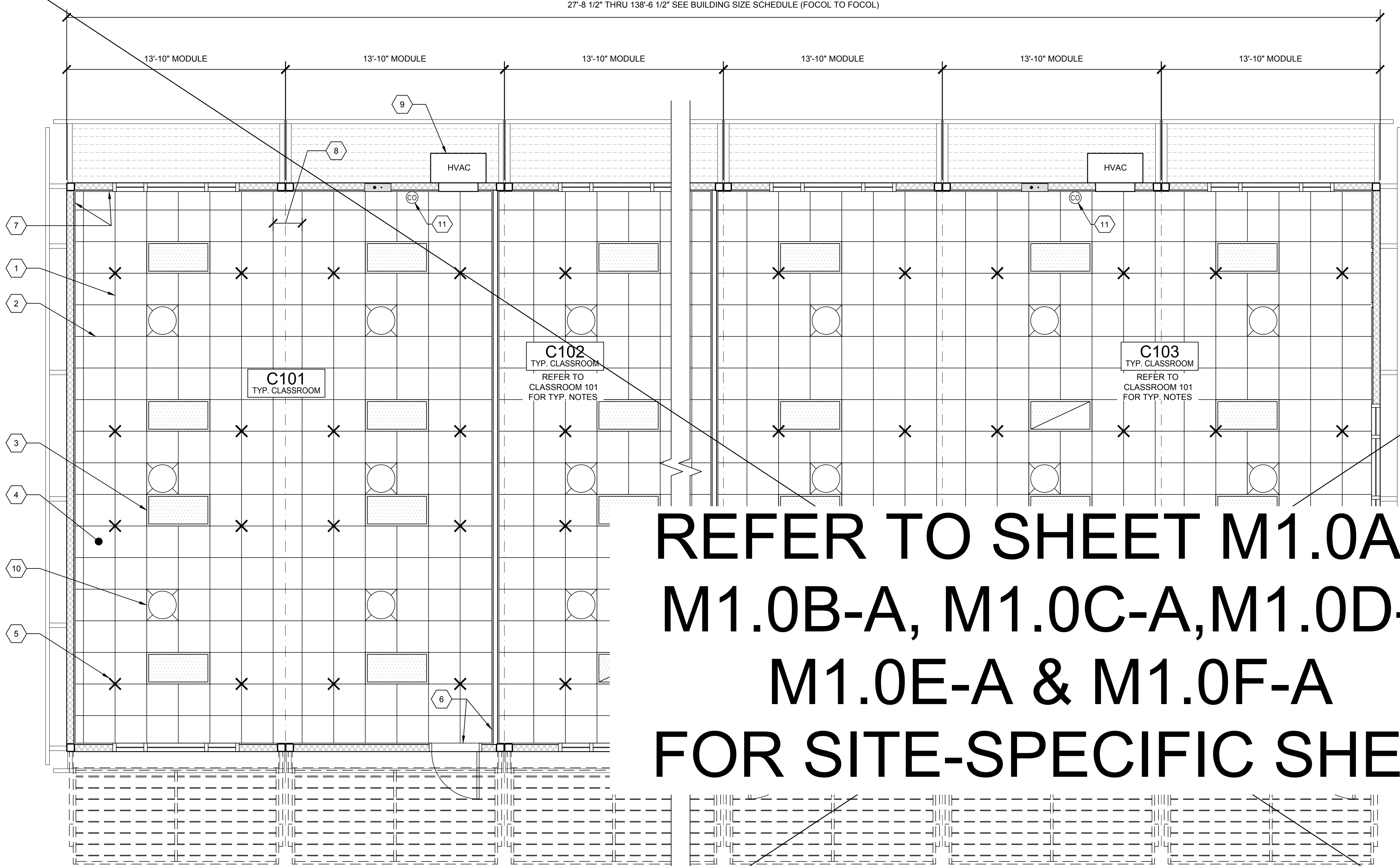


27'-8 1/2" THRU 138'-6 1/2" SEE BUILDING SIZE SCHEDULE (FOCOL TO FOCOL)



TYPICAL REFLECTED CEILING PLAN

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

1

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
☐ 28'x36'	2	0	27'-8 1/2"
☐ 42'x36'	3	1	41'-6 3/4"
☐ 56'x36'	4	2	55'-5"
☐ 70'x36'	5	3	69'-3 1/4"
☐ 84'x36'	6	4	83'-1 1/2"
☐ 98'x36'	7	5	96'-11 3/4"
☐ 112'x36'	8	6	110'-10"
☐ 126'x36'	9	7	112'-8 1/4"
☐ 140'x36'	10	8	138'-6 1/2"

NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2 & S1.3

- 1 MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
2 CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
3 INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
4 CEILING HEIGHT @ 8'-6" MIN.
5 STRUT/PLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS
6 FIXED CEILING END, SEE DETAIL 5A/M1.4
7 FREE CEILING END, SEE DETAIL 5B/M1.4
8 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4
9 TYP. HVAC UNIT
10 OPTIONAL SOLA-TUBE - SEE DETAIL 1/M1.6
11 CARBON DIOXIDE MONITOR (SEE #6 SHEET NOTES PAGE M1.1A)

KEY NOTES

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
2. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2.
3. LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
4. PC TITLE 24 HAS BEEN RUN FOR WORSE CASE OUTDOOR VENTILATION REQUIREMENTS (SEE OUTDOOR VENTILATION ON SHEET N2.0 FOR OUR OUTDOOR VENTILATION DESIGN REQUIREMENT NOTES)
5. ACCEPTANCE TESTING PER ENERGY CODE SECTION 10-103.
6. ACCEPTANCE TESTS TO BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF MECHANICAL SYSTEMS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

GENERAL NOTES

P COMPONENT ANCHORAGE NOTES

L MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED D INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. E FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE D DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 17A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

ALL PERMANENT EQUIPMENT AND COMPONENTS.

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.

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 REFERENCE 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 NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

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

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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

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PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

GEN7
by AMS

SITE SPECIFIC PROJECT NAME

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 05/14/2024

2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICK CAMPBELL
No. C12631
Ren. 2-31-25
STATE OF CALIFORNIA

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REVISIONS

△	
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DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:

TYPICAL REFLECTED
CEILING PLAN

SHEET NUMBER:

M1.0

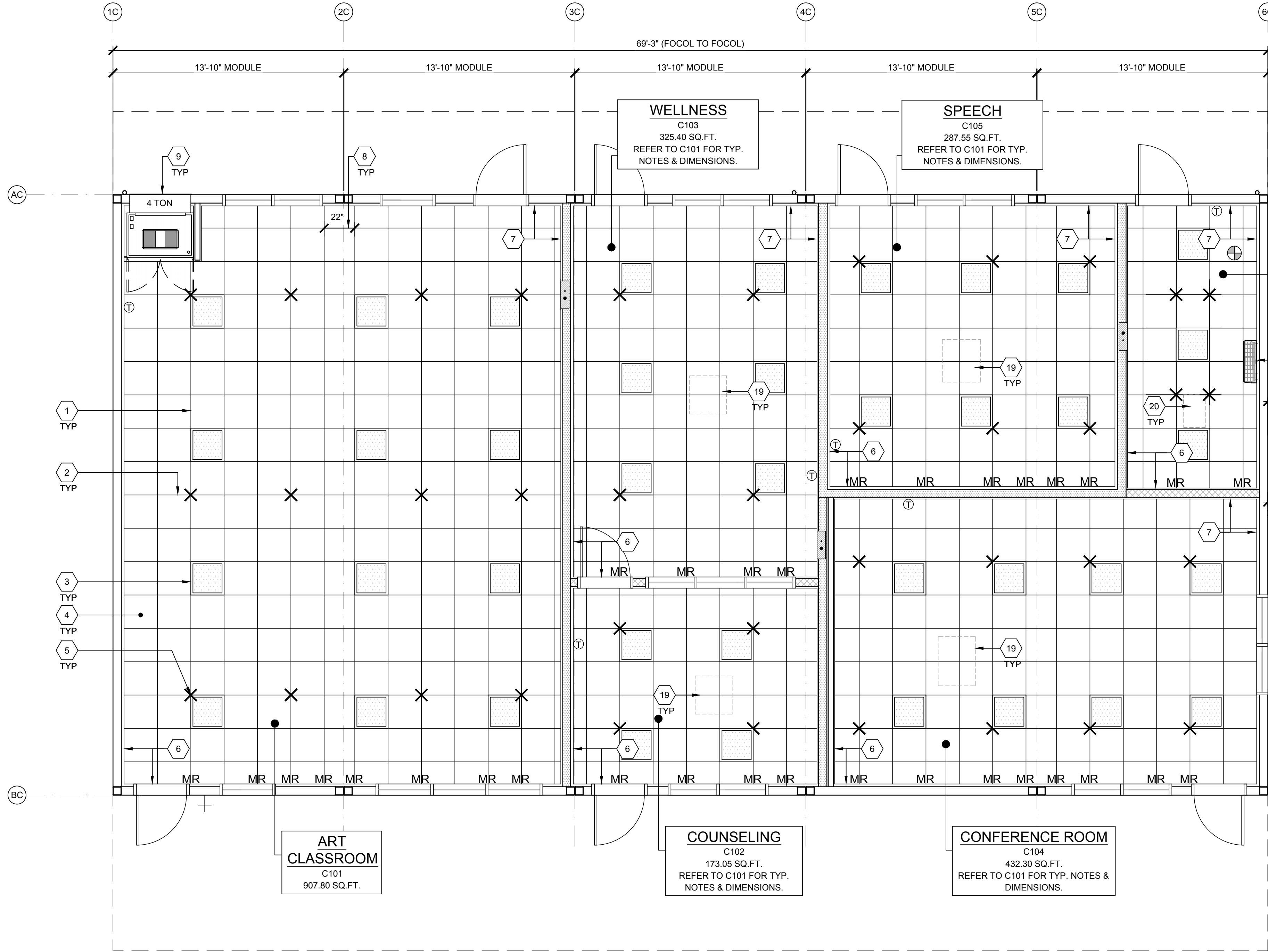
NOT USED

NOT USED

NOT USED

BUILDING SIZE SCHEDULE

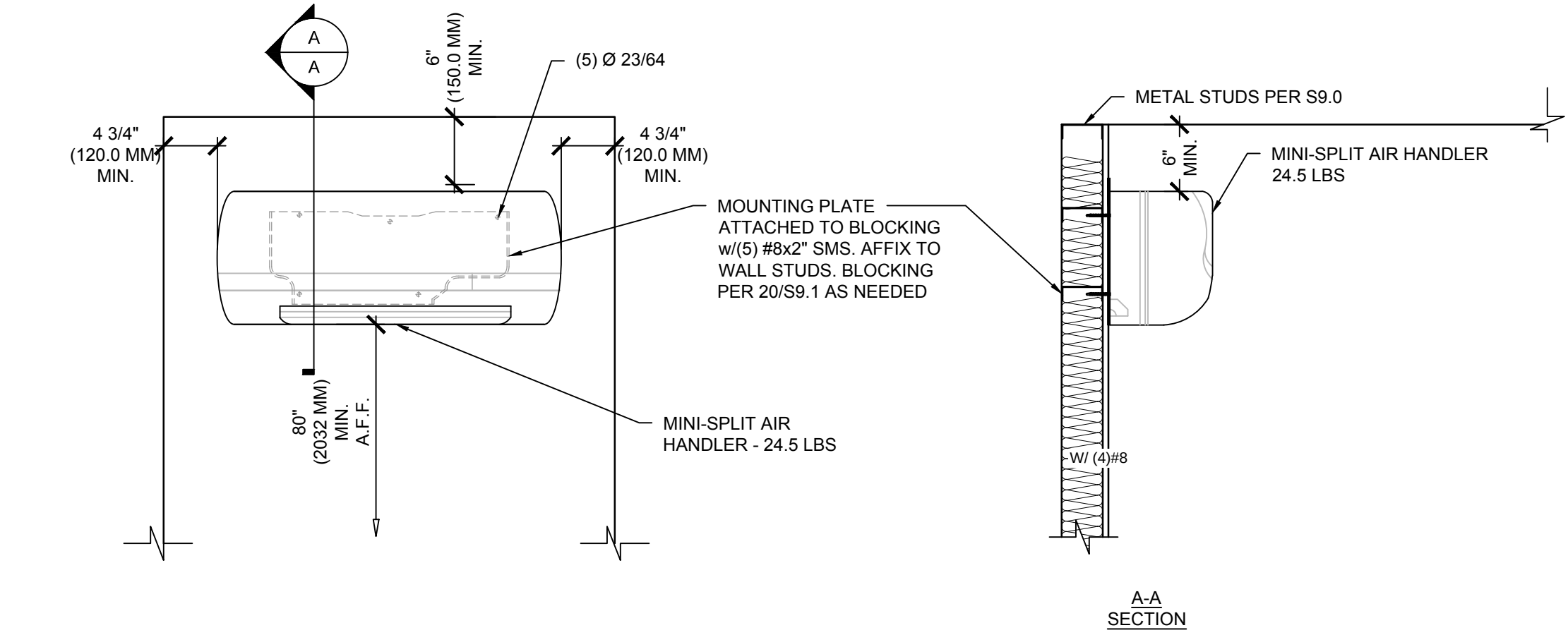
MEP COMPONENT ANCHORAGE NOTES



REFLECTED CEILING PLAN - BUILDING C

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

KEY MAP



WALL MOUNTED INDOOR UNIT ATTACHMENT DETAIL

SCALE: N.T.S.

NOT USED

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH
☐ 28'x36'	2	0	27'-8 1/2"
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NOTES:

- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1A-A

BUILDING SIZE SCHEDULE

- MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- INTERIOR LIGHT FIXTURE, REFER TO SHEET E1.0A-A FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
- CEILING HEIGHT @ 9'-0" OR 9'-6" - SEE N3.0-A SHEET
- STRUT/PLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS
- FIXED CEILING END, SEE DETAIL 5A/M1.4
- FREE CEILING END, SEE DETAIL 5B/M1.4
- CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4
- TYP. HVAC UNIT
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- WALL MOUNTED AIR CONDITIONING SYSTEM (MINI SPLIT SYSTEM)
- CONDENSER - SEE MECHANICAL SHEETS
- CONDENSER DISCONNECT
- CEILING-CONCEALED (DUCTED) INDOOR UNIT - SEE MECHANICAL SHEETS
- BC CONTROLLER - SEE EQUIPMENT SCHEDULE

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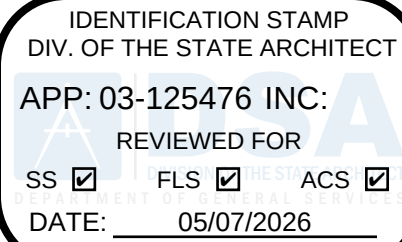
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MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # _____.

MEP COMPONENT ANCHORAGE NOTES



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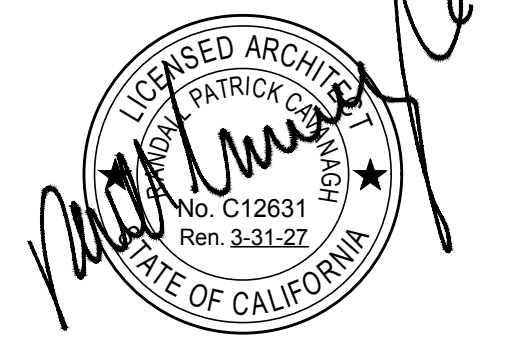
PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME

PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD



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

REVISIONS

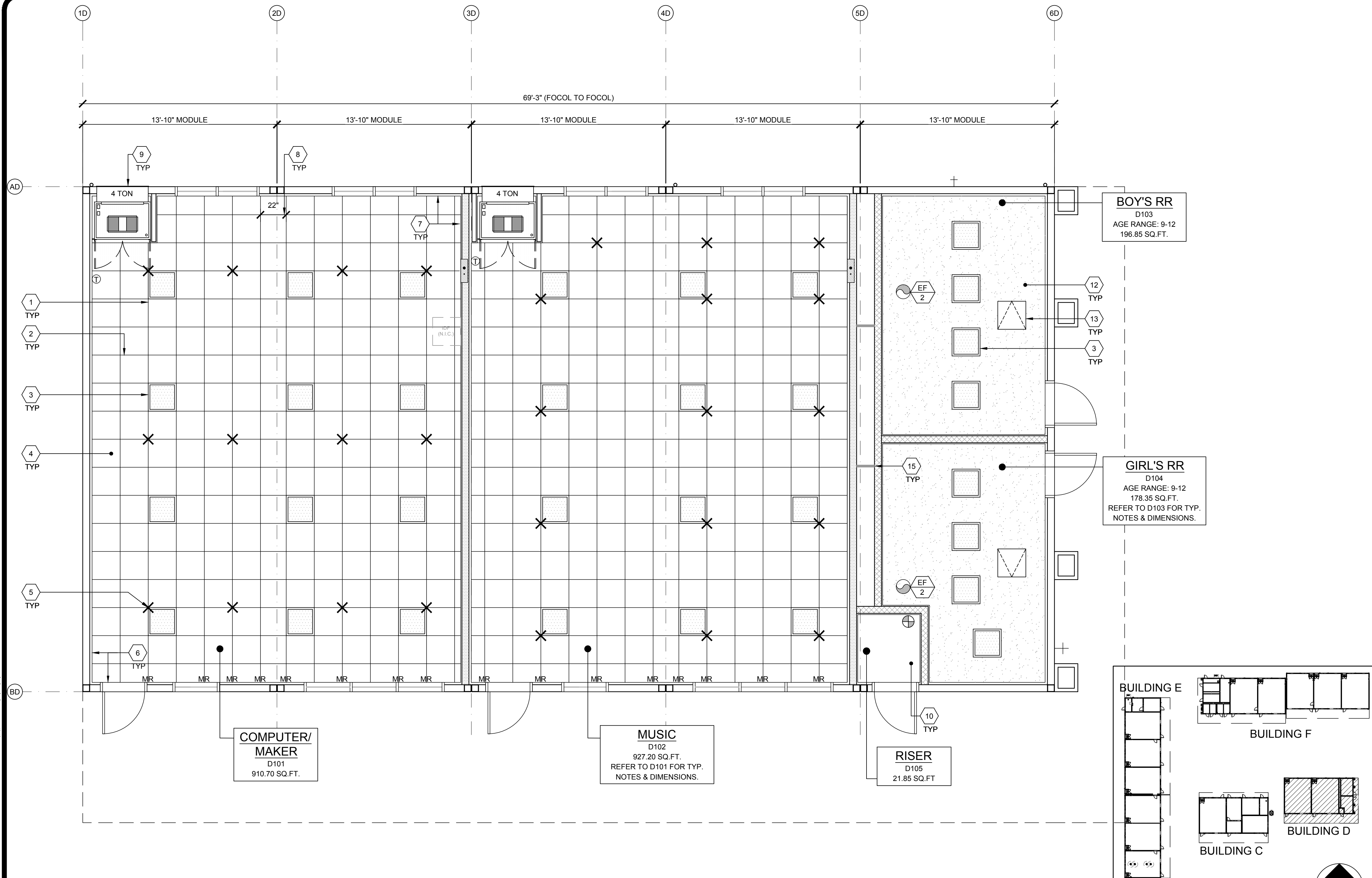
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DATE: 3/5/26
PROJECT NO: 1902-24

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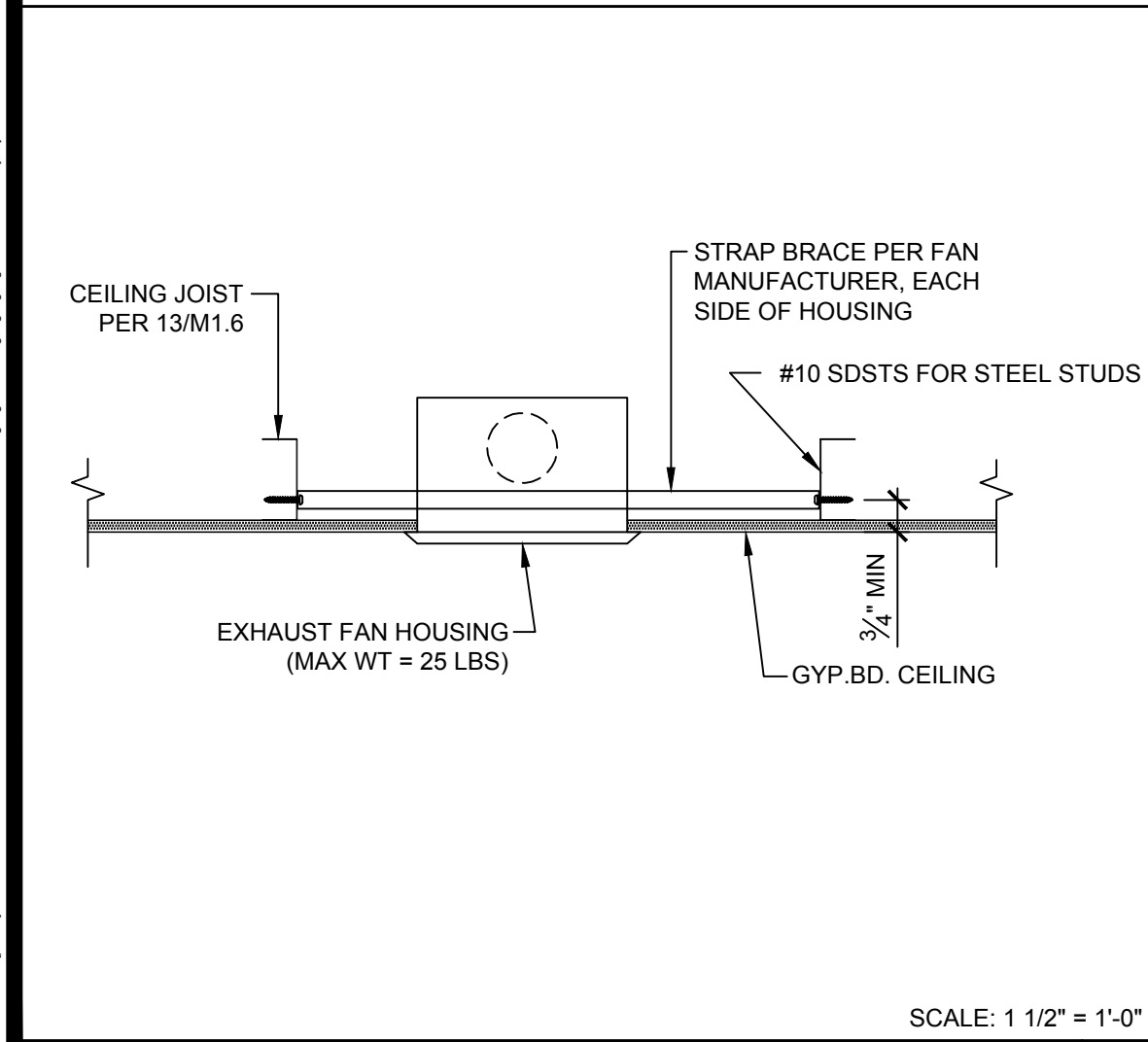
TYPICAL REFLECTED
CEILING PLAN
BUILDING C

SHEET NUMBER:

M1.0A-A



REFLECTED CEILING PLAN - BUILDING D



EXHAUST FAN @ GYP.BD. CEILING MOUNT

NOT USED

MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH	
EF 1	EXHAUST FAN	110	47.3	10"	120-10	NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)
EF 2	EXHAUST FAN	210	127	125"	120-10	BROAN L200 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)
EF 3	EXHAUST FAN	308	212	125"	120-10	BROAN L300 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)

- NOTES:
- VENT EXHAUST FAN THROUGH ROOF.
 - FANS MUST WEIGH LESS THAN 25 LBS.
 - LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID LAYOUT.
 - FOR INSTALLATION DETAILS REFER TO 2/M1.0B-A

EXHAUST FAN SCHEDULE

KEY MAP

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
☐ 28'x36'	2	0	27'-8 1/2"
☐ 42'x36'	3	1	41'-6 3/4"
☐ 56'x36'	4	2	55'-5"
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☐ 126'x36'	9	7	112'-8 3/4"
☐ 140'x36'	10	8	138'-6 1/2"

- NOTES:
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BUILDING SIZE SCHEDULE

- MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0B-A FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
- CEILING HEIGHT @ 9'-0" OR 9'-6" - SEE N3.0-A SHEET
- STRUT/SPLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS
- FIXED CEILING END, SEE DETAIL 5A/M1.4
- FREE CEILING END, SEE DETAIL 5B/M1.4
- CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4
- TYP. HVAC UNIT
- NO CEILING - EXPOSED TO ROOF JOISTS ABOVE
- NOT USED
- GYPSUM BOARD CEILING PER DETAIL 13/M1.6
- FLUSH MOUNTED CEILING ACCESS HATCH 24"x24"
- NOT USED
- DRAFT STOP (REQUIRED ONLY OF NON-ACCESSIBLE SPACE.)

KEY NOTES

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2.
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 - 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.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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

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PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME

PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

Patricia Canham
No. C12631
Ren. 3-31-27
STATE OF CALIFORNIA

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REVISIONS

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SCALE: AS NOTED

DATE: 2/23/26

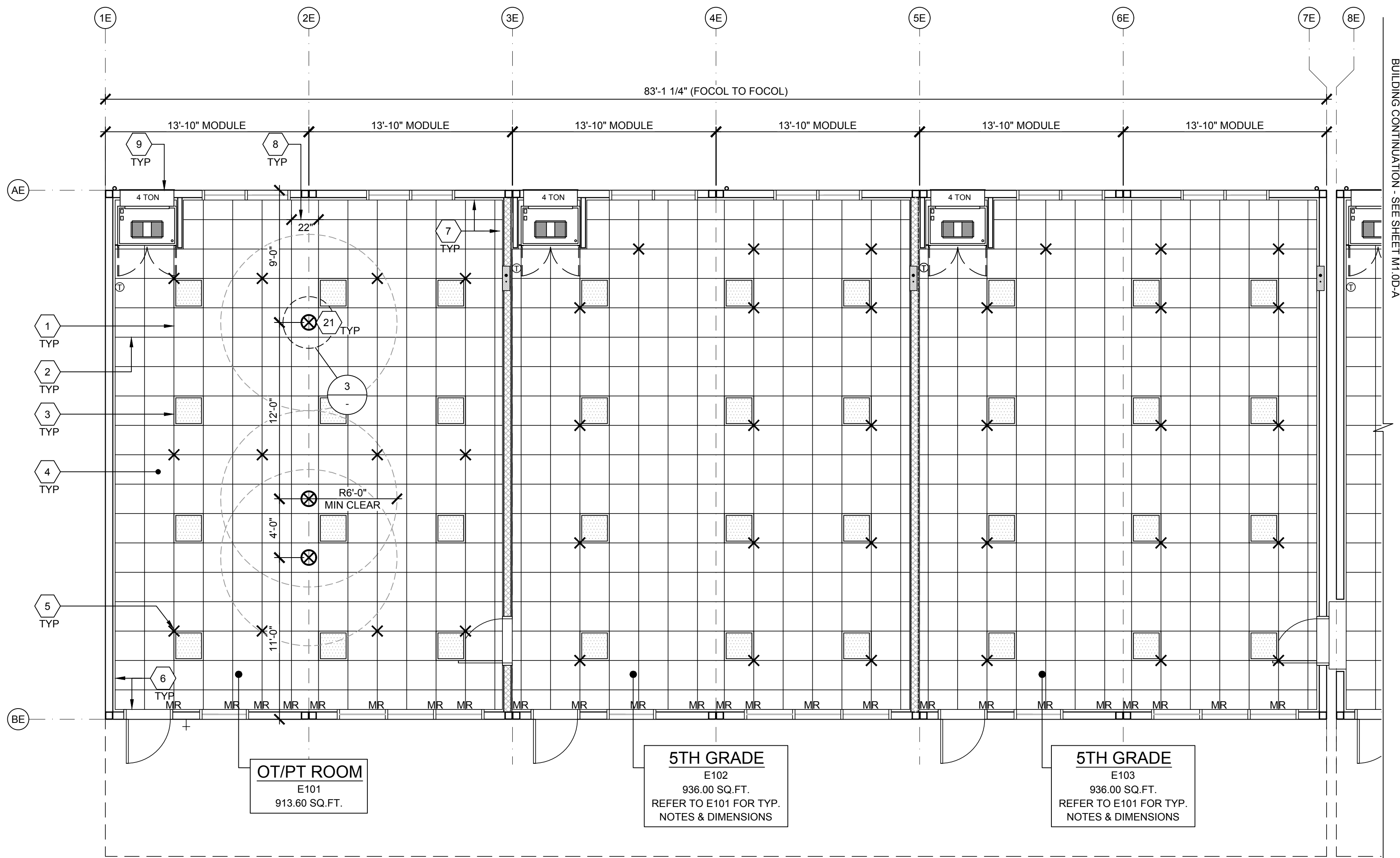
PROJECT NO: 1902-24

SHEET TITLE:

TYPICAL REFLECTED
CEILING PLAN
BUILDING D

SHEET NUMBER:

M1.0B-A



- 1 MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- 2 CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7
- 3 INTERIOR LIGHT FIXTURE, REFER TO SHEET E1.0C-A FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4
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- 9 TYP. HVAC UNIT
- 10 NOT USED
- 11 NOT USED
- 12 NOT USED
- 13 NOT USED
- 14 NOT USED
- 15 NOT USED
- 16 NOT USED
- 17 NOT USED
- 18 NOT USED
- 19 NOT USED
- 20 NOT USED
- 21 4 SOUTHPAW PREFAB JOIST INSTALLATION KIT FOR SUSPENSION HARDWARE ALIGNED TO STRUCTURE BEAM. CONNECTION TO CLEAR PAST DROPPED CEILING. - SEE DETAIL 3/-

KEY NOTES

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
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SCALE: AS NOTED
DATE: 3/17/26
PROJECT NO: 1902-24

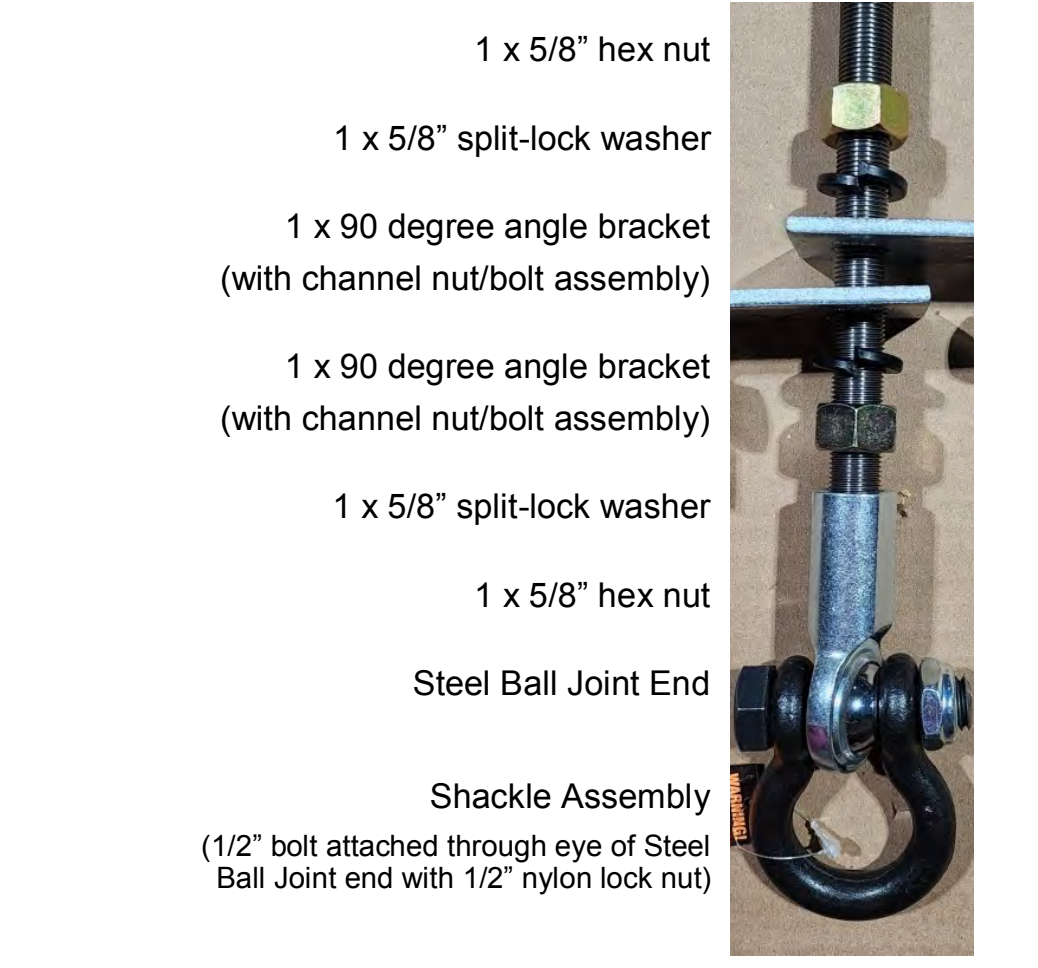
SHEET TITLE:

TYPICAL REFLECTED
CEILING PLAN
BUILDING E

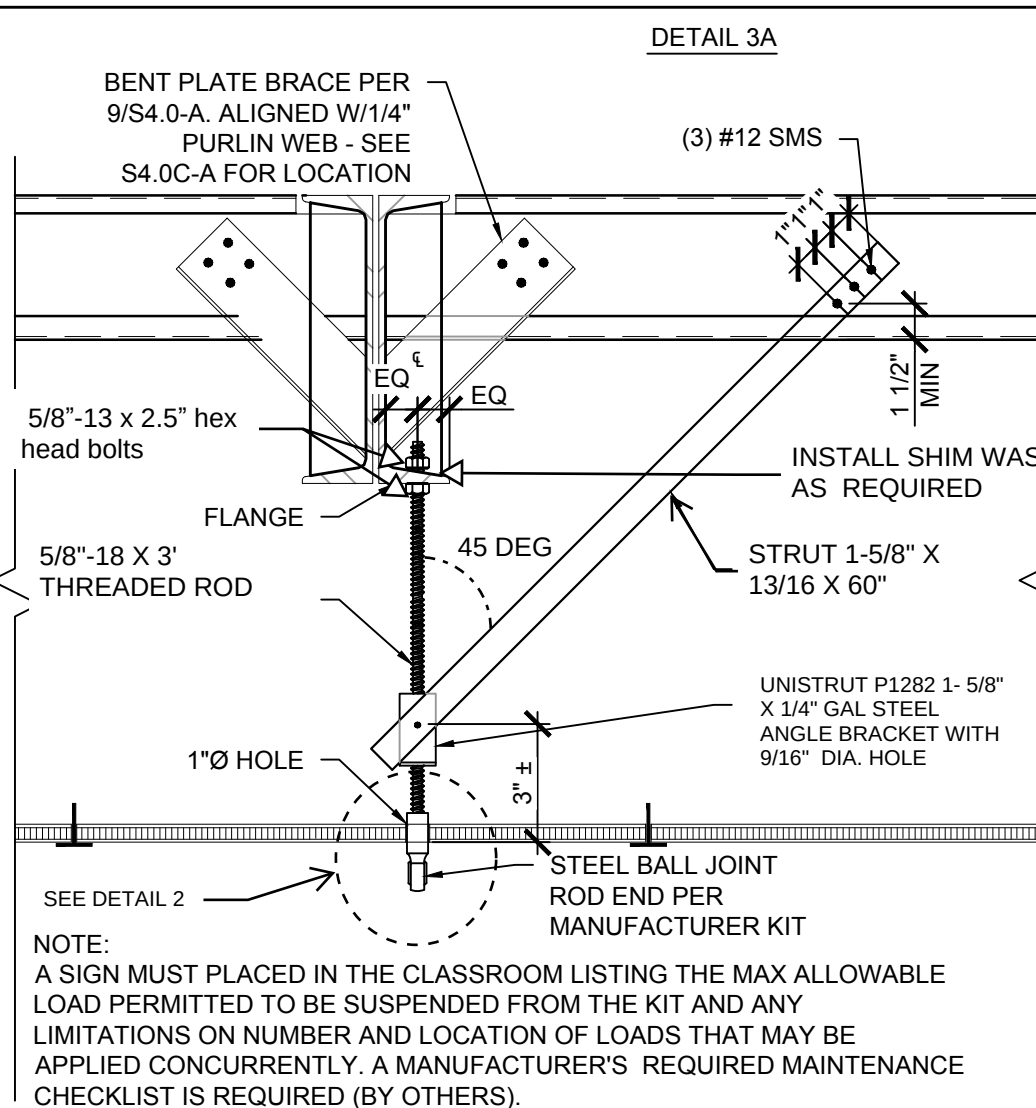
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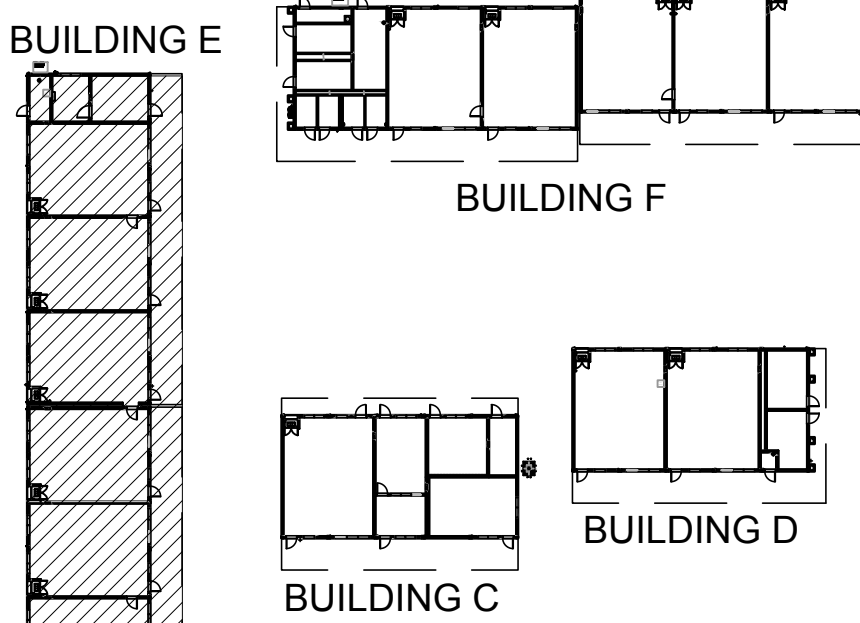
M1.0C-A

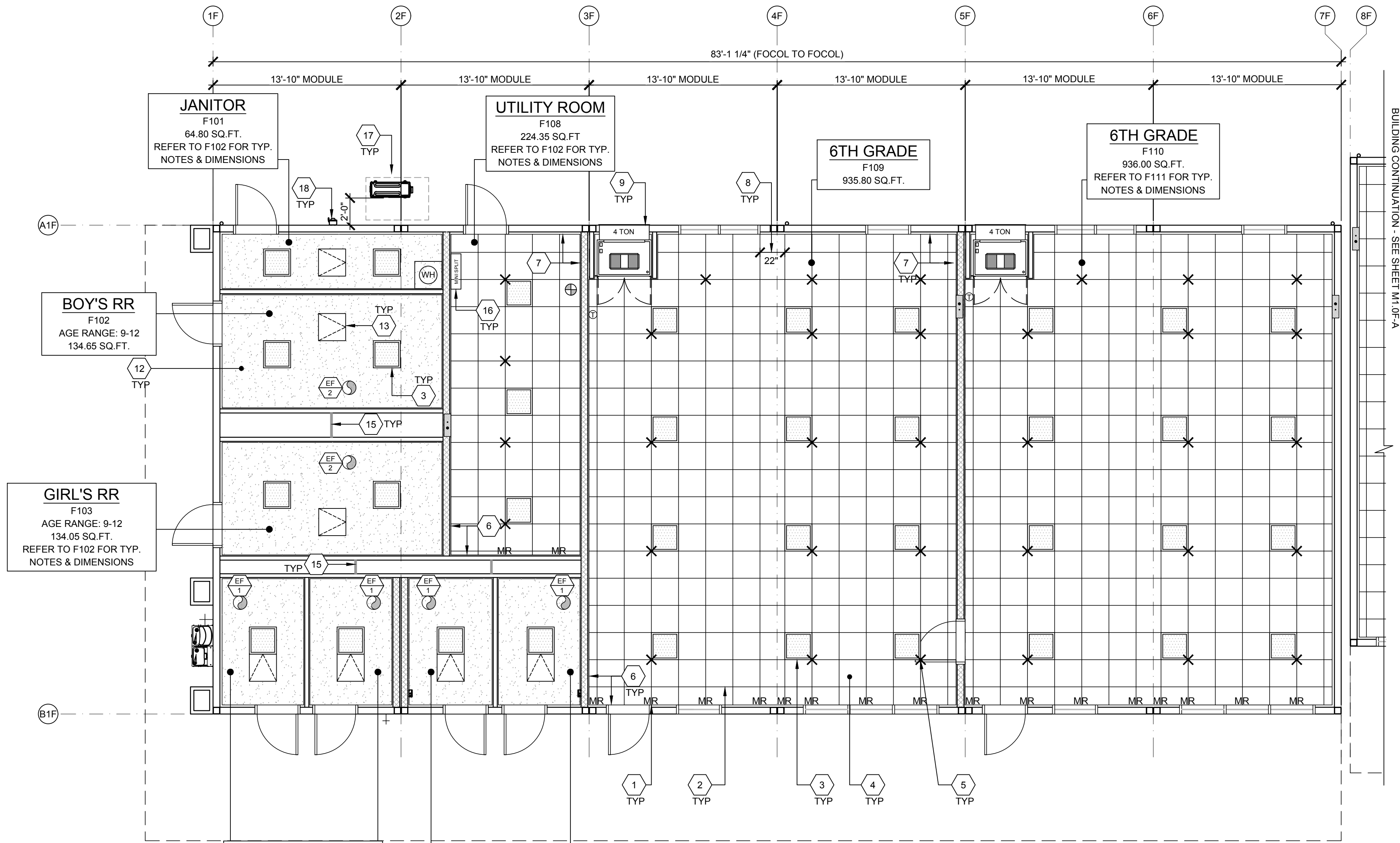
REFLECTED CEILING PLAN - BUILDING E



THREADED ROD BOTTOM END HARDWARE ATTACHMENT DETAIL







- 1 MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7
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- 8 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4
- 9 TYP. HVAC UNIT
- 10 NOT USED
- 11 NOT USED
- 12 GYPSUM BOARD CEILING PER DETAIL 13/M1.6
- 13 FLUSH MOUNTED CEILING ACCESS HATCH 24"x24"
- 14 T-GRID OR HARD LID CEILING REQUIRED @ MECHANICAL CHASE. ONLY WHEN CHASE WALLS ARE NOT FULL HEIGHT TO ROOF BEAM OR FRAMING.
- 15 DRAFT STOP (REQUIRED ONLY OF NON-ACCESSIBLE SPACE.
- 16 WALL MOUNTED AIR CONDITIONING SYSTEM (MINI SPLIT SYSTEM)
- 17 CONDENSER - SEE MECHANICAL SHEETS
- 18 CONDENSER DISCONNET

KEY NOTES

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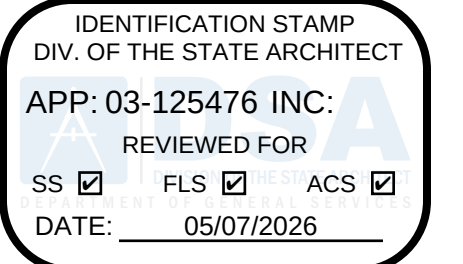
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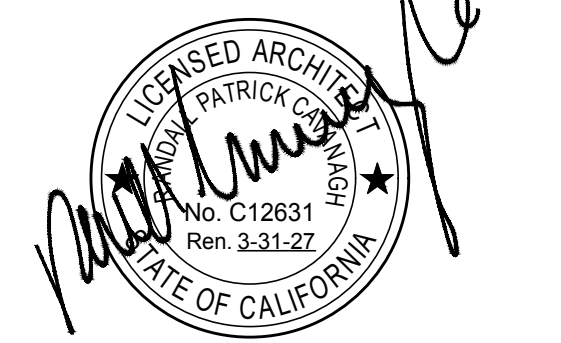
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DRAWN BY: AV

SCALE: AS NOTED

DATE: 3/5/26

PROJECT NO: 1902-24

SHEET TITLE:

TYPICAL REFLECTED
CEILING PLAN
BUILDING F

SHEET NUMBER:

M1.0E-A

REFLECTED CEILING PLAN - BUILDING F

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

KEY MAP - BUILDING F

KEY MAP

MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH	
EF 1	EXHAUST FAN	110	47.3	.10"	120-1Ø	NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)
EF 2	EXHAUST FAN	210	127	.125"	120-1Ø	BROAN L200 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)
EF 3	EXHAUST FAN	308	212	.125"	120-1Ø	BROAN L300 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)

- NOTES:
1. VENT EXHAUST FAN THROUGH ROOF.
 2. FANS MUST WEIGH LESS THAN 25 LBS.
 3. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID LAYOUT.
 4. FOR INSTALLATION DETAILS REFER TO 11 & 16/M1.6

NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1E-A

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
☐ 28'x36'	2	0	27'-6 1/2"
☐ 42'x36'	3	1	41'-6 3/4"
☐ 56'x36'	4	2	55'-5"
☐ 70'x36'	5	3	69'-3 1/4"
☒ 84'x36'	6	4	83'-1 1/2"
☐ 98'x36'	7	5	96'-11 3/4"
☐ 112'x36'	8	6	110'-10"
☐ 126'x36'	9	7	112'-8 1/4"
☐ 140'x36'	10	8	138'-6 1/2"

NOT USED

NOT USED

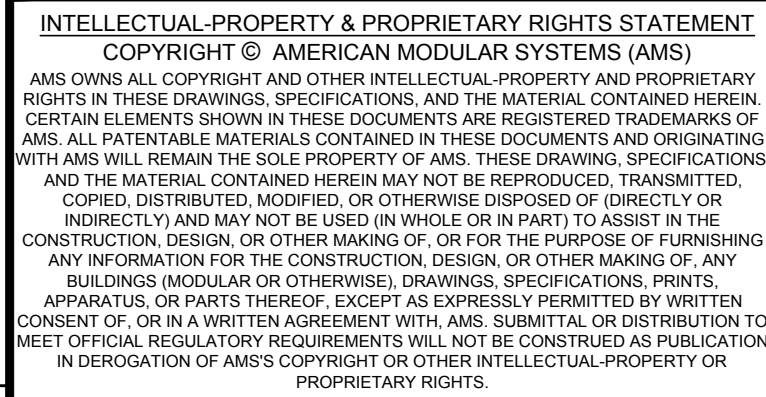
3

EXHAUST FAN SCHEDULE

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES

- IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026



PRE-CHECKED SET NAME

- 28' x 36' THRU 140' x 36'
(HIGH SEISMIC)



GEN7[®]
by AMS

SITE SPECIFIC PROJECT NAME

PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MEP COMPONENT ANCHORAGE NOTES

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 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 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 10/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE FIRST FLOOR OR ROOF LEVEL SHALL BE SUPPORTED. 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 REFERENCE 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 NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

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

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

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

REVISIONS

DRAWN BY: A1

SCALE:	AG NOTE:
--------	----------

DATE: 2/23/26

PROJECT NO: 1902-24

SHEET TITLE:

TYPICAL REFLECTED
CEILING PLAN
BUILDING F

SHEET NUMBER:

M1.0F-A

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

DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH
AUST FAN	110	47.3	.10"	120-1Ø
				NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)
AUST FAN	210	127	.125"	120-1Ø
				BROAN L200 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)
AUST FAN	308	212	.125"	120-1Ø
				BROAN L300 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)

- NOTES:
1. VENT EXHAUST FAN THROUGH ROOF.
 2. FANS MUST WEIGH LESS THAN 25 LBS.
 3. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID LAYOUT.
 4. FOR INSTALLATION DETAILS REFER TO 11 & 16/M1.6

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH
☐ 28'x36'	2	0	27'-8½"
☐ 42'x36'	3	1	41'-6¾"
☐ 56'x36'	4	2	55'-5"
☐ 70'x36'	5	3	69'-3¼"
☒ 84'x36'	6	4	83'-1½"
☐ 98'x36'	7	5	96'-11¾"
☐ 112'x36'	8	6	110'-10"
☐ 126'x36'	9	7	112'-8¾"
☐ 140'x36'	10	8	138'-6"

- NOTES:

1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1F-A

MEP COMPONENT ANCHORAGE NOTES

NOT USED

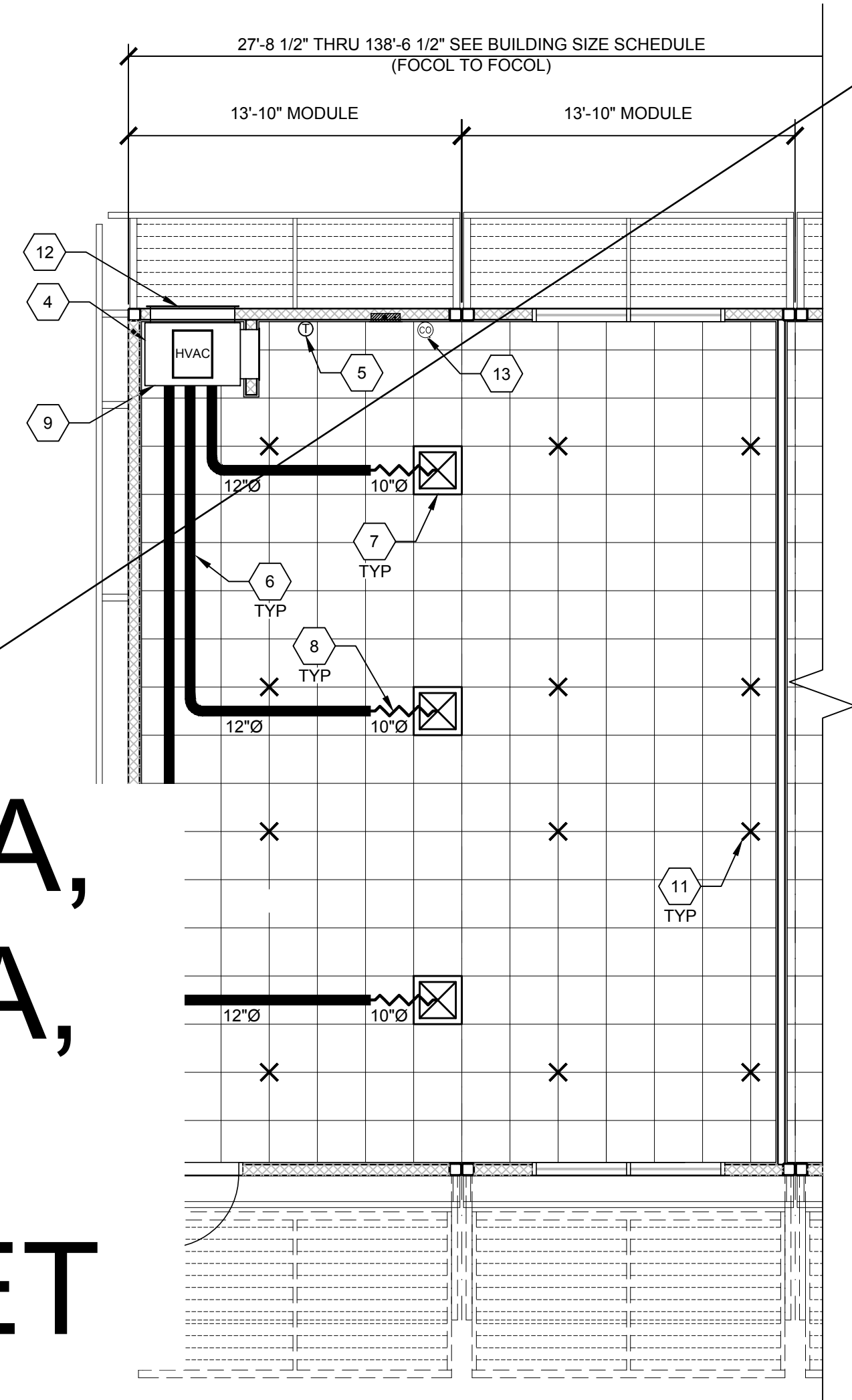
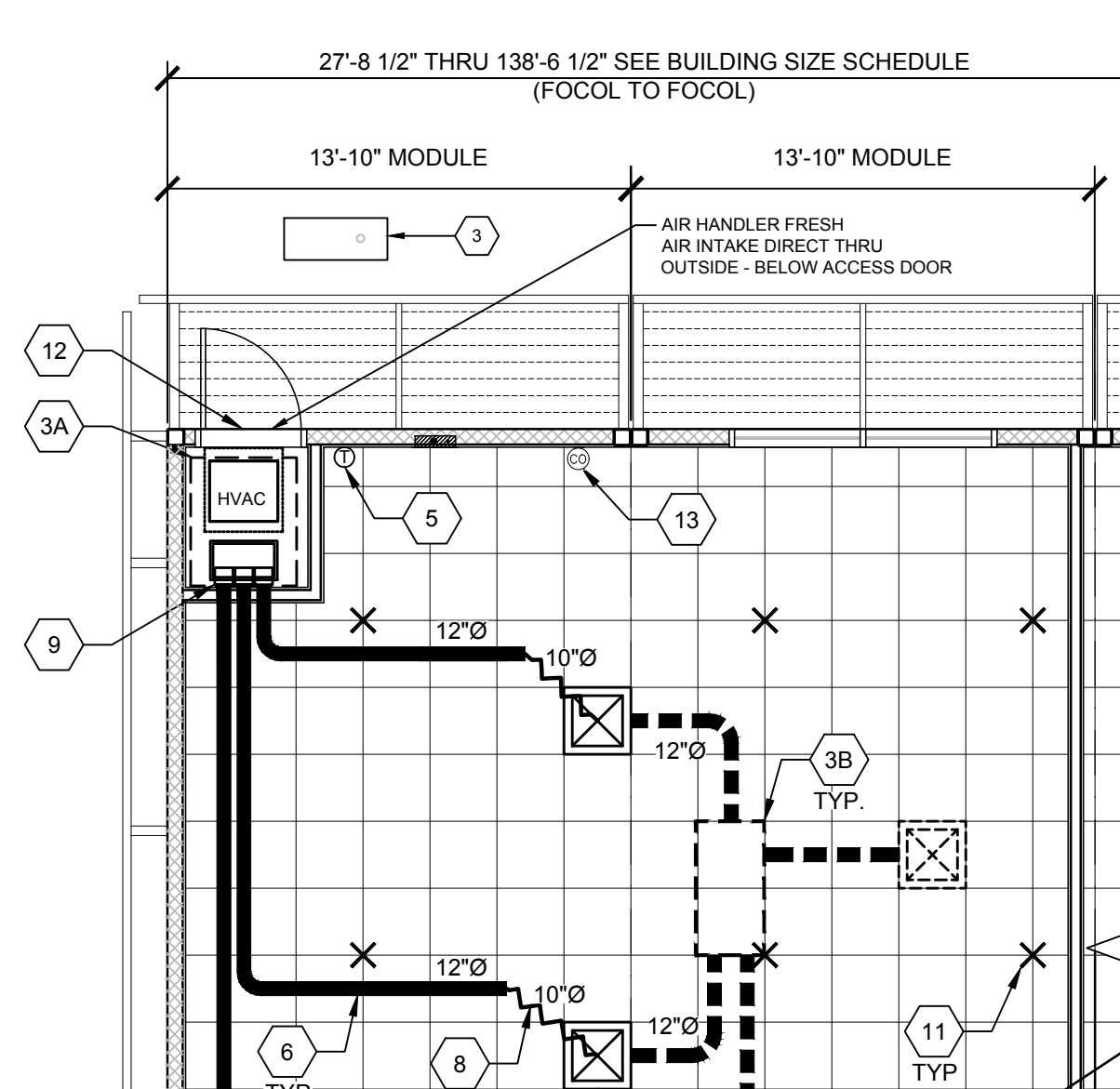
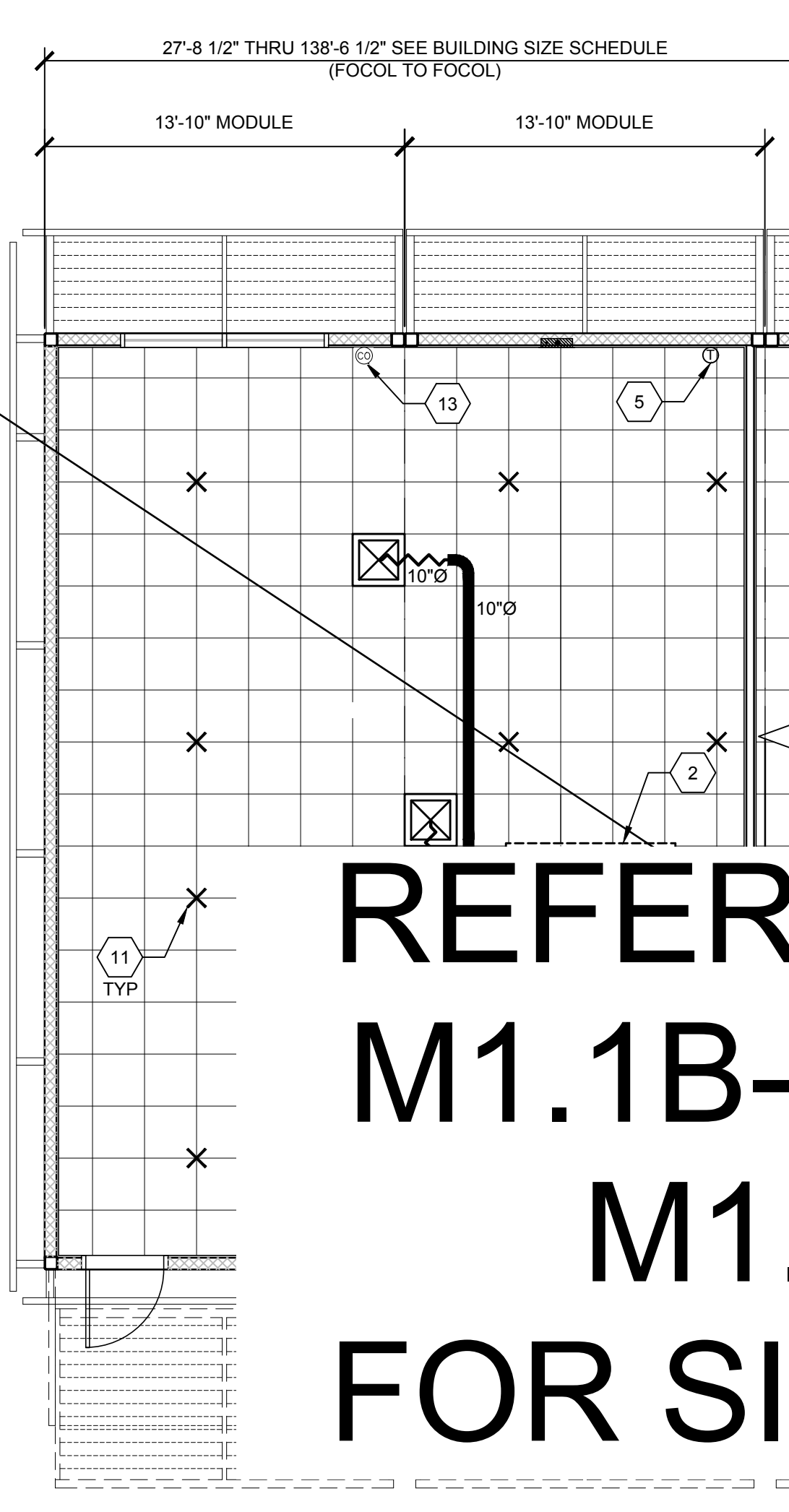
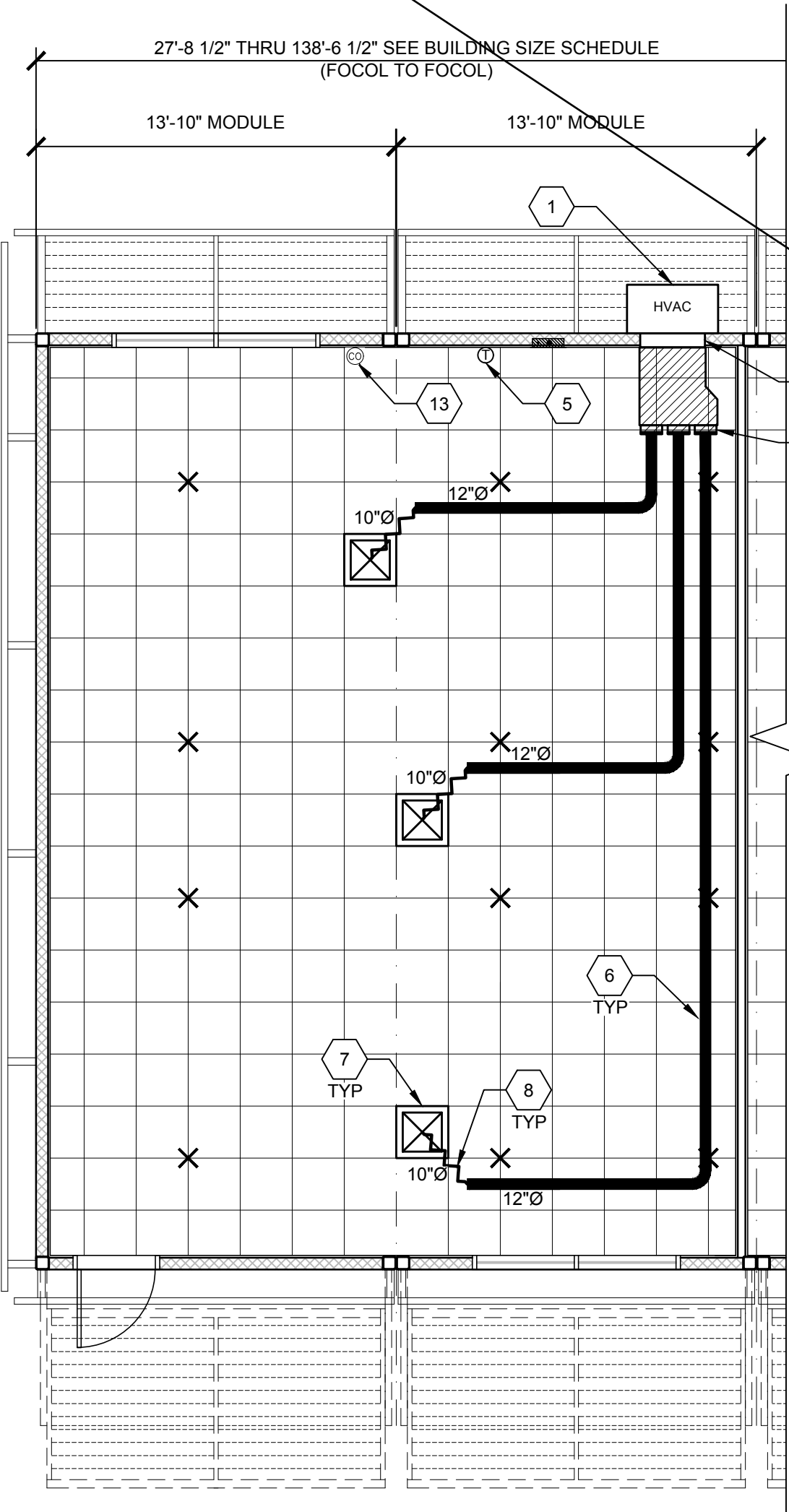
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3

EXHAUST FAN SCHEDULE

BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES



REFER TO SHEET M1.1A-A,
M1.1B-A, M1.1C-A, M1.1D-A,
M1.1E-A & M1.1F-A
FOR SITE-SPECIFIC SHEET

WALL HUNG OPTION

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

1 ROOF MOUNT OPTION

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

2 SPLIT SYSTEM OPTION

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

3 INTERIOR SYSTEM OPTION

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

4

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
- PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.

- EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS: 1. THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS. 2. WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL. 3. A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. 4. THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION. 5. THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER. 6. THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.
- PER ENERGY CODE 120.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

- WALL HUNG HVAC UNIT - SEE 10/M1.4.
- ROOF MOUNT UNIT - SEE 11/M1.4.
- CONDENSER - GROUND MOUNT BY OTHERS.
- AIR HANDLER UNIT (IN ROOM) - SEE 1/M1.5.
- OPTIONAL AIR HANDLER UNIT (ABOVE CEILING) - SEE DETAIL 3/M1.5. INSTALL FRESH AIR INTAKE THRU ROOF INTAKE, PENETRATION PER 2/M1.6 SIM.
- INTERIOR HVAC SYSTEM - SEE 9/M1.4.
- THERMOSTAT - 48" A.F.F, MAX TO TOP OF BOX
- CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
- TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5.
- FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
- RETURN AIR AS PART OF UNIT.
- RETURN AIR REGISTER - SEE 7/M1.5.
- STRUT/SPRAY WIRE ASSEMBLY, SEE 5/M1.4 FOR DETAILS
- HVAC EXTERIOR AIR VENT (SPLIT SYSTEM EXTERIOR AIR VENT FRAMED SEPARATELY FROM DOOR)
- CARBON DIOXIDE MONITOR (SEE NOTE #6 SHEET NOTES)

NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH
☐ 28'x36'	2	0	27'-8 1/2"
☐ 42'x36'	3	1	41'-6 1/4"
☐ 56'x36'	4	2	55'-5"
☐ 70'x36'	5	3	69'-3 1/4"
☐ 84'x36'	6	4	83'-1 1/2"
☐ 98'x36'	7	5	96'-11 1/4"
☐ 112'x36'	8	6	110'-10"
☐ 126'x36'	9	7	112'-8 1/4"
☐ 140'x36'	10	8	138'-6 1/2"

NOTES:

- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2 & S1.3
- REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALLOUTS

BUILDING SIZE SCHEDULE

SHEET NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 05/14/2024

☒ 2022 CBC PRE-CHECK (PC) DOCUMENT
(A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.)
MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
PATRICK CAMPBELL
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

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

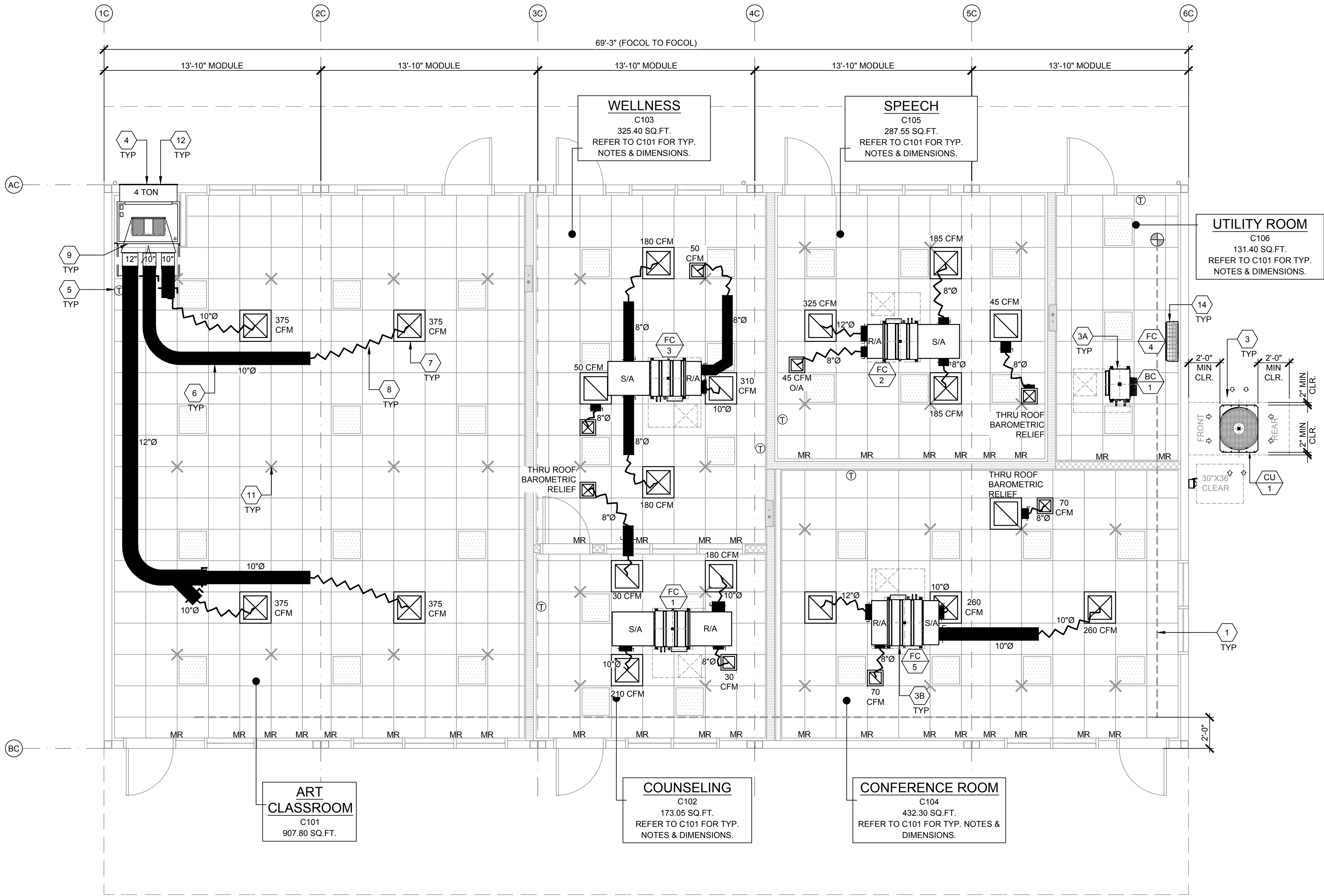
REVISIONS
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DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

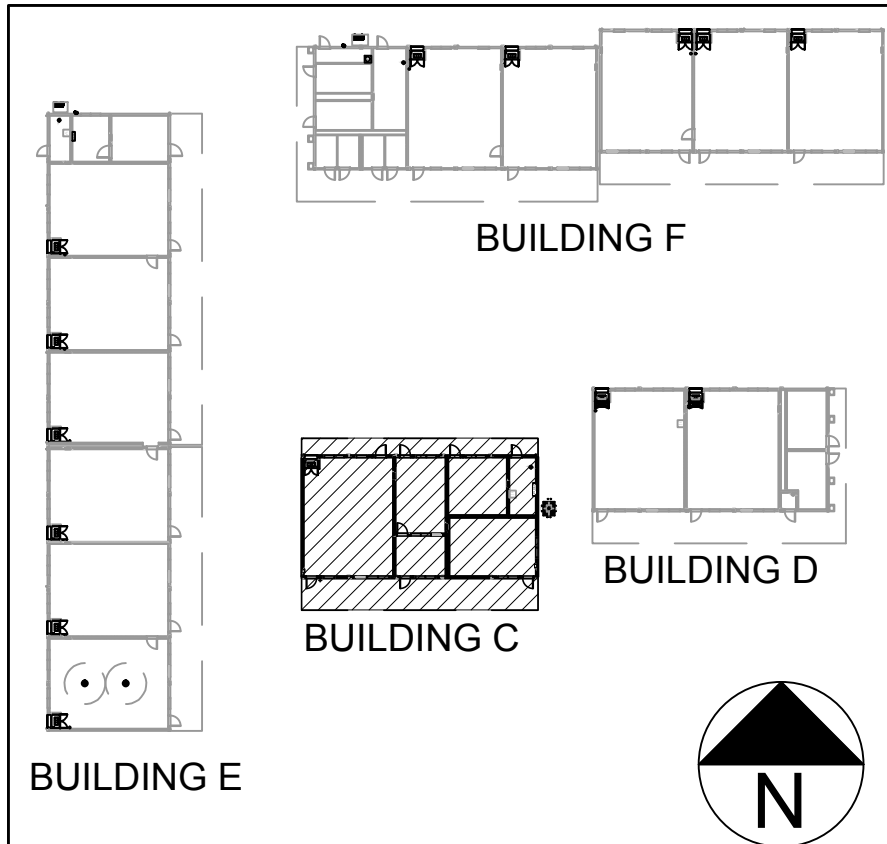
SHEET TITLE:
TYPICAL MECHANICAL PLAN
OPTIONS

SHEET NUMBER:

M1.1A



MARK	DESCRIPTION	CFM	TONS	VOLT/PHASE	MANF/MODEL	WEIGHT
CU 1 BUILDING C	OUTDOOR UNIT 4/5SS8.0 FOR ANCHORAGE DTLS	N/A	6.0	208/230 -3Ø	TRANE TURYP0723AN40A(N/B)	483.0 LBS
CU 2 BUILDING E & F	OUTDOOR UNIT 4/5SS8.0 FOR ANCHORAGE DTLS	N/A	3/4	208/230 -1Ø	CARRIER 38MARBQ09AA3	74.07 LBS
BC 1 BUILDING C	BC CONTROLLER SINGLE - 6 BRANCH 3/M1.5 FOR ANCHORAGE DTLS	N/A	N/A	208/230 -1Ø	TRANE TCMBG0106SJ21N4	64.0 LBS
FC 1 BUILDING C	DUCTED CEILING CONCEALED UNIT 3/M1.5 FOR ANCHORAGE DTLS	176/212/247 LOW/MID/HIGH	0.5	208/230 -1Ø	TRANE TPEFYP006MS140C	42.0 LBS
FC 2 BUILDING C	DUCTED CEILING CONCEALED UNIT 3/M1.5 FOR ANCHORAGE DTLS	211/282/370 LOW/MID/HIGH	1.0	208/230 -1Ø	TRANE TPEFYP012MS140C	46.0 LBS
FC 3 BUILDING C	DUCTED CEILING CONCEALED UNIT 3/M1.5 FOR ANCHORAGE DTLS	211/282/370 LOW/MID/HIGH	1.0	208/230 -1Ø	TRANE TPEFYP012MS140C	46.0 LBS
FC 4 BUILDING C	WALL MOUNTED INDOOR UNIT 2/M1.0A-A FOR ANCHORAGE DTLS	152/191/244/297	1.0	208/230 -1Ø	TRANE TPKFYP012LM140B	24.5 LBS
FC 5 BUILDING C	DUCTED CEILING CONCEALED UNIT 3/M1.5 FOR ANCHORAGE DTLS	353/441/529 LOW/MID/HIGH	1.5	208/230 -1Ø	TRANE TPEFYP018MS140C	54.0 LBS
FC 6 BUILDING E & F	WALL MOUNTED INDOOR UNIT 2/M1.0A-A FOR ANCHORAGE DTLS	176/229/335/382	3/4	208/230 -1Ø	CARRIER 40MAHBQ09XA3	22.71 LBS



MECHANICAL PLAN - BUILDING C

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
- PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.
- ROOF MOUNTED HVAC UNITS MUST HAVE AN INTERNAL DISCONNECT AND INCLUDE A WEATHER PROOF GCFI PROTECTED SERVICE OUTLET

- EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS:
 - THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS.
 - WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.
 - A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.
 - THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION.
 - THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.
 - THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.
- PER ENERGY CODE 120.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY FEATURE UNDER ENERGY CODE SECTION 120.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

- FIRE SPRINKLER MAIN LINE
- NOT USED
- OUTDOOR VRF HEAT RECOVERY SYSTEM - SEE EQUIPMENT SCHEDULE
- BC CONTROLLER - SEE EQUIPMENT SCHEDULE
- CEILING-CONCEALED (DUCTED) INDOOR UNIT - SEE EQUIPMENT SCHEDULE
- INTERIOR HVAC SYSTEM - SEE 9/M1.4.
- THERMOSTAT - 48" A.F.F., MAX TO TOP OF BOX
- CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
- TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5.
- FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
- RETURN AIR AS PART OF UNIT.
- NOT USED
- STRUT/SLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS
- HVAC EXTERIOR AIR VENT (SPLIT SYSTEM EXTERIOR AIR VENT FRAMED SEPARATELY FROM DOOR)
- NOT USED
- WALL MOUNTED AIR CONDITIONING SYSTEM (MINI SPLIT SYSTEM) - SEE EQUIPMENT SCHEDULE

NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

KEY NOTES

KEY MAP

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
28'x36'	2	0	27'-8 1/2"
42'x36'	3	1	41'-6 3/4"
56'x36'	4	2	55'-5"
70'x36'	5	3	69'-3 1/4"
84'x36'	6	4	83'-1 1/2"
98'x36'	7	5	96'-11 3/4"
112'x36'	8	6	110'-10"
126'x36'	9	7	112'-6 3/4"
140'x36'	10	8	138'-6 1/2"

NOTES:

- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1A-A
- REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALLOUTS

BUILDING SIZE SCHEDULE

SHEET NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

GEN7
by AMS

SITE SPECIFIC PROJECT NAME

PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

Patricia C. Lundy
No. C12631
Ren. 3-31-27
STATE OF CALIFORNIA

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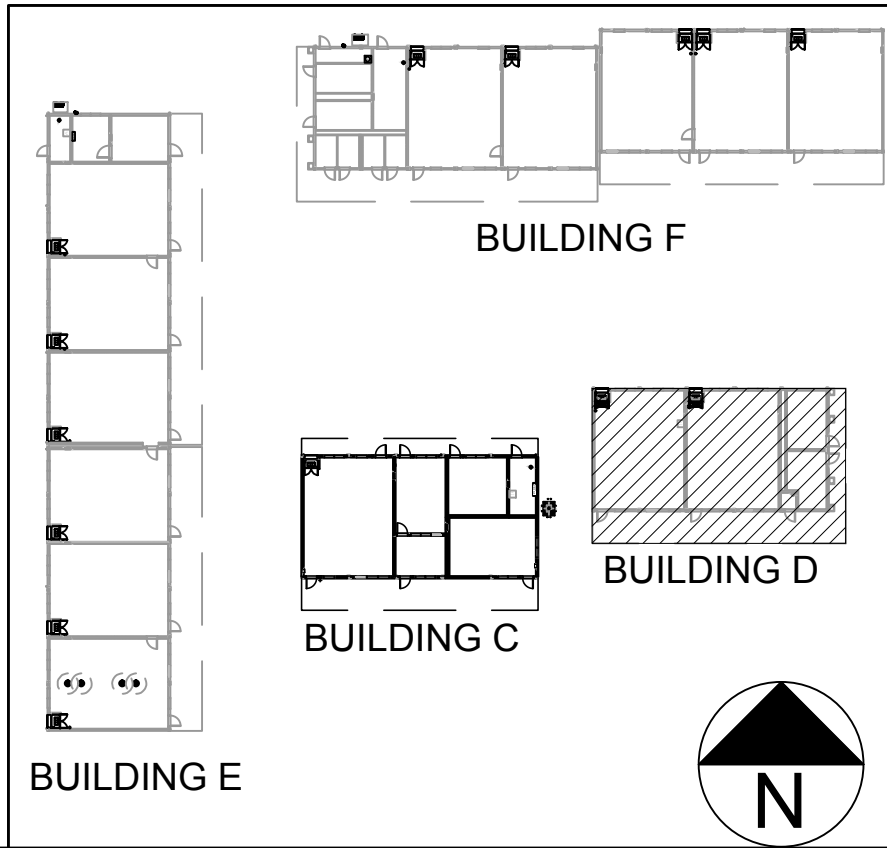
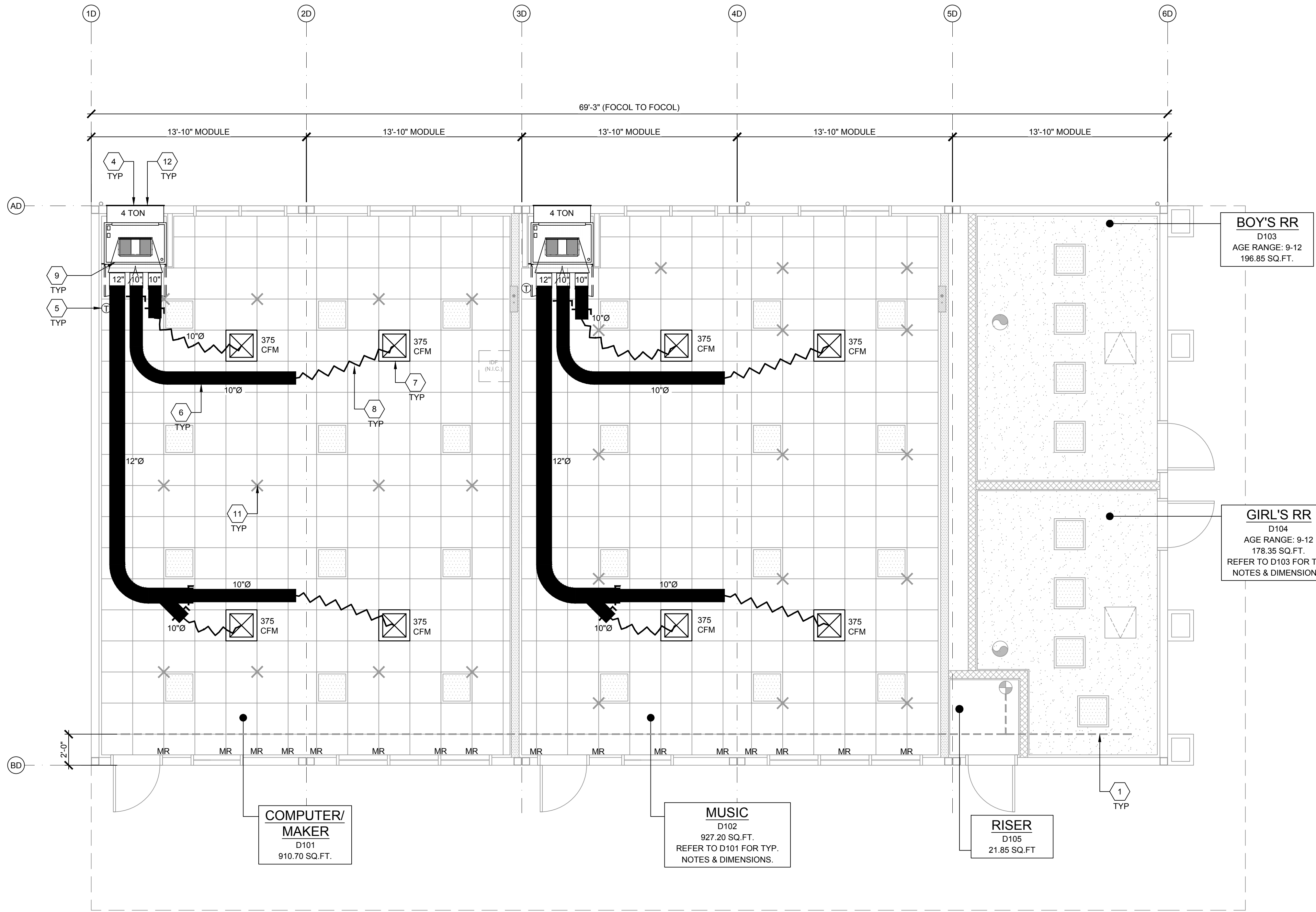
DRAWN BY: AV
SCALE: AS NOTED
DATE: 3/13/26
PROJECT NO: 1902-24

SHEET TITLE:

MECHANICAL PLAN
OPTIONS
BUILDING C

SHEET NUMBER:

M1.1A-A



MECHANICAL PLAN - BUILDING D

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
- AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
- PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.
- ROOF MOUNTED HVAC UNITS MUST HAVE AN INTERNAL DISCONNECT AND INCLUDE A WEATHER PROOF GCFI PROTECTED SERVICE OUTLET

- EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS:
 - THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS.
 - WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.
 - A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.
 - THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION.
 - THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.
 - THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.
 - PER ENERGY CODE 120.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

- FIRE SPRINKLER MAIN LINE
- NOT USED
- NOT USED
- NOT USED
- INTERIOR HVAC SYSTEM - SEE 9/M1.4.
- THERMOSTAT - 48" A.F.F., MAX TO TOP OF BOX
- CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.
- TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5.
- FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.
- RETURN AIR AS PART OF UNIT.
- NOT USED
- STRUT/SLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS
- HVAC EXTERIOR AIR VENT (SPLIT SYSTEM EXTERIOR AIR VENT FRAMED SEPARATELY FROM DOOR)
- NOT USED

NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

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

KEY MAP

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
28'x36'	2	0	27'-8 ¹ / ₂ "
42'x36'	3	1	41'-6 ³ / ₄ "
56'x36'	4	2	55'-5"
70'x36'	5	3	69'-3 ¹ / ₄ "
84'x36'	6	4	83'-1 ¹ / ₂ "
98'x36'	7	5	96'-11 ³ / ₄ "
112'x36'	8	6	110'-10"
126'x36'	9	7	112'-8 ¹ / ₄ "
140'x36'	10	8	138'-6 ¹ / ₂ "

NOTES:

- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1B-A
- REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALLOUTS

SHEET NOTES

KEY NOTES

BUILDING SIZE SCHEDULE

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APP: 03-125476 INC:
REVIEWED FOR
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DATE: 05/07/2026

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

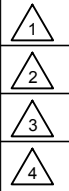
SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

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REVISIONS



DRAWN BY: AV

SCALE: AS NOTED

DATE: 2/23/26

PROJECT NO: 1902-24

SHEET TITLE:

MECHANICAL PLAN
OPTIONS
BUILDING D

SHEET NUMBER:

M1.1B-A

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM
2. AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
3. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION 2.)
4. LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
5. FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
6. PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.
7. ROOF MOUNTED HVAC UNITS MUST HAVE AN INTERNAL DISCONNECT AND INCLUDE A WEATHER PROOF GCFI PROTECTED SERVICE OUTLET

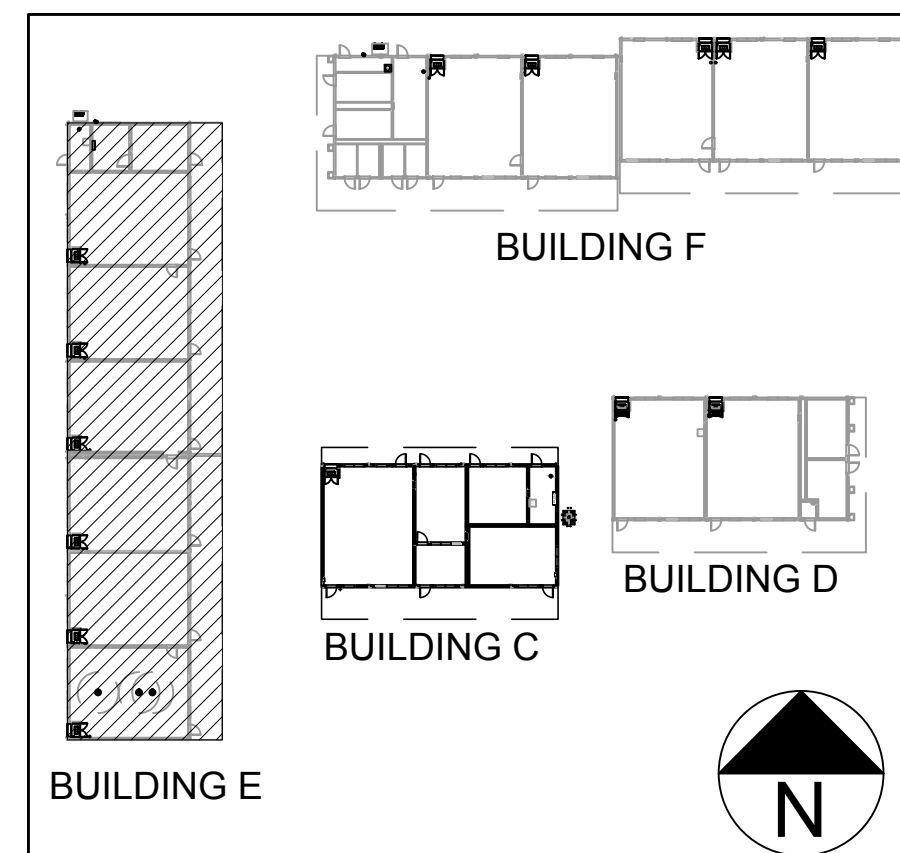
1. THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS.
2. WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.
3. A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,000 PPM. IF A SENSOR IS INTEGRAL TO AN EMCS, THE SAME NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.
4. THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS.
5. THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.
6. THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.
9. PER ENERGY CODE 220.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUOUSLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE REQUIRED. THE MONITOR OR SENSOR SHALL BE INSTALLED IN A LOCATION THAT PROVIDES THE MOST THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 220.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE FOR OCCUPANCY SENSORS THAT ALLOWS THEM TO TURN OFF THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

- | | |
|----|---|
| 3 | NOT USED |
| 3A | NOT USED |
| 3B | NOT USED |
| 4 | INTERIOR HVAC SYSTEM - SEE 9/M1.4. |
| 5 | THERMOSTAT - 48" A.F.F. MAX TO TOP OF BOX |
| 6 | CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4. |
| 7 | TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5. |
| 8 | FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5. |
| 9 | RETURN AIR AS PART OF UNIT. |
| 10 | NOT USED |
| 11 | STRUT/SLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS |
| 12 | HVAC EXTERIOR AIR VENT (SPLIT SYSTEM EXTERIOR AIR VENT FRAMED SEPARATELY FROM DOOR) |
| 13 | NOT USED |

NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH
☐ 28'x36'	2	0	27'-8½"
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☐ 56'x36'	4	2	55'-5"
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☐ 98'x36'	7	5	96'-11¾"
☐ 112'x36'	8	6	110'-10"
☐ 126'x36'	9	7	112'-8¾"
☐ 140'x36'	10	8	138'-6½"

- NOTES:
1. TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1C-A
 2. REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALLOUTS



KEY MAP



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PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)



SITE SPECIFIC PROJECT NAME

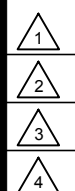
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REVISIONS



DRAWN BY: AV

SCALE: AS NOTE

DATE: 3/1

PROJECT NO: 1902-2

SHEET TITLE:

MECHANICAL PLAN
OPTIONS
BUILDING E

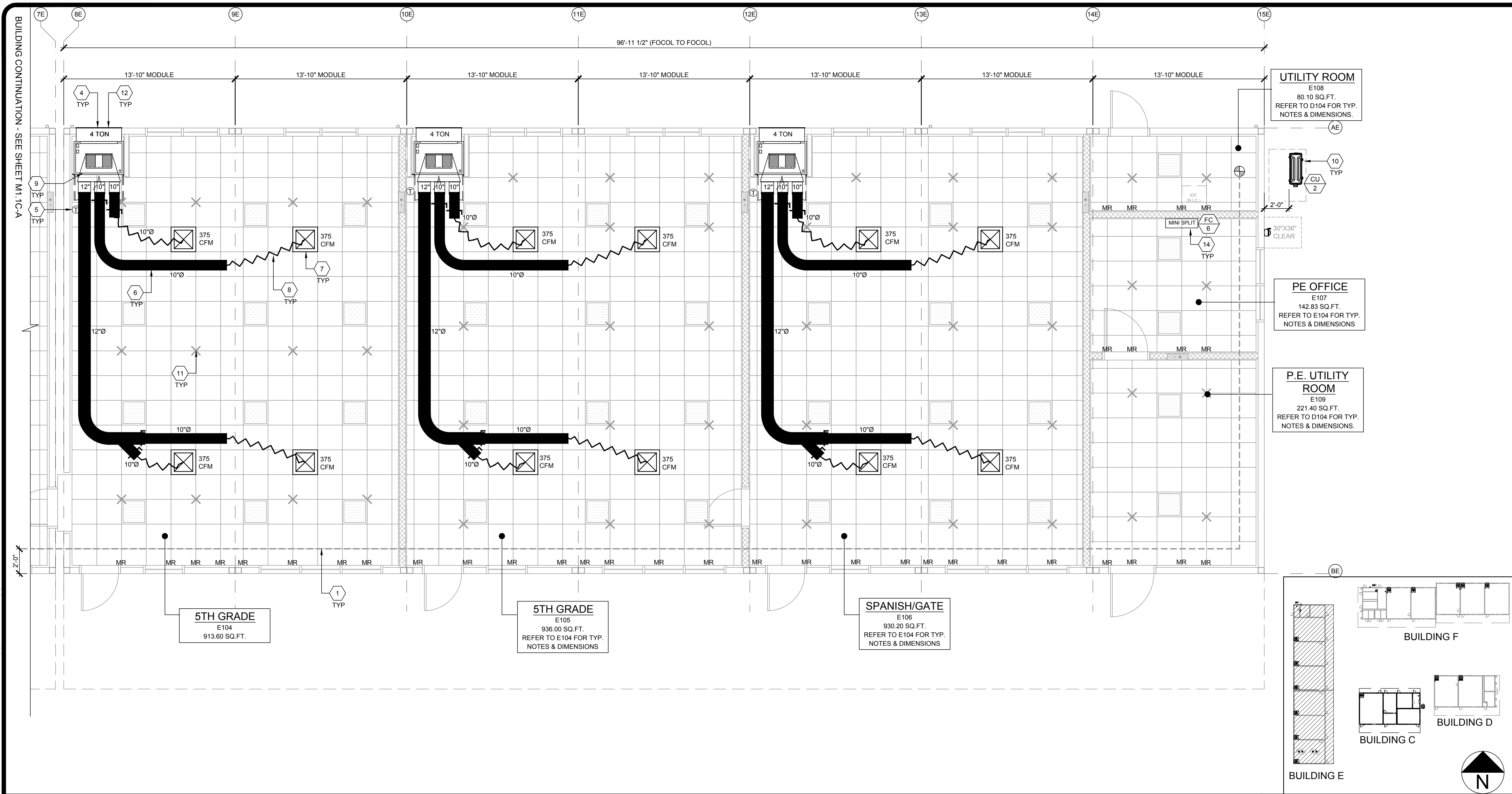
SHEET NUMBER

M1.1C-A

SHEET NOTES

KEY NOTES

BUILDING SIZE SCHEDULE



MECHANICAL PLAN - BUILDING E

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
 - AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
 - AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
 - LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
 - FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
 - PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.
 - ROOF MOUNTED HVAC UNITS MUST HAVE AN INTERNAL DISCONNECT AND INCLUDE A WEATHER PROOF GCFI PROTECTED SERVICE OUTLET
- EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS:
 - THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS.
 - WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.
 - A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.
 - THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION.
 - THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.
 - THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.
 - PER ENERGY CODE 120.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

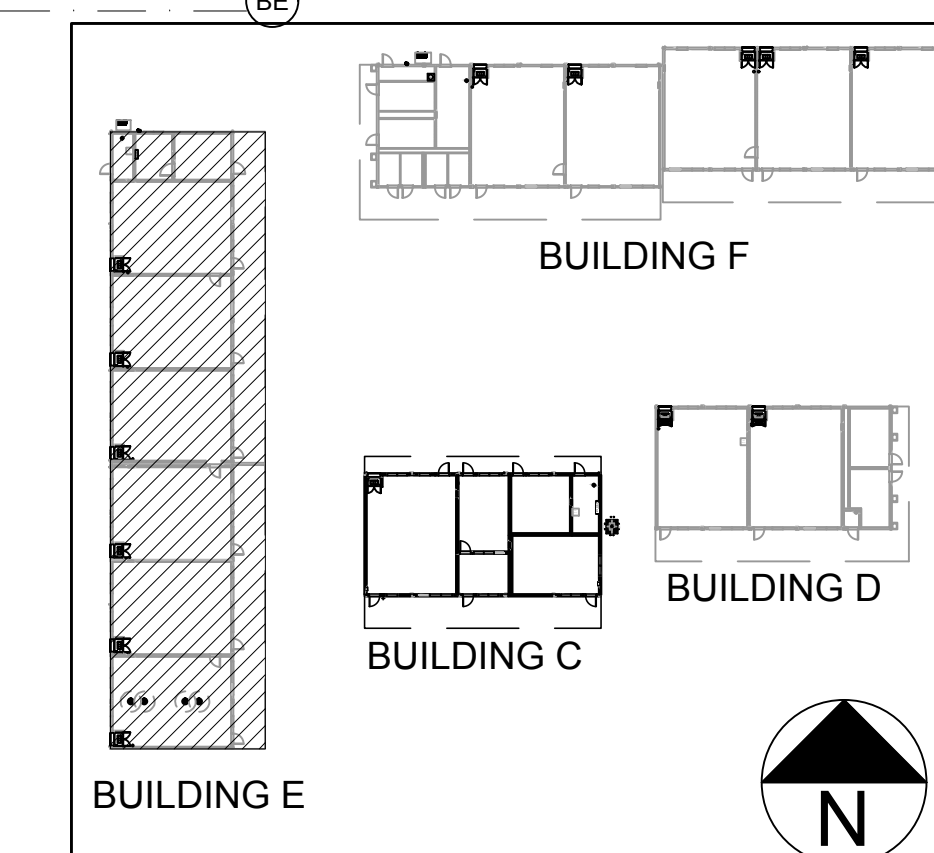
- FIRE SPRINKLER MAIN LINE
 - NOT USED
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 - RETURN AIR AS PART OF UNIT.
 - CONDENSER
 - STRUT/SLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS
 - HVAC EXTERIOR AIR VENT (SPLIT SYSTEM EXTERIOR AIR VENT FRAMED SEPARATELY FROM DOOR)
 - NOT USED
 - WALL MOUNTED AIR CONDITIONING SYSTEM (MINI SPLIT SYSTEM) - SEE EQUIPMENT SCHEDULE
- NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1

KEY NOTES

BUILDING SIZE SCHEDULE			
BUILDING SIZE (FT)	TOTAL # OF 14'-0" WIDE MODULES	TOTAL # OF CENTER MODULES	OVERALL BUILDING WIDTH ¹
☐ 28'x36'	2	0	27'-8 1/2"
☐ 42'x36'	3	1	41'-6 3/4"
☐ 56'x36'	4	2	55'-5"
☐ 70'x36'	5	3	69'-3 1/4"
☒ 84'x36'	6	4	83'-1 1/2"
☒ 98'x36'	7	5	96'-11 3/4"
☐ 112'x36'	8	6	110'-10"
☐ 126'x36'	9	7	112'-6 3/4"
☐ 140'x36'	10	8	138'-6 1/2"

- NOTES:
- TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.1D-A
 - REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALLOUTS

BUILDING SIZE SCHEDULE



KEY MAP

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APP: 03-125476 INC:
REVIEWED FOR
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DATE: 05/07/2026

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

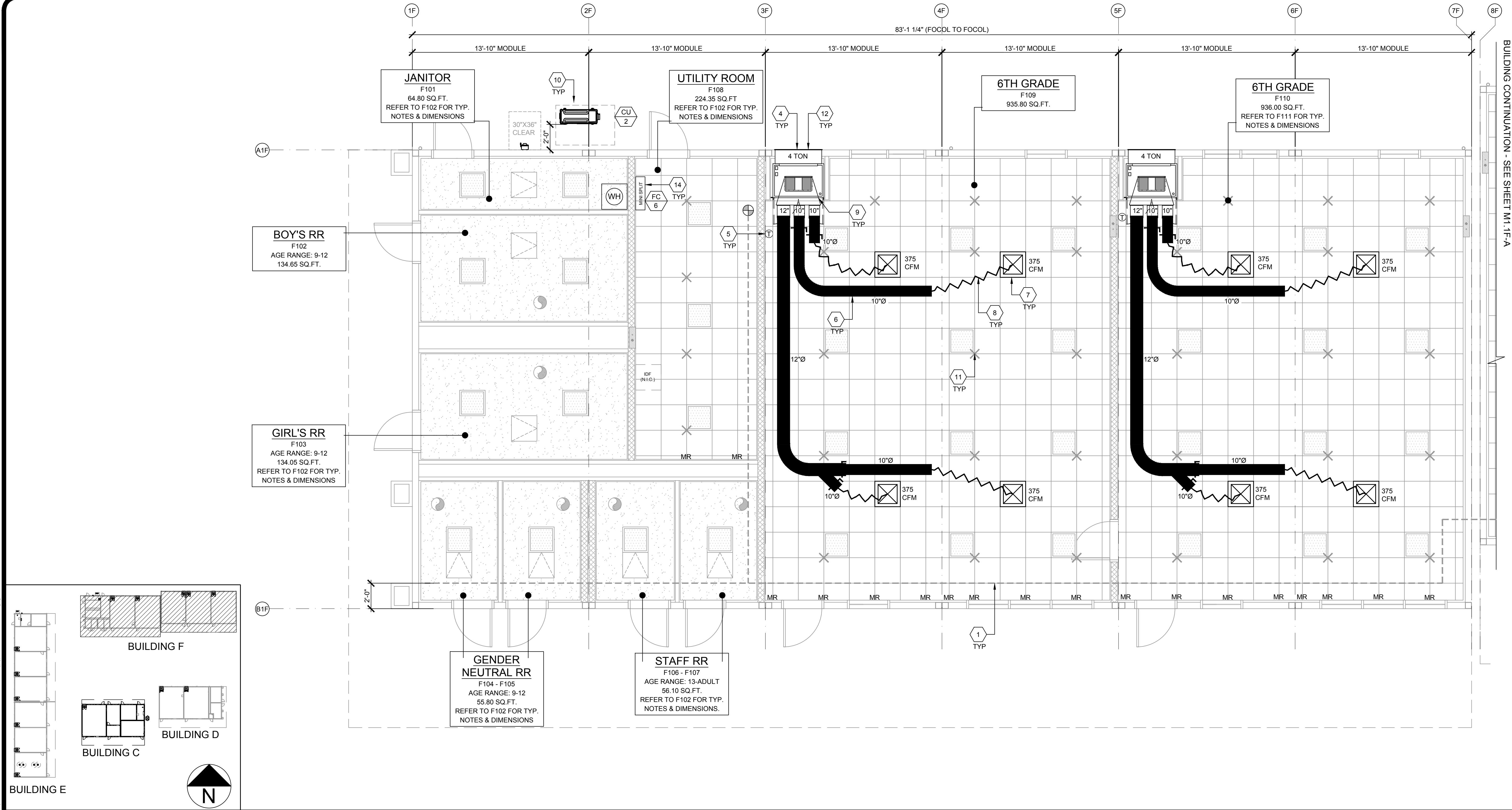
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SCALE: AS NOTED
DATE: 2/23/26
PROJECT NO: 1902-24
SHEET TITLE:
MECHANICAL PLAN
OPTIONS
BUILDING E
SHEET NUMBER:

M1.1D-A



KEY MAP MECHANICAL PLAN - BUILDING F

1. WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.

2. AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.

3. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)

4. LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.

5. FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.

6. PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.

7. ROOF MOUNTED HVAC UNITS MUST HAVE AN INTERNAL DISCONNECT AND INCLUDE A WEATHER PROOF GCFI PROTECTED SERVICE OUTLET
8. EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS:

1. THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS.

2. WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL.

3. A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM.

4. THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION.

5. THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER.

6. THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.

9. PER ENERGY CODE 120.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(E). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.
- 1 FIRE SPRINKLER MAIN LINE

2 NOT USED

3 NOT USED

3A NOT USED

3B NOT JUSED

4 INTERIOR HVAC SYSTEM - SEE 9/M1.4.

5 THERMOSTAT - 48" A.F.F, MAX TO TOP OF BOX

6 CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4.

7 TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5.

8 FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.

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10 CONDENSER

11 STRUT/SLAY WIRE ASSEMBLY, SEE 3/M1.4 FOR DETAILS

12 HVAC EXTERIOR AIR VENT (SPLIT SYSTEM EXTERIOR AIR VENT FRAMED SEPARATELY FROM DOOR)

13 NOT USED

14 WALL MOUNTED AIR CONDITIONING SYSTEM (MINI SPLIT SYSTEM) - SEE EQUIPMENT SCHEDULE

NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1
- | BUILDING SIZE SCHEDULE | | | |
|--|--------------------------------|---------------------------|-------------------------|
| BUILDING SIZE (FT) | TOTAL # OF 14'-0" WIDE MODULES | TOTAL # OF CENTER MODULES | OVERALL BUILDING WIDTH¹ |
| ☐ 28'x36' | 2 | 0 | 27'-8½" |
| ☐ 42'x36' | 3 | 1 | 41'-6¾" |
| ☐ 56'x36' | 4 | 2 | 55'-5" |
| ☐ 70'x36' | 5 | 3 | 69'-3¼" |
| ☐ 84'x36' | 6 | 4 | 83'-1½" |
| ☐ 98'x36' | 7 | 5 | 96'-11¾" |
| ☐ 112'x36' | 8 | 6 | 110'-10" |
| ☐ 126'x36' | 9 | 7 | 112'-8¾" |
| ☒ 140'x36' | 10 | 8 | 138'-6½" |

NOTES:

TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SCHEDULE S1.1E-A

1. REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALLOUTS

SHEET NOTES KEY NOTES BUILDING SIZE SCHEDULE

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(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
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(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

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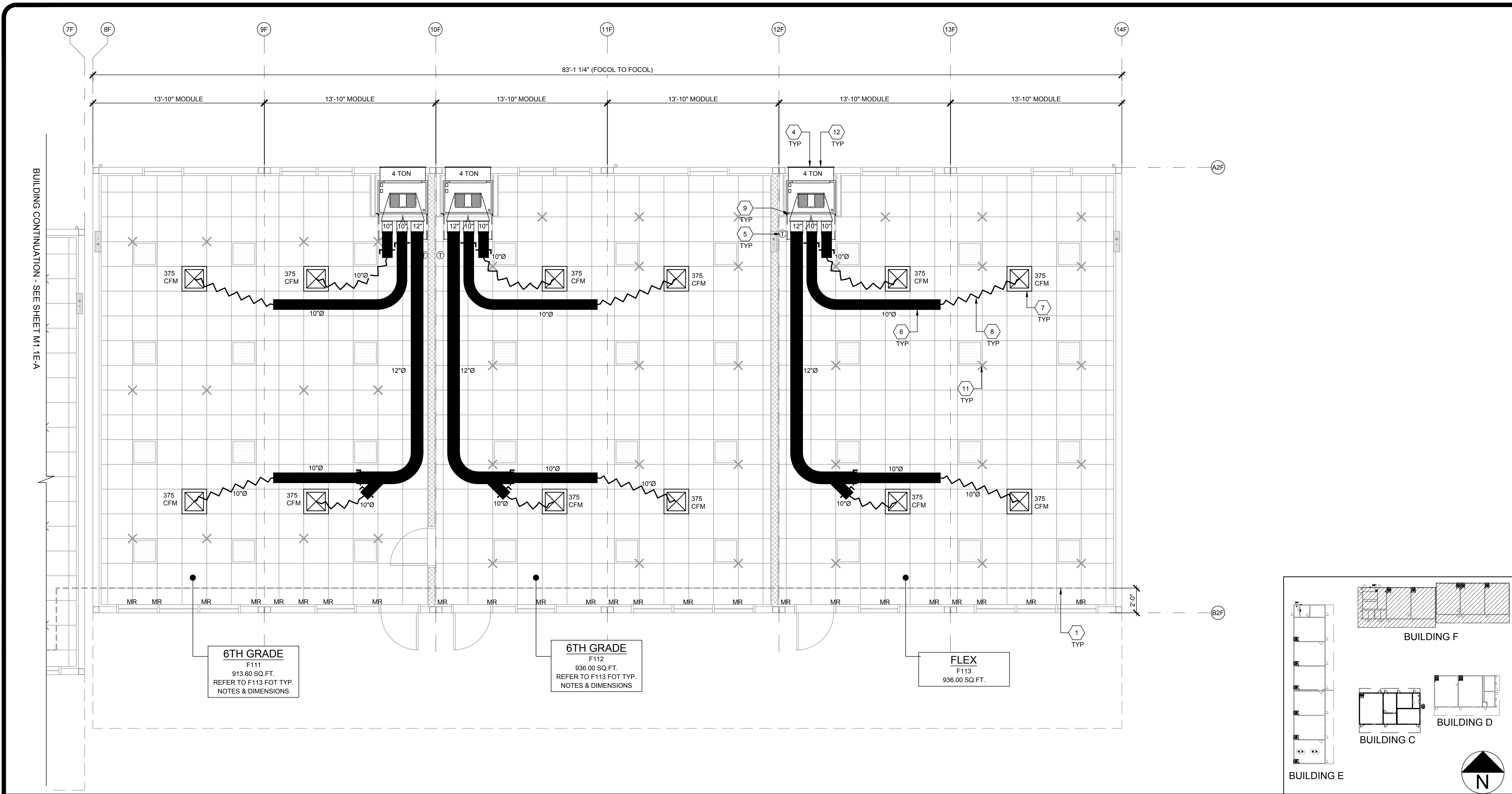
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SCALE: AS NOTED
DATE: 2/23/26
PROJECT NO: 1902-24
SHEET TITLE:

MECHANICAL PLAN
OPTIONS
BUILDING F

SHEET NUMBER:

M1.1E-A



MECHANICAL PLAN - BUILDING F

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM.
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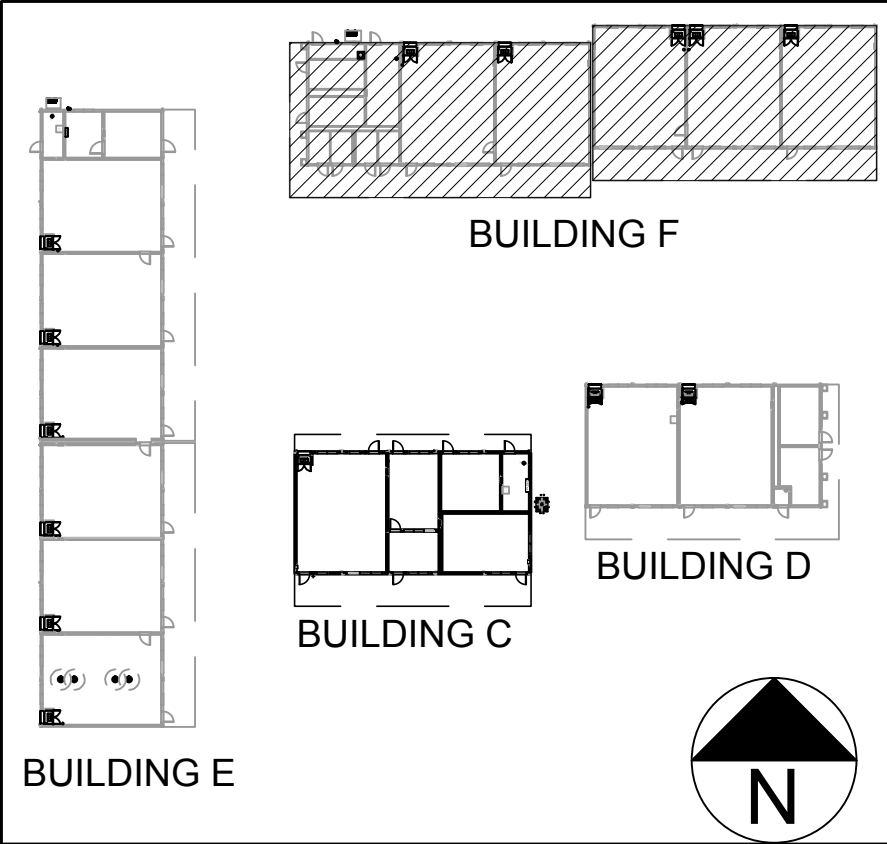
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KEY NOTES

BUILDING SIZE SCHEDULE			
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BUILDING SIZE SCHEDULE



KEY MAP

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DATE: 05/07/2026

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Ren. 3-31-27
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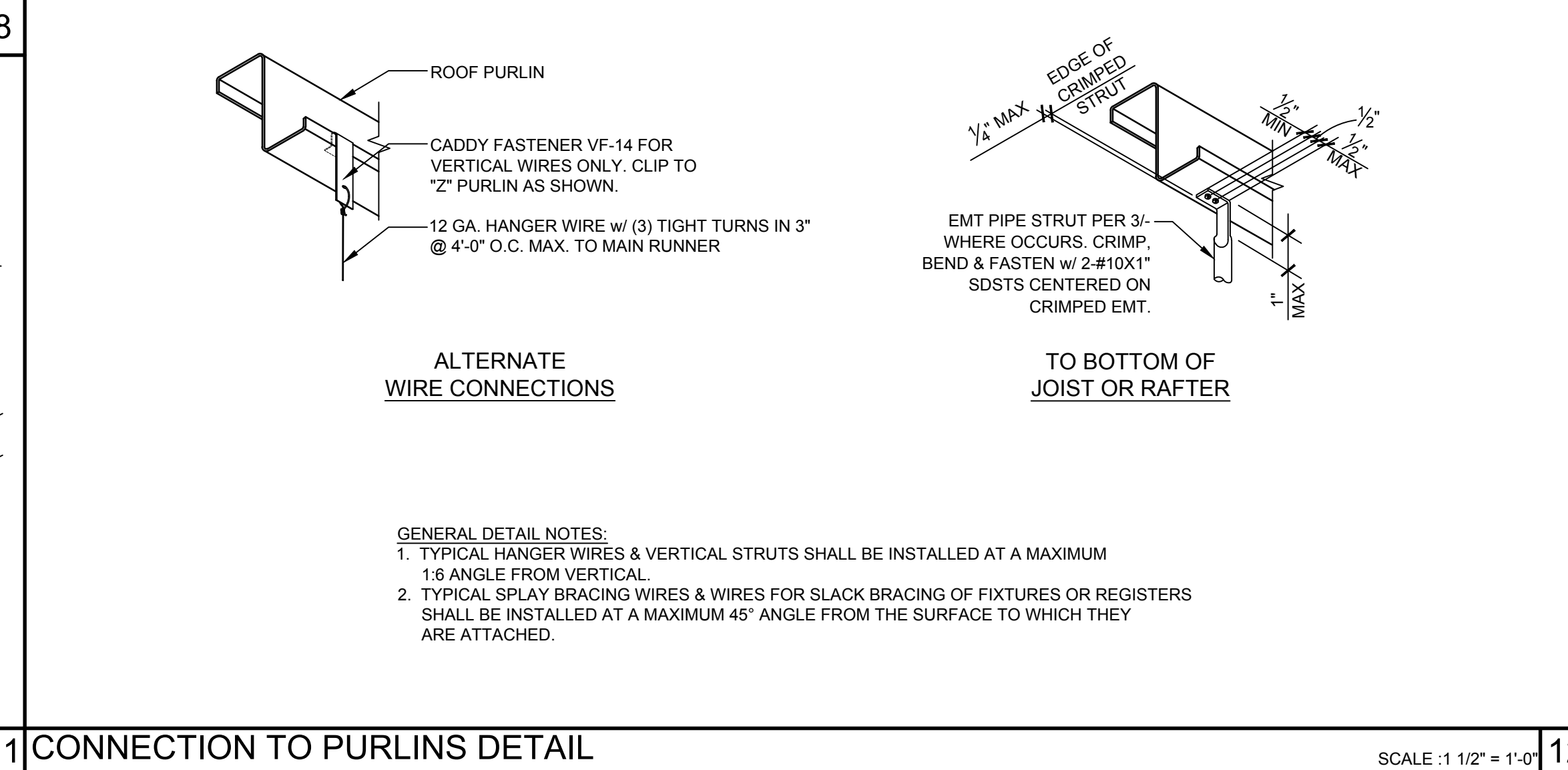
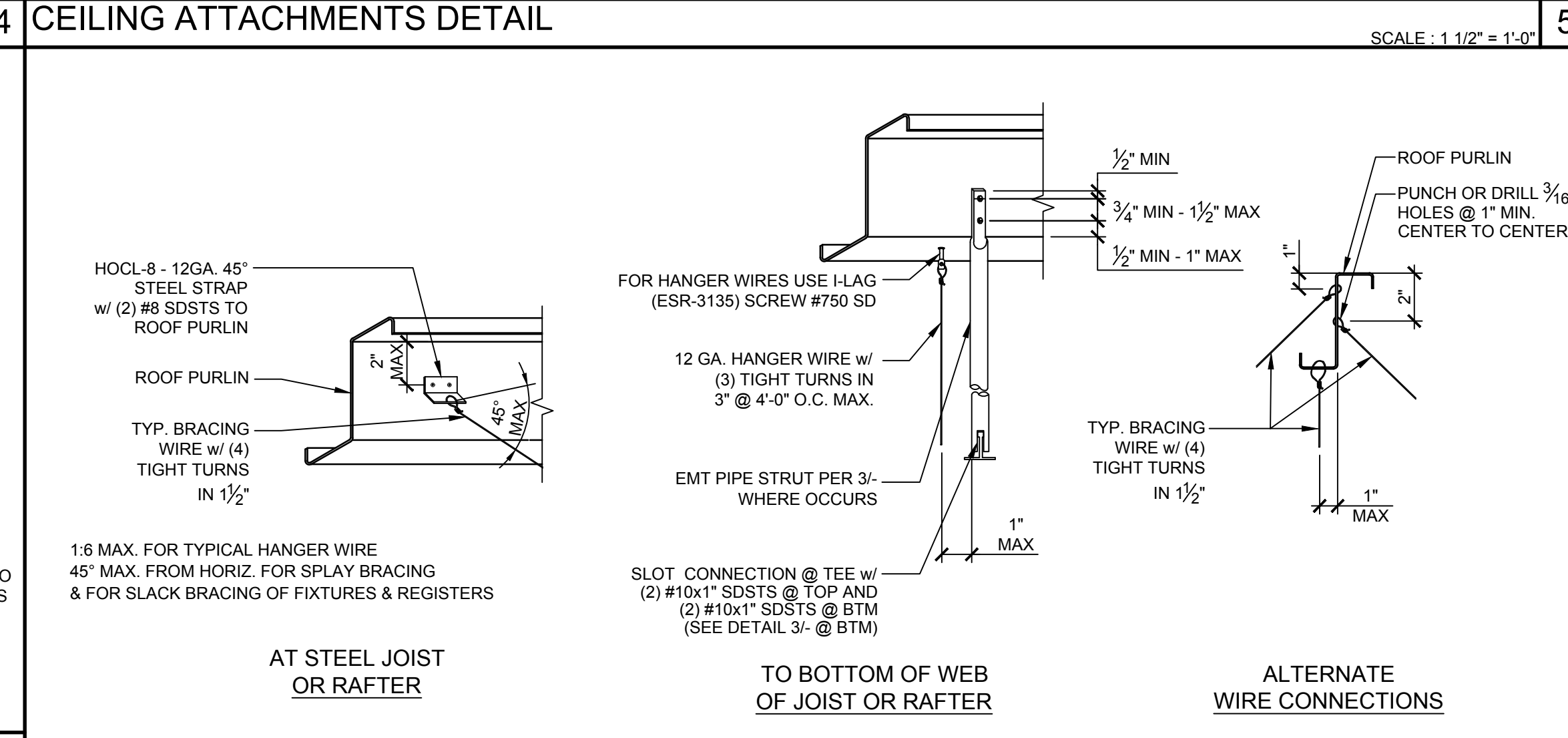
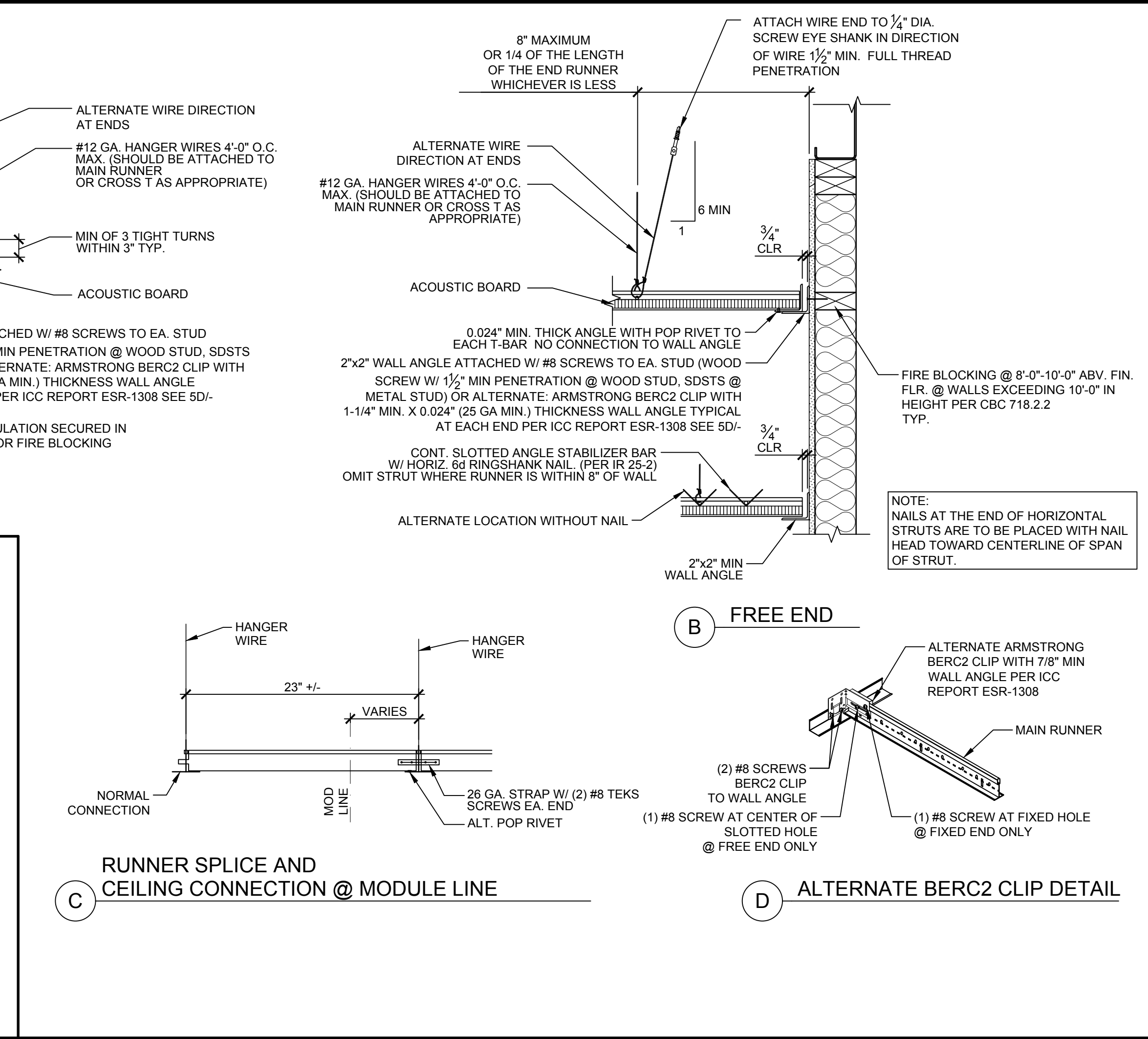
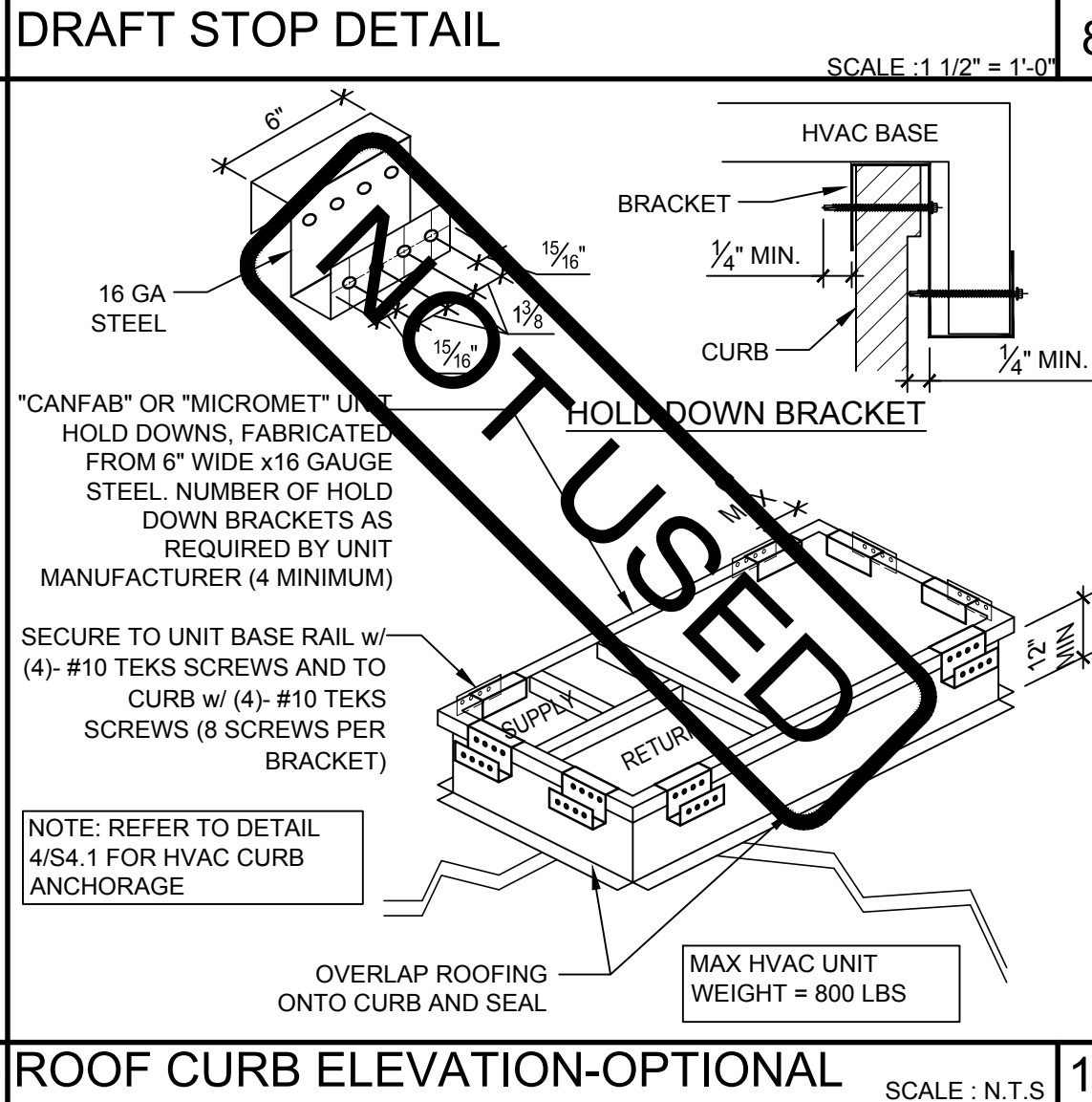
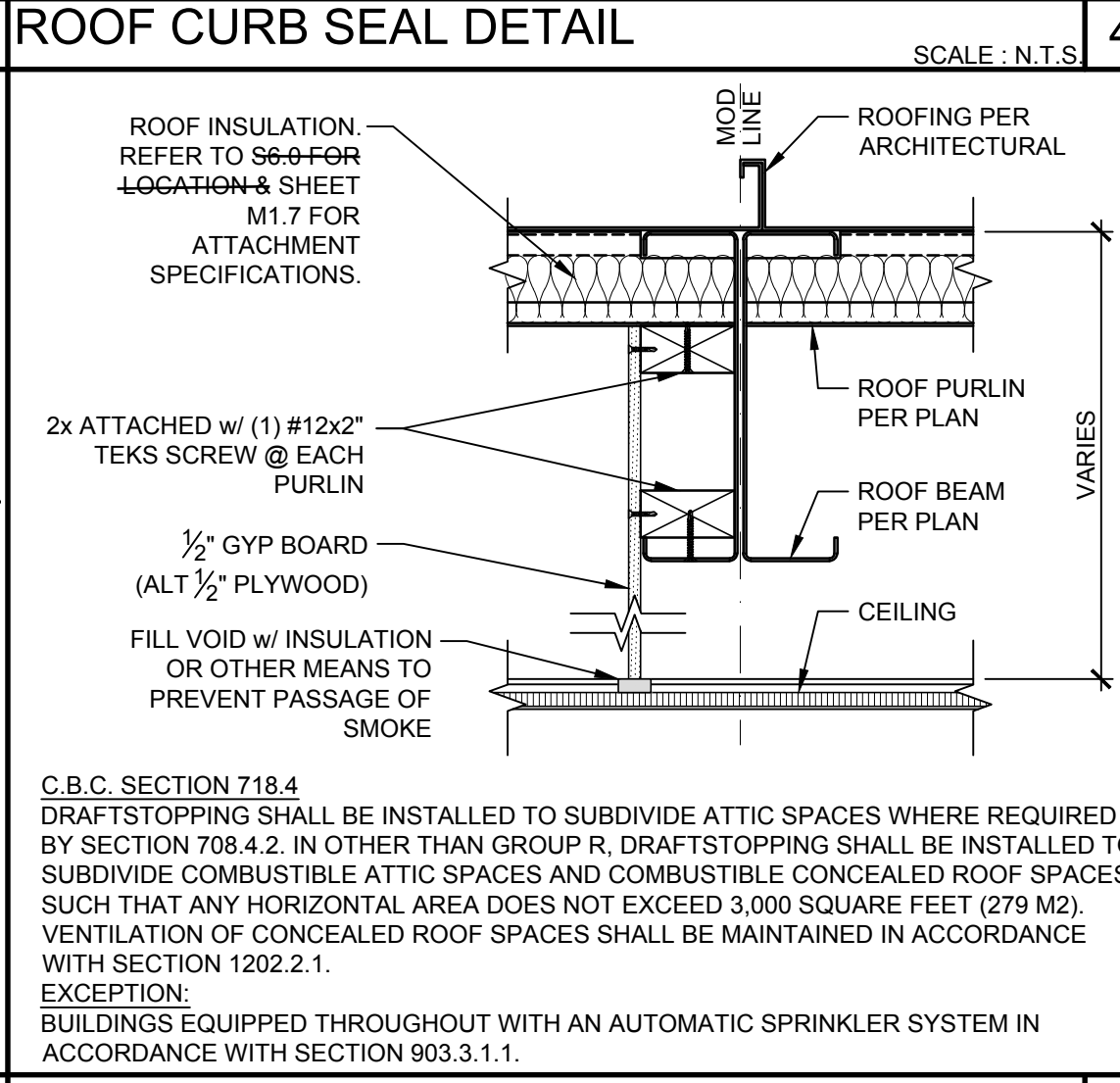
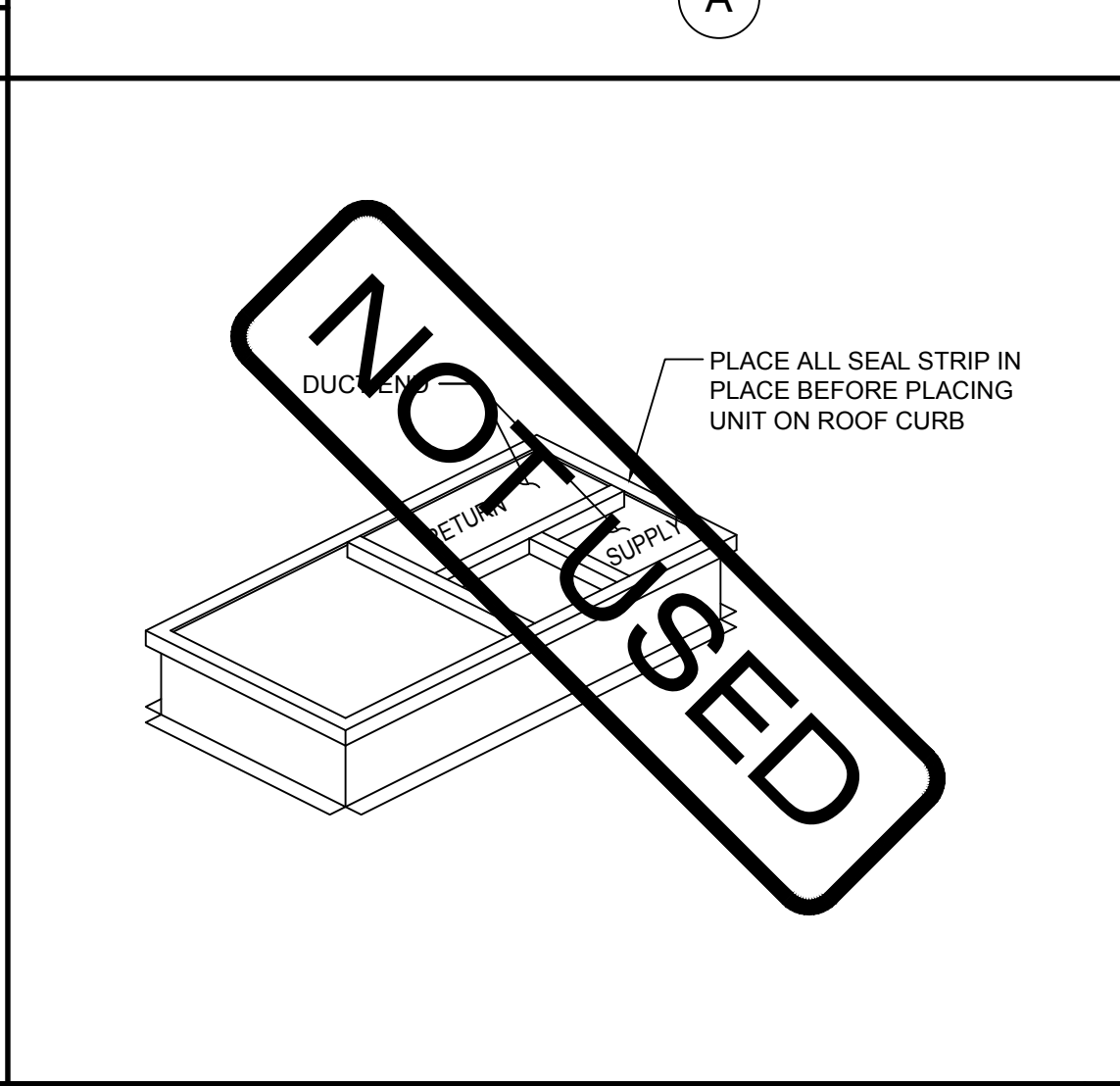
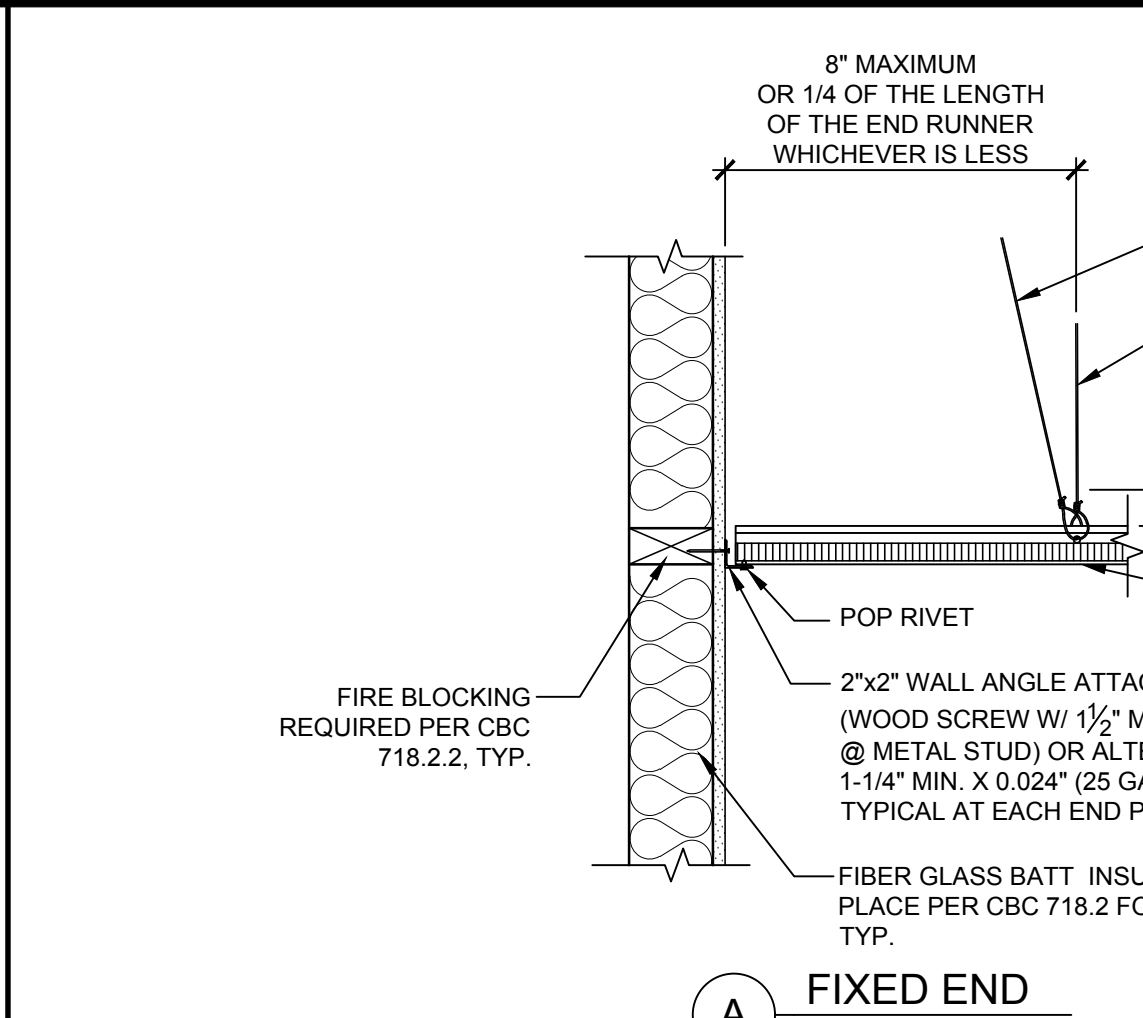
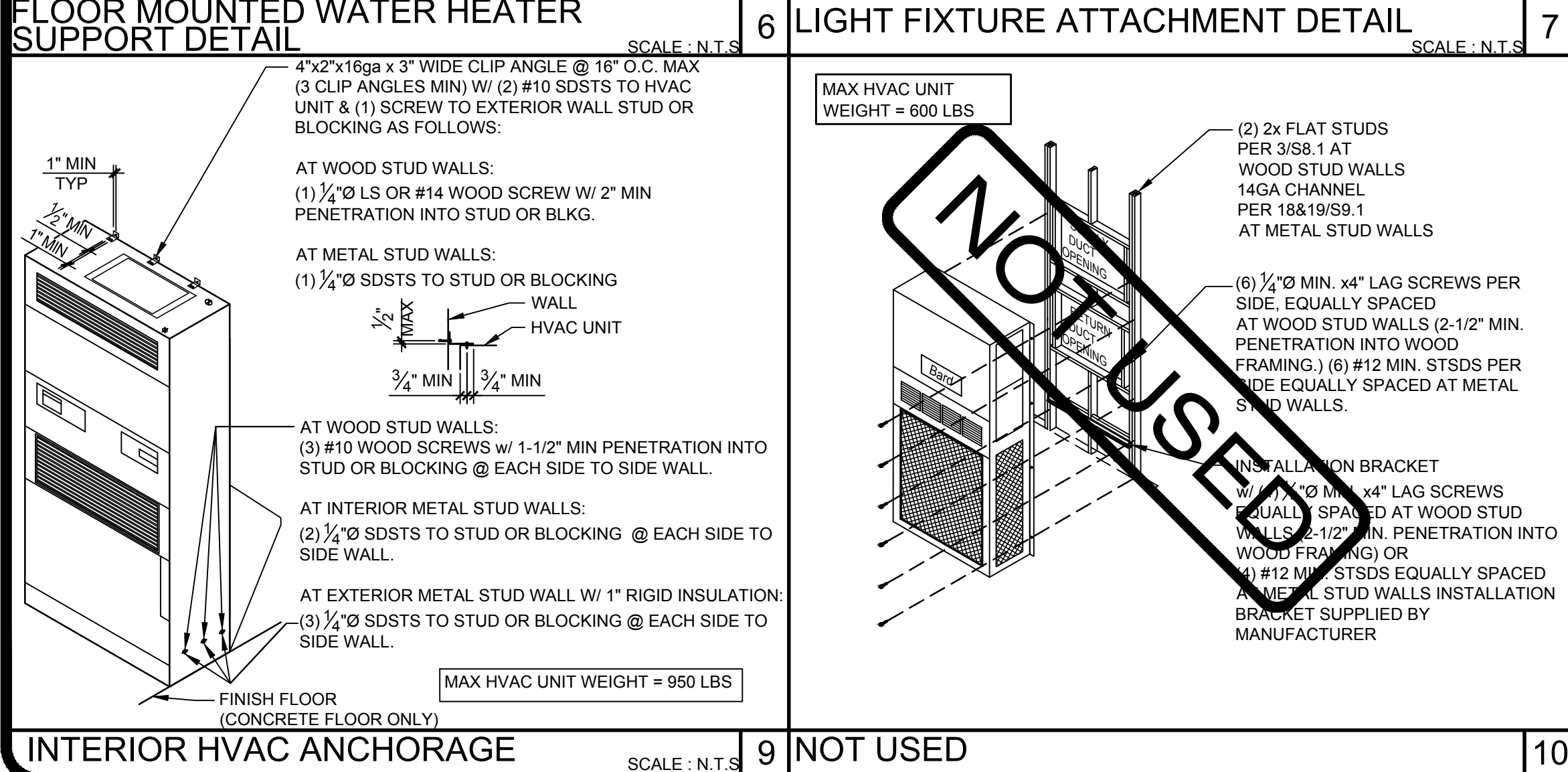
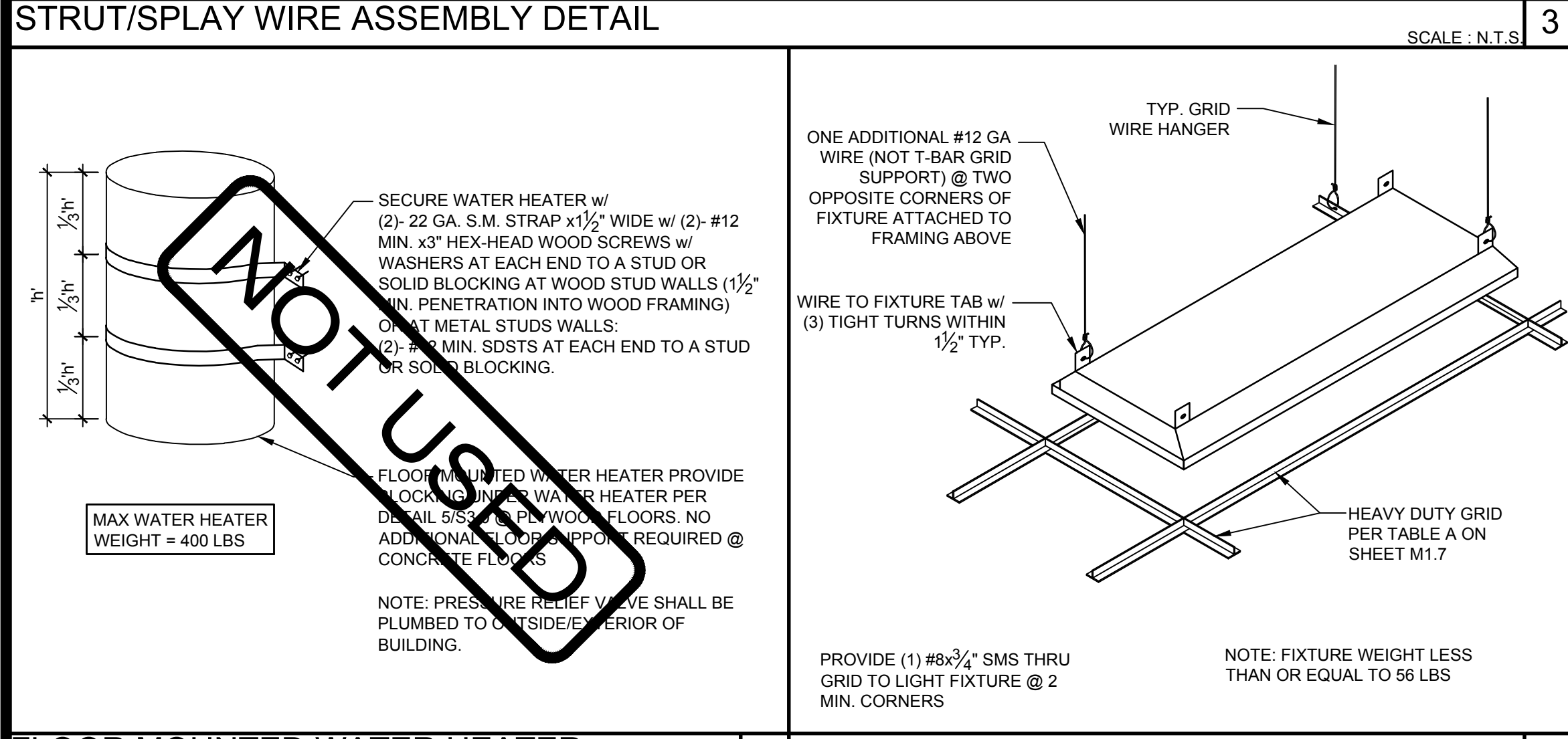
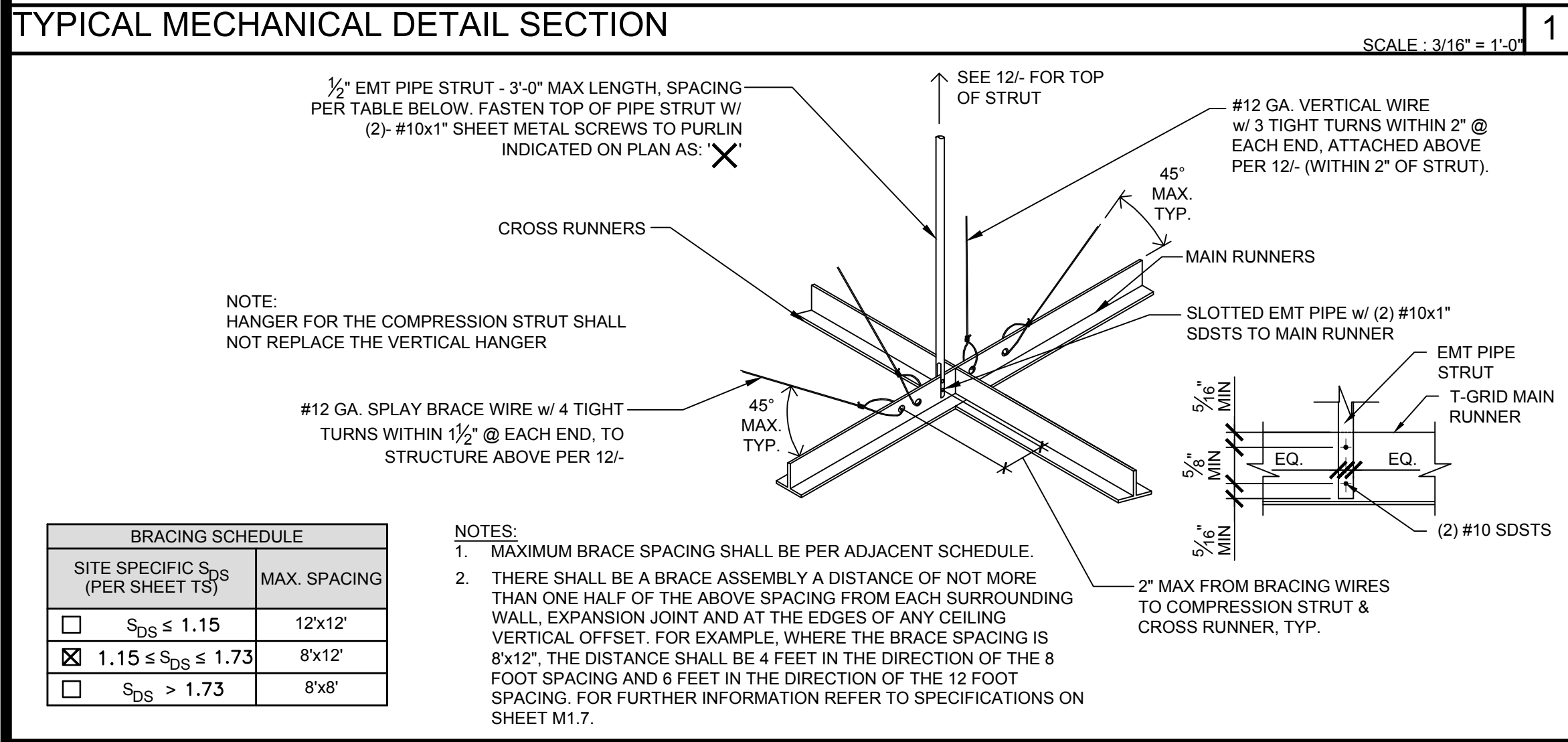
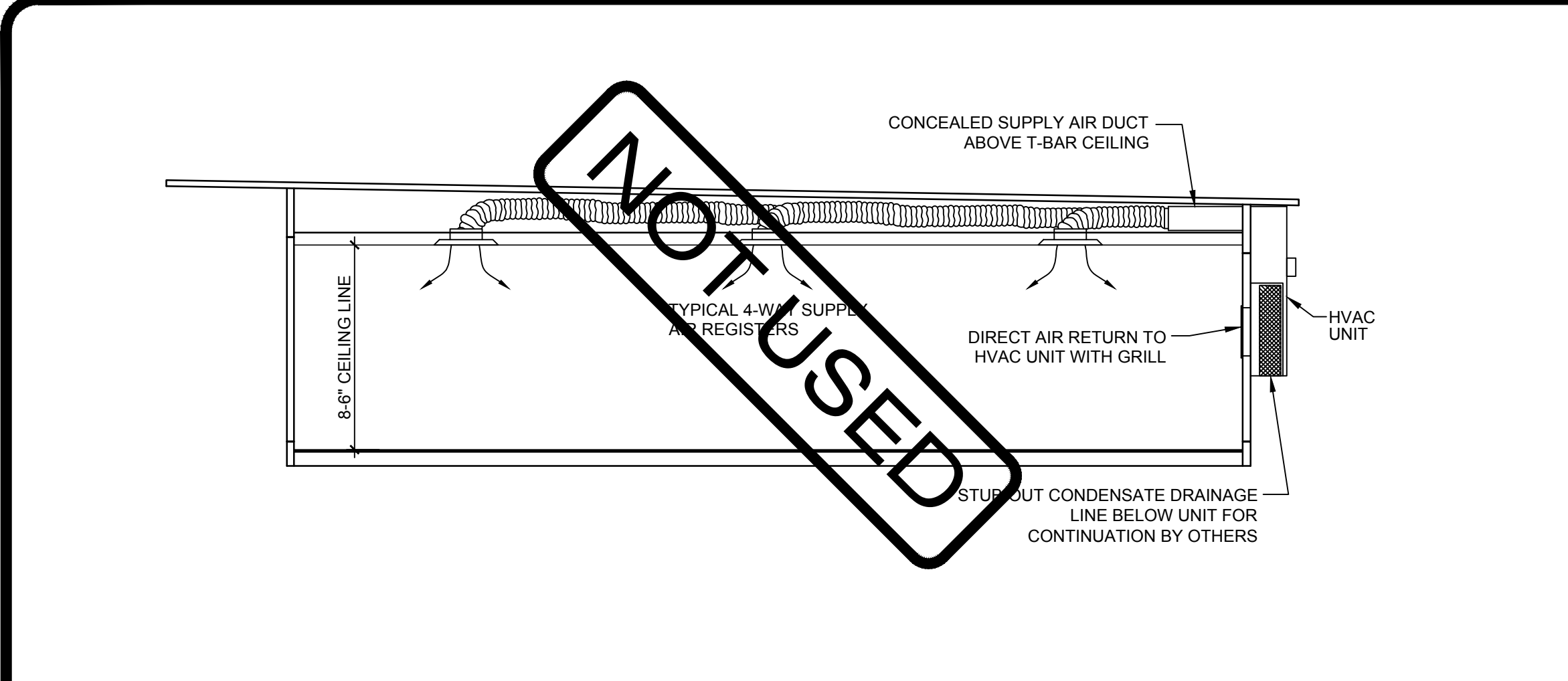
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REVISIONS

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DRAWN BY: AV
SCALE: AS NOTED
DATE: 2/23/26
PROJECT NO: 1902-24
SHEET TITLE:
**MECHANICAL PLAN
OPTIONS
BUILDING F**

SHEET NUMBER:
M1.1F-A



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

AMS
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
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28' x 36' THRU 140' x 36'
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GEN7
by AMS

SITE SPECIFIC PROJECT NAME
.

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APP: 02-121092 PC
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☐ 2022 CBC PRE-CHECK (PC) DOCUMENT
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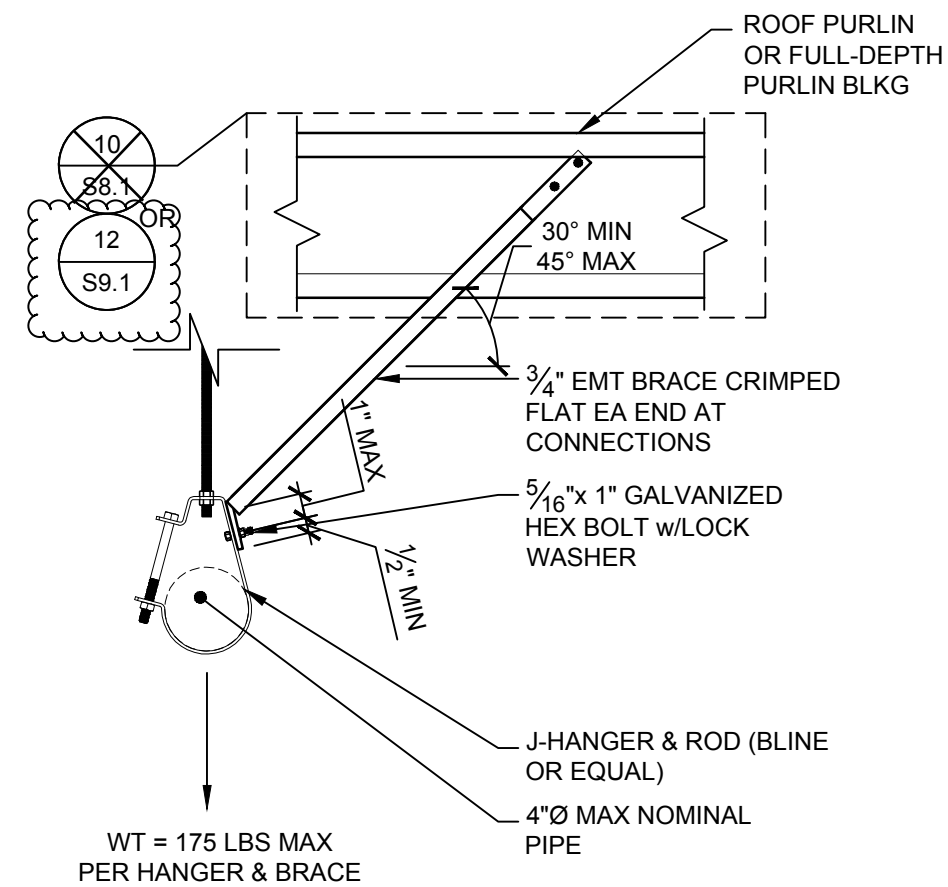
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PATRICK CAMPBELL
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

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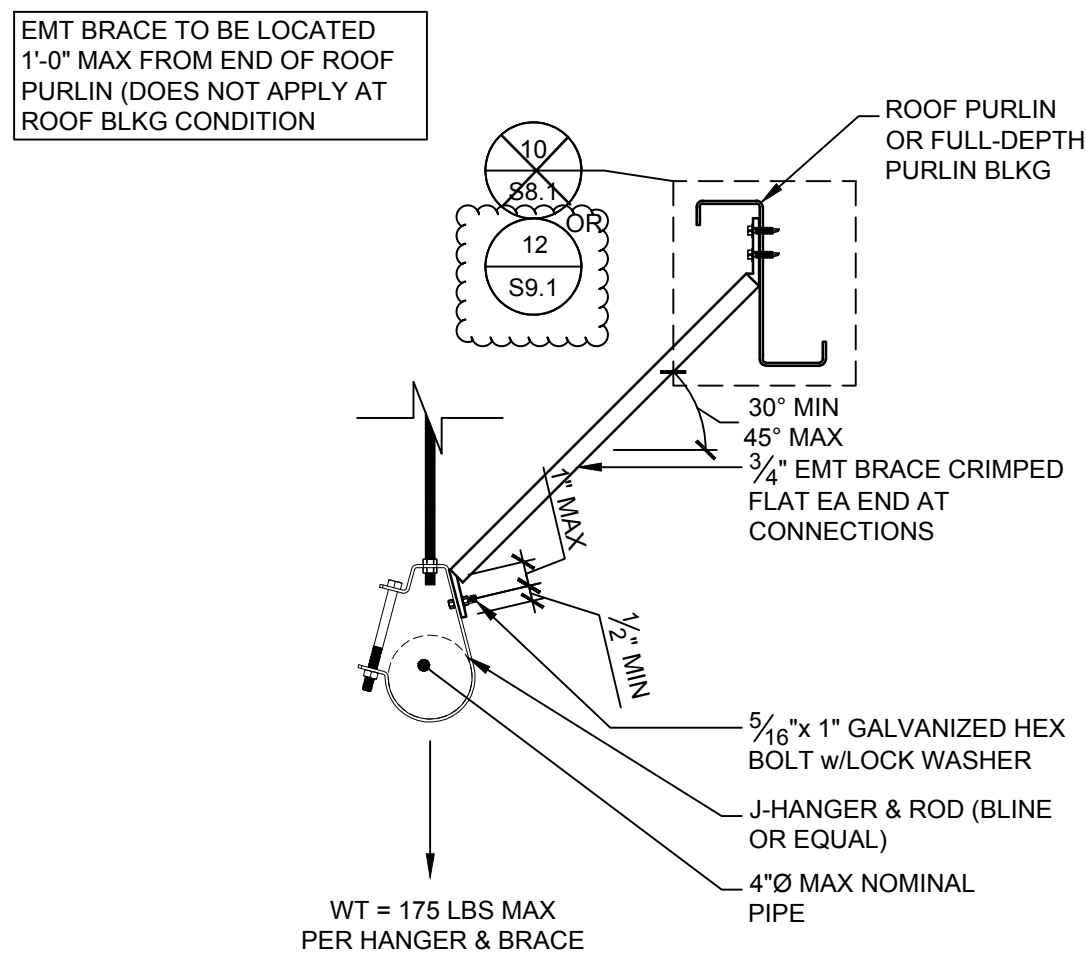
REVISIONS
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DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22
SHEET TITLE:
MECHANICAL BUILDING
SECTIONS & CEILING DETAILS
SHEET NUMBER:

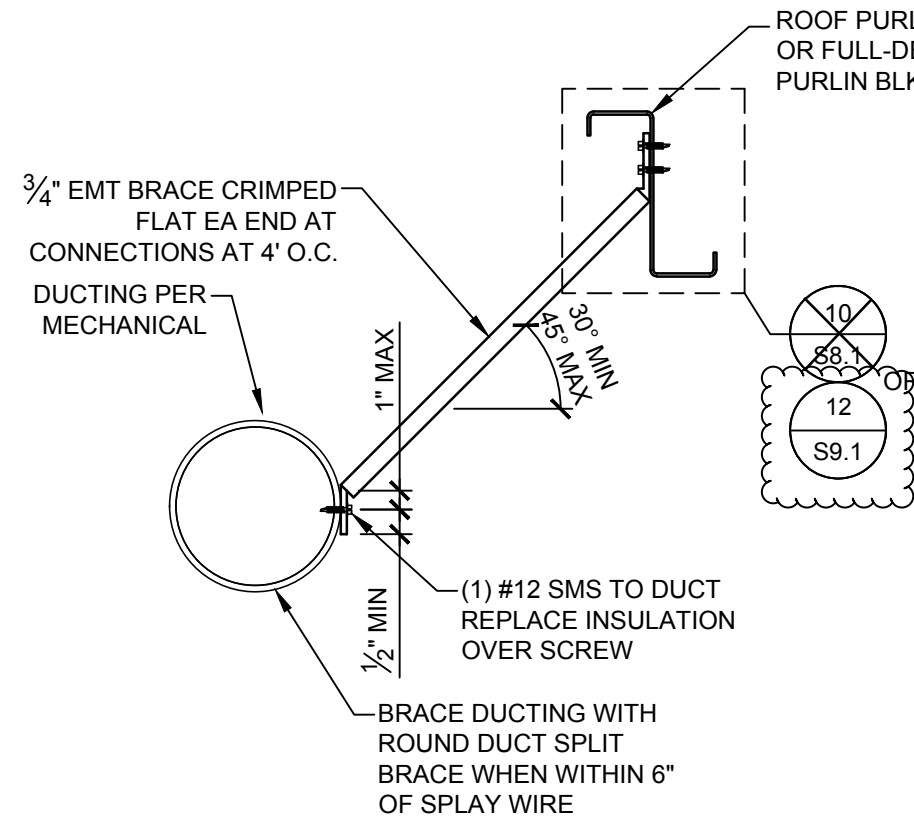
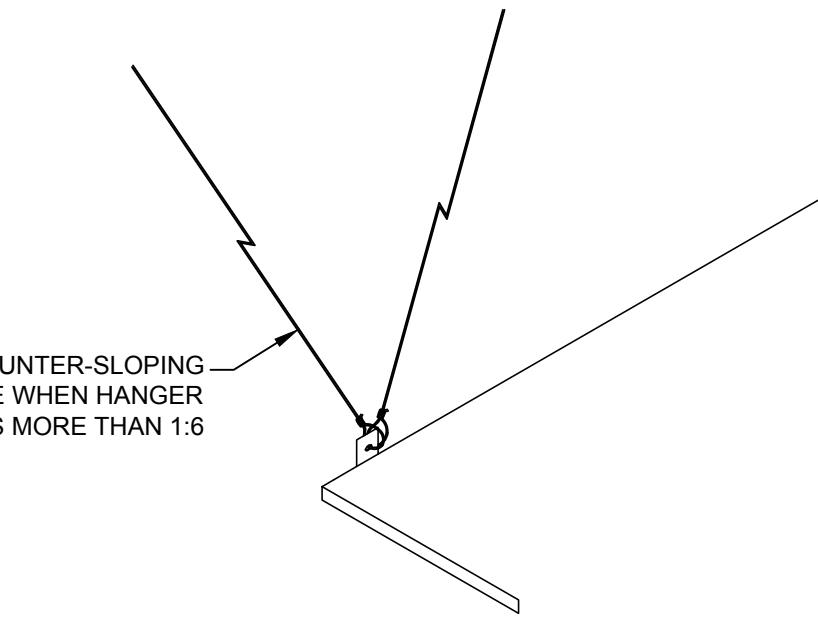
M1.4



J-HANGER PIPE BRACE DETAIL (PERPENDICULAR)

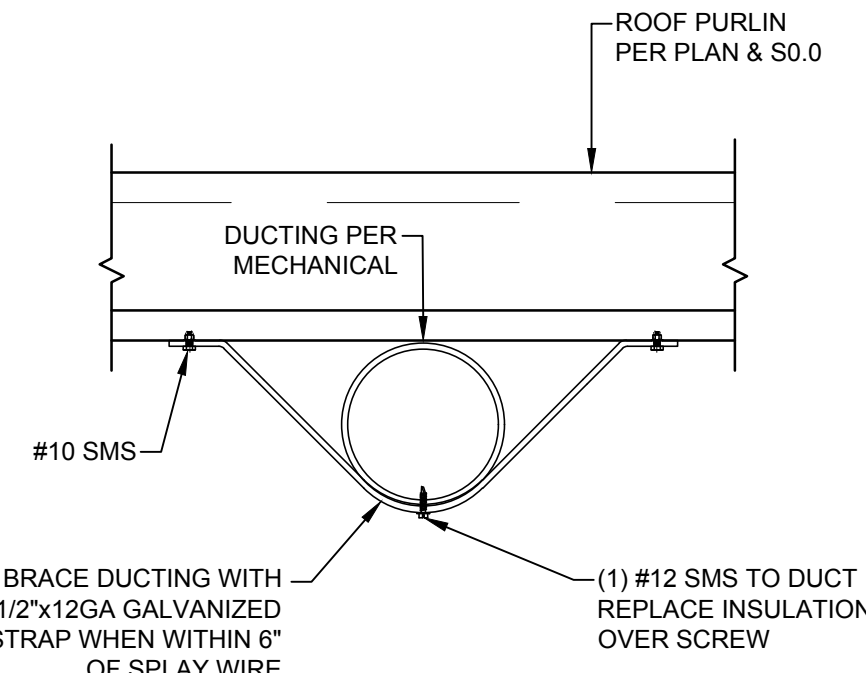


J-HANGER PIPE BRACE DETAIL (PARALLEL) $1'-1/2" = 1'-0"$

HVAC BRACE TO PURLIN ALTERNATE DETAIL
1-1/2" = 1'-0"

NOTE:
ONLY APPLICABLE FOR WIRES PROVIDING LATERAL BRACING FOR THE SUSPENDED CEILING SYSTEM.
NOT ALLOWED FOR SPLAY WIRES.

COUNTERSLOPING WIRE



HVAC BRACE TO PURLIN PERPENDICULAR DETAIL

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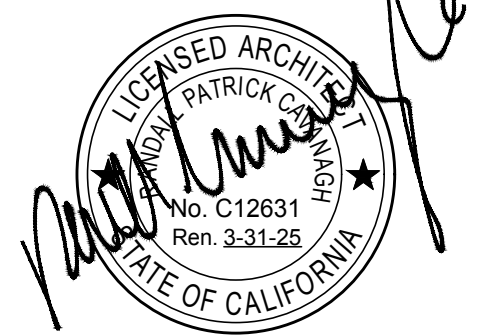
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28' x 36' THRU 140' x 36'
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by AMS

SITE SPECIFIC PROJECT NAME

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A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.



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SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

CEILING & MECHANICAL DETAILS

SHEET NUMBER:

M1.5A

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. HEAT PUMP: SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH A.R.I. STANDARD 240-77. MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 4-TON UNIT. ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE, AND MEET CURRENT ENERGY STANDARDS.
- A. THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER
- B. THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD FRESH AIR.
2. DUCTWORK
- A. CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME, AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL, LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.
- B. NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM, RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
- C. DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. (MINIMUM R=4.2) HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4' INTERVALS, WITH HANGING STRAPS A MINIMUM 1-1/2" WIDE. DUCTS MUST BE PULLED TIGHTS WITH A MAXIMUM SAG OF 1/2" PER FOOT OF HORIZONTAL RUN. DUCTS SHALL NOT BE KINKED OR CRUSHED. BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.
- D. SIZES OF SUPPLY AND RETURN DUCTS SHALL BE SPECIFIED ON PLANS. HVAC CURB SUPPLY AND RETURN DUCTS SHALL BE THE SAME SIZE AND ALIGN WITH THE HVAC UNIT.
- E. FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1
3. AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
4. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAXIMUM, 12" ROUND, 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"x8"x1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTAINTED, OR EQUAL AND 90-B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
5. REGISTERS AND DIFFUSERS: PROVIDE THREE (MINIMUM) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED BY CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS.
6. AIR CONDITIONING CONTROLS: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED OCCUPIED TIMERS. AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS:
- C. 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR A 24-HOUR PERIOD.
- D. KEY BOARD LOCKOUT SWITCH.
- E. PROGRAMMABLE DISPLAY.
- F. 2-HOUR OVERRIDE MINIMUM.
- G. STATUS INDICATED LED'S.
- H. BATTERY BACK-UP.
- I. PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODGERS IF92-371. MOUNT TOP OF BOX @ 48" A.F.F. MAX. (WHERE SEALED, SETTINGS & ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.)
7. THERMAL INSULATION
- A. SEE MINIMUM INSULATION SCHEDULES ON SHEET M1.7
8. FACTORY-MADE AIR DUCTS
- A. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. SECTION 601.0.
- B. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.M.C. SECTION 601.0 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF C.M.C. SECTION 601.0.
- C. DUCT SUPPORT FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAP @ MAX 4'-0" O.C. ATTACH TO RAFTER WITH TWO #8 S.M.S. @ EACH END.
- D. SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAPS MINIMUM 2 PER PLENUM.
- E. SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
- F. SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX WITH TWO #8 S.M.S.
9. FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
- A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES;
- B. AT THE CEILING AND FLOOR LEVELS;
- C. AND AT 10-FOOT (3048MM) INTERVALS BOTH VERTICAL AND HORIZONTAL. REFERENCE 2022 CBC SECTION 718.
10. THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
11. HVAC FILTER
- A. FILTERS SHALL HAVE A "MINIMUM EFFICIENCY REPORTING VALUE" OF 13 WITH 2" DEPTH MIN. (MERV 13) AND SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL, PER 2022 CEC SECTION 5.504.5.3
- D. INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2022 CBC SECTION 5.504.5.3.1
10. ROOF MOUNTED HVAC
- A. A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT. MASTIC SEALANT SHALL BE USED TO SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND DUCTS.
13. HVAC CONTROLS
- A. THERMOSTAT (BY OTHERS) WILL BE PROGRAMMED WHEN THE MODULAR BUILDING IS PLACED ON A SITE TO ENSURE THE MINIMUM AIR RATE WILL BE SUPPLIED TO THE SPACE AT ALL USUALLY OCCUPIED TIMES AND PROGRAMMED TO PROVIDE A PRE-OCCUPANCY PURGE ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED PER ENERGY CODE 120.1(C)1.
14. UPON SITE PLACEMENT OR SITE CONSTRUCTION, THE OPERATION AND MAINTENANCE DOCUMENTATION FOR ALL MECHANICAL AND LIGHTING SYSTEMS AND CONTROLS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR THE PERMANENT MODULAR RELOCATABLE BUILDING AND DELIVERED TO THE OWNER.

HVAC NOTES

HEATING VENTILATING AND AIR CONDITIONING (HVAC) continued

15. THE CALIFORNIA ENERGY CODE 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
16. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROL ACCEPTANCE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
17. A LISTING OF CERTIFIED ATTS CAN BE FOUND AT: [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
18. THERMOSTAT SHALL BE PROGRAMMED TO PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP ALONE. THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING PER CEC 2022 SECTION 110.2(B).

HVAC NOTES (CONTINUATION)

H2 FAN SYSTEMS

BUILDING SIZE	DESIGN OA
	CFM
28'x36'	383
42'x36'	575
56'x36'	383
70'x36'	383
84'x36'	383
98'x36'	383
112'x36'	383
126'x36'	383
140'x36'	383

HVAC SCHEDULE									
BUILDING SIZE & CLIMATE ZONE GROUP (ZONE)	# OF HVAC				BUILDING SIZE & CLIMATE ZONE GROUP (ZONE)	# OF HVAC			
	3½ TON (BARD)	4 TON (BARD)	4 TON (SYSTEM AIR)	5 TON (SYSTEM AIR)		3½ TON (BARD)	4 TON (BARD)	4 TON (SYSTEM AIR)	5 TON (SYSTEM AIR)
☐ 28'x36' GROUP A (1,16)	1				☐ 98'x36' GROUP A (1,16)	2			
☐ 28'x36' GROUP B (2-5)	1				☒ 98'x36' GROUP B (2-5)	2			
☐ 28'x36' GROUP C (6-13)	1				☐ 98'x36' GROUP C (6-13)	2			
☐ 28'x36' GROUP D (14,15)	1				☐ 98'x36' GROUP D (14,15)	2			
☐ 42'x36' GROUP A (1,16)	1				☐ 112'x36' GROUP A (1,16)	4			
☐ 42'x36' GROUP B (2-5)	1				☐ 112'x36' GROUP B (2-5)	4			
☐ 42'x36' GROUP C (6-13)		1			☐ 112'x36' GROUP C (6-13)	4			
☐ 42'x36' GROUP D (14,15)				1	☐ 112'x36' GROUP D (14,15)	4			
☐ 56'x36' GROUP A (1,16)	2				☐ 126'x36' GROUP A (1,16)	3			
☐ 56'x36' GROUP B (2-5)	2				☐ 126'x36' GROUP B (2-5)	3			
☐ 56'x36' GROUP C (6-13)	2				☐ 126'x36' GROUP C (6-13)	3			
☐ 56'x36' GROUP D (14,15)	2				☐ 126'x36' GROUP D (14,15)	3			
☐ 70'x36' GROUP A (1,16)	1				☐ 140'x36' GROUP A (1,16)	5			
☒ 70'x36' GROUP B (2-5)	1				☐ 140'x36' GROUP B (2-5)	5			
☐ 70'x36' GROUP C (6-13)		1			☐ 140'x36' GROUP C (6-13)	5			
☐ 70'x36' GROUP D (14,15)			1		☐ 140'x36' GROUP D (14,15)	5			
☐ 84'x36' GROUP A (1,16)	3								
☒ 84'x36' GROUP B (2-5)	3								
☐ 84'x36' GROUP C (6-13)	3								
☐ 84'x36' GROUP D (14,15)	3								

1. LOW-PROBABILITY SYSTEM(S) ON PLAN PER CMC 1103.2 IN REGARDS TO REFRIGERANT.
2. REFRIGERANT 410B (WHERE APPLICABLE) AND COORESponding SAFETY GROUP ON PLAN (CMC 1103 AND TABLE 1102.3)
- ** SECURED w/ 22 GA WIRE @ 16" O.C.

ADDITIONAL HVAC NOTES:
MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.

HVAC SCHEDULES

HVAC CFM CHART					
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER
SYSTEM AIR INDOOR	CAH-3	4 TON HEAT PUMP	1600	948	11
	CAH-5	5 TON HEAT PUMP	1800	948	11

HVAC CFM CHART							
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP	CLIMATE ZONE(S)
BARD WALL HUNG (CONSTANT VOLUME)	W42HC	3½ TON HEAT PUMP	1140	500	11	3.3	1-16
	W48HC	4 TON HEAT PUMP	1650	505	11	3.3	1-16
	W60HC	4½ TON HEAT PUMP	1855	515	11	3.3	1-16

HVAC CFM CHART							
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	COP	CLIMATE ZONE(S)
BARD ITEC (VARIABLE SPEED DRIVE)	I42H1-A	3½ TON HEAT PUMP	1300	896	11.0	3.3	1-16
	I48H-1A	4 TON HEAT PUMP	1500	884	11.0	3.3	1-16
	I60H1-A	4½ TON HEAT PUMP	1700	931	11.0	3.3	1-16

HVAC CFM CHART							
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER	SEER	CLIMATE ZONE(S)
CARRIER ROOF MOUNT	50VT-C36---3-TP	3 TON HEAT PUMP	1200	371	12.0	14.5	1-16
	50VT-C42---3-TP	3½ TON HEAT PUMP	1400	412	12.0	14.5	1-16
	50VT-C48---3-TP	4 TON HEAT PUMP	1600	432	12.0	14.5	1-16
	50VT-C60---3-TP	4½ TON HEAT PUMP	1750	462	12.0	14.2	1-16

HVAC CFM CHART								
	MODEL #	DESCRIPTION	AIR HANDLER MODEL # (INTERIOR OR ATTIC MOUNTED)	MAX. CFM	UNIT WEIGHT (LBS)	EER	SEER	CLIMATE ZONE(S)
CARRIER SPLIT DX SYSTEM	25HCE436A003	3 TON HEAT PUMP	FX4DN037	1200	157	11.5	14.0	1-16
	25HCE442A003	3½ TON HEAT PUMP	FX4DN043	1400	157	11.5	14.0	1-16
	25HCE448A003	4 TON HEAT PUMP	FX4DN049	1600	185	11.5	14.0	1-16
	25HCE460A003	4½ TON HEAT PUMP	FX4DN061	2000	201	11.5	14.0	1-16

BARD WALL HUNG HVAC UNITS MAY BE SUBSTITUTED WITH CARRIER ROOF MOUNT OR CARRIER SPLIT DX SYSTEMS, PER CHARTS ABOVE, WITHOUT INCREASING THE HVAC UNIT'S TONNAGE.

BARD ITEC OR SYSTEM AIR HVAC UNITS MAY ONLY BE SUBSTITUTED WITH HVAC UNITS THAT MEET OR EXCEED THE EFFICIENCY (SEER & HPSF) IN THE TABLE ABOVE, INCLUDE CO2 SENSORS AND VARIABLE SPEED SUPPLY FANS.

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

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMANCE 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 AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LIST OF CERTIFIED ATTS CAN BE FOUND AT: [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance)

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
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.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 05/14/2024

☐ 2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

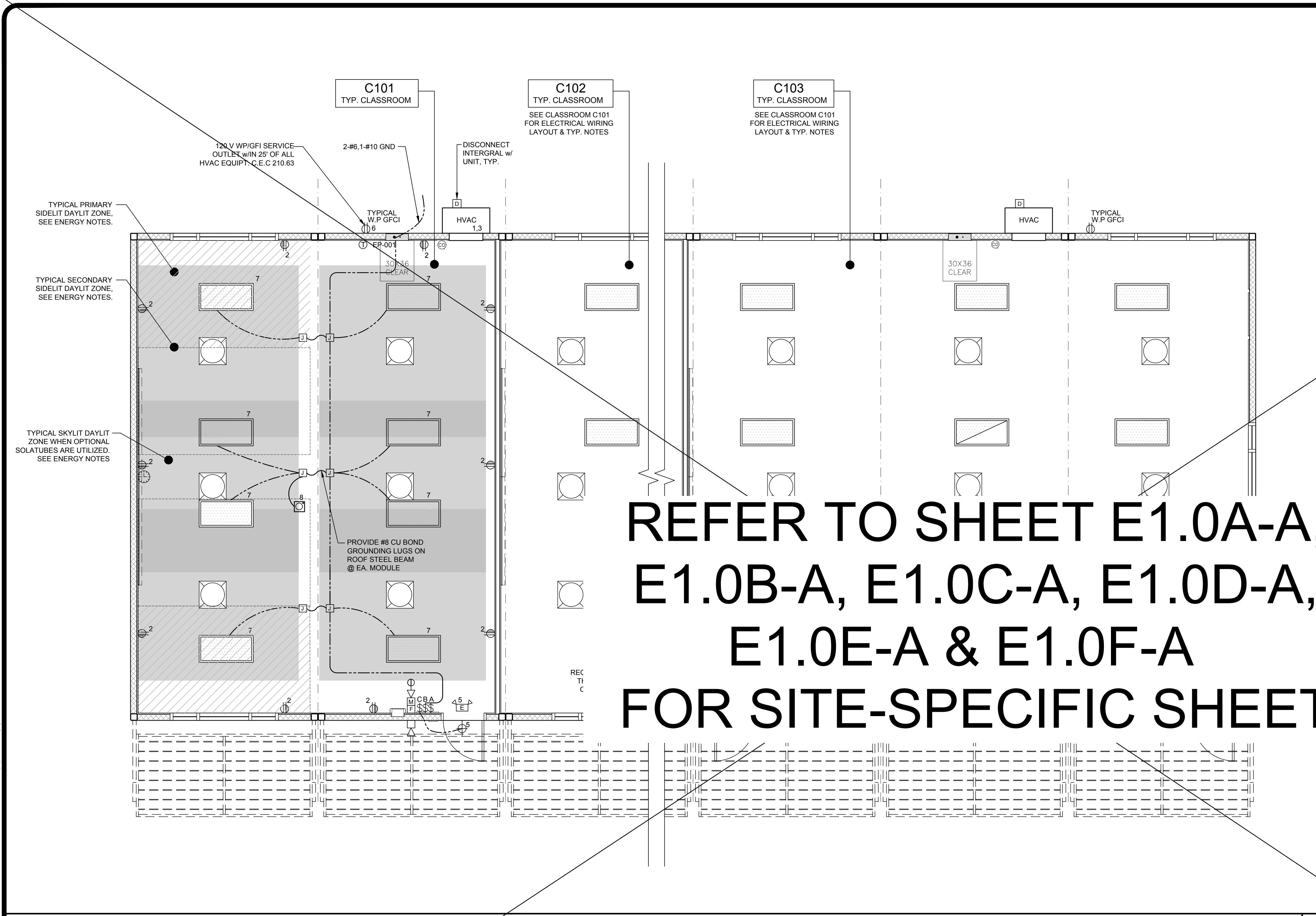
LICENSED ARCHITECT
PATRICK CAMPBELL
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

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REVISIONS

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22
SHEET TITLE:
**MECHANICAL NOTES
& SCHEDULES**
SHEET NUMBER:

M1.7A

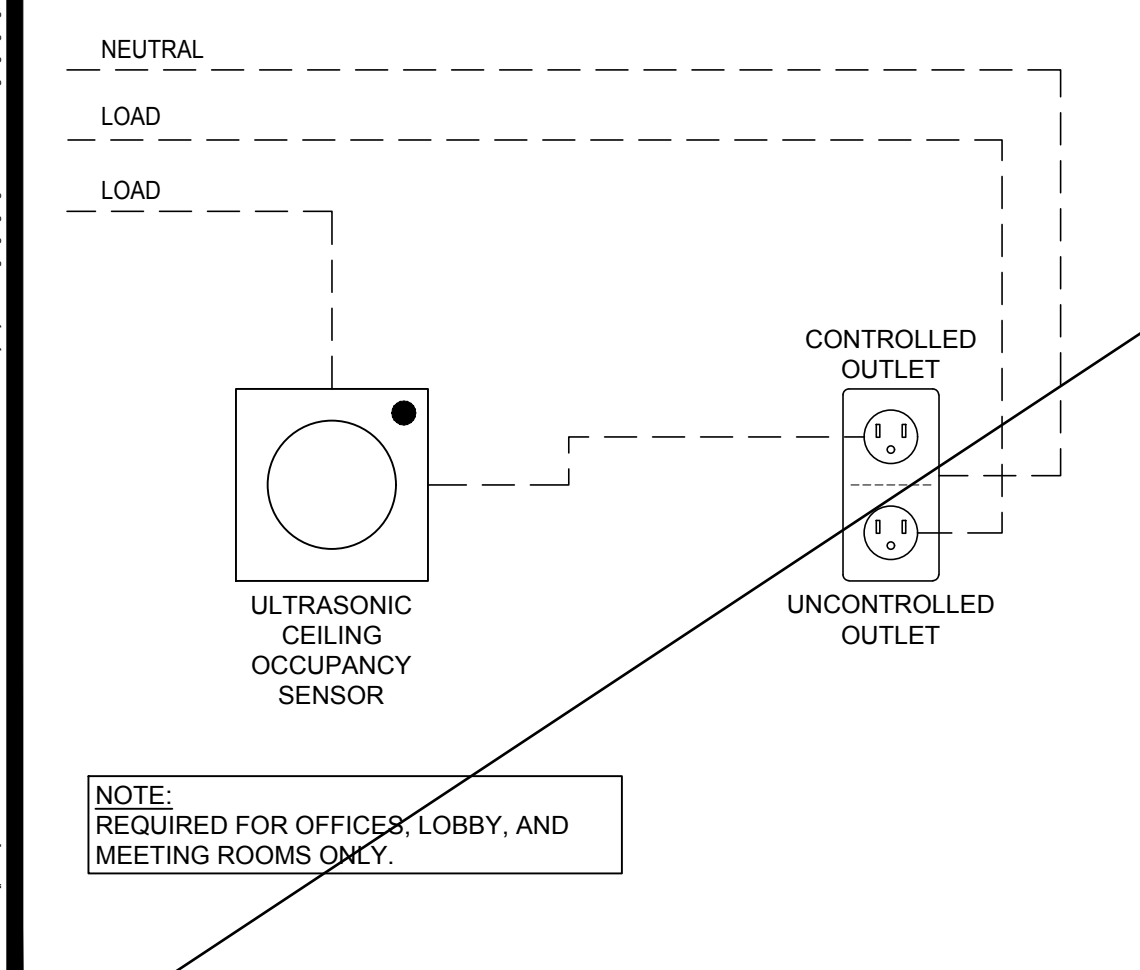


REFER TO SHEET E1.0A-A,
E1.0B-A, E1.0C-A, E1.0D-A,
E1.0E-A & E1.0F-A
FOR SITE-SPECIFIC SHEET

- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE MODEL: 9850-LED, 10W MAX
- EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 40W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X7LED-50 LOW PROFILE CANOPY, LED OR EQUAL (MAX 16W)
- UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
- COMBO-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- CONTROLLED SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- SINGLE POLE SOLA-TUBE SWITCH - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- SPRING WOUND COUNTDOWN TIMER, 125-277 VAC, 50/60 Hz, DSPT, 60 MINUTE MAX, ITEM FD460MW OR EQUAL. - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX.
- SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED.
- THERMOSTAT - TOP OF BOX MOUNTED @ +90" A.F.F.
- JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
- ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1- 4"x1", #22- 4"x2"
- CLOCK/SPEAKER COMBO - MOUNT @ +90" A.F.F. TO CENTERLINE - U.O.N. - DEVICE BY OTHERS
- SPEAKER - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +84" A.F.F. TO CENTERLINE - DEVICE BY OTHERS
- DATA/COMMUNICATION - OUTLET ONLY - 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- CATV OUTLET - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - (1) 3/4" DIA CONDUIT - STUBBED ABOVE CEILING - DEVICES BY OTHERS
- INTERCOM/TELEPHONE - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +48" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- SECURITY/INTRUSION KEY PAD - OUTLET ONLY - 4" SQ. BOX w/ SINGLE DEVICE RING AND COVER, MOUNT TOP OF BOX @ +48" A.F.F., AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- DOOR CONTACT - PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER - STUBBED ABOVE CEILING - DEVICE BY OTHERS
- MOTION SENSOR OUTLET - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING
- ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED)
- 2'x4' LED EDGE FIT FIXTURE, MODEL: LSI, SFP24 5601K LUMENS - 45 WATTS MAX OR EQUAL
- 2'x2' LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 3163K LUMENS - 30 WATTS MAX OR EQUAL
- 24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP - WHERE TWO OR MORE EXITS ARE REQUIRED
- EMERGENCY EXIT LIGHT - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP IS REQUIRED.
- ILLUMINATED EXIT LIGHT - WHERE THERE ARE TWO OR MORE EXITS
- EXTERIOR SOFFIT MOUNTED LIGHTING PER MODEL ABOVE WITH EMERGENCY 90 MIN. MINIMUM BATTERY BACK-UP, PROVIDE (1) BY THE STAIR LANDINGS.
- CO2 SENSOR - SEE NOTES IN SHEETS M1.1A, M1.1B & M1.1C

TYPICAL ELECTRICAL PLAN

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



ENERGY CONTROLS

- AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAYLIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
 - ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
 - SOLAR-READY ZONE REQUIREMENTS: REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
 - SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIT ZONE:
 - PROGRAMMABLE SWITCH
 - ROOM CONTROL (0-10V DIMMING)
 - OCCUPANCY SENSOR
 - PHOTOCELL SENSOR
- NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ENERGY NOTES

- THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
- ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
- PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
- SEE PLANS FOR LOCATIONS OF ALL DEVICES.
- STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICALLY ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT), DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
- THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.
- FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

N.T.S.

- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
 - ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.
- DEMAND RESPONSE CONTROLS
- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
 - DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
 - DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
 - SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

GENERAL NOTES

STANDARD ELECTRICAL SYMBOLS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

AMS
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
.

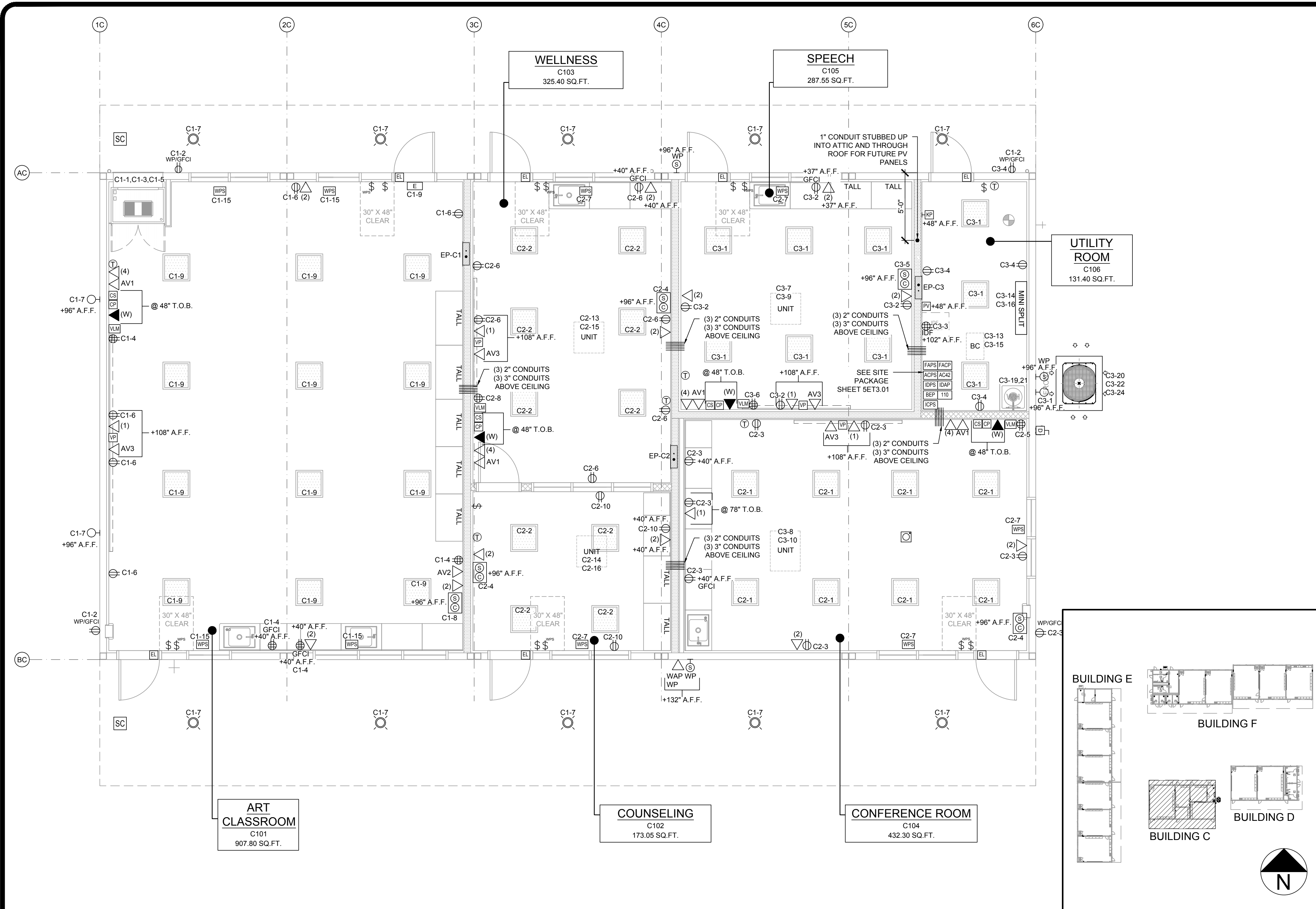
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APP: 02-121092 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 05/14/2024

☐ 2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

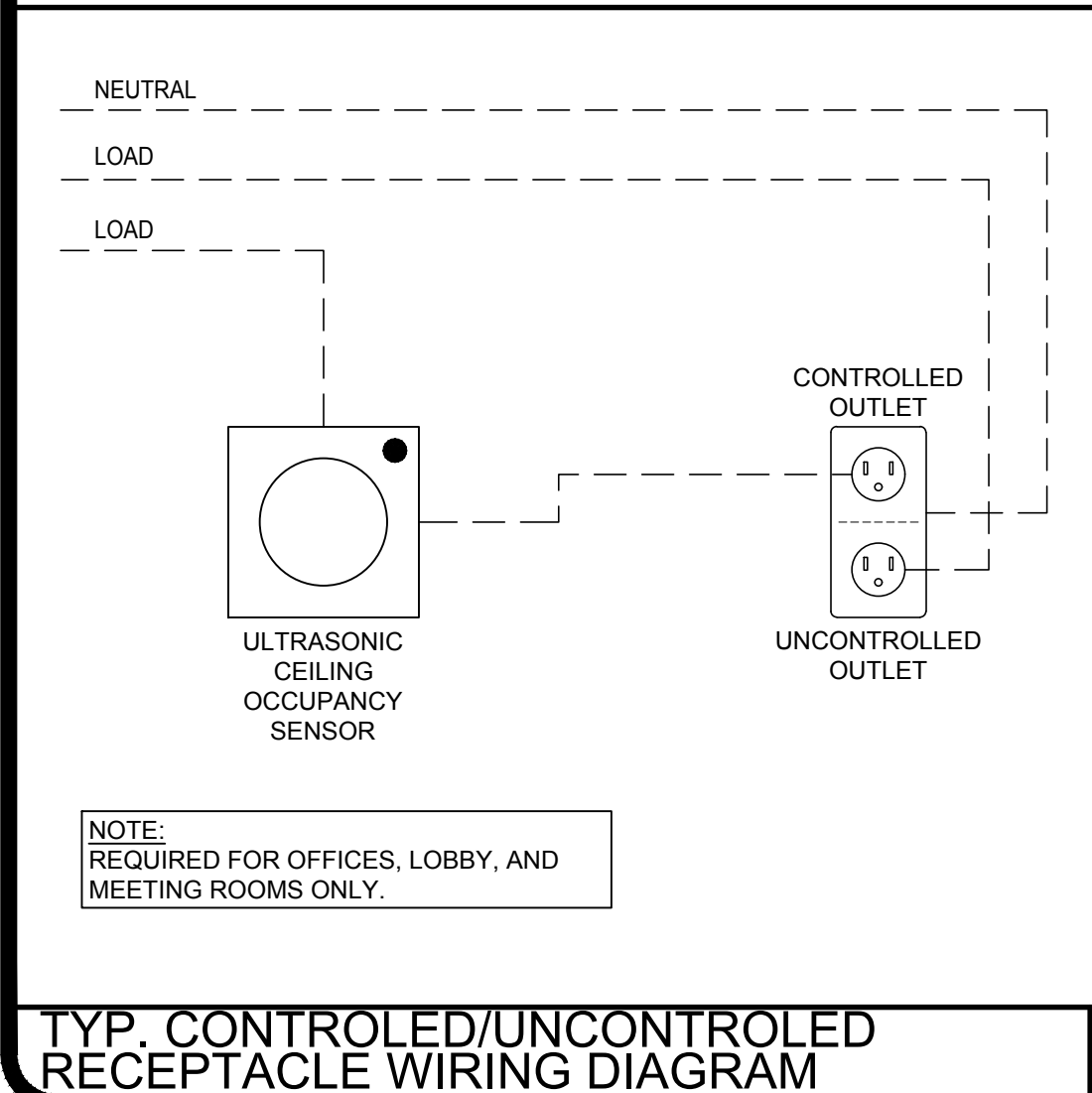
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REVISIONS
.

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22
SHEET TITLE:
**TYPICAL ELECTRICAL
PLAN & NOTES**
SHEET NUMBER:
E1.0



ELECTRICAL PLAN - BUILDING C



ENERGY CONTROLS

- AUTOMATIC DAYLIGHTING CONTROLS:**
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDEWALL DAYLIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.4. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:**
PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING. IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
- SOLAR-READY ZONE REQUIREMENTS:**
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
- SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIT ZONE:**

NOTE: ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ENERGY NOTES

N.T.S.

GENERAL NOTES

- THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
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- SEE PLANS FOR LOCATIONS OF ALL DEVICES.
- STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICALLY ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
- THE LIGHTS FOR EACH ROOM OVER 250 SQ. FT. SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.
- FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
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DEMAND RESPONSE CONTROLS

- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
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- SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

KEY MAP

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

1

STANDARD ELECTRICAL SYMBOLS

NOTE: ALL BOXES SHALL BE INSTALLED RECESSED WITHIN WALL, UNLESS OTHERWISE NOTED.
*T.O.B. - TOP OF BOX

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	11/20/25

ELECTRICAL PLAN & NOTES

BUILDING C

E1.0A-A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

AMS
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
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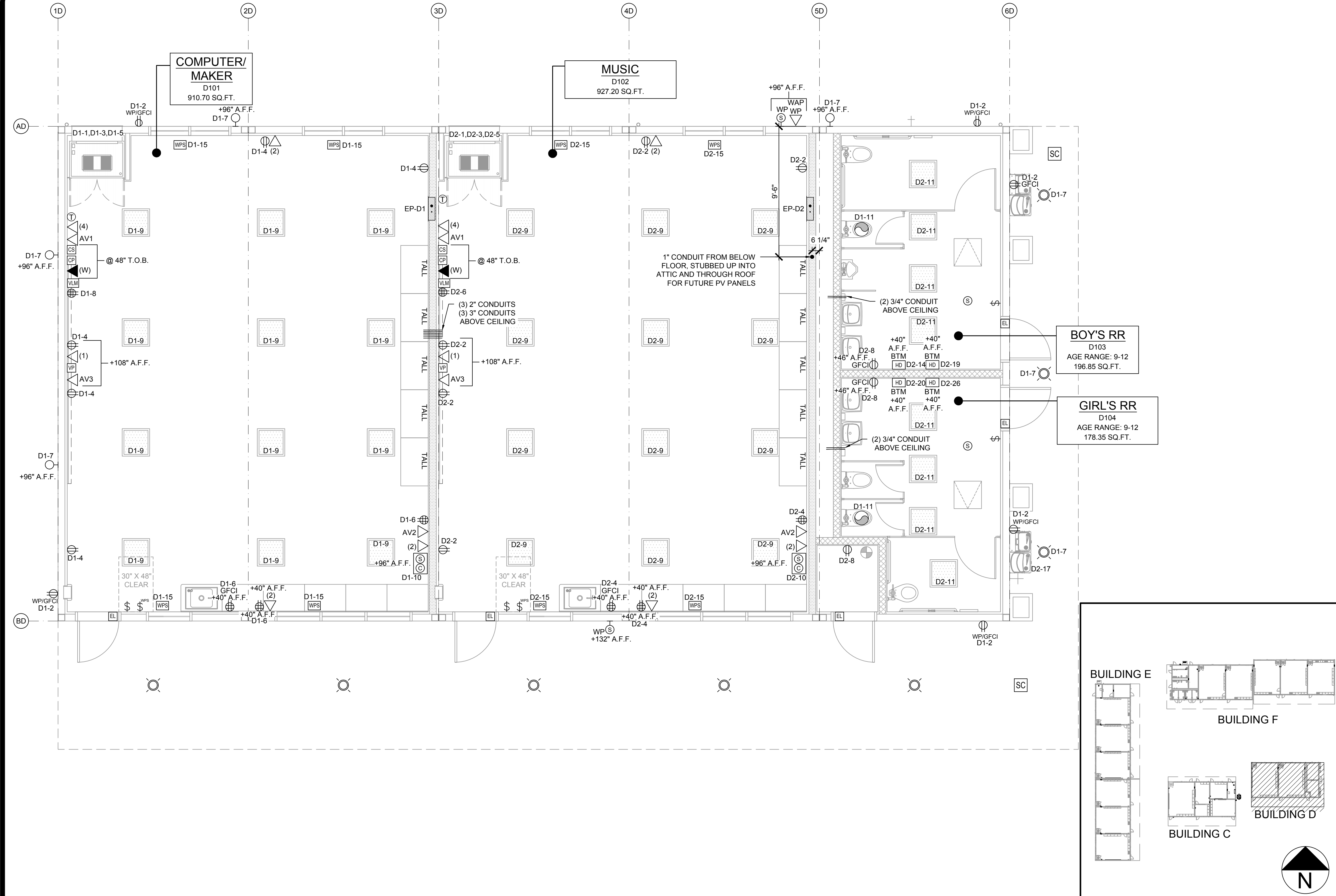
PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36' (HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

STATE OF CALIFORNIA
No. C12631
Ren. 3-31-27

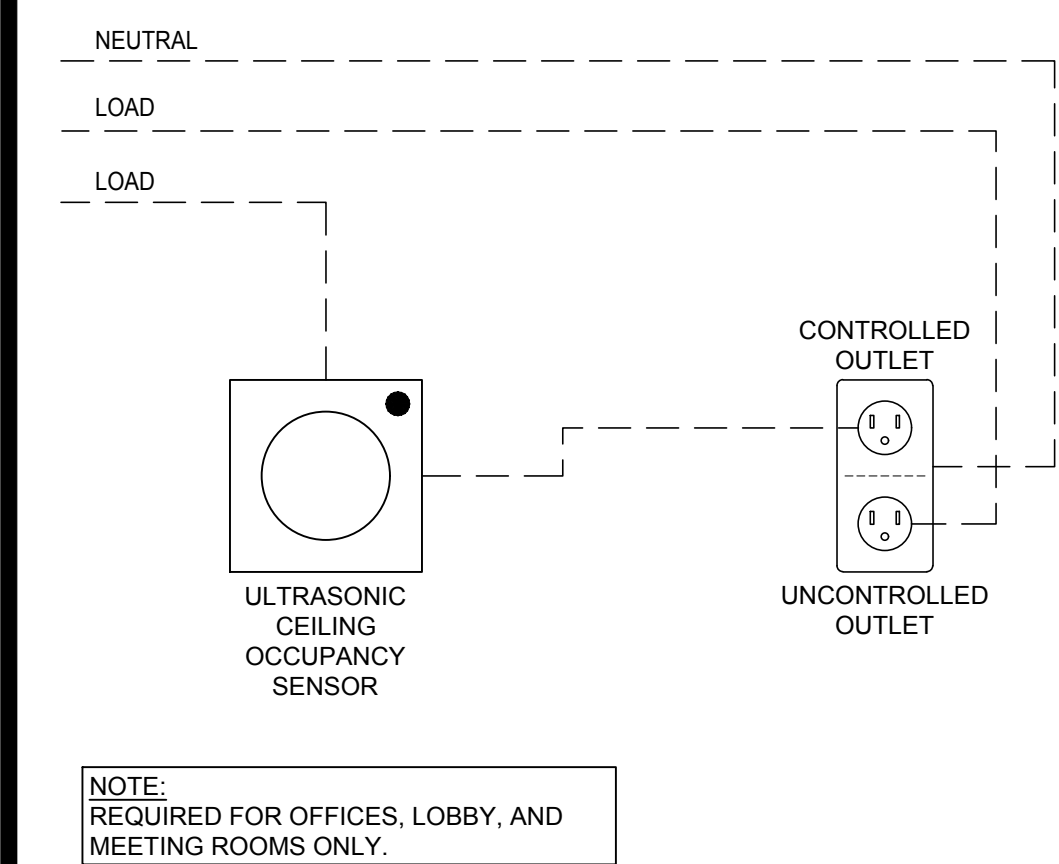
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ELECTRICAL PLAN - BUILDING D

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

KEY MAP



TYP. CONTROLLED/UNCONTROLLED RECEPTACLE WIRING DIAGRAM

ENERGY CONTROLS

- AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDEWALL DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A-1. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
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 - SOLAR-READY ZONE REQUIREMENTS: REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
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ENERGY NOTES

- THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
- ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
- PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
- SEE PLANS FOR LOCATIONS OF ALL DEVICES.
- STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
- THE LIGHTS FOR EACH ROOM OVER 250 SQ. FT. SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.
- FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
- ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

DEMAND RESPONSE CONTROLS

- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
- DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
- DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
- SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

GENERAL NOTES

- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.N.O. PER E1.2A-A
- DUPLEX POWER OUTLET - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- QUAD POWER OUTLET - PROVIDE 2-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- CONTROLLED - SINGLE POLE LIGHT SWITCHES - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE - MOUNT @ +48" A.F.F. TO TOP OF BOX.
- CONTROLLED-SINGLE POLE LIGHT SWITCH w/ BUILT IN OCCUPANCY SENSOR - MOUNT @ +44" A.F.F. MAX TO TOP OF BOX - LEVITON ODS10-ID OR SIMILAR
- THERMOSTAT - MOUNT @ +48" A.F.F. TO TOP OF BOX.
- IP CLOCK/SPEAKER COMBO - 4" SQ. BOX WITH 3/4" CONDUIT TO CEILING - INSTALL @ +96" A.F.F. TO CENTERLINE OF BOX.
- 1 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- 2 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- 4 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- TELEPHONE - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.
- INTERCOM CALL SWITCH - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX - WITH 3/4" CONDUIT MOUNT @ 48" TOP OF BOX.
- AV CONTROL PANEL, EXTRON MLC PLUS 200 WITH 3-GANG RING & 3-GANG BOX - 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.
- 2x2' LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 3163K LUMENS - 30 WATTS MAX OR EQUAL
- EXTERIOR SOFFIT MOUNTED 6" ROUND DOWNLIGHT "GOTHAM" EVO SERIES
- ILLUMINATED EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS
- AV1 OUTLET - PROVIDE 3-GANG BOX & 3-GANG MUD-RING, WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX
- AV2 OUTLET - PROVIDE 2-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX
- AV3 OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT AS SHOWN
- SECURITY CAMERA - PROVIDE 1-GANG, 4" SQ. BOX WITH 1" CONDUIT TO CEILING
- INTERIOR SPEAKER - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT TO ATTIC
- EXTERIOR IP SPEAKER - WEATHER PROOF 8.5"H x 11"W x 4"D VALCOM V-9805 VANDAL RESISTANT ENCLOSURE BOX - BACKBOX SHALL BE FURNISHED & INSTALLED BY AMS WITH 3/4" CONDUIT TO ATTIC SPACE
- WIRELESS ACCESS POINT
- FACP - PROVIDE 1-GANG, 4" SQ. BOX WITH WIRE COILED UP FOR HARDWARE OF FACP (BY SITE CONTRACTOR), MOUNT @ 36" A.F.F.
- ELECTRICAL J-BOX - ABOVE CEILING - POWER JUNCTION FOR DATA RACK. LEAVE IN ATTIC WITH WHIP FOR SITE INSTALLED ELECTRICAL RECEPTION RACK
- MOTORIZED WINDOW POWER SUPPLY IN ATTIC (SINGLE GANG BOX)
- MOTORIZED WINDOW - SINGLE POLE SWITCH - MOUNT @ +48" A.F.F. TO TOP OF SINGLE GANG BOX
- 30 AMP, 2-POLE FUSIBLE DISCONNECT FOR DUCTLESS SPLIT HVAC UNIT
- HARDWIRED J-BOX FOR FUTURE EXTERIOR LIGHT FIXTURE BY SITE GC
- ELECTRICAL INSTANT HOT WATER
- EXTRON VOICELIFT WIRELESS MIC (NO BACK BOX OR CONDUIT REQUIRED)
- SHORT-THROW WALL MOUNTED VIDEO PROJECTOR PER E1.2A-A
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE PHOTOVOLTEIC INVERTER PANEL (BY SITE GC)
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE WIRELESS ACCESS POINT (BY SITE GC)
- DEDICATED HARDWIRED J-BOX FOR HAND DRYER
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC)
- SCHLAGE AD-300 PER E1.2A-A
- ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED)
- EXHAUST FAN - SEE REFLECTED CEILING PLANS

NOTE: ALL BOXES SHALL BE INSTALLED RECESSED WITHIN WALL, UNLESS OTHERWISE NOTED.
*T.O.B. - TOP OF BOX

STANDARD ELECTRICAL SYMBOLS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

AMS
American Modular Systems
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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

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

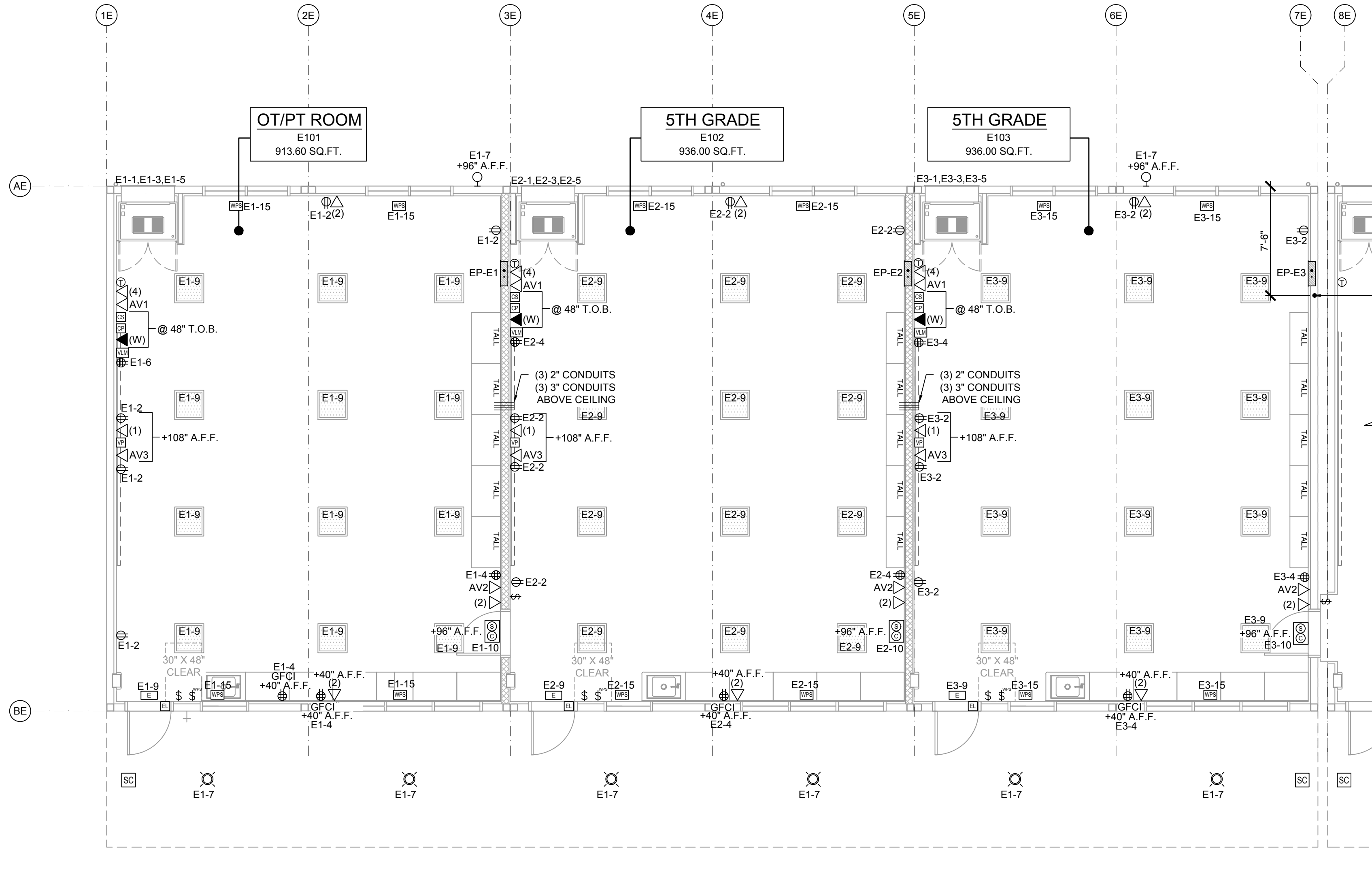
REVISIONS

DRAWN BY: AV
SCALE: AS NOTED
DATE: 10/23/25
PROJECT NO: 1902-24

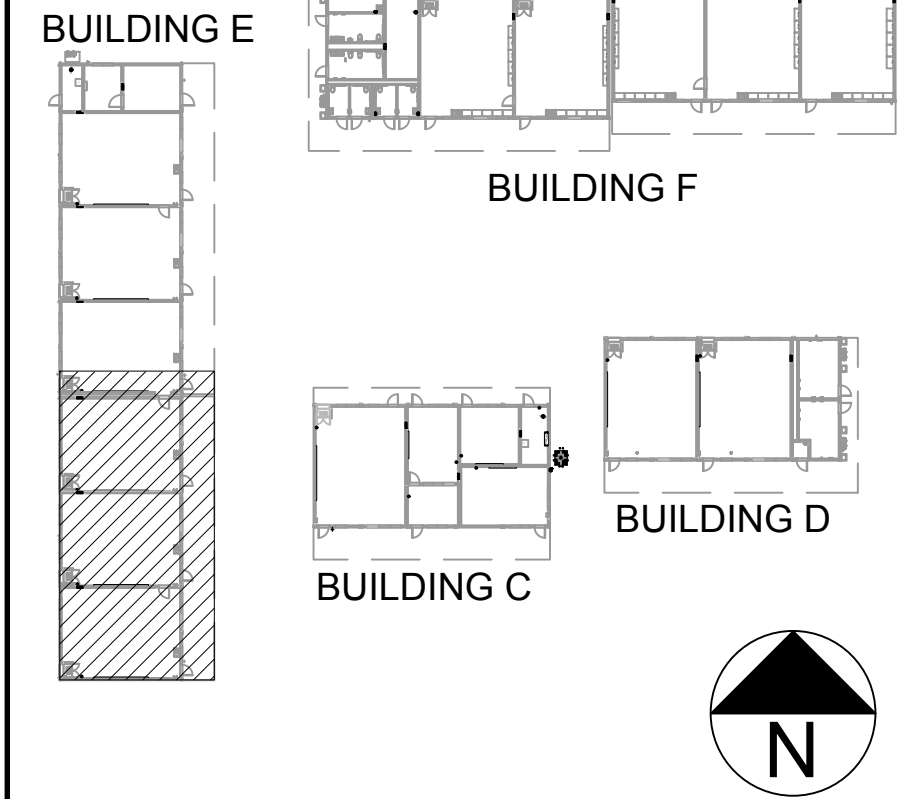
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ELECTRICAL
PLAN & NOTES
BUILDING D

SHEET NUMBER:

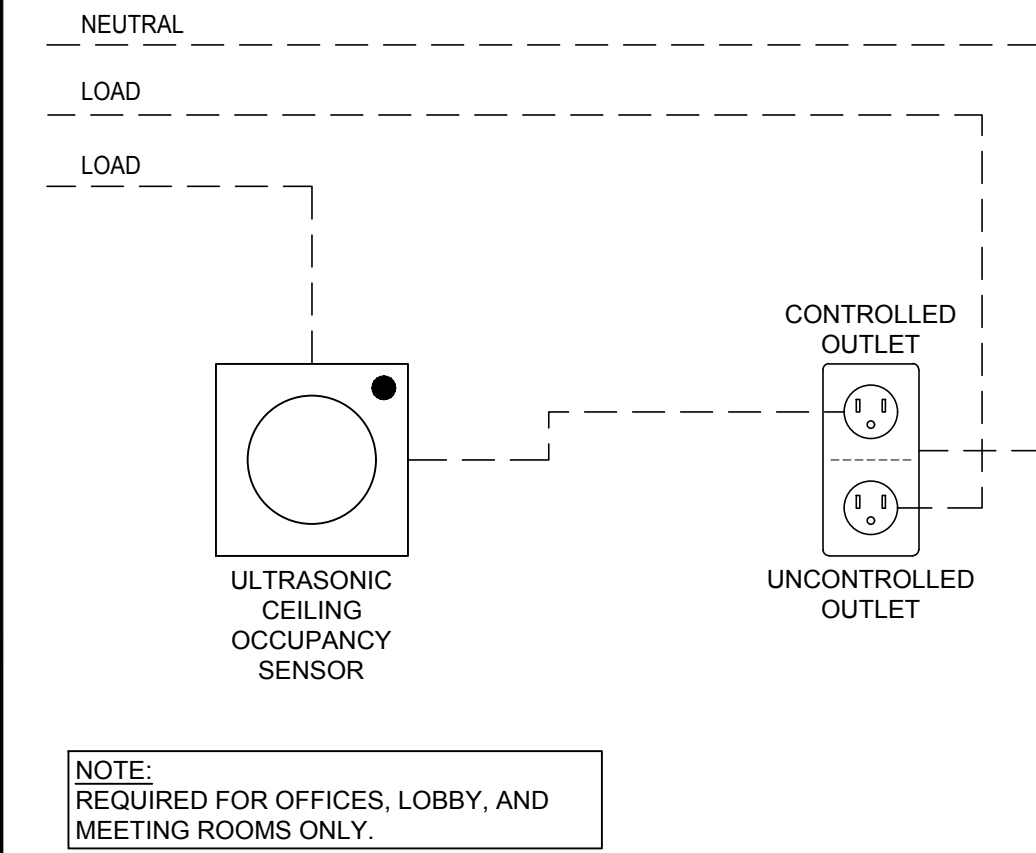
E1.0B-A



1" CONDUIT FROM BELOW FLOOR, STUBBED UP INTO ATTIC AND THROUGH ROOF FOR FUTURE PV PANELS



ELECTRICAL PLAN - BUILDING E



ENERGY CONTROLS

- AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDEWALL DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.4. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
- SOLAR-READY ZONE REQUIREMENTS: REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
- SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIT ZONE:
 - PROGRAMMABLE SWITCH
 - ROOM CONTROL (0-10V DIMMING)
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NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

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- FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

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

1

KEY MAP

- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
- ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

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GENERAL NOTES

- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.N.O. PER E1.2A-A
- DUPLEX POWER OUTLET - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- QUAD POWER OUTLET - PROVIDE 2-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
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- CONTROLLED-SINGLE POLE LIGHT SWITCH w/ BUILT IN OCCUPANCY SENSOR - MOUNT @ +44" A.F.F. MAX TO TOP OF BOX - LEVITON ODS10-ID OR SIMILAR
- THERMOSTAT - MOUNT @ +48" A.F.F. TO TOP OF BOX.
- IP CLOCK/SPEAKER COMBO - 4" SQ BOX WITH 3/4" CONDUIT TO CEILING - INSTALL @ +96" A.F.F. TO CENTERLINE OF BOX.
- 1 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- 2 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- 4 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
- TELEPHONE - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.
- INTERCOM CALL SWITCH - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX - WITH 3/4" CONDUIT MOUNT @ 48" TOP OF BOX.
- AV CONTROL PANEL, EXTRON MLC PLUS 200 WITH 3-GANG RING & 3-GANG BOX - 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.
- 2'x2' LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 3163K LUMENS - 30 WATTS MAX OR EQUAL
- EXTERIOR SOFFIT MOUNTED 6" ROUND DOWNLIGHT "GOTHAM" EVO SERIES
- ILLUMINATED EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS
- AV1 OUTLET - PROVIDE 3-GANG BOX & 3-GANG MUD-RING, WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX
- AV2 OUTLET - PROVIDE 2-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX
- AV3 OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT AS SHOWN
- SECURITY CAMERA - PROVIDE 1-GANG, 4" SQ. BOX WITH 1" CONDUIT TO CEILING
- INTERIOR SPEAKER - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT TO ATTIC
- EXTERIOR IP SPEAKER - WEATHER PROOF 8.5"H x11"W x4"D VALCOM V-9805 VANDAL RESISTANT ENCLOSURE BOX - BACKBOX SHALL BE FURNISHED & INSTALLED BY AMS WITH 3/4" CONDUIT TO ATTIC SPACE
- WIRELESS ACCESS POINT
- FACP - PROVIDE 1-GANG, 4" SQ. BOX WITH WIRE COILED UP FOR HARDWARE OF FACP (BY SITE CONTRACTOR), MOUNT @ 36" A.F.F.
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- MOTORIZED WINDOW POWER SUPPLY IN ATTIC (SINGLE GANG BOX)
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- 30 AMP, 2-POLE FUSIBLE DISCONNECT FOR DUCTLESS SPLIT HVAC UNIT
- HARDWIRED J-BOX FOR FUTURE EXTERIOR LIGHT FIXTURE BY SITE GC
- ELECTRICAL INSTANT HOT WATER
- EXTRON VOICELIFT WIRELESS MIC (NO BACK BOX OR CONDUIT REQUIRED)
- SHORT-THROW WALL MOUNTED VIDEO PROJECTOR PER E1.2A-A
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE PHOTOVOLTEIC INVERTER PANEL (BY SITE GC)
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE WIRELESS ACCESS POINT (BY SITE GC)
- DEDICATED HARDWARE J-BOX FOR HAND DRYER
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- SCHLAGE AD-300 PER E1.2A-A
- ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED)
- EXHAUST FAN - SEE REFLECTED CEILING PLANS

NOTE: ALL BOXES SHALL BE INSTALLED RECESSED WITHIN WALL, UNLESS OTHERWISE NOTED. *T.O.B. - TOP OF BOX

STANDARD ELECTRICAL SYMBOLS

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APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

Patricia Canino
LICENSED ARCHITECT
No. C12631
Ren. 3-31-27
STATE OF CALIFORNIA

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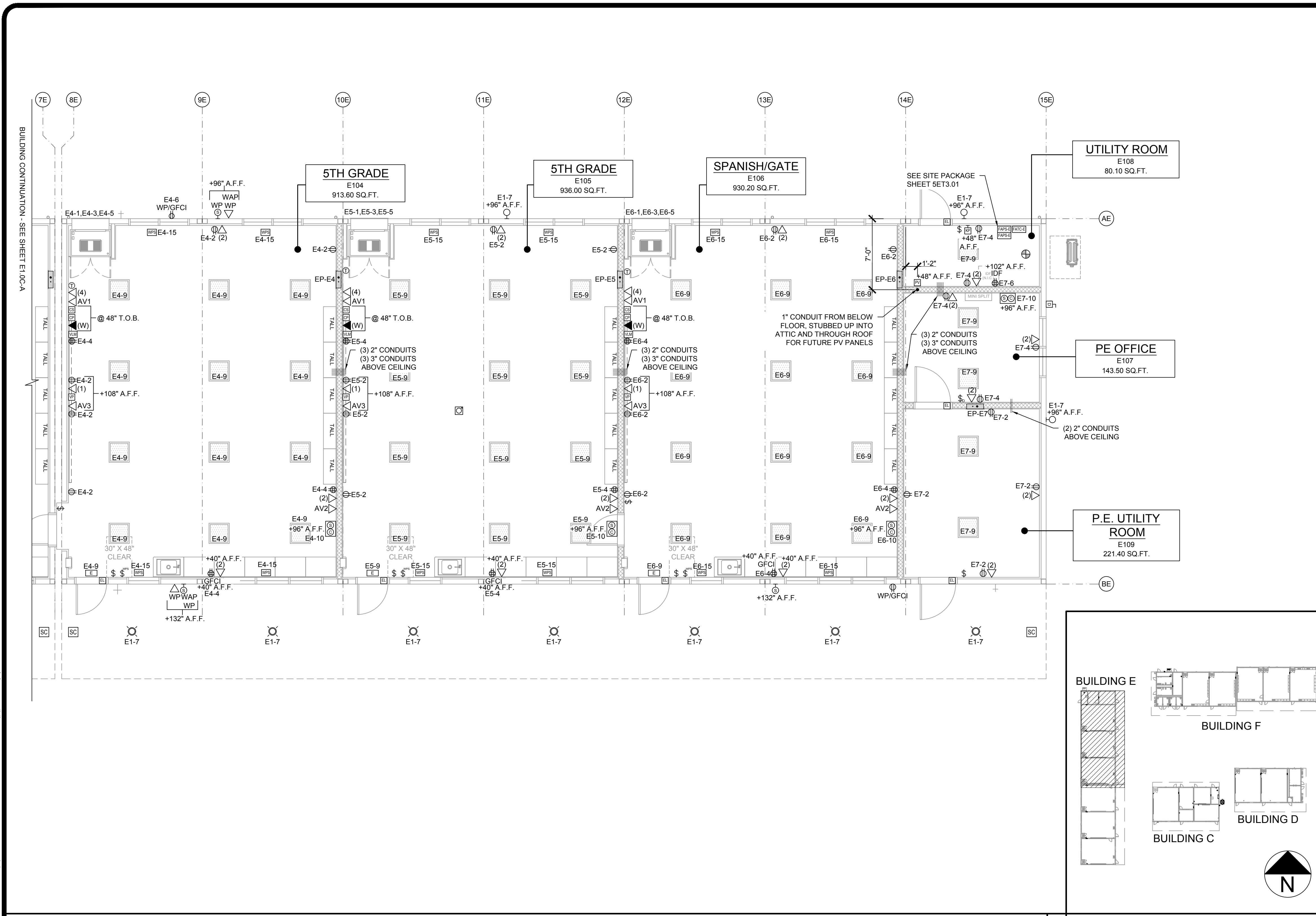
REVISIONS	
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DRAWN BY: AV
SCALE: AS NOTED
DATE: 10/23/25
PROJECT NO: 1902-24

ELECTRICAL
PLAN & NOTES
BUILDING E

SHEET NUMBER:

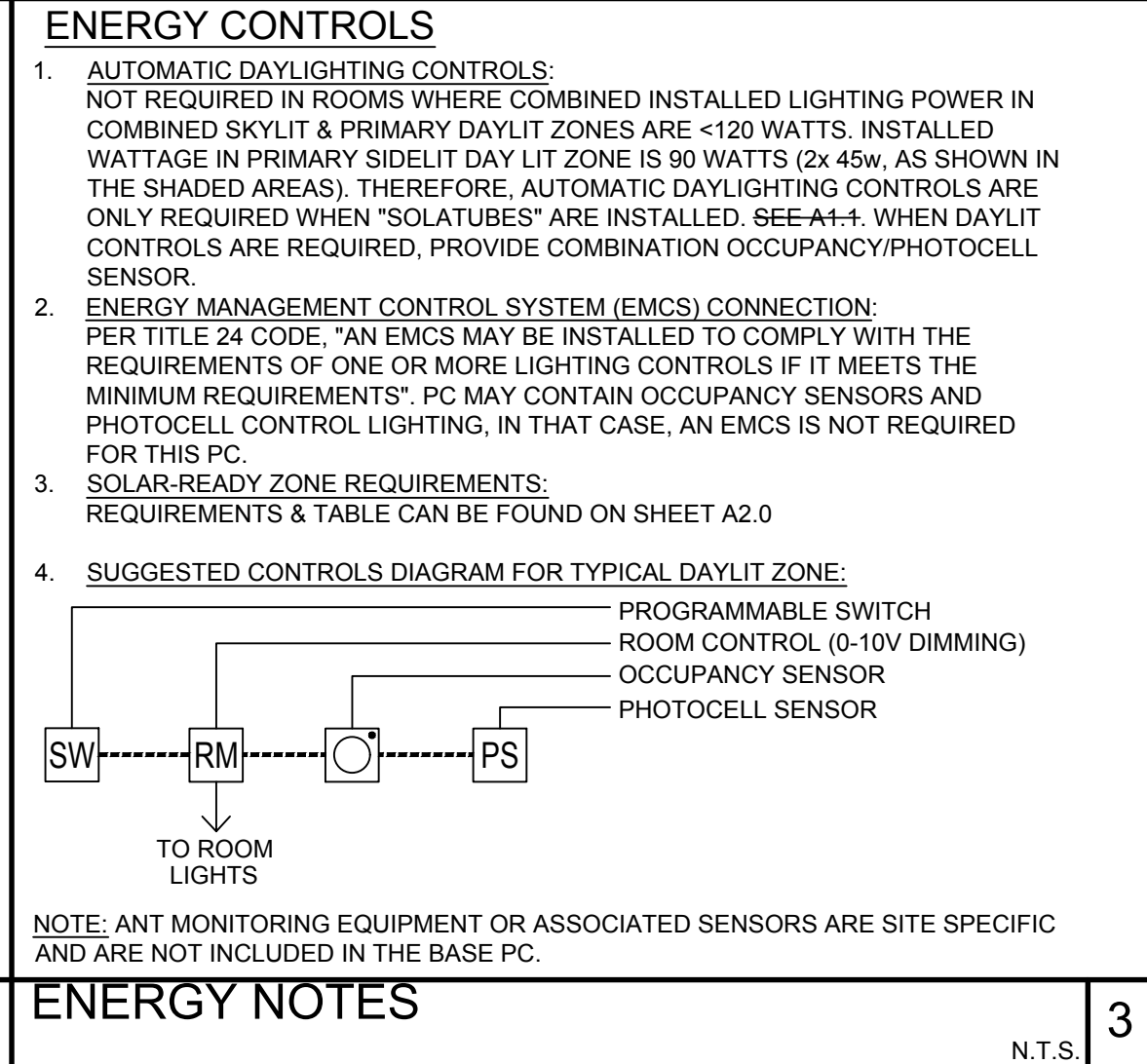
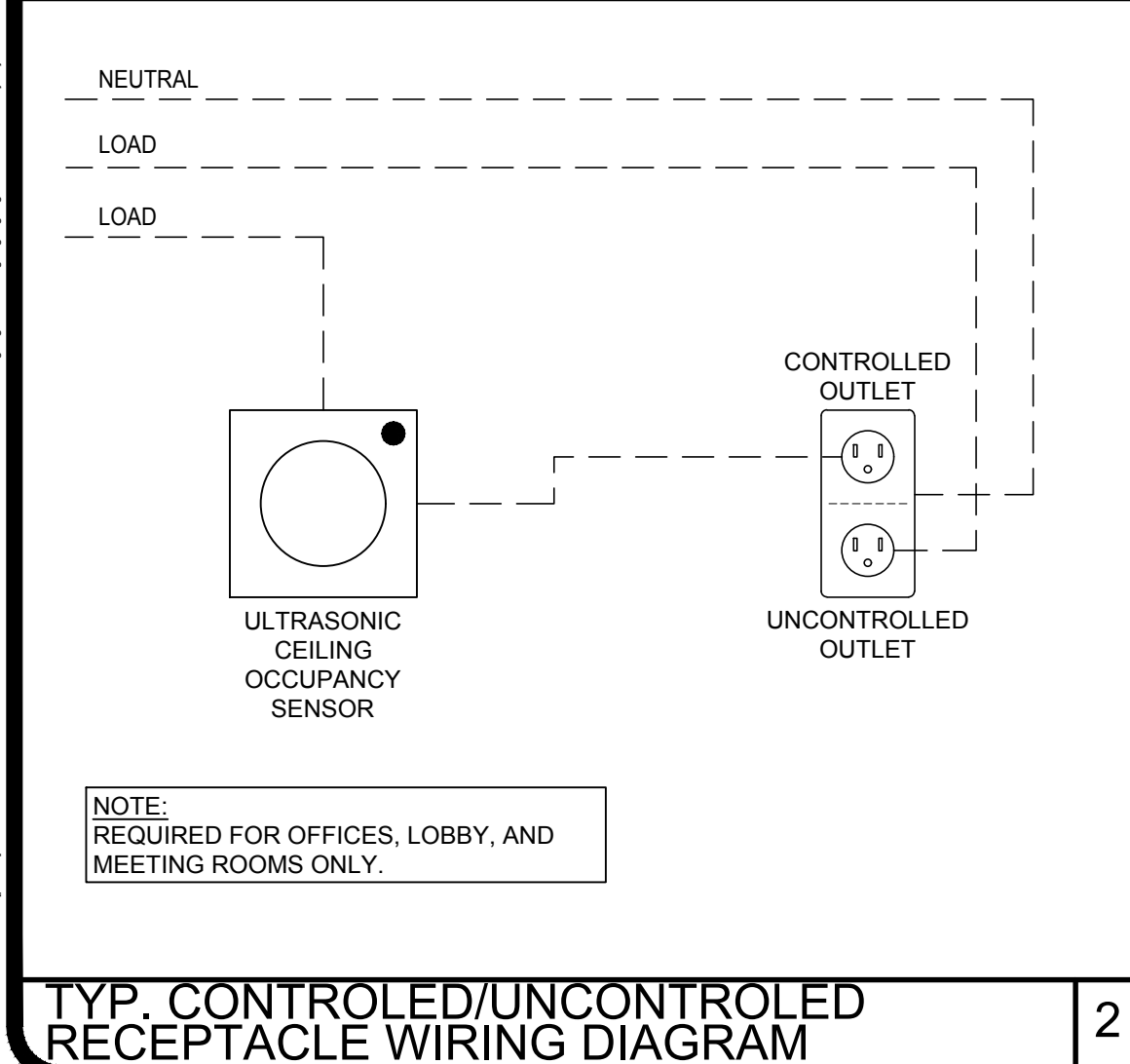
E1.0C-A



ELECTRICAL PLAN - BUILDING E

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

KEY MAP



- ENERGY CONTROLS**
- AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDEWALL DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
 - ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
 - SOLAR-READY ZONE REQUIREMENTS: REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
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 - OCCUPANCY SENSOR
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- NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.
- GENERAL NOTES**
- THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
 - ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
 - PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
 - SEE PLANS FOR LOCATIONS OF ALL DEVICES.
 - STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICALLY ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
 - STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT), DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
 - THE LIGHTS FOR EACH ROOM OVER 250 SQ. FT. SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.
 - FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
 - LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
 - ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.
- DEMAND RESPONSE CONTROLS**
- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
 - DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
 - DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
 - SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.N.O. PER E1.2A-A**
- DUPLEX POWER OUTLET - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.**
- QUAD POWER OUTLET - PROVIDE 2-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.**
- WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.**
- CONTROLLED - SINGLE POLE LIGHT SWITCHES - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE - MOUNT @ +48" A.F.F. TO TOP OF BOX.**
- CONTROLLED-SINGLE POLE LIGHT SWITCH w/ BUILT IN OCCUPANCY SENSOR - MOUNT @ +44" A.F.F. MAX TO TOP OF BOX - LEVITON ODS10-ID OR SIMILAR**
- THERMOSTAT - MOUNT @ +48" A.F.F. TO TOP OF BOX.**
- IP CLOCK/SPEAKER COMBO - 4" SQ. BOX WITH 3/4" CONDUIT TO CEILING - INSTALL @ +96" A.F.F. TO CENTERLINE OF BOX.**
- 1 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.**
- 2 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.**
- 4 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.**
- TELEPHONE - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.**
- INTERCOM CALL SWITCH - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX - WITH 3/4" CONDUIT MOUNT @ 48" TOP OF BOX.**
- AV CONTROL PANEL, EXTRON MLC PLUS 200 WITH 3-GANG RING & 3-GANG BOX - 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.**
- 2X2' LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 3163K LUMENS - 30 WATTS MAX OR EQUAL**
- EXTERIOR SOFFIT MOUNTED 6" ROUND DOWNLIGHT "GOTHAM" EVO SERIES**
- ILLUMINATED EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS**
- AV1 OUTLET - PROVIDE 3-GANG BOX & 3-GANG MUD-RING, WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX**
- AV2 OUTLET - PROVIDE 2-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX**
- AV3 OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT AS SHOWN**
- SECURITY CAMERA - PROVIDE 1-GANG, 4" SQ. BOX WITH 1" CONDUIT TO CEILING**
- INTERIOR SPEAKER - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT TO ATTIC**
- EXTERIOR IP SPEAKER - WEATHER PROOF 8.5"H x 11"W x 4"D VALCOM V-9805 VANDAL RESISTANT ENCLOSURE BOX - BACKBOX SHALL BE FURNISHED & INSTALLED BY AMS WITH 3/4" CONDUIT TO ATTIC SPACE**
- WIRELESS ACCESS POINT**
- FACP - PROVIDE 1-GANG, 4" SQ. BOX WITH WIRE COILED UP FOR HARDWARE OF FACP (BY SITE CONTRACTOR.) MOUNT @ 36" A.F.F.**
- ELECTRICAL J-BOX - ABOVE CEILING - POWER JUNCTION FOR DATA RACK. LEAVE IN ATTIC WITH WHIP FOR SITE INSTALLED ELECTRICAL RECEPTION RACK**
- MOTORIZED WINDOW POWER SUPPLY IN ATTIC (SINGLE GANG BOX)**
- MOTORIZED WINDOW - SINGLE POLE SWITCH - MOUNT @ +48" A.F.F. TO TOP OF SINGLE GANG BOX**
- 30 AMP, 2-POLE FUSIBLE DISCONNECT FOR DUCTLESS SPLIT HVAC UNIT**
- HARDWIRED J-BOX FOR FUTURE EXTERIOR LIGHT FIXTURE BY SITE GC**
- ELECTRICAL INSTANT HOT WATER**
- EXTRON VOICELIFT WIRELESS MIC (NO BACK BOX OR CONDUIT REQUIRED)**
- SHORT-THROW WALL MOUNTED VIDEO PROJECTOR PER E1.2A-A**
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE PHOTOVOLTEIC INVERTER PANEL (BY SITE GC)**
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE WIRELESS ACCESS POINT (BY SITE GC)**
- DEDICATED HARDWARE J-BOX FOR HAND DRYER**
- 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC)**
- SCHLAGE AD-300 PER E1.2A-A**
- ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED)**
- EXHAUST FAN - SEE REFLECTED CEILING PLANS**
- NOTE: ALL BOXES SHALL BE INSTALLED RECESSED WITHIN WALL, UNLESS OTHERWISE NOTED. *T.O.B. - TOP OF BOX**

STANDARD ELECTRICAL SYMBOLS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

AMS
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36' (HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

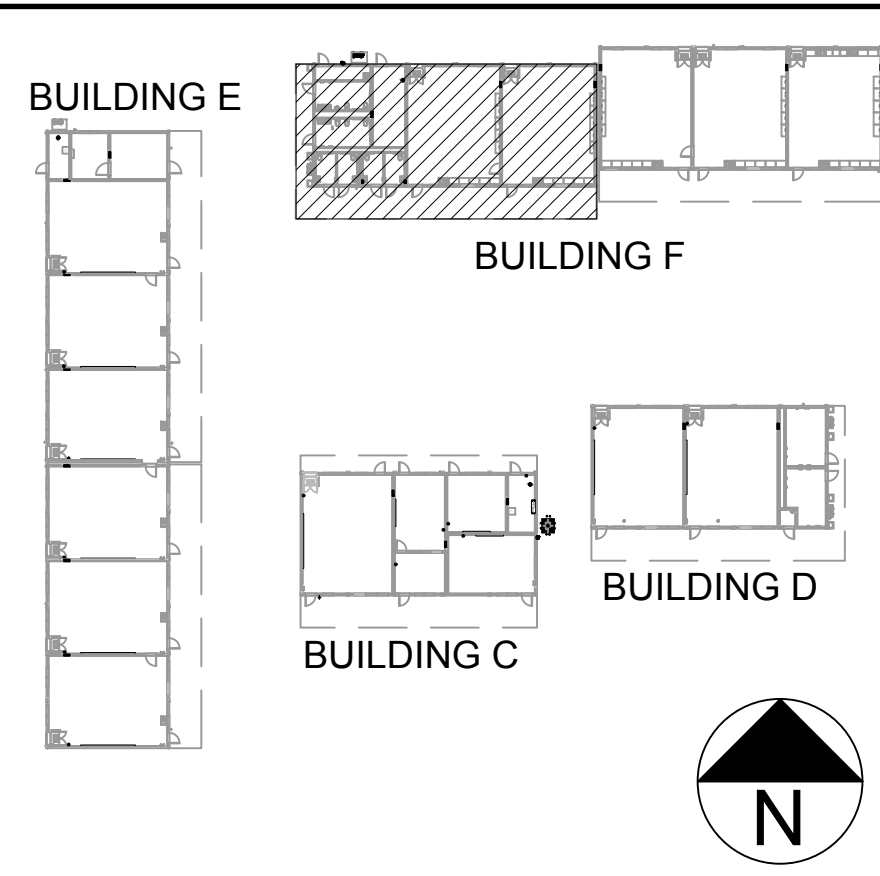
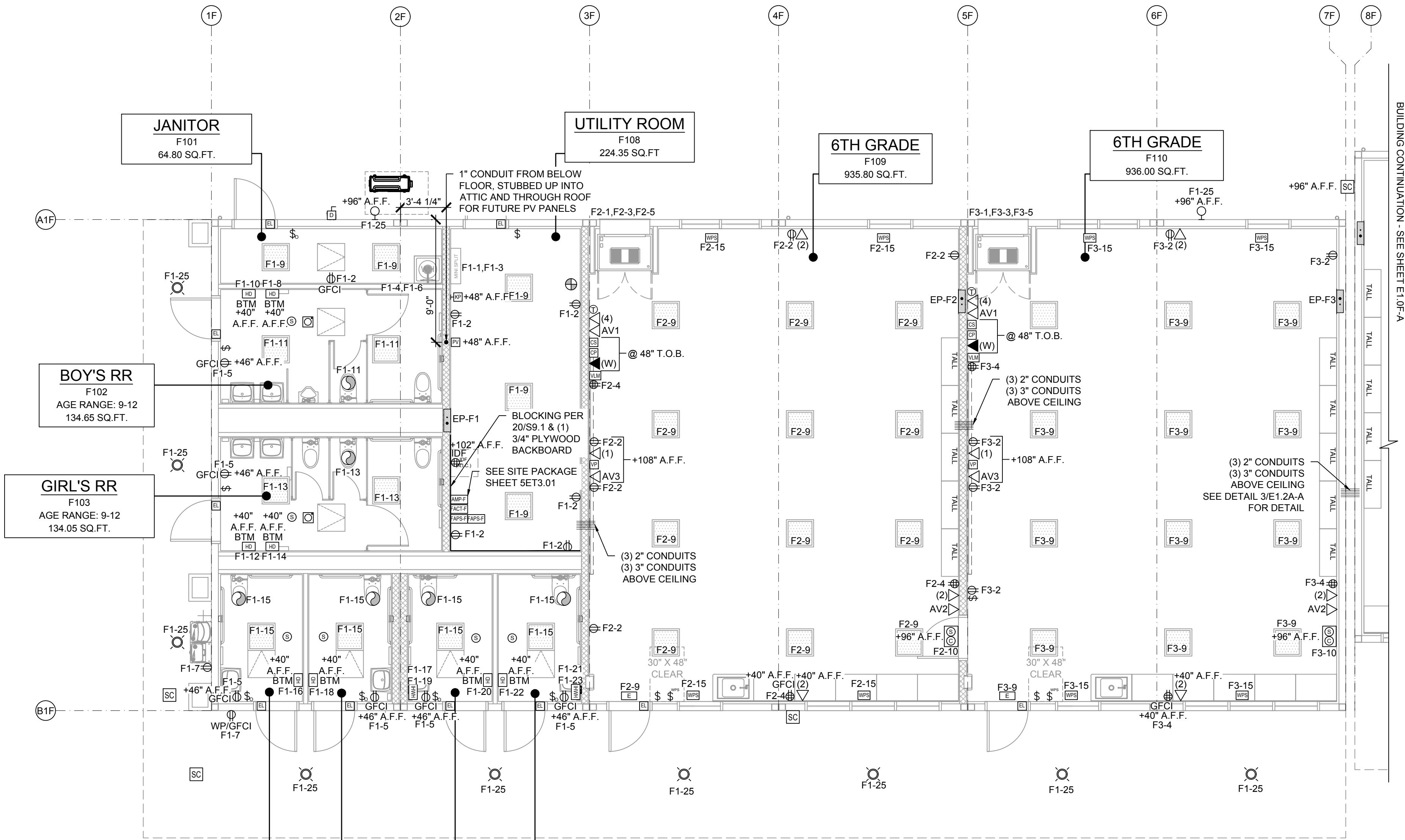
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

NO.	DESCRIPTION

DRAWN BY: AV
SCALE: AS NOTED
DATE: 10/23/25
PROJECT NO: 1902-24
SHEET TITLE:
ELECTRICAL PLAN & NOTES BUILDING E
SHEET NUMBER:

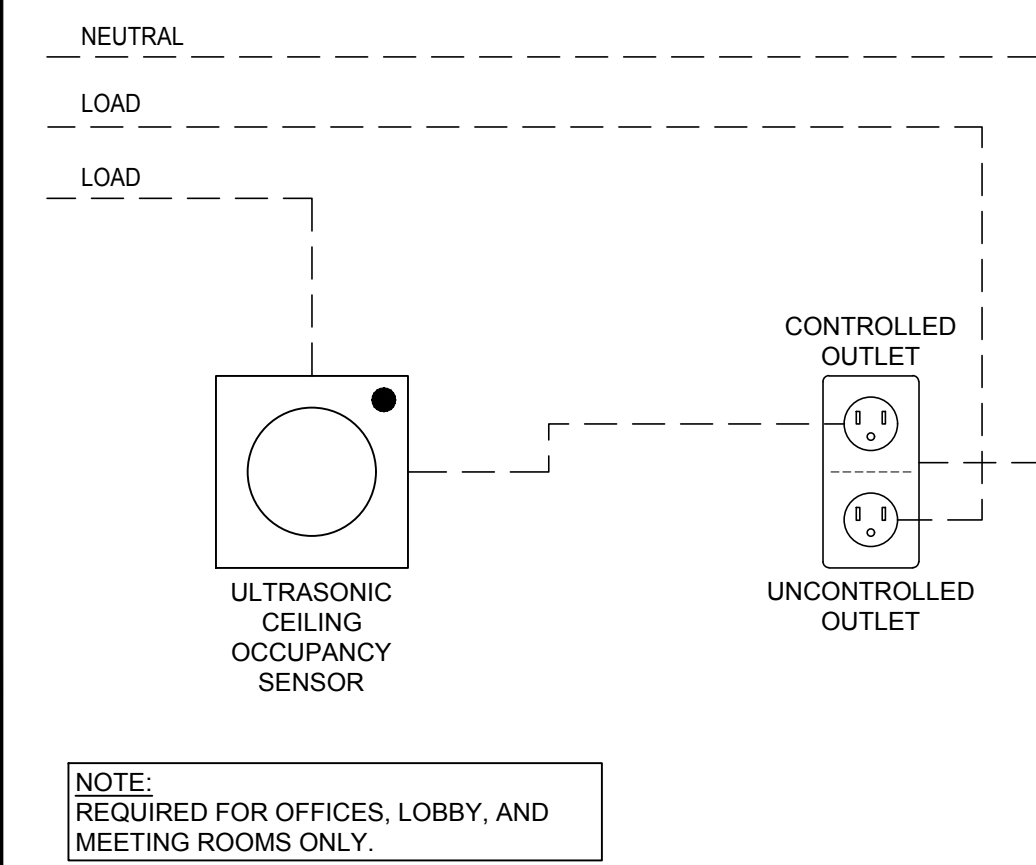
E1.0D-A



ELECTRICAL PLAN - BUILDING F

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

KEY MAP



TYP. CONTROLLED/UNCONTROLLED RECEPTACLE WIRING DIAGRAM

ENERGY CONTROLS

1. AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDEWALL DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.4. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
 2. ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING. IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
 3. SOLAR-READY ZONE REQUIREMENTS: REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
 4. SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIT ZONE:
 - PROGRAMMABLE SWITCH
 - ROOM CONTROL (0-10V DIMMING)
 - OCCUPANCY SENSOR
 - PHOTOCELL SENSOR
- NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

ENERGY NOTES

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
2. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.
5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
7. THE LIGHTS FOR EACH ROOM OVER 250 SQ. FT. SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.
8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
10. ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

DEMAND RESPONSE CONTROLS

1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
2. DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

GENERAL NOTES

- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.N.O. PER E1.2A-A
 - DUPLEX POWER OUTLET - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
 - QUAD POWER OUTLET - PROVIDE 2-GANG, 4" SQ. BOX WITH 3/4" CONDUIT - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
 - WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
 - CONTROLLED - SINGLE POLE LIGHT SWITCHES - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE - MOUNT @ +48" A.F.F. TO TOP OF BOX.
 - CONTROLLED-SINGLE POLE LIGHT SWITCH w/ BUILT IN OCCUPANCY SENSOR - MOUNT @ +44" A.F.F. MAX TO TOP OF BOX - LEVITON ODS10-ID OR SIMILAR
 - THERMOSTAT - MOUNT @ +48" A.F.F. TO TOP OF BOX.
 - IP CLOCK/SPEAKER COMBO - 4" SQ. BOX WITH 3/4" CONDUIT TO CEILING - INSTALL @ +96" A.F.F. TO CENTERLINE OF BOX.
 - 1 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
 - 2 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
 - 4 - PORT DATA OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX, U.N.O.
 - TELEPHONE - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.
 - INTERCOM CALL SWITCH - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX - WITH 3/4" CONDUIT MOUNT @ 48" TOP OF BOX.
 - AV CONTROL PANEL, EXTRON MLC PLUS 200 WITH 3-GANG RING & 3-GANG BOX - 1" CONDUIT TO CEILING - MOUNT @ 48" TOP OF BOX.
 - 2'x2' LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 3163K LUMENS - 30 WATTS MAX OR EQUAL
 - EXTERIOR SOFFIT MOUNTED 6" ROUND DOWNLIGHT "GOTHAM" EVO SERIES
 - ILLUMINATED EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS
 - AV1 OUTLET - PROVIDE 3-GANG BOX & 3-GANG MUD-RING WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX
 - AV2 OUTLET - PROVIDE 2-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT @ +18" A.F.F. TO CENTERLINE OF BOX
 - AV3 OUTLET - PROVIDE 1-GANG MUD-RING, 4" SQ. BOX WITH 1" CONDUIT TO CEILING - MOUNT AS SHOWN
 - SECURITY CAMERA - PROVIDE 1-GANG, 4" SQ. BOX WITH 1" CONDUIT TO CEILING
 - INTERIOR SPEAKER - PROVIDE 1-GANG, 4" SQ. BOX WITH 3/4" CONDUIT TO ATTIC
 - EXTERIOR IP SPEAKER -WEATHER PROOF 8.5"X11"W X4"D VALCOM V-9805 VANDAL RESISTANT ENCLOSURE BOX - BACKBOX SHALL BE FURNISHED & INSTALLED BY AMS WITH 3/4" CONDUIT TO ATTIC SPACE
 - WIRELESS ACCESS POINT
 - FACP - PROVIDE 1-GANG, 4" SQ. BOX WITH WIRE COILED UP FOR HARDWARE OF FACP (BY SITE CONTRACTOR.) MOUNT @ 36" A.F.F.
 - ELECTRICAL J-BOX - ABOVE CEILING - POWER JUNCTION FOR DATA RACK. LEAVE IN ATTIC WITH WHIP FOR SITE INSTALLED ELECTRICAL RECEPTION RACK
 - MOTORIZED WINDOW POWER SUPPLY IN ATTIC (SINGLE GANG BOX)
 - MOTORIZED WINDOW - SINGLE POLE SWITCH - MOUNT @ +48" A.F.F. TO TOP OF SINGLE GANG BOX
 - 30 AMP, 2-POLE FUSIBLE DISCONNECT FOR DUCTLESS SPLIT HVAC UNIT
 - HARDWIRED J-BOX FOR FUTURE EXTERIOR LIGHT FIXTURE BY SITE GC
 - ELECTRICAL INSTANT HOT WATER
 - EXTRON VOICELIFT WIRELESS MIC (NO BACK BOX OR CONDUIT REQUIRED)
 - SHORT-THROW WALL MOUNTED VIDEO PROJECTOR PER E1.2A-A
 - 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE PHOTOVOLTEIC INVERTER PANEL (BY SITE GC)
 - 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE WIRELESS ACCESS POINT (BY SITE GC)
 - DEDICATED HARDWARE J-BOX FOR HAND DRYER
 - 4S J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC)
 - SCHLAGE AD-300 PER E1.2A-A
 - ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED)
 - EXHAUST FAN - SEE REFLECTED CEILING PLANS
- NOTE: ALL BOXES SHALL BE INSTALLED RECESSED WITHIN WALL, UNLESS OTHERWISE NOTED.
*T.O.B. - TOP OF BOX

STANDARD ELECTRICAL SYMBOLS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

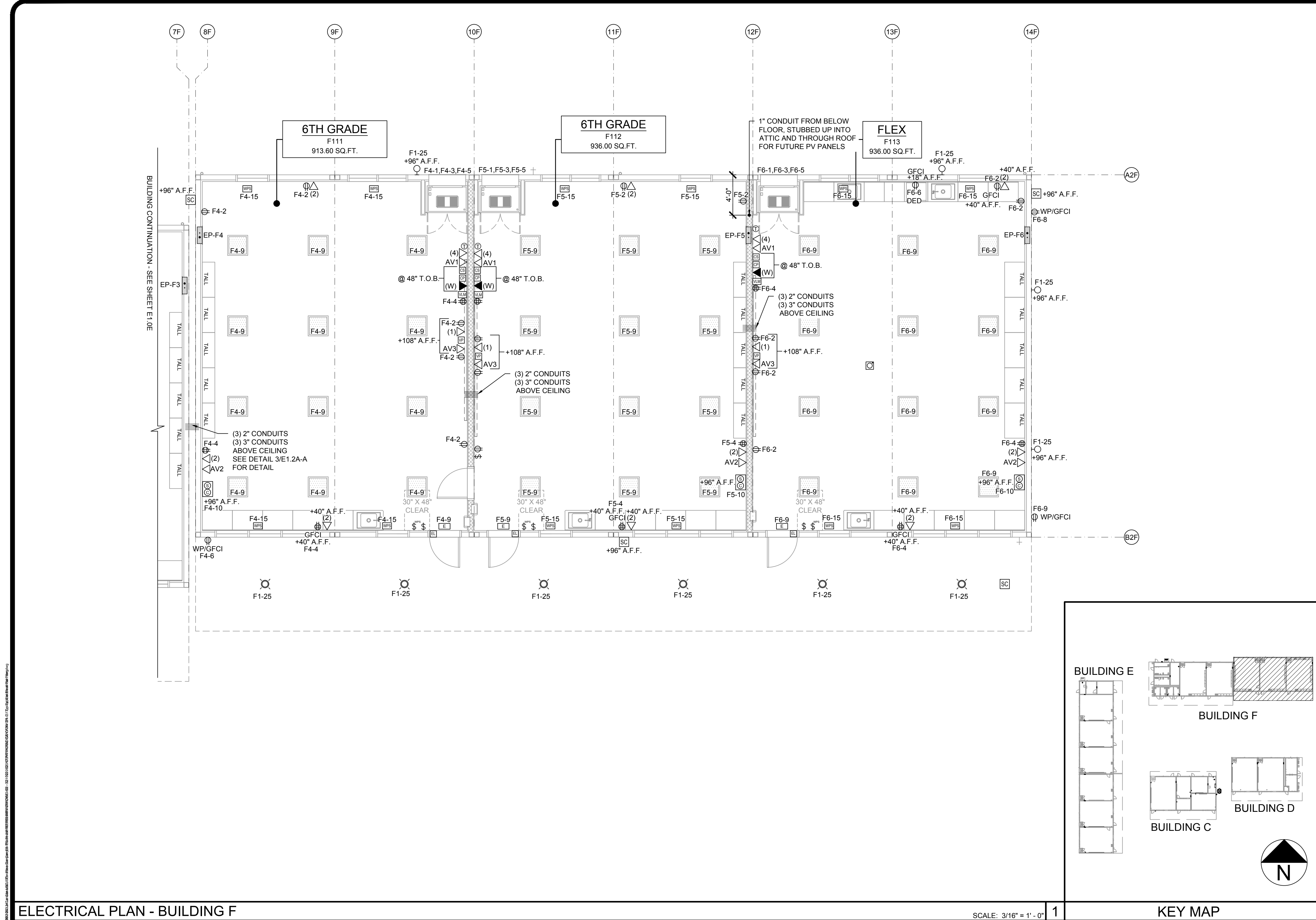
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REVISIONS

NO.	DESCRIPTION

DRAWN BY: AV
SCALE: AS NOTED
DATE: 2/23/26
PROJECT NO: 1902-24
SHEET TITLE:
**ELECTRICAL PLAN & NOTES
BUILDING F**
SHEET NUMBER:

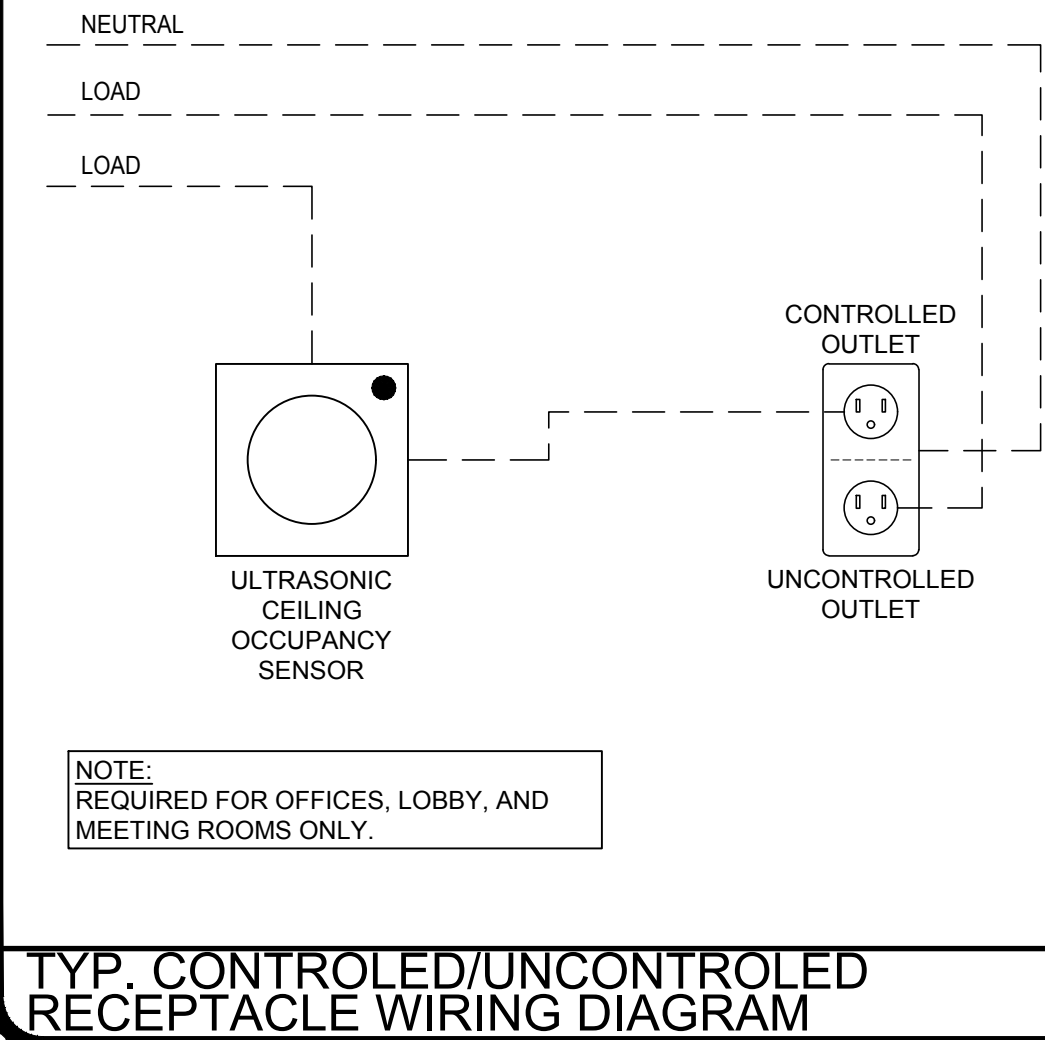
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ELECTRICAL PLAN - BUILDING F

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

KEY MAP



ENERGY CONTROLS

- AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SKYLIT DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.4. WHEN DAYLIT CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL SENSOR.
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING. IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.
- SOLAR-READY ZONE REQUIREMENTS: REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0
- SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIT ZONE:

NOTE: ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THE BASE PC.

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- THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
- ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.
- PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
- SEE PLANS FOR LOCATIONS OF ALL DEVICES.
- STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICALLY ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
- STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
- THE LIGHTS FOR EACH ROOM OVER 250 SQ. FT. SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.
- FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

N.T.S.

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

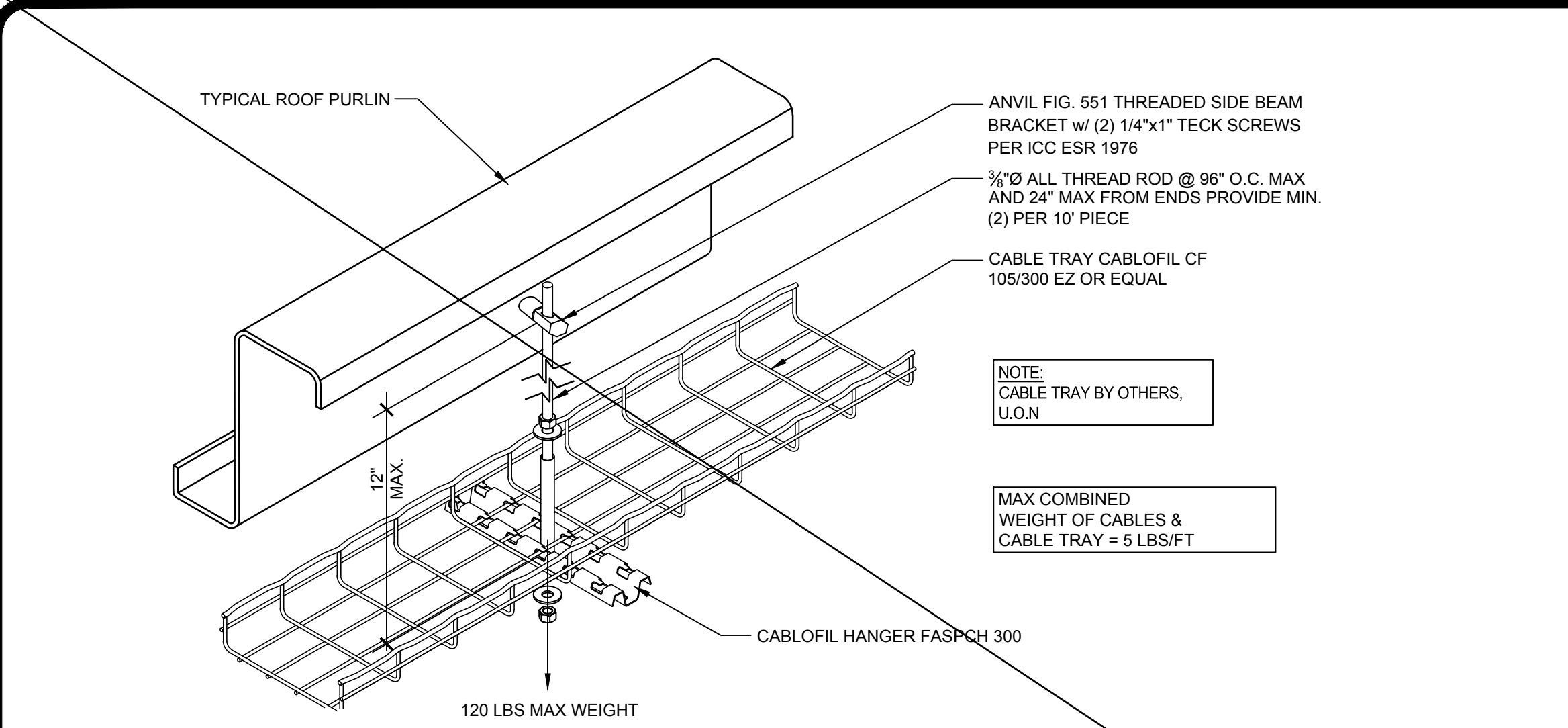
KEY MAP

- LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
 - ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.
- DEMAND RESPONSE CONTROLS
- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
 - DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.
 - DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
 - SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

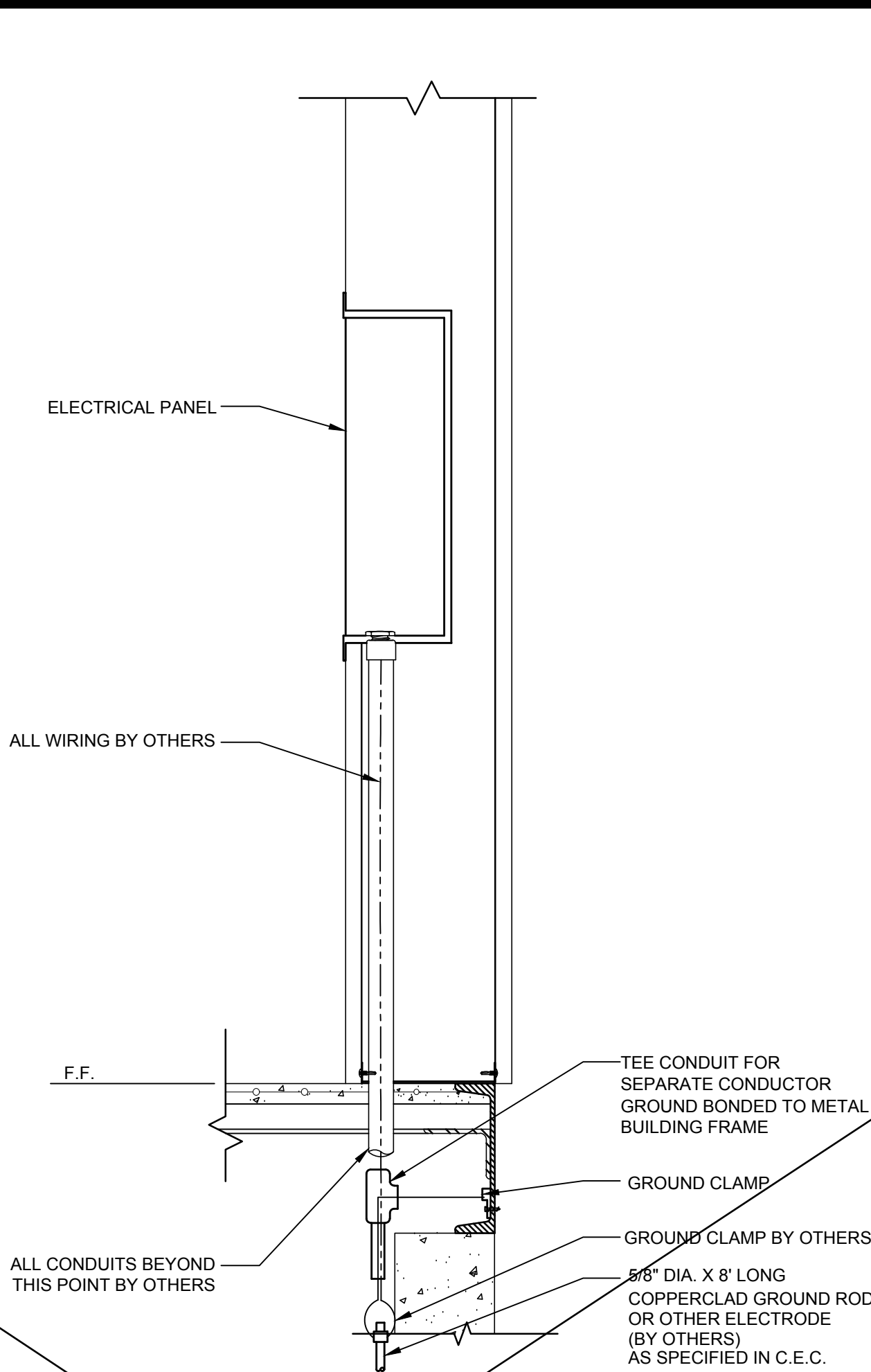
GENERAL NOTES

- IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
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DATE: 05/07/2026
- AMS
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com
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- PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS
- SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS
- MANUFACTURER PROFESSIONAL OF RECORD
PATRICK CANNON
No. C12631
Ren. 3-31-27
STATE OF CALIFORNIA
- THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.
- REVISIONS
- | | |
|----|---|
| 1 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 2 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 3 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 4 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 5 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 6 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 7 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 8 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 9 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
| 10 | 45 J-BOX WITH 3/4" CONDUIT FOR FUTURE ALARM CONSOLE KEYPAD (BY SITE GC) |
- DRAWN BY: AV
SCALE: AS NOTED
DATE: 2/23/26
PROJECT NO: 1902-24
SHEET TITLE: ELECTRICAL PLAN & NOTES BUILDING F
SHEET NUMBER: E1.0F-A
- NOTE: ALL BOXES SHALL BE INSTALLED RECESSED WITHIN WALL, UNLESS OTHERWISE NOTED.
*T.O.B. - TOP OF BOX

STANDARD ELECTRICAL SYMBOLS



CABLE TRAY DETAIL SCALE: N.T.S. 1



REFER TO SHEET E1.2A-A & E1.2B-A FOR SITE-SPECIFIC SHEET

NOT USED SCALE: 1-1/2" = 1' - 0"

PANEL: A S/N:	PHASE: SINGLE	VOLTS: 120/240	BUSS: 125 AMP	MAIN: 100	LOCATION: INTERIOR	FEED: BOTTOM	MOUNTING: SURFACE
OBJECT DESCRIPTION	WATT NO. PER OF LCL	WATTS A B	WIRE BRK POLE SIZE	CKT NO AB NO	WIRE SIZE POLE BRK	WATTS A B	OBJECT DESCRIPTION
INT. LIGHT LED	40 8 x	320	20 1 #12	1 x 2	#6 1 60	5760	4 TON VCHVAC UNIT
BLANK/SPARE		0		3 x 4	#6 1 60	5760	4 TON VCHVAC UNIT
EXT. LIGHTS	75 1 x	75	20 1 #12	5 x 6		0	F.A.C.P.
REC. CONTROLLED	180 1 x	180	20 1 #12	7 x 8		0	FUTURE SOLAR ELEC
REC. UNCONTROLLED	180 1 x	180	20 1 #12	9 x 10		0	BLANK/SPARE
REC. GFC	180 1 x	180	20 1 #12	11 x 12		0	BLANK/SPARE
LEG TOTALS		575 360				5760 5760	LEG TOTALS
LCL=3113.75+12455=15568.75							
TOTAL WATTS=15568.75			LEG BALANCE = 1.7%			TOTAL AMPS: 64.87	

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED
MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

LOAD PANEL CALCULATIONS

- FIRE ALARM SYSTEM
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIF. FIRE CODE, & CA BUILDING CODE.
 - INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.
 - UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
 - JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
 - COVERS- INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS
 - THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALL, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHALL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2022 EDITION OF NFPA 72.
 - THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL
 - ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 50 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH-EVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1)
 - THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3)
 - AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 CHAPTER 26 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UJFX OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 10db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY PER (CBC).

- GENERAL NOTES
- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
 - PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
 - PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.
 - ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.
 - WHERE FLEXIBLE CONDUIT IS PASSING BETWEEN BUILDING SEPARATION JOINTS, PROVIDE SUFFICIENT LENGTH OF CONDUIT TO PERMIT DIFFERENTIAL DISPLACEMENTS BETWEEN BUILDINGS IN COMPLIANCE WITH ASCE 7 SECTION 13.6.9 & DSA IR PC-2 SECTION 1.18. ADDITIONAL CONDUIT & JOINT DETAIL SHALL BE PROVIDED BY OTHERS.

- FIXTURE NOTES:
- ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
 - LUMINARIES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
 - FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.
 - ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
 - MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
 - ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
 - 2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.
 - FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE FIXTURE.
 - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 120V 60 CYCLE
B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APP'D RECEPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING.
C. IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.

GENERAL NOTES

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APP: 03-125476 INC:
REVIEWED FOR
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DATE: 05/07/2026

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

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
.

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DATE: 05/14/2024

2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.
MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
PATRICK CAMPBELL
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

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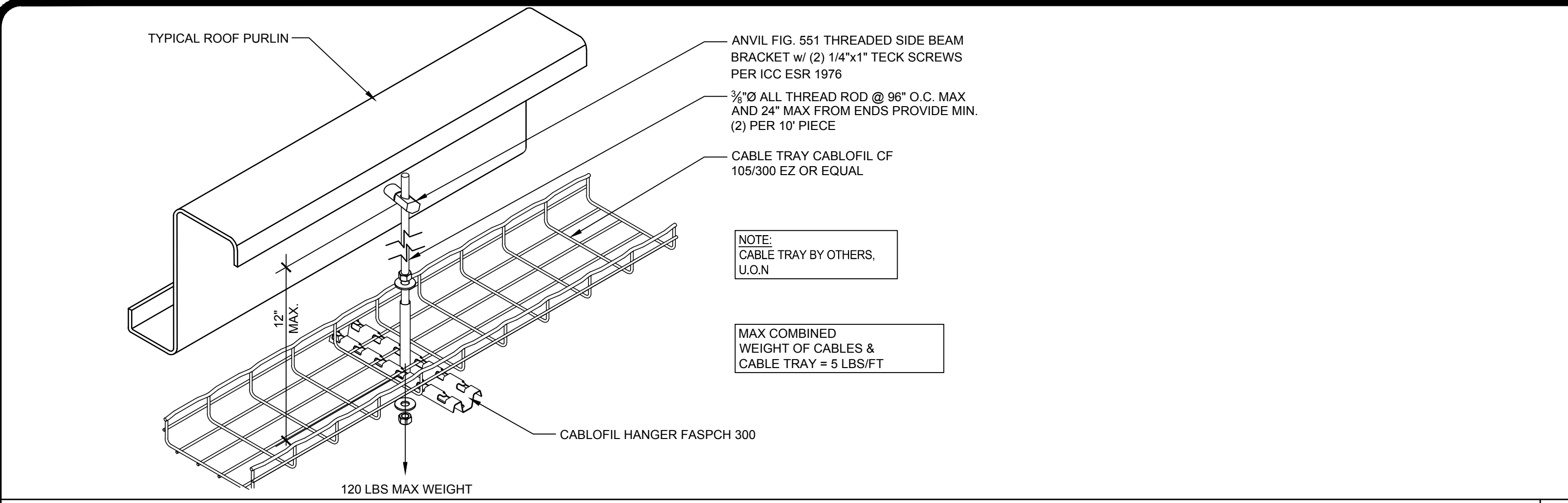
REVISIONS
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SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

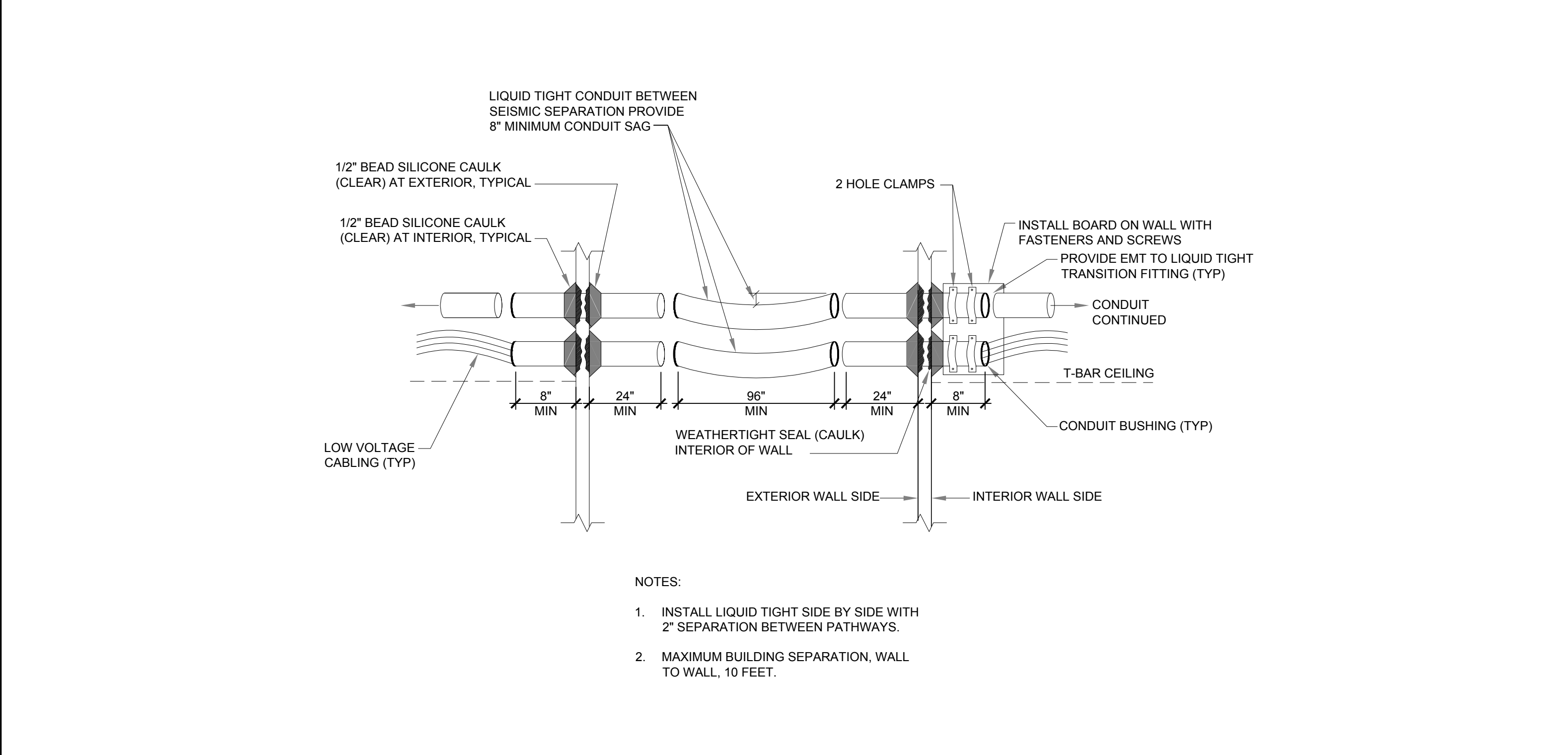
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ELECTRICAL NOTES
& DETAILS

SHEET NUMBER:

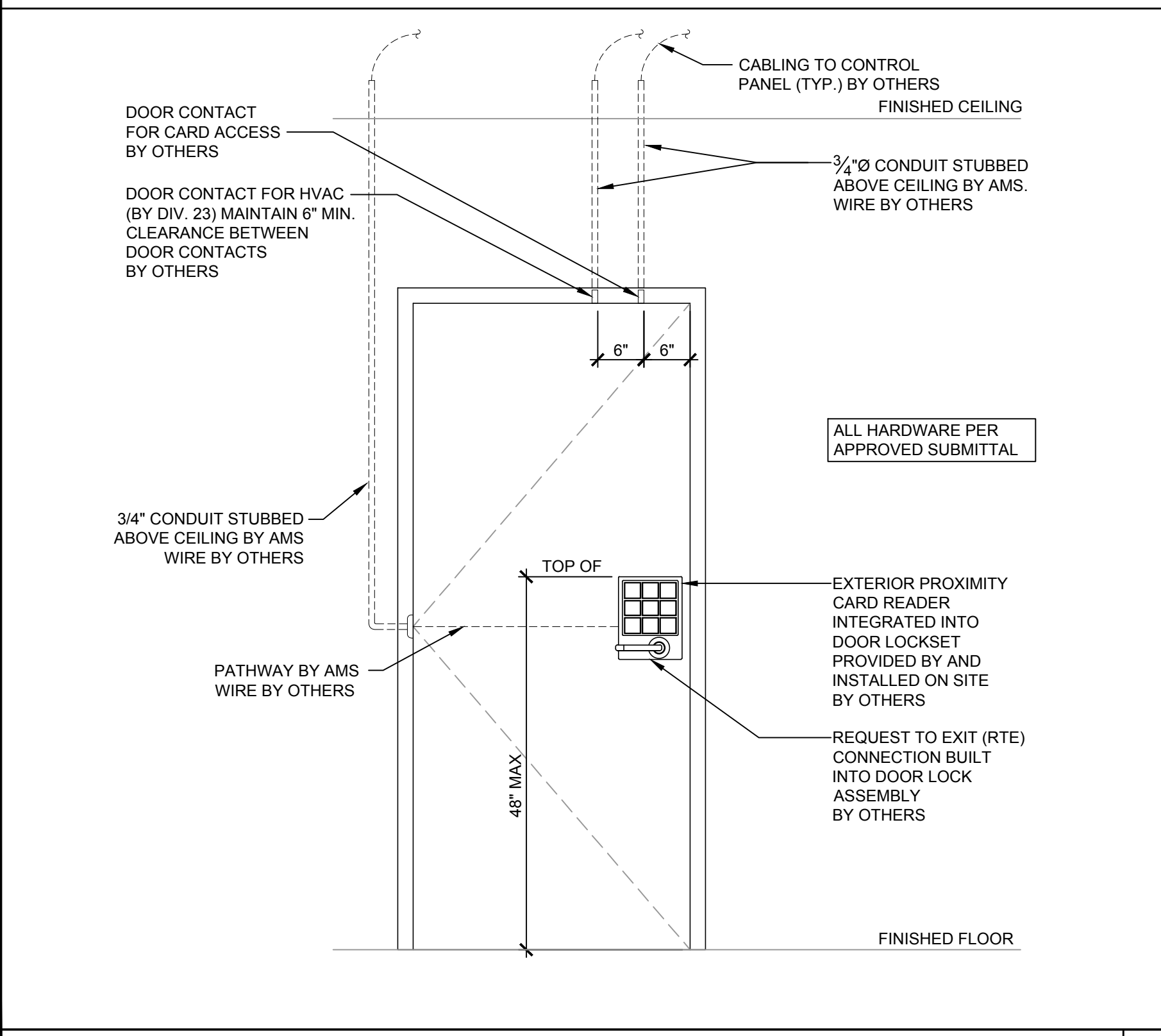
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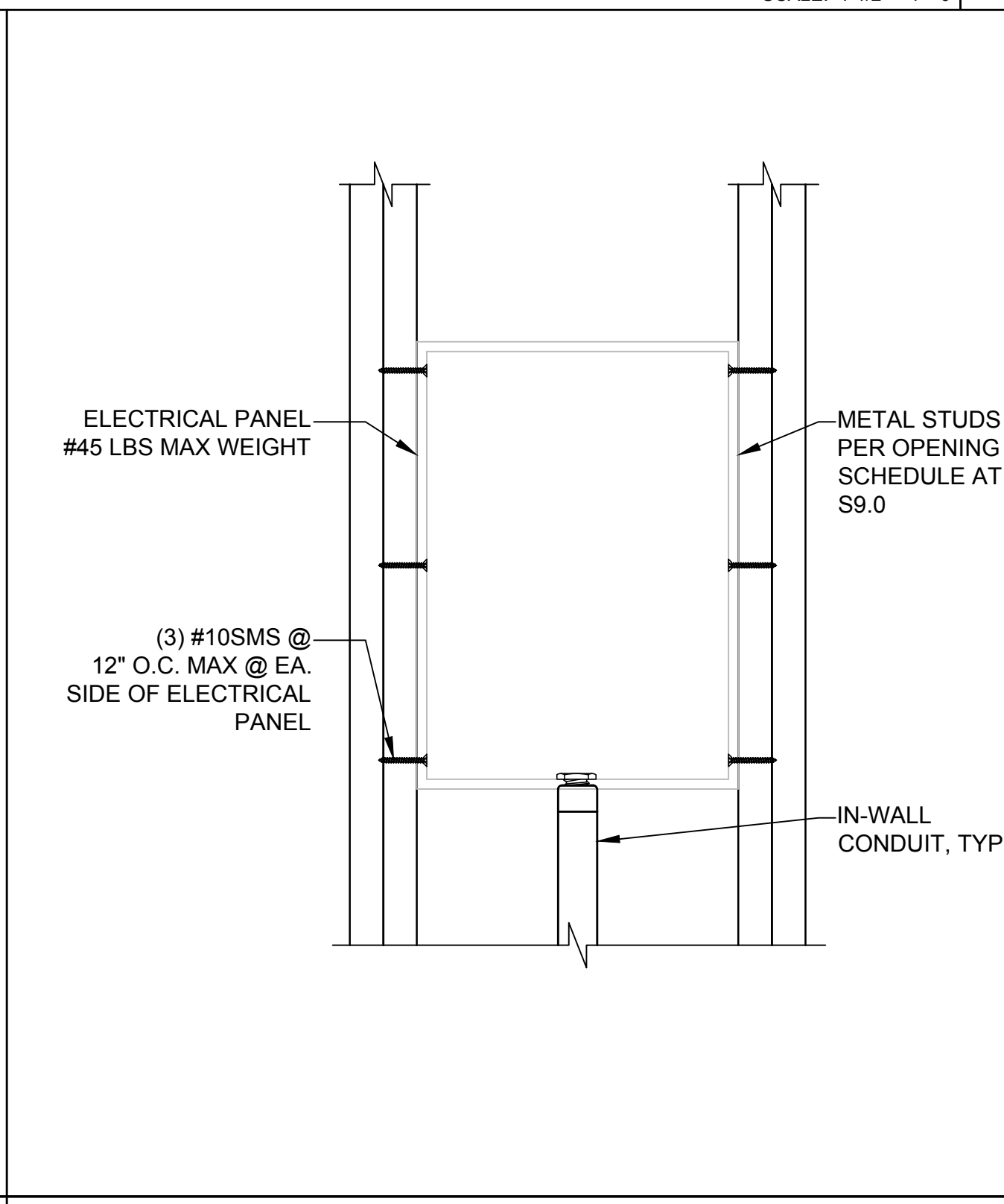
CABLE TRAY DETAIL SCALE: N.T.S 1



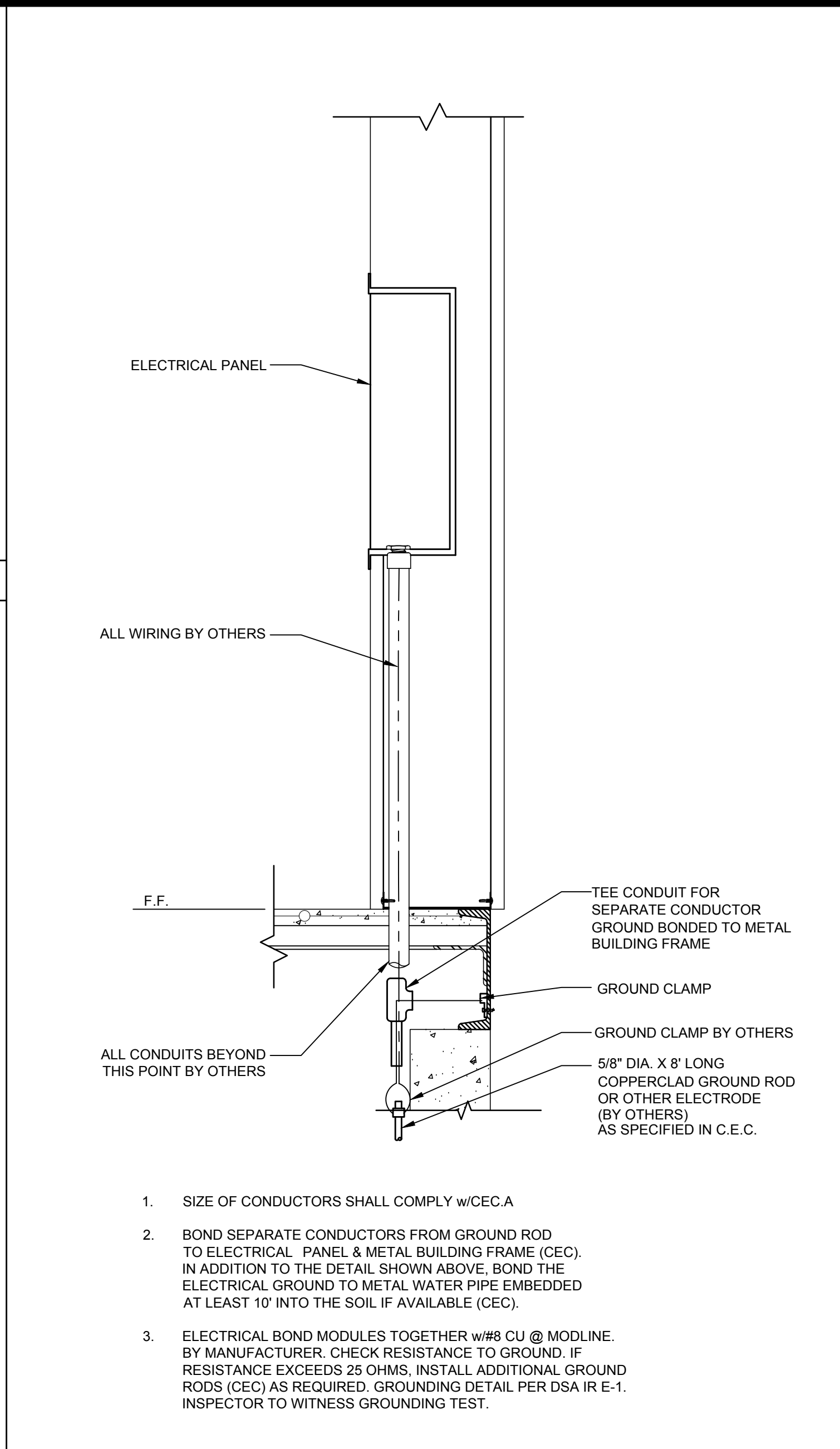
FLEXIBLE CONNECTION DETAIL ACROSS SEISMIC SEPARATION JOINT SCALE: 1-1/2" = 1' - 0" 3



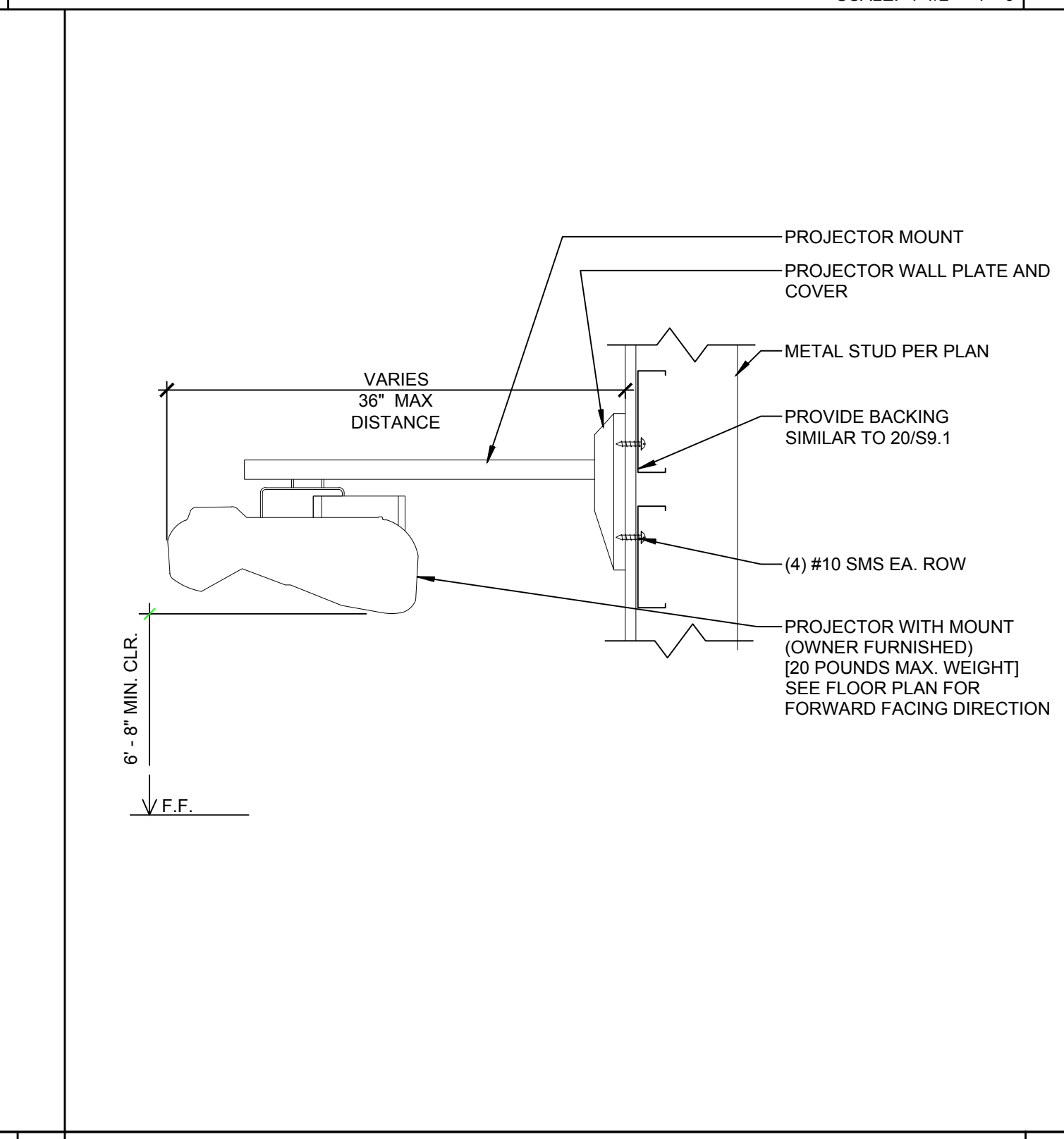
CONDUIT DETAIL FOR CARD ACCESS DOORS SCALE: 1-1/2" = 1' - 0" 5



ELECTRICAL PANEL MOUNTING DETAIL SCALE: N.T.S 6



ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION SCALE: 1-1/2" = 1' - 0" 2



WALL MOUNTED PROJECTOR DETAIL SCALE: 1-1/2" = 1' - 0" 7

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 - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
 - CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
 - CLOCK OUTLET SHALL BE BRYANT #2628 OR EQUAL WITH SEPARABLE HANGING CLIP & APPD RECEIPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING.
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AMS
American Modular Systems
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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36' (HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
**PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS**

MANUFACTURER PROFESSIONAL OF RECORD

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

REVISIONS

DRAWN BY: AV
SCALE: AS NOTED
DATE: 2/18/26
PROJECT NO: 1902-24
SHEET TITLE:

**ELECTRICAL NOTES
& DETAILS**

SHEET NUMBER:

E1.2A-A

BUILDING C

PANEL: C1 SERIAL NO:		PHASE:		VOLTS:			BUSS:			MAIN:			LOCATION:			FEED:			MOUNTING:					
		3Ø		120/208			125 Amp			100 Amp			Interior			Bottom			Recessed					
OBJECT DESCRIPTION	WATTS PER OF	NO. OF	LCL	A	B	C	BRK	POLE	WIRE SIZE	CTY NO	LEGS A B C	CTY NO	WIRE SIZE	POLE	BRK	A	B	C	LCL	NO. OF	WATTS PER	OBJECT DESCRIPTION		
HVAC 4-TON	4608	1	X	4608					50	3	#6	1	X	2	#12	1	20	540		3	180	Exterior Recept		
	4608	1	X		4608							3	X	4	#12	1	20	1440		4	360	Quad Recept		
	4608	1	X			4608						5	X	6	#12	1	20			5	180	Recept		
	4608	1	X									7	X	8	#12	1	20	180		7	180	Clock/speaker combi		
Exterior Soft Lights	30	12			360					20	1	#12	9	X	10	#12		0	0					
Interior Lights	49	12			588					20	1	#12	11	X	12			0	0					
Motorized Window			0			0		20	1	#12	13	X	14				0	0						
	200	4			800			20	1	#12	15	X	16											
			0									17	X	18										
			0									19	X	20			0	0						
			0									21	X	22										
			0			0						23	X	24				0	0					
			0									25	X	26			0	0						
LEG TOTALS		4968	5996	4608								29	X	30	#12	1	20		1200	1200		Fire sprinkler Bel		
LCL=3458+1832+21288		LEG BALANCE =										13.3%										TOTAL AMPS: 64.72		
TOTAL WATTS=21288																								

PANEL: C2 SERIAL NO:	PHASE:	VOLTS:			BUSS:			MAIN:			LOCATION:			FEED:			MOUNTING:							
	3Ø	120/208			125 AMP			100 AMP			Interior			Bottom				Recessed						
OBJECT DESCRIPTION	WATTS PER OF	LCL	A	B	C	BRK	POLE	WIRE SIZE	CTY NO	LEGS A B C	CTY NO	WIRE SIZE	POLE	BRK	A	B	C	LCL	NO. OF	WATTS PER	OBJECT DESCRIPTION			
Interior Lights	49	8	392					20	1	#12	1	2	#12	1	20	490			10	49	Interior Lights			
Recept	180	6			1440			20	1	#12	3	X	4	#12	1	20		540	3	180	Clock/speaker			
Quad Recept	360	1			360			20	1	#12	5	X	6	#12	1	20		1080	4	180	Recept			
Motorized window	200	4	800					20	1	#12	7	X	8	#12	1	20		360	1	360	Quad recept			
			0		0			9	X	10	#12	1	20		540	0		3	180	Recept				
	5574	1	5574			75	1	#14	13	X	14		1	15	4326			1	4326					
"FC-2" Ceiling Unit	5574	1	5574			/	/	/	16	X	16				4326			/	4326		"FC-1" Ceiling Unit			
			0		0			19	X	20					0		0							
			0		0			21	X	22					0		0							
			0		0			23	X	24					0		0							
			0		0			26	X	26					0		0							
			0		0			27	X	28					0		0							
			0		0			29	X	30	#12	1	20		3176	5406	1080							
LEG TO TALS		6766	7014	360														LEG TO TALS						
LCL=4+25802+25802		LEG BALANCE =										79.2%										TOTAL AMPS: 71.70		
TOTAL WATTS=25802																								

PANEL: C3 SERIAL NO:	PHASE:	VOLTS:			BUSS:			MAIN:			LOCATION:			FEED:			MOUNTING:							
	3Ø	120/208			225 Amp			200 Amp			Interior			Bottom			Recessed							
OBJECT DESCRIPTION	WATTS PER OF	LCL	A	B	C	BRK	POLE	WIRE SIZE	CTY NO	LEGS A B C	CTY NO	WIRE SIZE	POLE	BRK	A	B	C	LCL	NO. OF	WATTS PER	OBJECT DESCRIPTION			
Interior lights	49	10	490			20	1	#12	1	X	2	#12	1	20	720				4	180	Receipts			
Quad Recept 1DF	360	1		360		20	1	#12	3	X	4	#12	3	20	720			4	180	Receipts				
Clock/speaker	180	1			180	20	1	#12	5	X	6	#12	1	20		360			6	360	Quad Recept			
	5574	1	5574			15	1	#14	7	X	8	#14	1	15	7321				1	7321	FC-3" Ceiling Unit			
FC-2" Ceiling Unit	5574	1		5574	0	/	/	/	9	X	10	/	/	/	7321				/	7321				
	4992	1		4992	0	15	1	#14	13	X	14	#14	1	15	1996				0	1996				
BC-1" BC Control Unit	4992	1			4992	0	/	/	15	X	16	/	/	/	1996				0	1996	FC-4" Mini Split			
	2250	1		2250	0	30	2	#10	19	X	20	/	20	1664				0	1	1664				
Water Heater	2250	1			2250	0	/	/	21	X	22	#14	1	15	1664				0	1664	CU 1" Shared Condenser			
									23	X	24	26			1664				0	1664				
									27	X	28				1664				0	1664				
									29	X	30					0			0					
LEG TOTALS		13306	13776	180											11701	11701	2024		LEG TOTALS					
LCL=NO+52088=52088		LEG BALANCE =										83.8%										TOTAL AMPS: 144.75		
TOTAL WATTS=52088																						TOTALS		

BUILDING D

PANEL: D1 SERIAL NO: 100 Amp	PHASE: 3Ø			VOLTS: 120/208			BUSS: 125 Amp			MAIN: 100 Amp			LOCATION: Interior			FEED: Bottom			MOUNTING: Recessed					
	WATTS PER OF	NO. OF	LCL	A	B	C	BRK	POLE	WIRE SIZE	CTY NO	LEGS A B C	CTY NO	WIRE SIZE	POLE	BRK	A	B	C	LCL	NO. OF	WATTS PER	OBJECT DESCRIPTION		
HVAC 4-TON	4608	1	X	4608					50	3	#6	1	X	2	#12	1	20	1440		3	180	Exterior Recept		
	4608	1	X	4608					50	3	#6	3	X	4	#12	1	20		4	360	Quad Recept			
	4608	1	X	4608					50	3	#6	5	X	6	#12	1	20		5	180	Recept			
	4608	1	X	4608					50	3	#6	7	X	8	#12	1	20		7	180	Clock/speaker comb			
Exterior Soft Lights	30	12		360					20	1	#12	9	X	10	#12	1	20		9	180	Clock/speaker comb			
Interior Lights	49	12		588					20	1	#12	11	X	12					11	180	Clock/speaker comb			
Motorized Windows	200	4		800					20	1	#12	13	X	14					13	180	Clock/speaker comb			
				0						20	1	#12	15	X	16				15	180	Clock/speaker comb			
				0						20	1	#12	17	X	18				17	180	Clock/speaker comb			
				0						20	1	#12	19	X	20				19	180	Clock/speaker comb			
				0						20	1	#12	21	X	22				21	180	Clock/speaker comb			
				0						20	1	#12	23	X	24				23	180	Clock/speaker comb			
				0						20	1	#12	25	X	26				25	180	Clock/speaker comb			
LEG TOTALS		4968	5996	4808						720	1440	2100								1200		Fire sprinkler Bell		
LCL=3458+1832+21288		LEG BALANCE = 13.3%										TOTAL AMPS: 64.72												
TOTAL WATTS=21288																								

PANEL: D2 SERIAL NO: 100 Amp		PHASE: 3Ø		VOLTS: 120/208			BUSS: 125 Amp			MAIN: 100 Amp			LOCATION: Interior			FEED: Bottom			MOUNTING: Recessed												
OBJECT DESCRIPTION		WATTS PER OF	NO. OF	LCL	A	B	C	BRK	POLE	WIRE SIZE	CTY NO	LEGS A B C	CTY NO	WIRE SIZE	POLE	BRK	A	B	C	LCL	NO. OF	WATTS PER	OBJECT DESCRIPTION								
HVAC 4-TON	4608	1	X	4608						50	3	#6	1	X	2	#12	1	20	900		3	180	Recepticle								
	4608	1	X	4608						50	3	#6	3	X	4	#12	1	20	1080		3	360	Quad Recepticle								
	4608	1	X							50	3	#6	5	X	6	#12	1	20		360	1	180	Quad Recepticle								
	4608	1	X							50	3	#6	7	X	8	#12	1	20	540		3	180	RR/Riser Recept/Speaker/Clock								
Interior Lights	49	12			588					20	1	#12	9	X	10	#12	1	20			1	180	Hand Dryer								
RR Interior Light / Fans	116	8				928				20	1	#12	11	X	12			1500		0	1	1500	Hand Dryer								
										20	1	#12	13	X	14	#12	1	20					Hand Dryer								
Motorized Windows	200	4			800					20	1	#12	15	X	16					0		1	1500	Hand Dryer							
Drinking Fountain	15	1				15				20	1	#12	17	X	18					0			Hand Dryer								
Hand dryer	1500	1		1500						20	1	#12	19	X	20	#12	1	20	1500		0	1	1500	Hand Dryer							
					0							21	X	22																	
					0							23	X	24																	
					0							25	X	26	#12	1	20	1500		0	1	1500	Hand Dryer								
					0							27	X	28						0											
					0							29	X	30																	
LEGS TO TALS		6100	3996	3357													5940	1760	360	LEGS TO TALS											
LCL=3456+2251=5707												LEG BALANCE = 34.2%										TOTAL AMPS: 79.68									
TOTAL WATTS=2871																															

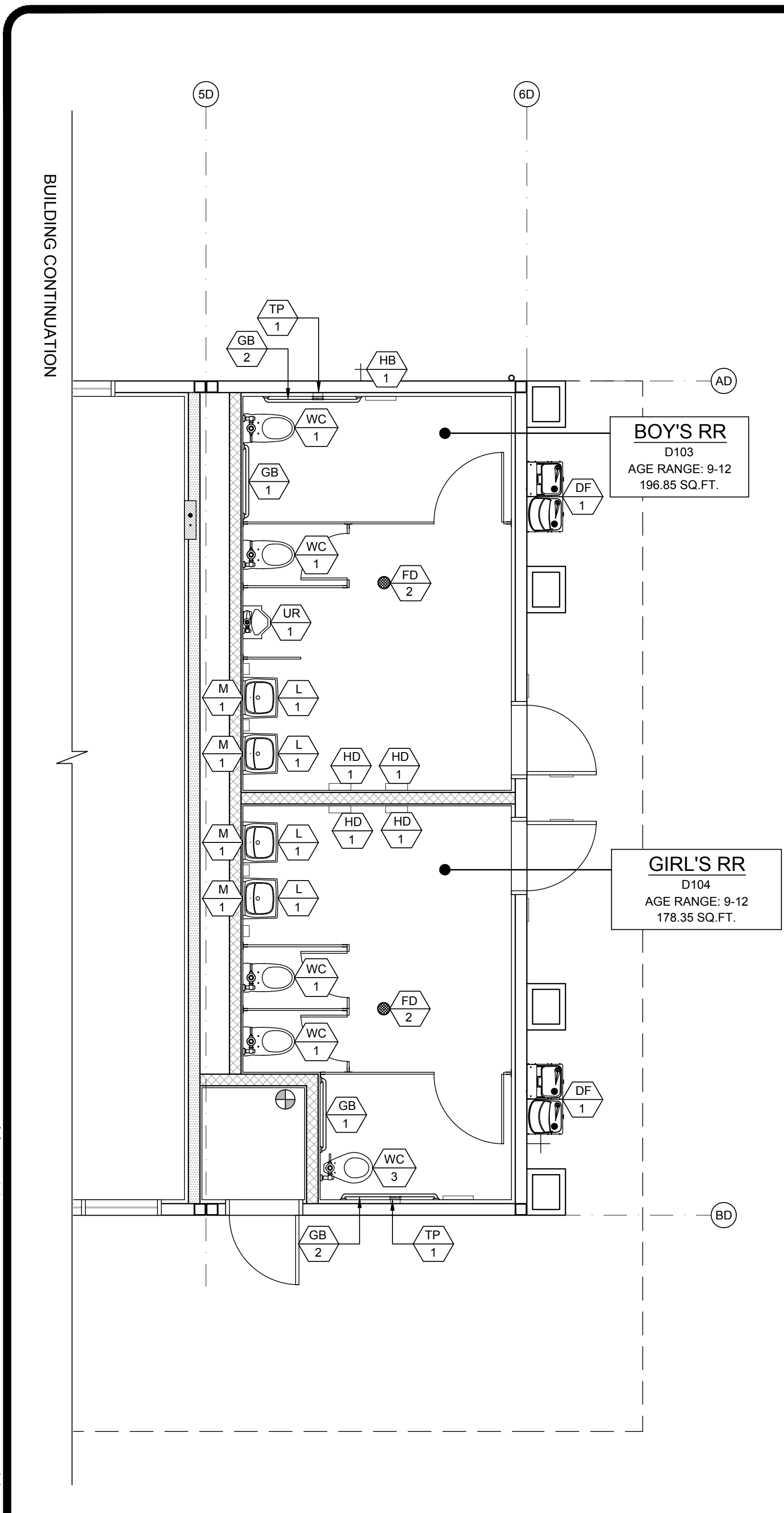


NOTES:

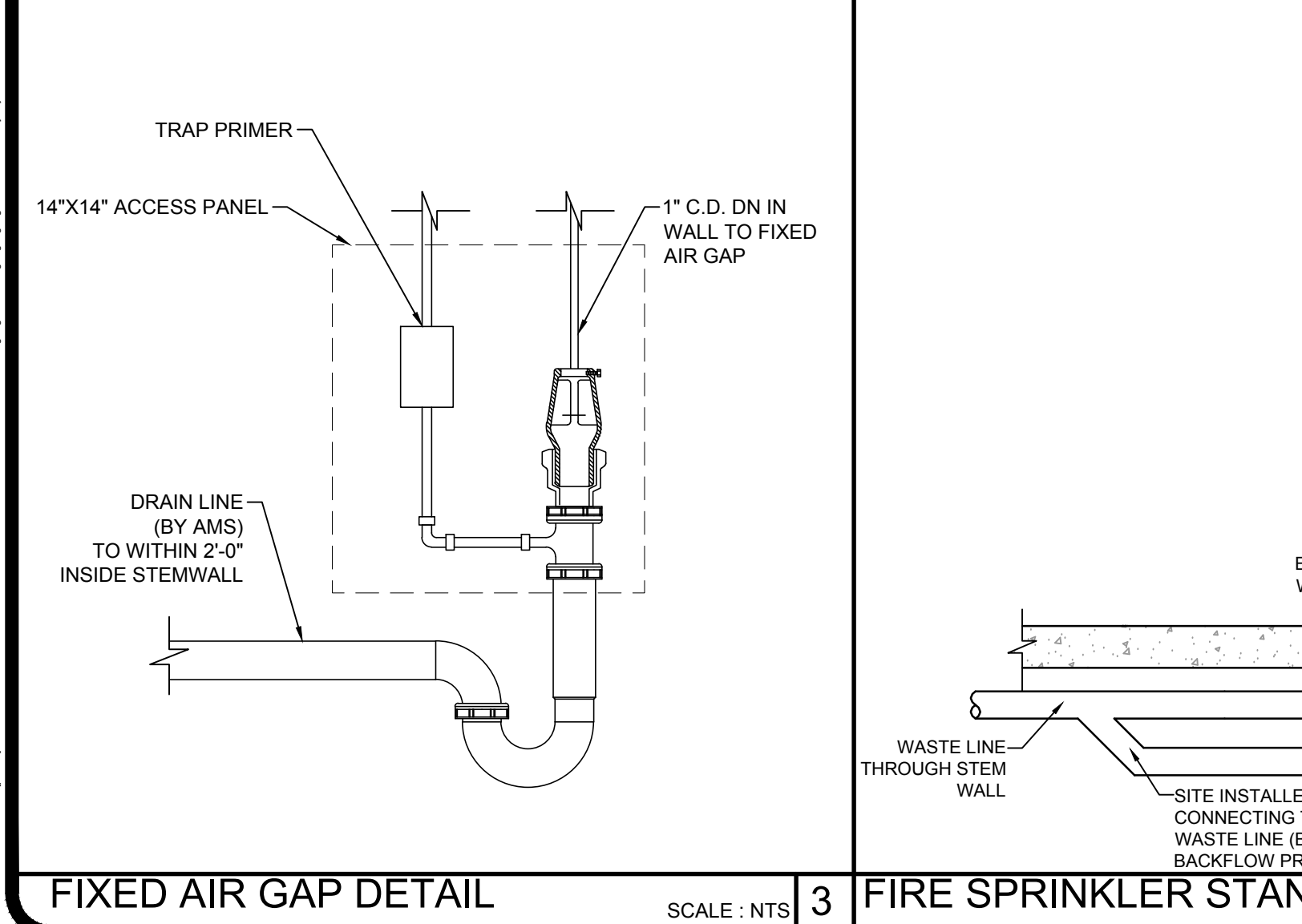
1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 "WATER CONSERVING PLUMBING FIXTURES & FITTINGS"
2. FOR OPTIONAL ACCESSIBLE FLOOR-MOUNT WATER CLOSET, SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN).
3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT.
4. THERE SHOULD BE NO SHARP OR ABRASIVE SURFACES UNDER LAVS OR SINKS.
5. REFER TO DETAIL 10/P2.0 FOR SCHEDULE OF ACCESSIBLE HEIGHTS AT FIXTURES.

	CLASSROOM SINK 	DAYTON MODEL D12521 25"x21-1/4" SINGLE BOWL SINK OR EQUAL
	DRINKING FOUNTAIN 	ELKAY MODEL EDFP217C WALL MOUNT WATER FOUNTAIN OR EQUAL
	HOSE BIBB 	STANDARD HOSE BIBB ARROWHEAD MODEL 353LKLF OR EQUAL

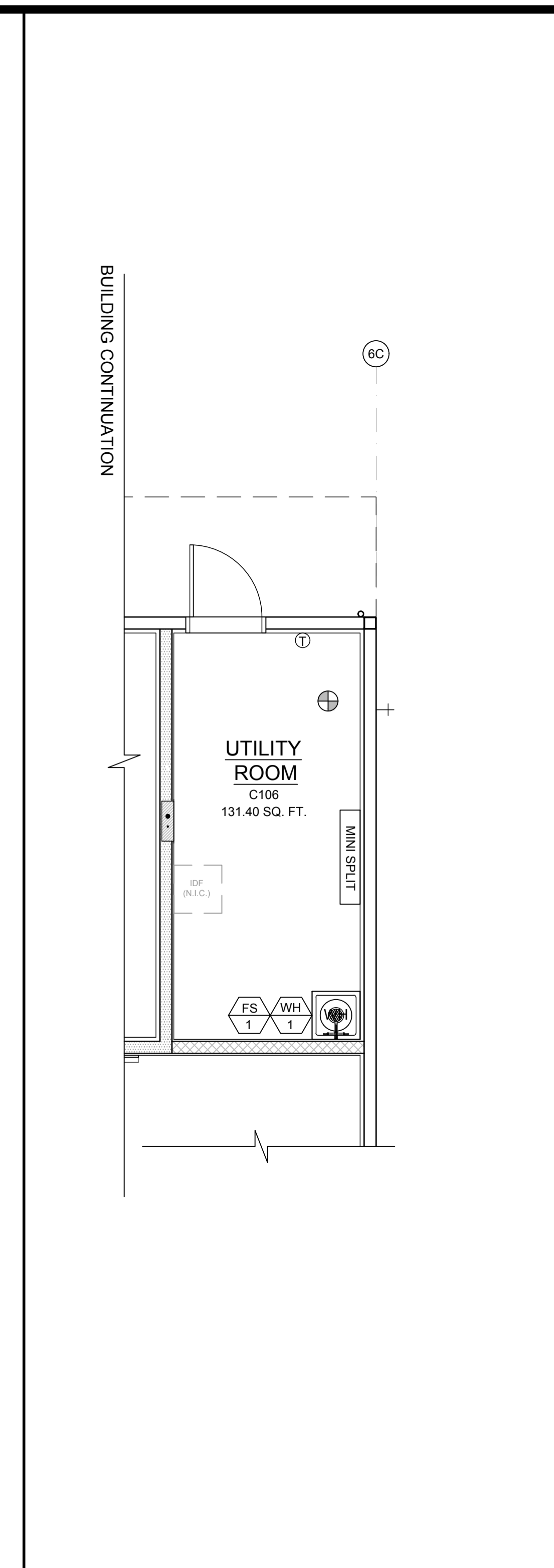
REVISIONS	
△	
△	
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DRAWN BY: AA	
SCALE: AS NOTED	
DATE: MM/DD/YY	
PROJECT NO: XXXX-22	
SHEET TITLE: RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE	
SHEET NUMBER: P1.0	



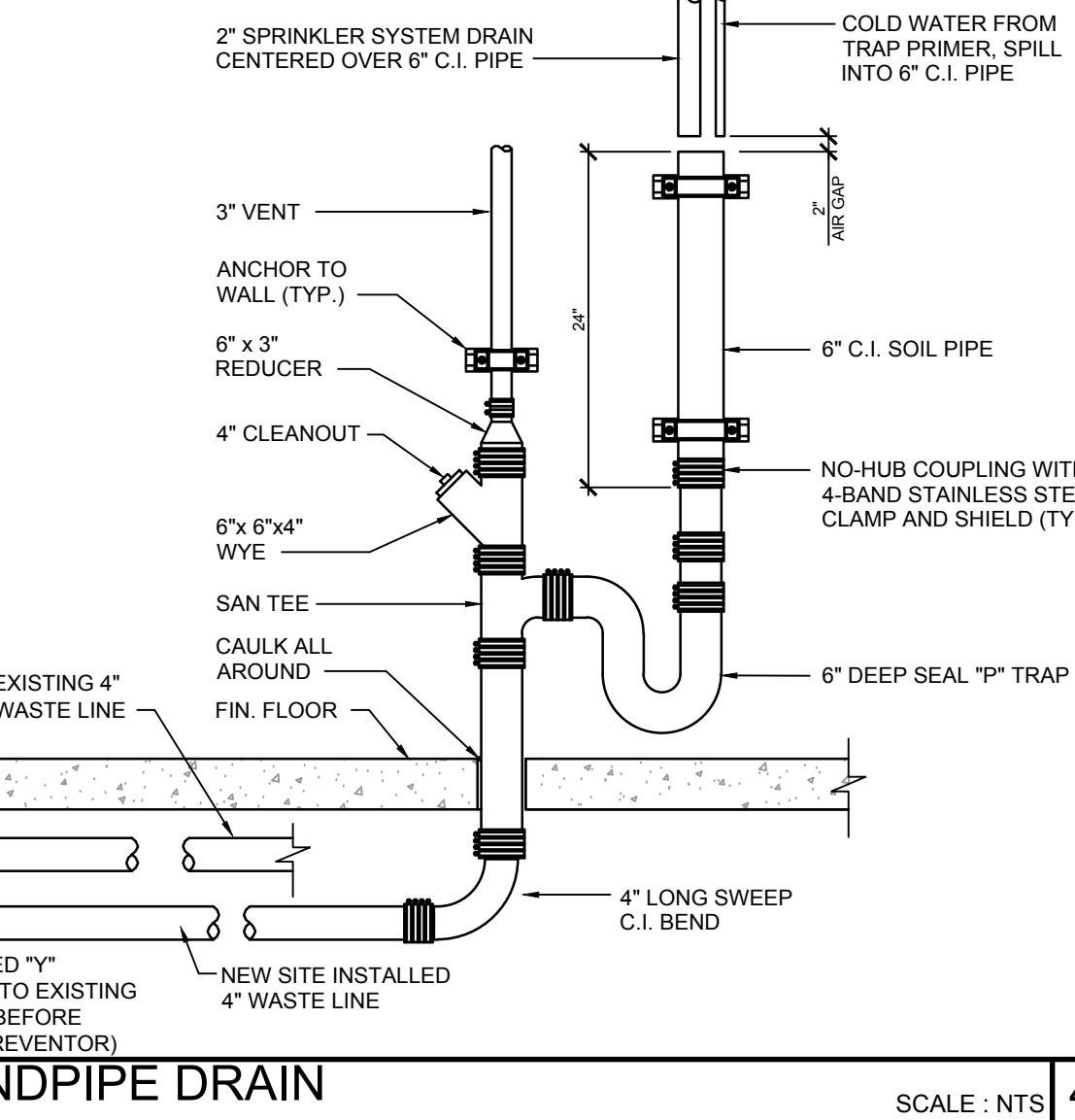
BOYS & GIRLS RESTROOM PLAN - BUILDING D



FIXED AIR GAP DETAIL



UTILITY ROOM - BUILDING C



FIRE SPRINKLER STANDPIPE DRAIN

MARK	FIXTURE ¹	TYPE AT KINDERGARTEN (AGES 3-4)	TYPE AT ELEMENTARY (AGES 5-8)	TYPE AT MIDDLE SCHOOL (AGES 9-12)	TYPE AT HIGH SCHOOL (AGES 13-ADULT)	REMARKS
	WALL MOUNT WATER CLOSET	CANNOT USE	CANNOT USE	WALL MOUNTED TOILET AMERICAN STANDARD MODEL #3351.101 ELONGATED BOWL ONLY, TOP SPUD OR EQUAL	WALL MOUNTED TOILET AMERICAN STANDARD MODEL #3351.101 ELONGATED BOWL ONLY, TOP SPUD OR EQUAL	MANUAL TOILET FLUSH VALVE DIAPHRAGM TYPE - MODEL 6147121.002 AMERICAN STANDARD - OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURE PER SCHEDULE 10/P2.0
	FLOOR MOUNT FLUSH VALVE	KOHLER 'PRIMARY' MODEL K-96064 OR EQUAL. w/BEMIS 1955SSCT TOILET SEAT OR EQUAL	KOHLER 'PRIMARY' MODEL K-96064 OR EQUAL w/2L205T (2\"/>	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'WELLCOMME ULTRA' MODEL K-96053 OR EQUAL w/BEMIS 1955SSCT OR EQUAL TOILET SEAT	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'HIGHCLIFF ULTRA' MODEL K-96057 OR EQUAL w/BEMIS 1955SSCT OR EQUAL TOILET SEAT	MANUAL TOILET FLUSH VALVE DIAPHRAGM TYPE - MODEL 6147121.002 AMERICAN STANDARD - OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS
	BOYS/GIRLS LAVATORY	LUCERNE - WALL HUNG LAVATORY AMERICAN STANDARD MODEL 0355.012 - SINGLE CENTER HOLE CONFIGURATION OR EQUAL	LUCERNE - WALL HUNG LAVATORY AMERICAN STANDARD MODEL 0355.012 - 4\"/>			BOY/GIRL RESTROOM - METERING FAUCET. PILLAR TAP FAUCET WITH EXTENDED SPOUT 1340.119 CAST SPOUT, 0.5GPM PRESSURE COMPENSATING VANDAL-RESISTANT NON-AERATED SPRAY & 4\"/>
	ADULT LAVATORY	LUCERNE - WALL HUNG LAVATORY AMERICAN STANDARD MODEL 0355.012 - 4\"/>				ADULT RESTROOM - METERING FAUCET. PILLAR TAP FAUCET WITH EXTENDED SPOUT 1340.119 CAST SPOUT, 0.5GPM PRESSURE COMPENSATING VANDAL-RESISTANT NON-AERATED SPRAY & 4\"/>
	URINAL	WALL MOUNTED TYPE AMERICAN STANDARD PINTBROOK URINAL MODEL 6002.001 TOP SPUD OR EQUAL				FLUSH VALVE ZURN MODEL Z8003-AV (0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0
	MIRROR	WALL MOUNT TYPE BOBRICK MODEL B165 18X30 OR EQUAL				MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE MIRROR PER SCHEDULE 10/P2.0
	36\"/>	WALL MOUNT TYPE MOEN MODEL 8736 & 8748				18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.) - SEE 10/S9.2 FOR MOUNTING DETAIL
	48\"/>	(1 1/4\"/>				
	INSTANT-TEMP WATER HEATER	CHRONOMITE INSTANT-TEMP WATER HEATER MODEL M20L240 INSTANT SINGLE PHASE 104\"/>				CHRONOMITE MODEL M20L208 OR EQUAL SEE DETAIL 7/P2.0
	CUSTODIAN SINK	FLORESTONE FLOOR SINK MOLDED MOP RECEPTORS MODEL MSR-2424 W/ 3\"/>				ZURN 843-M1-XL OR EQUAL
	FLOOR DRAIN	CONCRETE FLOOR DRAIN ZURN MODEL P415-CC W/ STANDARD GRATE ZURN 33160-002 OR EQUAL				LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.) PROVIDE GRATE WITH MAX 1/2\"/>
	CLASSROOM SINK	CHICAGO FAUCETS MODEL CRAF-ADA-1925-A-GR-VRL-CT 25\"/>				MANUAL SINK FAUCET - CHICAGO FAUCETS MODEL 50-GN8AE3-317XKAB. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0
	DRINKING FOUNTAIN	ELKAY MODEL VRCTLDDWSK WALL MOUNT DRINKING FOUNTAIN w/BOTTLE FILLING STATION				HAWS - MODEL 1119FR FREEZE-RESISTANT, \"HI-LO\", WALL MOUNTED, STAINLESS STEEL DRINKING FOUNTAINS w/ A BACK PANEL SEE 20/S9.1 FOR MOUNTING DETAIL
	HOSE BIBB	STAINLESS STEEL RECESSED HOSE BOX w/WALL FLANGE ACORN MODEL 8140 OR EQUAL				LOCATE AS SPECIFIED ON FLOOR PLANS.
	TOILET PAPER DISPENSER	RECESSED TOILET PAPER DISPENSER BOBRICK MODEL B-667 OR EQUAL				
	HAND DRYER	HAND DRYER BOBRICK MODEL B-750 115V OR EQUAL				
	WATER HEATER	RHEEM ELECTRIC WATER HEATER MODEL PROE20-1-RH-POU 240 VOLT SINGLE PHASE				AVAILABLE IN 6, 40, 20 AND 30 GALLON MODELS (MAX WATER HEATER WEIGHT) PER 6/M1.4 OR 1/P2.0

NOTES:
1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 \"WATER CONSERVING PLUMBING FIXTURES & FITTINGS\".
2. FOR OPTIONAL ACCESSIBLE FLOOR-MOUNT WATER CLOSET, SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN).
3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT.
4. THERE SHOULD BE NO SHARP OR ABRASIVE SURFACES UNDER LAVS OR SINKS.
5. REFER TO DETAIL 10/P2.0 FOR SCHEDULE OF ACCESSIBLE HEIGHTS AT FIXTURES.

PLUMBING FIXTURE SCHEDULE	
	= PLUMBING FIXTURE I.D. - SEE SCHEDULE ABOVE
SYMBOLS LEGEND	
PLANS SHALL MEET ENERGY CODE 120.3 FOR PIPE INSULATION. ALL WATER HEATERS SHALL HAVE R7.7 ON HOT AND COLD LINES FOR THE FIRST 8 FEET FROM WATER HEATER (TANK TYPE AND INSTANT). SECTION 609.12 REQUIRES HOT WATER PIPING FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) BE INSULATED TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE IN DIAMETER. PER PLUMBING CODE 609.12 UPDATE PLANS TO SHOW HOW THE HOT WATER PIPING IS INSULATED FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE. INSTANTANEOUS WATER HEATERS WITH AN INPUT GREATER THAN 6.8 KBTU/H OR 2 KW (ALL INSTANTANEOUS ARE OVER 4KW) SHALL HAVE ISOLATION VALVES ON BOTH THE INCOMING COLD WATER SUPPLY AND THE HOT WATER PIPE LEAVING THE WATER HEATER, TO ASSIST IN THE FLUSHING OF THE HEAT EXCHANGER AND HELP PROLONG THE LIFE OF THE WATER HEATERS PER ENERGY CODE 110.3(C).	GENERAL NOTES MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N. 1. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C. &). 2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION. 3. RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING. 4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER 12\"/>

CLASSROOM SINK PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36' (HIGH SEISMIC)

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

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

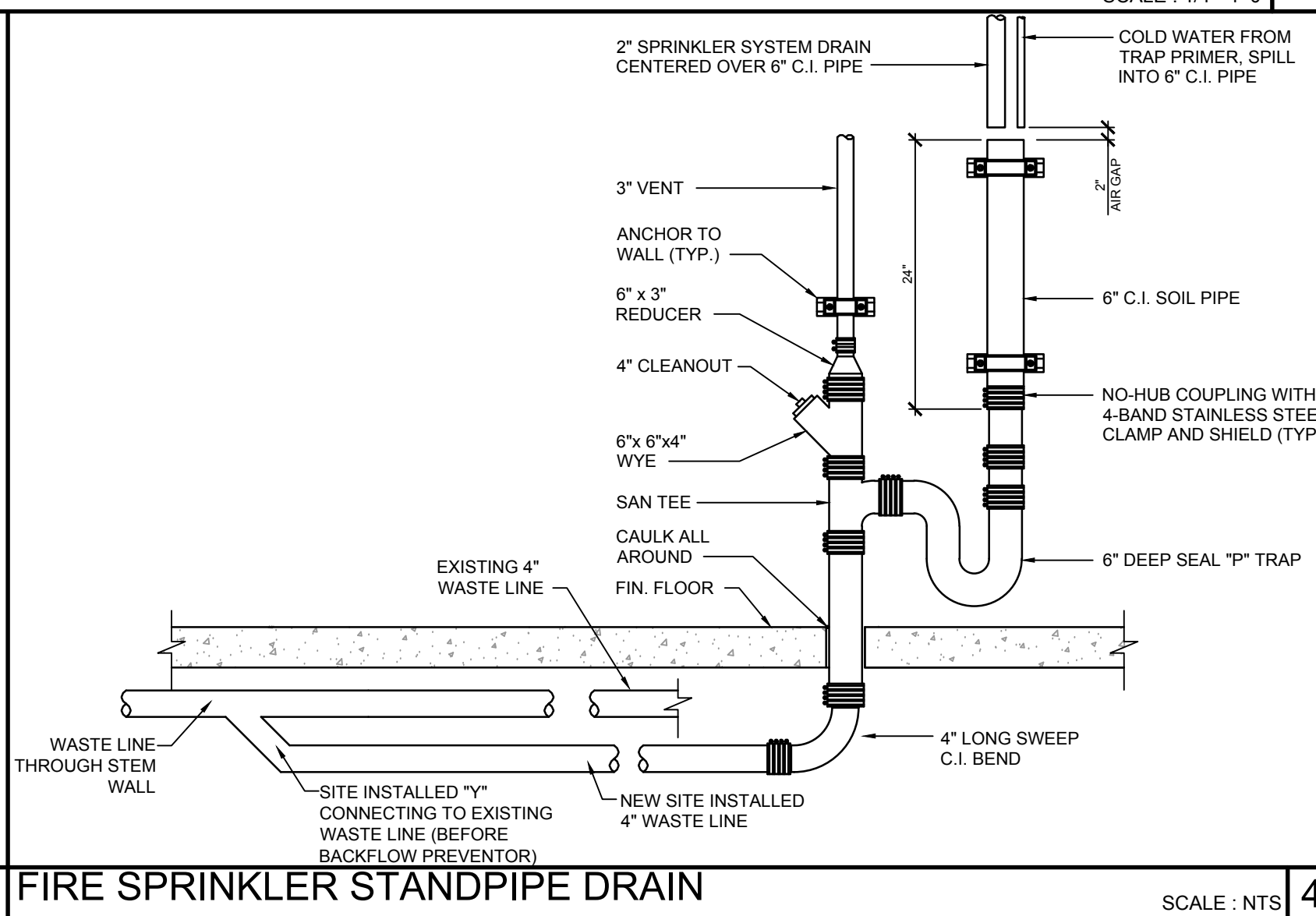
REVISIONS
1.
2.
3.
4.

DRAWN BY: AV
SCALE: AS NOTED
DATE: 11/20/25
PROJECT NO: 1902-24
SHEET TITLE:
RESTROOM OPTIONS
PLUMBING PLAN &
FIXTURE SCHEDULE
BUILDING C & D
SHEET NUMBER:

P1.0A-A



AGE RANGE: 9-12 & 13-ADULT SCALE: 1/4"=1'-0"	1
---	---



SCALE UNITS 3



SCALE UNITS | 4

NOTES:

1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 "WATER CONSERVING PLUMBING FIXTURES & FITTINGS"
2. FOR OPTIONAL ACCESSIBLE FLOOR-MOUNT WATER CLOSET, SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN).
3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT.
4. THERE SHOULD BE NO SHARP OR ABRASIVE SURFACES UNDER LAVS OR SINKS.
5. REFER TO DETAIL, 10/P2.0 FOR SCHEDULE OF ACCESSIBLE HEIGHTS AT FIXTURES.

 = PLUMBING FIXTURE I.D. - SEE SCHEDULE ABOVE

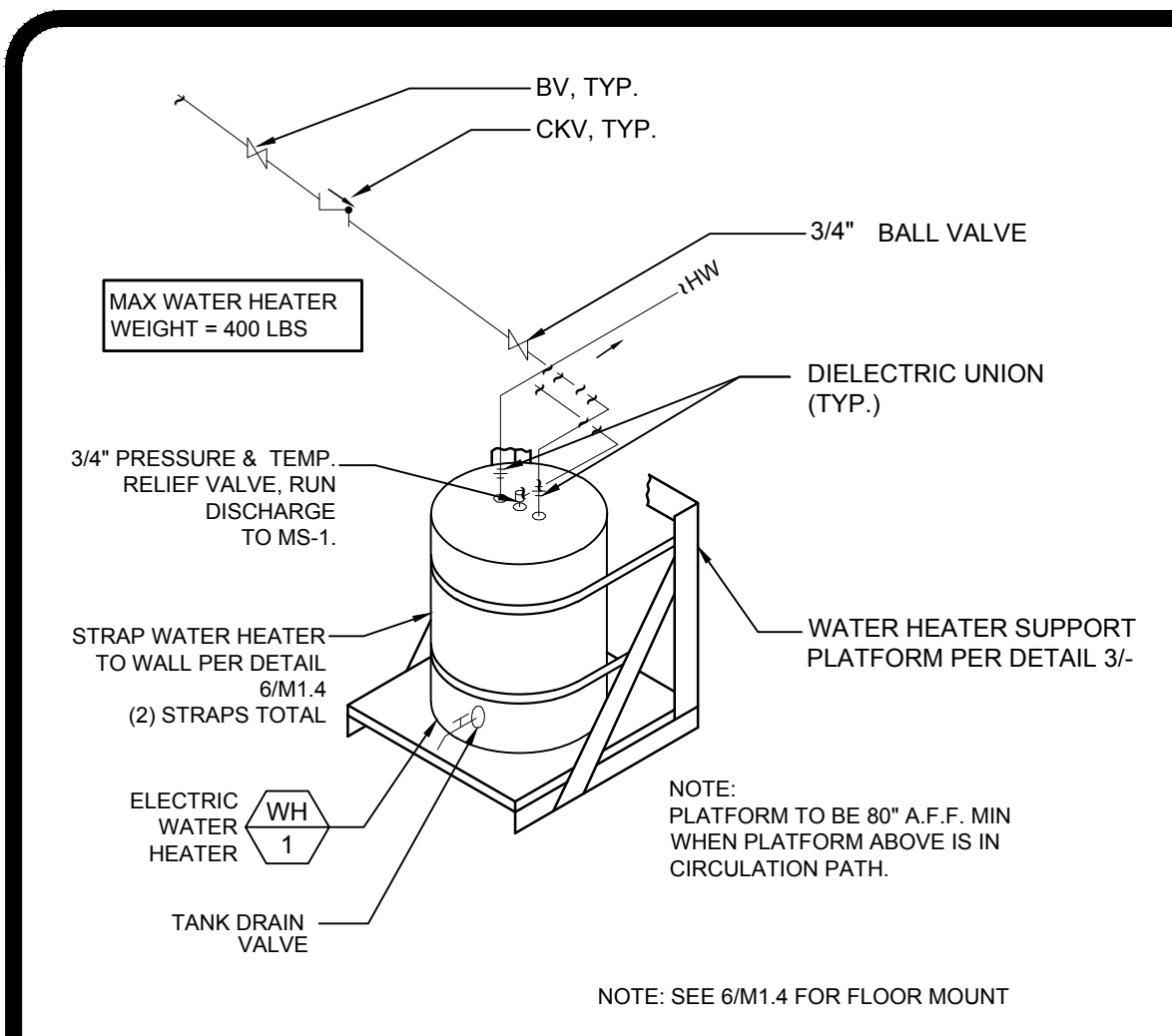
PLANS SHALL MEET ENERGY CODE 120.3 FOR PIPE INSULATION. ALL WATER HEATERS SHALL HAVE R7.0 ON HOT AND COLD LINES FOR THE FIRST 8 FEET FROM WATER HEATER (TANK TYPE AND INSTANT). SECTION 609.12 REQUIRES HOT WATER PIPING FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) BE INSULATED TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE IN DIAMETER. PER PLUMBING CODE 609.12 UPDATE PLANS TO SHOW HOW THE HOT WATER PIPING IS INSULATED FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE. INSTANTANEOUS WATER HEATERS WITH AN INPUT GREATER THAN 6.8 KBTU/H OR 2 KW (ALL INSTANTANEOUS ARE OVER 4KW) SHALL HAVE ISOLATION VALVES ON BOTH THE INCOMING COLD WATER SUPPLY AND THE HOT WATER PIPE LEAVING THE WATER HEATER, TO ASSIST IN THE FLUSHING OF THE HEAT EXCHANGER AND HELP PROLONG THE LIFE OF THE WATER HEATERS PER ENERGY CODE 110.3(C).

- | |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

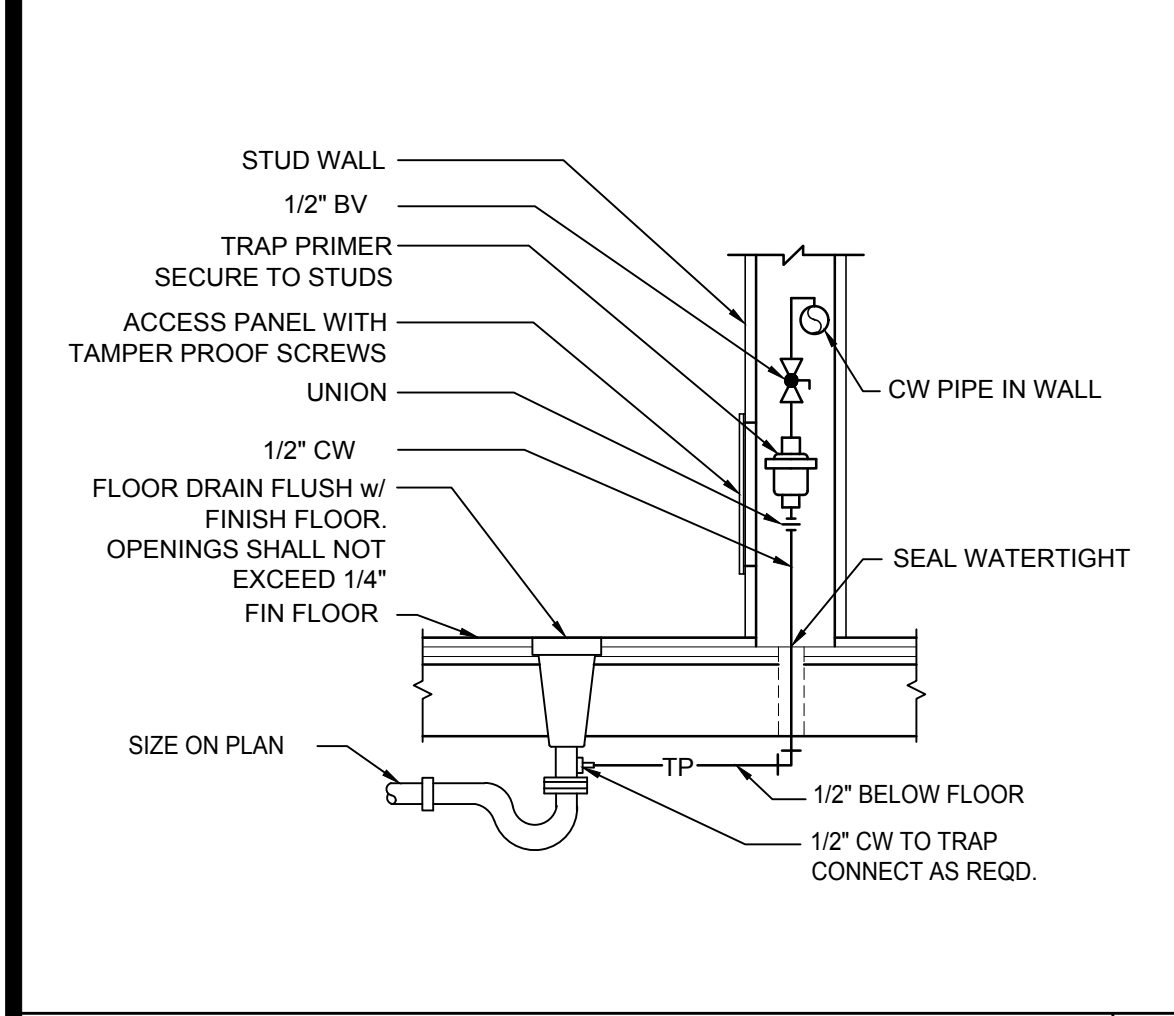
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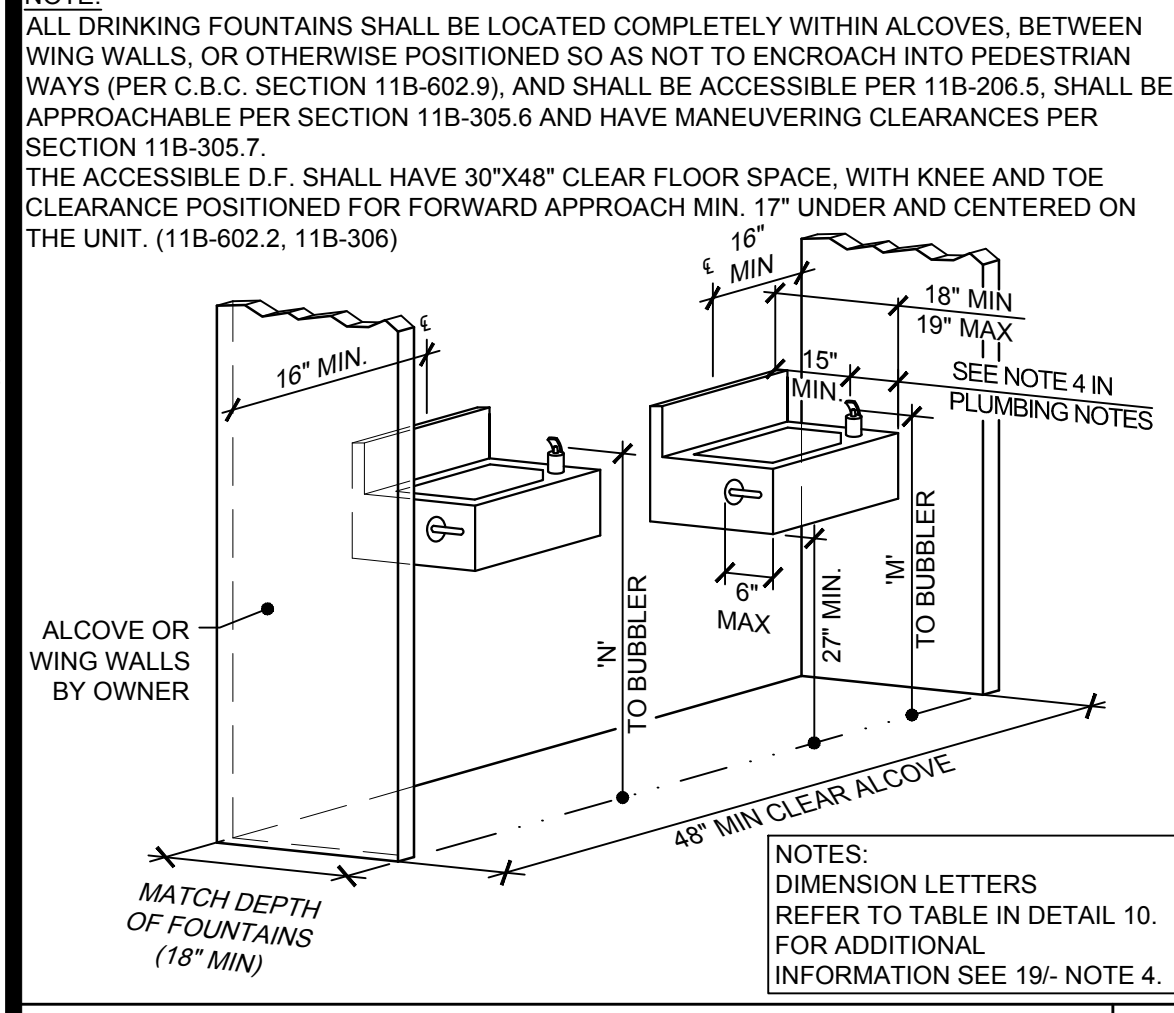
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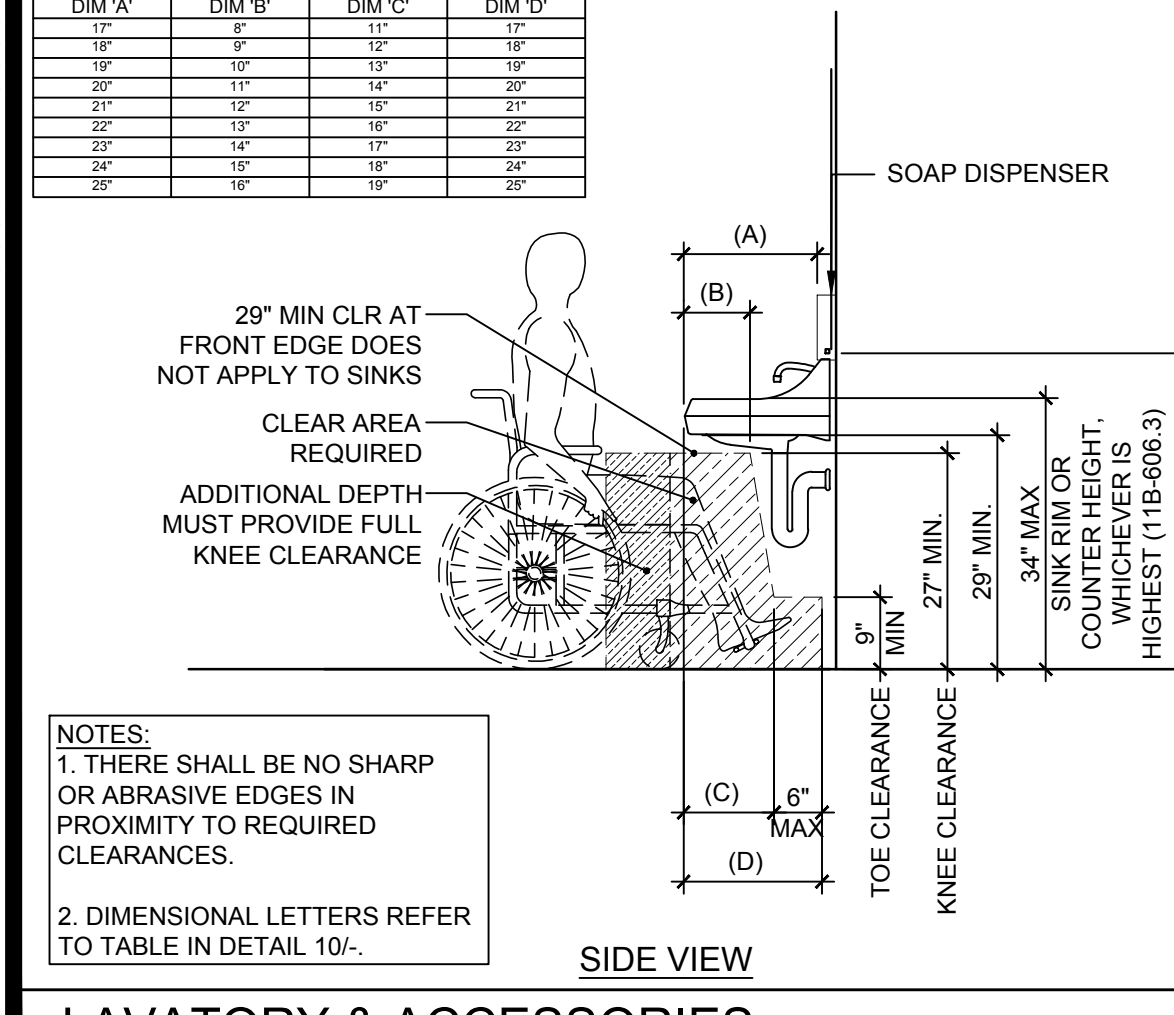
WATER HEATER SUPPORT DETAIL NOT TO SCALE 1



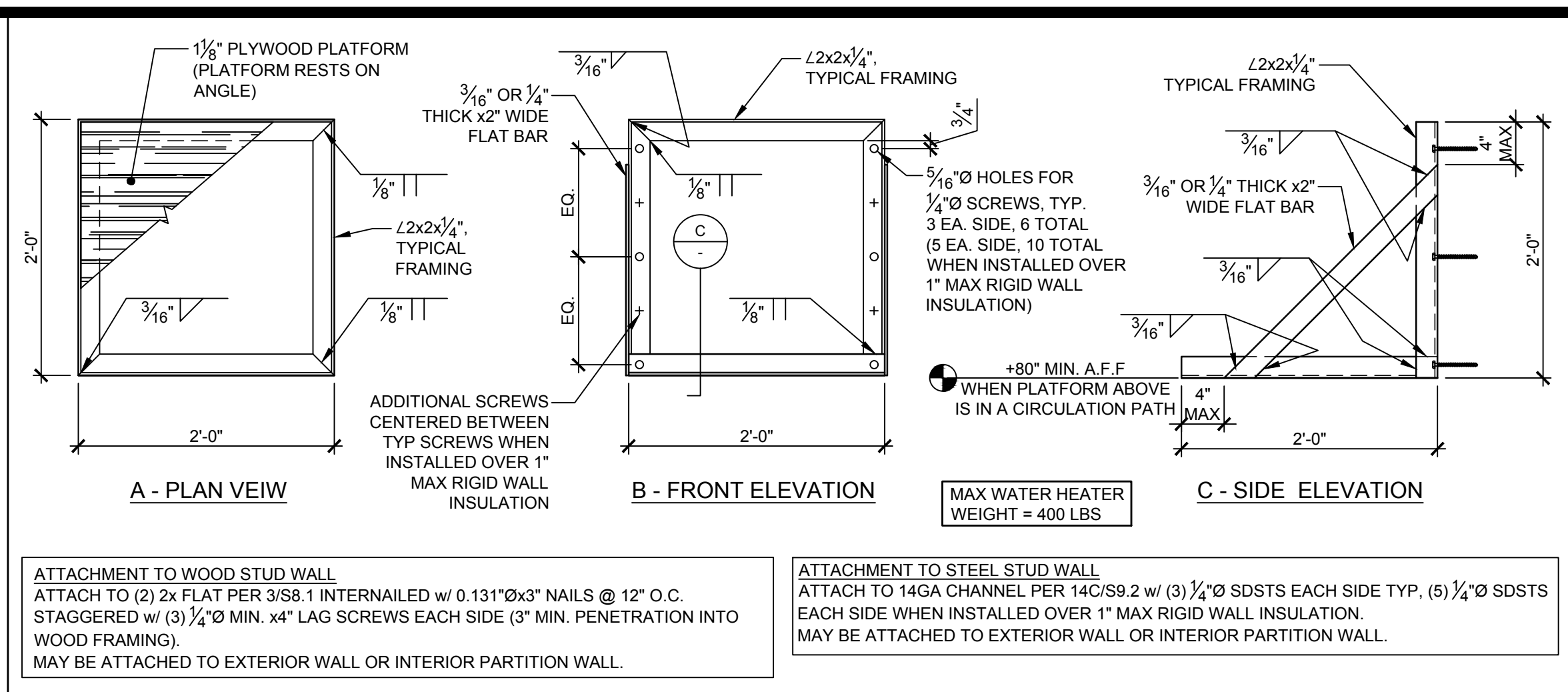
TRAP PRIMER DETAIL NOT TO SCALE 6



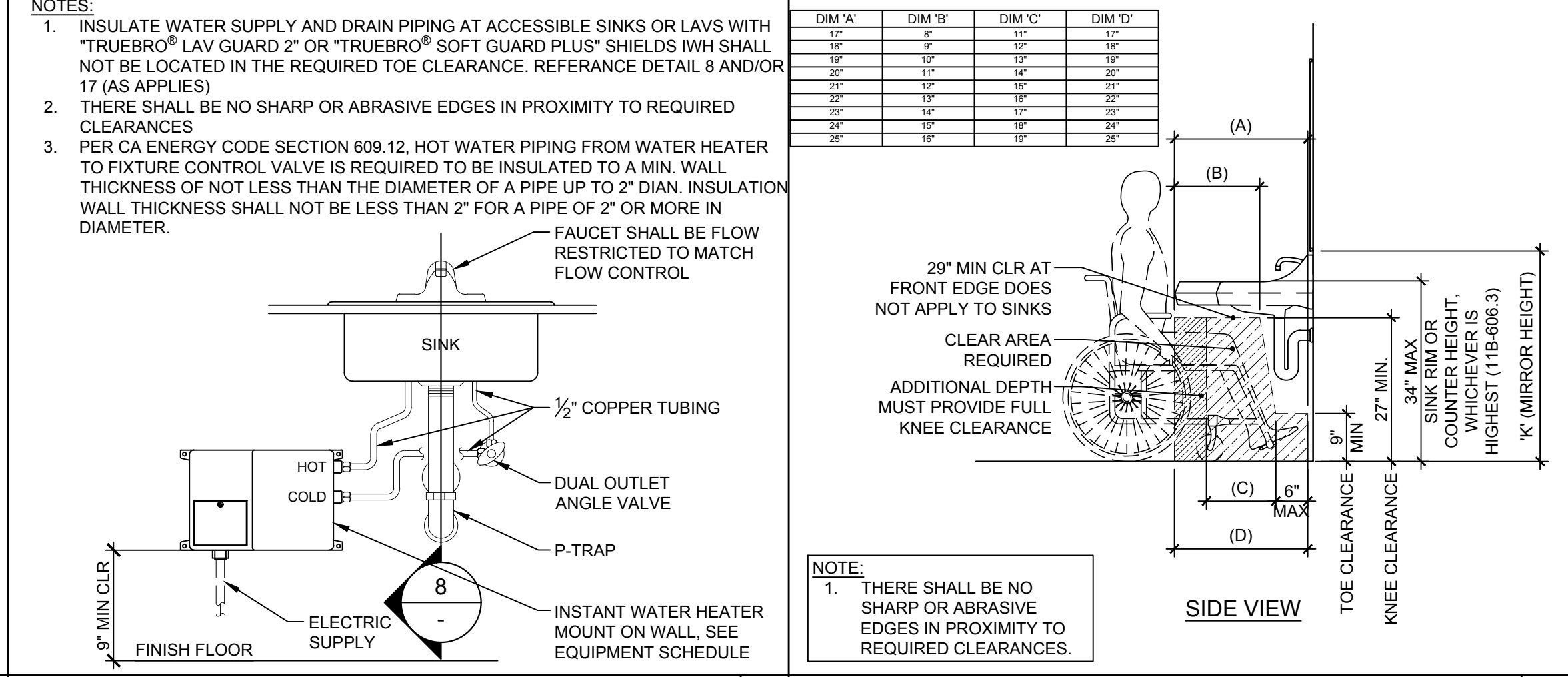
HI-LO DRINKING FOUNTAIN NOT TO SCALE 11



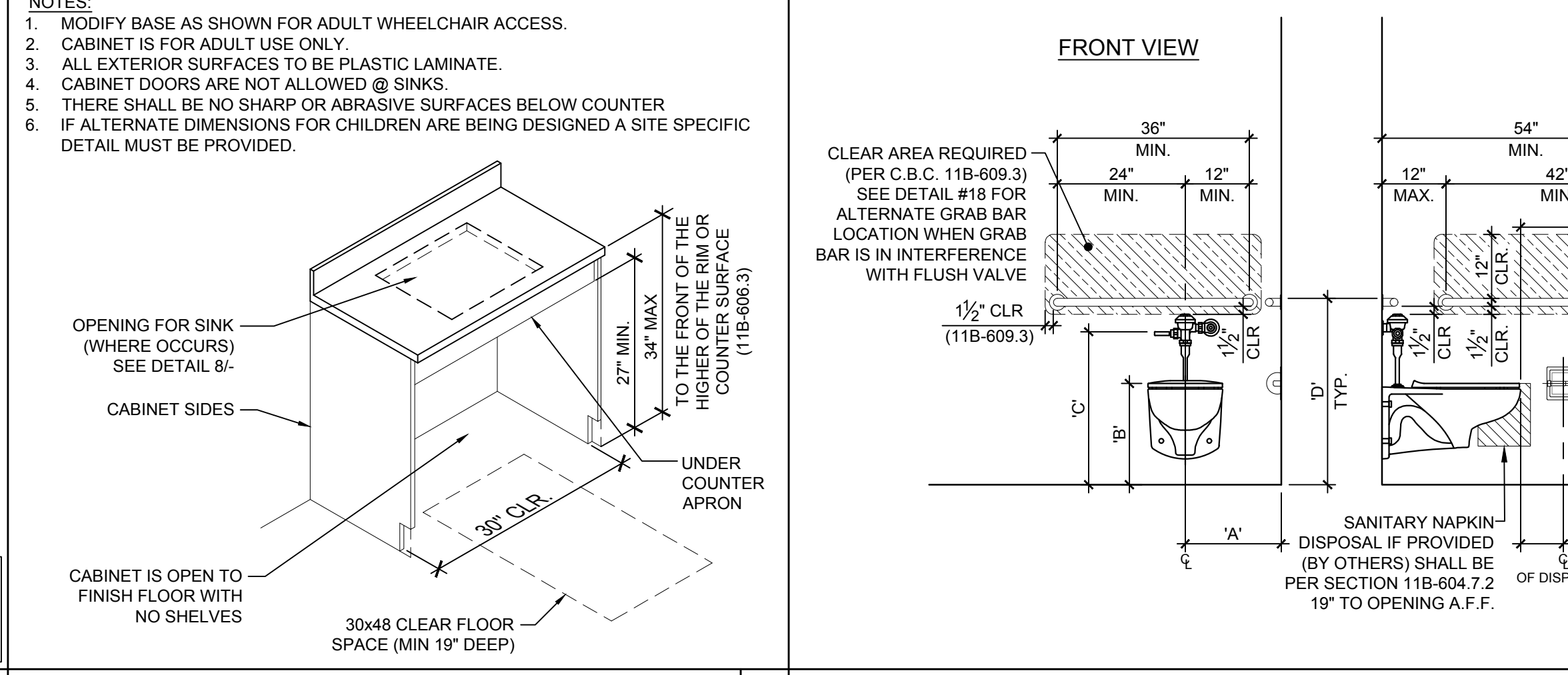
LAVATORY & ACCESSORIES SCALE: 1/2\"/>



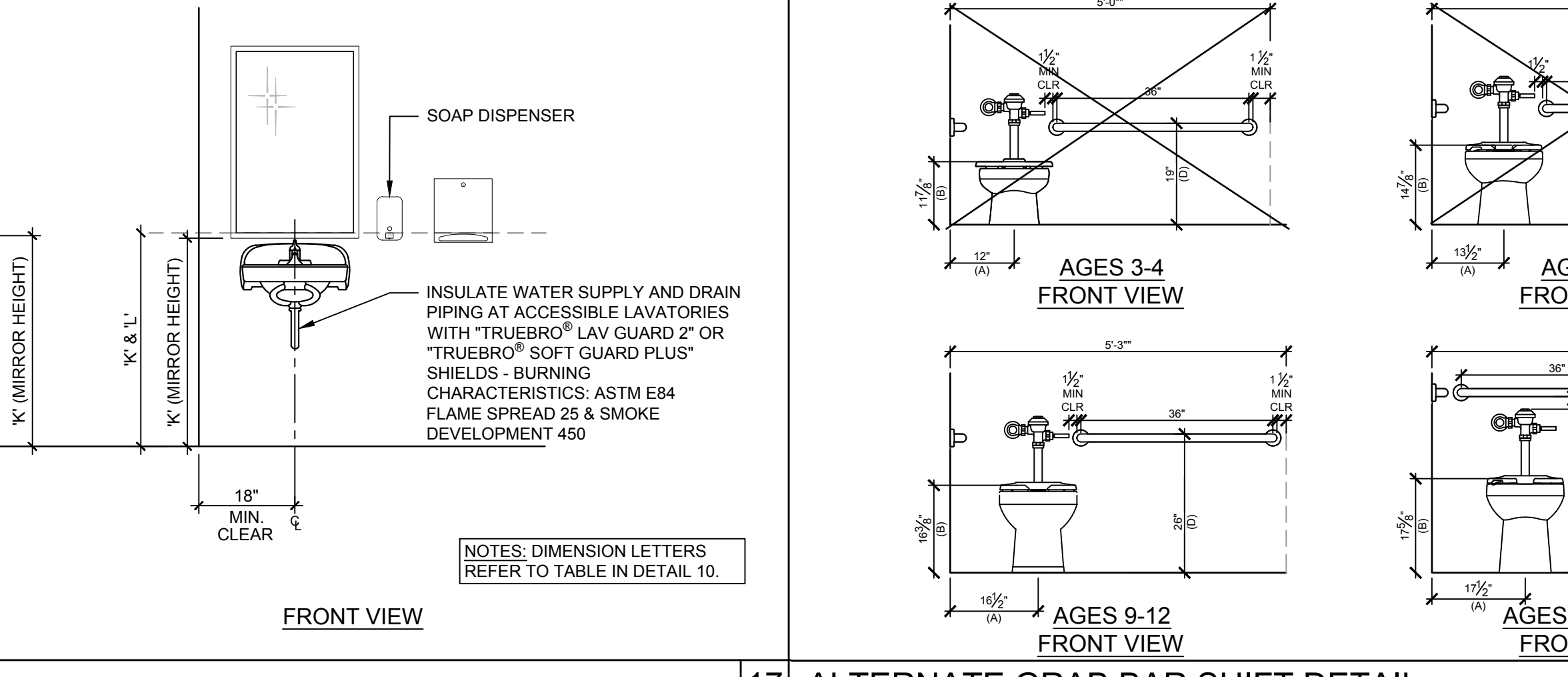
WATER HEATER PLATFORM DETAIL NOT TO SCALE 3



INSTANT WATER HEATER DETAIL NOT TO SCALE 7



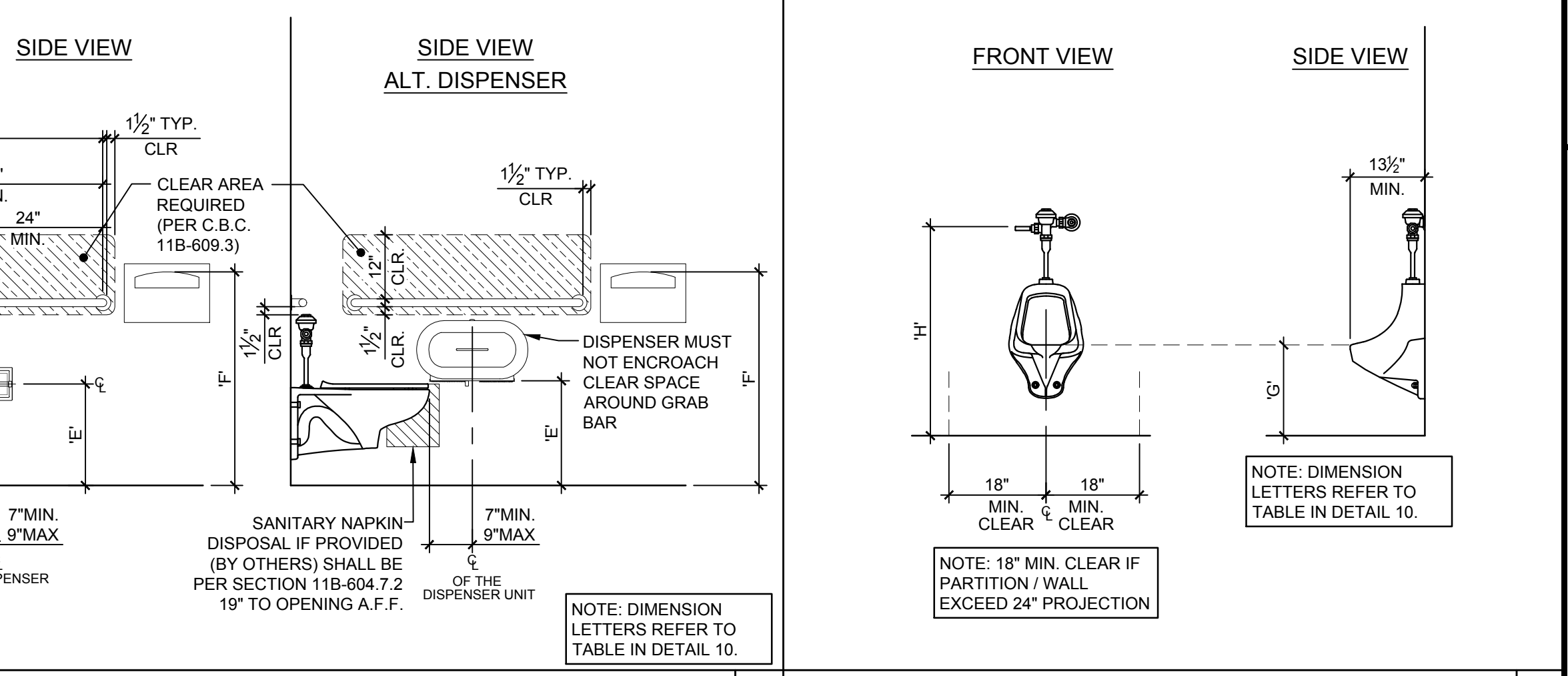
ACCESSIBLE CABINET DETAIL NOT TO SCALE 12



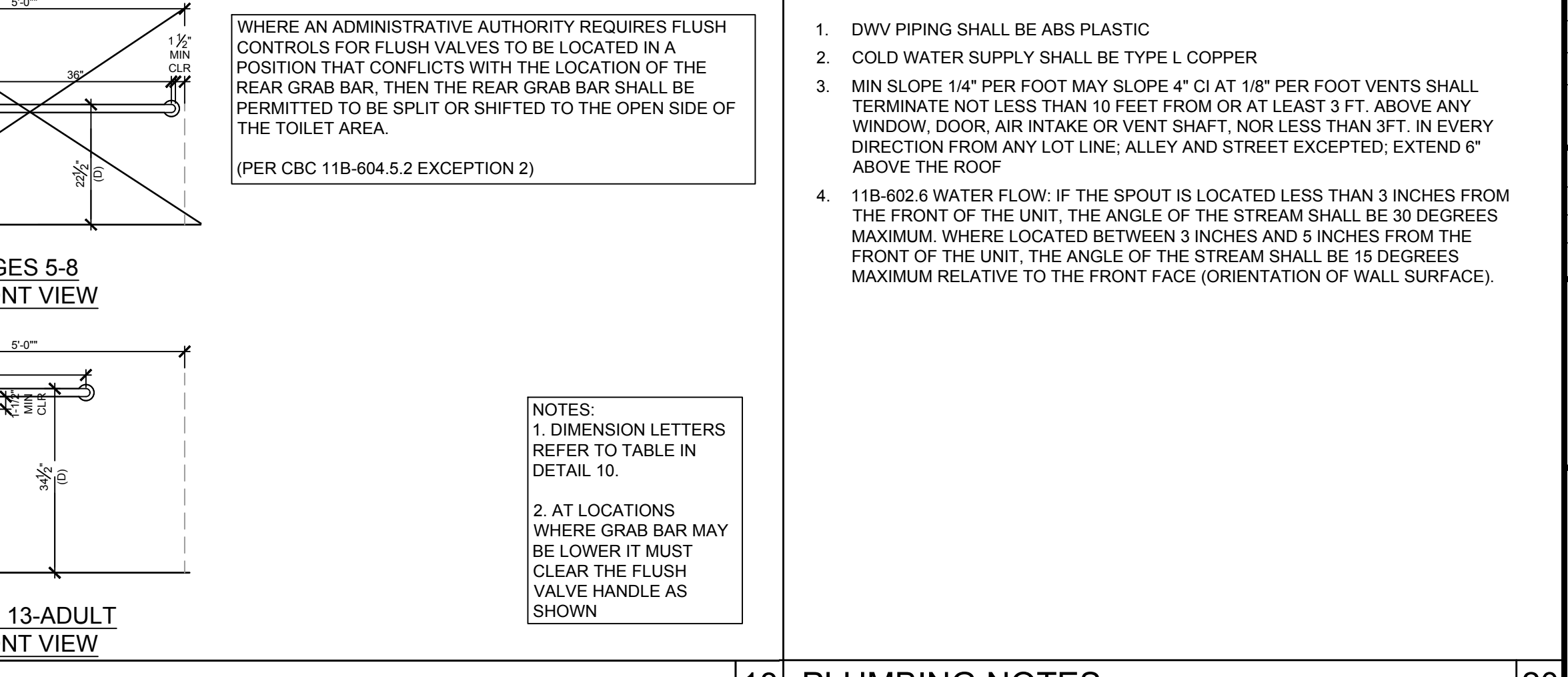
PLUMBING NOTES SCALE: 1/2\"/>

HEIGHTS FOR ACCESSIBLE FEATURES IN TOILET FACILITIES					
	FIXTURE & MEASUREMENT POINT	PRIMARY USERS			
		AGES 3-4	AGES 5-8	AGES 9-12	AGES 13 -ADULT
A	TOILET OFFSET, CENTERLINE FROM FACE OF WALL	12"	12" - 15"	15" - 18"	17" - 18"
B	TOILET SEAT HEIGHT	11" - 12"	12" - 15"	15" - 17"	17" - 19"
C	TOILET CONTROLS (TOP OF FLUSH)	36" MAX.	36" MAX.	36" MAX.	44" MAX.
D	TOP OF GRAB BARS GRIPPING SURFACE	18" - 20"	20" - 25"	25" - 27"	33" - 36"
E	TOILET PAPER DISPENSER OUTLET (A.F.F., TO CENTERLINE OF OUTLET OR ROLL)	14"	14" - 17"	17" - 19"	19" MIN.
F	TOILET SEAT COVER DISPENSER, HEIGHT TO TOP OF OUTLET	24" - 32"	30" - 32"	32" - 36"	40" MAX.
G	URINAL HEIGHT (LIP HEIGHT)	12" - 13" SUGGESTED (17" MAX.)	13" - 15" SUGGESTED (17" MAX.)	15" - 17" SUGGESTED (17" MAX.)	17" MAX.
H	URINAL FLUSH CONTROL HEIGHT	44" MAX.	44" MAX.	44" MAX.	44" MAX.
I	LAV/SINK RIM HEIGHT OR COUNTER	24" - 28" SUGGESTED (31" MAX.)	31" MAX.	31" MAX.	34" MAX.
J	LAV/SINK KNEE CLEARANCE	SIDE APPROACH	AGE 9-8, 24" MIN. (AGE 5, SIDE APPROACH)	24" MIN.	27" MIN. (29" MIN. AT APRON FOR LAVATORY)
K	MIRROR (ABOVE LAVATORY, SINK OR COUNTERTOP), LOWEST POINT OF REFLECTIVE SURFACE	24" - 32" SUGGESTED (40" MAX.)	30" - 32" SUGGESTED (40" MAX.)	32" - 36" SUGGESTED (40" MAX.)	40" MAX.
L	DISPENSERS, DRYERS, HEIGHT TO TOP OF OUTLET, HANDLE OR OPERATING MECHANISM (WHICHEVER IS HIGHEST)	24" - 32" SUGGESTED (40" MAX.)	30" - 32" SUGGESTED (40" MAX.)	32" - 36" SUGGESTED (40" MAX.)	40" MAX.
M	LO DRINKING FOUNTAIN, HEIGHT TO BUBBLER	30" MAX. *	30" MAX. *	30" MAX. *	36" MAX.
N	HI DRINKING FOUNTAIN, HEIGHT TO BUBBLER	38" - 43"	38" - 43"	38" - 43"	38" - 43"

ACCESSIBLE HEIGHTS TABLE 10



ACCESSIBLE CLASSROOM SINK NOT TO SCALE 8



ACCESSIBLE TOILET AND ACCESSORIES SCALE: 1/2\"/>

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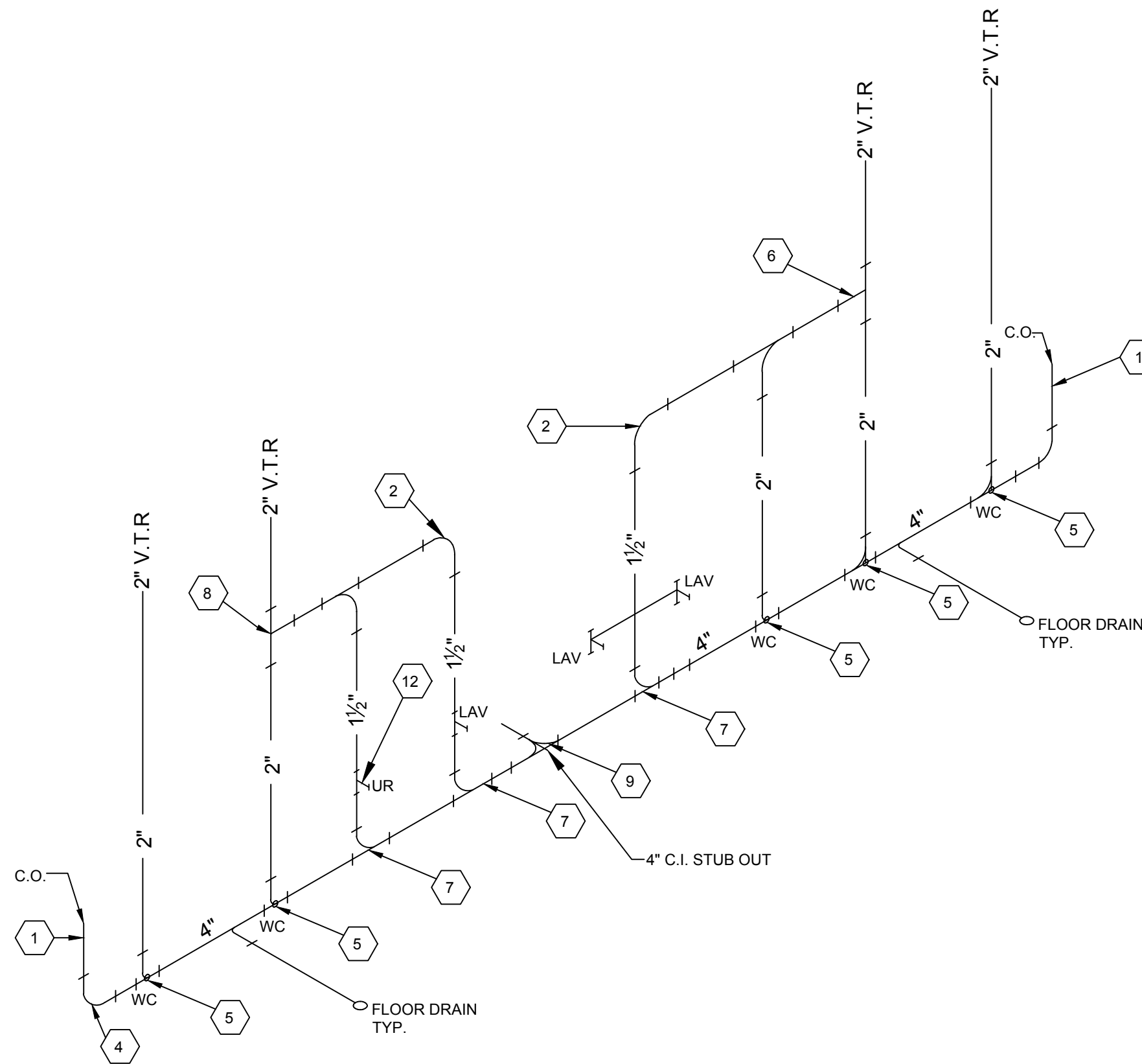
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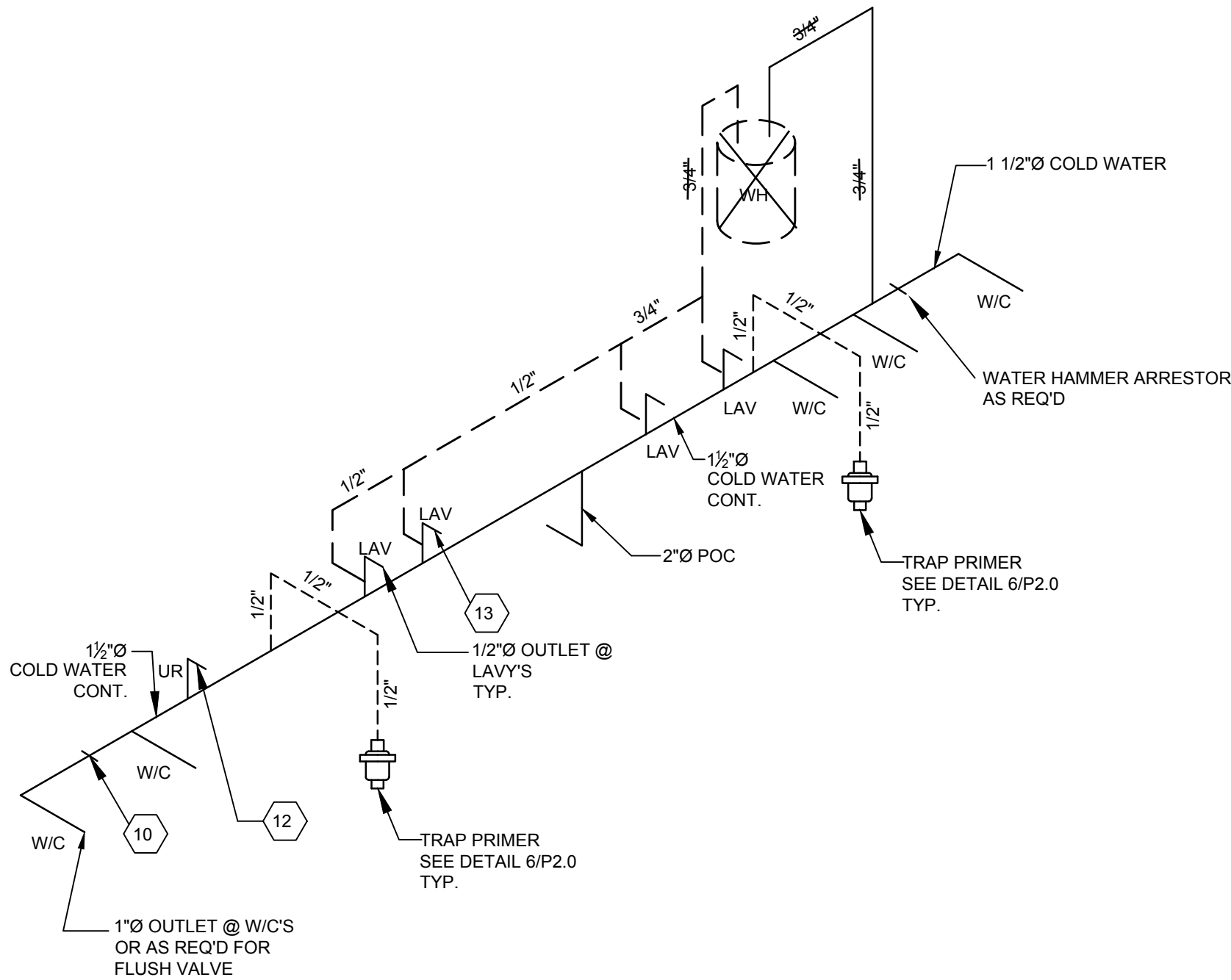
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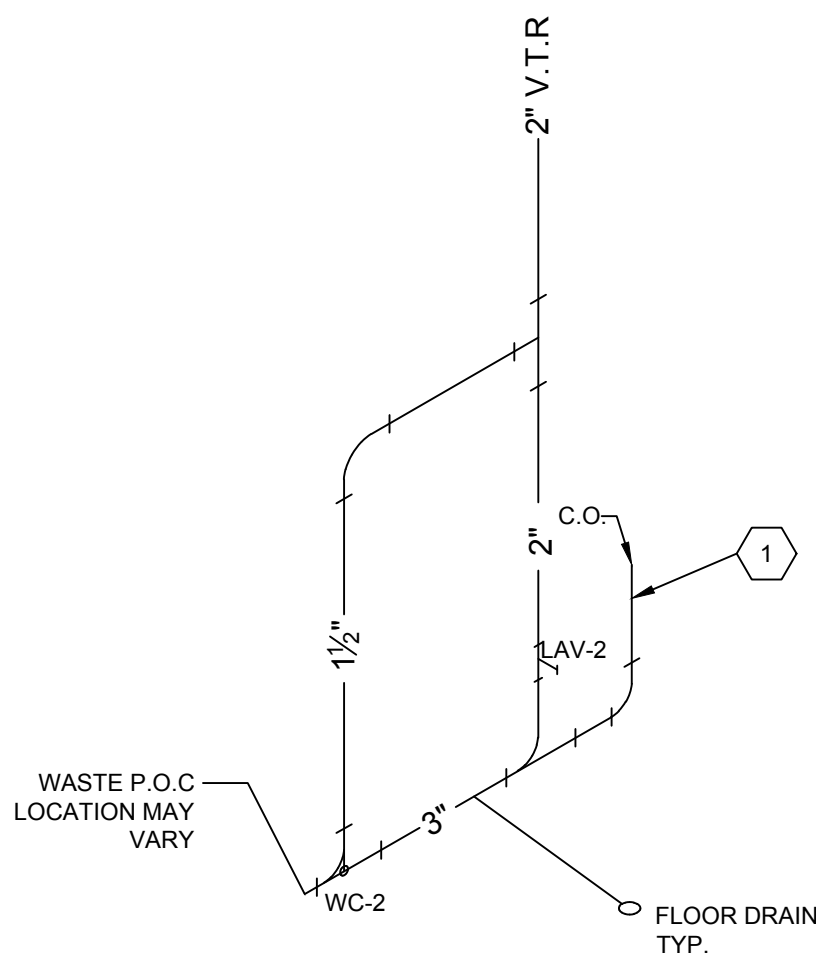
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SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22
SHEET TITLE:
**PLUMBING DETAILS
&
ACCESSIBLE DETAILS**
SHEET NUMBER:
P2.0



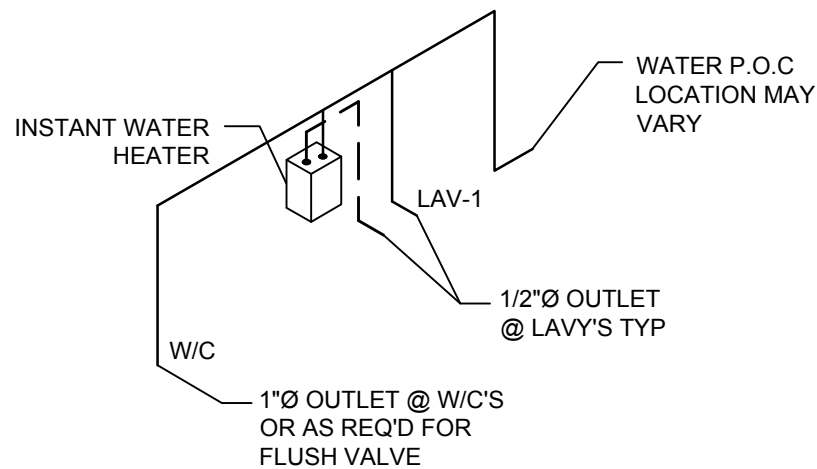
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BOYS & GIRLS SCALE: NTS



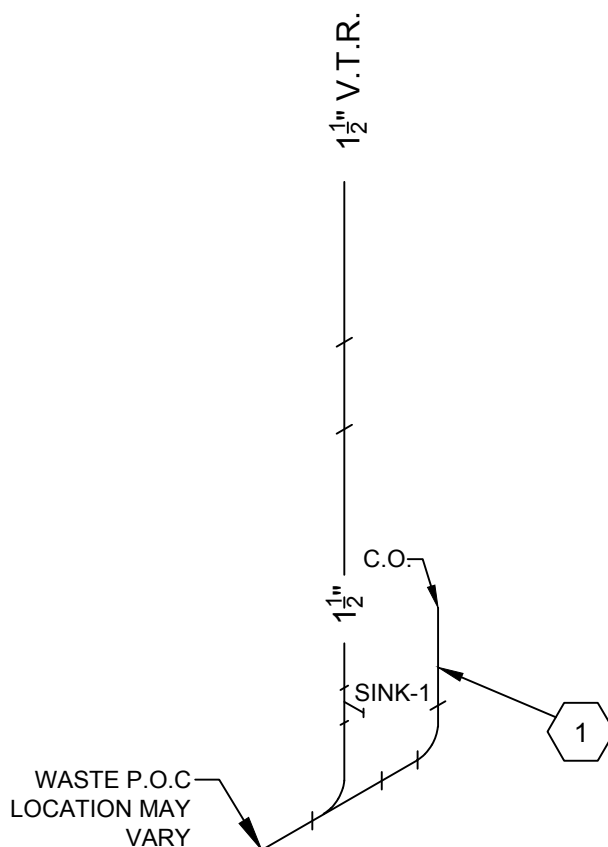
WATER SUPPLY ISOMETRIC
BOYS & GIRLS SCALE: NTS



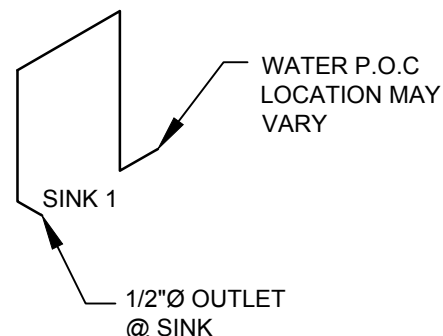
WASTE ISOMETRIC
SINGLE TOILET OPTION SCALE: NTS



WATER SUPPLY ISOMETRIC
SINGLE TOILET OPTION SCALE: NTS



WASTE ISOMETRIC
CLASSROOM SINK OPTION SCALE: NTS



WATER SUPPLY ISOMETRIC
CLASSROOM SINK OPTION SCALE: NTS

KEY NOTES

- 1 4" CLEAN OUT
- 2 VENT 90
- 3 VENT CROSS
- 4 4" QUARTER BEND
- 5 SMITH#0600 CARRIER
- 6 2" SANITARY TAP TEE
- 7 4x4x2 COMBINATION WYE 1/8 BEND
- 8 2x2x1 1/2 SANITARY TEE
- 9 4" DOUBLE COMBINATION
- 10 WATER HAMMER ARRESTOR
- 11 1" CW STUB AT WATER CLOSETS
- 12 3/4" CW STUB AT URINALS
- 13 1/2 CW STUB AT LAVATORIES

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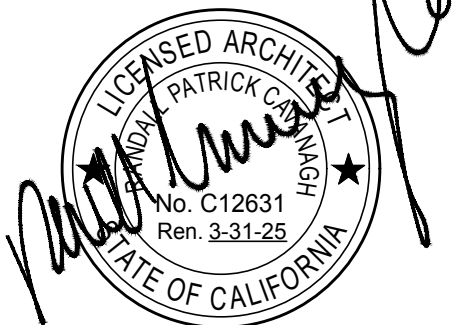
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SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
PLUMBING
ISOMETRICS

SHEET NUMBER:
P3.0

1. A COPY OF THE ORIGINAL, PREVIOUSLY APPROVED DSA UNDERGROUND PIPING PLANS OR OTHER WATER SUPPLY COMPONENTS, SUCH AS WATER TANKS, FIRE PUMPS, ETC., FOR THE PROJECT SHALL BE INCLUDED IN ALL AUTOMATIC FIRE SPRINKLER DEFERRED SUBMITTAL PACKAGE. ALL DEVIATIONS FROM THE PREVIOUSLY APPROVED PLANS SHALL BE IDENTIFIED AND SUBMITTED TO THE CHIEF OF FIRE PREVENTION PROCESS AS APPLICABLE. UNDERGROUND PIPING SIZE IS NOT THE RESPONSIBILITY OF DSA, AND THE ARCHITECT OF RECORD SHALL ASSUME FULL LIABILITY FOR UNDERSIZED PIPING. THE FINAL DESIGN OF THE FIRE SPRINKLER SYSTEM REQUIRE LARGER PIPING, ADDITIONAL WATER SUPPLY, FIRE PUMPS, OR OTHER EQUIPMENT OR ITEMS.
2. 2022 NFPA-13 SEC. 16.4.1.1: THE DESIGNER SHALL INDICATE ON THE PLANS, ALL PIPING SUBJECT TO FREEZING (WHERE WATER TEMPERATURE CANNOT BE MAINTAINED ABOVE 40-DEGREES FAHRENHEIT) AND PROVIDE APPROVED PROTECTION.
3. 2022 NFPA-13 SEC. 6.10.2.1.1: UNDERGROUND MAINS AND LEAD-IN CONNECTIONS TO SYSTEM RISERS SHALL BE COMPLETELY FLUSHED BEFORE CONNECTION IS MADE TO THE OVERHEAD SPRINKLER PIPING. WHERE UNDERGROUND PIPING IS FLUSHED AND NOT IMMEDIATELY CONNECTED TO THE OVERHEAD PIPING, THE RISER SHALL BE CAPPED OR OTHERWISE PROTECTED TO PREVENT DIRT, SLOTT, OR ANIMALS FROM ENTERING INTO THE UNDERGROUND PIPING. (THIS MUST BE WITNESSED BY THE PROJECT INSPECTOR.)
4. PROVIDE (MET SIGNED) WATER FLOW TEST INFORMATION NO MORE THAN 12 MONTHS OLD, AND INDICATE THE LOCATIONS AND HEIGHT ELEVATIONS OF THE TEST RESIDUAL FLOW HYDRANTS. WATER FLOW TEST INFORMATION MUST BE PROVIDED BY, OR WITNESSED BY, THE LOCAL WATER PEROVATOR, UTILITY COMPANY OR LOCAL FIRE DEPARTMENT. (2022 CFC, 506.4)
5. ARCHITECT OF RECORD (AOR), MECHANICAL ENGINEER (ME) AND FIRE PROTECTION CONTRACTOR (C-16) SHALL AFFIX THEIR SEAL, STAMP AND SIGN ALL SUBMITTALS, OR PROVIDE DOCUMENTATION PER DSA A-18.
6. 2022 NFPA-13 SEC. 6.2.9.5 AND SEC. 6.2.9.6: PROVIDE A SPARE SPRINKLER HEAD CABINET, SPRINKLER WRENCH, AND NO FEWER THAN SIX (6) SPRINKLER HEADS MATCHING THE TYPES AND TEMPERATURE RATING IN EACH PROTECTED AREA. FOR SYSTEMS LESS THAN 300 SPRINKLERS (12 SPARE SPRINKLER HEADS FOR SYSTEMS OF 300 TO 1,000 SPRINKLERS.)
7. 2022 NFPA-13 SEC. 16.2.5.8.1: SIGNAGE SHALL BE PROVIDED AS REQUIRED.
8. 2022 NFPA-13 SEC. 18.6.3: THE END (LAST) SPRINKLER ON EACH LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT.
9. 2022 NFPA-13 FIGURE 6.10.1: A COPY OF THE COMPLETED AND SIGNED "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" SHALL BE INCLUDED WITH THE SUBMITTAL.
10. 2022 NFPA-13 SEC. 6.10.2.2.1: ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200-PSI, OR 50-PSI IN EXCESS OF SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS. (TEST TO BE WITNESSED BY PROJECT INSPECTOR.)
11. 2022 NFPA-13 FIGURE 25.1: A SPRINKLER CONTRACTOR SHALL COMPLETE AND SIGN THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR THE ABOVE GROUND PIPING. THIS FORM SHALL BE GIVEN TO THE PROJECT INSPECTOR WHO WILL FORWARD IT TO DSA FOR FILING IN PROJECT RECORDS.
12. 2022 NFPA-13 SEC. 29.4.1: A PERMANENT HYDRAULIC CALCULATION DESIGN INFORMATION PLACARD SHALL BE ATTACHED TO EACH RISER PER CBC REVISION OF NFPA-13 SEC 29.4.3.
13. 2022 NFPA-13 SEC. 29.6: A GENERAL INFORMATION SIGN SHALL BE ATTACHED TO EACH RISER.
14. 2022 NFPA-13 SEC. 29.2.3.2.1: THE SPRINKLER FLOW SWITCH SHALL BE TESTED TO CONFIRM THAT WHEN THE INSPECTOR'S TEST VALVE IS OPENED, AN ALARM WILL SOUND NO MORE THAN 90-SECONDS AFTER THE INITIAL FLOW. (TEST TO BE WITNESSED BY THE PROJECT INSPECTOR.)
15. 2022 CBC SEC. 903.4.1: THE MAIN FIRE ALARM PANEL VALVE MONITORING, WATER-FLOW AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT, AND SHALL AUTOMATICALLY BE TRANSMITTED TO AN APPROVED CENTRAL STATION MONITORING COMPANY.
16. 2022 NFPA-13 SEC. 6.9.1 AND 2022 NFPA-13 SEC. 903.4.2: THE FLOW SWITCH SHALL BE CONNECTED TO AN APPROVED EXTERIOR ALARM BELL OR OTHER AUDIBLE ALARM DEVICE (SIZE NOT MANDATED BY CODE) AT EACH RISER. APPROVED IDENTIFICATION SIGNS STATING "SPRINKLER FLOW ALARM" WHEN ALARM SOUNDS CALL 911/FIRE DEPARTMENT SHALL BE INSTALLED ON THE EXTERIOR ALARM BELL.
17. 2022 CBC SEC. 904.4.3: CONNECTIONS TO PROTECTED PREMISES AND SUPERVISING STATION FIRE ALARM SYSTEMS SHALL BE TESTED BY VERBALLY IDENTIFICATION AND TRANSMISSION OF ALARM SIGNALS FROM AUTOMATIC FIRE EXTINGUISHING SYSTEMS. (TEST TO WITNESSED BY PROJECT INSPECTOR.)
18. 2022 CBC, 903.4.2 AND 2022 NFPA-13 SEC. 16.14.1.1 THRU SEC. 16.14.1.4: THE INSPECTOR'S TEST VALVE LOCATION SHALL BE INSTALLED DOWNSTREAM OF THE ALARM DEVICE (WATERFLOW SWITCH). THE PIPE SIZE SHALL BE NO LESS THAN 1-1/2" FOR A SMOKE RISER, CORPUSCLE RESISTANT CORPICE, PROVIDING EQUIVALENT FLOW OF THE SMALLEST ORIFICE OF THE SPRINKLER TYPES INSTALLED ON THE SYSTEM. THE DISCHARGE SHALL BE TO THE EXTERIOR OF THE BUILDING.
19. COR TITLE-19 (PUBLIC SAFETY), ARTICLE 906 (A) A LABEL OF THE SELF-ADHESIVE TYPE SHALL BE PLACED ON THE FIRE DEPARTMENT CONNECTION (FDC) OR ON THE RISER FOR THE FIRE SPRINKLER SYSTEM, INDICATING THE DATE OF THE INSTALLATION AND/OR THE DATE SERVICE WAS PERFORMED, AND THE LICENSE NUMBER OF THE PERSON PERFORMING THE SERVICE WORK.

PLAN DETAILS THE FIRE SPRINKLER SYSTEM FOR:

PARADISE CANYON E.S. 471 KNIGHT WAY LA CANADA, CA

DING CONSTRUCTION TYPE: VB
DING OCCUPANCY: E
DING AREA: (2)70' X 36' BLDGS 5,040 SQ. FT.
(3)84' X 36' BLDGS 9,072 SQ. FT.
(1)94' X 36' BLDG 3,384 SQ. FT.

PIPE SCH.	PIPE SIZE, LENGTH, QUANTITY, LBS./FT.	WEIGHT OF WATER FILLED PIPE	COMBINED WEIGHT OF ALL PIPE IN ZONE (W _g)	Cp	ADJUSTED ASSIGNED LOAD
10	2½" (5.89) x 48'	381 LBS.	381 LBS.	(.89)	141 LBS.
			PERCENTAGE(15) FOR FITTINGS AND DEVICES:		22 LBS.
LONGITUDINAL BRACE				TOTAL LOAD: 163 LBS. (Fp)	

EARTHQUAKE BRACE CALCULATIONS					
ZONE OF INFLUENCE CALCULATIONS					
(Sg) VALUE					LATERAL BRACE
1.916					
			PERCENTAGE(15) FOR FITTINGS AND DEVICES:		55 LBS.
				TOTAL LOAD: 416 LBS. (Fp)	

EARTHQUAKE BRACE CALCULATIONS					
ASSIGNED LOAD: ADJUSTED (SEE ZONE OF INFLUENCE CALCULATIONS ABOVE)					
SPRINKLER MAIN SIZE	MAX. BRACE SPACING	ADJUSTED ASSIGNED LOAD			
2½"	24' LAT. - 48' LONG.	416 LBS. (Fp)			
BRACE SPACING: TABLE 18.5.11.8(B)					

BRACE PIPE SIZE	MAX LENGTH	MAX BRACE ANGLE	MAX HORIZ. LOAD
1"	7'-0"	59° FROM VERT.	1310 LBS.

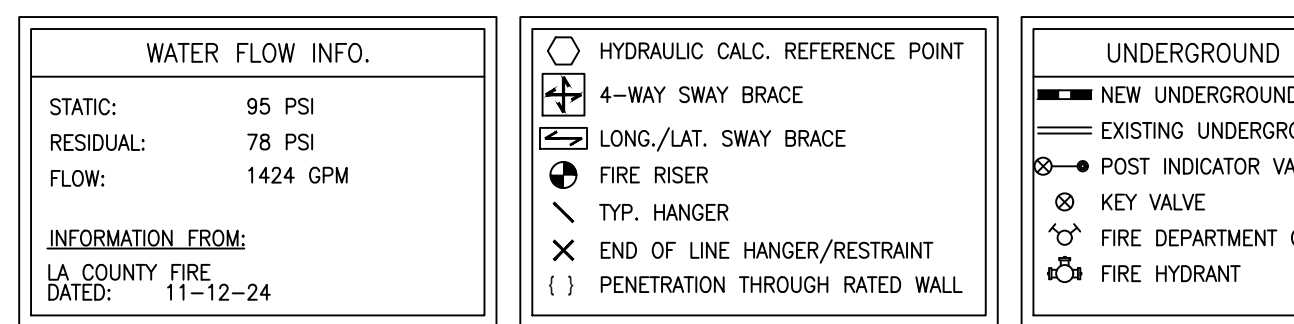
FASTENER SIZE: FIG. 18.5.12.1	← PER STEEL CONN. & ANGLE OF BRACE
FASTENER SIZE/TYPE	BRACE ANGLE (DIAGRAM)
½" x ½" HEX BOLT	45°-59° FROM VERT.(FIG.E)(STEEL CONN.)
	MAX ASSIGNED LOAD
	2050 LBS.

SEISMIC BRACE ATTACHMENT	
STRUCTURAL ATTACHMENT FITTING BRACE SYSTEM	
MAKE: AFCON	MODEL: 775
LISTED LOAD RATING: 2015	ADJUSTED LOAD RATING PER 18.5.11.8: 1612 (B)
SWAY BRACE (PIPE ATTACHMENT) FITTING:	
MAKE: AFCON	MODEL: 001
LISTED LOAD RATING: 800	ADJUSTED LOAD RATING PER 18.5.11.8: 640 (B)

HANGER/RESTRAINT NOTE

** LATERAL BRACING IS NOT REQUIRED ON PIPES LESS THAN 2" INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6" LONG, PER 2022 NFPA-13, SECT-18.6.5

** THE END OF LINE RESTRAINT DETAIL #2 ON THIS PLAN WILL RESTRAIN END SPRINKLER AGAINST EXCESSIVE VERTICAL MOVEMENT, AND LATERAL MOVEMENT IS LIMITED BY THE SHORT RODS (6" OR LESS) WHICH MEET THE ABOVE EXCEPTION FOR LATERAL BRACING NO ADDITIONAL BRACING OR SPLAY WIRE IS REQUIRED ON BRANCH LINES.



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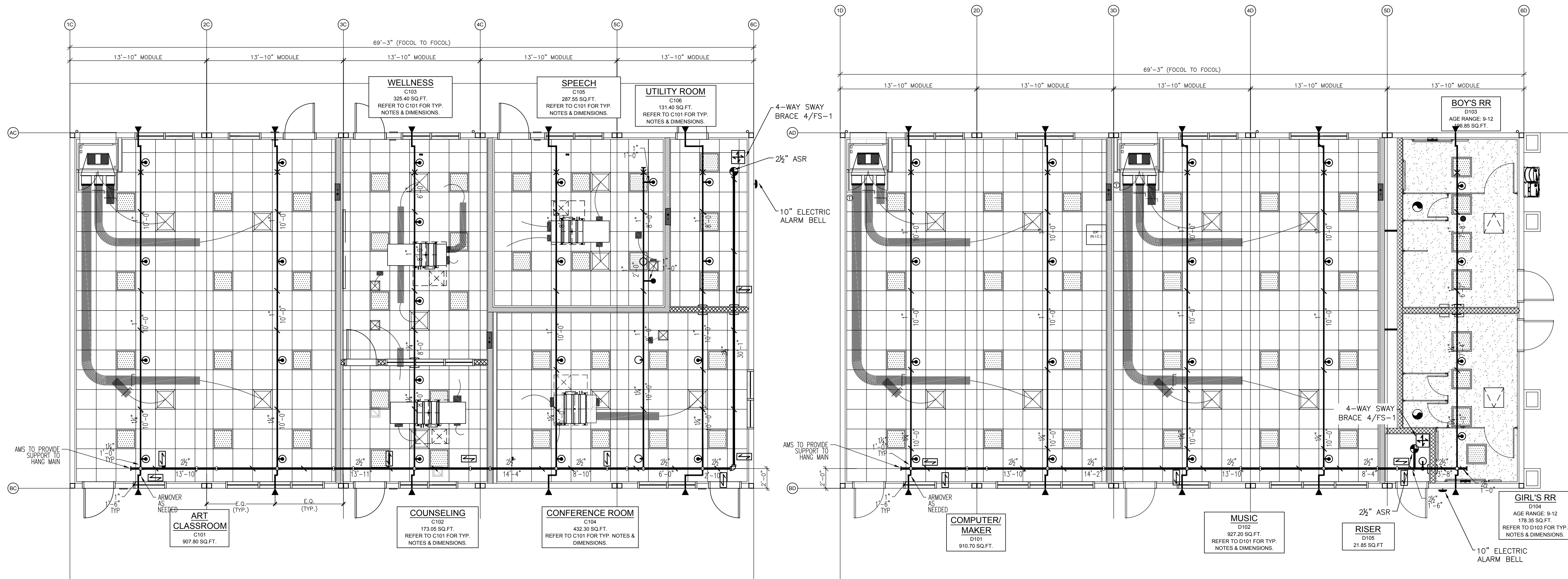
DRAWN BY:	AV
SCALE:	AS NOTED
DATE:	12/03/24
PROJECT NO:	1902-24

SHEET TITLE:

FIRE SPRINKLER COVER SHEET

SHEET NUMBER:

FS-1



REFLECTED CEILING FIRE SPRINKLER PIPING PLAN
90' X 32' MODULAR CLASSROOM BUILDING (C)

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

BUILDING "F" WORST CASE CONDITION
CALCULATION. DEMAND AND PIPE SIZING
APPLIES TO ALL BUILDINGS

REFLECTED CEILING FIRE SPRINKLER PIPING PLAN
90' X 32' MODULAR CLASSROOM BUILDING (D)

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

BUILDING "F" WORST CASE CONDITION
CALCULATION. DEMAND AND PIPE SIZING
APPLIES TO ALL BUILDINGS

WATER FLOW INFO.

STATIC: 95 PSI
RESIDUAL: 78 PSI
FLOW: 1424 GPM
(SEE ATTACHED)

INFORMATION FROM:
LA COUNTY FIRE
DATED: 11-12-24

HYDRAULIC CALC. REFERENCE POINT

4-WAY SWAY BRACE
LONG/LAT. SWAY BRACE
FIRE RISER
TYP. HANGER
END OF LINE HANGER/RESTRAINT

HANGER LEGEND

UNDERGROUND FIRE MAIN

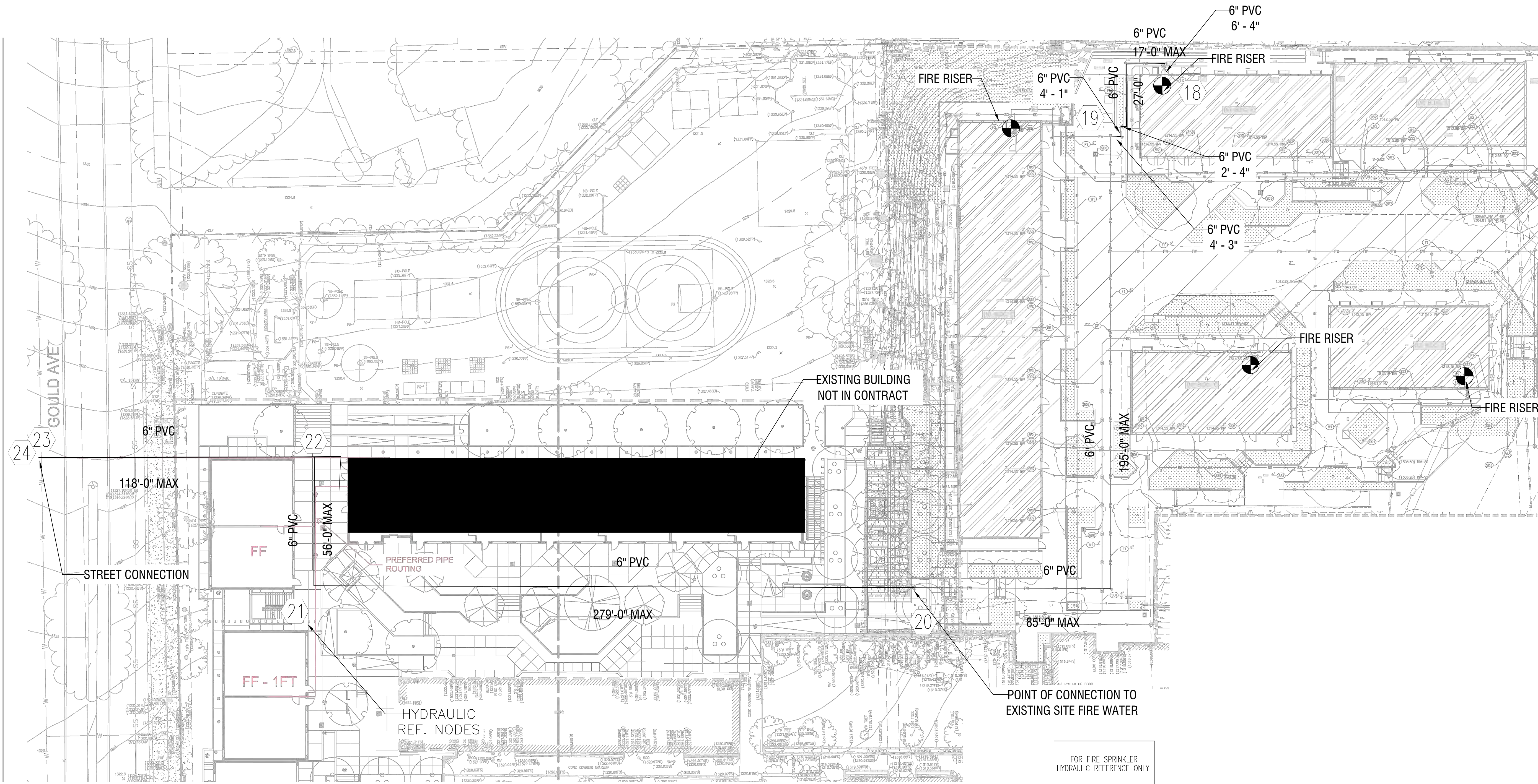
NEW UNDERGROUND PIPING
EXISTING UNDERGROUND PIPING
POST INDICATOR VALVE (PIV)
KEY VALVE
FIRE DEPARTMENT CONNECTION (FDC)
FIRE HYDRANT

FIRE SPRINKLER HEAD LEGEND

SYM.	MAKE AND MODEL	K-FAC	SIZE	TEMP	TYPE	FINISH	CANOPY	QTY.
○	RELIABLE F1FR	5.6	1/2"	200°	UPRIGHT	BRASS	N/A	47
●	RELIABLE F1FR	5.6	1/2"	155°	PENDENT	CHROME	CHR. RECESSED	43

TOTAL SPRINKLER HEADS THIS SHEET 90

02-122044 - 150'x150' - 150'x150' BUILDINGS - 04/25/2024 11:45 AM REVISED: 04/25/2024 02:17 PM C:\Users\mca\OneDrive\Documents\AMERICAN MODULAR\AMERICAN MODULAR\02-122044 - 150'x150' - 150'x150' BUILDINGS - 04/25/2024 11:45 AM REVISED: 04/25/2024 02:17 PM



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 05/07/2026

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PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

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

REVISIONS	
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DRAWN BY: AA
SCALE: AS NOTED
DATE: 10/16/24
PROJECT NO: 1908-24

SHEET TITLE:
FIRE SPRINKLER SITE PLAN

SHEET NUMBER:

FS-4