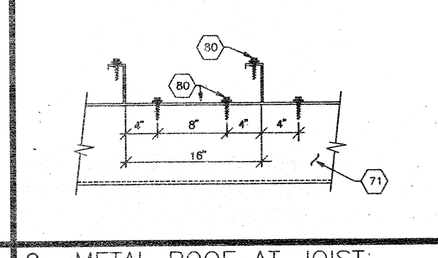
14 ROOF PANEL SECTION



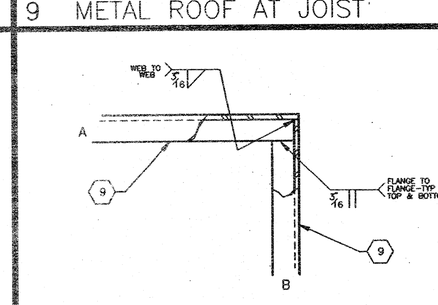
15 TYPICAL ROOF FASTENING



8 METAL ROOF @ MOD LINE



9 METAL ROOF AT JOIST



10 ANGLE TO ANGLE @ O.H.

KEYNOTES

2. 10 GA. CHANNEL STEEL ROOF BEAM
3. 12 GA. CHANNEL STEEL ROOF HEADER
4. 3 1/2" X 3 1/2" X 3/16" TUBE STEEL COLUMN
5. 3/16" FULL HEIGHT STIFFENER ● 4'-0" O.C. OR AT ROOF JOIST
6. 5/8" MACHINE BOLT ● MODULE CONNECTION AT 8 FT. O.C..
9. ∡ 4 X 3 X 3/8 PERIMETER ROOF OVERHANG, USE ∡ 4 X 3 X 3/8 LLV OUTRIGGER BEAM AT 30 PSF SNOW
32. 2 x 4 TOP PLATE
47. TYPICAL INTERIOR FINISH – SEE SHEET G-1
51. TYPICAL EXTERIOR FINISH – SEE SHEET G-1
52. SEALANT
71. ROOF JOIST AT 48" O.C. FOR 20 PSF ROOF AND 32" O.C. FOR 30 PSF ROOF. SEE S-40 FOR ADDITIONAL INFO.
72. 2"x 20 Ga. STRAPS W/ 3" MIN. OF 1/8" FILLET WELD EA. END TO ROOF BEAM/HEADER TYPICAL
80. STEEL ROOF DECK – 22 Ga. ROLL FORMED 2 1/2" STANDING SEAM ROOF DECK. USE #14 SELF TAP SCREWS ● 12" O.C. AT ROOF JOIST ((2) PER PANEL), AND #14 SELF TAP SCREWS ● 4" O.C. AT HEADERS (3) PER PANEL) AND 24" O.C. ● OUTSIDE EDGE, (1) #14 STS ● 4'-0" O.C. AT STANDING SEAM BETWEEN JOIST. ALL INSTALLATION PER APPROVED AND LISTED MANUFACTURER'S INSTALLATION.
81. 0.170● SHOT PIN ● 18" O.C. OR 3/8" BOLT 24" O.C. MIN.
82. WELD WASHER – 1-3/8"x 3/32" WITH 9/16" HOLE. WELD TO UPPER CHANNEL FLANGE.

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MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
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PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP
REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 36021 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 03-117035 FLS SS DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 4 100118 FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 1000073 FLS SS DATE JAN 15 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
ROOF CONSTRUCTION DETAILS FOR
'C' CHANNEL AND 22 GA. METAL ROOF

JOB #

DATE 1-9-98

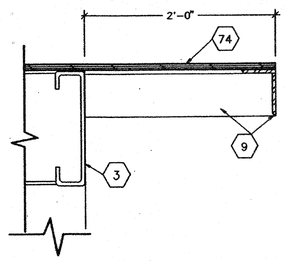
DRAWN BY R.D.L.

SCALE NONE

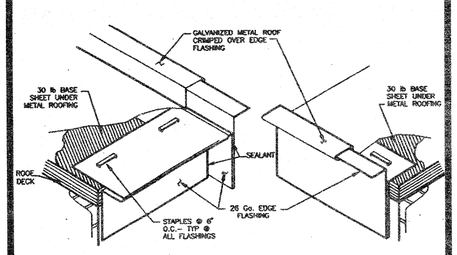
APPROVED

REVISIONS

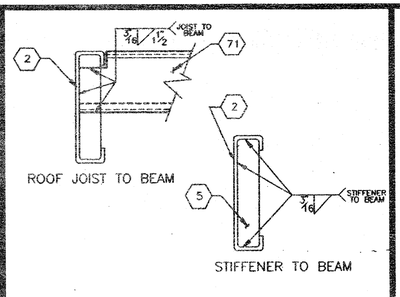
SHEET NO.
S-50



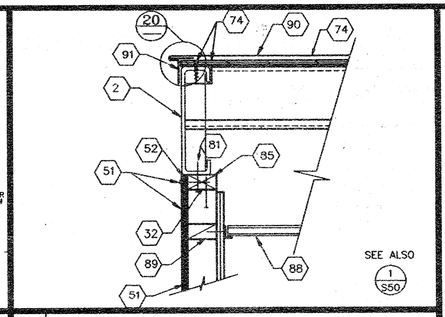
16 | 2' OVERHANG



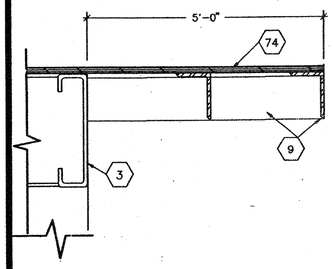
11 | METAL ROOF @ CORNER



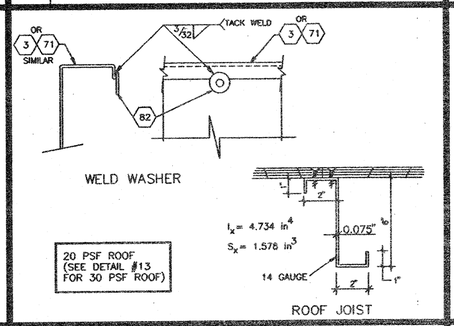
6 | ROOF JOIST DETAILS



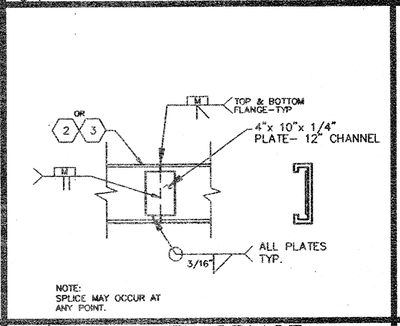
1 | ROOF AT SIDEWALL



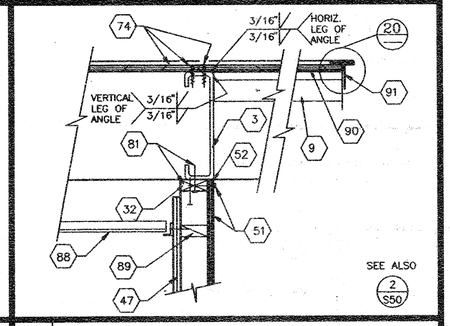
17 | 5' OVERHANG



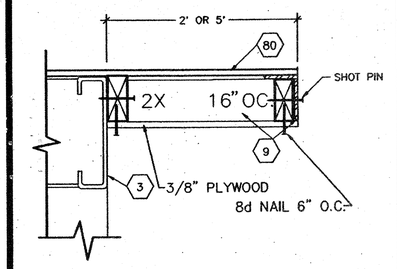
12 | ROOF JOIST (EDGE COND.)



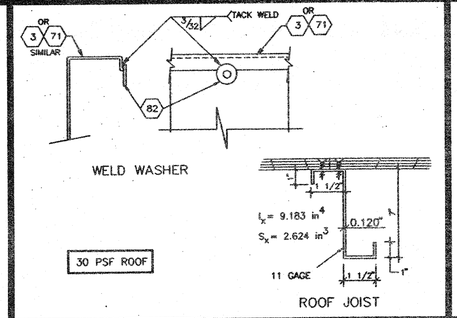
7 | CHANNEL SPLICE



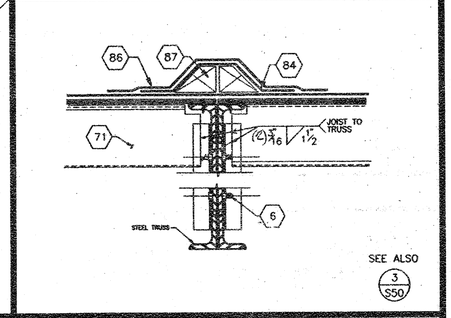
2 | ROOF AT ENDWALL



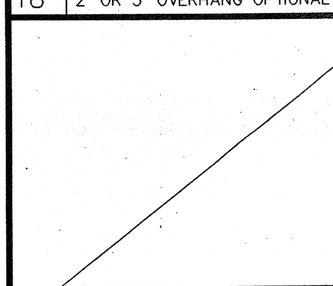
18 | 2' OR 5' OVERHANG OPTIONAL SOFFIT



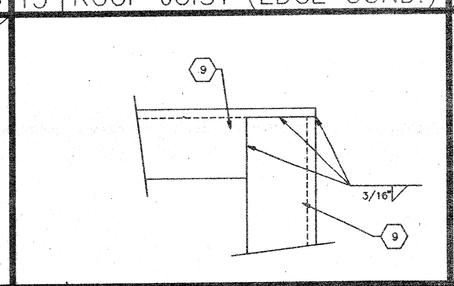
13 | ROOF JOIST (EDGE COND.)



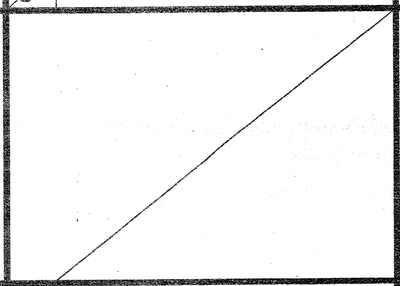
3 | MOD. LINE @ ROOF (BUILT UP)



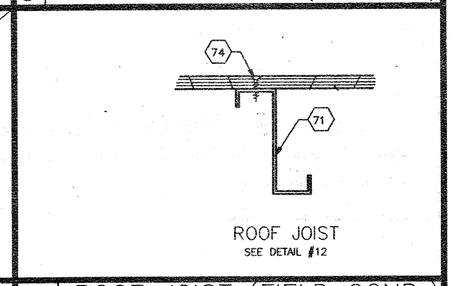
20 | FASCIA



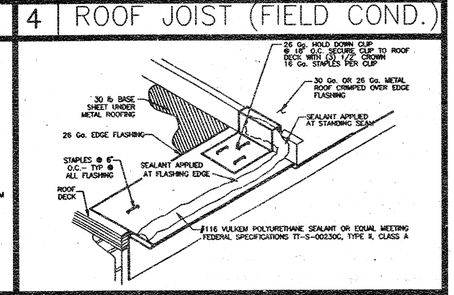
14 | CORNER @ OVERHANG



10 | ANGLE TO ANGLE @ O.H.



4 | ROOF JOIST (FIELD COND.)



5 | METAL ROOF @ PERIMETER

KEYNOTES

2. 10 GA. STEEL ROOF BEAM
3. 12 GA. STEEL ROOF HEADER
5. 3/16" FULL HEIGHT STIFFENER @ 4'-0" O.C. OR AT ROOF JOIST.
6. 5/8" MACHINE BOLT AT MODULE LINE.
9. # 4" X 4" X 3/8" @ PERIMETER OF ROOF OVERHANG. OR USE # 5" X 5" X 3/8" LLV OUTRIGGER BEAM AT 30 PSF SNOW
32. 2X4 D.F. TOP PLATE – INTERNAIL TO 2X4 CONT. PLATE W/ .131 X 3 1/4" BOX NAILS @ 8" O.C.
47. INTERIOR FINISH – SEE SHEET G-1
51. TYP. EXTERIOR FINISH – SEE SHEET G-1.
71. 6" X2" W X 1" LIP X 14 GA. ROOF JOIST
74. 30 GAGE, 26 GAGE OR BUILD UP ROOF OVER ROOF SHEATHING – 3/4" C-D EXPOSURE 1, 48/24 SNAP RATING, PS 1-74, APA RATED OR EQUAL, SQUARE EDGE W/ PLYWOOD CLIPS @ 16" O.C. ON UNSUPPORTED EDGES; ATTACH TO STEEL FRAMING WITH #10 X 2" SELF TAP SCREWS OR .170 PIN @ 6" O.C. BOUNDARY & EDGES AND 6" O.C. FIELD WHERE JOIST ARE AT 48" O.C. & 12" O.C. WHERE JOIST ARE AT 32" O.C.
81. 2X4 M.F. CONT. PLATE- ATTACH TO CHANNEL W/ 0.170# SHOT PIN @ 16" O.C. OR 3/8" BOLT AT 24" O.C. MIN.
84. FIBERGLASS BASE 12" WIDE NAIL EDGE 12" O.C.
86. MINERAL SURFACE CAP SHEET 16" WIDE SET IN COLD PROCESS CEMENT, NAIL AS REQUIRED, SPOT COAT NAIL HEADS.
87. CONTINUOUS WOOD CANT STRIP; EXTEND ROOFING TO TOP OF CANT STRIP
88. SUSPENDED CEILING
89. 2X4 BLOCK @ CEILING LINE
90. ROOFING MATERIAL 26 GAGE, 30 GAGE OR BUILT UP ROOFING
91. 26 GA. FLASHING

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER MEIS T. SIMPSON No 3602 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2000

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 03-117035 AC FLS SS DATE 6/29/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 4 100118 AC FLS SS DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES 100073 AC FLS SS DATE JAN 15 1998

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MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA. 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

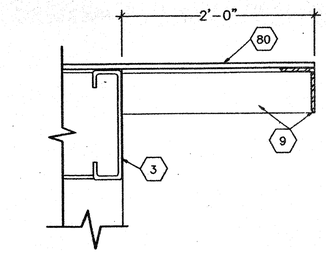
PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
ROOF CONSTRUCTION DETAILS
FOR 'C' CHANNEL AND PLYWOOD

JOB #

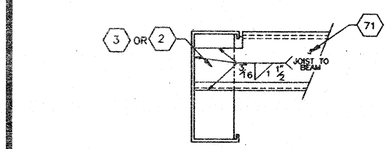
DATE 1-9-98
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

SHEET NO.
S-52



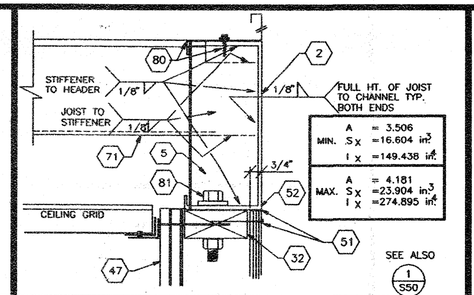
16 2' OVERHANG

11



ROOF JOIST TO BEAM OR HEADER

6 ROOF JOIST DETAILS



1 ROOF AT SIDEWALL

2. 10 GA. STEEL ROOF BEAM

3. 12 GA. STEEL ROOF HEADER

5. 3/16" FULL HEIGHT STIFFENER @ 4'-0" O.C. OR AT ROOF JOIST

6. 5/8" MACHINE BOLT @ MODULE CONNECTION

9. ⅜ 4"x 3"x 3/8" @ PERIM. OF ROOF OVERHANG. OR USE ⅜ 4"x 3"x 3/8" LLV FOR 30 PSF SNOW.

32. 2 x 4 TOP PLATE OR BOTTOM PLATE

47. TYPICAL INTERIOR FINISH – SEE SHEET G-1

51. TYP. EXTERIOR FINISH – SEE SHEET G-1.

52. SEALANT

71. ROOF JOIST

72. 2" X 20 GAGE STRAP WITH 3" MIN.OF 1/8 WELD TO EACH END TO ROOF BEAM

80. STEEL ROOF DECK – 22 Ga. ROLL FORMED 2 1/2" STANDING SEAM ROOF DECK. USE #14 SELF TAP SCREWS @ 12" O.C. AT ROOF JOIST [(2) PER PANEL], AND #14 SELF TAP SCREWS @ 4" O.C. AT HEADERS [(3) PER PANEL] AND 24" O.C. @ OUTSIDE EDGE, (1) #14 STS @ 4'-0" O.C. AT STANDING SEAM BETWEEN JOISTS.

81. WELD WASHER & 1/2" MACHINE BOLT @ 24" O.C. MIN. OR .170 PIN AT 16" O.C.

82. WELD WASHER – 1-3/8"x 3/32" WITH 9/16" HOLE. WELD TO UPPER CHANNEL FLANGE.

83. TYPICAL EXTERIOR FINISH – SEE SHEET G-1

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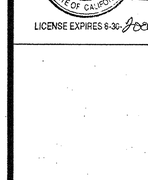
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP



LICENSE EXPIRES 8-30-

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 154-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117253
AC FLS SS
DATE 9/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC 1 FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
AC 100073 FLS SS
DATE JAN 15 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
ROOF CONSTRUCTION DETAILS

JOB #

DATE 1-9-98

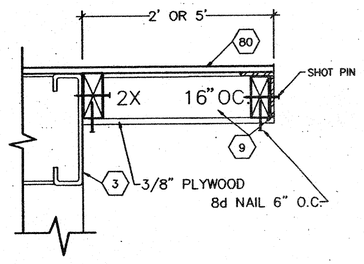
DRAWN BY R.D.L.

SCALE NONE

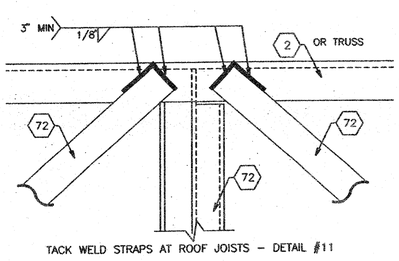
APPROVED

REVISIONS

SHEET NO.
S-60

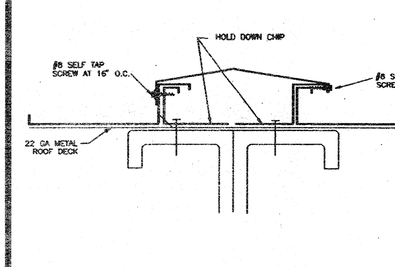


18 2' OR 5' OVERHANG OPTIONAL SOFFIT

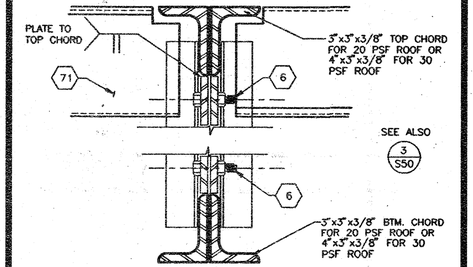


TACK WELD STRAPS AT ROOF JOISTS – DETAIL #11

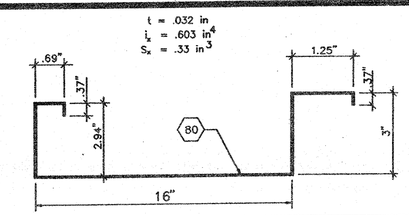
13 20 Ga. STRAP @ RF. BEAM



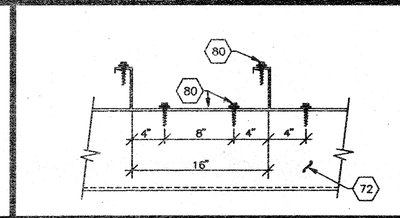
8 METAL ROOF @ MOD LINE



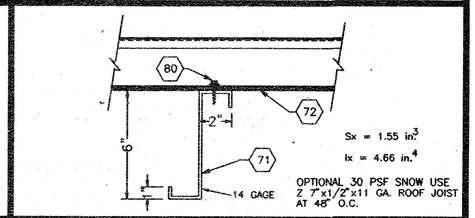
3 TRUSS AT MODLINE



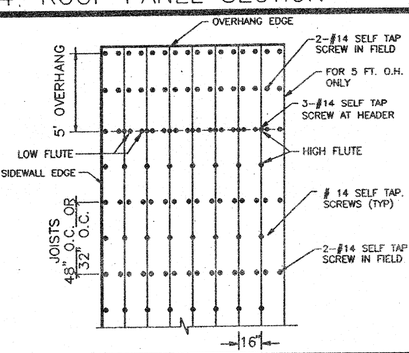
14 ROOF PANEL SECTION



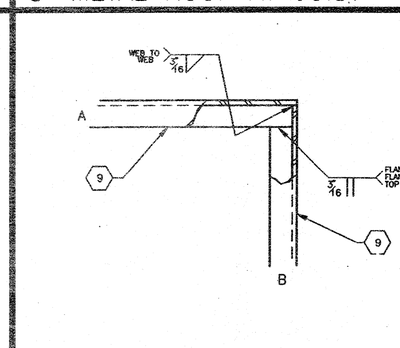
9 METAL ROOF AT JOIST



4 ROOF JOIST



15 TYP. ROOF FASTENING



10 ANGLE TO ANGLE

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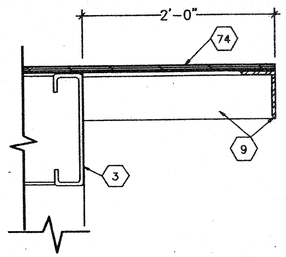
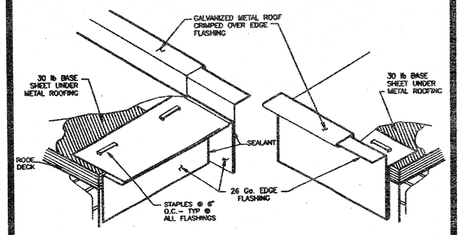
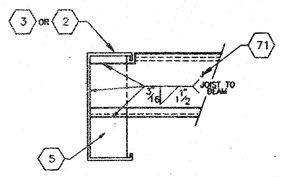


16 2' OVERHANG

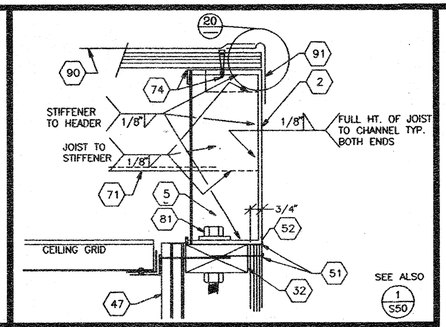


11 METAL ROOF @ CORNER

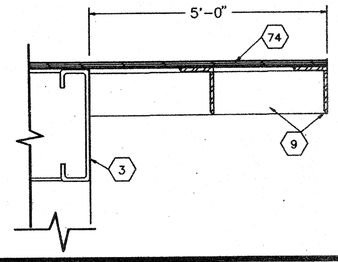


ROOF JOIST TO BEAM OR HEADER

6 ROOF JOIST DETAILS

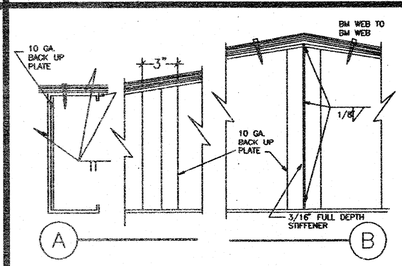


1 ROOF AT SIDEWALL

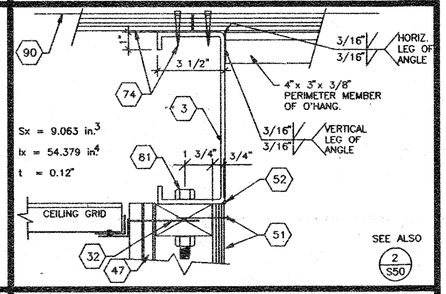


17 5' OVERHANG

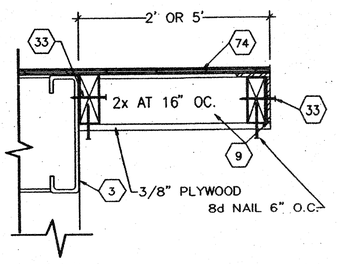
12



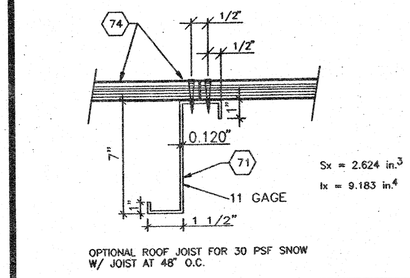
7 PLYWOOD ROOF AT BEAM



2 ROOF AT ENDWALL

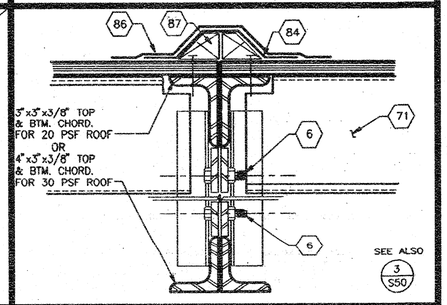


18 2' OR 5' OVERHANG OPTIONAL

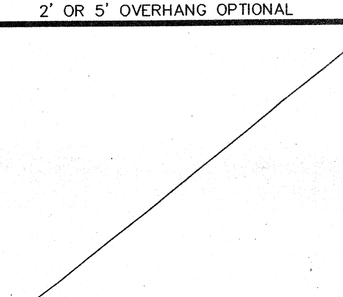


13 ROOF JOIST (EDGE COND.)

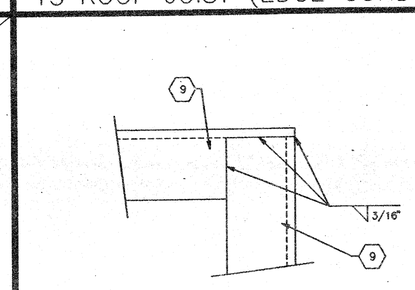
8



3 MOD. CONN. AT ROOF

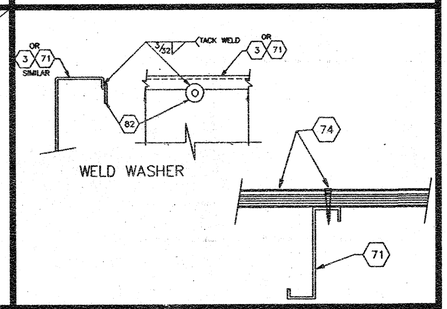


20 FASCIA

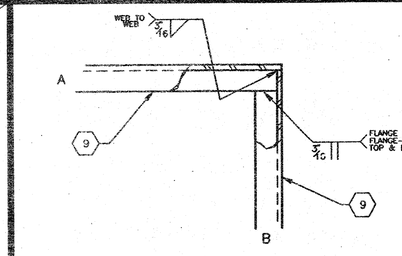


14 CORNER @ OVERHANG

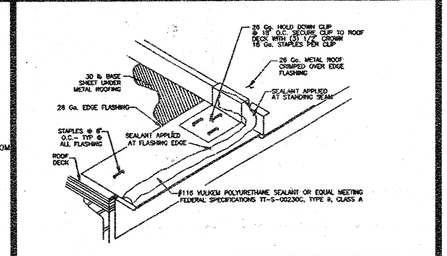
9



4 ROOF JOIST (FIELD COND.)



10 ANGLE TO ANGLE



5 METAL ROOF @ PERIMETER

KEYNOTES

2. 10 GA. STEEL ROOF BEAM
3. 12 GA. STEEL ROOF HEADER
5. 3/16" FULL HEIGHT STIFFENER @ 4'-0" O.C. OR AT ROOF JOIST
6. 5/8" MACHINE BOLT @ MODULE CONNECTION
9. L 4"x 3"x 3/8" @ PERIM. OF ROOF OVERHANG, L 4"x 3"x 3/8" LLV AT 30 PSF SNOW.
32. 2 x 4 TOP PLATE OR BOTTOM PLATE
47. TYPICAL INTERIOR FINISH – SEE SHEET G-1
52. SEALANT
71. ROOF JOIST
74. ROOF SHEATHING – 3/4" C-D EXPOSURE 1, 48/24 SPAN RATING, PS 1-74, APA RATED OR EQUAL, SQUARE EDGE W/ PLYWOOD CLIPS @ 16" O.C. ON UNSUPPORTED EDGES; ATTACH TO STEEL FRAMING WITH #10 x 2" SELF TAP SCREWS OR .170 PIN @ 6" O.C. BOUNDARY & EDGES AND 6" O.C. FIELD WHERE JOIST ARE AT 48" O.C. AND 12" O.C. WHERE JOIST ARE AT 32" O.C.
81. 1/2" MACHINE BOLT @ 24" O.C. MIN. OR .170 PIN AT 16" O.C.
83. TYPICAL EXTERIOR FINISH – SEE SHEET G-1
84. FIBERGLASS BASE 12" WIDE. NAIL EDGES 12" O.C.
86. MINERAL SURFACE CAP SHEET 18" WIDE SET IN COLD PROCESS CEMENT, NAIL AS REQUIRED, SPOT COAT NAIL HEADS.
87. CONTINUOUS WOOD CANT STRIP. EXTEND ROOFING TO TOP OF CANT STRIP.
90. ROOFING MATERIAL 26 GAGE, 30 GAGE OR BUILD UP ROOF
91. GALVANIZED 26 GAGE METAL FLASHING.

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PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-100073

ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 5803 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-117037 AC FLS SS DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118 AC FLS SS DATE JAN 13 1999

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
100073 AC FLS SS DATE JAN 13 1999

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
ROOF CONSTRUCTION DETAILS

JOB #

DATE 1-9-98

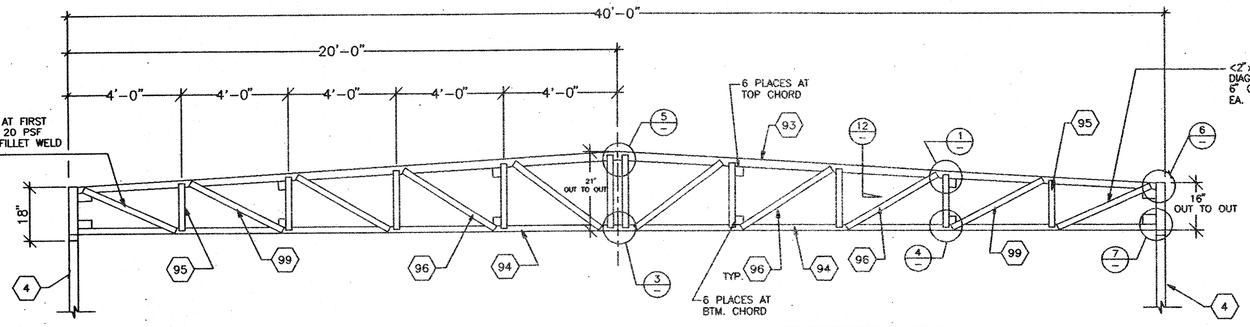
DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
S-62

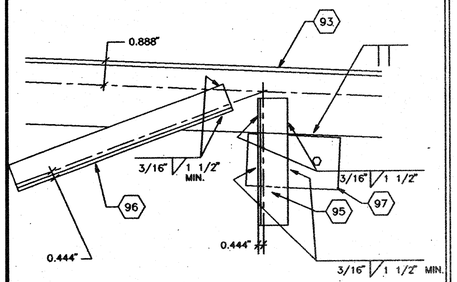


TRUSS ELEVATION

A

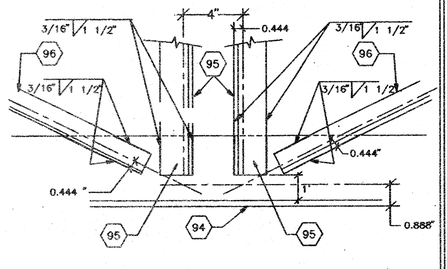
KEYNOTES

4. 3 1/2"x3 1/2"x3/16" STEEL TUBE
6. 5/8" MACHINE BOLT FOR MODULE CONNECTION
7. 1/4" CAP PLATE
71. ROOF JOIST
93. ∠ 3"x3"x3/8" TOP CHORD.
94. ∠ 3"x3"x3/8" 1/2" CHAMBER AT MIDPOINT FOR 20 PSF ROOF OR ∠ 4"x3"x3/8" 1/2" CHAMBER AT MIDPOINT FOR 30 PSF ROOF
95. ∠ 1 1/2"x1 1/2"x3/16" VERTICAL MEMBER
96. ∠ 1 1/2"x 1 1/2"x 3/16" DIAGONAL MEMBER TYP. (WITH 4" OF 3/16" FILLET WELD AT EA. END OF DIAGONAL & VERTICAL FOR 30 PSF ROOF, 3" OF FILLET WELD AT 20 PSF ROOF)
97. 3/8"x3"x5 1/2" PLATE WITH 11/16" HOLE FOR 5/8" MACHINE BOLT LOCATE PLATES @ 8'-0" O.C. FOR MODULE CONNECTION. SEE DETAIL 8.
98. 1 1/2"x1 1/2"x3/16" BRACE @ EVERY OTHER JOIST
99. 1 1/2"x 1 1/2"x 3/16" DIAGONAL (WITH 4" OF 3/16" FILLET WELD EACH END)

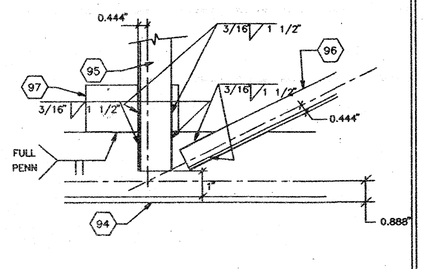


VERT. & DIAG. TOP CHORD 1

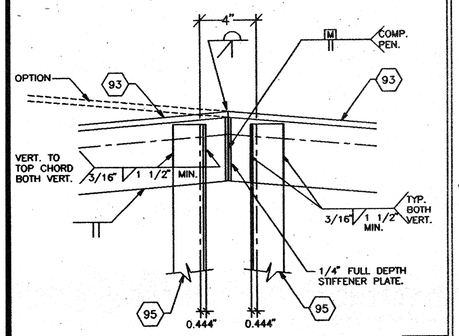
2



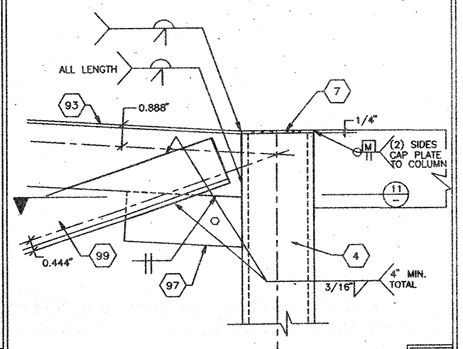
BOTTOM CHORD AT MIDSPAN 3



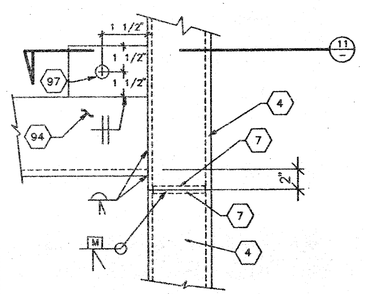
VERT & DIAG TO BOTTOM CHORD 4



TOP CHORD AT MIDPOINT 5



POST CONN TO TRUSS 6



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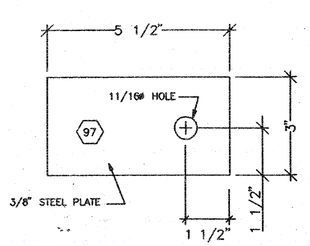
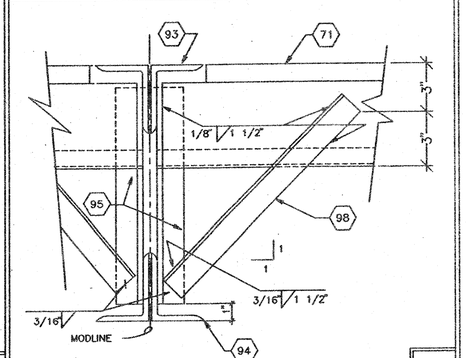
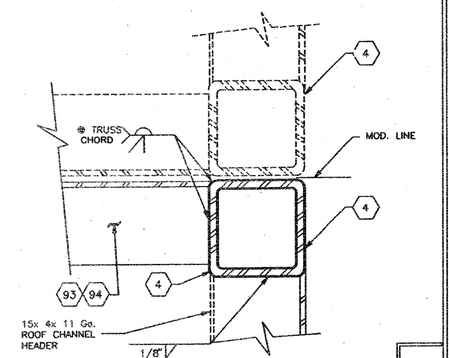


TIE PLATES 8

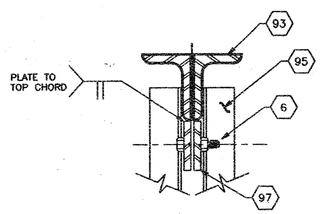
9



TRUSS TO ROOF JOIST BRACING 10



MODULE CONN AT TOP/BOT. CORD 11



MODULE CONNECTION 12

20# ROOF

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PC-100073

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STRUCTURAL ENGINEERS STAMP

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

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
03-117095
AC FLS SS
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118
AC FLS 86
DATE JAN 1 5 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
1000073
AC FLS 86
DATE JAN 1 5 1998

PROJECT
24'X40', 36'X40', & 48'X40' MODULAR CLASSROOM BUILDING

TITLE
STEEL TRUSS SECTION DETAILS FOR DOUBLE PITCH ROOF

JOB #

DATE 1-9-98

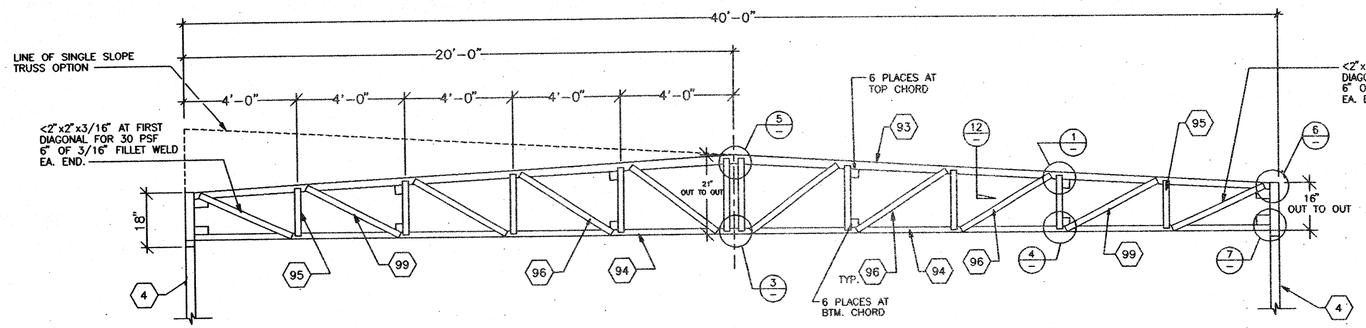
DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
S-70

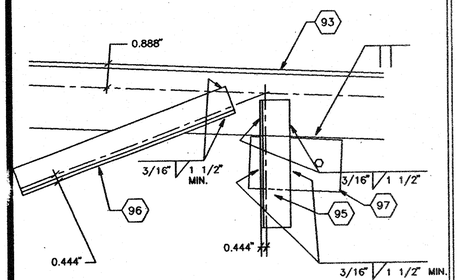


TRUSS ELEVATION

A

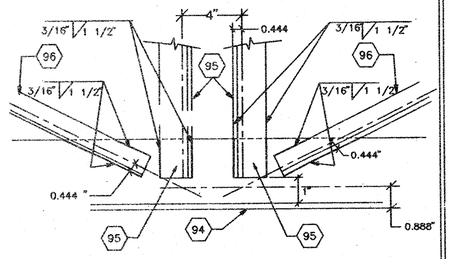
KEYNOTES

4. 3 1/2"x3 1/2"x1/4" STEEL TUBE
6. 5/8" MACHINE BOLT FOR MODULE CONNECTION
7. 1/4" CAP PLATE
71. ROOF JOIST
93. ∠ 4"x3"x3/8" TOP CHORD.
94. ∠ 3"x3"x3/8" 1/2" CHAMBER AT MIDPOINT FOR 20 PSF ROOF OR ∠ 4"x3"x3/8" 1/2" CHAMBER AT MIDPOINT FOR 30 PSF ROOF
95. ∠ 1 1/2"x1 1/2"x3/16" VERTICAL MEMBER
96. ∠ 1 1/2"x 1 1/2"x 3/16" DIAGONAL MEMBER TYP. (WITH 4" OF 3/16" FILLET WELD AT EA. END OF DIAGONAL & VERTICAL FOR 30 PSF ROOF, 3" OF FILLET WELD AT 20 PSF ROOF)
97. 3/8"x3"x5 1/2" PLATE WITH 11/16" HOLE FOR 5/8" MACHINE BOLT LOCATE PLATES @ 8'-0" O.C. FOR MODULE CONNECTION. SEE DETAIL 8.
98. 1 1/2"x1 1/2"x3/16" BRACE @ EVERY OTHER JOIST
99. 1 1/2"x 1 1/2"x 3/16" DIAGONAL (WITH 4" OF 3/16" FILLET WELD EACH END)

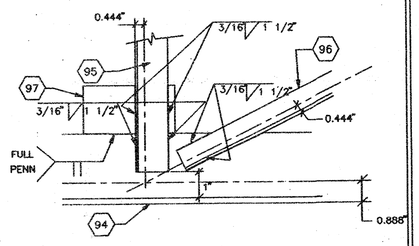


VERT. & DIAG. TOP CHORD 1

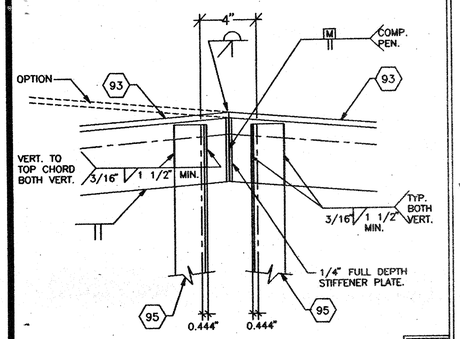
2



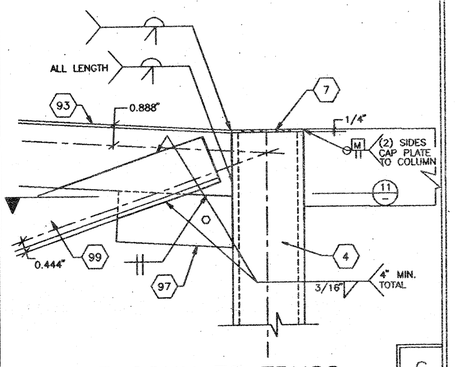
BOTTOM CHORD AT MIDSPAN 3



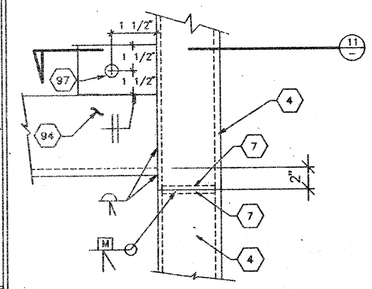
VERT & DIAG TO BOTTOM CHORD 4



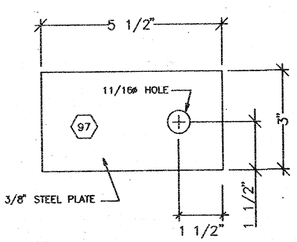
TOP CHORD AT MIDPOINT 5



POST CONN TO TRUSS 6

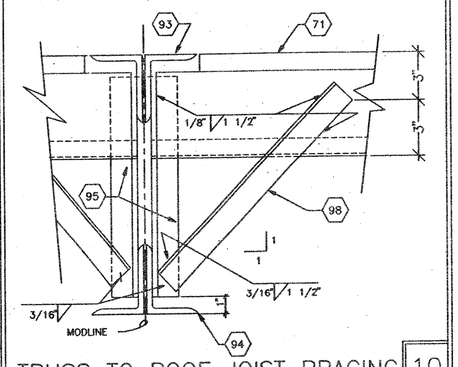


POST CONN TO TRUSS 7

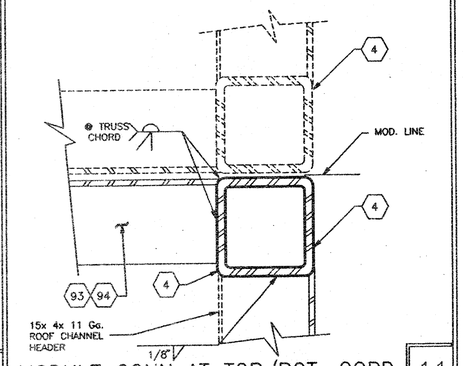


TIE PLATES 8

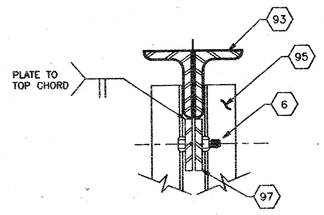
9



TRUSS TO ROOF JOIST BRACING 10



MODULE CONN AT TOP/BOT. CORD 11



MODULE CONNECTION 12

30# SNOW

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 3602 STRUCTURAL STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-00

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-8

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 03-117035 FLS SS
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 100119 FLS BC
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC 100073 FLS BC
DATE JAN 15 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
STEEL TRUSS SECTION DETAILS FOR DOUBLE PITCH ROOF

JOB #

DATE 1-9-97

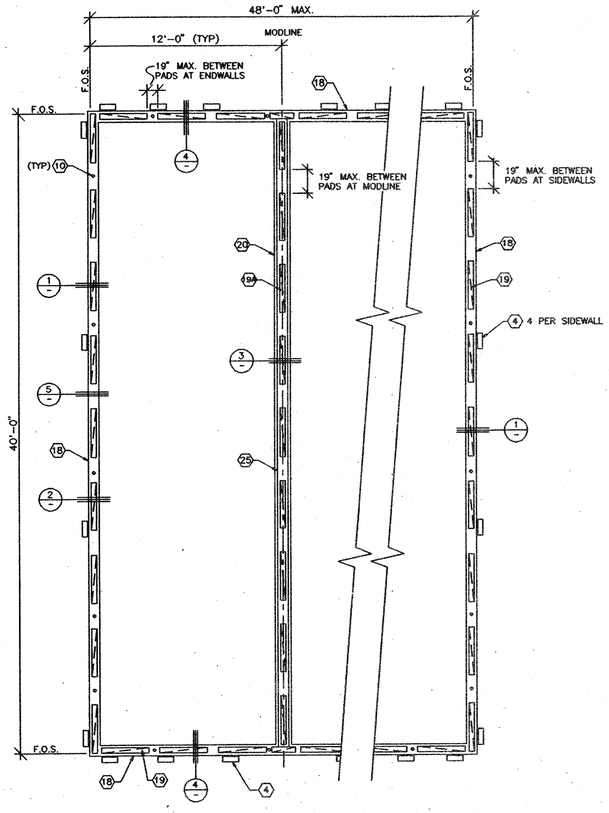
DRAWN BY R.D.L.

SCALE NONE

APPROVED

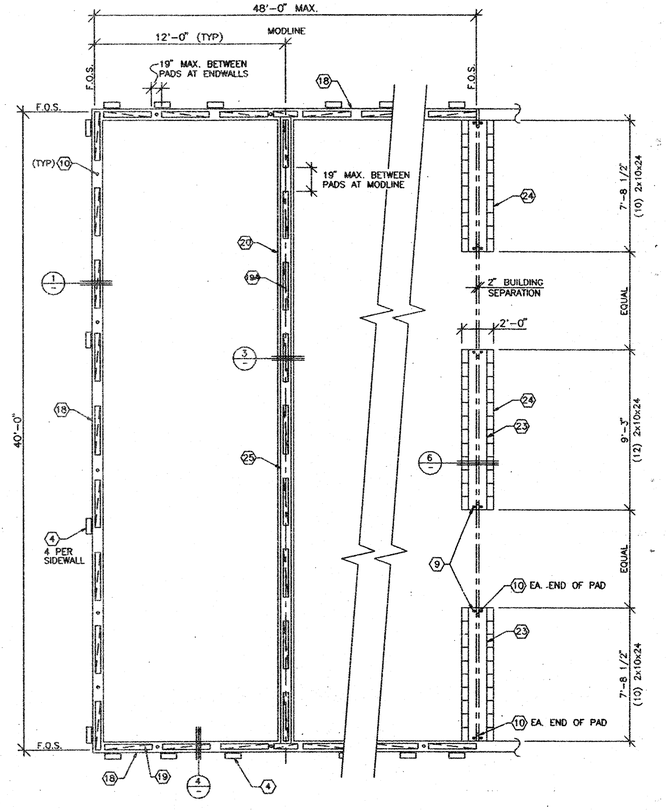
REVISIONS

SHEET NO.
S-70-A



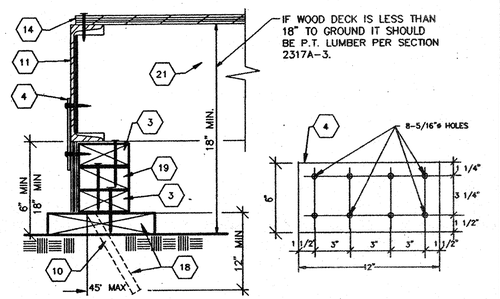
MULTI-WIDE FOUNDATION PLAN (N.T.S.)

50 P.S.F. FLOOR LIVE LOAD
20 PSF ROOF LOAD

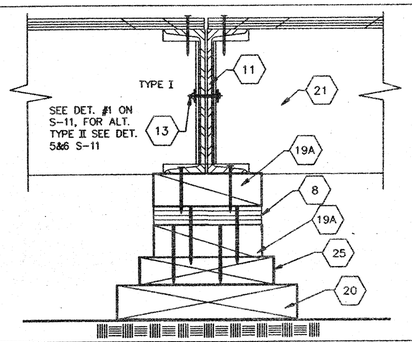


FOUNDATION PLAN @ ADJACENT BUILDING (N.T.S.)

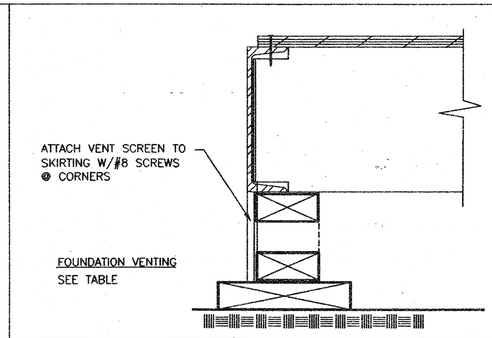
50 P.S.F. FLOOR LIVE LOAD
20 PSF ROOF LOAD



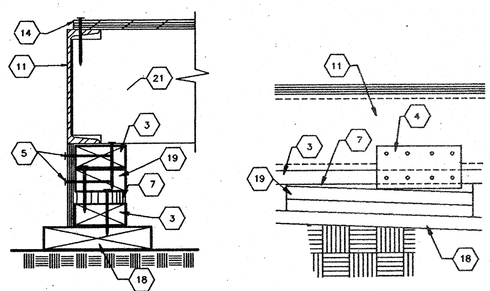
FOUNDATION AT SIDEWALL | 1



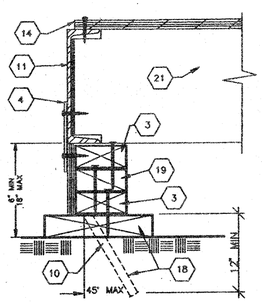
FOUNDATION AT MOD LINE | 3



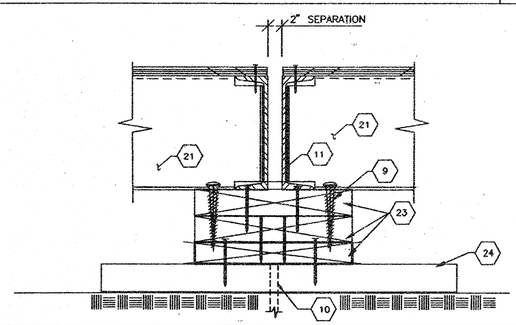
FOUNDATION VENTING | 5



SHIMMING AND SKIRTING (SIDEWALL SHOWN) | 2



FOUNDATION AT ENDWALL | 4



COMMON PAD | 6

KEYNOTES

1 MAXIMUM SOIL BEARING PRESSURE - 1000 PSF.

2 ALL FOUNDATION LUMBER SHALL BE H.F. #2
ALL LUMBER IN CONTACT WITH GRADE SHALL BE STAMPED "FOR GROUND CONTACT"

ALL FOUNDATION NAILS SHALL BE CORROSION RESISTANT PER U.B.C. STANDARD 25. 1717.

3 2X4 CONTINUOUS. INTERNAIL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.

4 TIE PLATE - 12"X6"X 10Ga. PLATE W/ (8) 5/16" HOLES AS SHOWN FOR (4) 1/4"X 3/4" LONG SELF TAP SCREWS INTO CHANNEL & (4) 1/4"X 3" LAG BOLTS. (SEE SCHEDULE 2)

5 5/8" PLYWOOD PERIMETER SKIRTING. NAIL TO FOUNDATION PADS WITH 8d BOX NAILS @ 12" O.C. TOP AND BOTTOM.

6 NOT USED.

7 TAPERED SHIMS - NAIL TO FOUNDATION PADS WITH 16d BOX NAILS @ 12" O.C. NAIL 2X12 FOUNDATION PLATE TO TAPERED SHIMS WITH 16d BOX NAILS @ 12" O.C. STAGGERED ALONG EACH TAPERED SHIM. (PER SLOPE OF GROUND AT SITE)

8 PLYWOOD OR WOOD SHIM - MIN. 8" LONG, MAX. 16" BETWEEN SHIMS. NAIL TO PLATES WITH MIN. (3) 16d BOX NAILS PER SHIM MAX. 1-1/2" SHIM HEIGHT AT ANY LOCATION.

9 11/16" HOLE IN PURLIN FOR 5/8" X 4" LAG BOLT (SEE SCHEDULE 1 FOR AMOUNT)

10 DRIVE 1" DIA. X 15" G.I. PIPE @ 10'-0" O.C. MAX. DRILL SILL PLATE 1-1/4" MAX. PIPE MAY BE DRIVEN AT MAX. 45 ANGLE TO VERTICAL.

11 7"x9.8# STEEL FLOOR CHANNEL.

13 5/8" MACHINE BOLT @ MODULE CONNECTION.

14 PLYWOOD FLOOR DECK. ATTACH PLYWOOD FLOORING TO STEEL CHANNEL WITH #10 X 1 1/2 S.T.S

18 CONTINUOUS 2X8 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X4 BLOCK LOCATION

19 2X4X3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END.

19A 2x6x3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EA. END.

20 CONTINUOUS 2X12 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X8 BLOCK LOCATIONS.

21 FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.

23 CONTINUOUS 2X12X(SEE PLAN). NAIL (2) 16d AT EACH END AND 12" O.C.

24 2X10X24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY 10 AT ENDS & 12 AT INTERIOR)

25 CONTINUOUS 2X8 H.F. PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X6 BLOCK LOCATIONS.

* NOTE:
UBC 2317.7 WHERE MOISTURE DUE TO CLIMATE AND GROUND WATER CONDITIONS IS NOT CONSIDERED EXCESSIVE, THE BUILDING OFFICAL MAY ALLOW OPERABLE LOUVERS AND MAY ALLOW THE REQUIRED NET AREA OF VENT OPENINGS TO BE REDUCED TO 10 PERCENT OF THE REQUIRED AMOUNT, PROVIDED THE UNDER-FLOOR GROUND SURFACE AREA IS COVERED WITH AN APPROVED VAPOR RETARDER.

SCHEDULE 1

LAG SCHEDULE-20 PSF ROOF			REQUIRED VENTS PER BUILDING (SQ.FT.) *
BUILDING SIZE	FLOOR LOAD	LAG BOLTS AT EA. BUILDING	
24'x40'	50 PSF	4	6.4
36'x40'	50 PSF	4	9.6
48'x40'	50 PSF	6	12.8

SCHEDULE 2

FACE PLATE SCHEDULE-20 PSF ROOF				
BUILDING SIZE	FLOOR LOAD	FACE PLATES AT SIDES	FACE PLATES AT ENDS	TOTAL
24'x40'	50 PSF	4	7	22
36'x40'	50 PSF	5	6	22
48'x40'	50 PSF	7	7	28

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

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

STATE AGENCY APPROVAL

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
AC. FLS SS
DATE 6/28/2016

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
4 100118
AC. FLS SS
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
100073
AC. FLS SS
DATE JAN 15 1998

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
WOOD FOUNDATION

JOB #

DATE 1-9-98
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

SHEET NO.
F-1

CLASS LEASING, LLC.

1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

3.01 CARPENTRY:

1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.

2. Workmanship:
   a) FRAMING: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one piece. Trim sealed at all edges.

   b) NAILING: In accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.

   c) Machine applied nailing shall have prior demonstration and approved by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.

   d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

4.01 MATERIAL SPECIFICATIONS:

1. Structural framing shall be Hem Fir- Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir South is not allowed.) Each piece shall be grade marked and no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2
2. Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-07. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' panels- minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24" at roofs and floors and 12" at walls.
3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-2012 & 2012 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 2012 NDS.
   Bolt holes shall be 1/32 to 1/16 inch larger than bold diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.
4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2012 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 11J in NDS
5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.
6. Wood screws shall conform to ANSI/ASME Standard B18.6.1 and the requirements of the 2012 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 11L in NDS.
7. Wood members shall be cut or notched only as shown on structural drawings.
8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.
9. Structural nailing shall be with BOX NAILS per all requirements of 2012 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)
10. Nail equivalence:
    (provide minimum nail lengths as required for specified penetration, TYPICAL: U.N.O.)

    6d equals .113" DIA. - provide 1.38" minimum point penetration
    8d equals .131" DIA. - provide 1.57" minimum point penetration

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members that comply with CBC 2303.1.8.1. All foundation members shall be marked as "For ground contact" or "For above ground use" as appropriate. Pressure treated material shall comply with AWPA Standard U1 as required by CBC 2303.1.8. 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.
12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.
13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer or Architect and the Division of the State Architect.
14. Fasteners for pressure-preservative treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.
15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1.1 of CBC.
16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).
17. Used lumber in good condition is acceptable for use in foundation system.
18. Tie plates shall conform to A-1011 Grade 33.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

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

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

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

6.01 TEST AND INSTALLATION:

1. Provide Electrical Grounding Test per DSA IR E-1.
2. Field Welding for welded tie plate option. (If used, requires Test and Inspection.)

   The example form DSA 103's shown on this sheet are for illustration purposes only.
   A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103's are to be crossed out on this drawing.
3. No other tests and inspections are required.

SPECIFICATIONS
RELOCATABLE CLASSROOMS

1.01 GENERAL REQUIREMENTS:

1. The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.
2. Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.

1.02 SCOPE OF WORK:

1. The work consists of installing on-site, modular Relocatable buildings as defined herein, shown and detailed on the drawings.
2. All requirements of CCR (California Code of Regulation) Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:
   a) General responsible charge of Field Administration by the Architect of Record.
   b) Inspection during the course of construction by an inspector approved by DSA (Division of the State Architect) and the District Architect. The inspector shall be responsible for and approved to inspect the general construction, welding, mechanical and electrical work. Cost of these inspections shall be borne by the School District.
   c) On site inspection of the building installation, electrical and utility of the building installation or connection by an inspector approved by the DSA and retained by the School District.
   d) Other special tests or inspections as may be required by DSA.
   Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

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

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

2.01 SITE ASSEMBLY:

1. Scope of Work: Contractor shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

   The condition of the site, such as drainage and soil bearing capacity, shall be the responsibility of the School District and the District Architect.

2. Assembly of Elements:
   a) In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.
   b) The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping.
   c) Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.

DSA DEPARTMENT OF GENERAL SERVICES

DSA-103 (rev 12/2013)
Statement of Structural Tests & Special Inspections - 2013 CBC

DSA/SS/CC # | DSA File No.: | Application No.: | Date Submitted: | Revised: | Revised:

Select Status: SAMPLE: FOR WELD PLATE OPTION ONLY | Status:

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all items of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Refer. A minus (-) on a category or subcategory heading indicates that it can be unchecked. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-IR/INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

DSA/SS	DSA/SS/CC	TEST OR SPECIAL INSPECTION	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	CODE REFERENCE AND NOTES
		+ SOILS				
		+ CONCRETE				Table 1705A.3
		+ MASONRY				TMS 402-13/ACI 530-13/ASCE 5-13 Table 1.18.3
		- STEEL				Table 1705A.2.1
		17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES				
		Material Verification:				
X		a. Verify that all materials are appropriately marked and that mill certificates indicate complete properties and comply with requirements. (Structural steel, bolts and anchor rods with requirements)	Periodic	*		* By special inspector when performed off-site by project inspector for steel shipped directly to project site without welding or fabrication.
X		b. Test undocumented materials	Test	Lab		ASTM A370, ASTM A673, ASTM A370
		Inspection:				
X		c. Verify weather locations, backing and all details constructed in the field.	Continuous	PI		
X		e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI		
-		19. WELDING:				DSA IR 17-5, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
		Verification of Materials, Equipment, Welders, etc:				
X		a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI		
X		b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI		
X		c. Verify WPQ, welder qualifications and ID number.	Periodic	SI		DSA IR 17-5.
-		19.2 FIELD WELDING:				
X		b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI		Per AWS D1.1 and AISC 341 as applicable), DSA IR 17-5.
		+ WOOD				
		+ OTHER				

1 Field Welding Inspection: Special Inspection Verified Report - Form DSA-103

KEY to Columns

1 Type -	2 Performed By -
Continuous – Indicates that a continuous special inspection is required	SI – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic – Indicates that a periodic special inspection is required	Lab – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test – Indicates that a test is required	PI – Indicates that the special inspection is to be performed by the project inspector
	SI – Indicates that the special inspection is to be performed by a special inspector

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-117035
AC. FLS SS
DATE 6/27/2016

APPLICABLE BUILDING CODES

ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2013 CBC

2013 CALIFORNIA CODE OF REGULATIONS (CCR) As of January 01, 2014*
-2013 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE PART 1, TITLE 2
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR
(2011 NATIONAL ELECTRICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR
(2012 UNIFORM MECHANICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR
(2012 UNIFORM PLUMBING CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, CCR*

-2013 CALIFORNIA FIRE CODE PART 9, TITLE 24, CCR
(2012 INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)

-2013 CALIFORNIA REFERENCED STANDARDS CODE PART 12, TITLE 24, CCR

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED =120 MPH (V) (3 SECOND GUST), K zt = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = 2012 IBC AND CBC 2013

SEISMIC DESIGN DATA: MOMENT FRAME PC'S
Basic Seismic-Force-Resisting System = STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING = 9460 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14100 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18920 # (Roof, Floor, Walls & Partitions)
I: = 1.0 Cs= 0.411 R: = 3.5 SITE CLASS = D
Sds = 2.7 mapped value / 0.6 Sa = 2.16 (For Design)
Sds = 1.44 (Site Specific Documentation Justifying SDS Shall Be Submitted To DSA Prior
Sd = 1.3 per CBC Figure 1615A.5(2) To Approval)
RISK CATEGORY = II

SEISMIC DESIGN DATA: SHEAR WALL PC'S
Basic Seismic-Force-Resisting System = WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE
Seismic Design Category = E (per CBC Section 1613A.5.6)
Design Base Shear: 24x40 BUILDING = 9460 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING = 14100 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING = 18920 # (Roof, Floor, Walls & Partitions)
I: = 1.0 Cs= 0.222 R: = 6.5 SITE CLASS = D p = 1.3
Sds = 2.7 mapped value / 0.6 Sa = 2.16 (For Design)
Sds = 1.44 (Site Specific Documentation Justifying SDS Shall Be Submitted To DSA Prior
Sd = 1.3 per CBC Figure 1615A.5(2) Sds = 1.3 To Approval)
RISK CATEGORY = II

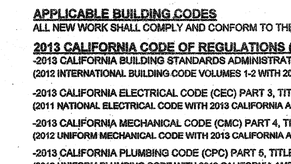
FLOOD DESIGN DATA: Project is not located in a flood zone.

LIMITATIONS FOUNDATION PC ONLY:

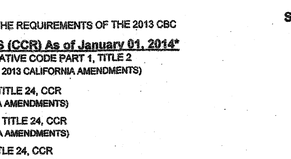
FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

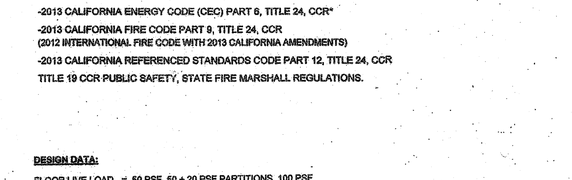
1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
   WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
   WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING.
   (HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: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



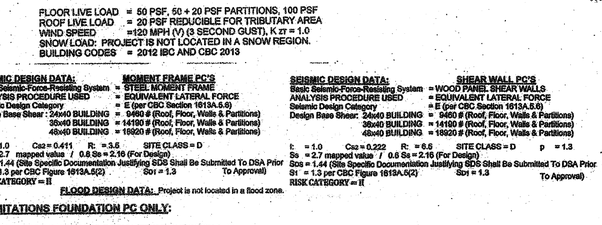
SHEAR WALL-DUAL SLOPE PC-247



SHEAR WALL-DUAL SLOPE TYPICAL



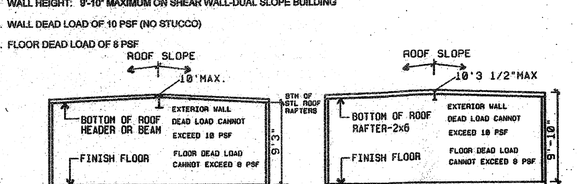
SHEAR WALL-SIDE WALL 1/8"=1'-0"



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

REVISED 1/29/15

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-113776
AC. DL FLS SS
DATE JAN 29 2015
ACS: D.PENLAGSON
PLS: D.PENLAGSON
SSS: EWJ



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

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

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

SHEET INDEX: STOCKPILE BUILDING FOUNDATION– 2013 CODE UPDATE

F1.0	COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX	
F2.0	24x40 50 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F2.1	24x40 50+20 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F3.0	36x40 50 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F3.1	36x40 50+20 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F3.2	36x40 100 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F4.0	48x40 50 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F4.1	48x40 50+20 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD
F4.2	48x40 100 PSF	FOUNDATION PLAN AND DETAILS, ADJACENT BUILDING PAD

SHEET INDEX:
BELOW GRADE CONCRETE FOUNDATION DESIGNED FOR MODTECH BUILDINGS ONLY

C1.0	COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX	
C2.0	24 x 40 - 50 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C2.1	24 x 40 - 50+20 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C3.0	36 x 40 - 50 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C3.1	36 x 40 - 50+20 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C3.2	36 x 40 - 100 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C4.0	48 x 40 - 50 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C4.1	48 x 40 - 50+20 PSF	CONCRETE FOUNDATION PLAN & DETAILS, ADJACENT BUILDING PAD
C4.2	48 x 40 - 100 PSF	CONCRETE 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 - 24 x 40 SHEAR WALL

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP 1029	80643	SHR	10-21-1988	24 x 40	50+20#	MODTECH
STKP 02	52512	46138-SHR	11-06-1989	24 x 40	50#	MODTECH
STKP 01	52513	46750-SHR	11-06-1989	24 x 40	50#	MODTECH
STKP 03	52514	SHR	11-06-1989	24 x 40	50#	MODTECH
STKP 05	52516	45400-SHR	12-07-1989	24 x 40	50#	AURORA
STKP 04	52515	SIM PC 29 SHR	12-07-1989	24 x 40	50#	MODTECH
STKP 22	55113	PC 80	10-05-1990	24 x 40	50#	MODTECH
STKP 24	55880	PC 96	06-14-1994	24 x 40	50#	MODTECH
STKP 13	61967	PC 247	08-29-1994	24 x 40	50#	MODTECH
STKP 77	67970	PC 247	11-10-1997	24 x 40	50#	MODTECH

BUILDING DATA - 24 x 40 RIGID FRAME

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP 11	52482	MRF	06-13-1991	24 x 40	50+20#	MODTECH
STKP 20	55031	PC 79	09-18-1990	24 x 40	50#	MODTECH
STKP 21	55032	PC 79	09-19-1990	24 x 40	50#	MODTECH
STKP 23	55347	PC 79	11-26-1990	24 x 40	50#	MODTECH
STKP SW	57194	PC 79	11-08-1991	24 x 40	50+20#	MODTECH
STKP 14	57679	PC 96	03-19-1992	24 x 40	50#	MODTECH
STKP 18	63288	PC 243	05-04-1995	24 x 40	50#	MODTECH
STKP 19	63321	PC 242	05-11-1995	24 x 40	50#	MODTECH
STKP 27	65493	PC 266	07-31-1996	24 x 40	50#	MODTECH
STKP 31	66318	PC 266	11-12-1996	24 x 40	50+20#	MODTECH
STKP 33	67333	PC 269	03-11-1997	24 x 40	50#	MODTECH
STKP 35	04-100117	PC 266	01-15-1998	24 x 40	50+20#	MODTECH
STKP 39	04-100595	PC 275	08-10-1998	24 x 40	50+20#	MODTECH
STKP 37	04-100598	PC 266	08-10-1998	24 x 40	50+20#	MODTECH
STKP 40	04-100690	PC 282	09-03-1998	24 x 40	50+20#	MODTECH
STKP 42	04-100929	PC 266	01-07-1999	24 x 40	50+20#	MODTECH
STKP 43	04-101555	PC 275	09-09-1999	24 x 40	50#	MODTECH
STKP 44	04-101602	PC 266	09-30-1999	24 x 40	50+20#	MODTECH
STKP 48	04-101768	PC 101268	12-16-1999	24 x 40	50#	MODTECH
STKP 51	04-102015	PC 101268	03-16-2000	24 x 40	50# /*50+20#	MODTECH
STKP 53	04-102365	PC 101268	07-06-2000	24 x 40	50+20#	MODTECH
STKP 56	04-102834	PC 101268	12-21-2000	24 x 40	50#	MODTECH
STKP 62	04-104169	PC 101268	04-18-2002	24 x 40	50+20#	MODTECH
STKP 67	04-104812	PC 101268	12-05-2002	24 x 40	50+20#	MODTECH
STKP 70	04-105299	PC 104801	05-22-2003	24 x 40	50+20#	MODTECH
STKP 75	04-110431	PC 04-105337	06-05-2003	24 x 40	50#	MODTECH
STKP 76	04-105455	PC 04-104796	07-17-2003	24 x 40	50#	MODTECH
STKP 78	04-109208	PC 108884	12-03-2007	24 x 40	50#	CURRENT/SMI
STKP 107	66965	PC 266	05-24-1996	24 x 40	50#	MODTECH
STKP 109	66341	PC 275	05-20-1999	24 x 40	50#	MODTECH
STKP 110	04-100118	PC 04-100073	01-16-1998	24 x 40	50#	MSI
STKP 111	04-101984	PC 04-101419	03-09-2000	24 x 40	50#	MODTECH
STKP 112	04-104082	PC 04-101419	03-21-2002	24 x 40	50#	MODTECH
STKP 113	04-104310	PC 04-101419	06-02-2002	24 x 40	50#	MODTECH
STKP 114	04-105455	PC 04-104796	07-17-2003	24 x 40	50#	MODTECH
STKP 130	04-101527	PC 270	09-12-1999	24 x 40	50# /50+20#	MODTECH
STKP 131	04-104946	PC 04-101419	01-23-2003	24 x 40	50# /50+20#	MODTECH

BUILDING DATA - 36 x 40 RIGID FRAME

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP SW	57194	PC 79	11-08-1991	38 x 40	70#	MODTECH
STKP 32	66319	PC 266	11-12-1996	36 x 40	50+20#	MODTECH
STKP 34	67332	PC 266	03-11-1997	36 x 40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10-07-1999	36 x 40	50+20#	MODTECH
STKP 51	04-113121	PC 04-102015	09-12-2013	36 x 40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	03-01-2001	36 x 40	50#	MODTECH
STKP 66	04-104441	PC 101268	07-11-2002	36 x 40	50+20#	MODTECH
STKP 71	04-106-619	PC 104801	07-29-2004	36 x 40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03-01-2007	36 x 40	100#	MODTECH
STKP 85	04-111101	PC 79	06-03-2010	36 x 40	50+20#	MODTECH
STKP 104	04-113688	A-58118	05-01-2014	36 x 40	50+20#	MODTECH

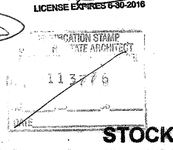
BUILDING DATA - 48 x 40 RIGID FRAME

STKP #	DSA #	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG
STKP SW	57194	PC 79	11-08-1991	48 x 40	100#	MODTECH
STKP SW	57194	PC 79	11-08-1991	48 x 40	70#	MODTECH
STKP 17	63289	PC 243	05-04-1995	48 x 40	50+20#	MODTECH
STKP 41	04-100797	PC 266	10-22-1998	48 x 40	50+20#	MODTECH
STKP 46	04-101617	PC 101268	10-07-1999	48 x 40	50+20#	MODTECH
STKP 63	04-104170	PC 101268	04-18-2002	48 x 40	50+20#	MODTECH
STKP 96	04-113418	PC 79/57194	01-30-2014	48 x 40	50+20#	MODTECH
STKP 105	04-113644	PC 04-101268	04-10-2014	48 x 40	50+20#	MODTECH

DATE SIGNED SEP 30 2014

LICENSE EXPIRES 6-30-2016

DATE SIGNED JAN 28 2015



LICENSE EXPIRES 6-30-2016

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-113776
AC. FLS SS
DATE OCT 08 2014
ACS: D.PENLAGSON
PLS: D.PENLAGSON
SSS: P.LONES

STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

DESIGNER	DATE	BY
1	JAN 2015	CL
ADD STKP 130/#131		
TO SITE PLAN		
NOTE CHANGE C1.0		

CLASS LEASING, LLC

Class Leasing, LLC
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

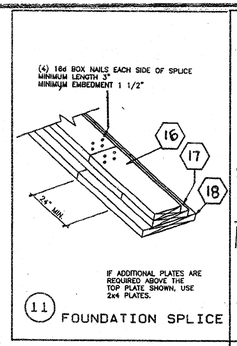
CLASS LEASING, LLC. PC
FOUNDATION PLANS AND DETAILS
STOCKPILE CLASSROOMS RELOCATION

DATE 09-29-2014
SCALE
DRAWN LAM-CLLS
JOB
SHEET F1.0

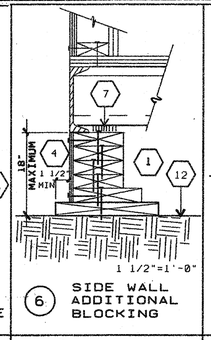
DAYLIGHT CORP. 700 SO. CLAREMONT ST. SAN MATEO, CA. 94402

STOCKDRAFTING FORM NO. 101-04

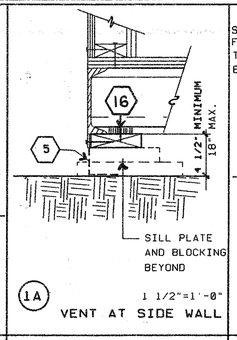
© Class Leasing LLC. 2014



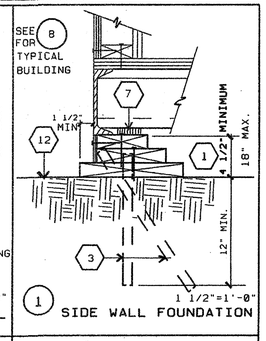
11 FOUNDATION SPLICE



6 SIDE WALL ADDITIONAL BLOCKING



1A VENT AT SIDE WALL

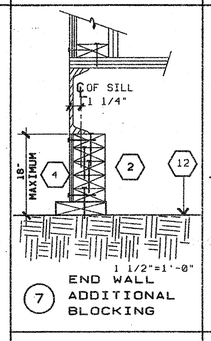


1 SIDE WALL FOUNDATION

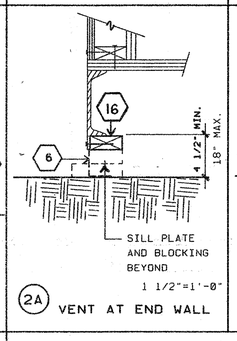
TYPICAL: NAILING (1) 16d BOX AT 4" O.C.

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

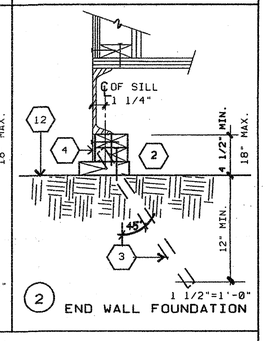
MINIMUM 8-16d PER BLOCK OR PLATE



7 END WALL ADDITIONAL BLOCKING

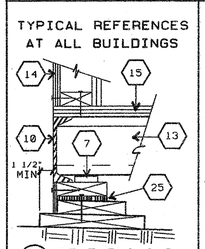


2A VENT AT END WALL

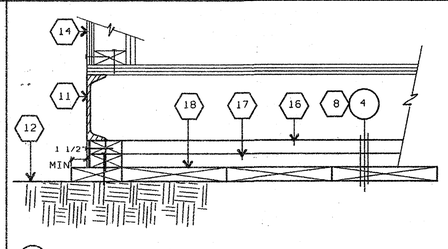


2 END WALL FOUNDATION

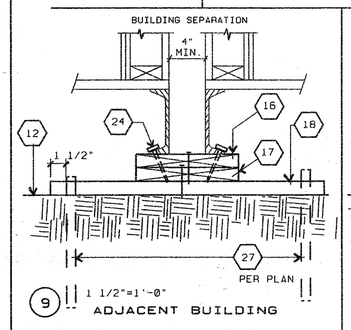
TYPICAL REFERENCES AT ALL BUILDINGS



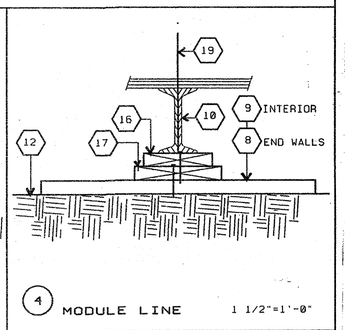
8 LEVELING SHIM WHEN REQUIRED



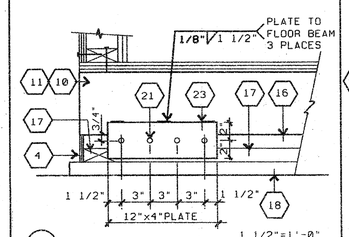
3 SECTION FND AT MODULE LINE



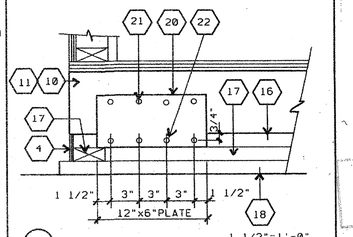
9 ADJACENT BUILDING



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



10 WELDED TIE PLATE-OPTION



5 FOUNDATION TIE PLATE

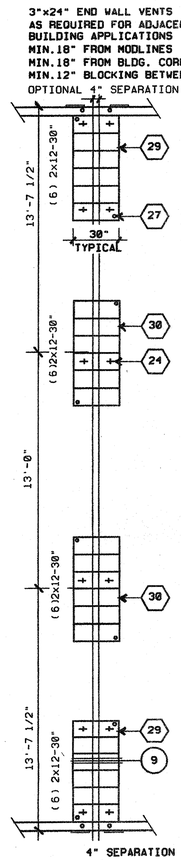
3"x24" END WALL VENTS
AS REQUIRED FOR ADJACENT BUILDING APPLICATIONS
MIN.18" FROM MODLINES
MIN.18" FROM BLDG. CORNER
MIN.12" BLOCKING BETWEEN VENTS

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

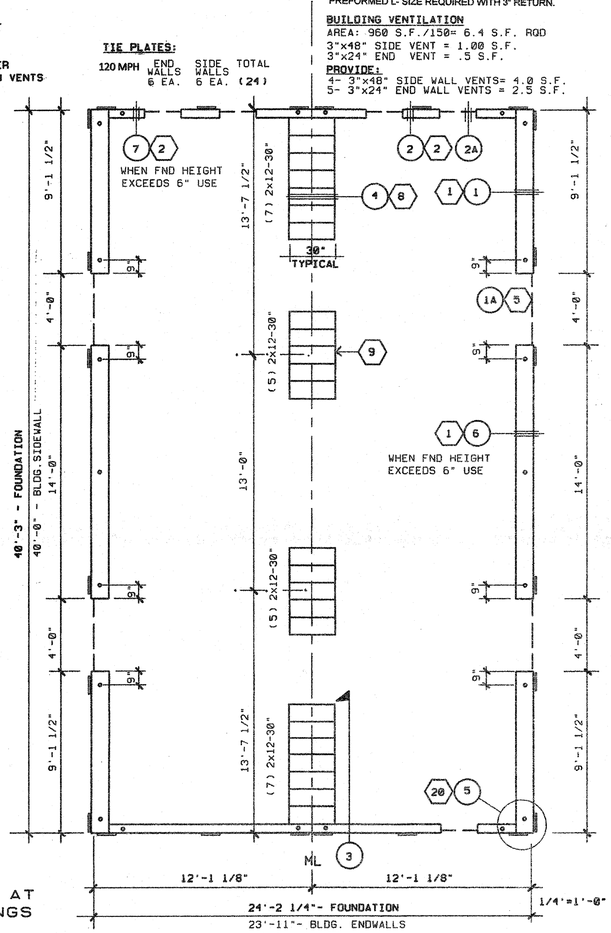
BUILDING VENTILATION
AREA: 960 S.F./150= 6.4 S.F. REQD
3"x48" SIDE VENT = 1.00 S.F.
3"x24" END VENT = .5 S.F.
PROVIDE:
4- 3"x48" SIDE WALL VENTS= 4.0 S.F.
5- 3"x24" END WALL VENTS = 2.5 S.F.

TIE PLATES:

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



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



TYPICAL 24x40 FOUNDATION PLAN 50+20-PSF
1/4"=1'-0"

KEY NOTES 24x40- 50+20 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 4'-0" 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: (7) 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: (5) 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" x10 GA

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

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

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

24 BUILDING ANCHORAGE: 6- 5/8"x4" LAGS 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" CUTOUT 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:** 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) WITH SILL RESTRAINT PER PLAN AND NOTE 24.

FOUNDATION AT BUILDING SEPARATION / INTERIOR WALL

30 **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: (8) 2x12X30" (PT) WITH SILL RESTRAINT PER PLAN AND NOTE 24.

GENERAL NOTES

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

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

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

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

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

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

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

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

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

AGENCY TRACKING NO. 63321-154
FILE NO. 15-6

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03-117035
AC ✓ FLS ✓ SS
DATE 6/28/2016

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

DATE SIGNED SEP 30 2014

REGISTERED PROFESSIONAL ENGINEER JAMES A. SIMPSON No. 36021 STRUCTURAL STATE OF CALIFORNIA

LICENSE EXPIRES 6-30-2016

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OFFICE OF REGULATION SERVICES
PC 04-113776
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DATE OCT 08 2014

24x40 - 50+20 PSF STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

CLASS LEASING LLC

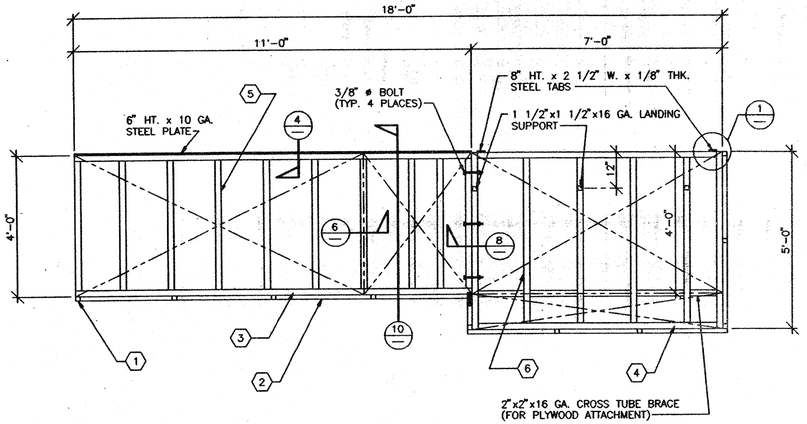
Class Leasing, LLC
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
24x40 - 50+20 PSF RELOCATION
FOUNDATION PLAN & DETAILS

DATE 09-29-2014
SCALE
DRAWN LAM-CLLS
JOB 24x40 50+20 PSF
SHEET F2.1

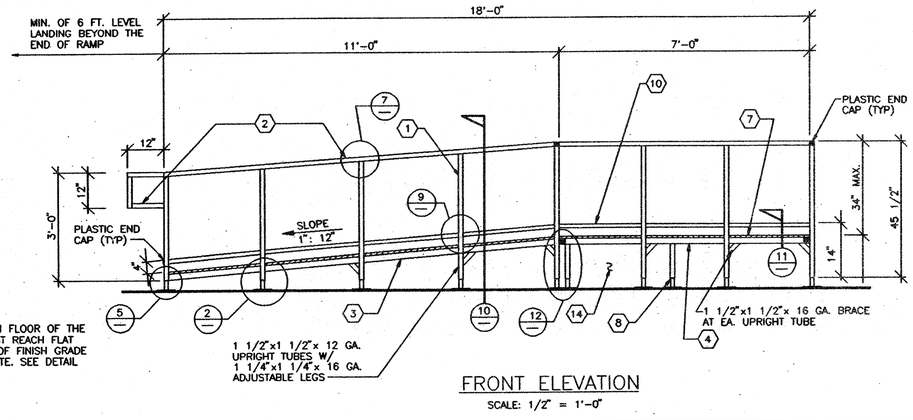
© Class Leasing LLC. 2014

DATAPRINT CORP. 700 BG. CLARENDON ST. SAN MATEO, CA 94402
STOCKDRAFTING FORM NO. 101-54



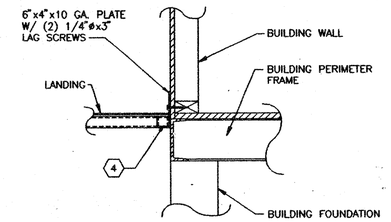
FRAMING PLAN

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

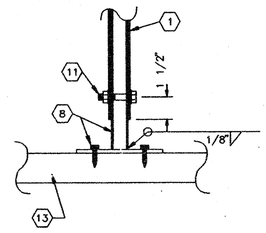


FRONT ELEVATION

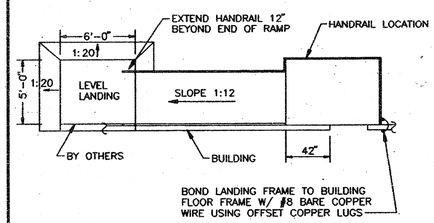
SCALE: 1/2" = 1'-0"



LANDING TO BUILDING 1



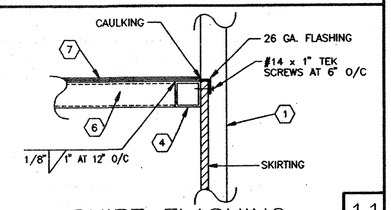
BASE 2



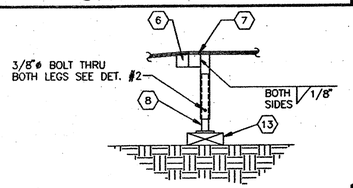
HANDRAIL LOCATIONS 3

KEY NOTES

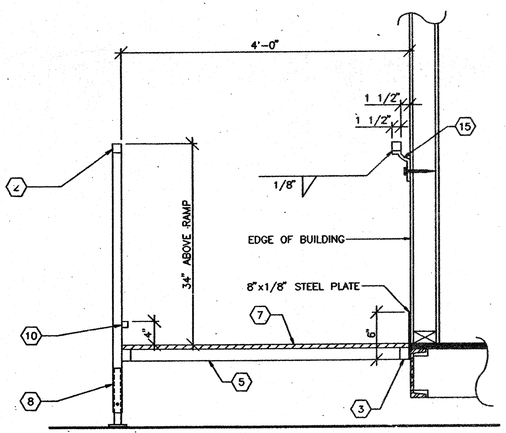
1. UPRIGHT TUBE – 1 1/2" x 1 1/2" x 12 GA. SQ. TUBE. (Fy = 39 ksi)
2. HANDRAIL TUBE – 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE. (Fy = 39 ksi)
3. RAMP PERIMETER TUBE – 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE
4. LANDING PERIMETER TUBE – 2" x 2" x 16 GA. SQ. TUBE
5. RAMP CROSS TUBE – 1 1/2" x 1 1/2" x 16 GA. SQ. TUBE
6. LANDING CROSS TUBE – 2" x 2" x 16 GA. SQ. TUBE
7. 3/4" PLYWOOD DECK W/ NON SKID SURFACE (TUF TREAD OR EQUAL)
8. ADJUSTABLE LEGS – 1 1/4" x 1 1/4" 16 GA. SQ. TUBE W/ 3"x6"x1/4" THK. BASE PLATE WELDED TO LEG BASE PLATE TO HAVE (2) 5/16" HOLES FOR 1/4" LAG BOLTS.
9. SUPPORT PLATE – 1 1/4" x 1 1/8" THICK PLATE
10. WHEELCHAIR RAIL – 1" x 1" SQ. TUBE TACK WELDED TO UPRIGHT MEMBERS.
11. 3/8" DIA. MACHINE BOLTS.
12. 6"X10"X10GA. PLATE W/ (2) 1/4"øX3" LAG SCREWS.
13. CONT. SILL PLATE 2x6 P.T.H.F.
14. SKIRTING – SAME AS BUILDING FINISH
15. HANDRAIL MOUNTING BRACKET W/ 3/8"ø x 4" LAG BOLT TO STUD OR BLOCK.
16. DRIVE 1" DIA. x 15" G.I. PIPE AT 10'-0" MAX. DRILL SILL PLATE 1 1/2" DIA. MAX. HOLE. PIPE MAY BE DRIVEN AT A MAX. OF 45° ANGLE W/ VERTICAL.
17. THE STRENGTH OF STEEL TUBES IS 46000 PSI OR HIGHER.



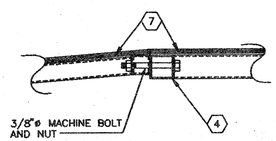
SKIRT FLASHING 11



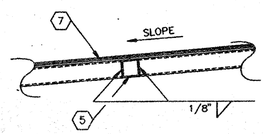
BASE LEG 12



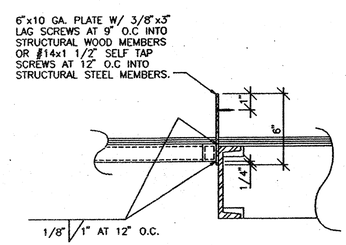
SECTION AT RAMP 10



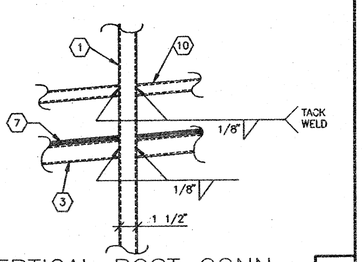
RAMP / LANDING TRANSITION 8



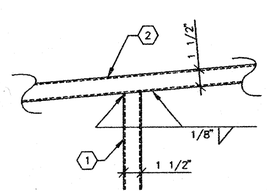
DECK & JOIST CONN. 6



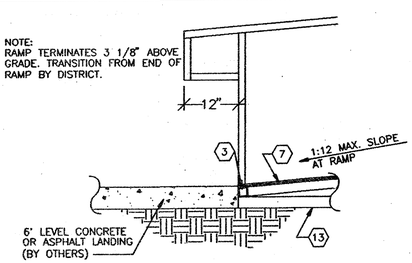
RAMP TO BUILDING 4



VERTICAL POST CONN. 9



POST TO HANDRAIL 7



CONC. LANDING TO RAMP 5

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ARCHITECT APPROVAL

STRUCTURAL ENGINEERS STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No 38021 EXP 6-30-98 STATE OF CALIFORNIA CIVIL

LICENSE EXPIRES 6-30-98

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4 100118
AC FLS 98
DATE JAN 15 1998

STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
1 100073
AC FLS 98
DATE JAN 15 1998

MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA, 92507
PHONE: (909) 788-3535 FAX: (909) 788-1523

PC-100073

PROJECT
24'X40', 36'X40', & 48'X40'
MODULAR CLASSROOM BUILDING

TITLE
RAMP & LANDING PLANS & DETAILS

JOB #

DATE 1-9-98

DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
R-1