1" = 40'-0"

1" = 30'-0"

1" = 20'-0"

1/8" = 1'-0"

1/4" = 1'-0"

CESAR CHAVEZ ELEMENTARY SCHOOL
3 RELOCATABLE BUILDINGS
BAKERSFIELD CITY SCHOOL DISTRICT
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

BATCH PLANT INSPECTION IS NOT REQUIRED

THE CONCRETE PLAN COMPLIES FULLY WITH THE REQUIREMENT OF ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATE FROM THE NATIONAL READY MIXED CONCRETE ASSOCIATION OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLAN HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES

NOTE:

THIS PROJECT, DSA APPL.#03-126270 MAY NOT BE CLOSED WITH CERTIFICATION UNTIL PROJECT, DSA APPL.#03-126207 IS CLOSED AND CERTIFIED.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2025 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS
2. CHANGES MADE TO THE APPROVED DRAWINGS AND SPECS SHALL BE MADE BY ADDENDUM OR C.C.D., APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
3. REFER TO RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS FOR ALL PERTINENT INFORMATION.
4. DSA ACCEPTED TESTING LABORATORY TO BE DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT
5. THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
6. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROADS AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
7. THE FOLLOWING DOCUMENTS SHALL BE ON THE JOBSITE PRIOR TO INSTALLATION OF UNITS:
   A. IN-PLAN VERIFIED REPORT
   B. LABORATORY VERIFIED REPORT
   C. WELDING VERIFIED REPORT
   THE SITE INSPECTOR SHALL VERIFY THE ABOVE DOCUMENTS AND SERIAL NUMBERS ARE APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNITS. NOTIFY ARCHITECT AND DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.
8. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
9. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
10. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC & CFC FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
11. IF ANY CONDITION IS DISCOVERED, WHICH IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH THE CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT (CCD), OR SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK, SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THAT REPAIR WORK.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

APPLICABLE CODES:

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2025*

- 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR.
- 2025 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR (2021 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, & 2019 CALIFORNIA AMENDMENTS).
- 2025 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2023 NATIONAL ELECTRICAL CODE & 2025 CALIFORNIA AMENDMENTS).
- 2025 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2018 IAPMO UNIFORM MECHANICAL CODE & 2019 CALIFORNIA AMENDMENTS).
- 2025 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 IAPMO UNIFORM PLUMBING CODE & 2021 CALIFORNIA AMENDMENTS).
- 2025 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR.
- 2025 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE & 2021 CALIFORNIA AMENDMENTS).
- 2025 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2024 INTERNATIONAL EXISTING BUILDING CODE & 2019 CALIFORNIA AMENDMENTS).
- 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR.
- 2025 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 2025 NFPA-72 NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)
- 2025 NFPA-80 STANDARD FOR FIRE DOORS & OTHER OPENING PROTECTIVES
- 2025 UL-464 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM & SIGNALING SYSTEMS, INCLUDING ACCESSORIES
- 2025 UL-521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEM
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- 2018 (R2010) UL-1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED
- FOR A LIST OF APPLICABLE STANDARDS. INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

PROJECT DIRECTORY

OWNER:
DR. KARLING AGUILERA-FORT,
SUPERINTENDENT
BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST.
BAKERSFIELD, CA 93305
TEL: 559-457-3074
EMAIL : aguileraforktk@bcsd.com

ARCHITECT:
CURTIS FLYNN
INTEGRATED DESIGNS by SOMAM, Inc.
6011 N. FRESNO SUITE #130
FRESNO, CA 93710
TEL: 559-436-0881 ,FAX. 559-436-0887
EMAIL: cflynn@somam.com

CIVIL ENGINEER
FREDDY PORTER
FREDDY PORTER & ASSOCIATES
1200 21ST STREET
BAKERSFIELD, CA 93301
TEL: 661-327-0362
EMAIL: fred2@portercivil.com

ELECTRICAL ENGINEER:
STEVE EASTHAM
ROSE, SING, EASTHAM & ASSOCIATES
131 S. DUNWORTH ST.
VISALIA, CA 93292-6705
TEL: 559-733-2671

MODULAR BUILDING MANUFACTURER:
WILSCOT
FIL CARRILLO
195 E. MORGAN ST.
PERRIS, CA 92571
TEL: 800-782-1500

INSPECTOR OF RECORD

THIS PROJECT REQUIRES A CLASS 3 INSPECTOR FOR RELO INSTALLATION AND RBIP FOR IN PLANT. THE INSPECTOR OF RECORD SHALL BE DSA APPROVED AND CONFORM TO THE CLASSIFICATION CRITERIA AS PROVIDED IN INTERPRETATION OF REGULATIONS (IR) A-7, DATED SEPTEMBER 18, 2007.

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

A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

SEISMIC DESIGN

WIND DESIGN DATA (2025 CBC 1603A.1.4)

1. ULTIMATE DESIGN WIND SPEED
   A. MODULAR BUILDINGS V = 94MPH
2. RISK CATEGORY II
3. WIND EXPOSURE CATEGORY C
4. INTERNAL PRESSURE COEFFICIENT ±0.18
5. ENCLOSURE CLASSIFICATION ENCLOSED

EARTHQUAKE DESIGN DATA (2025 CBC 1603A.1.5)

SITE COORDINATES: 36.8271457'N, –119.8638017'W
1. RISK CATEGORY II
2. SEISMIC IMPORTANCE FACTOR Ie = 1.0
3. MAPPED STRUCTURAL RESPONSE ACCELERATION PARAMETERS
   SS = .71g S1 = 0.23g
4. SITE CLASS D – DEFAULT
5. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS
   SDS = 0.66g S1 = .23

GEOTECHNICAL INFORMATION (2025 CBC 1603.1.6)

1. ALLOWABLE SOIL BEARING PRESSURE = 1,000 PSF

CLIMATE ZONE: 13

DSA NOTES

- WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE, AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
- TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
- ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
- THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING.
- CONTRACTOR SHALL COMPLY WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

SYMBOLS

SECTION KEY
A / A3.03 — SECTION IDENTIFICATION / SHEET NUMBER

DETAIL KEY
1 / A2.01 — DETAIL NUMBER / SHEET NUMBER

INTERIOR ELEVATION KEY
A, B, C, D — ELEVATION DIRECTION
1 — ELEVATION IDENTIFICATION
A5.01 — SHEET NUMBER

ELEVATION DATUM
+1'-0" — INDICATES HEIGHT IN RELATION TO 0'-0"

ROOM NUMBER/FINISH TAG
OFFICE — ROOM NAME
100 — ROOM NUMBER

A — WINDOW SCHEDULE KEY

1 — KEYNOTE SCHEDULE KEY

201 — DOOR SCHEDULE KEY

CALIFORNIA ENERGY CODE

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, & PROCESS EQUIPMENT AFTER INSTALLATION & BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING & IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE & PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, & DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION / INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM & PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

SCOPE OF WORK

- RELOCATION (3) 24'x40' CLASSROOM BUILDINGS, FROM STOCKPILE DSA APP#04-101403, 04-105453, & 04-101817, AND CONSTRUCTION OF UTILITY SERVICES (BLDG 35, 36, & 37)
- INFRASTRUCTURE IMPROVEMENTS FOR CLASSROOM BUILDINGS
- NEW FENCING, GATES & LANDSCAPE.
- NO DEFERRED SUBMITTALS

ARCHITECT STATEMENT

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

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

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

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

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 4-334 OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 [b]).

APPLICABLE:

☒ CIVIL ☒ ELECTRICAL ☒ PLUMBING ☒ MODULAR BUILDING MANUFACTURE

I FIND THAT:
☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
☐ THIS DRAWING OR PAGE
☒ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND
☒ HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

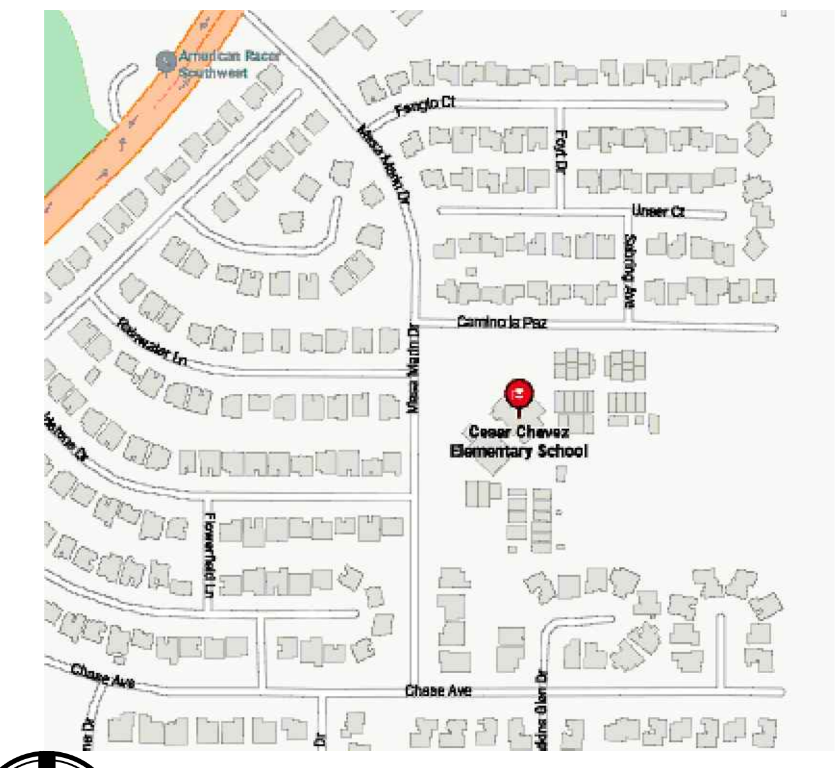
SIGNATURE OF THE ARCHITECT/ENGINEER
NAME, TITLE, AFFILIATION

DATE: 07/01/26

LICENSED NUMBER: C–28966

EXPIRATION DATE: 05/31/27

VICINITY MAP



CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR. BAKERSFIELD, CA 93306

RAMP NOTE

- THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED OR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET, STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

SHEET INDEX

SHT. NO.	DESCRIPTION
	GENERAL
T1.00	TITLE SHEET
	1 SHEET
	CIVIL
C1.0	GRADING PLAN KEY MAP
C1.1	GRADING PLAN NORTH HALF
C1.2	GRADING PLAN SOUTH HALF
C1.3	GRADING PLAN NOTES
C2.0	NOT USED
	4 SHEETS
	ARCHITECTURAL
A1.00	FIRE AUTHORITY SITE PLAN
A1.02	ENLARGED DEMOLITION SITE PLAN
A1.03	ENLARGED SITE PLAN
A1.04	SITE DETAILS
A1.05	SITE DETAILS
	5 SHEETS
	PLUMBING
P0.01	GENERAL NOTES - DETAILS
P0.21	SPECS
P1.21	PLUMBING SITE PLAN
	3 SHEETS
	ELECTRICAL
EG1.00	ELEC. SYMBOLS, CODES & NOTES
EG1.01	ELECTRICAL POWER DISTRIBUTION
ES1.00	SITE ELECTRICAL PLAN
ES1.01	ENLARGED SITE ELEC. PLAN
E1.00	FIRE ALARM PLAN
E1.01	F.A. SYSTEM SPEC, CODES AND NOTES
E1.02	F.A. SYSTEM RISER DIAGRAM
E1.03	F.A. DETAILS AND CALCS.
E2.00	SIGNALS PLAN
E3.00	ONE LINE DIAGRAM
E3.01	DETAILS
	11 SHEETS
	BUILDING 35 MSI MODULAR STRUCTURES INT. INC. #04-101403 (2BB6326-27)
35-T	TITLE SHEET AND BUILDING DATA
35-A-1-24	FLOOR PLAN & EXTERIOR ELEVATIONS
35-A-2-24	EXTERIOR ELEVATIONS (DUAL PITCH ROOF)
35-A-3-24	ROOF PLANS (MONO AND DUAL PITCH)
35-S-11	FLOOR CONSTRUCTION DETAILS
35-S-30	GENERAL INTERIOR AND EXTERIOR WALL CONSTRUCTION DETAILS
35-S-40	GENERAL ROOF CONSTRUCTION LAYOUT
35-S-60	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED AND METAL ROOFING
35-S-70	STEEL TRUSS SECTION DETAILS FOR DOUBLE PITCH ROOF
35-F-1	WOOD FOUNDATION
	10 SHEETS

SHT. NO.	DESCRIPTION
	BUILDING 36 MSI MODULAR STRUCTURES INT. INC. #04-105453 (2AH10230-31)
36-CS	COVER SHEET
36-A-1.1-24	FLOOR PLAN, EXTERIOR ELEVATIONS & ROOF PLAN
36-S-30	WOOD STUD WALL FRAMING DETAILS
36-S-51	ROOF FRAMING DETAILS w/ METAL DECK
36-S-60	DUAL SLOPE TRUSS & DETAILS
36-F-1	WOOD PAD FOUNTAION PLAN & DETAILS W/ PLYWOOD FLOOR
	6 SHEETS
	BUILDING 37 AURORA MODULAR INDUSTRIES #04-101817 (27028-29)
37-0	COVER SHEET, SHEET INDEX, BUILDING DATA
37-A1.0	FLOOR PLAN
37-A2.0	EXTERIOR ELEVATONS
37-A4.0	ROOF PLAN
37-F-1	FOUNDATION PLANS
37-F-4	WOOD FOUNDATION PLAN DETAILS
37-S5.0	GABLE ROOF STEEL TRUSS SECTION AND DETAILS
37-S6.1	STRUCTURAL DETAILS AND NOTES 22 GA. ROOFING
	8 SHEETS
	METAL RAMP AND LANDING #04-123389 SPARO DESIGN
T1	TITLE SHEET
G1	DSA 103 SPECIAL INSPECTIONS
R1.0	METAL RAMP & LANDING PLANS & DETAILS
R1.2	METAL RAMP & LANDING PLANS
R2.0	METAL RAMP DETAILS
R3.0	METAL RAMP DETAILS
	6 SHEETS
	TOTAL 54 SHEETS

PROJECT PHOTOVOLTAIC REQUIREMENTS

PER CEC SECTION 140.10(A) & TABLE 140.10–A

1. PV DIRECT CURRENT CAPACITY CALCULATION PER EACH 24'x40' PC BUILDING (R–16 & R–17)

PROJECT CLIMATE ZONE:	13
BUILDING TYPE:	CLASSROOM
PV CAPACITY FACTOR (A):	1.63 W/FT^2
CONDITIONED FLOOR AREA (CFA):	960 SF
kW_{PVDC}= (CFA X A)/1000 = (960 X 1.63)/1000	= 1.56kW_{PVDC}

2. USING EXCEPTION #2:
   NO PV IS REQUIRED WHERE THE REQUIRED PV SYSTEM CAPACITY IS LESS THAN 4 kW_{DC} PER TABLE 140.10–A

   PV SYSTEM NOT REQUIRED FOR THIS PROJECT

REQUIRED DOCUMENTS

THE FOLLOWING DOCUMENTS SHALL BE ON THE JOBSITE SITE PRIOR TO INSTALLATION OF THE UNIT(S).

1. IN-PLANT VERIFIED REPORT
2. LABORATORY VERIFIED REPORT
3. WELDING VERIFIED REPORT.

THE SITE INSPECTOR SHALL VERIFY THE ABOVE DOCUMENTS AND SERIAL NUMBERS ARE APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNIT(S).

NOTIFY ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.

CALGREEN COMPLIANCE NOTES

1. 'THIS PROJECT INCLUDES INDOOR AND/OR OUTDOOR FINISH MATERIALS THAT REQUIRE COMPLIANCE WITH CALGREEN FINISH MATERIAL POLLUTANT CONTROL. THE CONTRACTOR IS TO PROVIDE PRODUCTS/SYSTEMS THAT MEET CURRENT VOC LIMITS AS SHOWN IN TABLES 5.504.4.1 THROUGH 5.504.4.5 IN CBC TITLE 24 PART 11 (CALGREEN).'
2. 'THIS PROJECT INCLUDES CONSTRUCTION AND/OR DEMOLITION THAT REQUIRES COMPLIANCE WITH CALGREEN SECTION 5.106.12 CONSTRUCTION WASTE MANAGEMENT. SEE SPECIFICATION SECTION 017419.'

BUILDING CODE WORKSHEET

PROJECT NAME	CESAR CHAVEZ ELEMENTARY SCHOOL
PROJECT NO.	5682.3

BUILDING DATA

Builing Name	35	36	37	(EXISTING) R-2
DSA APP#	04-101403	04-105453	04-101817	03-126207
Use	CLASSROOM	CLASSROOM	CLASSROOM	TOILET BLDG
Occupancy	E	E	E	E
Construction Type	VB	VB	VB	VB
Allowable Building Area	9,500	9,500	9,500	9,500
Actual Building Area	960	960	960	480
Total Building Area	960	960	960	480
Maximum Height	40'	40'	40'	40'
Actual Height	±11'-10"	±11'-10"	±11'-10"	±11'-10"
Automatic Fire Spinkler System	NO	NO	NO	NO

TOTAL BUILDING AREA: 3,360

*Per CBC Table 506.2. Allowable Building Area for E Occupancy (most restrictive) 9,500 S.F. frontage increase is not needed

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

Ownership of Documents

This document, the ideas and designs incorporated herein, as an instrument of Professional Service is the property of Integrated Designs by SOMAM Inc. and is not to be used, in whole or in part for any other project without written authorization.

Stamp:

LICENSED ARCHITECT
CURTIS E. FLYNN
No. C 28966
REN. 5-31-27
STATE OF CALIFORNIA

Sheet Title:

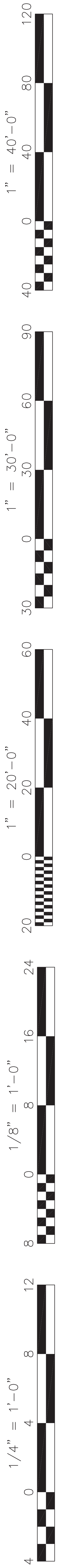
TITLE SHEET

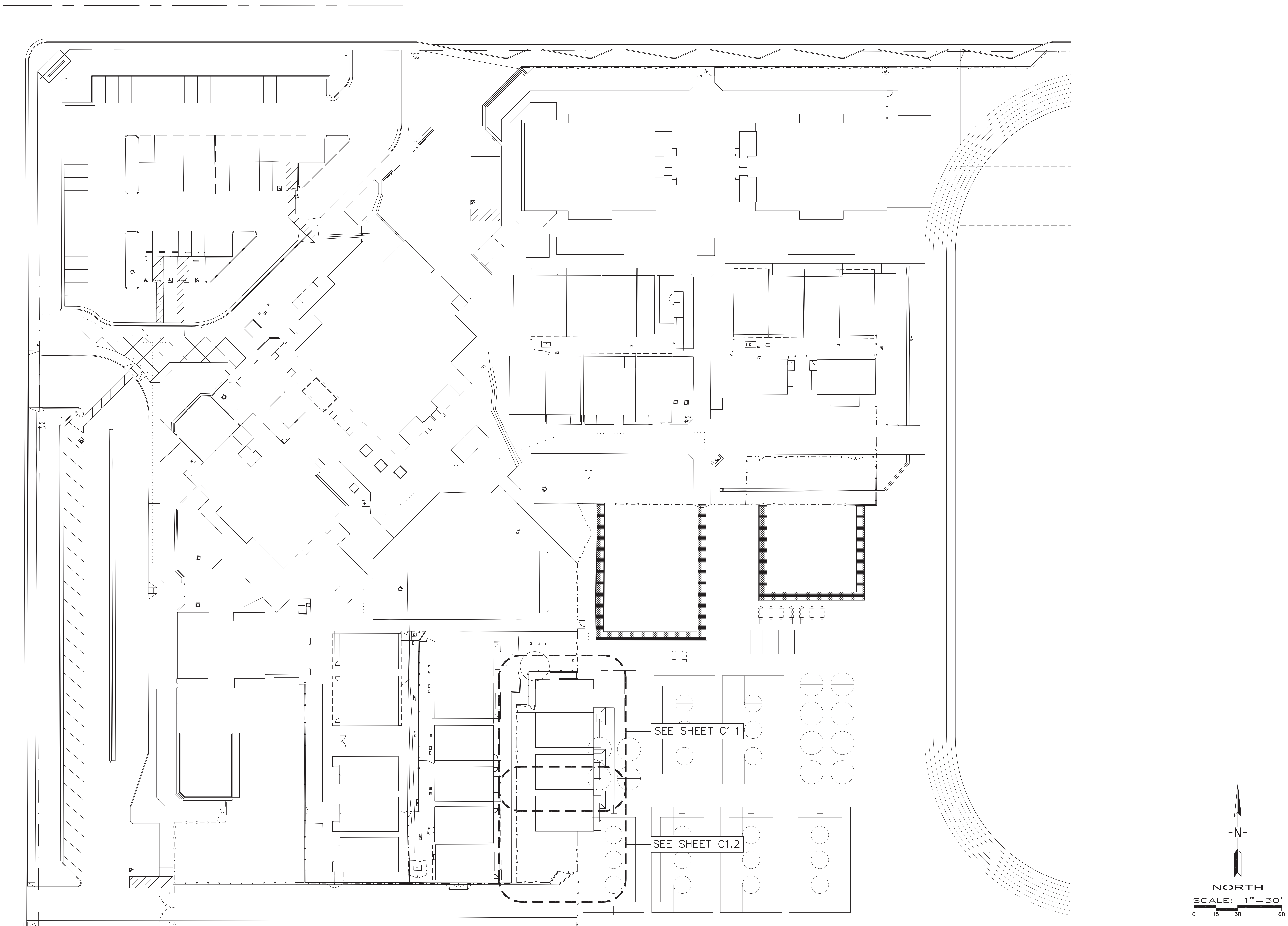
Job No.: **5682.3**

Sheet No.: **T1.00**

Release: DSA SUBMITTAL

Issue Date: 7/27/26





GRADING PLAN KEY MAP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL

4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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FRESNO CALIFORNIA 93710
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integrateddesigns.com

Ownership of Documents

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Stamp:

FRED W. PORTER II
RCE 74059
CIVIL

Sheet Title:

GRADING PLAN KEY MAP

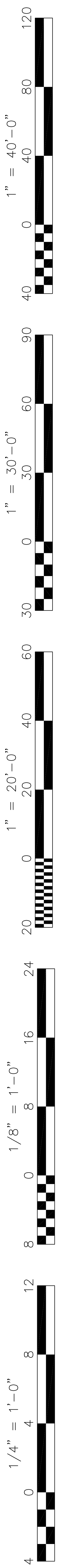
Job No.: **5682.3**

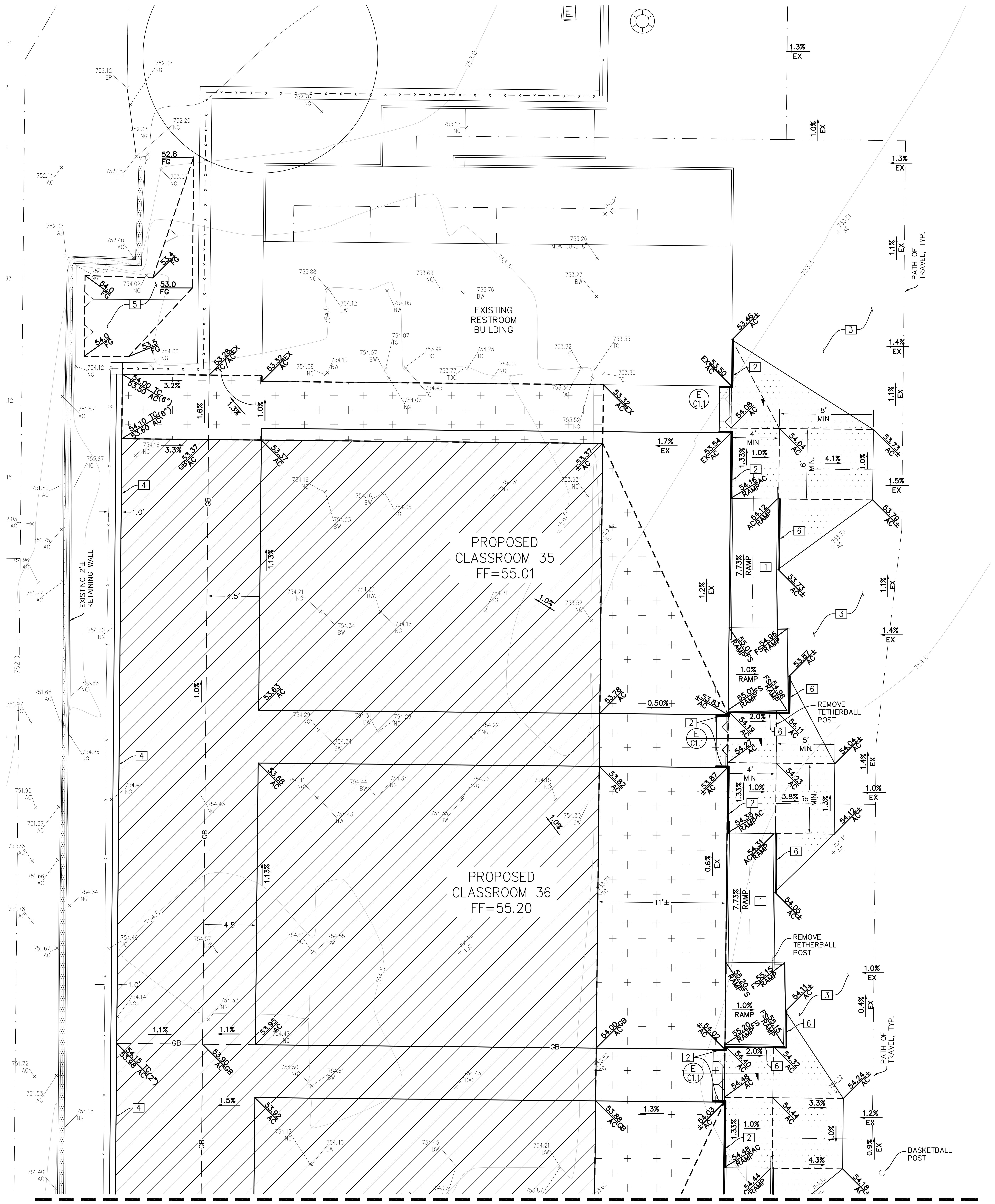
Sheet No.: **C1.0**

Release: DSA SUBMITTAL ISSUE DATE

PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
4733 Centennial Plaza Way, Suite A
Bakersfield, California 93301
661.327.0362

J:\3410\Grading Plan\Phase 3\dwg MATTHEW CARSON 7/1/26





SEE SHEET C1.2

ABBREVIATIONS

TYPICAL ALL SHEETS UNLESS SUPERSEDED BY SHEET DEFINITION

EX	EXISTING
FG	FINISHED GROUND
FS	FINISHED SURFACE
FP	FINISHED PAD
FF	FINISHED FLOOR
NG or OG	NATURAL/ORIGINAL GROUND
EP	EDGE OF ASPHALT CONCRETE PAVEMENT
AC	TOP OF ASPHALT CONCRETE PAVEMENT
AB	AGGREGATE BASE
CL	CENTERLINE
FL	FLOWLINE
GB	GRADE BREAK
TOG	TOP OF GRATE/CATCH BASIN INLET
TOC	TOP OF CONCRETE
CONC	CONCRETE
BW	BACK OF SIDEWALK
TC	TOP OF CURB
±	MATCH EXISTING
~	ON THIS SHEET
MAX	MAXIMUM
MIN	MINIMUM
TYP	TYPICAL
EL or ELEV	ELEVATION
BDRY	BOUNDARY
SF	SQUARE FEET
LF	LINEAR FEET
EA	EACH
CY	CUBIC YARDS
ESMT	EASEMENT
RW	RIGHT-OF-WAY
SD	STORM DRAIN
CB	CATCH BASIN
SWR	SANITARY SEWER
MH	MANHOLE
WTR	WTR
G	GAS
REQ'D	REQUIRED

GRADING CONSTRUCTION NOTES

⁘	RAMP LANDING/TRANSITION: GRIND 0.1' MINIMUM EXISTING AC AND OVERLAY TO DESIGN GRADES SHOWN PER DETAIL (A/C1.1).
▨	NEW ASPHALT: CONSTRUCT 3" MIN. AC OVER 4" MIN. CLASS II AGG. BASE OVER 1.0' MIN. NATURAL GROUND COMPACTED TO 95% MAX. DENSITY.
+	ASPHALT OVERLAY: GRIND 0.1' MINIMUM EXISTING AC AND OVERLAY TO DESIGN GRADES SHOWN.

1. CONSTRUCT ACCESSIBLE RAMP PER BUILDING MANUFACTURER PLANS.
2. INSTALL GALVANIZED FLASHING AT BUILDING PER DETAIL (B/C1.1).
3. EXISTING ASPHALT TO REMAIN, PROTECT IN PLACE.
4. CONSTRUCT CONCRETE CURB PER DETAIL (C/C1.1). HEIGHT VARIES, SEE PLAN VIEW.
5. RE-GRADE LANDSCAPING AS SHOWN.
6. INSTALL GALVANIZED FLASHING AT RAMP PER DETAIL (D/C1.1).

NOTES:

1. SEE ARCHITECTURAL SITE PLAN FOR ALL DIMENSIONS NOT SHOWN.
2. SEE ARCHITECTURAL PLANS FOR DEMOLITION PLAN.
3. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS, UNDERGROUND UTILITIES, ETC. TO REMAIN IN PLACE AND SHALL REPAIR ANY DAMAGES DURING CONSTRUCTION ACTIVITIES.
4. EXISTING UTILITIES ARE SHOWN BASED ON AVAILABLE RECORDS PROVIDED BY OWNER.
5. CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
6. COORDINATE IRRIGATION REMOVAL/RELOCATION WITH OWNER.

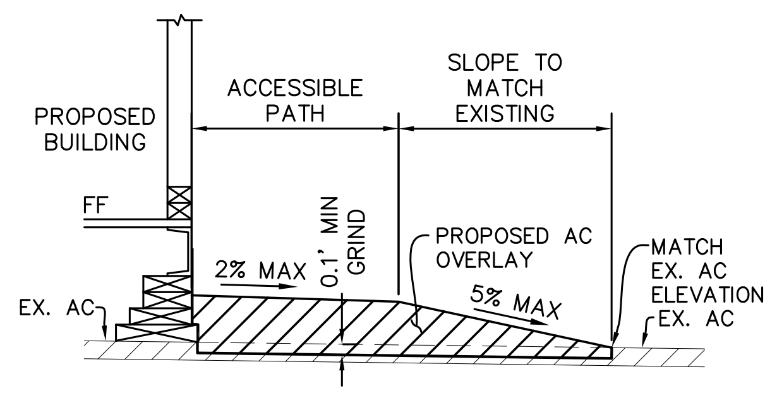
TOPOGRAPHIC SURVEY LEGEND:

// // //	EDGE OF PAVEMENT
—— – ——	STREET CENTERLINE
—— – – ——	STREET RIGHT-OF-WAY/PROPERTY LINE
—x—x—	EXISTING CHAIN-LINK FENCE
E	ELECTRICAL BOX
Ⓔ	ELECTRICAL GROUND ROD
Ⓒ	SEWER CLEANOUT
I	IRRIGATION BOX
Ⓦ	WATER VALVE
I	WATER BOX
Ⓖ	GAS VALVE
—o—	STREET SIGN
▦	DRAIN GRATE WITH ELEVATION
○	TREE (SIZE VARIES)
HYD	FIRE HYDRANT
☼	LIGHT STANDARD

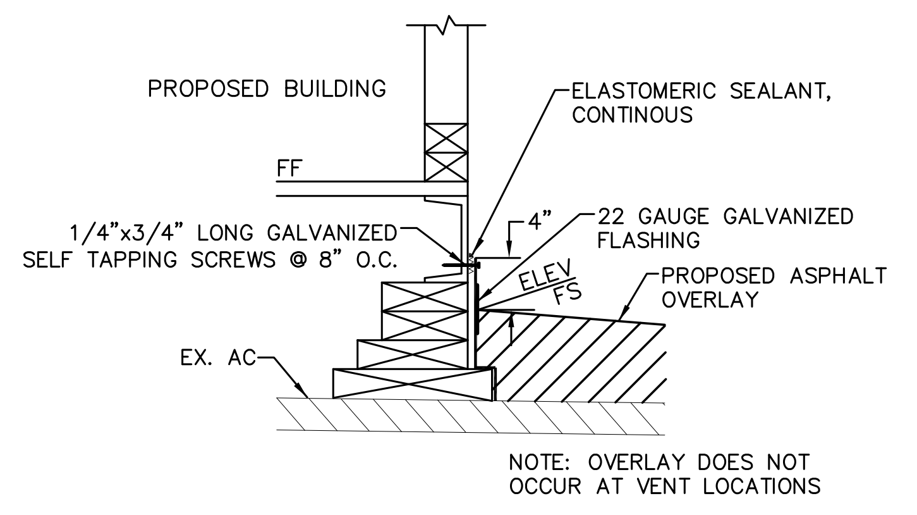
BENCHMARK

TOP OF CONCRETE MONUMENT AT THE CENTERLINE INTERSECTION OF MESA MARIN DRIVE AND RAINWATER LANE

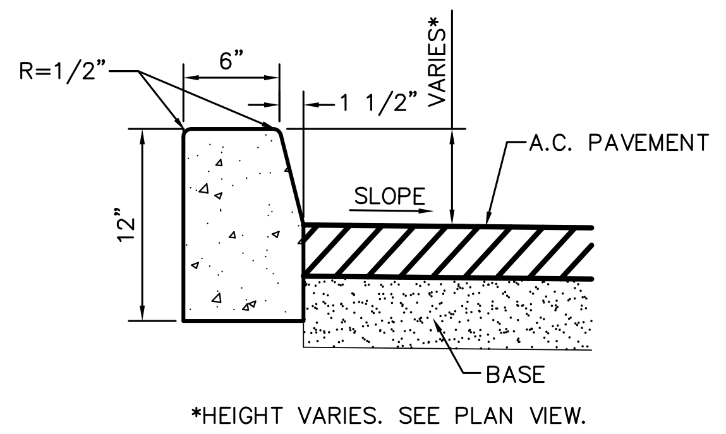
ELEVATION= 750.00 (ASSUMED)



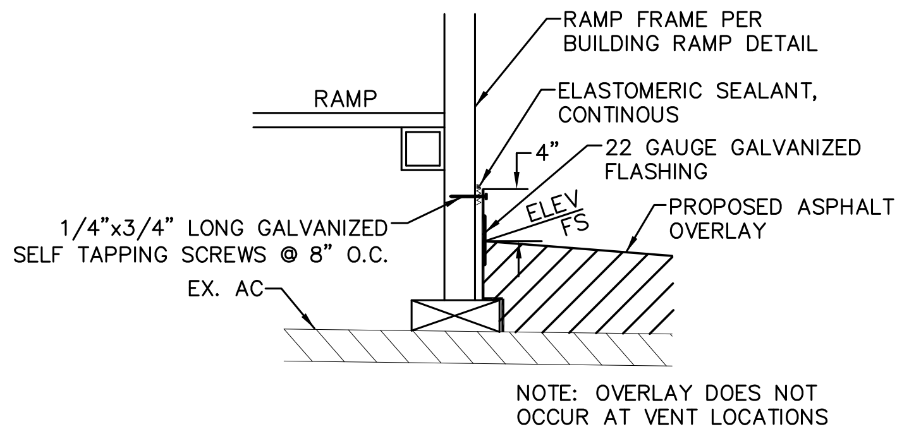
A
~
TYPICAL AC OVERLAY DETAIL
NTS


PROPOSED BUILDING
ELASTOMERIC SEALANT, CONTINOUS
FF
4"
22 GAUGE GALVANIZED FLASHING
1/4"x3/4" LONG GALVANIZED SELF TAPPING SCREWS @ 8" O.C.
ELEV
FS
PROPOSED ASPHALT OVERLAY
EX. AC
NOTE: OVERLAY DOES NOT OCCUR AT VENT LOCATIONS

B
~
ADJACENT TO BUILDING GALVANIZED FLASHING DETAIL
NTS



C
~
CONCRETE CURB
NTS


RAMP FRAME PER BUILDING RAMP DETAIL
RAMP
ELASTOMERIC SEALANT, CONTINOUS
4"
22 GAUGE GALVANIZED FLASHING
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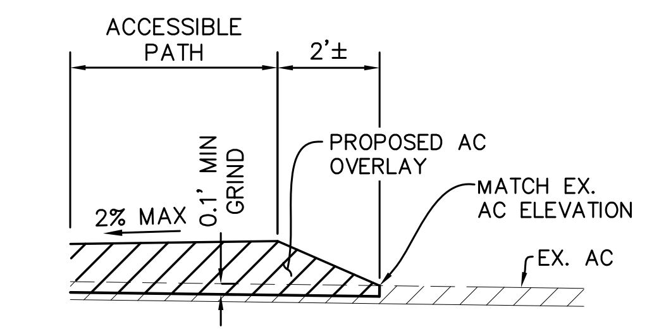
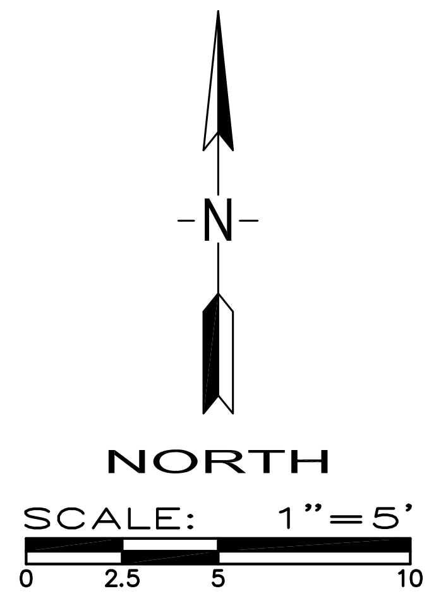
EX. AC
NOTE: OVERLAY DOES NOT OCCUR AT VENT LOCATIONS

D
~
ADJACENT TO RAMP GALVANIZED FLASHING DETAIL
NTS



E
~
TYPICAL AC OVERLAY TRANSITION DETAIL
NTS



PORTER & ASSOCIATES, INC.
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661.327.0362

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL

4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

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RCE 74059

Sheet Title:

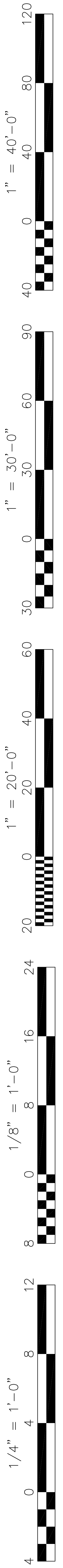
GRADING PLAN NORTH HALF

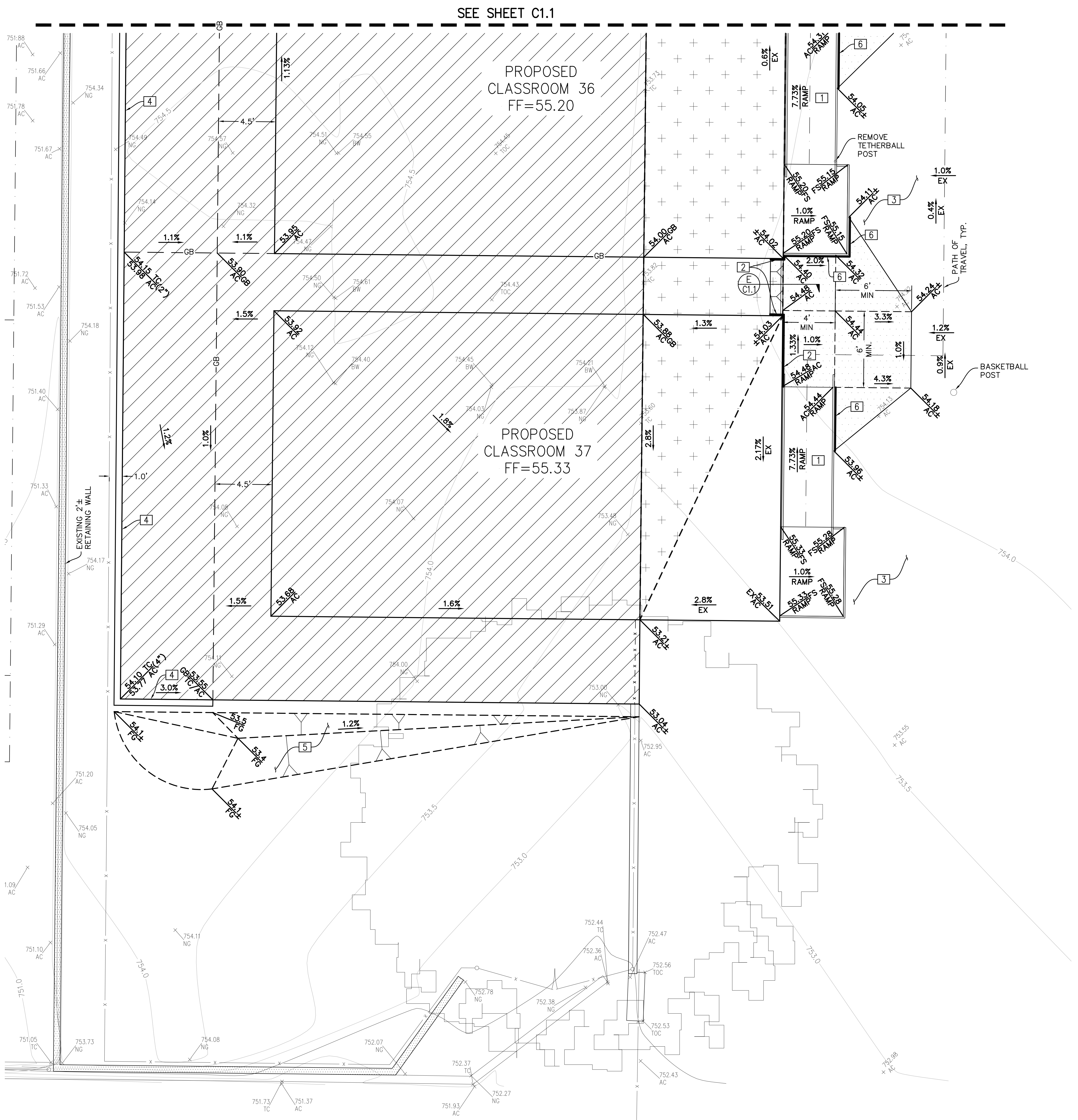
Job No.: **5682.3**

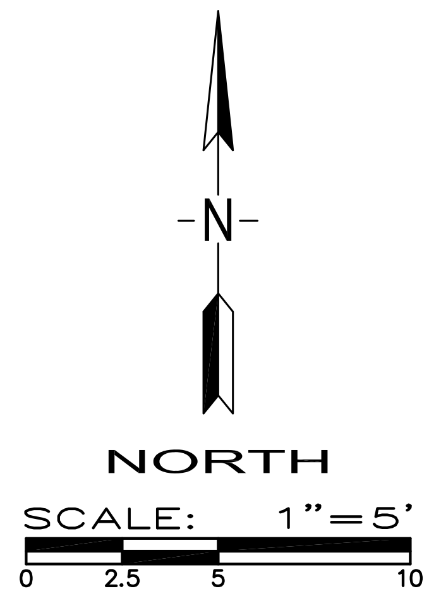
Sheet No.: **C1.1**

Release: DSA SUBMITTAL ISSUE DATE

J:\3410\Grading Plan\Phase 3\dwg MATTHEW CARSON 7/9/26







GRADING CONSTRUCTION NOTES

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FRED W. PORTER III
RCE 74059

Sheet Title:

GRADING PLAN SOUTH HALF

Job No.: **5682.3**

Sheet No.: **C1.2**

Release: DSA SUBMITTAL ISSUE DATE

PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
4733 Centennial Plaza Way, Suite A
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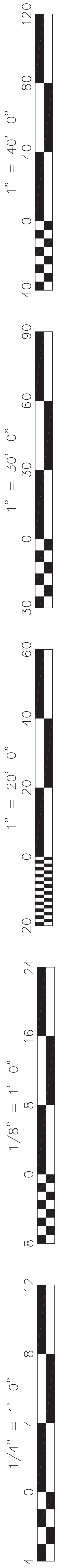
J:\3410\Grading Plan\Phase 3\dwg MATTHEW CARSON 7/9/26



GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THIS PLAN, THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION, THE CALIFORNIA BUILDING CODE, CITY OF BAKERSFIELD ORDINANCE, LATEST EDITION, AND STANDARDS PERTAINING THERETO AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. THESE DOCUMENTS SHALL MAKE A PART HEREOF. THE CONTRACTOR SHALL OBTAIN A COMPLETE COPY OF EACH.

2. ALL CONSTRUCTION WITHIN THE CITY RIGHT–OF–WAY OR CITY EASEMENTS SHALL BE IN ACCORDANCE WITH THE PROPOSED CITY OF BAKERSFIELD STANDARDS AND STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION. THESE STANDARDS, DRAWINGS AND DETAILS SHALL BE CONSIDERED A PART OF THESE PLANS AND THE CONTRACTOR SHALL OBTAIN A COPY FOR HIS USE.

3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS BEFORE START OF CONSTRUCTION. AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK TO BE PERFORMED IN THE EXISTING, ACCEPTED STREET RIGHT–OF–WAY. UNLESS SECURED BY AN IMPROVEMENT AGREEMENT, APPROVED INSURANCE AND SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN THE STREET RIGHT–OF–WAY SHALL BE POSTED PRIOR TO ISSUANCE OF A PERMIT.

4. 24 HOUR NOTICE: PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE CITY CONSTRUCTION INSPECTION SECTION SHALL BE GIVEN AT LEAST 24 HOURS NOTICE. THE SECTION MAY BE NOTIFIED AT (661) 326–3049.

5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DIMENSIONS, DATA AND MEASUREMENTS AT THE BUILDING SITE PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. PORTER & ASSOCIATES, INC. MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

6. EXISTING UTILITY AND UNDERGROUND LINES HAVE BEEN SHOWN ON THIS PLAN ACCORDING TO AVAILABLE RECORDS. THE ENGINEER IS NOT RESPONSIBLE FOR POSSIBLE ERRORS OR OMISSIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF ANY WORK. UNDERGROUND SERVICE ALERT (U.S.A.: 811) SHALL BE CONTACTED AT LEAST TWO WORKING DAYS PRIOR TO ANY CONSTRUCTION OR EXCAVATION.

7. ANY EXISTING IMPROVEMENTS OR UTILITIES THAT ARE REMOVED, DAMAGED OR UNDERCUT BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE ENGINEER AND APPROVED BY THE GOVERNING AUTHORITY.

8. IF A PROBLEM OR CONFLICT SHOULD ARISE DURING THE COURSE OF THE PROJECT, IT IS THE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO ANY FURTHER WORK.

9. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND SUPERVISION NECESSARY FOR A COMPLETE AND FUNCTIONAL PRODUCT.

10. ALL WORK WHICH IS DEFECTIVE IN ITS CONSTRUCTION OR DEFICIENT IN ANY OF THE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE REMEDIED, OR REMOVED AND REPLACED BY THE CONTRACTOR IN AN ACCEPTABLE MANNER, AND NO COMPENSATION WILL BE ALLOWED FOR SUCH CORRECTION.

11. IN THE EVENT CONSTRUCTION STAKING BASED ON THE CONSULTANT'S PLANS, DRAWINGS OR OTHER DOCUMENTS IS ACCOMPLISHED BY ANYONE OTHER THAN THE CONSULTANT, THE OWNER OR CONTRACTOR SHALL NOTIFY THE BUILDING OFFICIAL IN WRITING AS TO THE CHANGE OF ENGINEER IN RESPONSIBLE CHARGE.

12. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT; INCLUDING EROSION, SEDIMENTATION & DUST CONTROL PLAN AND STORM WATER POLLUTION PREVENTION PLAN IMPLEMENTATION AND THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

13. IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE DRAWINGS AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO FILING HIS BID PRICE FOR THE PROJECT.

14. PORTER & ASSOCIATES, INC. WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ANY AND ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY PORTER & ASSOCIATES, INC.

15. AN OPEN STREET PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD PUBLIC WORKS DEPARTMENT FOR ANY WORK PERFORMED WITHIN EXISTING ACCEPTED STREET RIGHT OF WAY. UNLESS SECURED BY AN IMPROVEMENT AGREEMENT, SECURITY BASED ON AN APPROVED ENGINEER'S ESTIMATE FOR THE WORK PERFORMED WITHIN RIGHT OF WAY AND INSURANCE AS REQUIRED SHALL BE PROVIDED PRIOR TO ISSUANCE OF A PERMIT.

16. NO CITY INSPECTIONS WILL BE GIVEN FOR THE WORK IN THIS AREA UNTIL A SUBDIVISION PERMIT WITH APPROPRIATE SECURITY AND INSURANCE HAS BEEN OBTAINED.

17. ANY WORK CONNECTING TO EXISTING PUBLIC FACILITIES FROM PRIVATE PROPERTY WILL REQUIRE AN ENGINEER'S ESTIMATE FOR THE WORK IN THE EXISTING PUBLIC RIGHT–OF–WAY TO ESTABLISH THE NECESSARY DEPOSIT FOR A STREET PERMIT. (FOR TRACTS WITH PRIVATE STREETS, PARCEL MAP IMPROVEMENTS, OR PUBLIC TRACTS WITHOUT RECORDED MAPS).

18. ANY ITEMS IN PUBLIC RIGHT–OF–WAY THAT ARE DAMAGED OR DO NOT MEET CURRENT STANDARDS SET BY PUBLIC WORKS WILL REQUIRE REPAIRING AND/OR UPGRADING AS PER CITY ENGINEER.

GRADING NOTES

1. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO THIS PLAN, APPENDIX J OF CALIFORNIA BUILDING CODE AS MODIFIED BY CITY OF BAKERSFIELD ORDINANCE, AND THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. THESE DOCUMENTS SHALL BE MADE A PART HEREOF. THE CONTRACTOR SHALL OBTAIN A COMPLETE COPY OF EACH.

2. ALL DESIGN ELEVATIONS SHOWN ARE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.

3. THE GEOTECHNICAL ENGINEER, DESIGN ENGINEER, AND BUILDING OFFICIAL SHALL BE NOTIFIED AT LEAST 2 DAYS BEFORE THE START OF ANY WORK AND PRIOR TO PLACING ANY FILL MATERIAL.

4. ALL GRADING WORK SHALL BE SUPERVISED AS "ENGINEERED GRADING" IN ACCORDANCE WITH THE BUILDING CODE. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODES WITHIN HIS PURVIEW.

5. ANY TRENCHING TO BE DONE WITHIN THE PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE PROPOSED C.O.B. STD. DWG. ST–12.

6. SITE PREPARATION AND GRADING SHALL BE DONE UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODES.

7. PURSUANT TO SECTION J104.6 OF THE CALIFORNIA BUILDING CODE AS MODIFIED BY CITY OF BAKERSFIELD ORDINANCE, SECTION J104.6 PARAGRAPH 12, IF THE CIVIL ENGINEER, THE GEOTECHNICAL ENGINEER, OR THE ENGINEERING GEOLOGIST OF RECORD IS CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING WITHIN 48 HOURS OF SUCH CHANGE AND PRIOR TO THE RECOMMENCEMENT OF GRADING.

8. THE CONTRACTOR SHALL PREVENT A DUST NUISANCE FROM ORIGINATING FROM THE SITE OF WORK AS A RESULT OF HIS OPERATIONS DURING THE EFFECTIVE PERIOD OF THIS CONTRACT. PREVENTATIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO MITIGATE THE IMPACT OF DUST AND PM10 EMISSIONS ACCORDING TO THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT REGULATION VIII (8). IN ADDITION TO ANY DUST CONTROL PLAN, THESE MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

A. PRE–ACTIVITY:
   - A. PRE–WATER SITE SUFFICIENT TO LIMIT VISIBLE DUST EMISSIONS (VDE) TO 20% OPACITY.
   - B. PHASE WORK TO REDUCE THE AMOUNT OF DISTURBED SURFACE AREA AT ANY ONE TIME.

GRADING NOTES CONTINUED

B. DURING ACTIVE OPERATIONS:
   - A. APPLY WATER OR OTHER APPROVED SUBSTANCE SUFFICIENT TO LIMIT VDE TO 20% OPACITY
   - B. LIMIT ACTIVITY TO PERIODS OF LOW OR NO WIND, OR CONSTRUCT AND MAINTAIN WIND BARRIERS SUFFICIENT TO LIMIT VDE TO 20% OPACITY.
   - C. APPLY WATER OR OTHER APPROVED SUBSTANCE TO UNPAVED HAUL/ACCESS ROADS AND UNPAVED VEHICLE/EQUIPMENT TRAFFIC AREAS SUFFICIENT TO LIMIT VDE TO 20% OPACITY AND MEET THE CONDITIONS OF A STABILIZED UNPAVED ROAD SURFACE.

C. TEMPORARY STABILIZATION DURING PERIODS OF INACTIVITY:
   - A. RESTRICT VEHICULAR ACCESS TO THE AREA.
   - B. APPLY WATER OR OTHER APPROVED SUBSTANCE SUFFICIENT TO COMPLY WITH THE CONDITIONS OF A STABILIZED SURFACE. IF ANY AREA HAVING 0.5 ACRES OR MORE OF DISTURBED SURFACE AREA REMAINS UNUSED FOR SEVEN OR MORE DAYS, THE AREA MUST COMPLY WITH THE CONDITIONS FOR A STABILIZED SURFACE AREA AS DEFINED IN RULE 8011.

D. CARRYOUT AND TRACKOUT ON PUBLIC ROADS:
   - A. ALL VISIBLE CARRYOUT AND TRACKOUT WITHIN 50 FEET OF THE SITE SHALL BE REMOVED AT THE END OF EACH WORKDAY. TRACKOUT BEYOND 50 FEET OF THE SITE SHALL BE REMOVED IMMEDIATELY.
   - B. CLEANUP SHALL BE ACCOMPLISHED BY MANUAL SWEEPING OR APPROVED EQUIPMENT AND METHOD AS SPECIFIED BY THE SJVUAPCD.
   - C. THE USE OF BLOWER DEVICES OR DRY ROTARY BRUSHES OR BROOMS, FOR REMOVAL OF CARRYOUT AND TRACKOUT ON PUBLIC ROADS IS EXPRESSLY PROHIBITED.
   - D. ANY PERMITS REQUIRED FOR MUD AND DIRT CLEANUP SHALL BE OBTAINED BY THE CONTRACTOR.

9. IF DURING GRADING OR CONSTRUCTION, ANY PLUGGED, ABANDONED OR UNRECORDED WELLS ARE UNCOVERED OR DAMAGED, THE DEPARTMENT OF CONSERVATION/ DIVISION OF OIL GAS AND GEOTHERMAL RESOURCES SHALL BE CONTACTED TO INSPECT AND APPROVE ANY REMEDIATION.

10. IF DURING CONSTRUCTION ACTIVITIES OR GROUND DISTURBANCE, CULTURAL RESOURCES ARE UNCOVERED, THE CONTRACTOR SHALL STOP WORK AND RETAIN A QUALIFIED ARCHEOLOGIST FOR FURTHER STUDY. THE CONTRACTOR SHALL NOTIFY THE PROPER AUTHORITIES AND BE SUBJECT TO ANY MITIGATION MEASURES REQUIRED BY THE ARCHAEOLOGIST.

11. DURING GRADING, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CONCEALED SUBSURFACE OBSTRUCTIONS. ALL ABANDONED SUBSURFACE OBSTRUCTIONS SHOULD BE REMOVED. IF THE TERMINUS OF ANY ABANDONED PIPING IS OUTSIDE THE PROJECT LIMITS, THE PIPING SHOULD BE REMOVED WITHIN THE PROJECT AND PROPERLY CAPPED AT THE PROJECT BOUNDARY.

12. ALL ONSITE OR OFFSITE OBSTRUCTIONS SHALL BE REMOVED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

13. THE SITE SHALL BE CLEARED AND GRUBBED OF ALL VEGETATION, INCLUDING ROOTS, LOOSE FILL, TRASH AND OTHER DELETERIOUS MATERIALS ACCORDING TO THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. ANY HOLE OR VOIDS LEFT AFTER THE REMOVAL OF TREES, ROOTS, SEPTIC TANKS, ABANDONED FOUNDATIONS, PIPELINES OR THE LIKE, SHALL BE FILLED AS REQUIRED BY THE GEOTECHNICAL ENGINEER.

14. GROUND SURFACES TO RECEIVE CONCRETE DRIVEWAYS AND BITUMINOUS PAVEMENTS SHOULD BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE EXISTING GROUND SURFACE IN AREAS TO BE FILLED, UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL INVESTIGATION OR DIRECTED BY THE GEOTECHNICAL ENGINEER. COMPACTION IN PROPOSED PAVEMENT AREAS SHOULD BE TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AS OBTAINED BY ASTM TEST METHOD D1557–78, AND SHOULD EXTEND TO A MINIMUM DISTANCE OF 2 FEET BEYOND THE OUTSIDE EDGES OF PAVEMENTS. SURFACES TO RECEIVE CURBS, GUTTERS AND SIDEWALKS SHALL BE SCARIFIED AND COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DENSITY TO A MIMIMUM DEPTH OF 6 INCHES BELOW GROUND SURFACE.

15. PAD AREAS SHALL BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL, SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE EXISTING GROUND SURFACE IN AREAS TO BE FILLED OR 12 INCHES BELOW BOTTOM OF FOOTING OR 24 INCHES BELOW FINISH PAD IN CUT AREAS, UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL INVESTIGATION OR DIRECTED BY THE GEOTECHNICAL ENGINEER. COMPACTION IN PROPOSED AREAS ON THE SITE ON WHICH STRUCTURES ARE TO BE PLACED MUST BE COMPACTED TO 90% DENSITY FOR A MINIMUM DISTANCE OF 5 FEET BEYOND THE OUTSIDE EDGES OF THE FOUNDATIONS OF THE STRUCTURES.

THE DEPTH OF OVEREXCAVATION AND COMPACTION IN PAD AREAS SHALL CONFORM TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEERING INVESTIGATION OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. RE–COMPACTION OF OVER–EXCAVATED MATERIAL SHALL BE TO AT LEAST 90% OF MAXIMUM DRY DENSITY.

16. FLOODING, JETTING, OR SIMILAR CONSOLIDATION METHODS OF COMPACTION SHALL NOT BE PERMITTED.

17. THE GRADING CONTRACTOR SHALL GRADE THE PAVING AREAS TO WITHIN 0.1 FOOT OF SUBGRADE. IF SUCH AREAS SHOULD BE FOUND TO BE MORE THAN 0.1 FOOT FROM THE DESIGN SUBGRADE ELEVATION AFTER COMPLETION OF GRADING, THE GRADING CONTRACTOR SHALL RETURN AND CORRECT THE GRADING AT NO COST TO THE OWNER.

18. SURFACE DRAINAGE SHALL BE 1% MINIMUM, EXCEPT AS WAIVED BY THE BUILDING OFFICIAL.

19. ALL CUT AND FILL SLOPES SHALL BE 2:1 (2 HORIZONTAL TO 1 VERTICAL) OR FLATTER, UNLESS OTHERWISE NOTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.

20. FILL AREAS SLOPING STEEPER THAN 5:1 SHALL BE KEYED AND BENCHED TO SUPPORT FILL.

21. FILL SLOPES SHALL NOT TOE OUT WITHIN 12 FEET HORIZONTALLY OF THE TOP OF EXISTING OR PLANNED CUT SLOPES.

22. ALL SLOPES IN EXCESS OF 3 FEET IN VERTICAL HEIGHT SHALL BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION.

23. FOR HILL–SIDE DEVELOPMENT, A BERM OR DRAINAGE SWALE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT AND FILL HILL–SIDE SLOPES TO PREVENT RUNOFF FROM GOING OVER THE SLOPE.

24. FILL MATERIAL SHALL BE SUBJECT TO THE GEOTECHNICAL ENGINEERS APPROVAL.

25. ENGINEERED FILL MATERIALS SHOULD BE PLACED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO RECOMMENDATION EXISTS, FILL SHALL BE PLACED IN THIN LAYERS LESS THAN 6 INCHES IN UNCOMPACTED THICKNESS AND COMPACTED AT OPTIMUM MOISTURE CONTENT (OR A MOISTURE CONTENT COMMENSURATE WITH EFFECTIVE COMPACTING AND SOIL STABILITY). ENGINEERED FILL MATERIALS SHOULD BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY APPROVED METHOD THE CURRENT CALIFORNIA BUILDING CODE AND CERTIFIED BY TESTS AND REPORTS FROM THE GEOTECHNICAL ENGINEER.

26. ANY CUT AND FILL QUANTITIES SHOWN ON THIS PLAN ARE FOR PERMIT PURPOSES ONLY. THE ENGINEER MAKES NO WARRANTY EITHER DIRECT OR IMPLIED THAT THIS WILL BE THE ACTUAL COMPACTION FACTOR. THE CONTRACTOR SHALL, AFTER EXAMINING THE PLAN, GEOTECHNICAL INVESTIGATION AND THE SITE TERRAIN, PREPARE HIS BID PRICE FOR THE PROJECT, BASED ON HIS OWN EARTHWORK CALCULATIONS. IF A DEFICIENCY OR AN EXCESS OF SOIL ARISES DURING GRADING, THE GRADING CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER, WHO SHALL DETERMINE IF ADJUSTMENTS CAN BE MADE TO IMPROVE THE BALANCE BETWEEN CUT AND FILL.

27. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE BORROW SITE WITH THE BUILDING OFFICIAL AND THE SOILS ENGINEER PRIOR TO PULLING THE GRADING PERMIT.

28. EXPORT MATERIAL SHALL BE DISPOSED OF AT AN APPROVED SITE THAT IS COORDINATED WITH THE BUILDING OFFICIAL PRIOR TO PULLING THE GRADING PERMIT.

29. MAXIMUM SLOPE RATIO FROM BACK OF SIDEWALK TO FACE OF WALL OR STRUCTURE SHALL BE 4:1, EXCEPT FOR TWO FEET BEHIND THE SIDEWALK WHERE THE MAXIMUM SLOPE SHALL BE 2%. ALTERNATIVELY, THE CITY ENGINEER MAY APPROVE CURBING BEHIND THE SIDEWALK OR OTHER METHOD TO PREVENT EROSION ONTO THE SIDEWALK.

30. IT IS THE RESPONSIBILITY OF THE DEVELOPER AND THE CONTRACTOR TO
(A) FAMILIARIZE THEMSELVES WITH THE FOREGOING RECOMMENDATIONS,
(B) NOTIFY THE ENGINEER WHEN SITE PREPARATION BEGINS AND BEFORE THE PLACEMENT OF FILLS, AND
(C) INFORM THE ENGINEER OF ITEMS ENCOUNTERED DURING EARTHWORK OPERATIONS WHICH MIGHT EFFECT FOUNDATION STABILITY, SO THAT THE ITEMS MAY BE TREATED UNDER THE ENGINEER'S DIRECTION. (THESE ITEMS MIGHT INCLUDE BURIED TRASH OR VEGETATION, PIPELINES, ABANDONED WELLS, OLD FILLS, ETC.)

GRADING NOTES CONTINUED

31. UPON COMPLETION OF GRADING AND BEFORE THE START OF CONSTRUCTION, A FINAL GEOTECHNICAL INVESTIGATION COVERING THE SITE PREPARATION AND GRADING SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING DEPARTMENT BY THE GEOTECHNICAL ENGINEER.

AFTER COMPLETION OF THE GRADING, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, ON A FORM PRESCRIBED BY THE ENGINEER, A STATEMENT THAT THE GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS FOR THE PROJECT, INCLUDING ALL RECOMMENDATIONS AND REQUIREMENTS OF THE GEOTECHNICAL INVESTIGATION FOR THE PROJECT, IF ANY.

32. SITE INSPECTIONS: THE BUILDING OFFICIAL SHALL INSPECT THE PROJECT AT THE FOLLOWING STAGES OF WORK:

A. INITIAL – WHEN THE SITE HAS BEEN CLEARED OF VEGETATION AND UNAPPROVED FILL AND IT HAS BEEN SCARIFIED OR OTHERWISE PREPARED FOR FILL. NO FILL SHALL HAVE BEEN PLACED PRIOR TO THIS INSPECTION.

B. ROUGH – WHEN APPROXIMATE FINAL ELEVATIONS HAVE BEEN ESTABLISHED; DRAINAGE TERRACES; SWALES AND OTHER DRAINAGE DEVICES NECESSARY FOR THE PROTECTION OF THE BUILDING SITE FROM FLOODING ARE INSTALLED; BERMS ARE INSTALLED AT TOPS OF SLOPES; AND THE STATEMENTS REQUIRED FROM THE CIVIL ENGINEER, GEOTECHNICAL ENGINEER, ENGINEERING GEOLOGIST (IF ANY) AND GRADING CONTRACTOR HAVE BEEN RECEIVED.

C. FINAL – WHEN GRADING IS COMPLETED; ALL DRAINAGE DEVICES NECESSARY TO DRAIN THE BUILDING PAD HAVE BEEN INSTALLED, SLOPE PLANTING ESTABLISHED, IRRIGATION SYSTEMS INSTALLED AND THE AS–GRADED PLANS AND REQUIRED STATEMENTS HAVE BEEN SUBMITTED.

33. SECURITY IN A FORM ACCEPTABLE TO THE CITY SHALL BE PROVIDED BY THE OWNER FOR GRADING INVOLVING MORE THAN 1,000 CUBIC YARDS PRIOR TO ISSUANCE OF A GRADING PERMIT. ACCEPTABLE FORMS OF SECURITY INCLUDE A BOND FURNISHED BY A CORPORATE SURETY AUTHORIZED TO DO BUSINESS IN THE STATE OF CALIFORNIA, A CASH BOND, OR AN INSTRUMENT OF CREDIT FROM A FINANCIAL INSTITUTION SUBJECT TO REGULATION BY THE STATE OF CALIFORNIA OR FEDERAL GOVERNMENT.

THE BUILDING OFFICIAL MAY WAIVE THE REQUIREMENT FOR SECURITY IF THE GRADING DOES NOT EXCEED A SLOPE OF THREE HORIZONTAL TO ONE VERTICAL PROVIDED SUCH GRADING WILL NOT AFFECT DRAINAGE FROM OR TO ADJACENT PROPERTIES.

34. THE LANDSCAPE AREAS ARE TO BE DESIGNED AND GRADED TO MINIMIZE EXCESS LANDSCAPE DRAINAGE ACROSS THE SIDEWALK FOR THOSE AREAS OVER 2%.

35. BLOCK WALLS SHALL BE DONE UNDER A SEPARATE PERMIT, NOT PART OF THESE PLANS.

36. COMPACTION TESTS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/SUBDIVIDER/CONTRACTOR. THE NUMBER AND LOCATION OF REQUIRED TESTS SHALL BE DETERMINED BY THE CITY ENGINEER.

ASPHALT CONCRETE NOTES

1. THIS SECTION COVERS THE FURNISHING OF LABOR AND EQUIPMENT FOR EXCAVATION, TRENCHING, BACKFILLING AND ALL OTHER EARTHWORK OPERATIONS REQUIRED TO COMPLETE THE INSTALLATION OF ASPHALT PAVING AS INDICATED ON THE DRAWINGS AND HEREIN SPECIFIED. ALL REFERENCES TO PROVISIONS SHALL BE TO THE CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION, UNLESS OTHERWISE NOTED.
2. AGGREGATE BASE SHALL BE "CLASS 2" UNLESS OTHERWISE NOTED AND SHALL CONFORM TO THE PROVISIONS IN SECTION 26, "AGGREGATE BASES," OF THE CALTRANS STANDARD SPECIFICATIONS. AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY.
3. ASPHALT CONCRETE SHALL BE "TYPE B" UNLESS OTHERWISE NOTED AND SHALL CONFORM TO THE PROVISIONS IN SECTION 39, "ASPHALT CONCRETE," OF THE CALTRANS STANDARD SPECIFICATIONS AND THE FOLLOWING SPECIAL PROVISIONS:
   - A. ASPHALT CONCRETE SHALL HAVE A BITUMINOUS BINDER. THE BINDER SHALL BE PG 64–10 PERFORMANCE GRADED ASPHALT AND SHALL CONFORM TO THE REQUIREMENTS OF THE TABLE FOR PERFORMANCE GRADED ASPHALT BINDER IN SECTION 92–1.02(B), "GRADES" OF THE STANDARD SPECIFICATIONS.
   - B. THE AMOUNT OF BITUMINOUS BINDER TO BE MIXED WITH THE MINERAL AGGREGATE SHALL BE BETWEEN FOUR PERCENT (4%) AND SIX PERCENT (6%) BY WEIGHT OF DRY MINERAL AGGREGATE. THE EXACT AMOUNT OF BITUMINOUS BINDER TO BE MIXED WITH THE MINERAL AGGREGATE WILL BE DETERMINED BY THE ENGINEER.
   - C. ASPHALT CONCRETE SURFACING SHALL BE CONSTRUCTED IN ACCORDANCE WITH REQUIREMENTS OF SECTION 39. A PRIME COAT SHALL NOT BE APPLIED TO THE BASE PRIOR TO PLACING ASPHALT CONCRETE SURFACING. A TACK COAT SHALL BE APPLIED PRIOR TO PAVING OVER EXISTING ASPHALT CONCRETE SURFACING. TACK COAT SHALL CONFORM TO CALTRANS STANDARD SPECIFICATION SECTION 94; ASPHALT GRADE EMULSION SS–1, SS–1N, CSS–1 AND CSS–1N.
   - D. ASPHALT CONCRETE SHALL BE COMPACTED TO 92–94% OF THE MAXIMUM THEORETICAL DENSITY AS DETERMINED BY ASTM D–2041. IN–PLACE DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH CALIFORNIA TEST 375.
   - E. AT CONNECTIONS TO EXISTING AC SURFACES, THE EXISTING SURFACE SHALL BE SAWCUT AND REMOVED TO A NEAT LINE BEFORE THE PAVING OR AS DIRECTED BY THE ENGINEER.
   - F. THE MIXTURE SHALL BE APPLIED AT A MINIMUM TEMPERATURE OF 225°F. SPREADING SHALL BE PERFORMED BY SELF–PROPELLED ASPHALT PAVERS THAT PRODUCE AN ASPHALT CONCRETE SURFACING OF UNIFORM SMOOTHNESS AND TEXTURE.
   - G. ALL SPILLAGE OF ASPHALT CONCRETE OUTSIDE OF THE DESIGNATED PAVING AREA SHALL BE PROMPTLY SWEPT UP AND REMOVED.
   - H. FOG SEAL SHALL BE APPLIED TO ALL NEWLY PAVED SURFACES WITHIN TWO WEEKS AFTER THE PAVING IS PLACED. FOG SEAL SHALL BE APPLIED IN ACCORDANCE WITH SECTION 37–1; GRADE MEDIUM FINE; ASPHALTIC EMULSION GRADE SS–1.
   - I. FINISHING ROADWAY SHALL CONFORM TO THE PROVISIONS OF SECTION 22.
   - K. ALL ASPHALT CONCRETE SHALL BE CONSTRUCTED TO THE TOLERANCES ALLOWED IN SECTION 39–6.03 AS MODIFIED BY THESE PLANS. A.C. AND BASE THICKNESS SHOWN ON THESE PLANS ARE MINIMUMS AND LESSER THICKNESS WILL NOT BE ALLOWED.
4. A TINTED PRE–EMERGENT HERBICIDE SHALL BE APPLIED OVER NATURAL GROUND IN ALL AC PAVED PARKING LOT AREAS AND DRIVE AISLES PRIOR TO PLACING ANY BASE OR PAVING. APPLY IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. NO WEED CONTROL CHEMICAL IS TO BE APPLIED TO AREAS DESIGNATED FOR PLANTING.
5. MIX DESIGN SUBMITTALS SHALL BE IDENTIFIED BY A MIX DESIGN IDENTIFICATION NUMBER, AND SELECTED BY A REGISTERED CIVIL ENGINEER WITH EXPERIENCE IN ASPHALT CONCRETE MIX DESIGN. MIX DESIGN REPORT SHALL BE SEALED AND SIGNED BY QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR ITS PREPARATION.

CONCRETE NOTES

1. CONCRETE SHALL BE 3,000 PSI AND MINIMUM 505 LB CEMENTITIOUS MATERIALS PER C.Y. UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER.
2. CONCRETE SHALL CONFORM TO SECTION 90 OF CALTRANS STANDARD PLANS AND SPECIFICATIONS CURRENT EDITION.
3. CEMENT SHALL BE IN CONFORMANCE WITH ASTM C150, TYPE 2 AND SHALL BE ENTIRELY FROM ONE MANUFACTURER.
4. ALL AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C33.
5. ALL WATER FOR CONCRETE SHALL BE CLEAN AND FREE FROM DETRIMENTAL AMOUNTS OF ACID, ALKALI AND ORGANIC MATTER AND SHALL BE FROM A DOMESTIC WATER SUPPLY.
6. CONCRETE SHALL BE CURED AS SPECIFIED IN SECTION 90–1.03 OF CALTRANS STANDARD PLANS AND SPECIFICATIONS CURRENT EDITION.
7. CONTROL JOINTS IN SIDEWALK SHALL BE SPACED NO MORE THAN 8' ON CENTER AND NO MORE THAN 15' ON CENTER FOR OTHER FLAT WORK.
8. CONTROL JOINTS IN CURBS, CURB & GUTTER, AND "V" GUTTER SHALL BE SPACED @ 15' O.C. MAX.
9. COMPACT SUBGRADE UNDER ALL CONCRETE CURBS, FLATWORK, ETC. TO A MINIMUM DEPTH OF 6" TO 90% MAXIMUM DENSITY. CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS PREPARED BY A CERTIFIED LAB TO THE OWNER & CORRECT FAILURES AT CONTRACTOR'S EXPENSE.
10. MAXIMUM WATER–CEMENTITIOUS MATERIALS RATIO = 0.55.
11. SLUMP LIMIT = 4 INCHES, PLUS/MINUS 1 INCH.
12. MIX DESIGN SUBMITTALS SHALL BE IDENTIFIED BY A MIX DESIGN IDENTIFICATION NUMBER, AND SELECTED BY A REGISTERED CIVIL ENGINEER WITH EXPERIENCE IN CONCRETE MIX DESIGN. MIX DESIGN REPORT SHALL BE SEALED AND SIGNED BY QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR ITS PREPARATION.

ACCESSIBILITY NOTES

1. ACCESSIBILITY NOTES ARE PROVIDED FOR REFERENCE ONLY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE AND ADA STANDARDS. THE CONTRACTOR SHALL OBTAIN THE LATEST EDITION THEREOF.
2. CURB RAMPS SHALL BE 8.33% MAXIMUM GRADE.
3. PERPENDICULAR CURB RAMP SIDE SLOPES SHALL NOT EXCEED 10% GRADIENT.
4. SURFACE SLOPE OF RAMPS SHALL NOT EXCEED 8.33%.
5. ACCESSIBLE ROUTE SLOPES SHALL NOT EXCEED 5%, UNLESS CONSTRUCTED AS A RAMP AND HANDRAILS ARE PROVIDED.
6. ACCESSIBLE ROUTE CROSS SLOPES SHALL NOT EXCEED 2%.
7. RAMP LANDINGS SHALL NOT EXCEED 2% MAXIMUM GRADE IN ANY DIRECTIONS.
8. GRATINGS LOCATED WITHIN ACCESSIBLE ROUTES SHALL HAVE MAXIMUM 1/2" OPENINGS IN THE DIRECTION OF PEDESTRIAN TRAVEL.
9. TRANSITIONS ALONG ACCESSIBLE ROUTES SHALL BE FLUSH WITH CHANGES IN LEVEL NO GREATER THAN ½". CHANGES IN LEVEL BETWEEN ¼" AND ½" SHALL BE BEVELED WITH A MINIMUM GRADIENT OF 1:2. CHANGES IN LEVEL BETWEEN 0" AND ¼" MAY BE VERTICAL.
10. EXCEPT BETWEEN SIDEWALKS AND ADJACENT STREETS OR DRIVEWAYS, ABRUPT CHANGES IN LEVEL EXCEEDING 4" ALONG A PATH OF TRAVEL SHALL BE PROTECTED BY A WARNING CURB A MINIMUM OF 6" IN HEIGHT ABOVE THE WALKWAY SURFACE. A WARNING CURB IS NOT REQUIRED WHEN A GUARD OR HANDRAIL IS PROVIDED WITH A GUIDE RAIL CENTERED 2" MINIMUM AND 4" MAXIMUM ABOVE THE WALKWAY SURFACE.
11. ALL ACCESSIBLE DOORS SHALL HAVE LEVEL LANDINGS IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CURRENT EDITION.
12. ACCESSIBLE PARKING STALLS AND LOADING AISLES SHALL NOT EXCEED 2% MAXIMUM GRADE IN ANY DIRECTION.

PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
4733 Centennial Plaza Way, Suite A
Bakersfield, California 93301
661.327.0362

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

Ownership of Documents

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FRED W. PORTER II
RCE 74059
CIVIL

Sheet Title:

GRADING PLAN NOTES

Job No.: **5682.3**

Sheet No.: **C1.3**

Release: DSA SUBMITTAL ISSUE DATE

J:\3410\Grading Plan\Phase 3\dwg MATTHEW CARSON 7/1/26

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
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BAKERSFIELD CITY SCHOOL DISTRICT
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BAKERSFIELD, CA 93305

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FRED W. PORTER
RCE 74059
CIVIL

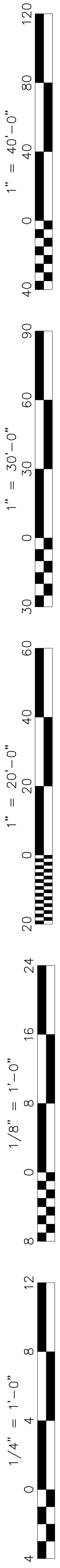
Sheet Title:

Job No.: **5682.3**

Sheet No.: **C2.0**

Release: DSA SUBMITTAL ISSUE DATE

LUIS HINOJOSA 6/11/26



ACCESSIBILITY NOTES

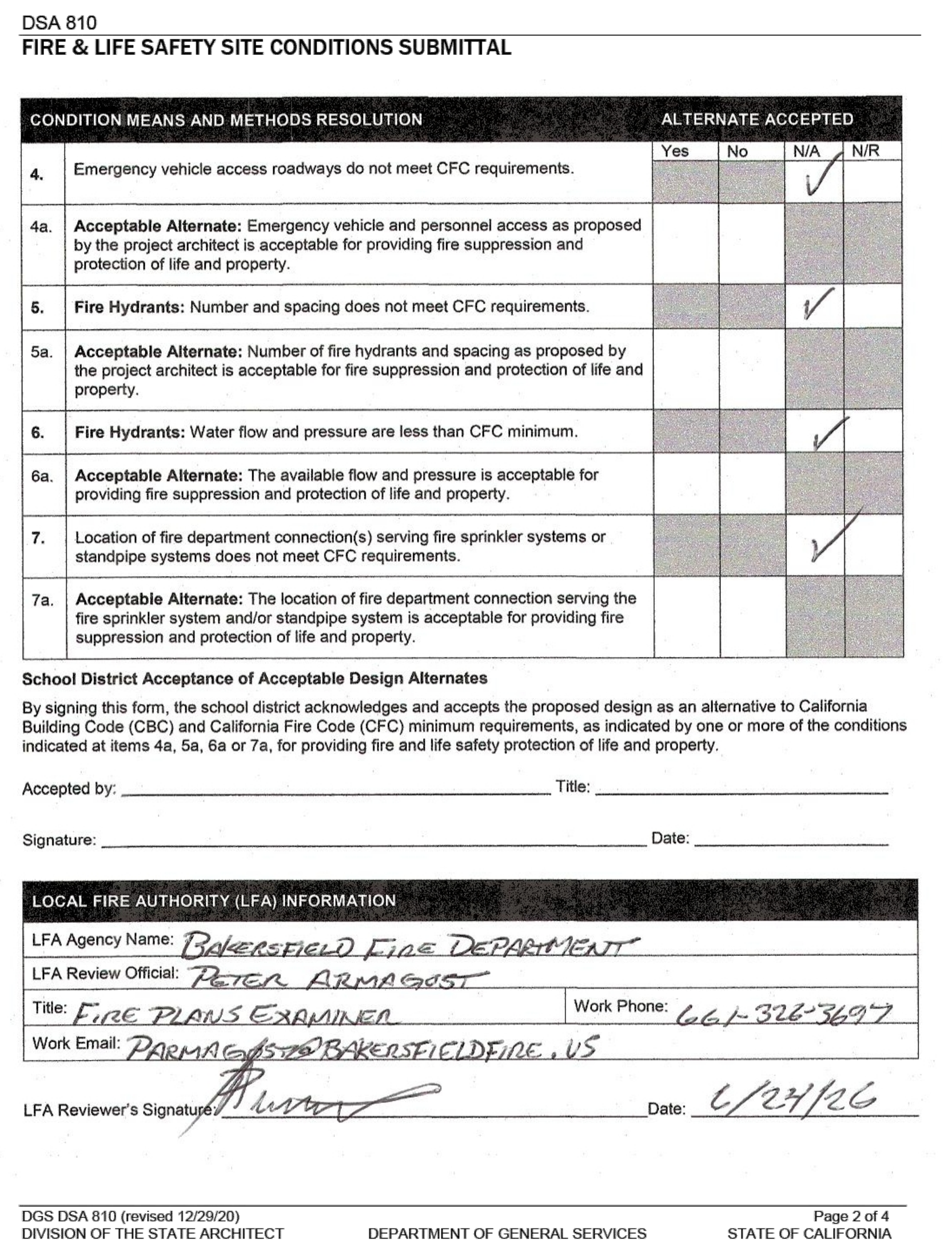
"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. 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 NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND 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 INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

Path of Travel, Technical Requirements for Accessible Route

- "ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL."

FIRE AUTHORITY



DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

	CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✓	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✓	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✓	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

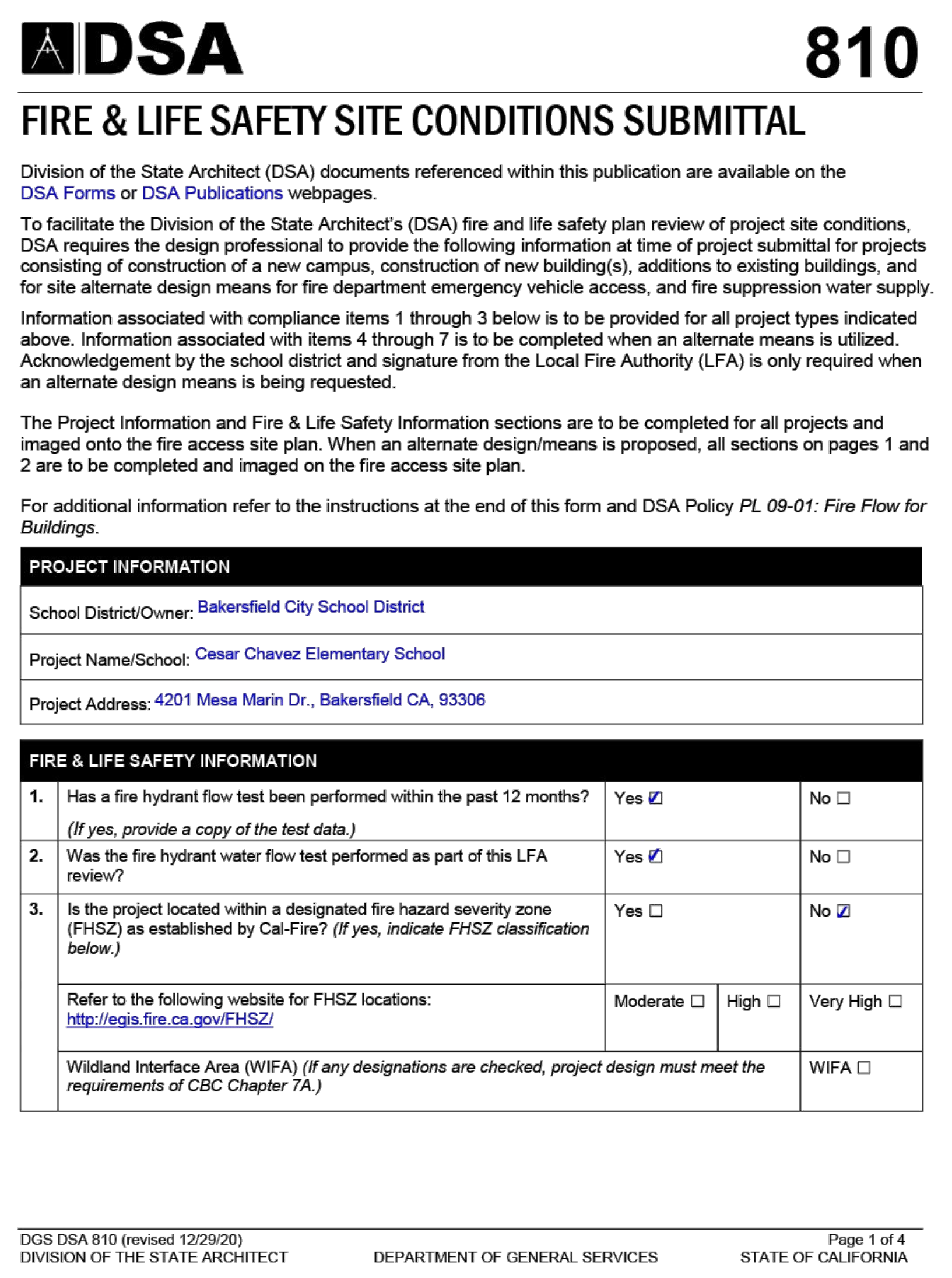
Accepted by: ____________ Title: ____________

Signature: ____________ Date: ____________

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: BAKERSFIELD FIRE DEPARTMENT	
LFA Review Official: PETER ARMAGOST	
Title: FIRE PLANS EXAMINER	Work Phone: 661-326-3697
Work Email: PARMAGOST@BAKERSFIELDFIRE.US	

LFA Reviewer's Signature: Date: 6/24/26

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 2 of 4 STATE OF CALIFORNIA



DSA **810**

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

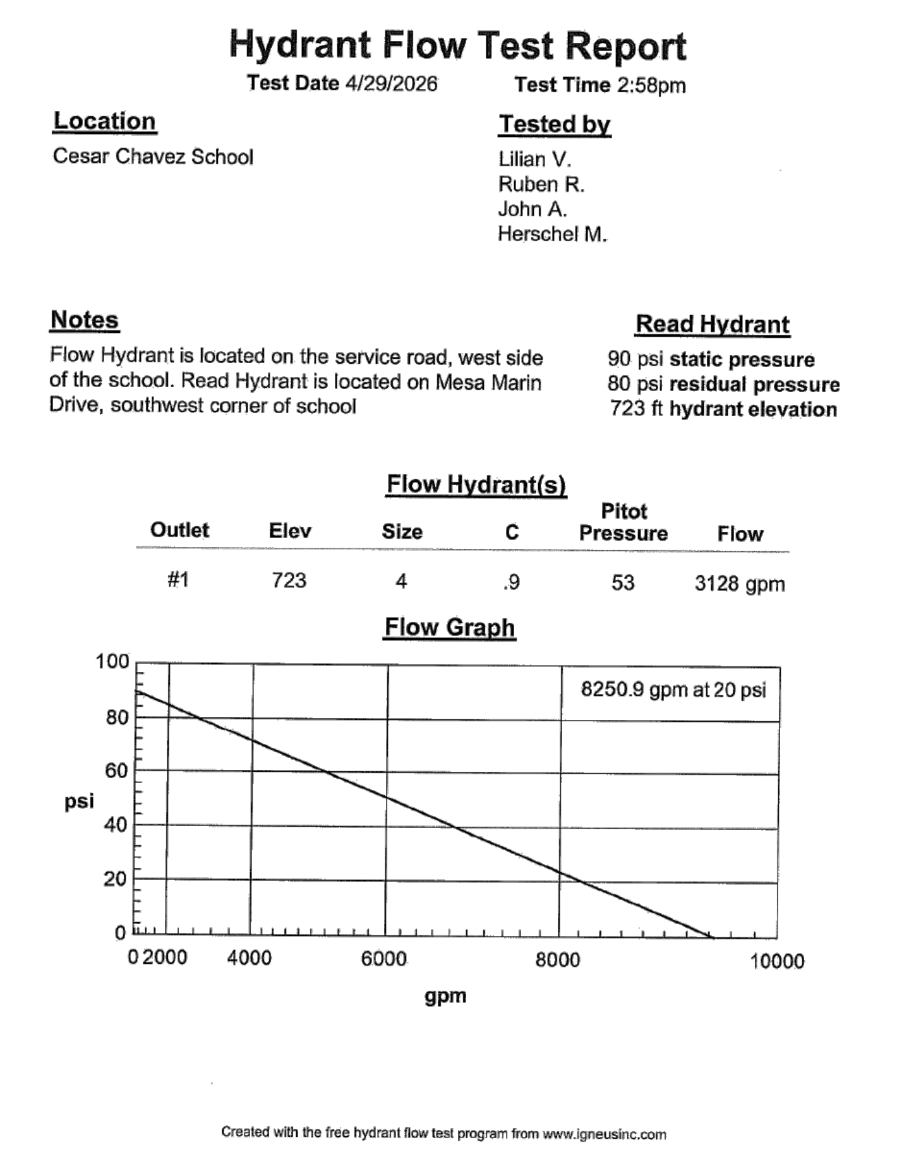
For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION
School District/Owner: Bakersfield City School District
Project Name/School: Cesar Chavez Elementary School
Project Address: 4201 Mesa Marin Dr., Bakersfield CA, 93306

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑		No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES — Page 1 of 4 STATE OF CALIFORNIA

HYDRANT FLOW TEST



Hydrant Flow Test Report

Test Date 4/29/2026 **Test Time** 2:58pm

Location
Cesar Chavez School

Tested by
Lilian V.
Ruben R.
John A.
Herschel M.

Notes
Flow Hydrant is located on the service road, west side of the school. Read Hydrant is located on Mesa Marin Drive, southwest corner of school

Read Hydrant
90 psi **static pressure**
80 psi **residual pressure**
723 ft **hydrant elevation**

Flow Hydrant(s)

Outlet	Elev	Size	C	Pitot Pressure	Flow
#1	723	4	.9	53	3128 gpm

Flow Graph

Created with the free hydrant flow test program from www.igneusinc.com

HYDRANT FLOW TEST PERFORMED ON FIRE HYDRANT (SEE 10a).

ERRC NOTE

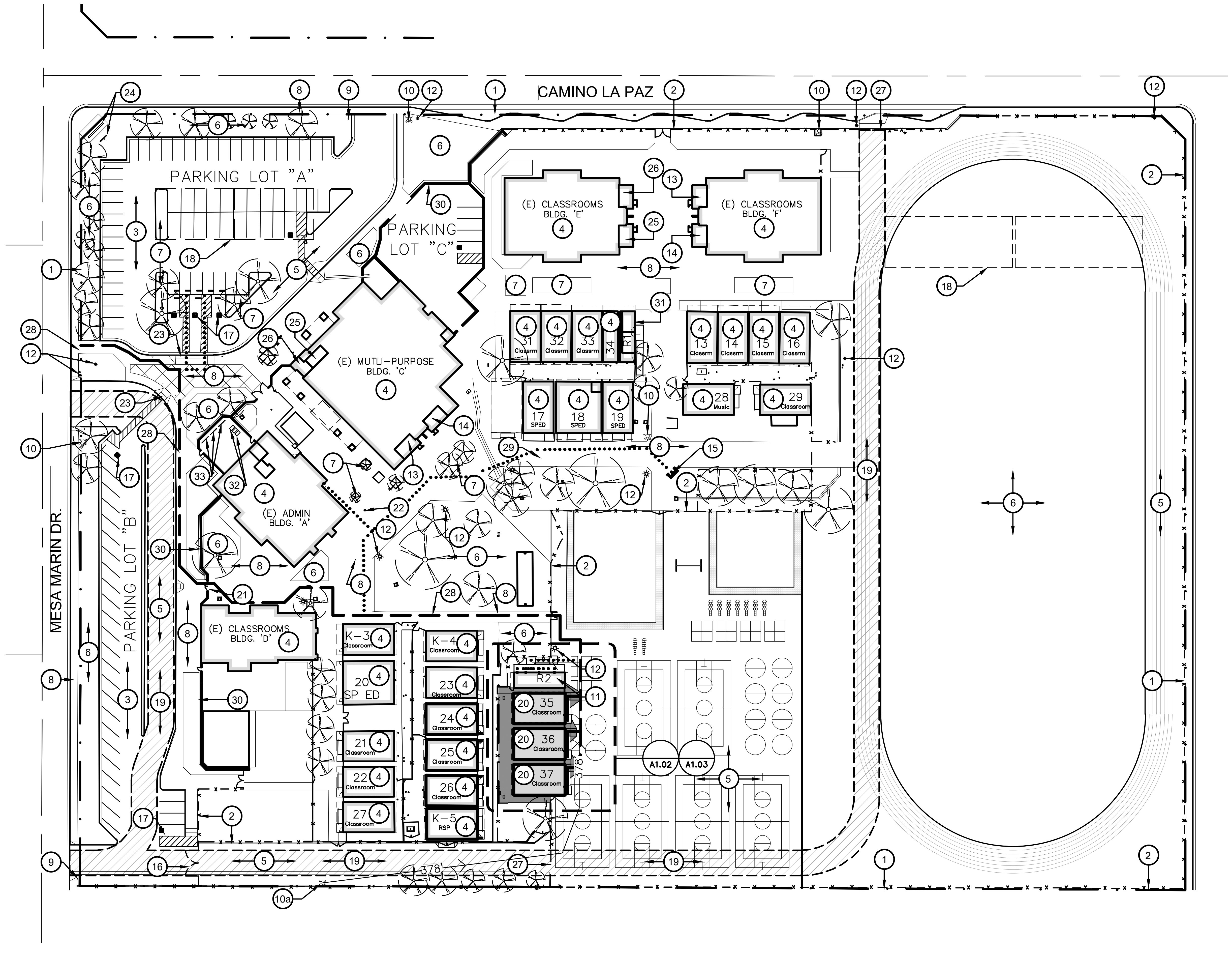
UPON COMPLETION OF CONSTRUCTION, THE LOCAL FIRE DEPARTMENT AND / OR EMERGENCY COMMUNICATIONS AUTHORITY WILL BE CONTACTED TO OBTAIN DESIGN AND EQUIPMENT SPECIFICATIONS, AND TESTING AND ACCEPTANCE CRITERIA FOR **EMERGENCY RESPONDER RADIO COVERAGE (ERRC)** PER CFC 510. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, AND PROOF OF TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

BUILDING DATA

Builing Name	35	36	37	(EXISTING) R-2
DSA APP#	04-101403	04-105453	04-101817	03-126207
Use	CLASSROOM	CLASSROOM	CLASSROOM	TOILET BLDG
Occupancy	E	E	E	E
Construction Type	VB	VB	VB	VB
Allowable Building Area	9,500	9,500	9,500	9,500
Actual Building Area	960	960	960	480
Total Building Area	960	960	960	480
Maximum Height	40'	40'	40'	40'
Actual Height	±11'-10"	±11'-10"	±11'-10"	±11'-10"
Automatic Fire Spinkler System	NO	NO	NO	NO

TOTAL BUILDING AREA: 3,360

*Per CBC Table 506.2. Allowable Building Area for E Occupancy (most restrictive) 9,500 S.F. frontage increase is not needed



FIRE AUTHORITY SITE PLAN

3 RELOCATABLE BUILDINGS

60 0 60 120

SCALE: 1" = 60'

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS PRIOR TO BID. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IN WRITING.
B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF LAYOUTS AND ESTABLISHED LOCATIONS OF BURIED UTILITY LINES. ANY UTILITIES REQUIRING RELOCATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. CONTACT APPLICABLE GOVERNING AGENCIES REGARDING ARRANGEMENT AND COORDINATION OF WORK.
C. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY COMPACTION RETEST DUE TO INITIAL FAILURE.
D. PROJECT INSPECTOR SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.
E. A COPY OF TITLE-24, ALL PARTS APPLICABLE, TO BE KEPT AT THE JOB SITE AT ALL TIMES.
F. ADDENDA SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE) AND APPROVED BY DSA.
G. C.C.D.s SHALL BE SIGNED BY THE ARCHITECT (RESPONSIBLE IN CHARGE), OWNER AND APPROVED BY DSA.
H. TESTING LAB SHALL BE EMPLOYED BY THE OWNER, APPROVED BY THE RESPONSIBLE ARCHITECT AND DSA.
I. ALL WORK SURFACES DISTURBED OR DAMAGED BY THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN KIND, TEXTURED AND FINISHED TO MATCH ADJACENT SURFACES.
J. NEW CONCRETE WALKS SHALL HAVE SLOPES NOT TO EXCEED 1 IN 20 IN THE DIRECTION OF PATH OF TRAVEL. PROVIDE CONTROL JOINTS ("C.J.") AT 5'-0" o.c. MAX. AND EXPANSION JOINTS NOT TO EXCEED 30'-0" MAX. PROVIDE MEDIUM BROOM FINISH ON ALL WALKS.
K. ALL BUILDING AND ROOM NAMES INDICATED ON THESE CONSTRUCTION DOCUMENTS ARE "NOT" THE ACTUAL BUILDING / ROOM SIGNAGE DESIGNATION. THE GENERAL CONTRACTOR SHALL FURNISH, INSTALL AND COORDINATE ALL REQUIRED SIGNAGE WITH THE OWNER / ARCHITECT PRIOR TO STARTING CONSTRUCTION.
L. GENERAL CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE RELOCATABLE BUILDING DELIVERY DATES TO THE SCHOOL SITE WITH THE MFGR.
M. THE GENERAL CONTRACTOR SHALL CONSTRUCT ALL NEW RELOCATABLE BUILDING FOUNDATIONS AS PER THE RELOCATABLE BUILDING MANUFACTURER'S DRAWINGS AND SPECIFICATIONS.
N. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL HOOK-UPS TO THE RELOCATABLE BUILDINGS AFTER INSTALLATION HAS BEEN COMPLETED BY THE MANUFACTURER.
O. 5'-0" DEEP x 5'-0" WIDE MINIMUM LANDINGS AT DOORWAYS SHALL BE AS DETAILED AND SHALL HAVE SLOPES (IN ANY DIRECTION) OF NOT GREATER THAN 1/4 IN 12 SLOPE. SLOPES SHALL BE AWAY FROM DOORWAYS.
P. GENERAL / SITE CONTRACTOR SHALL FIELD VERIFY THAT EXISTING PATH OF TRAVEL (P.O.T.) IS A MINIMUM OF 4'-0" WIDE AND IS SLIP RESISTANT. IF IT IS NOT, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND A REMEDY OR ALTERNATE P.O.T. WILL BE PROVIDED.
Q. THE MAXIMUM DROP BETWEEN EXISTING FINISHED GRADES AND THE TOP OF THE P.O.T. SHOULD NOT EXCEED 4". IF IT DOES, PROVIDE THE NECESSARY WARNING CURB PER CBC SEC. 11B-303.5.
R. CONTRACTOR TO CONFIRM ALL ELEMENTS NOTED ON ACCESSIBLE PATH COMPLY WITH 2025 CBC. THIS IS TO INCLUDE PARKING STALL SIGNAGE AND STRIPING.

FLOOD ZONE

FLOOD ZONE DETERMINATION	ZONE "X" (0.2%)
F.I.R.M. PANEL DESIGNATION	060077
EFFECTIVE F.I.R.M. DATE	9/26/2028
BASE FLOOD ELEVATION (BFE)	513 FT
COMMUNITY ORDINANCE	BMC 15.74.040
LOCATION	118°53'11"W 35°23'46"N

LEGEND

⬜	EXISTING BUILDING TO REMAIN (NO WORK)
░	NEW BUILDINGS UNDER THIS APPLICATION
▓	NEW AC PAVING
▨	20' WIDE FIRE TRUCK ACCESS OVER AC PAVING
··············	ACCESSIBLE PATH OF TRAVEL
— — — —	EXIT DISCHARGE TO PUBLIC R.O.W.
—— · ——	PROPERTY LINE
—x—x—	EXISTING CHAINLINK FENCE
HYD	EXISTING FIRE HYDRANT
✲	EXISTING TREE TO REMAIN

EXIT DISCHARGE

A. EXIT DISCHARGE TO THE PUBLIC RIGHT OF WAY HAS BEEN PROVIDED IN THIS APPLICATION AND MEETS 2025 CALIFORNIA FIRE CODE SECTION 1028.5.

B. ILLUMINATION HAS BEEN PROVIDED ALONG THE PATH OF TRAVEL FOR THE EXIT DISCHARGE AS OUTLINED IN THE 2025 CALIFORNIA FIRE CODE, SECTION 1008.2.3 BY LIGHTING AT THE FRONT WALL OF THE (E) AND (N) RELOCATABLE BUILDINGS AND (N) SITE LIGHT POLES AS SHOWN ON THE PLAN. MINIMUM ILLUMINATION TO BE NOT LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE

C. EXIT WIDTH REQUIRED AT MAN GATES TO THE PUBLIC RIGHT OF WAY HAS BEEN PROVIDED TO BE NOT LESS THAN THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE EXITS BEING SERVED.

BICYCLE PARKING

STUDENT:
REQUIRED: 4 TWO-BIKE CAPACITY RACKS PER BUILDING (3) = 24 BIKES
PROVIDED: 3 EIGHT-BIKE CAPACITY RACKS = 24 BIKES

STAFF:
REQUIRED 2 BIKE RACKS PER BUILDING (3) = 6 BIKES
PROVIDED: 3 TWO-BIKE CAPACITY LOCKERS = 6 BIKES

COMPLIES WITH 2025 CALGREEN 5.106.4.2

KEYNOTES

1. PROPERTY LINE
2. (E) CHAIN LINK FENCE TO REMAIN
3. (E) PARKING LOT AND STRIPING TO REMAIN
4. (E) BUILDING TO REMAIN (NO WORK)
5. (E) A.C. PAVING TO REMAIN
6. (E) TURF AREA TO REMAIN
7. (E) LANDSCAPE PLANTER TO REMAIN
8. (E) CONCRETE WALK TO REMAIN
9. (E) SITE TOW AWAY SIGN w/ (N) SIE TOW AWAY SIGN, -PER DSA APP#03-126207.
10. (E) FIRE HYDRANT TO REMAIN

10a (E) TEST FIRE HYDRANT.

11. (E) STAFF & STUDENT RESTROOMS, -PER DSA APP#03-126207.
12. (E) SITE LIGHT POLES TO REMAIN.
13. (E) ACCESSIBLE BOYS RESTROOM, -PER DSA APP#03-104349 & 03-109006.
14. (E) ACCESSIBLE GIRLS RESTROOM, -PER DSA APP#03-104349 & 03-109006
15. (E) HI-LOW DRINKING FOUNTAIN, -PER DSA APP#03-109006.
16. (E) 20' WIDE SWING CHAIN LINK GATE. PROVIDED (N) FIRE DEPARTMENT APPROVED KNOX BOX.
17. (E) ACCESSIBLE PARKING STALL AND SIGNAGE, -PER DSA APP#59162 & 03-107003.
18. (E) SOLAR PANELS, -PER DSA APP#03-119250.
19. (E) 20'-0" WIDE FIRE TRUCK ACCESS LANE, -PER DSA APP#03-119250.
20. (N) RELOCATABLE BUILDING ON WOOD FOUNDATION w/ METAL RAMPS FROM STOCKPILE, -PER MFR. PC
21. (E) ENTRY GATE w/ PANIC HARDWARE (PER DSA APP#03-126207)
22. (E) FLAG POLE TO REMAIN.
23. (E) CURB RAMP, -PER DSA APP#59162 & 03-109006.
24. (E) MONUMENT SIGN TO REMAIN.
25. (E) BOYS RESTROOM, -PER 59162.
26. (E) GIRLS RESTROOM, -PER 59162.
27. (E) ROLLING GATE, PROVIDE (N) FIRE DEPARTMENT APPROVED KNOX BOX.
28. ACCESSIBLE PATH OF TRAVEL & EXIT DISCHARGE TO PUBLIC RIGHT OF WAY.
29. ACCESSIBLE PATH OF TRAVEL.
30. (E) CMU WALL TO REMAIN
31. (E) ACCESSIBLE MENS & WOMENS RETROOMS, -PER DSA APP# 59162
32. (N) STAFF BIKE LOCKER (2 BIKES) TYP. 3 o/ 4" CONCRETE SLAB, -SEE 4 & 7/A1.05
33. (N) STUDENT BIKE RACK (8 BIKES) TYP. 3, -SEE 3/A1.05

PARKING SUMMARY

PARKING LOT #A

PARKING STALLS	= 62
ACCESSIBLE PARKING REQUIRED	3 (1 VAN)
ACCESSIBLE PARKING PROVIDED	3 (1 VAN)

PARKING LOT #B

PARKING STALLS	= 26
ACCESSIBLE PARKING REQUIRED	2 (1 VAN)
ACCESSIBLE PARKING PROVIDED	2 (1 VAN)

PARKING LOT #C

PARKING STALLS	= 4
ACCESSIBLE PARKING REQUIRED	1 (1 VAN)
ACCESSIBLE PARKING PROVIDED	1 (1 VAN)

DSA APP NO.

CESAR CHAVEZ ELEMENTARY SCHOOL DSA NO

BUILDING / ROOM NO.	DSA APP NO.	SQUARE FOOTAGE
BLDG 'A'	56162	5,759
BLDG 'C'	59162	10,861
BLDG 'D'	59162	3,563
BLDG 'E'	59162	6,363
BLDG 'F'	59162	6,363
13,14,15,16, 31,32,33,34, & R1	59162	7,680
17	03-109006	960
18	03-104349	1,920
19	03-104349	960
20	03-104349	1,920
21	03-109006	960
22	03-109006	960
23	03-111193	960
24	03-104224	960
25	04-105455	960
26	04-104169	960
27	04-105299	960
K-3	03-104349	960
K-4	03-111193	960
K-5	04-105455	960
R-2	04-1255602	480

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APP: 03-126270 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
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No. C 28966
REN. 5-31-27

Sheet Title:

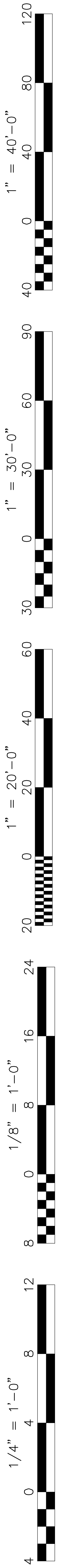
FIRE AUTHORITY SITE PLAN

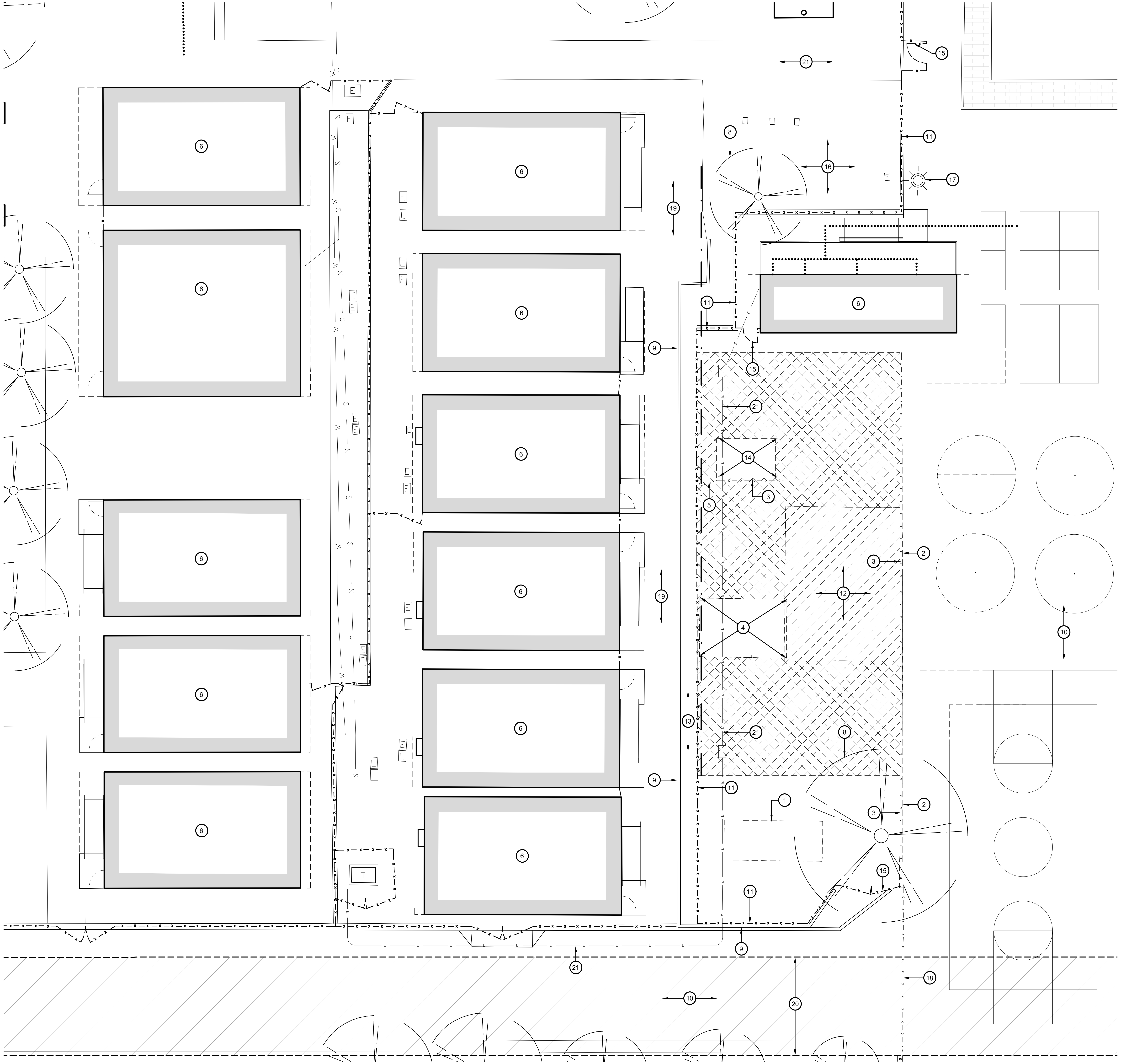
Job No.: **5682.3**

Sheet No.: **A1.00**

Release: DSA SUBMITTAL

Issue Date 7/27/26





ENLARGED DEMOLITION SITE PLAN

3 RELOCATABLE BUILDINGS

SCALE: 1" = 10'

KEY NOTES

1. REMOVE (E) SEA TRAIN
2. REMOVE (E) MOWSTRIP
3. REMOVE (E) CHAINLINK FENCE & FOOTINGS
4. REMOVE (E) TRELLIS STRUCTURE & FOOTINGS
5. REMOVE (E) CHAINLINK GATE
6. (E) BUILDING - NO WORK.
7. NOT USED
8. (E) TREE TO REMAIN. PROTECT & WATER IN PLACE
9. (E) RETAINING WALL TO REMAIN
10. (E) AC PAVING TO REMAIN
11. (E) CHAINLINK FENCE TO REMAIN
12. REMOVE (E) CONCRETE PAVERS
13. (E) PLANTER TO REMAIN
14. (E) GREENHOUSE TO BE REMOVED
15. (E) CHAIN LINK GATE TO REMAIN
16. (E) TURF TO REMAIN
17. (E) LIGHT POLE TO REMAIN
18. (E) ROLLING GATE TO BE REMOVED
19. (E) CONCRETE WALK TO REMAIN
20. (E) FIRE TRUCK ACCESS LANE
21. (E) ELECTRICAL LINE, -PER ELECTRICAL SHEETS

GENERAL NOTES

A. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:

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

*PER DSA IR 16-1, SEC. 5.4

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

C. ALL IRRIGATION WITHIN THE AREA OF CONSTRUCTION TO BE REMOVED, REROUTED, ALTERED AND/OR REINSTALLED AS REQUIRED TO PROVIDE COMPLETE AND ADEQUATE COVERAGE FOR THE REMAINING LANDSCAPED AREAS

D. INTERIOR FINISHES TO REMAIN UNLESS NOTED OTHERWISE PATCH AND REPAIR ANY FINISHES DISTURBED BY CONSTRUCTION TO MATCH EXISTING ADJACENT FINISHES.

LEGEND

▭	(E) BLDG (NO WORK)
▨	REMOVE (E) CONCRETE PAVERS
▨	REMOVE (E) AC PAVING
▨	REMOVE (E) PLANTERS AND GARDEN STRUCTURES
——W——	(E) WATER LINE
——E——	(E) ELECTRICAL LINE
——S——	(E) SEWER LINE

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STATE OF CALIFORNIA

Sheet Title:

ENLARGED DEMOLITION SITE PLAN

Job No.:
5682.3

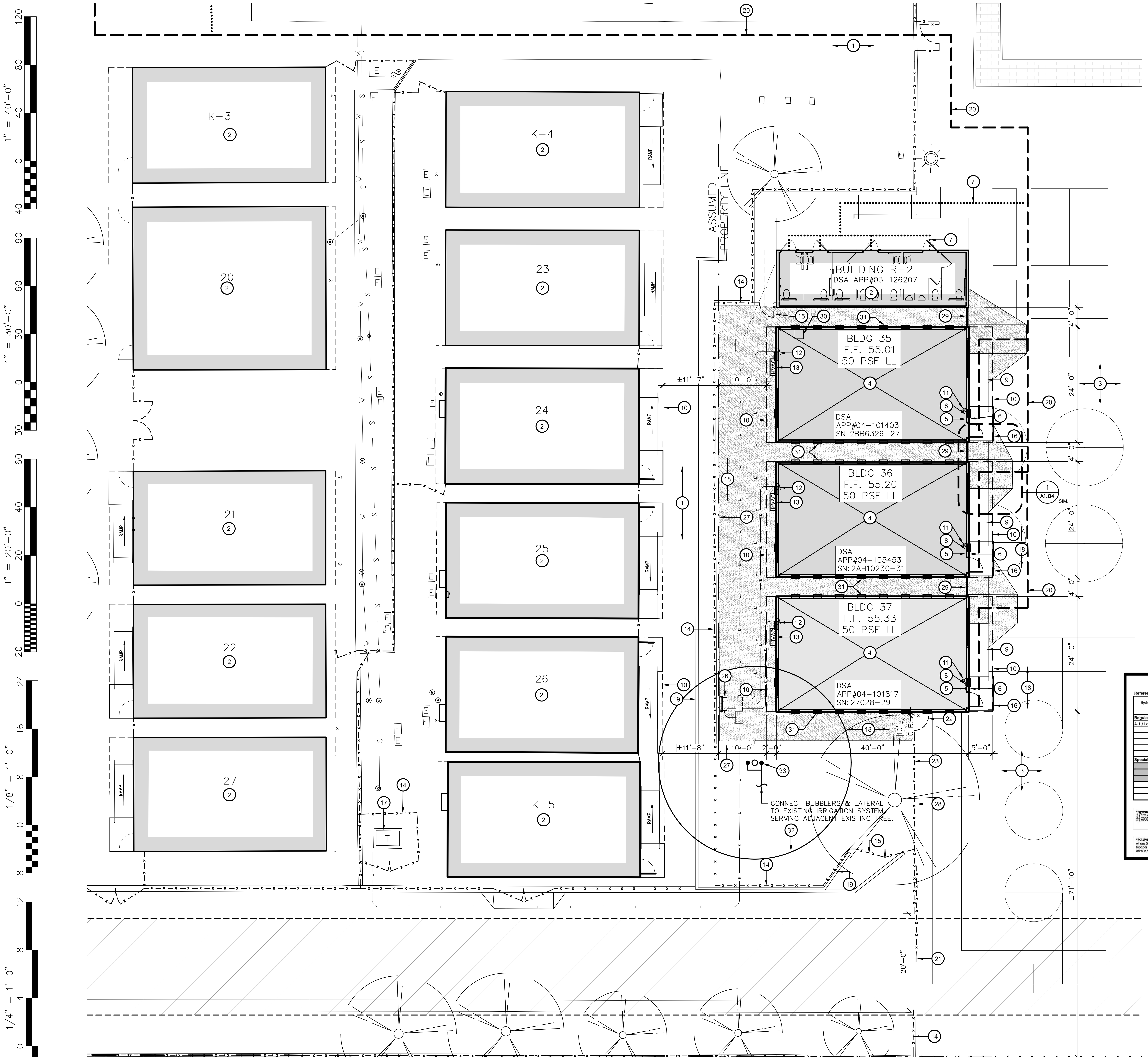
Sheet No.:
A1.02

Release:

Issue Dat

7/2/26

G:\2026frs\26-5682.3 BCSD CESAR CHAVEZ E.S. 3 RELOCATABLE CR BLDG\Sheets SEAN PARKER



ENLARGED SITE PLAN

3 RELOCATABLE BUILDINGS

SCALE: 1" = 10'

GENERAL NOTES

A. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:

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

*PER DSA IR 16-1, SEC. 5.4

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

C. SITE PROJECT INSPECTOR SHALL VERIFY COMPLETED IN-PLANT INSPECTOR INSPECTION CARD/VERIFIED REPORT (DSA 152-IPI) FOR EACH RELOCATABLE BUILDING BEFORE INSTALLING ON SITE.

D. PER 2025 CBC 1010.1.11, EXTERIOR DOORS SHALL BE LOCKABLE FROM THE INSIDE, PC MANUFACTURER TO PROVIDE

ALS SYSTEM

ASSISTIVE LISTENING SYSTEM (ALS):

1. PROVIDE A SET OF PORTABLE ALS WITH A TRANSMITTER AND A MINIMUM OF TWO HEARING-AID COMPATIBLE RECEIVERS AND TWO NECK LOOPS.

   PER CBC 2025, 11B-219.
   960S.F. / 20 (OCCUPANT LOAD) = 48
   48 x 4% = 1.92 ALS DEVICES REQUIRED (OR 2 MIN.).
2. THE SYSTEM SHALL BE STORED IN THE SCHOOL ADMINISTRATION OFFICE UNTIL REQUESTED FOR USE.
3. SPECIFY THE ALS TYPE AND THAT THE SYSTEM SHALL BE CAPABLE OF INTERFACING WITH THE VOICE AMPLIFICATION SYSTEMS AND ANY MEDIA/AUDIO PROGRAM SYSTEM INSTALLED, AND SHALL COMPLY WITH CBC SECTIONS 11B-219 AND 11B-706.
4. PROVIDE ANCHOR AUDIO ASSISTIVE LISTENING PACKAGE AL-9000 OR EQUAL, WHICH INCLUDES THE FOLLOWING MODELS: 4-ALB-9000: FOUR ASSISTIVE LISTENING BELT PACK RECEIVERS WITH EAR BUDS AND NECK LOOPS, A WIRELESS MICROPHONE & BATTERY CHARGER, & 1-ALT-9000: ONE ASSISTIVE LISTENING TRANSMITTER BASE STATION AND $\frac{1}{4}$" CABLE

CALGREEN

ASSISTIVE LISTENING SYSTEM (ALS):

A. SEE SHEET A1.04 FOR SHADING CALCULATIONS

B. SEE SHEET A1.00 FOR NEW BIKE RACKS & BIKE LOCKERS

PC VENT CALC

BUILDING SQUARE FOOTAGE 24'x40' = 960 SQ/FT

REQUIRED VENTILATION 960/150 = 6.4 SQ/FT

SIZE OF VENT TO BE USED 3"x17" = 51 SQ/IN
51/144 - 03/.35 SQ/FT EACH

MIN NUMBER OF VENTS NEEDED: 19
19x0.35 SQ/FT = 6.65 SQ/FT VENTING PROVIDED

WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo) 57.9

Hydrozone # / Planting Description[a]	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[e]
Regular Landscape Areas							
A-1 / Low Use Tree	0.3	Bubbler	0.75	0.400	20.00	8.00	287
				Totals	20	8.00	287
Special Landscape Areas							
				Totals	20	8.00	
			ETWU Total				287
			Maximum Allowed Water Allowance (MAWA)[e]				309

[a] *Hydrozone #/Planting Description*
1.) low water use shrubs
2.) moderate water use shrubs
3.) moderate water use trees

[b] *Irrigation Method*
overhead spray
or drip

[c] *Irrigation Efficiency*
0.75 for spray
0.81 for drip

[d] *ETWU* (Annual Gallons Required) = *Eto x 0.62 x ETAF x Area* where 0.62 is a conversion factor that acre-inches per acre per year to gallons per square foot per year.

[e] ***MAWA (Annual Gallons Allowed) =** (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]* where 0.62 is a conversion factor that acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 or residential areas and 0.45 for non-residential areas.

KEY NOTES

1. (E) SIDEWALK TO REMAIN.
2. (E) BUILDING TO REMAIN. NO WORK.
3. (E) A.C. PAVING TO REMAIN. NO WORK.
4. (N) PORTABLE CLASSROOM BUILDINGS FROM STOCKPILE ON RAISED WOOD FOUNDATIONS WITH METAL RAMP SUPPLIED BY MANUFACTURER.
5. (N) TACTILE EXIT RAMP DOWN SIGN, -PER 3/A1.04
6. (N) ROOM IDENTIFICATION , -PER 4/A1.04.
7. ACCESSIBLE PATH OF TRAVEL PER THIS APPLICATION. SEE ACCESSIBILITY NOTES, -SEE SHEET A1.00.
8. (N) ALS SIGN, -SEE 5/A1.04 AND ALS SYSTEM NOTES FOR REQUIREMENTS.
9. (N) METAL RAMP, -SEE MANUFACTURER'S PC DRAWINGS.
10. ROOF OVERHANG.
11. (E) 2A:10BC FIRE EXTINGUISHER ON WALL BRACKET.
12. PORTABLE CLASSROOM ELECTRICAL PANEL.
13. PORTABLE CLASSROOM HEAT PUMP.
14. (E) CHAINLINK FENCE TO REMAIN
15. (E) CHAINLINK GATE TO REMAIN
16. (N) HANDRAIL, SUPPLIED BY MANURACTURER
17. (E) TRANSFORMER
18. (N) AC PAVING, -SEE CIVIL DRAWINGS
19. (E) RETAINING WALL
20. EXIT DISCHARGE AND PATH OF TRAVEL TO PUBLIC RIGHT OF WAY. -SEE P.O.T. NOTE, SHEET A1.00
21. (N) 20'-0" WIDE ROLLING GATE, -PER 6/A1.05
22. (N) 3'-0" WIDE MAINTENANCE GATE, -PER 11/A1.04
23. (N) CHAIN LINK FENCE, -PER 11/A1.04
24. (N) IDF CABINET, -PER ELECTRICAL SHEETS
25. (N) ELECTRICAL LINE, -PER ELECTRICAL SHEETS
26. (N) DISTRIBUTION PLAN, -PER ELECTRICAL SHEETS
27. (N) CONCRETE CURB, -PER CIVIL SHEETS
28. (N) MOWSTRIP, -PER 8/A1.04
29. (N) CLOSURE PANEL, -PER 6/A1.04
30. (N) IDF, -SEE ELECTRICAL SHEETS
31. PC VENT LOCATION (19 TYP.)
32. (N) TREE (CHINESE PISTACHE - 24" BOX. QTY. 1, CANOPY DIAMETER AT MATURITY 40', LOW WATER USE SPECIES). INSTALL PER DETAIL 12/A1.04. PROVIDE DISTRICT APPROVED ROOT BARRIER TO BE INSTALLED ACCORDINGLY TO MANUFACTURER'S RECOMMENDATIONS.
33. CONTRACTOR TO INSTALL (2) ROOT WATERING TREE BUBBLERS PER DETAIL 13/A1.04 IN ACCORDANCE WITH DISTRICT STANDARDS. CONNECT BUBBLERS AND LATERAL TO EXISTING SYSTEM SERVING ADJACENT EXISTING TREE.

LEGEND

▭	EXISTING BUILDING TO REMAIN (NO WORK)
▭	NEW PORTABLE BUILDING UNDER THIS APPLICATION
▨	NEW AC PAVING
— — — —	EXIT DISCHARGE & ACCESSIBLE PATH OF TRAVEL TO PUBLIC R.O.W.
· · · · · · · · · · · ·	ACCESSIBLE PATH OF TRAVEL, THIS APPLICATION
— E —— E —	EXISTING ELECTRIC LINE
— E —— E —	NEW ELECTRIC LINE
○	NEW CHINESE PISTACHE TREE (24" BOX, QTY. 1)

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STATE OF CALIFORNIA

Sheet Title:

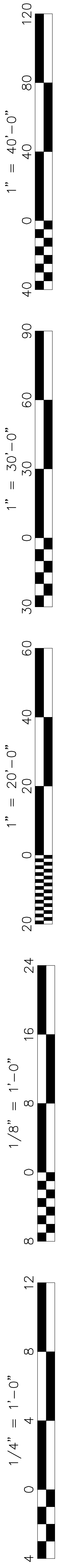
ENLARGED SITE PLAN

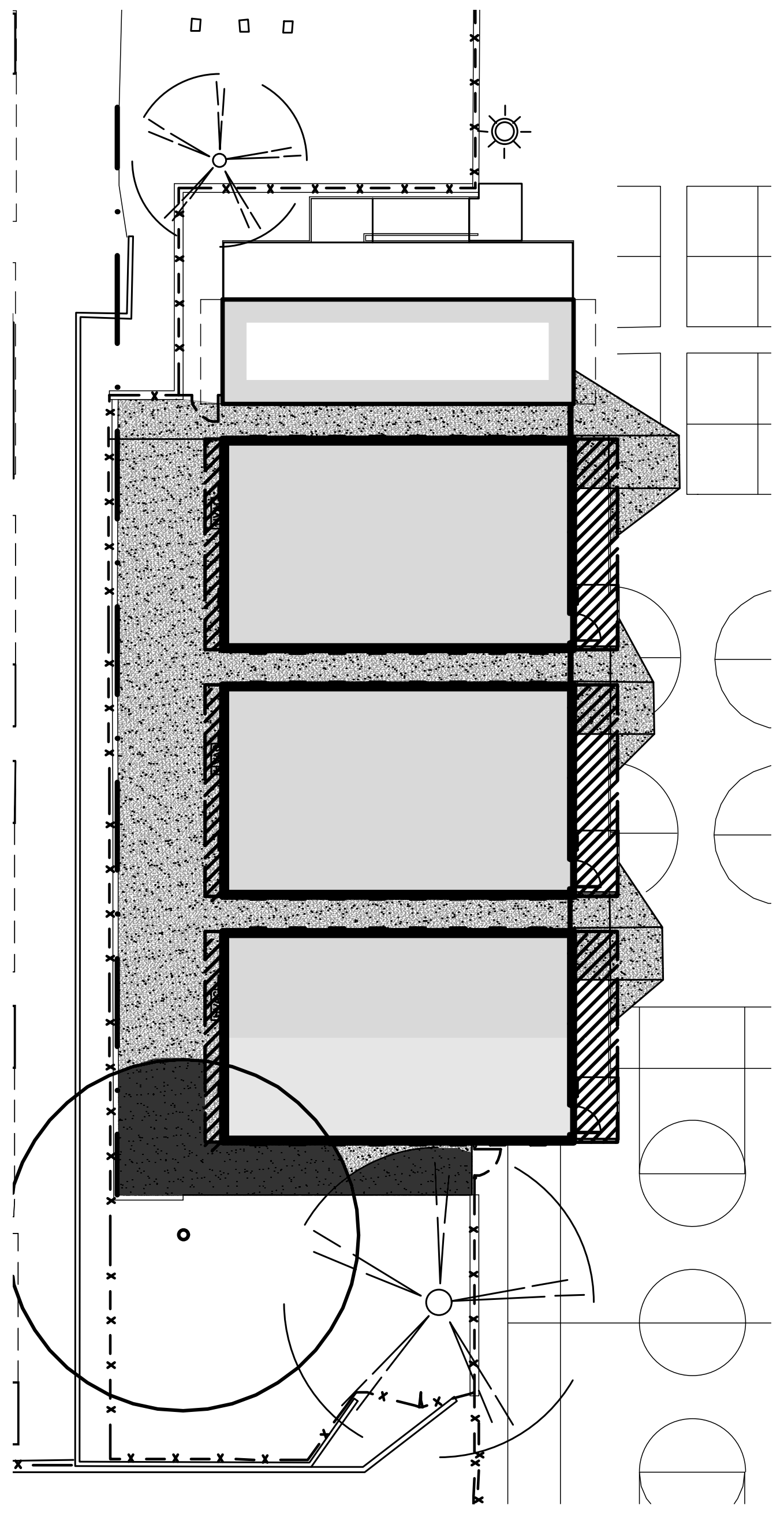
Job No.: **5682.3**

Sheet No.: **A1.03**

Release: DSA SUBMITTAL

Issue Date
7/27/26





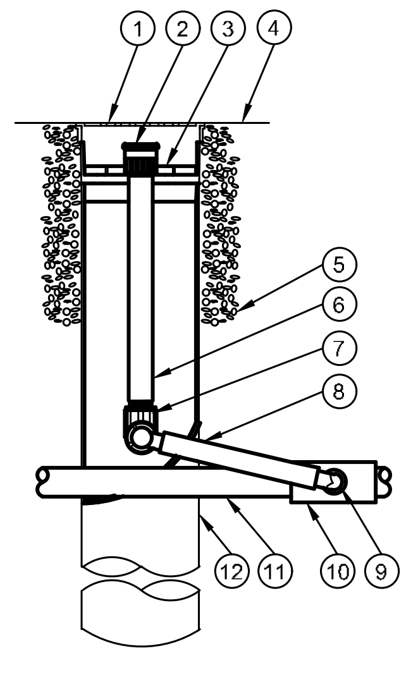
TREE SHADING DIAGRAM - HARDSCAPE

SCALE: N.T.S.

HARDSCAPE AREA SHADING	
TOTAL SQUARE FOOTAGE OF HARDSCAPE AREA:	1,267 S.F.
REQUIRED SQUARE FOOTAGE OF HARDSCAPE AREA SHADED (20%):	253 S.F.
AREA OF SHADE PROVIDED BY TREES	275 S.F.
PERCENTAGE OF HARDSCAPE AREA SHADED:	22%

░	HARDSCAPE AREA
▨	HARDSCAPE SHADE PROVIDED BY ADJACENT BUILDING OVERHANGS
▩	HARDSCAPE SHADE PROVIDED BY EXISTING TREE
✳	EXISTING TREE
○	NEW CHINESE PISTACHE TREE

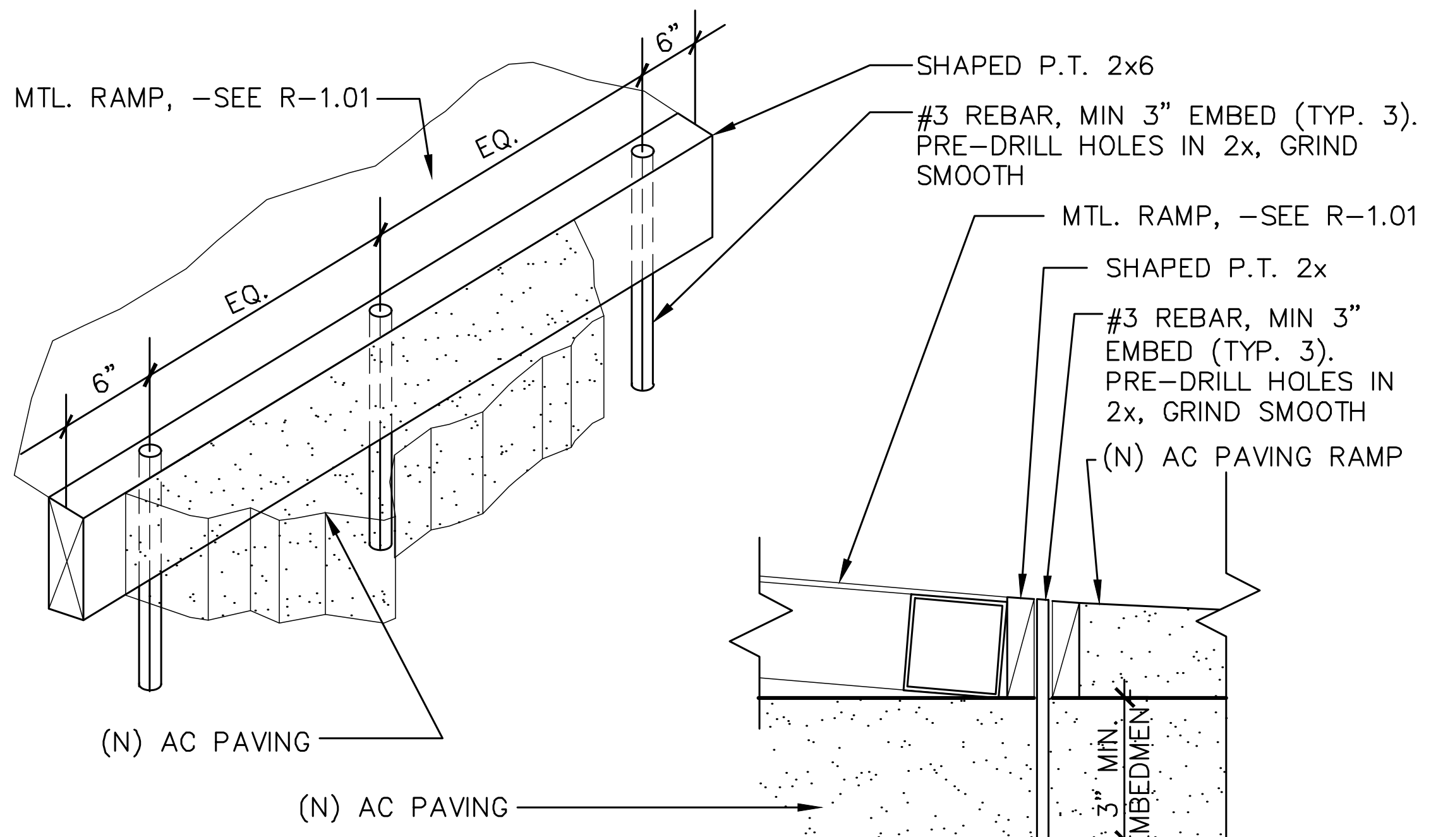
NOTE: PER CALGREEN 5.106.12, PERCENTAGES SHOWN ARE MEASURED AT NOON ON THE SUMMER SOLSTICE



1. 4-INCH GRATE
2. BUBBLER: RAIN BIRD 1401 - 0.5 GPM
3. ROOT WATERING SYSTEM: RAIN BIRD RWS-B-C-1402 (INCLUDES 1401 0.5 GPM BUBBLER WITH RISER, GRATE, SWING ASSEMBLY, 1/2" MALE NPT INLET, AND BASKET CANISTER)
4. FINISH GRADE
5. PEA GRAVEL - 1.0 CU. FT.
6. 1/2-INCH PVC SCH 80 NIPPLE
7. 1/2-INCH 90-DEGREE ELBOW
8. 12-INCH SWING ASSEMBLY
9. 1/2-INCH MALE NPT INLET
10. PVC SCH 40 TEE OR ELL
11. LATERAL PIPE
12. 4-INCH BASKET WEAVE CANISTER

NOTE: INSTALL ROOT WATERING SYSTEM WITH BUBBLER INSIDE THE TREE WATERING BASIN ON THE UPHILL SIDE OF TREE.

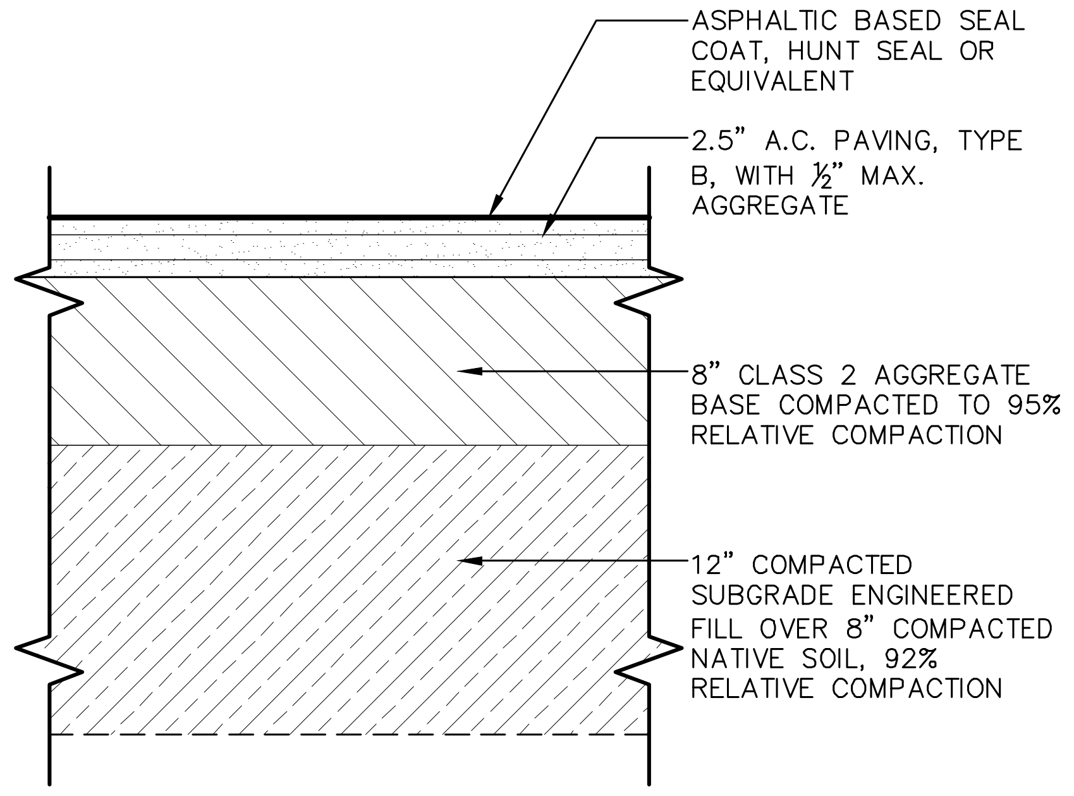
13 A1.04 ROOT WATERING TREE BUBBLER NTS



9 A1.04 RAMP TRANSITION

ADE100-01

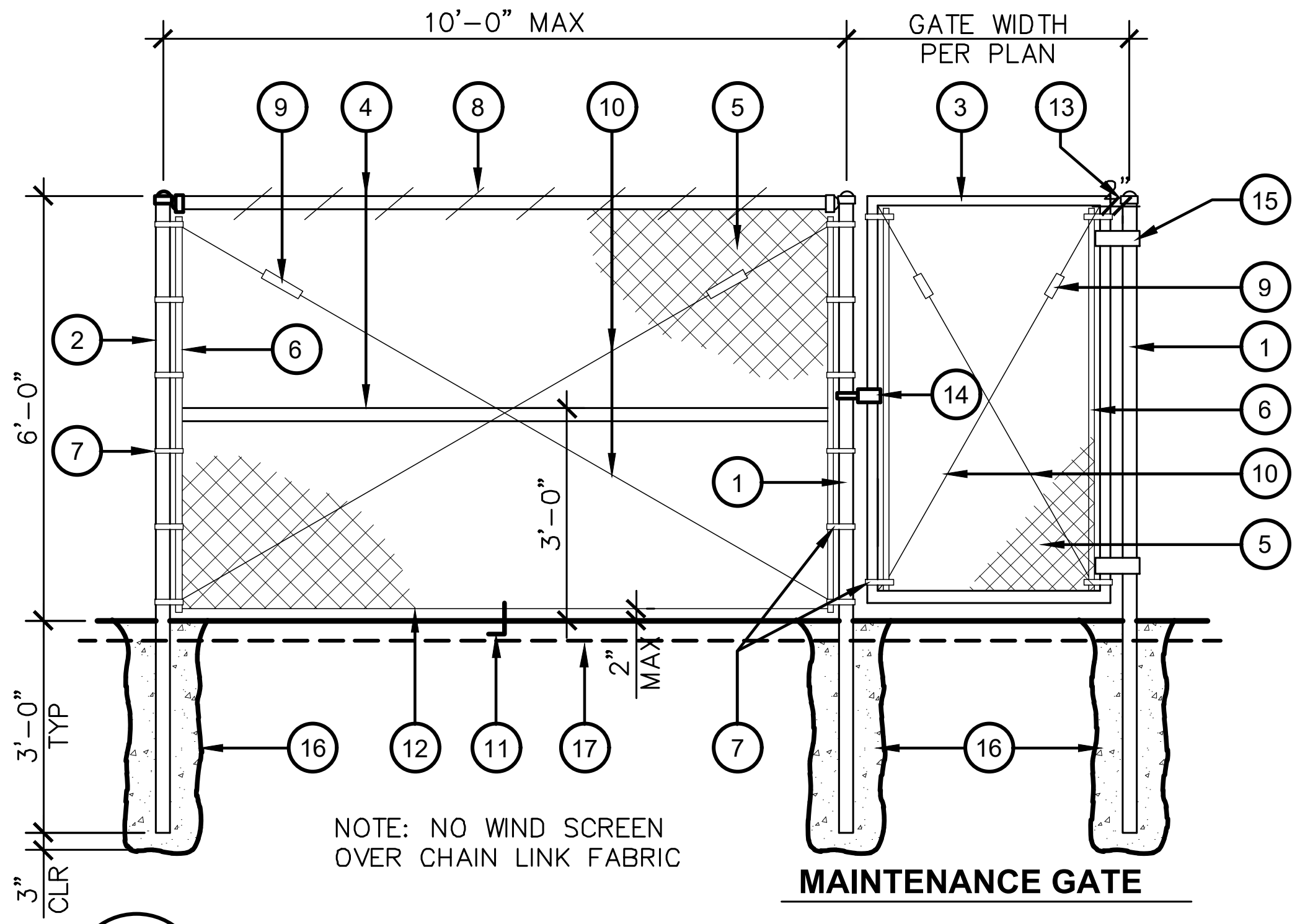
SCALE: 3" = 1'-0"


ASPHALTIC BASED SEAL COAT, HUNT SEAL OR EQUIVALENT
2.5" A.C. PAVING, TYPE B, WITH ½" MAX. AGGREGATE
8" CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION
12" COMPACTED SUBGRADE ENGINEERED FILL OVER 8" COMPACTED NATIVE SOIL, 92% RELATIVE COMPACTION

10 A1.04 AC PAVEMENT SECTION

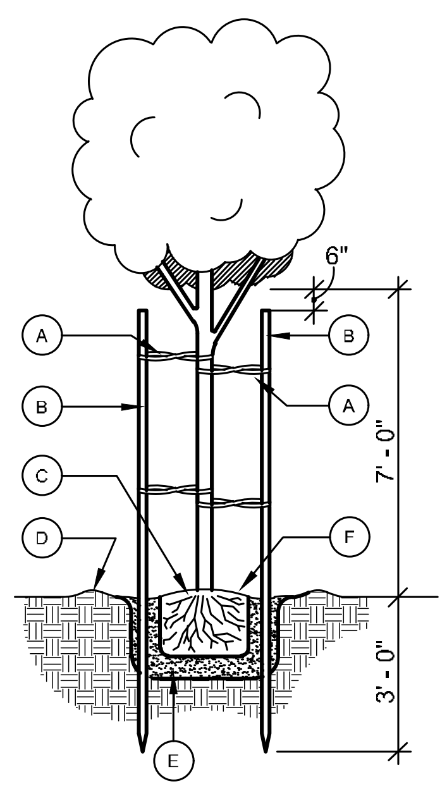
ADS100-57

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



11 A1.04 TYPICAL CHAIN LINK FENCE AND GATES

ADY100-01



KEY NOTES

Ⓐ TREE TIES TO BE APPROVED RUBBER OR PLASTIC STRAPS NAILED TO STAKES.

Ⓑ TREATED 2"x10' LODGE POLE STAKE TO BE SET VERTICAL.

Ⓒ TOP OF ROOT BALL IS TO BE SET SLIGHTLY ABOVE FINISH GRADE.

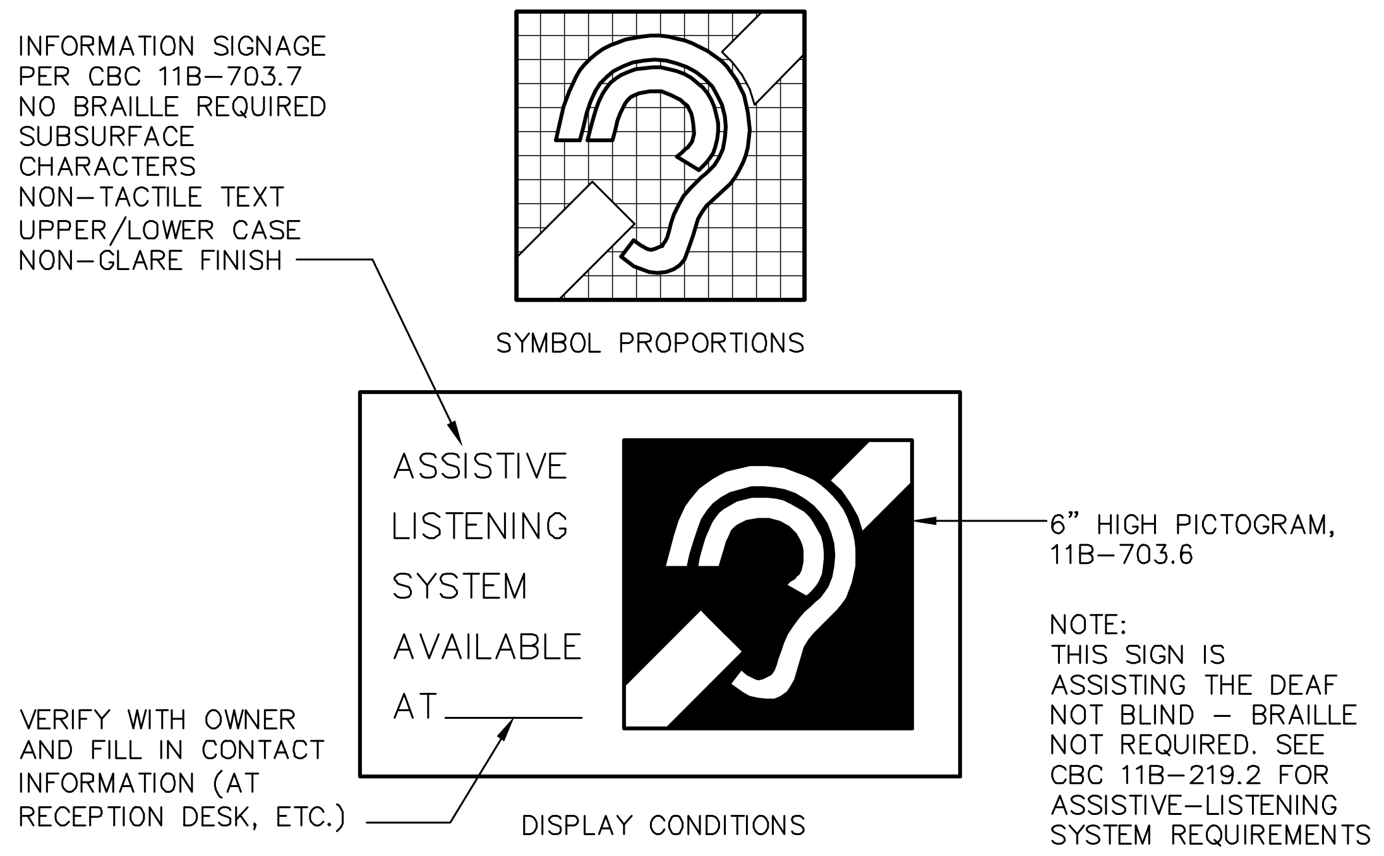
Ⓓ CONSTRUCT WATER BASIN TO THE DIAMETER NOTED BELOW WITH 3" BERM AROUND PERIMETER.

BERM DIAMETER	SIZE OF PLANT
36"	24" BOX

Ⓔ AGRIFORM PLANT FERTILIZER TABLETS.

Ⓕ FINISH GRADE, BARREN DIRT AROUND TREE

12 A1.04 TREE PLANTING NTS

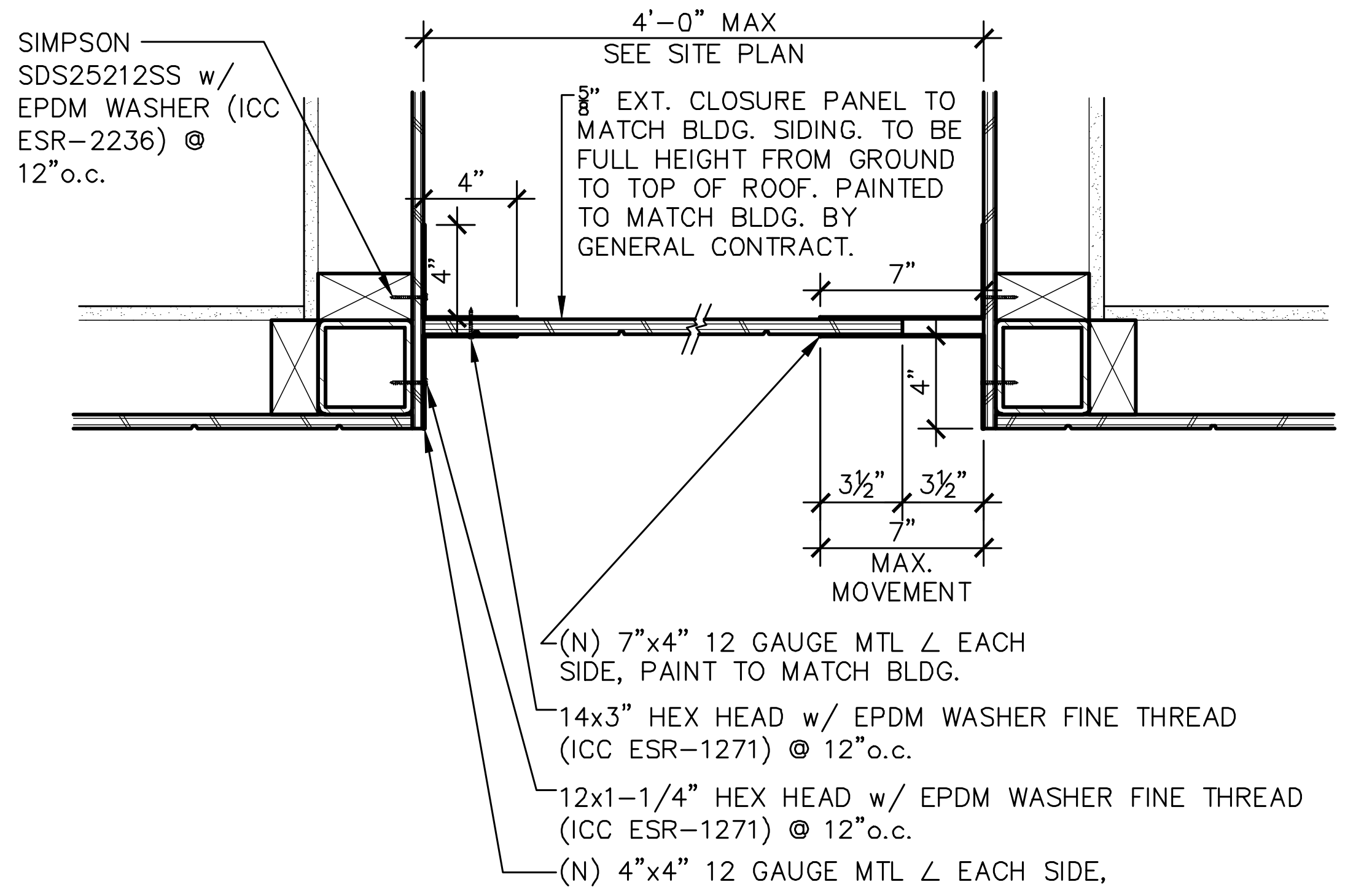

INFORMATION SIGNAGE PER CBC 11B-703.7 NO BRAILLE REQUIRED SUBSURFACE CHARACTERS NON-TACTILE TEXT UPPER/LOWER CASE NON-GLARE FINISH
SYMBOL PROPORTIONS
ASSISTIVE LISTENING SYSTEM AVAILABLE AT
6" HIGH PICTOGRAM, 11B-703.6
VERIFY WITH OWNER AND FILL IN CONTACT INFORMATION (AT RECEPTION DESK, ETC.)
DISPLAY CONDITIONS

NOTE:
THIS SIGN IS ASSISTING THE DEAF NOT BLIND – BRAILLE NOT REQUIRED. SEE CBC 11B-219.2 FOR ASSISTIVE-LISTENING SYSTEM REQUIREMENTS

5 A1.04 INTERNATIONAL SYMBOL OF ACCESS FOR HEARING IMPAIRED

ADA200-05

SCALE: 3" = 1'-0"


SIMPSON SDS25212SS w/ EPDM WASHER (ICC ESR-2236) @ 12"o.c.
4'-0" MAX SEE SITE PLAN
⅝" EXT. CLOSURE PANEL TO MATCH BLDG. SIDING. TO BE FULL HEIGHT FROM GROUND TO TOP OF ROOF. PAINTED TO MATCH BLDG. BY GENERAL CONTRACT.
4"
4"
7"
4"
3½"
3½"
7"
MAX. MOVEMENT
(N) 7"x4" 12 GAUGE MTL ∠ EACH SIDE, PAINT TO MATCH BLDG.
14x3" HEX HEAD w/ EPDM WASHER FINE THREAD (ICC ESR-1271) @ 12"o.c.
12x1-1/4" HEX HEAD w/ EPDM WASHER FINE THREAD (ICC ESR-1271) @ 12"o.c.
(N) 4"x4" 12 GAUGE MTL ∠ EACH SIDE, PAINT TO MATCH BLDG.

6 A1.04 PORTABLE CLOSURE PANEL

ADP100-03

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

TYPICAL FENCE & GATE KEYNOTES

① 2 7/8" O.D. GALVANIZED STEEL GATE POST (9.1 lb/ft)

② 2 7/8" O.D. GALVANIZED STEEL END OR CORNER POST (5.79 lb/ft)

③ 2" O.D. GALVANIZED STEEL GATE FRAME (2.72 lb/ft)

④ 1 5/8" O.D. GALVANIZED STEEL HORIZONTAL RAIL (2.27 lb/ft)

⑤ 2"x2" MESH x 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)

⑥ 1/4"x3/4" GALVANIZED STEEL STRETCHER BAR

⑦ GALVANIZED STEEL STRETCHER BAR TENSION BAND, MIN. OF 6 TENSION BANDS

⑧ 9 GAUGE (0.148" DIA.) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAX. SPACING. MIN. 8 TIE WIRES PER EACH 10' HORIZONTAL RAIL

⑨ GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIA. TRUSS ROD
3/8" DIA. GALVANIZED STEEL ADJUSTABLE TRUSS ROD.

⑩ TRUSS RODS REQUIRED FOR ALL GATE POST PANELS AND END OR CORNER POST PANELS

⑪ 3/8"x6" GALVANIZED HOOK BOLT W ITH NUT IMBEDDED IN MIDWAY BETWEEN POSTS

⑫ 7 GAUGE (0.177" DIA.) GALVANIZED STEEL TENSION WIRE

⑬ RAINPROOF CAP

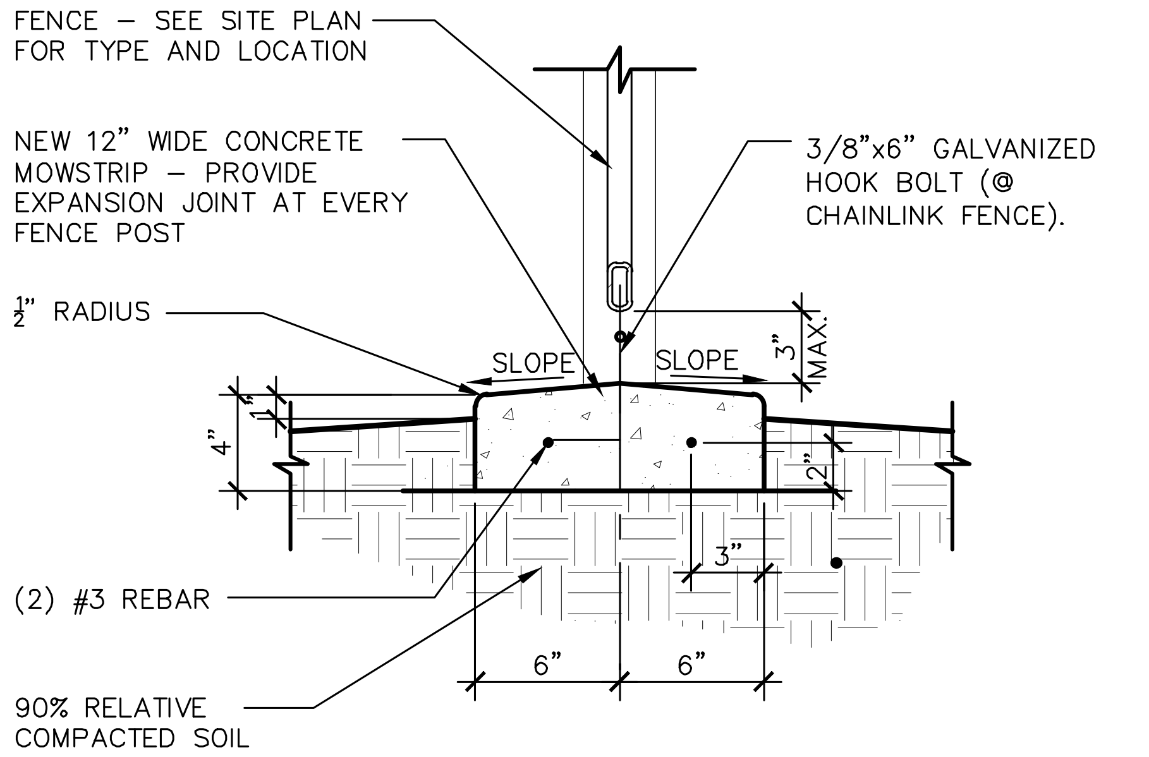
⑭ LOCKING HASP

⑮ 180° GATE HINGE, TYP

⑯ 12"ø CONCRETE POST FOOTING (TYP.)

⑰ EITHER NEW CONC. WALK PER DETAIL 10/A1.03 OR MOWSTRIP PER DETAIL 5/A1.03.SEE SITE PLAN

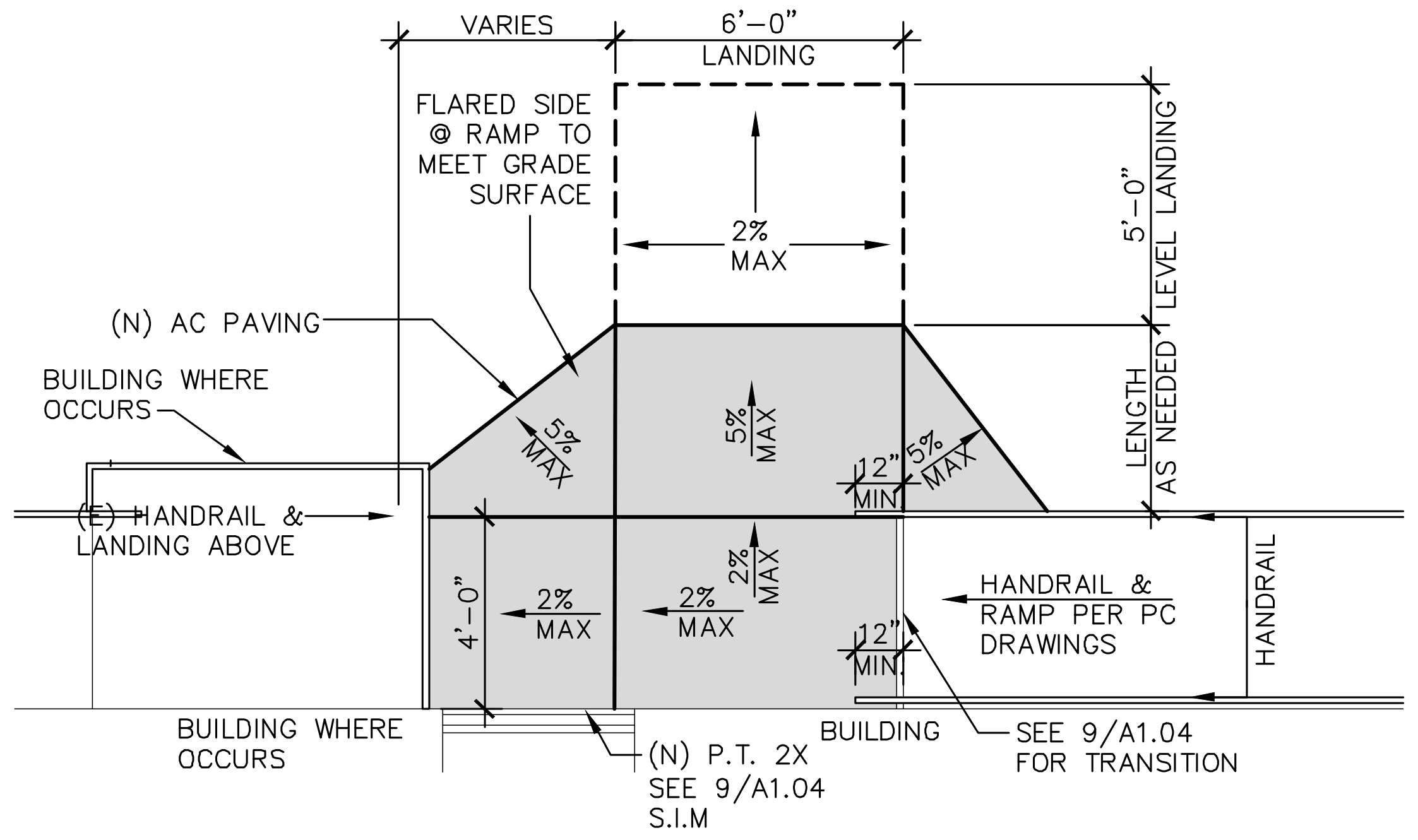
SCALE: N.T.S.


FENCE – SEE SITE PLAN FOR TYPE AND LOCATION
NEW 12" WIDE CONCRETE MOWSTRIP – PROVIDE EXPANSION JOINT AT EVERY FENCE POST
3/8"x6" GALVANIZED HOOK BOLT (@ CHAINLINK FENCE).
½" RADIUS
SLOPE
SLOPE
3" MAX.
4"
1"
2"
3"
(2) #3 REBAR
90% RELATIVE COMPACTED SOIL
6"
6"

8 A1.04 MOWSTRIP @ FENCE

ADS100-33

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

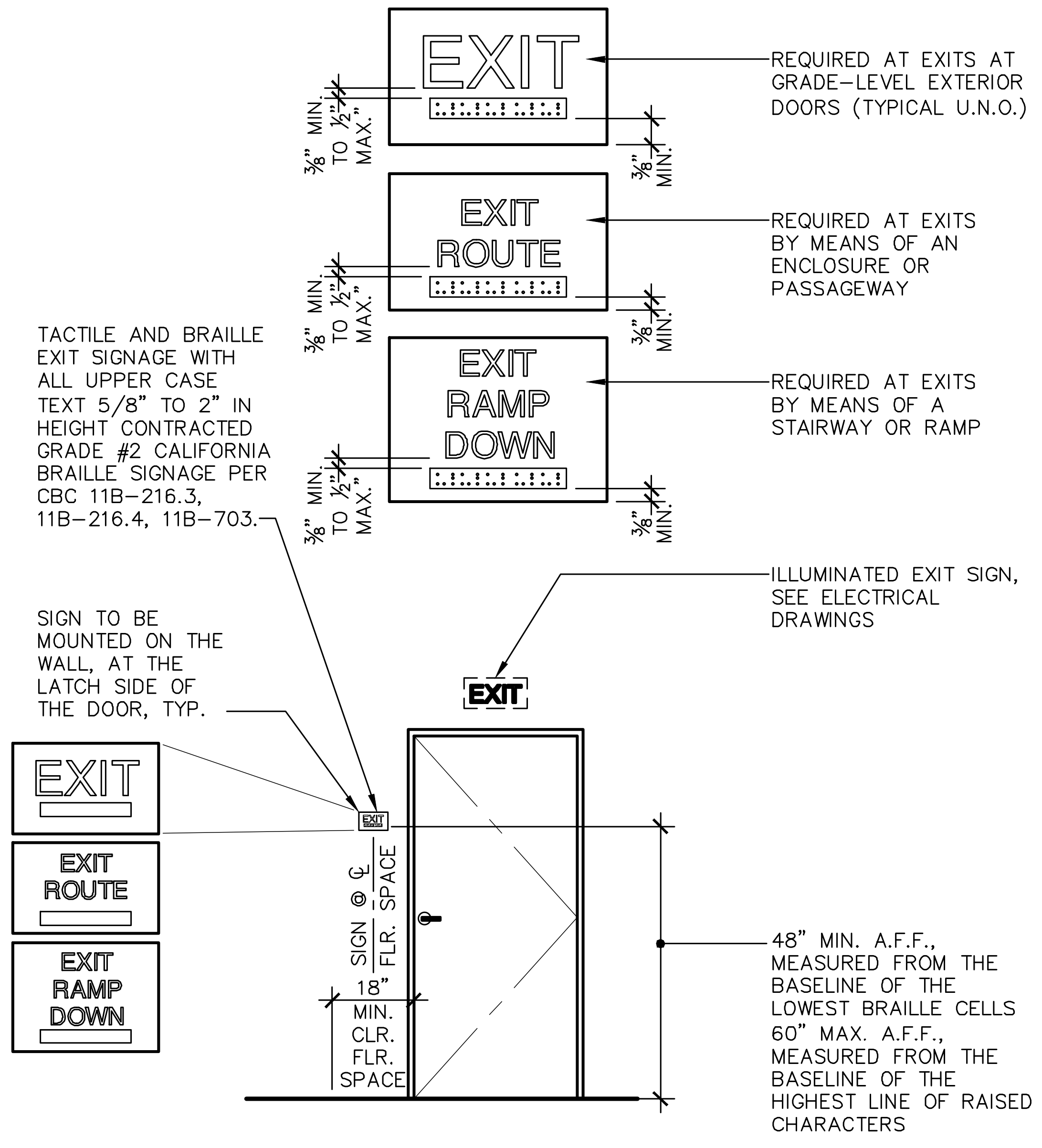


1 A1.04 AC RAMP TRANSITION

ADA000-03

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

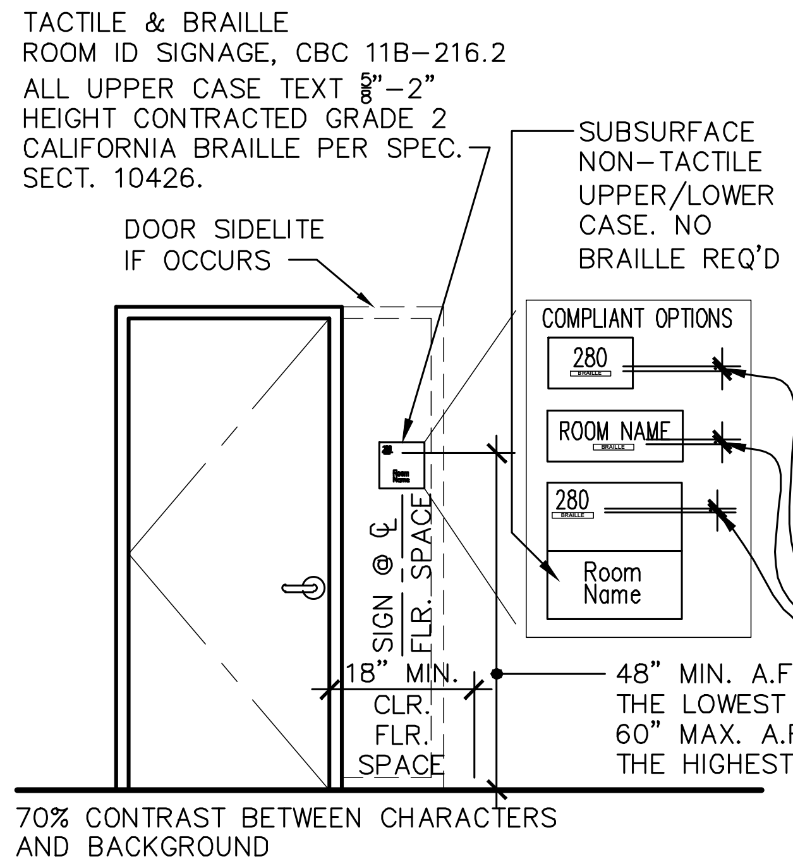
NOTES:
1. DOOR SIGNS TO BE CONSTRUCTED FROM 1/4" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS, (COUNTERSUNK,) AND ADHESIVE.


EXIT
REQUIRED AT EXITS AT GRADE-LEVEL EXTERIOR DOORS (TYPICAL U.N.O.)
⅜" MIN. TO ½" MAX.
⅜" MIN.
EXIT ROUTE
REQUIRED AT EXITS BY MEANS OF AN ENCLOSURE OR PASSAGEWAY
⅜" MIN. TO ½" MAX.
⅜" MIN.
EXIT RAMP DOWN
REQUIRED AT EXITS BY MEANS OF A STAIRWAY OR RAMP
⅜" MIN. TO ½" MAX.
⅜" MIN.
TACTILE AND BRAILLE EXIT SIGNAGE WITH ALL UPPER CASE TEXT 5/8" TO 2" IN HEIGHT CONTRACTED GRADE #2 CALIFORNIA BRAILLE SIGNAGE PER CBC 11B-216.3, 11B-216.4, 11B-703.
ILLUMINATED EXIT SIGN, SEE ELECTRICAL DRAWINGS
EXIT
SIGN TO BE MOUNTED ON THE WALL, AT THE LATCH SIDE OF THE DOOR, TYP.
EXIT
EXIT ROUTE
EXIT RAMP DOWN
SIGN @ ℄ FLR. SPACE
18" MIN. CLR. FLR. SPACE
48" MIN. A.F.F., MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS 60" MAX. A.F.F., MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS

3 A1.04 TYPICAL EXIT SIGNAGE

ADX200-01

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


TACTILE & BRAILLE ROOM ID SIGNAGE, CBC 11B-216.2 ALL UPPER CASE TEXT ⅝"-2" HEIGHT CONTRACTED GRADE 2 CALIFORNIA BRAILLE PER SPEC. SECT. 10426.
DOOR SIDELITE IF OCCURS
SUBSURFACE NON-TACTILE UPPER/LOWER CASE. NO BRAILLE REQ'D
COMPLIANT OPTIONS
280
BRAILLE
ROOM NAME
BRAILLE
280
BRAILLE
Room Name
SIGN @ ℄ FLR. SPACE
18" MIN. CLR. FLR. SPACE
⅜" MIN. TO ½" MAX.
48" MIN. A.F.F., MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS
60" MAX. A.F.F., MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS
70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND

NOTES:
1. DOOR SIGNS TO BE CONSTRUCTED FROM ¼" THICK PLASTIC OR HEAT STAMPED FIGURES. COLORS TO BE SELECTED BY ARCHITECT.
2. ATTACH SIGNS USING FOUR (4) FLATHEAD, STAINLESS STEEL, TAMPER PROOF SCREWS (COUNTERSUNK) AND ADHESIVE.
3. 70% CONTRAST BETWEEN CHARACTERS AND BACKGROUND PER CBC 11B-703.5.1
4. PERMANENT IDENTIFICATION FOR ROOMS AND SPACES OF A BUILDING OR SITE, SHALL USE RAISED LETTERS AND BE ACCOMPANIED BY GRADE 2 BRAILLE IN CONFORMANCE WITH CBC SECTION 11B-703.2

4 A1.04 ROOM ID SIGNAGE

ADX100-01

SCALE: NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
E: design@somam.com
integrateddesigns.com

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Stamp:
CURTIS E. FLYNN
No. C 28966
REN. 5-31-27

Sheet Title:

SITE DETAILS

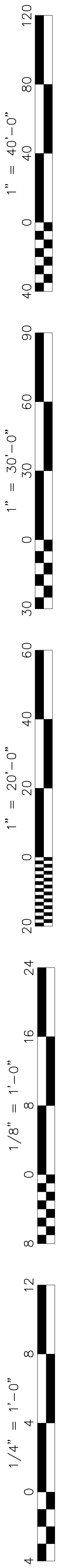
Job No.: 5682.3

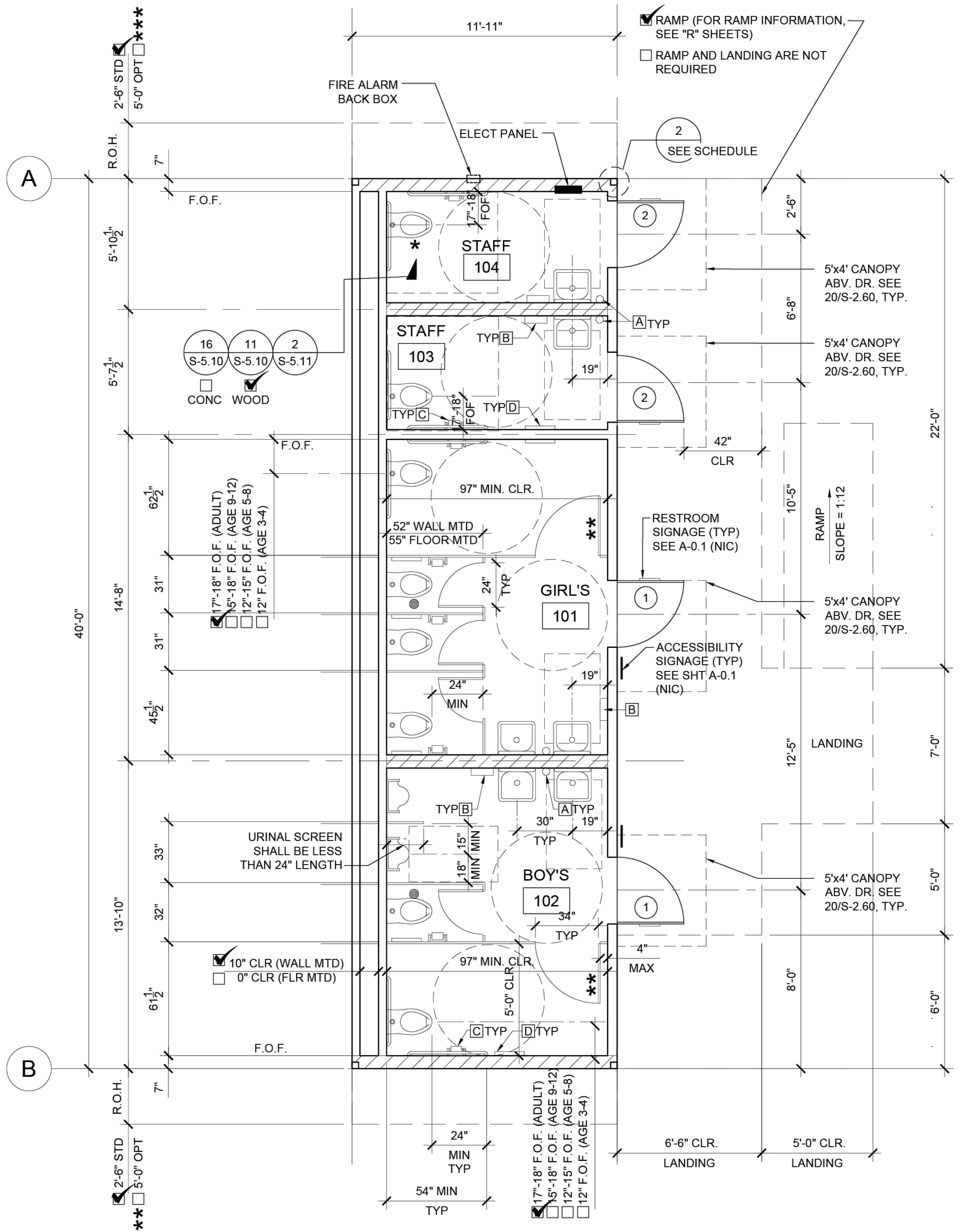
Sheet No.: A1.04

Release:

Issue Date 7/27/26

G:\2026frs\26-5682.3 BCSD CESAR CHAVEZ E.S. 3 RELOCATABLE CR BLDG\Sheets SEAN PARKER





BUILDING R-2
PC#04-122602
BUILDING CURRENTLY SUBMITTED UNDER
DSA APP#03-126209 FOR THIS SITE

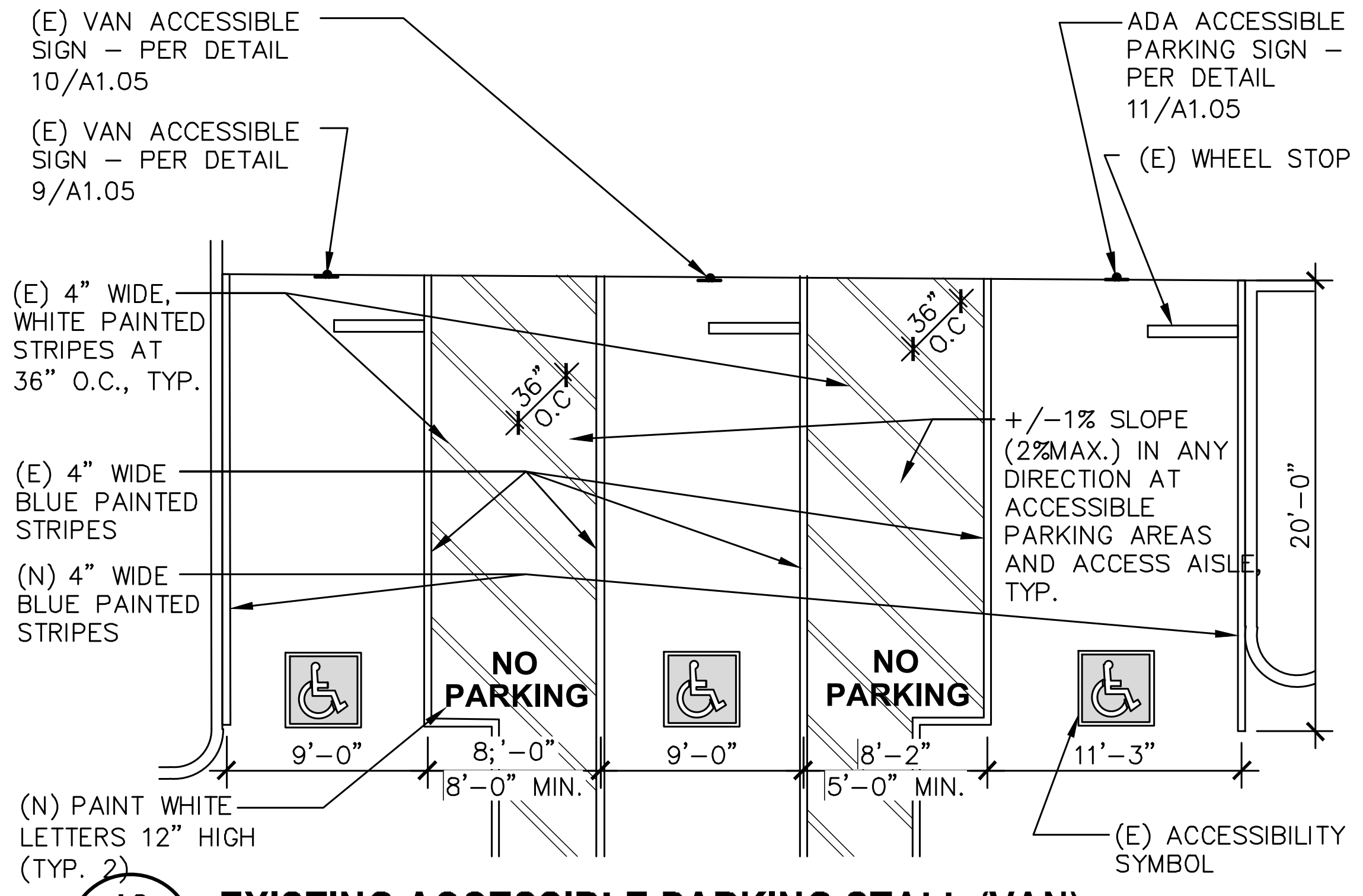
FOR REFERENCE ONLY

15 A1.05 (E) TOILET BUILDING FLOOR PLAN

9 A1.05 EXISTING ACCESSIBLE PARKING STALL (VAN)

10 A1.05 EXISTING ACCESSIBLE PARKING STALL (VAN)

11 A1.05 EXISTING ACCESSIBLE PARKING STALL


(E) VAN ACCESSIBLE SIGN – PER DETAIL 10/A1.05
(E) VAN ACCESSIBLE SIGN – PER DETAIL 9/A1.05
ADA ACCESSIBLE PARKING SIGN – PER DETAIL 11/A1.05
(E) WHEEL STOP
(E) 4" WIDE, WHITE PAINTED STRIPES AT 36" O.C., TYP.
36" O.C
(E) 4" WIDE BLUE PAINTED STRIPES
(N) 4" WIDE BLUE PAINTED STRIPES
+/–1% SLOPE (2%MAX.) IN ANY DIRECTION AT ACCESSIBLE PARKING AREAS AND ACCESS AISLE, TYP.
20'–0"
NO PARKING
NO PARKING
9'–0"
8;'–0"
8'–0" MIN.
9'–0"
8'–2"
5'–0" MIN.
11'–3"
(N) PAINT WHITE LETTERS 12" HIGH (TYP. 2)
(E) ACCESSIBILITY SYMBOL

12 A1.05 EXISTING ACCESSIBLE PARKING STALL (VAN)

ADA100–15

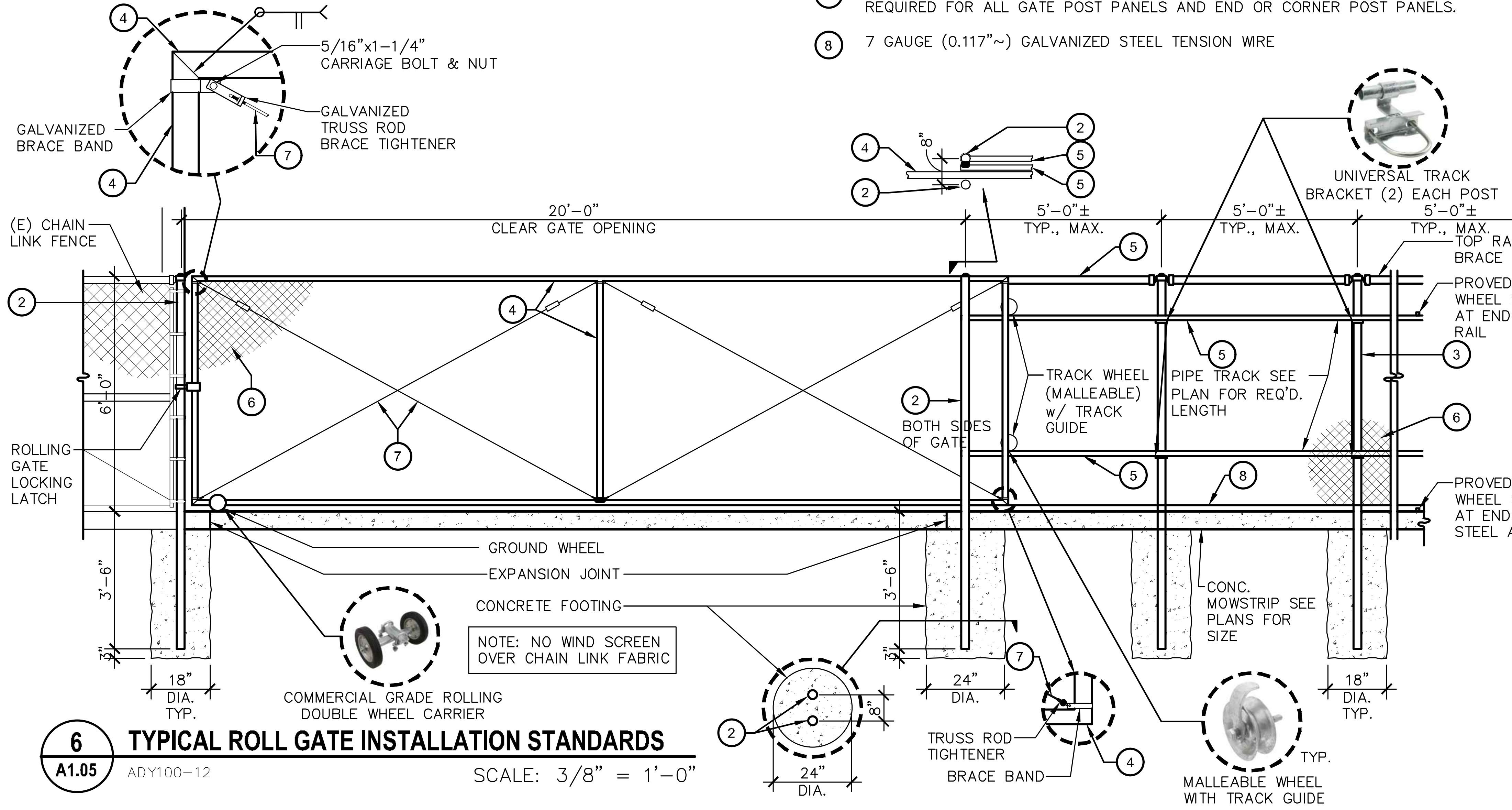
SCALE: 1/8" = 1'–0"

NOTES ON ROLL GATE

1. TYPICAL DETAIL DEPICTS GATE ROLLING RIGHT TO LEFT WHEN VIEWED FROM WITHIN SCHOOL SITE. THE CONTRACTOR SHALL INSTALL THE GATE SUCH THAT IT ROLLS EITHER RIGHT TO LEFT OR LEFT TO RIGHT AS SHOWN ON THE INDIVIDUAL SITE CONSTRUCTION PLAN
2. THE TYPICAL DETAIL DEPICTS ONLY TWO PANELS OF TRACK PIPE THE CONTRACTOR SHALL INSTALL THE PROPER NUMBERS OF PANELS AT 5'? CENTER TO CENTER SPACING AS REQUIRED TO HANG THE GATE
3. THE CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS TO TO THE GATE LOCKING LATCH THAT MAY BE REQUIRED TO INSTALL THE LATCH IN A NON STANDARD LOCATION IF SHOWN ON THE SITE CONSTRUCTION PLANS.

FENCE ITEMS TO BE FURNISHED & INSTALLED

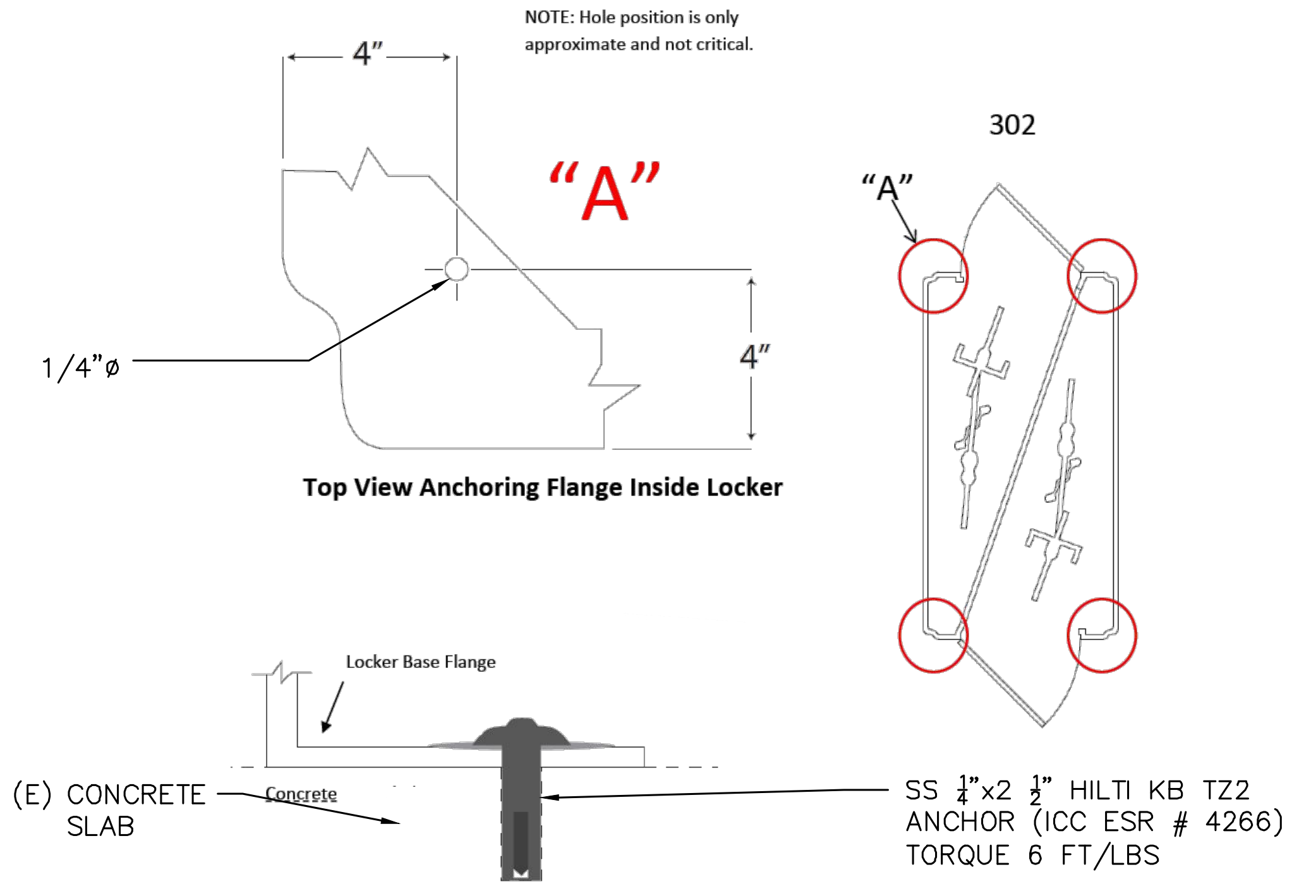
① NOT USED
② 2 7/8" O.D. GALVANIZED STEEL END ANGLE OR CORNER POST (5.79 lb/ft),
③ 2 3/4" O.D. GALVANIZED STEEL LINE POST (3.65 lb/ft.)
④ 2" O.D. GALVANIZED STEEL GATE FRAME)2.72 lb/fT.
⑤ 1 5/8" O.D. GALVANIZED STEEL HORIZONTAL RAIL (227 lb/ft.)
⑥ 2"x2" MESH x 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)
⑦ 3/8" DIAMETER GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS AND END OR CORNER POST PANELS.
⑧ 7 GAUGE (0.117"~) GALVANIZED STEEL TENSION WIRE


4
5/16"x1–1/4" CARRIAGE BOLT & NUT
GALVANIZED BRACE BAND
GALVANIZED TRUSS ROD BRACE TIGHTENER
7
(E) CHAIN LINK FENCE
20'–0" CLEAR GATE OPENING
5'–0"± TYP., MAX.
5'–0"± TYP., MAX.
5'–0"± TYP., MAX.
UNIVERSAL TRACK BRACKET (2) EACH POST
8"
TOP RAIL BRACE
PROVED WHEEL STOP AT END OF RAIL
2
6
6'–0"
ROLLING GATE LOCKING LATCH
TRACK WHEEL (MALLEABLE) w/ TRACK GUIDE
PIPE TRACK SEE PLAN FOR REQ'D. LENGTH
BOTH SIDES OF GATE
3
PROVED WHEEL STOP AT END OF STEEL ANGLE
GROUND WHEEL
EXPANSION JOINT
CONCRETE FOOTING
3'–6"
3"
NOTE: NO WIND SCREEN OVER CHAIN LINK FABRIC
CONC. MOWSTRIP SEE PLANS FOR SIZE
18" DIA. TYP.
COMMERCIAL GRADE ROLLING DOUBLE WHEEL CARRIER
24" DIA.
24" DIA.
TRUSS ROD TIGHTENER
BRACE BAND
MALLEABLE WHEEL WITH TRACK GUIDE
TYP.
18" DIA. TYP.

6 A1.05 TYPICAL ROLL GATE INSTALLATION STANDARDS

ADY100–12

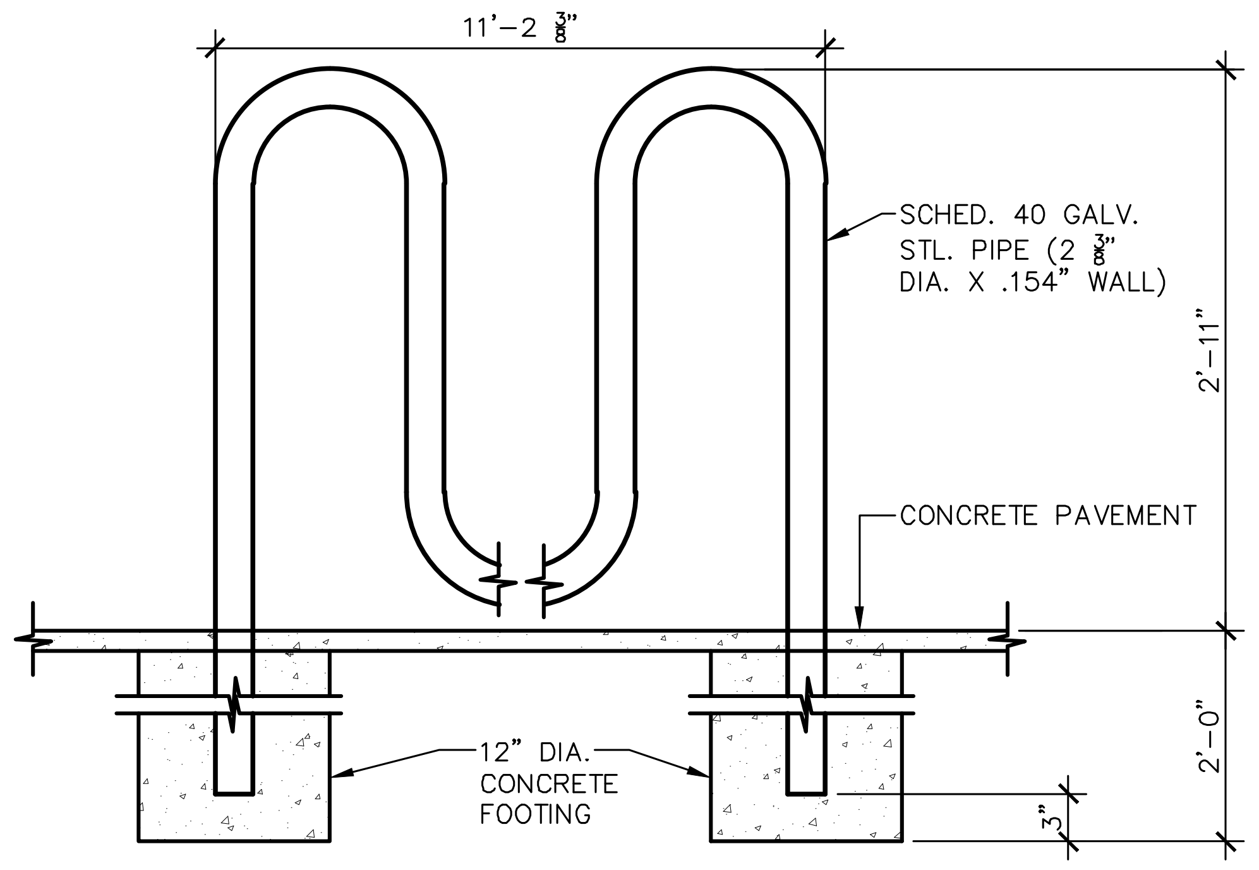
SCALE: 3/8" = 1'–0"


NOTE: Hole position is only approximate and not critical.
4"
"A"
1/4"ø
4"
Top View Anchoring Flange Inside Locker
302
"A"
Locker Base Flange
(E) CONCRETE SLAB
Concrete
SS ¼"x2 ½" HILTI KB TZ2 ANCHOR (ICC ESR # 4266) TORQUE 6 FT/LBS

7 A1.05 STAFF BICYCLE LOCKER ANCHORING

MODEL #302–ECO

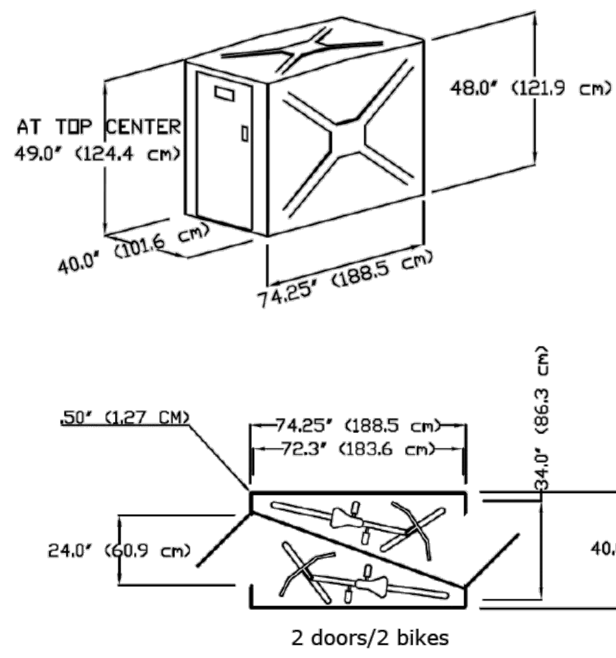
SCALE: N.T.S.


11'–2 ⅜"
SCHED. 40 GALV. STL. PIPE (2 ⅜" DIA. X .154" WALL)
2'–11"
CONCRETE PAVEMENT
12" DIA. CONCRETE FOOTING
2'–0"
3"

3 A1.05 BIKE RACK (16 BIKES)

ADQ130–02

SCALE: 1" = 1'–0"



Product	Bike-Shell™ Model 302-ECO
Capacity	2 doors/2 Bikes
Materials	Locker shall be manufactured of molded fiberglass reinforced 25% recycled plastic composite with a smooth "X" pattern on stippled walls and top, with smooth door frame and stippled door. Material shall be E-glass and polyester resin at 35% ratio. **MADE WITH 11% RECYCLED CONTENT** Tensile Strength, 18,000 psi. Locker shall be one piece with no external or internal frame and no seams or joints on tops or side walls. Material shall withstand over 300 lb/sqft on roof and 200 lb/sqft on walls/doors. **NO ON SITE ASSEMBLY SHALL BE REQUIRED.** Roof shall be crowned for water run-off and all corners shall have a smooth radiused finish. Finish of UV stabilized gelcoat does not need painting, allows solvent removal of graffiti and is resistant to impact and UV damage. Interior divider wall on model 302 shall be sealed OSB exterior board and bottom edge shall be a minimum of 1" above ground level.
Setback	Please allow 5ft clearance for both doors

4 A1.05 STAFF BICYCLE LOCKER (2 BIKES)

MODEL #302–ECO

SCALE: N.T.S.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
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CURTIS E. FLYNN
No. C 28966
REN. 5-31-27

Sheet Title:

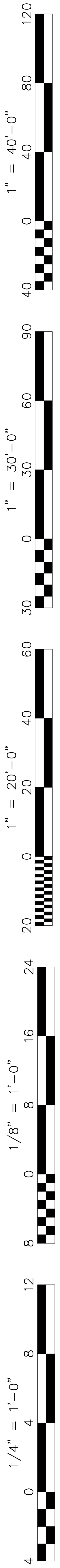
SITE DETAILS

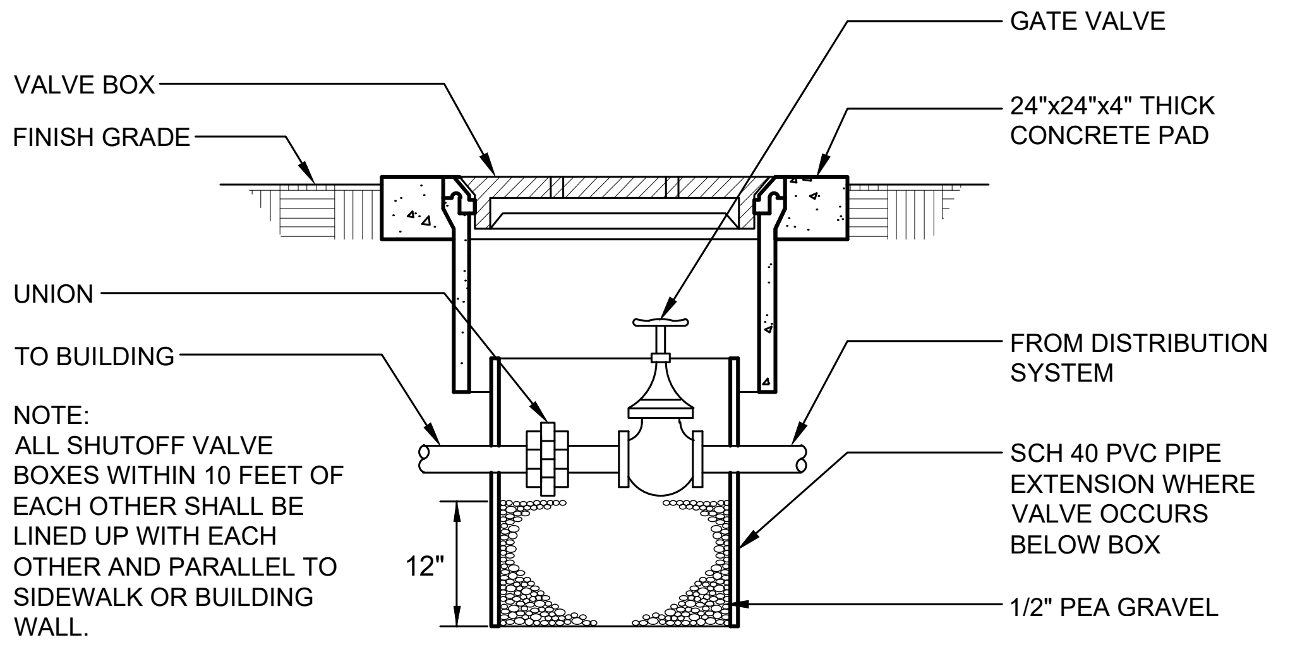
Job No.: **5682.3**

Sheet No.: **A1.05**

Release:

Issue Date

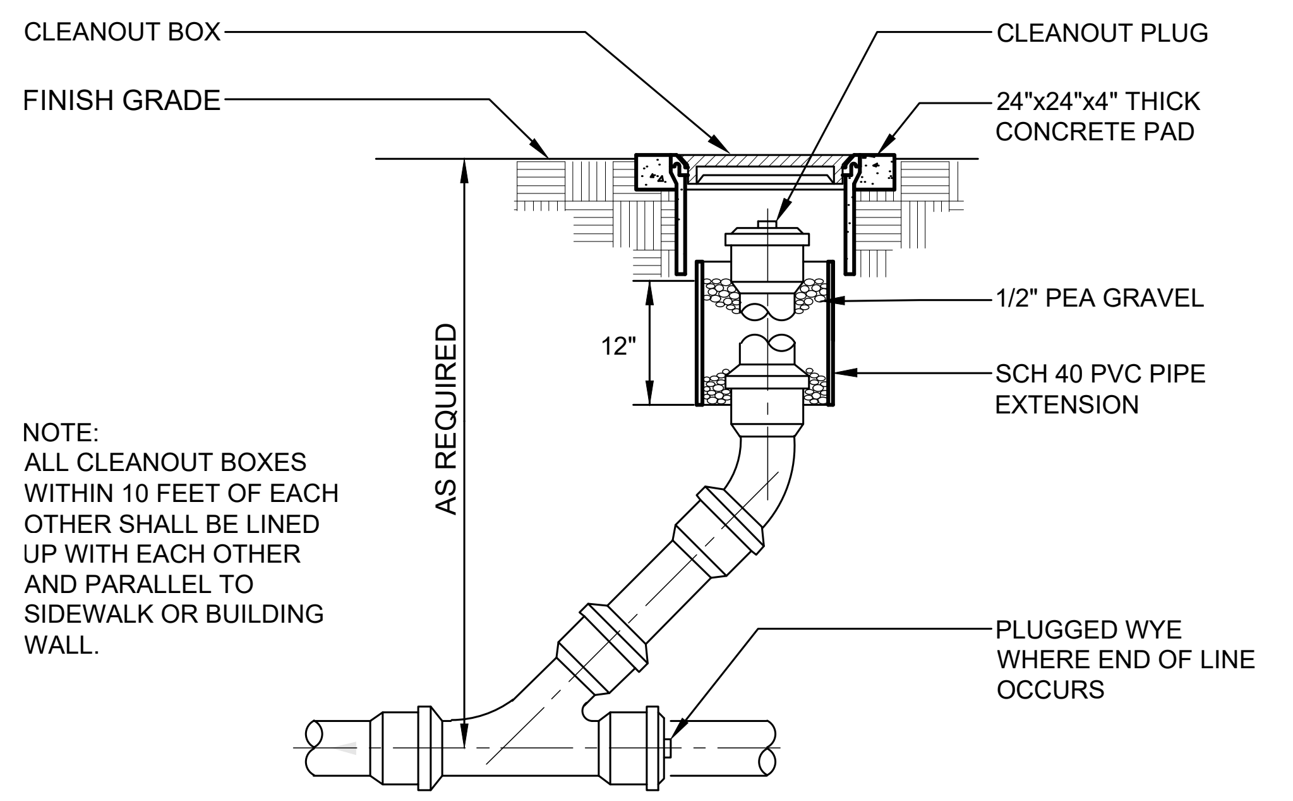




NOTE:
ALL SHUTOFF VALVE BOXES WITHIN 10 FEET OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDEWALK OR BUILDING WALL.

1 P0.01 SHUTOFF VALVE IN BOX

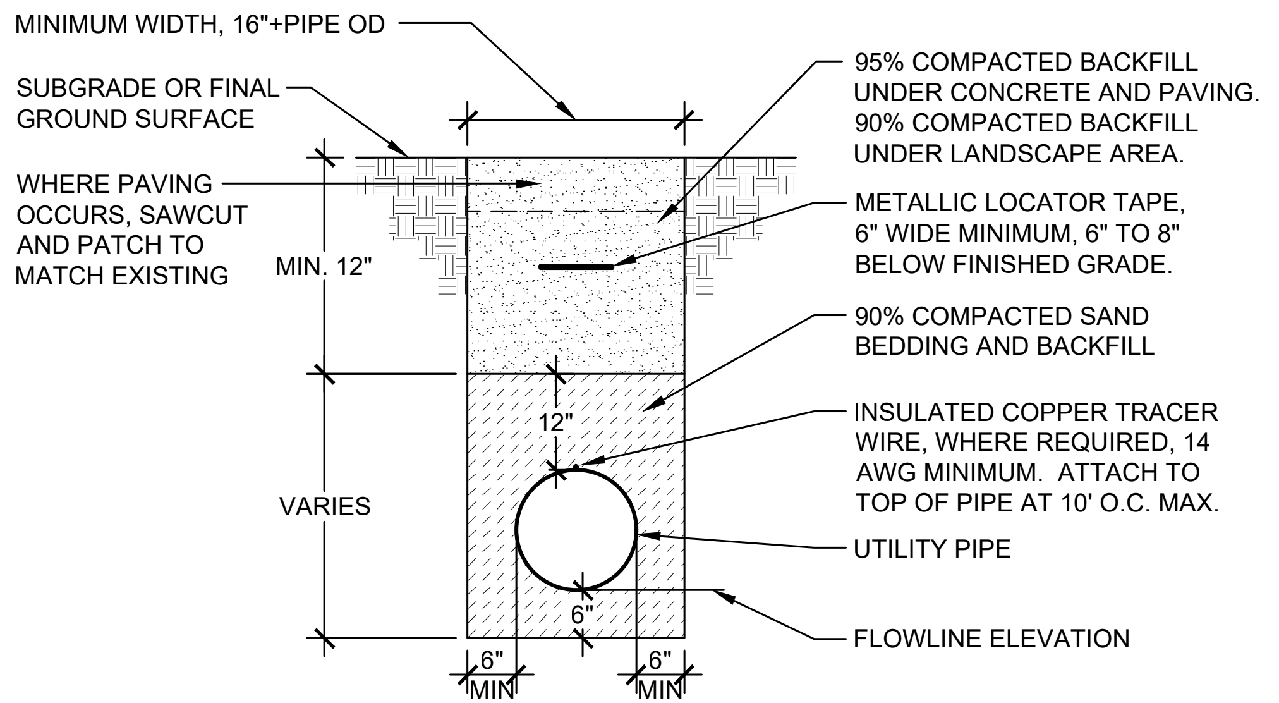
SCALE: N.T.S.


CLEANOUT BOX
CLEANOUT PLUG
FINISH GRADE
24"x24"x4" THICK CONCRETE PAD
1/2" PEA GRAVEL
12"
AS REQUIRED
SCH 40 PVC PIPE EXTENSION
PLUGGED WYE WHERE END OF LINE OCCURS

NOTE:
ALL CLEANOUT BOXES WITHIN 10 FEET OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDEWALK OR BUILDING WALL.

2 P0.01 CLEANOUT TO GRADE (COTG)

SCALE: N.T.S.


MINIMUM WIDTH, 16"+PIPE OD
SUBGRADE OR FINAL GROUND SURFACE
95% COMPACTED BACKFILL UNDER CONCRETE AND PAVING. 90% COMPACTED BACKFILL UNDER LANDSCAPE AREA.
WHERE PAVING OCCURS, SAWCUT AND PATCH TO MATCH EXISTING
METALLIC LOCATOR TAPE, 6" WIDE MINIMUM, 6" TO 8" BELOW FINISHED GRADE.
MIN. 12"
90% COMPACTED SAND BEDDING AND BACKFILL
12"
INSULATED COPPER TRACER WIRE, WHERE REQUIRED, 14 AWG MINIMUM. ATTACH TO TOP OF PIPE AT 10' O.C. MAX.
VARIES
UTILITY PIPE
6"
FLOWLINE ELEVATION
6" MIN
6" MIN

3 P0.01 PIPE TRENCH

SCALE: N.T.S.

GENERAL NOTES

A. THE PLANS AND SPECIFICATIONS DESCRIBE THE PLUMBING WORK OF THIS PROJECT. ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH. PROVIDE THE NECESSARY LABOR, MATERIALS, EQUIPMENT, TOOLS, AND SERVICES FOR A COMPLETE FUNCTIONING SYSTEM.

B. ALL LOCATIONS OF EXISTING UTILITIES, EQUIPMENT, AND PIPING SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK, INCLUDING EXACT LOCATION, SIZE, SERVICE, AND ROUTING OF EXISTING UTILITIES AND PIPING. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY EXISTING CONDITIONS WHICH MAY CONFLICT WITH INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS.

C. PLUMBING LAYOUTS INDICATED ON PLANS ARE DIAGRAMMATIC ONLY. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. EXACT LOCATION OF EQUIPMENT AND PIPES SHALL BE COORDINATED WITH OTHER TRADES.

D. PROVIDE CLEANOUTS PER CPC SECTIONS 707, 719, AND 1101.13.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-22 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2025 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP☐ MD☐ PP☒ E☐ OPTION 1: PROJECT-SPECIFIC DESIGN.

MP☐ MD☐ PP☐ E☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP☐ MD☐ PP☐ E☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
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EXP. 6-30-28
MECHANICAL

Sheet Title:

GENERAL NOTES - DETAILS

Job No.:

5682.3

Sheet No.:

P0.01

Release:

Issue Dat

G:\2026frs\26-5682.3 BCSD CESAR CHAVEZ E.S. 3 RELOCATABLE CR BLDG\Sheets SEAN PARKER 7/2/26

1" = 40'-0"

1" = 30'-0"

1" = 20'-0"

1/8" = 1'-0"

1/4" = 1'-0"

GENERAL MECHANICAL SPECIFICATIONS

1. CODES AND REGULATIONS:
   ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

   A. CALIFORNIA CODE OF REGULATIONS, TITLE 8, INDUSTRIAL RELATIONS
   B. CALIFORNIA CODE OF REGULATIONS, TITLE 17, PUBLIC HEALTH
   C. CALIFORNIA CODE OF REGULATIONS, TITLE 20, SECTION 1601 ET SEQ., APPLIANCE EFFICIENCY REGULATIONS
   D. CALIFORNIA CODE OF REGULATIONS, TITLE 24, BUILDING STANDARDS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
      i. PART 1: CALIFORNIA ADMINISTRATIVE CODE - CAC - 2025
      ii. PART 2: CALIFORNIA BUILDING CODE - CBC - 2025
      iii. PART 3: CALIFORNIA ELECTRICAL CODE - CEC - 2025
      iv. PART 4: CALIFORNIA MECHANICAL CODE - CMC - 2025
      v. PART 5: CALIFORNIA PLUMBING CODE - CPC - 2025
      vi. PART 6: CALIFORNIA ENERGY CODE - CEEC - 2025
      vii. PART 9: CALIFORNIA FIRE CODE - CFC - 2025
      viii. PART 11: CALIFORNIA GREEN BUILDING STANDARDS CODE - CALGREEN - 2025
   E. CITY OF BAKERSFIELD STANDARDS
   F. BAKERSFIELD CITY SCHOOL DISTRICT STANDARDS

2. PERMIT AND FEES:
   THE CONTRACTOR SHALL TAKE OUT ALL PERMITS AND ARRANGE FOR ALL TESTS IN CONNECTION WITH HIS WORK AS REQUIRED. ALL CHARGES ARE TO BE INCLUDED IN THE WORK.

3. WORK BY OTHERS:
   UNLESS OTHERWISE NOTED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING AND DISCONNECTS.

4. GUARANTEE:
   THE CONTRACTOR SHALL REPAIR ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WHICH APPEARS WITHIN A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.

5. DAMAGES BY LEAKS:
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED BY LEAKS IN THE TEMPORARY OR PERMANENT PIPING SYSTEMS PRIOR TO COMPLETION OF WORK AND DURING THE PERIOD OF THE GUARANTEE, AND FOR DAMAGES CAUSED BY DISCONNECTED PIPES OR FITTINGS, AND THE OVERFLOW OF EQUIPMENT PRIOR TO COMPLETION OF THE WORK.

6. EXISTING UTILITIES:
   A. THE ENGINEER HAS INDICATED ON THE PLANS THE LOCATION OF KNOWN EXISTING UTILITIES WITHIN THE WORK AREA. THE LOCATION OF SAID UTILITIES SHALL BE CONSIDERED APPROXIMATE ONLY, UNTIL EXPOSED BY THE CONTRACTOR.
   B. SERVICE LATERALS HAVE BEEN SHOWN WHERE INFORMATION WAS AVAILABLE. THE LOCATION OF SAID UTILITIES SHALL BE CONSIDERED APPROXIMATE ONLY, UNTIL EXPOSED BY THE CONTRACTOR.
   C. CONTRACTOR SHALL VERIFY UTILITIES WITHIN THE WORK AREA, INCLUDING USING HAND METHOD. CONTRACT SHALL PROTECT ALL EXISTING UTILITIES NOT DESIGNATED TO BE REMOVED.
   D. MAINTAIN EXISTING UTILITY MAINS AND SERVICE LINES IN CONSTANT SERVICE DURING CONSTRUCTION OF THE WORK. COORDINATE ALL SHUT-DOWNS WITH MAINTENANCE STAFF TO MINIMIZE INTERRUPTION OF SERVICE.

7. COMPATIBILITY WITH EXISTING SYSTEMS:
   ANY WORK WHICH IS DONE AS AN ADDITION, EXPANSION OR REMODEL OF AN EXISTING SYSTEM SHALL BE COMPATIBLE WITH THAT SYSTEM.

8. DEMOLITION AS INDICATED ON DRAWINGS:
   WHERE DEMOLITION IS CALLED FOR, REMOVE ALL EQUIPMENT, FIXTURES, DUCTWORK, PIPING, PANELS, WIRING, CONDUIT, HOUSEKEEPING PADS, BRACES, SUPPORTS, AND ALL RELATED ITEMS NO LONGER REQUIRED.

9. MATERIALS, EQUIPMENT, AND INSTALLATION:
   A. EACH ITEM REFERRED TO ON THE PLANS AND IN THE SPECIFICATIONS REPRESENTS THE STANDARD OF QUALITY DESIRED FOR MATERIALS, EQUIPMENT, AND INSTALLATION.
   B. ALL SUBSTITUTIONS MUST BE REVIEWED IN WRITING BY THE ENGINEER.
   C. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND FREE FROM DEFECTS. MATERIALS AND EQUIPMENT OF A GIVEN TYPE SHALL BE BY THE SAME MANUFACTURER.
   D. ALL INSTALLATIONS SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND AS SHOWN ON PLANS.
   E. MATERIALS AND EQUIPMENT SHALL BE COVERED OR OTHERWISE PROTECTED DURING CONSTRUCTION AS REQUIRED TO MAINTAIN THE MATERIAL AND EQUIPMENT IN NEW FACTORY CONDITION UNTIL PROJECT ACCEPTANCE.

10. SUBMITTALS:
    A. SHOP DRAWINGS - WITHIN 30 DAYS OF CONTRACT AWARD, THE CONTRACTOR SHALL SUBMIT ELECTRONIC SUBMITTALS AS PDF ELECTRONIC FILES OF SHOP DRAWINGS FOR ALL MATERIALS, EQUIPMENT, ETC. PROPOSED FOR USE ON THIS PROJECT. MATERIAL OR EQUIPMENT SHALL NOT BE ORDERED OR INSTALLED UNTIL WRITTEN REVIEW IS PROCESSED BY THE ENGINEER. ANY ITEM OMITTED FROM THE SUBMITTAL SHALL BE PROVIDED AS SPECIFIED WITHOUT SUBSTITUTION.
    B. SOURCE LIMITATIONS - MATERIALS AND EQUIPMENT OF A GIVEN TYPE SHALL BE BY THE SAME MANUFACTURER.
    C. SUBSTITUTIONS - MANUFACTURERS AND MODEL NUMBERS LISTED IN THE SPECIFICATIONS OR ON THE DRAWINGS REPRESENT THE STANDARD OF QUALITY AND FEATURES DESIRED. WHERE EQUIPMENT IS SCHEDULED ON THE DRAWINGS, ANY EQUIPMENT SUBMITTED OTHER THAN SCHEDULED EQUIPMENT IS CONSIDERED A SUBSTITUTION. UNLESS OTHERWISE NOTED, ALTERNATE MANUFACTURERS MAY BE SUBMITTED FOR REVIEW BY THE ENGINEER. A COMPLETED AND SIGNED SUBSTITUTION REQUEST FORM SHALL BE INCLUDED. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY THAT SUBSTITUTED ITEMS OR PROCEDURES WILL MEET THE SPECIFICATION AND JOB REQUIREMENTS AND SHALL BE RESPONSIBLE FOR THE COST OF REDESIGN AND MODIFICATIONS TO THE WORK CAUSED BY THESE ITEMS.

11. EXCAVATION AND BACKFILL:
    A. GENERAL - BARREL OF PIPE SHALL HAVE UNIFORM SUPPORT ON SAND BED. SAND SHALL BE FREE FROM CLAY OR ORGANIC MATERIAL, SUITABLE FOR THE PURPOSE INTENDED AND SHALL BE OF SUCH SIZE THAT 90% TO 100% WILL PASS A NO. 4 SIEVE AND NOT MORE THAN 5% WILL PASS A NO. 200 SIEVE. UNLESS OTHERWISE NOTED, MINIMUM EARTH COVER ABOVE TOP OF PIPE OR TUBING OUTSIDE BUILDING WALLS SHALL BE 24", NOT INCLUDING BASE AND PAVING IN PAVED AREAS.
    B. EXCAVATION - WIDTH OF TRENCHES AT TOP OF PIPE SHALL BE MINIMUM OF 16", PLUS THE OUTSIDE DIAMETER OF THE PIPE. PROVIDE ALL SHORING REQUIRED BY SITE CONDITIONS. WHERE OVER EXCAVATION OCCURS, PROVIDE COMPACTED SAND BACKFILL TO PIPE BOTTOM. WHERE GROUNDWATER IS ENCOUNTERED, REMOVE TO KEEP EXCAVATION DRY, USING WELL POINTS AND PUMPS AS REQUIRED.
    C. BACKFILL:
       i. 6" BELOW, AROUND, AND TO 12" ABOVE PIPE - MATERIAL SHALL BE SAND. PLACE CAREFULLY AROUND AND ON TOP OF PIPE, TAKING CARE NOT TO DISTURB PIPING, CONSOLIDATE WITH VIBRATOR.
       ii. ONE FOOT ABOVE PIPE TO GRADE - MATERIAL SHALL BE SANDY OR SILTY LOAM, FREE OF LUMPS, LAID IN 6" LAYERS, UNIFORMLY MIXED TO PROPER MOISTURE AND COMPACTED TO REQUIRED DENSITY. IF BACKFILL IS DETERMINED TO BE SUITABLE AND REQUIRED COMPACTION IS DEMONSTRATED BY LABORATORY TEST, WATER COMPACTION IN 6" LAYERS MAY BE USED, SUBJECT TO REVIEW BY ENGINEER.
    D. COMPACTION - COMPACT TO DENSITY OF 95% WITHIN BUILDING AND UNDER WALKWAYS, DRIVEWAYS, TRAFFIC AREAS, PAVED AREAS, ETC. AND TO 90% ELSEWHERE. DEMONSTRATE PROPER COMPACTION BY TESTING AT TOP, BOTTOM AND ONE-HALF OF THE TRENCH DEPTH. PERFORM THESE TESTS AT THREE LOCATIONS PER 100 FEET OF TRENCH.

12. PROTECTION FOR UNDERGROUND PIPING:
    A. ALL FERROUS PIPE BELOW GRADE (EXCEPT CAST IRON) SHALL BE ENCASED IN POLYETHYLENE TUBE, MINIMUM 8 MIL THICK, ANSI/AWWA C105/A21.5. POLYWRAP.
       OR SHALL HAVE A FACTORY APPLIED PROTECTIVE COATING OF EXTRUDED HIGH DENSITY POLYETHYLENE, 35 TO 70 MILS TOTAL THICKNESS. PROTECTIVE COATING SHALL BE EXTENDED 6" ABOVE SURROUNDING GRADE. X-TRU-COAT, SCOTCHKOTE.
    B. ALL FERROUS PIPE FITTINGS AND AREAS OF DAMAGED COATING SHALL BE COVERED WITH TWO LAYERS DOUBLE WRAP OF 10 MIL POLYVINYL TAPE TO TOTAL THICKNESS OF 40 MILS. JOHNS-MANVILLE.
    C. DETECTABLE WARNING TAPE - PREPRINTED WITH A DESCRIPTION OF UNDERGROUND UTILITY, COLOR CODED, A MINIMUM OF 6" WIDE AND 4 MILS THICK, METALLIC RIBBON MARKER CAPABLE OF BEING LOCATED WITH A METAL DETECTOR. CHRISTY, SETON.
    D. TRACER WIRE - MINIMUM 14 AWG COPPER, CORROSION RESISTANT POLYETHYLENE INSULATED FOR DIRECT BURIAL. AGAVE WIRE, SOUTHWIRE.

13. PIPES PASSING THROUGH FIRE RATED SURFACES:
    PIPES PASSING THROUGH FIRE RATED WALLS, FLOORS, CEILINGS, PARTITIONS, ETC. SHALL HAVE THE ANNULAR SPACE SURROUNDING THE PIPE OR PIPE INSULATION SEALED WITH FIRE RATED MATERIALS IN ACCORDANCE WITH THE REQUIREMENTS OF CBC SECTION 714 AND THE FIRE AUTHORITY HAVING JURISDICTION.

14. HOUSEKEEPING PAD:
    HOUSEKEEPING PADS SHALL BE 6" HIGH CONCRETE, 3,000 PSI COMPRESSIVE STRENGTH, UNLESS OTHERWISE NOTED. PAD SHALL EXTEND 6" BEYOND THE LARGEST DIMENSIONS OF THE EQUIPMENT, UNLESS OTHERWISE NOTED. THE TOP EDGE OF THE PAD SHALL HAVE A 3/4" CHAMFER. THE PAD SHALL HAVE #4 REINFORCING BARS AT 12" ON CENTER, EACH WAY, LOCATED AT THE MID-DEPTH OF THE PAD.

15. CONCRETE ANCHORS:
    STEEL BOLT WITH EXPANSION ANCHOR REQUIRING A DRILLED HOLE - POWDER DRIVEN ANCHORS, ADHESIVE ANCHORS AND CONCRETE SCREWS ARE NOT ACCEPTABLE. REUSE OF SCREW ANCHOR HOLES SHALL NOT BE PERMITTED. MINIMUM CONCRETE EMBEDMENT SHALL BE 4-1/2 DIAMETERS. MINIMUM SPACING SHALL BE 12 DIAMETERS CENTER TO CENTER AND 6 DIAMETERS CENTER TO EDGE OF CONCRETE. POST-INSTALLED ANCHORS IN CONCRETE USED FOR COMPONENT ANCHORAGE SHALL BE PREQUALIFIED FOR SEISMIC APPLICATION IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. MAXIMUM ALLOWABLE STRESSES FOR TENSION AND SHEAR SHALL BE 80% OF THE ICC ES TEST REPORT VALUES. HILTI, ITW RED HEAD.

16. SUPPORTS:
    ALL MECHANICAL SYSTEMS (EQUIPMENT, DUCTWORK, PIPING, ETC.) SHALL BE PROVIDED WITH SUPPORTS.

17. SYSTEM IDENTIFICATION:
    A. BELOW GRADE PIPING:
       i. BURY DETECTABLE WARNING TAPE WITH EACH UNDERGROUND PIPE. LOCATE DIRECTLY OVER BURIED PIPE, 6" TO 8" BELOW FINISHED GRADE.
       ii. SECURE INSULATED TRACER WIRE TO PLASTIC PIPING WITH NYLON TIES AT MAXIMUM 10 FEET INTERVAL. ALL WIRE-TO-WIRE CONNECTIONS SHALL BE SOLDERED TO PROVIDE CONTINUITY AND TAPED TO PREVENT ENTRY OF MOISTURE. TRACER WIRES SHALL TERMINATE 6" ABOVE GROUND AT EACH END OF PIPING.

18. CLEANING:
    A. PROGRESSIVELY AND AT COMPLETION OF THE JOB, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL OF HIS WORK, REMOVING ALL DEBRIS, STAIN AND MARKS RESULTING FROM HIS WORK. THIS INCLUDES BUT IS NOT LIMITED TO BUILDING SURFACES, PIPING, EQUIPMENT AND DUCTWORK, INSIDE AND OUT. SURFACES SHALL BE FREE OF DIRT, GREASE, LABELS, TAGS, TAPE, RUST, AND ALL FOREIGN MATERIAL.
    B. AT END OF EACH WORK DAY, THE CONTRACTOR SHALL COVER ALL OPEN ENDS OF PIPING AND DUCTWORK WITH PROTECTIVE PLASTIC.

19. ACCEPTANCE TESTING:
    ACCEPTANCE TESTING SHALL BE PERFORMED BY A CERTIFIED MECHANICAL ACCEPTANCE TEST TECHNICIAN (CMATT). THE CMATT SHALL PERFORM, DOCUMENT, REGISTER, AND SUBMIT ALL ACCEPTANCE TESTING AS REQUIRED BY CALIFORNIA CODE OF REGULATIONS, TITLE 24, AND AS NOTED ON THE CERTIFICATE OF COMPLIANCE FORM, WHERE APPLICABLE. COPIES OF THESE COMPLETED FORMS SHALL BE INCLUDED IN THE OPERATING AND MAINTENANCE BINDER.

20. OPERATING AND MAINTENANCE INSTRUCTIONS:
    AN ELECTRONIC PDF FILE AND THREE HARD COPIES OF OPERATION AND MAINTENANCE INSTRUCTIONS AND WIRING DIAGRAMS FOR ALL EQUIPMENT AND PARTS LIST FOR ALL FAUCETS, TRIM, VALVES, ETC. SHALL BE SUBMITTED TO THE OWNER, THROUGH THE ARCHITECT. ALL INSTRUCTIONS SHALL BE SUBMITTED AT THE SAME TIME AND SHALL BE BOUND IN A SUITABLE BINDER WITH TABS DIVIDING EACH TYPE OF EQUIPMENT (e.g. PUMPS, FANS, MOTORS, ETC.).

21. RECORD DRAWINGS:
    AS WORK PROGRESSES, THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL DEVIATIONS IN THE WORK FROM THAT INDICATED ON THE DRAWINGS. FINAL LOCATION OF ALL UNDERGROUND WORK SHALL BE RECORDED BY DEPTH FROM FINISHED GRADE AND BY OFFSET DISTANCE FROM PERMANENT SURFACE STRUCTURE. IN ADDITION, WATER, GAS, SEWER, ETC. WITHIN THE BUILDING SHALL BE RECORDED BY OFFSET DISTANCES FROM BUILDING WALLS. THE RECORD DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT.

PLUMBING SPECIFICATIONS

1. ALL GENERAL MECHANICAL SPECIFICATIONS APPLY TO THIS SECTION.

2. LAYOUT:
   PIPING SHALL BE CONCEALED IN WALLS, ABOVE THE CEILING, OR BELOW GRADE UNLESS OTHERWISE NOTED. ROUTE PIPING TO AVOID CUTTING STRUCTURAL MEMBERS. WHERE CUTTING OR NOTCHING IS REQUIRED, THE STRUCTURAL MEMBER SHALL BE REINFORCED IN ACCORDANCE WITH CBC. PIPING SHALL BE INSTALLED TO ENSURE UNRESTRICTED FLOW, ELIMINATE AIR POCKETS, PREVENT UNUSUAL NOISE AND PERMIT COMPLETE DRAINAGE OF THE SYSTEM. PROVIDE INDIVIDUAL SHUTOFF VALVES AT EACH FIXTURE AND EQUIPMENT.

3. PIPING MATERIAL:
   A. SOIL, WASTE, AND VENT
      i. INSIDE BUILDING AND WITHIN FIVE FEET OF BUILDING WALLS - STANDARD WEIGHT COATED CAST IRON PIPE AND FITTINGS. PLAIN END, CISPI 301, ASTM A888, OR HUB END WITH RUBBER GASKETS, ASTM A74, ASTM C564. AB&I, CHARLOTTE, JC CAST IRON, STAR PIPE PRODUCTS, TYLER.
         a. COUPLINGS SHALL BE HEAVY DUTY SHIELDED COUPLINGS, TYPE 304 STAINLESS STEEL, WITH NEOPRENE GASKET, ASTM C-1540. HUSKY HD 2000, CLAMP-ALL 80, MISSION HEAVYWEIGHT.
      ii. OUTSIDE BUILDING, BEYOND FIVE FEET OF BUILDING WALLS - POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D3034 PIPE AND PVC FITTINGS WITH RUBBER RING JOINTS. CHARLOTTE PIPE, JM EAGLE, NORTH AMERICAN PIPE CORPORATION.
         a. PIPING WITH LESS THAN 24" OF COVER SHALL BE CAST IRON.
      iii. PIPE CLEANOUTS - IRON BODY WITH THREADED BRASS PLUG.
      iv. CLEANOUT BOX - PRECAST REINFORCED CONCRETE. CAST IRON LID MARKED WITH "SEWER" LETTERING. H20 TRAFFIC RATED BOX AND LID. CHRISTY G05T.
   B. DOMESTIC COLD WATER
      i. INSIDE BUILDING, WITHIN FIVE FEET OF BUILDING WALLS, AND ALL ABOVE GRADE - HARD TEMPER SEAMLESS COPPER, ASTM B88. WROUGHT COPPER FITTINGS, ANSI B16.22. TYPE L WITH BRAZED JOINTS (1100F MIN). 1-1/2" AND SMALLER ABOVE GRADE MAY BE SOLDERED, 95-5 TIN-ANTIMONY SOLDER. ALL NIPPLES SHALL BE RED BRASS (85% COPPER).
      ii. OUTSIDE BUILDING, BELOW GRADE BEYOND FIVE FEET OF BUILDING - SAME AS INSIDE BUILDING. GALVANIZED STEEL PIPING SHALL HAVE PROTECTIVE COATING.
         OR 3" AND SMALLER MAY BE POLYVINYL CHLORIDE (PVC), SCHEDULE 40, ASTM D1785 WITH SOLVENT WELD FITTINGS WHERE APPROVED BY ADMINISTRATIVE AUTHORITY.
         OR 4" AND LARGER MAY BE POLYVINYL CHLORIDE (PVC), AWWA C900, DR 14 PRESSURE CLASS 305 PSI, ASTM D1784, WHERE APPROVED BY ADMINISTRATIVE AUTHORITY, CAST OR DUCTILE IRON FITTINGS, AWWA C110 OR C153, SAME CLASS AS PIPE, WITH RUBBER RING JOINTS, ASTM D3139.

4. VALVES:
   ALL VALVES OF A PARTICULAR TYPE OR FOR A PARTICULAR SERVICE SHALL BE BY THE SAME MANUFACTURER. PROVIDE CHAIN WHEEL OPERATOR WHERE VALVE IS MORE THAN 10 FEET ABOVE FINISH FLOOR.
   A. GATE VALVES:
      i. 2" AND SMALLER - ALL BRONZE. THREADED BONNET. NON-RISING STEM. WEDGE DISK. MALLEABLE IRON HANDWHEEL. 300 PSI CWP RATING. NIBCO T-113-LF.
      ii. 2-1/2" AND LARGER - IRON BODY, BRONZE MOUNTED. NON-RISING STEM. WEDGE DISK, RESILIENT SEATED. 300 PSI CWP RATING. FLANGED OR AWWA HUB END AS APPLICABLE. HANDWHEEL FOR ABOVE GRADE. NIBCO F-619-RWS.
      iii. UNDERGROUND VALVES SHALL HAVE SQUARE OPERATING NUT. PROVIDE OPERATING "T" HANDLES FOR UNDERGROUND VALVES.
   B. BALL VALVES, 2" AND SMALLER - FULL PORT. BRONZE OR BRASS BODY, CAP, STEM, DISK AND BALL. THREADED CONNECTION. LEVER HANDLE. PTFE SEAT. O-RING SEALS. PRESSURE RATED 600 PSI NON-SHOCK CWP, MAXIMUM 100 PSI AT 300°F. APOLLO, NIBCO T-685-80-LF, WATTS.
   C. VALVE BOX - PRECAST REINFORCED CONCRETE. CAST IRON LID MARKED FOR SERVICE. H20 TRAFFIC RATED BOX AND LID. CHRISTY G05T. PROVIDE MINIMUM 6" DIAMETER PIPE EXTENDED FROM TOP OF VALVE TO 6" OF TOP OF VALVE BOX.
   D. "T" HANDLES FOR UNDERGROUND VALVES - PROVIDE A MINIMUM OF TWO OPERATING "T" HANDLES FOR UNDERGROUND VALVES FOR EACH UNDERGROUND SYSTEM WHERE VALVES ARE REQUIRED. THE LENGTHS OF THE HANDLES ARE DEPENDENT UPON THE DEPTH OF THE VALVES AND THE ABILITY OF THE HANDLES TO FULLY OPEN AND/OR CLOSE THE VALVES. AT LEAST ONE "T" HANDLE FOR EACH SYSTEM SHALL BE ON SITE AT THE BEGINNING OF THE INSTALLATION OF A PARTICULAR SYSTEM FOR EMERGENCIES, AND THE CONSTRUCTION MANAGER SHALL HAVE ACCESS TO THESE "T" HANDLES AND VALVES.

5. MISCELLANEOUS SPECIALTIES:
   A. TRANSITION FITTINGS: MANUFACTURED FITTING OR COUPLING SAME SIZE AS, WITH PRESSURE RATING AT LEAST EQUAL TO AND ENDS COMPATIBLE WITH, PIPING TO BE JOINED.
   B. UNIONS:
      i. 2" AND SMALLER - AAR MALLEABLE IRON, BRONZE TO IRON GROUND SEAT. 300 PSI. UNIONS FOR COPPER PIPING SHALL BE COPPER OR CAST BRONZE. ANVIL.
      ii. 2-1/2" AND LARGER - GROOVED PIPE, SYNTHETIC GASKET, MALLEABLE IRON HOUSING. EPDM GASKET UL CLASSIFIED IN ACCORDANCE WITH ANSI/NSF 61. VICTAULIC STYLE 77 GRADE E GASKET, GRUVLOK 7001 GRADE EP GASKET.
   C. DIELECTRIC COUPLING - INSULATING UNION OR FLANGE RATED FOR 250 PSIG. EPCO, ZURN WILKINS SERIES DUXL.
   D. ESCUTCHEONS - CHROME PLATED, METAL TYPE WITH FASTENERS.

6. PIPE SUPPORT: FINISH SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE.
   A. PIPE HANGER - GALVANIZED STEEL "J" HANGER WITH SIDE BOLT FOR PIPING 4" AND SMALLER; GALVANIZED STEEL CLEVIS HANGER FOR PIPING 5" AND LARGER. LOAD AND JAM NUTS. SIZE AND MAXIMUM LOAD PER MANUFACTURER'S RECOMMENDATION. FELT LINER FOR COPPER PIPING. ANVIL, B-LINE, TOLCO, UNISTRUT.

	MAXIMUM SUPPORT SPACING			
PIPE SIZE	PEX	COPPER	SCH 40 STEEL	SCH 40 ABS / PVC DWV
1/2"	32"	6'	6'	4'
3/4"	32"	6'	8'	4'
1"	32"	6'	8'	4'
1-1/4"	32"	6'	10'	4'
1-1/2"	32"	6'	10'	4'
2"	32"	10'	10'	4'
2-1/2"	32"	10'	10'	4'

   B. CONSTRUCTION CHANNEL - 12 GAUGE, 1-5/8"x1-5/8" GALVANIZED STEEL CHANNEL. SINGLE OR MULTIPLE SECTION. SELF-LOCKING NUTS AND FITTINGS. ANVIL, B-LINE B22, TOLCO A-12, UNISTRUT P1000.

7. PIPING INSULATION MATERIALS:
   ALL PIPING INSULATION MATERIALS SHALL HAVE FIRE AND SMOKE HAZARD RATINGS AS TESTED UNDER ASTM E84 AND UL 723 NOT EXCEEDING A FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50.
   A. PRE-MOLDED FIBERGLASS - HEAVY DENSITY SECTIONAL PRE-MOLDED FIBERGLASS WITH VAPOR BARRIER LAMINATED ALL SERVICE JACKET AND PRESSURE SEALING VAPOR BARRIER LAP. THERMAL CONDUCTIVITY SHALL NOT EXCEED 0.25 BTU-IN/HR-FT2-F AT A MEAN TEMPERATURE OF 75F. PERM RATING 0.02, ASTM E96. INSULATION SHALL BE 1-1/2" THICKNESS FOR PIPES 1-1/2" AND SMALLER, OTHERWISE 2" THICKNESS. PROVIDE 3" MINIMUM WIDE TAPE OF SAME MATERIAL AS LAP FOR BUTT JOINTS. JOHNS-MANVILLE, KNAUF, OWENS-CORNING.
   B. FIBERGLASS ADHESIVE - WATER BASED, SHALL MEET ASTM C916 TYPE II REQUIREMENTS. CHILDERS CHIL-QUIK CP-127, FOSTER 85-60, VIMASCO 795.
   C. ALUMINUM JACKETING - ALUMINUM PIPE AND FITTING JACKETING, 0.016" THICK FOR STRAIGHT PIPE, 0.024" THICK FOR FITTINGS. STUCCO-EMBOSSED FINISH. INTEGRAL MOISTURE BARRIER. PROVIDE PRE-FABRICATED ALUMINUM STRAPPING AND SEALS BY SAME MANUFACTURER. ITW PABCO/CHILDERS, RPR PRODUCTS.
   D. METAL JACKETING/FLASHING SEALANT - CHILDERS CHIL-BYL CP-76, FOSTER 95-44 ELASTOLAR, PITTSBURGH CORNING PITTSEAL 727. GALLON CONTAINER QUANTITIES ONLY, NO TUBES.
   E. INSULATING TAPE - GROUND VIRGIN CORK AND SYNTHETIC ELASTOMERIC, 1/8" THICKNESS. BLACK, ODORLESS, AND NON-TOXIC. THERMAL CONDUCTIVITY SHALL NOT EXCEED 0.43 BTU-IN/HR-FT2-F AT A MEAN TEMPERATURE OF 75F. NON-SHRINKING. FOR OUTDOOR USE, PROVIDE PROTECTIVE FINISH BY SAME MANUFACTURER. SEALERS 1401.

8. PIPING INSTALLATION:
   A. SANITARY SEWER PIPING - INSTALL AT 1/4" PER FOOT PITCH. PIPING 4" AND LARGER MAY BE INSTALLED AT 1/8" PER FOOT PITCH WHERE STRUCTURAL OR OTHER LIMITATIONS PREVENT INSTALLATION AT A GREATER PITCH. BELL AND SPIGOT PIPING SHALL BE INSTALLED WITH BARREL ON SAND BED, EXCAVATE HOLE FOR BELL.
      i. CLEANOUTS - INSTALL AT ENDS OF LINES, AT CHANGES OF DIRECTION GREATER THAN 45 DEGREES, AND NOT GREATER THAN 100 FOOT INTERVALS. CLEANOUTS SHALL BE INSTALLED WITH A WYE 1/8 BEND COMBINATION. END OF LINE CLEANOUTS AND CLEANOUTS AT CHANGE OF DIRECTION SHALL BE INSTALLED WITH TWO 1/8 BENDS OR LONG SWEEP 1/4 BEND.
   B. WATER PIPING:
      i. PROVIDE SHUTOFF FOR EACH BUILDING.
      ii. WATER PIPING THAT RISES UP FROM BELOW GRADE SHALL BE TYPE L COPPER WITH BRAZED JOINTS, WRAPPED WITH 40 MILS OF PIPE WRAP TAPE. FEMALE PVC ADAPTERS SHALL NOT BE USED.
      iii. EQUIPMENT REQUIRING DOMESTIC WATER FOR NON-POTABLE USE SHALL BE PROVIDED WITH BACKFLOW PREVENTER ACCEPTABLE FOR INTENDED USE BY LOCAL GOVERNING AUTHORITIES.
   C. PLASTIC PIPING:
      i. PLASTIC PIPE AND FITTINGS SHALL BE JOINED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. METAL TO PLASTIC TRANSITION FITTINGS SHALL BE INSTALLED AT ALL TRANSITIONS. PVC AND ABS PIPE AND FITTINGS SHALL NOT BE SOLVENT WELDED TO DISSIMILAR MATERIAL.
      ii. SECURE INSULATED TRACER WIRE TO PIPE WITH NYLON TIES AT MAXIMUM 10 FEET INTERVAL. ALL WIRE-TO-WIRE CONNECTIONS SHALL BE SOLDERED TO PROVIDE CONTINUITY AND TAPED TO PREVENT ENTRY OF MOISTURE. TRACER WIRES SHALL TERMINATE 6" ABOVE GROUND AT EACH END OF PIPING. TRACER WIRE IS IN ADDITION TO PREPRINTED METALLIC DETECTABLE WARNING TAPE.
   D. FERROUS PIPE AND FITTINGS BELOW GRADE (EXCEPT CAST IRON) SHALL BE PROTECTED WITH POLYETHYLENE TUBE OR HAVE A FACTORY APPLIED PROTECTIVE COATING OF EXTRUDED HIGH DENSITY POLYETHYLENE.
   E. UNIONS - INSTALL A UNION ON THE LEAVING SIDE OF EACH VALVE, AT EQUIPMENT CONNECTIONS, AND ELSEWHERE AS NECESSARY FOR ASSEMBLY OR DISASSEMBLY OF PIPING.
   F. VALVES - INSTALL FULL LINE SIZE VALVES.
      i. PROVIDE SHUTOFF VALVE AT EACH POINT OF CONNECTION TO EXISTING PIPING, FOR EACH BUILDING, AND AT EACH EQUIPMENT CONNECTION.
      ii. A UNION SHALL BE INSTALLED ON THE LEAVING SIDE OF EACH VALVE, AT ALL SIDES OF AUTOMATIC VALVES, AT EQUIPMENT CONNECTIONS, AND ELSEWHERE AS NECESSARY FOR ASSEMBLY OR DISASSEMBLY OF PIPING.
      iii. USE GATE VALVES FOR SHUTOFF SERVICE ONLY.
      iv. BALL VALVES SHALL NOT BE INSTALLED BELOW GRADE.
   G. PIPES PASSING THROUGH CONCRETE WALL, CONCRETE BLOCK WALL, OR CONCRETE FLOOR SHALL BE PROVIDED WITH PIPE SLEEVES. ALLOW 1" ANNULAR CLEARANCE BETWEEN SLEEVE AND PIPE FOR PIPING 3" AND SMALLER, OTHERWISE 2" ANNULAR CLEARANCE.
   H. PROVIDE CHROME PLATED METAL ESCUTCHEONS TO CONCEAL OPENINGS WHERE PIPING PENETRATES WALLS, CEILINGS, OR FLOORS IN FINISHED AREAS.

9. PIPING INSULATION INSTALLATION:
   A. FREEZE PROTECTION OF PLUMBING PIPES - ALL WATER, SOIL, AND WASTE PIPING EXPOSED TO WEATHER OR OTHER AREAS SUBJECT TO FREEZING SHALL BE INSULATED WITH 1" THICKNESS. COVER WITH ALUMINUM JACKETING WHERE EXPOSED TO WEATHER.
      i. SHORT LENGTHS OF PIPE, LESS THAN 12 INCHES, AND VALVES MAY BE WRAPPED WITH INSULATING TAPE, 50% OVERLAP. COVER VALVES TO STEM. APPLY AT LEAST TWO COATS OF PROTECTIVE FINISH WHERE EXPOSED TO WEATHER.
   B. INSTALL JACKETING OVER INSULATION MATERIAL. COVER WITH ALUMINUM JACKETING WHERE EXPOSED TO WEATHER.

10. TESTS:
    PERFORM ALL TEST AS REQUIRED BY APPLICABLE CODES IN PRESENCE OF INSPECTOR.
    A. GRAVITY SYSTEMS:
       i. SANITARY SEWER - ALL ENDS OF THE SANITARY SEWER SYSTEM SHALL BE CAPPED AND LINES FILLED WITH WATER TO THE TOP OF THE HIGHEST VENT, 10 FEET ABOVE GRADE MINIMUM. THIS TEST SHALL BE MADE BEFORE ANY FIXTURES ARE INSTALLED. TEST SHALL BE MAINTAINED UNTIL ALL JOINTS HAVE BEEN INSPECTED, BUT NO LESS THAN 2 HOURS.
    B. PRESSURE SYSTEMS:
       i. DOMESTIC COLD WATER PIPING - MAINTAIN 100 PSIG WATER PRESSURE FOR 4 HOURS.

11. DISINFECTION:
    DISINFECT ALL DOMESTIC WATER PIPING SYSTEMS IN ACCORDANCE WITH AWWA STANDARD C651 "AWWA STANDARD FOR DISINFECTING WATER MAINS", LATEST EDITION, AND IN ACCORDANCE WITH ADMINISTRATIVE AUTHORITY. DISINFECTION PROCESS SHALL BE PERFORMED IN COOPERATION WITH HEALTH DEPARTMENT HAVING JURISDICTION AND WITNESSED BY A REPRESENTATIVE OF THE ARCHITECT. AFTER DISINFECTION, WATER SAMPLES SHALL BE COLLECTED FOR BACTERIOLOGICAL ANALYSIS AND TESTED FOR BACTERIOLOGICAL PURITY. SAMPLE COLD WATER AND HOT WATER WHERE APPLICABLE. CERTIFICATE OF BACTERIOLOGICAL PURITY SHALL BE OBTAINED AND DELIVERED TO THE OWNER THROUGH THE ARCHITECT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

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4201 MESA MARIN DR.
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integrated designs
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MECHANICAL

Sheet Title:

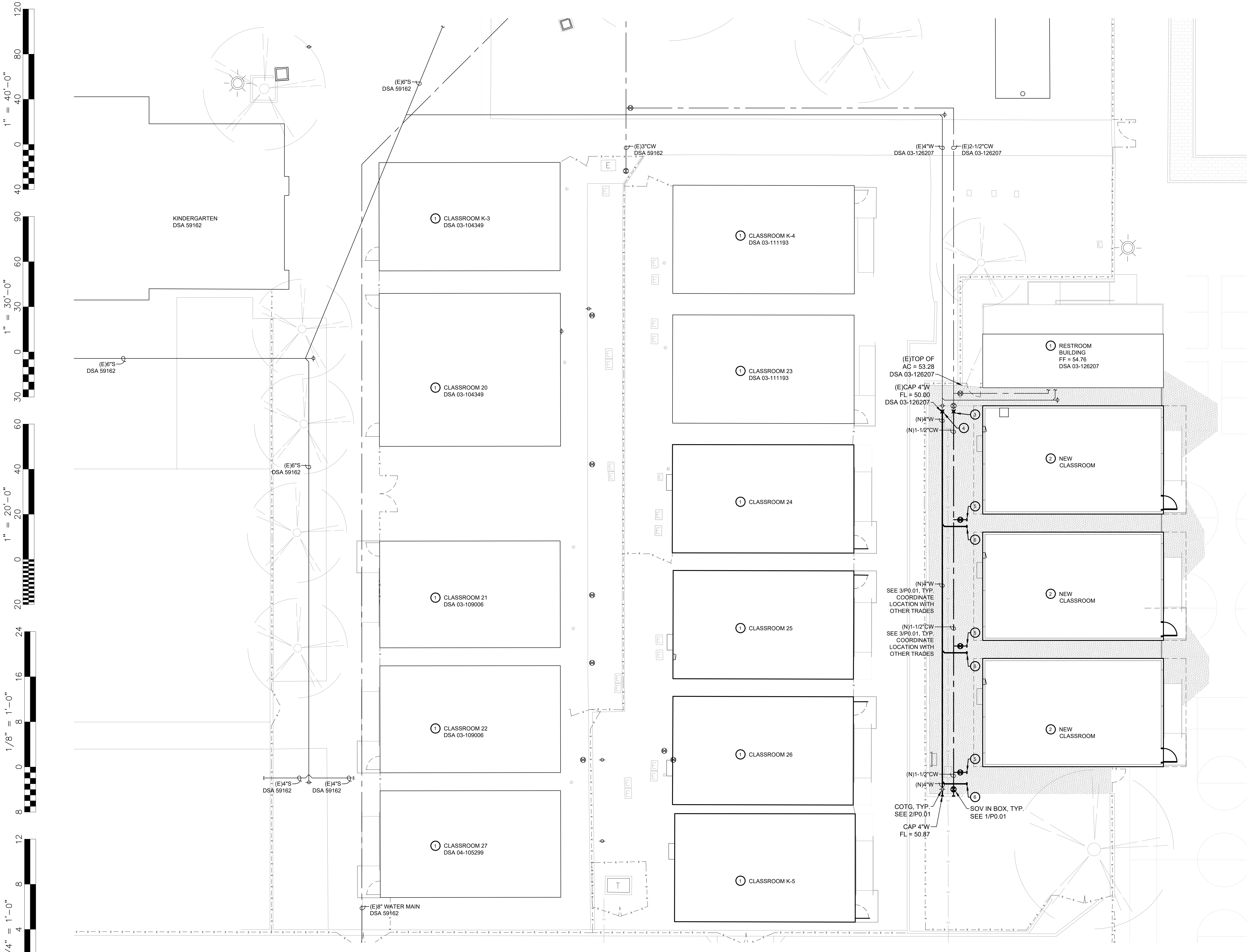
SPECS

Job No.: **5682.3**

Sheet No.: **P0.21**

Release:

Issue Date



1 P1.21 PLUMBING SITE PLAN

BUILDING

SCALE: 1" = 10'

# KEY NOTES

1. EXISTING PORTABLE BUILDING TO REMAIN. PROTECT FROM DAMAGE.
2. NEW 24x40 PORTABLE CLASSROOM BUILDING. REFER TO ARCH PLANS AND PC DRAWINGS.
3. REMOVE EXISTING PIPE CAP DOWNSTREAM OF EXISTING VALVE AND CONNECT NEW 1-1/2"CW TO (E)2-1/2"CW STUB BELOW GRADE. PROVIDE TRANSITION AS NEEDED. FIELD VERIFY LOCATION, SERVICE, AND SIZE.
4. REMOVE EXISTING PIPE CAP AND CONNECT NEW 4"S TO (E)4" SEWER STUB BELOW GRADE. FIELD VERIFY LOCATION, SERVICE, SIZE, DEPTH, AND DIRECTION OF FLOW, TYP.
   CONTRACTOR SHALL POTHOLE AND DETERMINE IF ANY CONFLICT EXIST WITH NEW INSTALLATION AT POINT OF CONNECTION AND ALONG NEW ROUTE AHEAD OF CONSTRUCTION.
5. CAP 1"CW BELOW GRADE FOR FUTURE CONNECTION
6. CAP 2"W BELOW GRADE FOR FUTURE CONNECTION

LEGEND

SYMBOL	DESCRIPTION	ABBR
———	SOIL OR WASTE	S. W.
—— – ——	DOMESTIC COLD WATER	CW
— GAS —	GAS MAIN BY GAS UTILITY CO	
— G —	NATURAL GAS	G
— CD —	CONDENSATE DRAIN	CD
— D —	DRAIN	D
⦶—	CLEANOUT TO GRADE	COTG
—⋈—	GATE OR SHUTOFF VALVE	GV SOV
—||—	UNION	
○—	ELBOW UP	
⊂—	ELBOW DOWN	
—▷—	REDUCER	RED
—<	HOSE BIBB	HB
	ABOVE FINISH FLOOR	AFF
⊓	CAP	
	EXISTING	(E)
⫽⫽	(E) TO BE REMOVED	DEMO
	NEW	(N)
✕	POINT OF CONNECTION	POC
	TYPICAL	TYP

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Sheet Title:

PLUMBING SITE PLAN

Job No.: **5682.3**

Sheet No.: **P1.21**

Release:

Issue Date

ELECTRICAL SYMBOLS
ALL DIMENSIONS TO CENTER OF BOX, U.O.N.

A/3	HOME RUN 3/4"C - MIN. (PANEL A, CIRCUIT #3)
(——)	CONDUIT RUN IN WALL OR ATTIC (1/2"C - 2 #12 AWG THWN + 1 #12 GND)
(—·—)	CONDUIT RUN IN FLOOR OR UG (1/2"C - 2 #12 AWG THWN + 1 #12 GND)
—III—	ANY CONDUIT RUN - 1/2"C - 3 #12 AWG THWN + 1 #12 GND
—IIII—	" " - 3/4"C - 4 #12 AWG THWN + 1 #12 GND
—IIIII—	" " - 3/4"C - 5 #12 AWG THWN + 1 #12 GND
—IIIIII—	" " - 1"C - 6 #12 AWG THWN + 1 #12 GND
—]	CONDUIT STUB - CAPPED AND LABELED.
①	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
U.O.N.	UNLESS OTHERWISE NOTED
W.P.	WEATHERPROOF
▭	TERMINAL CABINET (SIZE AS SHOWN)
▬	ELECTRICAL PANELBOARD
Ⓙ	JUNCTION BOX EQUIPPED WITH BLANK COVER
~Ⓙ	JUNCTION BOX EQUIPPED WITH BLANK COVER AND FLEX CONNECTION
(SD)	ADDRESSABLE SMOKE DETECTOR MOUNTED ON CEILING
⟨HD⟩	HEAT DETECTOR MOUNTED IN ATTIC
(A) (SV)(75)	FIRE ALARM SPEAKER/75 CANDELA VISUAL STROBE (CEILING MOUNTED)
[SP] W.P.	FIRE ALARM EXTERIOR SPEAKER IN WALL
E	SUBSCRIPT DENOTES EXISTING SHALL REMAIN
R	SUBSCRIPT DENOTES EXISTING SHALL BE REMOVED
— ER —	DENOTES EXISTING BRANCH CIRCUITING/HOMERUN TO BE REMOVED
— EP —	DENOTES EXISTING BRANCH CIRCUITING/HOMERUN TO REMAIN
— EF —	DENOTES EXISTING FIRE ALARM CONDUIT AND CABLING TO REMAIN

ELECTRICAL SYMBOLS NOTES:

(A) REFER TO FIRE ALARM DEVICES ELEVATION, DETAIL #1/E1.03 FOR RESPECTIVE MOUNTING HEIGHTS.

SIGNALS GENERAL NOTES:

LOW VOLTAGE SCOPE CLARIFICATIONS

SITE (IDF TO PORTABLE IDF)

1) ALL BLOWN FIBER AND TERMINATION IS EXCLUDED FROM THIS CONTRACT.
2) ALL PULLABLE FIBER IS A PORTION OF THIS CONTRACT AND SHALL BE TERMINATED WITH LC ENDS. CONTRACTOR SHALL ALSO TERMINATE THE FIBER LC END INTO THE CONTRACTOR PROVIDED FIBER TERMINATION UNIT AT BOTH ENDS AS WELL AS ANY INTERMEDIATE FIBER PEDESTALS SHOWN ON THE CONTRACT DOCUMENTS. WITHIN THE FIBER TERMINATION UNIT SHALL ALSO BE THE REQUIRED FIBER TERMINATION UNIT PLATES. CONTRACTOR TO PROVIDE LC TO LC FIBER PATCH CABLES FROM FIBER TERMINATION UNIT TO DISTRICT SWITCH.
3) ALL ANALOG COPPER IS A PORTION OF THIS CONTRACT AND SHALL BE TERMINATED ON EXISTING 66 BLOCK AT CAMPUS IDF AND BE TERMINATED ON NEW 66 BLOCK AT PORTABLES IDF THAT IS PROVIDED AND INSTALLED BY THIS CONTRACT.
4) TRANSITION FROM ANALOG 66 BLOCK TO ALL ANALOG ETHERNET CABLE AS REQUIRED.
5) PROVIDE ALL MAKES AND MODELS PER KHSD MASTER IDF SPEC.

IDF AT PORTABLES

1) IDF RACKS AT PORTABLES SHALL BE NEW AND PROVIDED AND INSTALLED BY CONTRACTOR. PROVIDE AND INSTALL MIDDLE ATLANTIC VWM-BPSD-4213-BW AS PER KHSD MASTER SPEC.
2) SURGE PROTECTED 20AMP OUTLET TO BE PROVIDE AND INSTALLED IN LOWER LEFT HAND CORNER OF IDF CABINET.
3) INSTALL AND PROVIDE CAT6 PATCH PANELS AND LC FIBER PATCH PANELS.
4) ALL DATA CAT6 CABLE TO BE TERMINATED TIA/EIA-568A IN CAT6 KEYSTONES.
5) PROVIDE ALL MAKES AND MODELS PER KHSD MASTER IDF SPEC.

PORTABLES

1) PROVIDE DATA CABLING, PATCH PANEL AT IDF, JACKS, AND 66 BLOCKS WITHIN EACH PORTABLE AS PER THE LAYOUT AND SPECS.
2) ALL DATA CABLING TO BE TERMINATED TIA/EIA-568A AT WALL JACKS.
3) PROJECTORS AND MOUNTS WILL BE OWNER PROVIDED AND CONTRACTOR INSTALLED. THE PROJECTOR CEILING PLATE IS PROVIDED AND INSTALLED BY THE CONTRACTOR COMPLETE INCLUDING SEISMIC WIRING, PEERLESS CEILING PROJECTOR PLATE CMJ500R1. CONTRACTOR SHALL ALSO PROVIDE DUPLEX OUTLET FROM PORTABLE ELECTRICAL PANEL TO THE CEILING PLATE.
4) PROVIDE ALL MAKES AND MODELS PER KHSD MASTER IDF SPEC.
5) PROVIDE AND INSTALL 2X2 QUAM LAY IN PAGING SPEAKER IN EACH OF THE PORTABLES PER TYPICAL ROOM LAYOUT AND TERMINATED AT 66 BLOCK OF THE IDF FEEDING THE PORTABLE.
6) INSTALL CONTRACTOR PROVIDED 50' HDMI CABLE FROM TEACHER WORKSTATION TO CONTRACTOR PROVIDED, CONTRACTOR INSTALLED DECORA BRUSH PASSTHROUGH AT PROJECTOR CEILING PLATE. AT TEACHER WORKSTATION, HDMI CABLE SHALL BE FISHED THROUGH THE WALL AND WILL CONNECT TO CONTRACTOR PROVIDED, CONTRACTOR INSTALLED COMMSCOPE HDMI COUPLER (PART# 2111500-2). COUPLER TO BE INSTALLED IN CONTRACTOR PROVIDED, CONTRACTOR INSTALLED COMMSCOPE 2 PORT FACEPLATE (PART# 2111009-1).
7) PROVIDE CAT 6 CABLE FROM IDF DATA PATCH PANEL (VIOLET JACKS AND CABLE) TO CAMERA LOCATIONS SHOWN. THE CAMERA WILL BE PROVIDED AND INSTALLED BY THE DISTRICT. COIL THE CABLE UP WITH 10' OF SLACK IN CEILING AROUND LOCATION SHOWN.
8) CROSS CONNECTS AND ANY CONFIGURATION OF EITHER TELECOM SYSTEM (MITEL) AND PA SYSTEM (VALCOM) SHOULD BE INCLUDED IN THE SCOPE OF WORK.
9) CONTRACTOR IS TO ENSURE ALL LOW VOLTAGE SCOPES OF WORK ARE "TURN KEY" AT COMPLETION.

SEISMIC ANCHORAGE REQUIREMENTS

MECHANICAL, ELECTRICAL AND PLUMBING ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7 AND 13.6.8; AND 2025 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

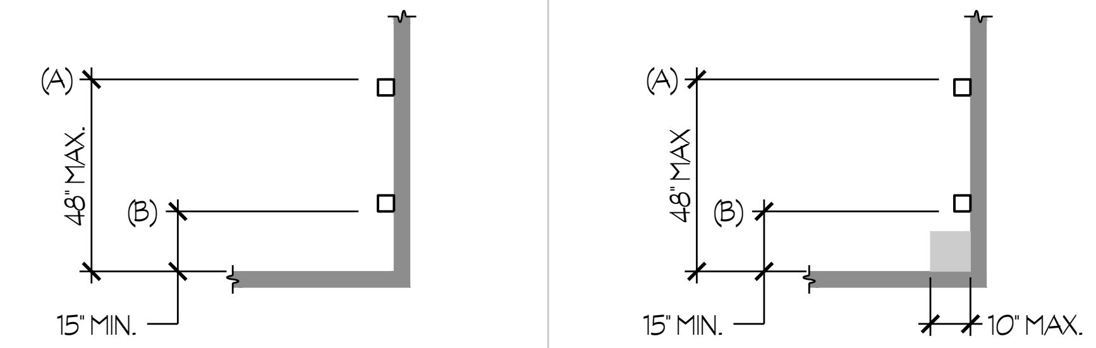
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

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

MP ☐ MD ☐ PP ☐ E ☑ - OPTION 1: PROJECT-SPECIFIC DESIGN.

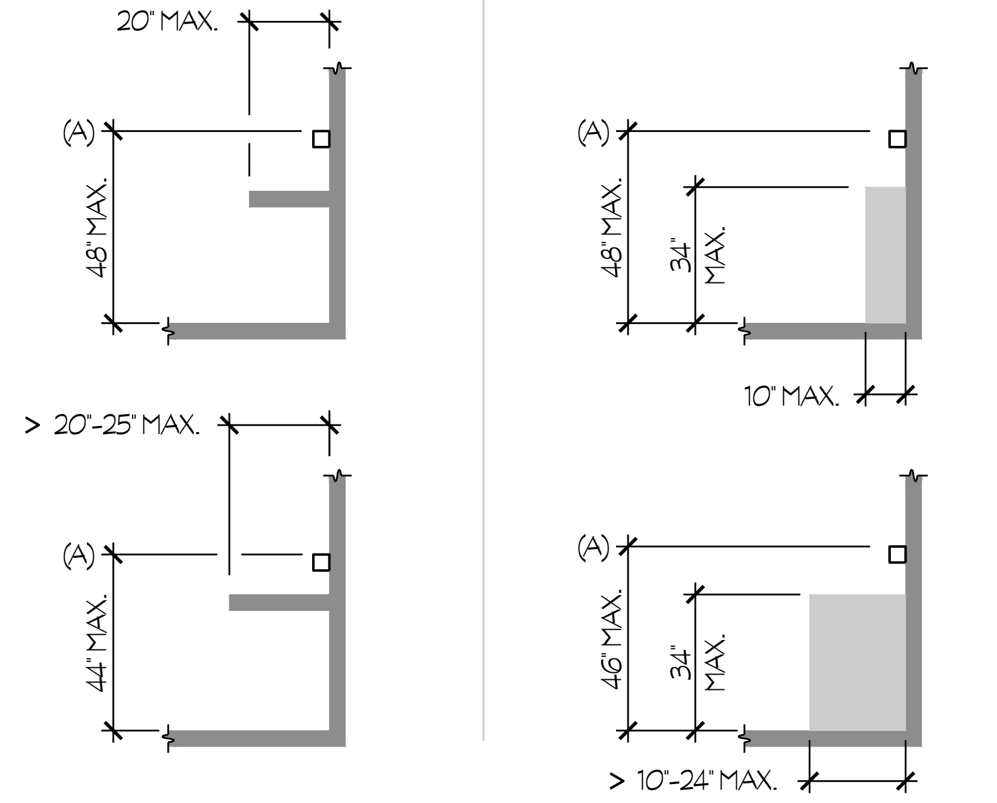
MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL



UNOBSTRUCTED FORWARD REACH
(C.B.C FIGURE 11B-308.2.1)

UNOBSTRUCTED SIDE REACH
(C.B.C FIGURE 11B-308.3.1)



OBSTRUCTED HIGH FORWARD REACH
(C.B.C FIGURE 11B-308.2.2)

OBSTRUCTED HIGH SIDE REACH
(C.B.C FIGURE 11B-308.3.2)

(A) TOP OF OUTLET BOX FOR RECEPTACLES, SWITCHES AND CONTROLS.

(B) BOTTOM OF OUTLET BOX FOR RECEPTACLES, SWITCHES AND CONTROLS.

1 ELECTRICAL RECEPTACLE, SWITCH AND CONTROL HEIGHTS

NTS

TITLE 24, PART 6

THE CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.

CODE, RULES AND REGULATIONS

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS

CODES:

2025	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2025	CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2025 CALIFORNIA AMENDMENTS)
2025	CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. (2020 NFPA 70 NATIONAL ELECTRICAL CODE WITH 2025 CALIFORNIA AMENDMENTS)
2025	CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE WITH 2025 CALIFORNIA AMENDMENTS)
2025	CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE WITH 2025 CALIFORNIA AMENDMENTS)
2025	CALIFORNIA ENERGY CODE (CEnC), PART 6, TITLE 24 C.C.R.
2025	CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE WITH 2025 CALIFORNIA AMENDMENTS)
2025	CALIFORNIA REFERENCED STANDARDS CODE (C.R.S.C.), PART 12, TITLE 24 C.C.R.

TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

STANDARDS AND GUIDES:

NFPA 72	NATIONAL FIRE ALARM CODE, 2025 EDITION (CALIFORNIA AMENDED)
ADAAG	AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES
UL 38	MANUAL ACTUATED SIGNALING BOXES, 1999 EDITION
UL 268	SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2011 EDITION
UL 268A	SMOKE DETECTORS FOR DUCT APPLICATIONS, 2009 EDITION
UL 464	AUDIBLE SIGNAL APPLIANCES, 2003 EDITION
UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION (WITH REVISIONS THROUGH JULY 2005)
UL 864	CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2014 EDITION

ELECTRICAL GENERAL NOTES FOR DISTRIBUTION SYSTEM

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

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

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STEVEN KIRK EASTHAM
No. E-18786
Exp. 6/30/27

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL

4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
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CURTIS E. FLYNN
No. C 28966
REN. 5-31-27

Sheet Title:

ELEC. SYMBOLS, CODES & NOTES

Job No.: **5682.3**

Sheet No.: EG1.00

Release: DSA SUBMITTAL
Issue Date: 6/23/26

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

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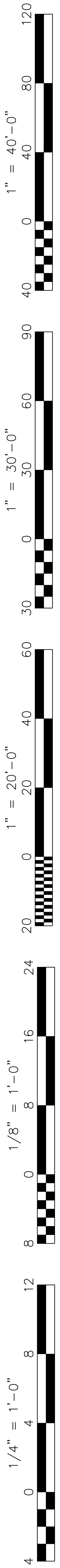

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STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ELC-E**

This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and §160.6 and §160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per §180.1(a) or §180.2 (b)4Bvii

Project Name:	CEASAR CHAVEZ ELEM. SCHOOL 3RELOCATABLE BUILDINGS	**Report Page:**	**(Page 1 of 4)**
Project Address:	4201 MESA MARIN DR.	**Date Prepared:**	2026-06-24T10:37:54-04:00

A. GENERAL INFORMATION

01	Project Location (city)	BAKERSFIELD	02	Climate Zone	13
			03	Occupancy Types Within Project:	

- Relocatable Public School

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work [1]	Rating[2] (kVA)	Utility Provided Metering System Exception to §130.5(a)/§160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to §130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
EXISTING MAIN SWITCHBOARD "MSB"	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2/§160.3, §130.1/§160.5, and §130.3/§160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1] *FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.*

[2] *If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.*

[3] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

STATE OF CALIFORNIA

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CERTIFICATE OF COMPLIANCE			**NRCC-ELC-E**
Project Name:	CEASAR CHAVEZ ELEM. SCHOOL 3RELOCATABLE BUILDINGS	**Report Page:**	**(Page 2 of 4)**
		Date Prepared:	2026-06-24T10:37:54-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering §130.5(a)/ §160.6(a) (See Table F)	AND	Separation for Monitoring §130.5(b)/ §160.6(b) (See Table G)	AND	Voltage Drop §130.5(c)/ §160.6(c) (See Table H)	AND	Controlled Receptacles §130.5(d)/ §160.6(d) (See Table I)	Electric Ready §160.9 (See Table J)	**Compliance Results**
	AND		AND	Yes	AND			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c)/ §160.6(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii/ §180.2(b)4Bviic.

01	02				03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
							Pass	Fail
EXISTING MAIN SWITCHBOARD "MSB"	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	E3.00	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".*

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-ELC-E**
Project Name:	CEASAR CHAVEZ ELEM. SCHOOL 3RELOCATABLE BUILDINGS	**Report Page:**	**(Page 3 of 4)**
		Date Prepared:	2026-06-24T10:37:54-04:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-ELC-E**
Project Name:	CEASAR CHAVEZ ELEM. SCHOOL 3RELOCATABLE BUILDINGS	**Report Page:**	**(Page 4 of 4)**
Project Address:	4201 MESA MARIN DR.	**Date Prepared:**	2026-06-24T10:37:54-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham	Documentation Author Signature:
Company: Rose Sing Eastham	Signature Date: 26-24-03
Address: 131 S. DUNWORTH ST	CEA/AEA/ECC Certification Identification (if applicable):
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733 - 2671 EXT.101

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Steve Eastham	Responsible Person Signature:
Responsible Person Scope: ELECTRICAL	
Company: Rose Sing Eastham	Date Signed: 26-24-03
Address: 131 S. DUNWORTH ST	License: E18786
City/State/Zip: VISALIA, CA 93292-6705	Phone: (559) 733 - 2671 EXT.101

Rose Sing Eastham & Associates
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Visalia, California 93292–6705

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Exp. 6/30/27

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No. C 28966
REN. 5-31-27

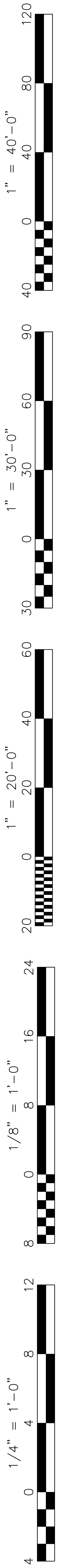
Sheet Title:

ELECTRICAL POWER DISTRIBUTION

Job No.: **5682.3**

Sheet No.: **EG1.01**

Release: DSA SUBMITTAL
Issue Date: 6/23/26



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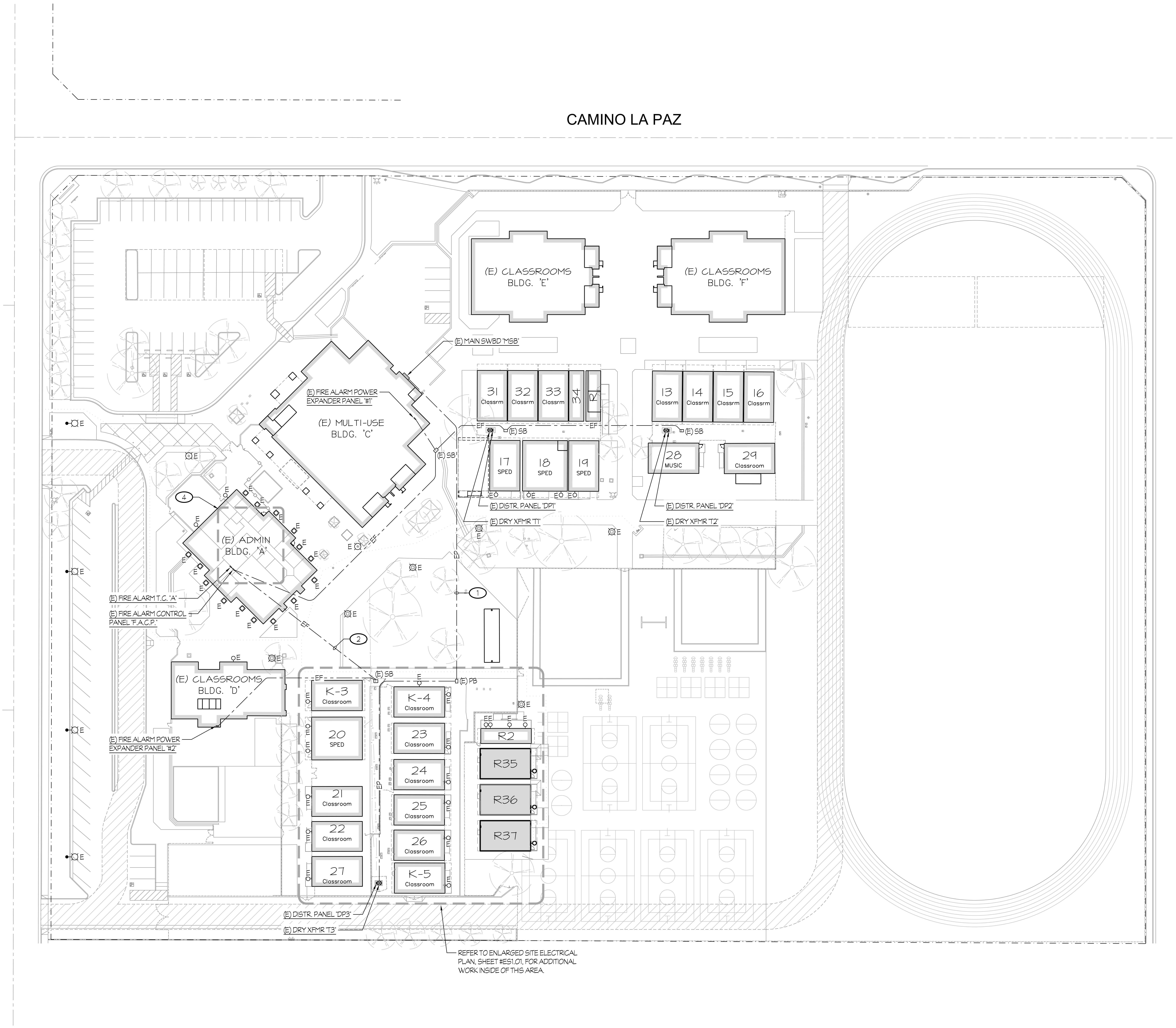


SITE ELECTRICAL PLAN

3 RELOCATABLE BUILDINGS

SCALE: 1" = 40'

NOTES (THIS SHEET ONLY):

① — - —EP— - — DENOTES THE APPROXIMATE LOCATION OF EXISTING "POWER" FEEDERS AND/OR "SPARE" CONDUITS. VERIFY EXACT LOCATION AT SITE.

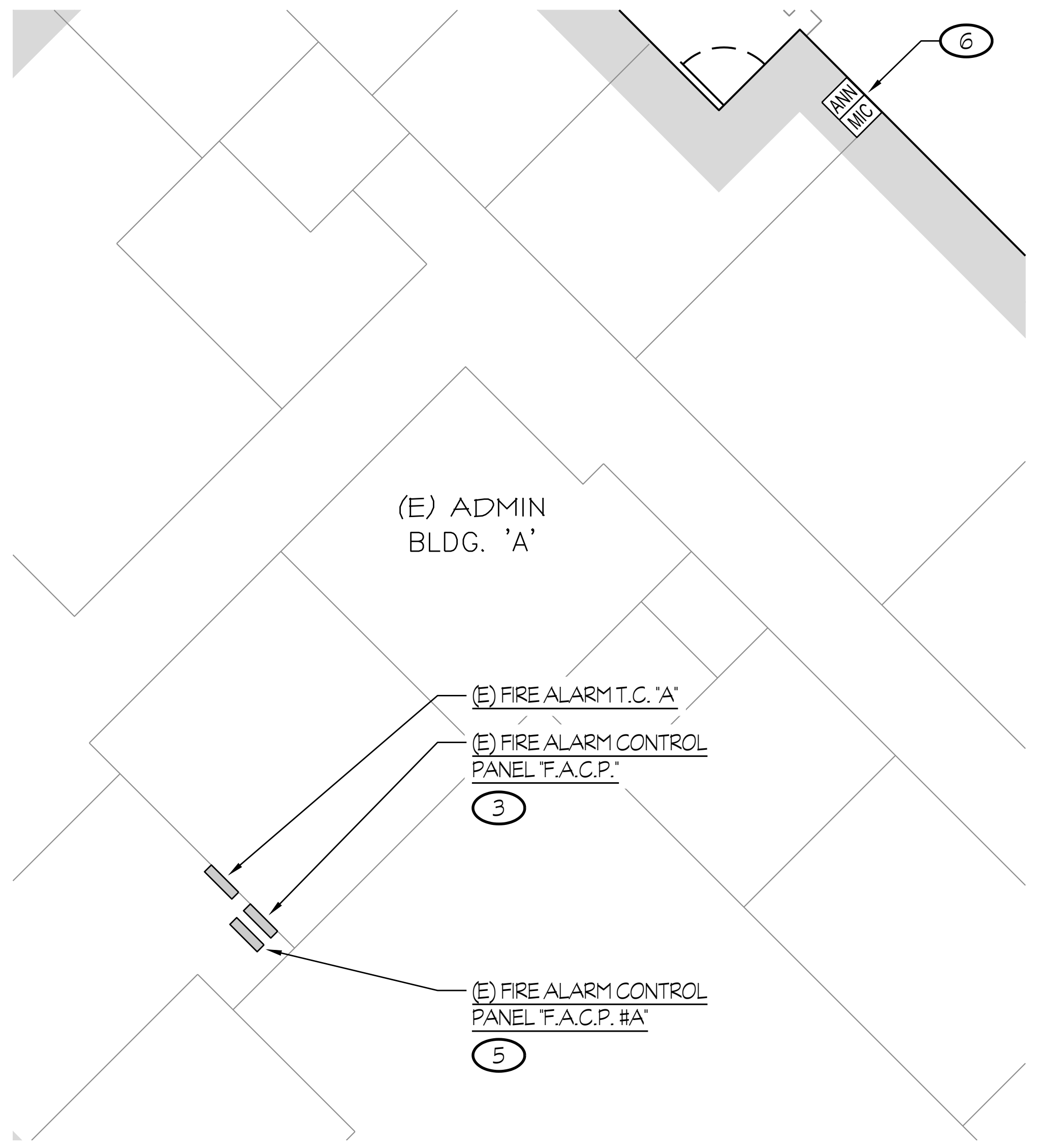
② — - —EF— - — DENOTES THE APPROXIMATE LOCATION OF EXISTING "FIRE ALARM" FEEDERS AND/OR "SPARE" CONDUITS. VERIFY EXACT LOCATION AT SITE.

③ THE EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P." WAS FURNISHED AND INSTALLED IN D.S.A. APPLICATION NO. 03-53162 AND APPROVED ON MARCH 8, 1993.

④ REFER TO FIRE ALARM PLAN - ADMIN, AT RIGHT FOR ADDITIONAL WORK INSIDE OF THIS AREA.

⑤ THE EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #A" IS BEING FURNISHED AND INSTALLED UNDER SEPARATE D.S.A. APPLICATION NO. 03-126207 AND STILL PENDING SUBMITTED ON 6/17/26.

⑥ EXISTING FIRE EQUIPMENT IS BEING FURNISHED AND INSTALLED UNDER SEPARATE D.S.A. APPLICATION NO. 03-126207 AND STILL PENDING SUBMITTED ON 6/17/26.


6
(E) ADMIN BLDG. 'A'
(E) FIRE ALARM T.C. "A"
(E) FIRE ALARM CONTROL PANEL "F.A.C.P."
3
(E) FIRE ALARM CONTROL PANEL "F.A.C.P. #A"
5

FIRE ALARM PLAN - ADMIN.

SCALE: 1/8" = 1'

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Visalia, California 93292–6705

STEVEN KIRK EASTHAM
No. E-18786
Exp. 6/30/27

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BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

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No. C 28966
REN. 5-31-27

Sheet Title:

SITE ELECTRICAL PLAN

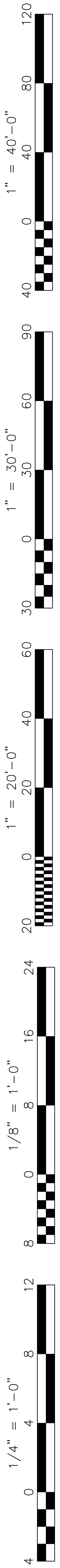
Job No.: **5682.3**

Sheet No.:

ES1.00

Release: DSA SUBMITTAL

Issue Date: 6/23/26



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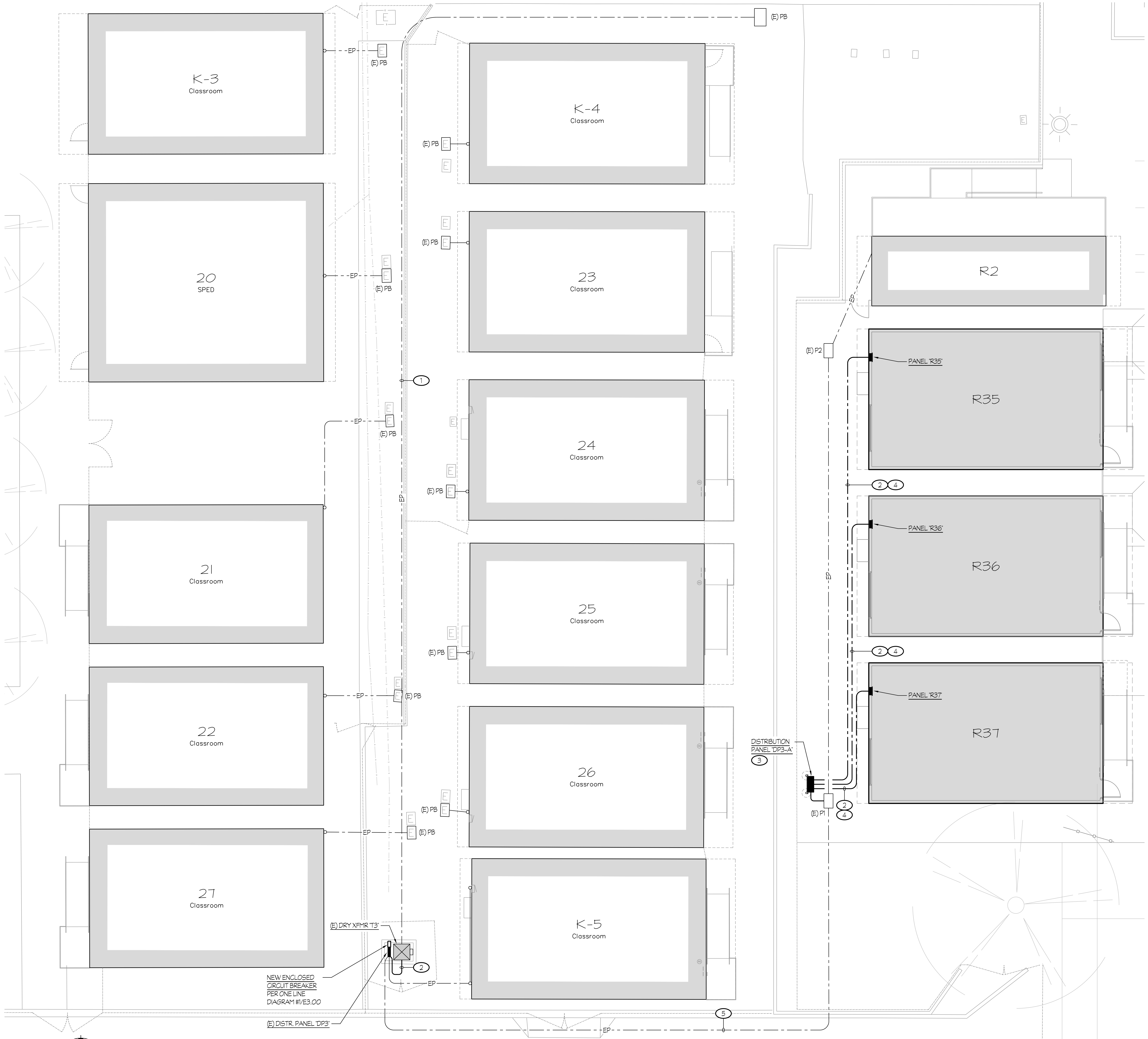

ENLARGED SITE ELECTRICAL PLAN

3 RELOCATABLE BUILDINGS

SCALE: 1/8" = 1'

NOTES (THIS SHEET ONLY):

(1) — - —EP— - — DENOTES THE APPROXIMATE LOCATION OF EXISTING "POWER" FEEDERS AND/OR "SPARE" CONDUITS. VERIFY EXACT LOCATION AT SITE.

(2) REFER TO ONE LINE DIAGRAM, DETAIL #1/E3.00.

(3) REFER TO DETAIL #1/E3.01 FOR DISTRIBUTION PANEL MOUNTING REQUIREMENTS.

(4) REFER TO DETAIL #9/E3.01 FOR TRENCHING REQUIREMENTS.

(5) EXISTING CONDUIT, NEW CONDUCTORS PER ONE LINE DIAGRAM, DETAIL #1/E3.00.

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STEVEN KIRK EASTHAM
No. E-18786
Exp. 6/30/27

Sheet Title:

ENLARGED SITE ELEC. PLAN

Job No.: **5682.3**

Sheet No.: ES1.01

Release: DSA SUBMITTAL

Issue Date: 6/23/26

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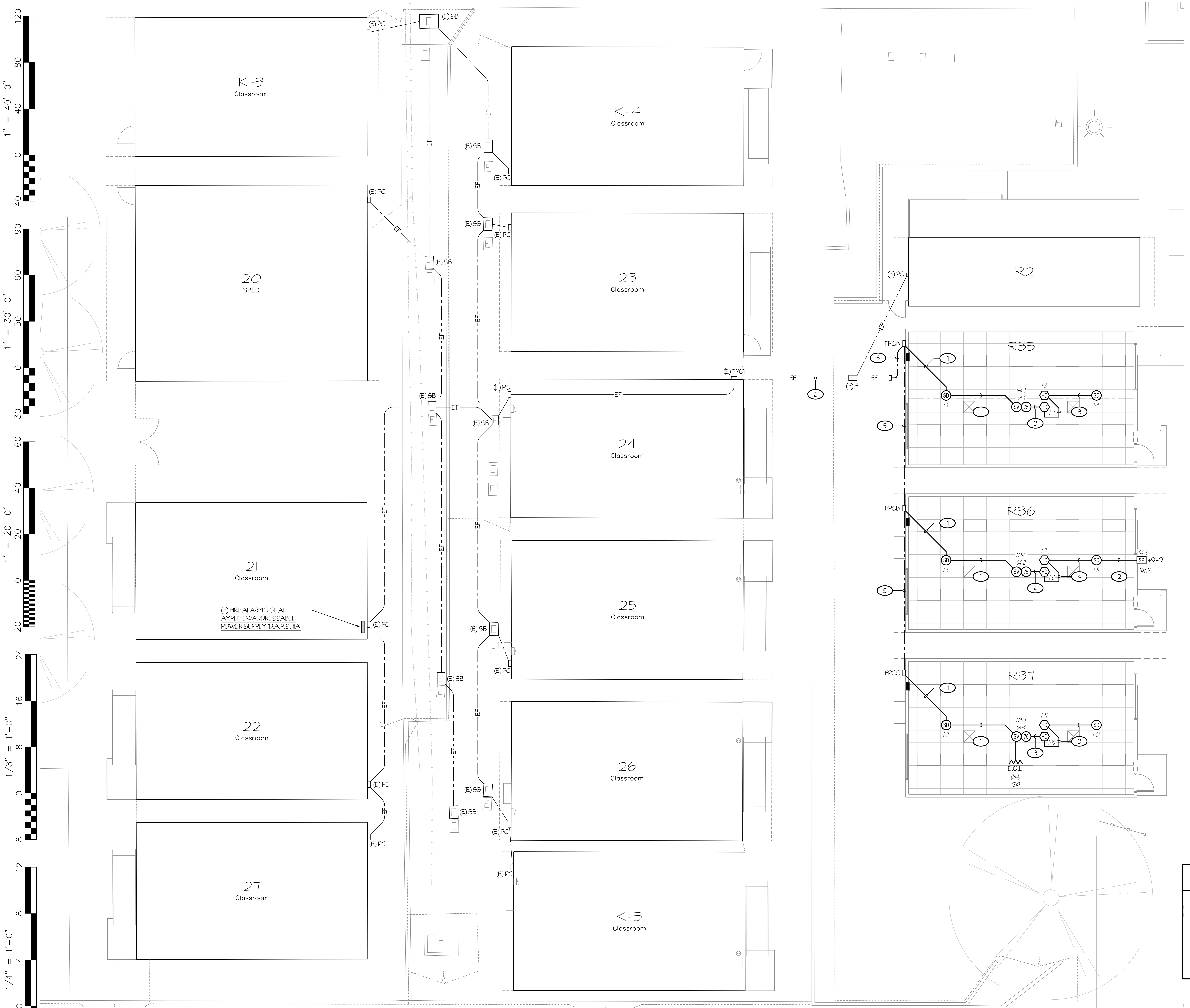

FIRE ALARM PLAN

3 RELOCATABLE BUILDINGS

SCALE: 1/8" = 1'

NOTES (THIS SHEET ONLY):

① 3/4"C - TWO "FA" CABLES, TWO "FSP" CABLES, 4 #12.

② 1/2"C - TWO "FSP" CABLES.

③ 3/4"C - TWO "FA" CABLES.

④ 3/4"C - TWO "FA" CABLES, TWO "FSP" CABLES.

⑤ REFER TO FIRE ALARM SYSTEM RISER DIAGRAM, DETAIL #1/E1.02 FOR FIRE ALARM FEEDER OR "SPARE" CONDUIT REQUIREMENTS.

⑥ — - —EF— - — DENOTES THE APPROXIMATE LOCATION OF EXISTING "FIRE ALARM" FEEDERS AND/OR "SPARE" CONDUITS. VERIFY EXACT LOCATION AT SITE.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

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THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

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Stamp:

CURTIS E. FLYNN
No. C 28966
REN. 5-31-27

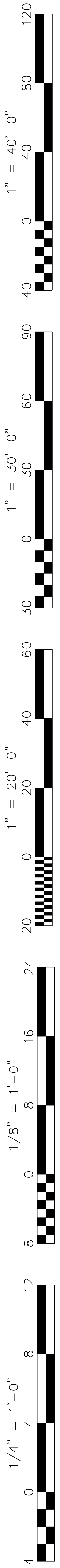
Sheet Title:

FIRE ALARM PLAN

Job No.: **5682.3**

Sheet No.: E1.00

Release: DSA SUBMITTAL
Issue Date: 6/23/26



FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS

RESULT OF OPERATION ⇩	TYPE OF INITIATION				
	MANUAL PULL STATION	AREA SMOKE/ HEAT DETECTOR (1)	CARBON MONOXIDE DETECTOR (2)	LOSS OF POWER	SHORT CIRCUIT/ GROUND FAULT
ANNUNCIATE ALARM AT FIRE ALARM CONTROL PANEL	YES	YES	———	———	———
ANNUNCIATE TROUBLE AT FIRE ALARM CONTROL PANEL	———	———	———	YES	YES
ANNUNCIATE SUPERVISORY AT FIRE ALARM CONTROL PANEL	———	———	YES	———	———
ACTIVATE ALL AUDIBLE AND VISUAL ALARM SIGNALS	YES	YES	———	———	———
TRANSFER TO BATTERY BACK-UP	———	———	———	YES	———
ACTIVATE TEMPORAL PATTERN, CODE 4, AT RESPECTIVE DETECTOR	———	———	YES	———	———
(1) ANNUNCIATE SUPERVISORY AT THE FIRE ALARM CONTROL PANEL	———	———	YES	———	———
ANNUNCIATE AT 24 HR. ATTENDED LOCATION	YES	YES	YES	YES	———
CENTRAL STATION FOR MONITORING (ALARM)	YES	YES	———	———	———
CENTRAL STATION FOR MONITORING (TROUBLE)	———	———	———	YES	———
CENTRAL STATION FOR MONITORING (SUPERVISORY)	———	———	———	———	———

(1) UPON DETECTION OF CARBON MONOXIDE, A SUPERVISORY SIGNAL SHALL ANNUNCIATE A BOTH THE FIRE ALARM CONTROL PANEL "F.A.C.P. ".

FIRE ALARM SYSTEM GENERAL NOTES

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR TEST SHALL INCLUDE ALL INFORMATION PER NFPA 72 14.6.2.4 AND FIGURE 7.8.2(a) AND READ OUT VERIFICATION FORM FROM CENTER STATION.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN FOR A FIRE ALARM SIGNAL. AUDIBLE DEVICES SHALL ALSO SOUND A TEMPORAL CODE 4 PATTERN FOR A CARBON MONOXIDE SIGNAL. THE EXISTING FIRE ALARM CONTROL PANEL WILL PRODUCE/GENERATE BOTH SIGNALS.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/ CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANELS/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.5.6.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
27. PROVIDE AN ENGRAVED NAMEPLATE INDICATING THE D.S.A. APPLICATION NUMBER, FILE NUMBER AND DATE OF INSTALLATION AT EACH FIRE ALARM CONTROL PANEL "F.A.C.P.", AT EACH DIGITAL AMPLFIER/ADDRESSABLE POWER SUPPLY "D.A.P.S." AND AT EACH FIRE ALARM POWER EXPANDER PANEL "P.E.P.".
    A. THE PRIMARY POWER SUPPLY TO EACH FIRE ALARM CONTROL PANEL "F.A.C.P.", TO EACH DIGITAL AMPLFIER/ADDRESSABLE POWER SUPPLY "D.A.P.S." AND TO EACH FIRE ALARM POWER EXPANDER PANEL "P.E.P." SHALL BE IN ACCORDANCE WITH NFPA 72 10.6.5 AND AS FOLLOWS:
        a) THE CIRCUIT BREAKER FEEDING THE RESPECTIVE PANEL SHALL BE LOCATED IN A LOCKED ROOM OR BEHIND A LOCKABLE DOOR AND BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL ONLY.
        b) THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY. PAINT LOCK-ON ACCESSORY "RED" IN COLOR.
        c) THE CIRCUIT BREAKER SHALL HAVE AN ENGRAVED NAMEPLATE THAT IDENTIFIES IT AS A "FIRE ALARM CIRCUIT". THIS ENGRAVED NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. MOUNT ONTO THE INTERIOR TRIM AND LOCATE ADJACENT TO CIRCUIT BREAKER WHERE POSSIBLE.
        d) THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT EACH FIRE ALARM CONTROL PANEL "F.A.C.P.", AT EACH DIGITAL AMPLFIER/ADDRESSABLE POWER SUPPLY "D.A.P.S." AND AT EACH FIRE ALARM POWER EXPANDER PANEL "P.E.P.". PROVIDE AN ENGRAVED NAMEPLATE (WHITE LETTERS ON A RED BACKGROUND) WHICH INDICATES THIS.
    B. ALL ENGRAVED NAMEPLATES SHALL BE ATTACHED TO THE FRONT OF THE RESPECTIVE ENCLOSURE WITH SCREWS OR RIVETS.
28. PROVIDE A COPY OF THE BATTERY CALCULATION AT EACH FIRE ALARM CONTROL PANEL "F.A.C.P.", AT EACH DIGITAL AMPLFIER/ADDRESSABLE POWER SUPPLY "D.A.P.S." AND AT EACH FIRE ALARM POWER EXPANDER PANEL "P.E.P.". BATTERY CALCULATION SHALL CONTAIN INFORMATION AS NOTED ON SCHEDULES AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF DOOR.

FIRE ALARM SYSTEM EQUIPMENT LEGEND

	SYMBOL	DESCRIPTION	MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS ①	MOUNTING HEIGHT (TO CENTER, U.O.N.)
③	FACP	EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P."	NOTIFIER SYSTEM 500	7165-0028:0157	———	———
④	FACP	EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #A"	NOTIFIER #CPS-N16LD #CAB-5 #DVC-EM #DVC-KD	7165-0028:0516	———	———
			#DAA2-5070	7165-0028:0243		
			#CMIC-1			
⑤	DAPS	EXISTING FIRE ALARM DIGITAL AMPLIFIER/ADDRESSABLE POWER SUPPLY "D.A.P.S. #A"	NOTIFIER #DAA2-5070	7165-0028:0243	———	———
			NOTIFIER #ACPS-610	7315-0028:0248		
⑤	ANN MIC	EXISTING NETWORK CONTROL ANNUNCIATOR	NOTIFIER #NCA-2 RLD	7165-0028:0243	———	———
		MICROPHONE/MIC WELL ASSY.	NOTIFIER #CMIC-1			
	SD	ADDRESSABLE SMOKE DETECTOR	NOTIFIER #FSP-851/B210LP	7272-0028:0206 7300-1653:0109	4" SQ. x 2 1/8" DP. OUTLET BOX WITH S.G. RAISED RING	PER DETAIL #1/E1.03
	HD	ADDRESSABLE HEAT DETECTOR, MOUNTED IN ATTIC (190°F)	NOTIFIER #FST-851H/B210LP	7270-0028:0196 7300-1653:0109	4" SQ. x 2 1/8" DP. OUTLET BOX WITH S.G. RAISED RING	PER DETAIL #1/E1.03
	SV 75	SPEAKER/STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SPSCWL-P	7320-1653:0505	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	PER DETAIL #1/E1.03
	SP W.P.	EXTERIOR SPEAKER, WALL MOUNTED	SYSTEM SENSOR #SPRK-R/WTP-SPW	7320-1653:0201	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION. PROVIDE WEATHERPROOF PLATE FOR SEMI-FLUSH MOUNTING	———
②	E.O.L.	END OF LINE RESISTOR	NOTIFIER	———	———	———
	"FA" CABLE	ADDRESSABLE FIRE ALARM CABLE	WEST PENN #D990	7161-0859:0101	———	———
	"FSP" CABLE	FIRE ALARM SPEAKER CABLE	WEST PENN #975-BL	7161-0859:0101	———	———
	"SFA" CABLE	ADDRESSABLE FIRE ALARM CABLE (OUTDOORS)	WEST PENN #AQ225	7161-0859:0101	———	———
	"SFSP" CABLE	FIRE ALARM SPEAKER CABLE (OUTDOORS)	WEST PENN #AQ225	7161-0859:0101	———	———

NOTES (FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS):

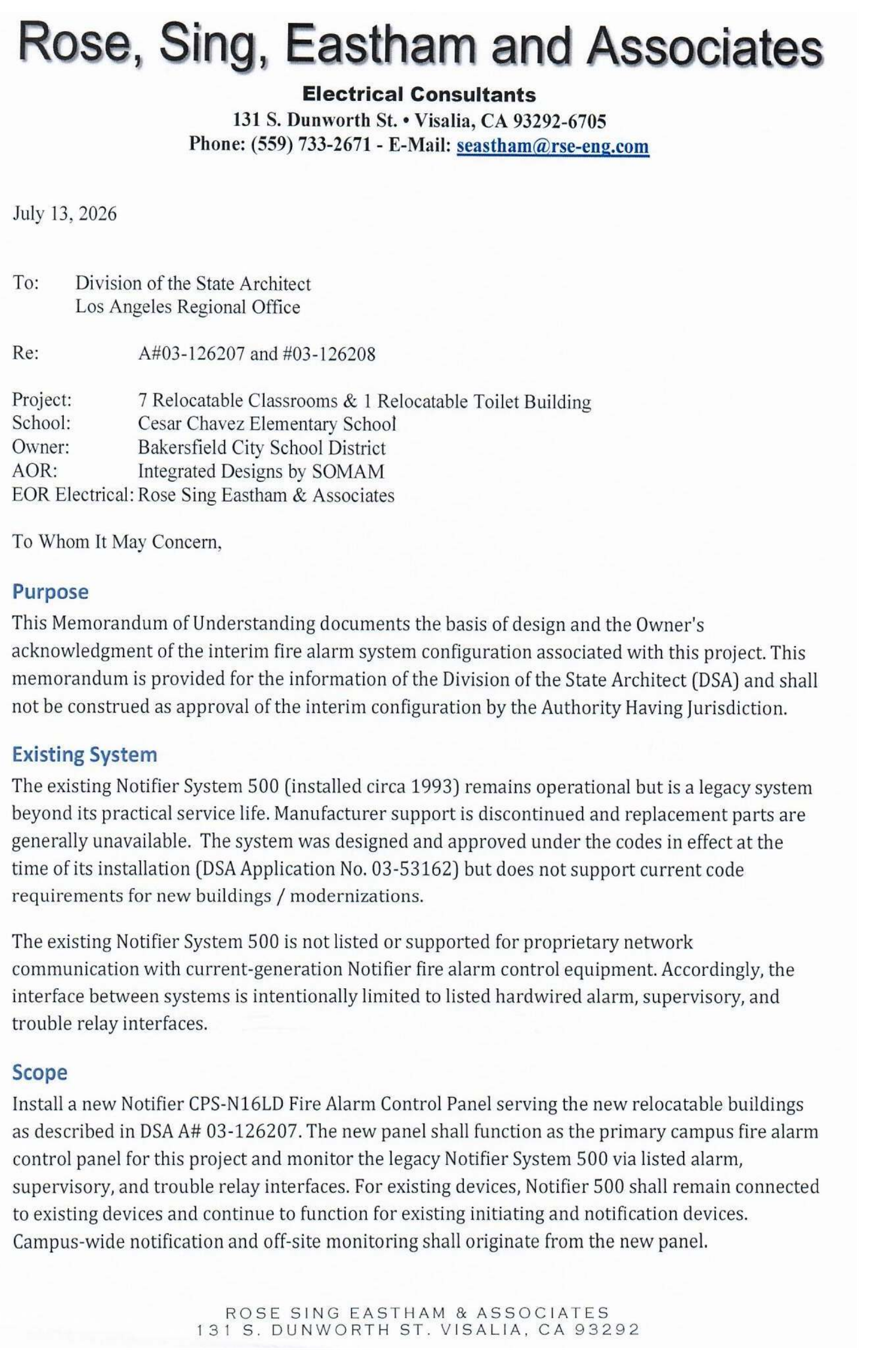
① VERIFY BACKBOX REQUIREMENTS WITH THE FIRE ALARM SYSTEM EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

② PROVIDE 2.2k ohm, 1/2W FOR NOTIFICATION APPLIANCE CIRCUITS FEEDING FROM THE FIRE ALARM CONTROL PANEL AND 4.7k ohm, 1/2W FOR NOTIFICATION APPLIANCE CIRCUITS FEEDING FROM THE ADDRESSABLE POWER SUPPLIES.

③ FURNISHED AND INSTALLED IN D.S.A. APPLICATION NO. 03-53162 AND APPROVED ON MARCH 8, 1993.

④ THE EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P.-A" IS BEING FURNISHED AND INSTALLED UNDER SEPARATE D.S.A. APPLICATION NO. 03-126207 AND STILL PENDING SUBMITTED ON 6/17/26.

⑤ EXISTING FIRE EQUIPMENT IS BEING FURNISHED AND INSTALLED UNDER SEPARATE D.S.A. APPLICATION NO. 03-126207 AND STILL PENDING SUBMITTED ON 6/17/26.



Rose, Sing, Eastham and Associates
Electrical Consultants
131 S. Dunworth St. • Visalia, CA 93292-6705
Phone: (559) 733-2671 - E-Mail: seastham@rse-eng.com

July 13, 2026

To: Division of the State Architect
Los Angeles Regional Office

Re: A#03-126207 and #03-126208

Project: 7 Relocatable Classrooms & 1 Relocatable Toilet Building
School: Cesar Chavez Elementary School
Owner: Bakersfield City School District
AOR: Integrated Designs by SOMAM
EOR Electrical: Rose Sing Eastham & Associates

To Whom It May Concern,

Purpose

This Memorandum of Understanding documents the basis of design and the Owner's acknowledgment of the interim fire alarm system configuration associated with this project. This memorandum is provided for the information of the Division of the State Architect (DSA) and shall not be construed as approval of the interim configuration by the Authority Having Jurisdiction.

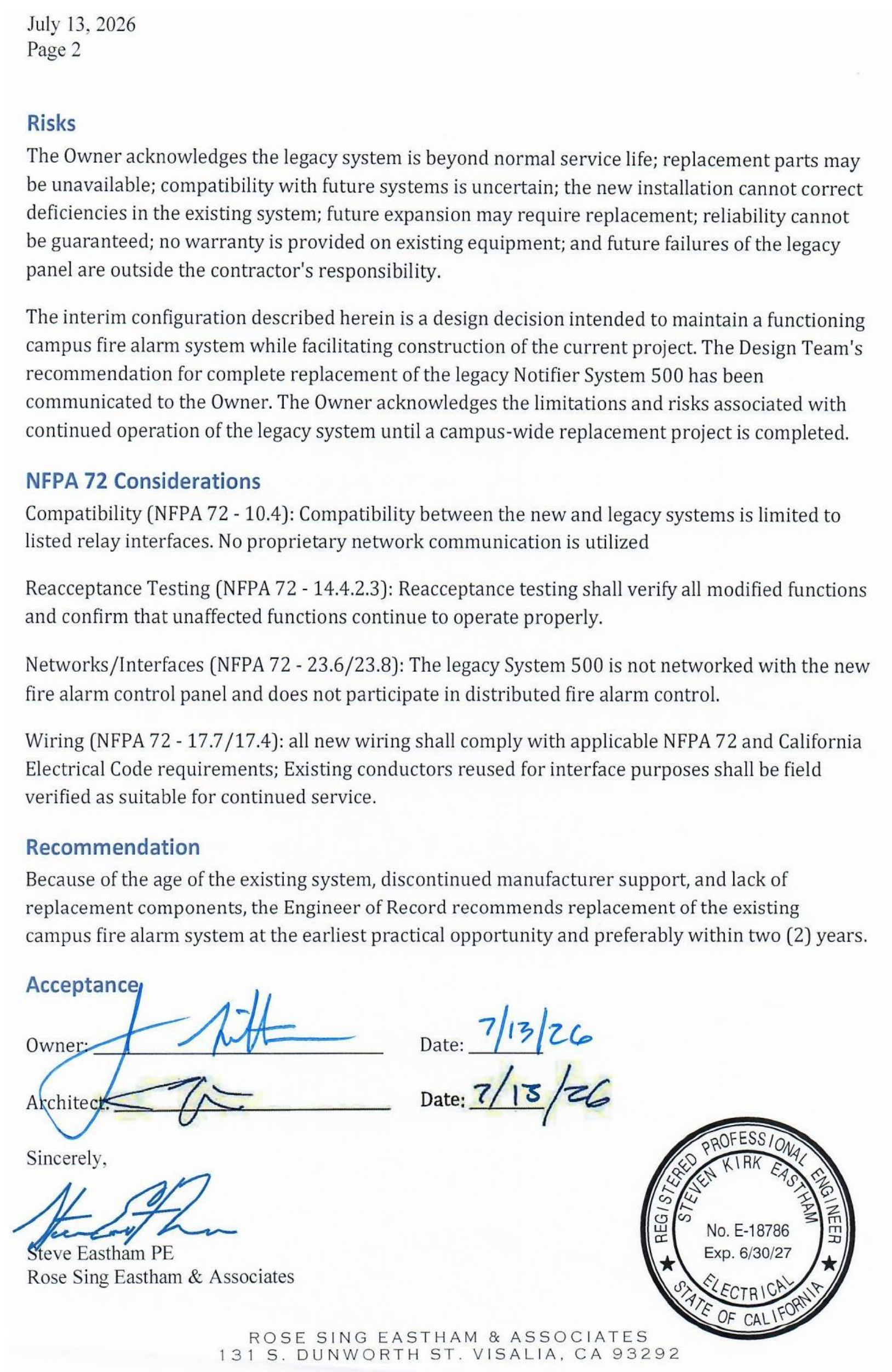
Existing System

The existing Notifier System 500 (installed circa 1993) remains operational but is a legacy system beyond its practical service life. Manufacturer support is discontinued and replacement parts are generally unavailable. The system was designed and approved under the codes in effect at the time of its installation (DSA Application No. 03-53162) but does not support current code requirements for new buildings / modernizations.

The existing Notifier System 500 is not listed or supported for proprietary network communication with current-generation Notifier fire alarm control equipment. Accordingly, the interface between systems is intentionally limited to listed hardwired alarm, supervisory, and trouble relay interfaces.

Scope

Install a new Notifier CPS-N16LD Fire Alarm Control Panel serving the new relocatable buildings as described in DSA A# 03-126207. The new panel shall function as the primary campus fire alarm control panel for this project and monitor the legacy Notifier System 500 via listed alarm, supervisory, and trouble relay interfaces. For existing devices, Notifier 500 shall remain connected to existing devices and continue to function for existing initiating and notification devices. Campus-wide notification and off-site monitoring shall originate from the new panel.



Risks

The Owner acknowledges the legacy system is beyond normal service life; replacement parts may be unavailable; compatibility with future systems is uncertain; the new installation cannot correct deficiencies in the existing system; future expansion may require replacement; reliability cannot be guaranteed; no warranty is provided on existing equipment; and future failures of the legacy panel are outside the contractor's responsibility.

The interim configuration described herein is a design decision intended to maintain a functioning campus fire alarm system while facilitating construction of the current project. The Design Team's recommendation for complete replacement of the legacy Notifier System 500 has been communicated to the Owner. The Owner acknowledges the limitations and risks associated with continued operation of the legacy system until a campus-wide replacement project is completed.

NFPA 72 Considerations

Compatibility (NFPA 72 - 10.4): Compatibility between the new and legacy systems is limited to listed relay interfaces. No proprietary network communication is utilized

Reacceptance Testing (NFPA 72 - 14.4.2.3): Reacceptance testing shall verify all modified functions and confirm that unaffected functions continue to operate properly.

Networks/Interfaces (NFPA 72 - 23.6/23.8): The legacy System 500 is not networked with the new fire alarm control panel and does not participate in distributed fire alarm control.

Wiring (NFPA 72 - 17.7/17.4): all new wiring shall comply with applicable NFPA 72 and California Electrical Code requirements; Existing conductors reused for interface purposes shall be field verified as suitable for continued service.

Recommendation

Because of the age of the existing system, discontinued manufacturer support, and lack of replacement components, the Engineer of Record recommends replacement of the existing campus fire alarm system at the earliest practical opportunity and preferably within two (2) years.

Acceptance

Owner: ____________ Date: 7/13/26

Architect: ____________ Date: 7/13/26

Sincerely,

Steve Eastham PE
Rose Sing Eastham & Associates

No. E-18786
Exp. 6/30/27

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.

AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 32000 AND 32004, AND BE A TEMPORAL PATTERN, CODE 3 AND THEN FOLLOWED BY ANY VOICE MESSAGES.

SCHOOLS FIRE ALARM REQUIREMENTS

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 907.2.3; CALIFORNIA ELECTRICAL CODE, ARTICLE 760 AND CALIFORNIA FIRE CODE, CHAPTER 9, SECTION 907.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, NFPA 72. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING FIRE AGENCY.

FIRE ALARM SYSTEM CERTIFICATION AND DESCRIPTION SHALL BE PROVIDED FOR TESTING AND A PLASTIC LAMINATED COPY SHALL REMAIN (WITH INSTRUCTIONS) AT THE FIRE ALARM CONTROL PANEL PER NFPA 72.

THE FIRE ALARM "CERTIFICATE OF COMPLETION" FORM IN NFPA 72 SHALL BE COMPLETED, SIGNED AND SUBMITTED.

SCOPE OF WORK

1. PROVIDE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH SUPPLEMENTAL MANUAL FIRE DETECTION.
2. PROVIDE A FIRE ALARM CONTROL PANEL, FIRE ALARM POWER EXPANDER PANEL, ADDRESSABLE INITIATION DEVICES, NOTIFICATION APPLIANCES, CONDUIT, CABLING AND CONDUCTORS AS SHOWN ON THE DRAWINGS.

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2

- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

SYSTEM DOCUMENTS AS APPLICABLE:

- RECORD DRAWINGS/AS-BUILTS.
- EQUIPMENT CUT SHEETS AND CA SFM LISTINGS.
- ALTERNATIVE MEANS AND METHODS.
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
- SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8.).
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9.).
- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
- SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

THE SCHOOL DISTRICT SHALL PROVIDE A ON-SITE "FIRE WATCH" IN THE EVENT THAT THE EXISTING FIRE ALARM SYSTEM IS IMPAIRED AND/OR INTERRUPTED DURING CONSTRUCTION PER CALIFORNIA FIRE CODE, SECTION 3304, ARTICLE 3304.5.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

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Visalia, California 93292-6705

No. E-18786
Exp. 6/30/27

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

**ARCHITECTURE
ENGINEERING
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CURTIS E. FLYNN
No. C 28966
REN. 5-31-27

Sheet Title:

F.A. SYSTEM SPECS, CODES AND NOTES

Job No.: **5682.3**

Sheet No.: **E1.01**

Release: DSA SUBMITTAL
Issue Date: 6/23/26

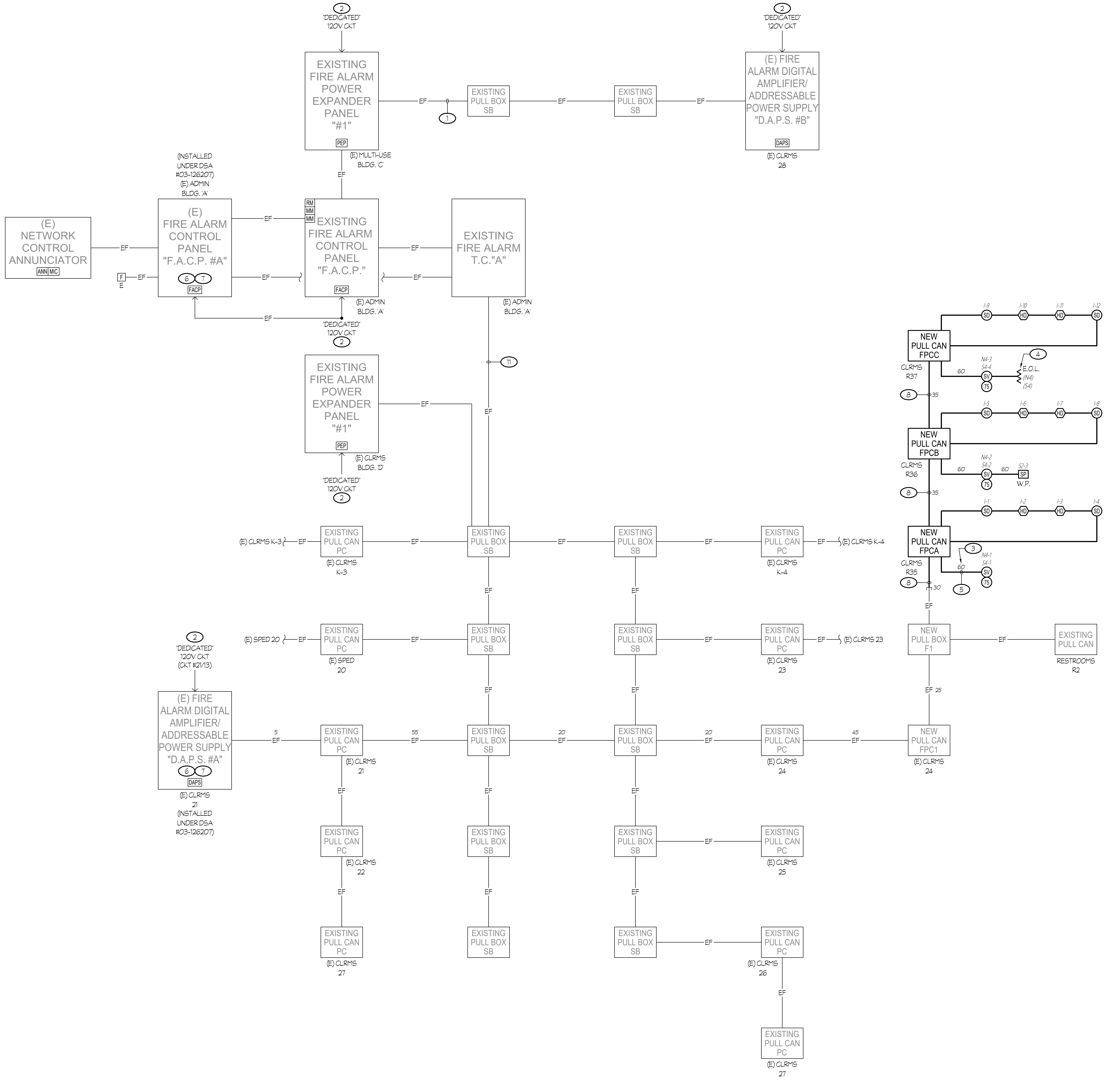
1" = 40'-0"

1" = 30'-0"

1" = 20'-0"

1/8" = 1'-0"

1/4" = 1'-0"



1 FIRE ALARM SYSTEM RISER DIAGRAM

NTS

NOTES (THIS SHEET ONLY):

① ——EF—— DENOTES THE APPROXIMATE LOCATION OF EXISTING "FIRE ALARM" FEEDERS AND/OR "SPARE" CONDUITS.

② EXISTING CIRCUIT BREAKER IS EQUIPPED WITH A "RED" LOCK-ON ACCESSORY.

③ LENGTHS INDICATED WERE USED FOR CALCULATIONS/DESIGN PURPOSES ONLY AND BASED UPON THE "DIAGRAMMATIC" LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.

④ DENOTES END OF LINE RESISTOR ON NOTIFICATION APPLIANCE CIRCUIT. RESISTORS SUPPLIED WITH CONTROL/EXPANDER PANELS AS REQUIRED. LOCATE RESISTORS AT END OF LINE APPLIANCES (CLASS "B" WIRING). TYPICAL.

⑤ REFER TO RESPECTIVE FIRE ALARM PLANS, ON SHEETS #E1.01, FOR CONDUIT AND CABLING/CONDUCTOR REQUIREMENTS, TYPICAL.

⑥ PROVIDE A COPY OF THE BATTERY CALCULATION FOR THE "RESPECTIVE" FIRE ALARM CONTROL PANEL "F.A.C.P. THE BATTERY CALCULATION SHALL CONTAIN INFORMATION (AS NOTED ON THESE PLANS) AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF PANEL DOOR.

⑦ PROVIDE "END-OF-LINE" RESISTORS AT ANY UNUSED OUTPUTS.

⑧ 1" CONDUIT - ONE 'SFA' CABLE (SLC), ONE 'SFSP' CABLE (*S4*), 2 #12 (NAC *N4*).

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

Rose Sing Eastham & Associates
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STEVEN KIRK EASTHAM
No. E-18786
Exp. 6/30/27

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DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
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CURTIS E. FLYNN
No. C 28966
REN. 5-31-27

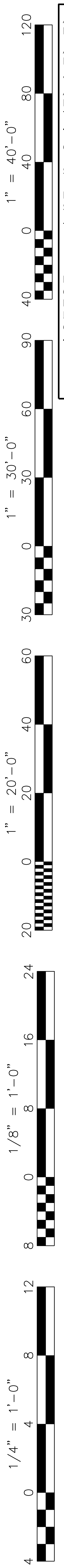
Sheet Title:

F.A. SYSTEM RISER DIAGRAM

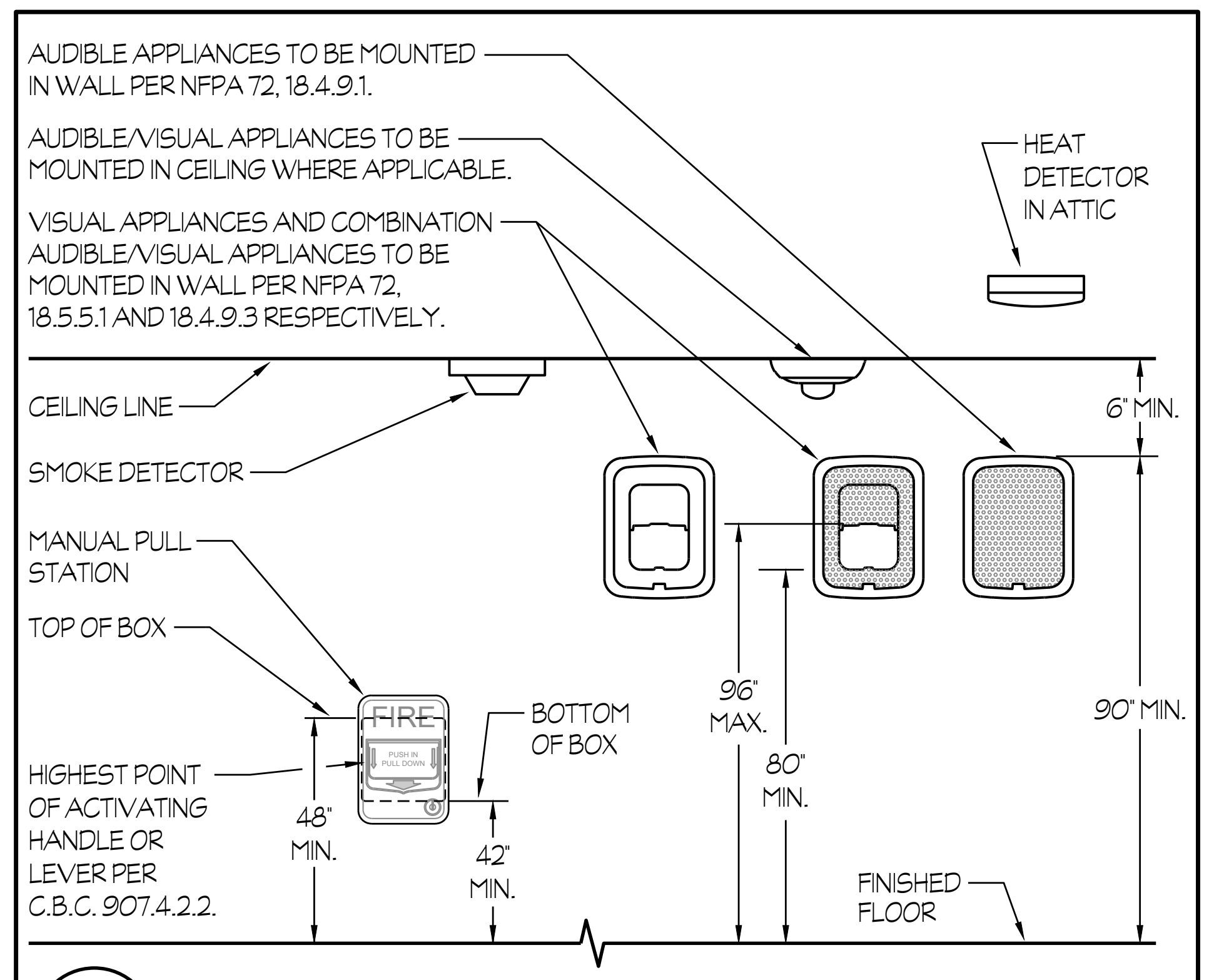
Job No.: **5682.3**

Sheet No.: E1.02

Release: DSA SUBMITTAL
Issue Date: 6/23/26



Z:\Drafting\Jobs\RSE\SCHOOLS\Bakersfield\Bakersfield City School District\5682.3 Cesar Chavez 3 Relos\E1.03.dwg DATE SAVED: 06/24/26 BY: Nicole DATE PLOTTED: 07/01/26 JOB #: 26-010.03-SE


AUDIBLE APPLIANCES TO BE MOUNTED IN WALL PER NFPA 72, 18.4.9.1.
AUDIBLE/VISUAL APPLIANCES TO BE MOUNTED IN CEILING WHERE APPLICABLE.
VISUAL APPLIANCES AND COMBINATION AUDIBLE/VISUAL APPLIANCES TO BE MOUNTED IN WALL PER NFPA 72, 18.5.5.1 AND 18.4.9.3 RESPECTIVELY.
HEAT DETECTOR IN ATTIC
CEILING LINE
SMOKE DETECTOR
6" MIN.
MANUAL PULL STATION
TOP OF BOX
FIRE
PUSH IN PULL DOWN
BOTTOM OF BOX
HIGHEST POINT OF ACTIVATING HANDLE OR LEVER PER C.B.C. 907.4.2.2.
48" MIN.
42" MIN.
96" MAX.
80" MIN.
90" MIN.
FINISHED FLOOR

1 FIRE ALARM DEVICES ELEVATION

NTS

VOLTAGE DROP CALCULATIONS (OHM'S LAW)

$$\text{VOLTAGE DROP} = 2\left(\begin{array}{c}\text{DC RESISTANCE AT } 75°\text{C}\\ \text{FROM TABLE 8, C.E.C.}\end{array}\right)\left(\frac{\text{LENGTH OF CIRCUIT}}{1000}\right)\left(\begin{array}{c}\text{CURRENT}\\ \text{I}\end{array}\right)$$

$$\text{PERCENT VOLTAGE DROP} = \frac{\text{VOLTAGE DROP}}{\text{NOMINAL VOLTAGE}} \times 100$$

1. NOTIFICATION APPLIANCE CIRCUIT " *N4* ":

(SV)(75) : 3 x 0.111 A = 0.333 A

0.333 A

$$\text{VOLTAGE DROP} = 2(1.98)\left(\frac{420}{1000}\right)(0.333) = 0.55 \text{ V.D.}$$

$$\text{PERCENT VOLTAGE DROP} = \frac{0.55}{24} \times 100 = 2.3\%$$

EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #A" BATTERY CALCULATION

DESCRIPTION	QUANTITY	SUPV. CURRENT		ALARM CURRENT	
		EACH	SUB-TOTAL	EACH	SUB-TOTAL
CONTROL PANEL WITH DACT	1	0.54200	0.54200	0.73700	0.73700
(E) MANUAL PULL STATION	1	0.00038	0.000	0.00038	0.00038
(E) SMOKE DETECTOR	22	0.00030	0.00660	0.00030	0.00660
(E) ATTIC HEAT DETECTOR	22	0.00030	0.00660	0.00030	0.00660
(E) MONITOR MODULE	2	0.00035	0.00070	0.00035	0.00070
(E) RELAY MODULE	1	0.00026	0.00026	0.00026	0.00026
SMOKE DETECTOR	6	0.00030	0.00180	0.00030	0.00180
ATTIC HEAT DETECTOR	6	0.00030	0.00180	0.00030	0.00180
	TOTALS		0.560		0.755

TOTAL ALARM CURRENT OF 0.755 x 0.250 (15 MINUTES)	=	0.189 A.H.
TOTAL SUPERVISORY CURRENT OF 0.560 x 24 HOURS	=	13.440 A.H.
TOTAL AMP HOURS REQUIRED		13.629 A.H.
	x	1.25 SAFETY FACTOR
		17.036 A.H.

PROVIDE 18.0 AMP HOUR BATTERIES

EXISTING FIRE ALARM DIGITAL AMPLIFIER/ADDRESSABLE POWER SUPPLY "D.A.P.S. #A" BATTERY CALCULATION

	DESCRIPTION	QUANTITY	SUPV. CURRENT		ALARM CURRENT	
			EACH	SUB-TOTAL	EACH	SUB-TOTAL
	(E) DIGITAL AMPLIFIER	1	0.40000	0.40000	0.55000	0.55000
	(E) ADDRESSABLE POWER SUPPLY	1	0.13000	0.13000	0.13000	0.13000
	(E) 15cd STROBE (CEILING)	4	—	—	0.04100	0.16400
(A)	(E) SPEAKER/75cd STROBE (CEILING)	7	—	—	0.11100	0.77700
(A)	SPEAKER/75cd STROBE (CEILING)	3	—	—	0.11100	0.33300
		TOTALS		0.530		1.954

TOTAL ALARM CURRENT OF 1.954 x 0.250 (15 MINUTES)	=	0.489 A.H.
TOTAL SUPERVISORY CURRENT OF 0.530 x 24 HOURS	=	12.720 A.H.
TOTAL AMP HOURS REQUIRED		13.209 A.H.
	x	1.25 SAFETY FACTOR
		16.511 A.H.

PROVIDE 18.0 AMP HOUR BATTERIES

(A) THE CURRENT VALUES LISTED ARE FOR THE STROBES ONLY. THE SPEAKER CURRENT IS INCLUDED IN THE VALUES LISTED UNDER THE DIGITAL AMPLIFIER.

SPEAKER dB LOSS CALCULATION

SPEAKER CIRCUIT	SPEAKER VOLTAGE	WIRE SIZE	RESISTANCE PER FOOT	FEET REQUIRED ON CIRCUIT	WIRE RESISTANCE	TOTAL WATTAGE OF SPEAKERS ON CIRCUIT	SPEAKER CURRENT (AMPS)	RESISTANCE OF SPEAKER LOAD	WIRE SIZE	ACTUAL VOLTAGE AT SPEAKER LOAD	ACTUAL WATTS AT SPEAKER LOAD	dB LOSS
S4	70	18	0.01278	480	6.134	4	0.057	1225.00	18	69.6512	3.9602	-0.04

NOTE:

CALCULATION IS BASED ON EACH OF THE "INTERIOR" SPEAKERS TAPPED AT 1 WATT AND EACH OF THE "EXTERIOR" SPEAKERS TAPPED AT 2 WATTS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

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F.A. SYSTEM DETAILS AND CALCS.

Job No.: **5682.3**

Sheet No.: E1.03

Release: DSA SUBMITTAL

Issue Date: 6/23/26

1" = 40'-0"

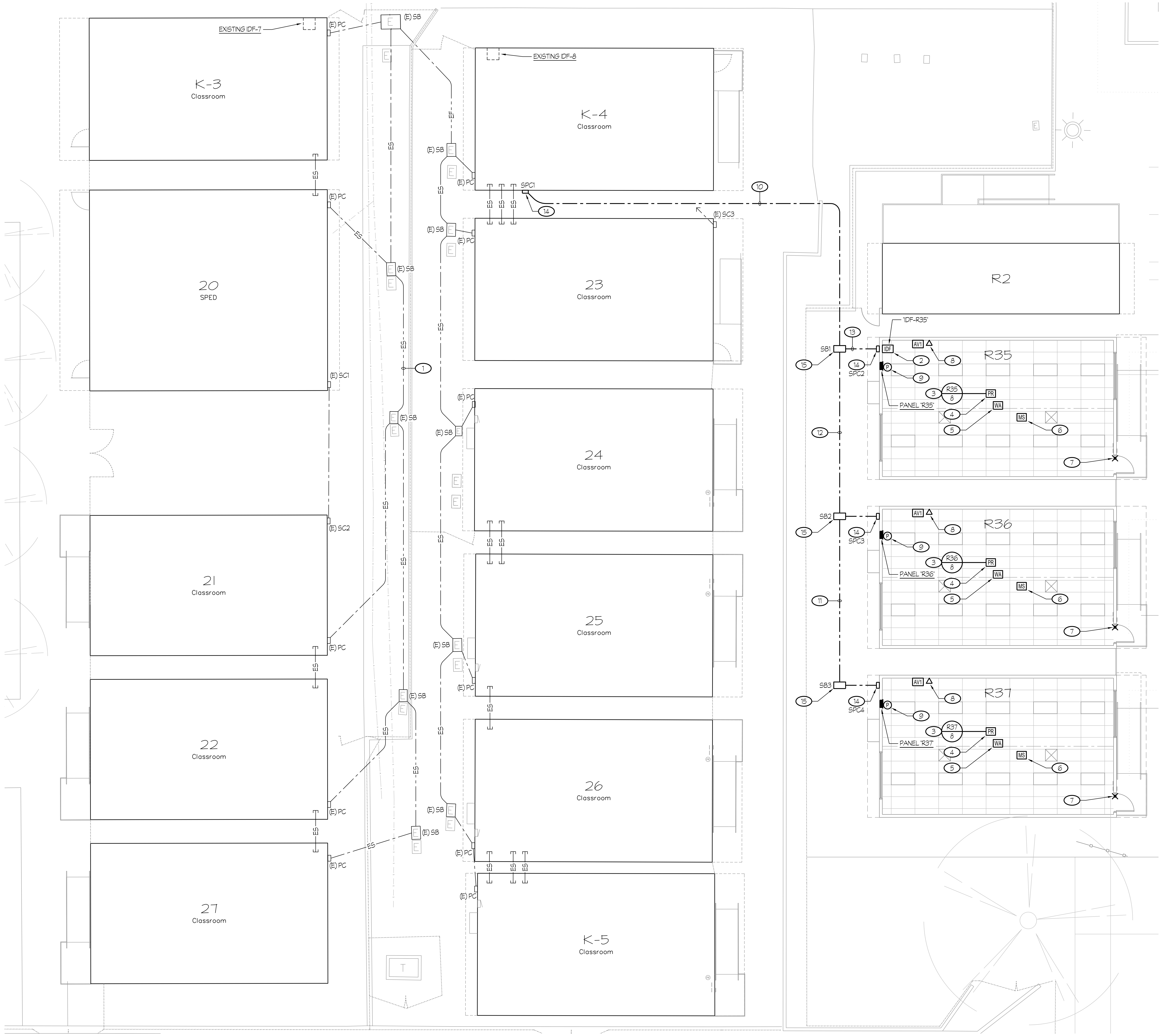
1" = 30'-0"

1" = 20'-0"

1/8" = 1'-0"

1/4" = 1'-0"

Z:\Drafting\Jobs\RSE\SCHOOLS\Bakersfield\Bakersfield City School District\5682.3 Cesar Chavez 3 Relos\E2.00.dwg DATE SAVED: 06/30/26 BY: Nicole DATE PLOTTED: 07/01/26 JOB #: 26-010.03-SE



SIGNALS PLAN

3 RELOCATABLE BUILDINGS

SCALE: 1/8" = 1'

DEMOLITION NOTES (THIS SHEET ONLY):

① — - —ES— - — DENOTES THE APPROXIMATE LOCATION OF EXISTING "SIGNALS" FEEDERS AND/OR "SPARE" CONDUITS. VERIFY EXACT LOCATION AT SITE.

② PROVIDE NEW IDF CABINET PER DETAIL #11/E3.01.

③ PROVIDE 1/2"C - 2 #12 + 1 #12 GND TO PANEL AND PROVIDE NEW 20/1 CIRCUIT BREAKER AS REQUIRED, MATCHING EXISTING PANEL IN STYLE, TYPE, AND AIC RATING.

④ PROJECTOR. PROVIDE 1-GANG BOX IN CEILING WITH SINGLE RJ-45 JACK AND COVERPLATE AND 1-GANG BRUSH PASS-THROUGH FOR HDMI CABLES FOR CONNECTION TO PROJECTOR EQUIPMENT AND ROUTE ONE CAT6 CABLE TO IDF CABINET AND HDMI CABLE TO TEACHER WORK STATION.

⑤ WIRELESS ACCESS POINT. PROVIDE 1-GANG BOX IN CEILING WITH DUAL RJ-45 JACKS AND COVERPLATE FOR CONNECTION TO WIRELESS ACCESS EQUIPMENT AND ROUTE TWO CAT6 CABLES TO IDF CABINET.

⑥ INTRUSION MOTION SENSOR. PROVIDE MOTION SENSOR COMPATIBLE WITH INTRUSION SYSTEM AND ROUTE CABLE (EXPECTED TO BE 2/C 18-AWG) TO INTRUSION CABINET (PROVIDED BY OTHERS).

⑦ INTRUSION DOOR SENSOR. PROVIDE DOOR SENSOR COMPATIBLE WITH INTRUSION SYSTEM AND ROUTE CABLE (EXPECTED TO BE 2/C 18-AWG) TO INTRUSION CABINET (PROVIDED BY OTHERS).

⑧ TEACHER INPUT STATION. PROVIDE 2-GANG SURFACE BOX WITH DUAL RJ-45 JACKS, SURFACE RACEWAY TO CEILING, ONE HDMI INPUT, AND COVERPLATE FOR CONNECTION TO TEACHER WORK STATION. ROUTE TWO CAT6 CABLES TO IDF CABINET, ROUTE HDMI CABLE TO PROJECTOR.

⑨ SPEAKER. PROVIDE 2x2 QUAM LAY IN PAGING SPEAKER. ROUTE ONE CAT6 CABLE TO IDF CABINET AND TERMINATE IN 66-BLOCK FOR CROSS CONNECTION TO PAGING CIRCUIT.

⑩ 2"C-12-STRAND SM FIBER (DATA/NETWORK) PLUS 25-PAIR CAT3 (PAGING / INTRUSION). ALL CABLES TO BE VERIFIED WITH DISTRICT PRIOR TO ROUGH-IN.

⑪ 2"C-SIX CAT6 CABLES (NETWORK/PAGING), TWO 2/C 18-AWG (INTRUSION).

⑫ TWO SETS 2"C-SIX CAT6 CABLES (NETWORK/PAGING), TWO 2/C 18-AWG (INTRUSION).

⑬ 2"C-12-STRAND SM FIBER (DATA/NETWORK) PLUS 25-PAIR CAT3 (PAGING / INTRUSION) TWO SETS 2"C-SIX CAT6 CABLES (NETWORK/PAGING), TWO 2/C 18-AWG (INTRUSION) ROUTE TO IDF CABINET AS REQUIRD.

⑭ WEATHERPROOF PULLCAN (+/- 12"x12"x6"). MOUNT AT HEIGHT TO ROUTE INTERIOR CONDUIT TO ACCESSIBLE CEILING SPACE AS REQUIRED. SEAL ALL PENETRATIONS.

⑮ INGROUND PULLBOX (CHRISTY B1730 OR EQUAL). INSTALL PER DETAIL #4/E3.01.

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No. C 28066
REN. 5-31-27

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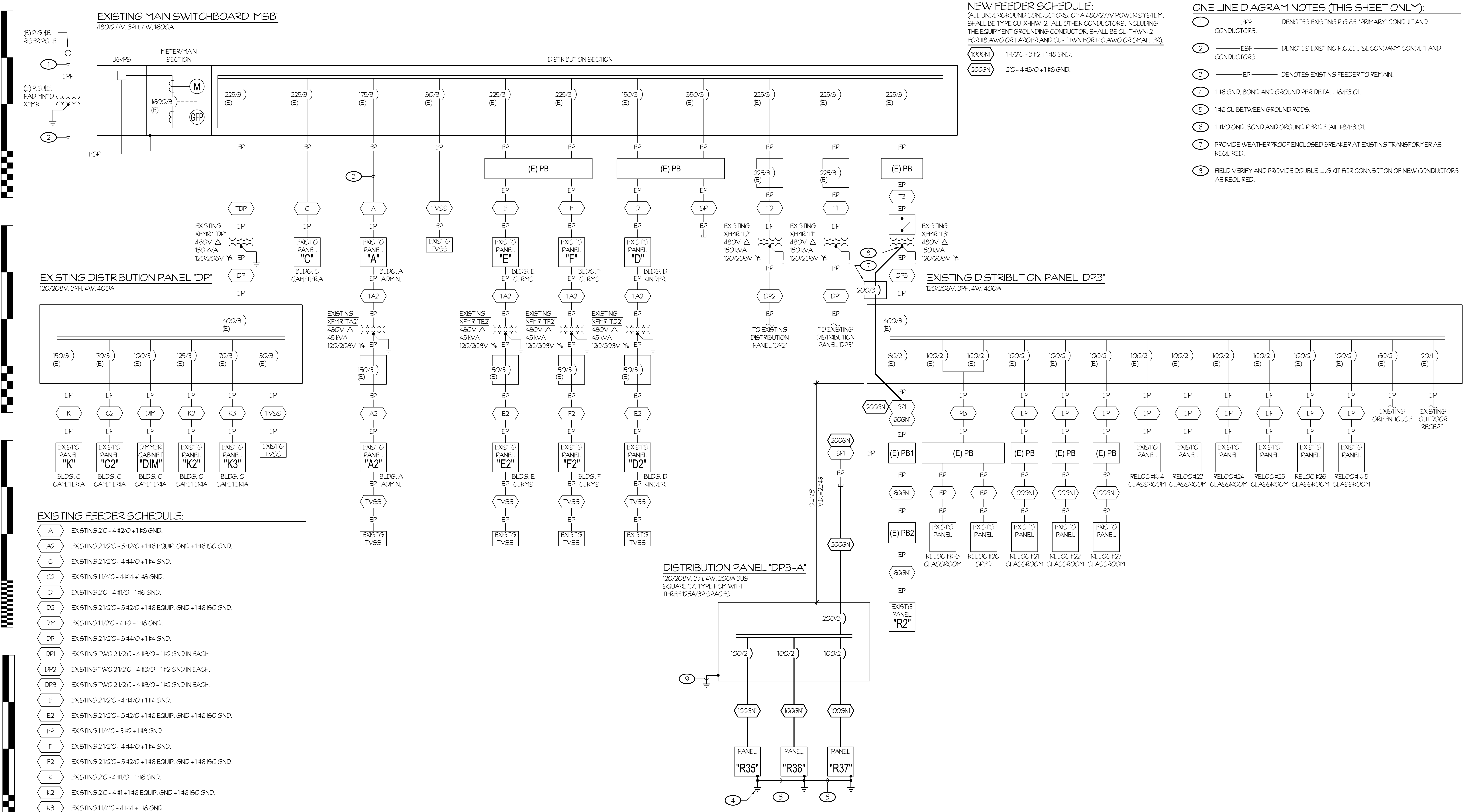
SIGNALS PLAN

Job No.: **5682.3**

Sheet No.: **E2.00**

Release: DSA SUBMITTAL

Issue Date: 6/23/26


EXISTING MAIN SWITCHBOARD "MSB"
480/277V, 3PH, 4W, 1600A
(E) P.G.&E. RISER POLE
(E) P.G.&E. PAD MNTD XFMR
EPP
ESP
UG/PS
METER/MAIN SECTION
M
GFP
1600/3 (E)
DISTRIBUTION SECTION
225/3 (E)
175/3 (E)
30/3 (E)
150/3 (E)
350/3 (E)
EP
(E) PB
TDP
C
A
TVSS
E
F
D
SP
T2
T1
T3
EXISTING XFMR "TDP" 480V Δ 150 kVA 120/208V Y
EXIST'G PANEL "C" BLDG. C CAFETERIA
EXIST'G PANEL "A" BLDG. A ADMIN.
EXIST'G TVSS
EXIST'G PANEL "E" BLDG. E CLRMS
EXIST'G PANEL "F" BLDG. F CLRMS
EXIST'G PANEL "D" BLDG. D KINDER.
EXISTING XFMR "T2" 480V Δ 150 kVA 120/208V Y
EXISTING XFMR "T1" 480V Δ 150 kVA 120/208V Y
EXISTING XFMR "T3" 480V Δ 150 kVA 120/208V Y
DP2
DP1
DP3
TO EXISTING DISTRIBUTION PANEL "DP2"
TO EXISTING DISTRIBUTION PANEL "DP3"
200/3
EXISTING DISTRIBUTION PANEL "DP"
120/208V, 3PH, 4W, 400A
DP
400/3 (E)
150/3 (E)
70/3 (E)
100/3 (E)
125/3 (E)
K
C2
DIM
K2
K3
EXISTG PANEL "K" BLDG. C CAFETERIA
EXISTG PANEL "C2" BLDG. C CAFETERIA
DIMMER CABINET "DIM" BLDG. C CAFETERIA
EXISTG PANEL "K2" BLDG. C CAFETERIA
EXISTG PANEL "K3" BLDG. C CAFETERIA
EXISTG TVSS
TA2
EXISTING XFMR "TA2" 480V Δ 45 kVA 120/208V Y
EXISTING XFMR "TE2" 480V Δ 45 kVA 120/208V Y
EXISTING XFMR "TF2" 480V Δ 45 kVA 120/208V Y
EXISTING XFMR "TD2" 480V Δ 45 kVA 120/208V Y
A2
E2
F2
EXISTG PANEL "A2" BLDG. A ADMIN.
EXISTG PANEL "E2" BLDG. E CLRMS
EXISTG PANEL "F2" BLDG. F CLRMS
EXISTG PANEL "D2" BLDG. D KINDER.
EXISTG TVSS
EXISTING DISTRIBUTION PANEL "DP3"
120/208V, 3PH, 4W, 400A
60/2 (E)
100/2 (E)
20/1 (E)
200GN
SP1
60GN1
100GN1
PB
(E) PB1
(E) PB2
EXISTG PANEL "R2"
EXISTG PANEL RELOC #K-3 CLASSROOM
EXISTG PANEL RELOC #20 SPED
EXISTG PANEL RELOC #21 CLASSROOM
EXISTG PANEL RELOC #22 CLASSROOM
EXISTG PANEL RELOC #27 CLASSROOM
EXISTG PANEL RELOC #K-4 CLASSROOM
EXISTG PANEL RELOC #23 CLASSROOM
EXISTG PANEL RELOC #24 CLASSROOM
EXISTG PANEL RELOC #25 CLASSROOM
EXISTG PANEL RELOC #26 CLASSROOM
EXISTG PANEL RELOC #K-5 CLASSROOM
EXISTING GREENHOUSE
EXISTING OUTDOOR RECEPT.
D=145'
V.D.=2.54%
DISTRIBUTION PANEL "DP3-A"
120/208V, 3ph, 4W, 200A BUS
SQUARE "D", TYPE HCM WITH
THREE 125A/3P SPACES
200/3
100/2
PANEL "R35"
PANEL "R36"
PANEL "R37"
1
2
3
4
5
7
8
9

NEW FEEDER SCHEDULE:

(ALL UNDERGROUND CONDUCTORS, OF A 480/277V POWER SYSTEM, SHALL BE TYPE CU-XHHW-2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR, SHALL BE CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER).

100GN1	1-1/2"C - 3 #2 + 1 #8 GND.
200GN	2"C - 4 #3/0 + 1 #6 GND.

ONE LINE DIAGRAM NOTES (THIS SHEET ONLY):

1. ——— EPP ——— DENOTES EXISTING P.G.&E. "PRIMARY" CONDUIT AND CONDUCTORS.
2. ——— ESP ——— DENOTES EXISTING P.G.&E.. "SECONDARY" CONDUIT AND CONDUCTORS.
3. ——— EP ——— DENOTES EXISTING FEEDER TO REMAIN.
4. 1 #6 GND, BOND AND GROUND PER DETAIL #8/E3.01.
5. 1 #6 CU BETWEEN GROUND RODS.
6. 1 #1/0 GND, BOND AND GROUND PER DETAIL #8/E3.01.
7. PROVIDE WEATHERPROOF ENCLOSED BREAKER AT EXISTING TRANSFORMER AS REQUIRED.
8. FIELD VERIFY AND PROVIDE DOUBLE LUG KIT FOR CONNECTION OF NEW CONDUCTORS AS REQUIRED.

EXISTING FEEDER SCHEDULE:

A	EXISTING 2"C - 4 #2/0 + 1 #6 GND.
A2	EXISTING 2 1/2"C - 5 #2/0 + 1 #6 EQUIP. GND + 1 #6 ISO GND.
C	EXISTING 2 1/2"C - 4 #4/0 + 1 #4 GND.
C2	EXISTING 1 1/4"C - 4 #14 +1 #8 GND.
D	EXISTING 2"C - 4 #1/0 + 1 #6 GND.
D2	EXISTING 2 1/2"C - 5 #2/0 + 1 #6 EQUIP. GND + 1 #6 ISO GND.
DIM	EXISTING 1 1/2"C - 4 #2 + 1 #8 GND.
DP	EXISTING 2 1/2"C - 3 #4/0 + 1 #4 GND.
DP1	EXISTING TWO 2 1/2"C - 4 #3/0 + 1 #2 GND IN EACH.
DP2	EXISTING TWO 2 1/2"C - 4 #3/0 + 1 #2 GND IN EACH.
DP3	EXISTING TWO 2 1/2"C - 4 #3/0 + 1 #2 GND IN EACH.
E	EXISTING 2 1/2"C - 4 #4/0 + 1 #4 GND.
E2	EXISTING 2 1/2"C - 5 #2/0 + 1 #6 EQUIP. GND + 1 #6 ISO GND.
EP	EXISTING 1 1/4"C - 3 #2 + 1 #8 GND.
F	EXISTING 2 1/2"C - 4 #4/0 + 1 #4 GND.
F2	EXISTING 2 1/2"C - 5 #2/0 + 1 #6 EQUIP. GND + 1 #6 ISO GND.
K	EXISTING 2"C - 4 #1/0 + 1 #6 GND.
K2	EXISTING 2"C - 4 #1 + 1 #6 EQUIP. GND + 1 #6 ISO GND.
K3	EXISTING 1 1/4"C - 4 #14 +1 #8 GND.
PB	EXISTING 2"C - 6 #2 + 2 #8 GND.
PC	EXISTING 2 1/2"C - 6 #2 + 2 #8 GND.
TA2	EXISTING 1 1/4"C - 3 #4 + 1 #8 GND.
TDP	EXISTING TWO 2 1/2"C - 4 #3/0 + 1 #2 EQUIP. GND + 1 #2 ISO GND IN EACH.
T1	EXISTING 2 1/2"C - 3 #4/0 + 1 #4 GND.
T2	EXISTING 2 1/2"C - 3 #4/0 + 1 #4 GND.
T3	EXISTING 3"C - 3 #4/0 + 1 #4 GND.
TVSS	EXISTING 3/4"C - 4 #10 + 1 #10 GND.
SP	EXISTING TWO THREE 3"C STUBS.
100GN1	EXISTING 1-1/2"C - 3 #2 + 1 #8 GND.
60GN1	EXISTING 1-1/4"C - 3 #6 + 1 #8 GND.
SP1	EXISTING TWO 2" CONDUIT (FUTURE).

① ONE LINE DIAGRAM

NTS

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Sheet No.: E3.00

Release: DSA SUBMITTAL

Issue Date: 6/23/26

1" = 40'-0"

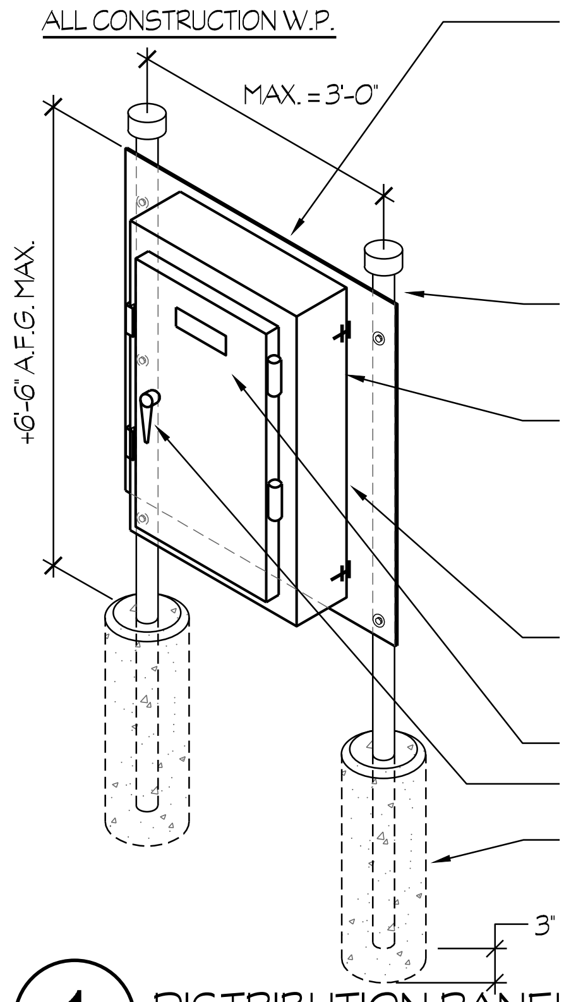
1" = 30'-0"

1" = 20'-0"

1/8" = 1'-0"

1/4" = 1'-0"

ALL CONSTRUCTION W.P.



1/4" THICK ALUMINUM PLATE. BOLT TO 2" DIA. PIPE WITH 3/8" DIA. x 3 1/2" LG. BOLTS, FENDER WASHERS (ON BOTH SIDES), RUBBER WASHERS (BOTH SIDES FOR SEPARATION OF DISLIKE MATERIALS), 1/4" NYLON SPACERS BETWEEN PLATE AND POST, AND HEX NUT WITH NYLON INSERT, ALL METAL COMPONENTS GALVANIZED. TWO ASSEMBLIES PER PIPE.

2" DIA. GALV. STEEL PIPE SCHEDULE 40 & POST CAP. PAINT AS DIRECTED BY ARCHITECT. TYP. OF 2.

ATTACH ENCLOSURE TO 1/4" THICK ALUMINUM PLATE WITH 3/8" DIA. x 1" LG. BOLT, FENDER WASHER, LOCKWASHER AND HEX NUT (ALL COMPONENTS GALVANIZED) RUBBER WASHERS (BOTH SIDES FOR SEPARATION OF DISLIKE MATERIALS). ONE ASSEMBLY AT EACH CORNER.

DISTRIBUTION PANEL "DP"
32" W x 64" H x 8.25" DP.
APPROX. WEIGHT: 239 LBS.

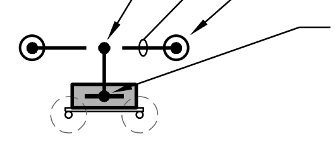
ENGRAVED NAMEPLATE.

LOCKABLE DOOR HANDLE

18" DIA. x 36" DP. CONCRETE FOOTING, TYPICAL. TOP OF FOOTING SHALL BE +1" ABOVE ABOVE FINISH GRADE AND SLOPED TO OUTSIDE DIAMETER. CONCRETE SHALL BE 3000 PSI AT 28 DAYS.

1 DISTRIBUTION PANEL "DP-2" MOUNTING

NTS



CONNECT TO GROUND BUS VIA TWO HOLE, LONG BARREL, ELECTRO-TIN PLATED COPPER COMPRESSION LUG.

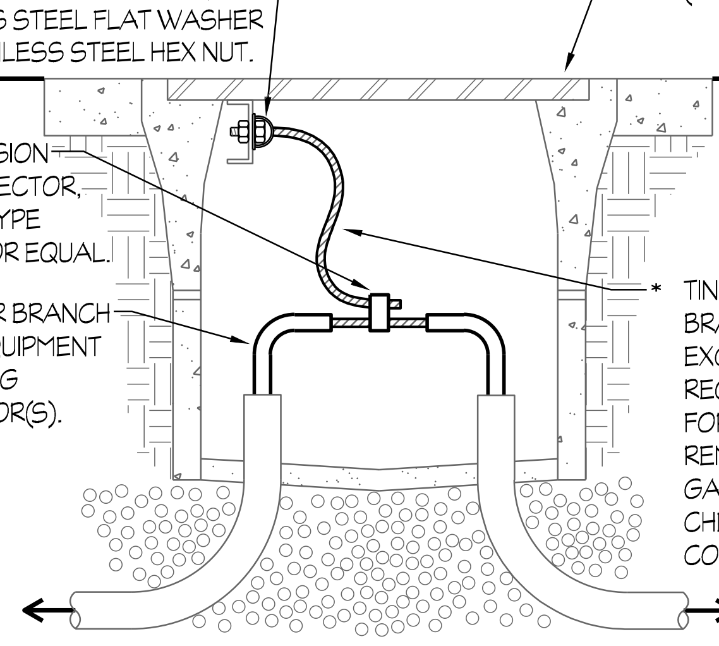
#2/0 BARE COPPER, TYPICAL

GROUND ROD AND WELL PER DETAIL #3/E.301, TYPICAL.

BOND CABLES TOGETHER WITH THE "CADWELD PROCESS, CABLE TO CABLE".

2 DISTRIBUTION PANEL "DP" GROUND AND BONDING

NTS



- ★ ONE HOLE LONG BARREL LUG, COMPRESSION TYPE. ATTACH THE LUG TO C-CHANNEL WITH A STAINLESS STEEL HEX BOLT, STAINLESS STEEL FLAT WASHER AND STAINLESS STEEL HEX NUT.

GALVANIZED STEEL CHECKER PLATE (H/20 RATED) COVER.

COMPRESSION TAP CONNECTOR, BURNDY TYPE "YGHP-C" OR EQUAL.

- ★★ FEEDER OR BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR(S).

* TINNED COPPER FLAT BRAID. PROVIDE EXCESS LENGTH AS REQUIRED TO ALLOW FOR THE FULL REMOVAL OF GALVANIZED STEEL CHECKER PLATE COVER.

- ★ THIS TYPICAL WORK SHALL BE PROVIDED FOR EACH SECTION OF A MULTIPLE SECTION COVER.

- ★★ THIS TYPICAL WORK SHALL BE DONE FOR EACH OF THE LARGEST FEEDER (OR BRANCH CIRCUIT) EQUIPMENT GROUNDING CONDUCTOR, PASSING THRU THE RESPECTIVE PULL BOX, WHICH ORIGINATE FROM SEPARATE SOURCES/VOLTAGES.

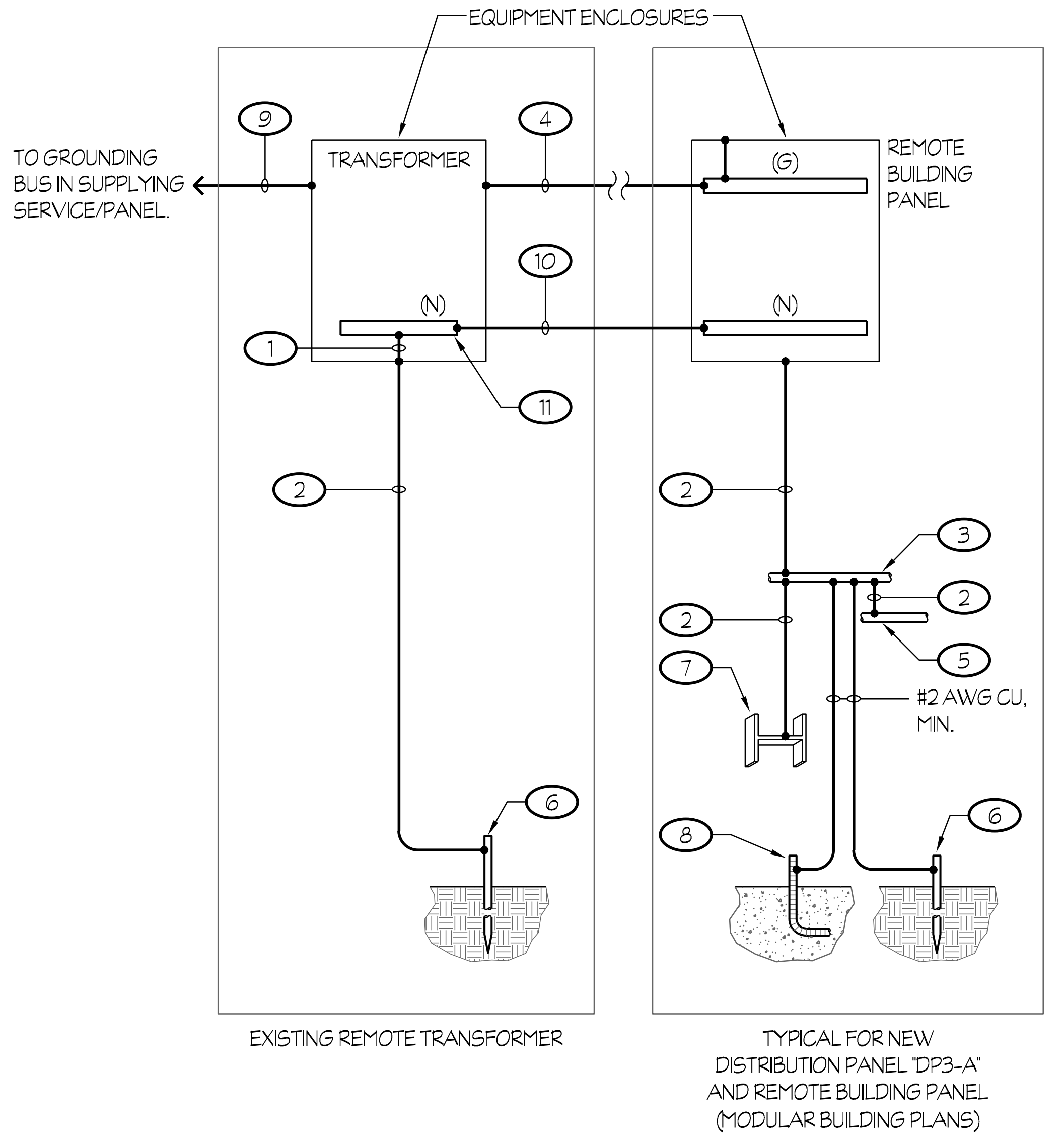
MATRIX FOR TINNED COPPER FLAT BRAID

SIZE OF EQUIPMENT GROUNDING CONDUCTOR (a)	ALPHA WIRE PART #	OLYMPIC WIRE AND CABLE PART #
#8	1233	708
#6	1235	710
#4	1239	710
#2 THRU #1/0	1240	713
#2/0 THRU #4/0	1241	714

(a) CONTAINED IN THE LARGEST FEEDER (OR BRANCH CIRCUIT) PASSING THRU THE RESPECTIVE PULL BOX.

5 GROUNDING AND BONDING OF STEEL CHECKER PLATE COVERS

NTS



EXISTING REMOTE TRANSFORMER

TYPICAL FOR NEW DISTRIBUTION PANEL "DP3-A" AND REMOTE BUILDING PANEL (MODULAR BUILDING PLANS)

NOTES (THIS DETAIL ONLY):

1. SYSTEM BONDING JUMPER PER C.E.C. 250.30 (A), (1).
2. FULL SIZE GROUNDING ELECTRODE CONDUCTOR PER C.E.C., TABLE 250.66.
3. METAL WATER PIPING PER C.E.C. 250.104.
4. SUPPLY SIDE BONDING JUMPER PER C.E.C. 250.30 (A), (2).
5. OTHER ABOVEGROUND METALLIC PIPING SYSTEMS PER C.E.C. 250.104.
6. 5/8" DIA. ROD ELECTRODE PER C.E.C. 250.52 (A), (5).
7. BUILDING STRUCTURAL STEEL PER C.E.C. 250.104.
8. CONCRETE ENCASED ELECTRODE PER C.E.C. 250.52 (A), (3).
9. EQUIPMENT GROUND CONDUCTOR PER C.E.C., TABLE 250.122.
10. NEUTRAL CONDUCTOR PER FEEDER SCHEDULE.
11. NEUTRAL BAR.

LEGEND:

(G) DENOTES THE GROUND BUS OR BAR.

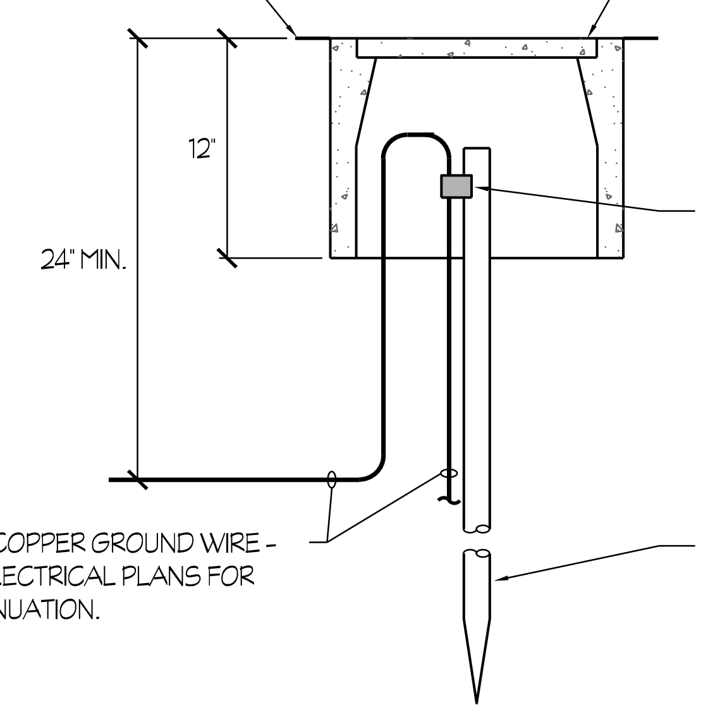
(N) DENOTES THE NEUTRAL BUS OR BAR.

GENERAL NOTE:

ALL MATERIALS AND METHODS USED IN GROUNDING AND BONDING SHALL COMPLY WITH C.E.C. ARTICLE 250.

8 MAIN SERVICE EQUIPMENT AND REMOTE BUILDING PANEL - GROUNDING AND BONDING

NTS



FINISHED GRADE.

8 1/2" I.D. x 11 3/4" PRECAST UTILITY BOX WITH CONCRETE LID. CHRISTY #F8BOX/F8D OR EQUAL WITH THE INSCRIPTION "GROUND" ON LID.

CADWELD CONNECTION.

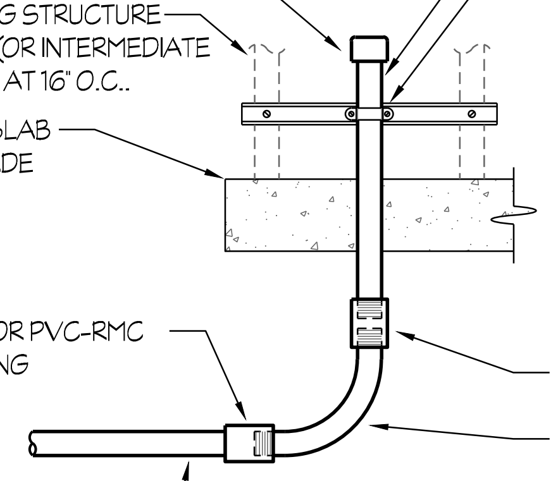
BARE COPPER GROUND WIRE - SEE ELECTRICAL PLANS FOR CONTINUATION.

5/8" DIAMETER x 10'-0" LONG COPPER-CLAD GROUND ROD.

3 GROUND ROD DETAIL

NTS

ALL RMC CONDUIT AND FITTINGS IN CONTACT WITH EARTH OR CONCRETE SHALL BE HALF-LAP TAPED WITH .188mm MASTIC.



AT STUB-UP ONLY LOCATIONS PROVIDE CAP FOR ALL CONDUITS.

BUILDING STRUCTURE STUDS (OR INTERMEDIATE STUDS) AT 16" O.C..

FINISH SLAB OR GRADE

ADAPTOR PVC-RMC COUPLING

PVC CONDUIT PER PLAN

RMC RISER

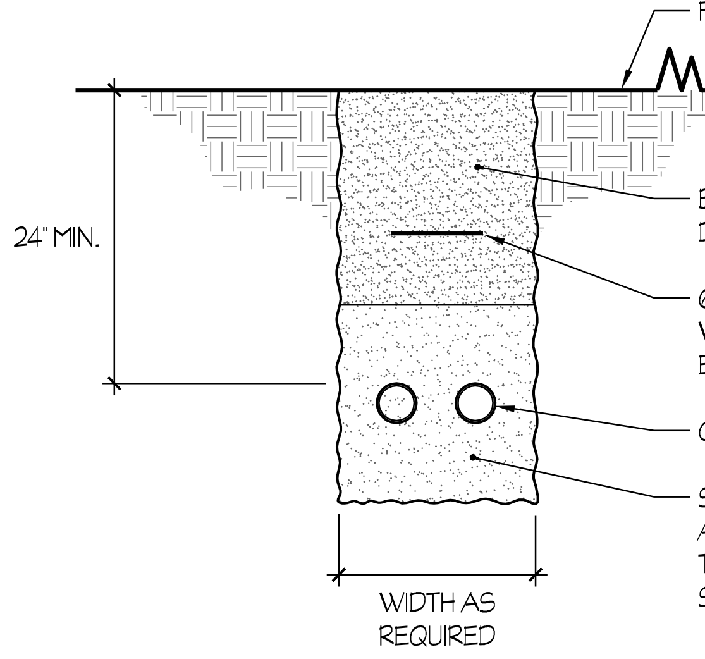
STUB-UPS AT STRUCTURES PROVIDE 1 5/8" SQ. x 12 GA FRAMING CHANNEL ATTACHED TO WALL WITH (2) 3/16" DIA. S.S. SCREWS WITH MINIMUM EMBEDMENT OF 2". SEAL ALL PENETRATIONS AS REQUIRED.

RMC COUPLING

RMC FACTORY ELBOW

6 EXPOSED CONDUIT TRANSITION DETAIL

NTS



FINISHED GRADE

BACKFILL AND COMPACTION TO 85% DENSITY OR PER SPECIFICATIONS.

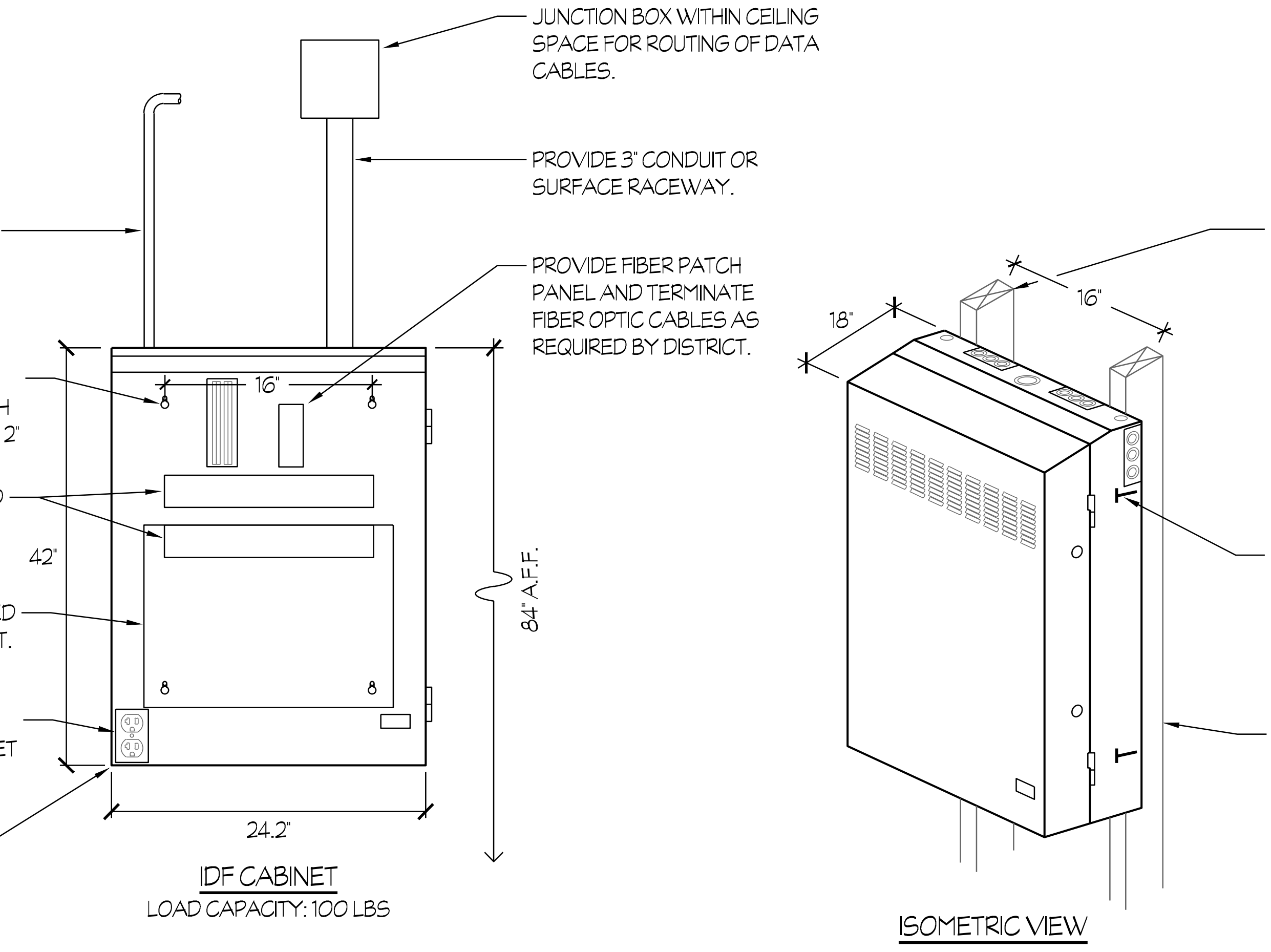
6" WIDE CONTINUOUS DETECTABLE WARNING TAPE: "CAUTION BURIED ELECTRIC LINE BELOW".

CONDUITS PER ONE LINE DIAGRAM.

SAND 6" BELOW, AROUND AND ABOVE CONDUITS. COMPACTION TO 85% DENSITY OR PER SPECIFICATIONS.

9 TRENCH DETAIL

NTS



1/2" CONDUIT TO PANEL FOR LINE VOLTAGE CIRCUIT.

FURNISH AND INSTALL (4) 3/16" DIA. LAG SCREWS WITH WASHERS, EMBED MINIMUM 2" INTO WALL STUD.

PROVIDE PATCH PANEL AND TERMINATE CAT 6 CABLES.

NETWORK SWITCH PROVIDED AND INSTALLED BY DISTRICT.

FURNISH (1) 20-AMP DUPLEX RECEPTACLE WITHIN CABINET

DATA CABINET IS MANUFACTURED BY MIDDLE ATLANTIC #VMW-BPSD-4216-BW.

JUNCTION BOX WITHIN CEILING SPACE FOR ROUTING OF DATA CABLES.

PROVIDE 3" CONDUIT OR SURFACE RACEWAY.

PROVIDE FIBER PATCH PANEL AND TERMINATE FIBER OPTIC CABLES AS REQUIRED BY DISTRICT.

IDF CABINET

LOAD CAPACITY: 100 LBS

INSTALL EXISTING WALL MOUNTED DATA CABINET. COORDINATE EXACT LOCATION WITH DISTRICT PRIOR TO ROUGH-IN.

BUILDING STRUCTURE STUD.

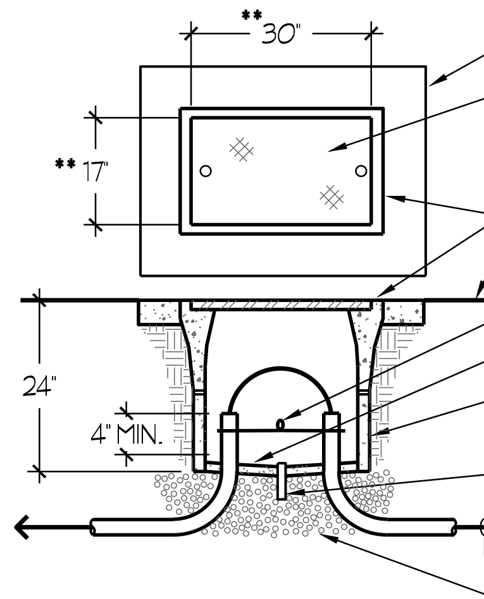
FURNISH AND INSTALL (4) 3/16" DIA. LAG SCREWS WITH WASHERS, EMBED MINIMUM 2" INTO WALL STUD.

BUILDING STRUCTURE STUDS.

ISOMETRIC VIEW

11 WALL MOUNTED DATA CABINET

NTS



CONCRETE MOW STRIP (8"w x 3"d) ★

BOLT DOWN GALV. STEEL CHECKER PLATE COVER (H/20 RATED) WITH ENGRAVED WORDING: "ELECTRIC".

TOP OF BOX TO BE FLUSH WITH FINISH GRADE

FINISH GRADE

BOND TOGETHER IF METAL CONDUITS

2" THICK SLURRY "FLOOR", SLOPE TO DRAINS.

REINFORCED CONCRETE BOX WITH CONCRETE EXTENSION (H/20 RATED), QUANTITY AS REQUIRED.

TWO 1" PVC 40 SLEEVES (FOR DRAINAGE). ONE AT EACH END.

FEEDERS PER SITE ELECTRICAL PLAN

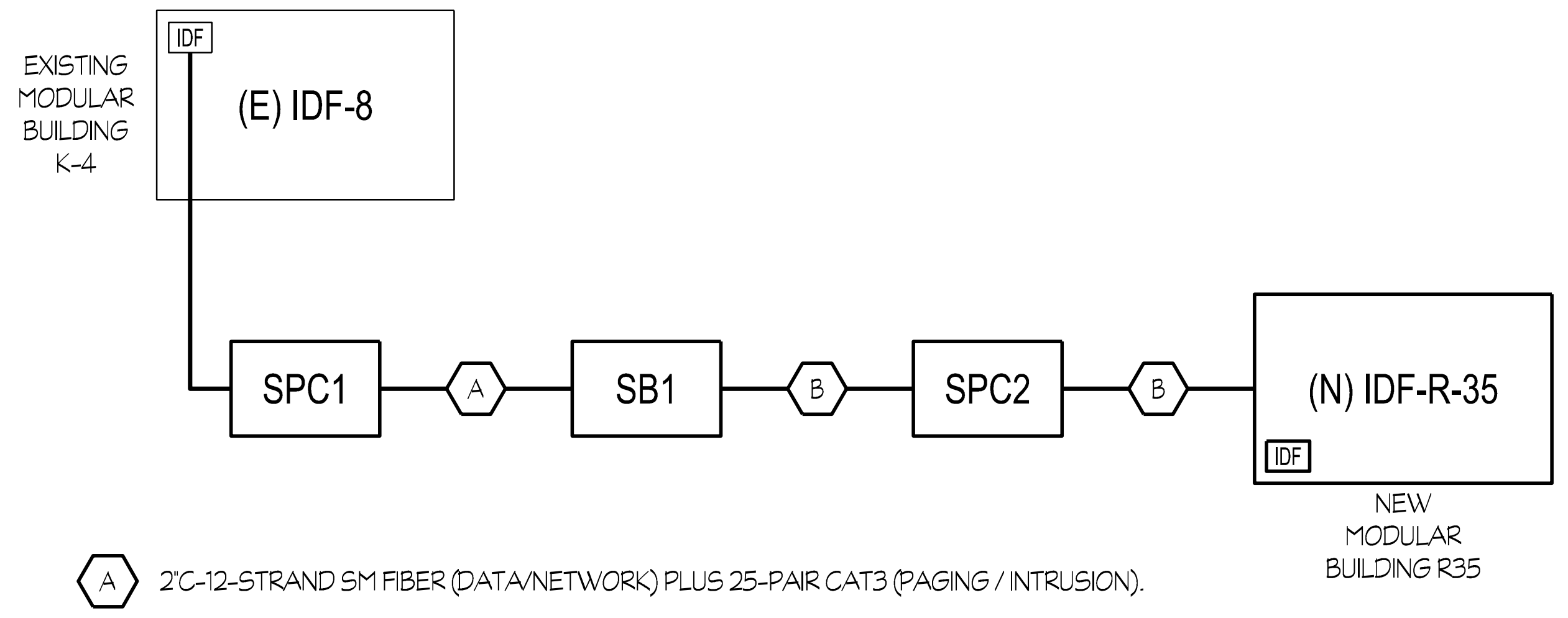
6" GRAVEL BASE, MINIMUM. EXTEND 12" BEYOND PERIMETER.

★ NOTE: WHERE PULL BOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. FOAM SEAL ALL CONDUITS IN YARD BOXES.

★★ NOTE: INTERIOR DIMENSIONS MEASURED AT "OPENING" OF PULL BOX.

4 PULL BOX MOUNTING

NTS



(A) 2"C-12-STRAND SM FIBER (DATA/NETWORK) PLUS 25-PAIR CAT3 (PAGING / INTRUSION).

(B) 2"C-12-STRAND SM FIBER (DATA/NETWORK) PLUS 25-PAIR CAT3 (PAGING / INTRUSION)
TWO SETS 2"C-SIX CAT6 CABLES (NETWORK/PAGING), TWO 2/C 18-AWG (INTRUSION).

7 SIGNALS RISER DIAGRAM

NTS

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth – (559)733-2671
Visalia, California 93292-6705

STEVEN KIRK EASTHAM
No. E-18786
Exp. 6/30/27
ELECTRICAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

Owner:

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER ST
BAKERSFIELD, CA 93305

Project Name:

3 RELOCATABLE BUILDINGS

Project Address:

CESAR CHAVEZ ELEMENTARY SCHOOL
4201 MESA MARIN DR.
BAKERSFIELD, CA 93306

integrated designs
by SOMAM, Inc.

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

6011 N. FRESNO STREET, SUITE 130
FRESNO CALIFORNIA 93710
P:(559) 436-0881 F:(559) 436-0887
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REN. 5-31-27

Sheet Title:

DETAILS

Job No.: **5682.3**

Sheet No.: E3.01

Release: DSA SUBMITTAL

Issue Date: 6/23/26

MSI

MODULAR STRUCTURES
INTERNATIONAL, Inc.

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

~~(40)~~ 24' x 40'
RELOCATABLE CLASSROOM BUILDING
PC #362

STOCKPILE FOR WILLIAMS / SCOTSMAN

WILLSCOT
FROM STOCKPILE TO SITE SPECIFIC
RELOCATION PACKAGE
BAKERSFIELD SD - CESAR CHAVEZ ES
(x1) 24x40 L.H. CLASSROOM BLDG
Sn: 2BB6326-27

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.

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

△1997 UBC AND 1998 CALIFORNIA AMENDMENTS (98 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	OMIT	PAGE	DESCRIPTION
	35-T	TITLE SHEET		S–1	STRUCTURAL GENERAL NOTES
	G–1	GENERAL SPECIFICATIONS		S–1A	STRUCTURAL GENERAL NOTES
	G–3	ARCHITECTURAL STANDARD DETAILS		~~S–5~~	~~SINGLE SLOPE HOT ROLLED/BUILDING CROSS SECTIONS~~
	G–4	PLUMBING GENERAL NOTE AND DETAILS		S–5A	DOUBLE SLOPE COLD ROLLED/TRUSS RIGID FRAME
	35-A-1-24	24'x40' FLOOR PLAN		S–10	FLOOR FRAMING PLAN
	35-A-2-24	24'x40' EXTERIOR ELEVATION		~~S–10.1~~	~~OPTIONAL FLOOR FRAME & DETAILS~~
	35-A-3-24	24'x40' ROOF PLAN		**35-S-11**	FLOOR CONSTRUCTION DETAILS
	A–4–24	24'x40' INTERIOR ELEVATION		S–20	SINGLE OR DOUBLE ROOF PITCH
	A–6–24	24'x40' REFLECTED CEILING PLAN & DETAILS		~~S–25~~	~~STEEL FRAMING DETAIL~~
	M–1–24	24'x40' MECHANICAL PLAN		~~S–26~~	~~STEEL FRAMING DETAIL~~
	E–1–24	24'x40' ELECTRICAL PLAN		**35-S-30**	GENERAL INT. AND EXT. WALL CONSTRUCTION DETAILS
				35-S-40	GENERAL ROOF CONSTRUCTION LAYOUT
				S–52	ROOF CONSTRUCTION DETAILS FOR 'C' CHANNEL WITH PLYWOOD
				35-S-60	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED WITH METAL ROOFING
				S–62	ROOF CONSTRUCTION DETAILS FOR COLD ROLLED AND PLYWOOD ROOFING
				35-S-70	STEEL TRUSS FOR DOUBLE PITCH ROOF (20 PSF)
				35-F-1	WOOD FOUNDATION (50 PSF FLOOR) W/ 20 PSF ROOF
				~~R–1~~	~~RAMP FRAMING PLAN AND DETAILS~~

BUILDING DATA

OCCUPANCY	E–1 AND E–2
TYPE OF CONSTRUCTION	V – N
WIND LOAD	80 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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

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STRUCTURAL ENGINEERS STAMP

2000

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

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STATE AGENCY APPROVAL

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

PC-362

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

TITLE
TITLE SHEET AND BUILDING DATA

JOB #

DATE 5-12-99

DRAWN BY J.C.S.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
35-T

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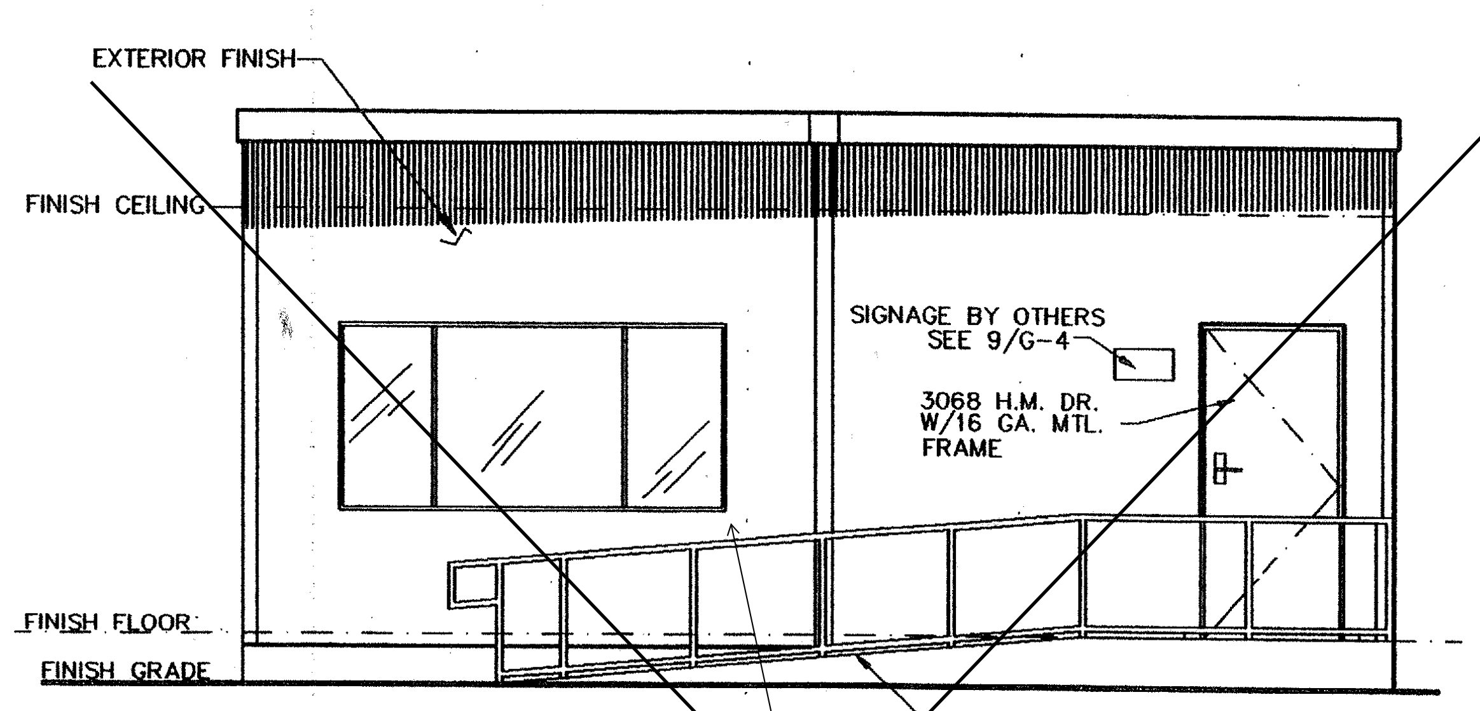
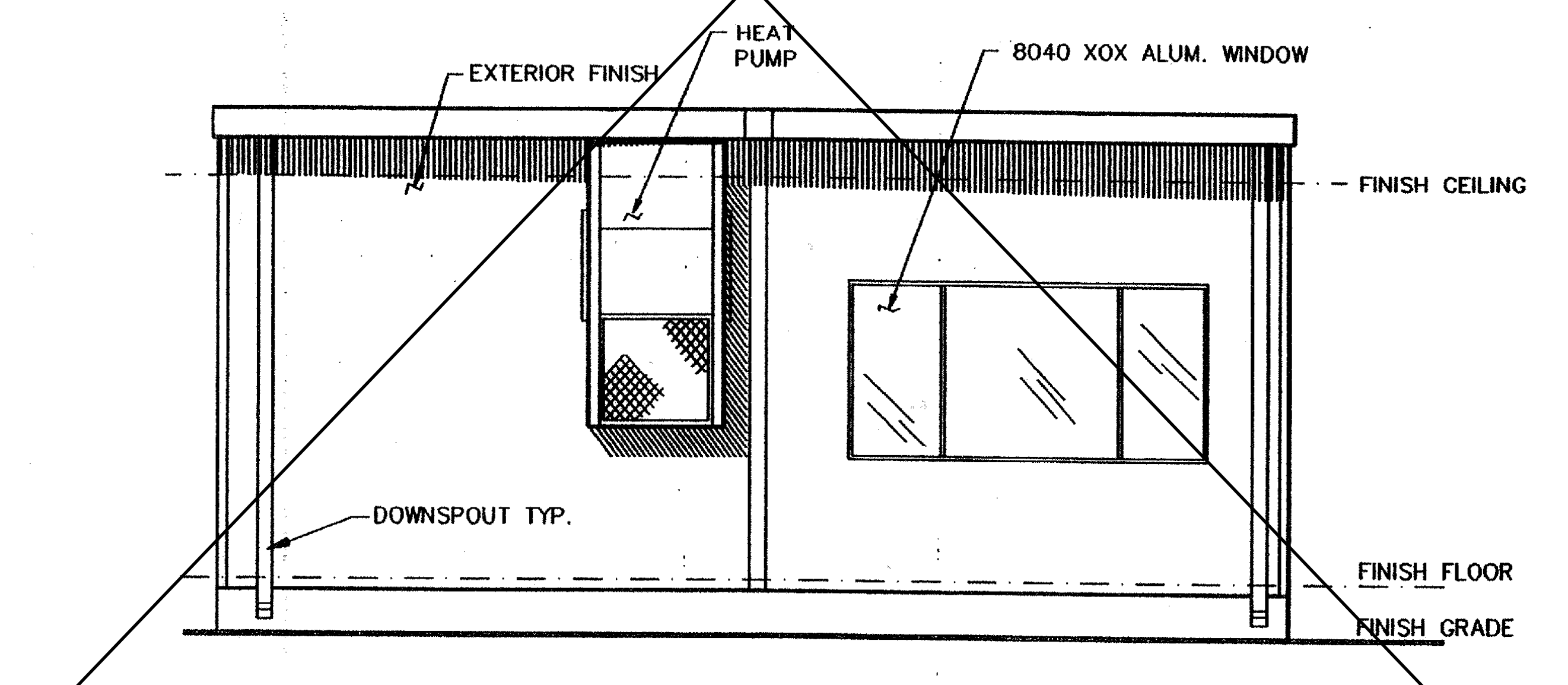
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026



ELEVATION (A)

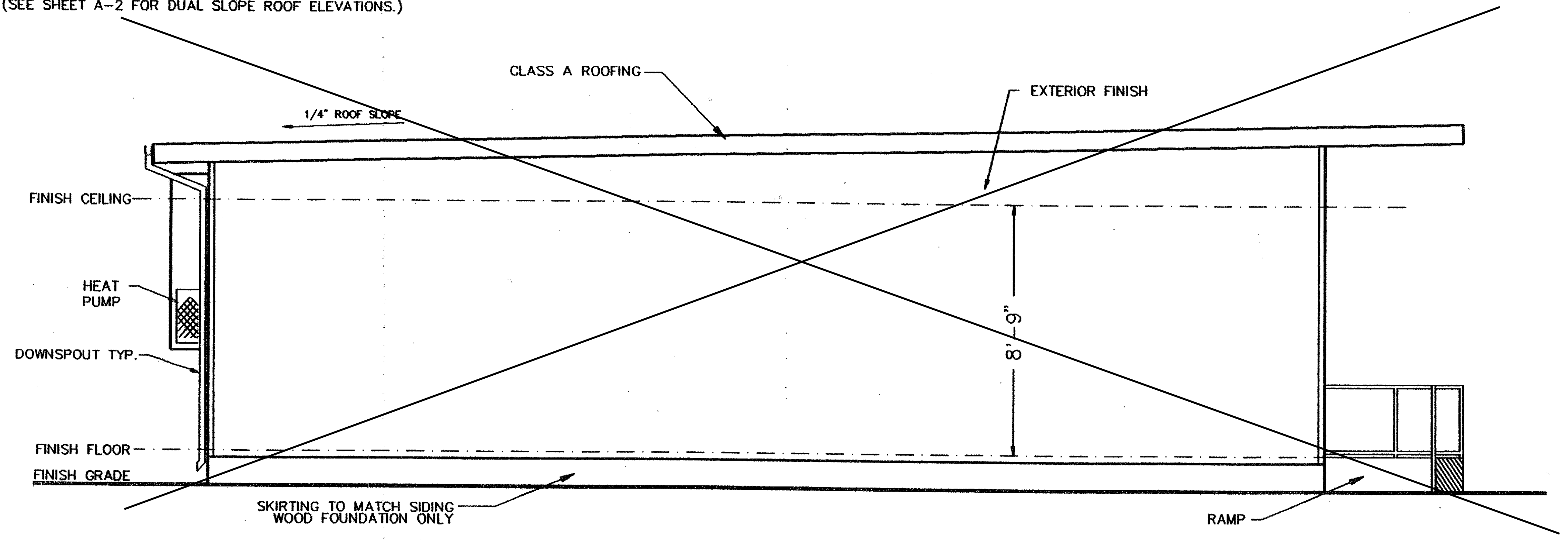
(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)

EXISTING WINDOW TRIM TO BE REMOVED. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS. PER CBC 11B-505.8



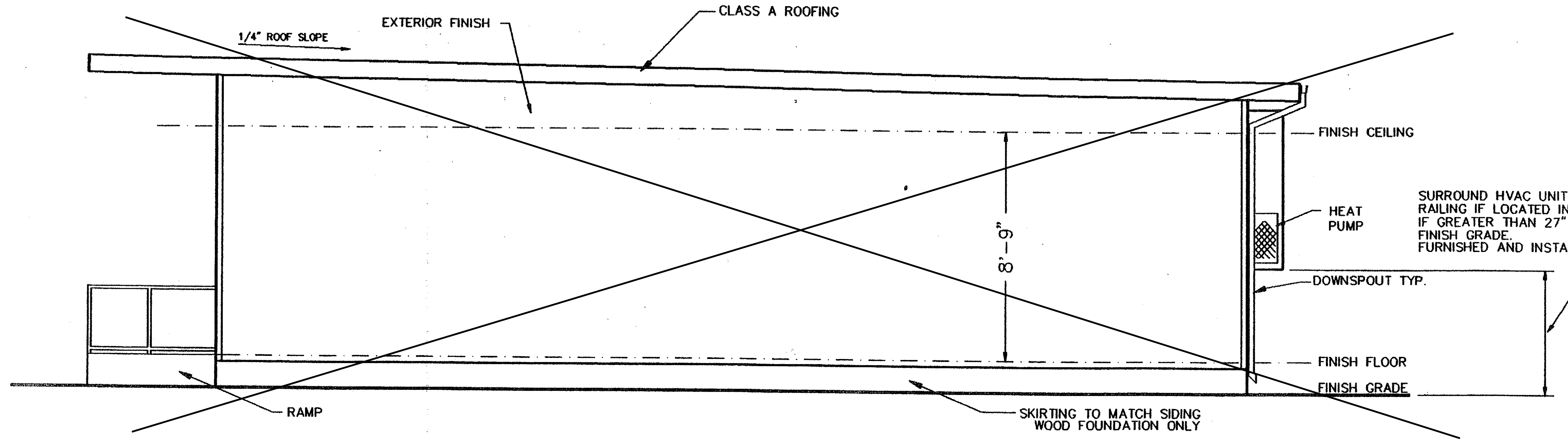
ELEVATION (B)

(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)



ELEVATION (C)

(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)

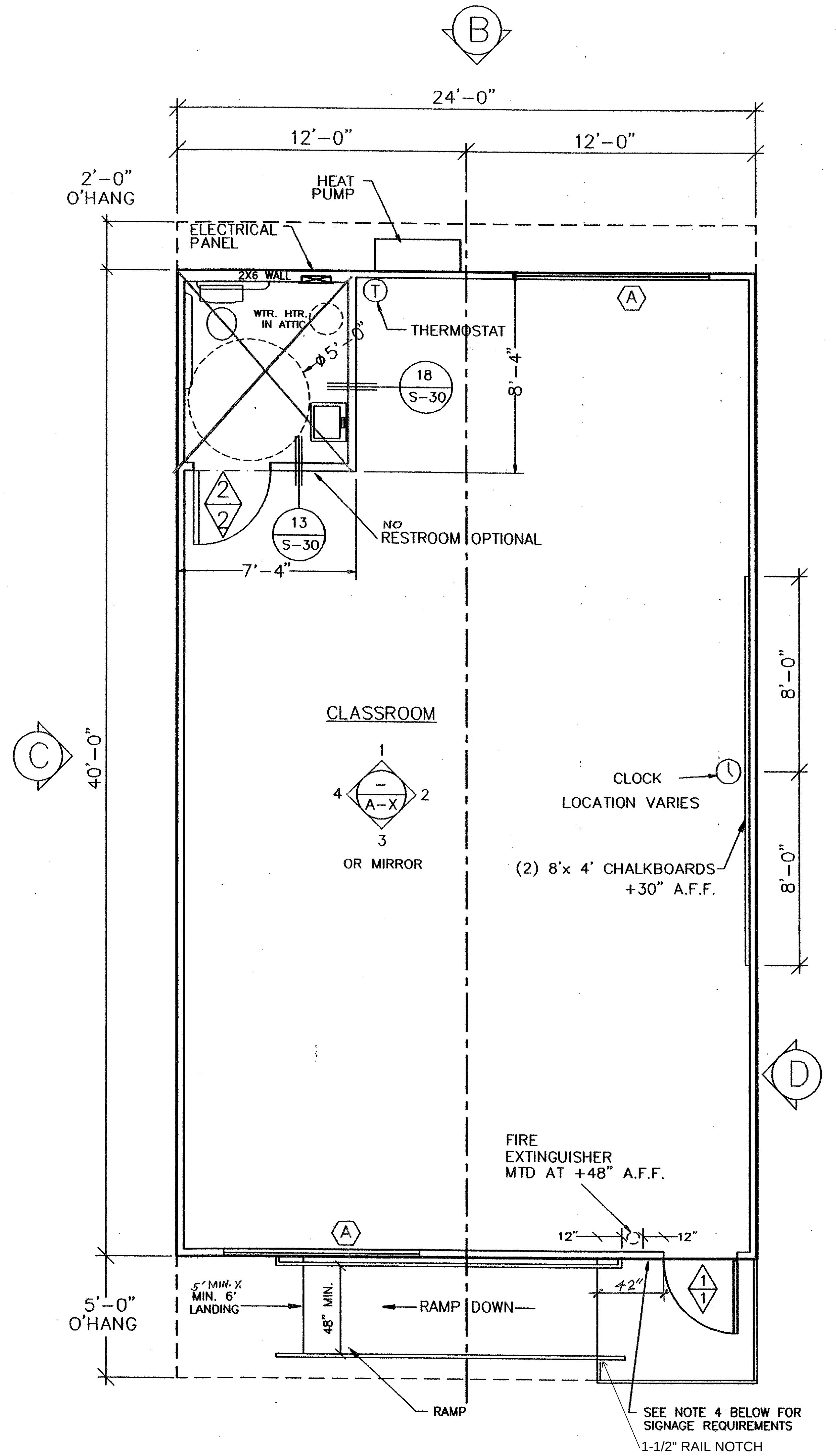


SURROUND HVAC UNIT WITH PROTECTIVE RAILING IF LOCATED IN A PEDESTRIAN WALKWAY IF GREATER THAN 27" HEIGHT FROM FINISH GRADE. FURNISHED AND INSTALLED BY OTHERS ONSITE.

ELEVATION (D)

(SEE SHEET A-2 FOR DUAL SLOPE ROOF ELEVATIONS.)

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
INDICATES HARDWARE TYPE
SEE SHEET G-1

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

PC-362

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

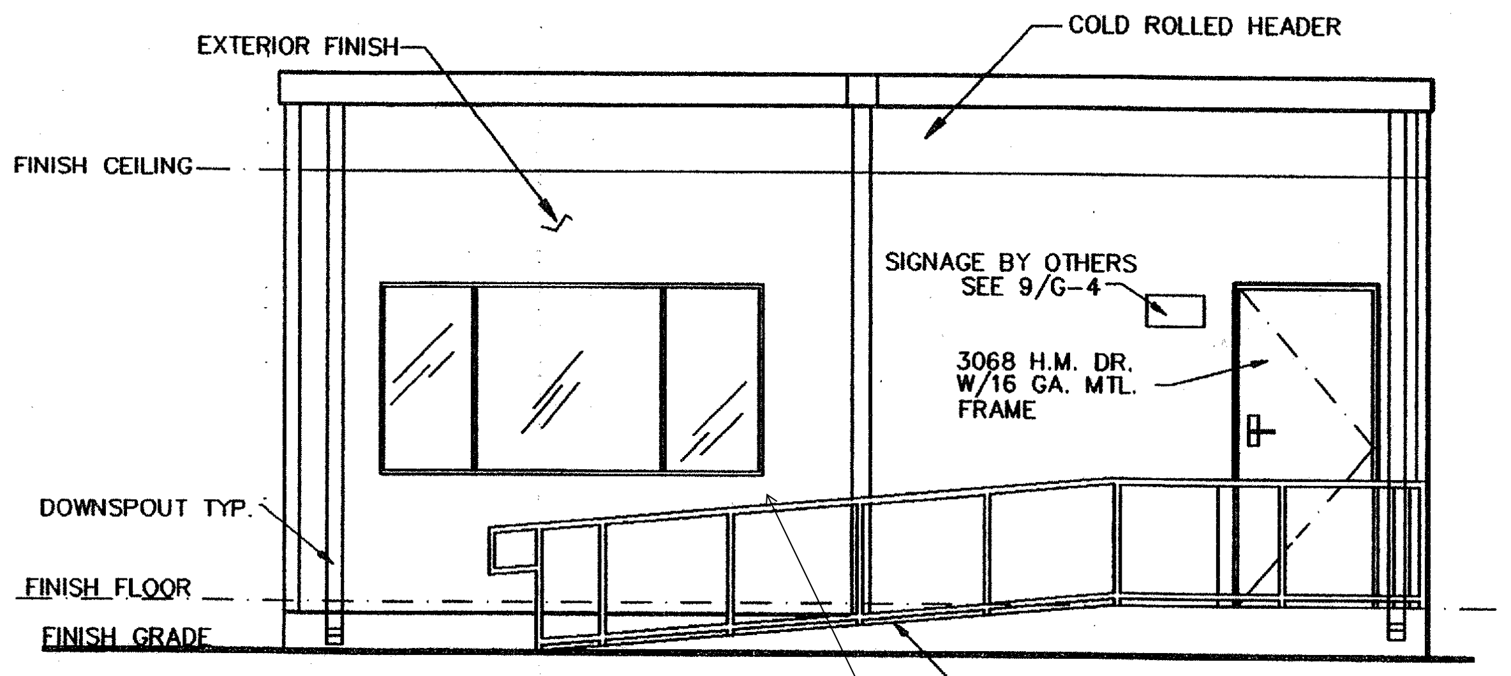
PROJECT
24'X40' MODULAR CLASSROOM BUILDING

TITLE
FLOOR PLAN & EXTERIOR ELEVATIONS

24x40

JOB #
DATE 9-24-97
DRAWN BY R.D.L.
SCALE
APPROVED
REVISIONS

SHEET NO.
35-A-1-24

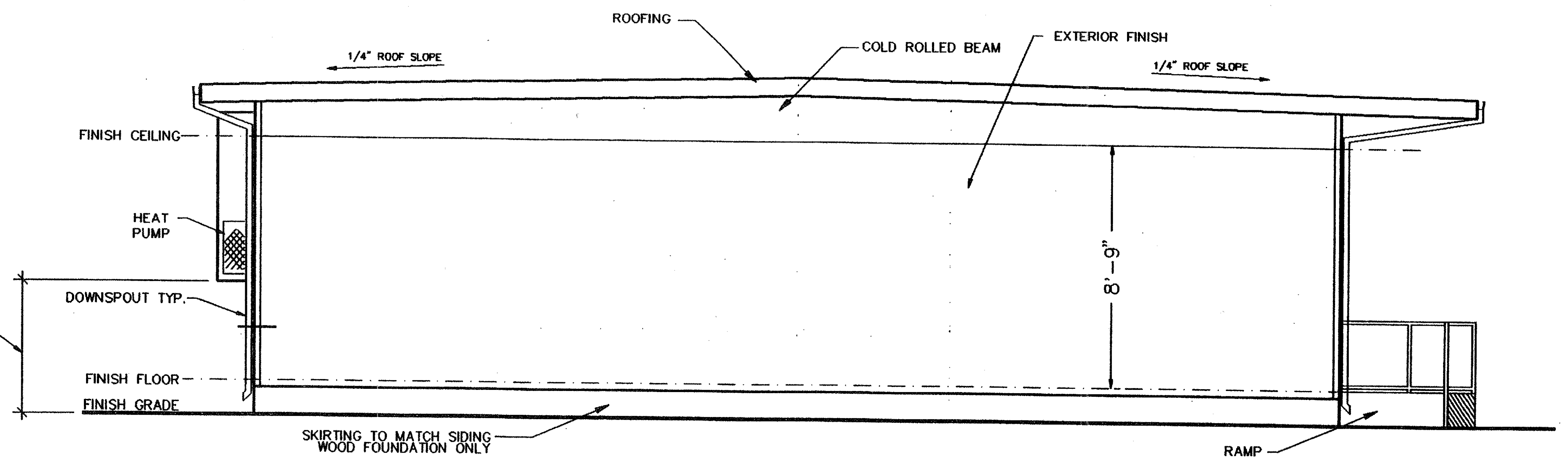


ELEVATION (A)

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

EXISTING WINDOW TRIM TO BE REMOVED. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8

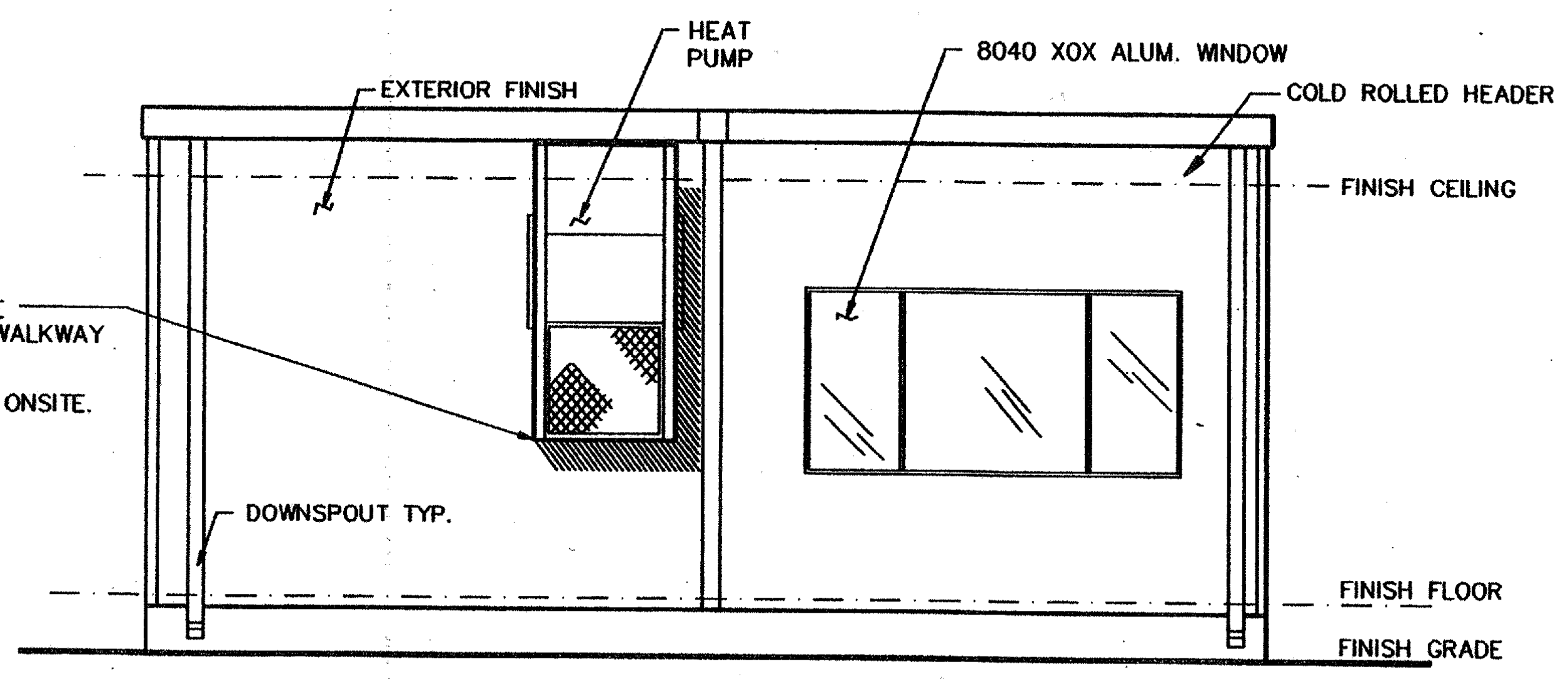
SURROUND HVAC UNIT WITH PROTECTIVE RAILING IF LOCATED IN A PEDESTRIAN WALKWAY IF GREATER THAN 27" HEIGHT FROM FINISH GRADE.
FURNISHED AND INSTALLED BY OTHERS ONSITE.



ELEVATION (C)

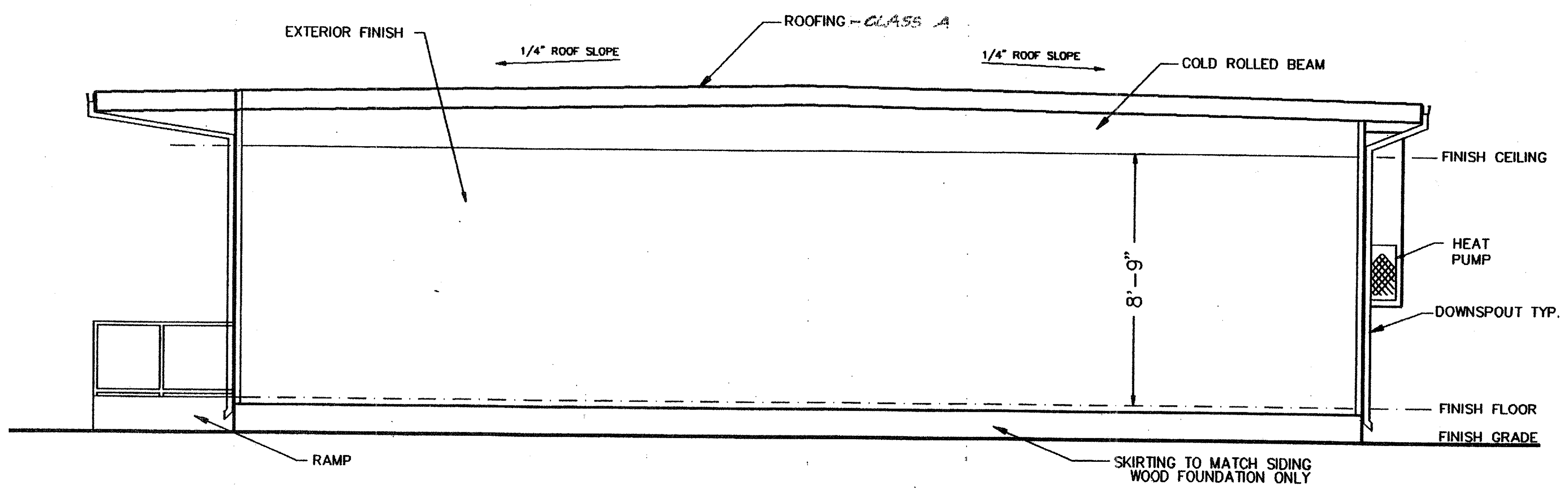
(SEE SHEET A-1 FOR MONO SLOPE ROOF ELEVATIONS.)

SURROUND HVAC UNIT WITH PROTECTIVE RAILING IF LOCATED IN A PEDESTRIAN WALKWAY IF GREATER THAN 27" HEIGHT FROM FINISH GRADE.
FURNISHED AND INSTALLED BY OTHERS ONSITE.



ELEVATION (B)

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



ELEVATION (D)

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

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

PC-362

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

PROJECT
24'X40' MODULAR CLASSROOM BUILDING

TITLE
EXTERIOR ELEVATIONS (DUAL PITCH ROOF)
24x40

JOB #

DATE 9-24-97

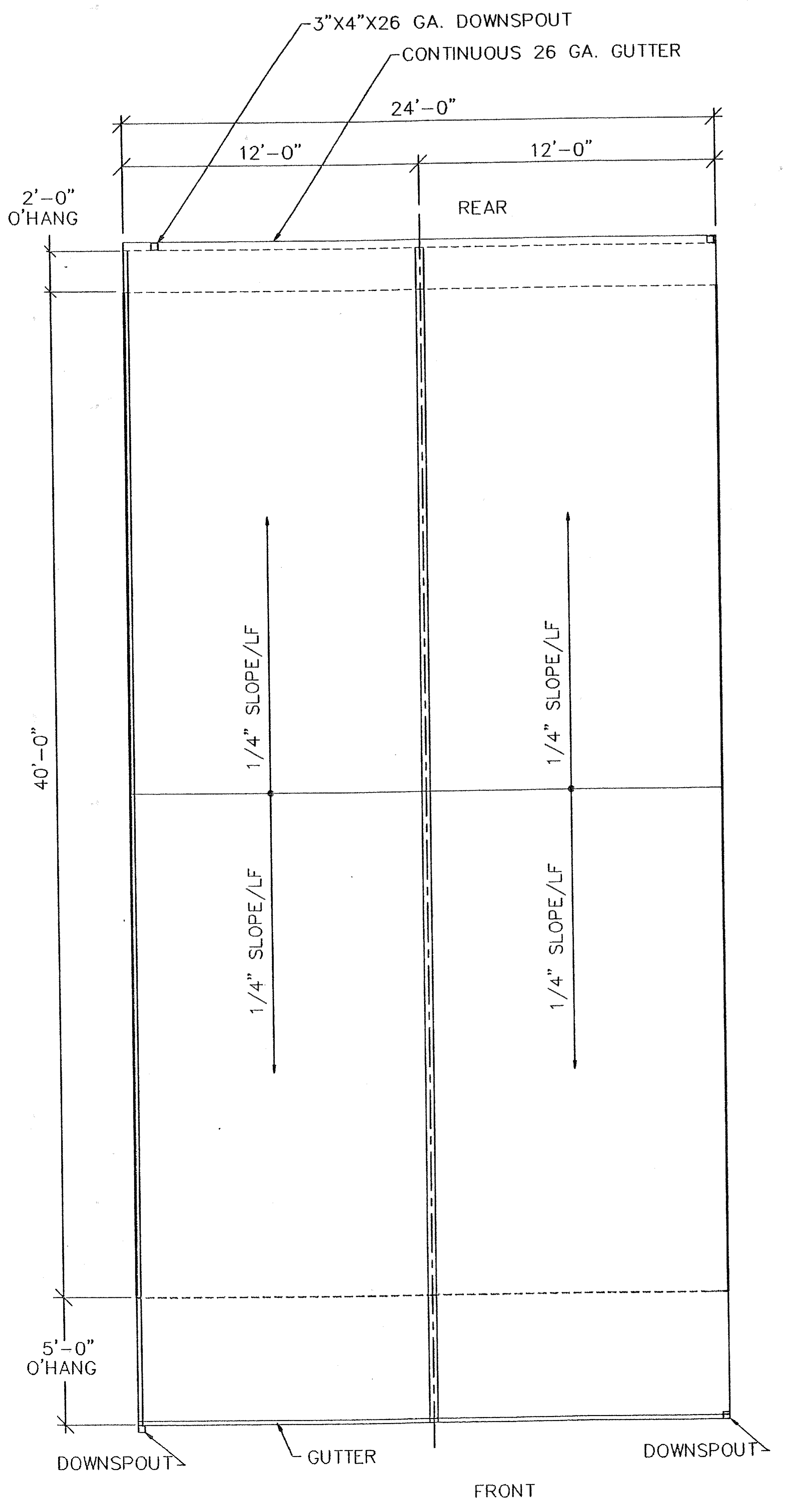
DRAWN BY R.D.L.

SCALE

APPROVED

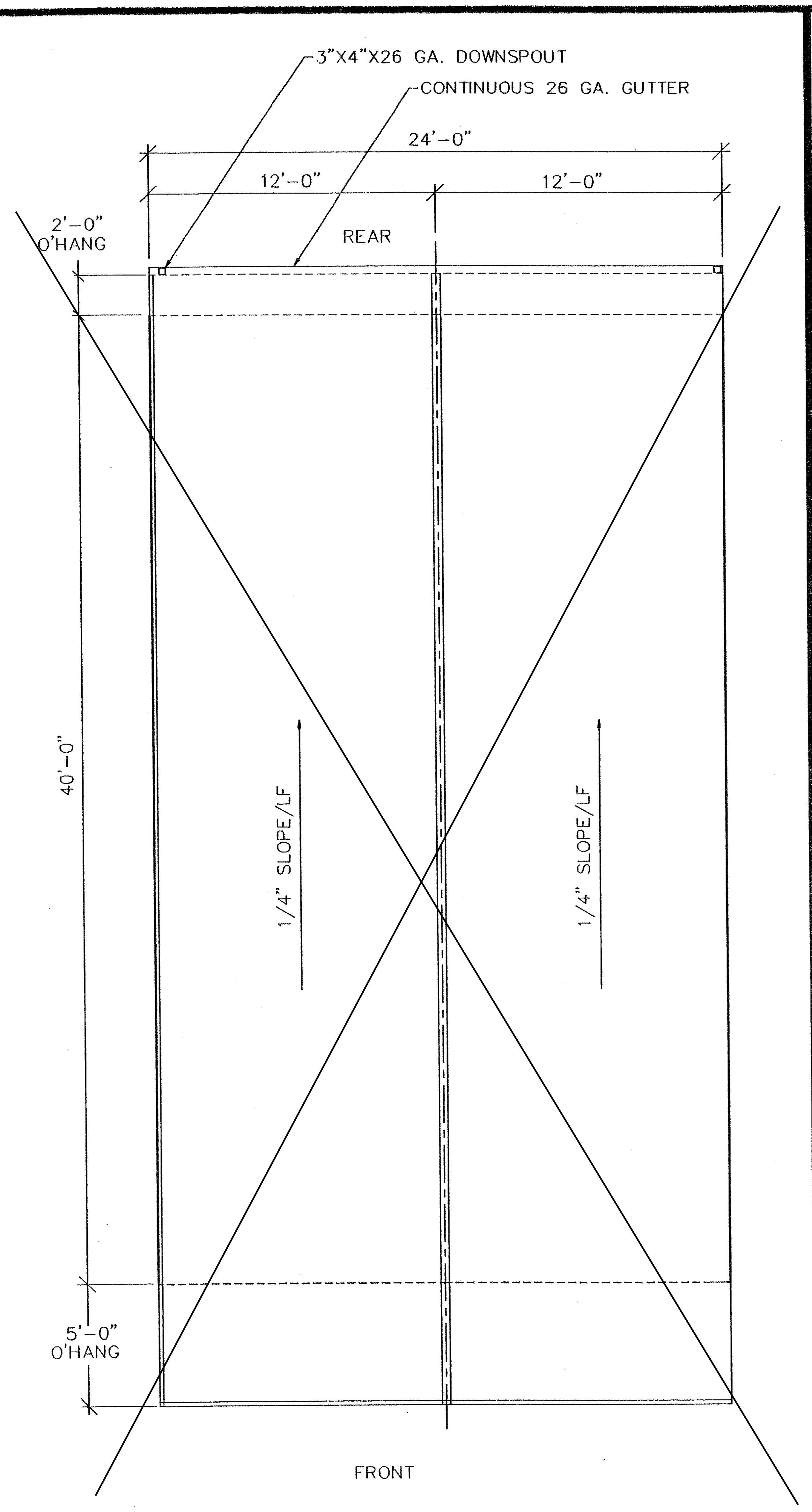
REVISIONS

SHEET NO.
35-A-2-24



DUAL PITCH ROOF PLAN

SEE SHEET G-1 FOR ROOFING MATERIALS



MONO 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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STRUCTURAL ENGINEERS STAMP

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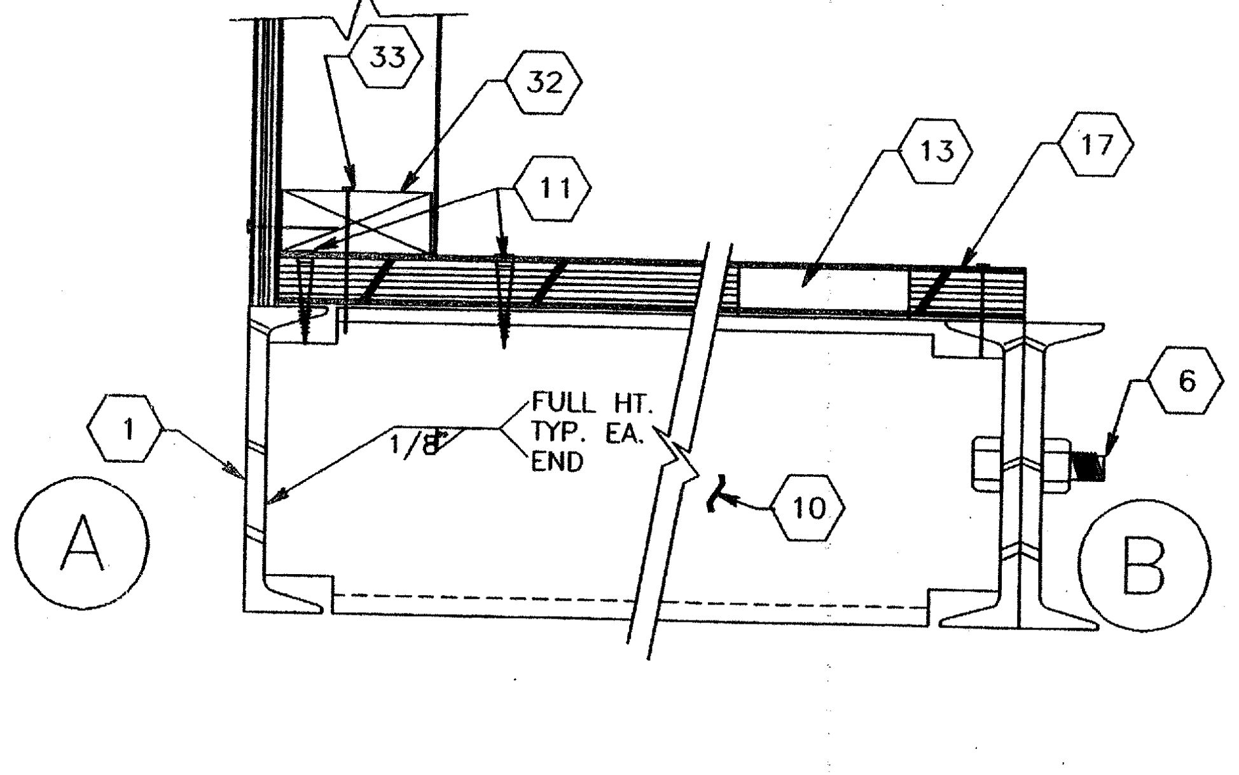
STATE AGENCY APPROVAL

PROJECT
24'X40' MODULAR CLASSROOM BUILDING

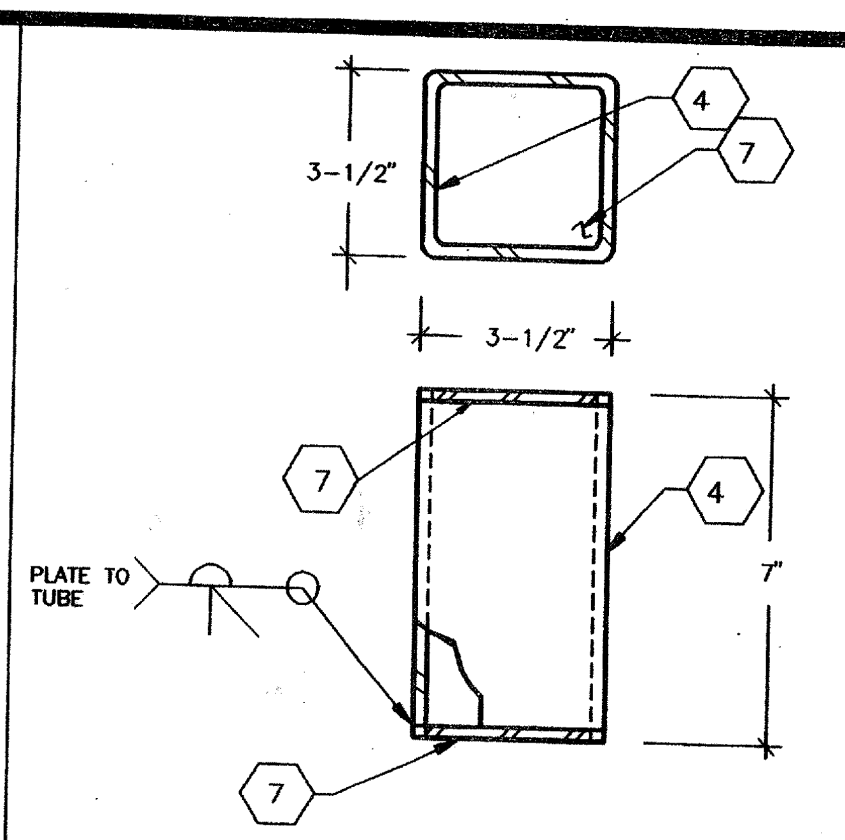
TITLE
ROOF PLANS (MONO AND DUAL PITCH)

JOB #
DATE 6-27-97
DRAWN BY R.D.L.
SCALE
APPROVED
REVISIONS

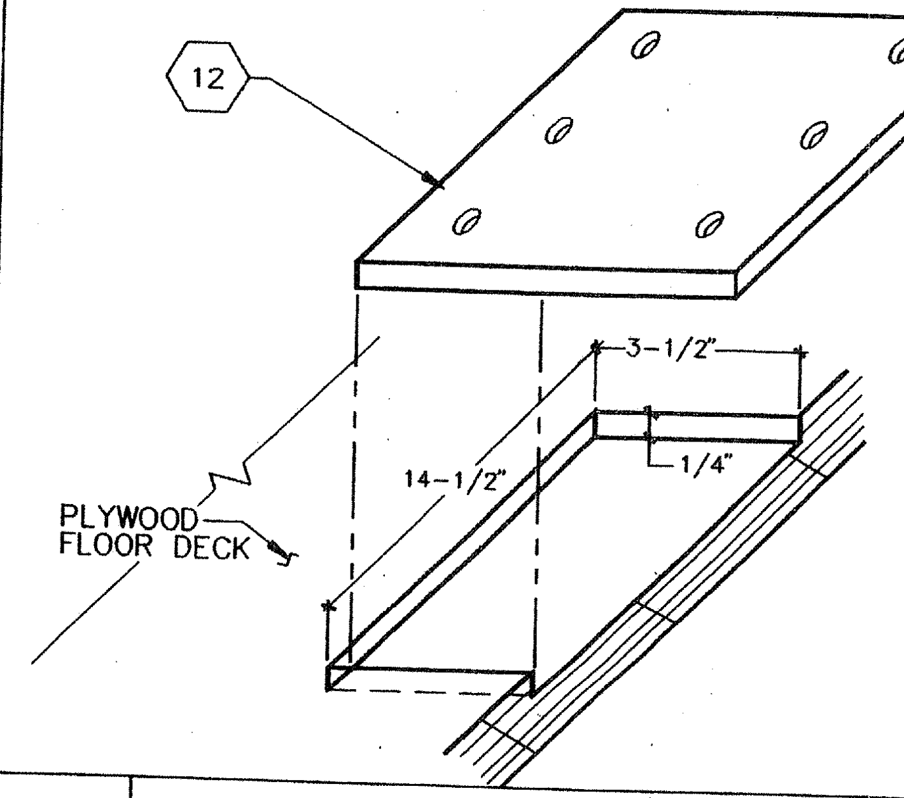
SHEET NO.
35-A-3-24



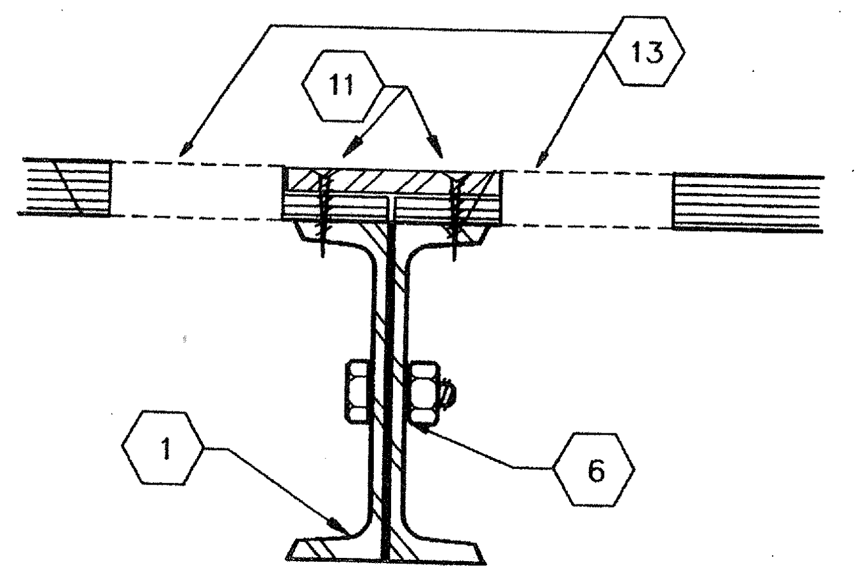
12 PERIMETER FLOOR



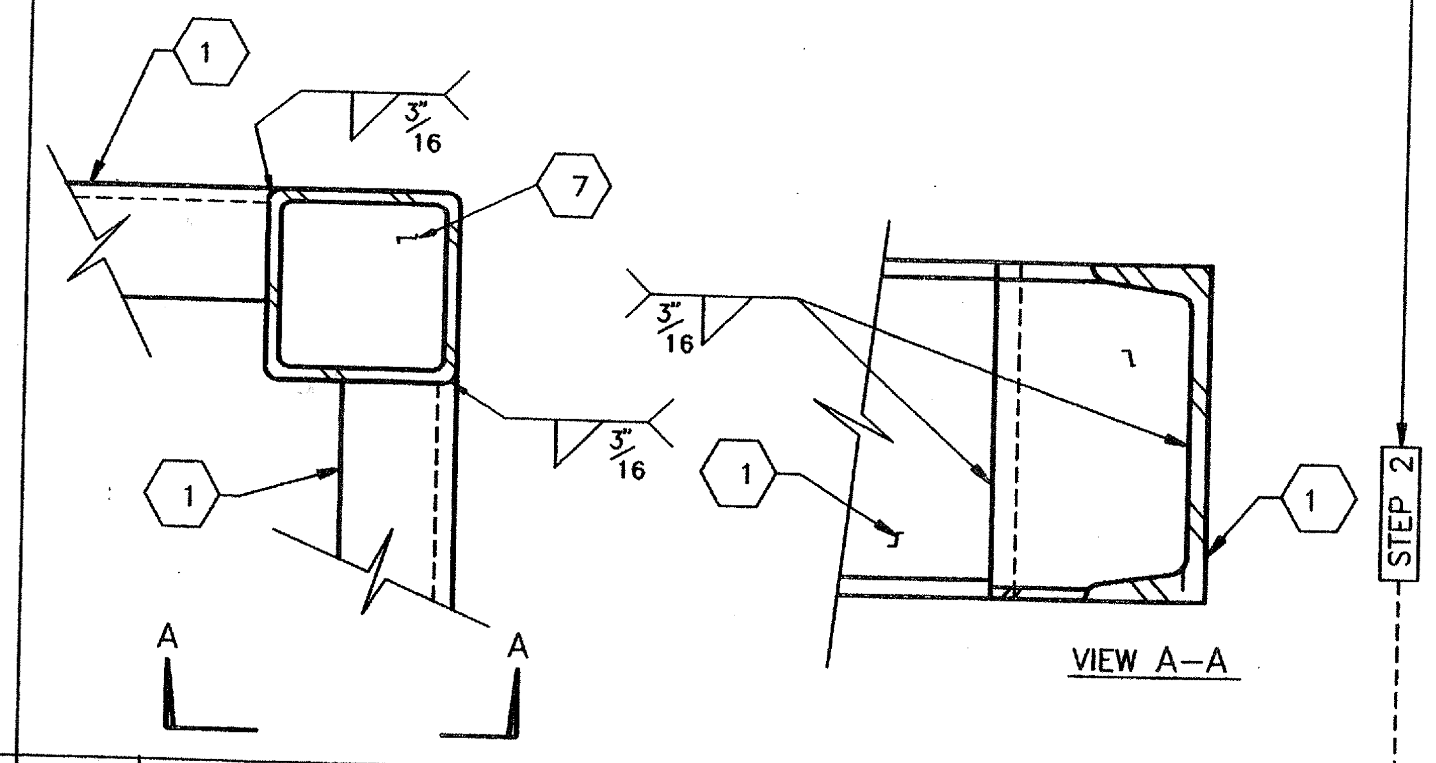
8 TUBE PLATE WELDMENT



5 MOD LINE CONN.PLATE TYPE II *ALT.*

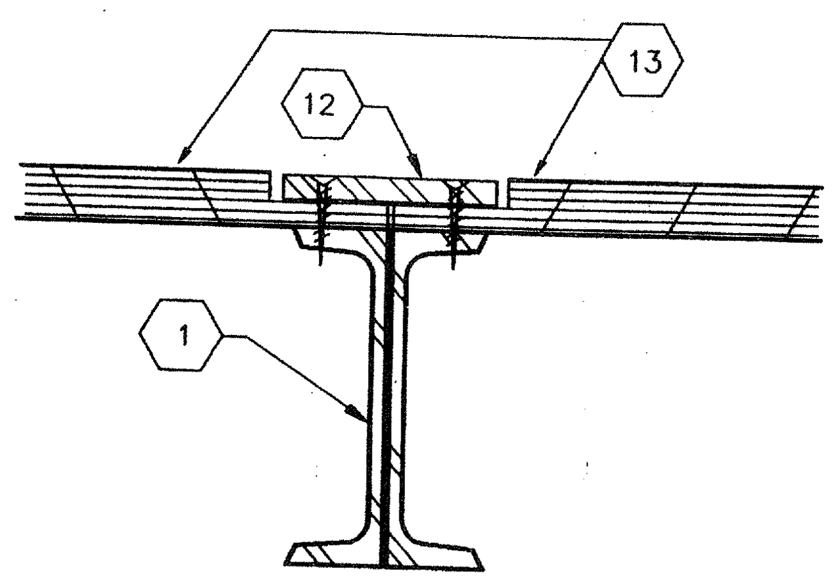


1 MOD CONN. @ FLR. TYPE I *TYP.*

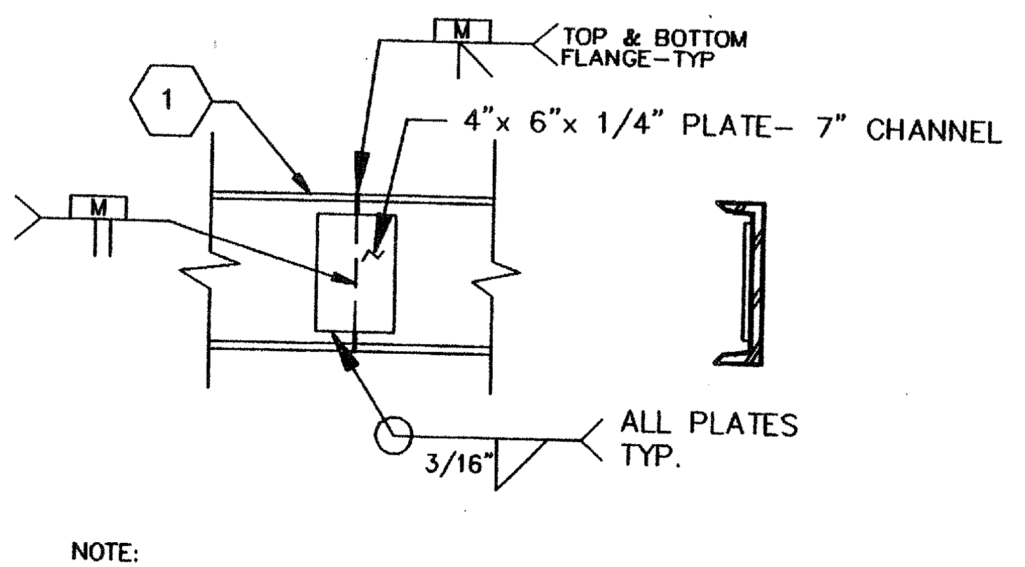


13

9 POCKET TUBE TO FLOOR FRAME

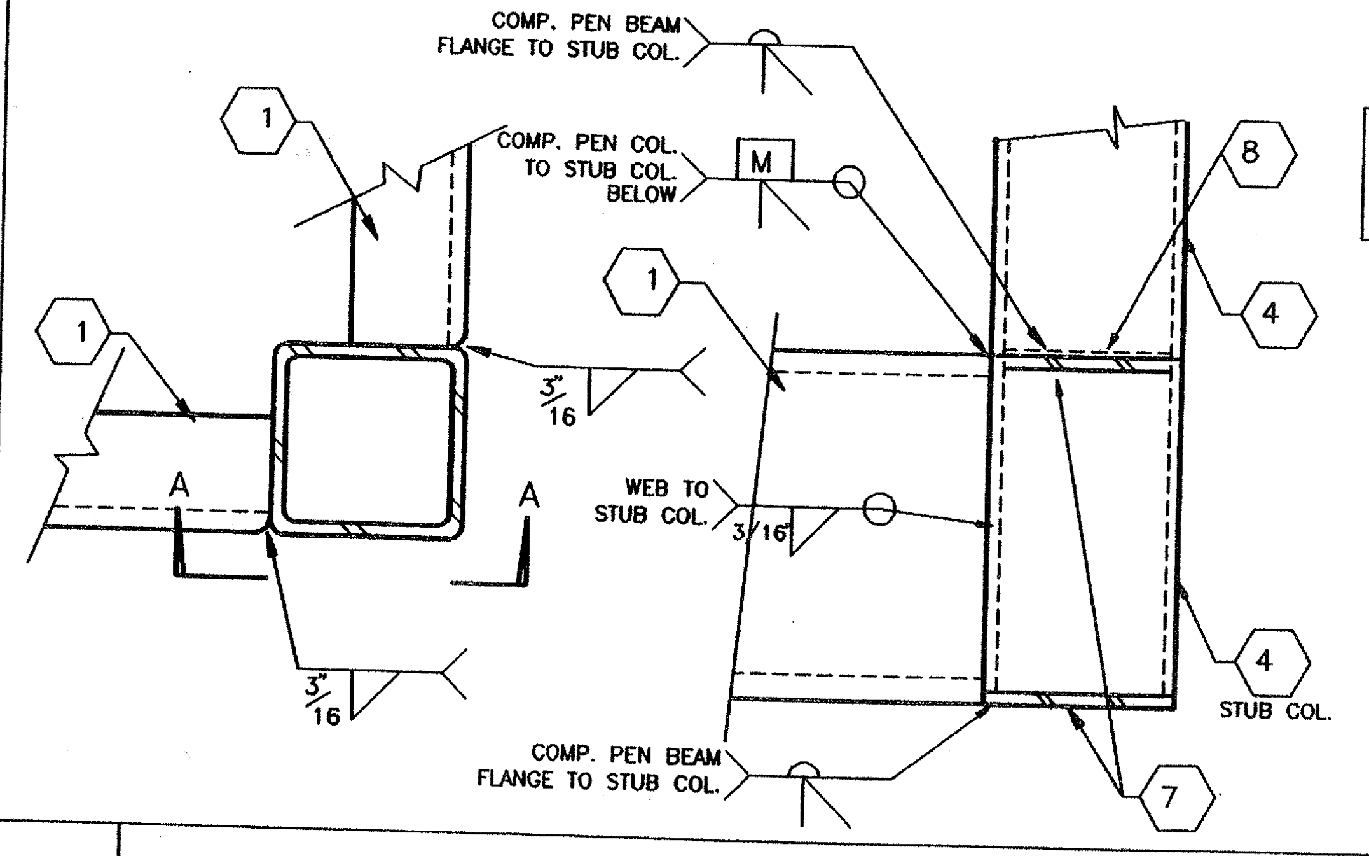


6 MOD CONN. @ FLR. TYPE II *ALT.*



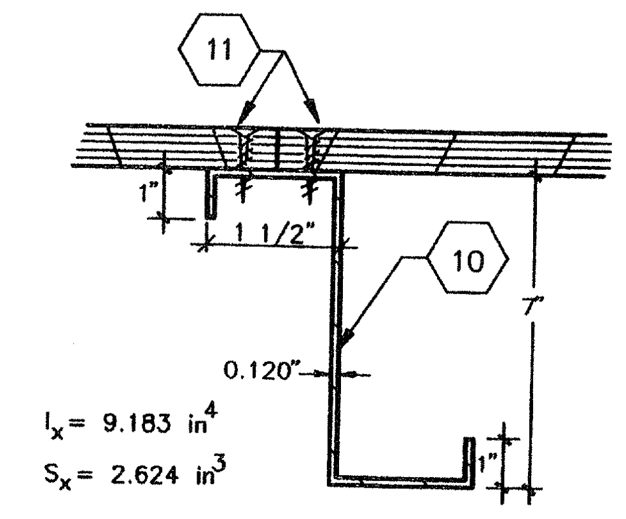
NOTE:
SPLICE MAY OCCUR AT ANY POINT.

2 CHANNEL SPLICE


COMP. PEN BEAM FLANGE TO STUB COL.
1
COMP. PEN COL. TO STUB COL. BELOW
M
8
1
4
1
3/16
A
A
WEB TO STUB COL.
3/16
3/16
4
STUB COL.
COMP. PEN BEAM FLANGE TO STUB COL.
7

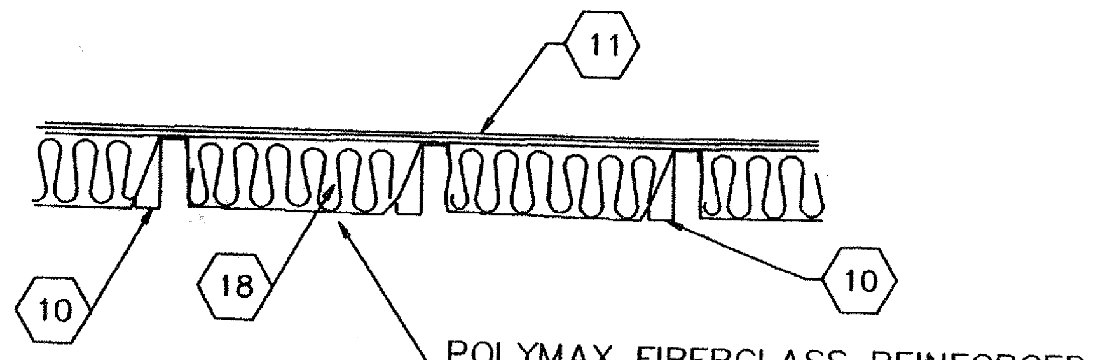
10 COLUMN CONN. @ FLOOR

7



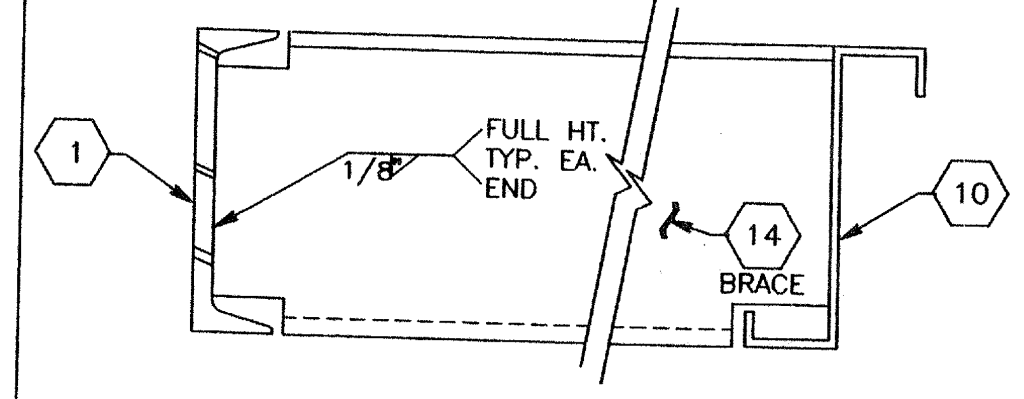
FLOOR JOIST

3 TYPICAL JOISTS



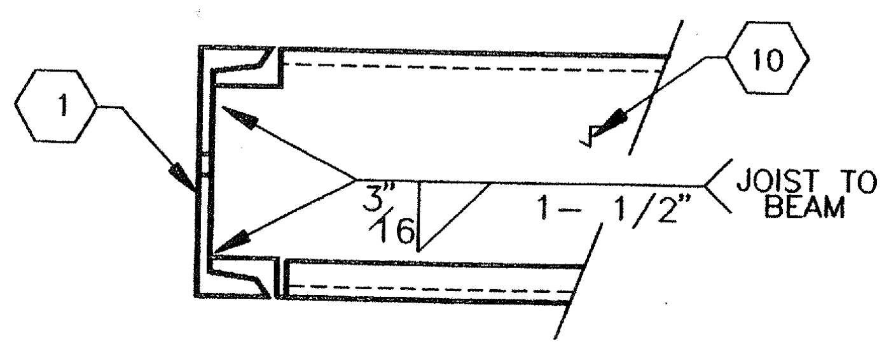
POLYMAX FIBERGLASS REINFORCED BUILDING PAPER, *OR EQL.*

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 X 2-1/2" 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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PHONE: (909) 788-3035 FAX: (909) 788-1523

PC-362

STRUCTURAL ENGINEERS STAMP

2000

STATE AGENCY APPROVAL

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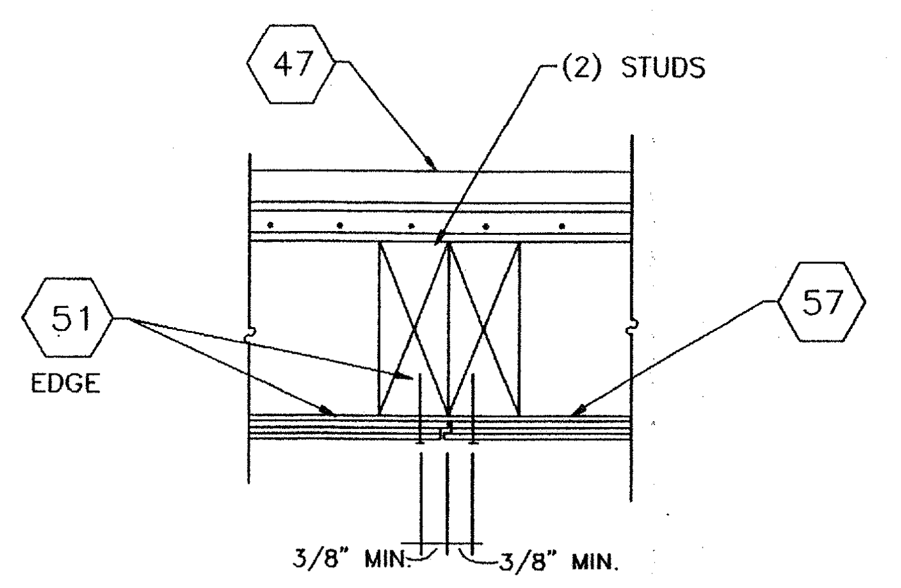
STATE AGENCY APPROVAL

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

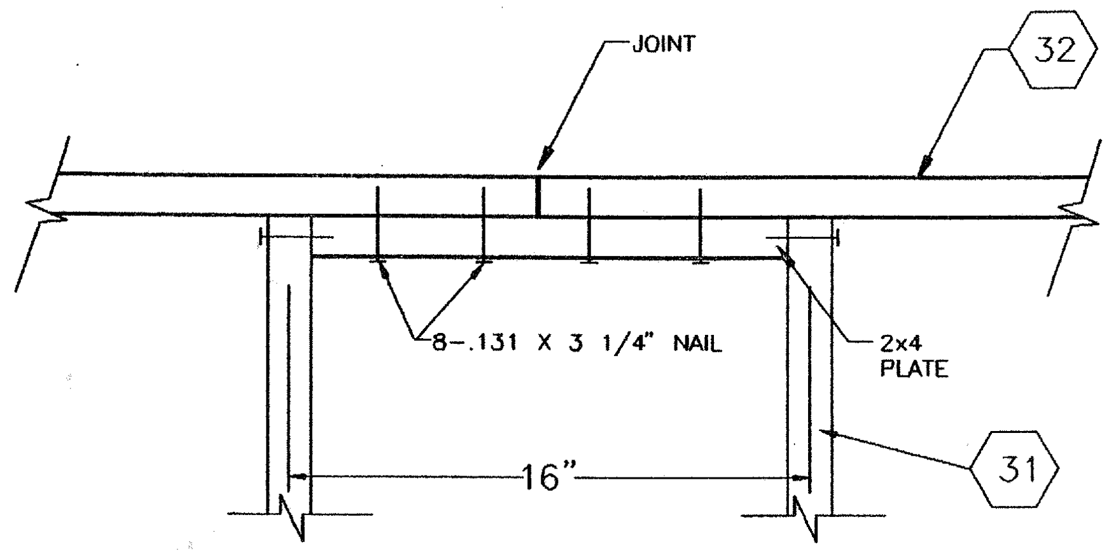
TITLE
FLOOR CONSTRUCTION DETAILS

JOB #
DATE 9-24-97
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

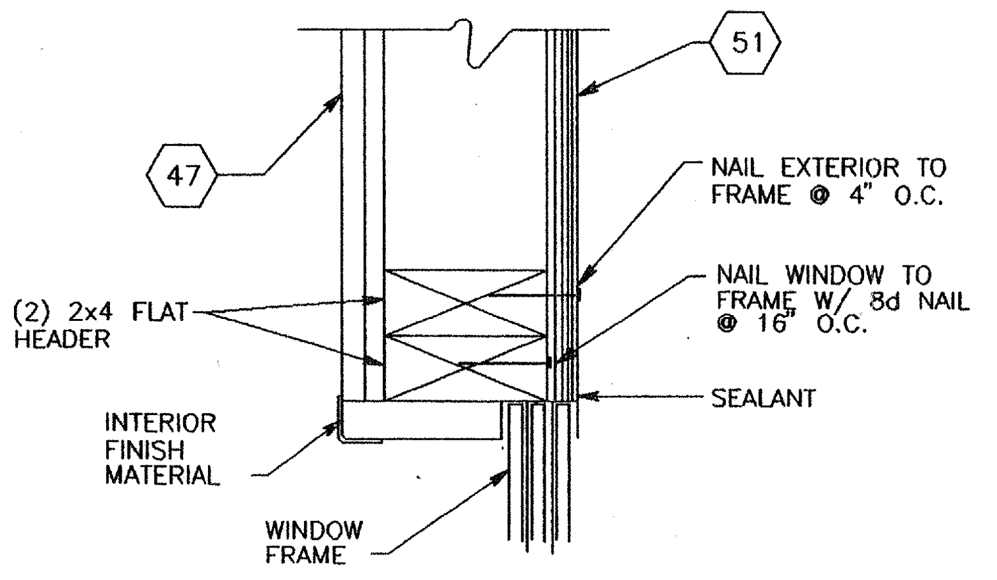
SHEET NO.
35-S-11



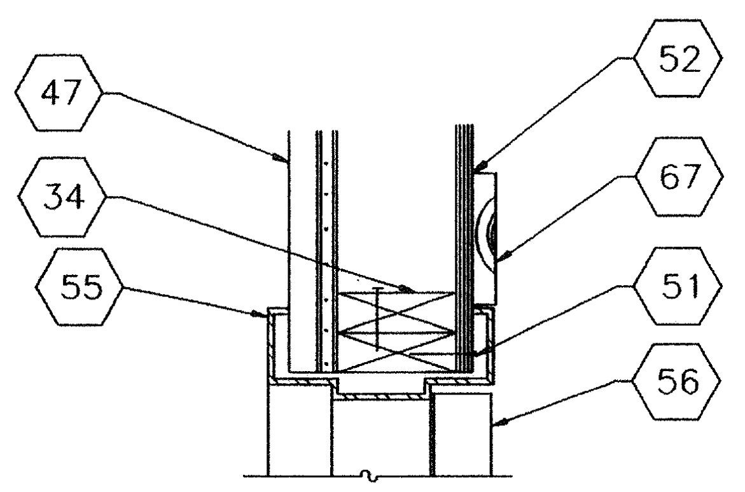
16 PANEL JOINT



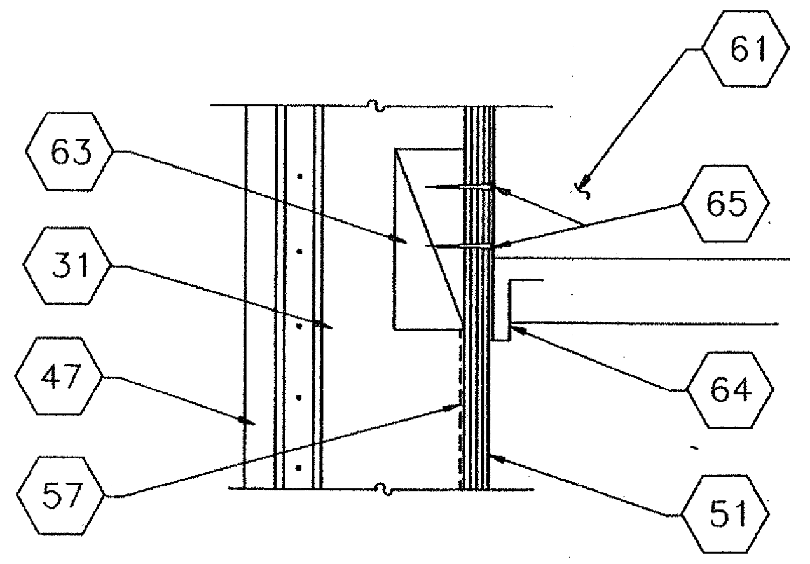
11 TOP PLATE SPLICE


51
47
NAIL EXTERIOR TO FRAME @ 4" O.C.
NAIL WINDOW TO FRAME W/ 8d NAIL @ 16" O.C.
(2) 2x4 FLAT HEADER
SEALANT
INTERIOR FINISH MATERIAL
WINDOW FRAME

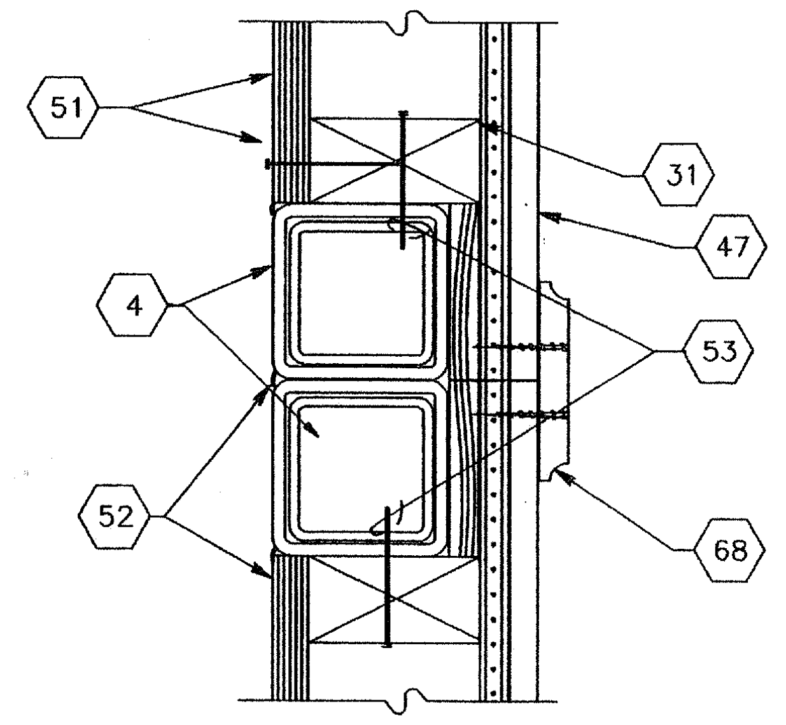
6 WINDOW HEADER



1 DOOR HEAD

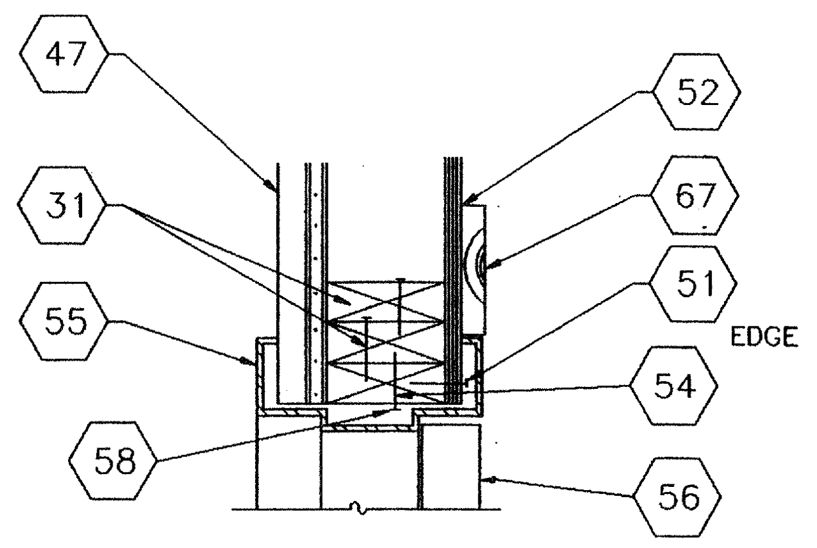


17 A/C BOTTOM BRACKET

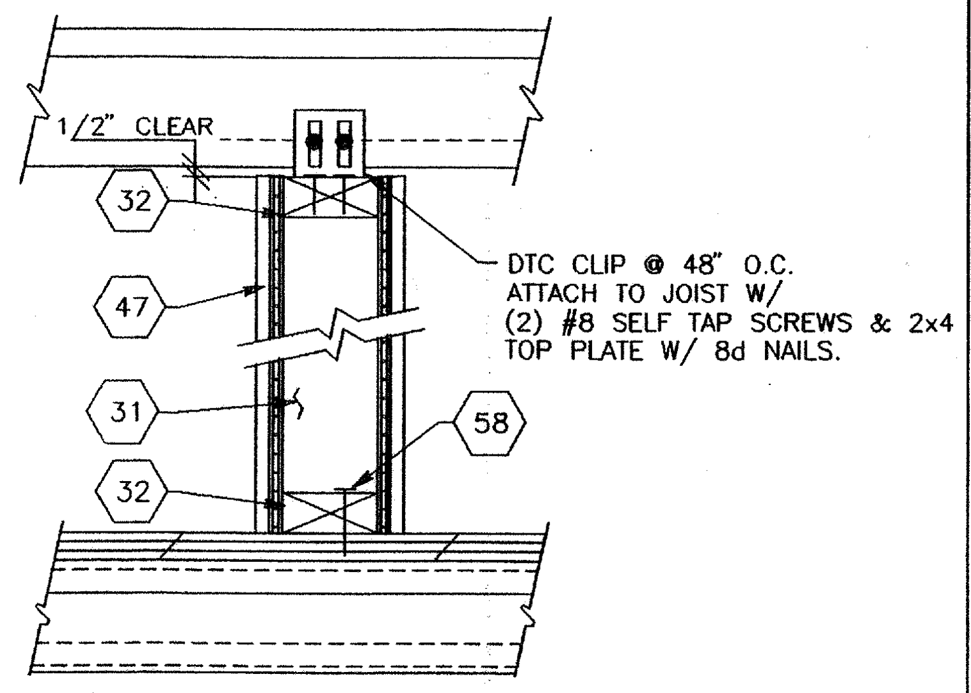


12 COLUMN AT MODULE LINE

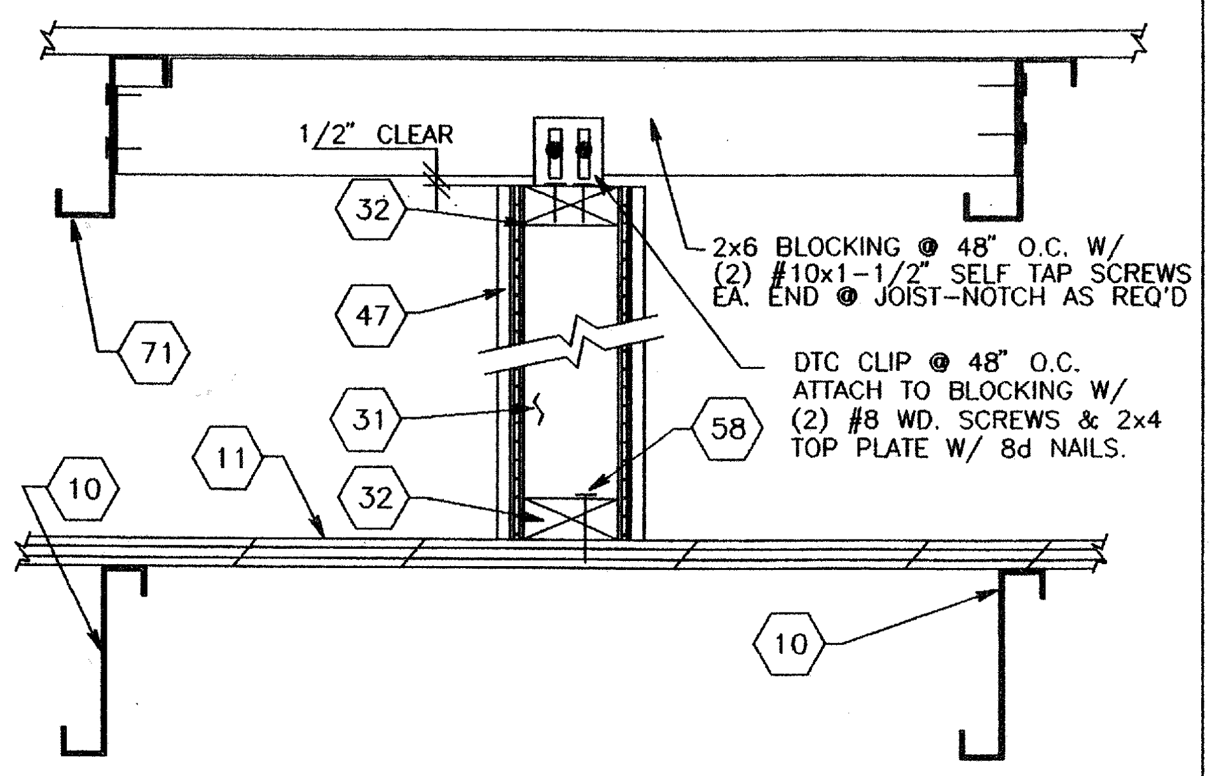
7



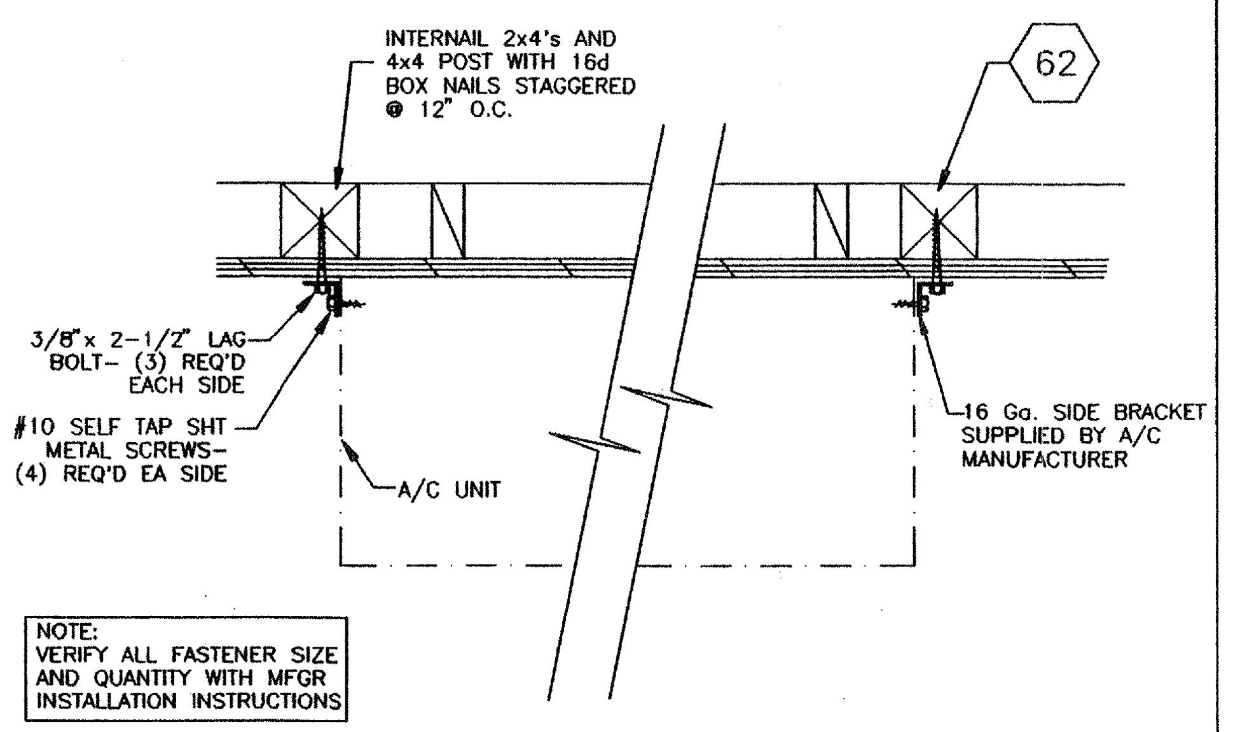
2 DOOR JAMB


1/2" CLEAR
32
47
31
32
58
DTC CLIP @ 48" O.C. ATTACH TO JOIST W/ (2) #8 SELF TAP SCREWS & 2x4 TOP PLATE W/ 8d NAILS.

18 INTERIOR WALL ATTACHMENT

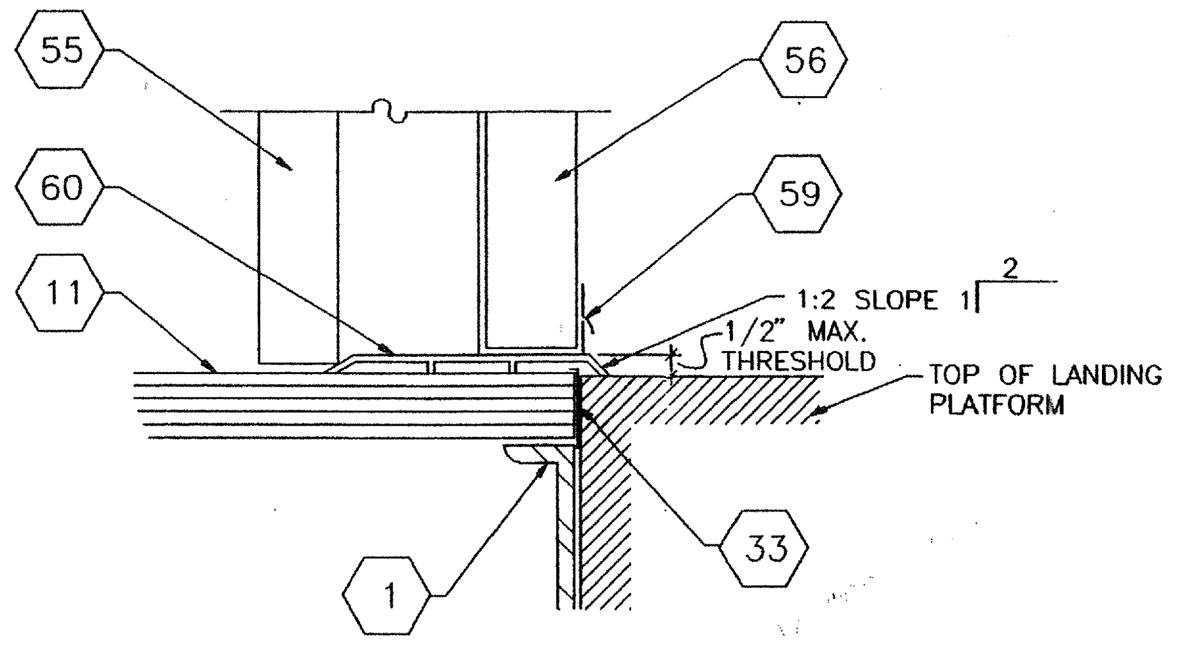

1/2" CLEAR
32
47
71
31
58
11
10
32
10
2x6 BLOCKING @ 48" O.C. W/ (2) #10x1-1/2" SELF TAP SCREWS EA. END @ JOIST-NOTCH AS REQ'D
DTC CLIP @ 48" O.C. ATTACH TO BLOCKING W/ (2) #8 WD. SCREWS & 2x4 TOP PLATE W/ 8d NAILS.

13 INTERIOR WALL ATTACHMENT

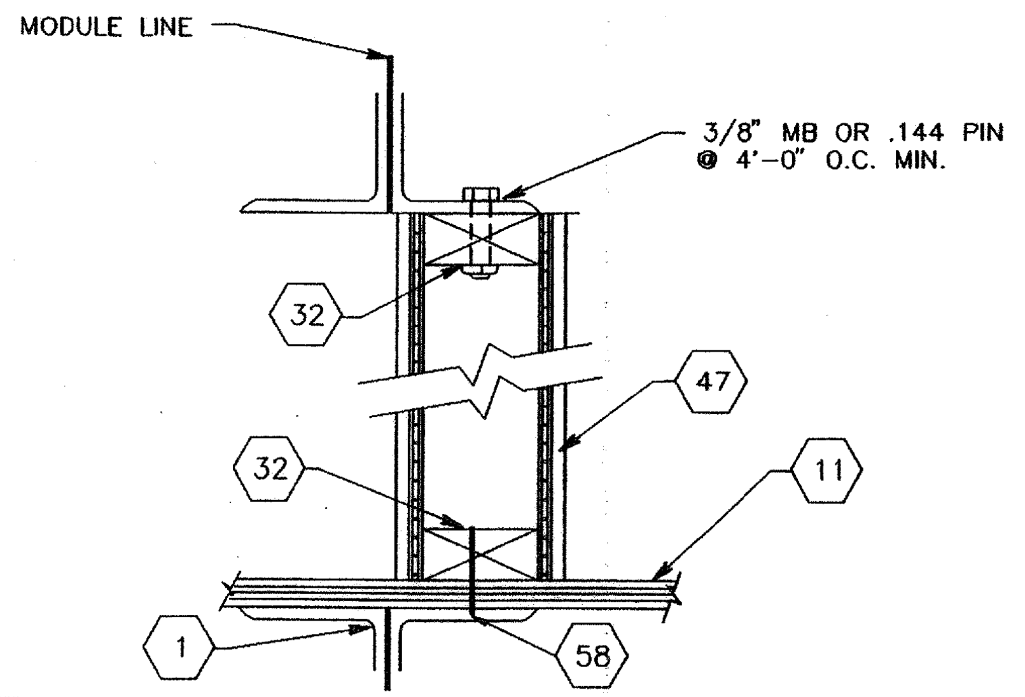

INTERNAIL 2x4's AND 4x4 POST WITH 16d BOX NAILS STAGGERED @ 12" O.C.
62
3/8"x 2-1/2" LAG BOLT- (3) REQ'D EACH SIDE
#10 SELF TAP SHT METAL SCREWS- (4) REQ'D EA SIDE
A/C UNIT
16 Ga. SIDE BRACKET SUPPLIED BY A/C MANUFACTURER

NOTE:
VERIFY ALL FASTENER SIZE AND QUANTITY WITH MFGR INSTALLATION INSTRUCTIONS

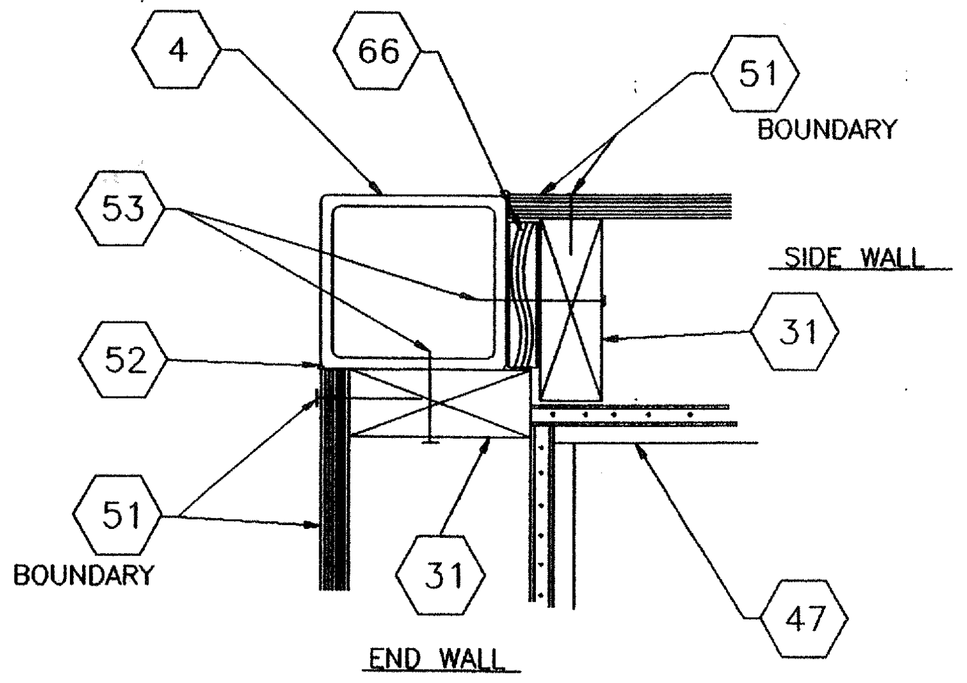
8 A/C SIDE BRACKETS



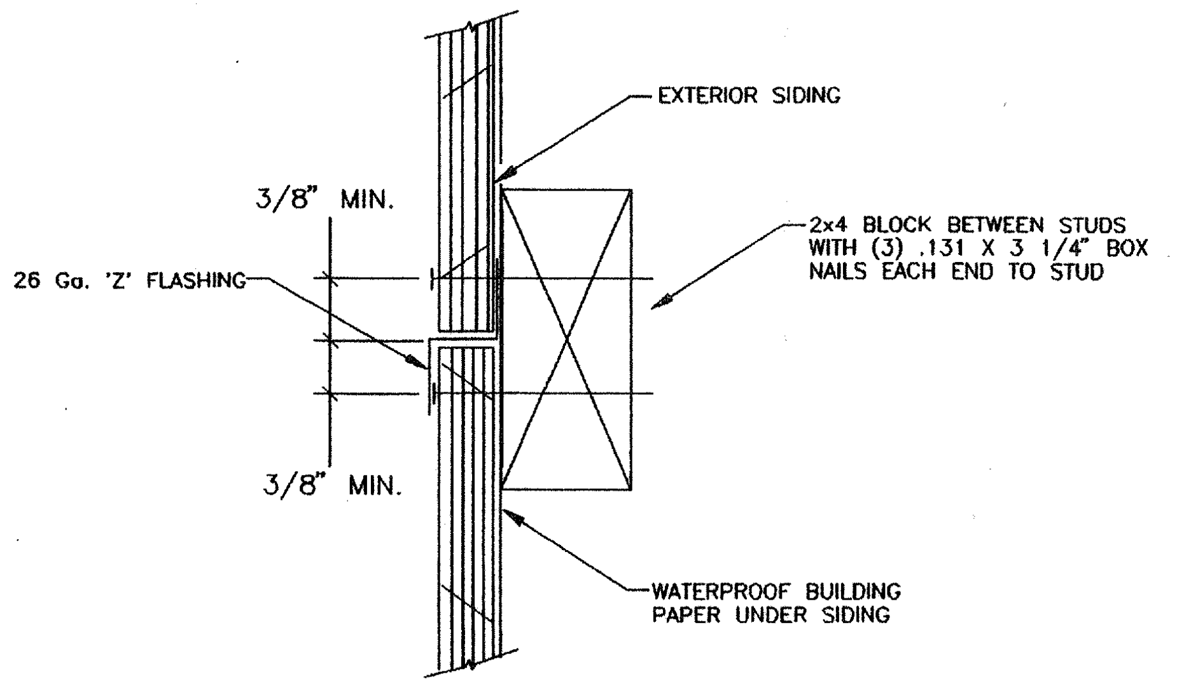
3 THRESHOLD



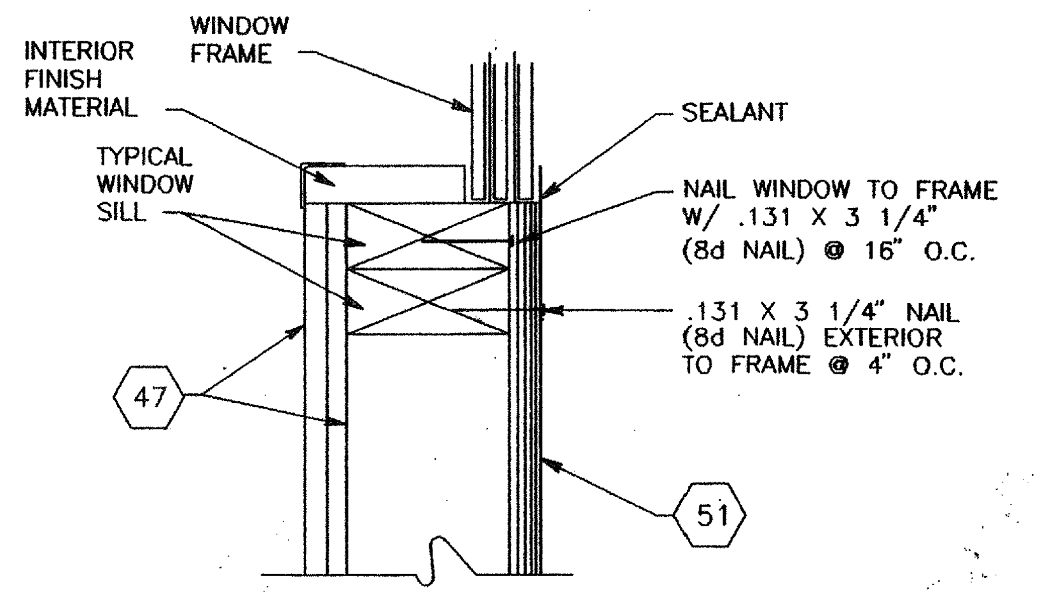
19 INT. WALL ATTACH @ MOD LINE



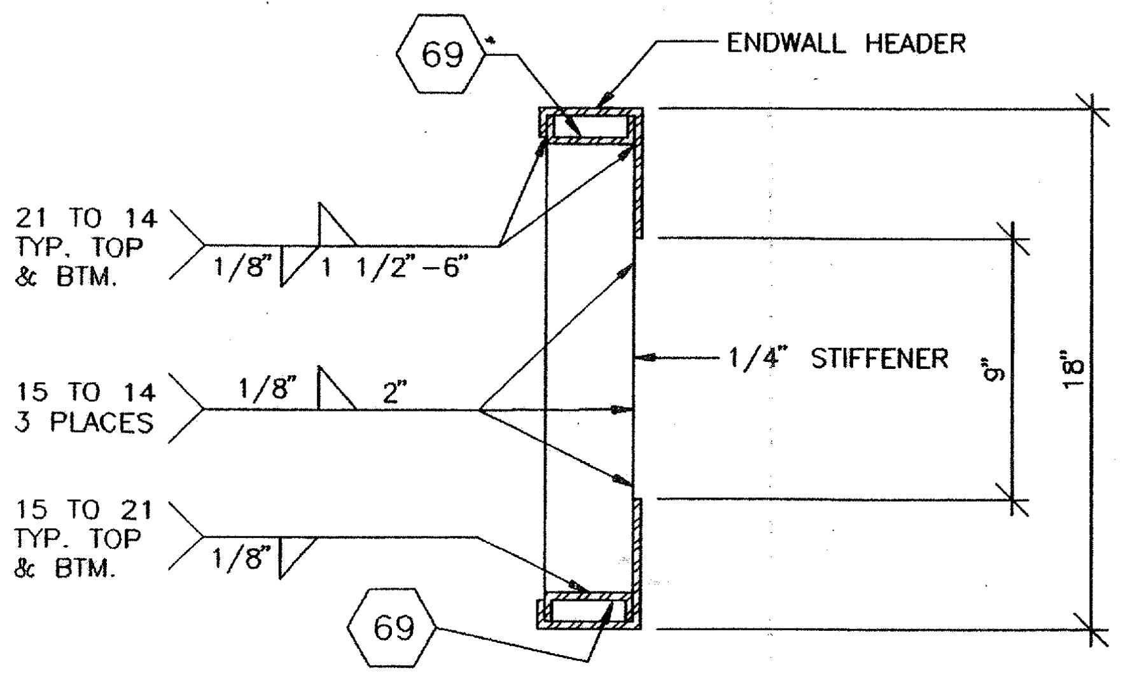
14 COLUMN AT CORNER


EXTERIOR SIDING
3/8" MIN.
2x4 BLOCK BETWEEN STUDS WITH (3) .131 X 3 1/4" BOX NAILS EACH END TO STUD
26 Ga. 'Z' FLASHING
3/8" MIN.
WATERPROOF BUILDING PAPER UNDER SIDING

9 PANEL SPLICE

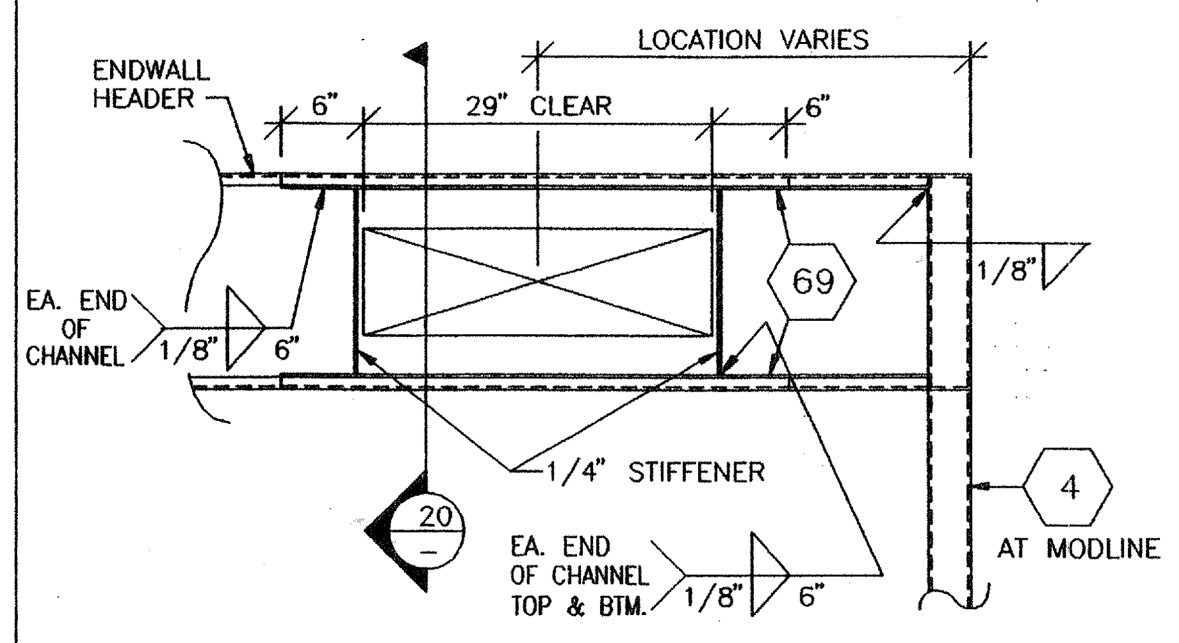

WINDOW FRAME
INTERIOR FINISH MATERIAL
SEALANT
TYPICAL WINDOW SILL
NAIL WINDOW TO FRAME W/ .131 X 3 1/4" (8d NAIL) @ 16" O.C.
.131 X 3 1/4" NAIL (8d NAIL) EXTERIOR TO FRAME @ 4" O.C.
47
51

4 WINDOW SILL

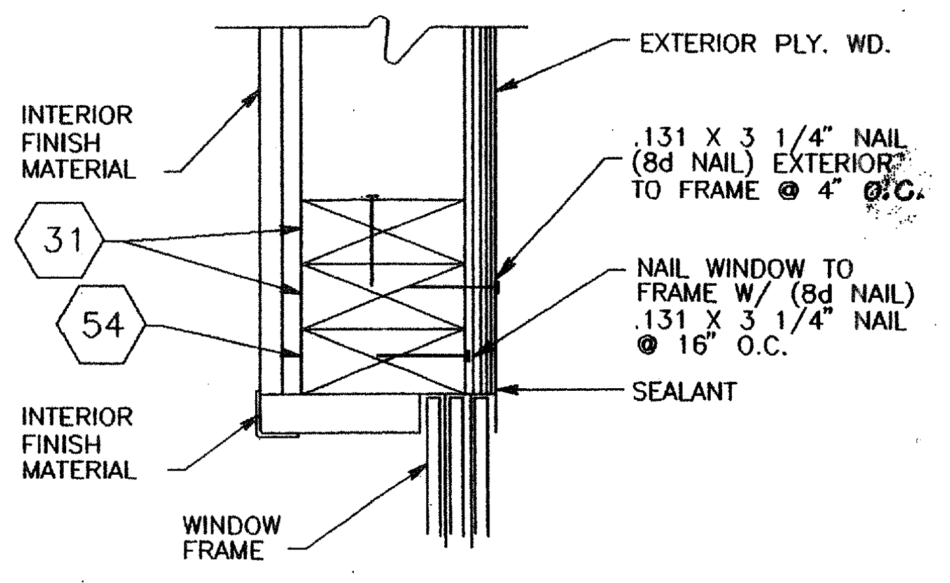


20 A/C OPENING IN HEADER

15



10 A/C OPENING IN HEADER


EXTERIOR PLY. WD.
INTERIOR FINISH MATERIAL
.131 X 3 1/4" NAIL (8d NAIL) EXTERIOR TO FRAME @ 4" O.C.
31
54
NAIL WINDOW TO FRAME W/ (8d NAIL) .131 X 3 1/4" NAIL @ 16" O.C.
SEALANT
INTERIOR FINISH MATERIAL
WINDOW FRAME

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
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. #2 POST (OR BETTER)
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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DATE: 09/17/2026

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

PC-362

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

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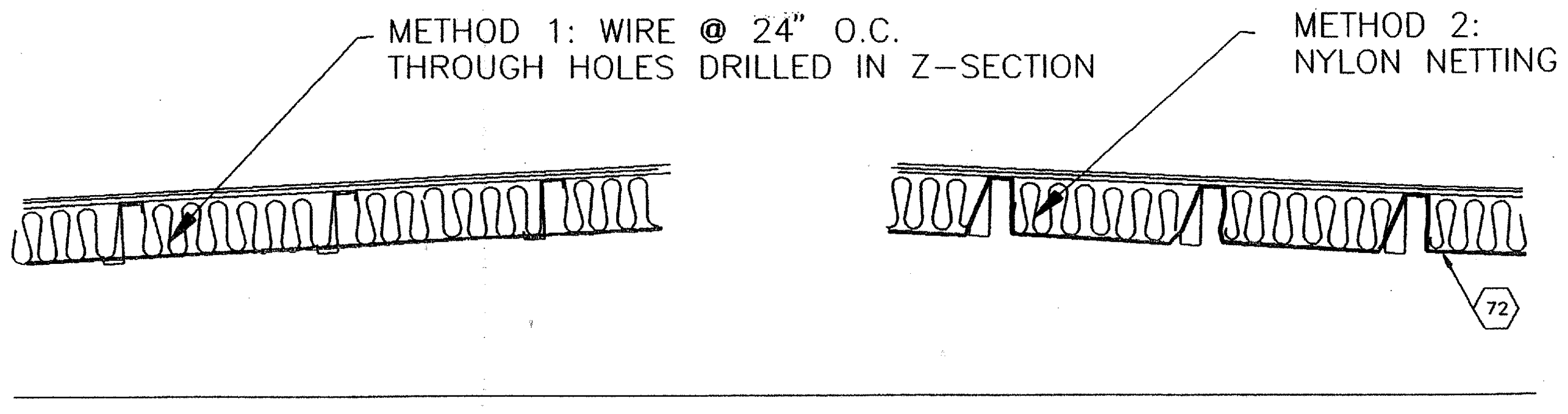
STATE AGENCY APPROVAL

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

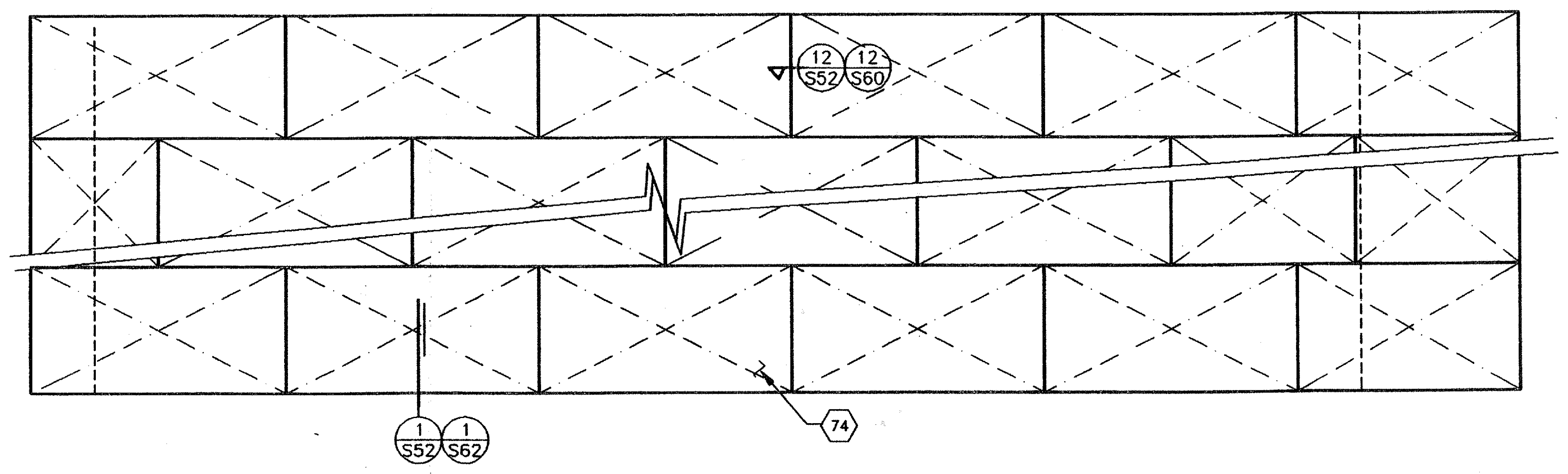
TITLE
GENERAL INTERIOR AND EXTERIOR
WALL CONTRUCTION DETAILS

JOB #
DATE 9-24-97
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

SHEET NO.
35-S-30

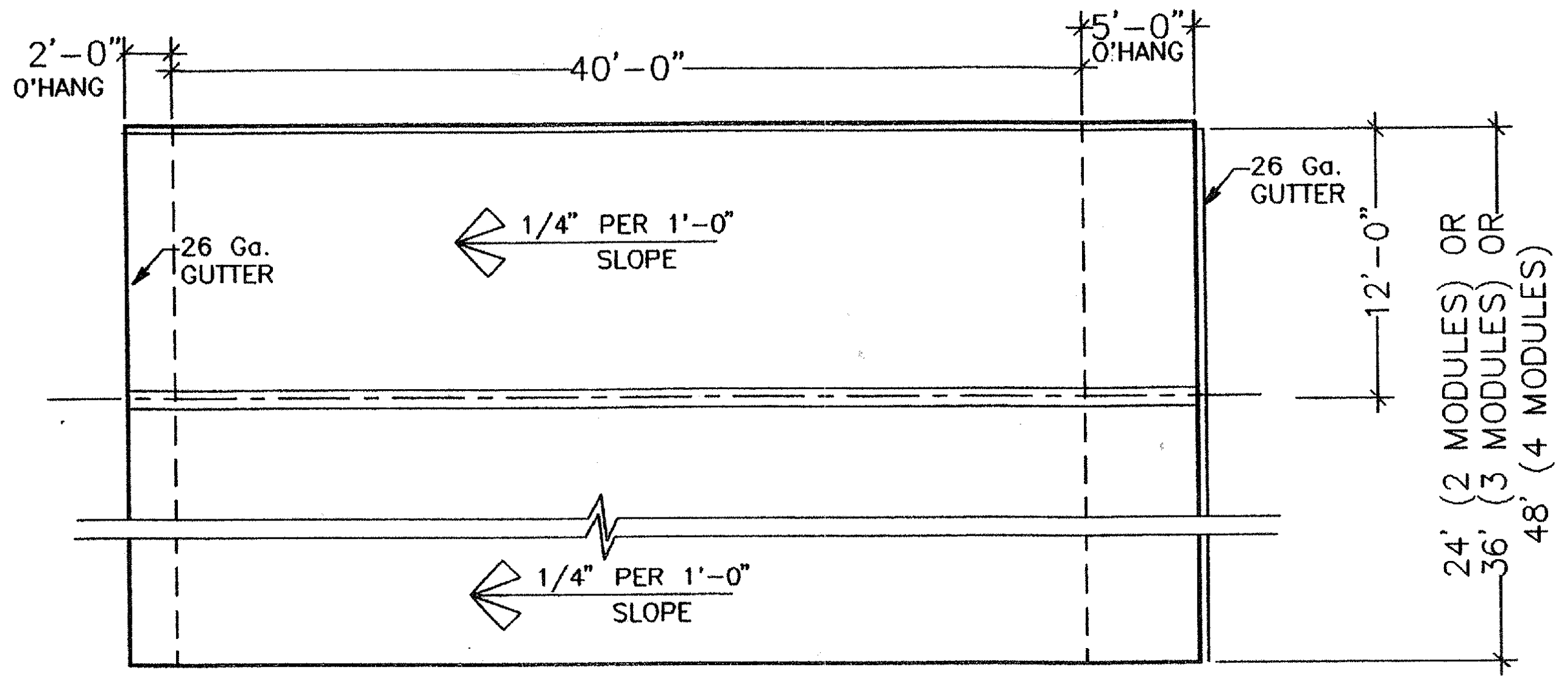

METHOD 1: WIRE @ 24" O.C. THROUGH HOLES DRILLED IN Z-SECTION
METHOD 2: NYLON NETTING
72

INSULATION @ ROOF

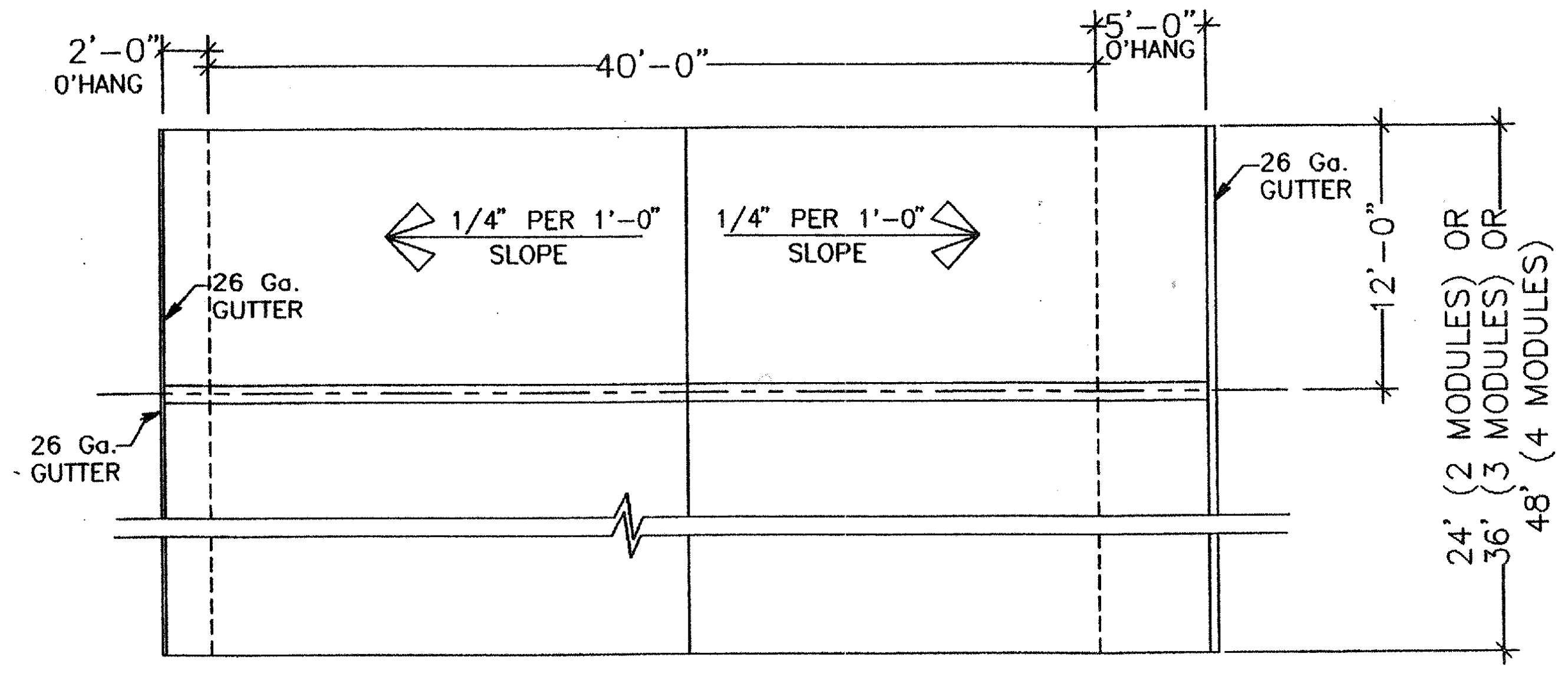


PLYWOOD DECKING LAYOUT

SINGLE SLOPE SHOWN



SINGLE SLOPE ROOF PLAN



DOUBLE SLOPE ROOF PLAN

⬡ KEYNOTES

2 [12"x 20.7 lb STEEL ROOF BEAM FOR 20 PSF, [15 X 33.9 FOR 30 PSF R.L.L.

2A [18"x 18-23 X 3 1/2" X 10 Ga.

3 [12"x 20.7 lb STEEL ROOF HEADER

3A [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

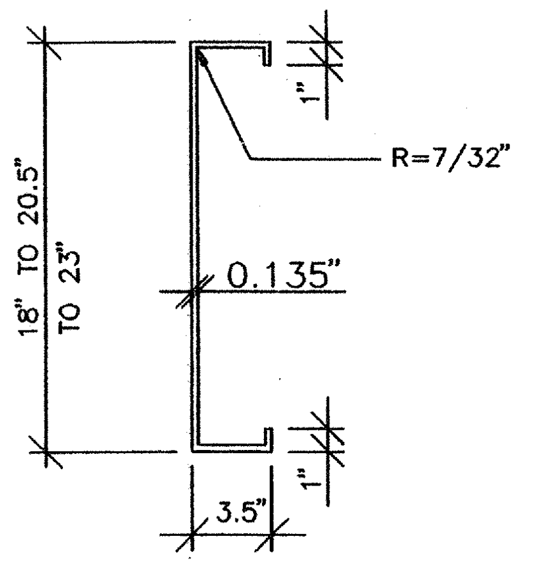
74 ROOF SHEATHING- 3/4" C-D EXPOSURE 1, 48/24 SPAN RATING, PS 1-83, APA RATED OR EQUAL, SQUARE EDGE W/ PLYWOOD CLIPS @ 16" O.C. LONG EDGES ON UNSUPPORTED EDGES; ATTACH TO STEEL FRAMING WITH #10-24 X 1 3/4 SELF TAP SCREWS @ 6" O.C. BOUNDARY & EDGES AND 6" O.C. FIELD WHERE JOIST ARE AT 48" O.C. AND 12" O.C. WHERE JOIST ARE AT 32" O.C.

75 22 GAGE GALVANIZED METAL ROOFING. SEE SHEET S-50 & S-60

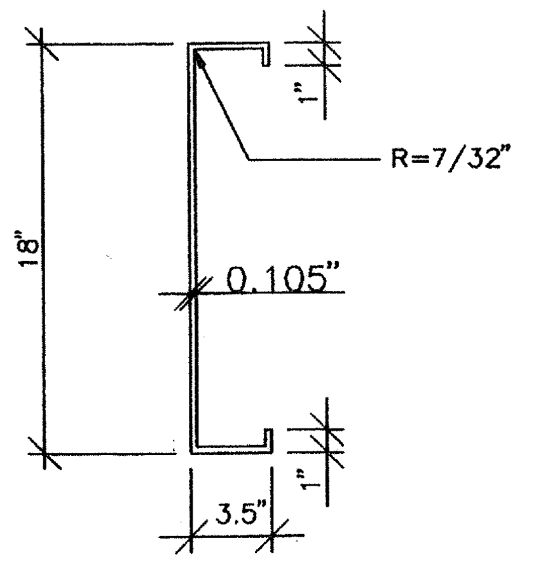
76 16/21/16 STEEL TRUSS. SEE SHEET S-70

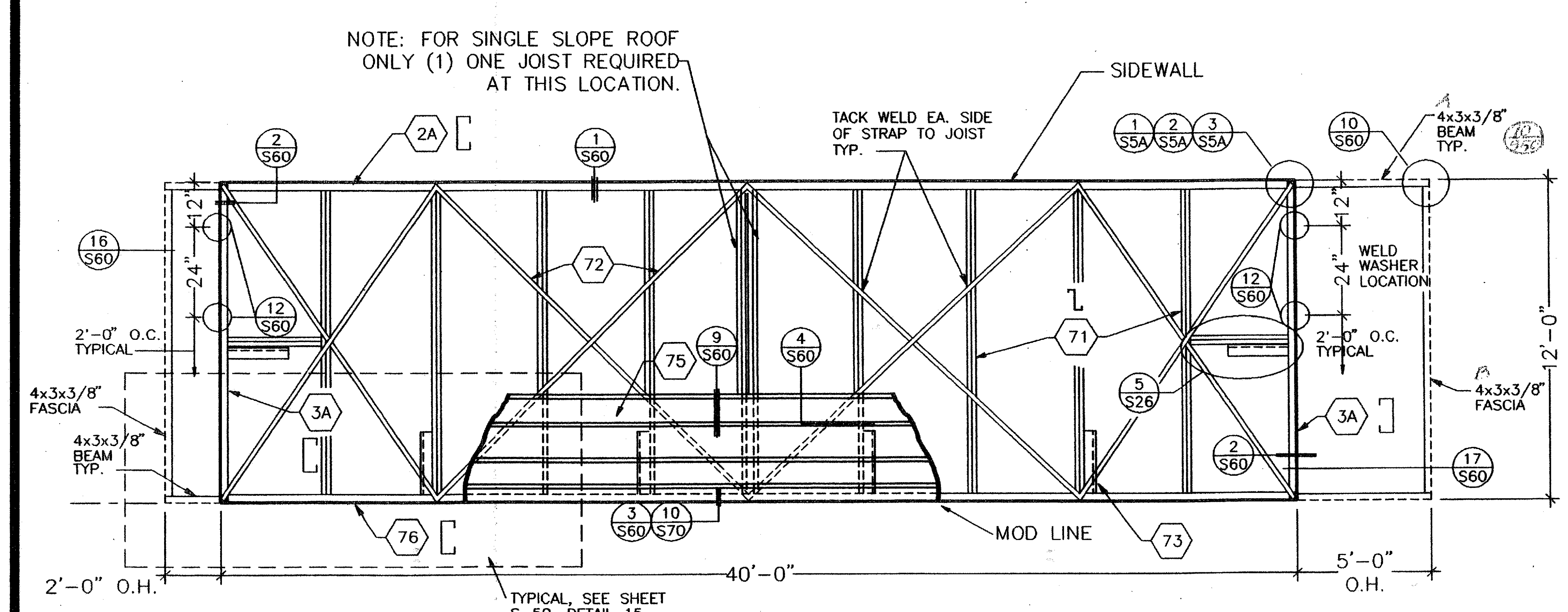
77 NYLON NETTING FOR INSULATION SUPPORT.

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



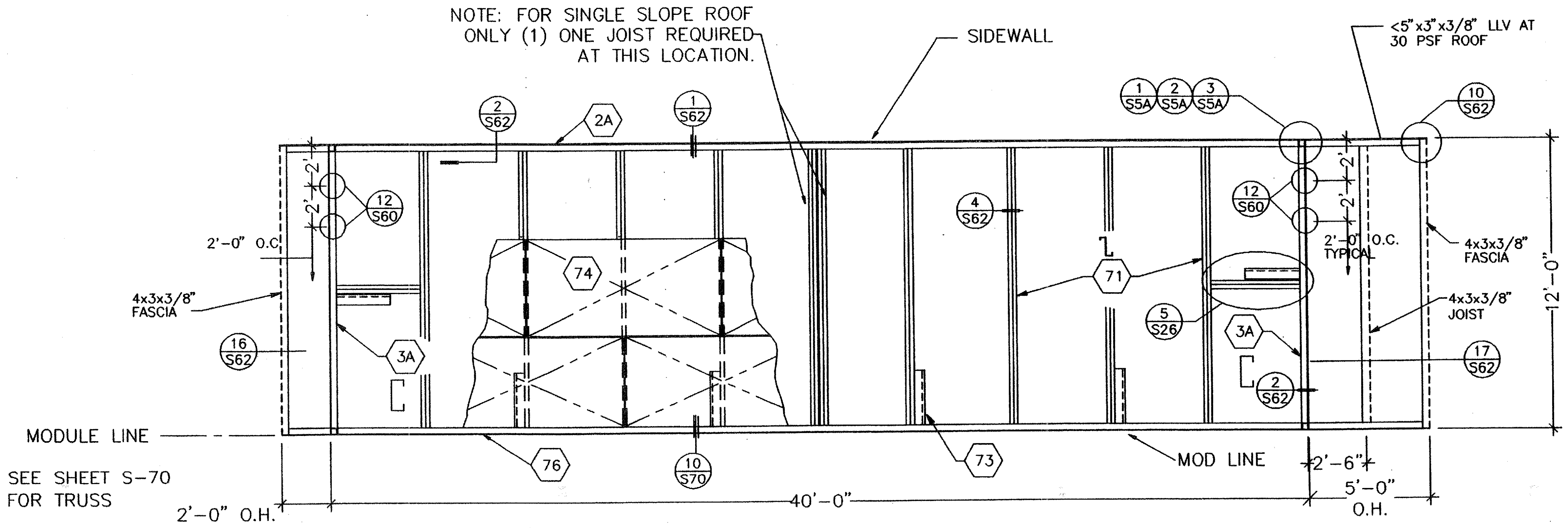
3A 18" x 3 1/2" x 12 GA. CHANNEL (HDR)





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

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

TITLE
GENERAL ROOF CONSTRUCTION LAYOUT

JOB #
DATE 9-24-97
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

STATE AGENCY APPROVAL

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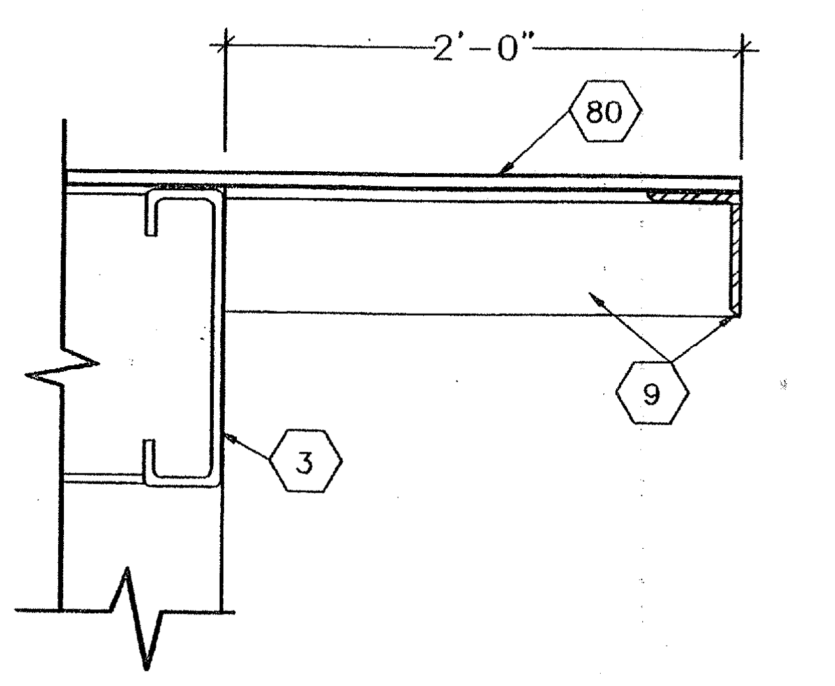
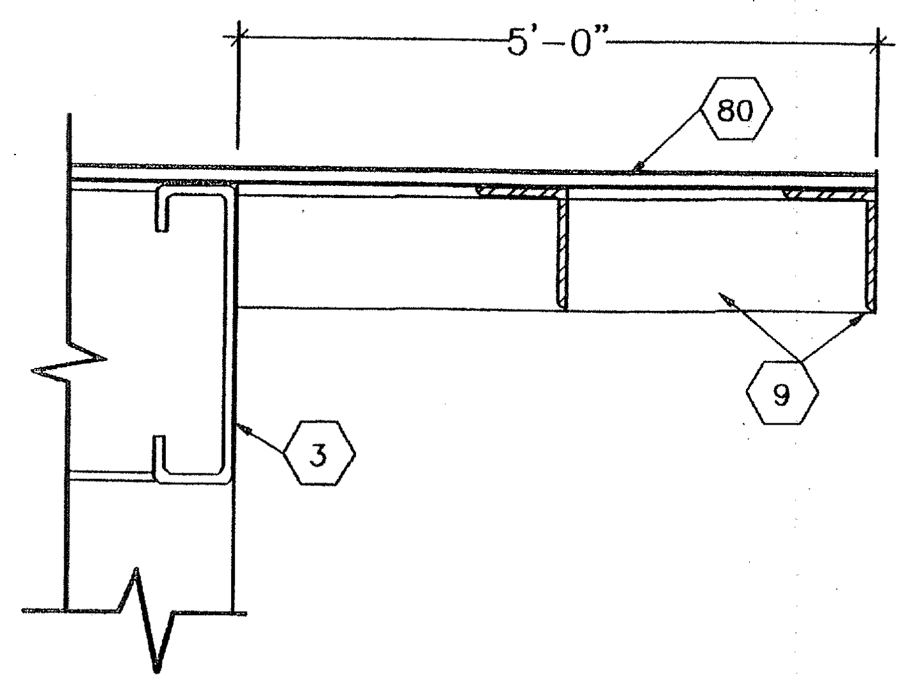
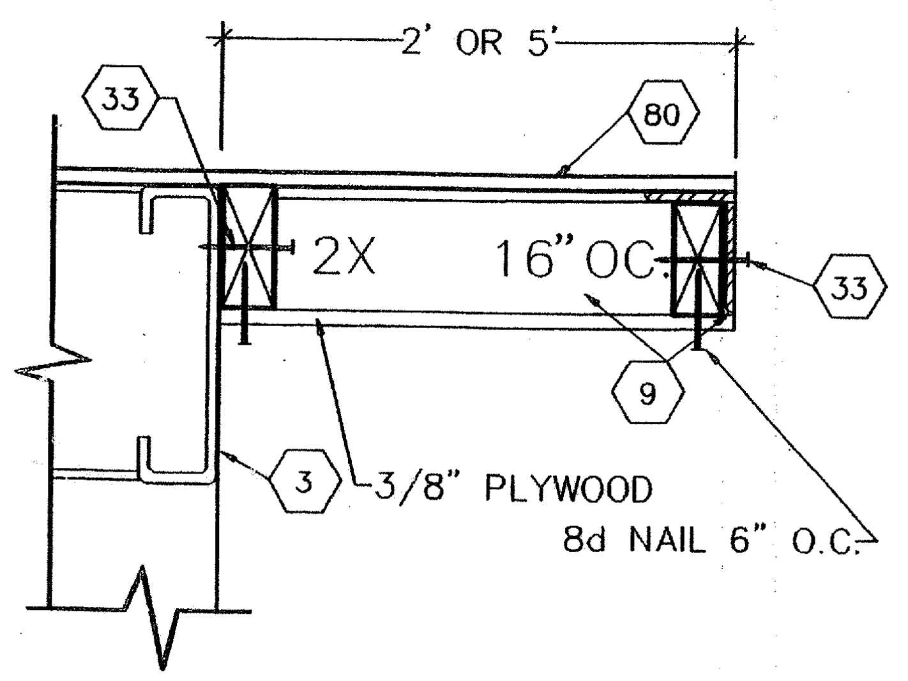
SHEET NO.
35-S-40



16 2' OVERHANG



17 5' OVERHANG

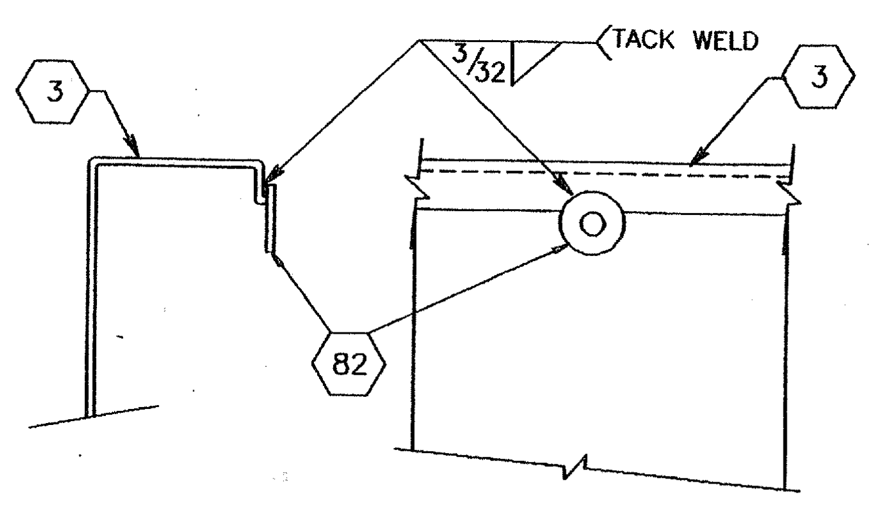


18 2' OR 5' OVERHANG OPTIONAL

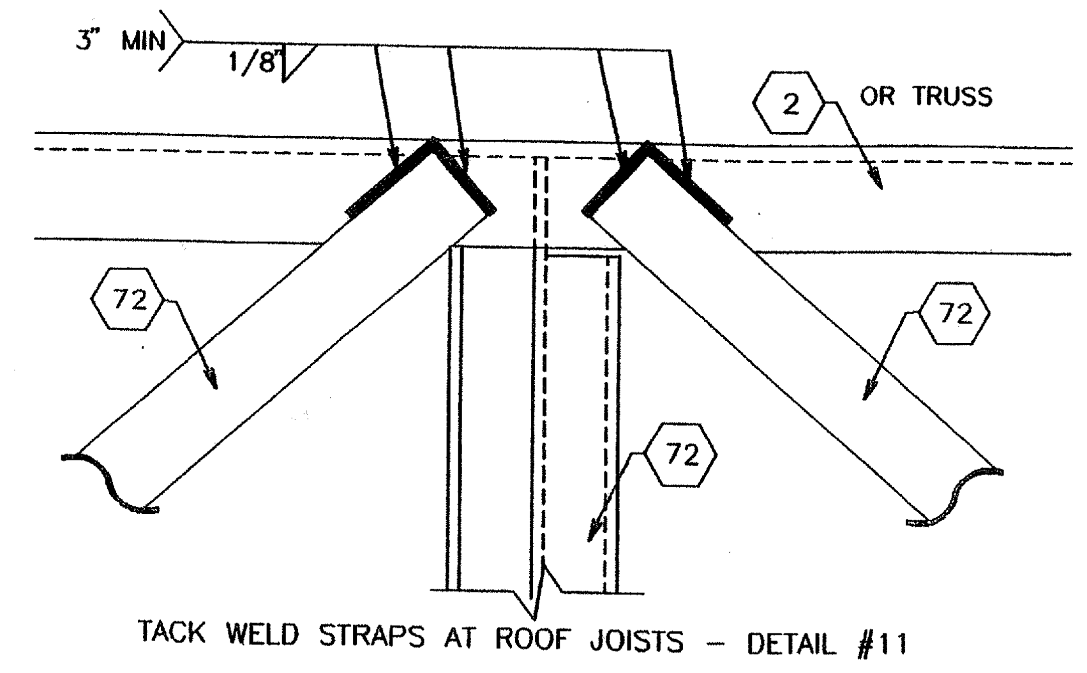
19

20

11



12 WELD WASHER

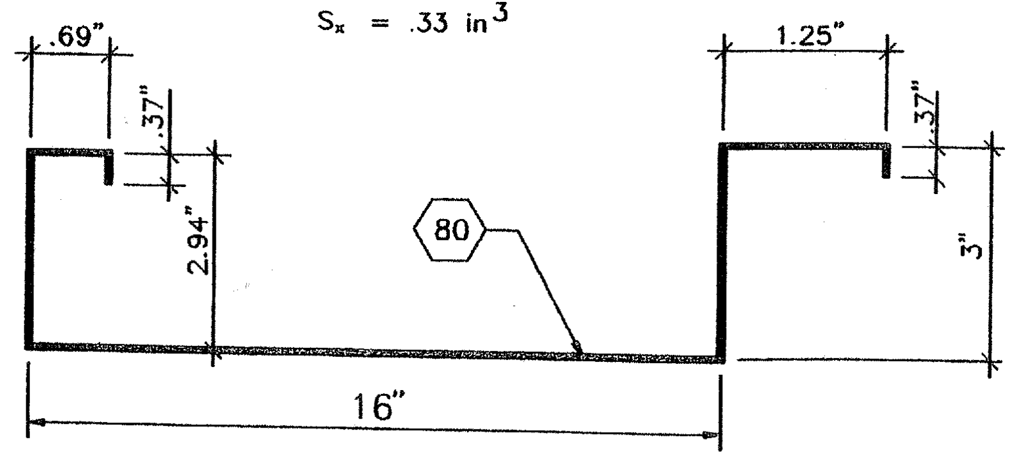


13 20 Ga. STRAP @ RF. BEAM

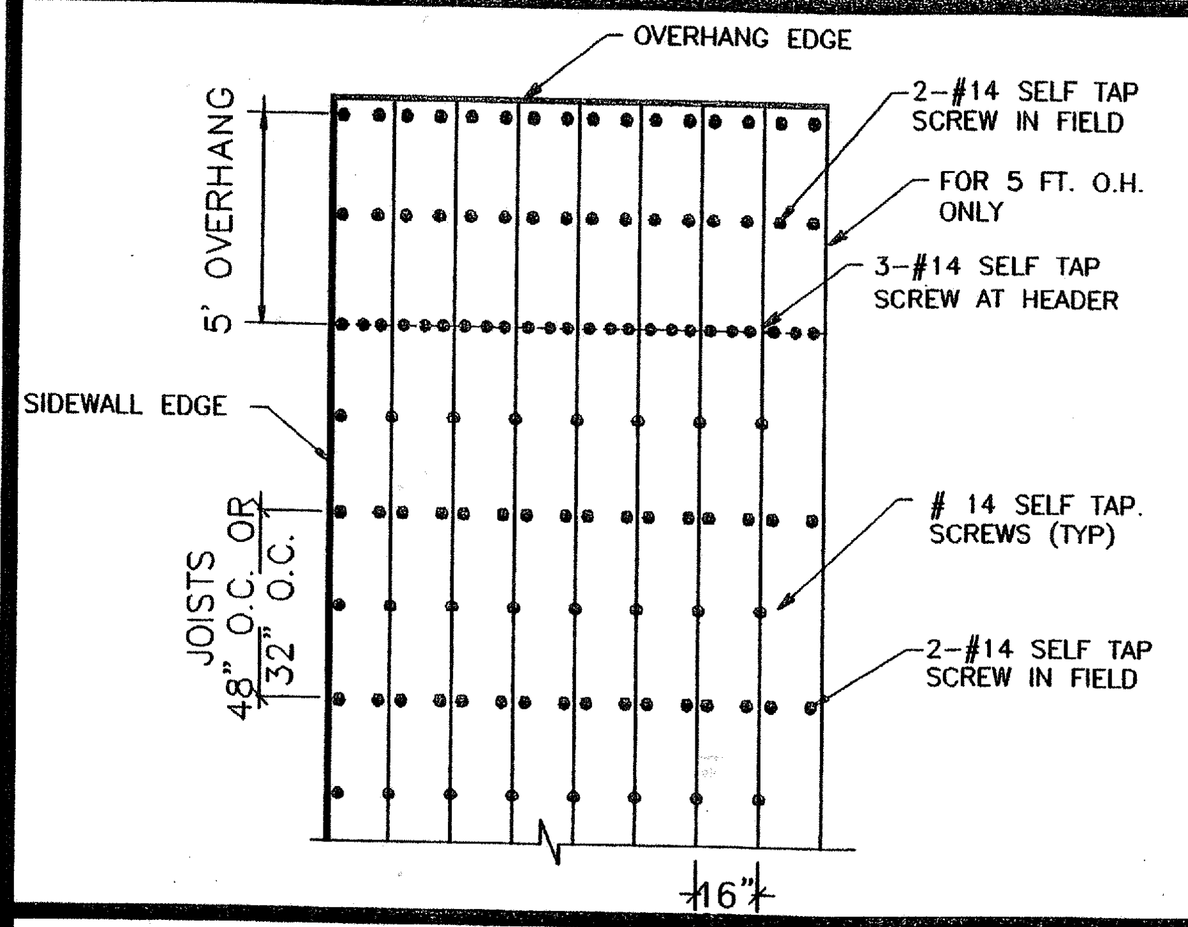
t = .032 in

i_x = .603 in^4

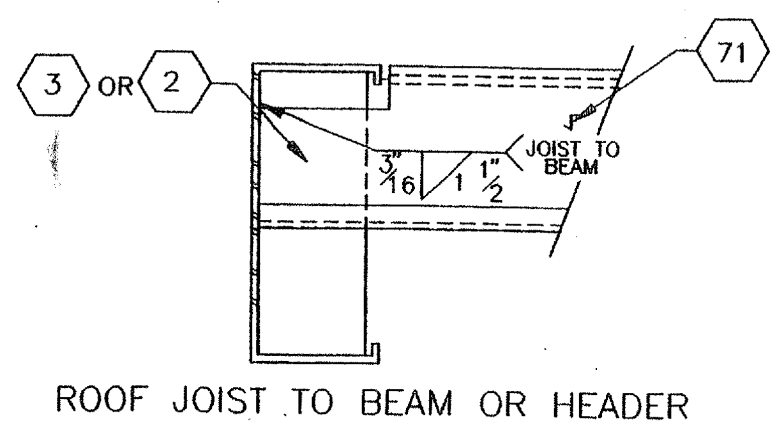
S_x = .33 in^3



14 ROOF PANEL SECTION

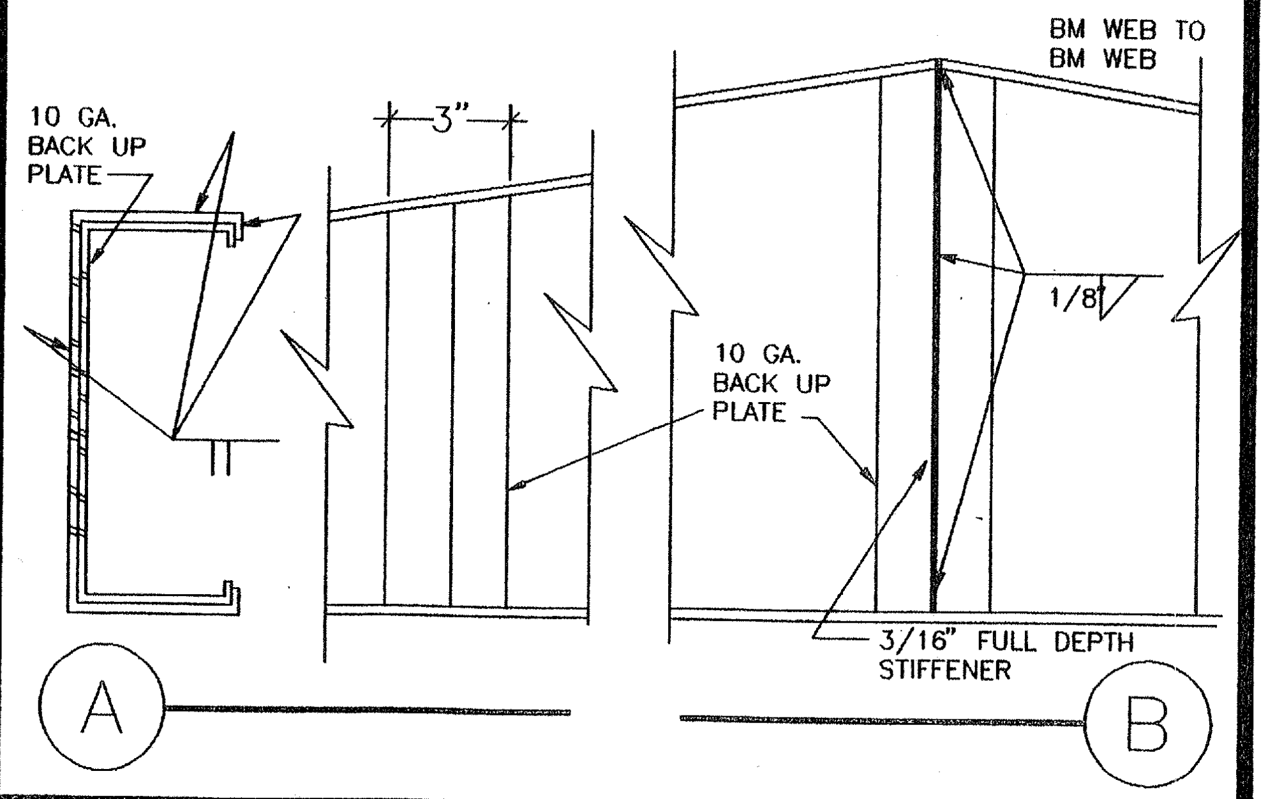

OVERHANG EDGE
2–#14 SELF TAP SCREW IN FIELD
FOR 5 FT. O.H. ONLY
3–#14 SELF TAP SCREW AT HEADER
5' OVERHANG
SIDEWALL EDGE
JOISTS 48" O.C. OR 32" O.C.
# 14 SELF TAP. SCREWS (TYP)
2–#14 SELF TAP SCREW IN FIELD
16"

15 TYPICAL ROOF FASTENING

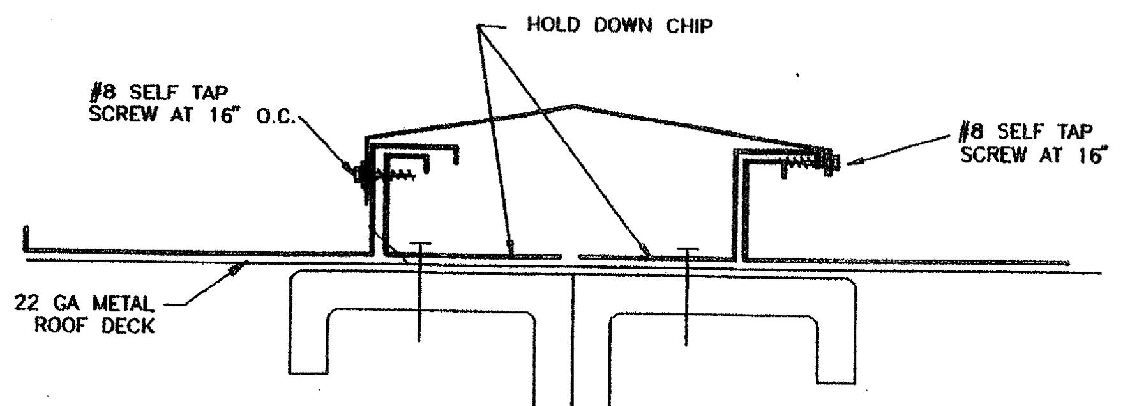


ROOF JOIST TO BEAM OR HEADER

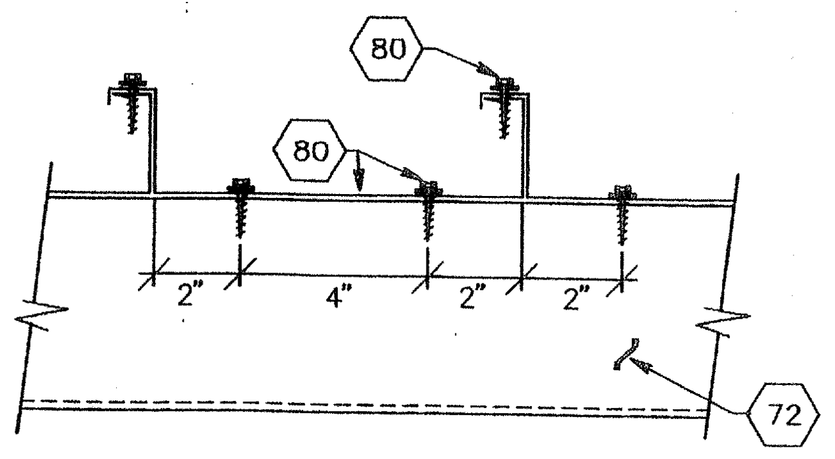
6 ROOF JOIST DETAILS



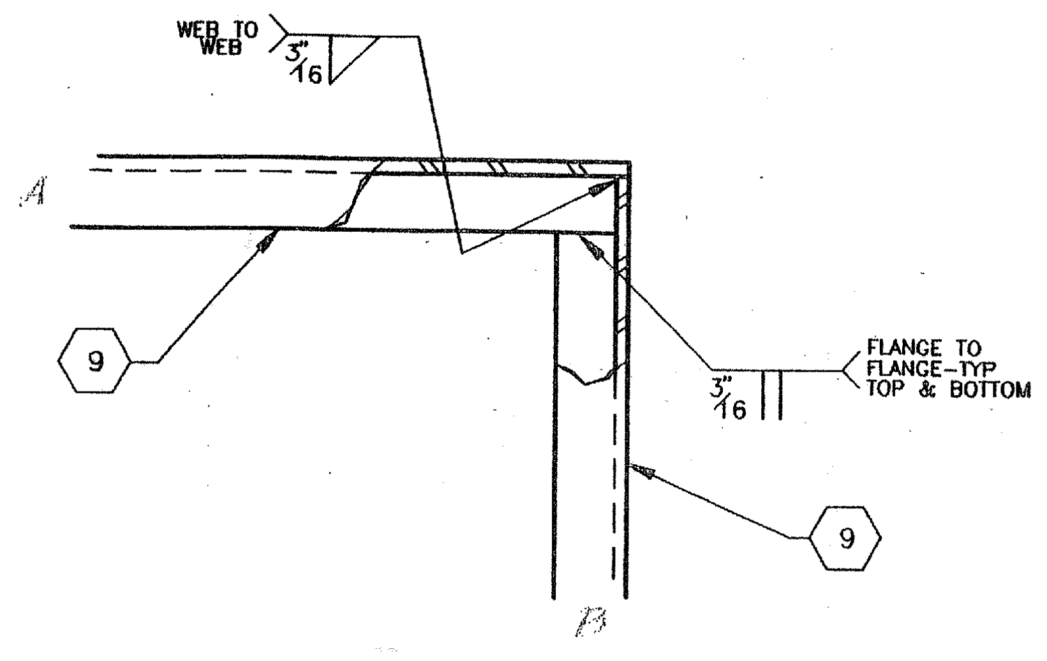
7 METAL ROOF AT BEAM



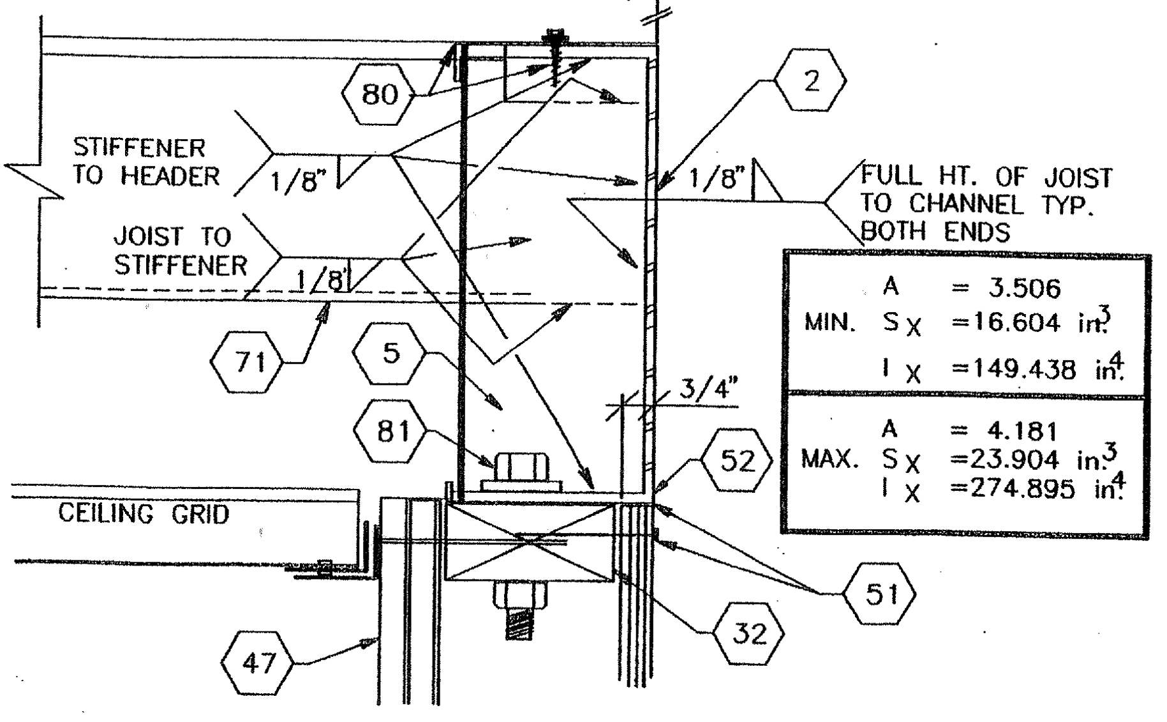
8 METAL ROOF @ MOD LINE



9 METAL ROOF AT JOIST

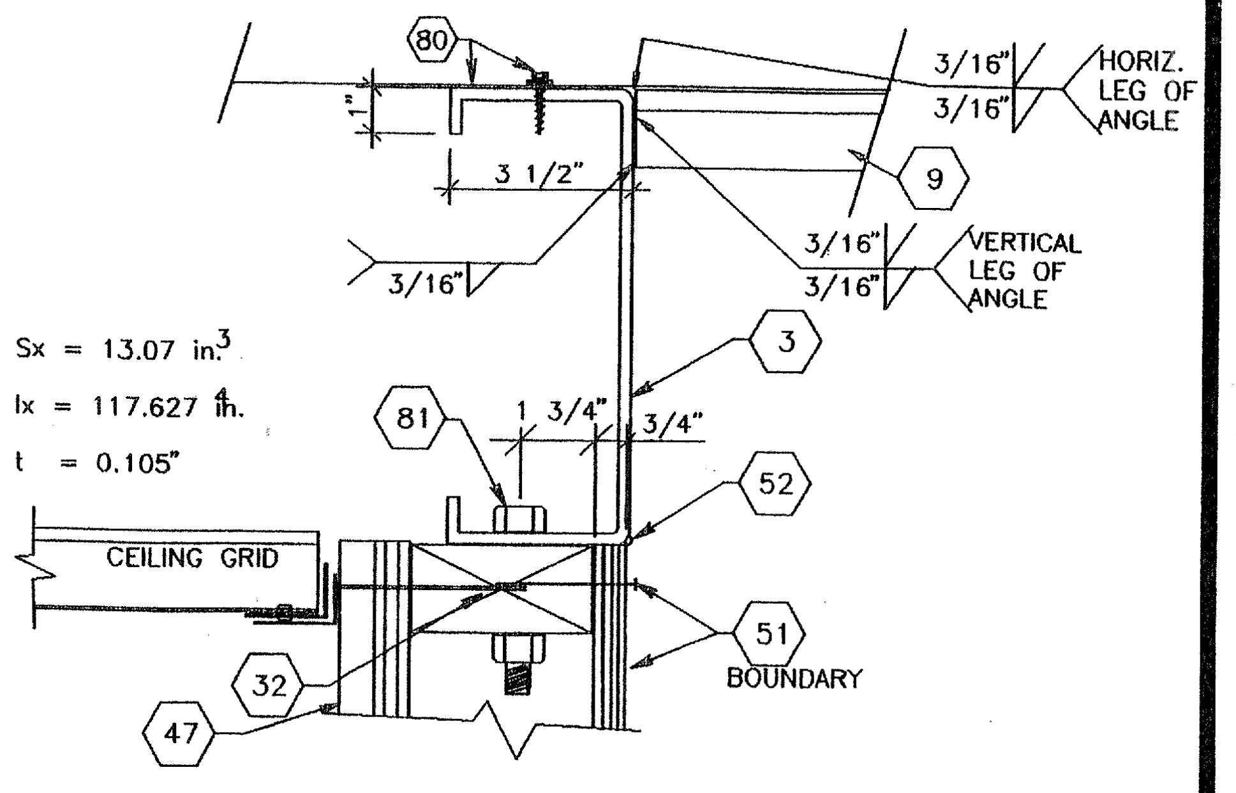


10 ANGLE TO ANGLE



MIN.	A	= 3.506
	S X	=16.604 in^3
	I X	=149.438 in^4
MAX.	A	= 4.181
	S X	=23.904 in^3
	I X	=274.895 in^4

1 ROOF AT SIDEWALL

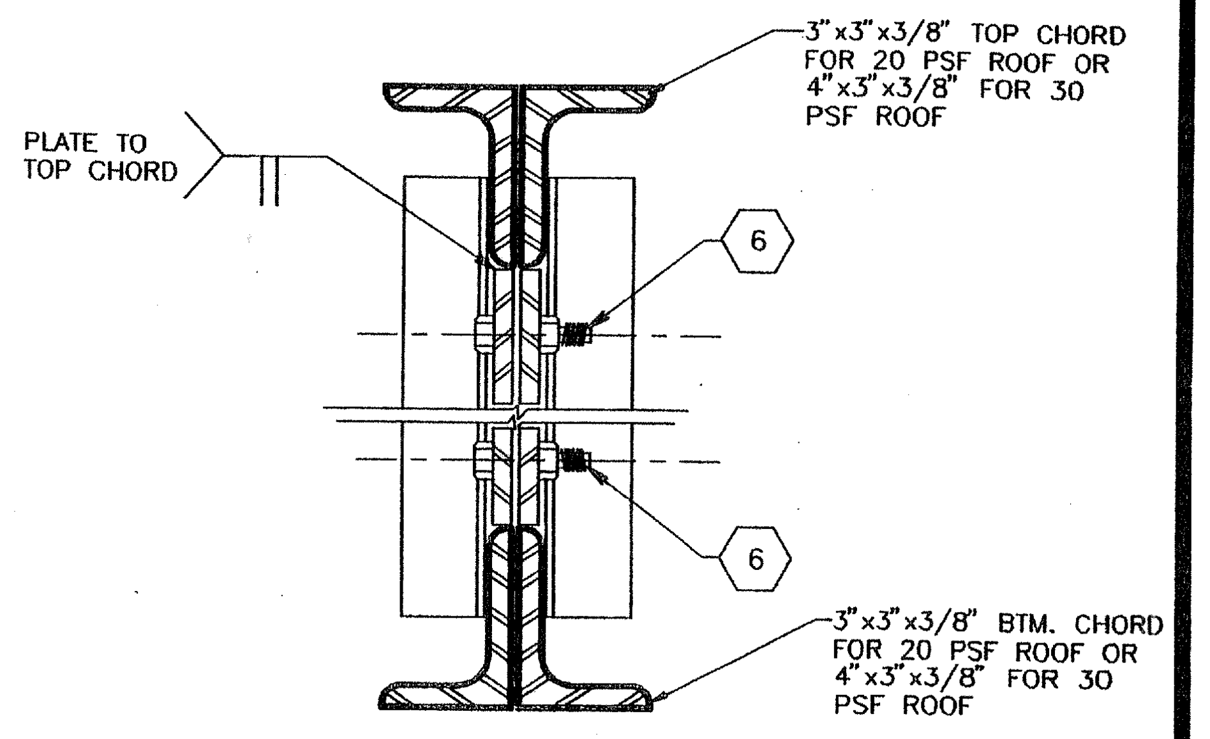


Sx = 13.07 in^3

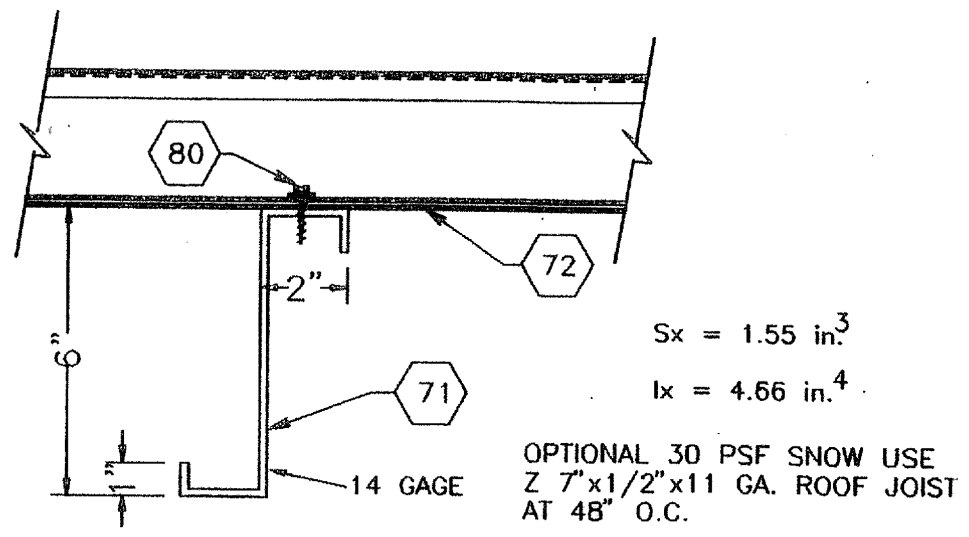
Ix = 117.627 in^4

t = 0.105"

2 ROOF AT ENDWALL


3"x3"x3/8" TOP CHORD FOR 20 PSF ROOF OR 4"x3"x3/8" FOR 30 PSF ROOF
PLATE TO TOP CHORD
6
6
3"x3"x3/8" BTM. CHORD FOR 20 PSF ROOF OR 4"x3"x3/8" FOR 30 PSF ROOF

3 TRUSS AT MODLINE



Sx = 1.55 in^3

Ix = 4.66 $in.^4$

OPTIONAL 30 PSF SNOW USE Z 7"x1/2"x11 GA. ROOF JOIST AT 48" O.C.

4 ROOF JOIST

5

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. ∡ 4"x 3"x 3/8" @ PERIM. OF ROOF OVERHANG. OR USE ∡ 5"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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PC-362

STRUCTURAL ENGINEERS STAMP

2002

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

TITLE
ROOF CONSTRUCTION DETAILS FOR
COLD ROLLED AND METAL ROOFING

JOB #

DATE 9-24-97

DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
35-S-60

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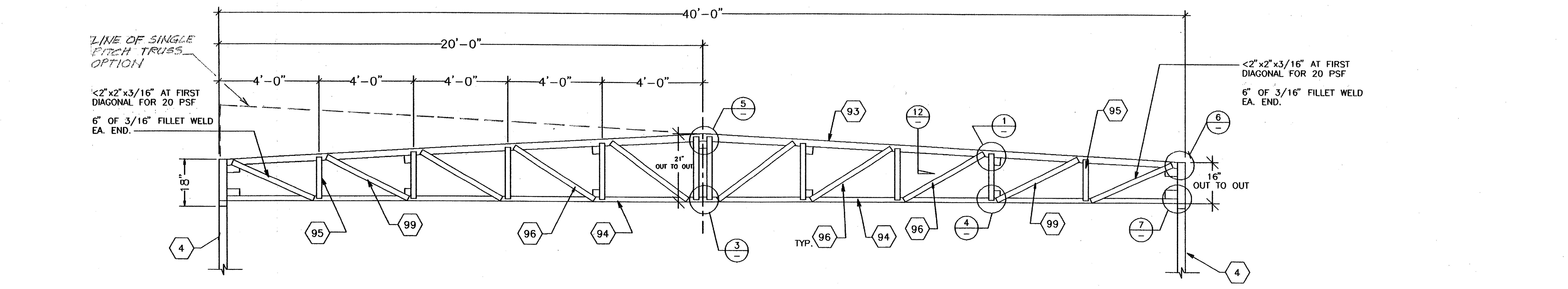

LINE OF SINGLE PITCH TRUSS OPTION
40'-0"
20'-0"
4'-0"
4'-0"
4'-0"
4'-0"
4'-0"
<2"x2"x3/16" AT FIRST DIAGONAL FOR 20 PSF
6" OF 3/16" FILLET WELD EA. END.
18"
21" OUT TO OUT
16" OUT TO OUT
TYP.
1
3
4
5
6
7
12
93
94
95
96
99

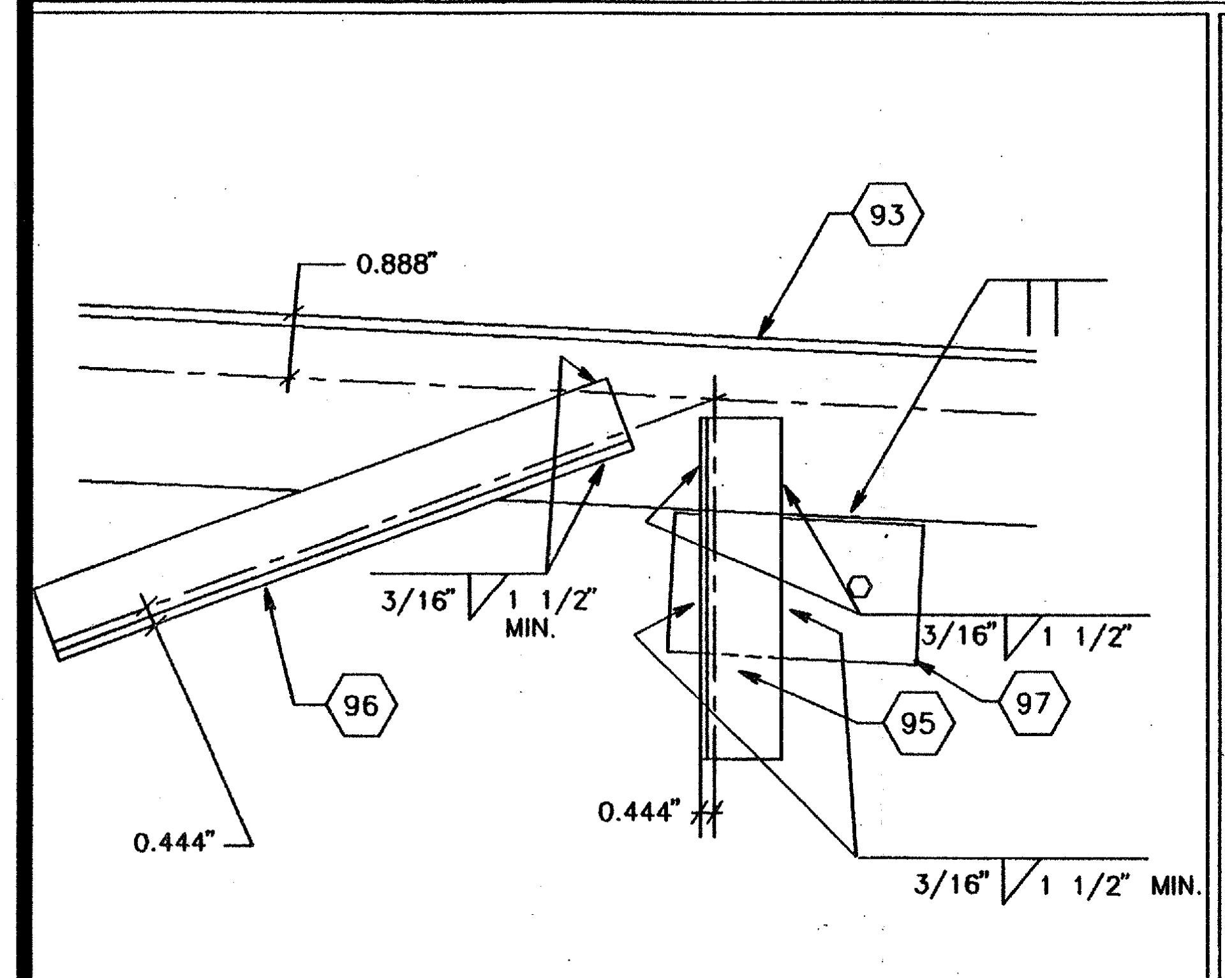
TRUSS ELEVATION

CAMBER TRUSS 1/2" @ MIDSPAN

A

KEYNOTES

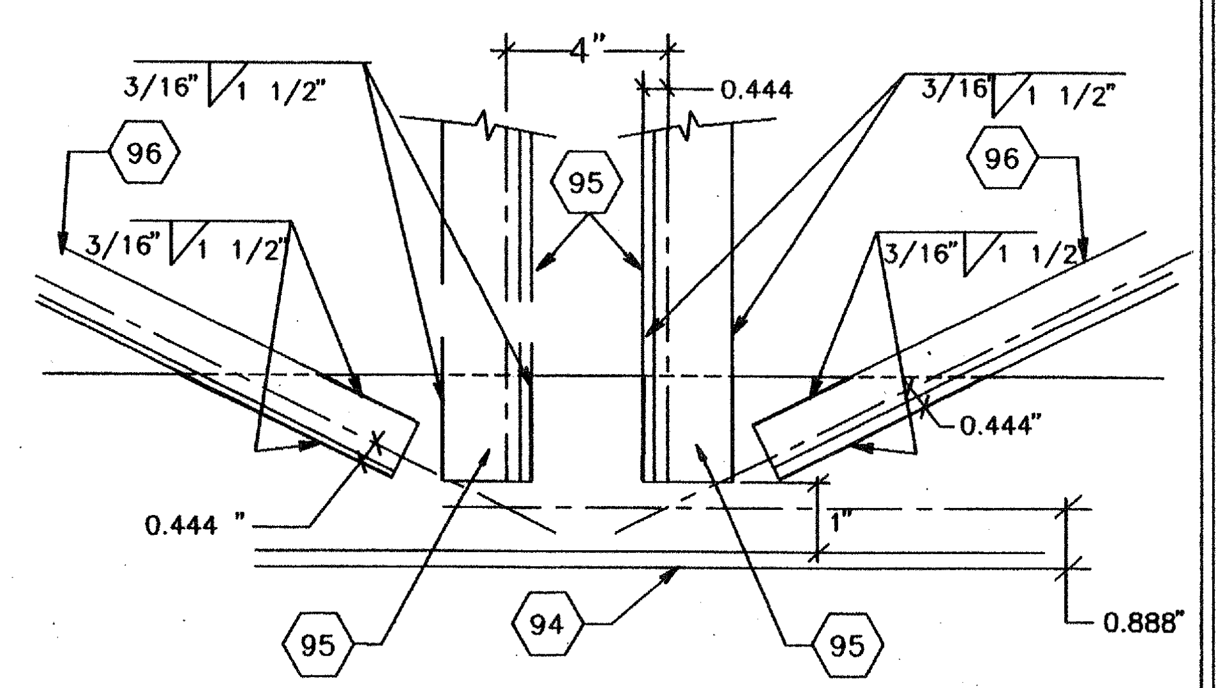
4. 3 1/2""x3 1/2"x 1/4" STEEL TUBE
6. 5/8" MACHINE BOLT FOR MODULE CONNECTION
7. 1/4" CAP PLATE
71. ROOF JOIST
93. ∠ 3"x3"x3/8" TOP CHORD.
94. ∠ 3"x3"x3/8" 1/2" C AMBER AT MIDPOINT FOR 20 PSF ROOF
95. ∠ 1 1/2"x1 1/2"x3/16" VERTICAL MEMBER
96. ∠ 1 1/2"x 1 1/2"x 3/16" DIAGONAL MEMBER TYP.
3" OF FILLET WELD AT 20 PSF ROOF
97. 3/8"x3"x5 1/2" PLATE WITH 11/16" HOLE FOE 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" END DIAGONAL (WITH 4" OF 3/16" FILLET WELD EACH END)



VERT. & DIAG. TOP CHORD

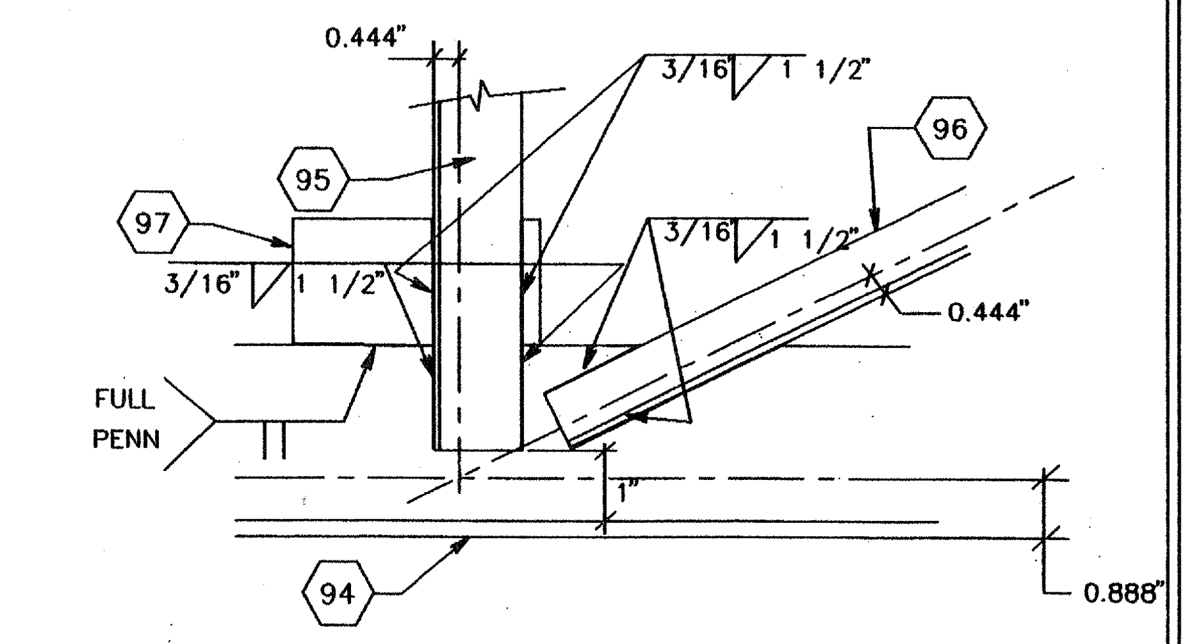
1

2



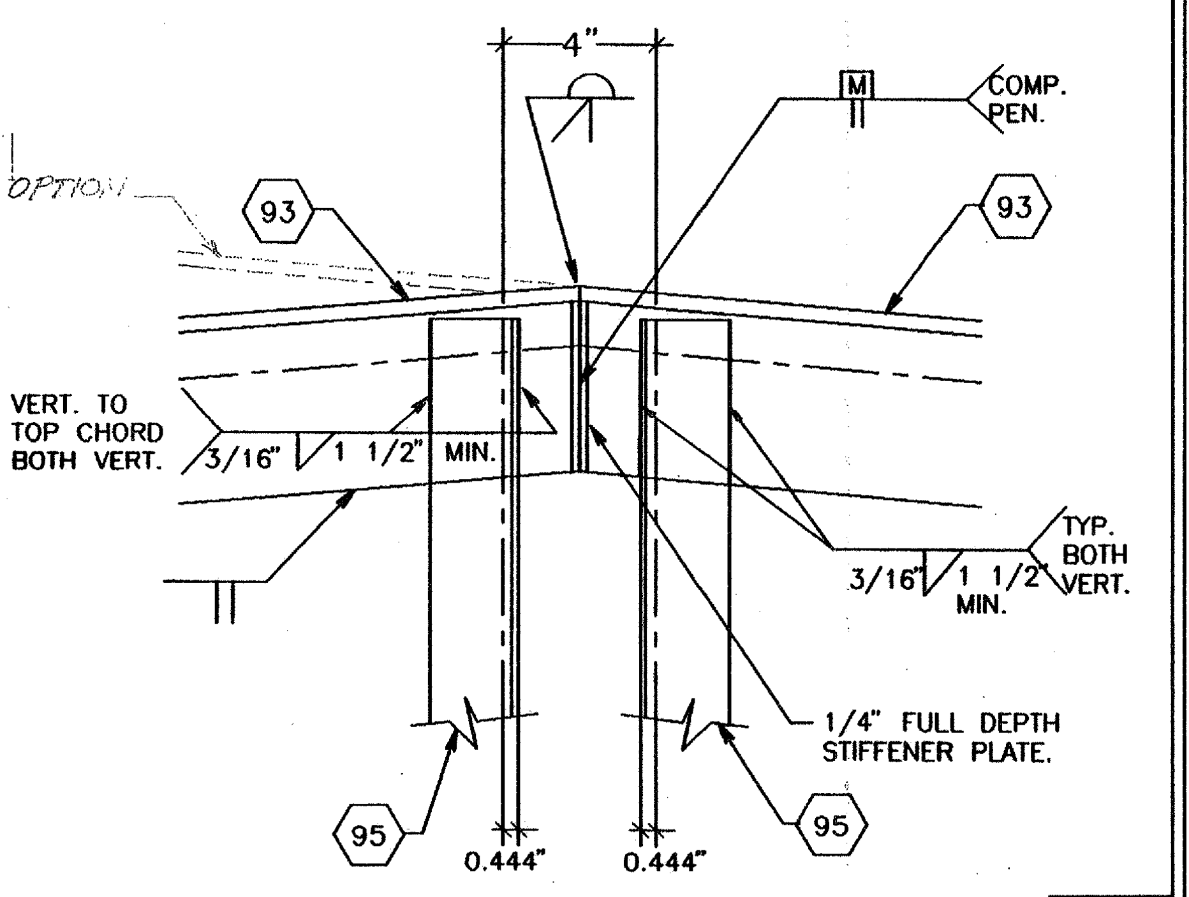
BOTTOM CHORD AT MIDSPAN

3



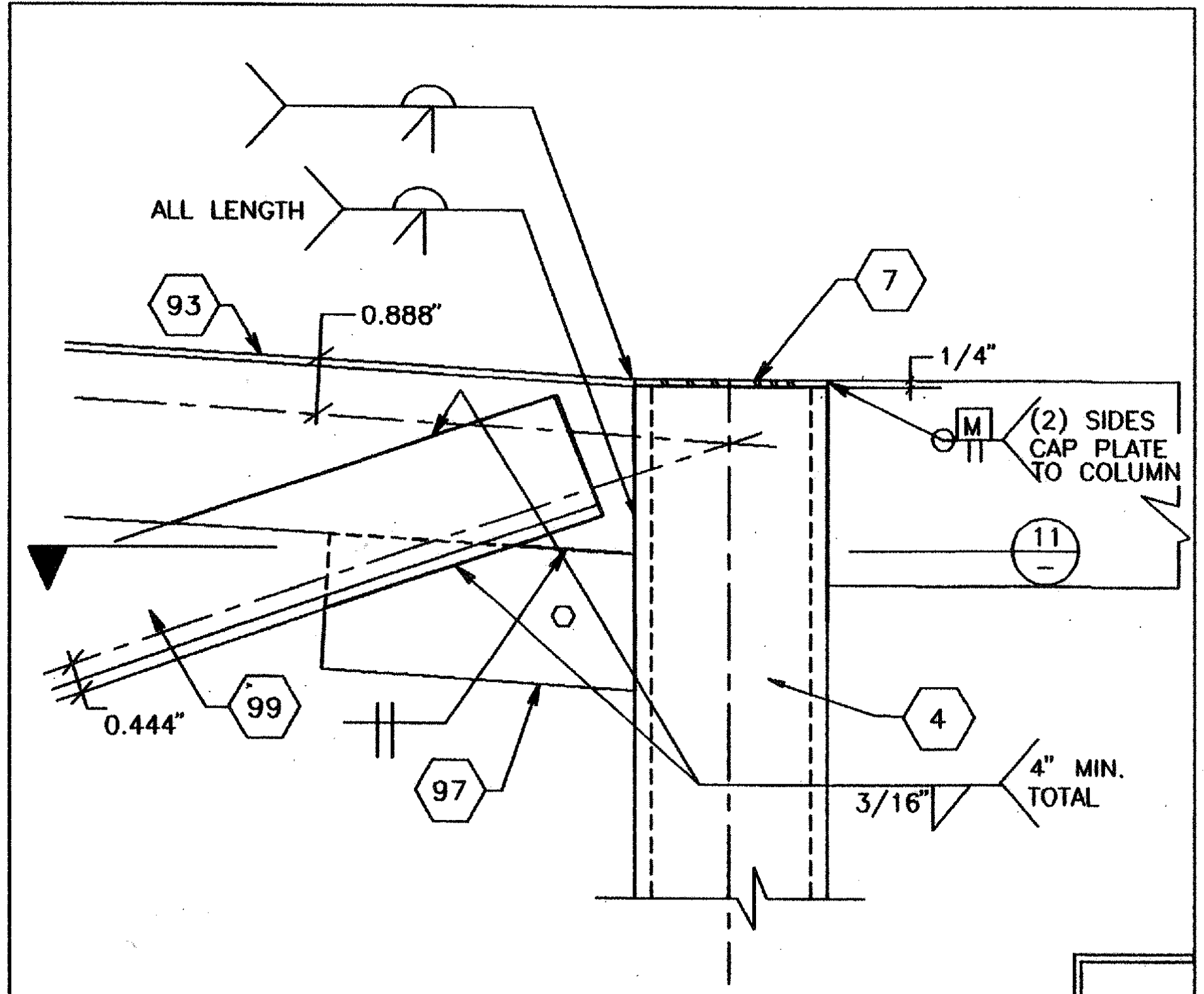
VERT & DIAG TO BOTTOM CHORD

4



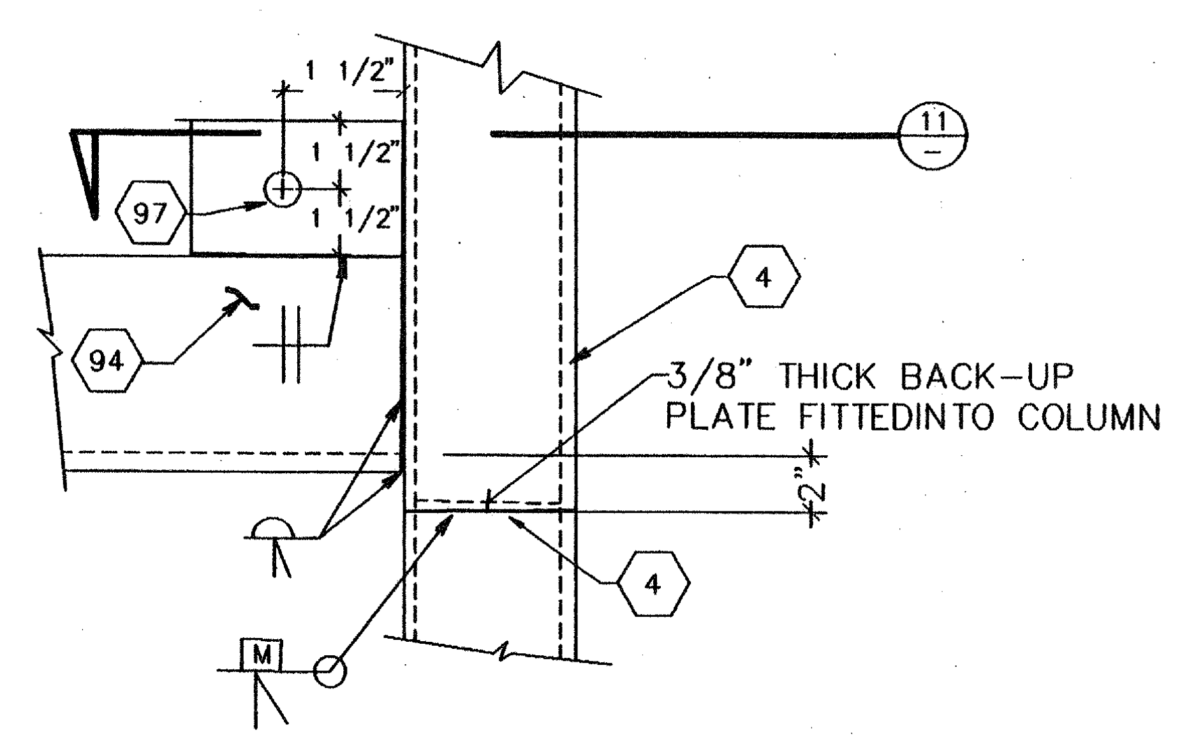
TOP CHORD AT MIDPOINT

5



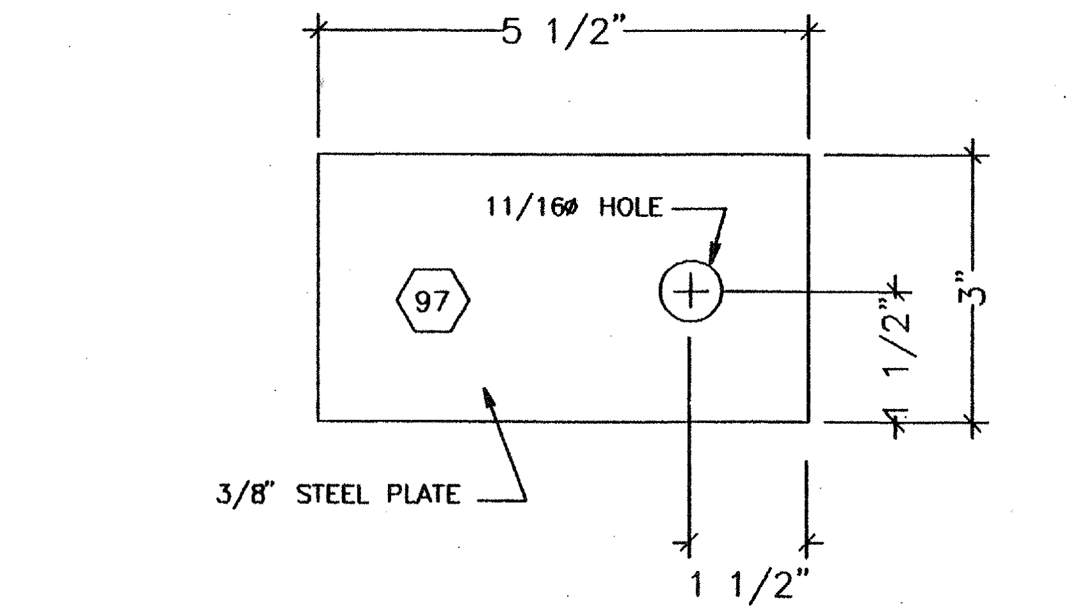
POST CONN TO TRUSS

6



POST CONN TO TRUSS

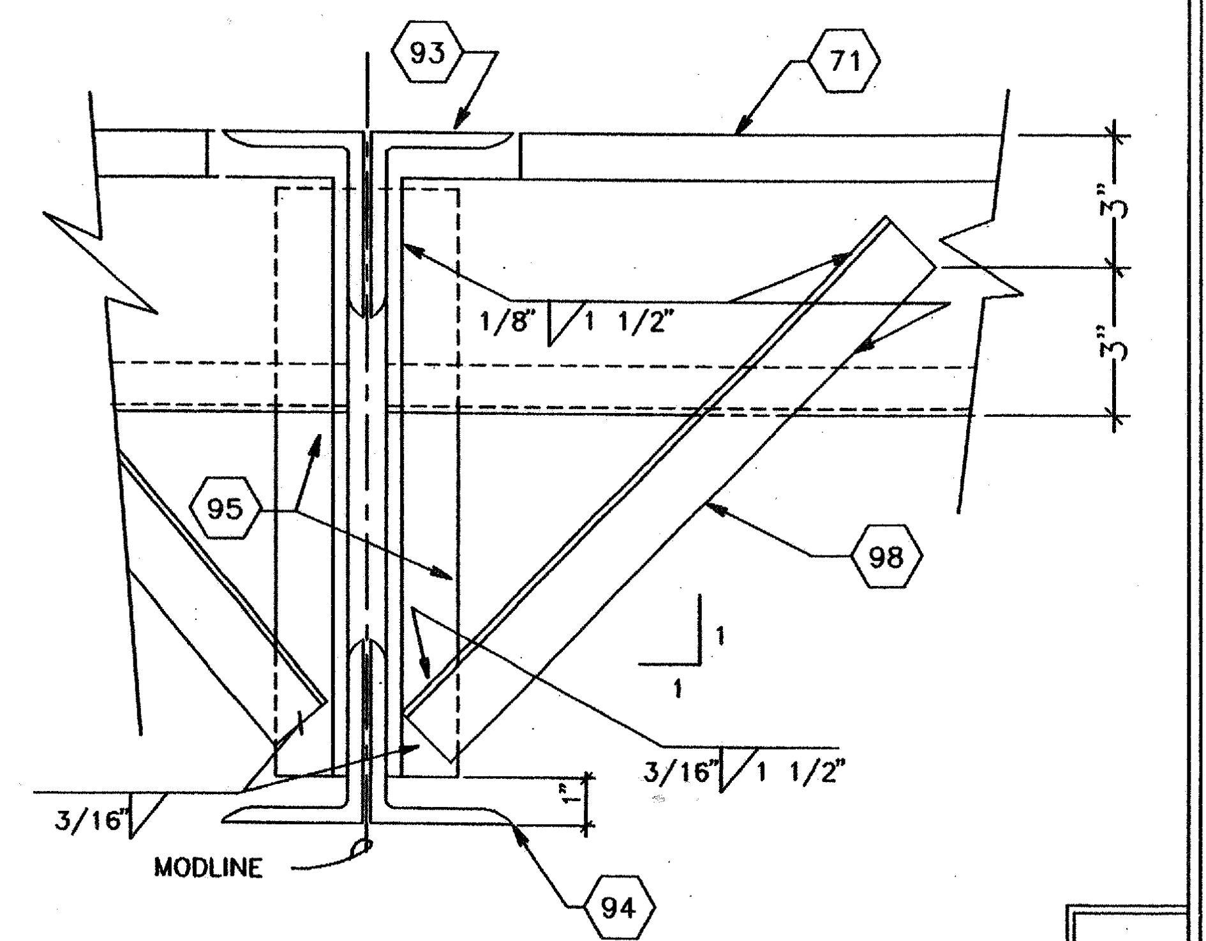
7



TIE PLATES

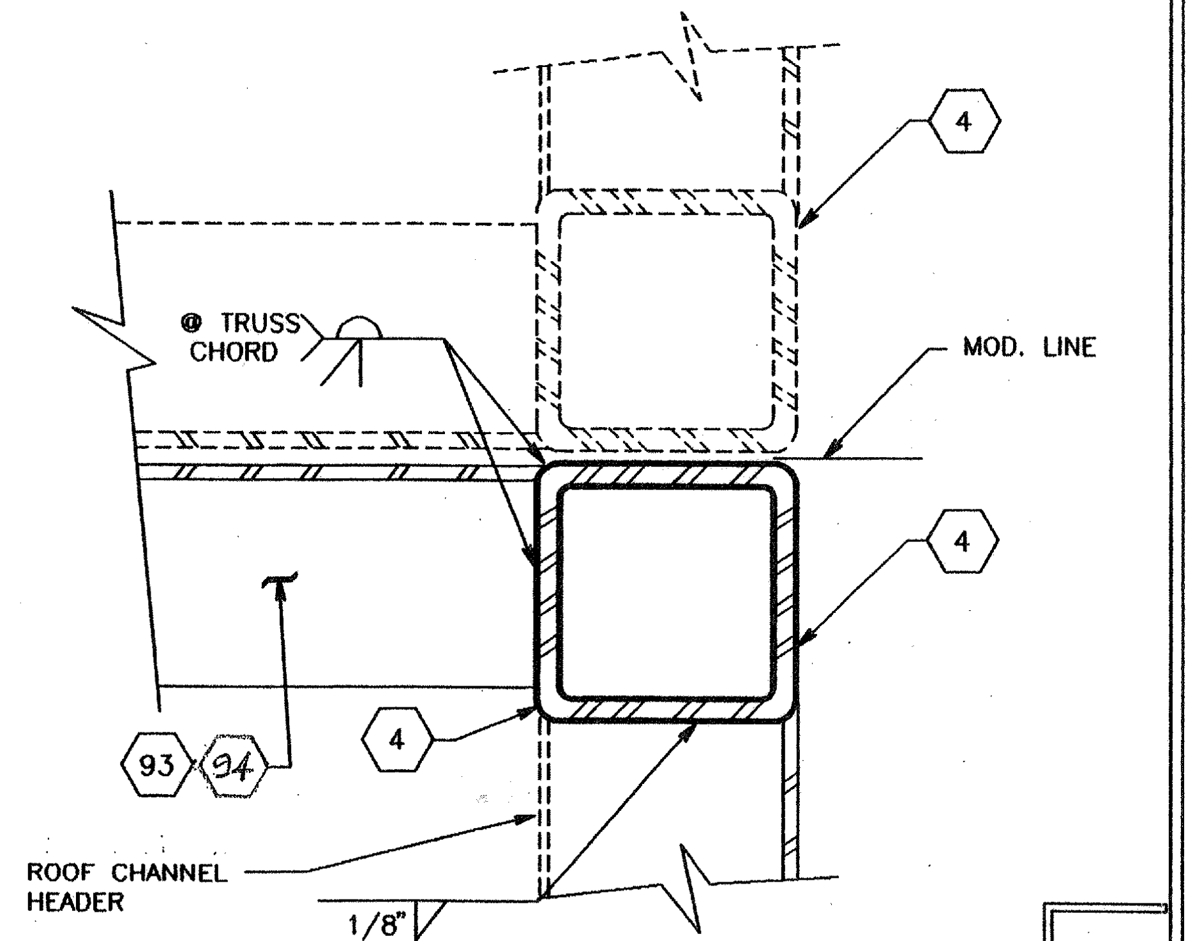
8

9



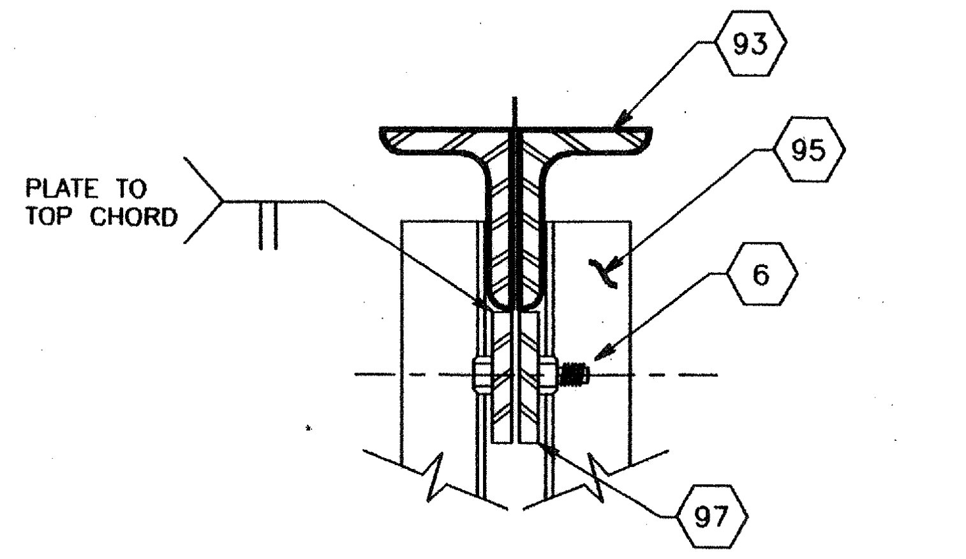
TRUSS TO ROOF JOIST BRACING

10



MODULE CONN AT TOP/BOT. CORD

11



MODULE CONNECTION

12

20 # ROOF

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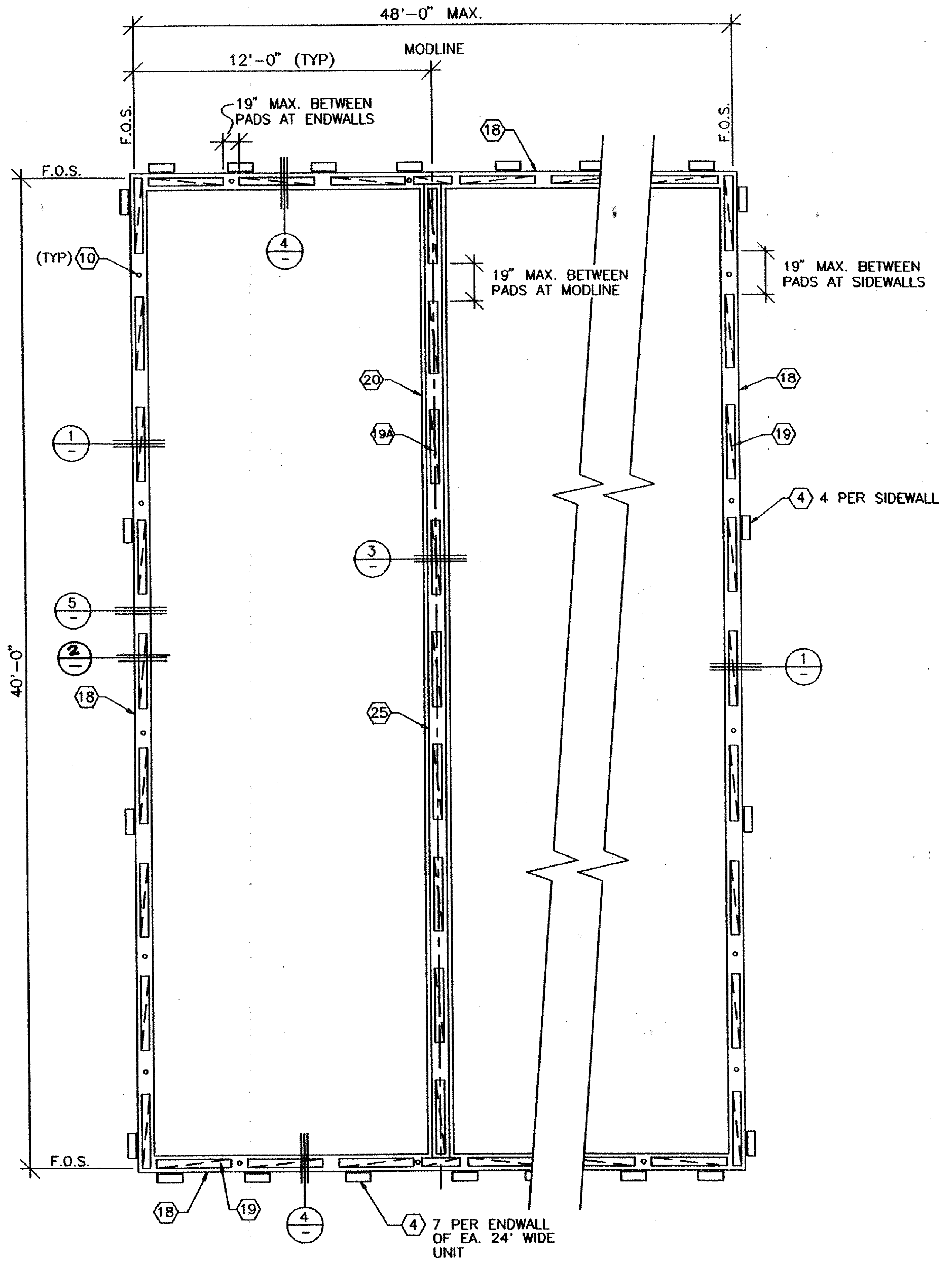
STATE AGENCY APPROVAL

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

TITLE
STEEL TRUSS SECTION DETAILS
FOR DOUBLE PITCH ROOF

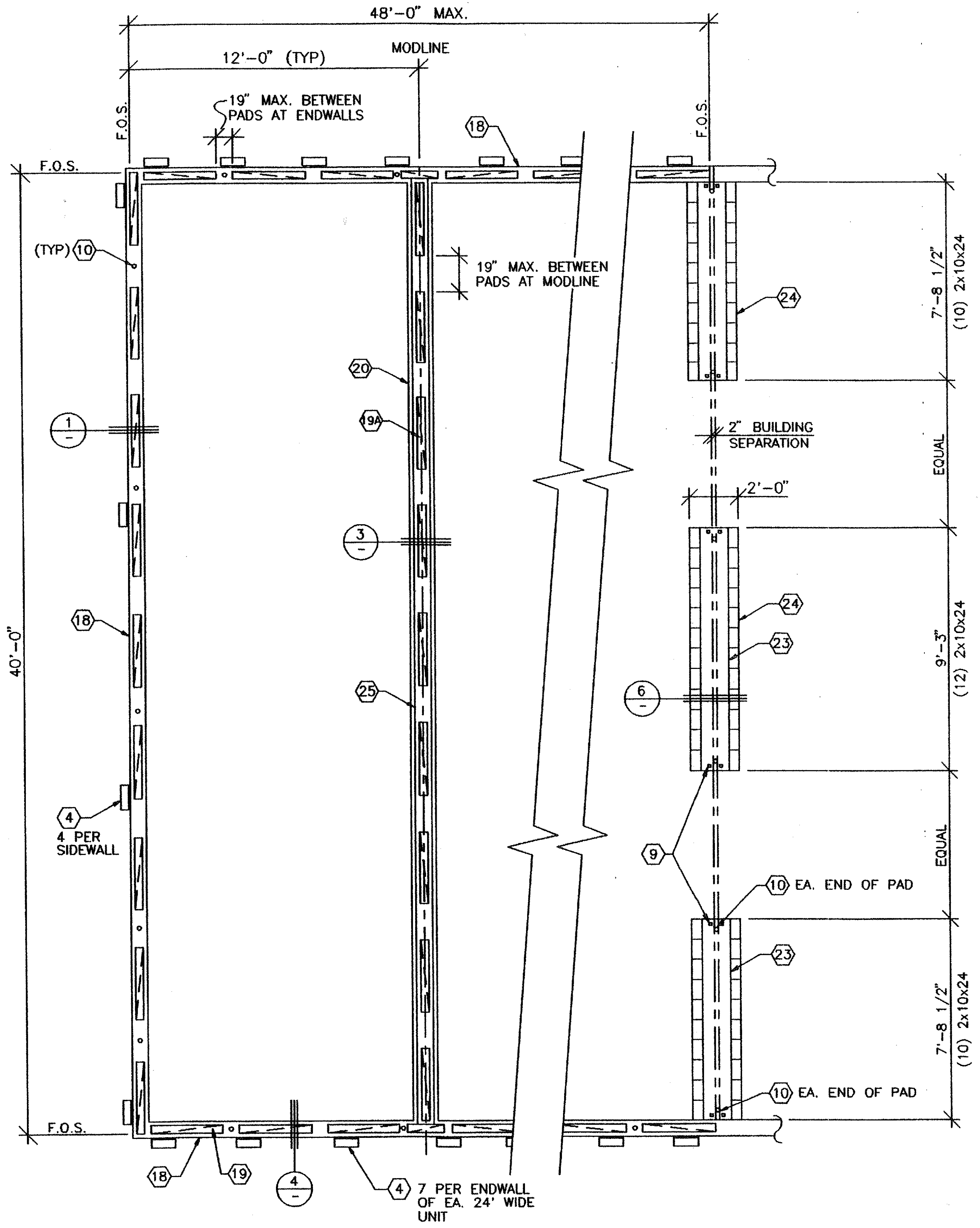
JOB #
DATE 6-27-97
DRAWN BY R.D.L.
SCALE NONE
APPROVED
REVISIONS

SHEET NO.
35-S-70


48'–0" MAX.
12'–0" (TYP)
MODLINE
F.O.S.
19" MAX. BETWEEN PADS AT ENDWALLS
19" MAX. BETWEEN PADS AT MODLINE
19" MAX. BETWEEN PADS AT SIDEWALLS
(TYP) 10
18
20
19A
19
3
25
1
5
2
4
4 PER SIDEWALL
40'–0"
7 PER ENDWALL OF EA. 24' WIDE UNIT

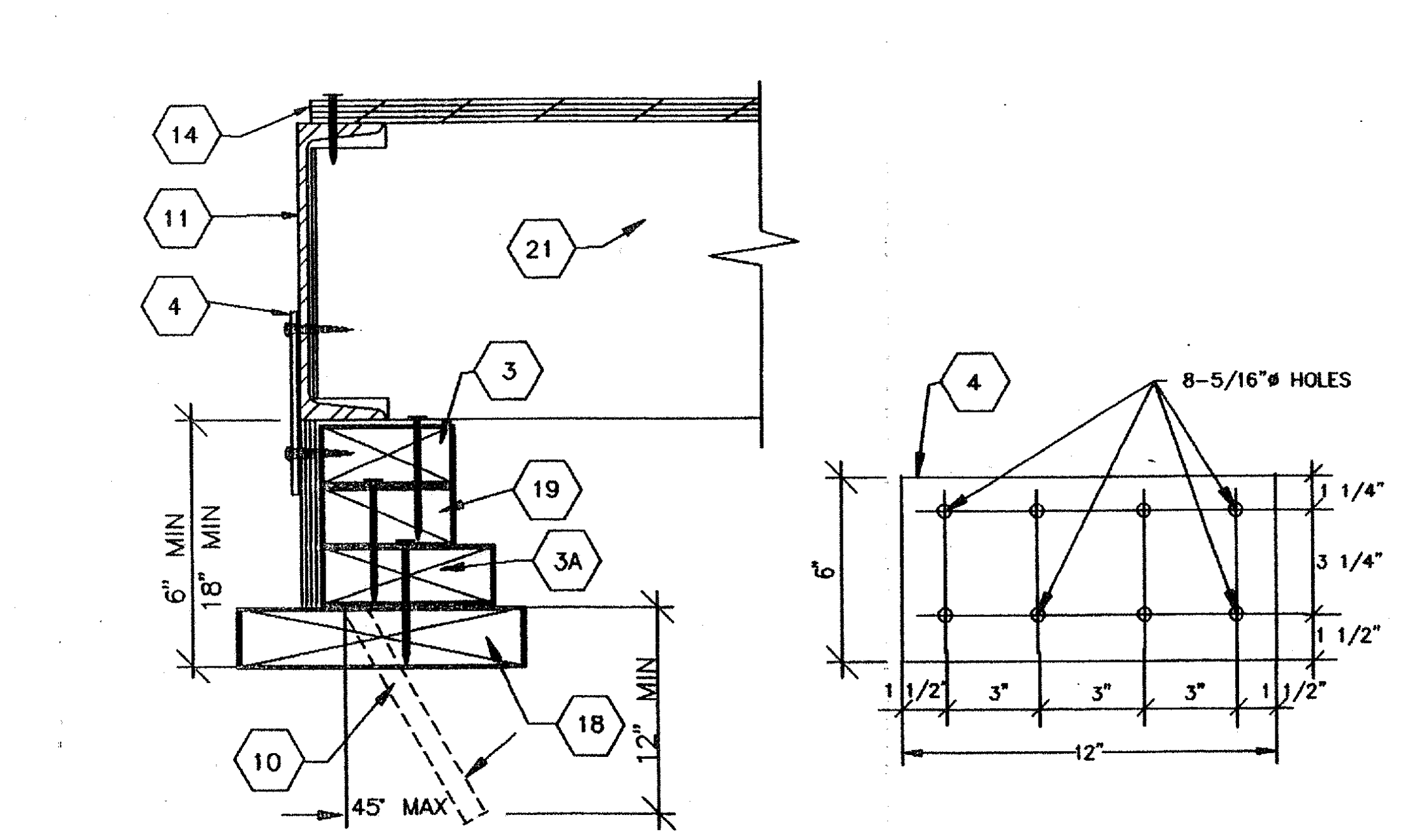
MULTI–WIDE FOUNDATION PLAN (N.T.S.)

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

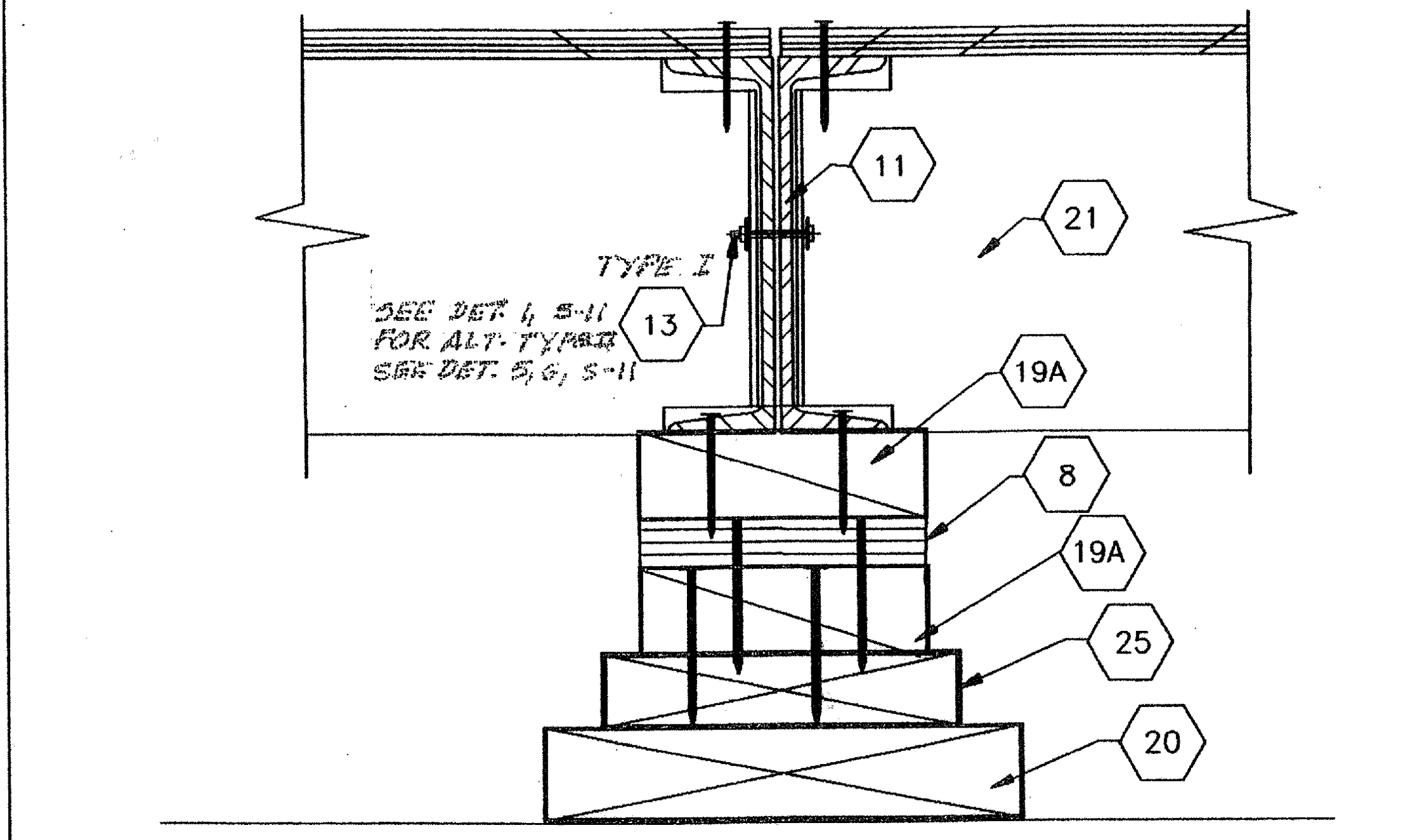


FOUNDATION PLAN @ ADJACENT BUILDING (N.T.S.)

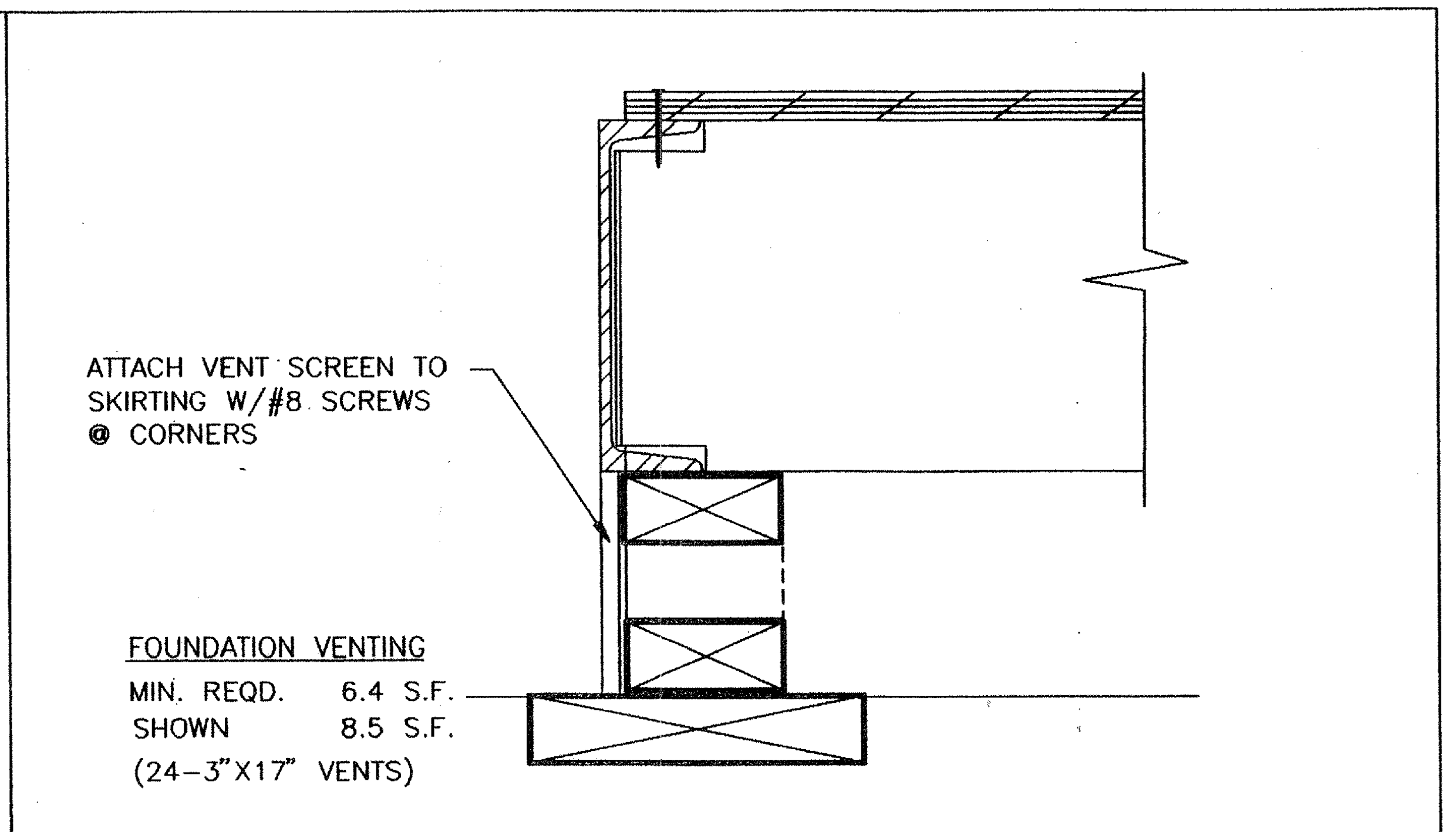
50 P.S.F. FLOOR LIVE LOAD
20 PSF ROOF LOAD



FOUNDATION AT SIDEWALL 1



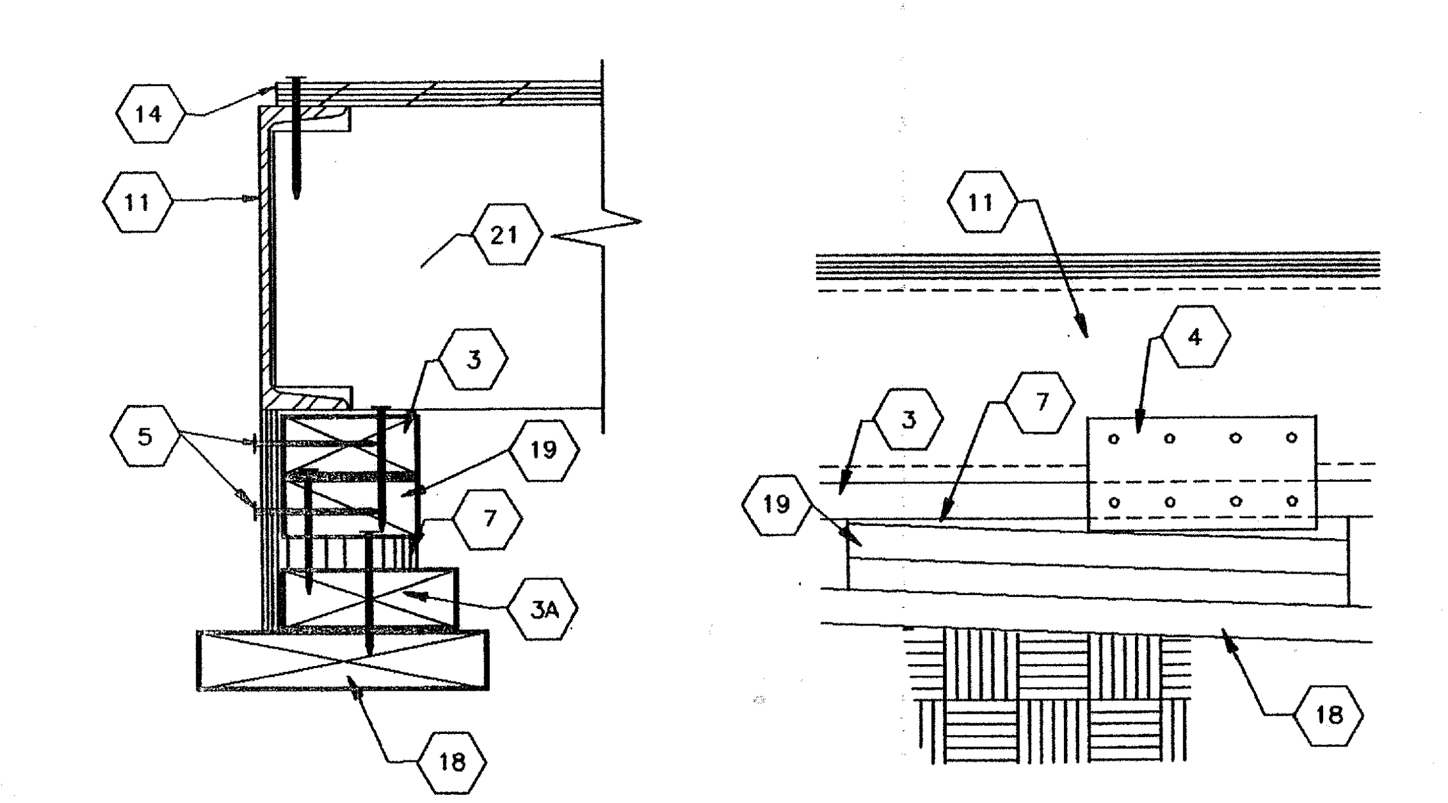
FOUNDATION AT MOD LINE 3



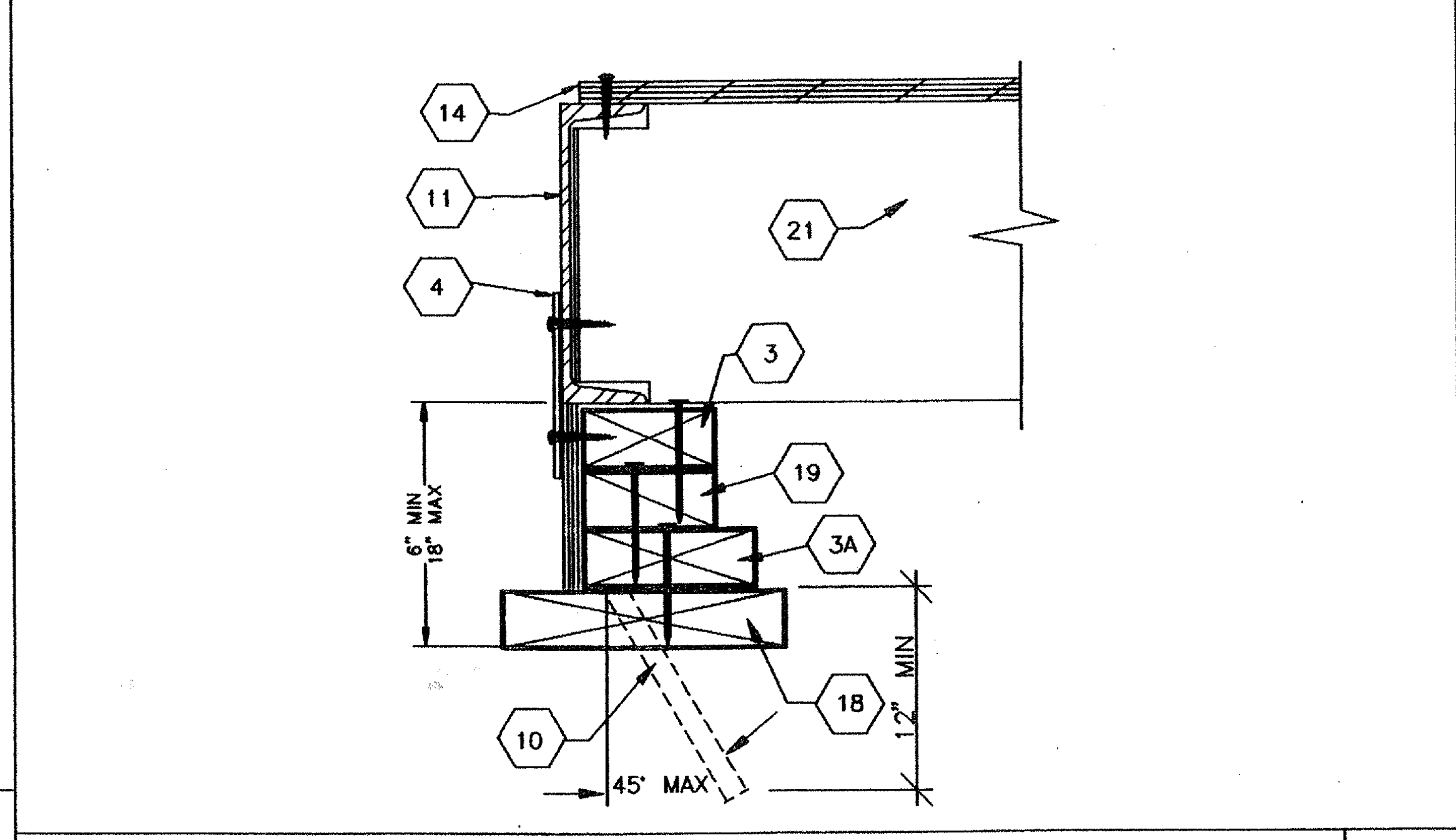
FOUNDATION VENTING

MIN. REQD. 6.4 S.F.
SHOWN 8.5 S.F.
(24–3"X17" VENTS)

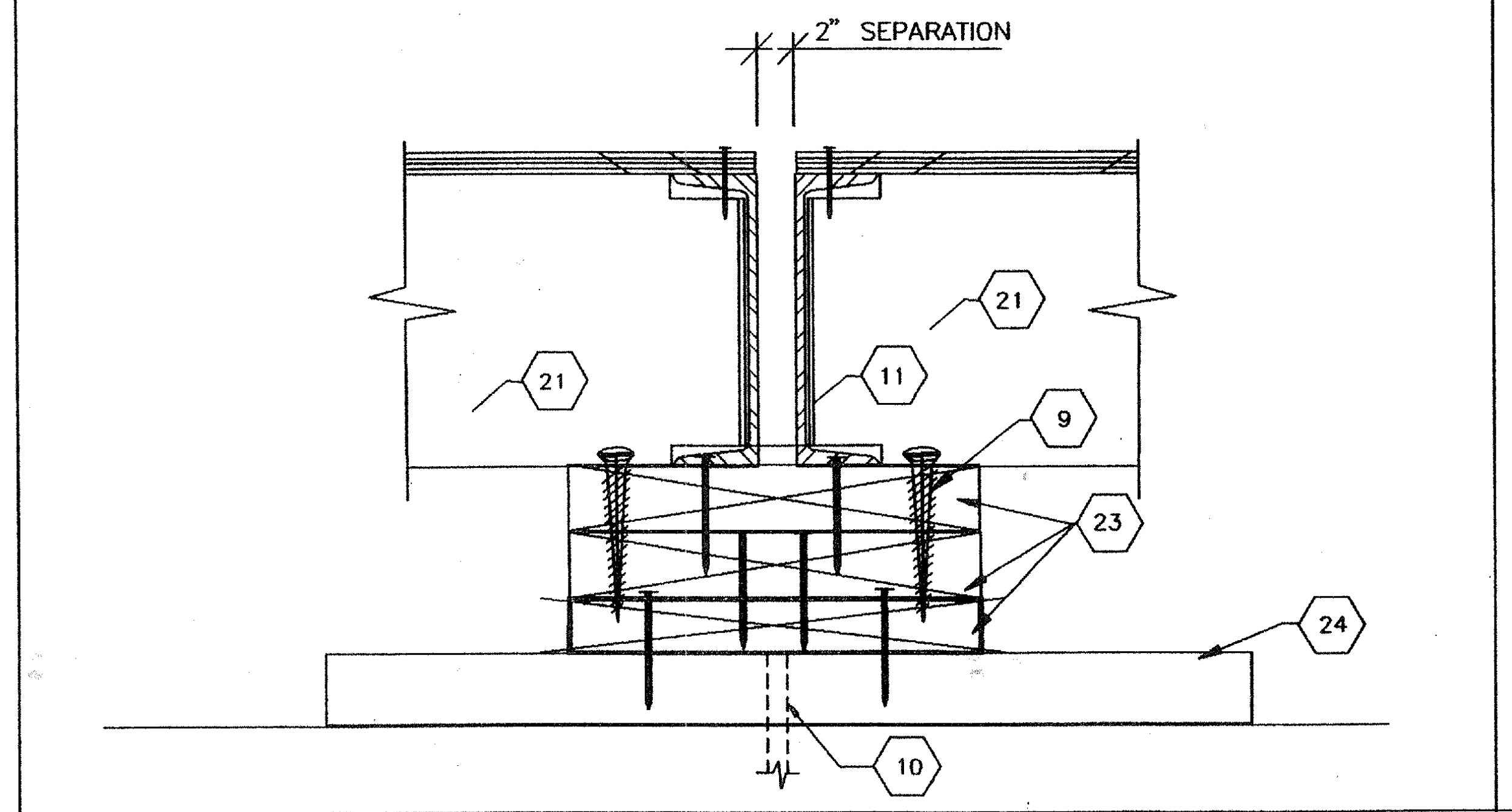
FOUNDATION VENTING 5



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 GRAND 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.

3A 2X6 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 (4) 1/4"X 3" LAG BOLTS.

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 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 CONNECTIONS 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)

20 CONTINUOUS 2X12 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X4 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 2X4 BLOCK LOCATIONS.

LAG SCHEDULE–20 PSF ROOF

BUILDING SIZE	FLOOR LOAD	LAG BOLTS AT EA. BUILDING
24'x40'	50 PSF	4
	70 PSF	4
	100 PSF	4
	125 PSF	4
36'x40'	50 PSF	4
	70 PSF	4
	100 PSF	4
	125 PSF	6
48'x40'	50 PSF	6
	70 PSF	6
	100 PSF	6
	125 PSF	8

FACE PLATE SCHEDULE–20 PSF ROOF

BUILDING SIZE	FLOOR LOAD	FACE PLATES AT SIDES	FACE PLATES AT ENDS
24'x40'	50 PSF	4	7
	70 PSF	4	7
	100 PSF	4	7
	125 PSF	7	7
36'x40'	50 PSF	6	7
	70 PSF	6	7
	100 PSF	6	7
	125 PSF	10	10
48'x40'	50 PSF	8	7
	70 PSF	8	7
	100 PSF	8	7
	125 PSF	13	13

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APP: 03-126270 INC:
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DATE: 09/17/2026

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MSI
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920 CITRUS AVE. RIVERSIDE, CALIFORNIA. 92507
PHONE: (909) 788–3035 FAX: (909) 788–1523

PC–362

STRUCTURAL ENGINEERS STAMP

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

STATE AGENCY APPROVAL

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

TITLE
WOOD FOUNDATION

JOB #

DATE 9–24–97

DRAWN BY R.D.L.

SCALE NONE

APPROVED

REVISIONS

SHEET NO.
35-F-1

BUILDING CODES AND STANDARDS

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE VOLUMES 1, 2 AND 3 (PART 2 TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR) (2000 EDITION IAMPO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

BUILDING DATA

OCCUPANCY:	E-2
TYPE OF CONSTRUCTION:	V-NON RATED
WIND LOAD:	80 M.P.H. EXPOSURE 'C'
FLOOR LIVE LOAD:	50 PSF
ROOF LIVE LOAD:	20 PSF
BUILDING AREA:	24'x40'=960 SQ. FT.
STRUCTURAL DESIGN:	RIGID FRAME WITH CLEAR SPAN TRUSS
MODULES:	12'x40'
SEISMIC ZONE:	4
SEISMIC NEAR SOURCE FACTORS:	Z=0.4, P=1.0, Ca=0.44xNa, Na=1.5 REDUCED TO 1.1 PER TITLE 24 SEC. 1629A.4.2 I=1.0, R=4.5, Cv=0.64xNv, Nv=2.0
ENERGY COMPLIANCE:	CLIMATE ZONE 1 THRU 16

NOTES:

THIS P.C. IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.

THIS P.C. IS NOT APPROVED FOR 'A' OCCUPANCY USES.

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECT. 4-342, PART 1, TITLE 24, CCR.
MIN INSPECTOR CLASS 2.

REVISION SUMMARY LOG

REVISION	DATE	DESCRIPTION OF REVISION	SHEET #
1.	–	–	–

MANUFACTURED RELOCATABLE MODULAR BUILDINGS

~~STOCKPILE FOR (59) 24'x40'~~

PORTABLE DSA CLASSROOMS

PC 4-104778

WILLSCOT
FROM STOCKPILE TO SITE SPECIFIC
RELOCATION PACKAGE
BAKERSFIELD SD - CESAR CHAVEZ ES
(x1) 24x40 L.H. CLASSROOM BLDG
Sn: 2AH10230-31

MSI

MODULAR STRUCTURES
INTERNATIONAL Inc.

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

BUILDING 36

DRAWING INDEX

SHEET NO.	ARCHITECTURAL	SHEET NO.	
36-CS	COVER SHEET, BLDG DATA, SHEET INDEX		
G-1	GENERAL NOTES & SPECIFICATIONS		
G-2	CONSTRUCTION NOTES, BLDG. MATERIALS, DOOR, WINDOW & FINISH SCHEDULES		
~~G-3~~	~~STANDARD ARCHITECTURAL PLUMBING DETAILS~~		
~~G-4~~	~~STANDARD ARCHITECTURAL DETAILS~~		
	~~FLOOR PLAN #1~~		
~~A-1-24~~	~~24'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS & ROOF PLAN~~		
~~A-2-24~~	~~24'x40' INTERIOR ELEVATIONS~~		
~~A-3-24~~	~~24'x40' REFLECTED CEILING PLAN & DETAILS~~		
~~M-1-24~~	~~24'x40' MECHANICAL PLAN~~		
~~E-1-24~~	~~24'x40' ELECTRICAL LIGHTING/POWER PLAN & FIRE ALARM~~		
	FLOOR PLAN #2		
36-A-1.1-24	24'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS & ROOF PLAN		
A-2.1-24	24'x40' INTERIOR ELEVATIONS		
A-3.1-24	24'x40' REFLECTED CEILING PLAN & DETAILS		
M-1.1-24	24'x40' MECHANICAL PLAN		
E-1.1-24	24'x40' ELECTRICAL LIGHTING/POWER PLAN & FIRE ALARM		
	STRUCTURAL		
~~S-1~~	~~GENERAL NOTES & SPECIFICATIONS~~		
S-5	RIGID FRAME SECTIONS & DETAILS, DUAL SLOPE W/ LIGHT GA. SIDEWALL		
S-10	FLOOR FRAMING PLAN & DETAILS W/ PLYWOOD FLOOR (80 & 90 MPH WIND)		
S-21	EXTERIOR WALL FRAMING ELEVATIONS (STEEL STUDS 80 & 90 MPH WIND)		
~~S-25~~	~~STEEL STUD WALL FRAMING DETAILS (80 & 90 MPH WIND)~~		
36-S-30	WOOD STUD WALL FRAMING DETAILS (80 MPH WIND)		
S-41	ROOF FRAMING PLAN W/ 22 GA. ROOF (80 & 90 MPH WIND)		
36-S-51	ROOF FRAMING DETAILS W/ 22 GA. ROOF (80 & 90 MPH WIND)		
36-S-60	DUAL SLOPE TRUSS & DETAILS 20 PSF ROOF (80 MPH WIND)		
~~R-1~~	~~RAMP FRAMING PLAN & DETAILS (4'-0" WIDE RAMP)~~		
	FOUNDATION		
36-F-1	WOOD PAD FOUNDATION & DETAILS (50 PSF FLOOR, 20 & 30 PSF ROOF) W/ PLYWOOD FLOOR (80 MPH WIND)		
~~F-1.1~~	~~WOOD PAD FOUNDATION & DETAILS (50+20 PSF FLOOR, 20 & 30 PSF ROOF)~~ ~~W/ PLYWOOD FLOOR (80 MPH WIND)~~		
~~F-2~~	~~CONCRETE FOUNDATION PLAN ABOVE GRADE W/ PLYWOOD FLOOR~~ ~~(80 & 90 MPH WIND)~~		
~~F-2.1~~	~~CONCRETE FOUNDATION DETAILS ABOVE GRADE W/ PLYWOOD FLOOR~~ ~~(80 & 90 MPH WIND)~~		
~~F-4~~	~~CONCRETE FOUNDATION PLAN FLUSH W/ GRADE W/ PLYWOOD FLOOR~~ ~~(80 & 90 MPH WIND)~~		
~~F-4.1~~	~~CONCRETE FOUNDATION DETAILS FLUSH W/ GRADE W/ PLYWOOD FLOOR~~ ~~(80 & 90 MPH WIND)~~		

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

ARCHITECT STAMP

DATE SIGNED
JUL 15 2003

JAMES T. SIMPSON
No. 3602
LICENSE EXPIRES 6-30-2004

STRUCTURAL ENGINEER STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105453
AC FLS SS
DATE JUL 17 2003

Ac: A.M. Smith
Flo: [illegible]
SS: S. Ferrer

STATE AGENCY STAMP

PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4-104778
AC FLS SS
DATE: 5-30-03

STATE AGENCY STAMP

PROJECT
MODULAR CLASSROOM BUILDING

TITLE
COVER SHEET

JOB #	03-1012 03-1014
DATE	7/8/03
DRAWN BY	JAG
	AS NOTED
APPROVED	
REVISIONS	

SHEET NO.
36-CS

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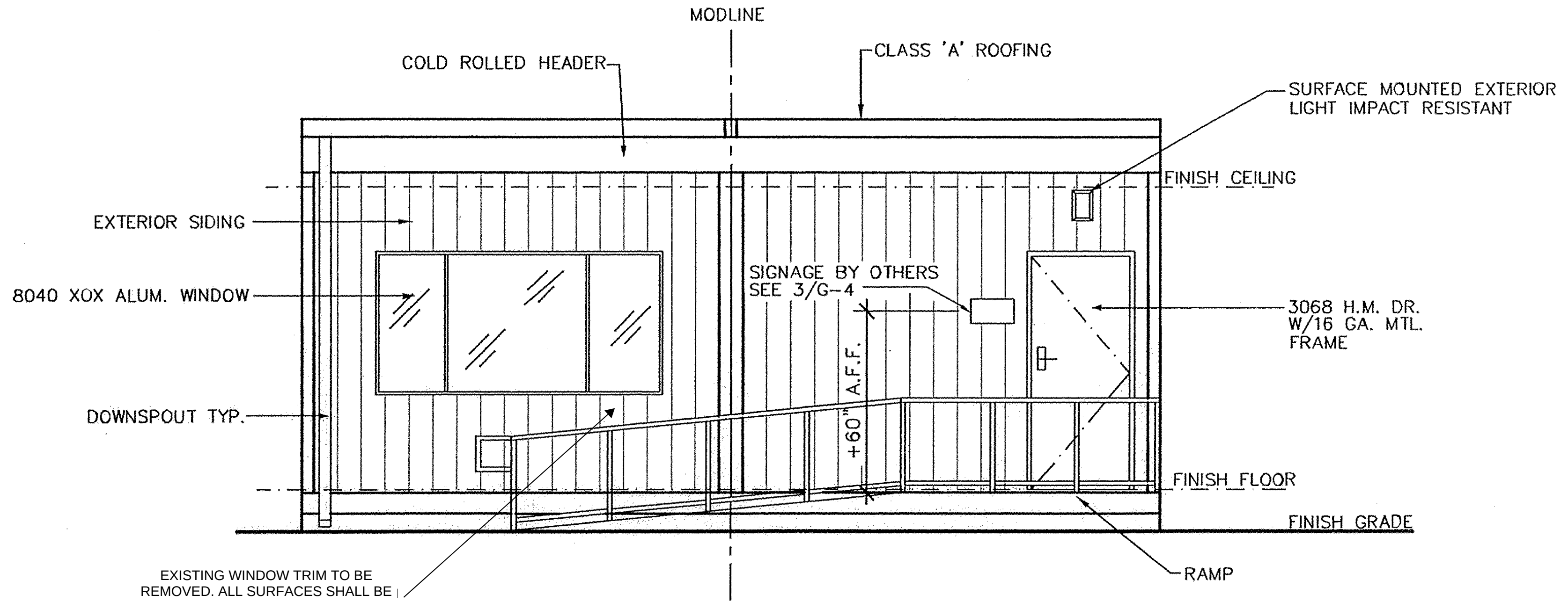
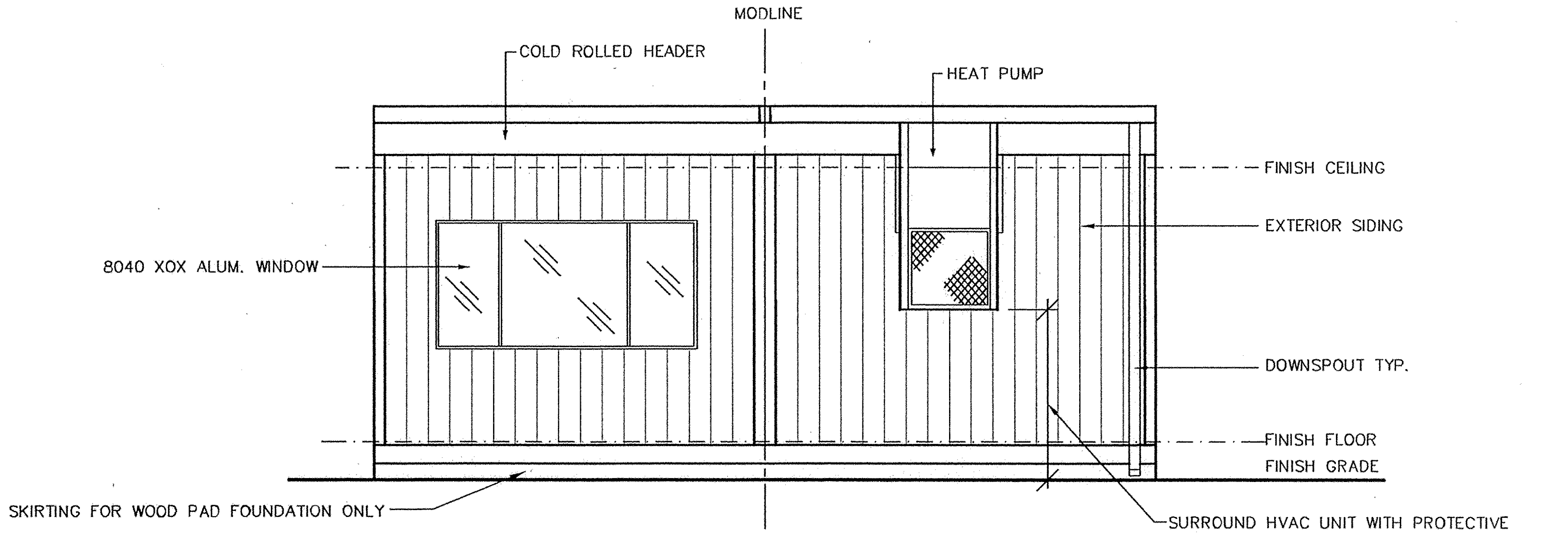
DATE: 09/17/2026



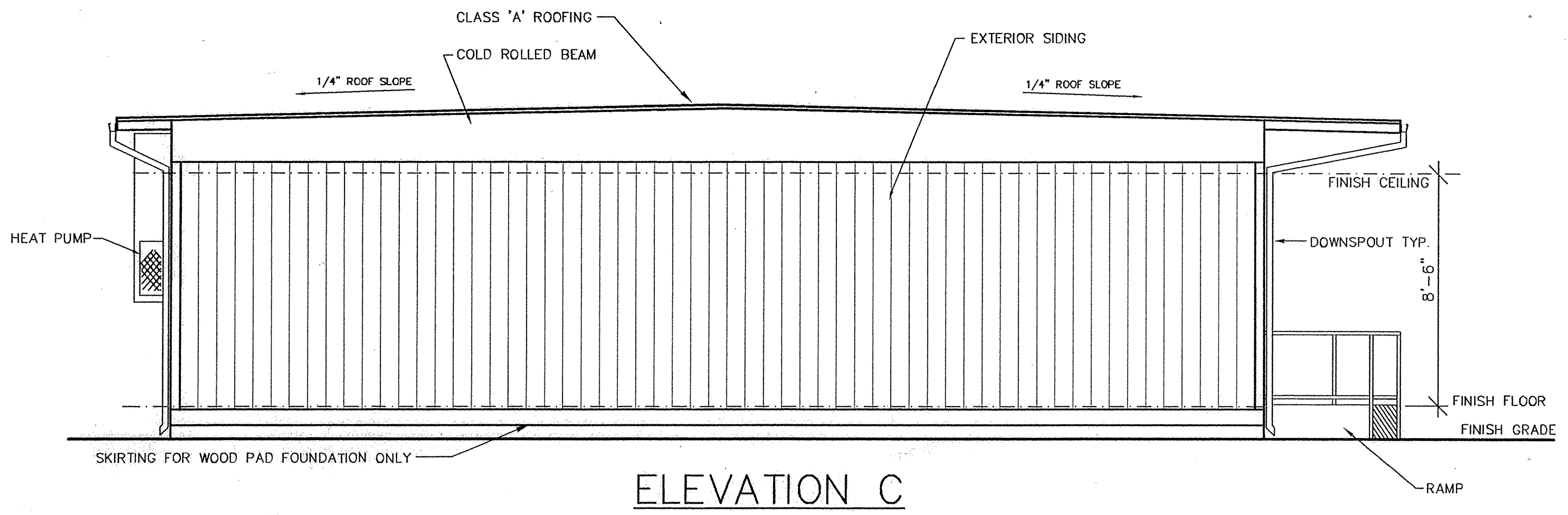
EXISTING WINDOW TRIM TO BE REMOVED. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8

ELEVATION A

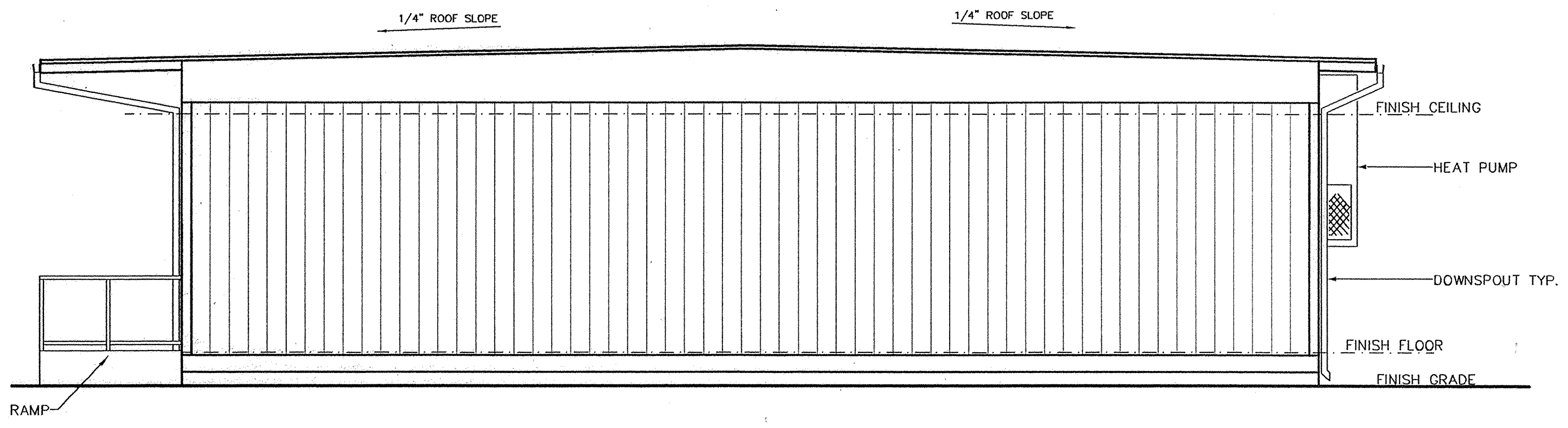


SURROUND HVAC UNIT WITH PROTECTIVE RAILING IF LOCATED IN A PEDESTRIAN WALKWAY IF GREATER THAN 27" HEIGHT FROM FINISH GRADE FURNISHED AND INSTALLED BY OTHERS ONSITE.

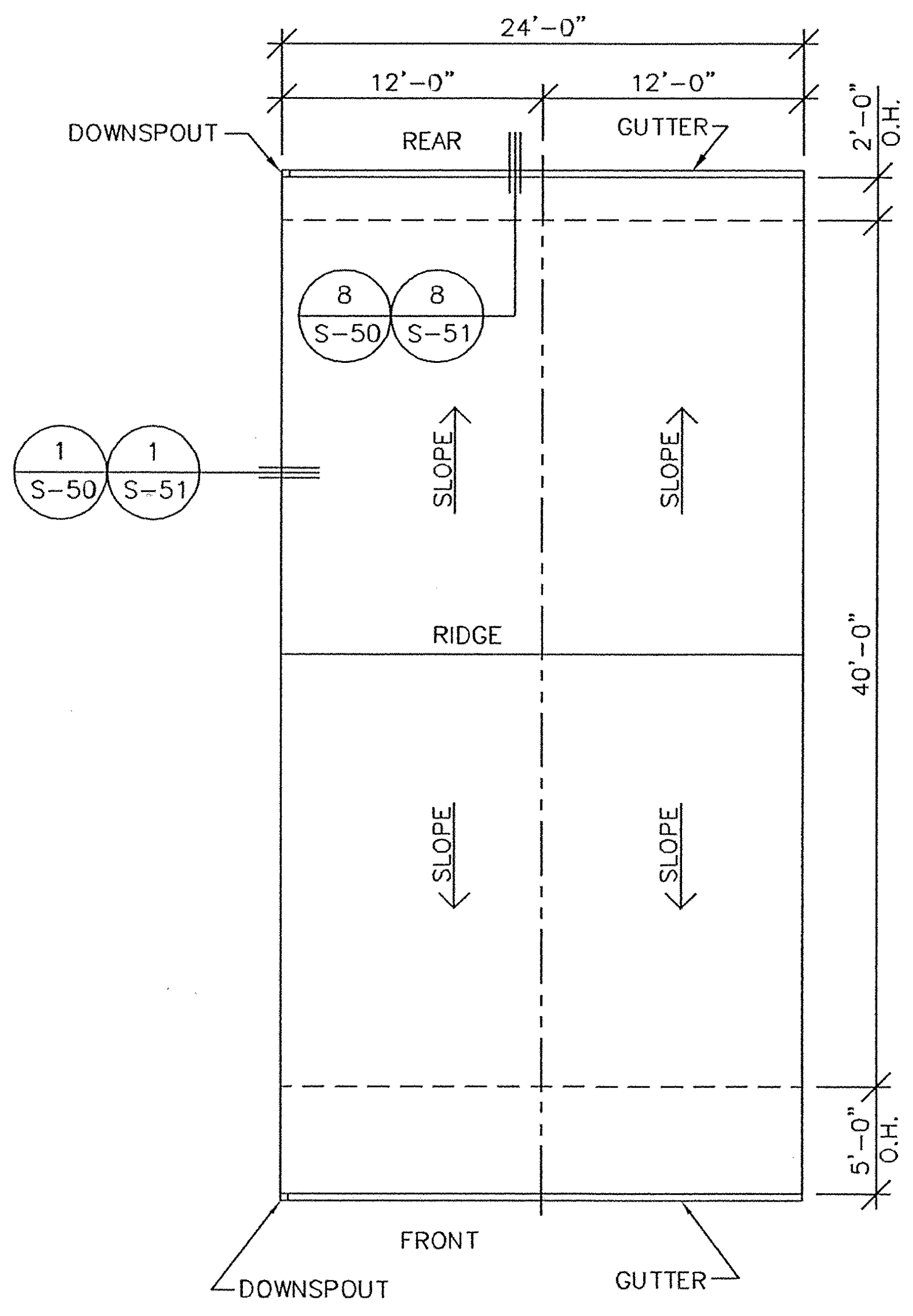
ELEVATION B



ELEVATION C



ELEVATION D



DUAL PITCH ROOF PLAN

SEE SHEET G-2 FOR ROOFING MATERIALS

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

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

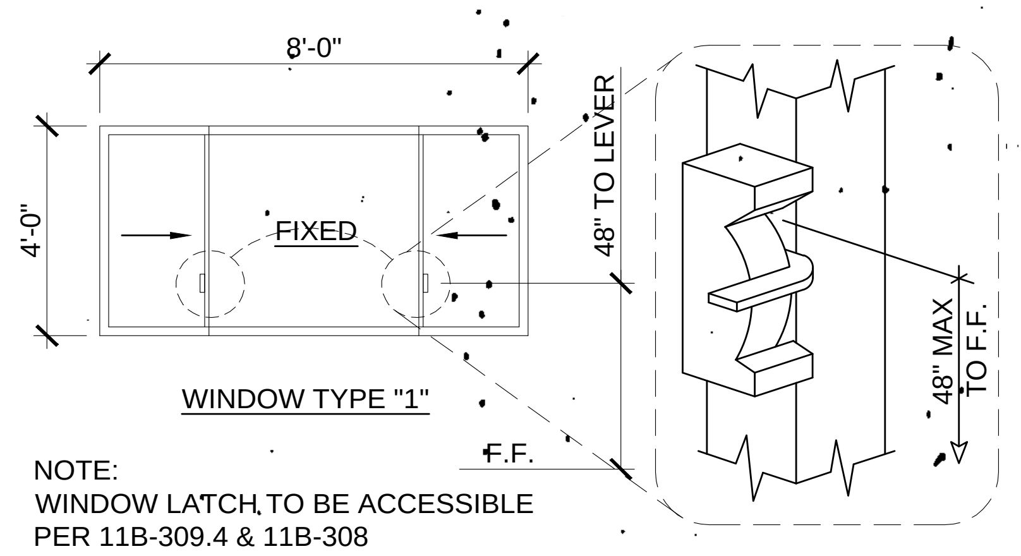
NOTE:
FLOOR PLAN SHOWN IS 'B' BUILDING 'A' BUILDING IS OPPOSITE HANDED

LEGEND

- INDICATES DOOR TYPE, SEE SHEET G-2
- INDICATES HARDWARE TYPE, SEE SHEET G-2
- Ⓐ INDICATES WINDOW TYPE– SEE SHEET G-2
- DETAIL #
- SHEET #

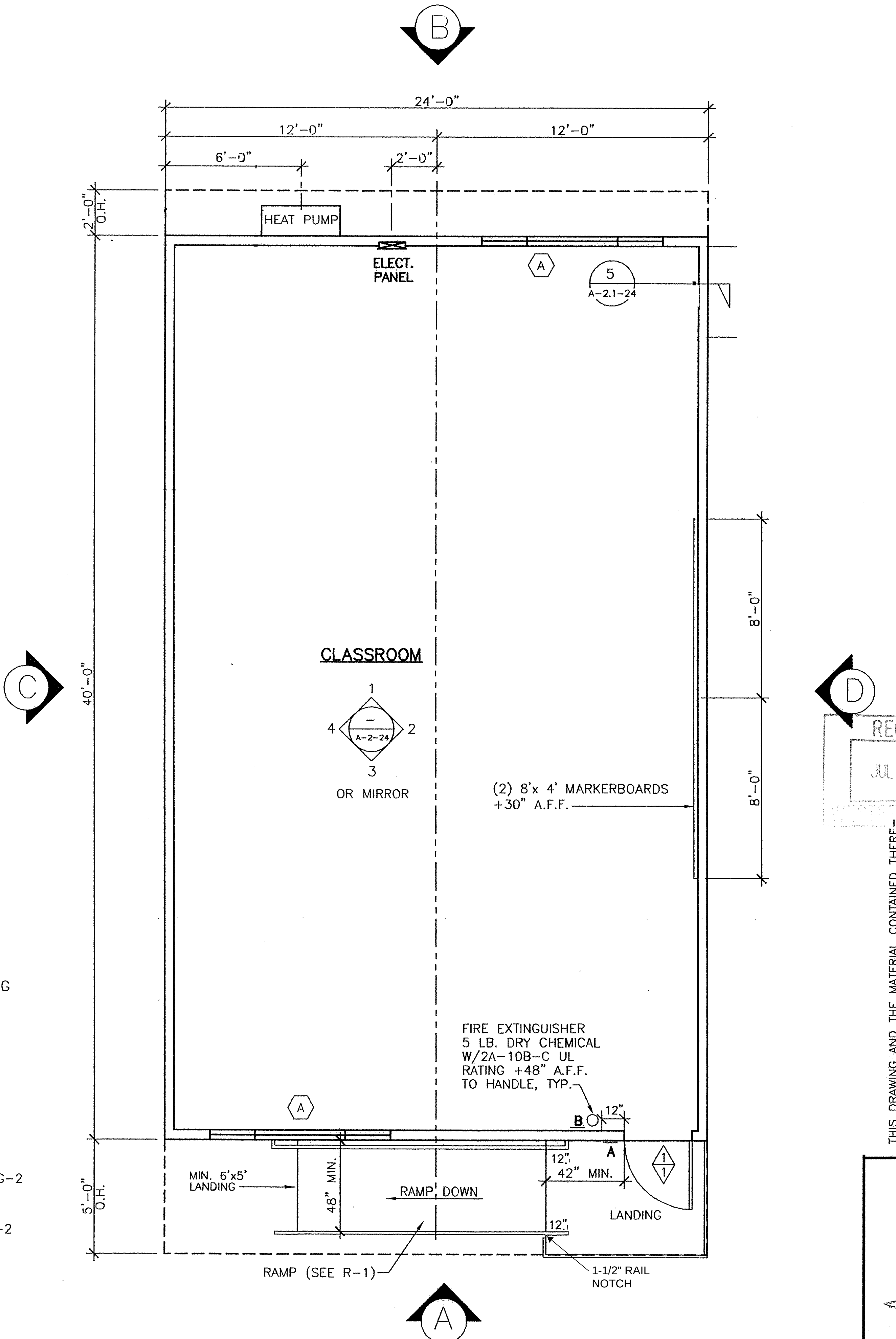
SIGNAGE LEGEND:

REFER TO ARCHITECTURAL SET FOR SIGNAGE REQUIREMENTS - ALL SIGNAGE PROVIDED BY DISTRICT (OTHERS).



WINDOW TYPE "1"

NOTE:
WINDOW LATCH TO BE ACCESSIBLE PER 11B-309.4 & 11B-308
(@ ONE WINDOW ONLY)



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DIVISION

FLOOR PLAN #2

1/4"=1'-0"

~~BUILDING TO BE AS SHOWN~~
BUILDING TO BE MIRRORED

NOTES:

1. MANUFACTURER SHALL MECHANICALLY ATTACH METAL TAG TO EXTERIOR OF BUILDING SHOWING DSA 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 CS PROVIDED AND INSTALLED BY OTHERS ONSITE.
5. ANY ROOM HAVING AN 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.
6. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 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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PROJECT 24'x40' MODULAR CLASSROOM BUILDING

TITLE 24'x40' FLOOR PLAN, EXTERIOR ELEVATIONS & ROOF PLAN (DUAL PITCH ROOF)

DATE SIGNED
JUL 15 2003

STRUCTURAL ENGINEER STAMP

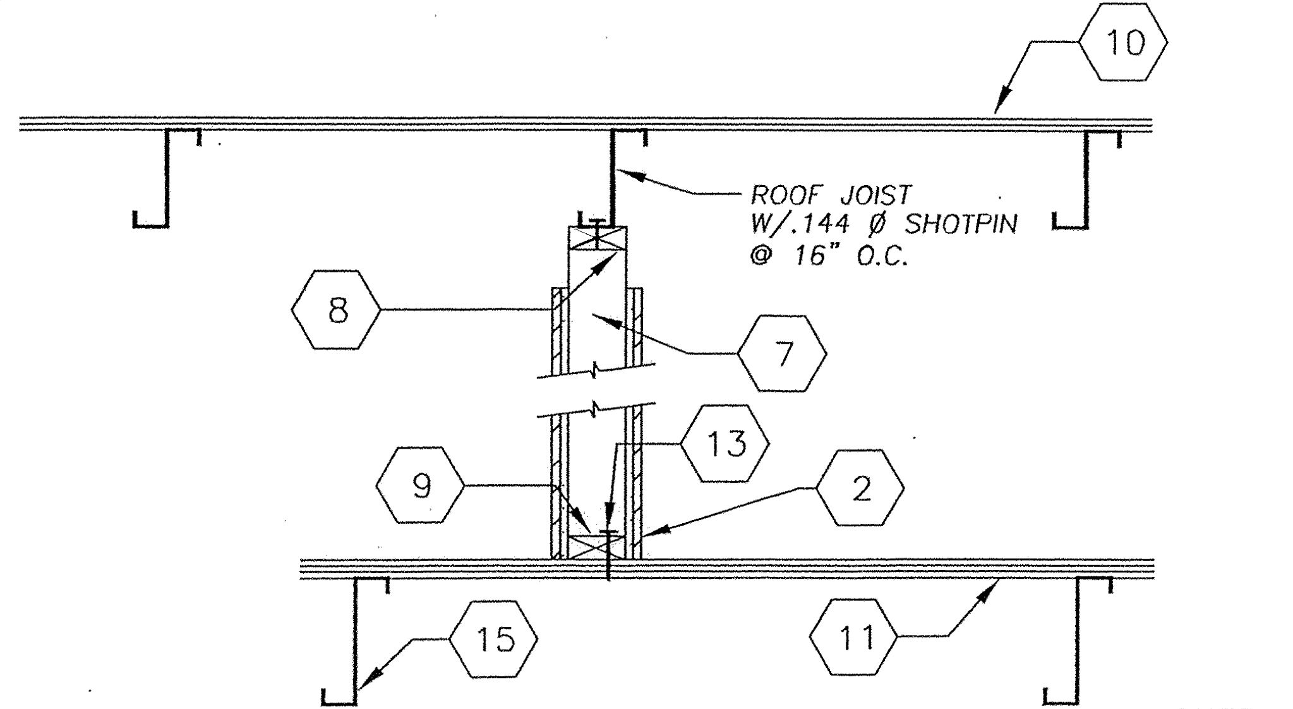
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105453
AC FLS SS
DATE JUL 17 2003

STATE AGENCY STAMP

STATE AGENCY STAMP

JOB #	03–1014
DATE	7/11/03
DRAWN BY	JAG
SCALE	1/4"=1'-0"
APPROVED	
REVISIONS	

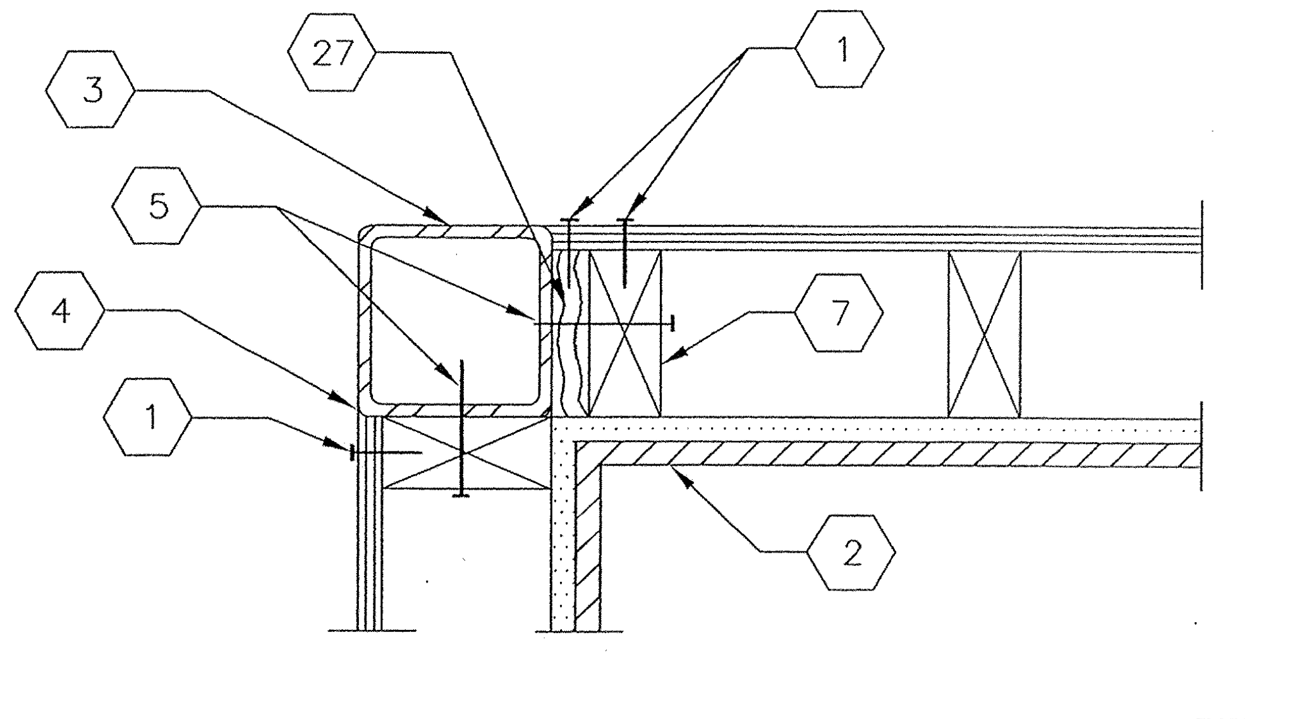
SHEET NO.
36-A-1.1-24



INTERIOR WALL ATTACHMENT

SCALE: 1" = 1-0"

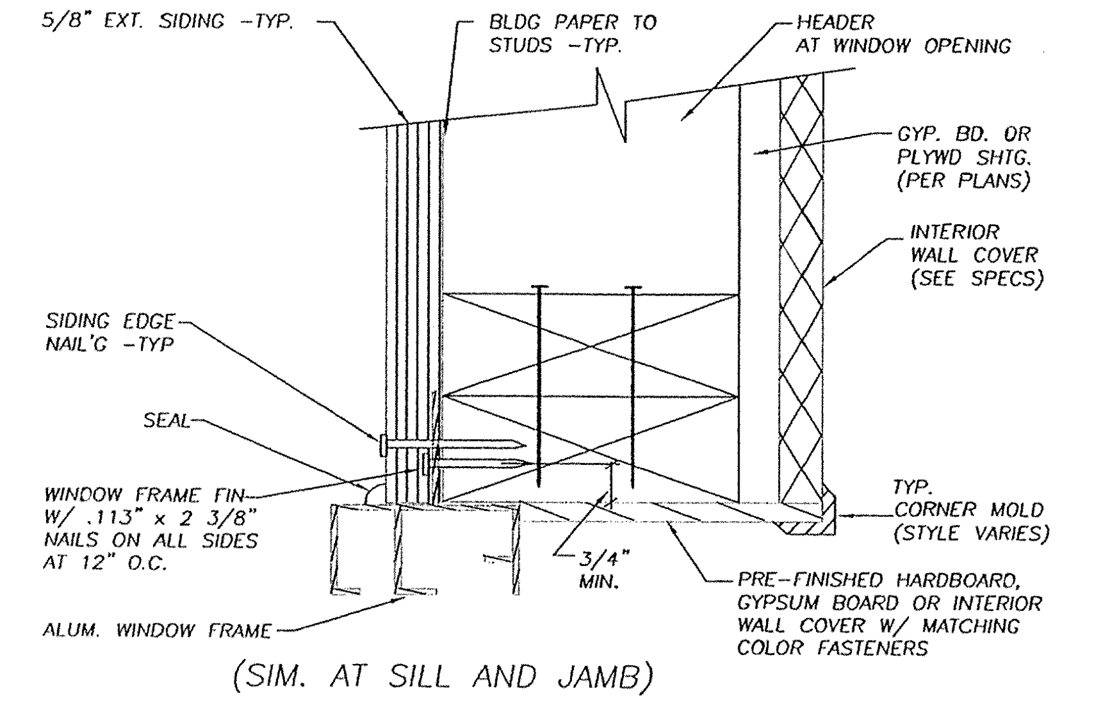
16



COLUMN AT CORNER

SCALE: 3" = 1-0"

11

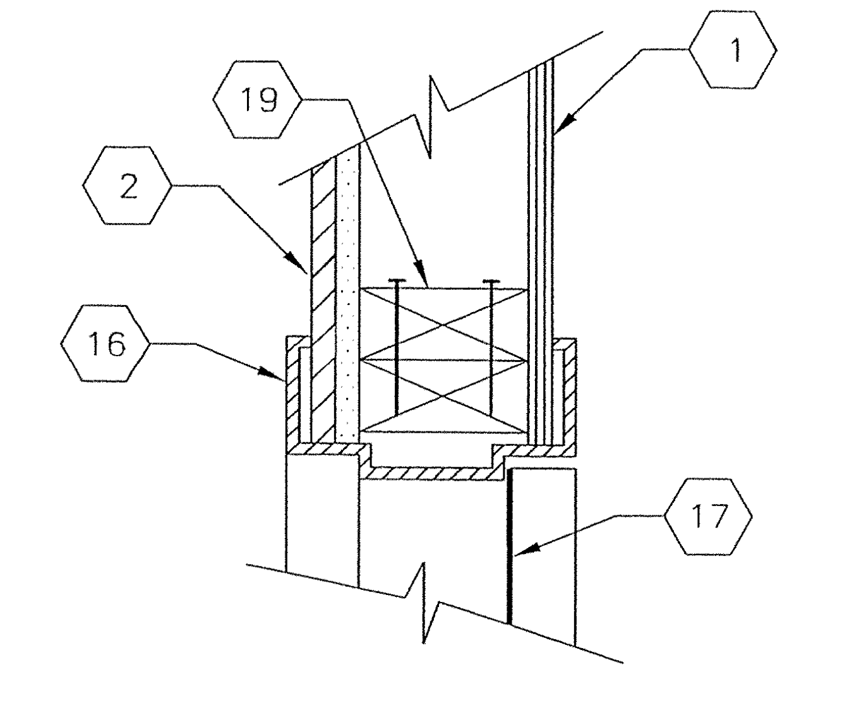

5/8" EXT. SIDING -TYP.
BLDG PAPER TO STUDS -TYP.
HEADER AT WINDOW OPENING
GYP. BD. OR PLYWD SHTG. (PER PLANS)
INTERIOR WALL COVER (SEE SPECS)
SIDING EDGE NAIL'G -TYP
SEAL
WINDOW FRAME FIN W/ .113" x 2 3/8" NAILS ON ALL SIDES AT 12" O.C.
3/4" MIN.
TYP. CORNER MOLD (STYLE VARIES)
PRE-FINISHED HARDBOARD, GYPSUM BOARD OR INTERIOR WALL COVER W/ MATCHING COLOR FASTENERS
ALUM. WINDOW FRAME

(SIM. AT SILL AND JAMB)

WINDOW HEADER

SCALE: N.T.S.

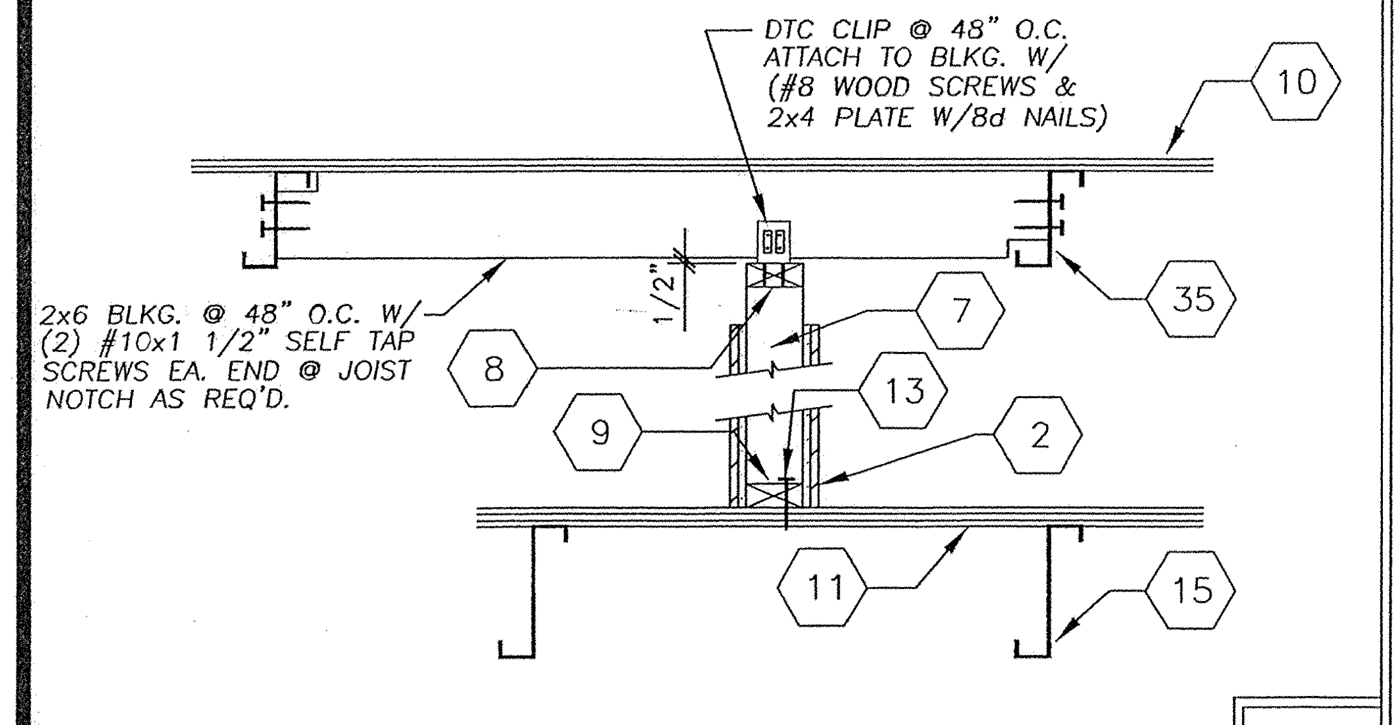
6



DOOR HEADER

SCALE: 3" = 1-0"

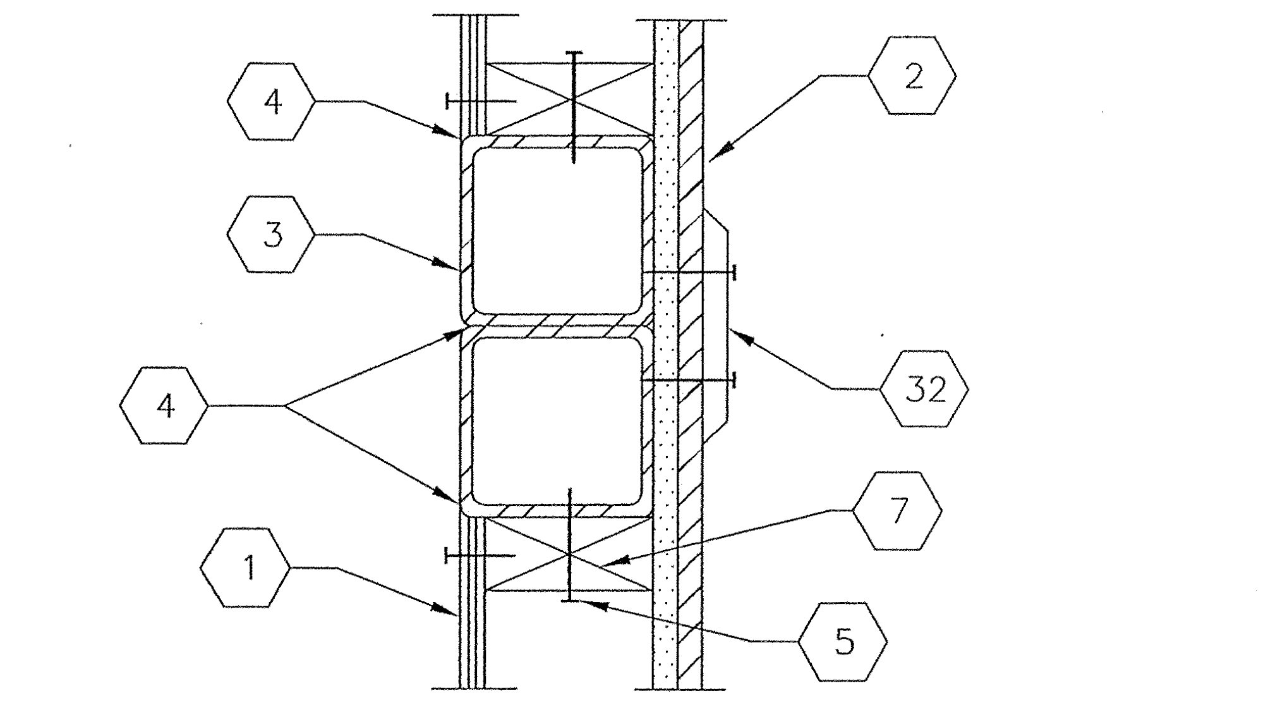
1


DTC CLIP @ 48" O.C. ATTACH TO BLKG. W/ (#8 WOOD SCREWS & 2x4 PLATE W/8d NAILS)
10
1/2"
2x6 BLKG. @ 48" O.C. W/ (2) #10x1 1/2" SELF TAP SCREWS EA. END @ JOIST NOTCH AS REQ'D.
7
35
8
13
9
2
11
15

INTERIOR WALL ATTACHMENT

SCALE: 1" = 1-0"

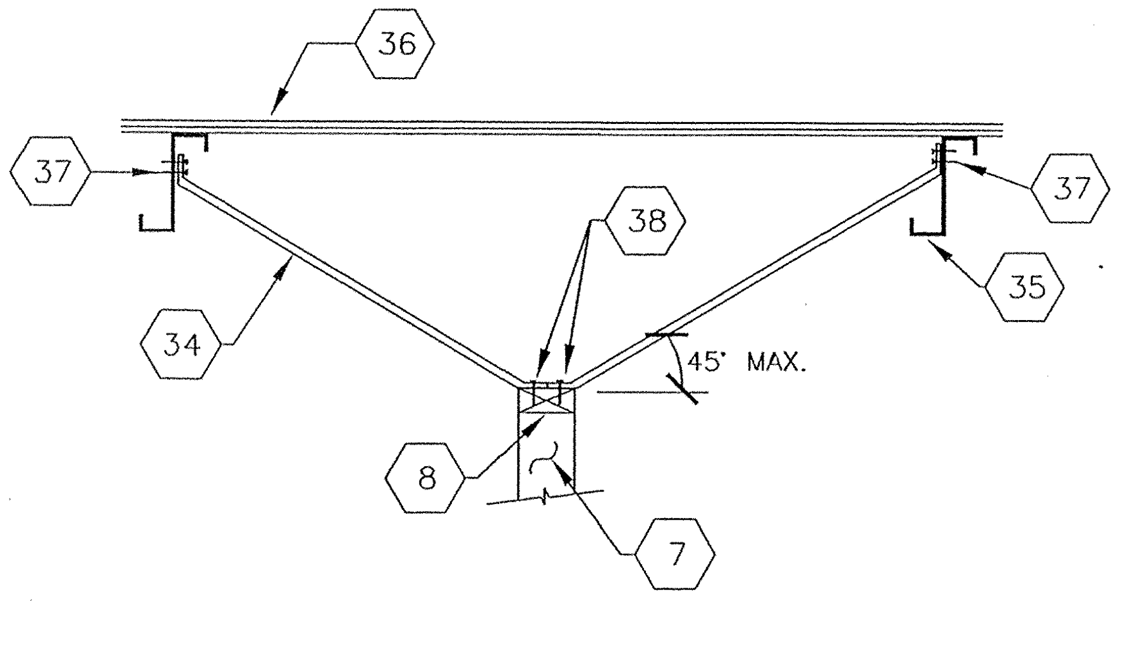
17



COLUMN AT MODULE LINE

SCALE: 3" = 1-0"

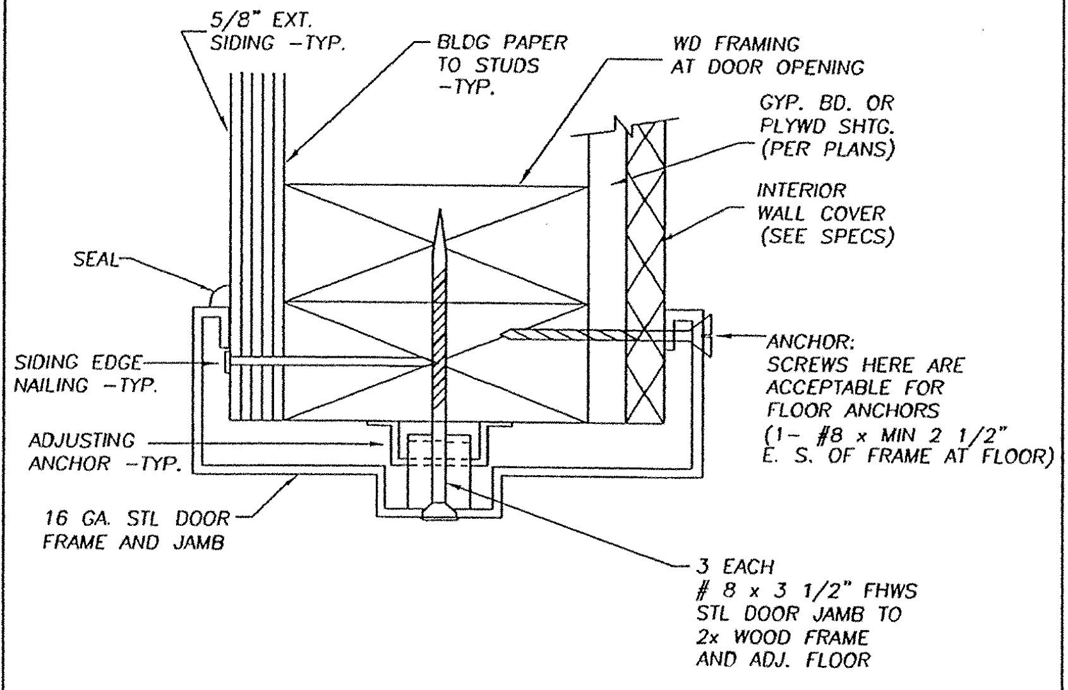
12



ALT. PARTITION CONN. PARELLEL

SCALE: 1" = 1-0"

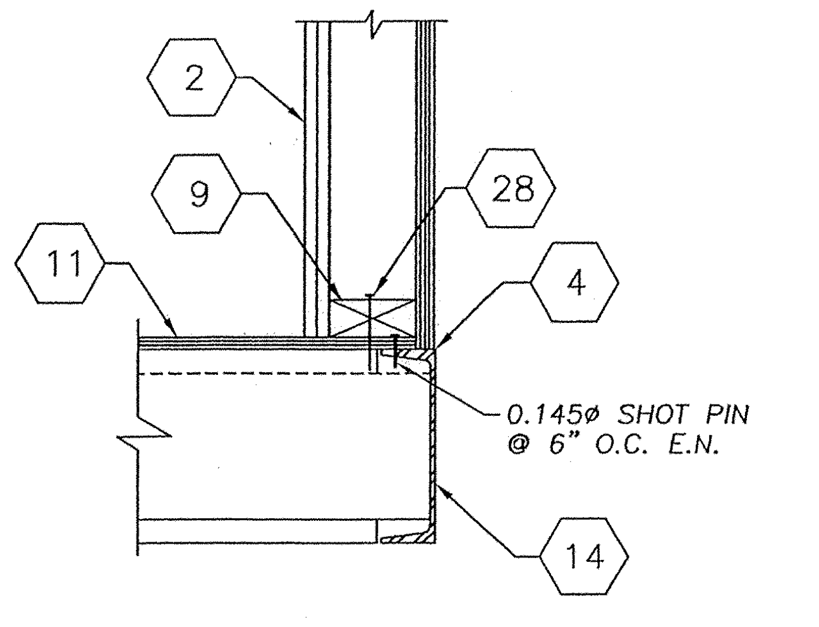
7


5/8" EXT. SIDING -TYP.
BLDG PAPER TO STUDS -TYP.
WD FRAMING AT DOOR OPENING
GYP. BD. OR PLYWD SHTG. (PER PLANS)
INTERIOR WALL COVER (SEE SPECS)
SEAL
SIDING EDGE NAILING -TYP.
ANCHOR: SCREWS HERE ARE ACCEPTABLE FOR FLOOR ANCHORS (1- #8 x MIN 2 1/2" E. S. OF FRAME AT FLOOR)
ADJUSTING ANCHOR -TYP.
16 GA. STL DOOR FRAME AND JAMB
3 EACH # 8 x 3 1/2" FHWS STL DOOR JAMB TO 2x WOOD FRAME AND ADJ. FLOOR

DOOR JAMB

SCALE: N.T.S.

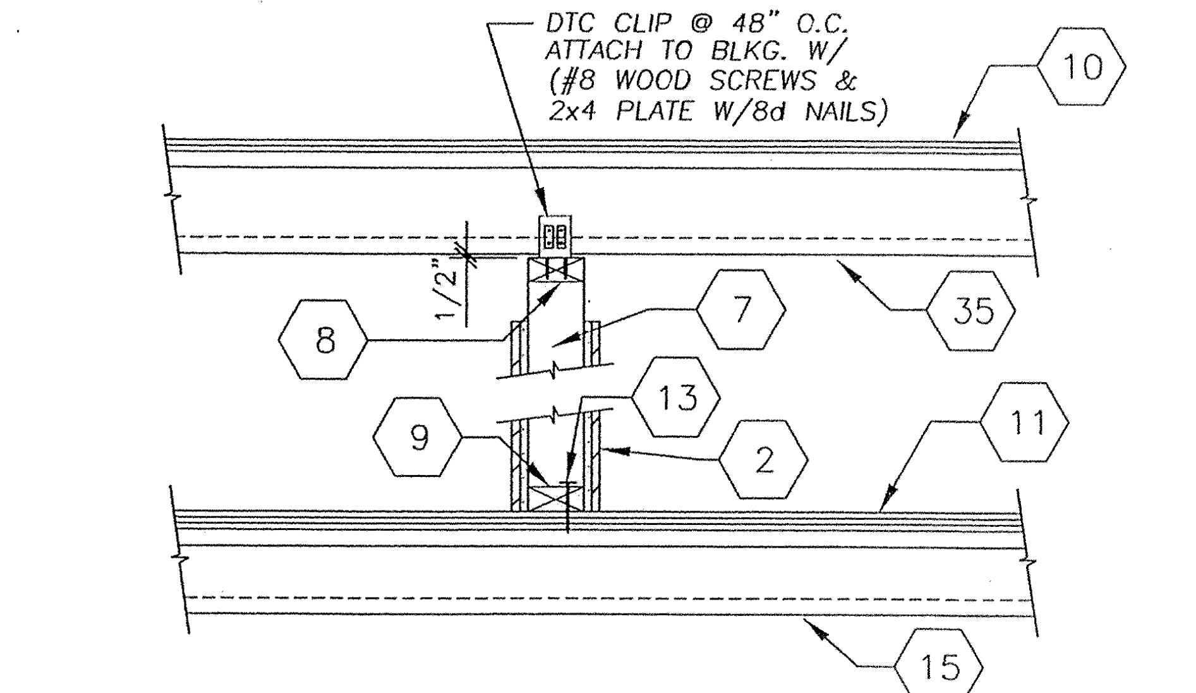
2



WALL @ FLOOR

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

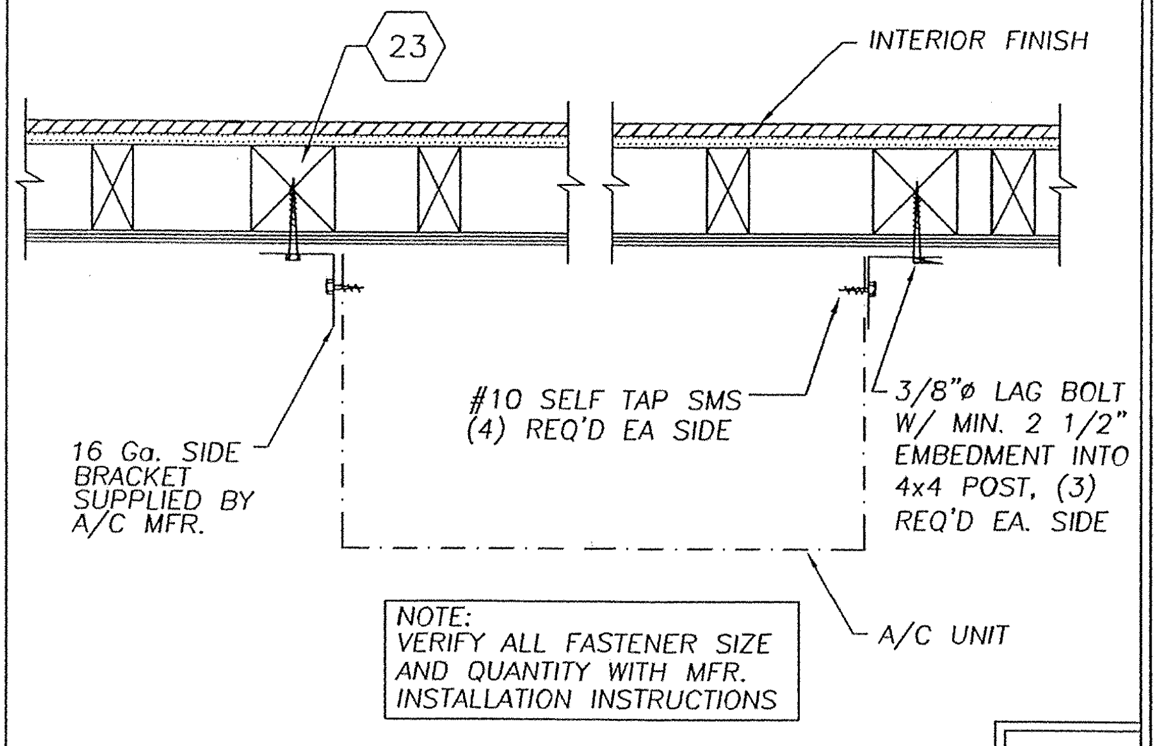
18


DTC CLIP @ 48" O.C. ATTACH TO BLKG. W/ (#8 WOOD SCREWS & 2x4 PLATE W/8d NAILS)
10
1/2"
8
7
35
13
9
2
11
15

INTERIOR WALL ATTACHMENT PERPINDICULAR TO ROOF PURLINS

SCALE: 1" = 1-0"

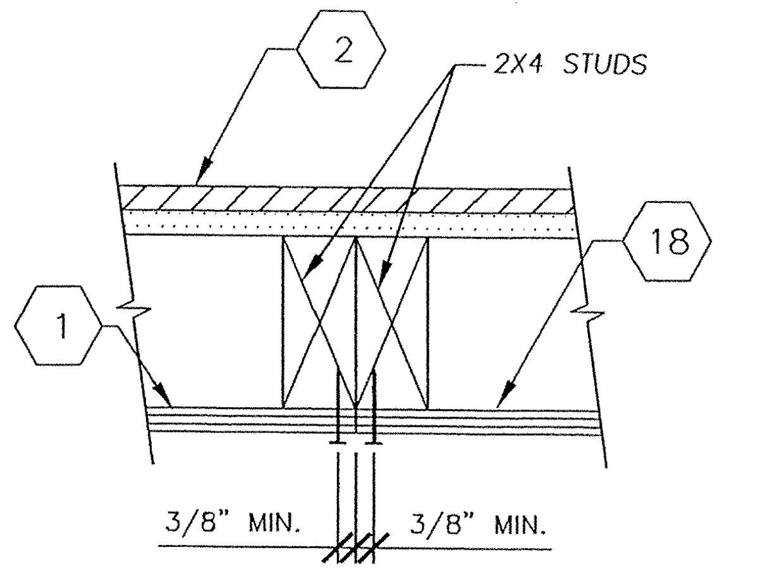
13


23
INTERIOR FINISH
16 Ga. SIDE BRACKET SUPPLIED BY A/C MFR.
#10 SELF TAP SMS (4) REQ'D EA SIDE
3/8"ø LAG BOLT W/ MIN. 2 1/2" EMBEDMENT INTO 4x4 POST, (3) REQ'D EA. SIDE
A/C UNIT

NOTE:
VERIFY ALL FASTENER SIZE AND QUANTITY WITH MFR. INSTALLATION INSTRUCTIONS

A/C MOUNTING DETAIL N.T.S.

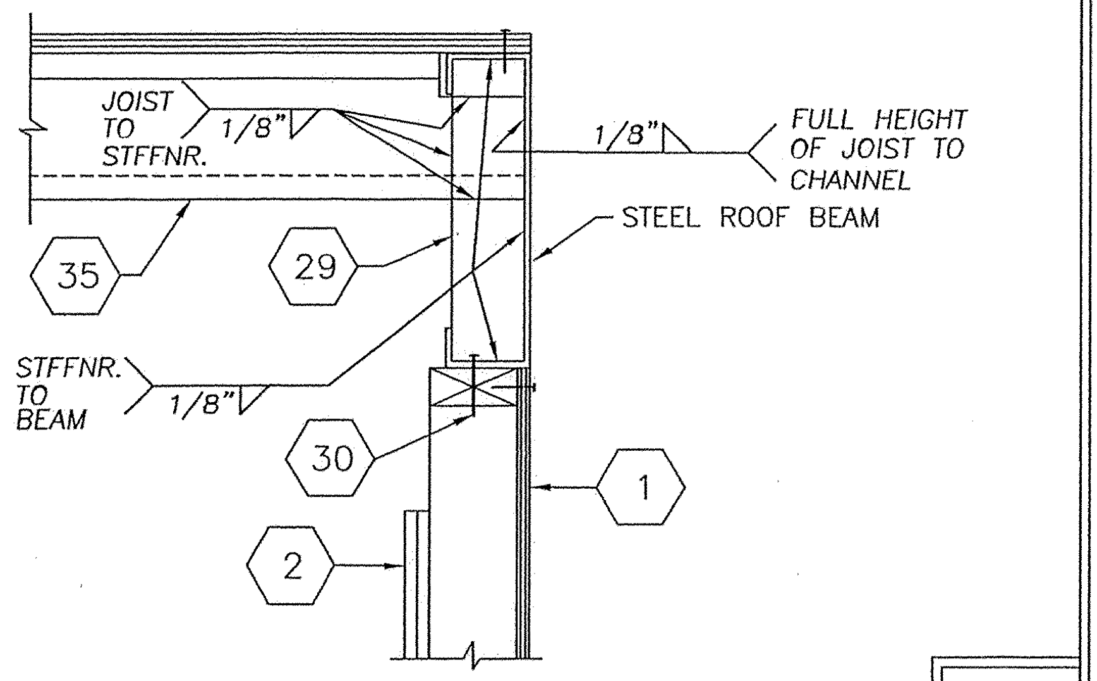
8



SIDING

SCALE: 3" = 1-0"

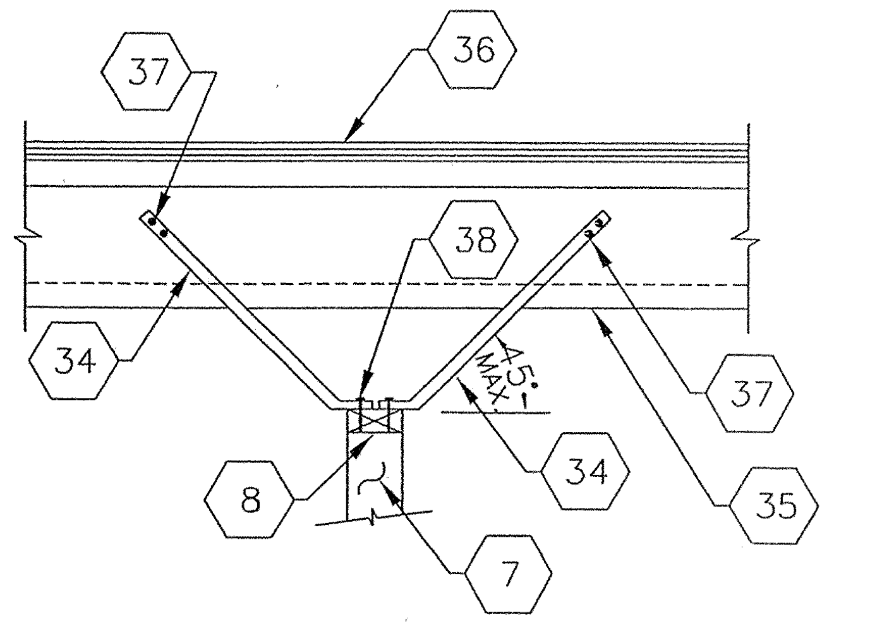
3



WALL @ ROOF BEAM

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

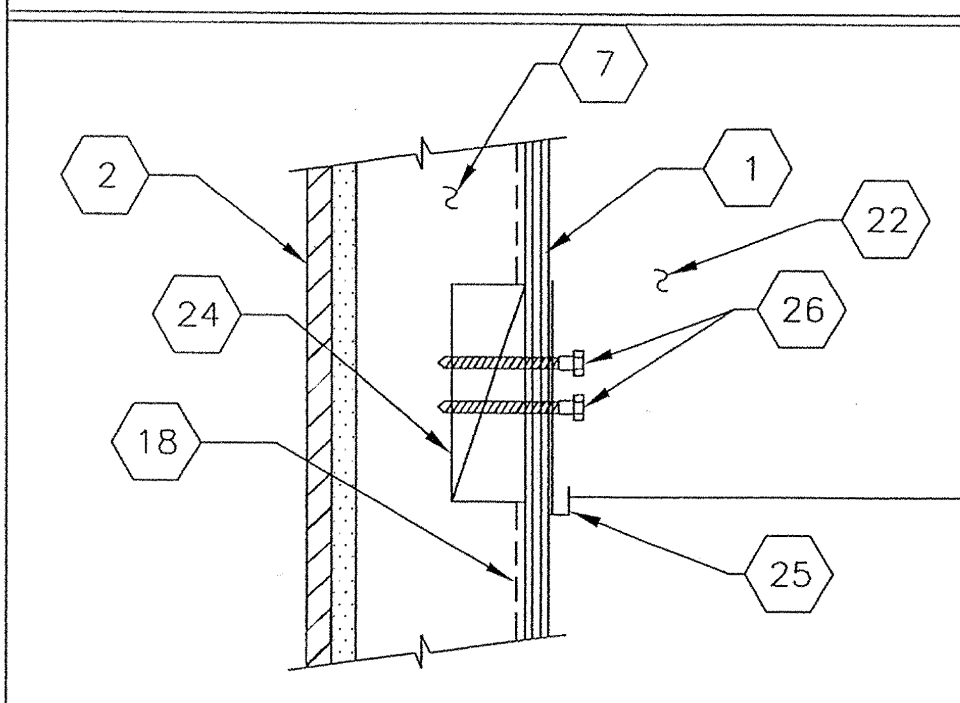
19



ALT. PARTITION CONN. PERP.

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

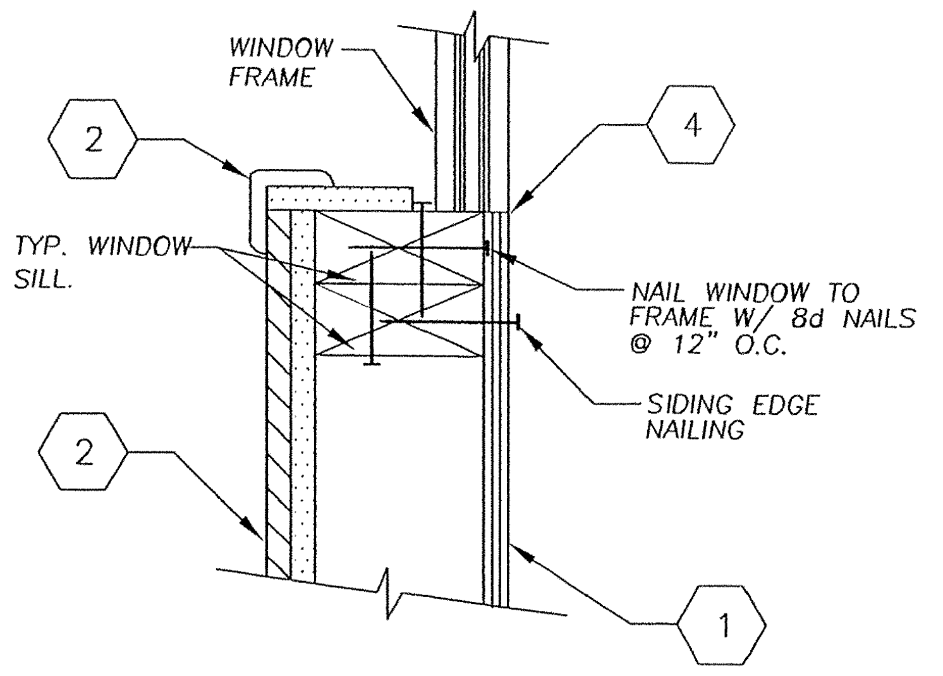
14



A/C @ BOTTOM

SCALE: 3" = 1-0"

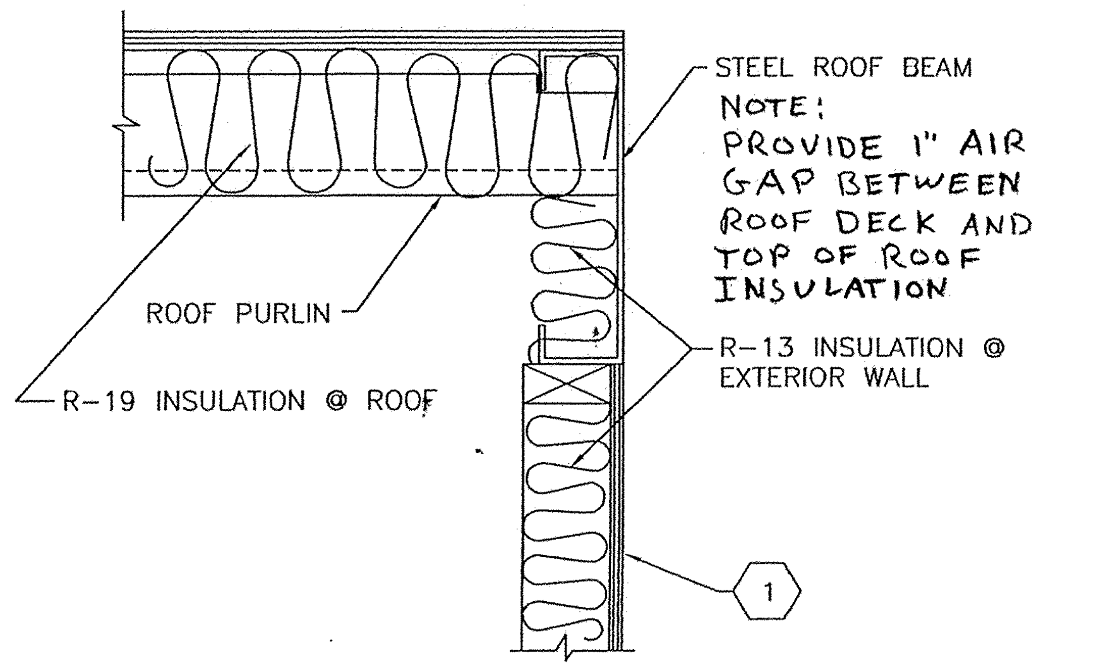
9



WINDOW SILL

SCALE: 3" = 1-0"

4

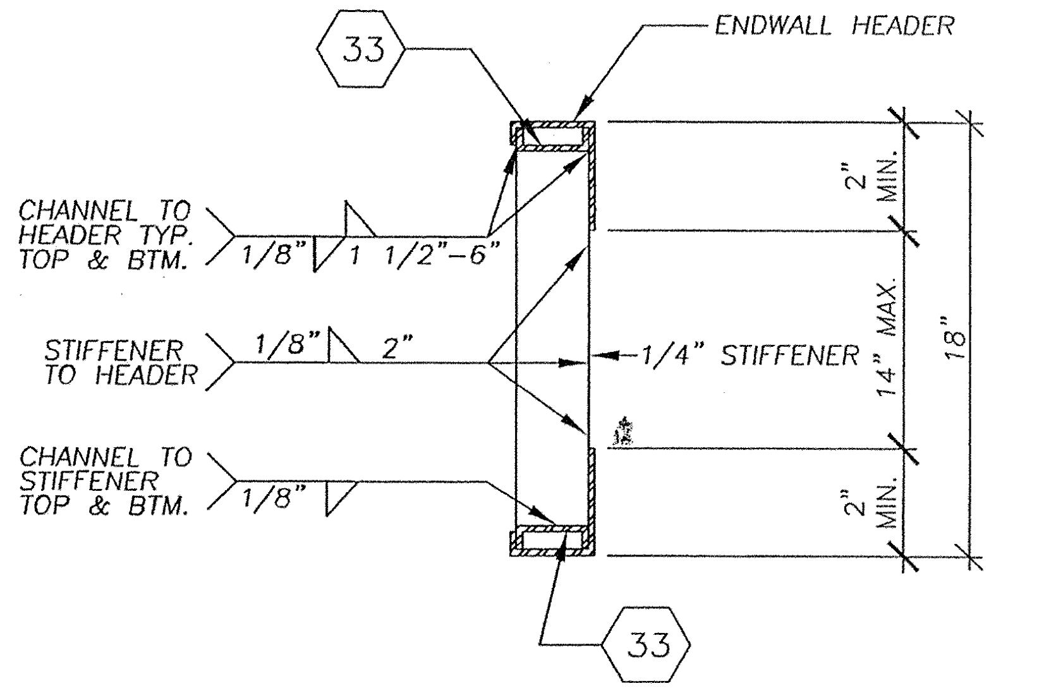


NOTE:
PROVIDE 1" AIR GAP BETWEEN ROOF DECK AND TOP OF ROOF INSULATION

INSULATION @ WALL/ROOF

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

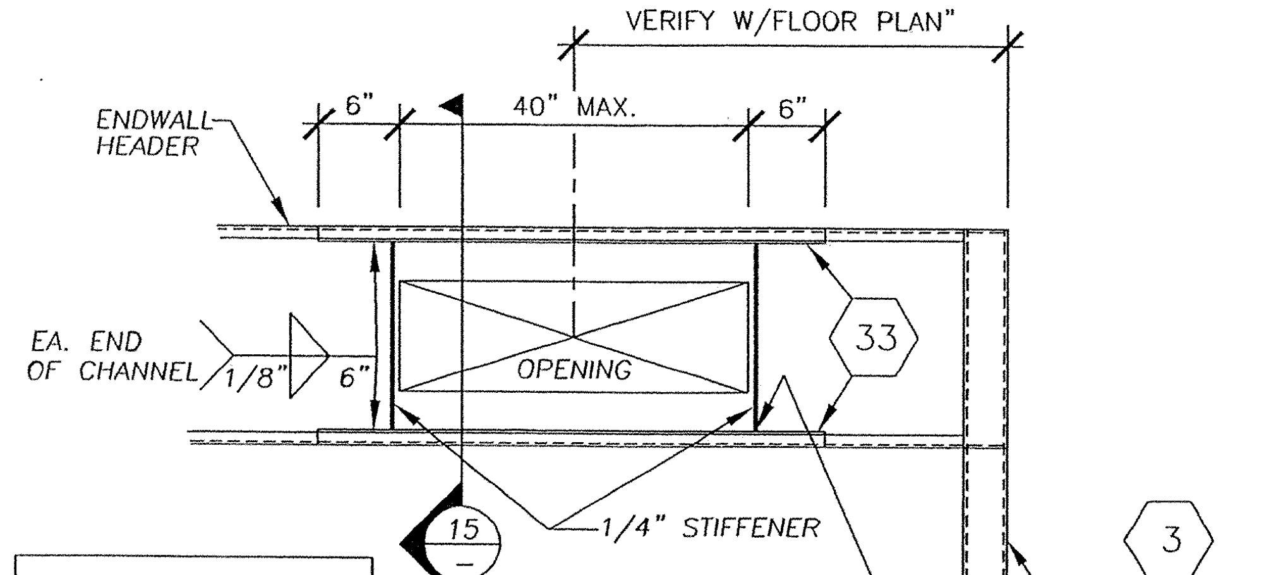
20



A/C OPENING IN HEADER

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

15

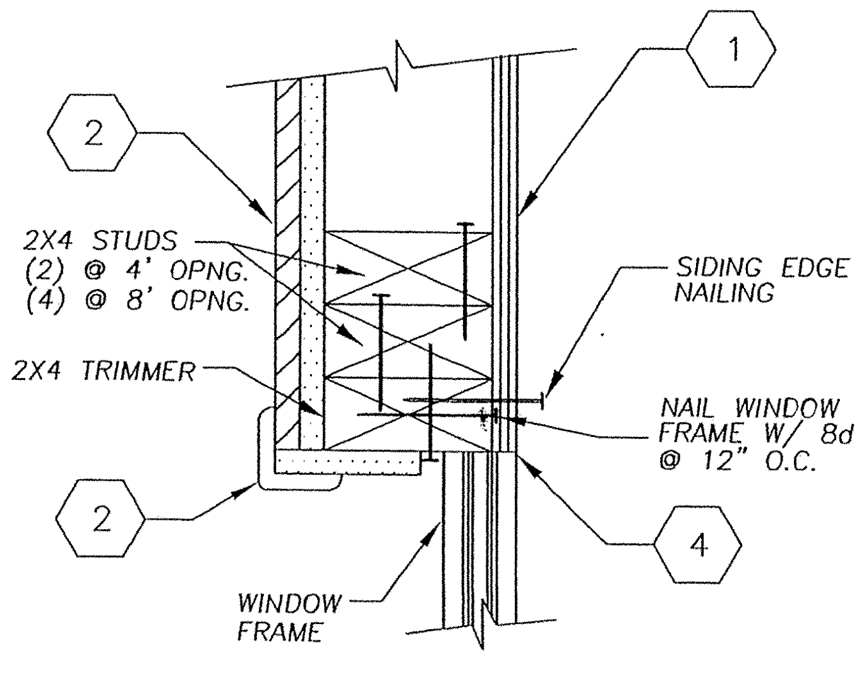


NOTE: FOR EXACT SIZE OF OPNG. IN HEADER SEE TABLE ON MECH. PLAN.

A/C OPENING IN HEADER

SCALE: 3/4" = 1-0"

10


1
2
2X4 STUDS (2) @ 4' OPNG. (4) @ 8' OPNG.
SIDING EDGE NAILING
2X4 TRIMMER
NAIL WINDOW TO FRAME W/ 8d NAILS @ 12" O.C.
2
4
WINDOW FRAME

WINDOW JAMB

SCALE: 3" = 1-0"

5

KEYNOTES

A. PROVIDE MOISTURE BARRIER BEHIND SIDING. USE ASPHALT SATURATED KRAFT, TYPE-1, GRADE 'D', STYLE-2 OR EQUAL ICBO NO. 4369

1. EXTERIOR PLYWOOD SIDING/SHEATHING – NAIL W/ CORROSION RESISTANT 8d BOX NAILS AT 6" O/C BOUNDARY & EDGES, AND 12" O/C FIELD.
2. TYPICAL INTERIOR FINISH
3. STEEL TUBE COLUMN
4. PAINTABLE ACRYLIC LATEX SEALANT (U.N.O.)
5. 'HILTI' DN57-P8 @ 24" O.C. (OR RAMSET 1514 SD) OR .144 PIN.
6. 2x4 TRIMMER
7. 2x4 FULL HT STUDS
8. 2x4 TOP PLATE
9. 2x4 BOTTOM PLATE
10. ROOF SHEATHING
11. FLOOR SHEATHING
12. GALV METAL FLASHING
13. 16d NAIL @ 16" O.C.
14. STEEL FLOOR CHANNEL
15. STEEL FLOOR JOIST @ 32" O.C. MIN. FOR PARTITION.
16. HOLLOW METAL DOOR FRAME
17. METAL DOOR
18. WATERPROOF MEMBRANE
19. HEADER – (2)-2x4 H.F. #2
20. DOOR BOTTOM W/ WEATHER STRIP
21. NOT USED
22. WALL MTD. A/C
23. 4x4 H.F. #2 POST (OR BETTER)
24. 2X6 BLOCK BETWEEN STUDS. ATTACH TO STUDS W/ (2) 16d BOX NAILS EA END
25. 11 GA x 24" LONG STEEL BOTTOM BRACKET
26. 3/8"ø x 2-1/2" LAG BOLT INTO BOTTOM BRACKET AND INTO 2x6 BLOCK W/ 1 1/2" MIN. EMBEDMENT
27. 3/4" SPACER-PLYWOOD
28. 16d BOX NAIL @ 8" O.C.
29. 1/4" FULL HT. STIFFENER
30. 1/2"ø MACHINE BOLT W/ WASHER @ 24" O.C. OR 0.145"ø SHOT PIN @ 18" O.C.
31. NOT USED
32. VINYL WRAPPED CLOSE-OFF BATT. ATTACH W/ #8x2 1/4" PAN HEAD WOOD SCREWS STAGGERED 24" O.C. AND (2) SCREWS TOP & BOTTOM.
33. 3 1/4"x1"x4'-6" L x 10 GA. CHANNEL TOP & BOTTOM.
34. 1/2"ø STEEL CONDUIT BRACE AT 8' O.C. MAX. STAGGERED.
35. ROOF PURLIN (SEE STRUCTURAL ROOF FRAME).
36. PLYWOOD ROOF DECK SHOWN, NOT REQ'D @ 22 GAUGE METAL ROOF DECK
37. #10 STSMS WAFER HD.
38. #10 WOOD SCREWS

DATE SIGNED
JUL 15 2003

No. 3602
LICENSE EXPIRES 6-30-2004

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

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

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DATE SIGNED
MAY 21 2003

LICENSE EXPIRES 6-30-2004
STRUCTURAL ENGINEER STAMP

RECEIVED
JUL 24 2003
WESTERN DIVISION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105453
AC FLS SS
DATE JUL 17 2003

STATE AGENCY STAMP

P2
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4-104778
AC FLS SS KB
DATE 5-30-03

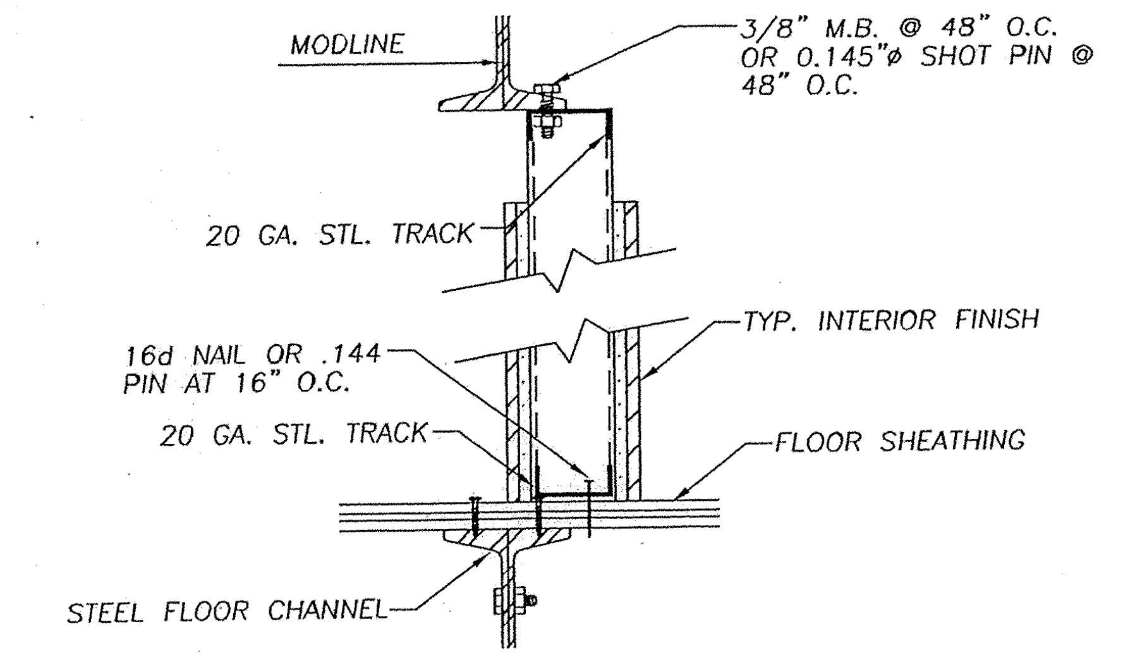
STATE AGENCY STAMP

PROJECT:
MODULAR CLASSROOM BUILDING

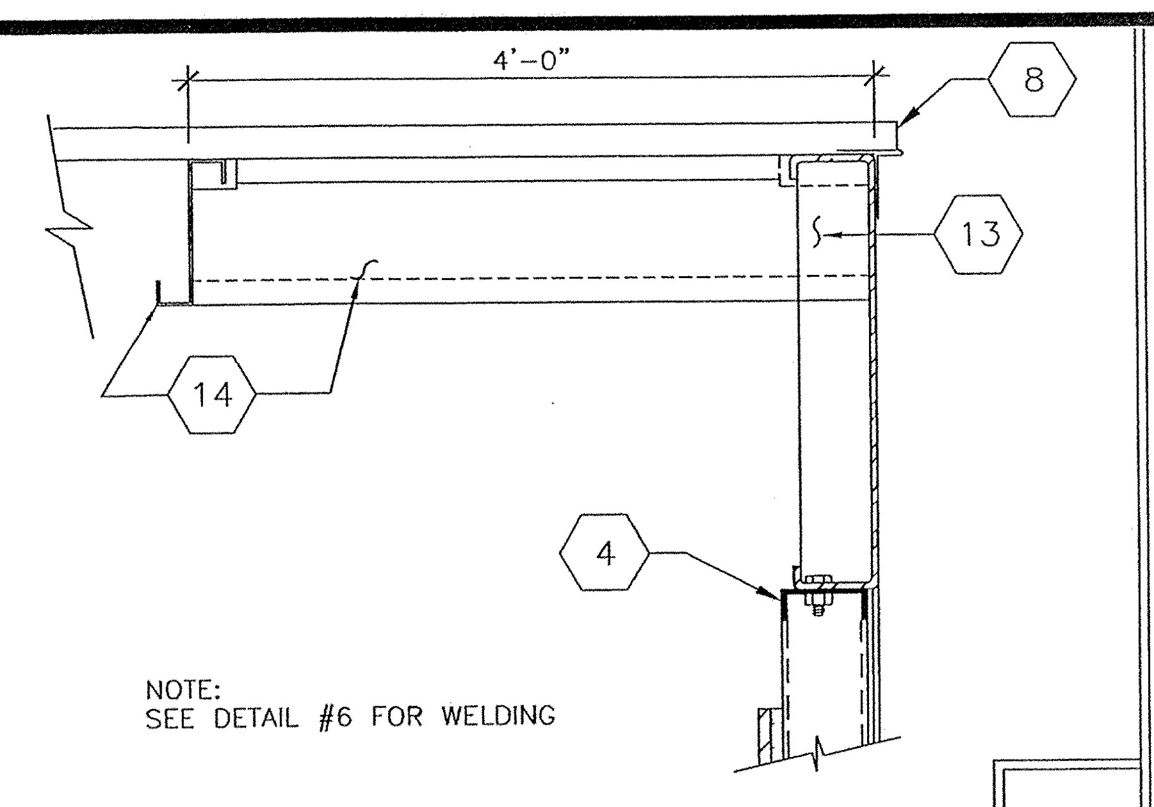
TITLE & BLDG. DATA:
WOOD STUD WALL FRAMING DETAILS
WIND LOAD: 80 MPH
ROOF LOAD: 20 & 30 PSF
FLOOR LOAD: 50, 50+20, 100 & 125 PSF

JOB #	
DATE	12/1/02
DRAWN BY	JAG
SCALE	AS NOTED
APPROVED	
REVISIONS	

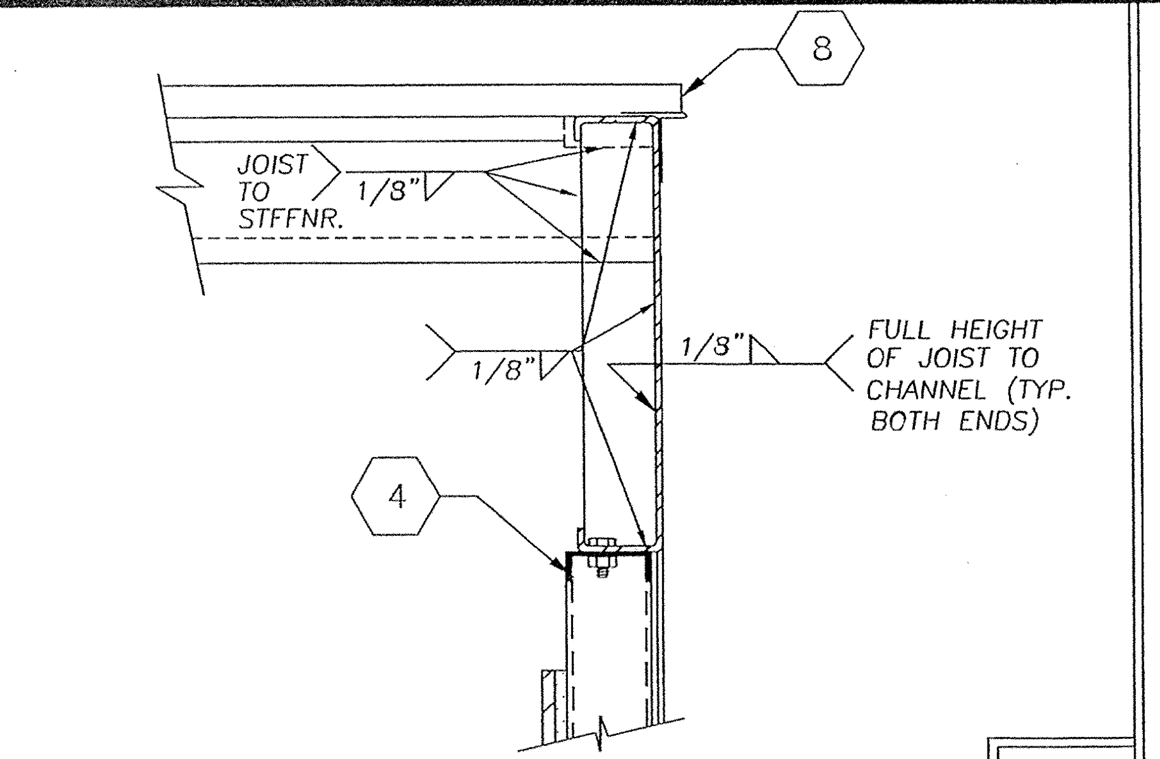
SHEET NO.
36-S-30



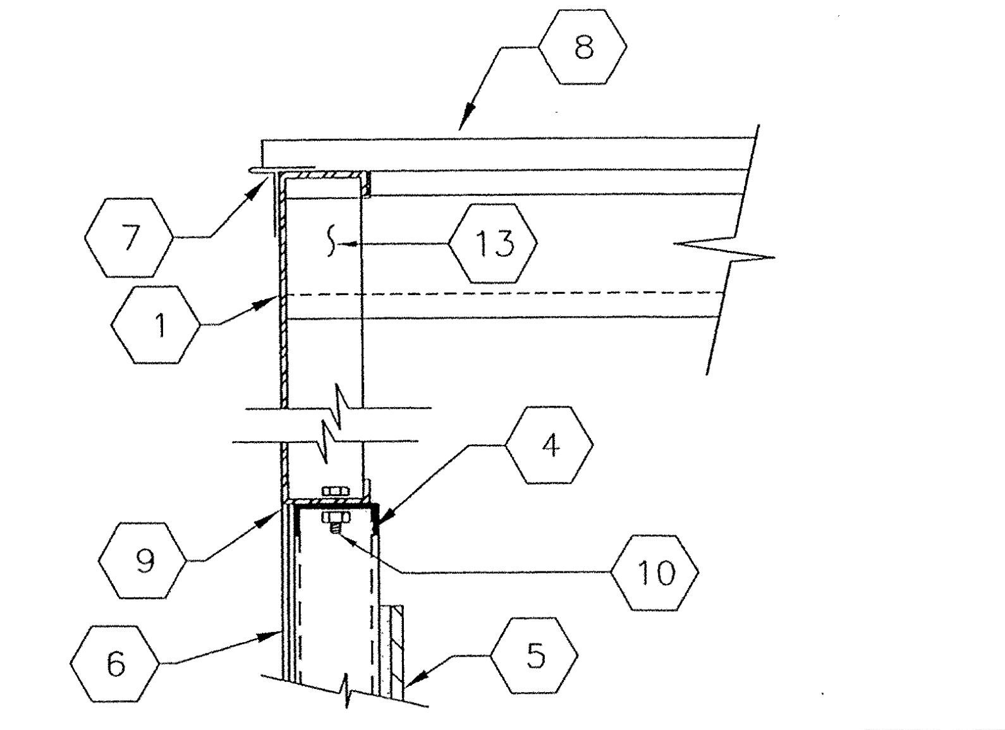
INT. WALL ATTACH @ MOD–LINE
SCALE: 1 1/2" = 1'–0"
16



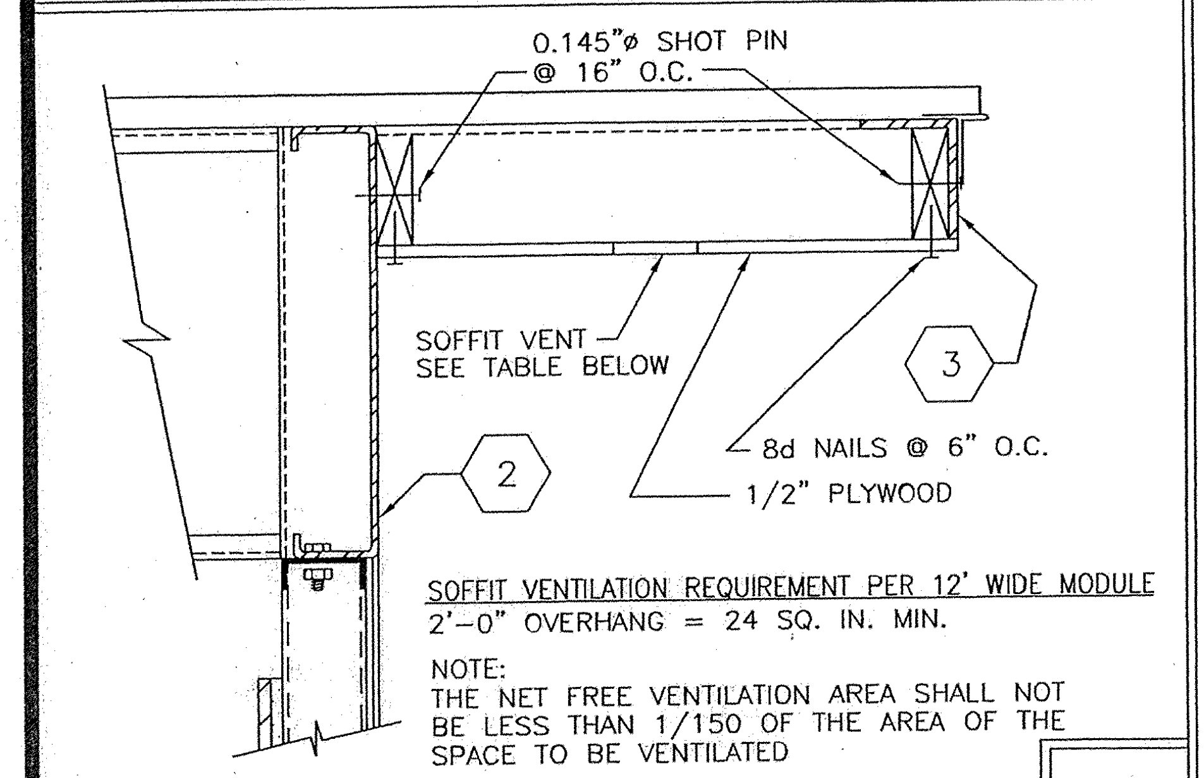
MIDSPAN BLKG. @ ENDWALL
SCALE: 1 1/2" = 1'–0"
11



ROOF PURLIN WELDING
SCALE: 1 1/2" = 1'–0"
6



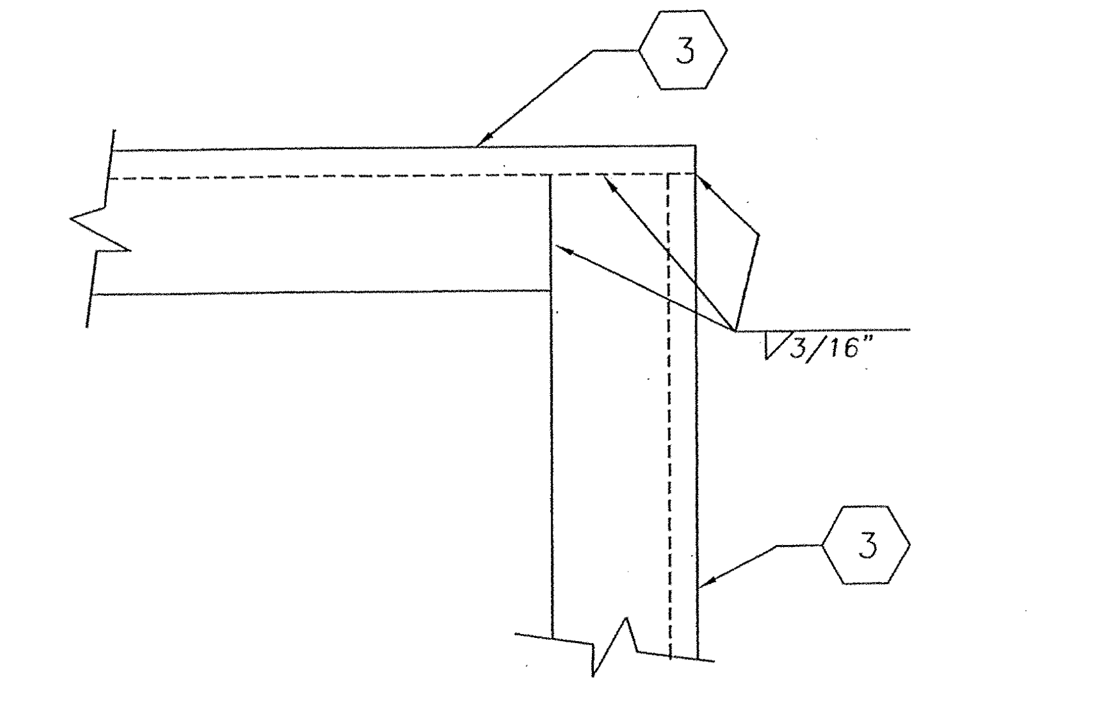
ROOF @ SIDEWALL
SCALE: 1 1/2" = 1'–0"
1



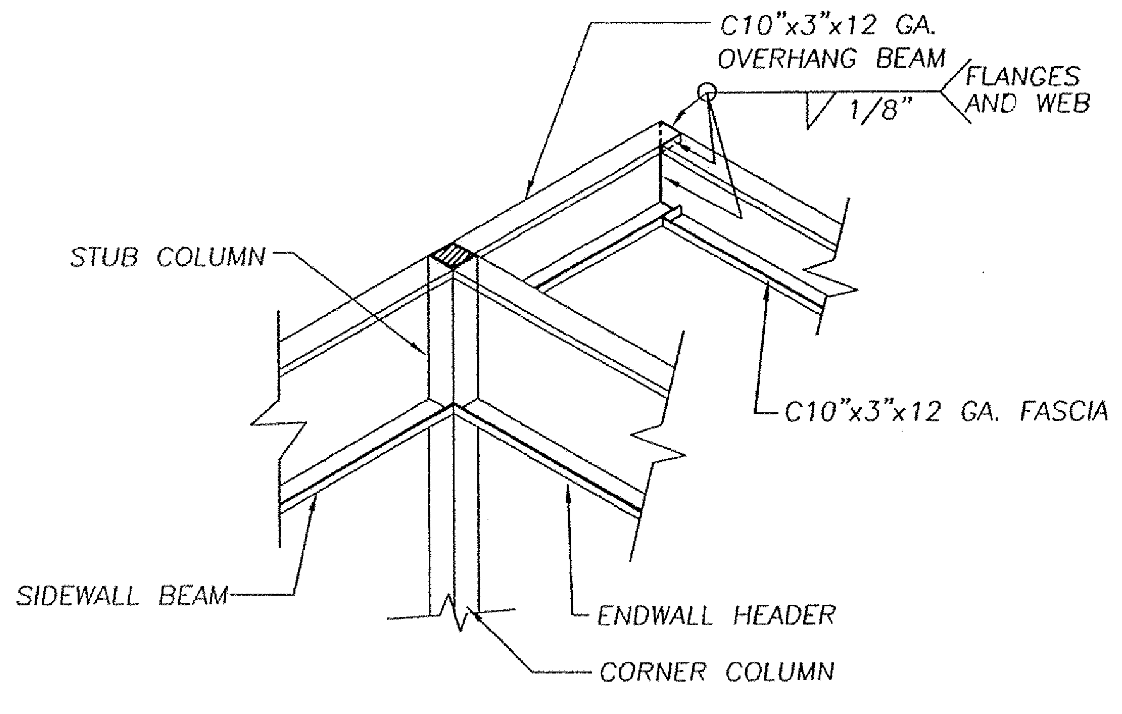
SOFFIT VENTILATION REQUIREMENT PER 12' WIDE MODULE
2'–0" OVERHANG = 24 SQ. IN. MIN.

NOTE:
THE NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE TO BE VENTILATED

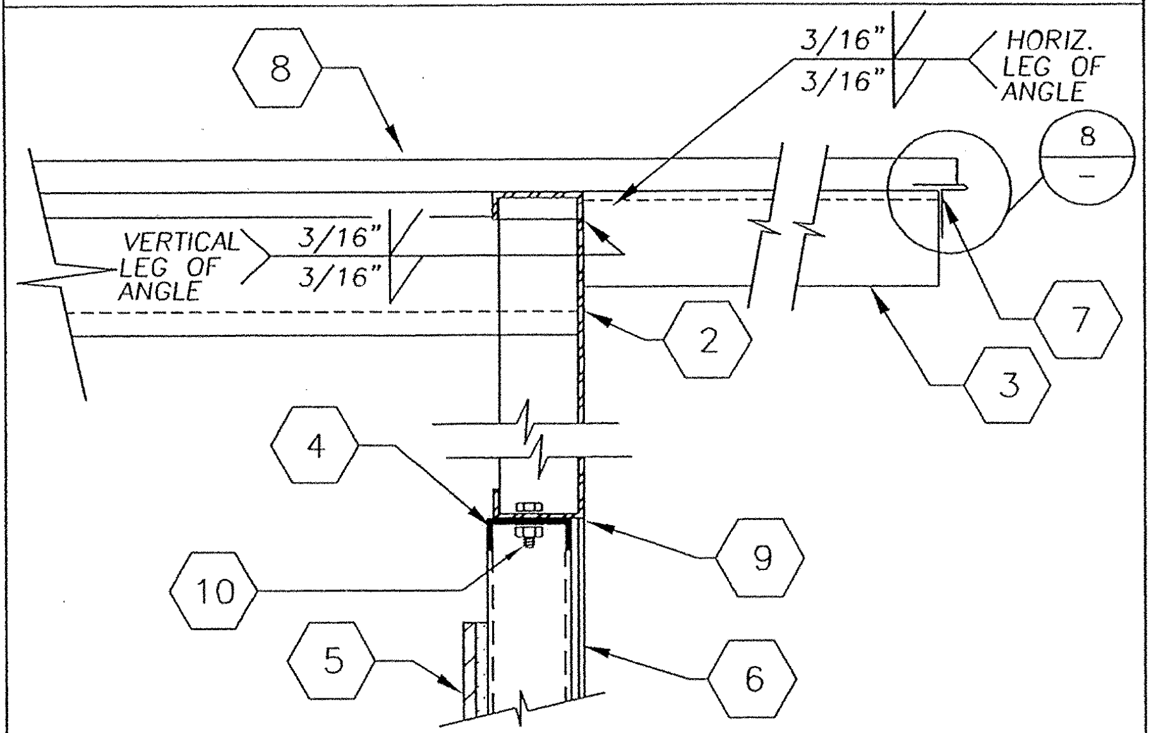
OPTIONAL 2' OVERHANG
SCALE: 1 1/2" = 1'–0"
17



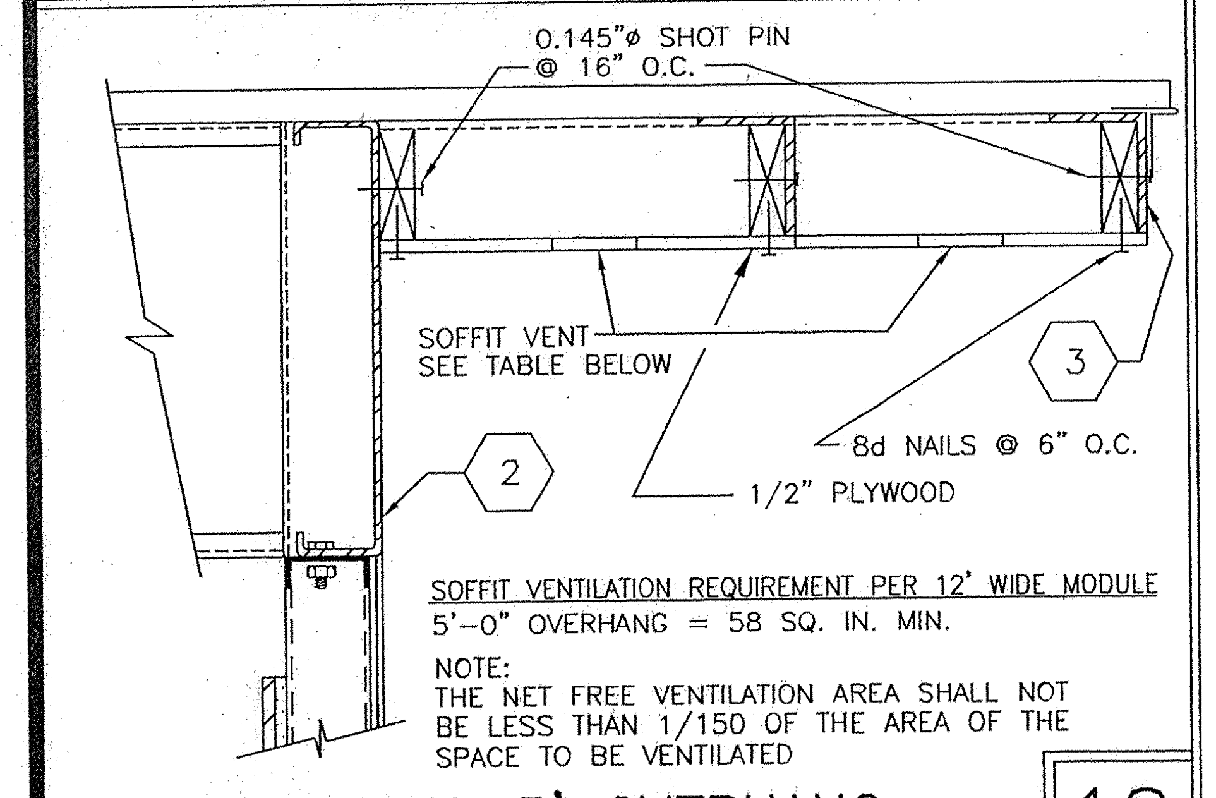
CORNER @ OVERHANG
SCALE: 3" = 1'–0"
12



OVERHANG CONN. DETAIL
SCALE: N.T.S.
7



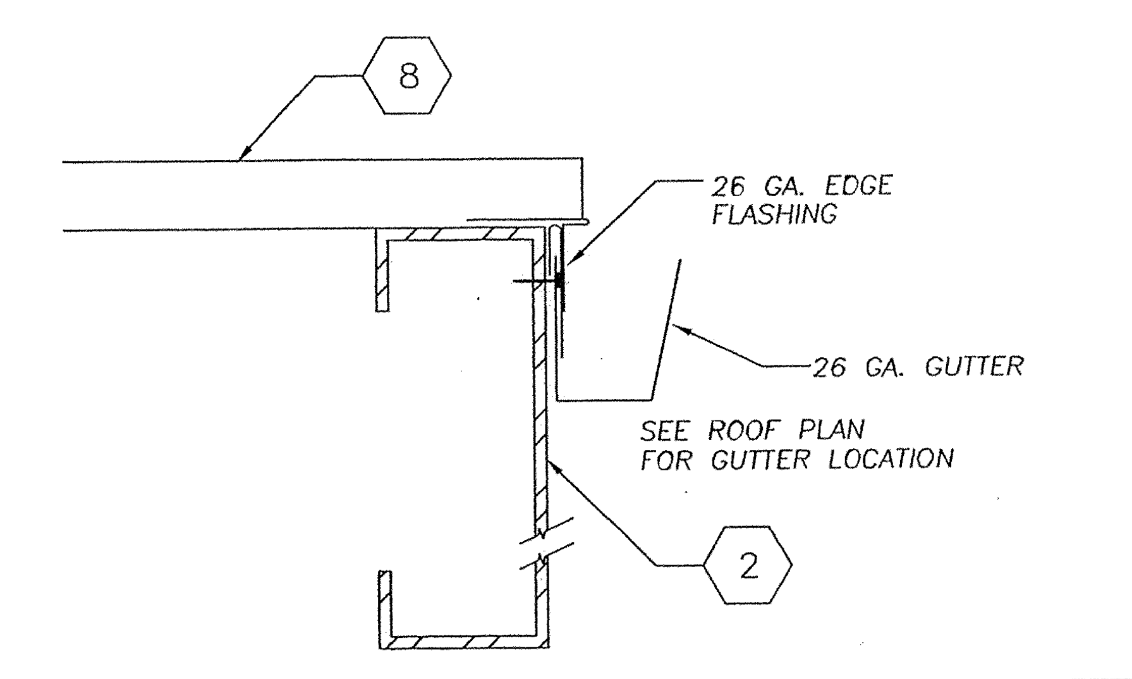
ROOF @ ENDWALL
SCALE: 1 1/2" = 1'–0"
2



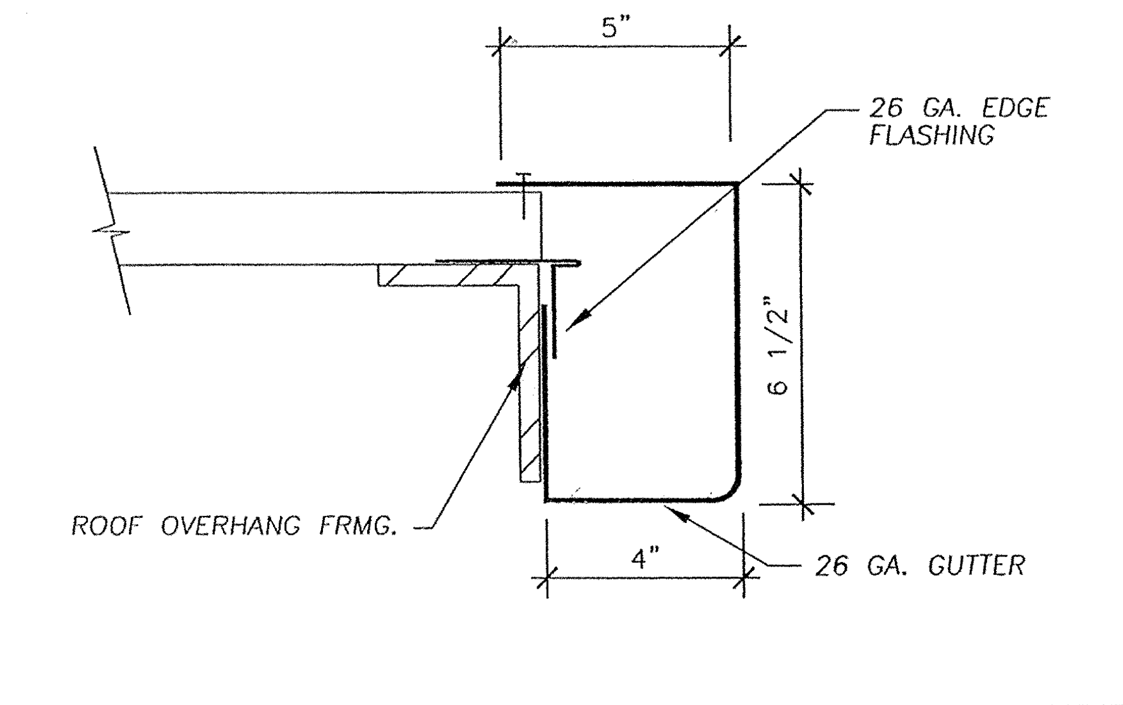
SOFFIT VENTILATION REQUIREMENT PER 12' WIDE MODULE
5'–0" OVERHANG = 58 SQ. IN. MIN.

NOTE:
THE NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE TO BE VENTILATED

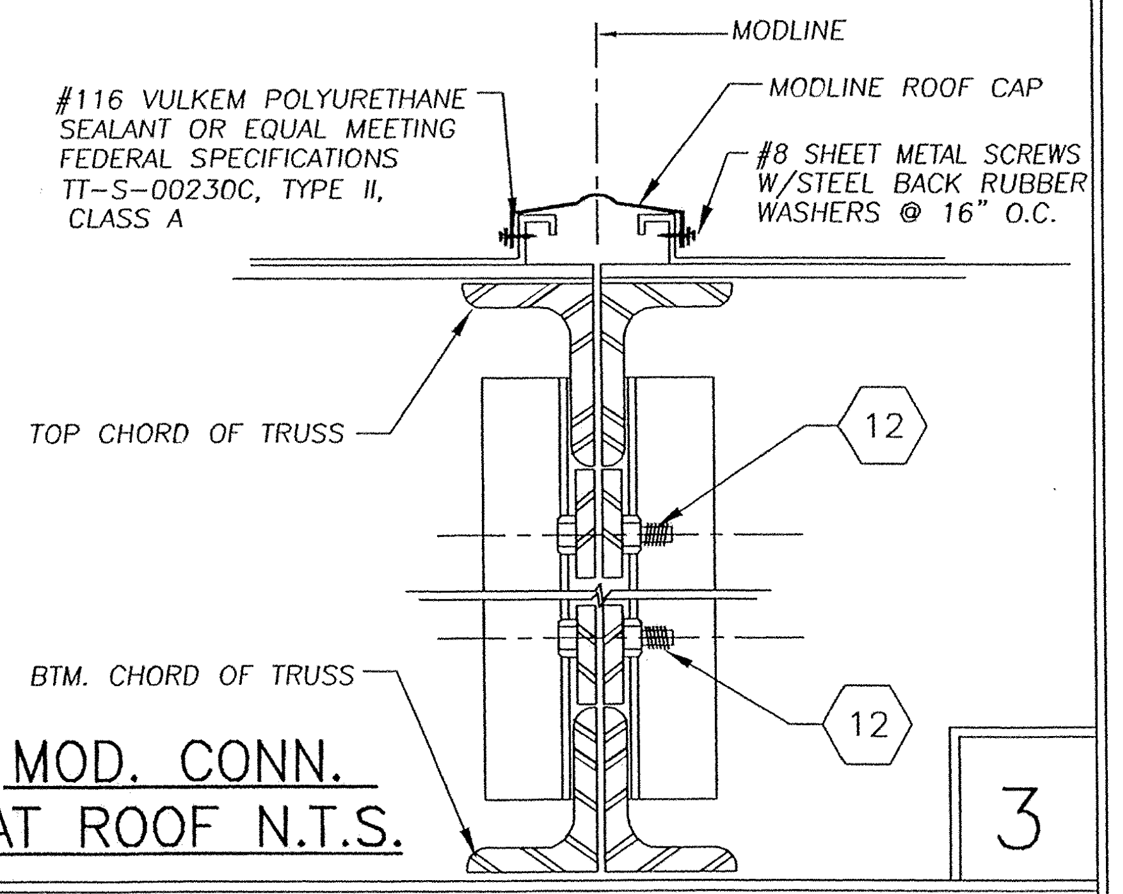
OPTIONAL 5' OVERHANG
SCALE: 1 1/2" = 1'–0"
18



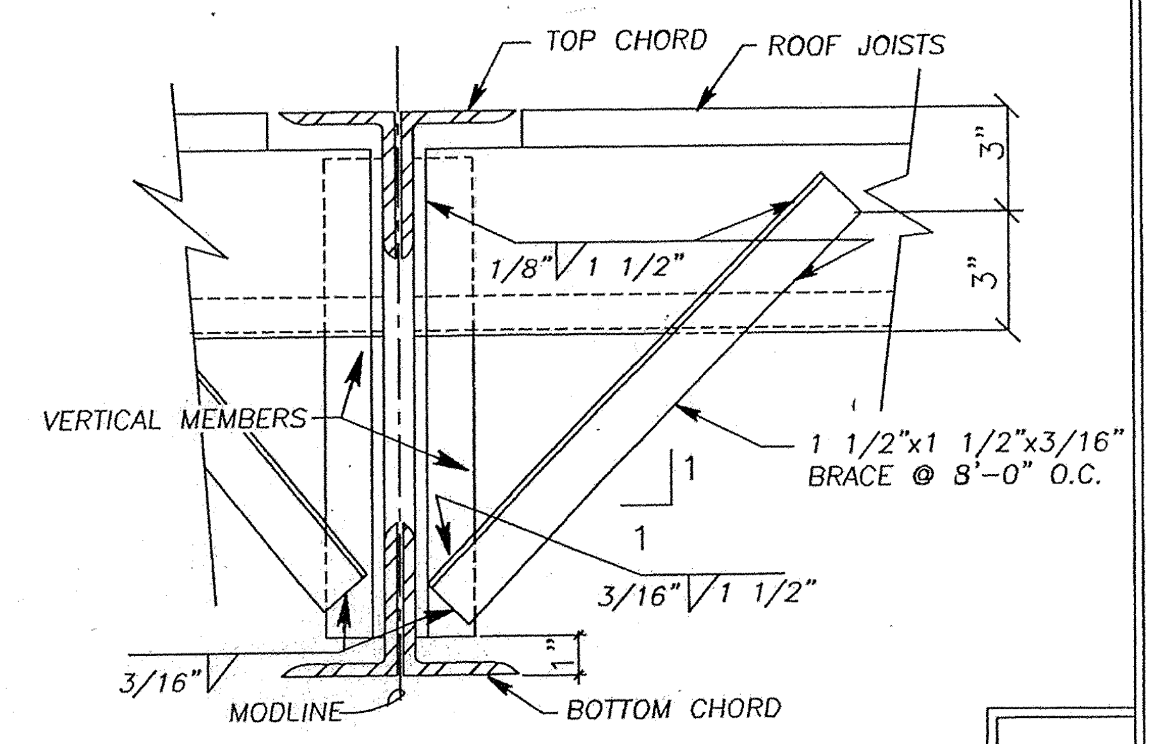
OPTIONAL GUTTER
SCALE: 3" = 1'–0"
13



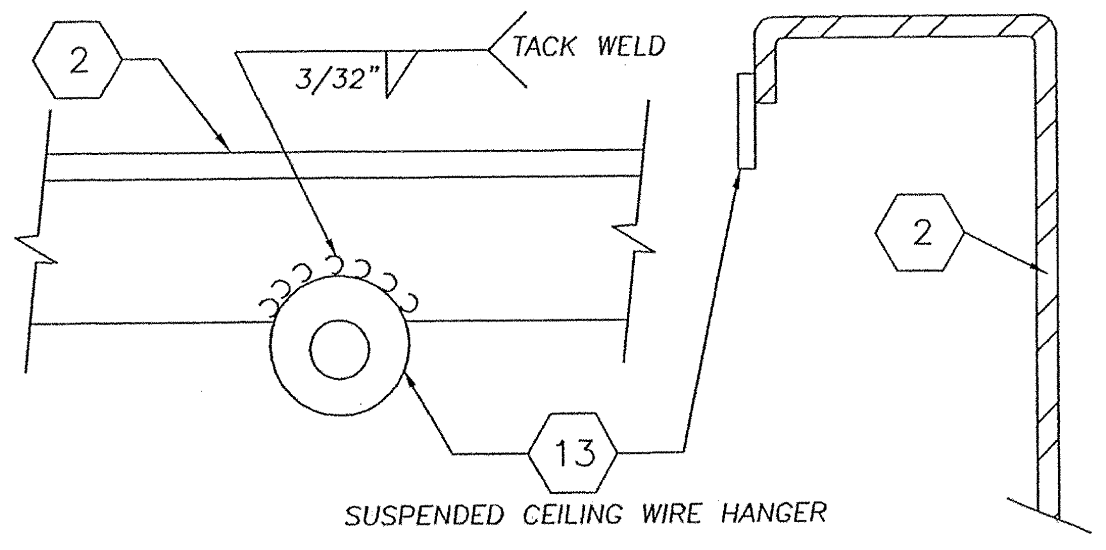
FASCIA @ GUTTER
SCALE: 3" = 1'–0"
8


MODLINE
MODLINE ROOF CAP
#116 VULKEM POLYURETHANE SEALANT OR EQUAL MEETING FEDERAL SPECIFICATIONS TT–S–00230C, TYPE II, CLASS A
#8 SHEET METAL SCREWS W/STEEL BACK RUBBER WASHERS @ 16" O.C.
TOP CHORD OF TRUSS
12
BTM. CHORD OF TRUSS
12

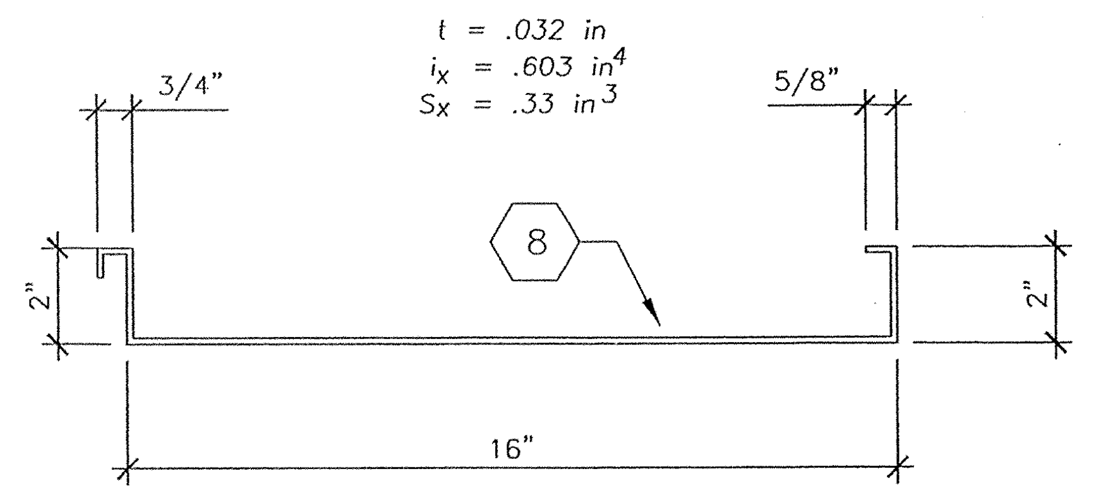
MOD. CONN. AT ROOF N.T.S.
3



TRUSS TO ROOF JOIST BRACING
19



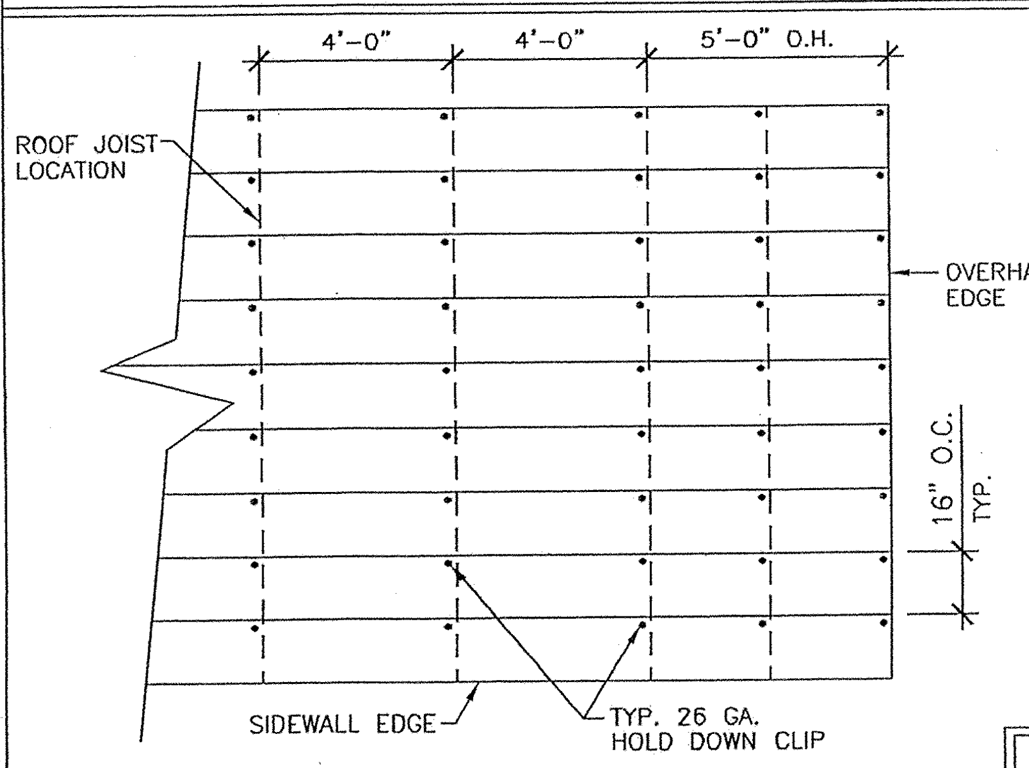
WELD WASHER
SCALE: 1 1/2" = 1'–0"
14



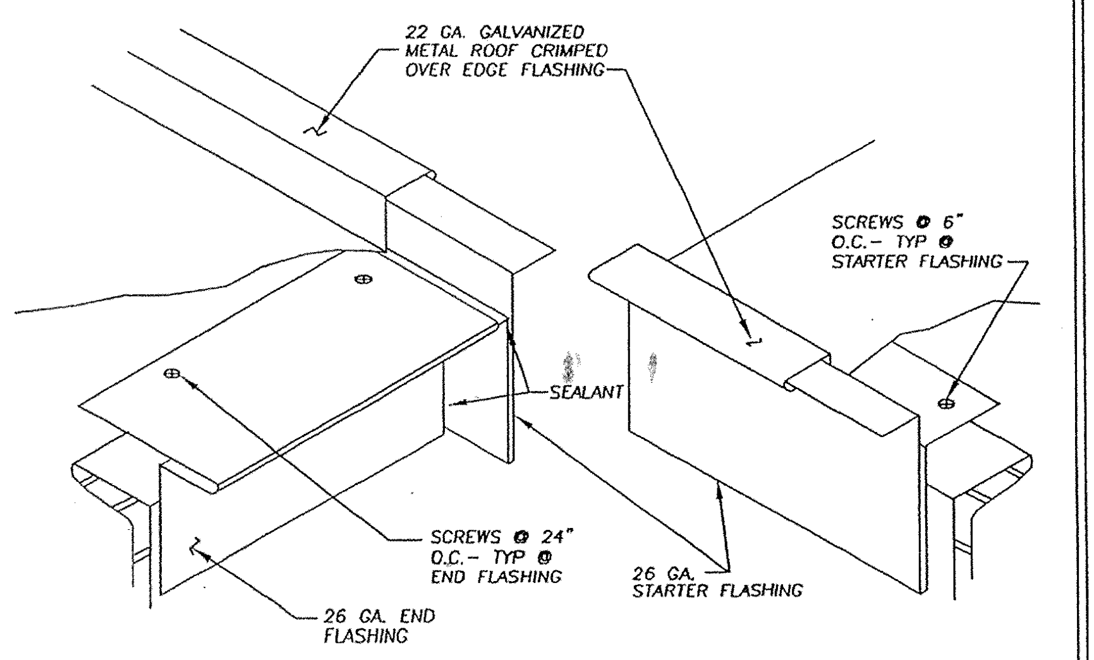
ROOF PANEL SECTION
SCALE: 3" = 1'–0"
9

4

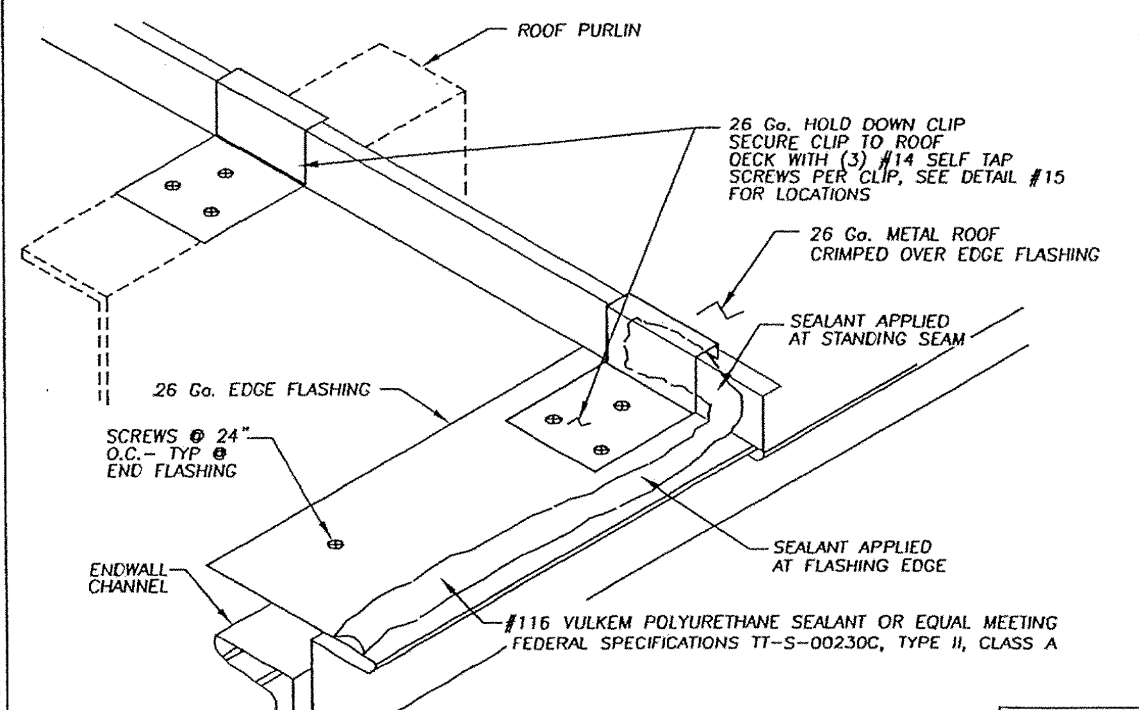
20



TYPICAL ROOF FASTENING
SCALE: 1/4" = 1'–0"
15


22 GA. GALVANIZED METAL ROOF CRIMPED OVER EDGE FLASHING
SCREWS @ 6" O.C.– TYP @ STARTER FLASHING
SEALANT
SCREWS @ 24" O.C.– TYP @ END FLASHING
26 GA. STARTER FLASHING
26 GA. END FLASHING

METAL ROOF @ CORNER (N.T.S.)
10


ROOF PURLIN
26 Ga. HOLD DOWN CLIP SECURE CLIP TO ROOF DECK WITH (3) #14 SELF TAP SCREWS PER CLIP, SEE DETAIL #15 FOR LOCATIONS
26 Ga. METAL ROOF CRIMPED OVER EDGE FLASHING
SEALANT APPLIED AT STANDING SEAM
26 Ga. EDGE FLASHING
SCREWS @ 24" O.C.– TYP @ END FLASHING
SEALANT APPLIED AT FLASHING EDGE
ENDWALL CHANNEL
#116 VULKEM POLYURETHANE SEALANT OR EQUAL MEETING FEDERAL SPECIFICATIONS TT–S–00230C, TYPE II, CLASS A

METAL ROOF @ PERIMETER (N.T.S.)
5

⬡ KEYNOTES

1. 10 GA. CHANNEL @ ROOF SIDEWALL
   DUAL SLOPE OPTION: 18/23/18x3 1/2x10 GA.
   SINGLE SLOPE OPTION: 18/28/18x3 1/2x10 GA.
2. 12 GA. CHANNEL @ ROOF HEADER
   DUAL SLOPE OPTION: 18"x3 1/2"x 12 GA.
   SINGLE SLOPE OPTION: 18/28x3 1/2x 12 GA.
3. OVERHANG @ ENDWALL, SEE ROOF PLAN FOR SIZE AND SHT. G–2 FOR OVERHANG MATERIAL
4. 20 GA. STL. TRACK CONT. TOP PLATE– ATTACH TO CHANNEL W/ 0.145ø SHOT PIN AT 18" O.C. OR 3/8" BOLT AT 24" O.C. MIN.
5. INTERIOR FINISH – SEE SHEET G–2
6. TYP. EXTERIOR FINISH – SEE SHEET G–2
7. 26 GA. FLASHING
8. STEEL ROOF DECK – 22 GA. ROLL FORMED STANDING SEAM ROOF DECK. SEE DETAIL #9 ROOF PANEL SECTION. SEE DETAILS #5 AND #10 FOR ATTACHMENT SPECIFICATIONS.
9. PAINTABLE ACRYLIC LATEX SEALANT (U.N.O.)
10. 1/2ø" MACHINE BOLT W/ WASHER @ 24" OC MIN. OR 0.145ø SHOT PIN AT 18" O.C.
11. WELD WASHER – 1–3/8"x 3/32" WITH 9/16" HOLE. WELD TO UPPER CHANNEL FLANGE.
12. 5/8" MACHINE BOLT AT 8'–0" O.C. @ MODULE CONNECTION.
13. 1/4" FULL HEIGHT STIFFENER @ 4'–0" O.C.
14. 6"x 14 GA. ROOF JOIST OR BLKG.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

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

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DATE SIGNED
JUL 15 2003

No. 3602
LICENSE EXPIRES 6-30-2004

DATE SIGNED
MAY 21 2003

No. 3602
LICENSE EXPIRES 6-30-2004
STRUCTURAL ENGINEER STAMP

RECEIVED
JUL 24 2003
WESTERN DIVISION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 105453
AC FLS SS
DATE JUL 17 2003
STATE AGENCY STAMP

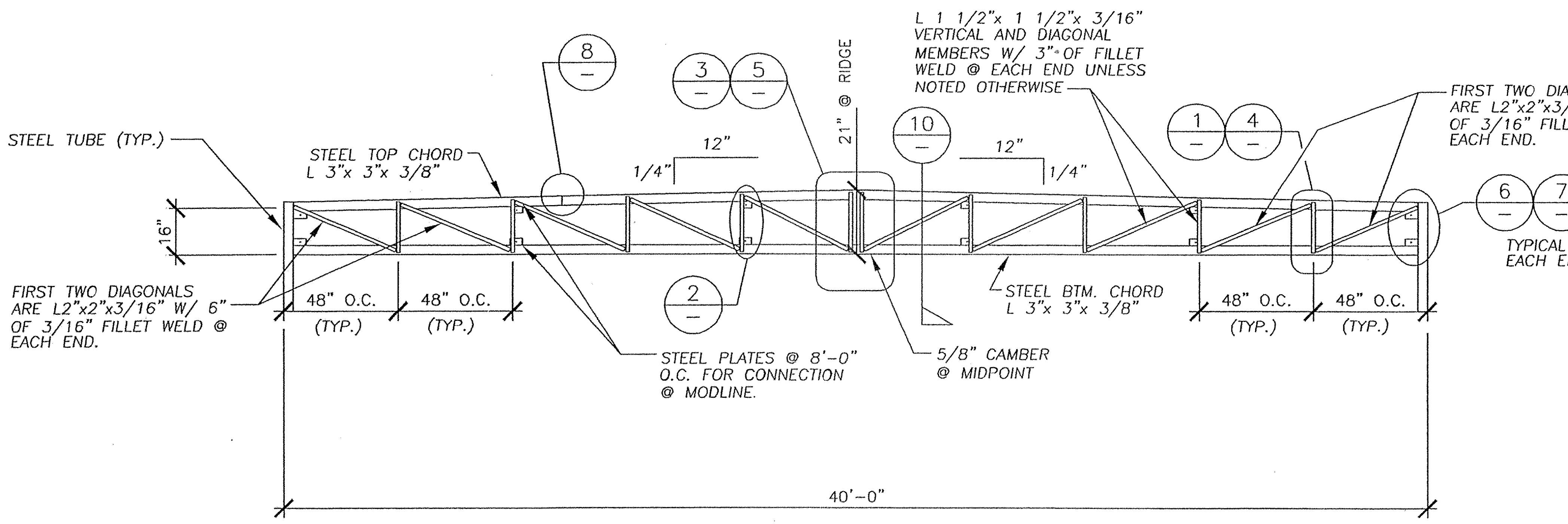
PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4–104778
AC____ FLS____ SS KB
DATE: 5-30-03
STATE AGENCY STAMP

PROJECT:
MODULAR CLASSROOM BUILDING

TITLE & BLDG. DATA:
ROOF FRAMING DETAILS W/ METAL DECK
WIND LOAD: 80 & 90 MPH
ROOF LOAD: 20 & 30 PSF
FLOOR LOAD: 50, 50+20, 100 & 125 PSF

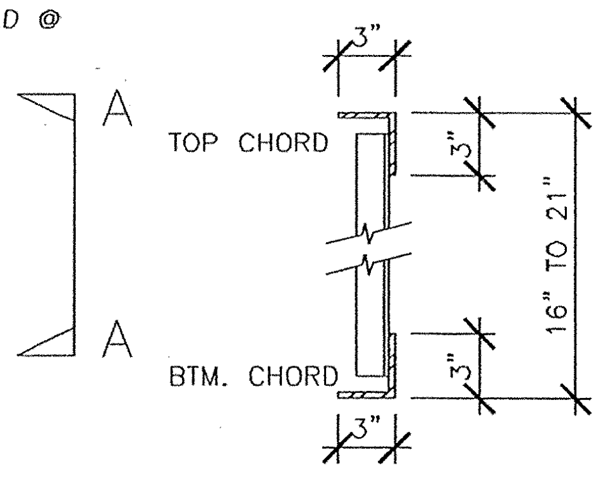
JOB #
DATE 12/1/02
DRAWN BY JAG
SCALE AS NOTED
APPROVED
REVISIONS

SHEET NO.
36-S-51


STEEL TUBE (TYP.)
STEEL TOP CHORD L 3"x 3"x 3/8"
8
3 5
21" @ RIDGE
L 1 1/2"x 1 1/2"x 3/16" VERTICAL AND DIAGONAL MEMBERS W/ 3" OF FILLET WELD @ EACH END UNLESS NOTED OTHERWISE
10
1 4
FIRST TWO DIAGONALS ARE L2"x2"x3/16" W/ 6" OF 3/16" FILLET WELD @ EACH END.
12"
1/4"
12"
1/4"
16"
6 7
TYPICAL EACH END
FIRST TWO DIAGONALS ARE L2"x2"x3/16" W/ 6" OF 3/16" FILLET WELD @ EACH END.
48" O.C. (TYP.)
48" O.C. (TYP.)
2
STEEL BTM. CHORD L 3"x 3"x 3/8"
48" O.C. (TYP.)
48" O.C. (TYP.)
STEEL PLATES @ 8'-0" O.C. FOR CONNECTION @ MODLINE.
5/8" CAMBER @ MIDPOINT
40'-0"

DUAL SLOPE STEEL TRUSS ELEVATION W/ 20 PSF ROOF LOAD & 80 MPH WIND

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



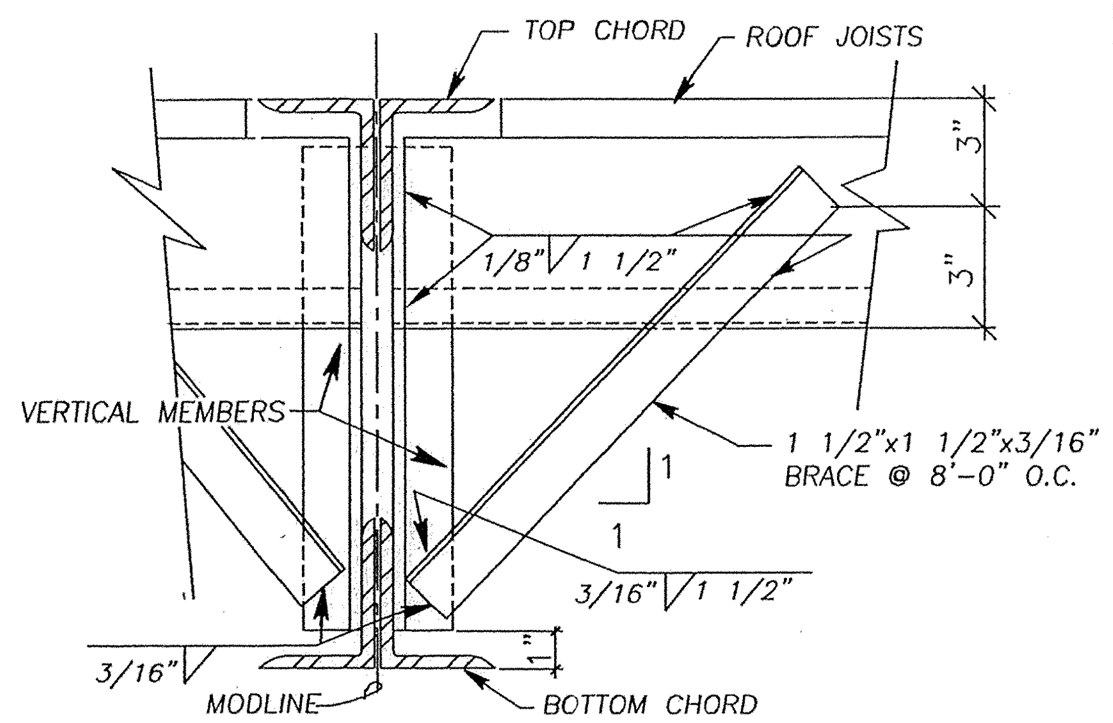
VIEW A–A

SCALE: 1" = 1'-0"

NOTES:

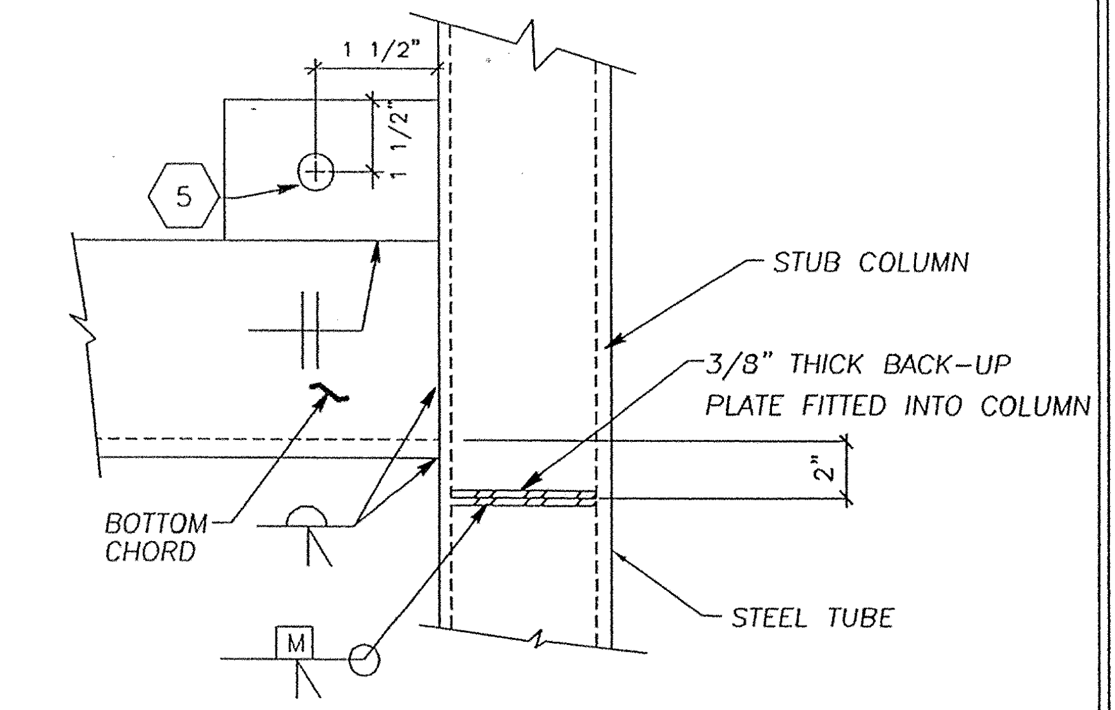
1. ALL STEEL GRADES TO BE A–36 OR EQ. WITH 36 K.S.I. MIN. YEILD
2. REQUIRED ELECTRODES FOR ALL WELDS TO BE E–70–XX OR EQ.
3. VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS.
4. BOLTS & NUTS TO BE A307.
5. 3/8"x3"x5 1/2" PLATE WITH 11/16" HOLE FOR 5/8" MACHINE BOLT. PLATES @ 8'–0" O.C. FOR MODULE CONNECTION. SEE DETAIL #2A.

13



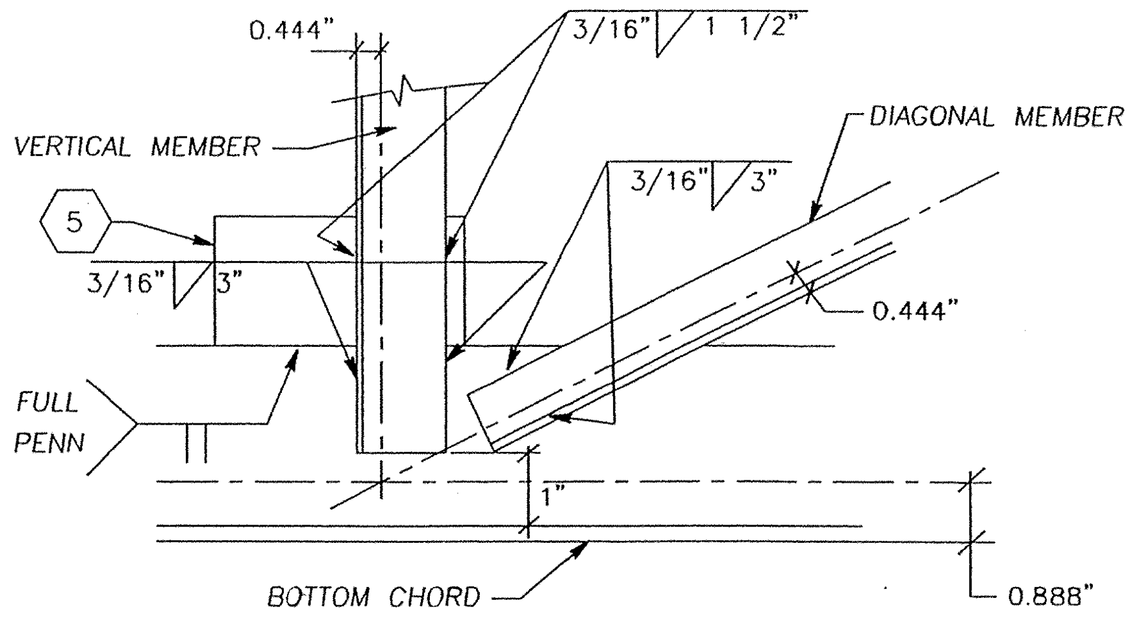
TRUSS TO ROOF JOIST BRACING

10



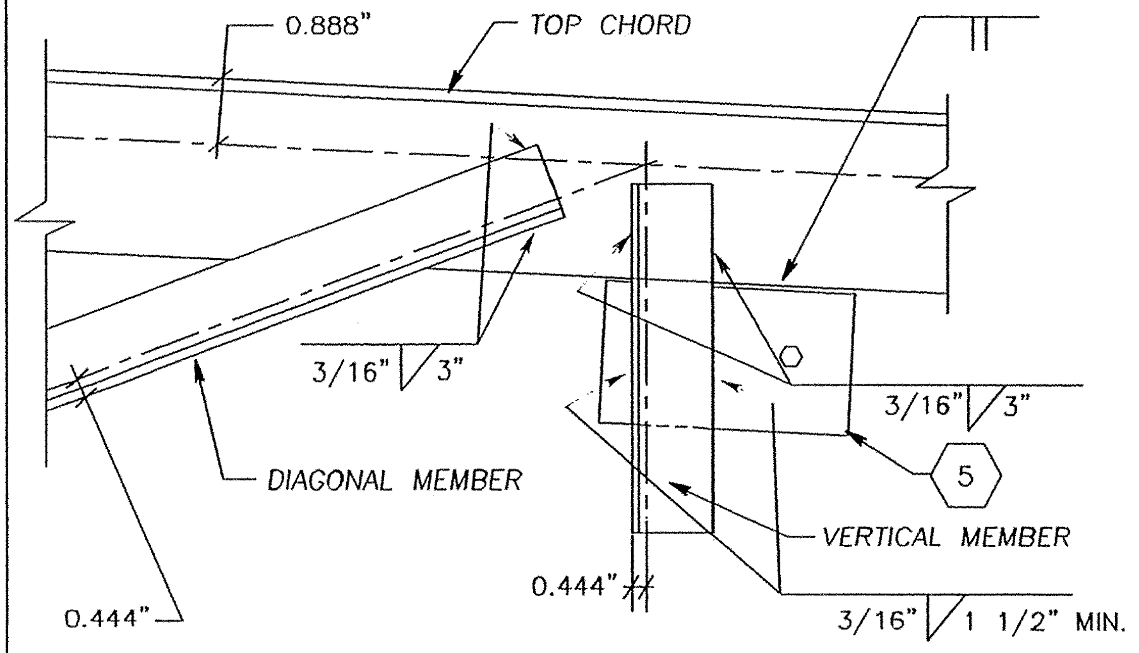
POST CONN. TO TRUSS (BOT.)

7



VERT. & DIAG. TO BTM CHORD

4

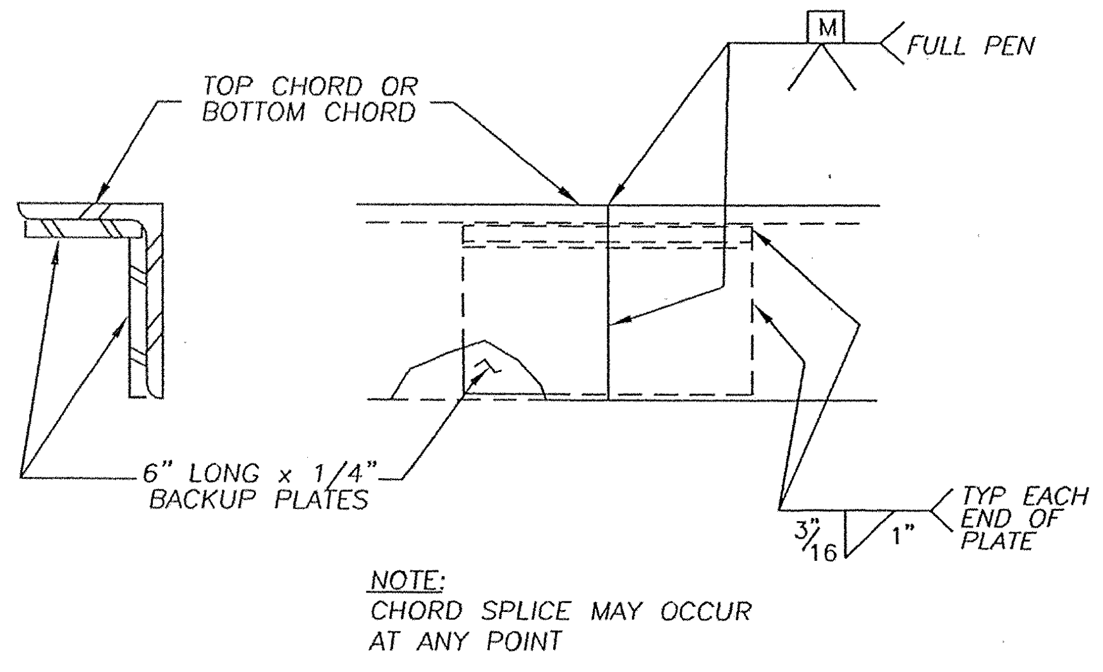


VERT. & DIAG. TOP CHORD

1

14

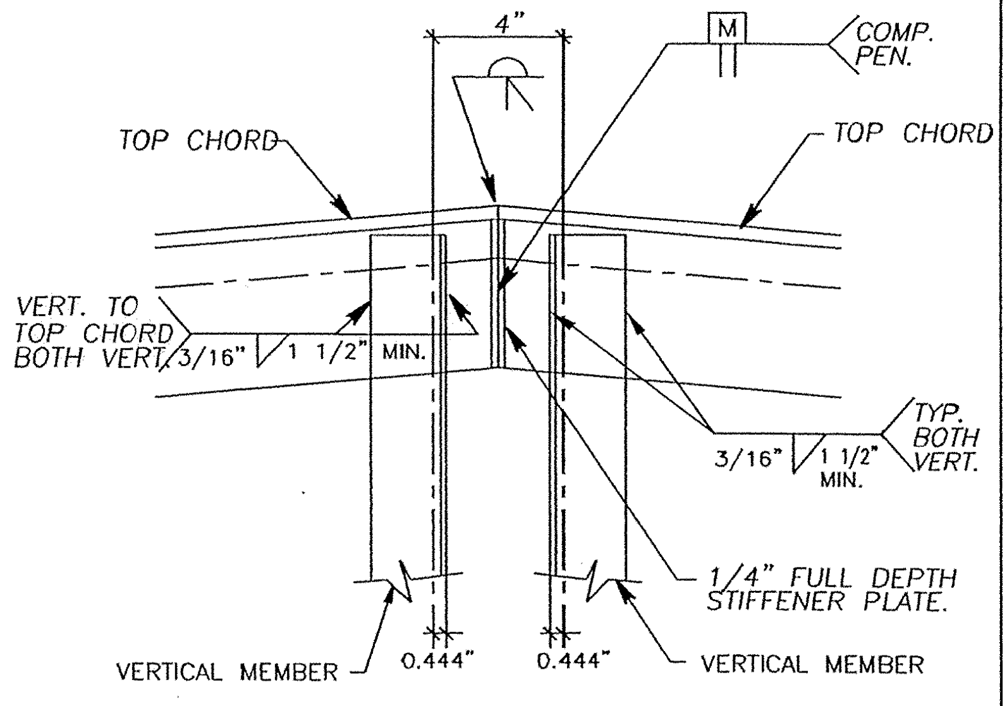
11



NOTE: CHORD SPLICE MAY OCCUR AT ANY POINT

TRUSS CHORD SPLICE

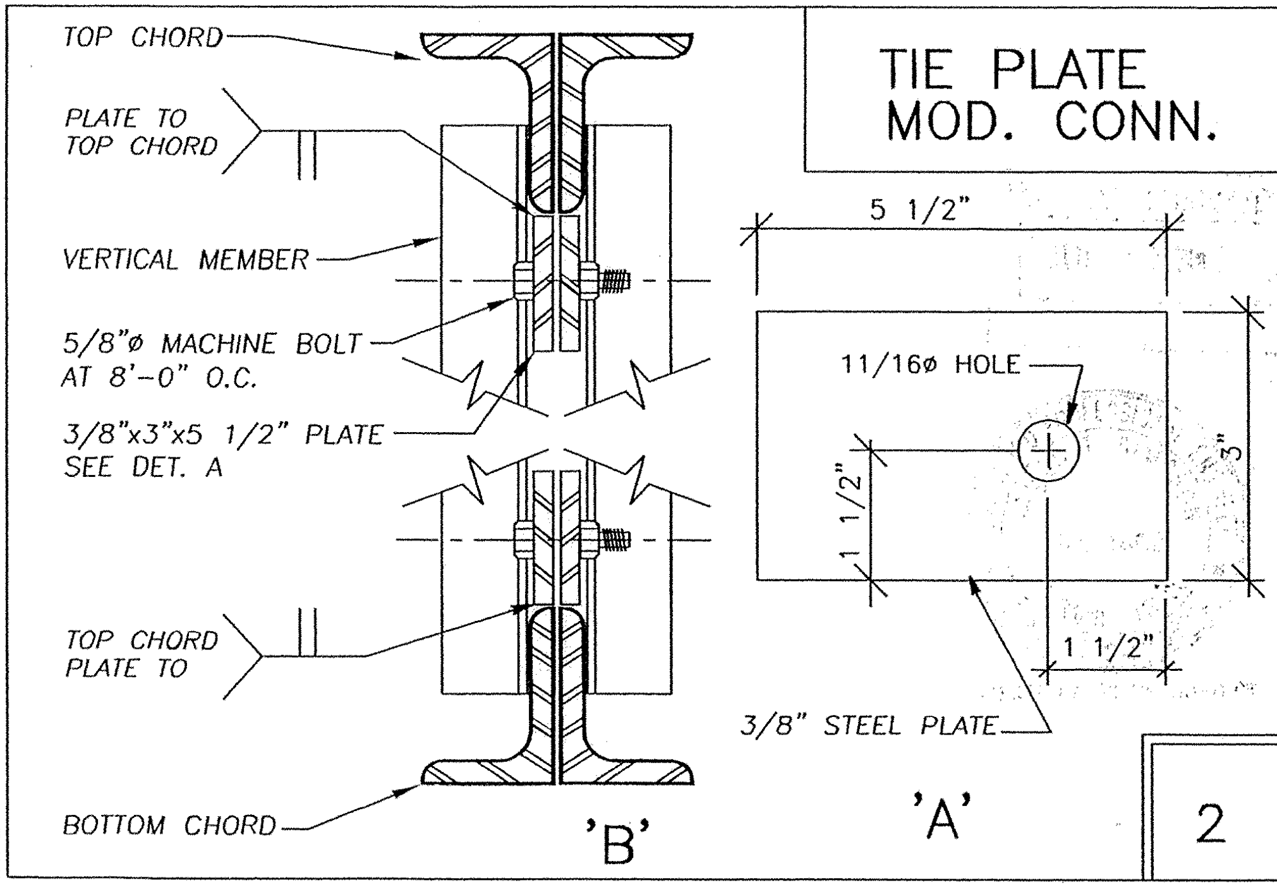
8



TOP CHORD @ MIDPOINT

5

TIE PLATE MOD. CONN.

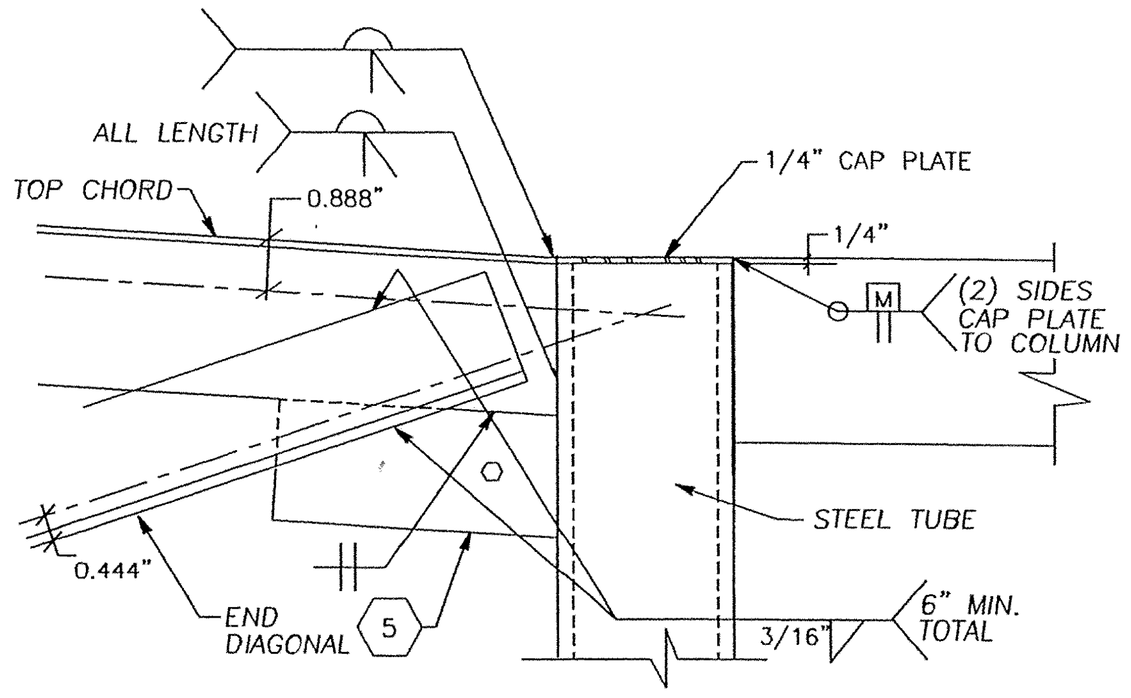


2

15

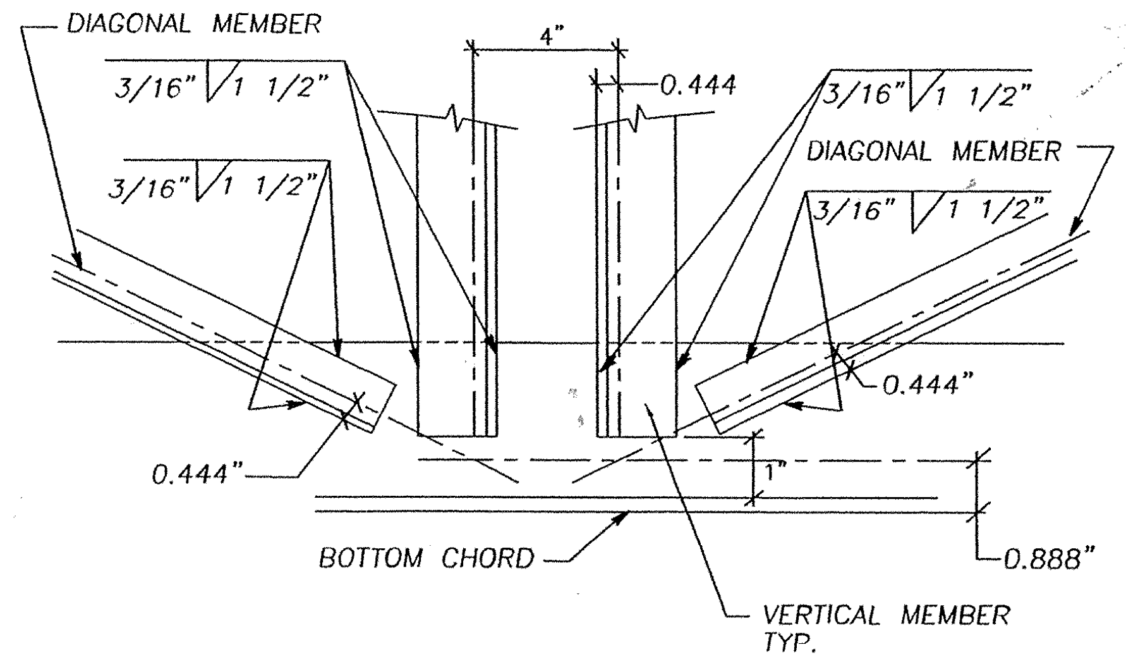
12

9



POST CONN. TO TRUSS (TOP)

6



BOTTOM CHORD @ MIDSPAN

3

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~~MAY 2 1 2003~~

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~~OFFICE OF REGULATION SERVICES~~
~~04 105453~~
~~AC FLS SS~~
~~DATE JUL 17 2003~~

STATE AGENCY STAMP

PC

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~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~4–104778~~
~~AC____ FLS____ SS KB~~
~~DATE: 5-30-03~~

STATE AGENCY STAMP

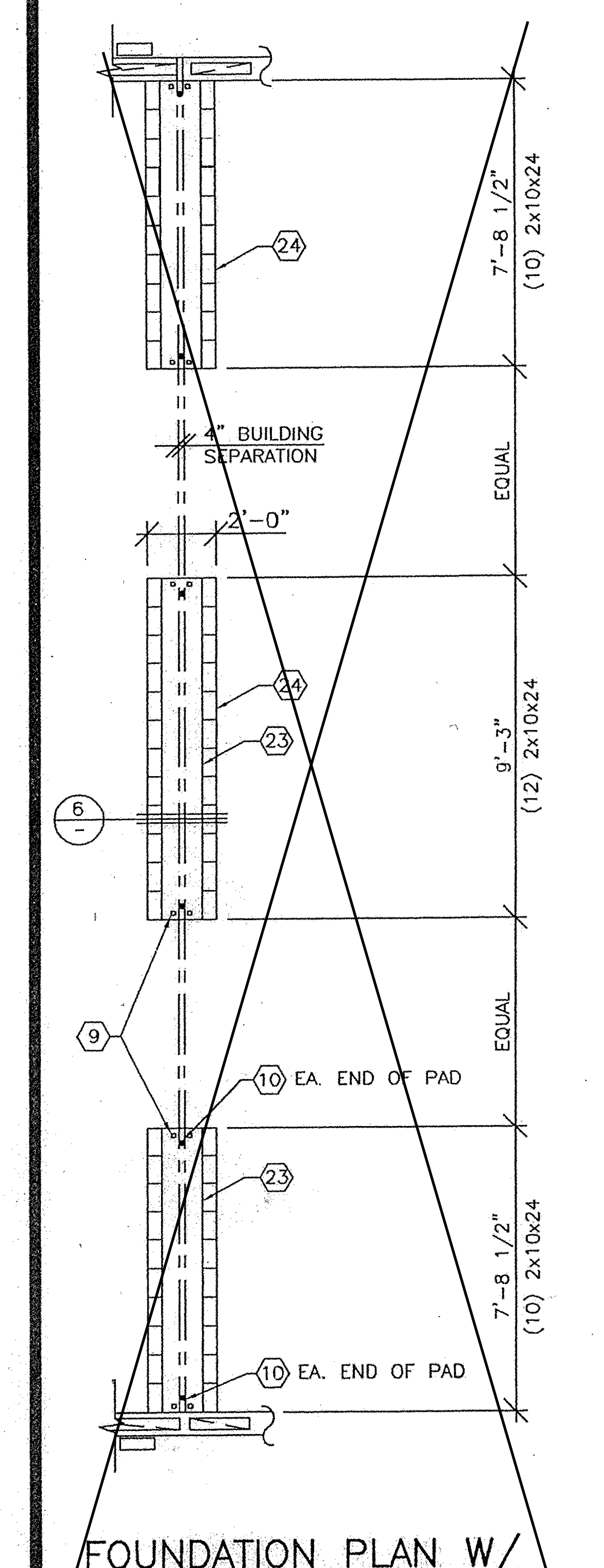
MSI
MODULAR STRUCTURES INTERNATIONAL, INC.
920 CITRUS AVE. RIVERSIDE, CALIFORNIA. 92507
PHONE: (909) 788-3035 FAX: (909) 788-1523

PROJECT:
MODULAR CLASSROOM BUILDING

TITLE & BLDG. DATA:
DUAL SLOPE TRUSS & DETAILS
WIND LOAD: 80 MPH
ROOF LOAD: 20 PSF
FLOOR LOAD: 50, 50+20, 100 & 125 PSF

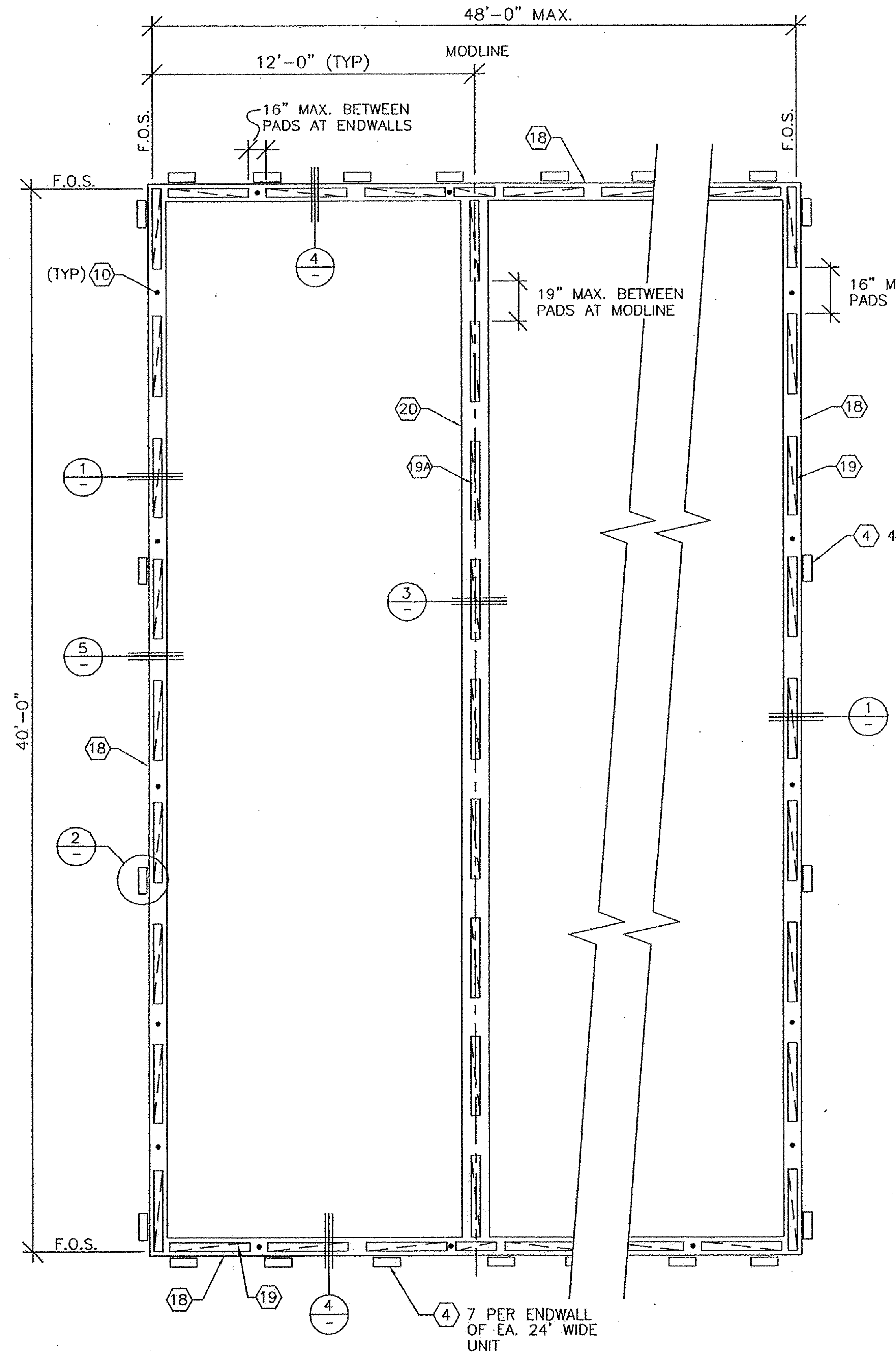
JOB #
DATE 12/1/02
DRAWN BY JAG
SCALE AS NOTED
APPROVED
REVISIONS

SHEET NO.
36-S-60



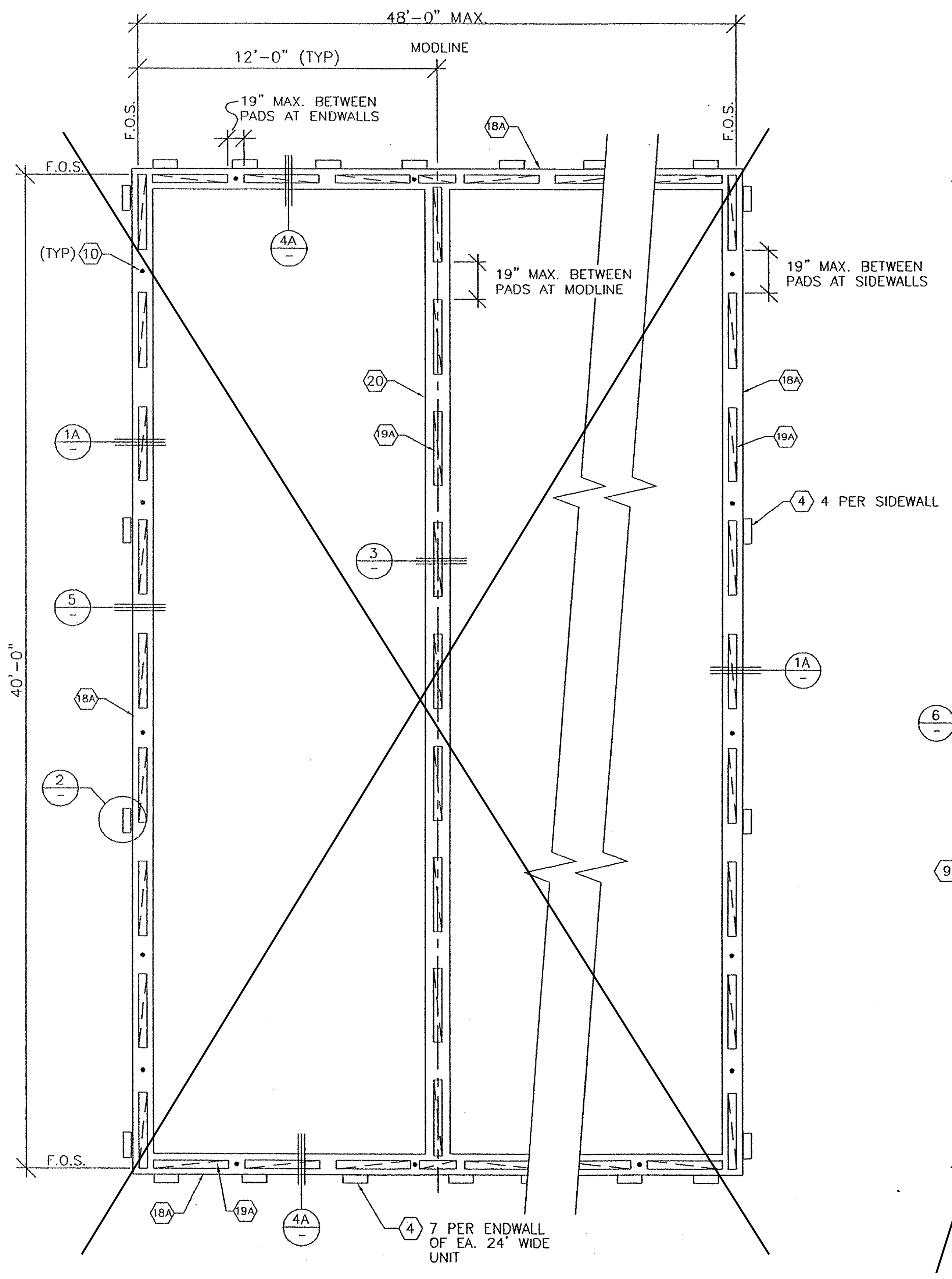
FOUNDATION PLAN W/ ADJACENT BUILDING

50 PSF FLOOR LIVE LOAD
20 PSF ROOF LOAD


48'-0" MAX.
12'-0" (TYP)
MODLINE
F.O.S.
16" MAX. BETWEEN PADS AT ENDWALLS
18
4
(TYP) 10
19" MAX. BETWEEN PADS AT MODLINE
16" MAX. BETWEEN PADS AT SIDEWALLS
20
18
19A
19
1
4 4 PER SIDEWALL
3
5
40'-0"
1
18
2
18
19
4
4 7 PER ENDWALL OF EA. 24' WIDE UNIT

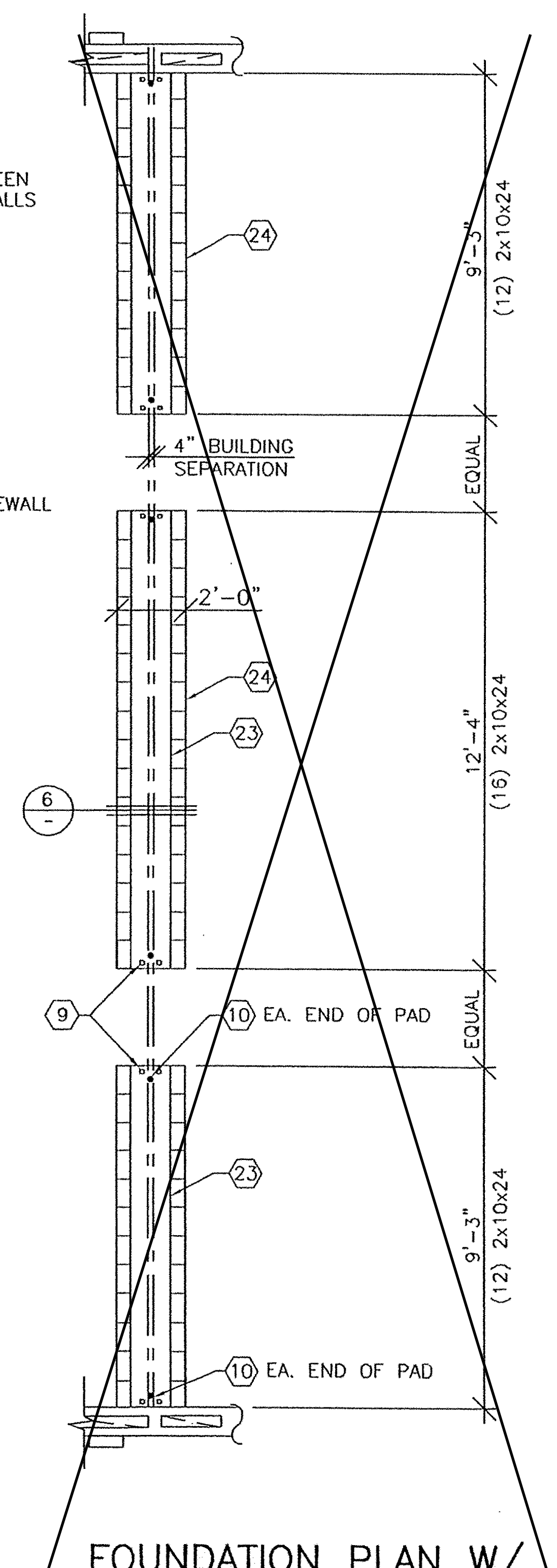
MULTI-WIDE FOUNDATION PLAN (N.T.S.)

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


48'-0" MAX.
12'-0" (TYP)
MODLINE
F.O.S.
19" MAX. BETWEEN PADS AT ENDWALLS
18A
4A
(TYP) 10
19" MAX. BETWEEN PADS AT MODLINE
19" MAX. BETWEEN PADS AT SIDEWALLS
20
18A
19A
1A
4 4 PER SIDEWALL
3
5
40'-0"
1A
18A
2
18A
19A
4A
4 7 PER ENDWALL OF EA. 24' WIDE UNIT

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

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



FOUNDATION PLAN W/ ADJACENT BUILDING

50 PSF FLOOR LIVE LOAD
30 PSF ROOF LOAD

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. 2304A.3
3. 2x4 CONTINUOUS. INTERNAIL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.

3A. 2x6 CONTINUOUS. INTERNAIL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.

4. TIE PLATE – 12"x6"x10 Ga. 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 INTO 2x MEMBER, (TYP).
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. 11/16ø" HOLE IN FLOOR JOIST FOR 5/8" x 4" LAG BOLT. (SEE SCHEDULE 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.
12. NOT USED
13. 5/8" MACHINE BOLT @ 10'-0" O.C. FOR MODULE CONNECTION.
14. PLYWOOD FLOOR DECK W/ 0.145"ø EN @ 6" O.C.

15.,16.,17. NOT USED

18. CONTINUOUS 2x8 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x4 BLOCK LOCATION.

18A. CONTINUOUS 2x10 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 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 EACH END

20. CONTINUOUS 2x12 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2X6 BLOCK LOCATION.
21. FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
22. NOT USED
23. CONTINUOUS 2x12x(SEE PLAN). NAIL (2) 16d AT EACH END AND 4" O.C.
24. 2x10x24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY)
25. CONTINUOUS 2x8 H.F. PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 BLOCK LOCATIONS.

LAG SCHEDULE

BUILDING SIZE	FLOOR LOAD	LAG BOLTS AT EA. BUILDING
24'x40'	50 PSF	4
	~~50+20 PSF~~	~~4~~
	~~100 PSF~~	~~4~~
	~~125 PSF~~	~~6~~
36'x40'	50 PSF	6
	50+20 PSF	6
	100 PSF	6
	125 PSF	8
48'x40'	50 PSF	6
	50+20 PSF	6
	100 PSF	6
	125 PSF	10

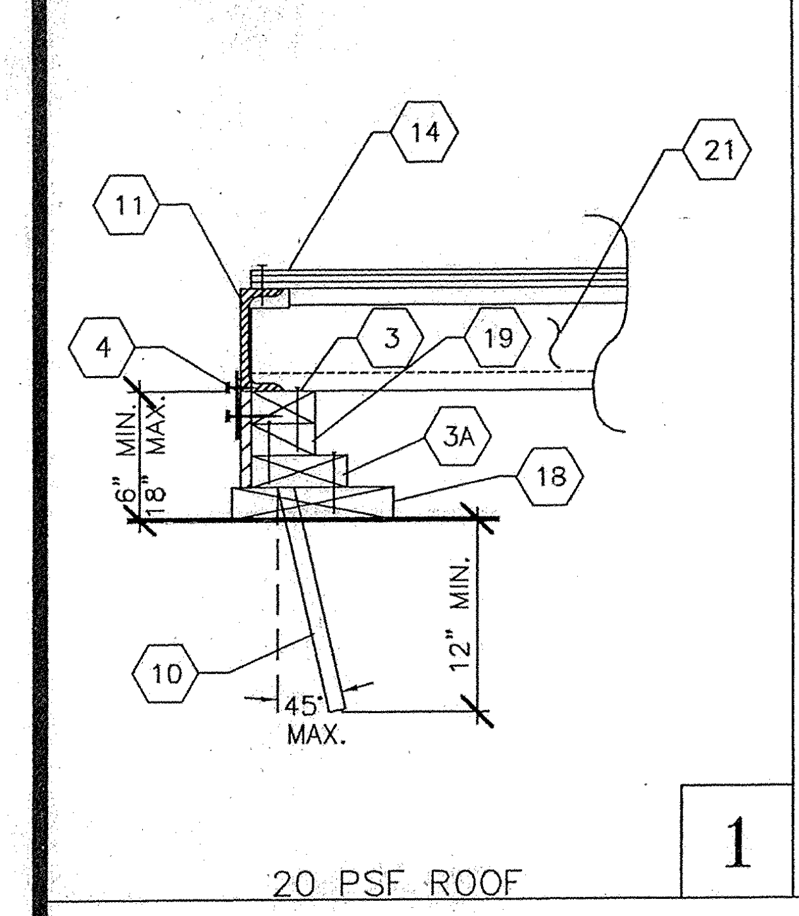
DATE SIGNED
JUL 15 2003

No. 3602
LICENSE EXPIRES 6-30-2004

FACE PLATE SCHEDULE–20 & 30 PSF ROOF

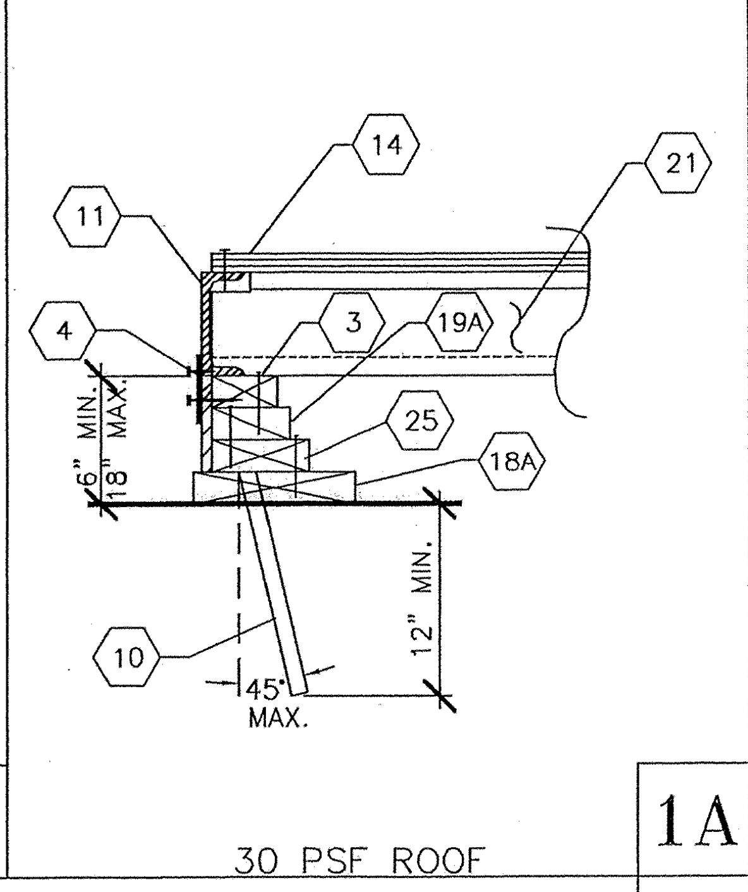
BUILDING SIZE	FLOOR LOAD	FACE PLATES AT SIDES	FACE PLATES AT ENDS
24'x40'	50 PSF	4	7
	~~50+20 PSF~~	~~4~~	~~7~~
	~~100 PSF~~	~~4~~	~~7~~
	~~125 PSF~~	~~8~~	~~8~~
36'x40'	50 PSF	6	8
	50+20 PSF	6	8
	100 PSF	6	8
	125 PSF	9	11
48'x40'	50 PSF	6	8
	50+20 PSF	6	8
	100 PSF	6	8
	125 PSF	14	14

NOTE:
THE FACE PLATES SHOWN ON THE FOUNDATION PLAN ARE FOR A 24'x40' W/ 50 PSF FLOOR LOAD. USE THE SCHEDULE ABOVE TO DETERMINE THE REQUIRED FACE PLATES FOR OTHER BUILDING SIZES AND FLOOR LOADS.



20 PSF ROOF

1

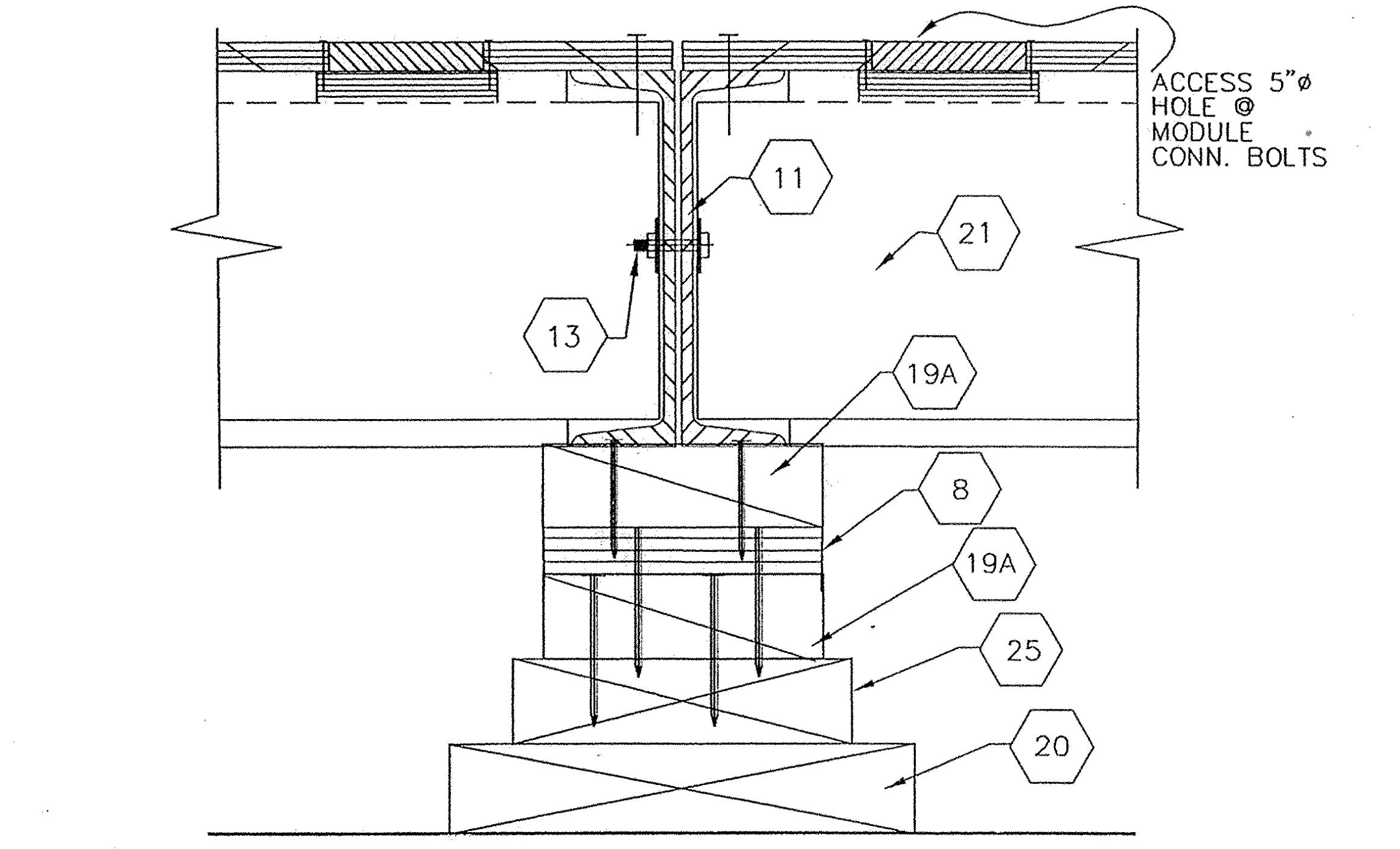


30 PSF ROOF

1A

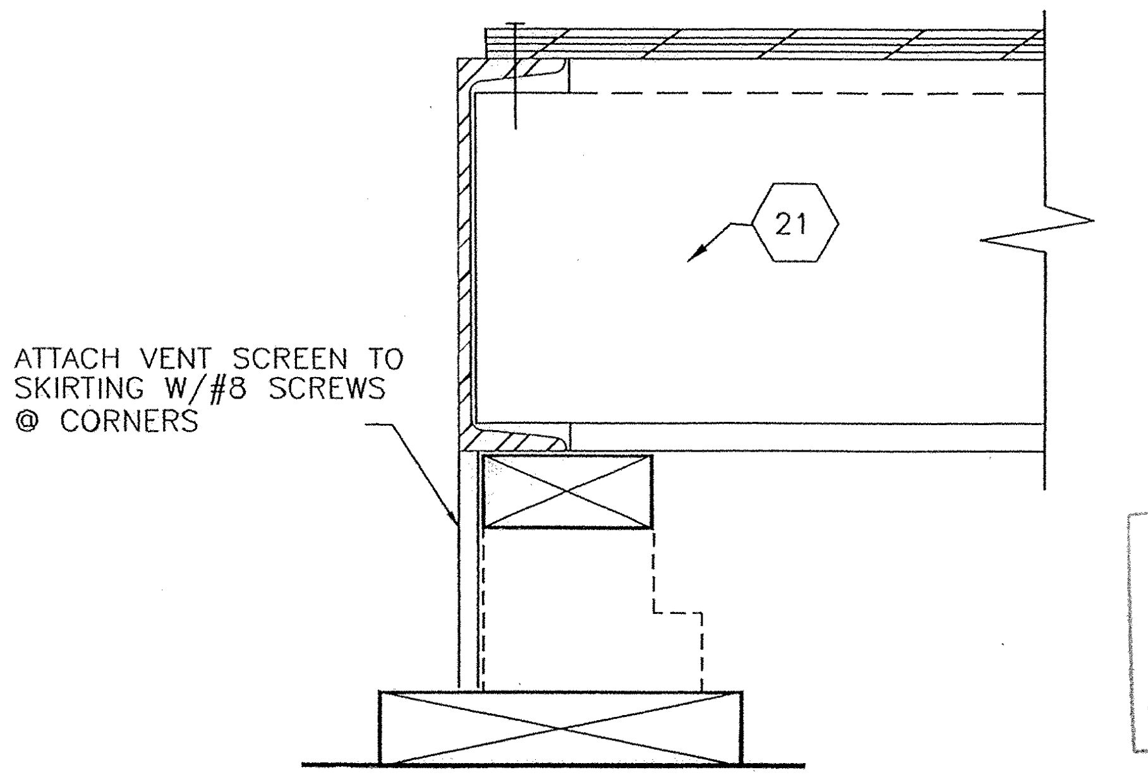
FOUNDATION AT SIDEWALL

1



FOUNDATION AT MOD LINE

3



FOUNDATION VENTING	
BLDG. SIZE	MIN. REQ.
24X40	6.4 SF
~~36X40~~	~~9.6 SF~~
~~48X40~~	~~12.8 SF~~

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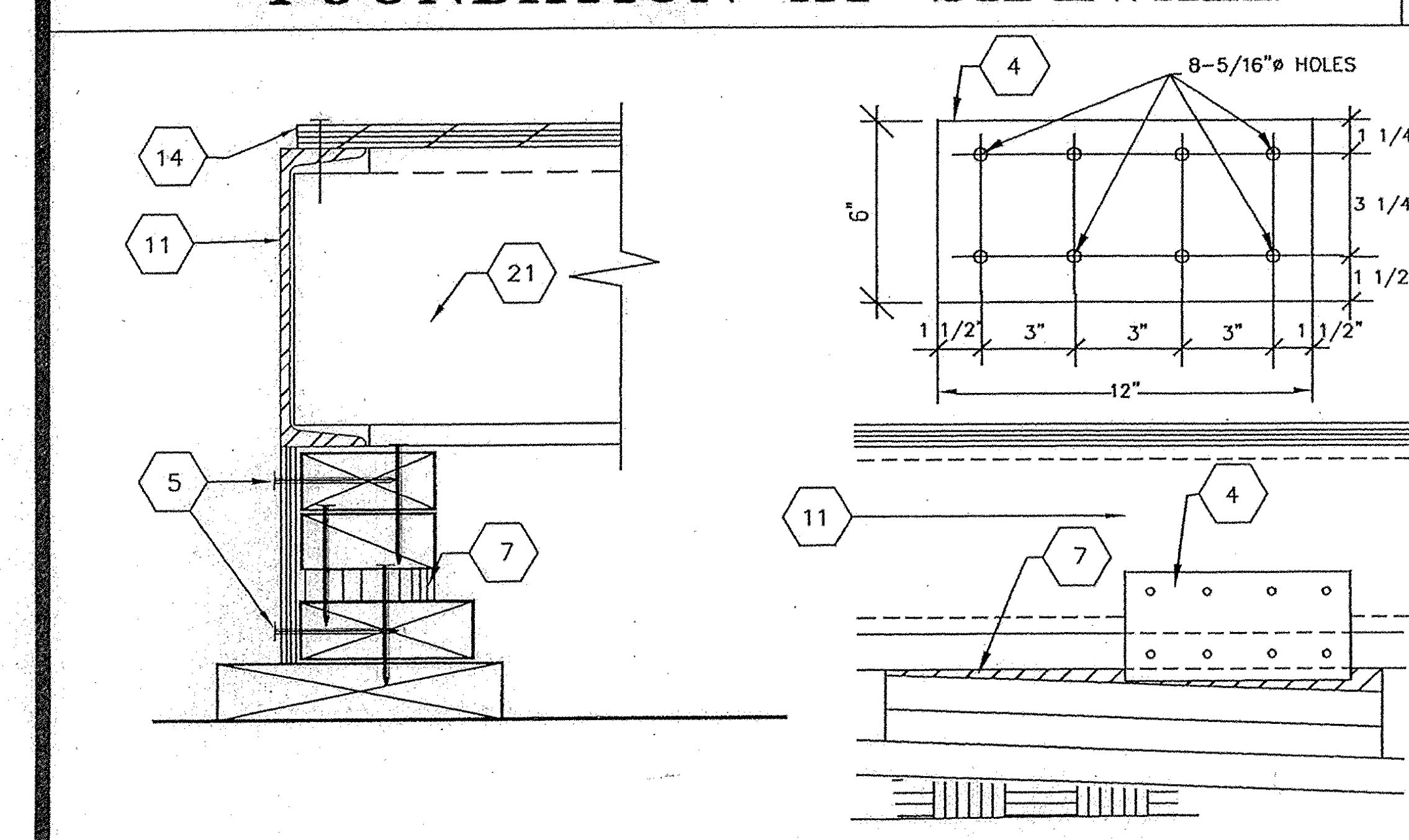
WESTERN DIVISION

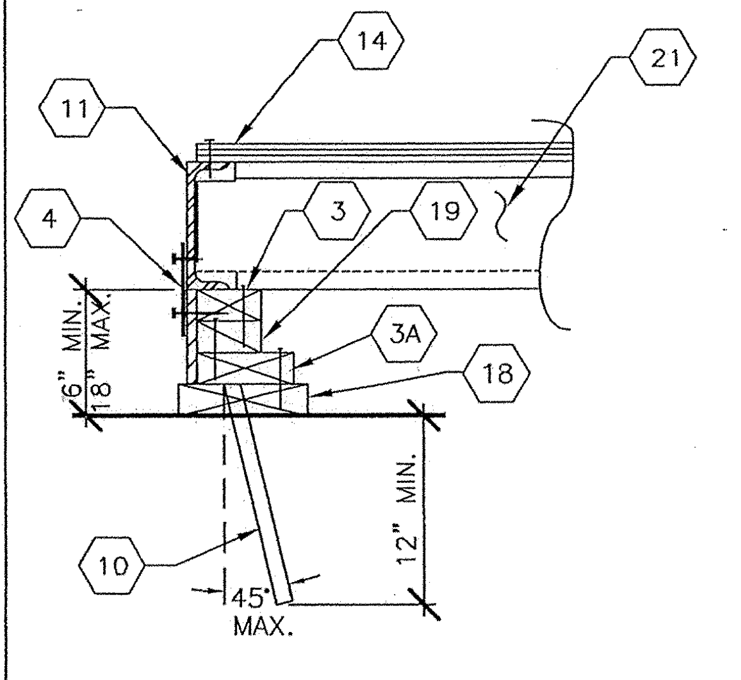
FOUNDATION VENTING

5



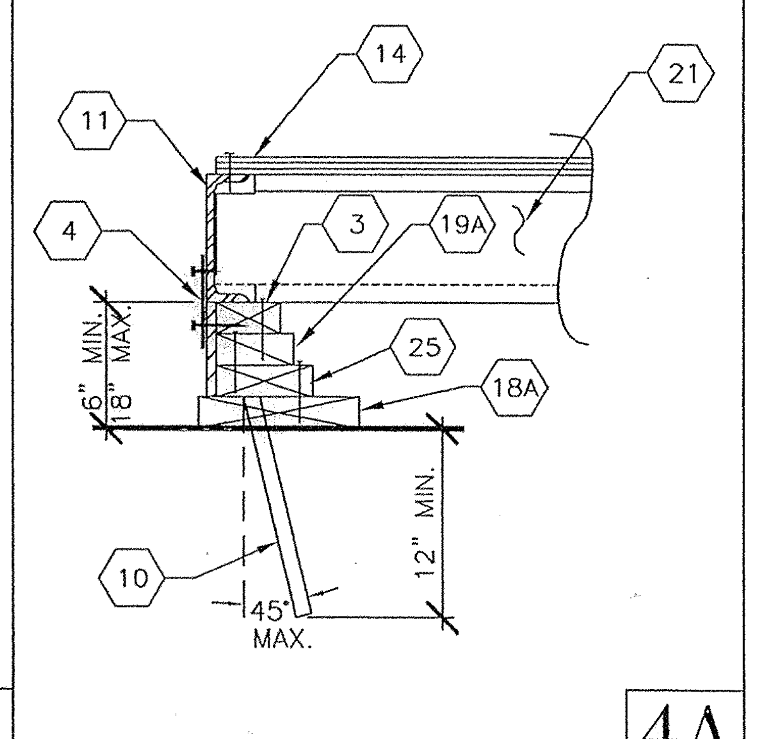
SHIMMING AND SKIRTING

2



20 PSF ROOF

4

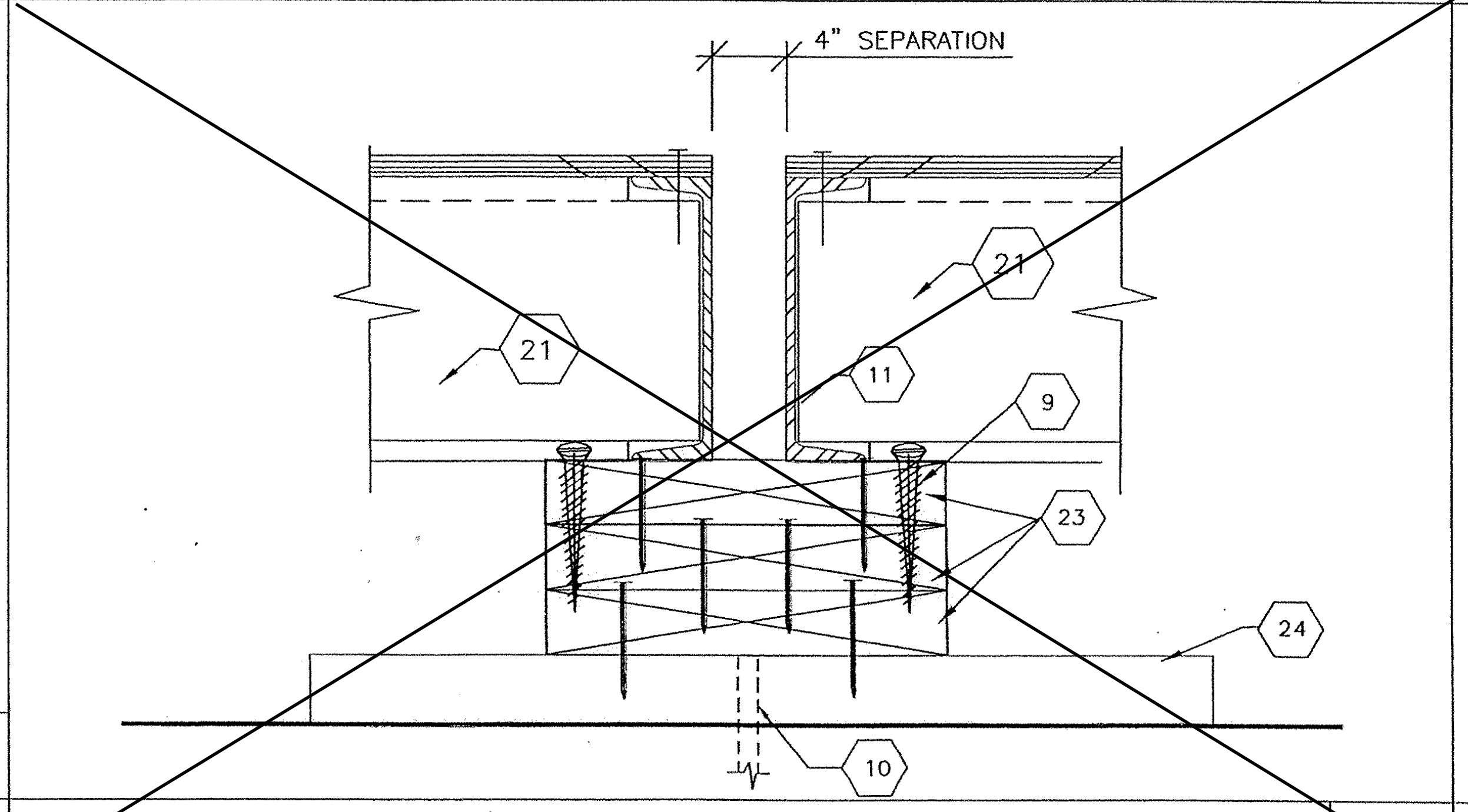


30 PSF ROOF

4A

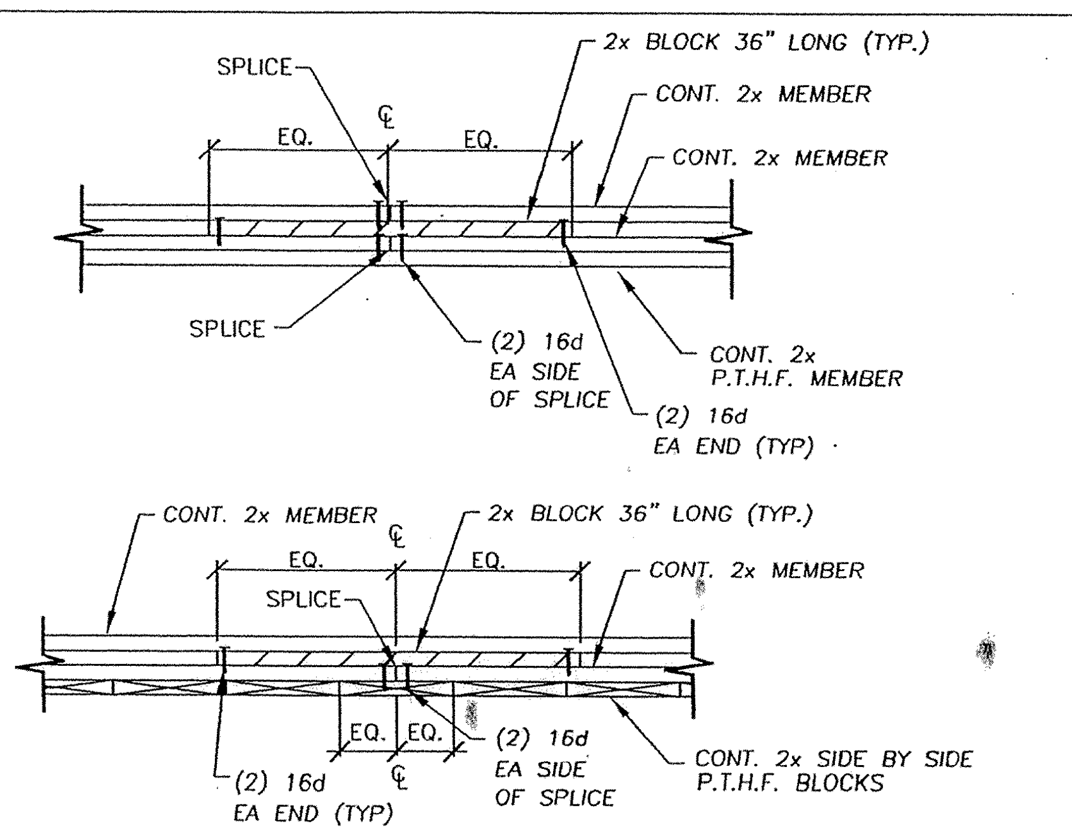
FOUNDATION AT ENDWALL

4



COMMON PAD

6



TYP. SPLICE DETAILS

7

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

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

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
4–104778
AC____ FLS____ SS KB
DATE: 5-30-03
STATE AGENCY STAMP

PROJECT:
MODULAR CLASSROOM BUILDING

TITLE & BLDG. DATA:
WOOD PAD FOUNDATION PLAN & DETAILS
W/ PLYWOOD FLOOR
WIND LOAD: 80 MPH
ROOF LOAD: 20 & 30 PSF
FLOOR LOAD: 50 PSF

JOB #
DATE 12-1-02
DRAWN BY J.C.
SCALE 1/4"=1'-0"
APPROVED
REVISIONS

SHEET NO.
36-F-1

BUILDING 37

AURORA

RELOCATABLE CLASSROOM BUILDINGS

24 x 40

~~36 x 40~~

~~48 x 40~~

WILLSCOT
FROM STOCKPILE TO SITE SPECIFIC
RELOCATION PACKAGE
BAKERSFIELD SD - CESAR CHAVEZ ES
(x1) 24x40 L.H. CLASSROOM BLDG
Sn: 27028-29

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 [illegible]. THESE STRUCTURES ARE DESIGNED PER THE MODIFIED REQUIREMENTS TEMPORARY FOUNDATIONS (U.N.O.).
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. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
4. TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
5. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.
6. ALL ELEVATIONS ARE REFERENCE FROM TOP OF FINISH FIRST FLOOR ELEVATION =0'-0"
7. PROVIDE INSPECTIONS, TEST AND REPORTS IN ACCORDANCE WITH THE CCR TITLE 24, PART 2 AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1.
8. 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 2212A.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.
9. ALL REQUIRED INSPECTIONS AND TEST ARE THE RESPONSIBILTY OF THE OWNER. ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY THE TITLE 24, PART 1, CHAPTER 4, GROUP 1
10. DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED AS AN AID IN INTERPRETING THE DRAWINGS ONLY. DRAWING SCALES GIVEN ARE APPROXIMATE- DO NOT SCALE PLANS OR DETAILS.
11. WHEN MODULE IS RELOCATED- DO NOT RE-INSTALL NAILS OR SCREWS IN EXISTING HOLES.
12. INSULATION-FIBERGLASS BATTS, R-19 IN ROOF, R-11 IN WALLS AND R-11 IN FLOOR, FLAME SPREAD- 0-25, SMOKE DEVELOPED, FUEL CONTRIBUTED- 0-450. (SEC. 707 1995 CBC)
13. ROOFING- THE ROOFING SHALL COMPLY ACCORDING TO TABLE 15-A, 1995 CBC
14. WHEN BUILDING REQUIRES PLUMBING-18" MIN. REQUIRED FROM BOTTOM OF STEEL TO TOP OF GRADE UNDER BUILDING.

GENERAL REQUIREMENTS

The ARCHITECT / ENGINEER in general resposible charge shall sign and seal all drawings and specifications.

Changes to the approved drawings and specifications shall be made by an addenda or a change order approved by the Department of The State Architect as required by Section 4-338, Part 1, Title 24, CCR.

All work shall conform to Title 24, California Code of Requirements (CCR)

A project inspector employed by the district (owner) and approved by the Department 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.

An inspector who is specially qualified in mechanical and electrical work will be required for this project.

Grading plans, drainage improvements, road and access requirements and enviromental health considerations shall comply with all local ordinances.

FIRE ALARM NOTES

FIRE ALARM SYSTEM REQUIREMENTS

Note: Location of building to comply with chapter 5 - provision for site. Adjacent buildings property lines, exterior walls and openings. Allowable square footage not to exceed CBC 505.3 provision of access to public street by 20 feet unobstructed right of way.

The submittal shall be per D.S.A. policy #95-03

In fire alarm submittal, an audible and manual component shall be within maximum distance on site, placement of building may require these components

Fire alarm system shall comply with 1994 UBC w/ 1997 amendments sec. 305 & NFPA 72 1993 edition and part 3. Article 760 California Code of Regulations.

Specify type of system which is being installed in accordance with the above provisions.

Provide floor plan(s) showing locations of all components and a riser diagram Plans shall provided by architect or responsible person in charge. Not by portable building manufacturer.

Provide State Fire Marshall listing numbers and manufacturers numbers for every fire alarm system component.

Provide battery calculations.

Emergency warning devices are required for the hearing impaired per Sec. 3504.1 (a)

Connect fire alarm into existing fire alarm system. All wiring shall be part of site provision.

Audible shall comply with California and Educational Code for audible signal per T-24 part 9 California Fire Code.

Portable building manufactuer shall provide junction box and empty conduit with pull string for fire alarm. School district will provide their own fire alarm system under their DSA project.

NFPA 13- Automatic Sprinkler Systems,	1996 Edition
NFPA 14- Standpipes Systems,	1993 Edition
NFPA 17A- Wet Chemical Systems,	1990 Edition
NFPA 24- Private Fire Mains,	1992 Edition
(California Amended) NFPA 72- National Fire Alarm Codes,	1996 Edition
NFPA 253- Critical Radiant Flux of Floor Covering Systems,	1989 Edition
NFPA 2001- Clean Agent Fire Extinguishing Systems,	1994 Edition

APPLICABLE CODES

1998 Bulding Standards Administrative Code, Part 1, Title 24 C.C.R.

1998 California Building Code (CBC), Part 2, Title 24 C.C.R.; (1997 Uniform Building Code volumns 1-3 and 1998 California Amendments)

1998 California Electrical Code (CEC), Part 3, Title 24 C.C.R. (1996 National Electrical Code and 1998 California Amendments)

1998 California Mechanical Code (CMC), Part 4, Title 24 C.C.R.; (1994 Uniform Mechanical Code and 1998 California Amendments)

1998 California Plumbing Code (CPC), Part 5, Title 24 C.C.R.; (1994 Uniform Plumbing Code and 1998 California Amendments)

1998 California Fire Code (CFC), Part 9, Title 24 C.C.R.; (1994 Uniform Fire Code and 1998 California Aendments)

1998 California Referenced Standards Code, Part 12,Title 24 C.C.R.

1990 Title 19, CCR, Public Safety, state Fire Marshall Regulations

BLDG. DATA (50 LBS STANDARD)

OCCUPANCY	E-1
TYPE OF CONSTRUCTION	V - NON RATED
WIND LOAD	70 m.p.h. EXPOSURE 'C' AS SHOWN
~~WIND LOAD~~	~~80 m.p.h. EXPOSURE 'C' AS NOTED~~
FLOOR LIVE LOAD	50 lbs/sq. ft.
ROOF LIVE LOAD	20 lbs/sq. ft.
SYSTEM:	RIGID FRAME
MODULES:	TWO 12'x 40'
~~MODULES:~~	~~THREE 12'x 40'~~
~~MODULES:~~	~~FOUR 12'x 40'~~
FOUNDATION:	WOOD
~~FOUNDATION:~~	~~CONCRETE~~
~~FOUNDATION:~~	~~FLUSH W/ GRADE CONCRETE~~
BUILDING DATA	960 sq. ft. (24x40)
~~BUILDING DATA~~	~~1440 sq. ft. (36x40)~~
~~BUILDING DATA~~	~~1920 sq. ft. (48x40)~~

BLDG. DATA (50 PSF+20 LBS PARTITIONS OPTION)

OCCUPANCY	E-1
TYPE OF CONSTRUCTION	V - NON RATED
WIND LOAD	70 m.p.h. EXPOSURE 'C' AS SHOWN
WIND LOAD	80 m.p.h. EXPOSURE 'C' AS NOTED
FLOOR LIVE LOAD	50 lbs/sq. ft. + 20 LBS. PARTITIONS
ROOF LIVE LOAD	20 lbs/sq. ft.
SYSTEM:	RIGID FRAME
MODULES:	TWO 12'x 40'
MODULES:	THREE 12'x 40'
MODULES:	FOUR 12'x 40'
FOUNDATION:	WOOD
FOUNDATION:	CONCRETE
FOUNDATION:	FLUSH W/ GRADE CONCRETE
BUILDING DATA	960 sq. ft. (24x40)
BUILDING DATA	1440 sq. ft. (36x40)
BUILDING DATA	1920 sq. ft. (48x40)

BLDG. DATA (125 PSF OPTION)

OCCUPANCY	E-1
TYPE OF CONSTRUCTION	V - NON RATED
WIND LOAD	70 m.p.h. EXPOSURE 'C' AS SHOWN
WIND LOAD	80 m.p.h. EXPOSURE 'C' AS NOTED
FLOOR LIVE LOAD	125 lbs/sq. ft.
ROOF LIVE LOAD	20 lbs/sq. ft.
SYSTEM:	RIGID FRAME
MODULES:	TWO 12'x 40'
MODULES:	THREE 12'x 40'
MODULES:	FOUR 12'x 40'
FOUNDATION:	WOOD
FOUNDATION:	CONCRETE
FOUNDATION:	FLUSH W/ GRADE CONCRETE
BUILDING DATA	960 sq. ft. (24x40)
BUILDING DATA	1440 sq. ft. (36x40)
BUILDING DATA	1920 sq. ft. (48x40)

SYMBOLS LIST

⬡	KEYNOTES
◇	DOOR No.
◇	WINDOW TYPE
⊖	DETAIL # / SHEET #
⊖	ELEVATION # / SHEET #

SHEET INDEX

CBC 1998

PC

ARCHITECTURAL

- 37-0 COVER SHEET, SHEET INDEX, & BUILDING DATA
- 37-A1.0 FLOOR PLANS (24x40)
- ~~A1.1 FLOOR PLANS (36x40)~~
- ~~A1.2 FLOOR PLAN (48x40)~~
- 37-A2.0 EXTRIOR ELEVATIONS - MONO AND GABLE ROOF (24x40)
- ~~A2.1 EXTRIOR ELEVATIONS - MONO AND GABLE ROOF (36x40)~~
- ~~A2.2 EXTRIOR ELEVATIONS - MONO AND GABLE ROOF (48x40)~~
- ~~A2.3 EXTRIOR ELEVATIONS - MONO AND GABLE ROOF (24x40) - STUCCO EXTERIOR~~
- ~~A2.4 EXTRIOR ELEVATIONS - MONO AND GABLE ROOF (36x40) - STUCCO EXTERIOR~~
- ~~A2.5 EXTRIOR ELEVATIONS - MONO AND GABLE ROOF (48x40) - STUCCO EXTERIOR~~
- A3.0 INTERIOR ELEVATIONS (24x40)
- ~~A3.1 INTERIOR ELEVATIONS (36x40)~~
- ~~A3.2 INTERIOR ELEVATIONS (48x40)~~
- 37-A4.0 GABLE ROOF PLANS (24x40, 36x40 & 48x40)
- ~~A4.1 MONO SLOPE ROOF PLANS (24x40, 36x40 & 48x40)~~
- A5.0 REFLECTED CEILING PLAN AND DETAILS (24x40)
- ~~A5.1 REFLECTED CEILING PLAN AND DETAILS (36x40)~~
- ~~A5.2 REFLECTED CEILING PLAN AND DETAILS (48x40)~~

STRUCTURAL

- 37-F-1 FOUNDATION PLANS (WOOD 50 LBS. LIVE LOAD)
- ~~F-2 FOUNDATION PLANS (WOOD 50 LB. L. L. + 20 LBS. PARTITIONS)~~
- ~~F-3 FOUNDATION PLANS (WOOD 125 LBS. LIVE LOAD)~~
- 37-F-4 FOUNDATION PLAN DETAILS (WOOD)
- ~~F-5 FOUNDATION PLANS (CONC. 50 LB. L. L. ABOVE GRADE)~~
- ~~F-6 FOUNDATION PLANS (CONC. 50 LB. L. L. + 20 LBS. PARTITIONS, ABOVE GRADE)~~
- ~~F-7 FOUNDATION PLANS (CONC. 125 LB. L. L. ABOVE GRADE)~~
- ~~F-8 FOUNDATION PLAN DETAILS (CONC. ABOVE GRADE)~~
- ~~F-9 FOUNDATION PLANS (CONC. 50 LB. L. L. FLUSH WITH GRADE)~~
- ~~F-10 FOUNDATION PLANS (CONC. 50 LB. L. L. + 20 LBS. PARTITIONS, FLUSH WITH GRADE)~~
- ~~F-11 FOUNDATION PLANS (CONC. 125 LB. L. L. FLUSH WITH GRADE)~~
- ~~F-12 FOUNDATION PLANS (CONC. FLUSH WITH GRADE)~~
- S1.0 BUILDING SECTIONS AND WALL FRAMING - 24x40 GABLE ROOF (WOOD STUDS)
- ~~S1.1 BUILDING SECTIONS AND WALL FRAMING - 36x40 GABLE ROOF (WOOD STUDS)~~
- ~~S1.2 BUILDING SECTIONS AND WALL FRAMING - 48x40 GABLE ROOF (WOOD STUDS)~~
- ~~S1.3 BUILDING SECTIONS AND WALL FRAMING - 24x40 MONO SLOPE ROOF (WOOD STUDS)~~
- ~~S1.4 BUILDING SECTIONS AND WALL FRAMING - 36x40 MONO SLOPE ROOF (WOOD STUDS)~~
- ~~S1.5 BUILDING SECTIONS AND WALL FRAMING - 48x40 MONO SLOPE ROOF (WOOD STUDS)~~
- ~~S1.6 [illegible]~~
- ~~S2.0 BUILDING SECTIONS AND WALL FRAMING - 24x40 GABLE ROOF (STEEL STUDS)~~
- ~~S2.1 BUILDING SECTIONS AND WALL FRAMING - 36x40 GABLE ROOF (STEEL STUDS)~~
- ~~S2.2 BUILDING SECTIONS AND WALL FRAMING - 48x40 GABLE ROOF (STEEL STUDS)~~
- ~~S2.3 BUILDING SECTIONS AND WALL FRAMING - 24x40 MONO SLOPE ROOF (STEEL STUDS)~~
- ~~S2.4 BUILDING SECTIONS AND WALL FRAMING - 36x40 MONO SLOPE ROOF (STEEL STUDS)~~
- ~~S2.5 BUILDING SECTIONS AND WALL FRAMING - 48x40 MONO SLOPE ROOF (STEEL STUDS)~~
- S3.0 TYPICAL DETAILS (WOOD STUDS)
- ~~S3.1 TYPICAL DETAILS (STEEL STUDS)~~
- ~~S3.2 TYPICAL DETAILS (1 HR. WOOD STUDS)~~
- ~~S3.3 TYPICAL DETAILS (1 HR. STEEL STUDS)~~
- ~~S3.4 TYPICAL DETAILS (WOOD STUDS, STUCCO FINISH)~~
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- ~~S3.6 TYPICAL DETAILS (WOOD STUDS, STO FINISH)~~
- S4.0 FLOOR FRAMING, ROOF FRAMING & STRUCTURAL ELEVATIONS (GABLE ROOF, 70 MPH)
- ~~S4.1 FLOOR FRAMING, ROOF FRAMING & STRUCTURAL ELEVATIONS (MONO SLOPE ROOF, 70 MPH)~~
- ~~S4.2 FLOOR FRAMING, ROOF FRAMING & STRUCTURAL ELEVATIONS (GABLE ROOF, 80 MPH)~~
- ~~S4.3 FLOOR FRAMING, ROOF FRAMING & STRUCTURAL ELEVATIONS (MONO SLOPE ROOF, 80 MPH)~~
- ~~S4.4 CONCRETE FLOOR FRAMING AND DETAILS~~
- 37-S5.0 STEEL TRUSS SECTION AND DETAILS (GABLE ROOF)
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- 37-S6.1 STRUCTURAL DETAILS - 22 GA.ROOFING (WOOD STUDS)
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- ~~S6.4 STRUCTURAL DETAILS - 22 GA. ROOFING (STEEL STUDS)~~
- ~~S6.5 STRUCTURAL DETAILS - 26 GA. ROOFING (STEEL STUDS)~~
- ~~S6.6 STRUCTURAL DETAILS - BUILT UP ROOFING (1 HR. WOOD STUDS)~~
- ~~S6.7 STRUCTURAL DETAILS - 22 GA. ROOFING (1 HR. WOOD STUDS)~~
- S6.8 STRUCTURAL DETAILS - 26 GA. ROOFING (1 HR. WOOD STUDS)
- ~~S6.9 STRUCTURAL DETAILS - BUILT-UP ROOFING (1 HR. STEEL STUDS)~~
- ~~S7.0 STRUCTURAL DETAILS - 22 GA. ROOFING (1 HR. STEEL STUDS)~~
- ~~S7.1 STRUCTURAL DETAILS - 26 GA. ROOFING (1 HR. STEEL STUDS)~~
- ~~S7.2 STRUCTURAL DETAILS - BUILT-UP ROOFING (STUCCO FINISH, WOOD STUDS)~~
- ~~S7.3 STRUCTURAL DETAILS - 22 GA. ROOFING (STUCCO FINISH, WOOD STUDS)~~
- ~~S7.4 STRUCTURAL DETAILS - 26 GA. ROOFING (STUCCO FINISH, WOOD STUDS)~~
- ~~S7.5 STRUCTURAL DETAILS - BUILT-UP ROOFING (STUCCO FINISH, STEEL STUDS)~~
- ~~S7.6 STRUCTURAL DETAILS - 22 GA. ROOFING (STUCCO FINISH, STEEL STUDS)~~
- ~~S7.7 STRUCTURAL DETAILS - 26 GA. ROOFING (STUCCO FINISH, STEEL STUDS)~~
- ~~S7.8 STRUCTURAL DETAILS - BUILT-UP ROOFING (STO FINISH, WOOD STUDS)~~
- ~~S8.0 PARAPET FRAMING, SOFFIT FRAMING AND DETAILS~~
- ~~S8.1 PARAPET FRAMING, SOFFIT FRAMING AND DETAILS~~
- ~~S9.0 MECHANICAL ROOF SCREENS LAYOUT AND DETAILS~~

ELECT.

- E1.0 ELECTRICAL POWER & LIGHTING PLAN, AND PANEL SCHEDULE (24x40)
- ~~E1.1 ELECTRICAL POWER & LIGHTING PLAN, AND PANEL SCHEDULE (36x40)~~
- ~~E1.2 ELECTRICAL POWER & LIGHTING PLAN, AND PANEL SCHEDULE (48x40)~~

SPEC'S & FINISH SCHEDULE

- 9 SPECIFICATIONS AND HVAC INFORMATION
- 9.1 EXTERIOR, INTERIOR FINISH SCHEDULES AND DOOR HARDWARE

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- ~~R1.0a RAMP PLAN AND DETAILS (STEEL DECKING)~~
- ~~R1.0b RAMP PLAN AND DETAILS (WOOD DECKING)~~
- ~~R1.1a RAMP PLAN AND DETAILS (METAL DECKING)~~
- ~~R1.1b RAMP PLAN AND DETAILS (WOOD DECKING)~~
- ~~R2.0 RAMP PLAN (METAL DECKING)~~
- ~~R2.1 RAMP PLAN DETAILS (METAL DECKING)~~
- ~~R3.0 RAMP PLAN (WOOD DECKING)~~
- ~~R3.1 RAMP PLAN DETAILS (WOOD DECKING)~~
- ~~R4.0 RAMP PLAN AND DETAILS (CONCRETE)~~

MECH. PLANS

- M-1 MECHANICAL PLANS (24x40)
- ~~M-2 MECHANICAL PLANS (36x40)~~
- ~~M-3 MECHANICAL PLANS (48x40)~~
- ~~M-4 MECHANICAL PLAN - Roof Mounted (24x40)~~
- ~~M-5 MECHANICAL PLAN - Roof Mounted (36x40)~~
- ~~M-6 MECHANICAL PLAN - Roof Mounted (36x40)~~
- ~~M-7 MECHANICAL PLAN - Roof MTD. (48x40)~~
- ~~M-8 MECHANICAL PLAN - Roof MTD. (48x40)~~

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ACP: D.Fulesan

STRUCT. ENGINEER

JAMES T. SIMPSON
No 3602
LICENSE EXPIRES 6-30-2000

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
16833 Kramaria Ave., Riverside, CA 92504
Phone (909) 789-7196
Fax (909) 789-0263

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

COVER SHEET,
SHEET INDEX,
BUILDING DATA

BY LA DATE 12-6-95

SHEET
37-0

4278
CAD. FILE NO. PC253-0.DWG

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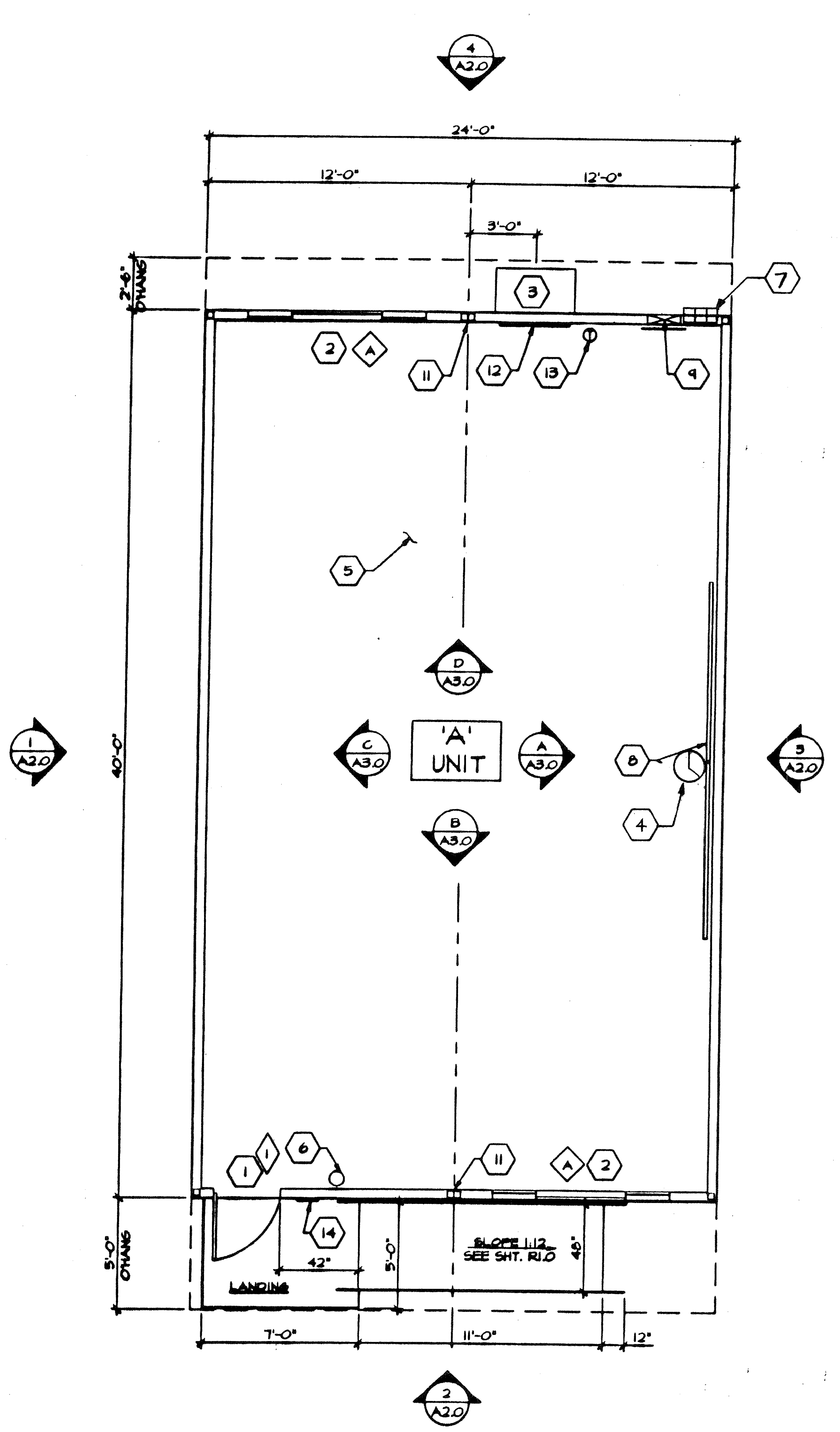

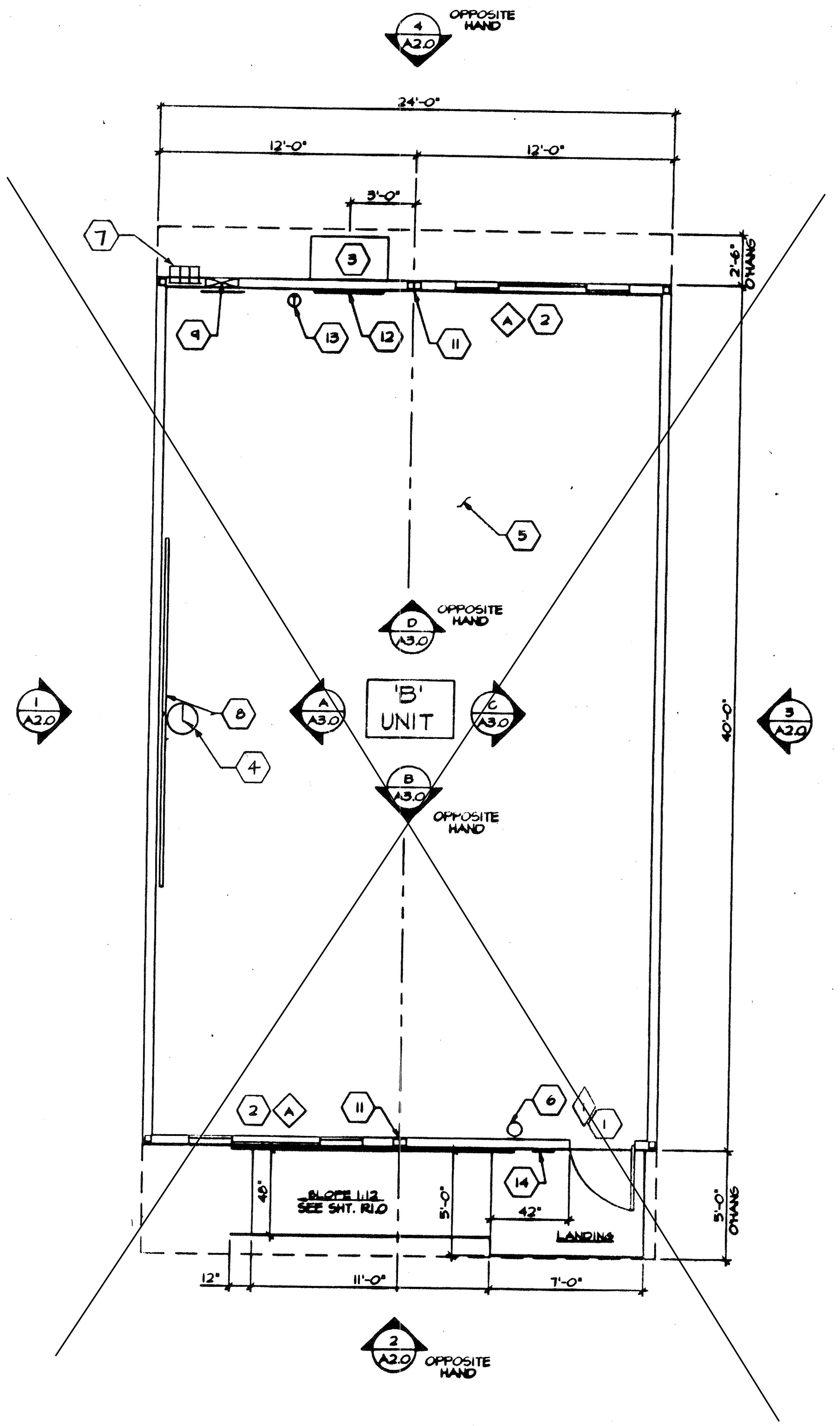

FLOOR PLANS (24x40)

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

KEYNOTES

PC

1 EXTERIOR DOOR- SEE SHEET 9.1
2 ALUMINUM SLIDER WINDOW- SEE SHEET 9.1
3 WALL MOUNTED ELECTRIC HEAT PUMP, SEE SHEET
4 WALL CLOCK, SEE SHEET E1.0
5 FINISH FLOORING- SEE SHEET 9.1
6 FIRE EXTINGUISHER- 5 lb DRY CHEMICAL WITH 2A-10B-C UL RATING. F.E. HANDLE @ 48" A.F.F.
7 3 COMPARTMENT BOX- SEE SHEET E1.0.
8 MARKERBOARD - SEE SHEET 9.1
9 ELECTRICAL PANEL 'A'- SEE SHEET E1.0
10 26 GA. GUTTER AND DOWNSPOUT.
11 VINYL WRAPPED CLOSE-OFF BATT.
12 HVAC RETURN.
13 THERMOSTAT, SEE SHEET 1.0
14 ACCESS SIGN (SEE DETAIL 16 SHEET S3.0)

NOTE:
RAMPS NEEDED ACCORDINGLY TO SITE CONDITIONS. STANDARD RAMP DESIGN SHOWN FOR REFERENCE ONLY- SEE RAMP SHEETS FOR ALTERNATE RAMP DESIGN.

D.S.A.

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STRUCT. ENGINEER

JAMES T. SIMPSON
No 3002
LICENSE EXPIRES 6-30-2000

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AURORA MODULAR INDUSTRIES
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Phone (909) 789-7196
Fax (909) 789-0263

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

FLOOR PLAN
(24x40)

BY JA DATE 12-6-99

SHEET

37-A1.0

4278

C.A.D. FILE NO.

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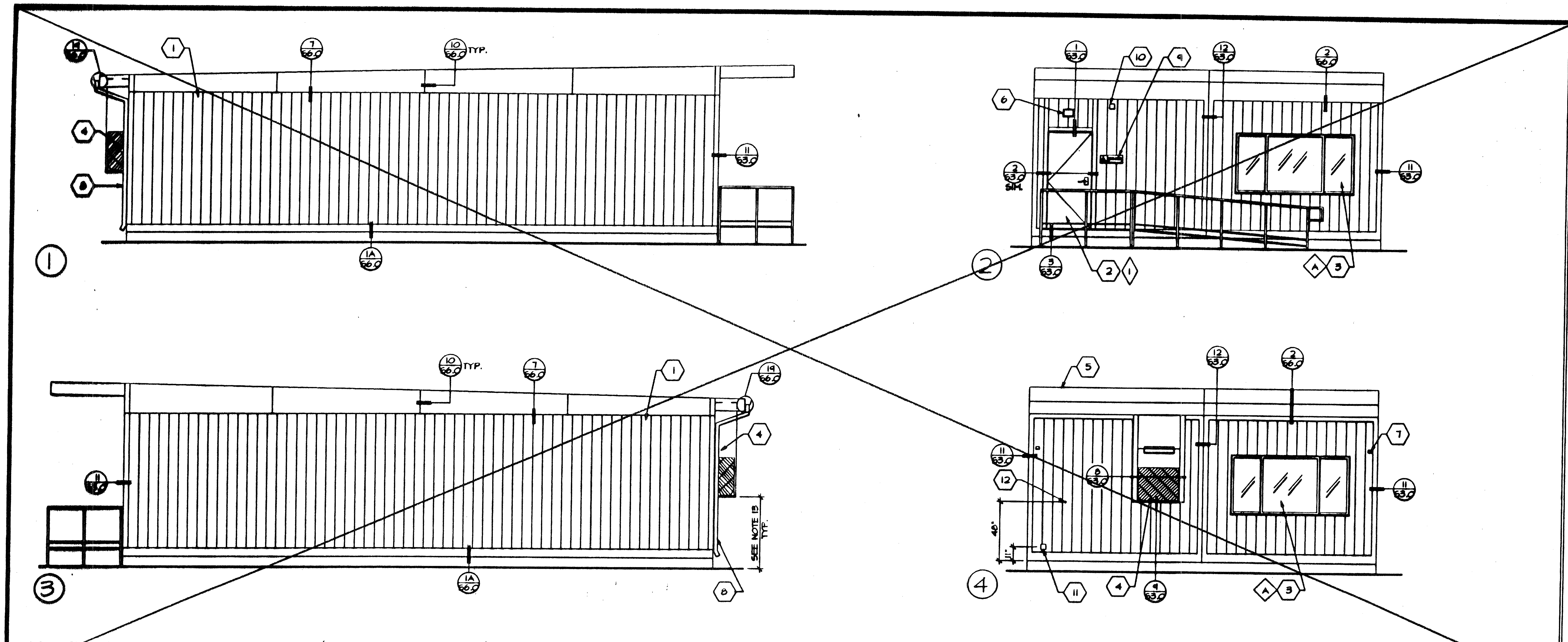
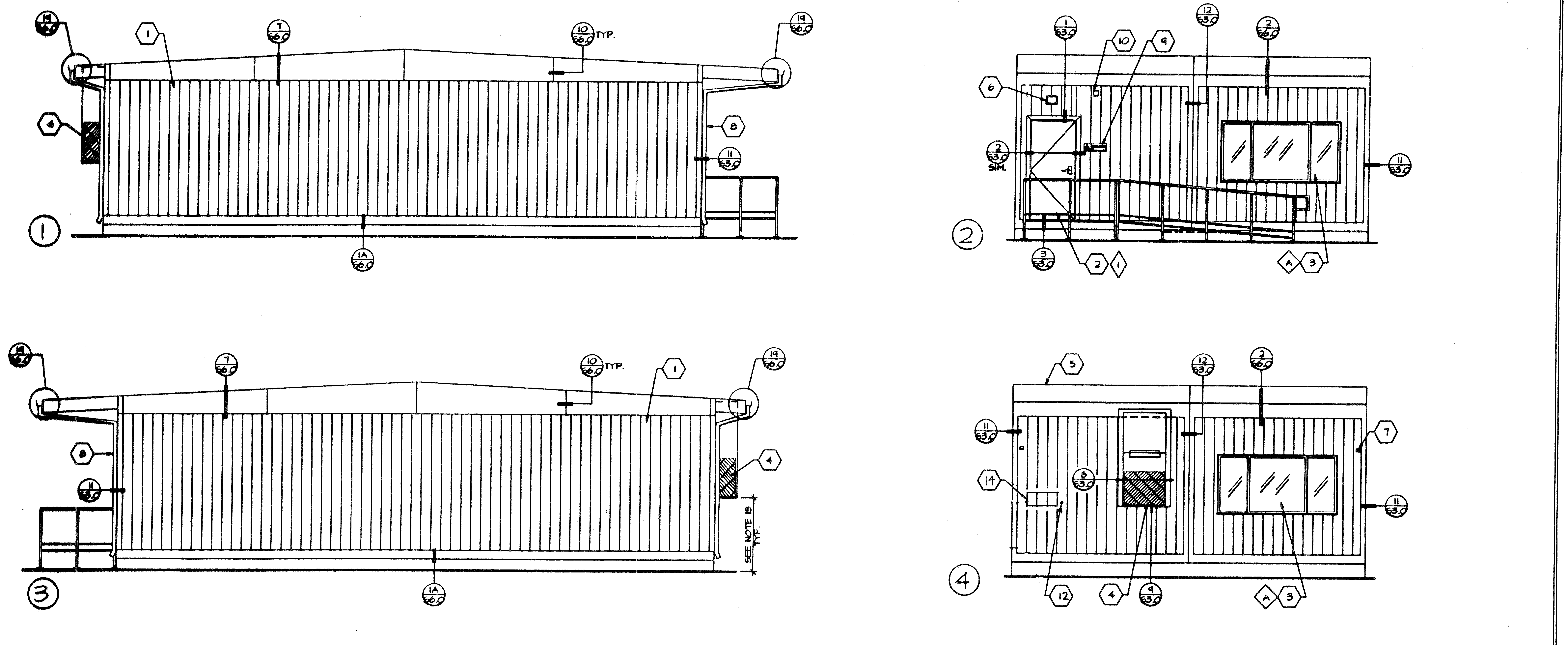


EXTERIOR ELEVATIONS (MONO SLOPE) 24x40

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



EXTERIOR ELEVATIONS (GABLE) 24x40

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

CBC 1998

PC

KEYNOTES

1 TYPICAL EXTERIOR FINISH- SEE SHEET 9.1
2 EXTERIOR DOOR- SEE SHEET S9.1
3 ALUMINUM SLIDER WINDOW- SEE SHEET 9.1
4 WALL MOUNTED ELECTRIC HEAT PUMP- SEE SHEET S4.0
5 ROOFING- SHEET 9.1
6 EXTERIOR LIGHT MOUNTED ABOVE DOOR- SEE SHEET E1.0
7 METAL TAG ON ALL MODULES MECHANICALLY ATTACHED TO EXTERIOR OF REAR FRAME, @ 8'-0" A.F.F. SHOWING DSA APP. #, MANUFACTURERS NAME AND UNIT SERIAL NUMBER.
8 26 ga. DOWNSPOUT.
9 ACCESS SIGN (SEE DETAIL 14 SHEET S3.0) (NOT BY PORTABLE MANUFACTURER)
10 FIRE ALARM HORN OR BELL LOCATED @ 8'-6" ON THE EXTERIOR. CONDUIT TO BE STUBBED INTO ATTIC SPACE ONLY.
11 JUNCTION BOX FOR FIRE ALARM- SEE SHEET E1.0
12 ELECTRICAL POINT OF CONNECTION
13 IF HVAC UNIT IS LOCATED IN ANY PATH OF TRAVEL, PROVIDE PROTECTION FROM OVERHEAD HAZARD IF DIMENSION IS GREATER THAN 27" A.F.S.
14. 3 COMPARTMENT BOX- SEE SHEET E1.0

NOTE:
RAMPS NEEDED ACCORDINGLY TO SITE CONDITIONS. STANDARD RAMP DESIGN SHOWN FOR REFERENCE ONLY- SEE RAMP SHEETS FOR ALTERNATE RAMP DESIGN.

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STRUCT. ENGINEER

JAMES T. SIMPSON
No. 3602
STRUCTURAL
LICENSE EXPIRES 6-30- 2000

ARCHITECT

CHANGE ORDER

CHECKED BY

16833 Krameria Ave., Riverside, CA 92504
Phone (909) 789-7196
Fax (909) 789-0263
AURORA MODULAR INDUSTRIES

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

EXTERIOR
ELEVATIONS
(24x40)

BY JA DATE 12-6-99
SHEET
37-A2.0
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KEYNOTES

1 ROOFING- SEE SHEET 4.1

2 26 GA.. GUTTER AND DOWNSPOUT.

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DATE: 09/17/2026

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OFFICE OF REGULATION SERVICES
04 - 101055
AC FLS SS
DATE JUN 29 1999~~

STRUCT. ENGINEER

No 3602
LICENSE EXPIRES 6-30 2000

ARCHITECT

CHANGE ORDER

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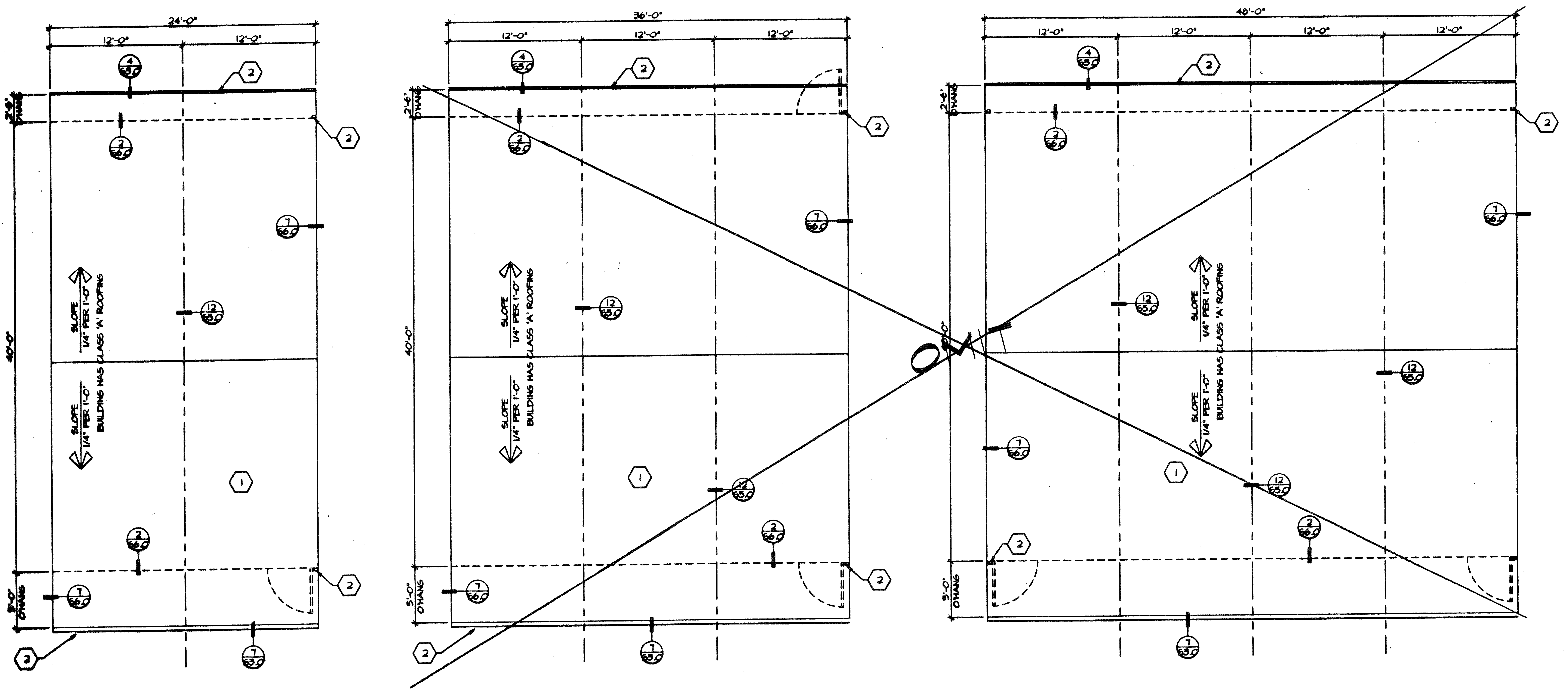

24x40

36x40

48x40

ROOF PLAN (GABLE)

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

AURORA MODULAR INDUSTRIES
16833 Krameria Ave., Riverside, CA 92504
Phone (909) 789-7196
Fax (909) 789-0263

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

ROOF PLAN
(GABLE ROOF)

BY JA DATE 12-6-99

SHEET
37-A4.0

42

C.A.D. FILE NO.

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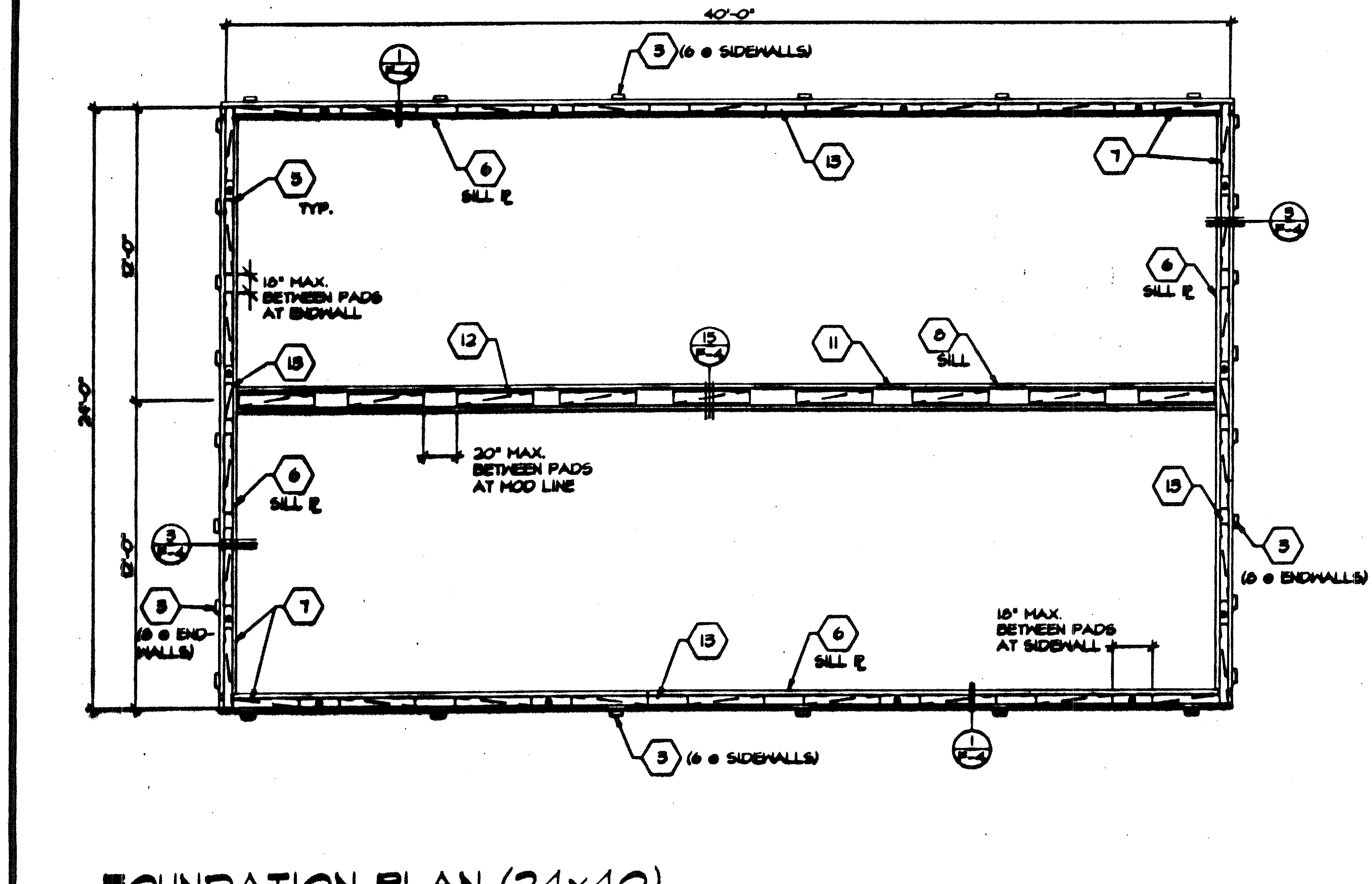
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

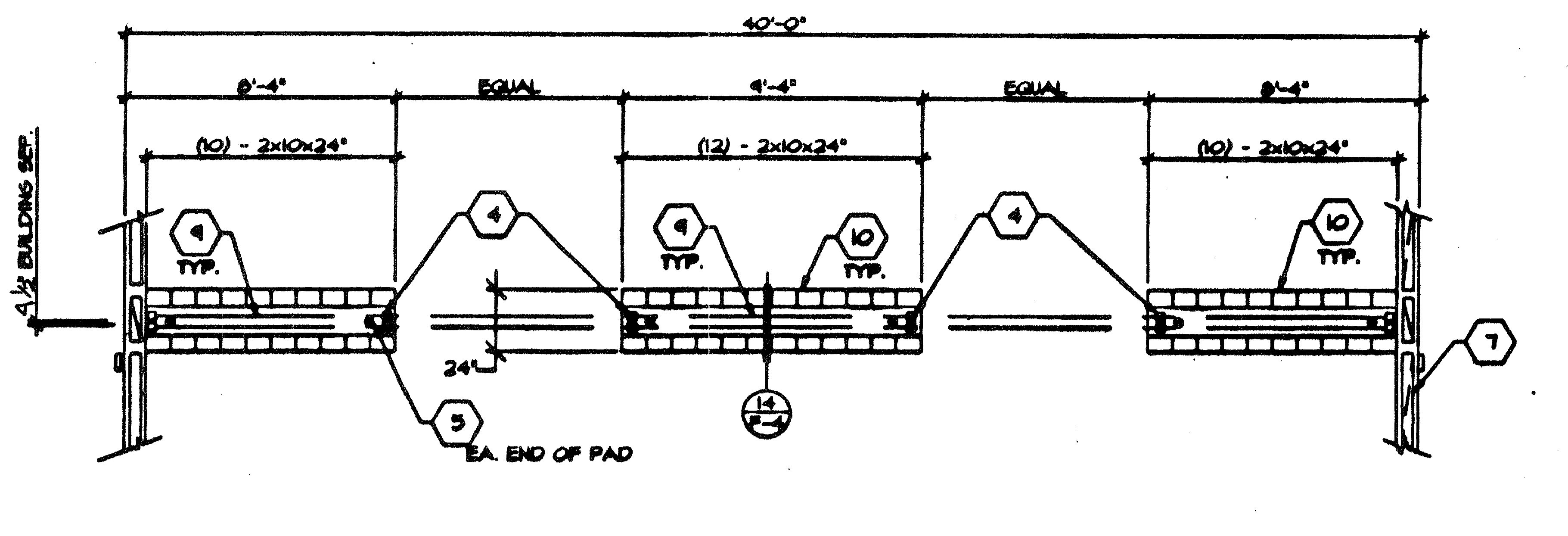
CBC 1998



40'-0"
5 (6 @ SIDEWALLS)
5 TYP.
6 SILL ℄
13
7
18" MAX. BETWEEN PADS AT ENDWALL
12-0"
24'-0"
12
15
11
6 SILL
20" MAX. BETWEEN PADS AT MOD LINE
5 (6 @ ENDWALLS)
18" MAX. BETWEEN PADS AT SIDEWALL
1 F-4
2 F-4

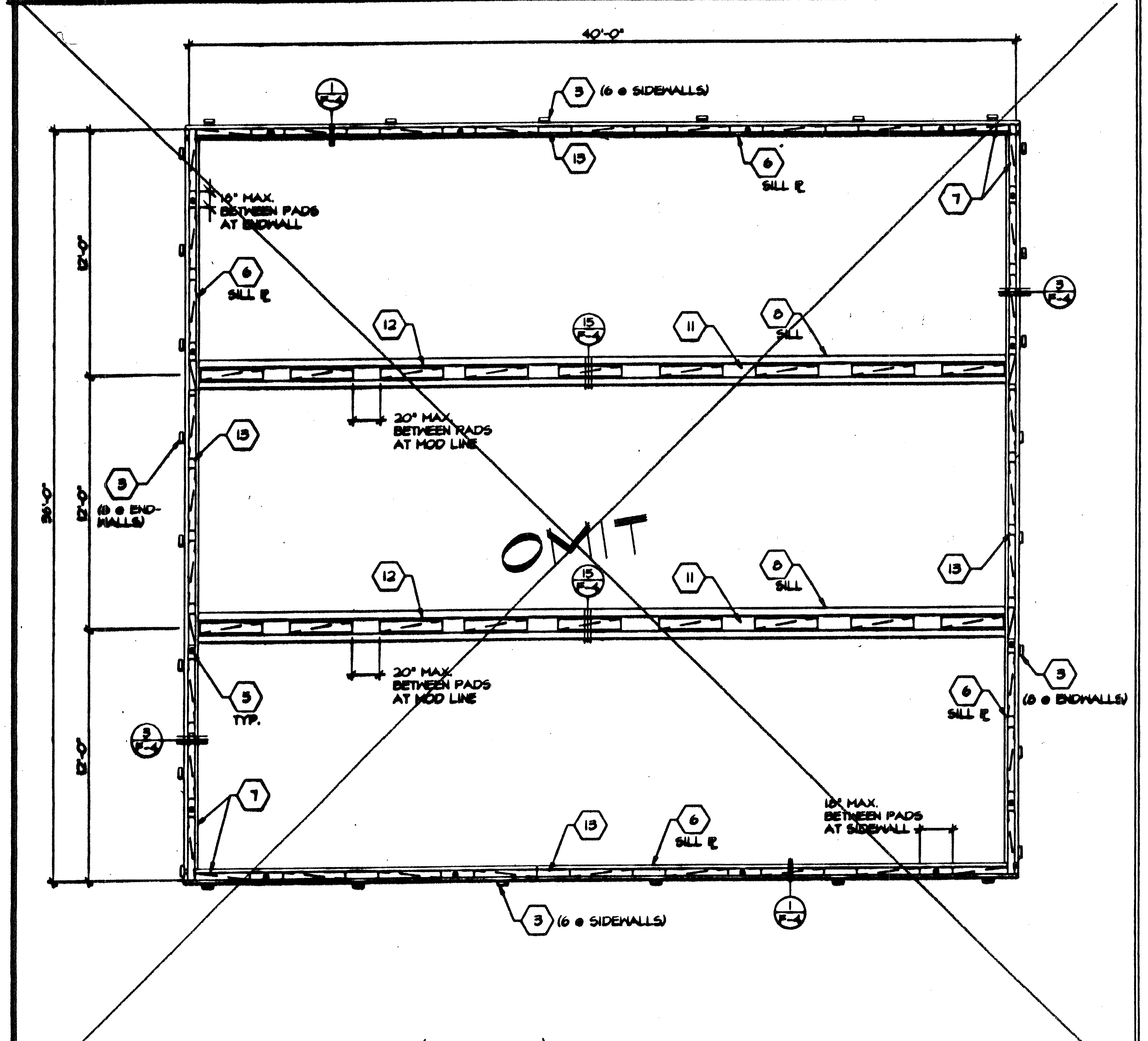
FOUNDATION PLAN (24x40)

SCALE: 1/4" = 1'-0" (50 PSF LIVE LOAD)



FOUNDATION PLAN @ ADJACENT BUILDING

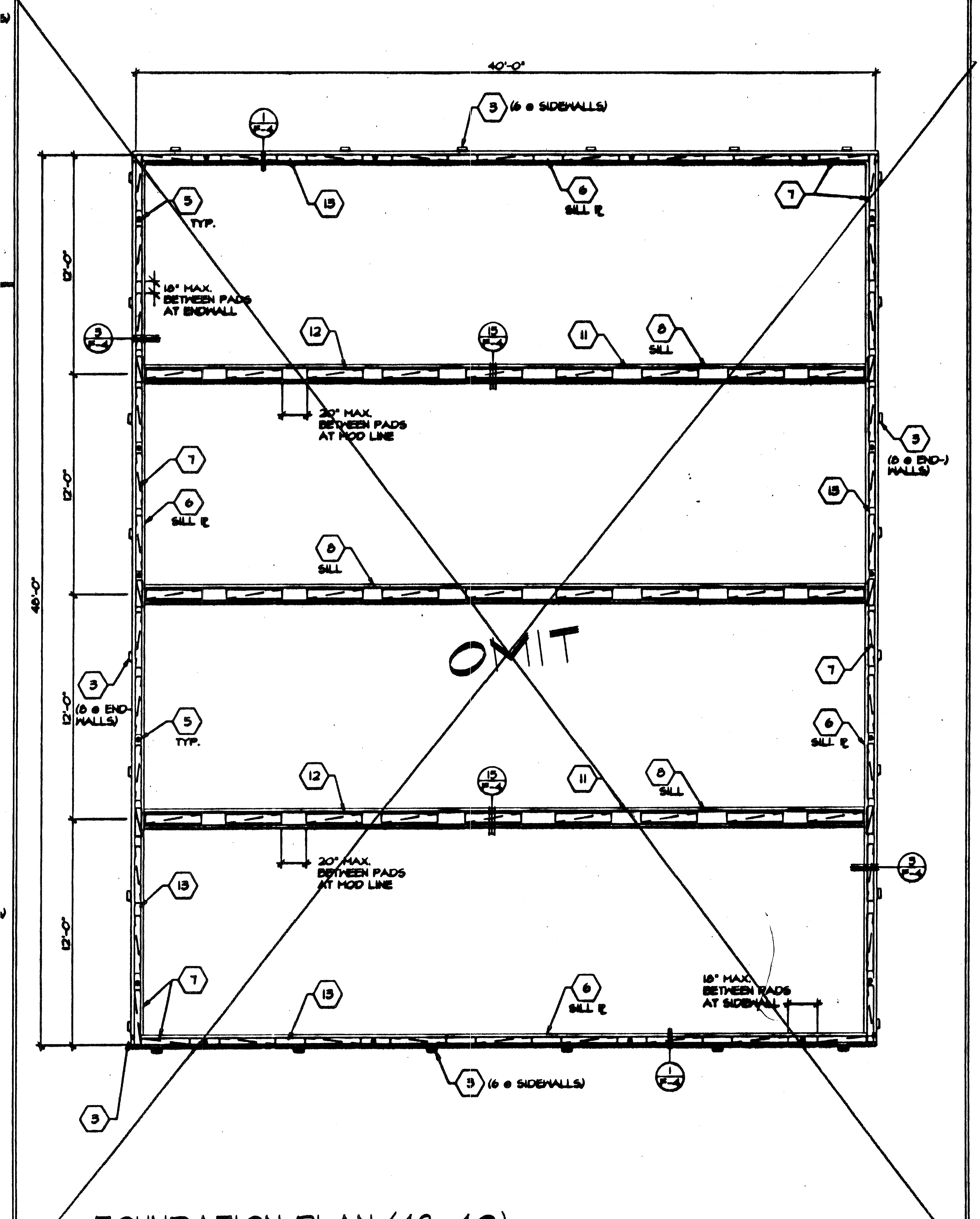
SCALE: 1/4" = 1'-0" (50 PSF LIVE LOAD)



40'-0"
5 (6 @ SIDEWALLS)
18" MAX. BETWEEN PADS AT ENDWALL
6 SILL ℄
13
7
12
15
11
6 SILL
20" MAX. BETWEEN PADS AT MOD LINE
5 (8 @ ENDWALLS)
5 TYP.
18" MAX. BETWEEN PADS AT SIDEWALL
12'-0"
36'-0"
OMIT
1 F-4
2 F-4

FOUNDATION PLAN (36x40)

SCALE: 1/4" = 1'-0" (50 PSF LIVE LOAD)



40'-0"
5 (6 @ SIDEWALLS)
5 TYP.
13
6 SILL ℄
7
18" MAX. BETWEEN PADS AT ENDWALL
12
15
11
6 SILL
20" MAX. BETWEEN PADS AT MOD LINE
5 (8 @ END-WALLS)
12'-0"
48'-0"
OMIT
18" MAX. BETWEEN PADS AT SIDEWALL
1 F-4
2 F-4

FOUNDATION PLAN (48x40)

SCALE: 1/4" = 1'-0" (50 PSF LIVE LOAD)

KEYNOTES

PC

1 MAXIMUM SOIL BEARING PRESSURE - 1000 P.S.F.

2 ALL FOUNDATION LUMBER SHALL BE HEM FIR #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 TIE PLATE - 12"x 6"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.

24x40:
70 M.P.H.= 6 PLATES @ ENDWALLS AND 4 PLATES @ SIDEWALLS.

80 M.P.H.= 8 PLATES @ ENDWALLS AND 4 PLATES @ SIDEWALLS.

36x40:
70 & 80 M.P.H.= 8 PLATES @ ENDWALLS AND 6 PLATES @ SIDEWALLS.

48x40:
70 & 80 M.P.H.= 8 PLATES @ ENDWALLS AND 6 PLATES @ SIDEWALLS.

4 USE 6- 5/8" x4" LAGS @ EACH BLDG. & NAIL PLATE TO PLATE TO PLATE W/ 2- 16d BOX @ 4" O.C.

5 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. (8 EA. BLDG)

6 CONTINUOUS 2x8 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x4 BLOCK LOCATIONS.

7 2x4x 3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END.

8 CONTINUOUS 2x12 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x8 BLOCK LOCATIONS.

9 24x40:
70 & 80 M.P.H.= CONTINUOUS 2x12x(SEE PLAN)- NAIL PLATE TO PLATE WITH (2) 16d BOX NAILS @ EACH END @ 6" O.C.

36x40:
70 & 80 M.P.H.= CONTINUOUS 2x12x(SEE PLAN)- NAIL PLATE TO PLATE WITH (2) 16d BOX NAILS @ EACH END @ 5" O.C.

48x40:
70 & 80 M.P.H.= CONTINUOUS 2x12x(SEE PLAN)- NAIL PLATE TO PLATE WITH (2) 16d BOX NAILS @ EACH END @ 4" O.C.

10 2x10x24" LONG SILL PADS. P.T.H.F.
(SEE PLAN FOR QUANTITY 10 AT ENDS AND 12 AT INTERIOR)

11 CONTINUOUS 2x8 H.F. PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 BLOCK LOCATIONS.

12 2x6x 3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END.

13 2x4x CONTINUOUS INTERNAIL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.

~~NOTE: WHEN BUILDING HAS A WIND LOAD OF 80 MPH USE D.F. #2 LUMBER.~~

24' X 40" VENTILATION CALC.

BUILDING SQUARE FOOTAGE - 24' X 40' = 960 SF

REQUIRED VENTILATION - 1 SF. / 150 SF.
960 / 150 = 6.4 SF VENT REQUIRED

SIZE OF VENT TO BE USED - 3"x 17" = 51 SQ IN.
51 / 144 = 0.35 SQ. FT.

MINIMUM NUMBER OF VENTS NEEDED - 20
TOTAL VENTILATION - 7.00 FEET

NUMBER OF VENTS TO BE USED - 28
TOTAL VENTILATION - 9.80 FEET

36' X 40' VENTILATION CALC.

BUILDING SQUARE FOOTAGE - 36' X 40' = 1,440 SF

REQUIRED VENTILATION - 1 SF. / 150 SF.
1,440 / 150 = 9.6 SF VENT REQUIRED

SIZE OF VENT TO BE USED - 3"x 17" = 51 SQ IN.
51 / 144 = 0.35 SQ. FT.

MINIMUM NUMBER OF VENTS NEEDED - 28
TOTAL VENTILATION - 9.80 FEET

NUMBER OF VENTS TO BE USED - 32
TOTAL VENTILATION - 11.200 FEET

48' X 40' VENTILATION CALC.

BUILDING SQUARE FOOTAGE - 48 X 40" = 1,920 SF

REQUIRED VENTILATION - 1 SF. / 150 SF.
1,920 / 150 = 12.8 SF VENT REQUIRED

SIZE OF VENT TO BE USED - 3"x 17" = 51 SQ IN.
51 / 144 = 0.35 SQ. FT.

MINIMUM NUMBER OF VENTS NEEDED - 37
TOTAL VENTILATION - 12.950 FEET

NUMBER OF VENTS TO BE USED - 40
TOTAL VENTILATION - 14.00 FEET

D.S.A.

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04 - 1?1055
JUN 29 1999~~

STRUCT. ENGINEER

JAMES T. SIMPSON
No 3602
LICENSE EXPIRES 6-30- 2000

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
16833 Kramerie Ave., Riverside, CA 92504
Phone (909) 789-7196
Fax (909) 789-0263

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

FOUNDATION
PLANS
(WOOD 50 LB. L.L.)

BY JA DATE 12-6-99

SHEET
37-F-1

4278 CAD FILE NO. FOUND-2A.DWG

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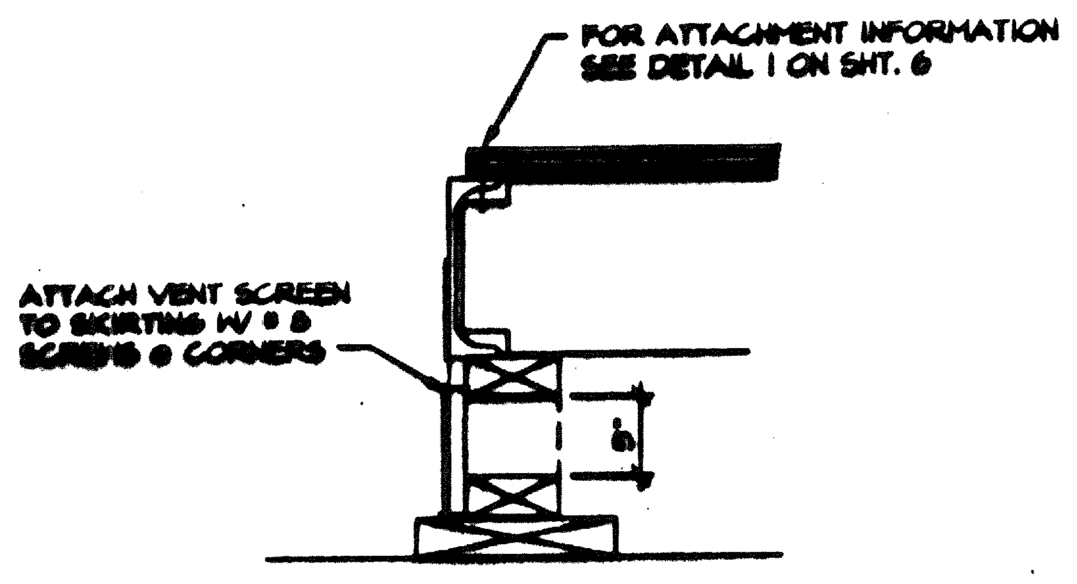
TYPICAL DETAILS

125 PSF L.L.

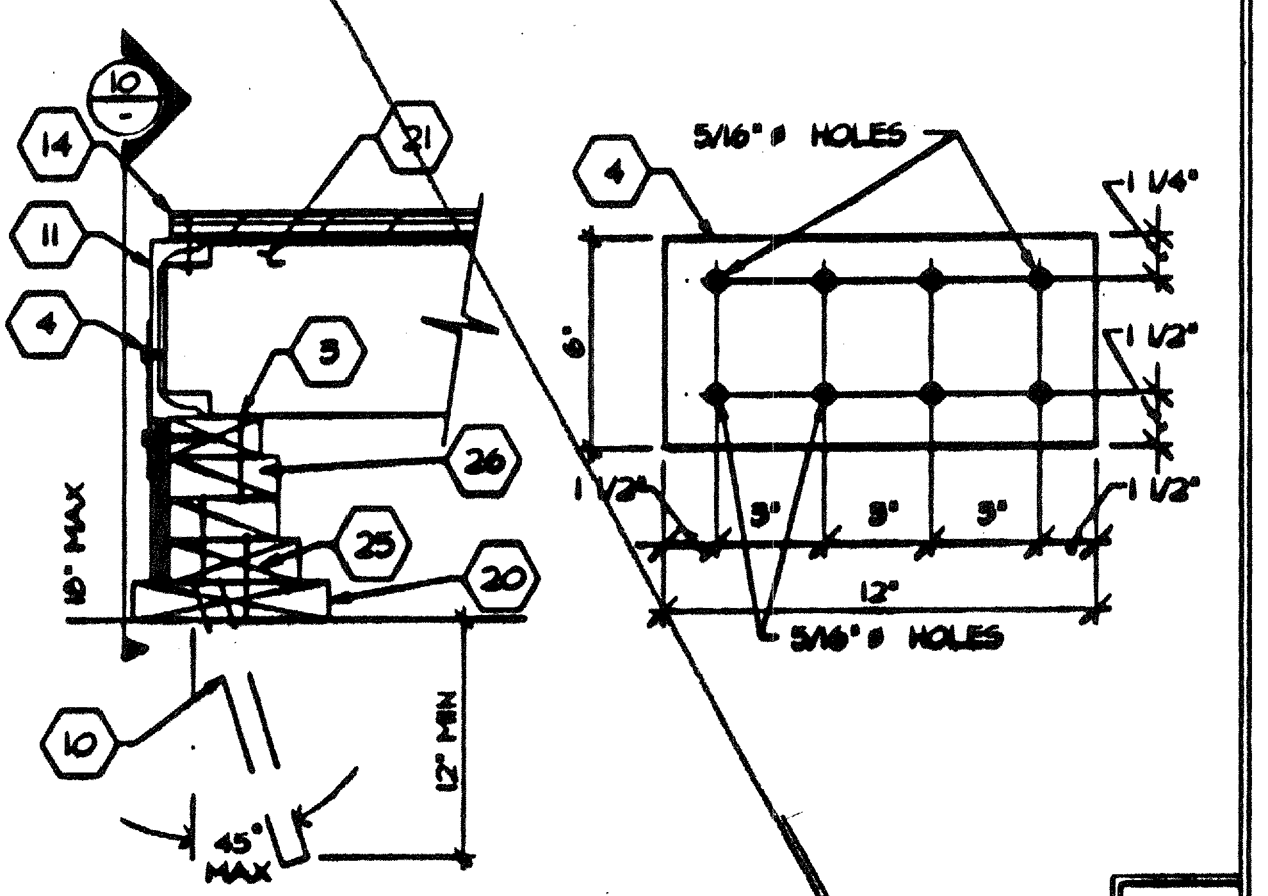
50 PSF L.L. + 20 LBS. PARTITIONS

50 PSF L.L.

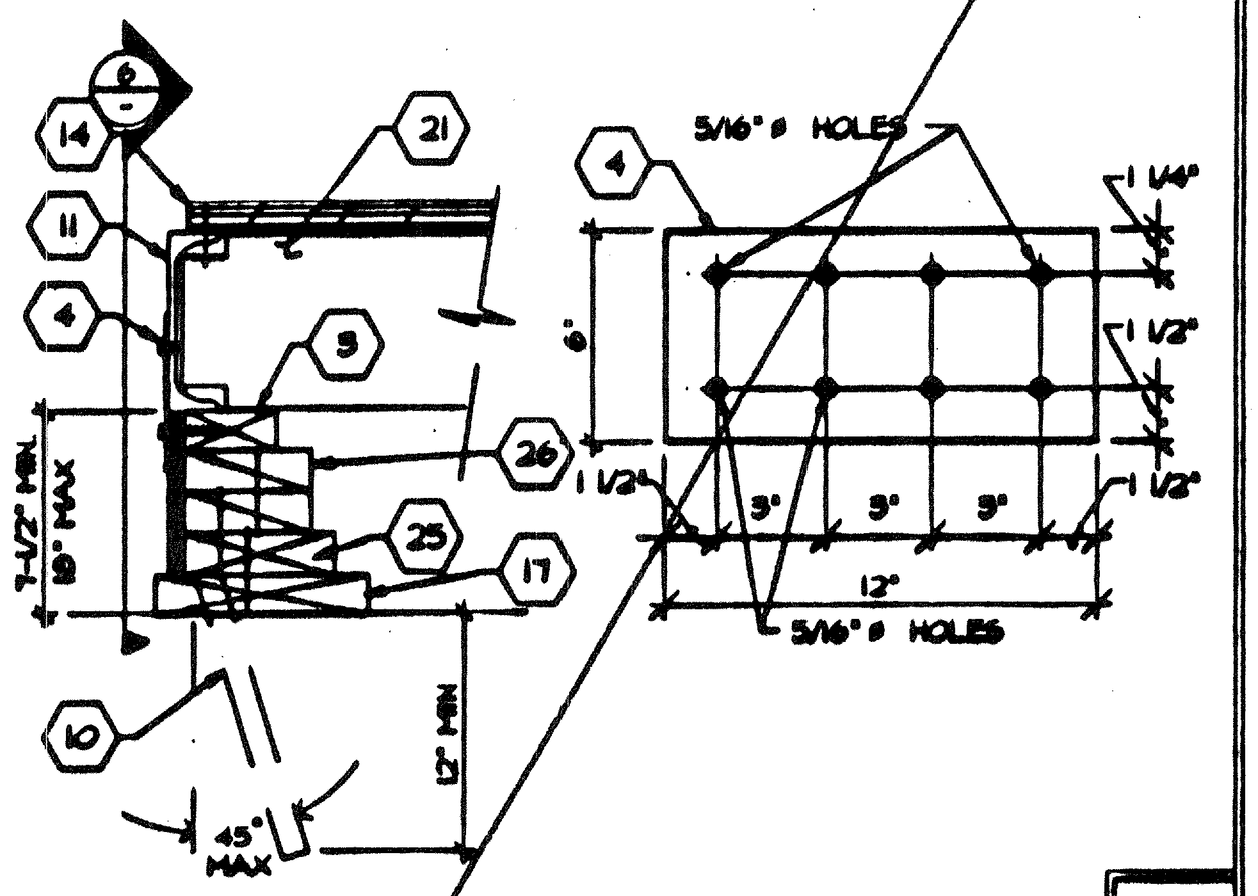
OMIT


FOR ATTACHMENT INFORMATION SEE DETAIL 1 ON SHT. 6
ATTACH VENT SCREEN TO SKIRTING W/ # 8 SCREWS @ CORNERS
8"

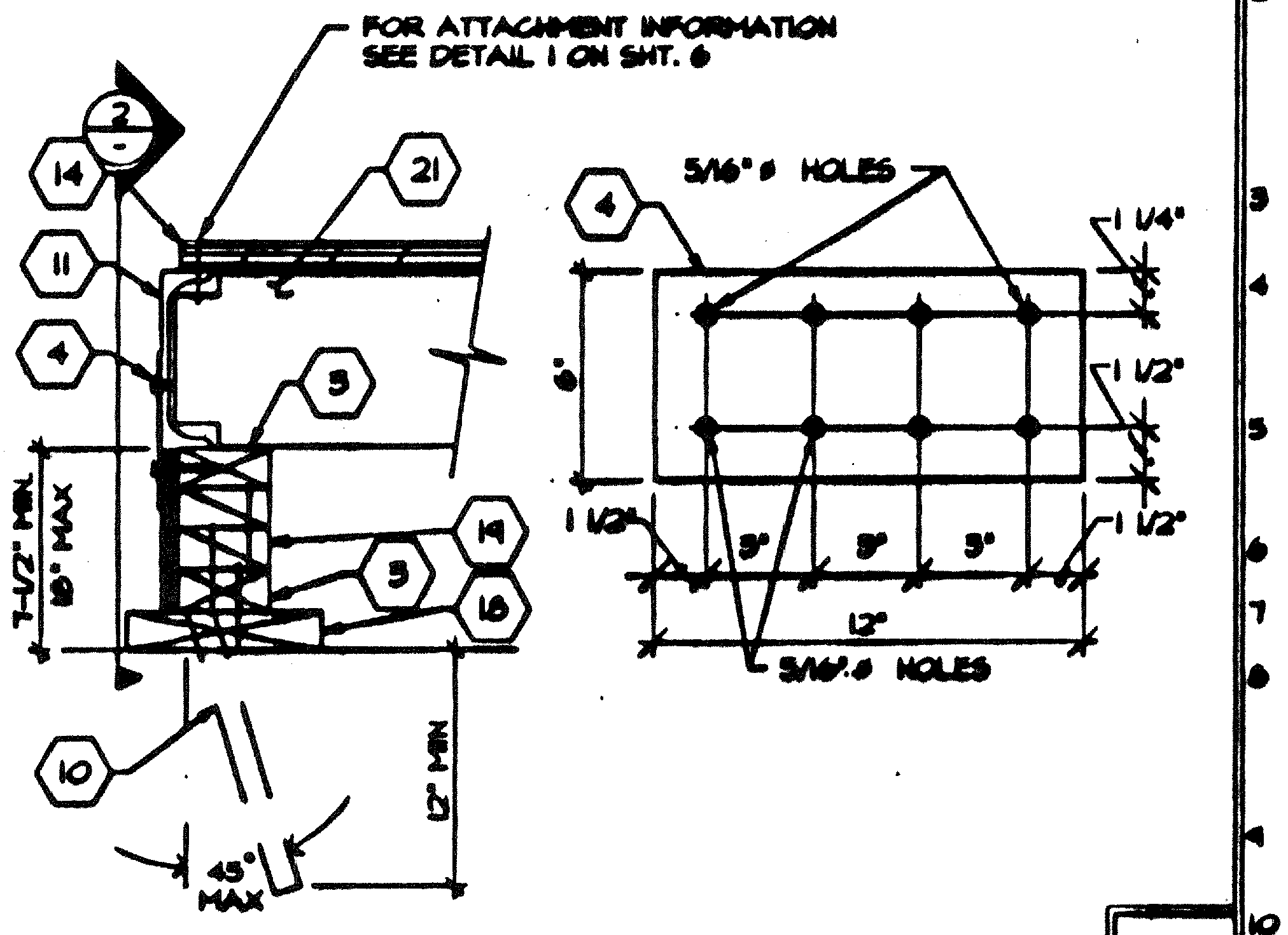
FOUNDATION VENTING 13



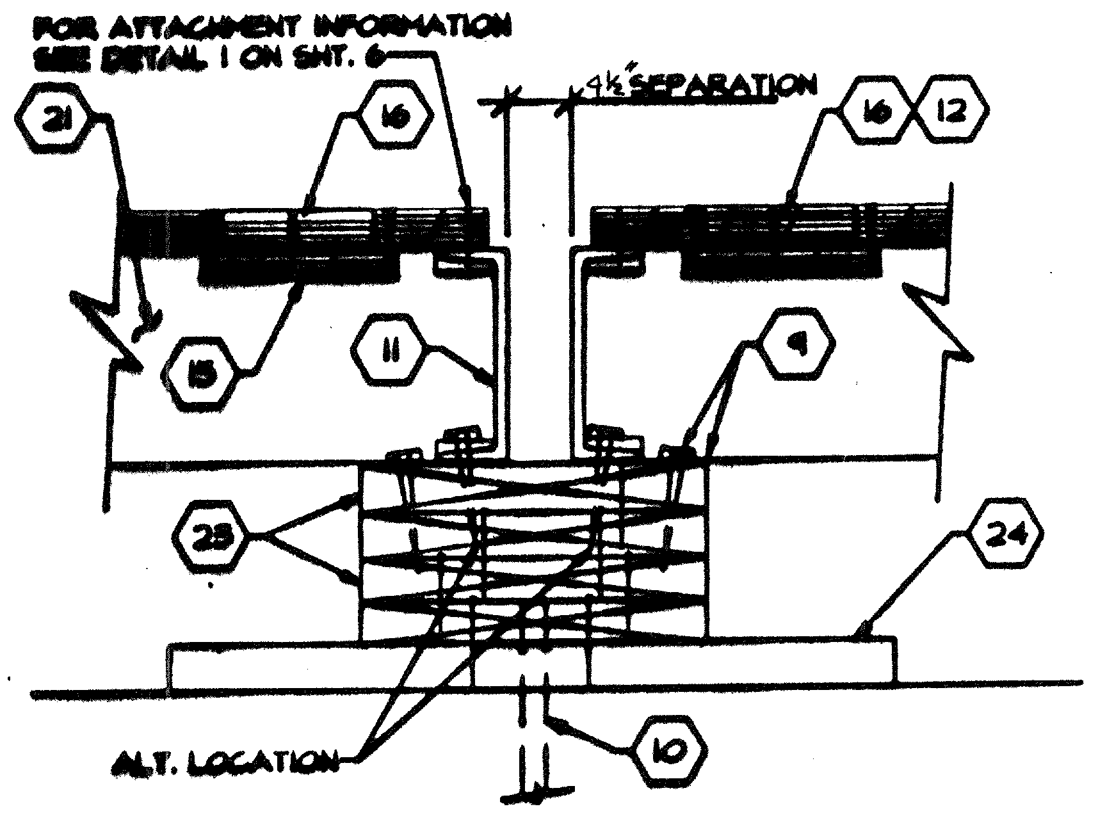
FOUNDATION AT SIDEWALL 9



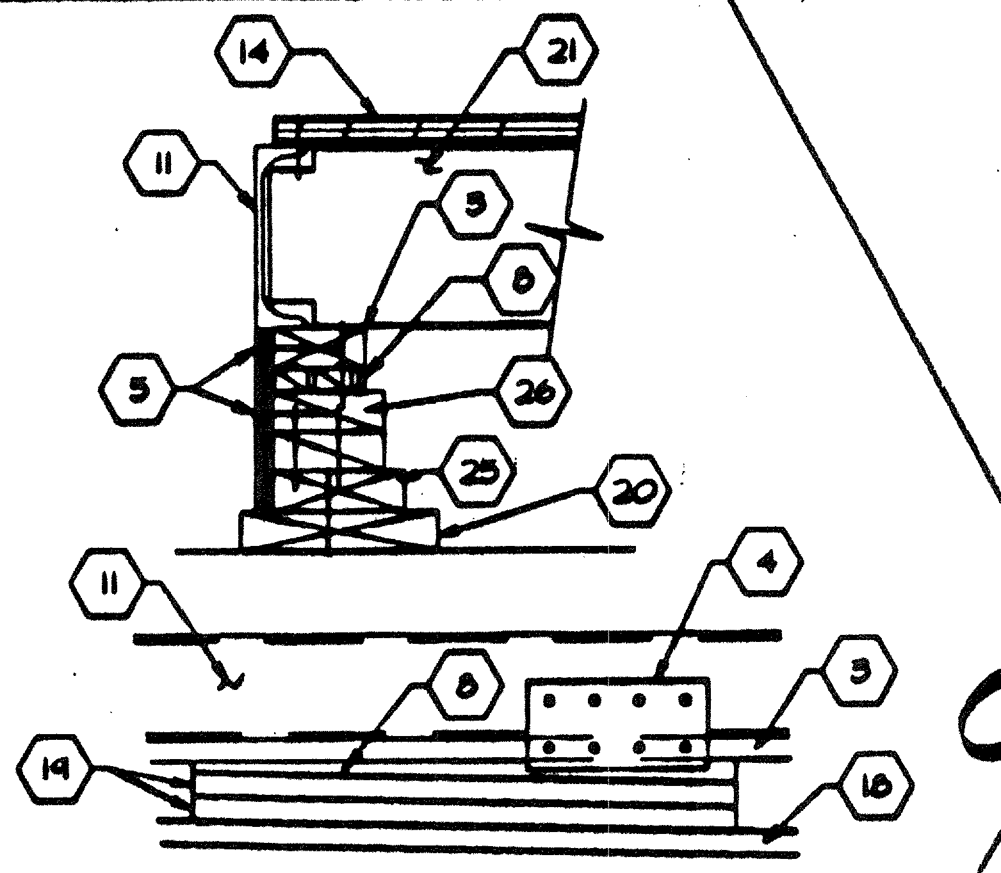
FOUNDATION AT SIDEWALL 5



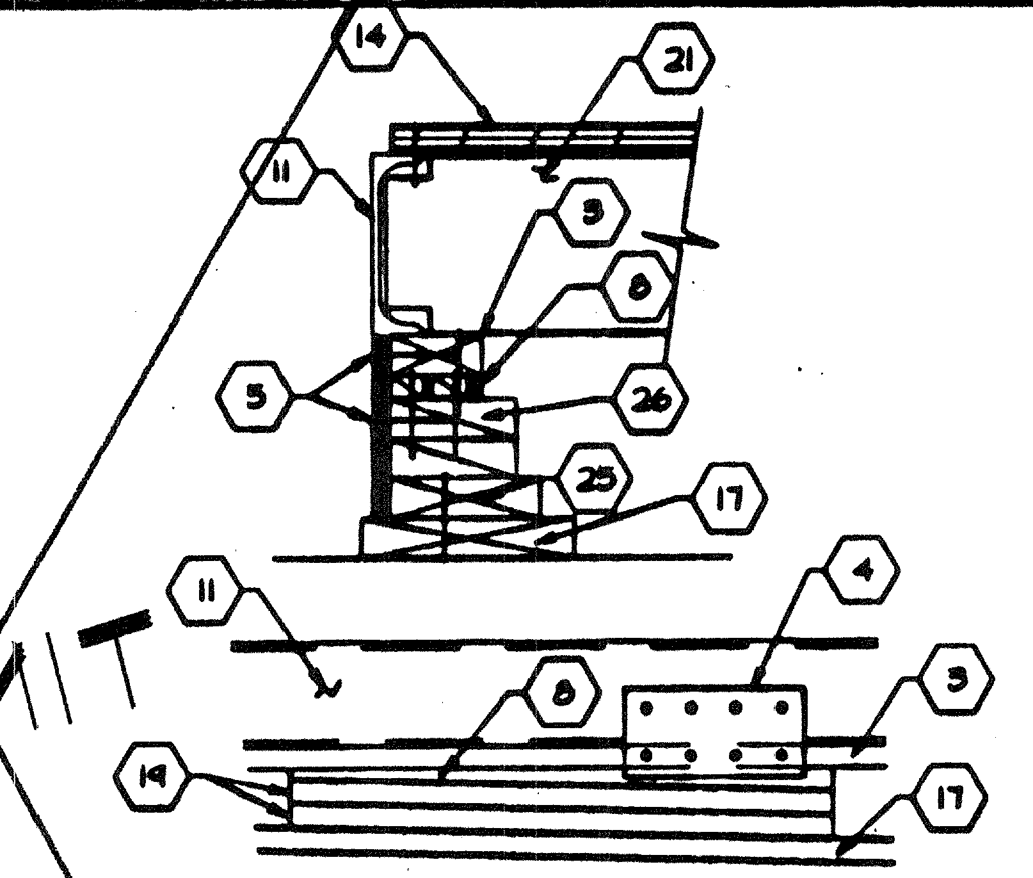
FOUNDATION AT SIDEWALL 1



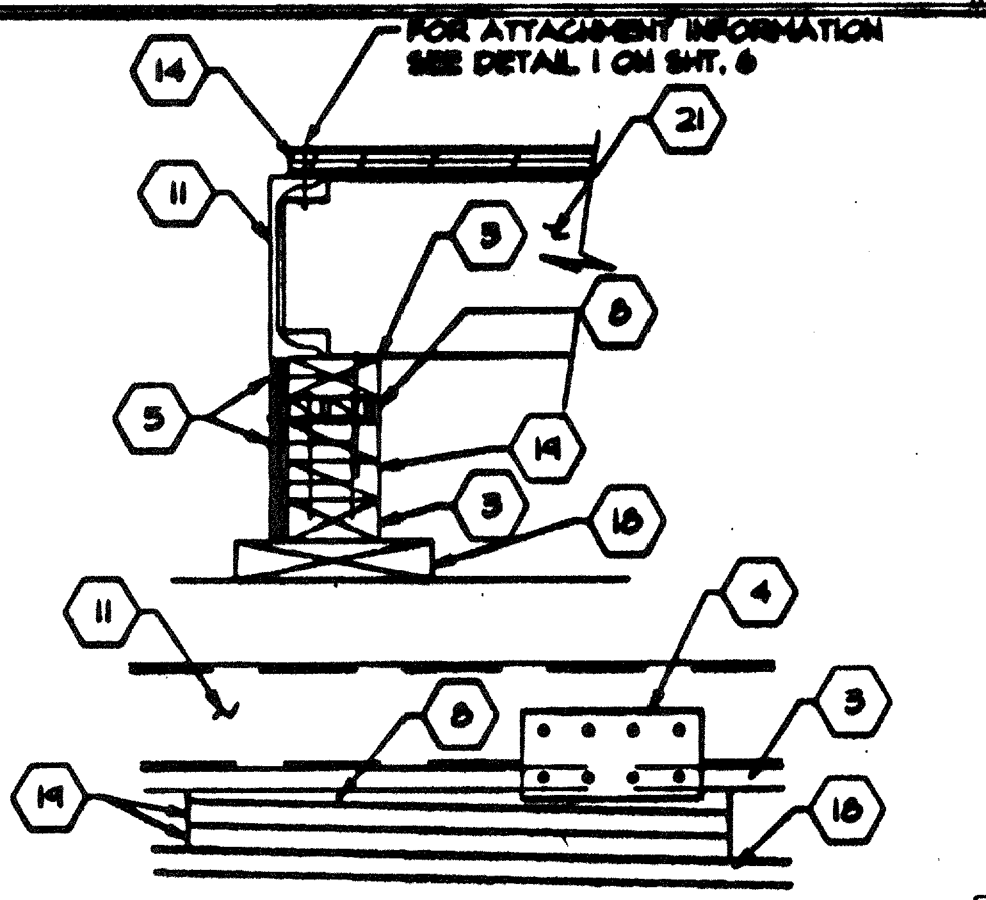
COMMON PAD 14



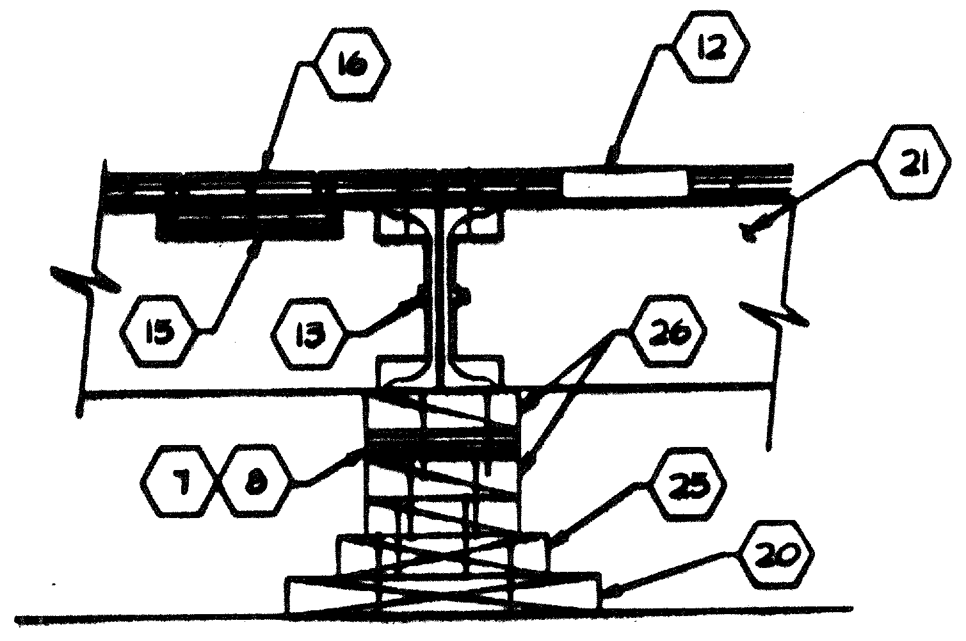
SHIMMING AND SKIRTING (SIDEWALL SHOWN) 10



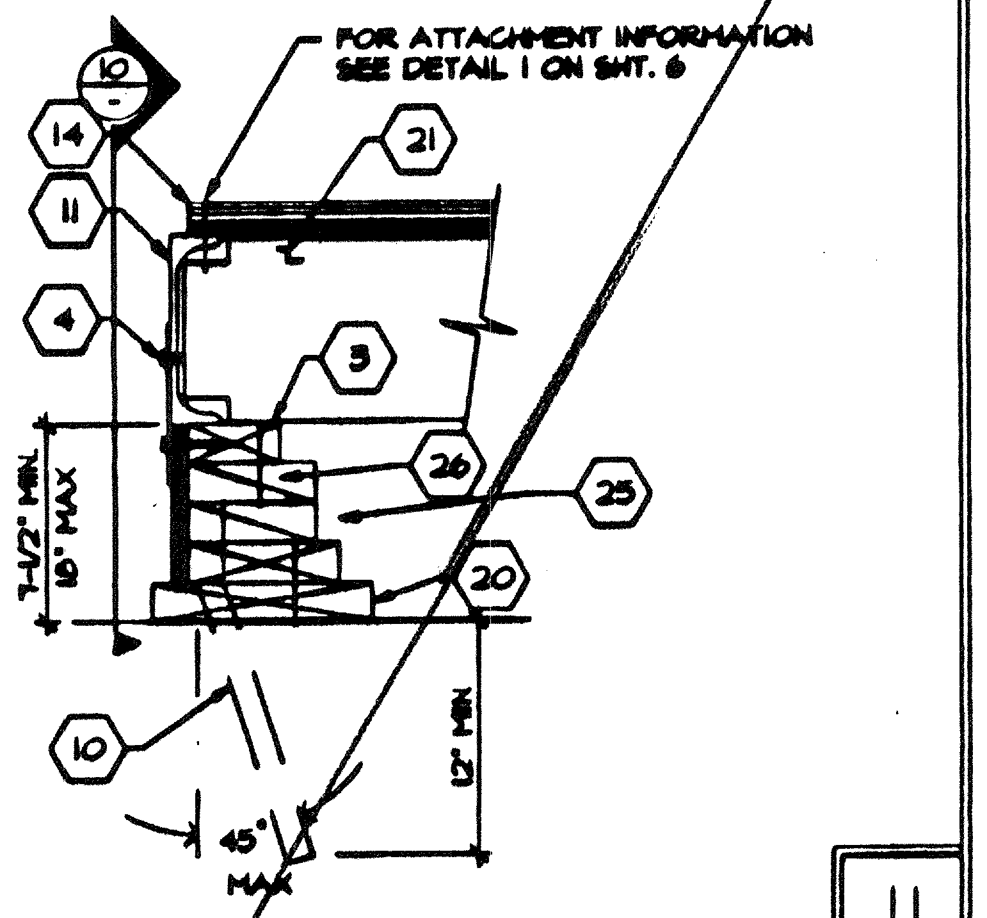
SHIMMING AND SKIRTING (SIDEWALL SHOWN) 6



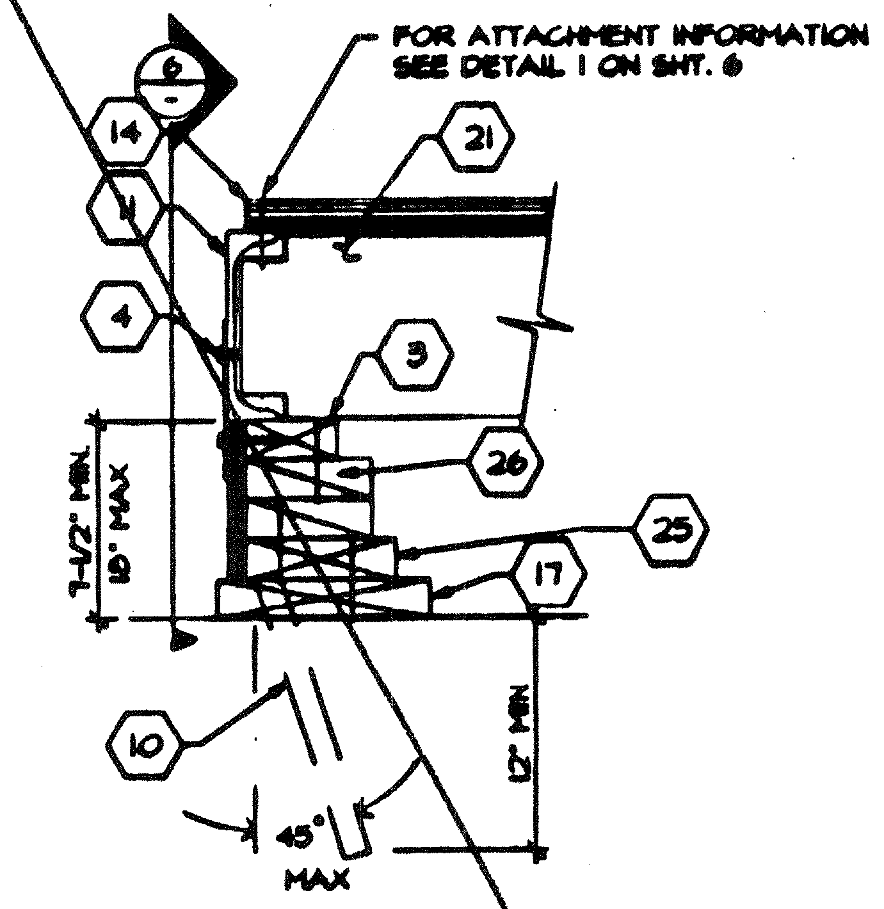
SHIMMING AND SKIRTING (SIDEWALL SHOWN) 2



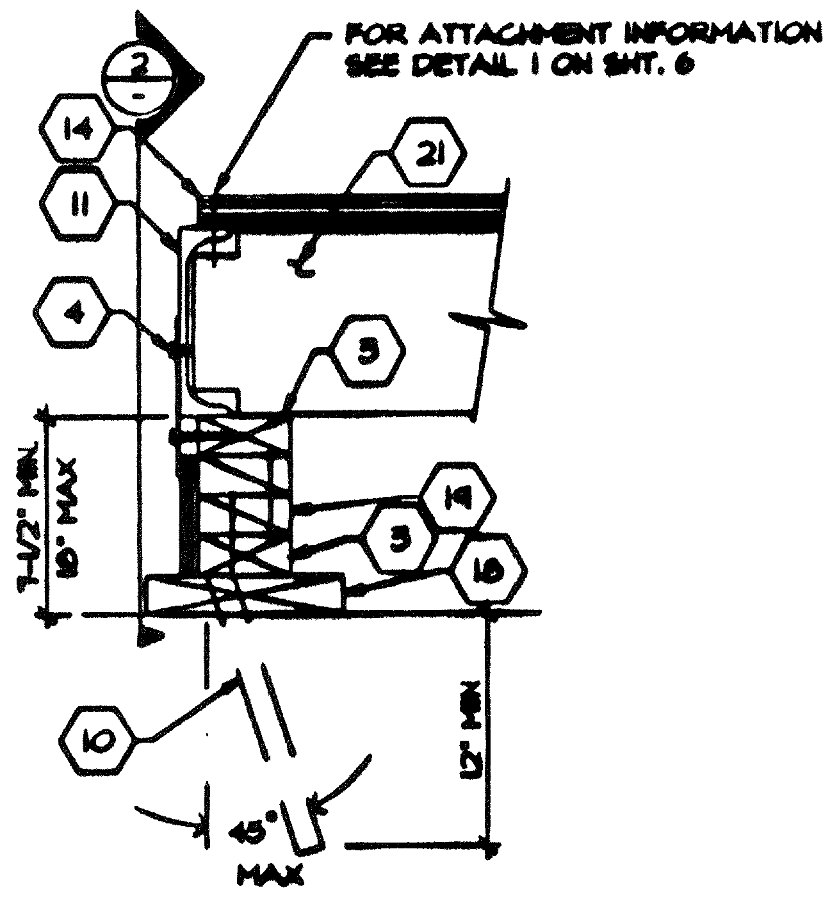
FOUNDATION AT MOD LINE 15



FOUNDATION AT ENDWALL 11

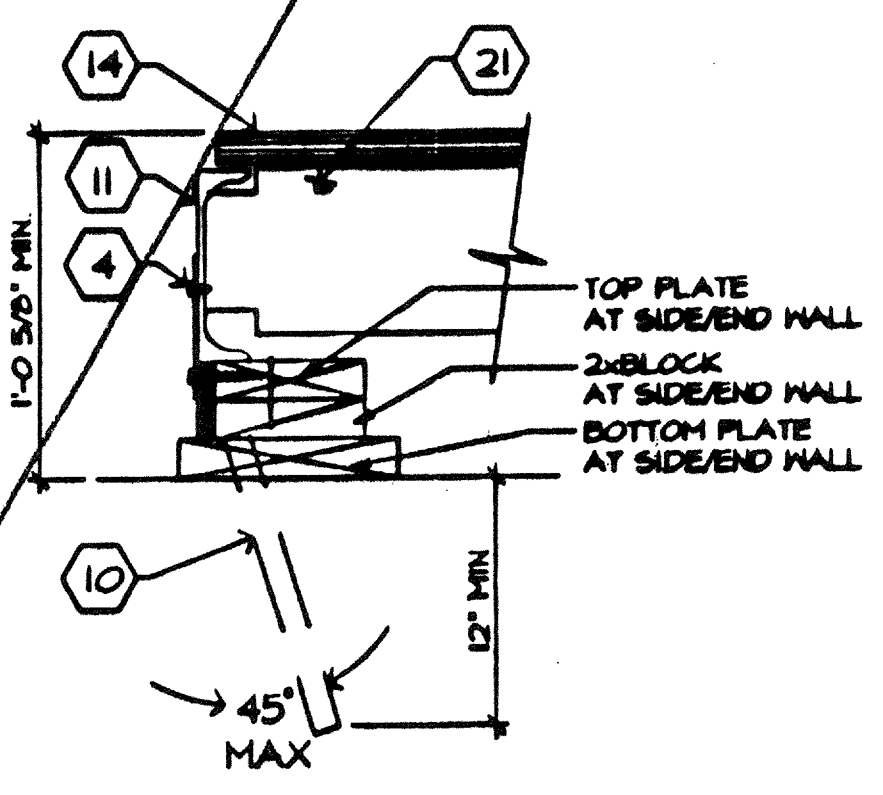


FOUNDATION AT ENDWALL 7

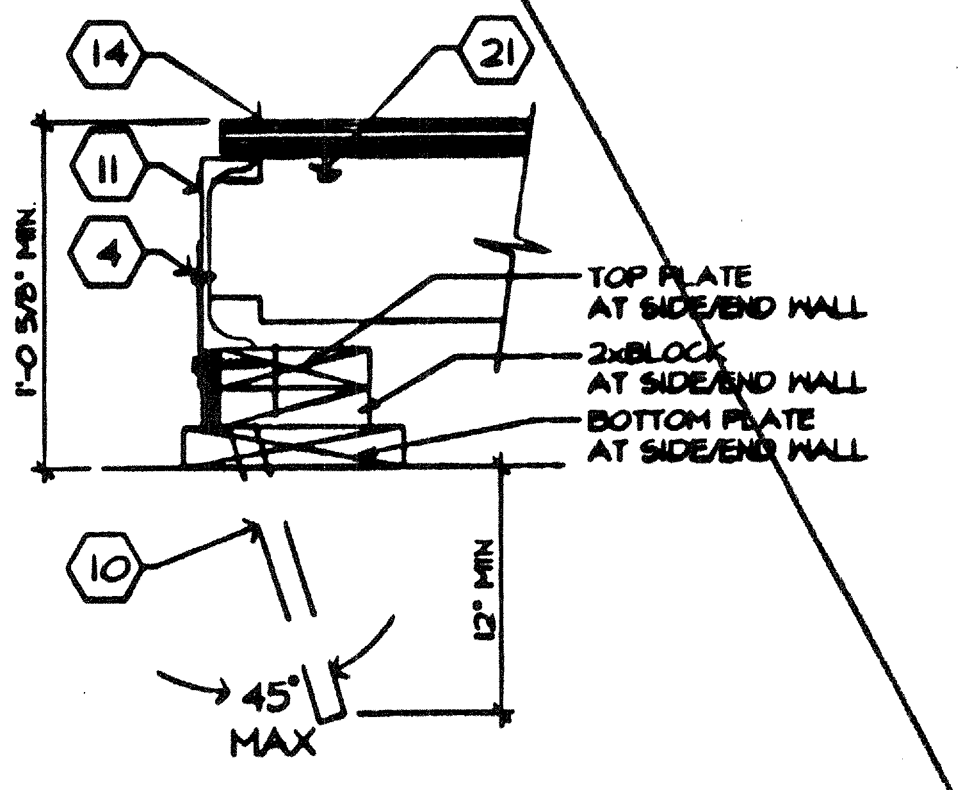


FOUNDATION AT ENDWALL 3

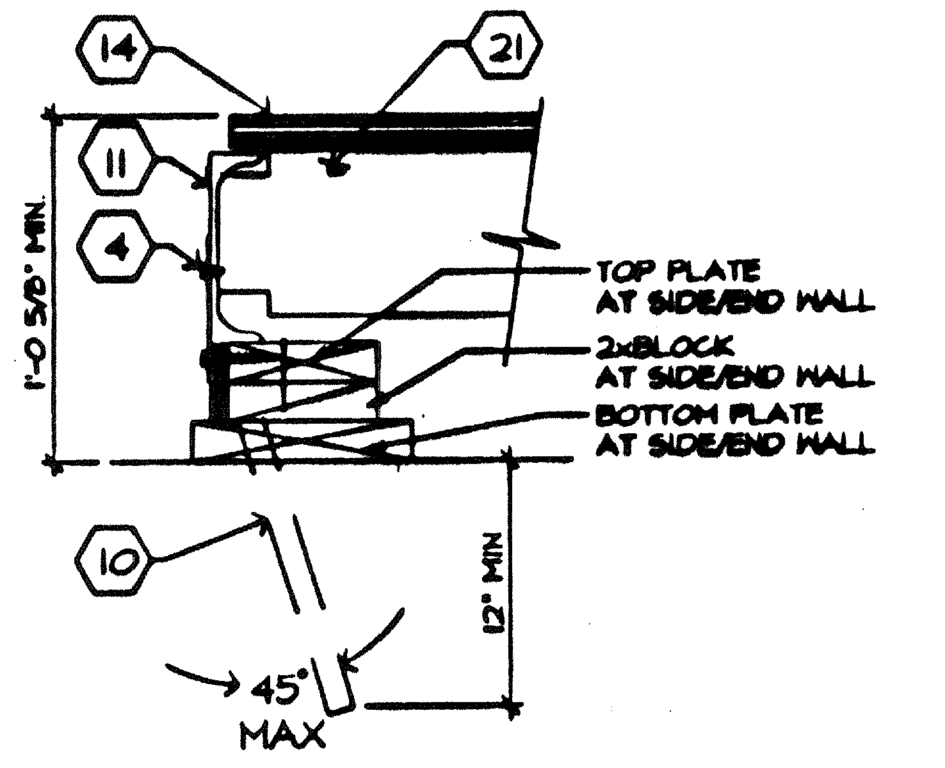
14



MIN. FOUNDATION SET 12



MIN. FOUNDATION SET 8



MIN. FOUNDATION SET 4

CBC 1998

PC

KEYNOTES

1 MAXIMUM SOIL BEARING PRESSURE - 1000 P.S.F.

2 ALL FOUNDATION LUMBER SHALL BE HEM FIR #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 2x4x CONTINUOUS. INTERNAIL TO EACH PAD WITH 16d BOX NAILS @ 5" O.C. STAGGERED.

4 TIE PLATE - 12"x 6"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.

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

6 NOT USED.

7 NOT USED

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 USE 6- 5/8"ax4" LAGS @ EACH BLDG. & NAIL PLATE TO PLATE TO PLATE W/ 2- 16d BOX @ 4" O.C.

10 DRIVE 1" I.D. 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 STEEL FLOOR CHANNEL.

12 5" DIA. ACCESS HOLE AT MODULE CONNECTION BOLT LOCATIONS.

13 5/8" MACHINE BOLT @ MODULE CONNECTION. SEE SHT. 5 'STRUCTURAL SIDE' FOR LOCATIONS.

14 PLYWOOD FLOOR DECK. ATTACH PLYWD. FLOORING TO STEEL CHANNEL WITH #10x1 1/2" S.T.S. - SEE SHEET 6 DETAIL 1

15 PLYWOOD STRIP - 3/4"x 3"x 8" PIECE W/ (2) #12x 2-1/4" FLAT HEAD WOOD SCREWS EACH END.

16 PLUG - 5" DIA. PIECE OF FLOOR SHEATHING W/ (2) #12x2-1/4" FLAT HEAD WOOD SCREWS EACH END.

17 CONTINUOUS 2x10 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x8 BLOCK LOCATIONS.

18 CONTINUOUS 2x8 P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x4 BLOCK LOCATIONS.

19 2x4x 3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH 16d BOX NAILS @ 4" O.C. AND (2) 16d NAILS AT EACH END.

20 CONTINUOUS 2x(SEE PLAN) P.T.H.F. SILL PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x8 BLOCK LOCATIONS.

21 FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.

22 NOT USED

23 CONTINUOUS 2x12x(SEE PLAN) - NAIL (2) 16d AT 4" O.C. & (2) 16d AT EACH END OF PLATE.

24 2x10x24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY 10 AT ENDS AND 12 AT INTERIOR)

25 CONTINUOUS 2x(SEE PLAN) H.F. PLATE. PLATE SPLICES SHALL OCCUR AT CENTER OF 2x6 BLOCK LOCATION. NAIL WITH 16d BOX NAILS @ 4" O.C. AT 50 PSF + 20 LBS. PARTITIONS FLOOR LOAD AND @ 2 1/2" O.C. AT 125 PSF FLOOR LOAD.

26 2x6x 3'-0" LONG BLOCKS. NAIL BLOCKS TOGETHER WITH (2) 16d NAILS AT EACH END AND 16d BOX NAILS @ 4" O.C. AT 50 PSF + 20 LBS. PARTITIONS FLOOR LOAD AND @ 2 1/2" O.C. AT 125 PSF FLOOR LOAD.

~~NOTE.~~
~~WHEN BUILDING HAS A WIND LOAD OF 80 MPH USE D.F. #2 LUMBER~~

~~MAR 1 0 2000~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

D.S.A.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~04 - 101055~~
~~DATE JUN 29 1999~~

STRUCT. ENGINEER

JAMES T. SIMPSON
No. 3662
LICENSE EXPIRES 6-30-2000

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
16833 Krameria Ave., Riverside, CA. 92504
Phone (909) 789-7196
Fax (909) 789-0263

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

WOOD
FOUNDATION
PLAN DETAILS

BY IA DATE 12-6-99

SHEET
37-F-4

4278 C.A.D. FILE NO. PC-100335

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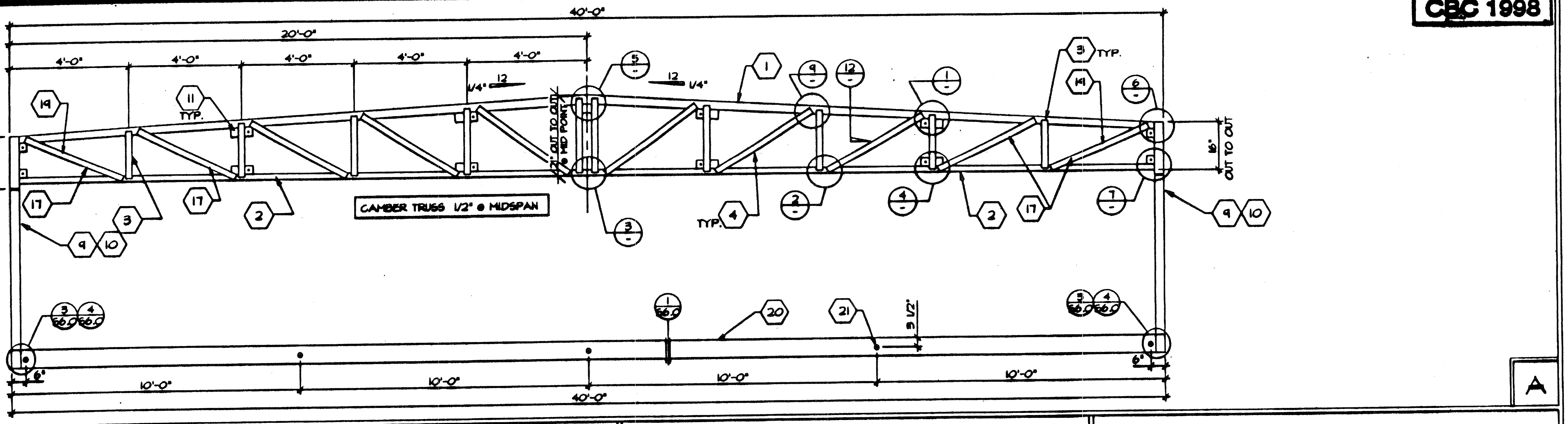
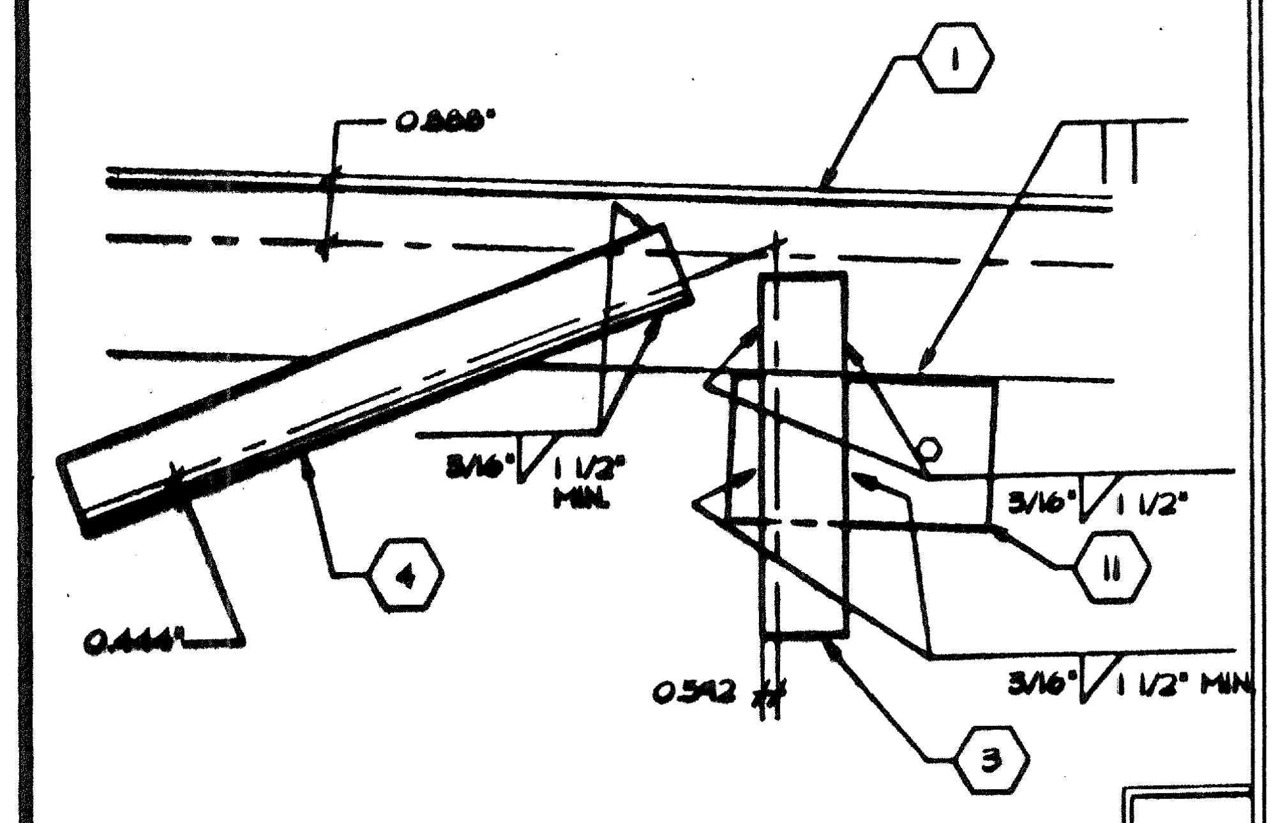
CBC 1998

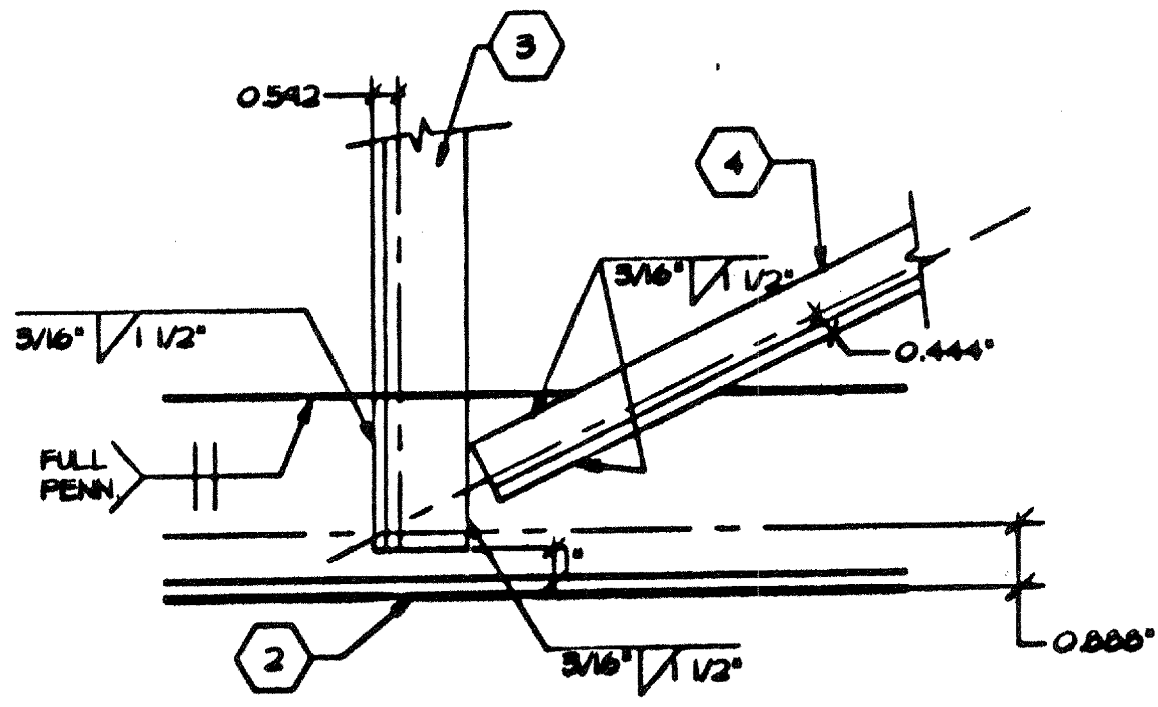


TRUSS ELEVATION
SCALE 3/8" = 1'-0"

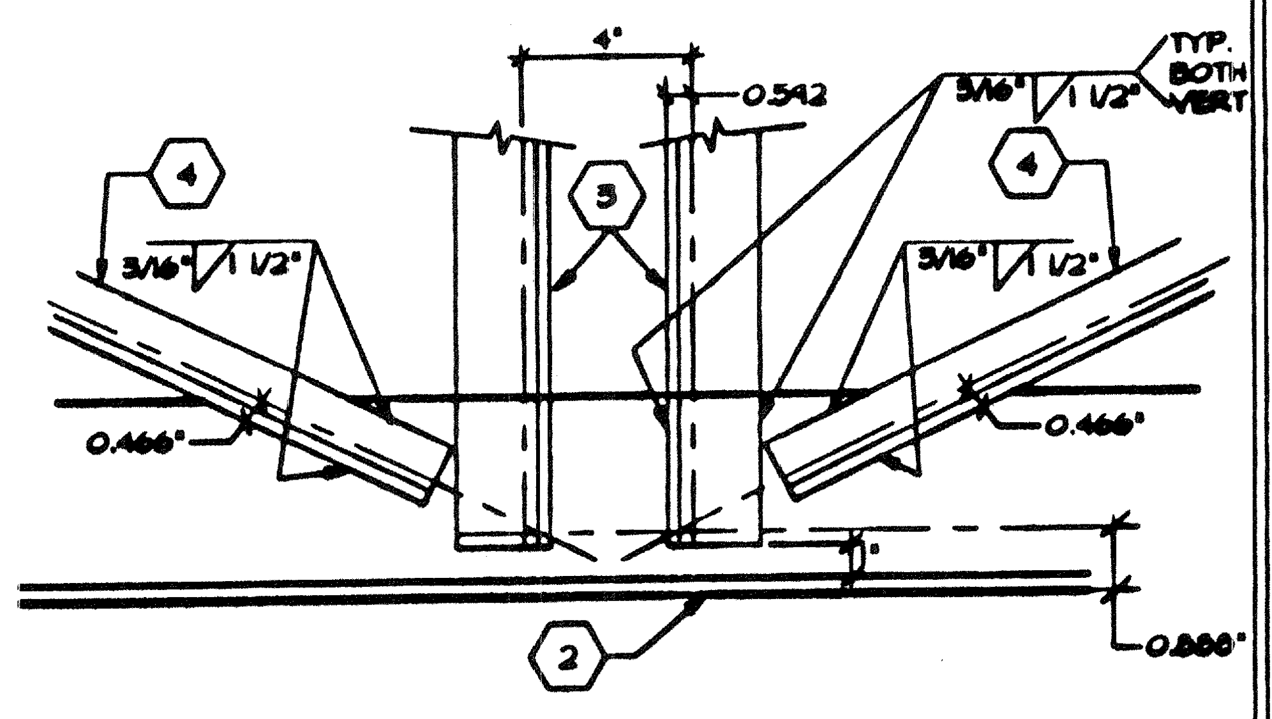
A



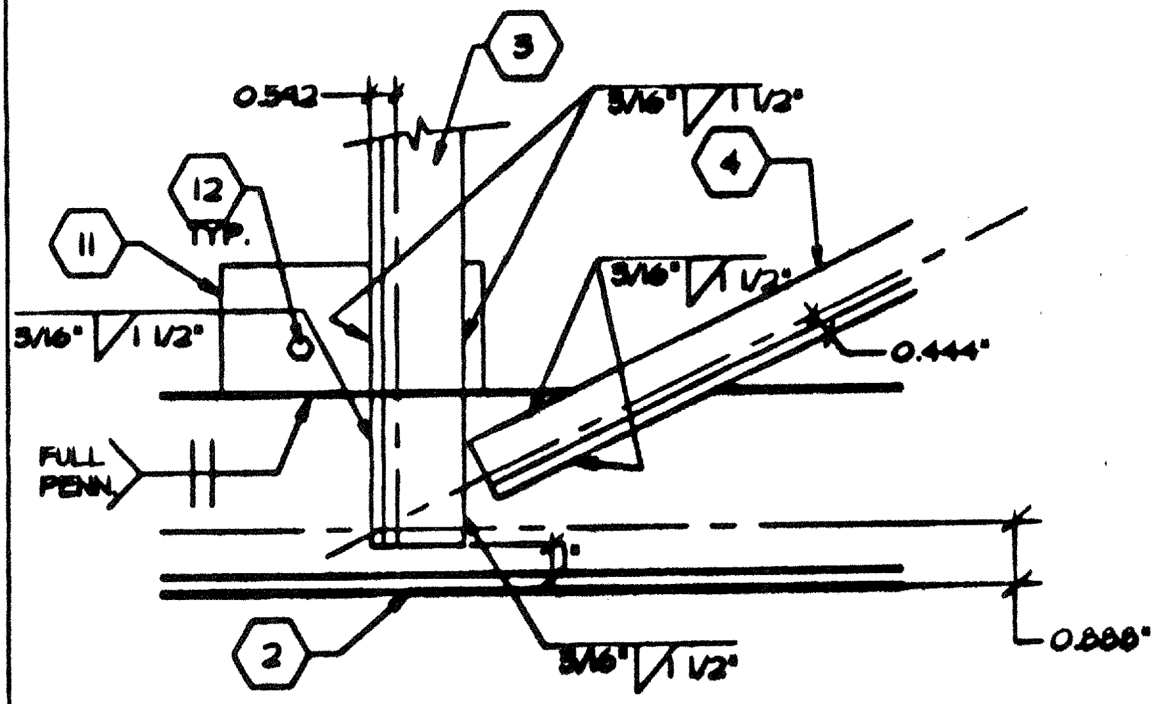
VERT. & DIAG. TOP CHORD
1



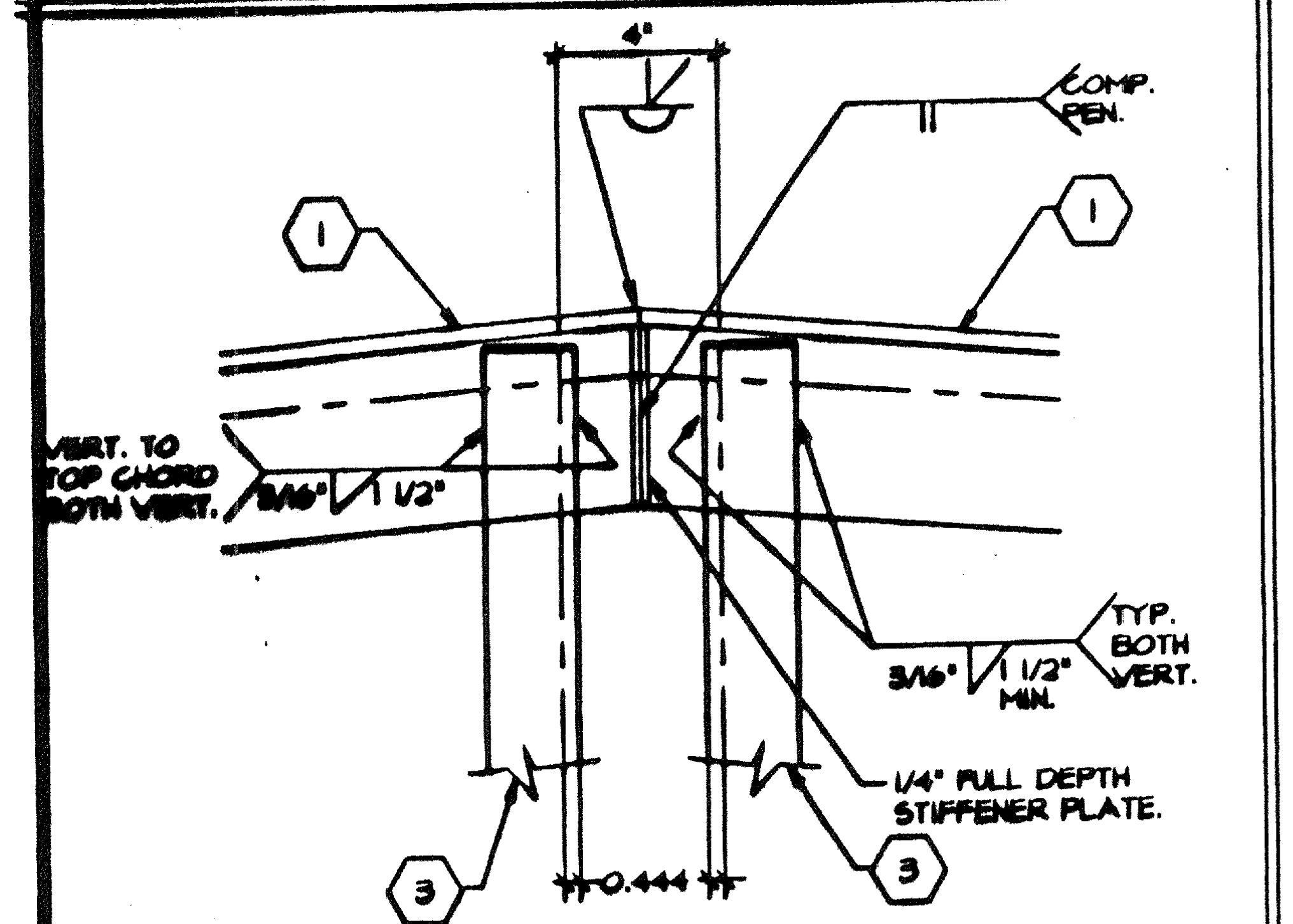
VERT & DIAG TO BOTTOM CHORD
2



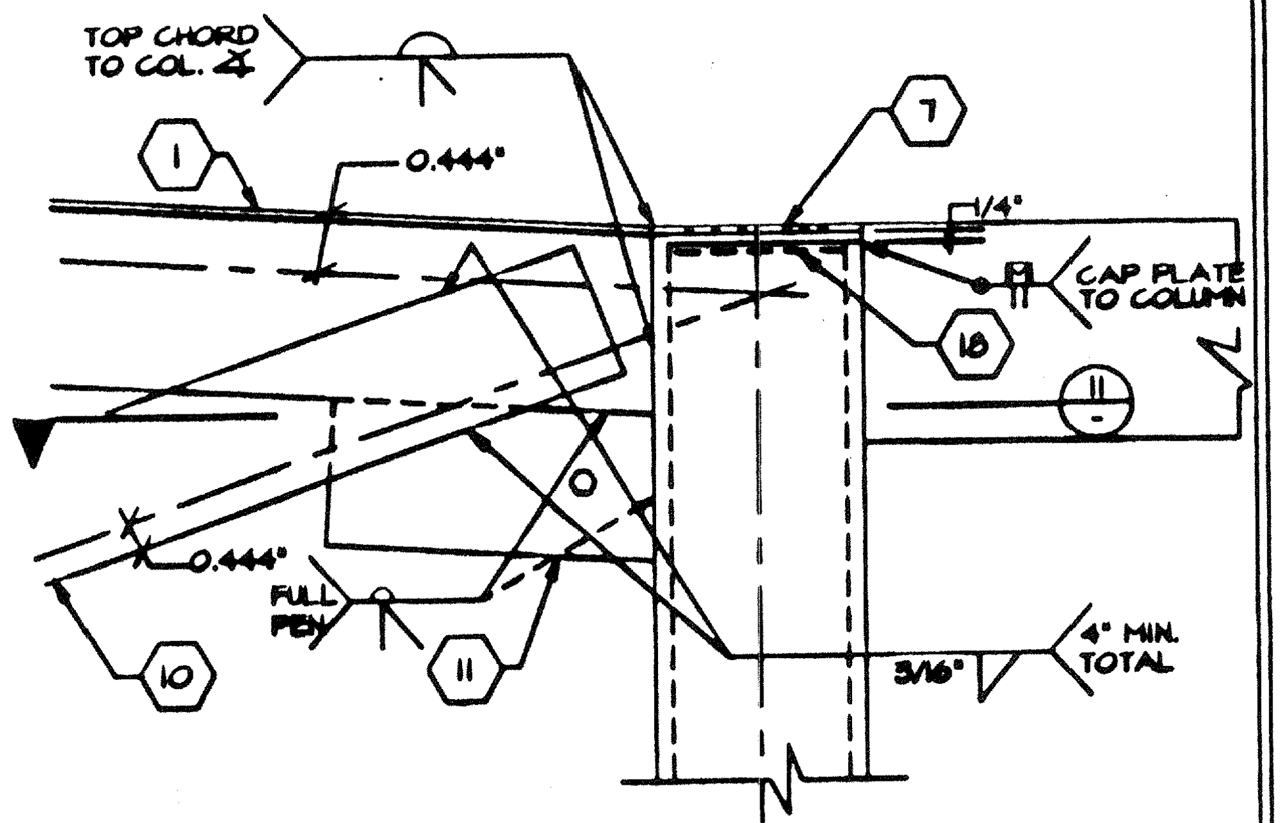
BOTTOM CHORD AT MIDSPAN
3



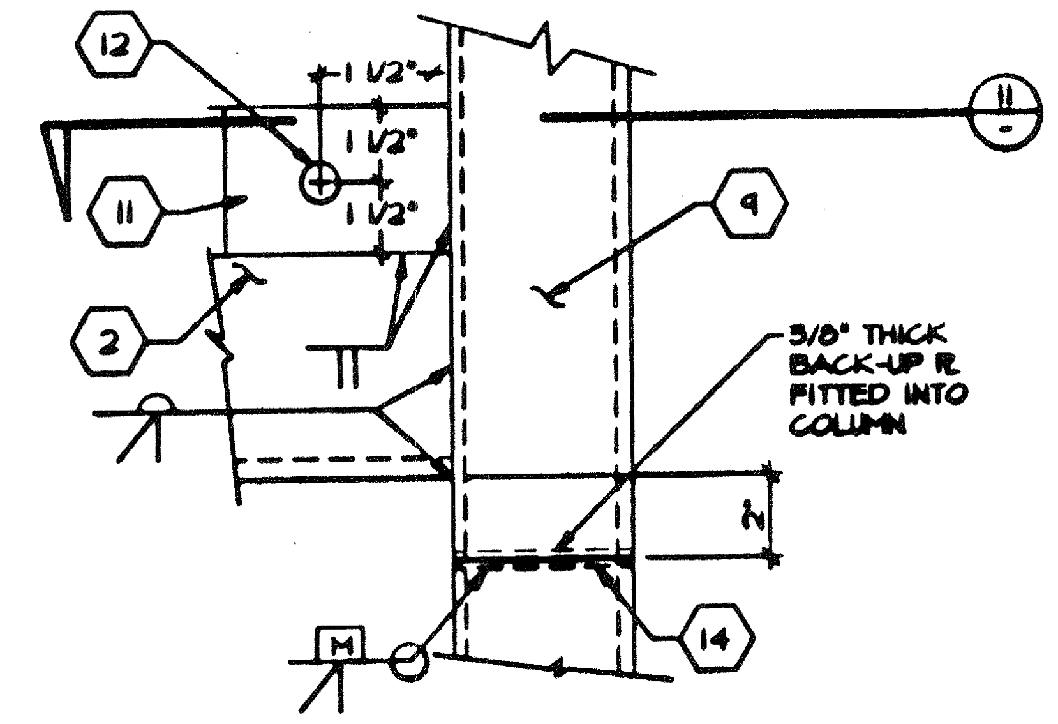
VERT & DIAG TO BOTTOM CHORD
4


4"
COMP. PEN.
VERT. TO TOP CHORD BOTH VERT.
3/16" 1 1/2"
3/16" 1 1/2" MIN.
TYP. BOTH VERT.
1/4" FULL DEPTH STIFFENER PLATE.
0.444

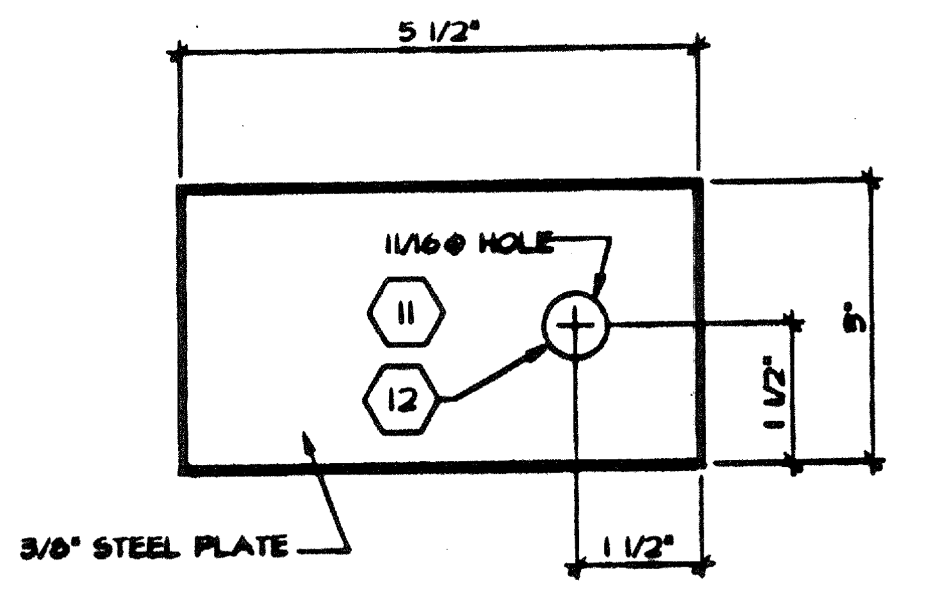
TOP CHORD AT MIDPOINT
5



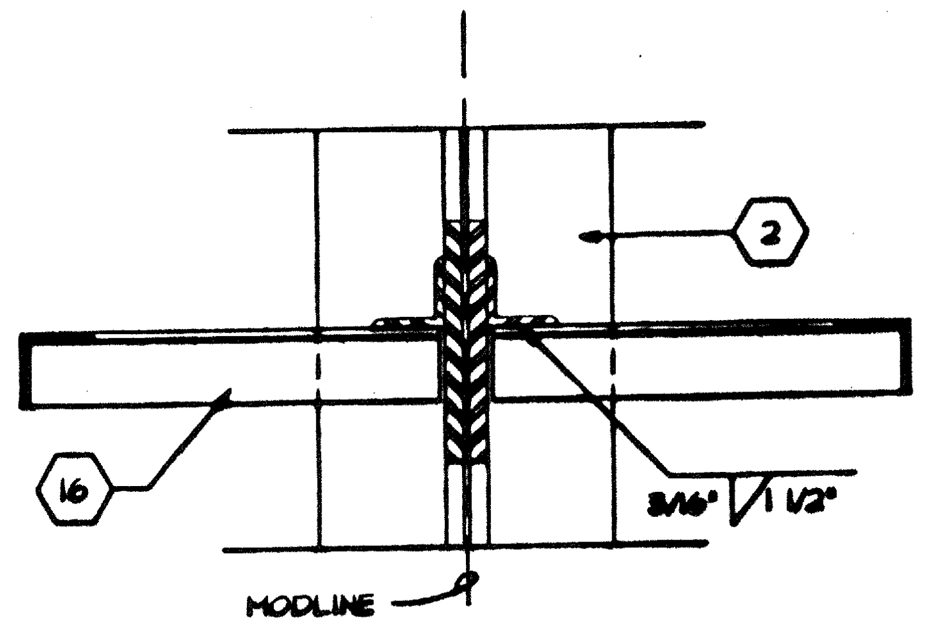
POST CONN TO TRUSS
6



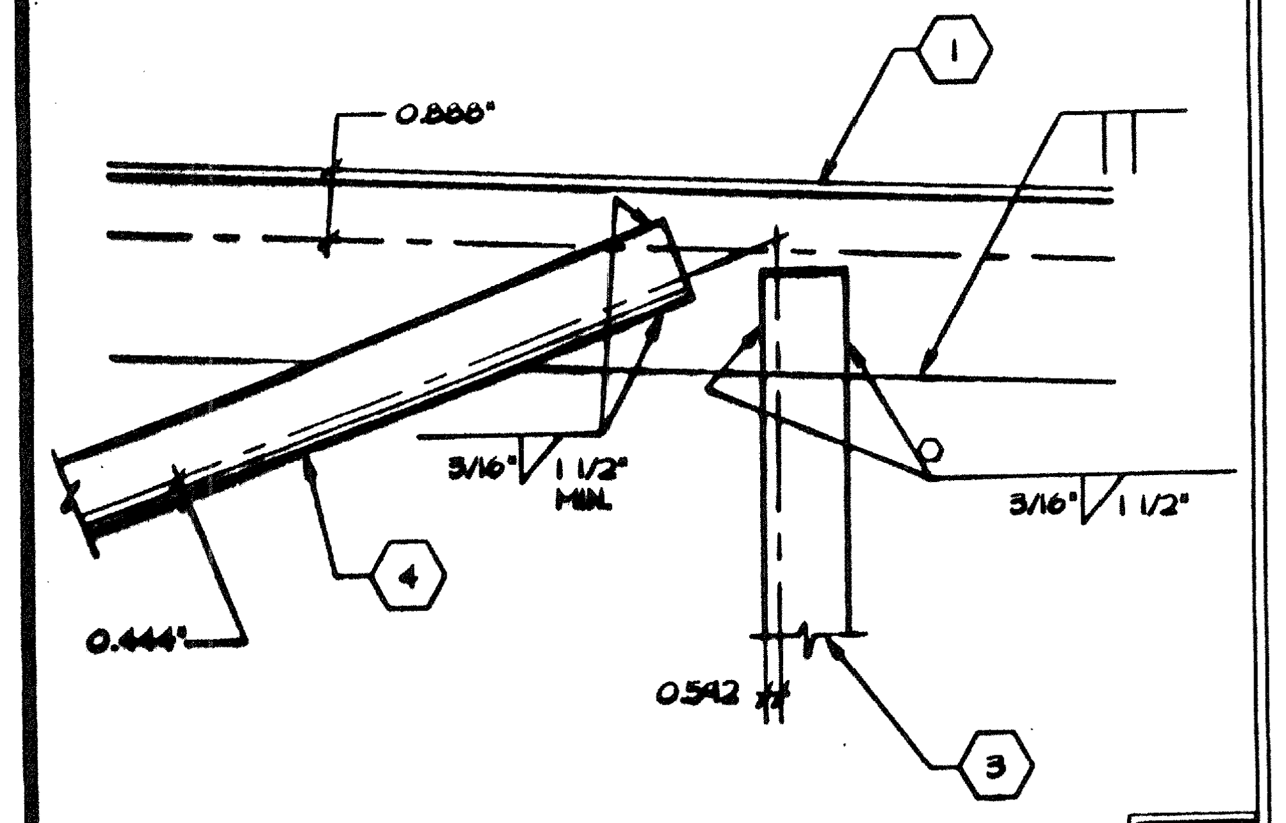
POST CONN TO TRUSS
7



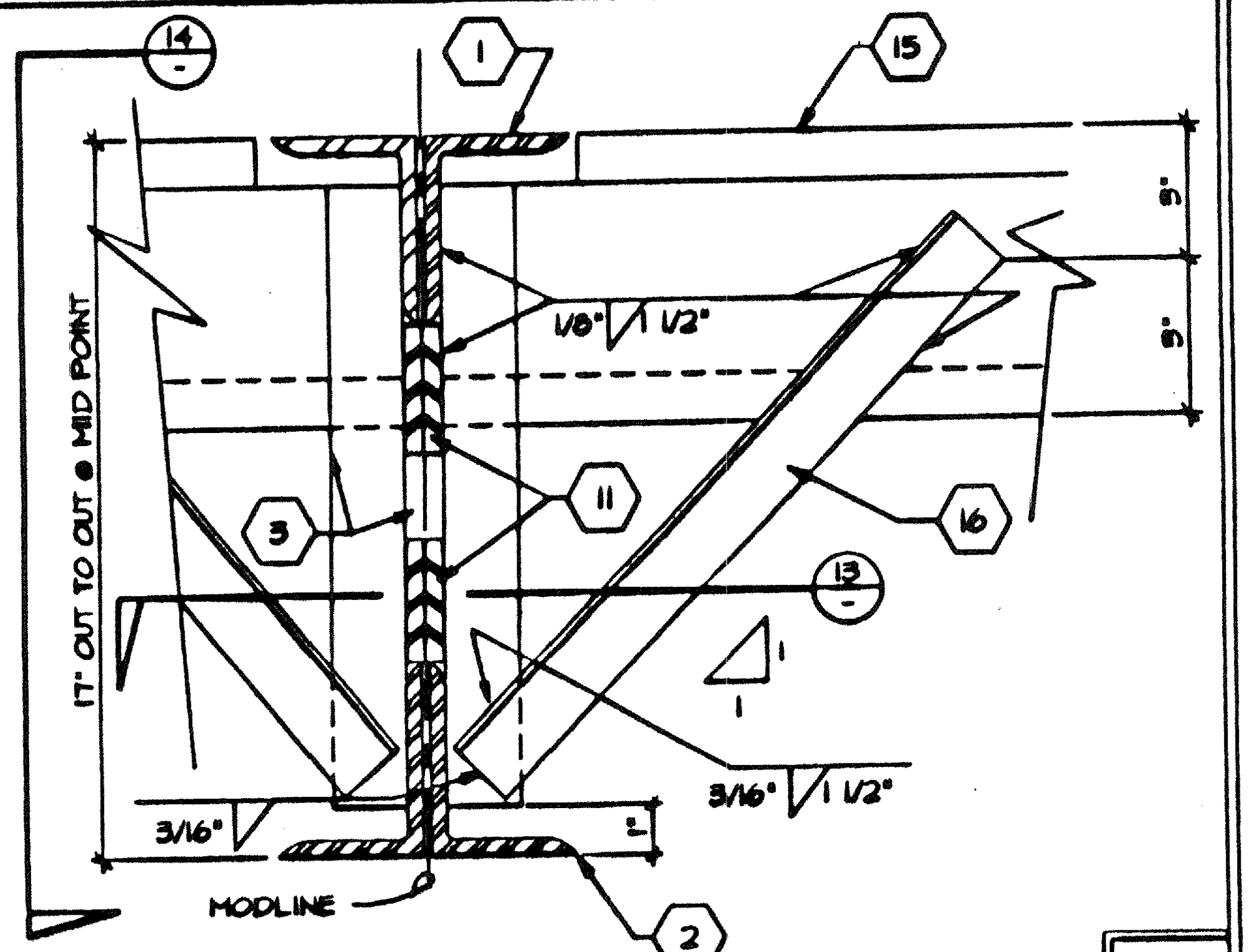
TIE PLATES
8



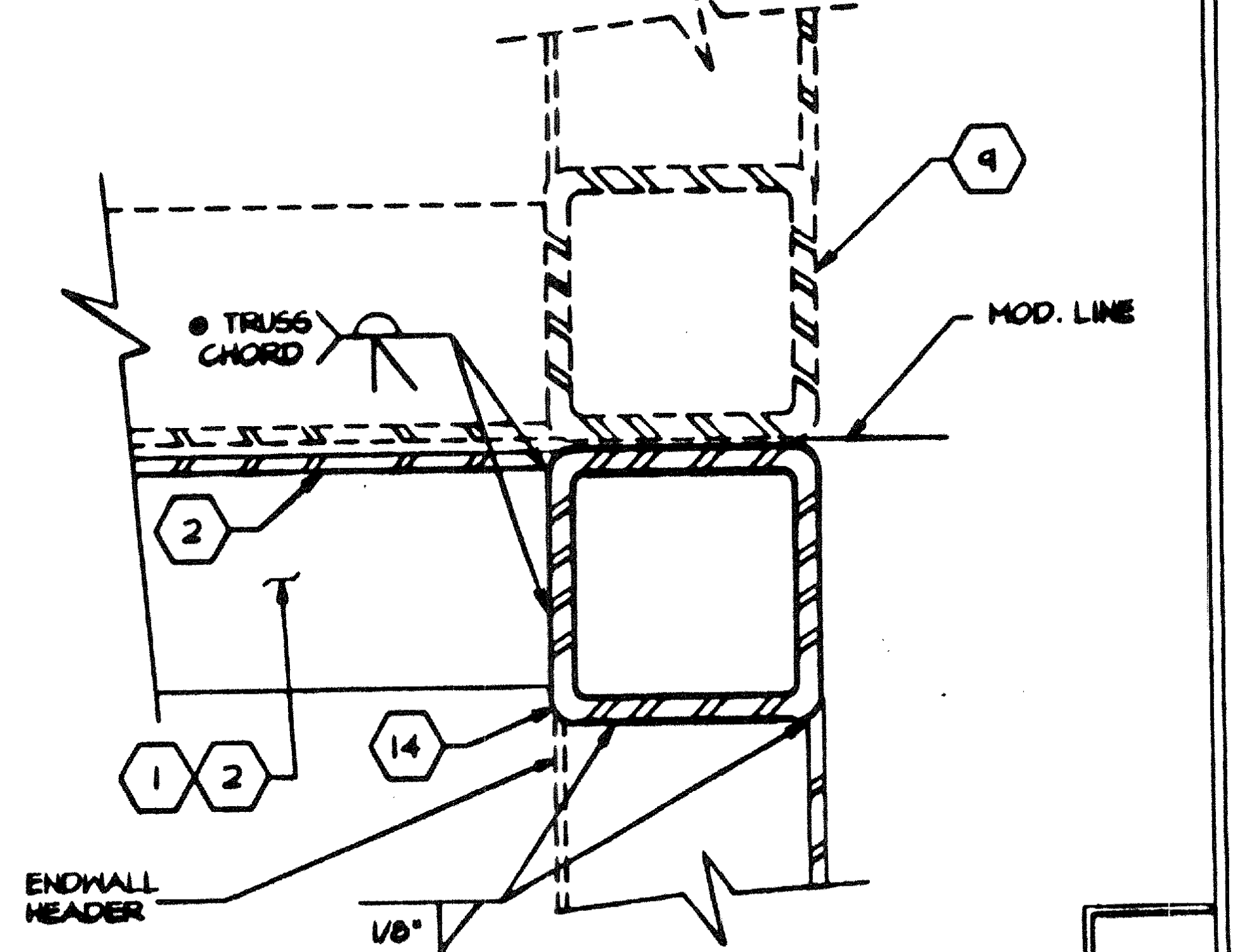
SECTION @ VERT MEMBER
13



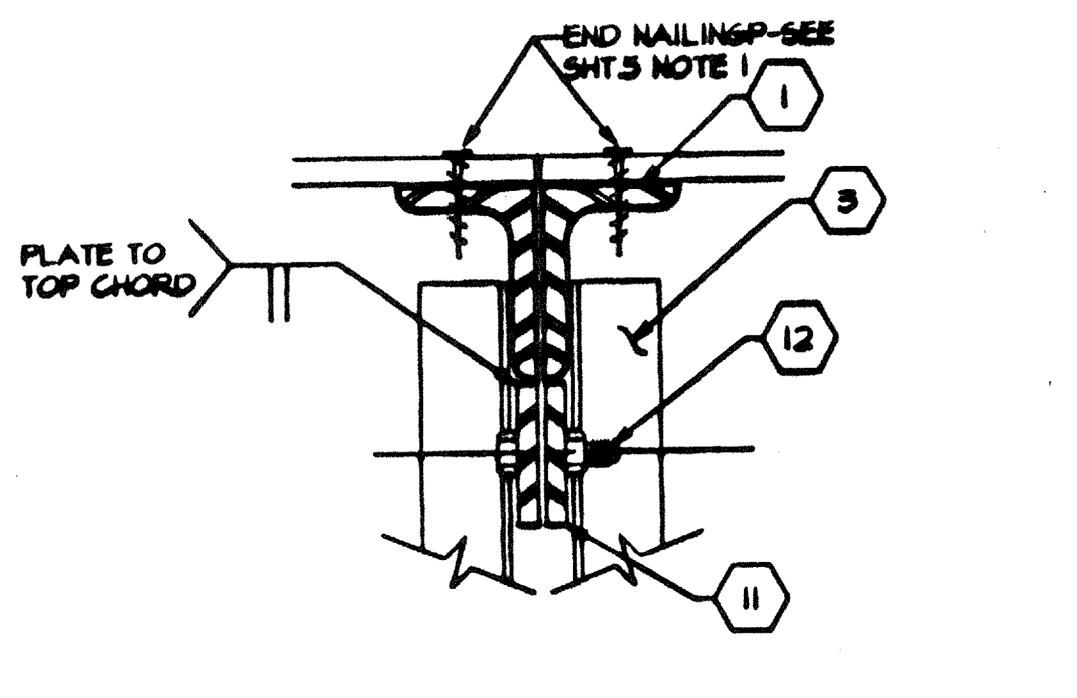
VERT. & DIAG. TOP CHORD
9



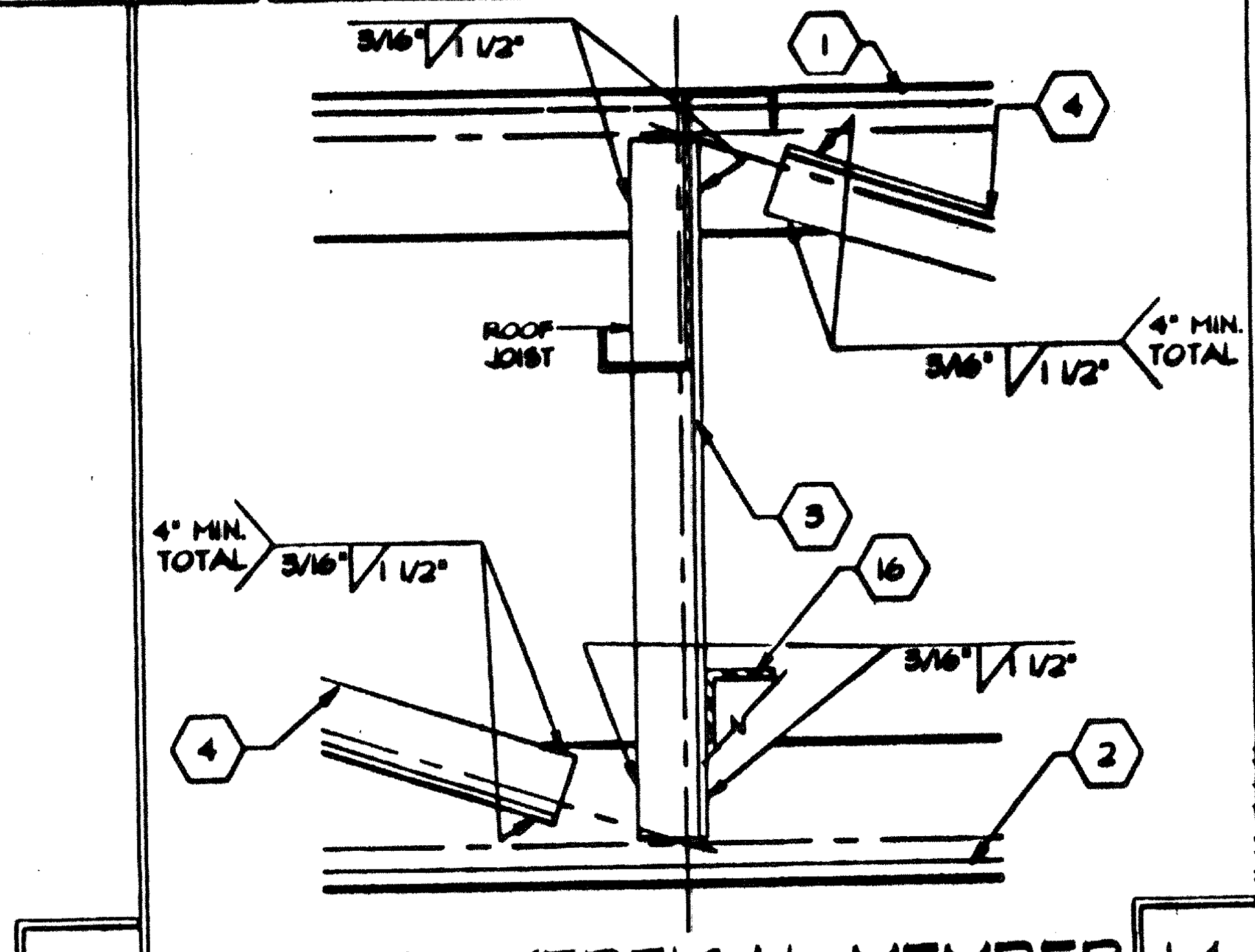
TRUSS TO ROOF JOIST BRACING
10



MODULE CONN AT TOP/BOT. CORD
11



MODULE CONNECTION
12



CONN. TO VERTICAL MEMBER
14

KEYNOTES

1. ∠ 3"x3"x3/8" TOP CHORD.
2. ∠ 3"x3"x3/8" 1/2" CHAMBER AT MIDPOINT
3. ∠ 1 1/2"x1 1/2"x3/16" VERTICAL MEMBER
4. ∠ 1 1/2"x 1 1/2"x 3/16" DIAGONAL MEMBER TYP.
5. NOT USED
6. NOT USED
7. 1/4" CAP PLATE
8. NOT USED
9. TS 3 1/2""x3 1/2"x1/4" STEEL TUBE
10. - TS 4" X 4" X 1/4" ALTERNATE TUBE STEEL. USE WITH PARAPET AND HVAC SCREEN OPTIONS.
11. 3/8"x3"x5 1/2" PLATE WITH 1 1/16" HOLE FOE 5/8" MACHINE BOLT LOCATE PLATES @ 8'-0" O.C. FOR MODULE CONNECTION. SEE DETAIL 8.
12. 5/8" MACHINE BOLT FOR MODULE CONNECTION
13. NOT USED
14. 3 1/2 "x 3 1/2 "x 1/4 " T.S.
15. ROOF JOIST- SEE NOTE 5 SHEET S4.0
16. 1 1/2"x1 1/2"x3/16" BRACE @ 8'-0" O.C.
17. ∠ 2"x 2"x 1/4" END DIAGONAL W/ MIN. 4" OF 3/16" FILLET WELD EACH END @ 80 "C".
18. 3/8" PLATE FITTED INSIDE TUBE COL. & WELDED IN PLACE TO COLUM W/ 3/16" FILLET WELD TWO SIDES
19. ∠ 1 1/2"x 1 1/2"x 3/16" DIAGONAL W/ MIN. 4" OF 3/16" FILLET WELD EA. END @ 70 "C".
20. [7"x 9.8 LB PERIMETER FLOOR FRAME.
21. 5/8" MACHINE BOLT @ MOD. CONNECTION SEE DETAIL 18 SHEET S6.0 OR S6.1

~~04 [illegible] MAR 2 0 2000~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

PC

D.S.A.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~04 - 1[illegible]1055~~
~~AC ___ FLS ___ SS ___~~
~~DATE JUN 29 1999~~

STRUCT. ENGINEER

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

LICENSE EXPIRES 6-30-2000

ARCHITECT

CHANGE ORDER

CHECKED BY

AURORA MODULAR INDUSTRIES
16833 Kramerio Ave., Riverside, CA 92504
Phone (909) 789-7196
Fax (909) 789-0283

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

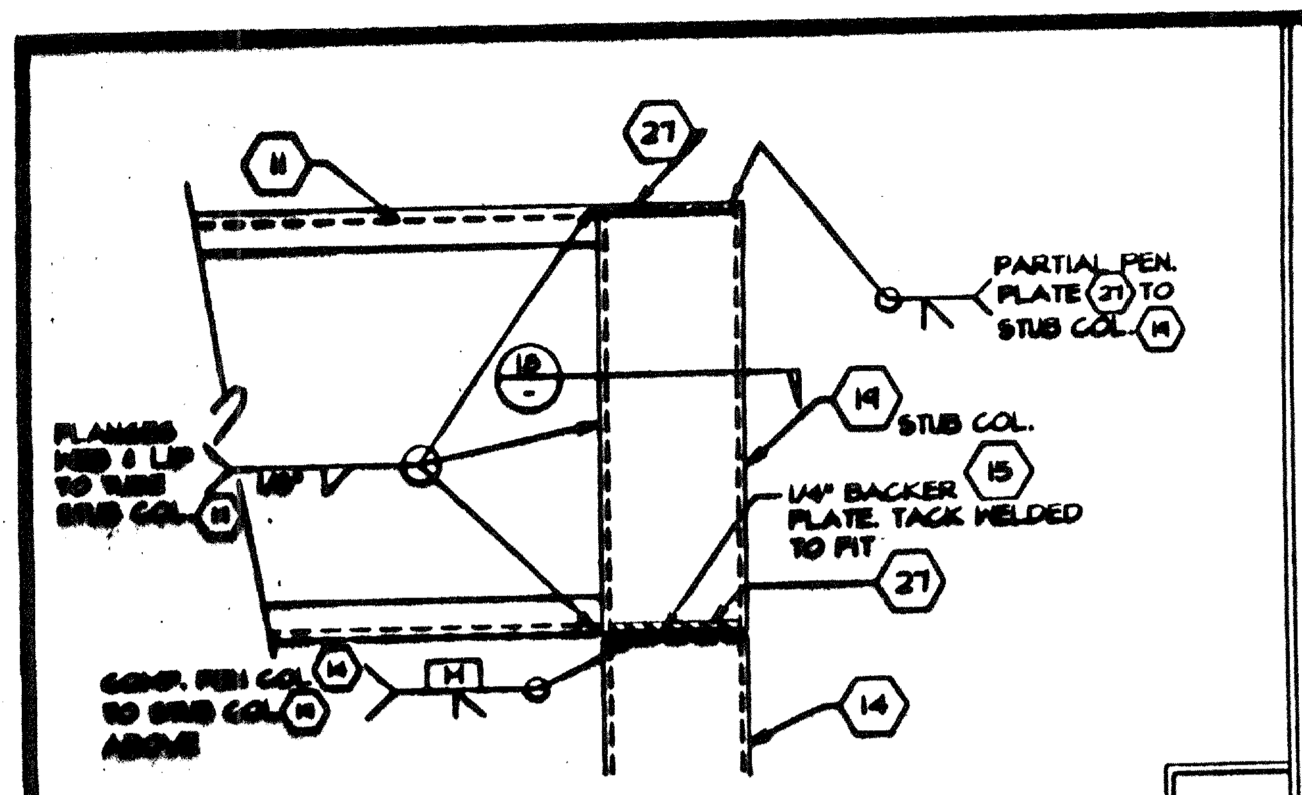
GABLE ROOF
STEEL TRUSS
SECTION AND
DETAILS

BY JA DATE 12-6-99

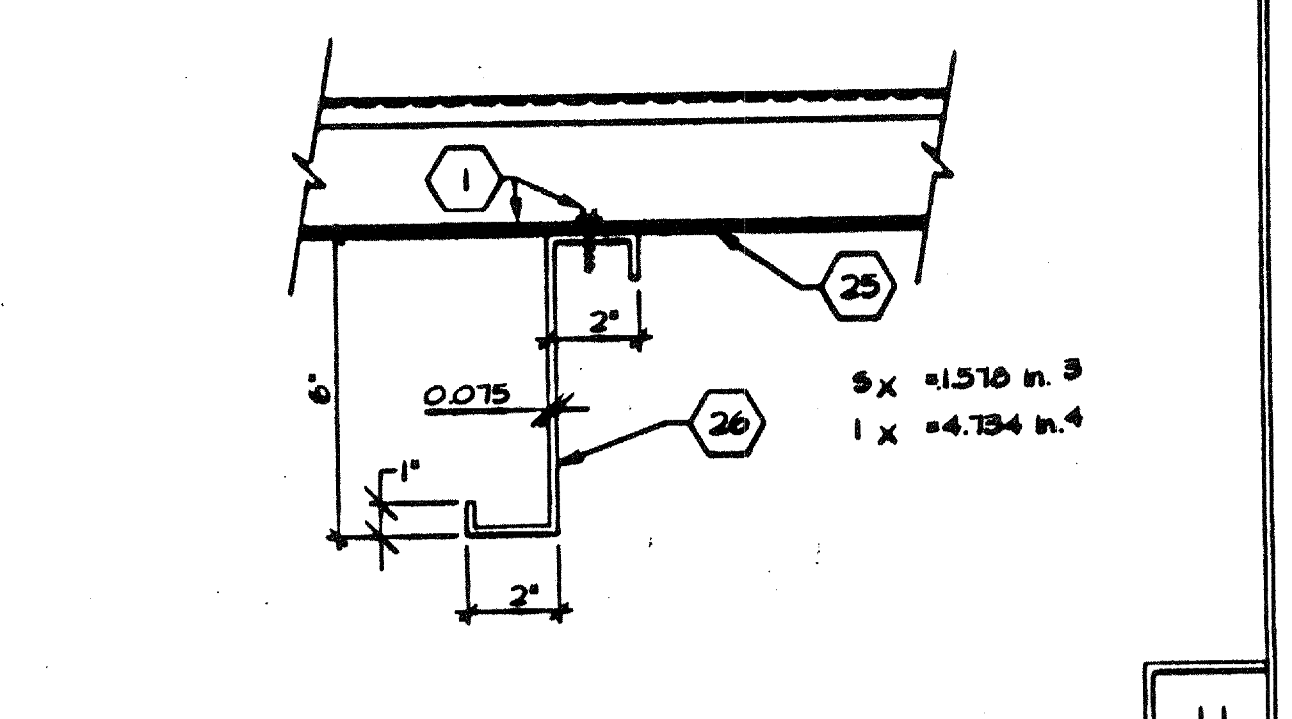
SHEET
37-S5.0

4278 CAD. FILE NO. PC

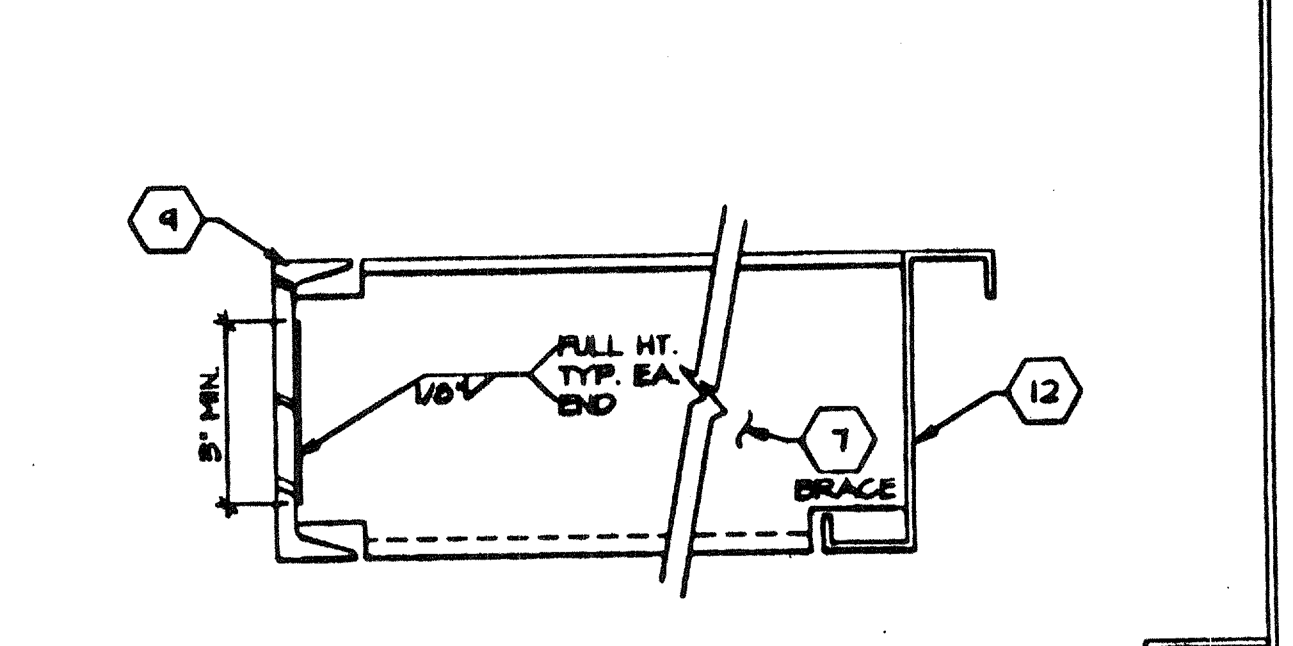
CBC 1998


11
27
PARTIAL PEN. PLATE (27) TO STUB COL (14)
18
14
STUB COL.
FLANGES WEB & LIP TO TUBE STUB COL. (14)
1/4" BACKER PLATE, TACK WELDED TO FIT (15)
27
COMP. PEN COL (14) TO STUB COL (14) ABOVE
14
1/8"

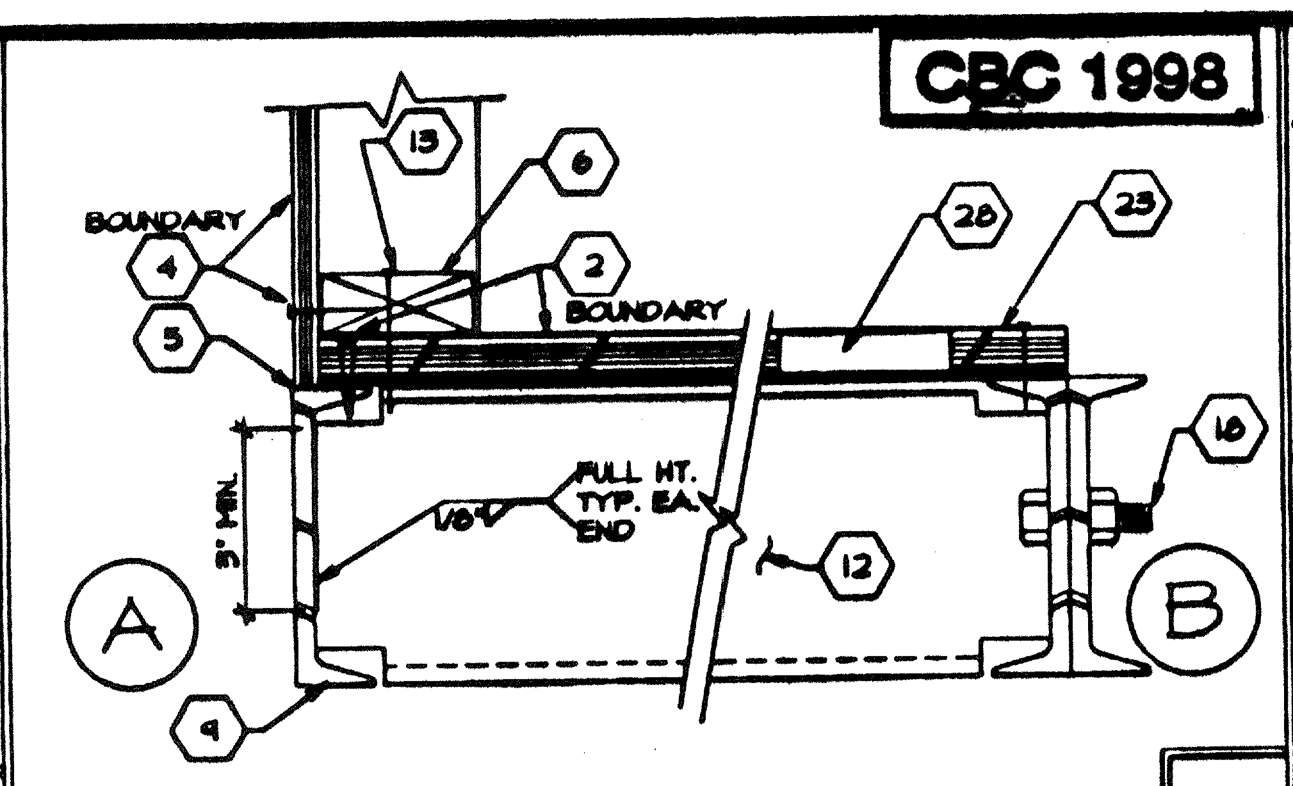
POST CONN. AT ROOF 16



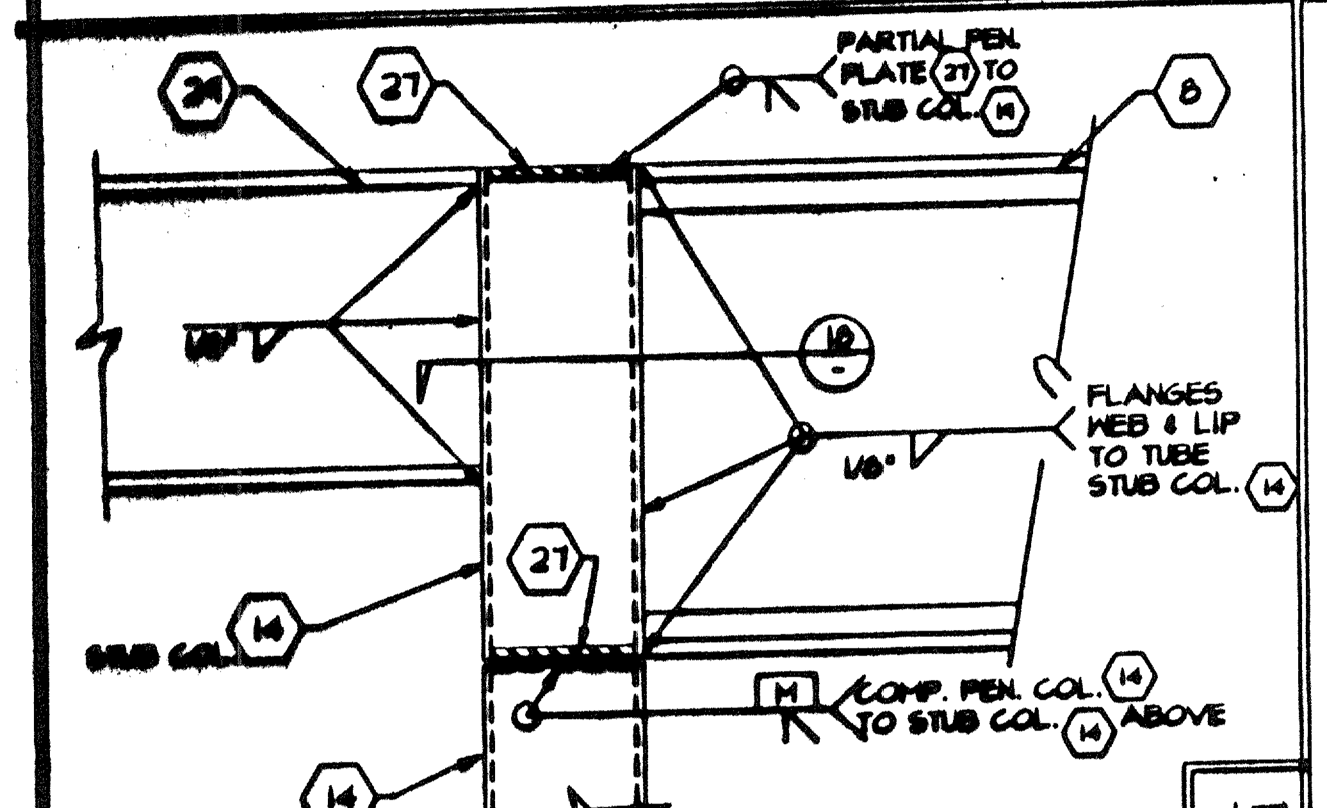
ROOF JOIST 11



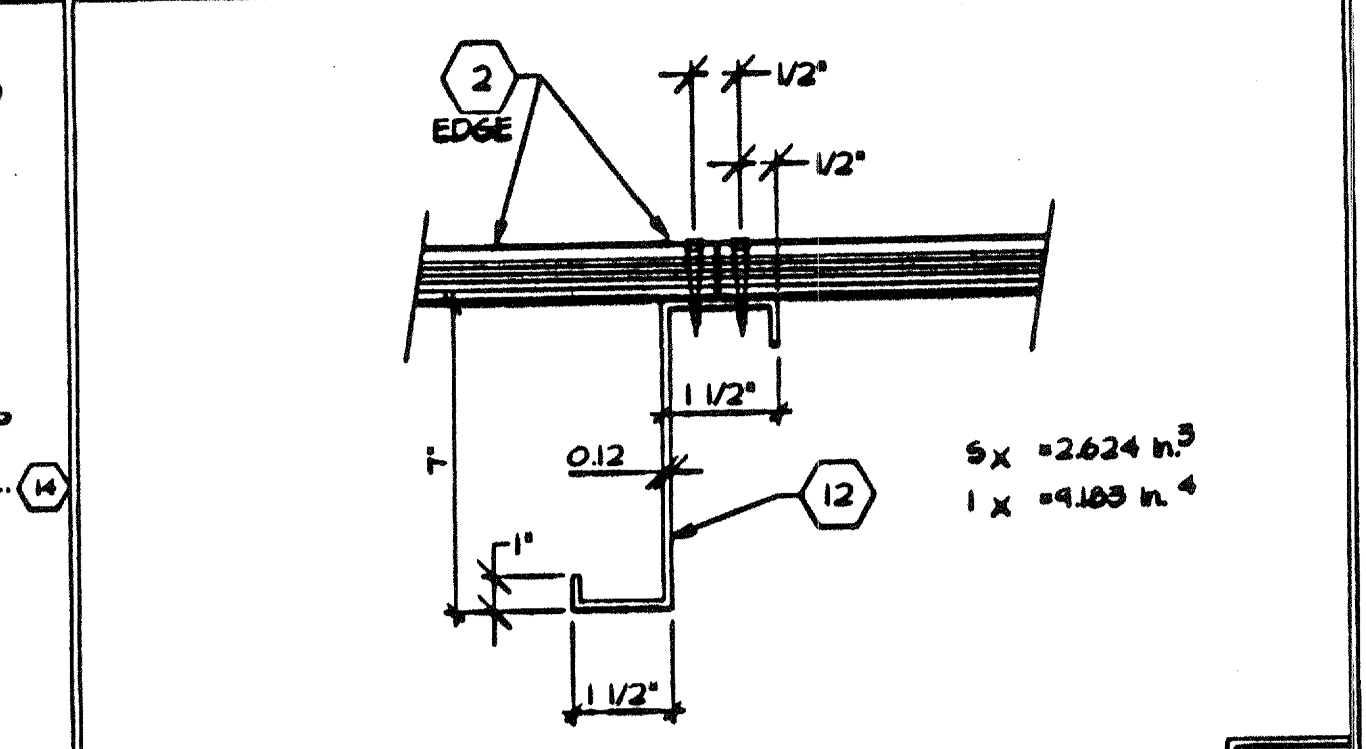
BRACE AT FLOOR 6



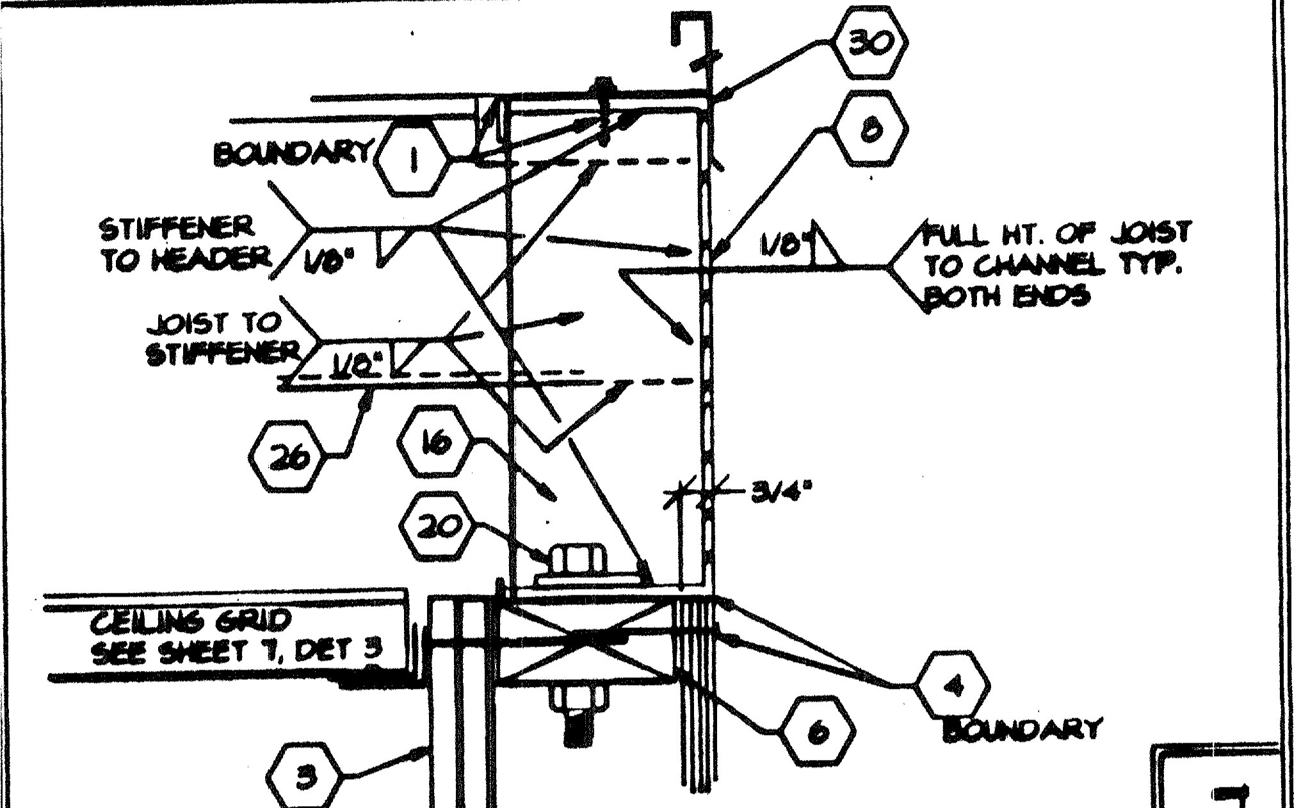
PERIMETER FLOOR 1


29
27
PARTIAL PEN. PLATE (27) TO STUB COL (14)
8
1/8"
18
FLANGES WEB & LIP TO TUBE STUB COL. (14)
1/8"
27
STUB COL.
14
COMP. PEN. COL. (14) TO STUB COL (14) ABOVE
14

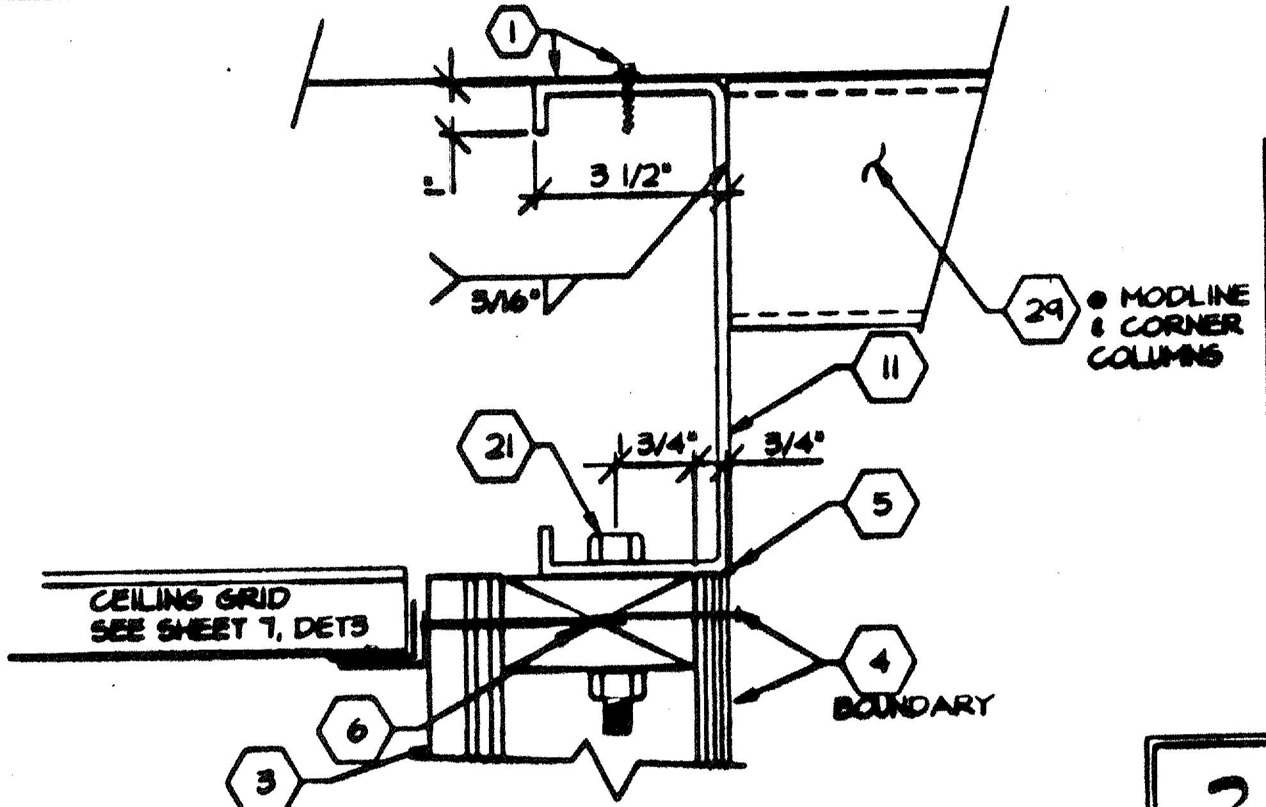
POST CONN. AT ROOF 17



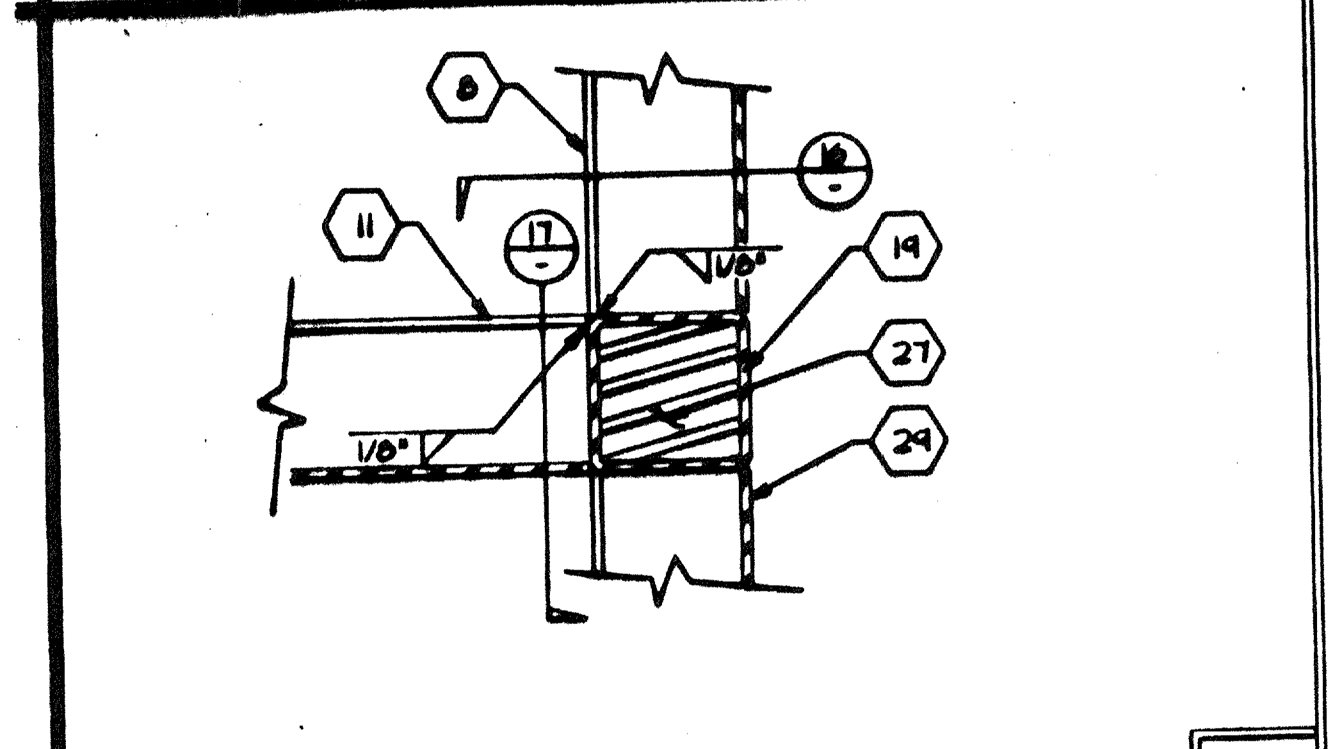
FLOOR JOIST 12



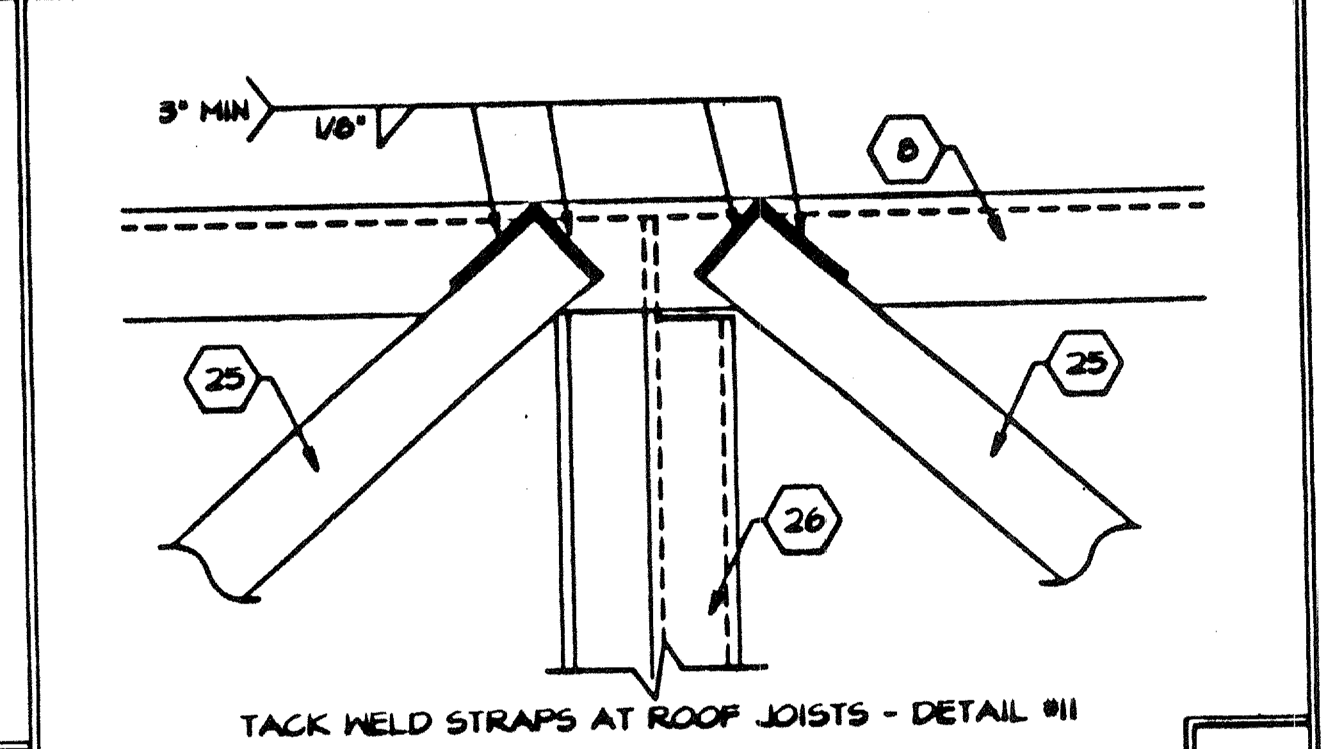
ROOF AT SIDEWALL 7



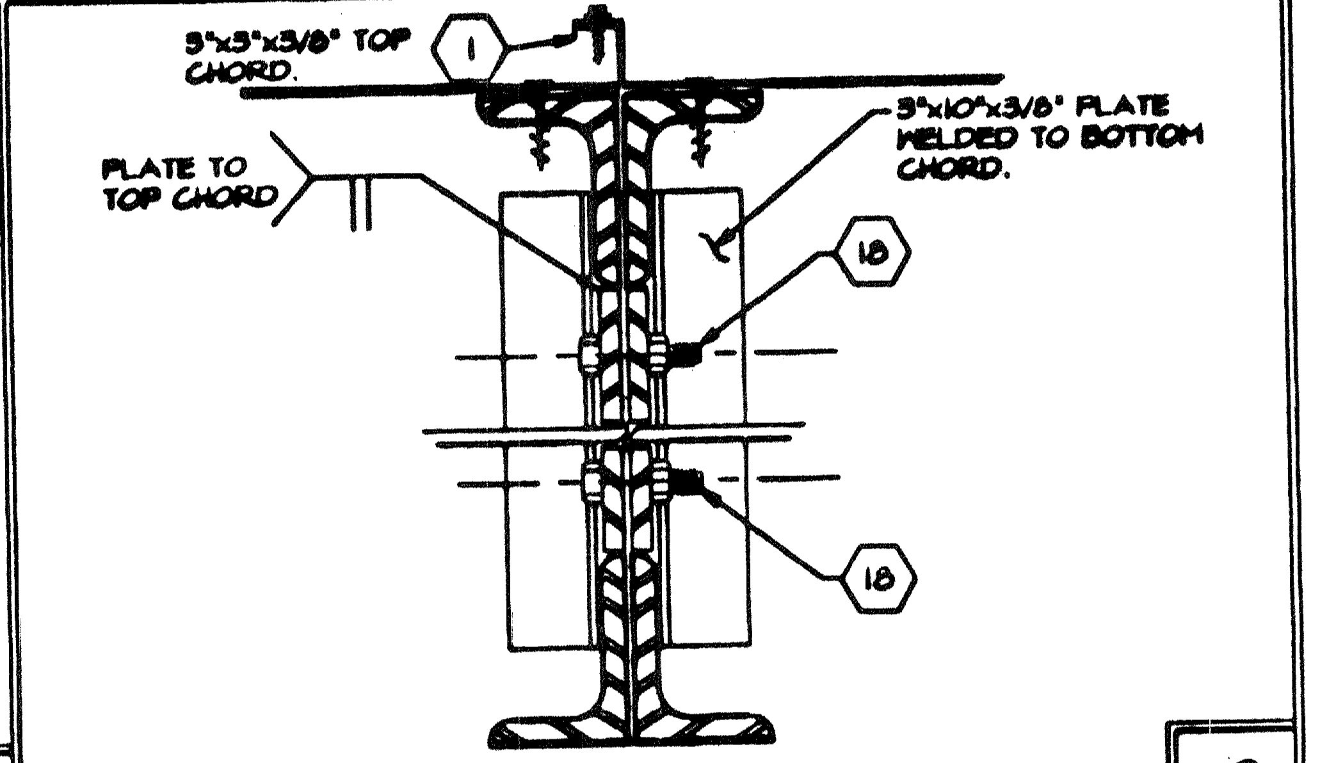
ROOF AT ENDWALL 2



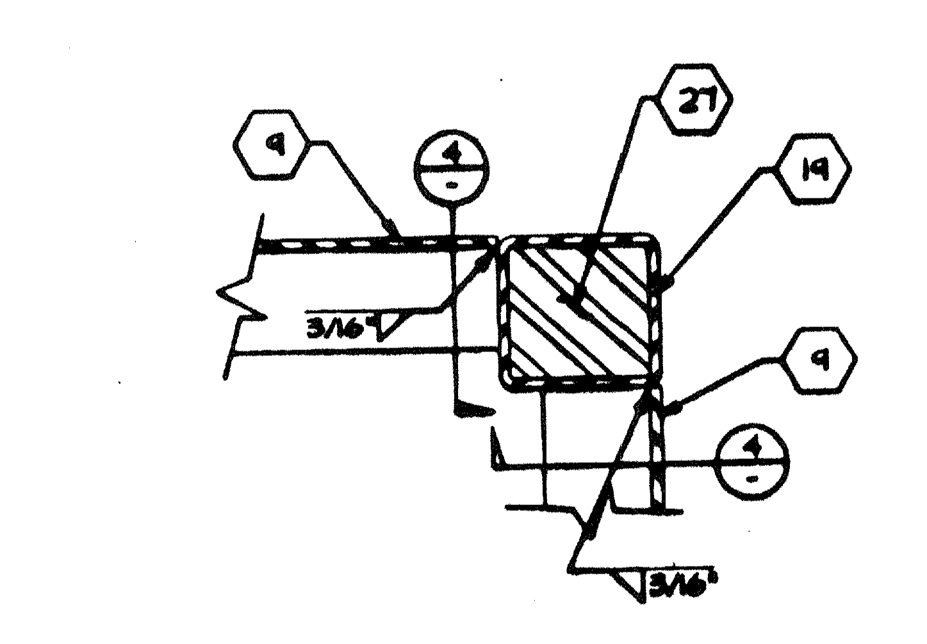
POST CONN. AT ROOF 18



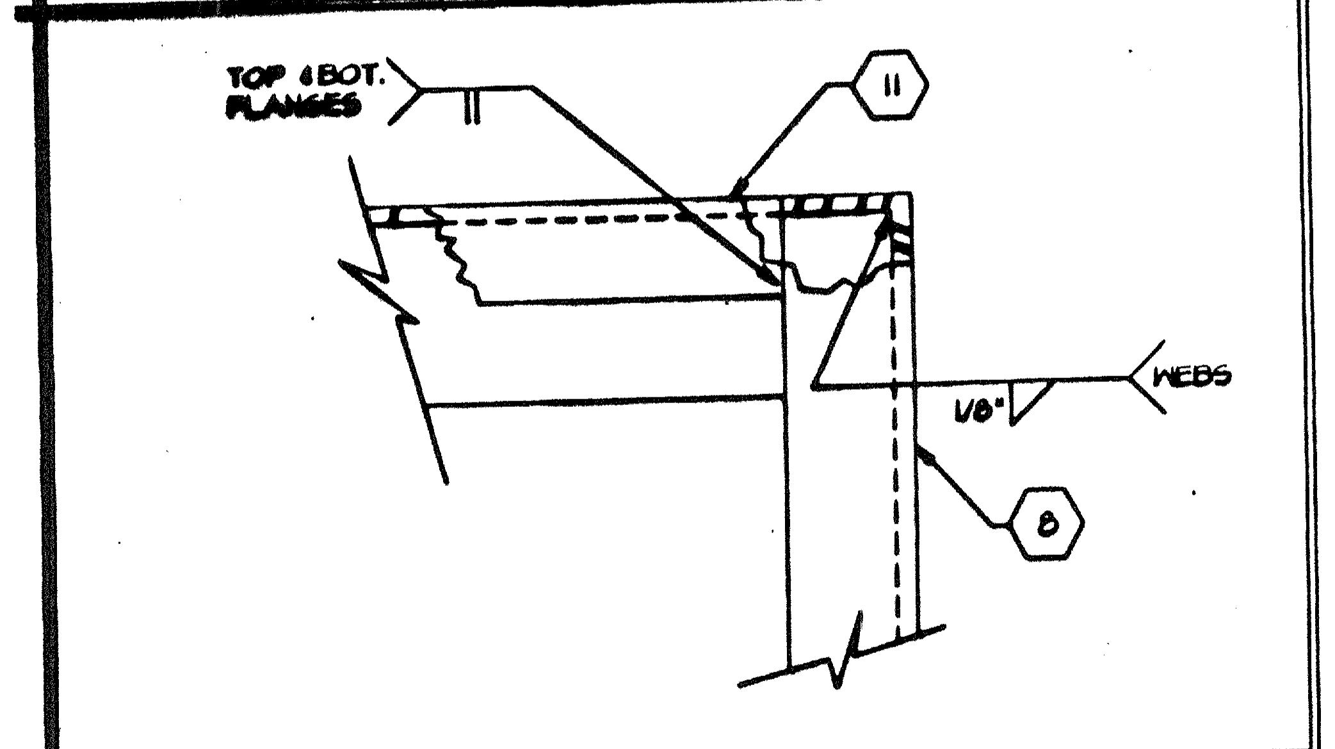
20 Ga. STRAP @ RF. BEAM 13



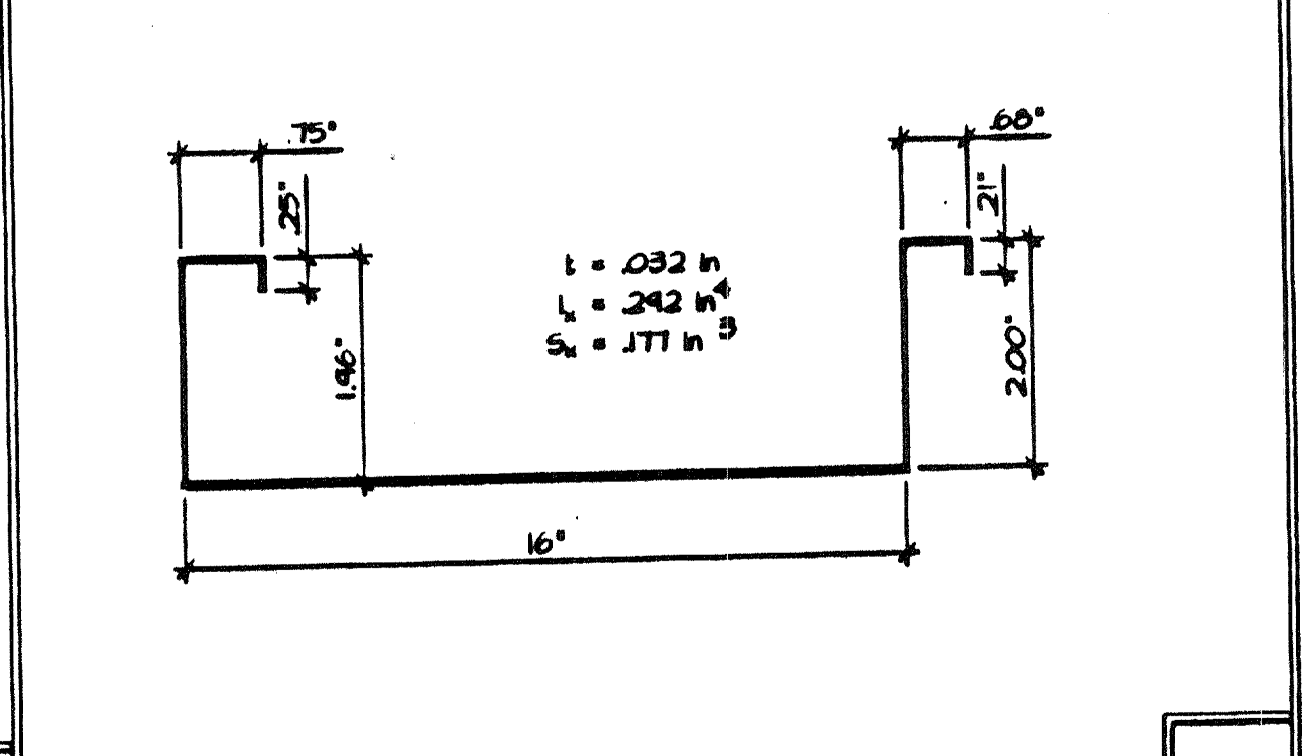
TRUSS AT MODLINE 8



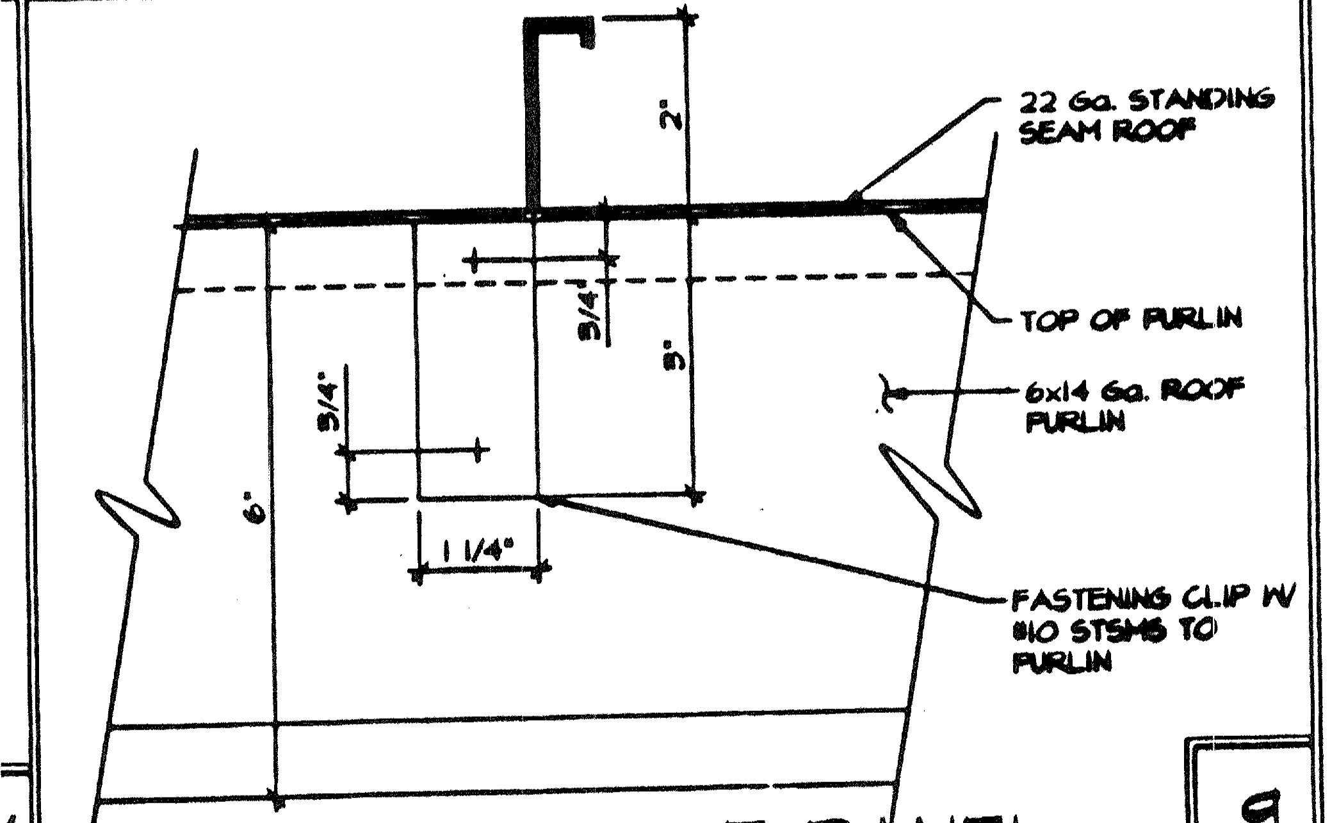
CORNER CONN. AT FLOOR 3



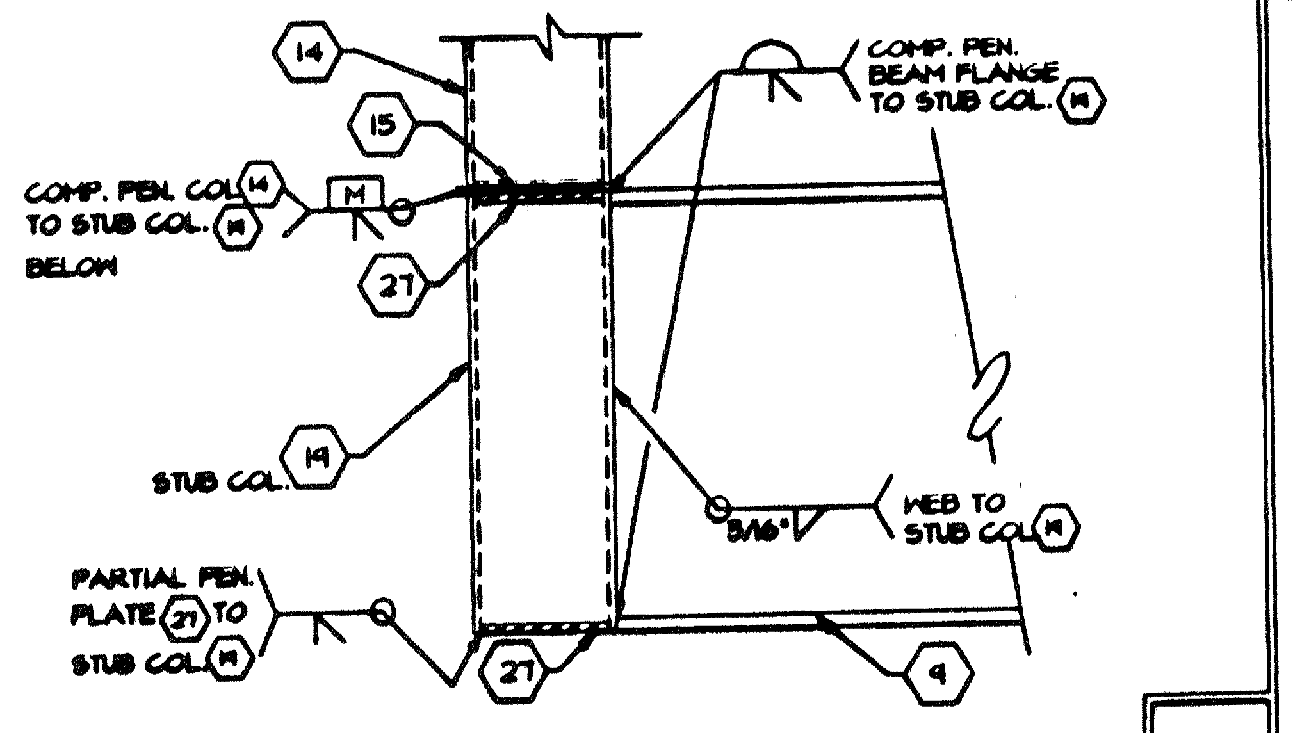
HEADER TO BEAM CONN. 19



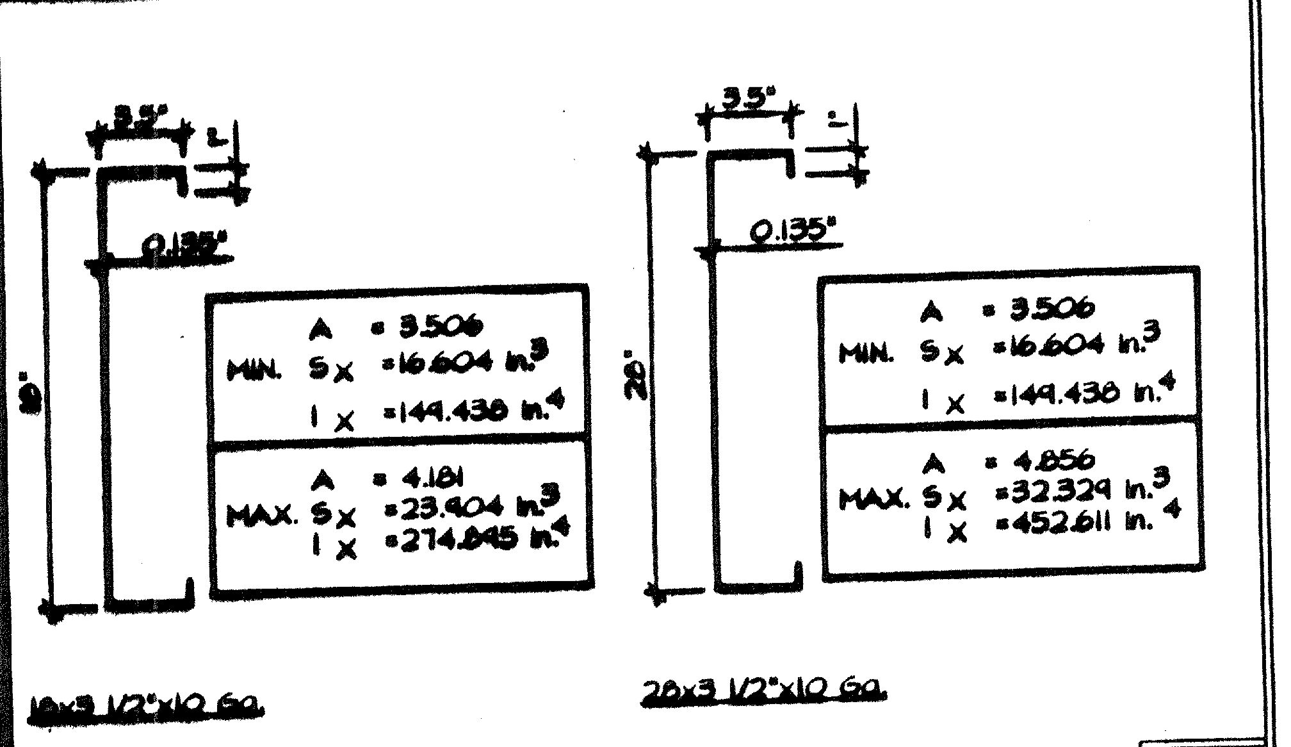
ROOF PANEL SECTION 14


2"
22 Ga. STANDING SEAM ROOF
TOP OF PURLIN
3/4"
5"
3/4"
6"
6x14 Ga. ROOF PURLIN
1 1/4"
FASTENING CLIP W/ #10 STSMS TO PURLIN

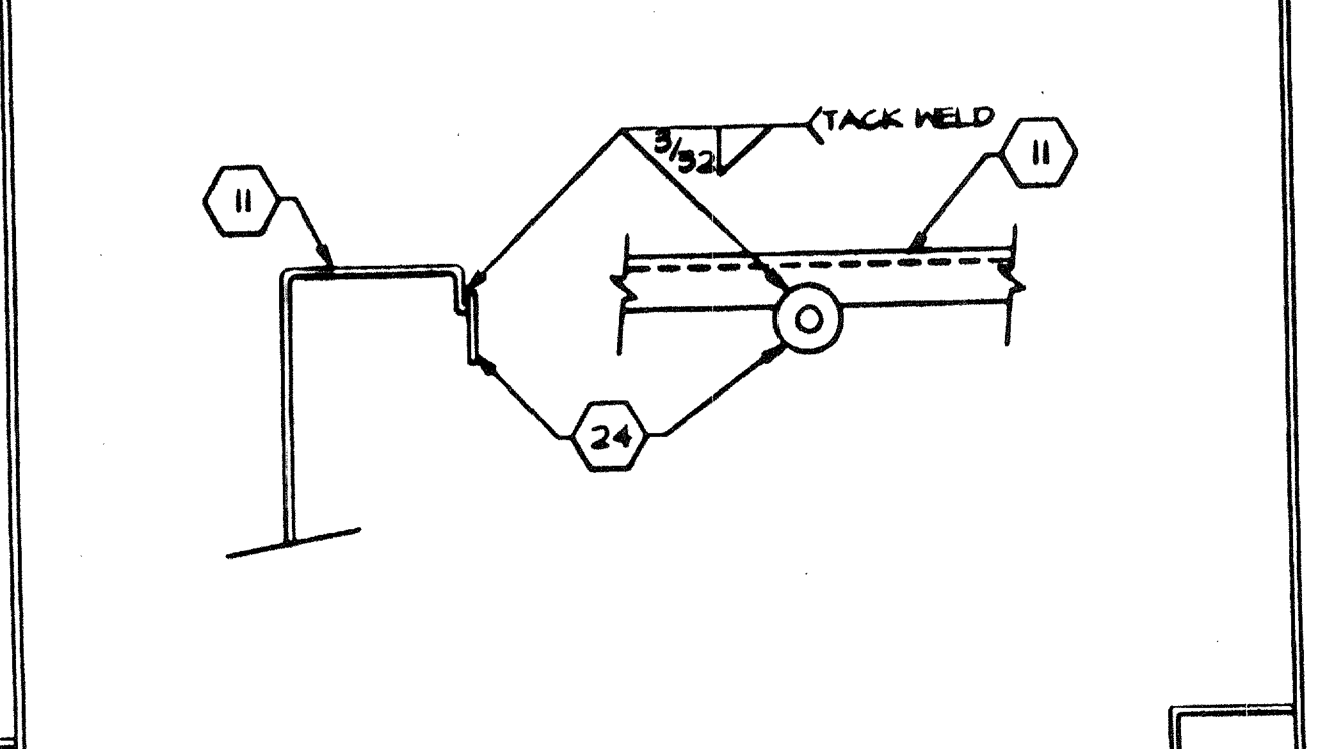
CLIP AT ROOF PANEL 9


14
15
COMP. PEN. BEAM FLANGE TO STUB COL. (14)
COMP. PEN. COL (14) TO STUB COL. (14) BELOW
27
STUB COL.
14
3/16"
WEB TO STUB COL (14)
PARTIAL PEN. PLATE (27) TO STUB COL (14)
27
9

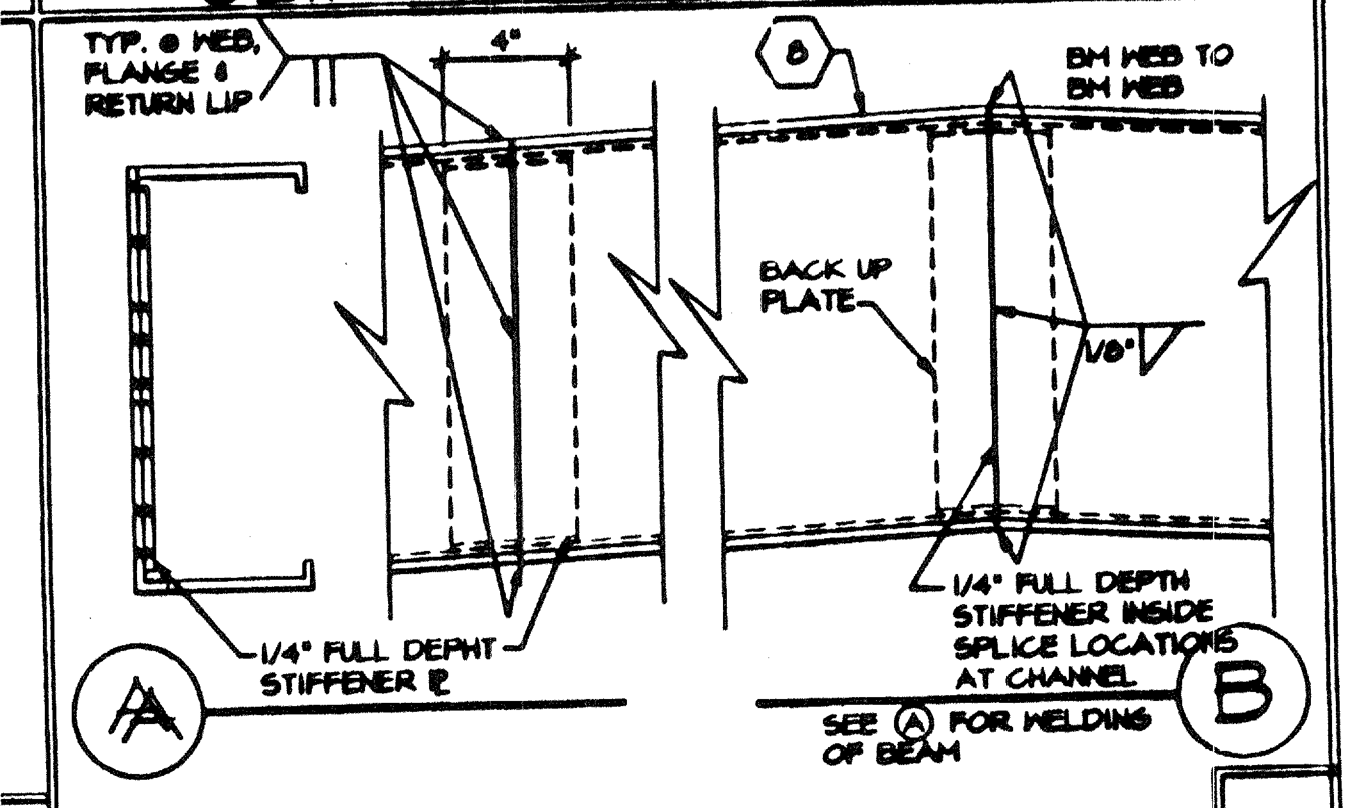
POST CONN. AT FLOOR 4



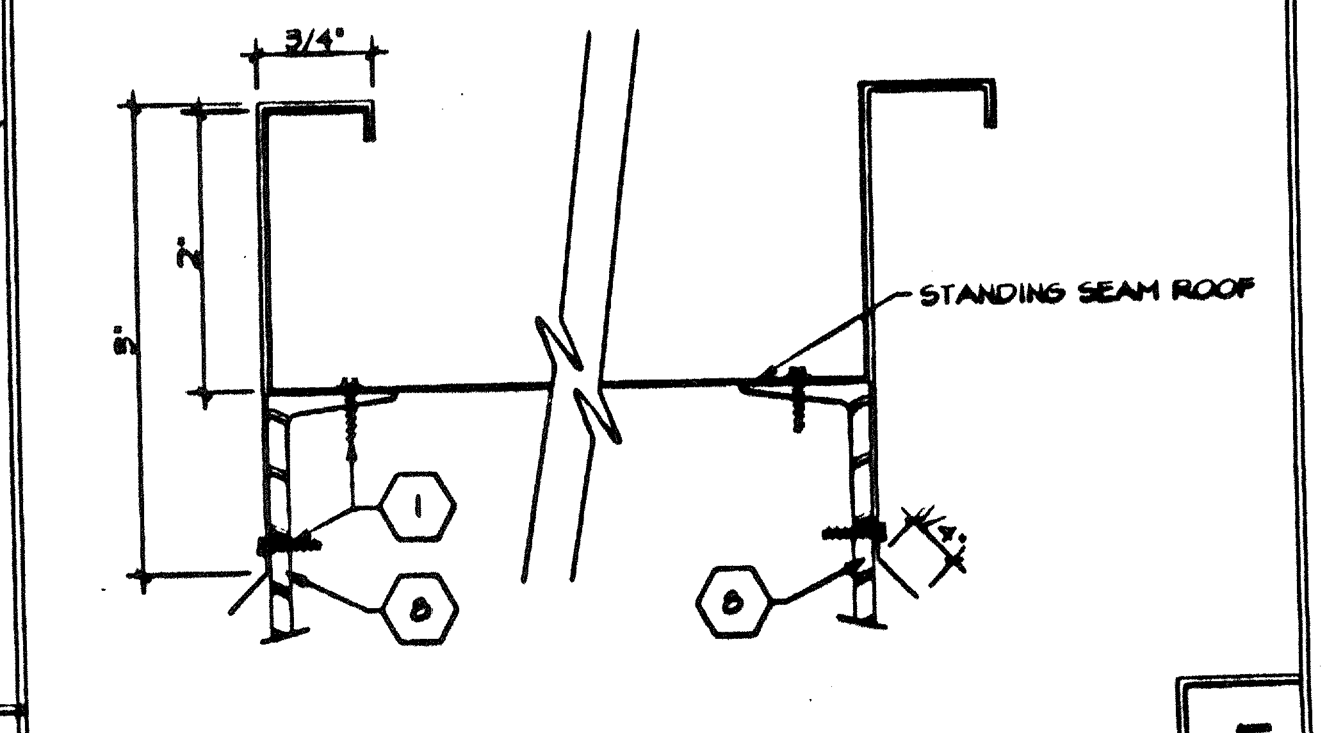
SECTION PROPERTIES 20



WELD WASHER 15


TYP. @ WEB, FLANGE & RETURN LIP
4"
8
BM WEB TO BM WEB
BACK UP PLATE
1/8"
1/4" FULL DEPHT STIFFENER
A
1/4" FULL DEPTH STIFFENER INSIDE SPLICE LOCATIONS AT CHANNEL
B
SEE (A) FOR WELDING OF BEAM

TYPICAL BEAM SPLICE 10



DRIP FLASHING @ SIDEWALLS 5

KEYNOTES

1. STEEL ROOF DECK - 22 Ga. ROLL FORMED 2 1/2" STANDING SEAM ROOF DECK. USE #14 SELF TAP SCREWS @ 12" O.C. @ 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.
2. PLYWOOD FLOOR SHEATHING - SEE NOTE 2 SHT. S4.0 OR S4.1. ATTACH PLYWOOD W/ #10 - 24 x 1-3/4" SELF TAP SCREWS @ 6 O.C. BOUNDARY & EDGES AND 6" O.C. FIELD. W/ FLOOR JOIST @ 48" O.C. (JOIST SPACE UNDER 48" O.C. = 10" O.C. FIELD)
3. TYPICAL INTERIOR FINISH - SEE SHEET 9.1
4. TYPICAL EXTERIOR FINISH - SEE SHEET 9.1
5. SEALANT
6. 2 x 4 TOP OR BOTTOM PLATE
7. 7"x 11 Ga. STEEL BRACE WELDED TO PERIMETER FRAME AND FLOOR JOIST.
8. 18/23/18x3 1/2"x10 Ga. CHANNEL @ GABLE ROOF & 18/28/18x3 1/2"x10 Ga. CHANNEL @ MONO SLOPE.
9. 7"x 9.8 lb PERIMETER FRAME.
10. 4"x 4"x 1/2" STIFFENER
11. GABLE ROOF: 18x3 1/2"x10 Ga. CHANNEL ROOF HDR. EA. END MONO SLOPE: 28x3 1/2"x10 Ga. CHANNEL ROOF HDR. @ FRONT AND 18x3 1/2"x10 Ga. CHANNEL ROOF HDR. @ REAR.
12. 7"x 11 Ga. FLOOR JOIST.
13. 16d NAIL @ 8" O.C.
14. STEEL COLUMN - 3 1/2"x 3 1/2"x 1/4" TUBE AT 70 "C" AND 80 "C".
15. 1/4" CAP PLATE.
16. 3/16" FULL HEIGHT STIFFENER @ 4'-0" O.C.
17. NOT USED
18. 5/8" MACHINE BOLT @ MODULE CONNECTION - SEE SHT. S4.0 OR S4.1 "STRUCTURAL SIDE" FOR ELEVATIONS.
19. 3 1/2"x 3 1/2"x 1/4"x 11 3/4" LONG TUBE AT ROOF @ 70 & 80"C". 3 1/2"x 3 1/2"x 1/4"x 7" LONG TUBE AT FLOOR @ 70 & 80 "C".
20. 1/2" MACHINE BOLT W / WASHER @ 24" O.C. MIN.
21. 1/2" MACHINE BOLT @ 24" O.C. MIN.
22. CHANNEL FRAME - GRIND WELDS ON EXPOSED FACES SMOOTH.
23. AT MODULE JOINT TAKE PLYWOOD TO EDGE OF CHANNEL. AT PERIMETER, HOLD PLYWOOD BACK AS INDICATED.
24. WELD WASHER - 1-3/8"x 3/32" WITH 9/16" HOLE. WELD TO UPPER CHANNEL FLANGE.
25. 2"x 20 Ga. STRAPS W/ 3" MIN. OF 1/8" FILLET WELD EA. END TO ROOF BEAM.
26. 6"x 14 Ga. ROOF JOIST
27. 1/4" PLATE FITTED INSIDE TUBE COLUMN AND WELDED IN PLACE.
28. 5" DIA. HOLE AT BOLT LOCATION.
29. [10"x11 Ga. HDR. @ PERIMETER OF O'HANG
30. GALVANIZED SHEET METAL- SEE DEATIL 5

NOTE: USE 4" X 4" X 1/4" TUBE STEEL WHEN PARAPET AND HVAC OPTION

PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

D.S.A.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~04 - 101055~~
~~AC ___ FLS ___ SS ___~~
~~DATE JUN 2 9 1999~~

STRUCT. ENGINEER

No. 3662
LICENSE EXPIRES 6-30- 2000

ARCHITECT

CHANGE ORDER

CHECKED BY

~~04 101055~~
~~JUN 2 9 1999~~

16833 Kramerio Ave., Riverside, CA 92504
Phone (909) 789-7196
Fax (909) 789-0263
AURORA MODULAR INDUSTRIES

RELOCATABLE BUILDING FOR:
STOCKPILE
WILLIAMS / SCOTSMAN

STRUCTURAL
DETAILS AND
NOTES
(WOOD STUDS)
22 GA. ROOFING

BY LA
DATE 12-6-99

SHEET
37-S6.1

4278
ECAL FILE NO.

©1998 Aurora Modular Industries

Pre-Check (PC)

Metal Ramp and Landing

REFERENCE SYMBOLS

BUILDING SECTION:

A / A9 — SHEET LOCATION / SHEET NUMBER

BUILDING DETAIL:

A / A11 — DETAIL NUMBER / SHEET NUMBER

REVISION:

△ #

PLAN KEY NOTE:

(4) →

PLAN ENLARGEMENT:

A / A3 — SHEET LOCATION / SHEET NUMBER

SHEET INDEX: 8 SHEETS

T1	TITLE SHEET
G1	DSA 103 SPECIAL INSPECTIONS
R1.0	METAL RAMP & LANDING PLANS & DETAILS
~~R1.0A~~	~~METAL RAMP & LANDING PLANS~~
~~R1.1~~	~~METAL RAMP & LANDING PLANS~~
R1.2	METAL RAMP & LANDING PLANS & DETAILS
R2.0	METAL RAMP DETAILS
R3.0	METAL RAMP DETAILS

TOTAL OF 8 SHEETS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR
CONSTRUCTION IS REQUIRED.

APPLICABLE CODES:

2022 BUILDING ADMINISTRATIVE CODE PART (CAC), PART 1, TITLE 24 C.C.R
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, CBSC, TITLE 24 C.C.R
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R
2022 CALIFORNIA GREEN BUILDING CODE, PART 11, TITLE 24 C.C.R
TITLE 19 C.C.R., PUBLIC SAFETY, SFM REGULATIONS
2022 CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 C.C.R

LIST OF FEDERAL CODES AND STANDARDS

AMERICANS WITH DISABILITIES ACT (ADA), 2010 ADA ACCESSIBILITY STANDARDS & ADA ACCESSIBILITY GUIDELINE (ADAAG)

STRUCTURAL DESIGN CODES

CALIFORNIA BUILDING CODE 2022 PART 1 & 2

LOADS	ASCE 7-16
CONCRETE	ACI 318-19
STRUCTURAL STEEL	AISC 360-16
LIGHT GAUGE STEEL	AISC S100-16 (2020) W/S2-20 NORTH AMERICAN SPECIFICATION
WOOD	NATIONAL DESIGN SPECIFICATION 2018

DESIGN GROUP

ARCHITECT:
JACK SHIVELY
SPARC DESIGN GROUP
(951) 293-4526

STRUCTURAL ENGINEER:
RYAN OMER
ORION ENGINEERING
(858) 679-1974

DESIGN DATA:

WIND DESIGN DATA			
1. BASIC WIND SPEED, 3 SEC. GUST(MPH):			105 / Kzt = 1.0
2. WIND EXPOSURE:			"C"
3. APPLICABLE INTERNAL PRESSURE COEFFICIENT:			0
4. COMPONENTS AND CLADDING:			
a. q_3 = 20.4 b. Cf = 2.0 c. PRESSURE = 40.8 PSF ON RAILING			
EARTHQUAKE DESIGN DATA			
1. SEISMIC IMPORTANCE FACTOR:			1.50
2. MAPPED SPECTRAL RESPONSE:			
A. S_S = 2.85	F_a = 1.0	S_1 = 1.389	
SITE CLASS			A, B & D
SPECTRAL RESPONSE COEFFICIENTS:			
S_{DS} = 1.90	S_{D1} = 1.574		
B. S_S = 2.37	F_a = 1.2	S_1 = 1.389	
SITE CLASS			C or D DEFAULT
SPECTRAL RESPONSE COEFFICIENTS:			
S_{DS} = 1.896	S_{D1} = 1.296		
3. SEISMIC DESIGN CATEGORY:			D
4. BASIC SEISMIC-FORCE-RESISTING-SYSTEM:			CANTILEVERED COLUMN
5. DESIGN BASE SHEAR:			☐ 3,205 lb (5x7 LANDING - 11' RAMP) ☐ 5,013 lb (SWITCHBACK) ☐ 5,013 lb (LARGE LANDING)
6. SEISMIC RESPONSE COEFFICIENT, C_S:			1.68
7. RESPONSE MODIFICATION FACTOR, R:			1.25
8. ANALYSIS PROCEDURE USED:			EQUIVALENT LATERAL FORCE
9. MINIMUM SEISMIC SEPARATION FROM OTHER EXISTING OR FUTURE BUILDINGS			1.5" FROM BUILDING

RAMP / LANDING = 100 PSF / 300 LBS
HAND RAIL = 50 PSF / 200#
ALLOWABLE SOIL BEARING = 1,000 PSF

SNOW LOAD

GROUND SNOW LOAD	P_G = 20 PSF

NOT DESIGNED FOR FLOOD LOADS

GENERAL CONSTRUCTION NOTES:

1. NOTHING IN THE DRAWINGS ~~AND/OR THE SPECIFICATIONS~~ SHALL BE CONSTRUED TO PERMIT AN INSTALLATION THAT COULD BE IN VIOLATION OF THE APPLICABLE CODES, ORDINANCES, REGULATIONS, RESTRICTIONS, ETC.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSION IN THE FIELD AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE DRAWINGS SHALL CAUSE THE CONTRACTOR TO NOTIFY THE ARCHITECT PRIOR TO MAKING ANY CHANGES IN THE WORK.
3. THE DRAWINGS, IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED HEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT/OWNER AND NO PART THEREOF SHALL BE COPIED OR DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THESE DOCUMENTS HAVE BEEN PREPARED AND DEVELOPED WITHOUT WRITTEN CONSENT OF THE PRO-FAB CONSTRUCTION INC. VISUAL CONTACT WITH THESE DRAWINGS CONSTITUTES CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.
4. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND PRO-FAB CONSTRUCTION INC MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.
5. MISPLACEMENT, ADDITION, OR OMISSION OF ANY WORD, LETTER, FIGURE, PUNCTUATION MARK, ETC., SHALL IN NO WAY CHANGE OR ALTER THE TRUE INTENT, SPIRIT, OR MEANING OF THE DRAWINGS.
6. THE CONTRACTOR SHALL STUDY AND COMPARE ALL DRAWING SHEETS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR INCONSISTENCIES TO PRE-FAB CONSTRUCTION INC. BEFORE COMMENCING WORK IN THAT AREA.
7. ALL WORK SHALL CONFORM TO THE TITLE 24, 2022 CALIFORNIA CODE OF REGULATIONS (C.C.R.)
8. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART1, TITLE 24, CCR.
9. THIS IS A PROTOTYPE APPROVAL AND NOT FOR CONSTRUCTION, A SEPARATE APPLICATION MUST BE FILED WITH DSA FOR USE OF THIS "PC" FOR A SPECIFIC SITE OR STOCKPILE APPROVAL.
10. PROJECTS USING THESE RAMPS FOR ANY OCCUPANCY OTHER THAN THAT LISTED IN THE BUILDING DATA SHALL NOT BE SUBMITTED FOR OVER THE COUNTER REVIEW AND MUST BE SUBMITTED FOR A DSA REVIEW.
11. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION 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; CLASS 3.
12. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

MECHANICALLY ATTACH A METAL TAG ON ALL RAMPS @ +8'-0" WITH THE FOLLOWING INFORMATION INSCRIBED:

DSA APPLICATION NUMBER: 03-126270

MANUFACTURER'S NAME & SERIAL NUMBER:
AURORA - A#: 04-101817 / Sn: 27028-29
MSI - A#: 04-101403 - Sn: 2BB6326-27
MSI - A#: 04-105453 - Sn: 2AH10230-31

GENERAL STRUCTURAL NOTES:

1. THE CONSTRUCTION DRAWINGS ~~AND SPECIFICATIONS~~ REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES, INCLUDING BUT NOT LIMITED TO BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD RESPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER. WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
2. ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
3. SAFETY: CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE ARCHITECT/ENGINEER OR OWNER.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, THIRTEENTH EDITION, AND AISC 360-16.
2. STRUCTURAL SHAPES AND PLATES SHALL CONFORM TO THE FOLLOWING U.N.O.:

☒ STD.METAL FABRICATION ☐ OPT. GALVANIZED METAL FABRICATION

C/MC/M/S/HP SHAPES	ASTM A36
ANGLES AND PLATES	ASTM A36
TUBES	ASTM A1011
14 GA. & THINNER - GRADE 33	
12 GA. & THICKER - GRADE 50	

3. ERECTION AND SHOP DETAIL DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION AND ERECTION. SUBMIT TWO SETS FOR REVIEW.
4. MACHINE BOLTS CONFORMING TO ASTM A307 SHALL BE USED ONLY WHERE NOTED; NUTS SHALL CONFORM TO ASTM A563.
5. ALL WELDING SHALL COMPLY WITH AWS D1.1 AND SHALL BE DONE BY WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED. WELDING OF REBAR SHALL CONFORM TO AWS D1.4.
6. ALL WELDING SHALL BE DONE WITH E7OXX ELECTRODES OR E7XT-X WIRE CONFORMING TO CHARPY NOTCH TOUGHNESS RATING 40 ft-lbs @ 70 DEGREES FAHRENHEIT AND 20 ft-lbs @ 0 DEGREES FAHRENHEIT.

WOOD FOUNDATION PLATES:

1. FOUNDATION SILL PLATE: DOUGLAS FIR NO.1 GRADE, PRESSURE PRESERVATIVE TREATED.
2. LUMBER INDICATED ON THE DRAWINGS OR SPECIFIED HEREIN TO RECEIVE PRESSURE PRESERVATIVE TREATMENT SHALL BE TREATED TO PROVIDE A NET RETENTION OF 0.25 lbs. PER CUBIC FOOT WITH ONE OF THE WATERBORNE SALT TREATMENTS LISTED BELOW OR EQUAL:

   J.H. BAXTER AND CO. "CHEMONITE"
   KOPPERS CO. INC. "WOLMAN CCA"
   OSMOSE WOOD PRESERVING CO. "K-33"

3. AFTER TREATMENT, LUMBER AND PLYWOOD SHALL BE KILN DRIED TO A MOISTURE CONTENT OF 19 PERCENT LESS.

GENERAL RAMP NOTES:

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" MIN.- 38" MAX. ABOVE WALKING SURFACE.
3. SURFACE: LANDING & RAMP TO HAVE NON SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR.
4. GROUNDING: PROVIDE GROUNDING OF RAMP TO BUILDING FRAME WITH #8 CU TO BOTH GROUND LUGS.
5. ARCHITECT SITE / RAMP / LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26" THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY PRO-FAB CONSTRUCTION INC. IS 11'-0" AT A SLOPE OF 1:12, THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS PRO-FAB CONSTRUCTION INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET R1.0.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

SPARC DESIGN
3826 TANZANTIE CT. PERRIS, CA 92570
WWW.SPARCDESIGNGROUP.COM | 951.293.4526

JACK F. SHIVELY
NO. C-33467
REN: 01/31/2025

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~~APPROVED~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 04-123389 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☐~~
~~DATE: 05/22/2024~~

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

PROJECT INFORMATION:
Pre-Check (PC)
Metal Ramp and Landing
PRO-FAB CONSTRUCTION INC.
17907 Taylor Avenue, Bloomington, CA 92316
Ph. (909) 873-9974

DESCRIPTION:
DATE:
REV #:

SHEET TITLE
TITLE SHEET

SHEET #
T-1

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 04-123389
DSA File Number: PC-101
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets 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 (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test – Indicates that a test is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123389
DSA File Number: [redacted]
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☐	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
☐	e. Buckling restrained braces.	Test	LOR	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Periodic	SI	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☐	b. Test high-strength bolts, nuts and washers.	Test	LOR	Table 1705A.2.1 Item 1c, 2213A.1; RCSC 2014 Section 7.2; DSA IR 17-8.
☐	c. Bearing-type ("snug tight") connections.	Periodic	SI	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☐	d. Pretensioned and slip-critical connections.	*	SI	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *"Continuous" or "Periodic" depends on the tightening method used.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123389
DSA File Number: [redacted]
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☒	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123389
DSA File Number: [redacted]
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123389
DSA File Number: [redacted]
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Ultrasonic	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	b. Magnetic Particle	Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123389
DSA File Number: [redacted]
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	Periodic	SI	1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.
☐	b. Test density.	Test	LOR	1705A.15.1, 1705A.15.5, ASTM E736
☐	c. Bond strength adhesion/cohesion.	Test	LOR	1705A.15.1, 1705A.15.4, ASTM E605

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☐	b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Periodic	SI	Table 1705A.13.7
☐	b. Fabricated storage rack elements.	Periodic	SI	1704A.2.5; Table 1705A.13.7

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (STEEL AND ALUMNINUM), 2022 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-20; RCSC 2014; AWS D1.1, AWS D1.2, AWS D1.3, AWS D1.4, AWS D1.8

Application Number: 04-123389
DSA File Number: [redacted]
School Name: PC Pro Fab Construction Inc
Increment Number:
School District: NA
Date Created: 2023-05-27 15:03:43

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	c. Storage rack anchorage installation.	Periodic	SI	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	d. Completed storage rack system to indicate compliance with the approved construction documents.	Periodic	SI*	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	a.			

SAMPLE DSA 103-22

NOTE:
REFER TO DSA-103 FORM FOR ALL STRUCTURAL TESTING & SPECIAL INSPECTION REQUIREMENTS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, AND DSA-103 FORM, THE MORE STRINGENT REQUIREMENT SHALL APPLY."

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

SPARC DESIGN
3826 TANZANTIE CT. PERRIS, CA 92570 | 951.293.4526
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JACK F. SHIVELY
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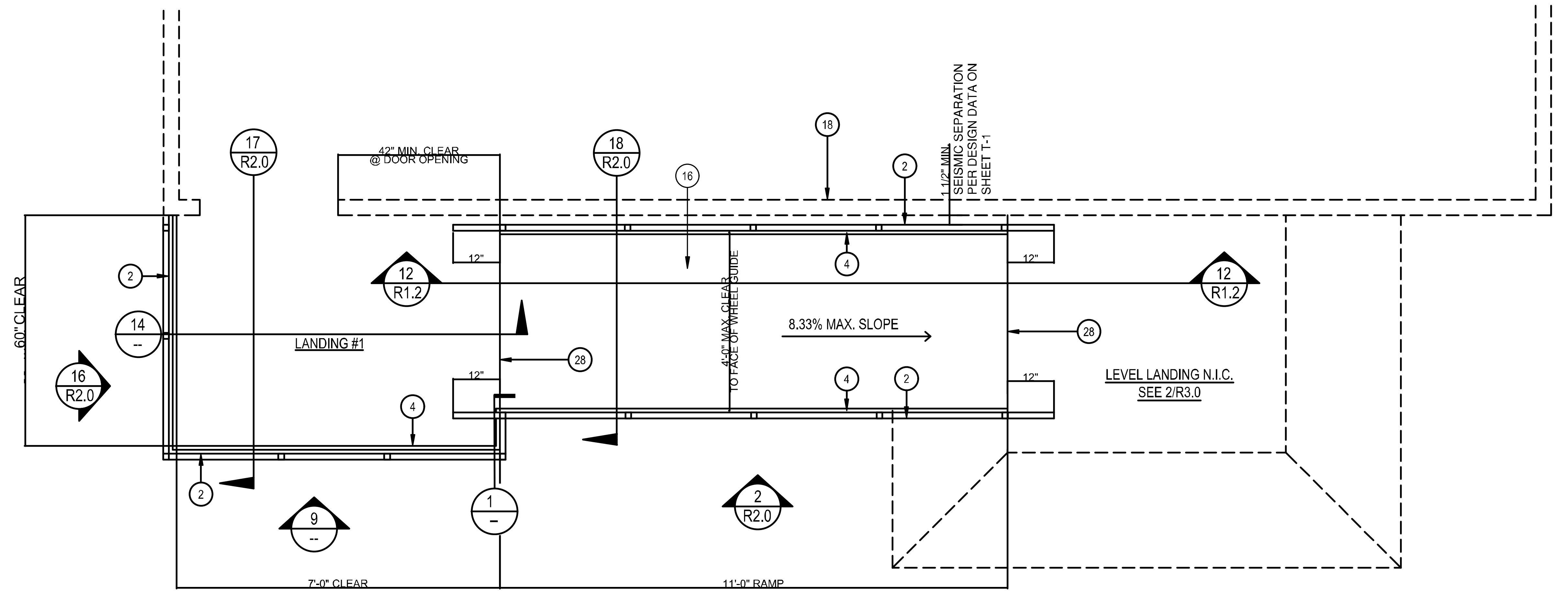
PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

PROJECT INFORMATION:
Pre-Check (PC)
Metal Ramp
and
Landing
PRO FAB CONSTRUCTION INC
17907 Taylor Avenue, Bloomington, CA 92316
Ph. (909) 873-9974

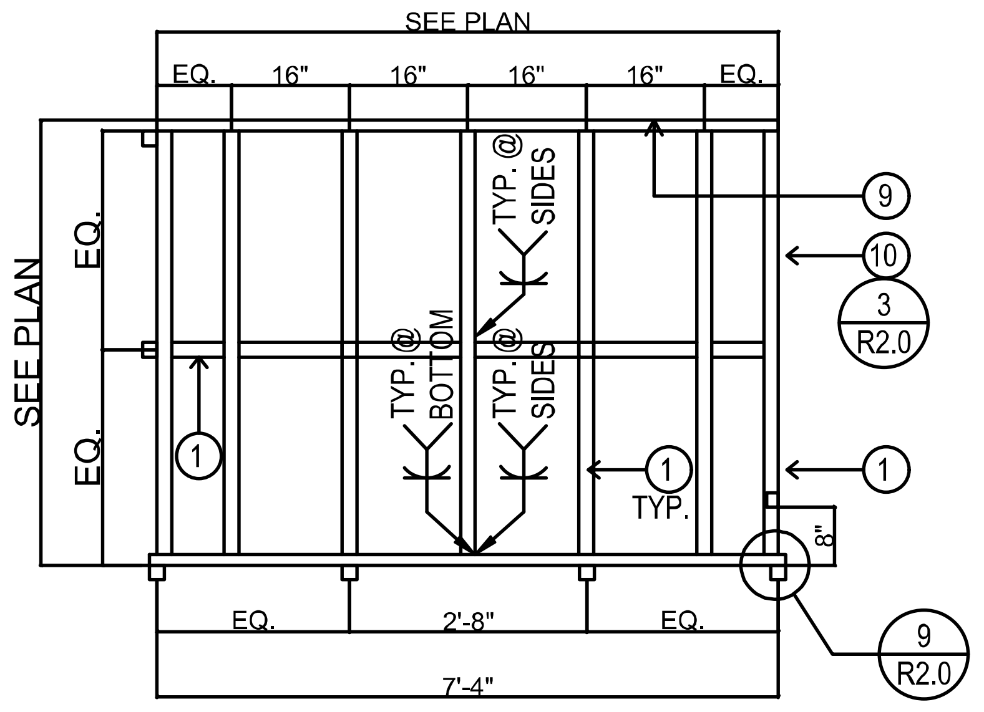
DESCRIPTION: -
DATE: -
REV #: ◁ ◁ ◁ ◁ ◁ ◁ ◁

SHEET TITLE
DSA 103
SPECIAL INSPECTIONS

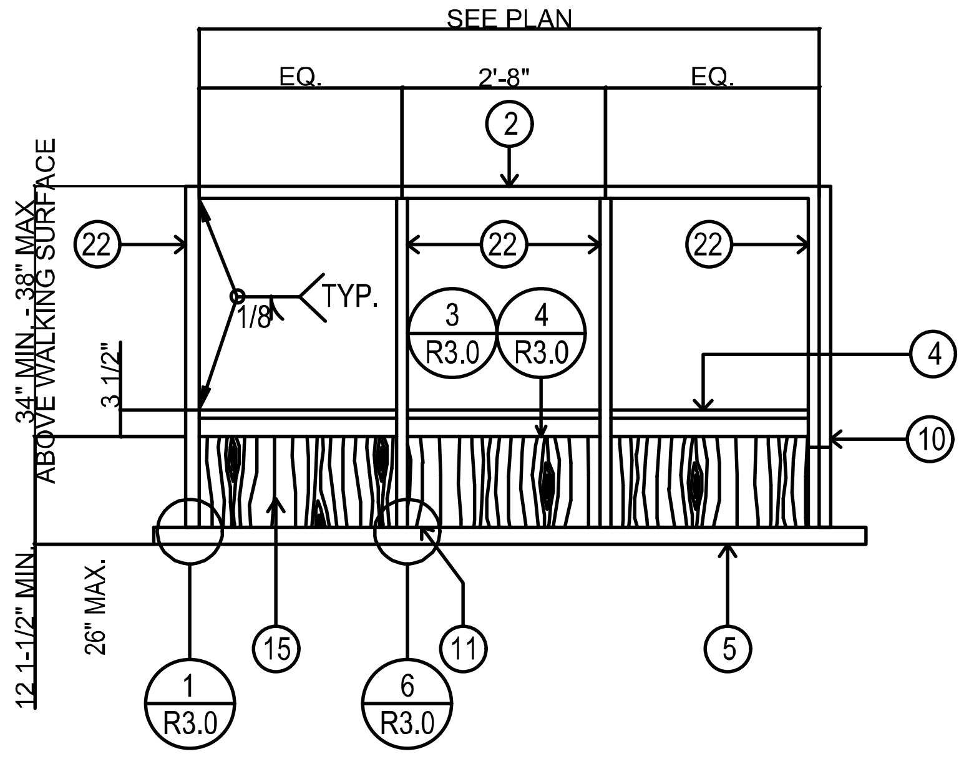
SHEET #:
G-1


60" CLEAR
17 R2.0
42" MIN. CLEAR @ DOOR OPENING
18 R2.0
16
18
2
1 1/2" MIN. SEISMIC SEPARATION PER DESIGN DATA ON SHEET T-1
2
12 R1.2
12"
4
12 R1.2
14 --
LANDING #1
28
4'-0" MAX CLEAR TO FACE OF WHEEL GUIDE
8.33% MAX. SLOPE
28
16 R2.0
12"
4
4
2
12"
LEVEL LANDING N.I.C. SEE 2/R3.0
4
2
9 --
1 –
2 R2.0
7'-0" CLEAR
11'-0" RAMP

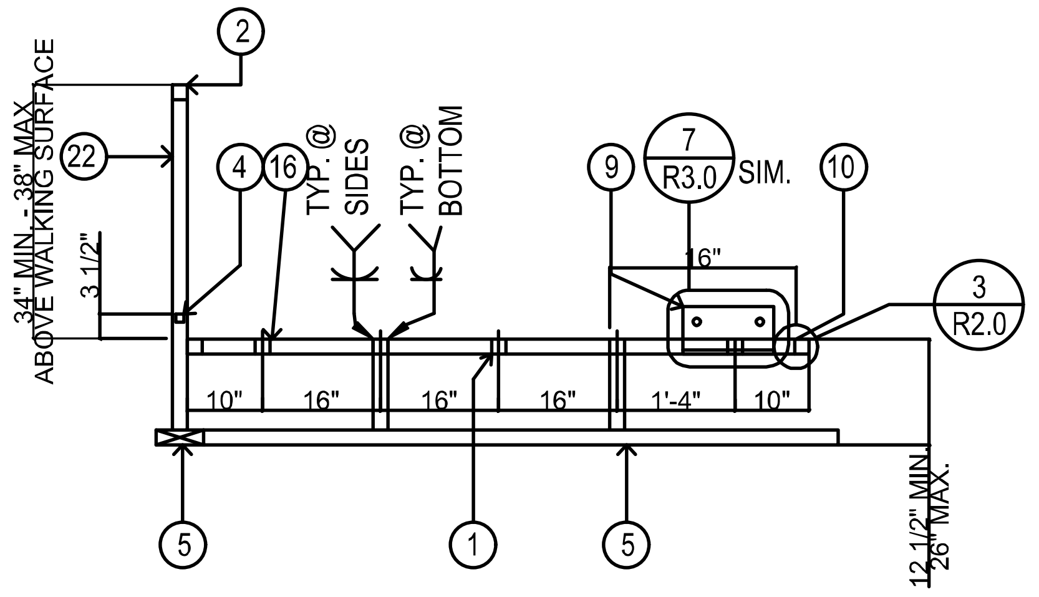
METAL RAMP AND LANDING LAYOUT @ BUILDING | 1/2" | 8



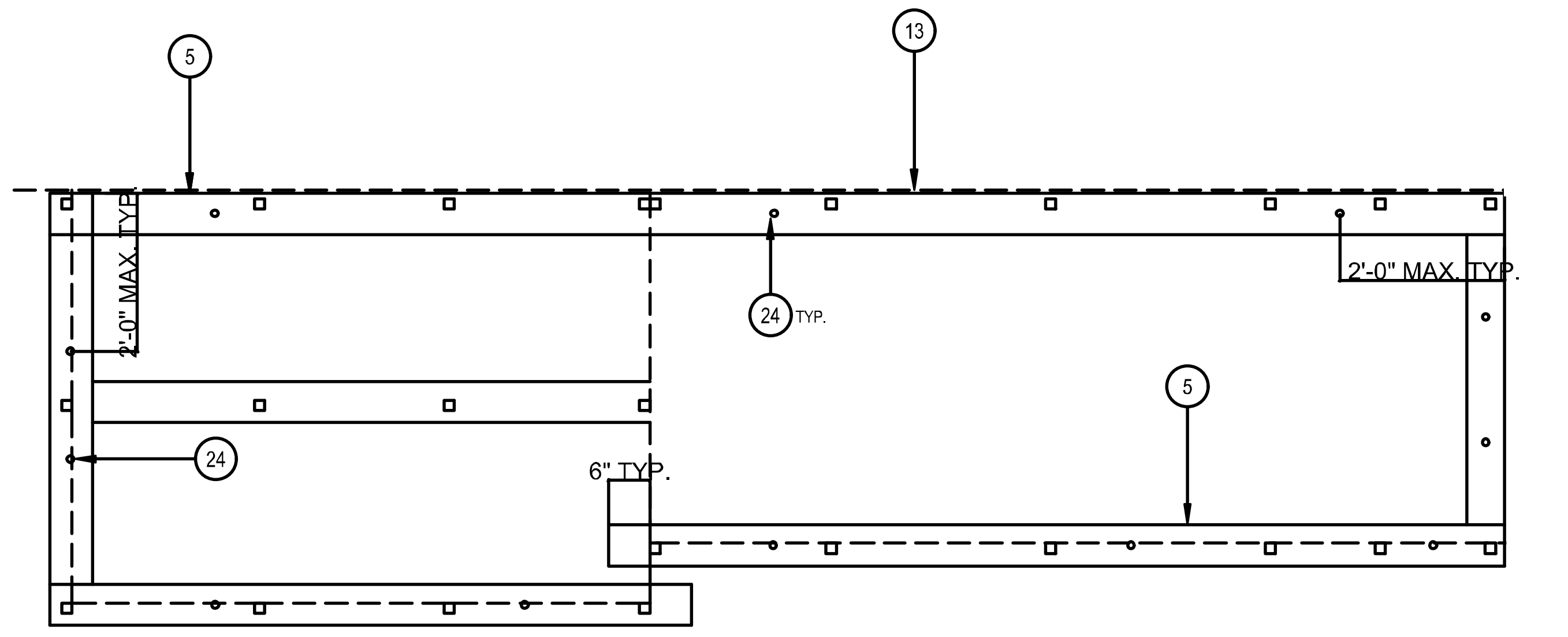
LANDING FRAME #1 | 1/2" | 4



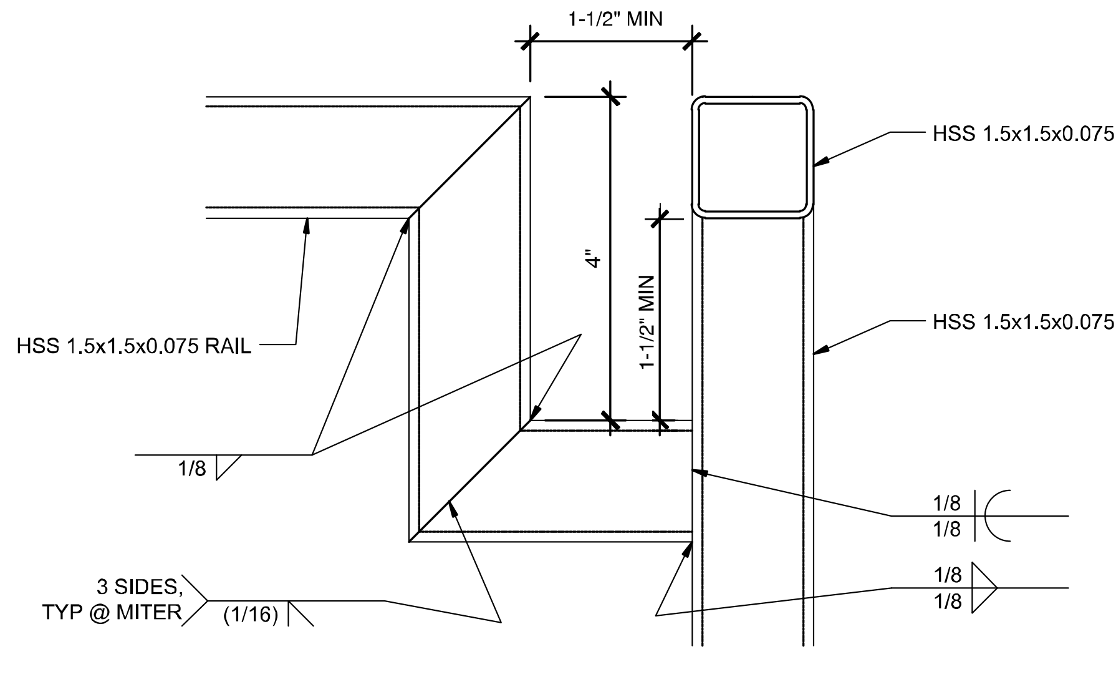
LANDING ELEVATION | 1/2" | 9



LONG. SECT @ LANDING | 1/2" | 14

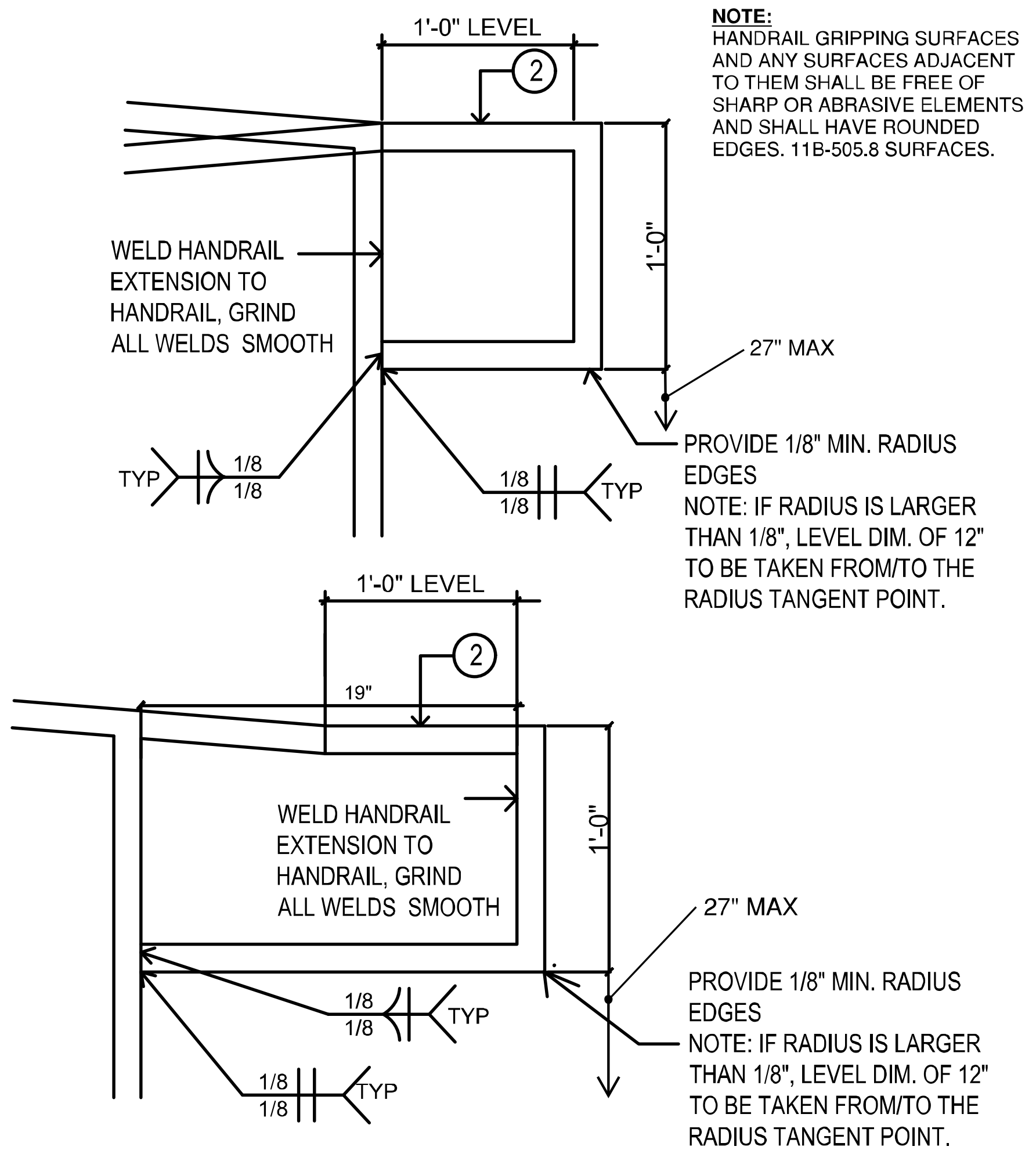


SILL PLAN FOR RAMP AND LANDING | 1/2" | 16



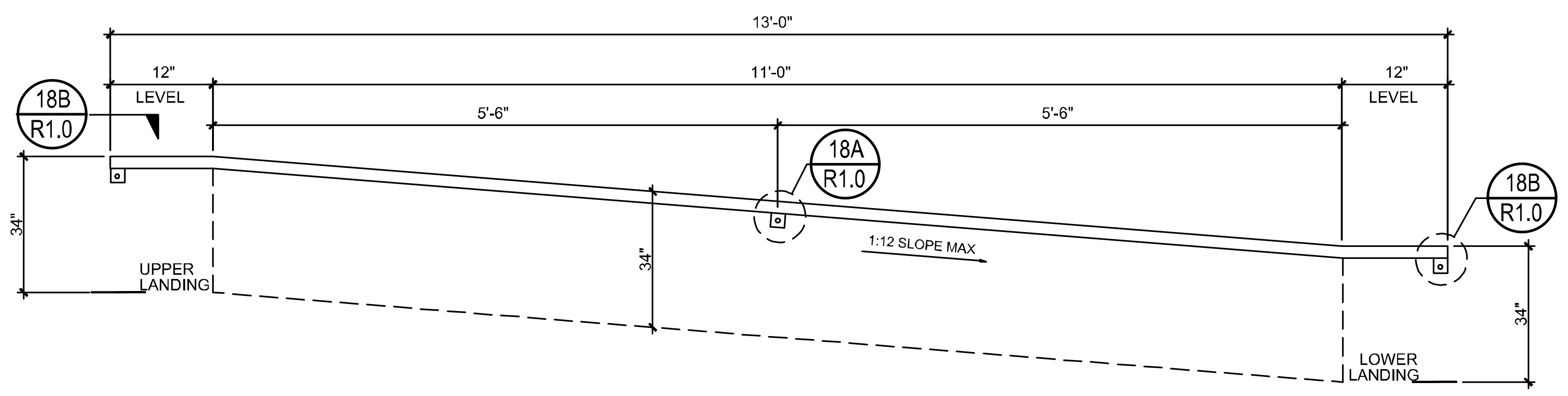
NOTE:
11B-505.6 GRIPPING SURFACE. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES.

RAIL NOTCH DETAIL | 1

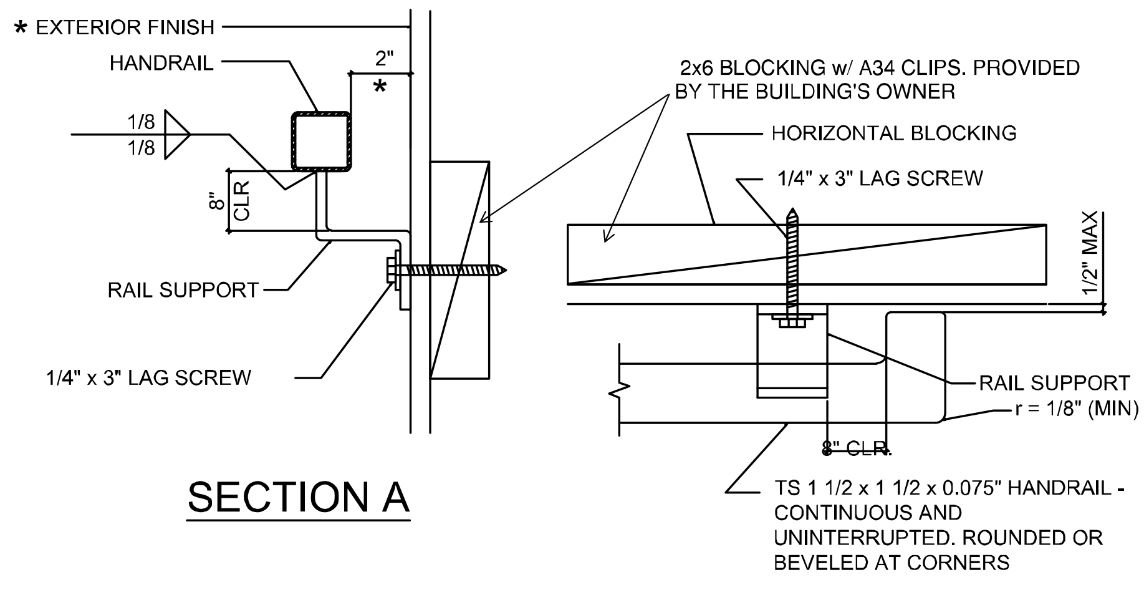

1'-0" LEVEL
2
WELD HANDRAIL EXTENSION TO HANDRAIL, GRIND ALL WELDS SMOOTH
1'-0"
27" MAX
TYP
1/8
1/8
1/8
1/8
TYP
PROVIDE 1/8" MIN. RADIUS EDGES
NOTE: IF RADIUS IS LARGER THAN 1/8", LEVEL DIM. OF 12" TO BE TAKEN FROM/TO THE RADIUS TANGENT POINT.
1'-0" LEVEL
2
19"
WELD HANDRAIL EXTENSION TO HANDRAIL, GRIND ALL WELDS SMOOTH
1'-0"
27" MAX
1/8
1/8
TYP
1/8
1/8
TYP
PROVIDE 1/8" MIN. RADIUS EDGES
NOTE: IF RADIUS IS LARGER THAN 1/8", LEVEL DIM. OF 12" TO BE TAKEN FROM/TO THE RADIUS TANGENT POINT.

NOTE:
HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES. 11B-505.8 SURFACES.

GUARD RAIL EXTENSION | 1-1/2" | 19



OPTIONAL HANDRAIL @ BUILDING | 3/4" | 17


* EXTERIOR FINISH
HANDRAIL
2"
*
1/8
1/8
8" CLR
RAIL SUPPORT
1/4" x 3" LAG SCREW
SECTION A
2x6 BLOCKING w/ A34 CLIPS. PROVIDED BY THE BUILDING'S OWNER
HORIZONTAL BLOCKING
1/4" x 3" LAG SCREW
1/2" MAX
RAIL SUPPORT r = 1/8" (MIN)
8" CLR.
TS 1 1/2 x 1 1/2 x 0.075" HANDRAIL - CONTINUOUS AND UNINTERRUPTED. ROUNDED OR BEVELED AT CORNERS
SECTION B

NOTE (*)
1. PROVIDE SMOOTH SURFACES WITH NO SHARP CORNERS, PER CBC 11B-505.8
WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

HANDRAIL CONNECTION | 3" | 18

○ KEY NOTES

① TS 2" X 2" X16 ga (SPACING AS NOTED ON PLAN)
② TS 1-1/2" X 1-1/2" X 12 ga.
③ TS 1-1/2" X 1-1/2" X 12 ga.
④ TS 1-1/2" X 1-1/2" X 16 ga. WHEEL CHAIR GUIDE
⑤ 2 X 6 PT SILL PLATE.
⑥ 2 X 2 NAILER WITH 16d @ 12" O.C.
⑦ NOT USED
⑧ 6" X 10ga. CONTINUOUS PLATE WITH 1/4" X 2" TEK SCREWS @ 9" O.C. INTO WOOD OR FOUNDATION BLOCKS OR #14 X 2" TEK SCREWS INTO STEEL @ 9" O.C. AS REQUIRED.
⑨ 6" X 12" X 10ga. PLATE WITH 2 - 1/4" X 3" LAGS TO STRUCTURAL FRAME OF BUILDING.
⑩ 3" X 1" X 3'-0" X 10 ga. BENT PLATE.
⑪ 2-1/2" X 4-3/4" X 1/4" BASE PLATE WITH 2 - 3/8" X 1" LAGS (TO BE GALV. WHEN IN PT WOOD)
⑫ 6" X 10" X 12ga. BASE PLATE @ RAMPT TOE.
⑬ LINE OF RAMP/LANDING ABOVE.
⑭ LOWER LANDING BY DISTRICT.
⑮ SKIRTING: PLYWOOD TO MATCH BUILDDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d @ 6" O.C. EDGES AND 12" O.C. FIELD. AT EDGE CONNECTION TO TS, USE #14 X 2" TEK SCREWS @ 6" O.C.
⑯ 12ga. METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR.
⑰ RAMP LANDING BY OTHER. 2/R3.0
⑱ EXISTING BUILDING.
⑲ CAULKING.
⑩ 26ga. FLASHING.
㉑ RAMP AND LANDING OPTION
㉒ TS 1-1/2" X 1-1/2" X 12ga. @ 4'-0" O.C. MAX.
㉓ 3/8" DIA. X 2" LONG MB WITH NUT & WASHERS
㉔ 1" DIA. HOT DIPPED GALVANIZED STD. PIPE ANCHOR @ 10'-0" MAX. O.C. AND 2'-0" MAX. FROM END OF SILL PLATE, TYP.
㉕ NOT USED.
㉖ NOT USED.
㉗ NOT USED.
㉘ FLUSH TRANSITION. 11/R3.0

APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-126270 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

SPARC DESIGN
3826 TANZANTIE CT. PERRIS, CA 92570
WWW.SPARCDESIGNGROUP.COM | 951.293.4526

LICENSED ARCHITECT
JACK F. SHIVELY
NO. C-33467
REN: 01/31/2025
STATE OF CALIFORNIA
J Shively

MODULAR STAMP

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~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☐~~
~~DATE: 05/22/2024~~

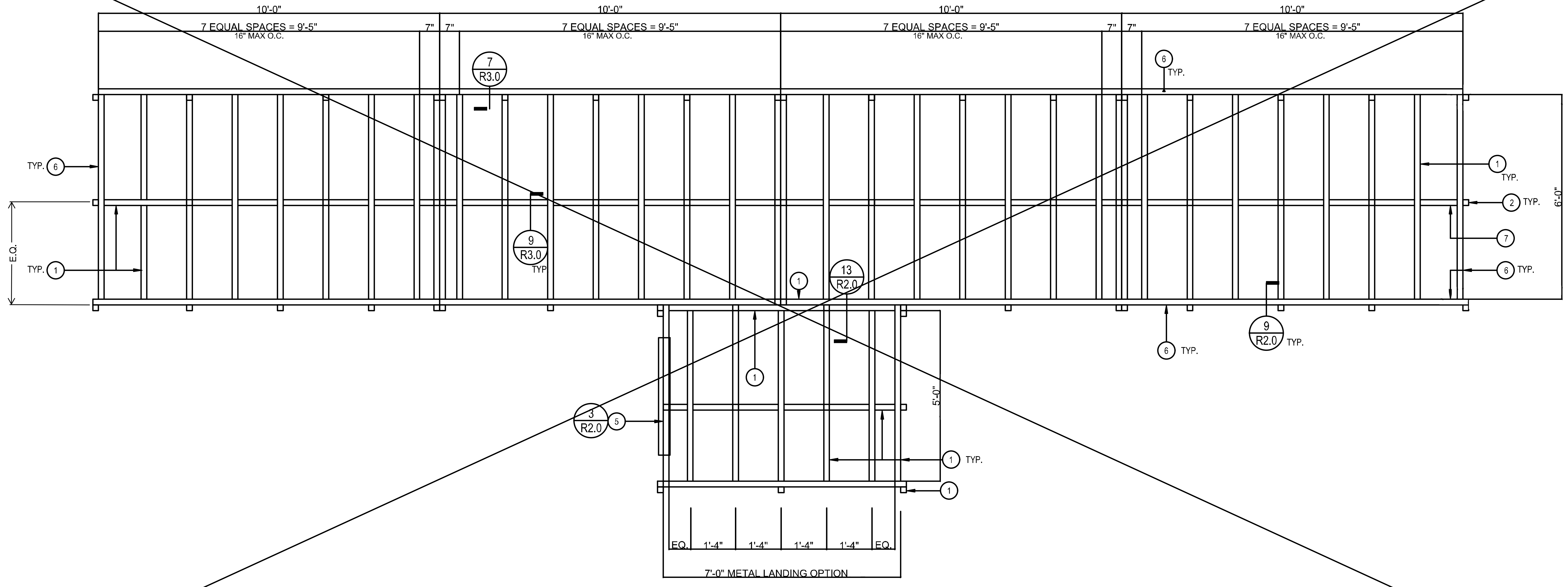
PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

PROJECT INFORMATION:
Pre-Check (PC) Metal Ramp and Landing
PRO-FAB CONSTRUCTION INC
17907 Taylor Avenue, Bloomington, CA 92316
Ph. (909) 873-9974

REV #:	DATE:	DESCRIPTION:
△	-	-
△		
△		
△		
△		
△		
△		

SHEET TITLE
METAL RAMP AND LANDING
PLANS AND DETAILS

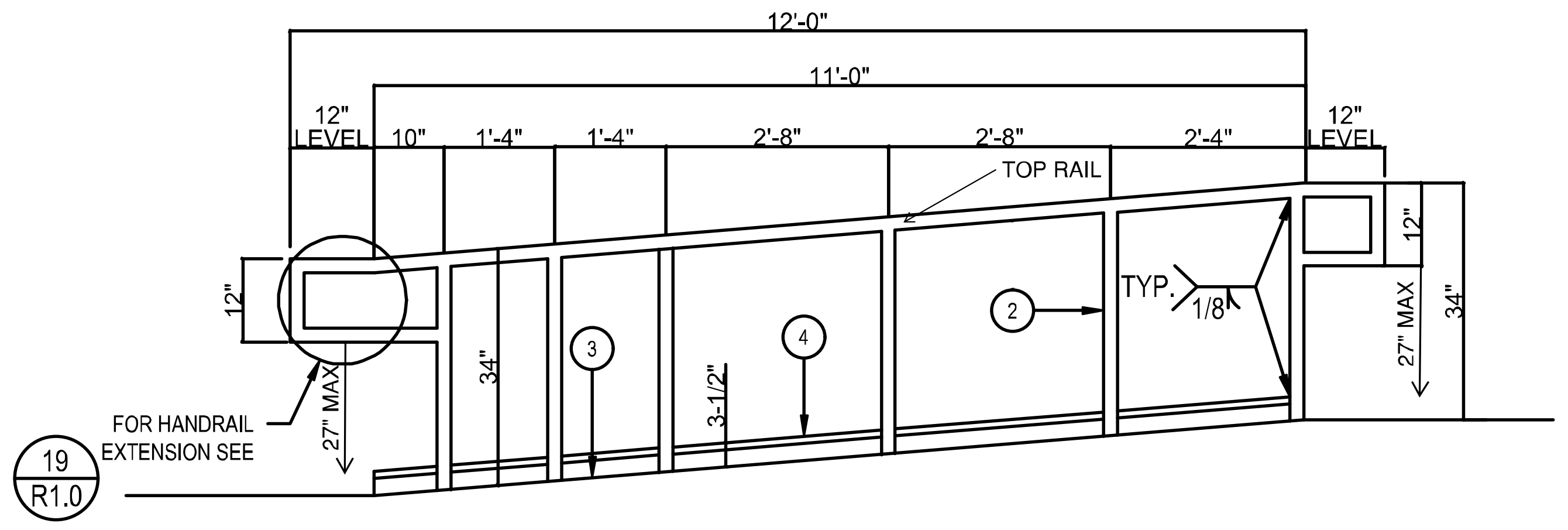
SHEET #: R-1.0



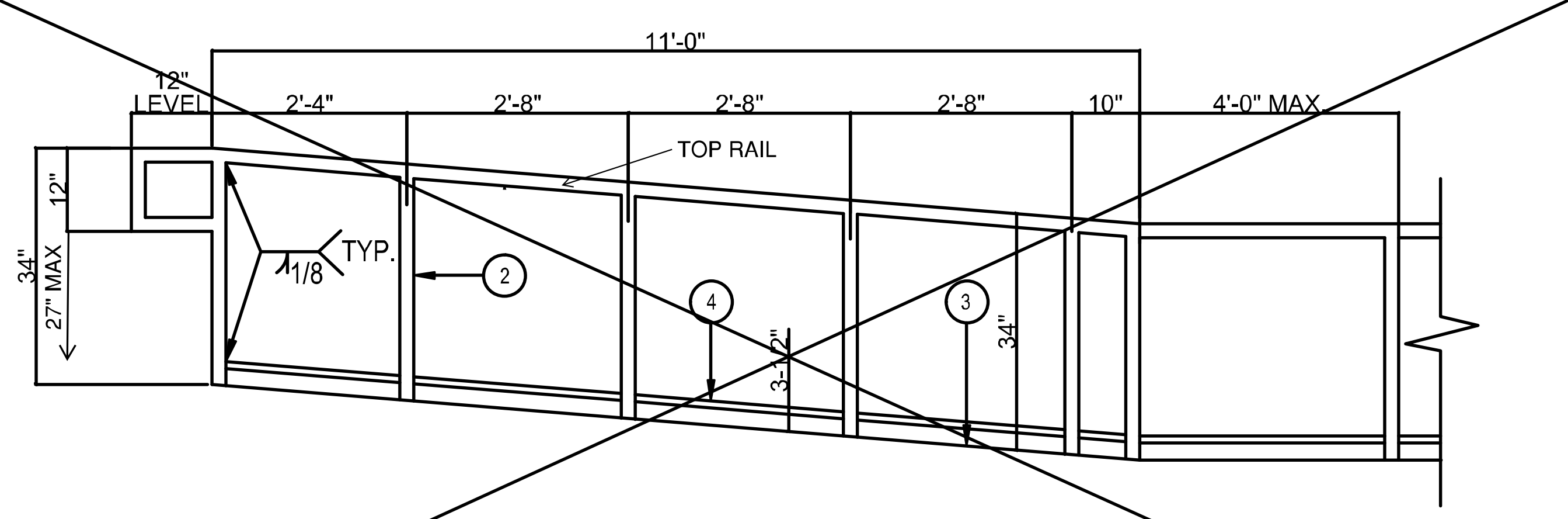
METAL LANDING DECK FRAMING PLAN | 1/2" | 9

KEY NOTES

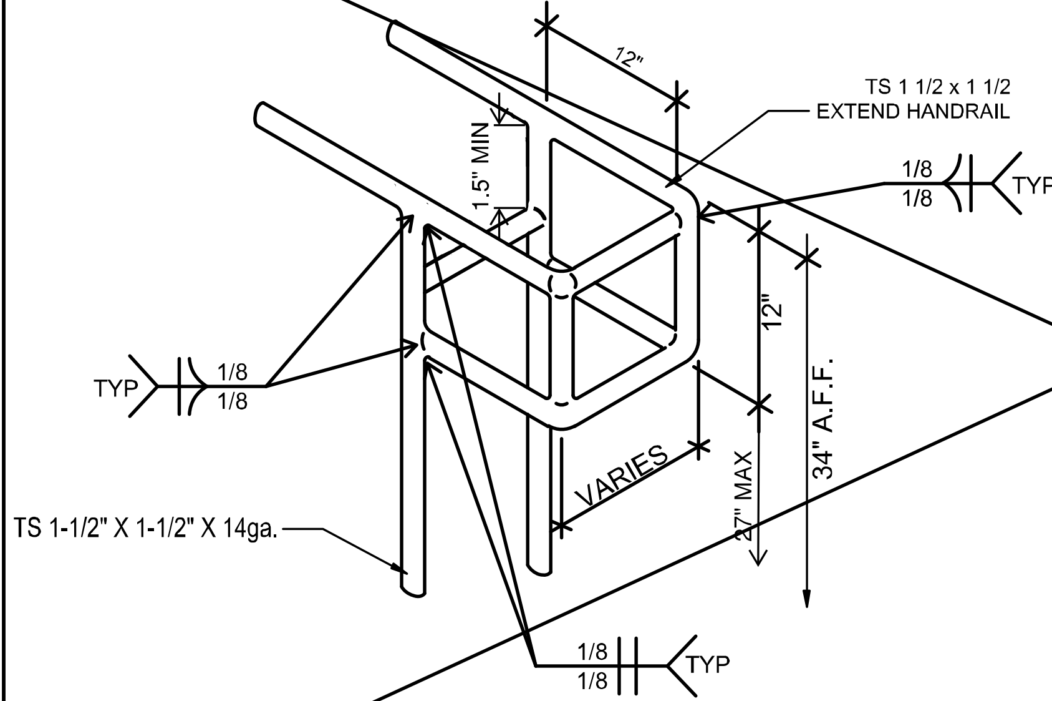
1. TS 2" X 2" X16 ga (SPACING AS NOTED ON PLAN)
2. TS 1-1/2" X 1-1/2" X 12 GA. POST
3. 12GA. METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR. 2/R3.0
4. TS 1-1/2" X 1-1/2" X 12 ga. WHEEL CHAIR GUIDE
5. 3" X 1" X 3'-0" X 10 ga. BENT PLATE.
6. TS 2" X 2" X 16 ga PERIMETER FRAME
7. TS 2" X 2" X 16 ga MID SPAN MEMBER @ 36"



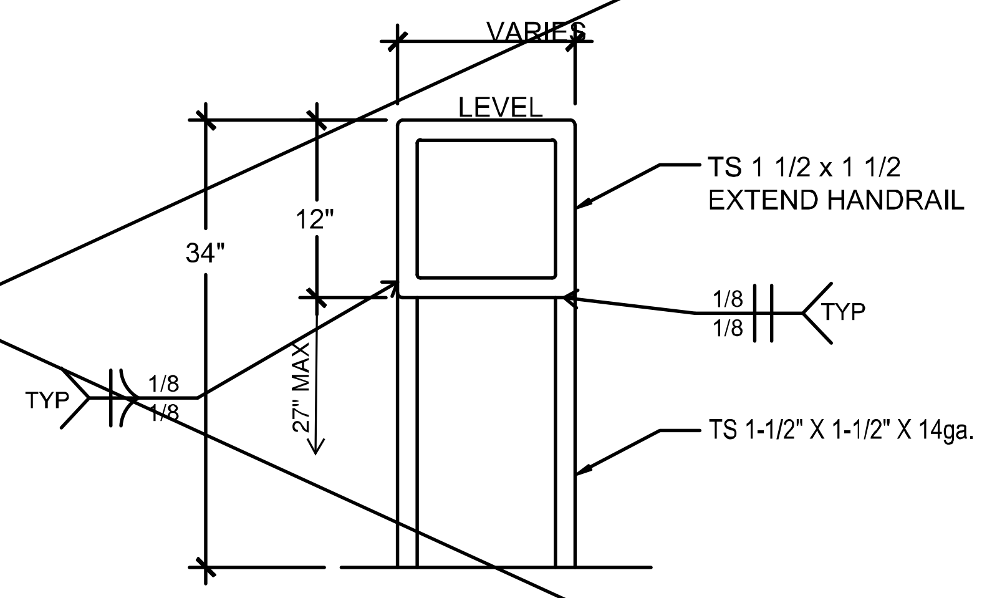
HANDRAIL ELEVATION | 1/2" | 12



HANDRAIL ELEVATION | 1/2" | 14



EXTENDED HANDRAIL | NTS | 16



EXT HANDRAIL ELEV. | NTS | 17

19

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JACK F. SHIVELY
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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

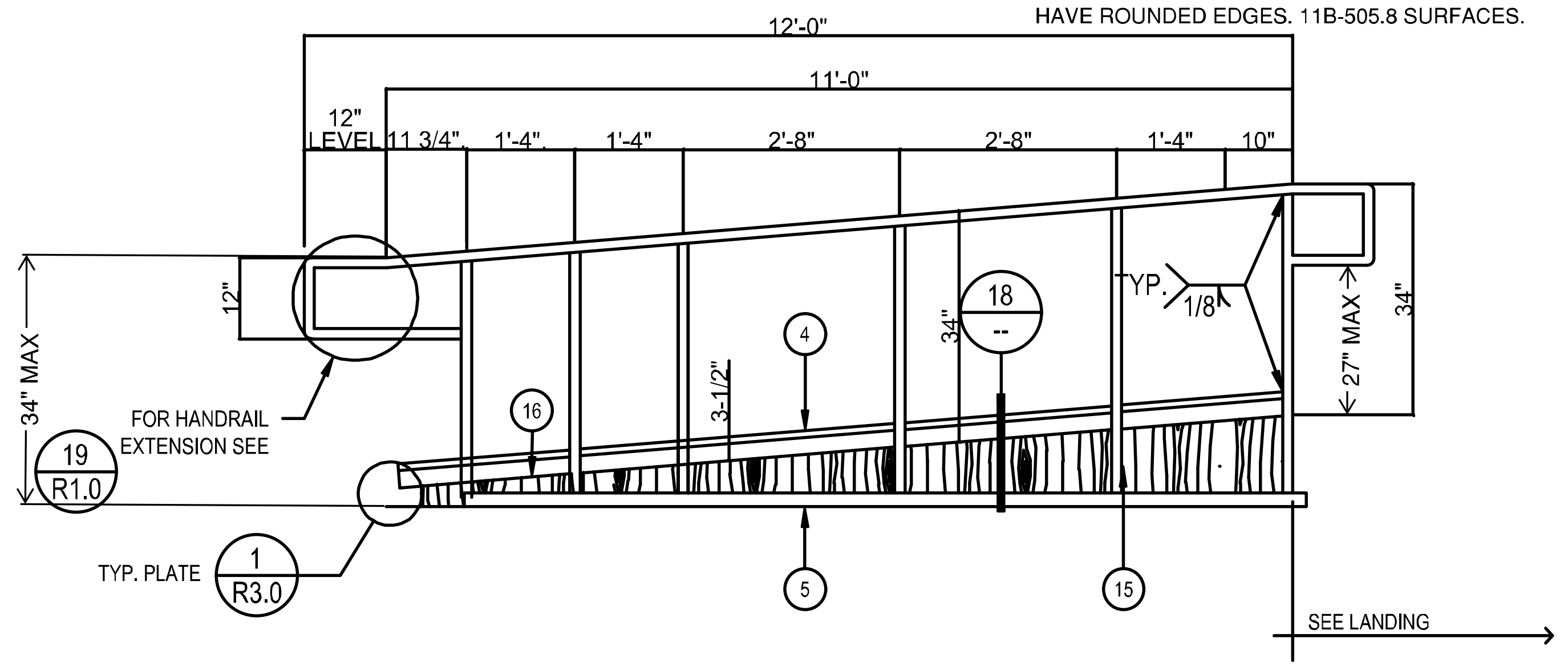
PROJECT INFORMATION:
Pre-Check (PC)
Metal Ramp
and
Landing
17907 Taylor Avenue, Bloomington, CA 92316
Ph. (909) 873-9974

REV #:	DATE:	DESCRIPTION:
-	-	-

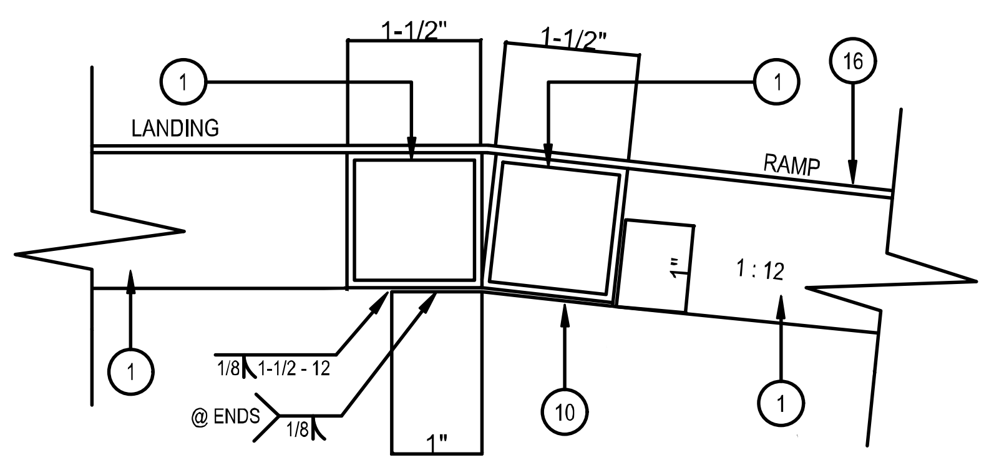
SHEET TITLE
METAL RAMP AND LANDING PLANS

SHEET #:
R1.2

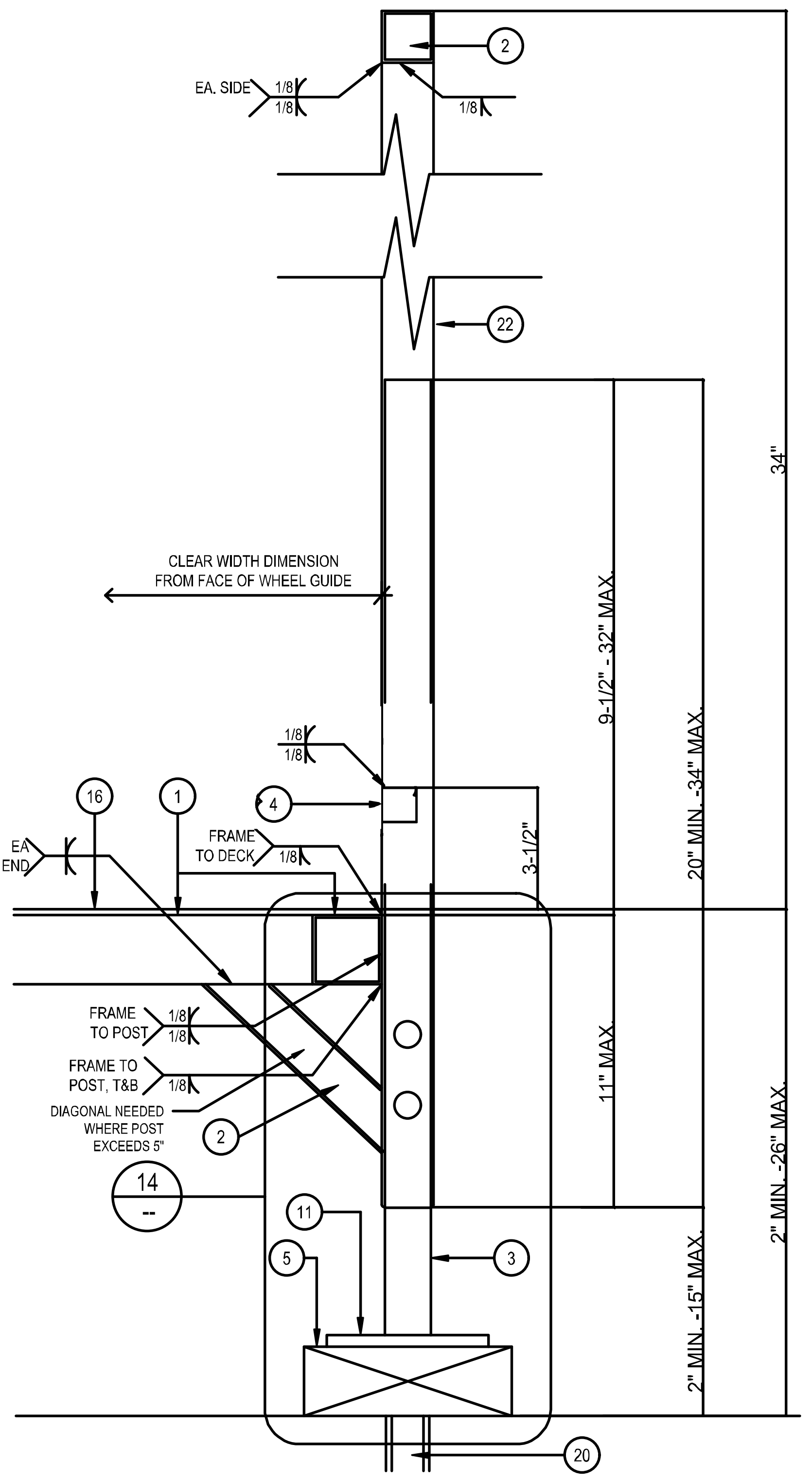
NOTE:
HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES. 11B-505.8 SURFACES.



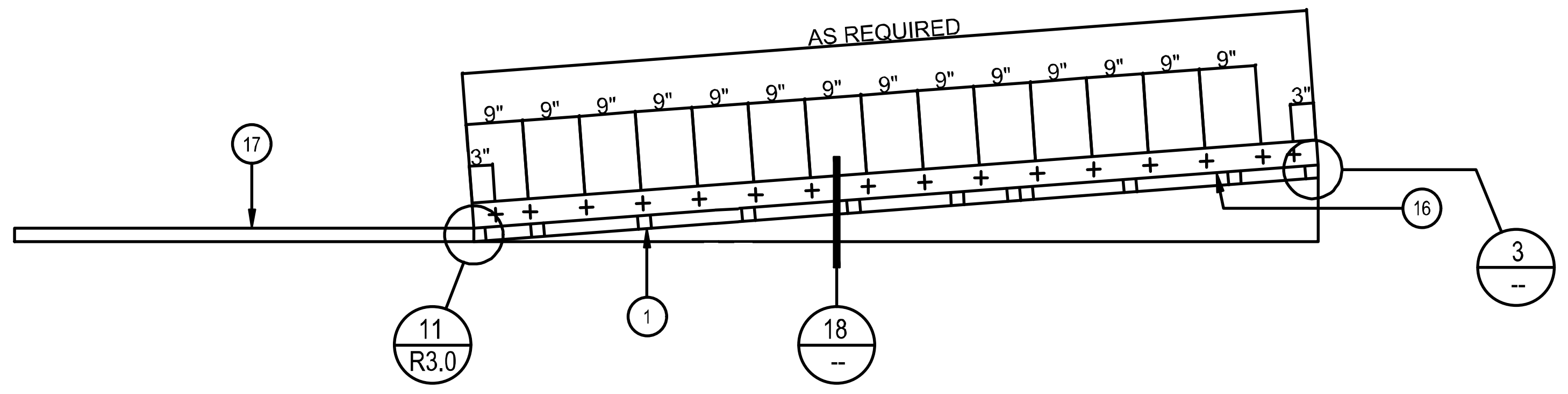
RAMP ELEVATION 1/2" 2



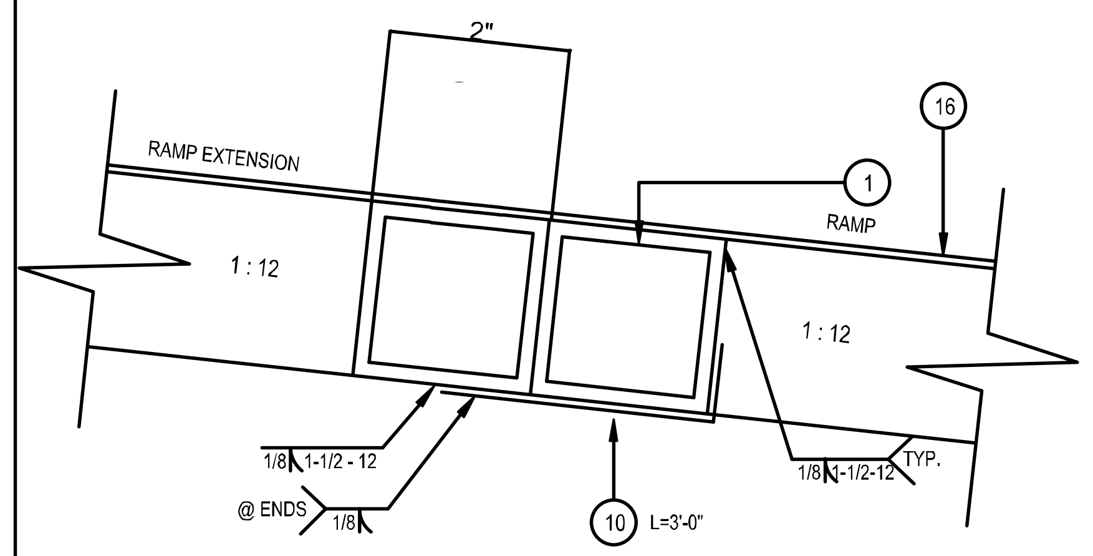
LANDING TO RAMP 6" 3



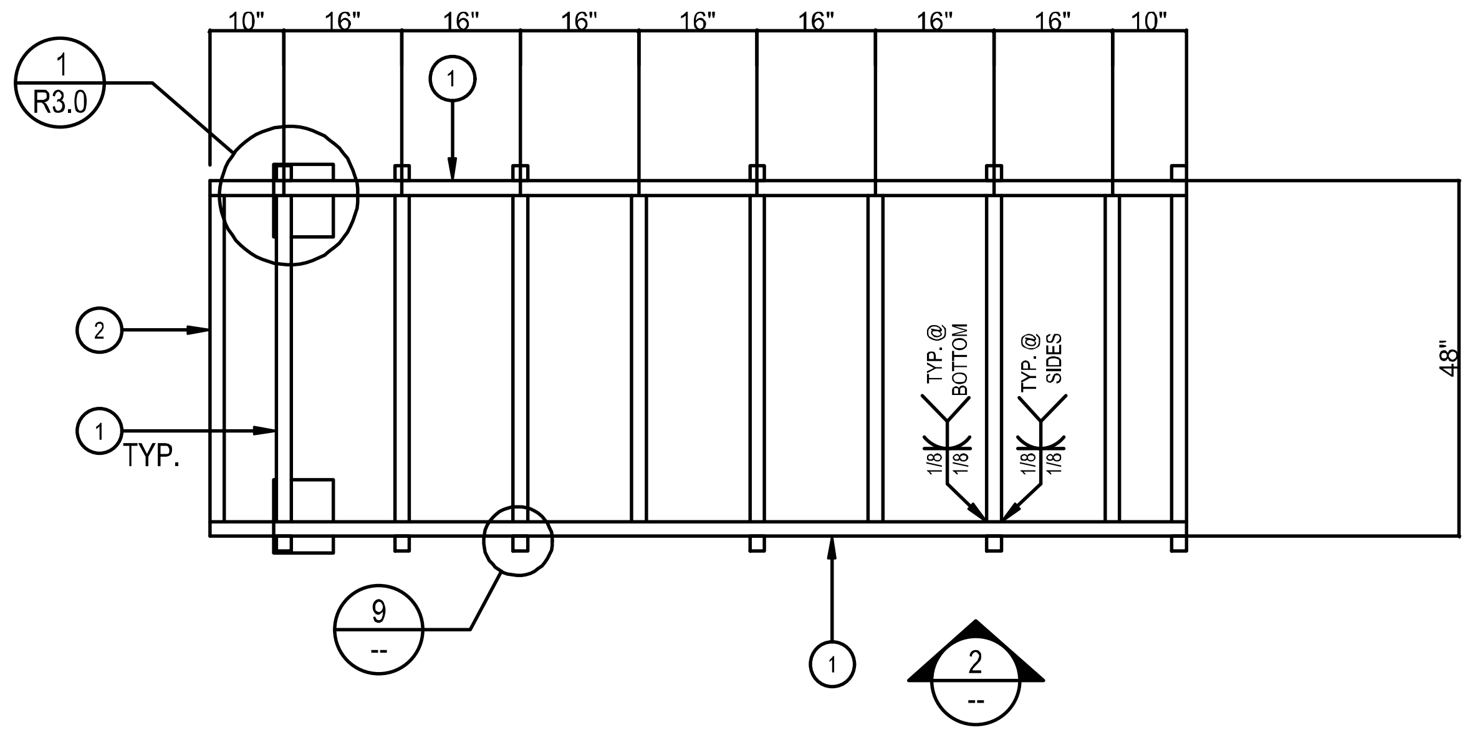
ADJUSTABLE LEG 3" 9



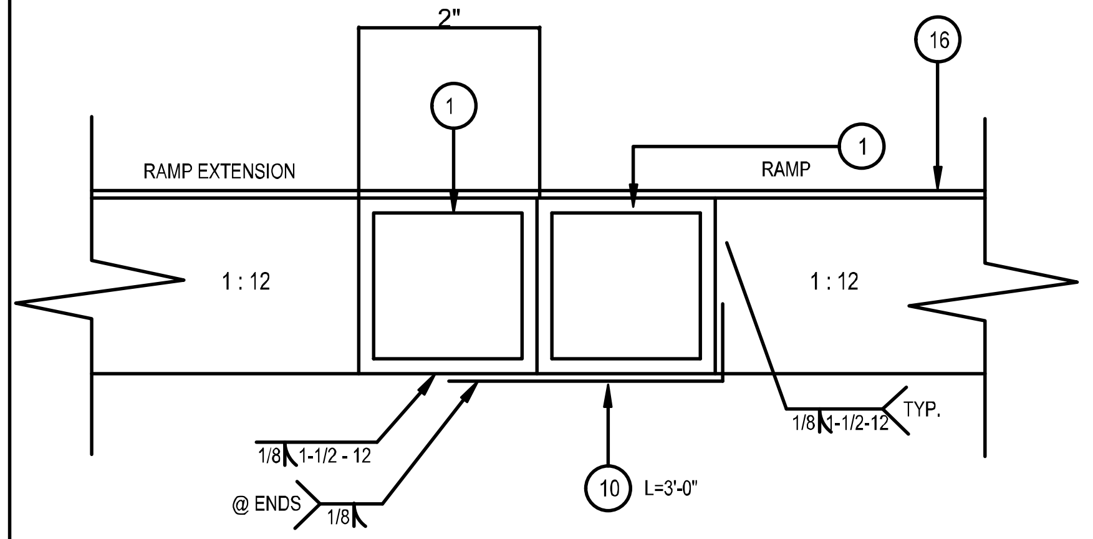
LONGITUDINAL SECTION @ RAMP 1/2" 7



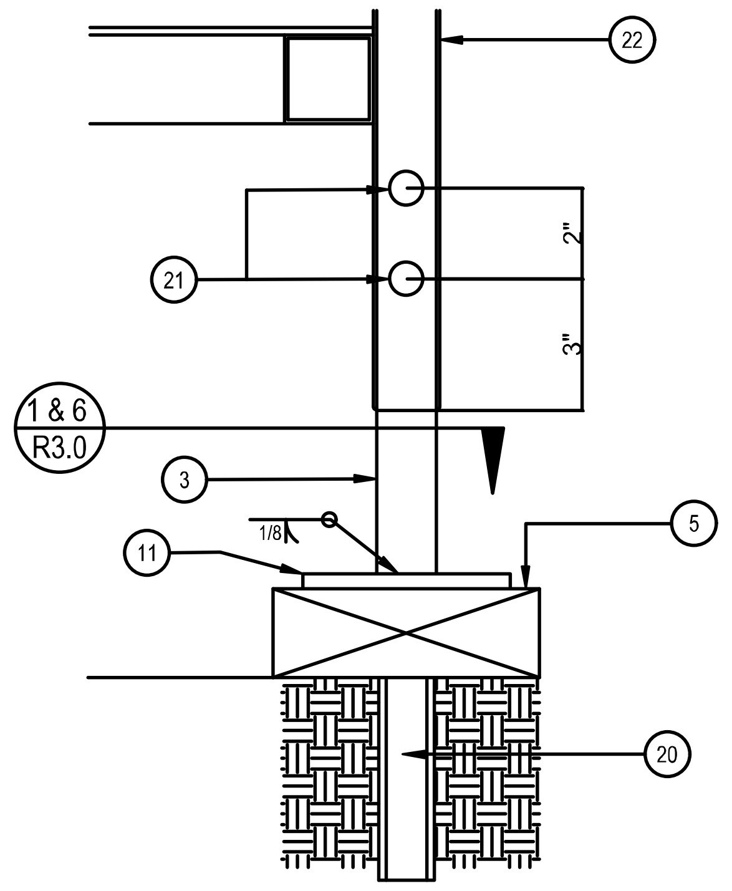
RAMP EXTENSION TO RAMP 6" 8



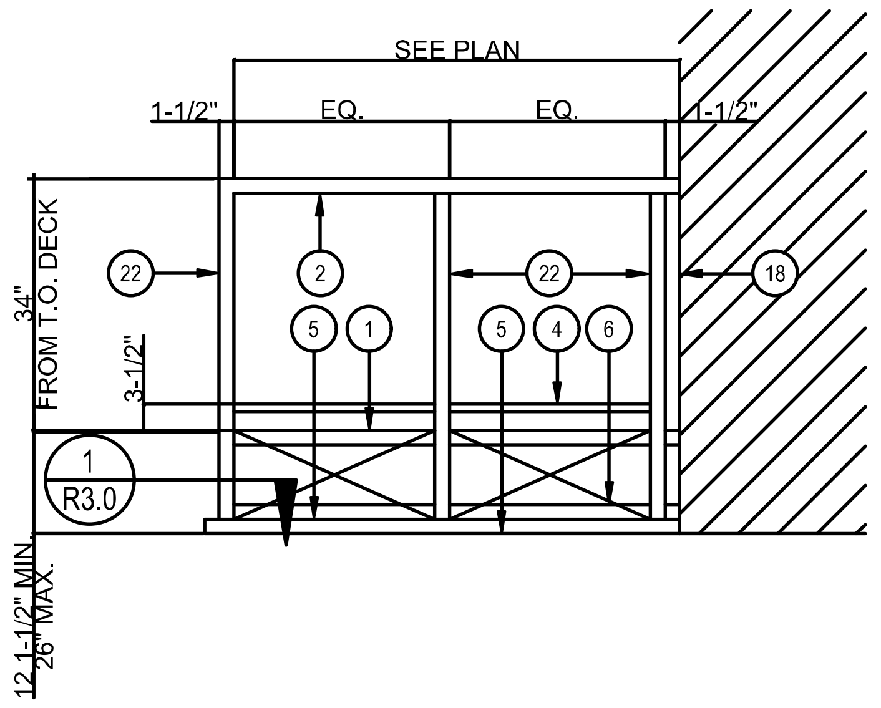
RAMP FRAME 1/2" 12



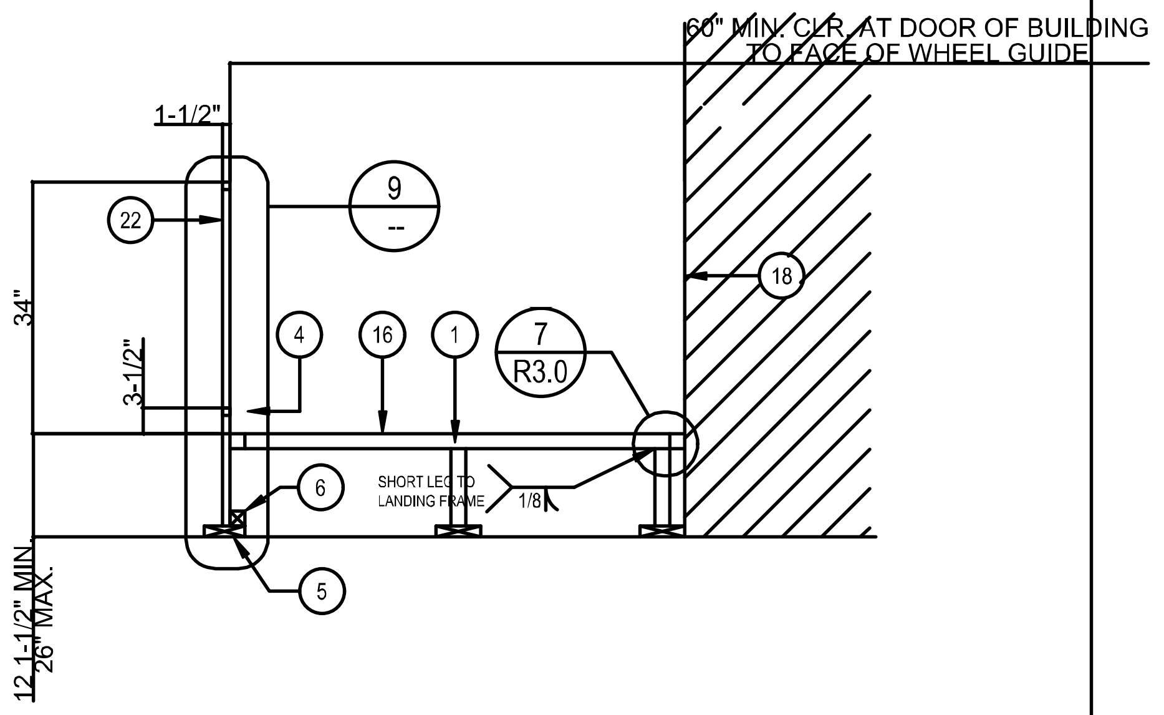
LANDING TO LANDING DECK 6" 13



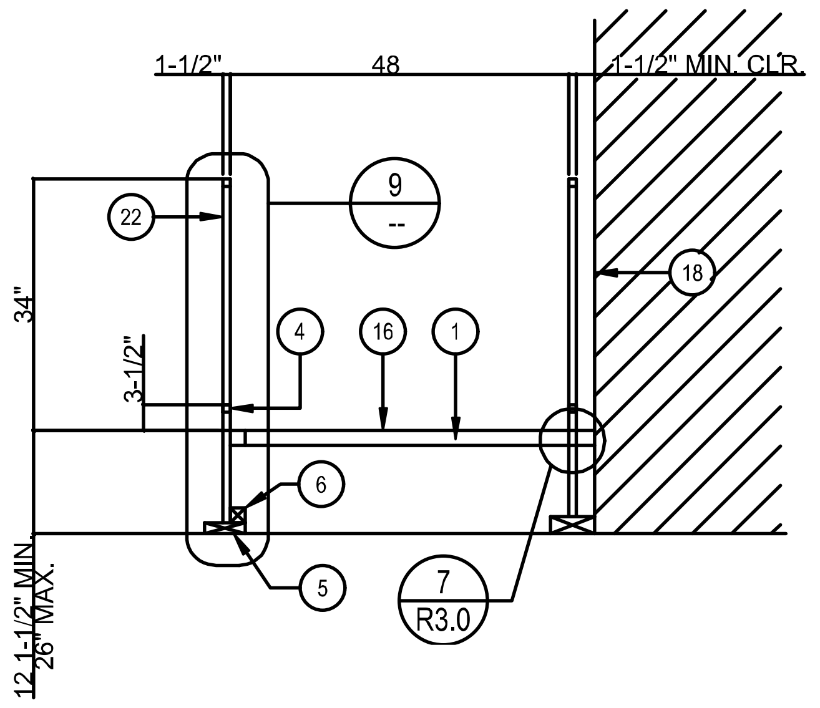
ADJUSTABLE LEG 3" 14



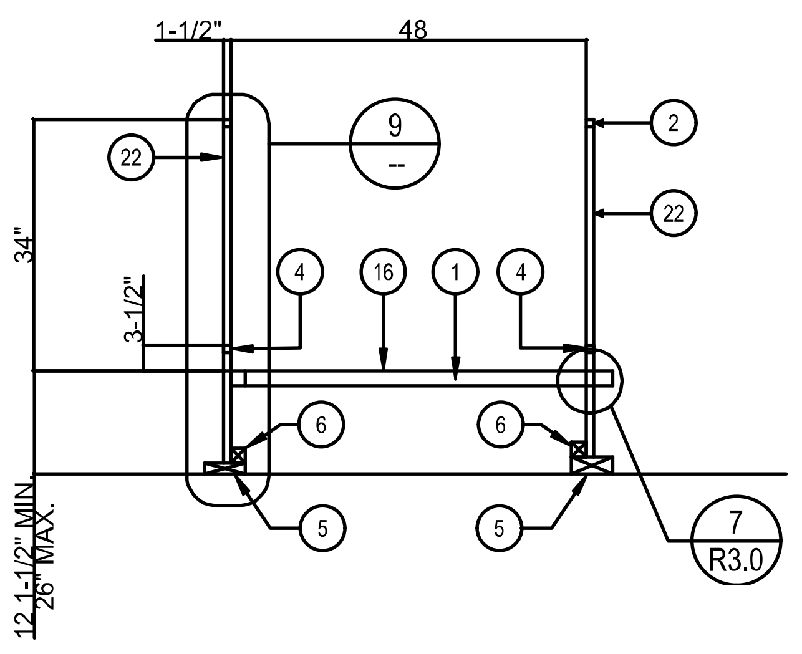
END ELEVATION 1/2" 16


60" MIN. CLR. AT DOOR OF BUILDING TO FACE OF WHEEL GUIDE
1-1/2"
22
9 / --
18
34"
4
16
1
7 / R3.0
3-1/2"
6
SHORT LEG TO LANDING FRAME
1/8
5
12 1-1/2" MIN. 26" MAX.

SECTION AT LANDING 1/2" 17



SECTION AT RAMP 1/2" 18



SECTION AT RAMP 1/2" 19

KEY NOTES

① TS 2" X 2" X16 ga (SPACING AS NOTED ON PLAN)
② TS 1-1/2" X 1-1/2" X 12 ga. DIAGONAL BRACE @ 1:1 SLOPE
③ TS 1-1/4" X 1-1/4" X 12 ga.
④ TS 1-1/2" X 1-1/2" X 12 ga. WHEEL CHAIR GUIDE
⑤ 2 X 6 PT SILL PLATE.
⑥ 2 X 2 NAILER WITH 16d @ 12" O.C.
⑦ NOT USED
⑧ NOT USED.
⑨ NOT USED
⑩ 3" X 1" X 3'-0" X 10ga. BENT PLATE.
⑪ 4-1/2" X 4-3/4" X 1/4" BASE PLATE WITH 2 - 3/8" X 1" GALVANIZED LAGS.
⑫ NOT USED
⑬ NOT USED
⑭ NOT USED
⑮ SKIRTING: PLYWOOD TO MATCH BUILDDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8d @ 6" O.C. EDGES AND 12" O.C. FIELD. AT EDGE CONNECTION TO TS, USE #14 X 2" TEK SCREWS @ 6" O.C.
⑯ 12ga. METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR.
⑰ RAMP LANDING BY OTHER. 2 / R3.0
⑱ EXISTING BUILDING.
⑲ NOT USED
⑳ 1" DIA. HOT DIPPED GALVANIZED STD. PIPE ANCHOR @ 10'-0" MAX. O.C. AND 2'-0" MAX. FROM END OF SILL PLATE, TYP. 12" MIN. PENETRATION DEPTH
㉑ 3/8" DIA. X 2" LONG MB WITH NUT & WASHERS
㉒ TS 1-1/2" X 1-1/2" X 12ga. @ 4'-0" O.C. MAX.

APPROVALS

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APP: 03-126270 INC:
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DATE: 09/17/2026

SPARC DESIGN
3826 TANZANTIE CT. PERRIS, CA 92570
WWW.SPARCDESIGNGROUP.COM | 951.293.4526

JACK F. SHIVELY
NO. C-33467
REN: 01/31/2025

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SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 05/22/2024~~

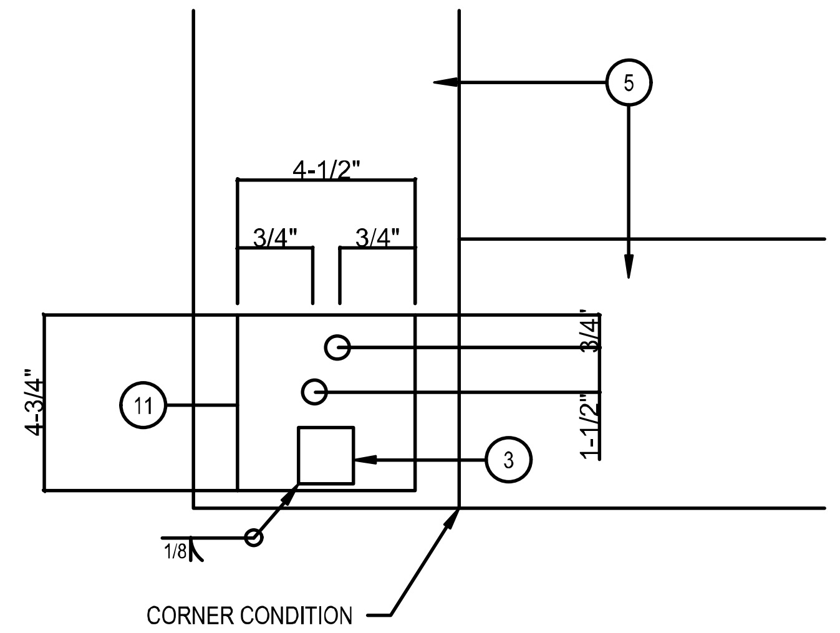
PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

PROJECT INFORMATION:
Pre-Check (PC) Metal Ramp and Landing
PRO-FAB CONSTRUCTION INC
17907 Taylor Avenue, Bloomington, CA 92316
Ph. (909) 873-9974

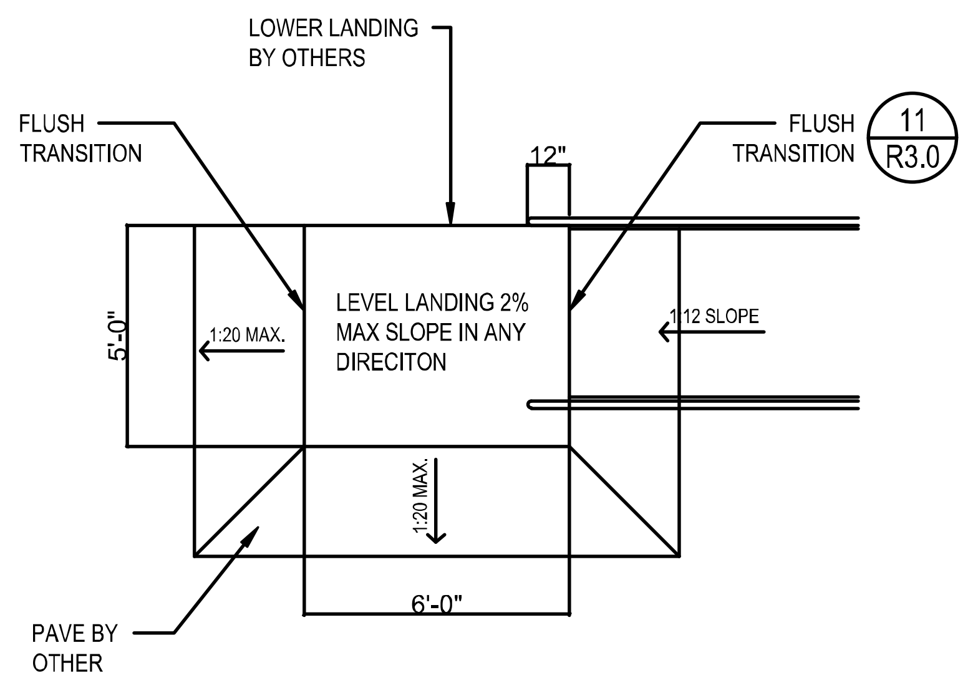
REV #:	DATE:	DESCRIPTION:
1	-	-

SHEET TITLE
METAL RAMP DETAILS

SHEET #:
R2.0

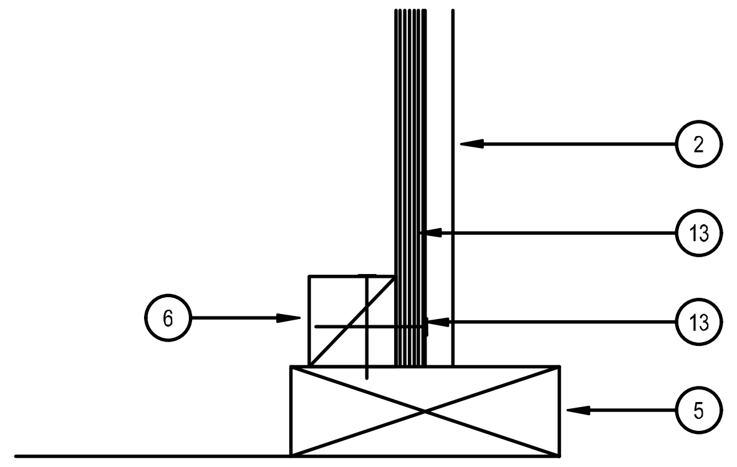


ADJUSTABLE LEG BASE PLATE | 3" | 1

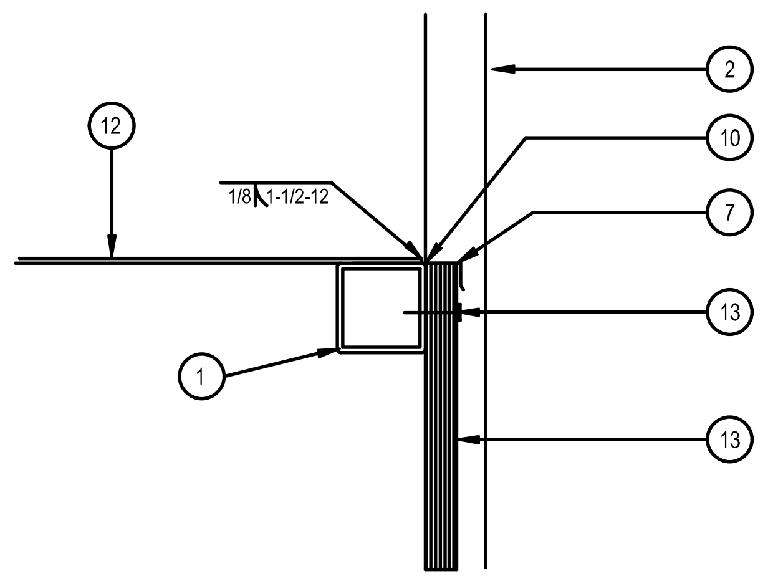


NOTE:
1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY OTHER.

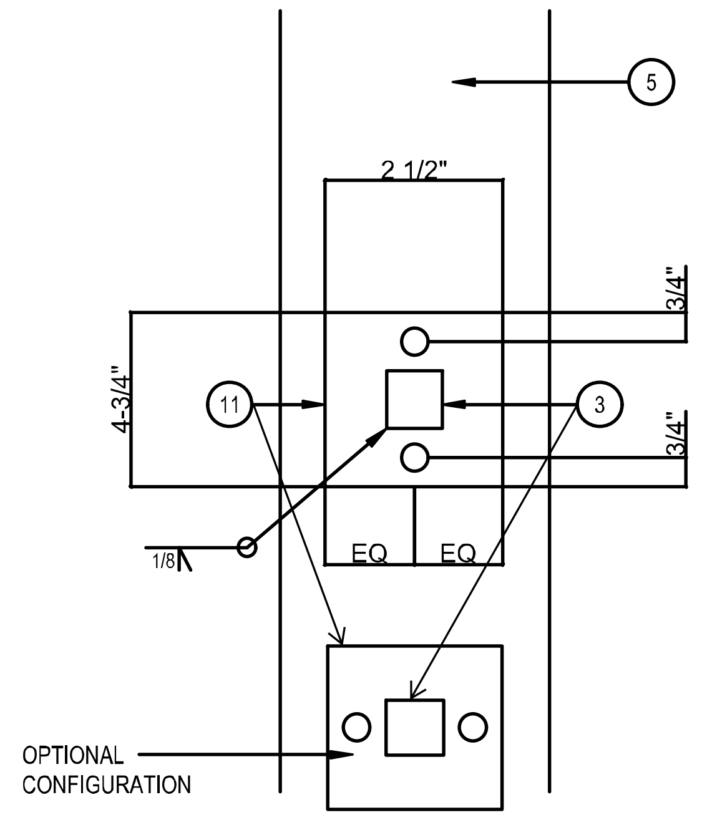
RAMP TRANSITION | 1/4" | 2



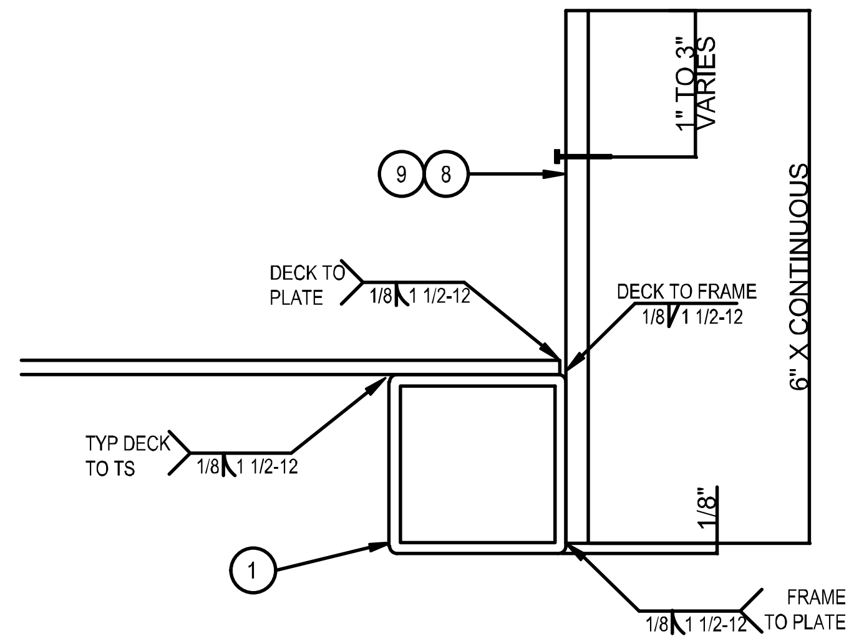
SKIRT @ SILL PLATE | 3" | 3



SKIRT FLASHING | 3" | 4

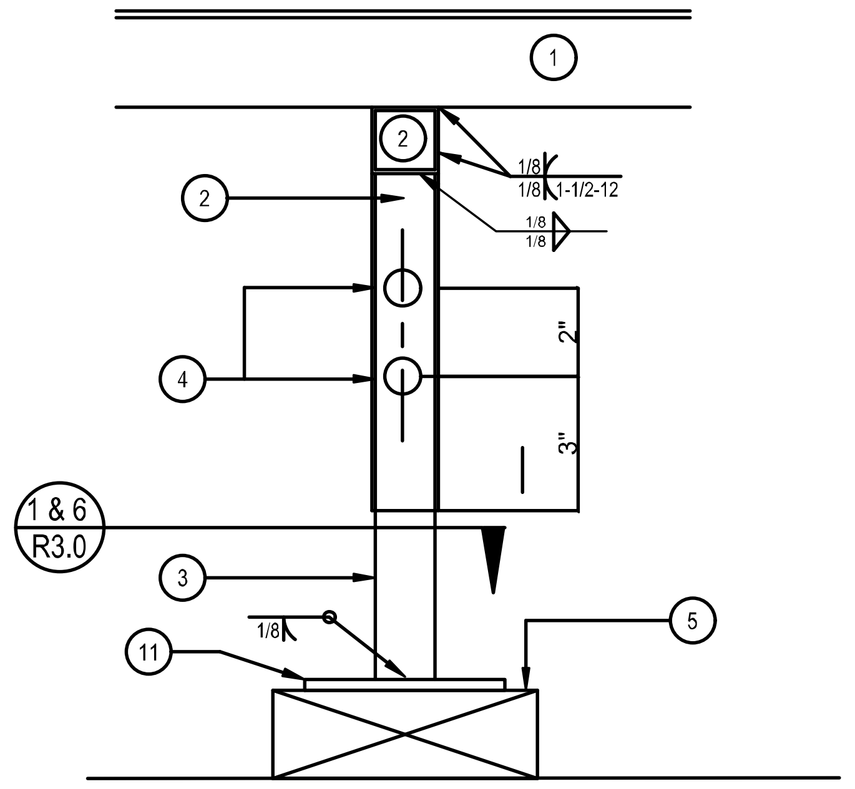


ADJUSTABLE LEG BASE PLATE | 3" | 6

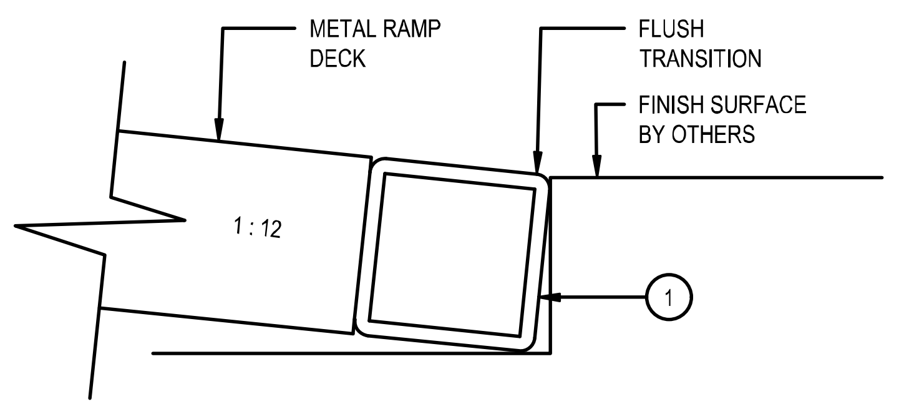


SECTION AT PLATE | 6" | 7

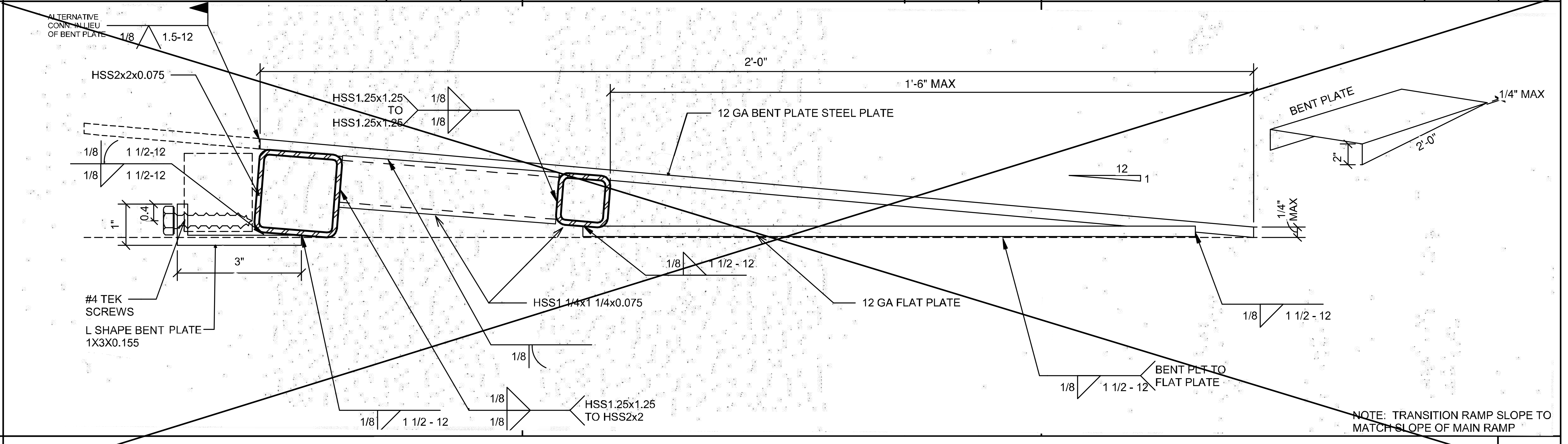
8



ADJUSTABLE LEG | 9



FLUSH TRANSITION AT LANDING | 6" | 11



NOTE: TRANSITION RAMP SLOPE TO MATCH SLOPE OF MAIN RAMP

ZERO TRANSITION RAMP SECTION VIEW | NTS | 14

16

17

18

19

○ KEY NOTES

① TS 2" X 2" X16 ga (SPACING AS NOTED ON PLAN)

② TS 1-1/2" X 1-1/2" X 12ga.

③ TS 1-1/4" X 1-1/4" X 12ga.

④ 3/8" DIA. X 2" LONG MB WITH NUT & WASHERS

⑤ 2 X 6 PT SILL PLATE - BLOCK

⑥ 2 X 2 NAILER WITH 16d @ 12" O.C.

⑦ 26GA. FLASHING.

⑧ 6" X 10ga. CONTINUOUS PLATE WITH 1/4" X 2" TEK SCREWS @ 9" O.C. INTO WOOD OR FOUNDATION BLOCKS OR #14 X 2" TEK SCREWS INTO STEEL @ 9" O.C. AS REQUIRED.

⑨ 6" X 12" X 10ga. PLATE WITH 2 - 1/4" X 3" LAGS TO STRUCTURAL FRAME OF BUILDING.

⑩ CAULKING.

⑪ 4-1/2" X 4-3/4" X 1/4" BASE PLATE WITH 2 - 3/8" X 1" LAGS (TO BE GALV. WHEN IN PT WOOD)

⑫ 12GA. METAL DECK: NON-SLIP SURFACE. DESIGN COEFFICIENT OF FRICTION GREATER THAN 6%. MAINTAINABLE FOR 1 YEAR.

⑬ SKIRTING: PLYWOOD TO MATCH BUILDING SIDING. BLOCK ALL EDGES. ATTACH WITH 8D @ 6" O.C. EDGES AND 12" O.C. FIELD. AT EDGE CONNECTION TO TS, USE #14 X 2" TEK SCREWS @ 6" O.C.

APPROVALS

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/17/2026

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3826 TANZANTIE CT. PERRIS, CA 92570
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JACK F. SHIVELY
NO. C-33467
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PRO-FAB CONSTRUCTION INC
17907 Taylor Avenue, Bloomington, CA 92316
Ph. (909) 873-9974

REV #:	DATE:	DESCRIPTION:
	-	-

SHEET TITLE: METAL RAMP DETAILS

SHEET #: R3.0