

DOCUMENT 009113.01 – ADDENDUM 01

1.1 PROJECT INFORMATION

- A. Project Name: Middle Park High School Summer 2026 Renovation
 - 1. Owner: East Grand School District No. 2
 - 2. Owner Project Number <Owner Project Number>.
 - 3. Architect: Hord Coplan Macht (HCM).
 - 4. Architect Project Number: 222000.30

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract.
- B. Incorporate the following modifications, corrections, additions and /or deletions into the Drawings, Specifications and Construction Documents issued for this project.
- C. This Addendum is dated March 06, 2026 and will be attached to and become part of the Contract Documents dated February 11, 2026 and submitted with the Contract.
- D. There have been occasions when the failure of a Contractor to acknowledge receipt of Addenda has cost him/her the award of a Contract. Please acknowledge receipt of this Addendum on the Bid Form.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. Response to Bidder Questions, dated February 25, 2026.
- B. This Addendum includes the following attached Sheets:
 - 1. A-103P – PRESS BOX PLANS, ELEVATIONS, & BUILDING SECTIONS
 - 2. A-160 – EQUIPMENT PLAN – WOODS / WELDING
 - 3. M-111E – FIRST FLOOR PLAN – MECHANICAL – AREA E
 - 4. M-121D – FIRST FLOOR PLAN – MECHANICAL – AREA D
 - 5. M-513 – MECHANICAL & PLUMBING DIAGRAMS
 - 6. M-514 - MECHANICAL & PLUMBING DIAGRAMS
 - 7. M-611 – MECHANICAL & PLUMBING SCHEDULES
 - 8. M-612 - MECHANICAL & PLUMBING SCHEDULES
 - 9. E-100 – PRESS BOX PLANS – ELECTRICAL
 - 10. E-511 – ONE LINE DIAGRAM AND PANEL SCHEDULE – PRESS BOX
 - 11. T-000 – TECHNOLOGY COVERSHEET
 - 12. T-001 – TECHNOLOGY SITE PLAN
 - 13. T-100 – PRESS BOX PLANS – TECHNOLOGY
 - 14. T-400 – TECHNOLOGY RISERS
 - 15. T-600 – TECHNOLOGY SCHEDULES

1.4 REVISIONS TO PREVIOUS ADDENDA

- A. Not Used.

1.5 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS.

- A. Not Used.

1.6 REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS

- A. Not Used.

1.7 REVISIONS TO DIVISIONS 02-49 SPECIFICATION SECTIONS

- 1. Not Used.

1.8 REVISIONS TO DRAWING SHEETS

- A. Revision to sheet A-103P.

- 1. Revise sandstone wall extent and pattern as indicated on 1/L3.04 and 4/L3.04.

- B. Revision to sheet A-160.

- 1. Revise note on A/S0.07 to read 'Details E/S0.07 or F/S0.07 required where loading in excess of 1,200 lb wheel load is imposed on Existing Arthur Ditch'.

- C. Revision to sheet M-111E.

- 1. Add sheet, add new thermostats.

- D. Revision to sheet M-121D.

- 1. Add sheet, add new thermostats.

- E. Revision to sheet M-513

- 1. Revision to Heating Flow Diagram.
- 2. Revision to Indirect Water Heater Detail.

- F. Revision to sheet M-514.

- 1. Revision to Heating Plant Control Diagram.

- G. Revision to sheet M-611.

- 1. Refurbishment schedules moved to M-612

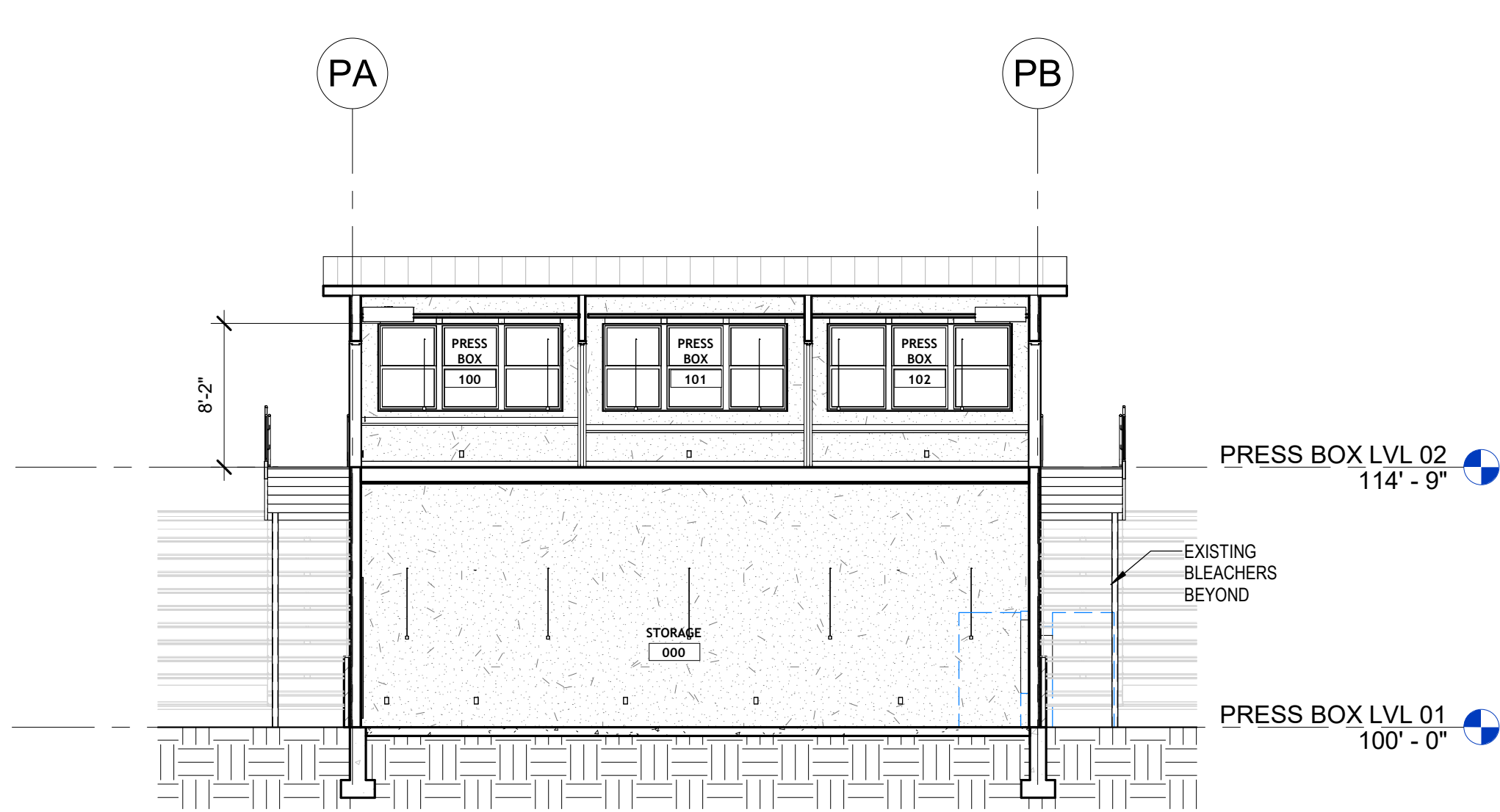
- H. Revision to sheet M-612.

1. Revision to existing air handling unit refurbishment schedule.
 2. Add existing terminal unit refurbishment schedule.
- I. Revision to sheet E-100.
1. Remove TR-LS.
 2. Revise Panel LS and Press box, Partial Electrical One-Line Diagram.
 3. Add motorized gate operator electrical connection described in keynote 2247.
- J. Revision to sheet E-511.
1. Remove TR-LS.
 2. Revise Panel LS and FDS Press box.
 3. Add service ground detail.
 4. Update feeder sizes for 120/240V 1-phase service using existing pole mount transformer and meter socket.
 5. Add disconnect schedule.
- K. Revision to sheet T-000.
1. Revise sheet notes to clarify that new press box will be supported by fiber connection instead of wireless bridge.
 2. Add 2" conduit between existing Granby ES handhole and new press box to support fiber connection.
 3. Add note for contractor to provide alternate for reestablishing the microwave antenna connection that previously supported the old press box in the new press box.
- L. Revision to sheet T-100.
1. Add 2" conduit for fiber connection stub up to 1/T-100.
 2. Remove Wireless Bridge Antenna from 2/T-100.
 3. Revise sheet notes to clarify that the old press box has already been demolished with the existing AV system salvaged. Contractor to install the old press box AV system in the new press box in coordination with owner.
 4. Add Fiber Distribution Cabinet to press box cabinet elevation.
- M. Revision to sheet T-400.
1. Revise Press Box Copper Riser Diagram to remove wireless bridge connection and show fiber optic cable connection.
- N. Revision to sheet T-600.
1. Remove TES entry for Wireless Bridge Antenna.
 2. Add TES entry for Fiber Distribution Cabinet.
- 1.9 RESPONSE TO CONTRACTOR COMMENTS
- A. Contractor Comments Provided by FCI on February 25, 2025.

1. Comment: Press box stairs are shown with exposed steel posts on the structural drawings (sheet S-100), but these posts are not shown on the architectural (sheet A-103P). Please confirm these posts are to be painted along with the stair assembly
 - a. Response: Steel columns are added to the press box drawings and called out to have high performance coating, with added material note 9-1. See attached revised sheet A-103P.
2. Comment: Bleacher railing shows new chain-link fabric being installed on existing angle iron (note 32-1/ A103P), please clarify if the existing angle iron will require repair or refinishing.
 - a. Response: Intent is to retain structural angle posts for the bleachers. There does not appear to be an alternative solution to mount the fabric fence. These posts are assumed to be in good condition but will need to be observed in field to confirm. Posts to be painted with high performance coating. Revised sheet A-103P incorporates these updates.
3. Comment: Press box cement board siding shows color as TBD (note 7-3/A-103P), is this siding to be pre-finished from the factory or field painted?
 - a. Response: All cement board siding to be pre-finished. Cement board is revised under the press box windows adjacent to the top row of bleacher seats to be flush panel, rather than lap siding. See updated material notes and drawings on sheet A-103P. Revised window schedule and details provided on updated sheet A-611P.
4. Comment: Existing bleachers show new aluminum handrail on one side, is this handrail expected to match the existing bleacher handrailing? If so, please provide an elevation or attachment detail of the existing railing if possible.
 - a. Response: The intent is to match the same handrail profile. The existing handrail and attachment are steel. The intent is for the new handrail to be aluminum to match the bleacher system and prevent rusting. Elevation of railing added to the press box drawings, and a photo of the existing post mounting added to sheet A-103P.
5. Comment: Please confirm the shop equipment shown on sheet A-160 and noted as new/relocated are to be furnished and relocated by others.
 - a. Response: Yes, all equipment is relocated / provided by the owner. This clarification is provided on sheet A-160.
6. Comment: Press box one line diagram on sheet E-511 shows power to be routed from panel located southwest of football field, however there is no note on the site plans to show where this panel is. Please provide the location of this panel so this scope can be accurately priced.
 - a. Response: Detail 1 on sheet E-511 revised to indicate location of existing pole.
7. Comment: Automatic lift gate to the west side of the new press box does not show any power being fed to it on the electrical drawings. Please provide the power requirements and existing power tie-in location for this gate.
 - a. Response: Keynote 2247 added to sheet E-100 for gate power.

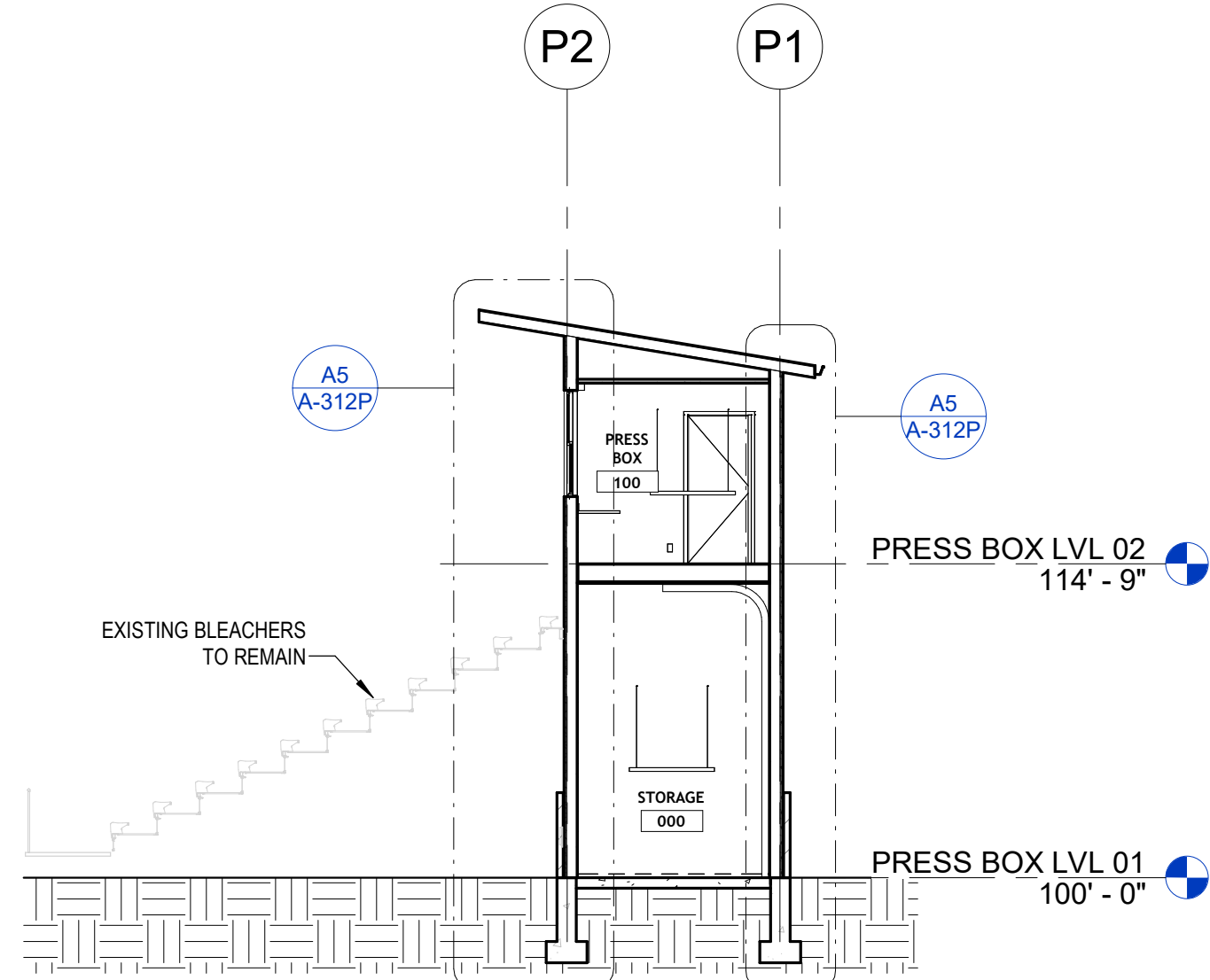
8. Comment: Notes on sheet T-100 reference an existing press box that is to be demolished, please confirm that there is not an existing press box in the location of the new one, and clarify scope for items currently shown to be reused existing equipment (microwave antenna system and AV headend).
 - a. Response: The former press box was previously demolished. This note is corrected on sheet T-100.
9. Comment: Technology equipment schedule on sheet shows manufactures and models of equipment that is shown elsewhere to be reused existing equipment. Please clarify which equipment in this schedule is to be reinstalled existing or furnished/installed by owner.
 - a. Response: The technology equipment schedule is updated on the revised T-600 sheet.

END OF DOCUMENT 009113.01



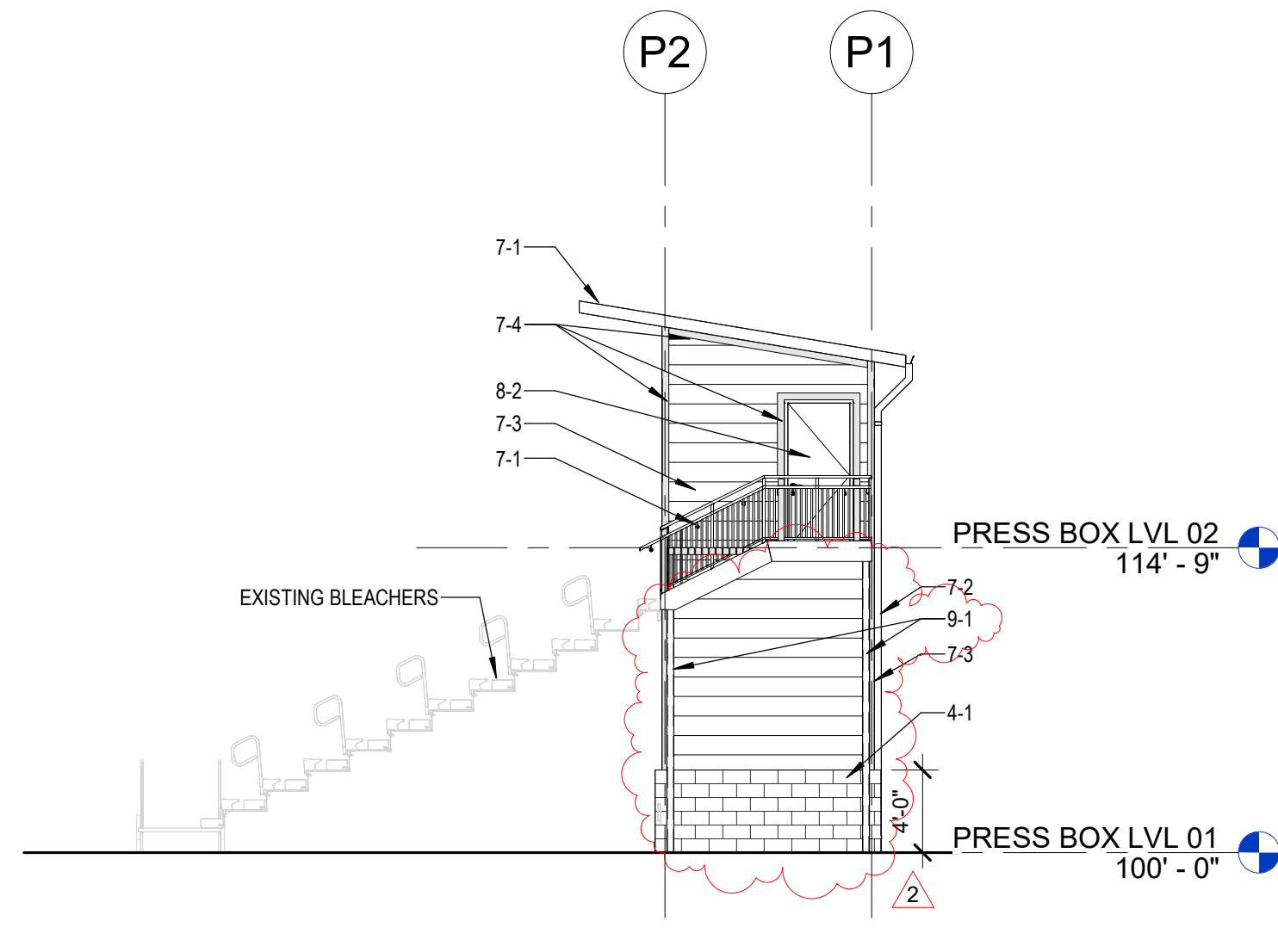
E1 PRESS BOX N/S BUILDING SECTION

A-103P/A-103P 1/8" = 1'-0"



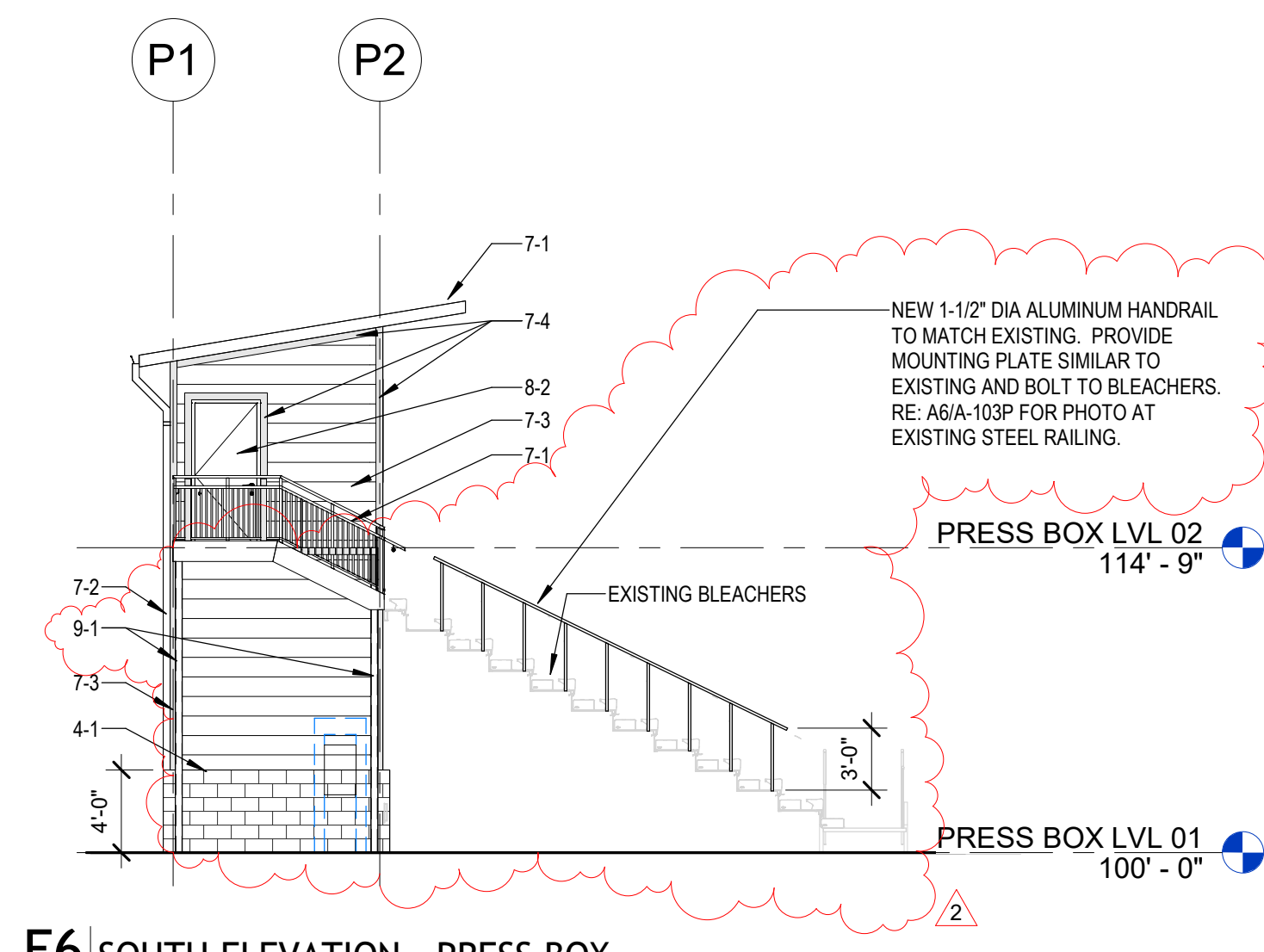
E2 PRESS BOX E/W BUILDING SECTION

A-103P/A-103P 1/8" = 1'-0"



E4 NORTH ELEVATION - PRESS BOX

A-103P/A-103P 1/8" = 1'-0"



E6 SOUTH ELEVATION - PRESS BOX

A-103P/A-103P 1/8" = 1'-0"

PRESS BOX MATERIAL LEGEND

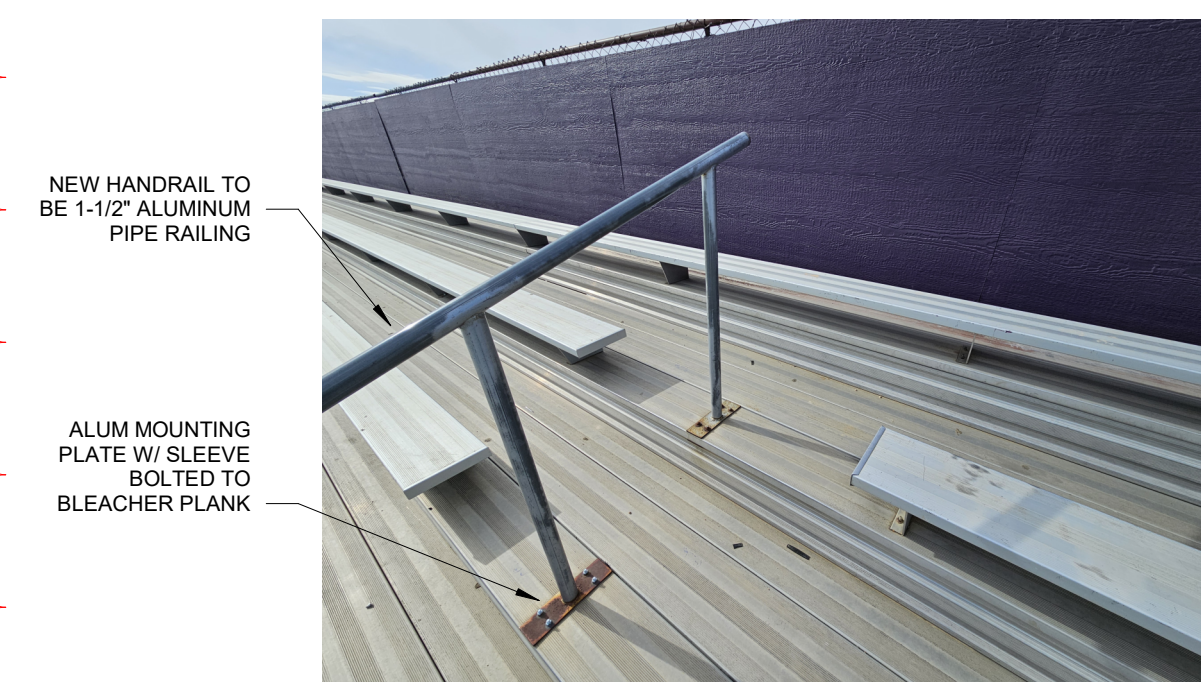
4-1	CMU VENEER, COLOR TBD
5-1	STEEL STAIR ASSEMBLY, GUARDRAIL & HANDRAIL - PAINT
7-1	STANDING SEAM ROOF
7-2	PREFINISHED GUTTER AND DOWNSPOUTS
7-3	PREFINISHED CEMENT BOARD LAP SIDING, COLOR TBD
7-4	1X4 PREFINISHED CEMENT BOARD TRIM, COLOR TBD. EXTENTS SHADED FOR CLARITY
7-5	PREFINISHED 4X8 CEMENT BOARD PANEL SIDING & BATTEN TRIM, COLOR TBD
8-1	STEEL SECTIONAL DOOR
8-2	HM DOOR AND FRAME - PAINT
8-3	FIBERGLASS SINGLE HUNG WINDOW - SINGLE
8-4	FIBERGLASS SINGLE HUNG WINDOW - TRIPLE
9-1	PAINT - HIGH PERFORMANCE COATING
32-1	NEW CHAIN LINK FABRIC ON EXISTING FENCE STRUCTURE

FLOOR PLAN GENERAL NOTES

- DIMENSIONS INDICATED ARE TO FACE OF GYPSUM BOARD OF PARTITIONS AND GRID LINES, UNLESS NOTED OTHERWISE.
- ALL DOORFRAMES TO BE LOCATED 4" FROM PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
- REFER TO FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS AND FLOOR FINISH PATTERNS.
- PROVIDE BLOCKING AT ALL WALL MOUNTED ACCESSORIES, EQUIPMENT, CASEWORK, ETC.
- PROVIDE PAINTED ACCESS PANELS IN WALLS AND GYPSUM BOARD CEILINGS AT CONCEALED ITEMS (VALVES, CONTROLS, SWITCHES, AND ANY OTHER ITEM THAT REQUIRES ACCESS). GO TO DETERMINE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

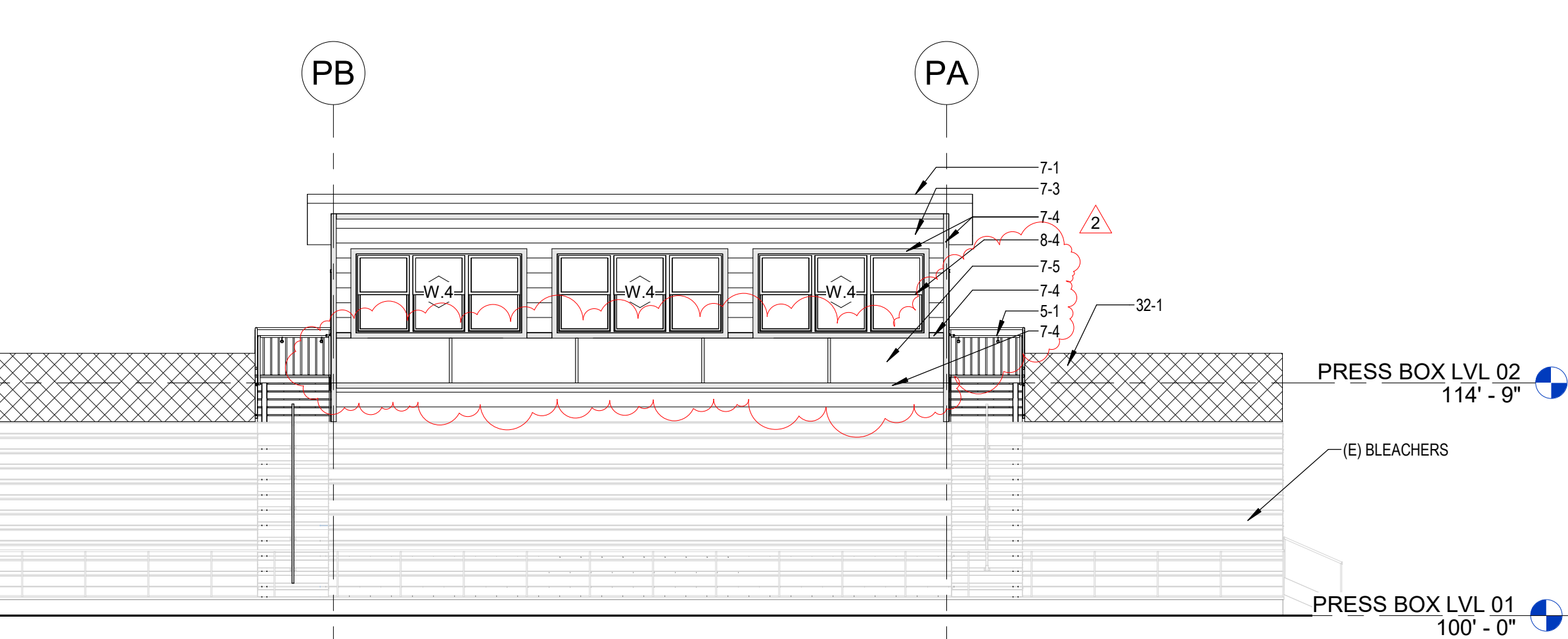
SHEET NOTES - PRESS BOX PLANS

NOTE #	NOTE
1	SEMI-RECESSED FIRE EXTINGUISHER CABINET
2	NO NEW PAINT ON THIS WALL
2	SOLID SURFACE COUNTERTOP ON WALL MOUNTED BRACKETS
2	SOLID SURFACE COUNTERTOP ON WALL MOUNTED BRACKETS
3	METAL GRATE STAIRS AND LANDING, RE: STRUCT
3	METAL GRATE STAIRS AND LANDING, RE: STRUCT
4	STEEL GUARDRAIL AND HANDRAIL
4	STEEL GUARDRAIL AND HANDRAIL
5	ALUM HANDRAIL ATTACHED TO FACE OF EXISTING BLEACHERS
6	REMOVE AND REPLACE CHAIN LINK FABRIC EXISTING FENCE STRUCTURE TO REMAIN
6	REMOVE AND REPLACE CHAIN LINK FABRIC EXISTING FENCE STRUCTURE TO REMAIN
7	REMOVE CHAIN LINK FABRIC, HORIZONTAL FENCE RAILING, STEEL ANGLE VERTICAL POSTS
8	REMOVE 4" WIDE ALUM BLEACHER SEAT AT STAIR AISLE, CAP END OF SEAT PLANKS
8	REMOVE 4" WIDE ALUM BLEACHER SEAT AT STAIR AISLE, CAP END OF SEAT PLANKS
9	EXISTING BLEACHER ASSEMBLY TO REMAIN
9	EXISTING BLEACHER ASSEMBLY TO REMAIN



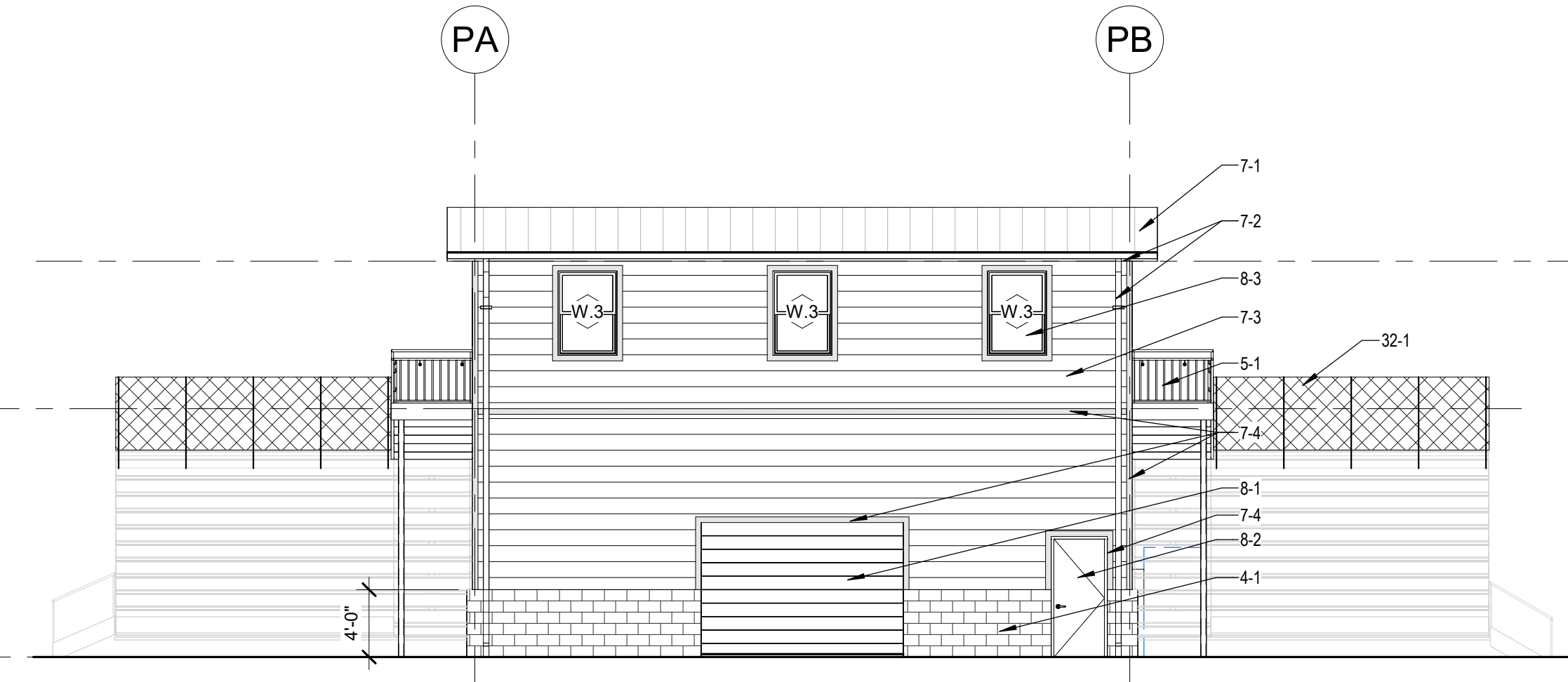
A6 EXISTING GUARDRAIL MOUNTING

A-103P 1/8" = 1'-0"



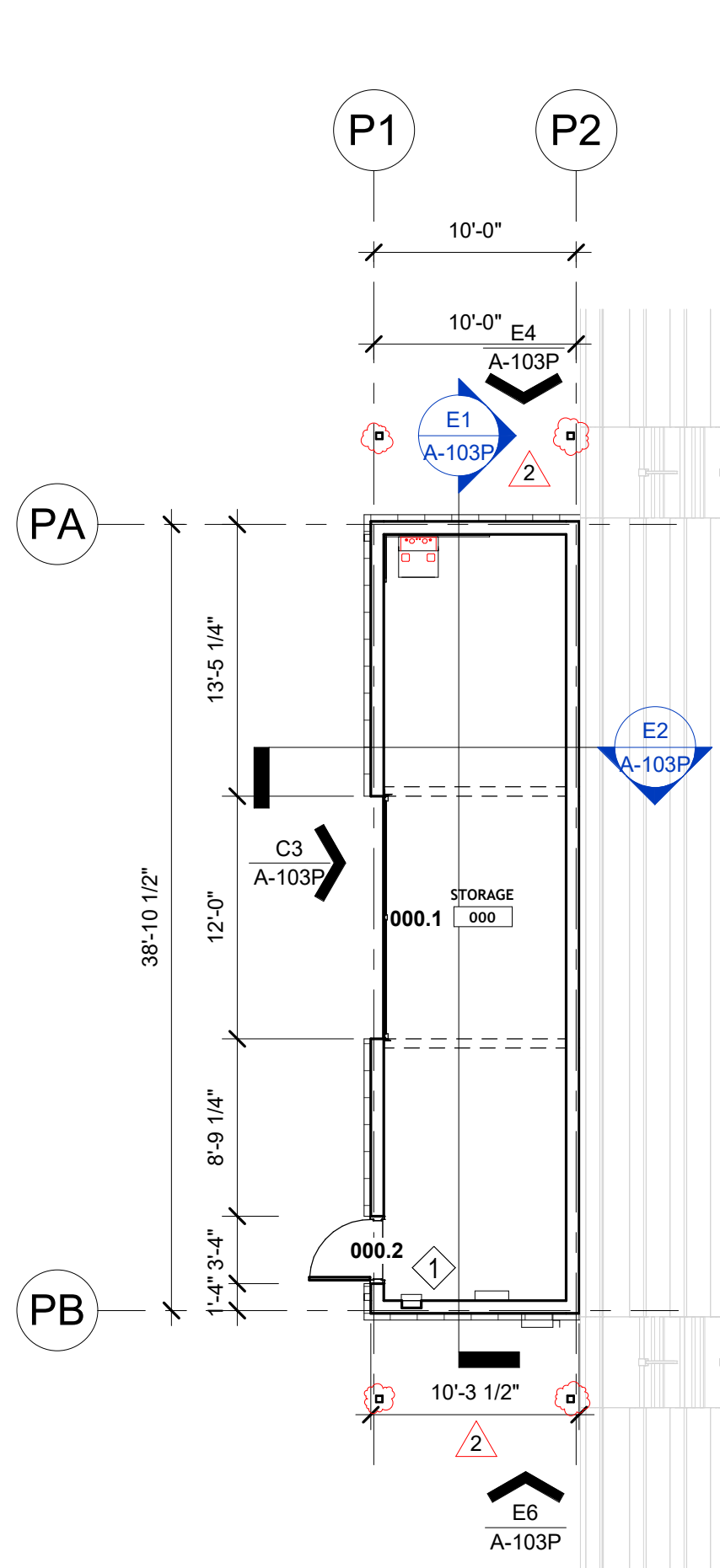
C1 EAST ELEVATION - PRESS BOX

A-103P/A-103P 1/8" = 1'-0"



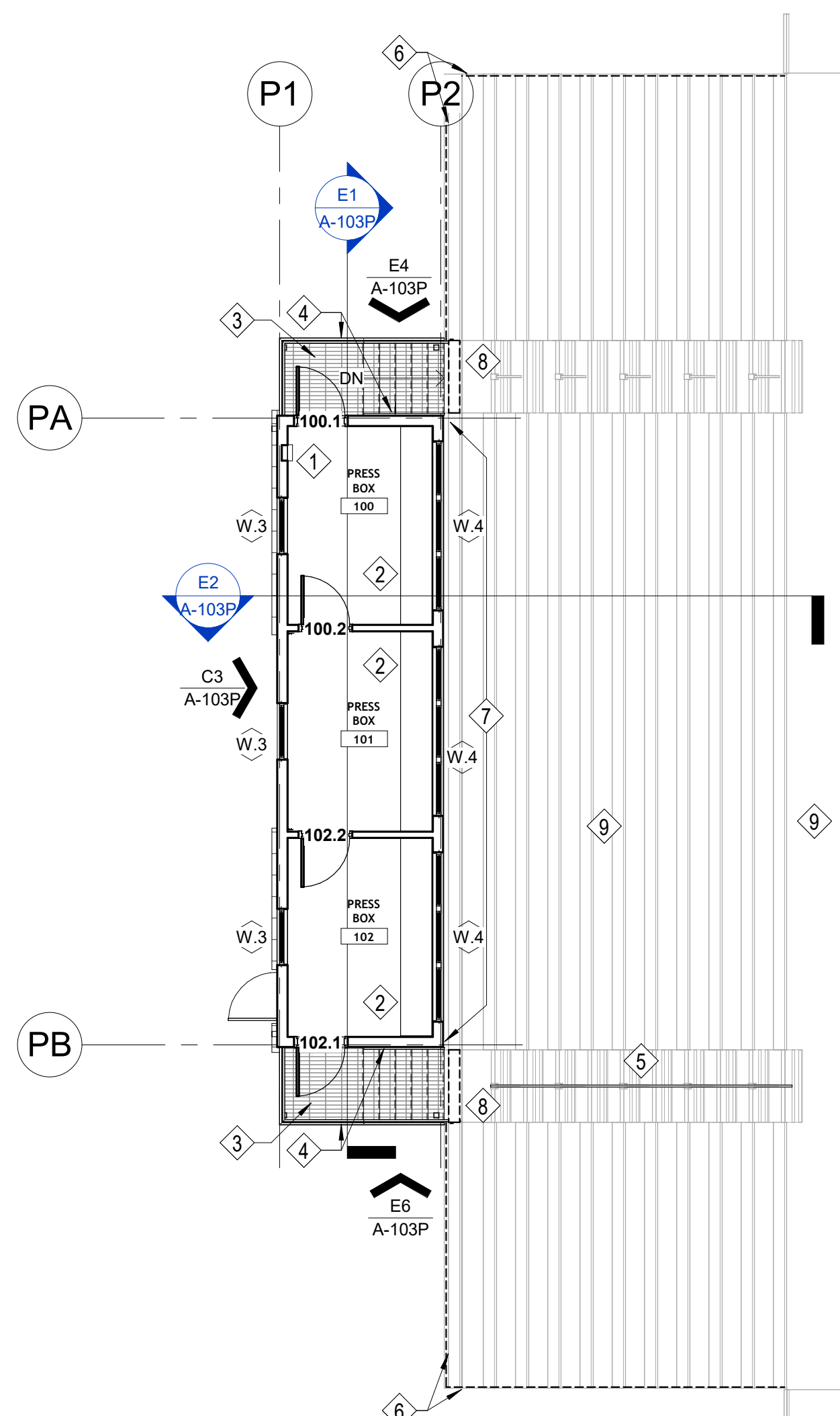
C3 WEST ELEVATION - PRESS BOX

A-103P/A-103P 1/8" = 1'-0"



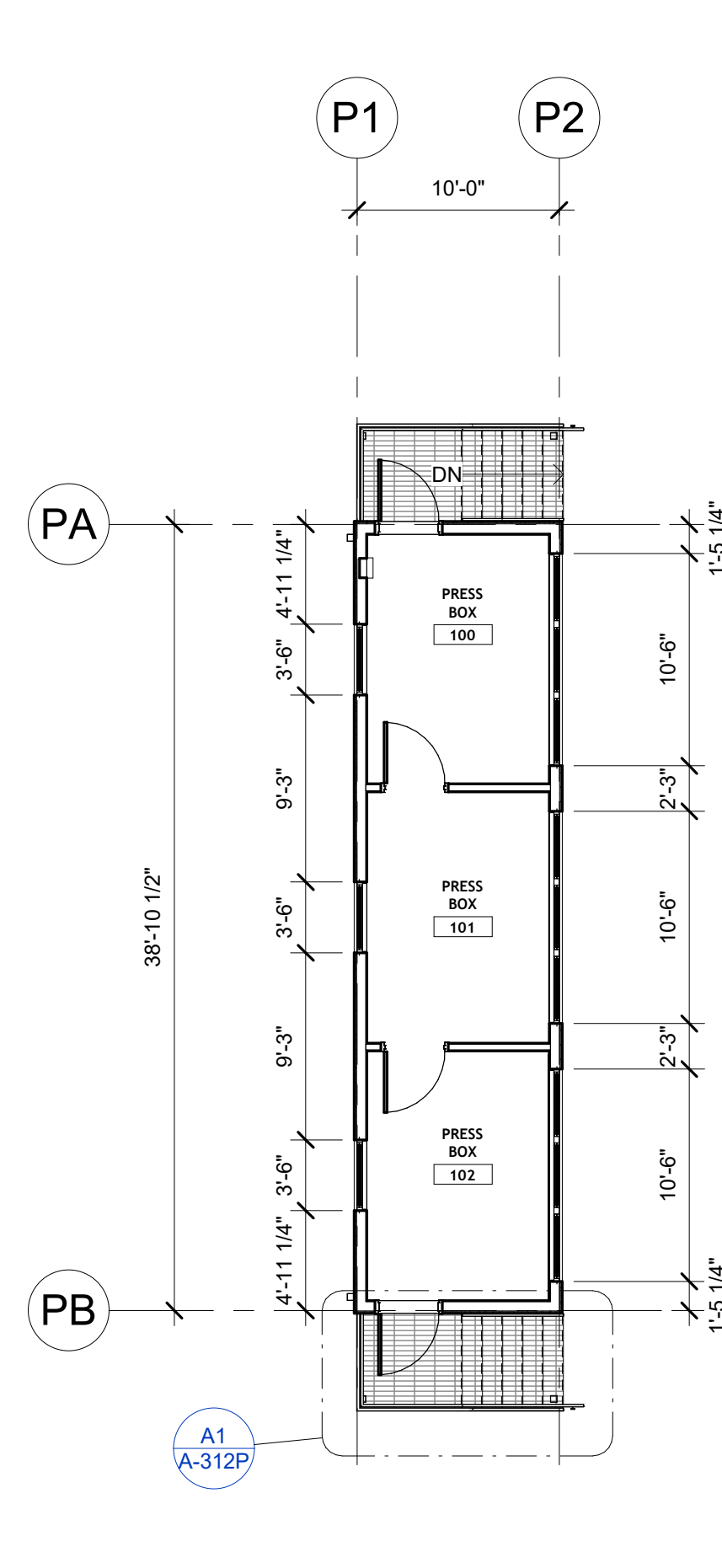
A1 FIRST FLOOR PLAN - PRESS BOX

A-103P 1/8" = 1'-0"



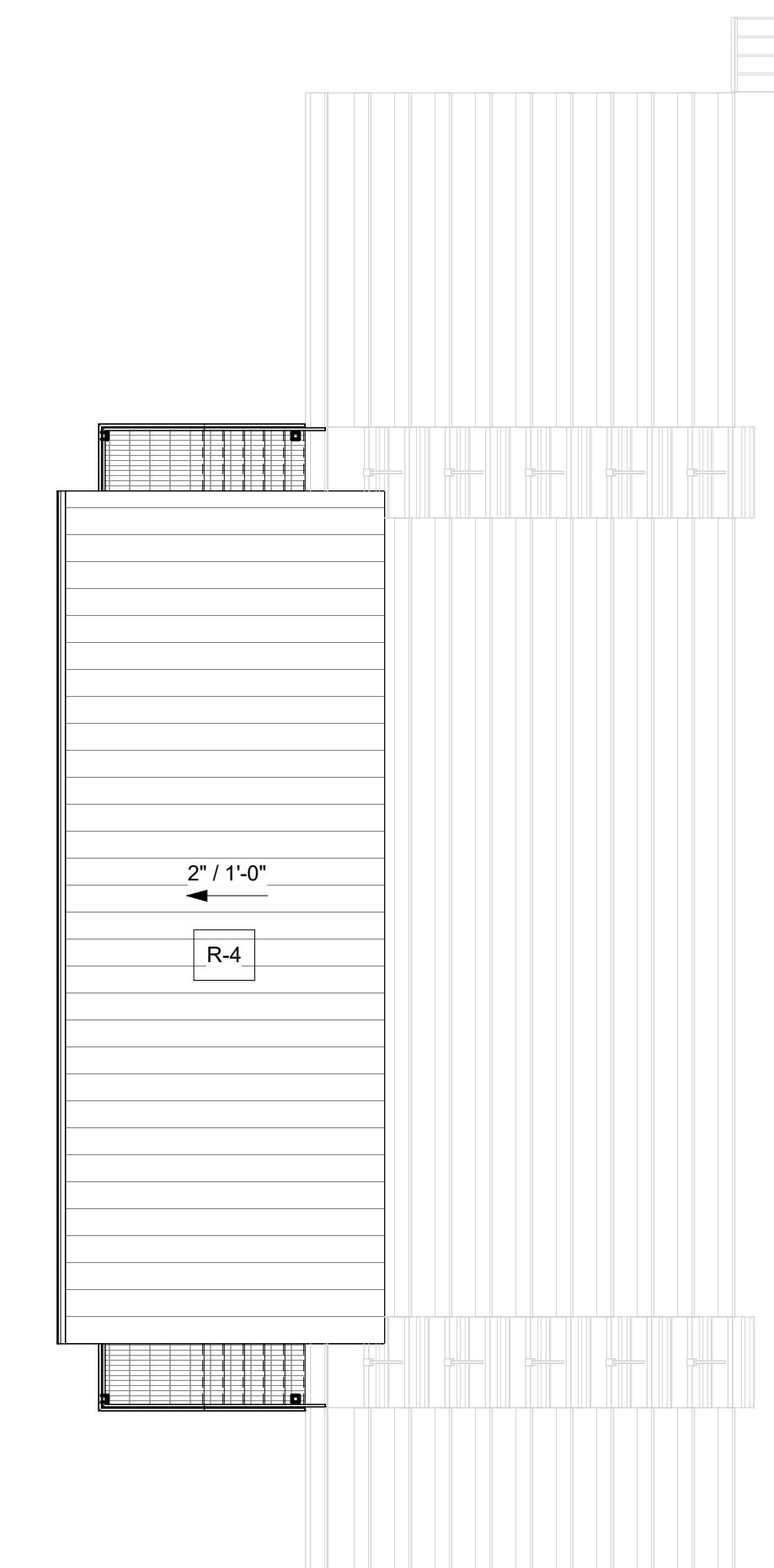
A2 SECOND FLOOR PLAN - PRESS BOX

A-103P 1/8" = 1'-0"



A4 SECOND FLOOR DIMENSION PLAN - PRESS BOX

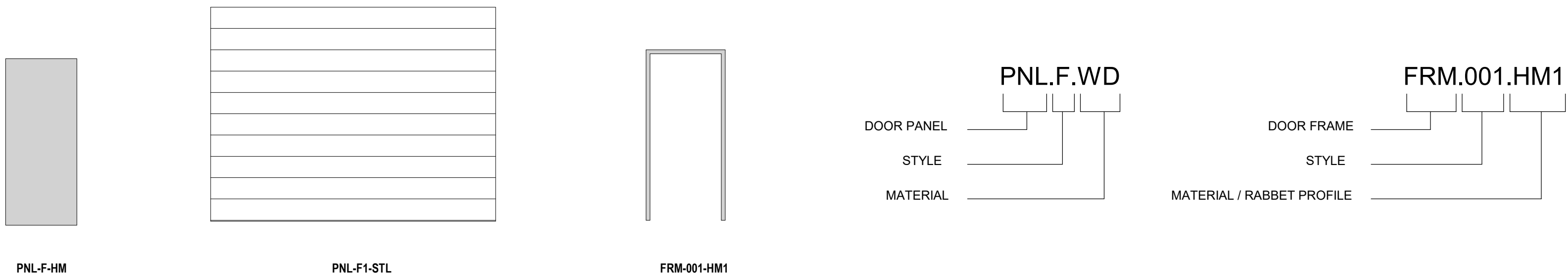
A-103P 1/8" = 1'-0"



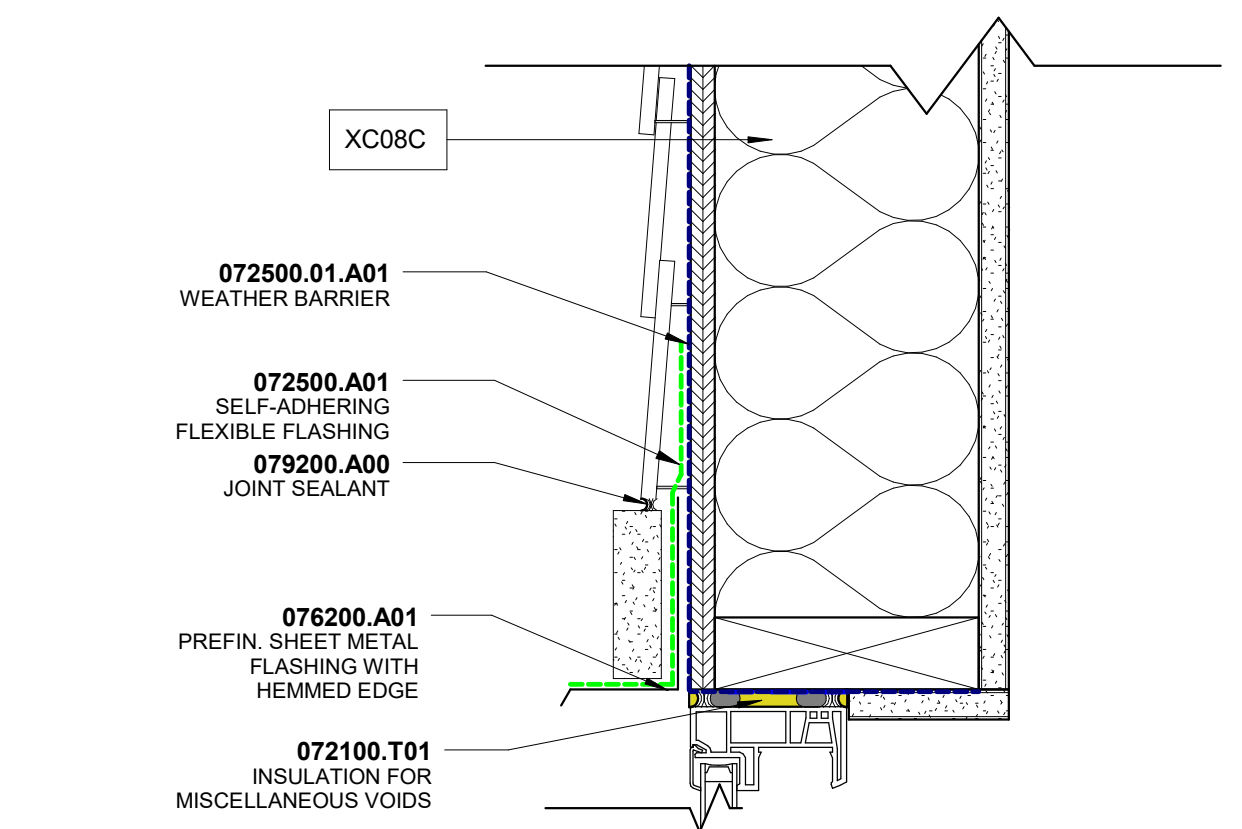
A5 ROOF PLAN - PRESS BOX

A-103P 1/8" = 1'-0"

DOOR SCHEDULE - PRESS BOX															
MARK	ROOM NAME	PANEL			FRAME						HARDWARE SET	FIRE RATING	DETAILS		COMMENTS
		TYPE	HEIGHT	WIDTH	FINISH	THICKNESS	TYPE	HEIGHT	WIDTH	FINISH			HEAD	JAMB	
000.1	STORAGE	PNL F2 STL	8'-0"	12'-0"	STL	0'-1"	FRM-6S STL	1'-0"	12'-0"	STL			D4/A-611P	C4/A-611P	
000.2	STORAGE	PNL F HM	7'-0"	3'-0"	HM	0'-1 3/4"	FRM.001 HM1	0'-2"	3'-0"	HM	02		D3/A-611P	A3 C3/A-611P	
100.1	PRESS BOX	PNL F HM	7'-0"	3'-0"	HM	0'-1 3/4"	FRM.001 HM1	0'-2"	3'-0"	HM	01		D3/A-611P	C3/A-611P	
100.2	PRESS BOX	PNL F HM	7'-0"	3'-0"	HM	0'-1 3/4"	FRM.001 HM1	0'-2"	3'-0"	HM	01		C5/A-611P	A5/A-611P	
102.1	PRESS BOX	PNL F HM	7'-0"	3'-0"	HM	0'-1 3/4"	FRM.001 HM1	0'-2"	3'-0"	HM	03		D3/A-611P	C3/A-611P	
102.2	PRESS BOX	PNL F HM	7'-0"	3'-0"	HM	0'-1 3/4"	FRM.001 HM1	0'-2"	3'-0"	HM	03		C5/A-611P	A5/A-611P	

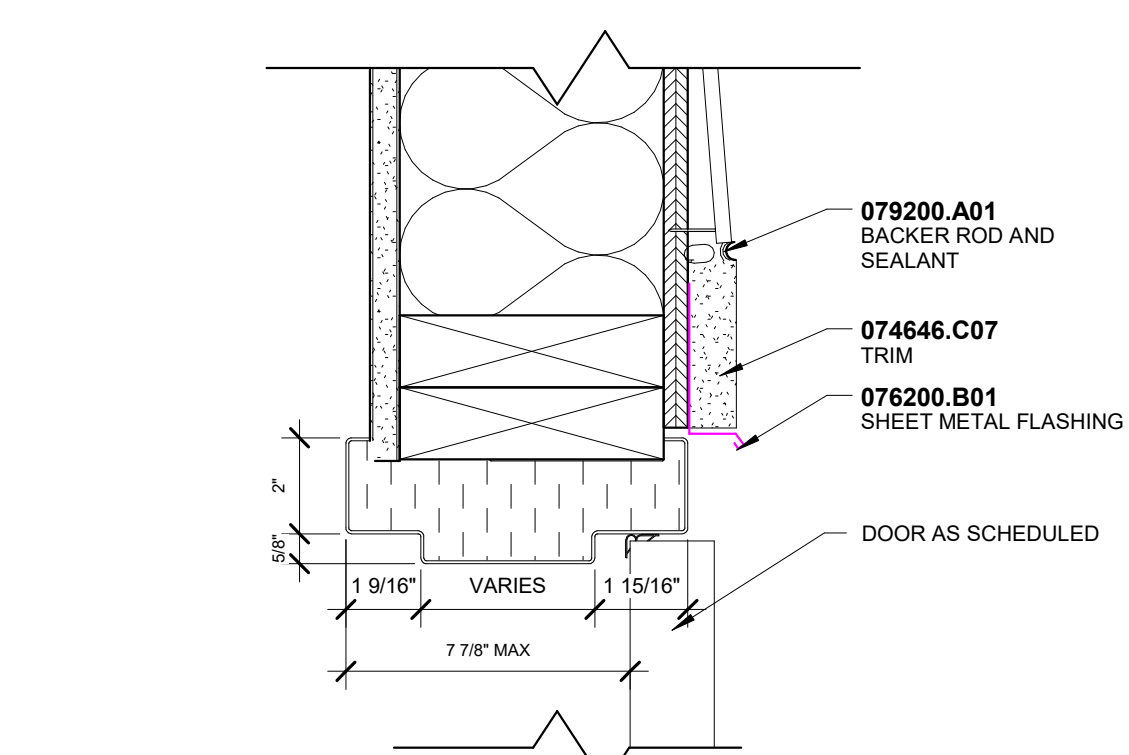


DOOR AND FRAME TYPES



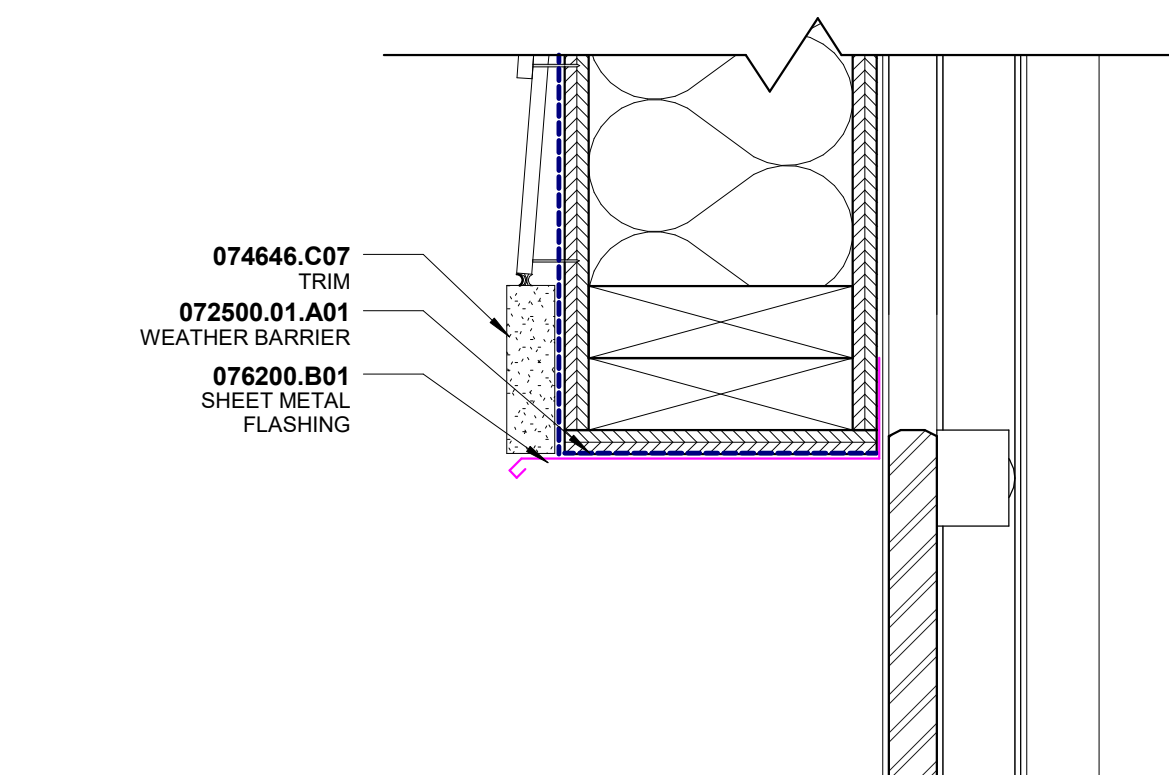
D1 FIBERGLASS WINDOW HEAD DETAIL @ X0W6F

A-312P/A-611P 3' = 1'-0"



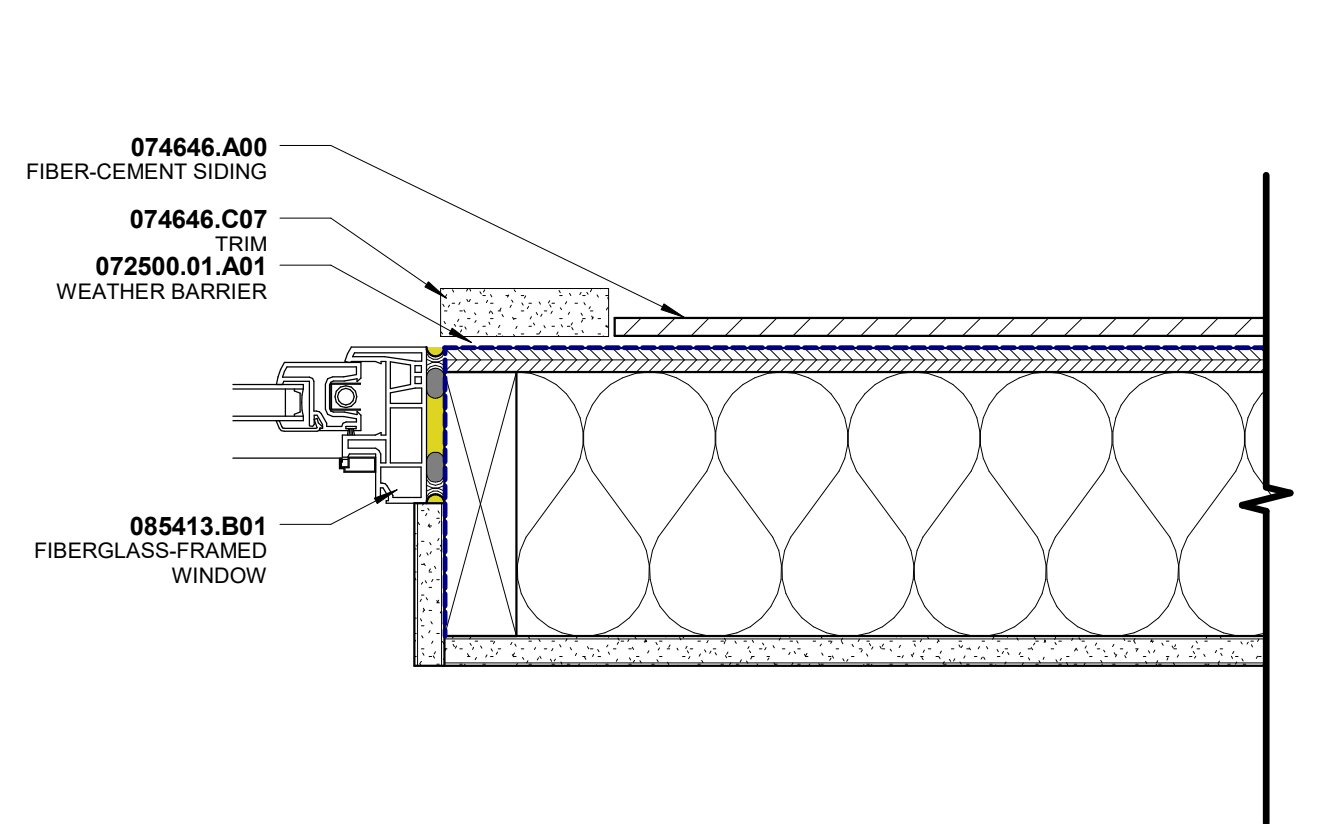
D3 HM DOOR HEAD DETAIL @ X0W6F

A-611P 3' = 1'-0"



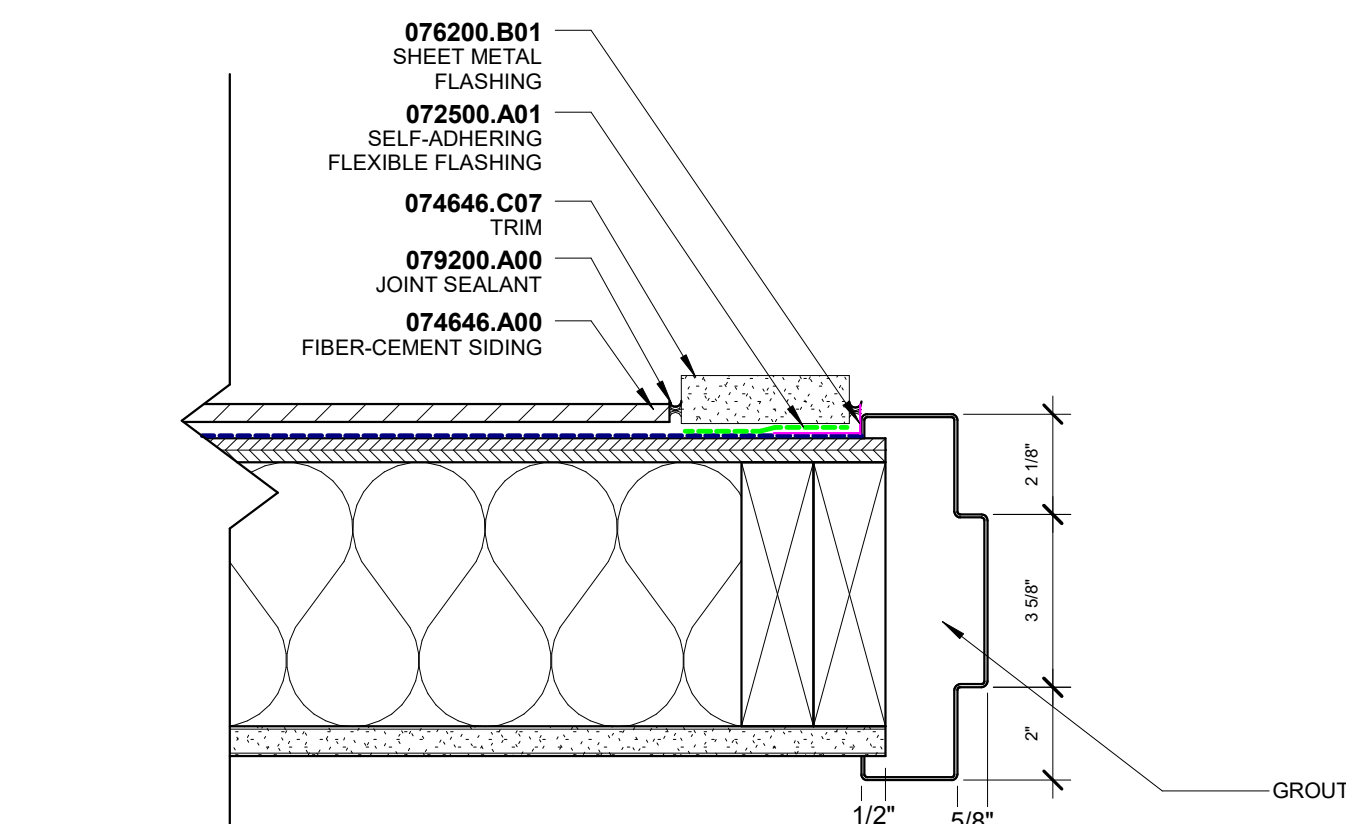
D4 SECTIONAL DOOR HEAD DETAIL @ X0W6F

A-312P/A-611P 3' = 1'-0"



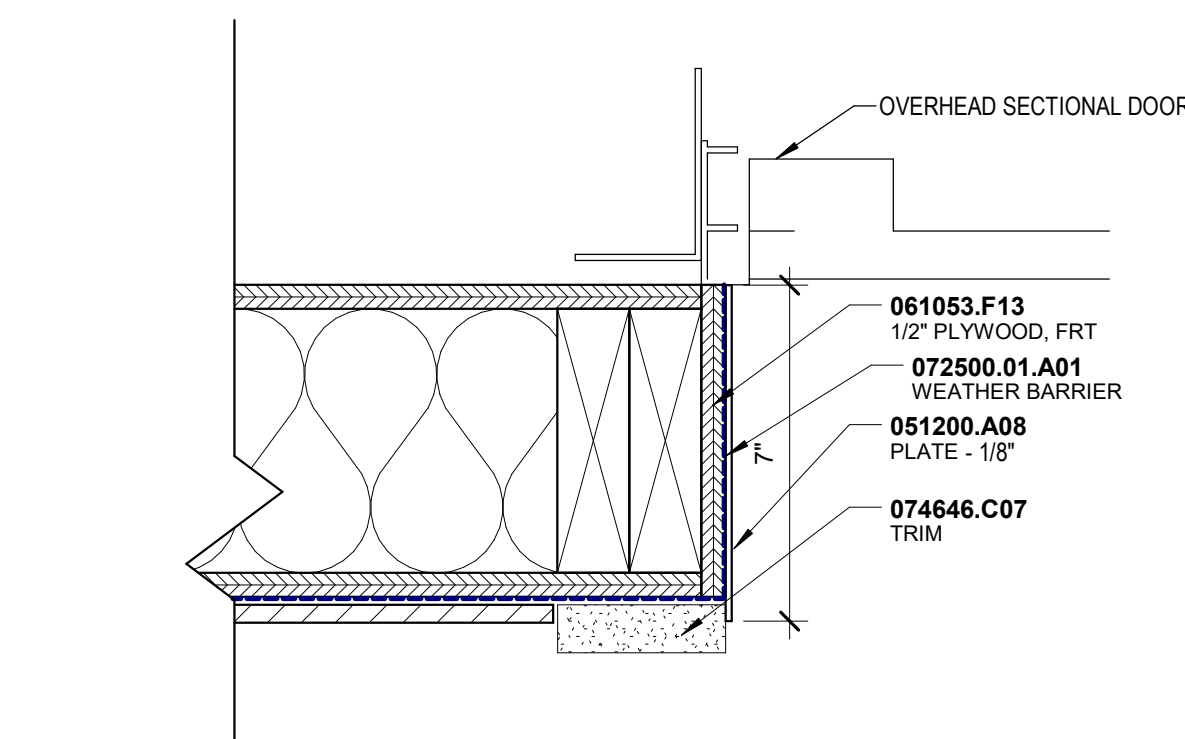
C1 FIBERGLASS WINDOW JAMB DETAIL @ X0W6F

A-611P 3' = 1'-0"



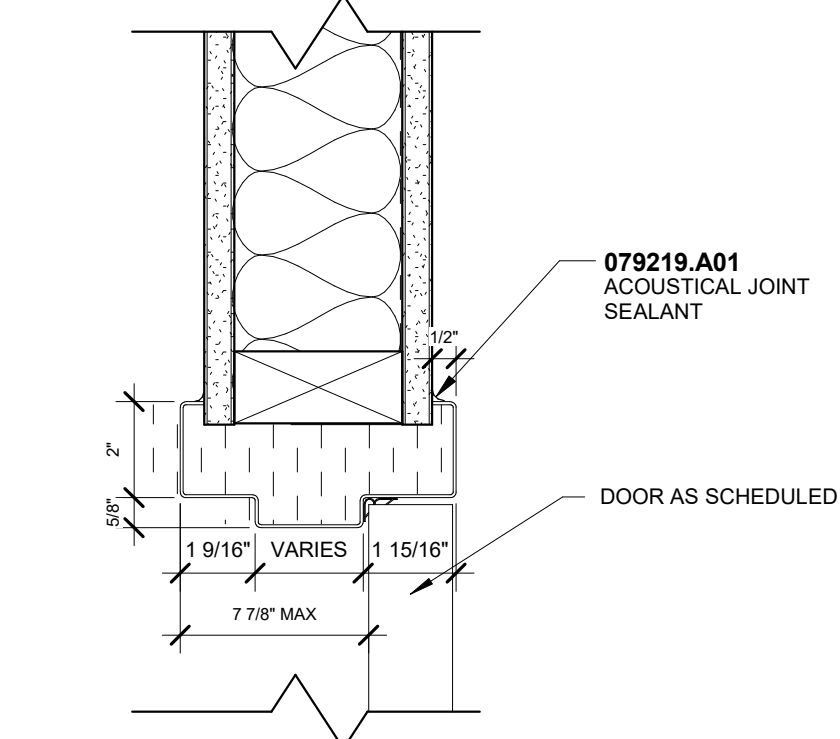
C3 HM DOOR JAMB DETAIL @ X0W6F

A-611P 3' = 1'-0"



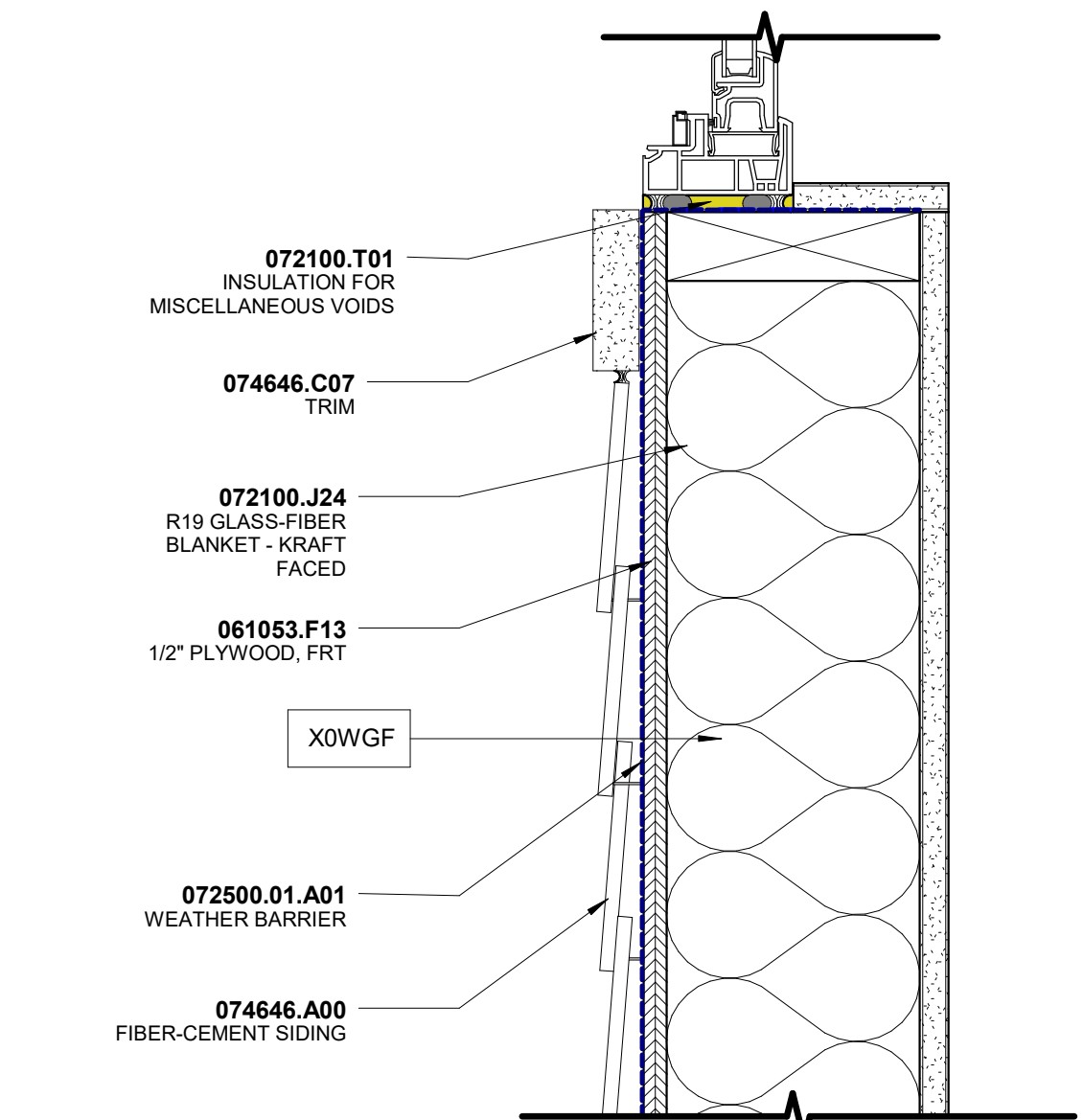
C4 SECTIONAL DOOR JAMB DETAIL @ X0W6F

A-611P 3' = 1'-0"



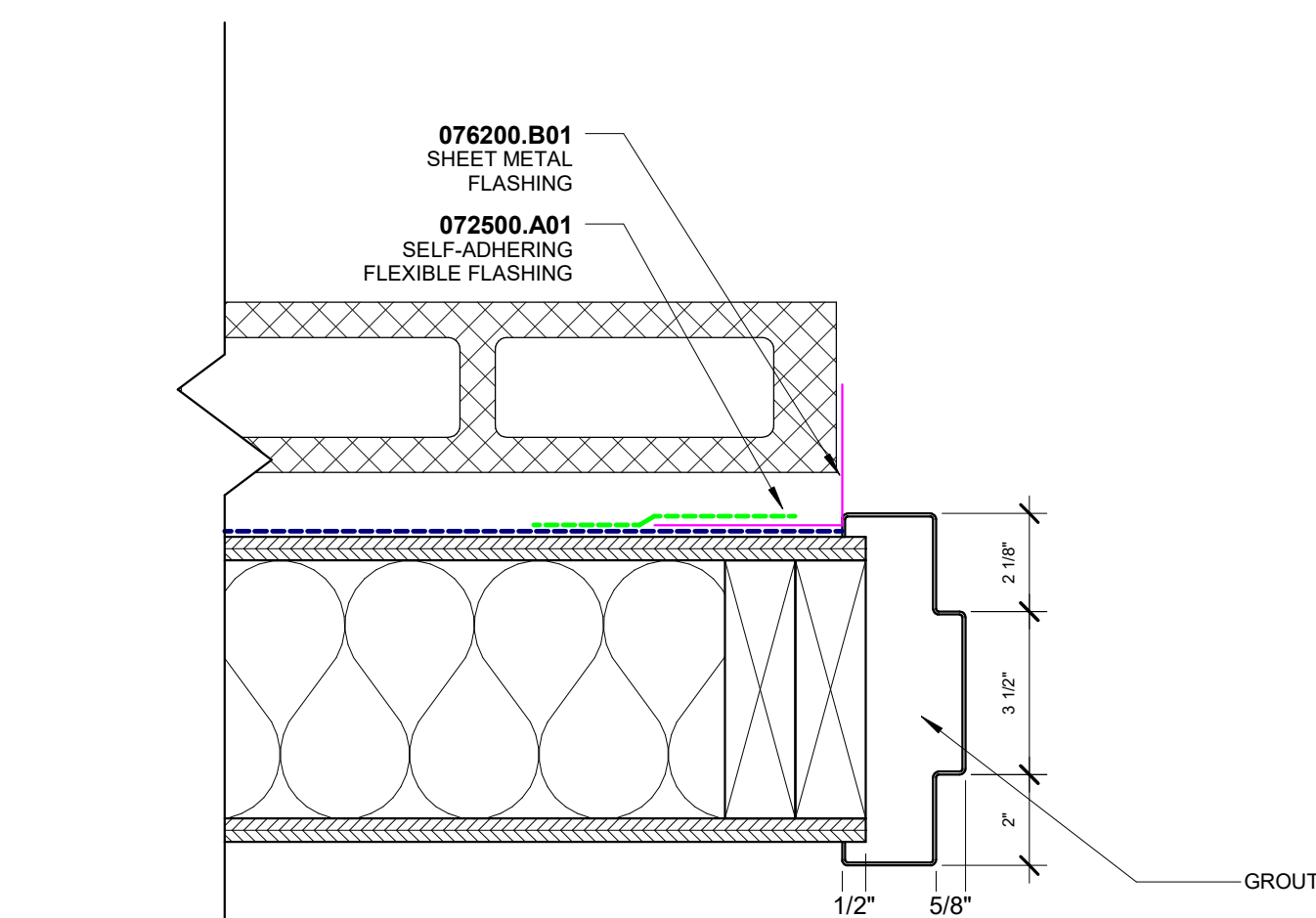
C5 HM DOOR HEAD DETAIL @ INTERIOR

A-611P 3' = 1'-0"



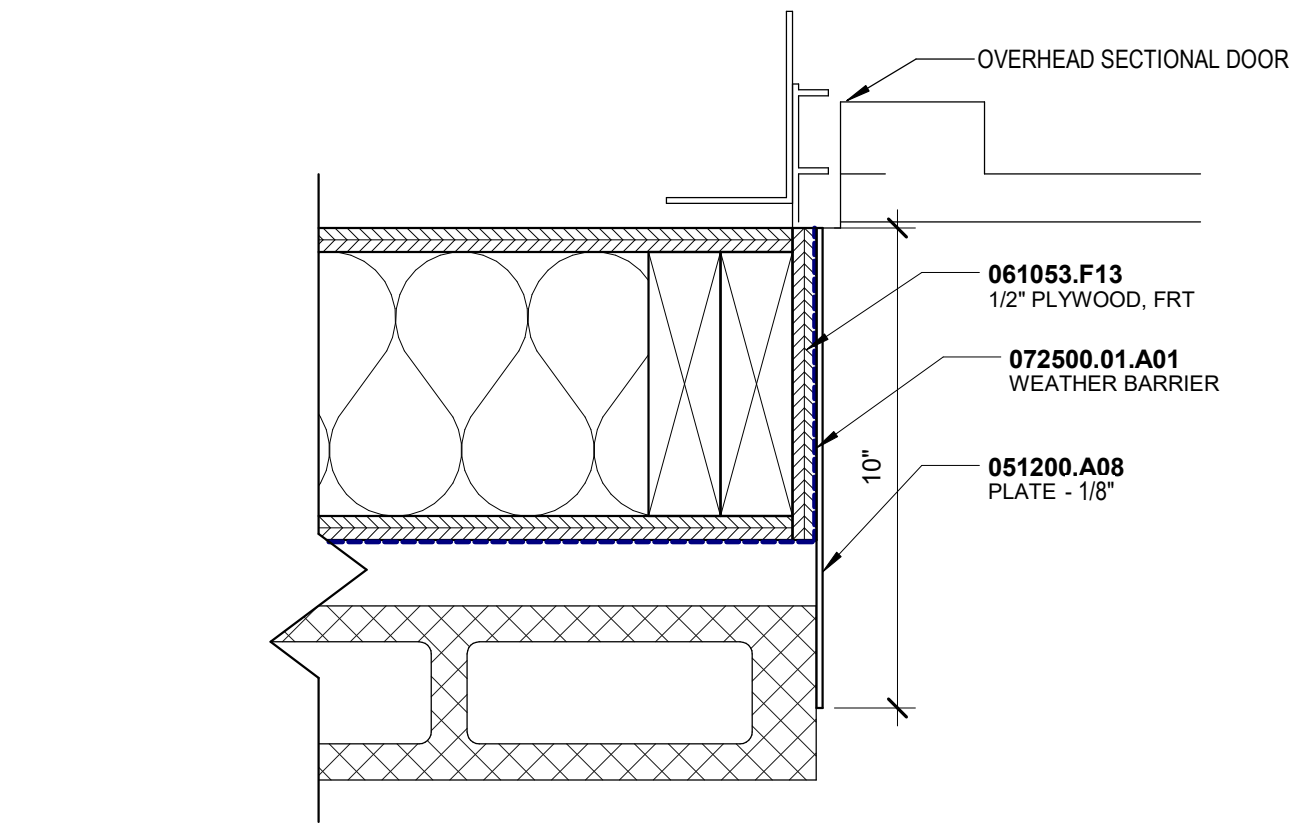
A1 FIBERGLASS WINDOW SILL DETAIL @ X0W6F

A-312P/A-611P 3' = 1'-0"



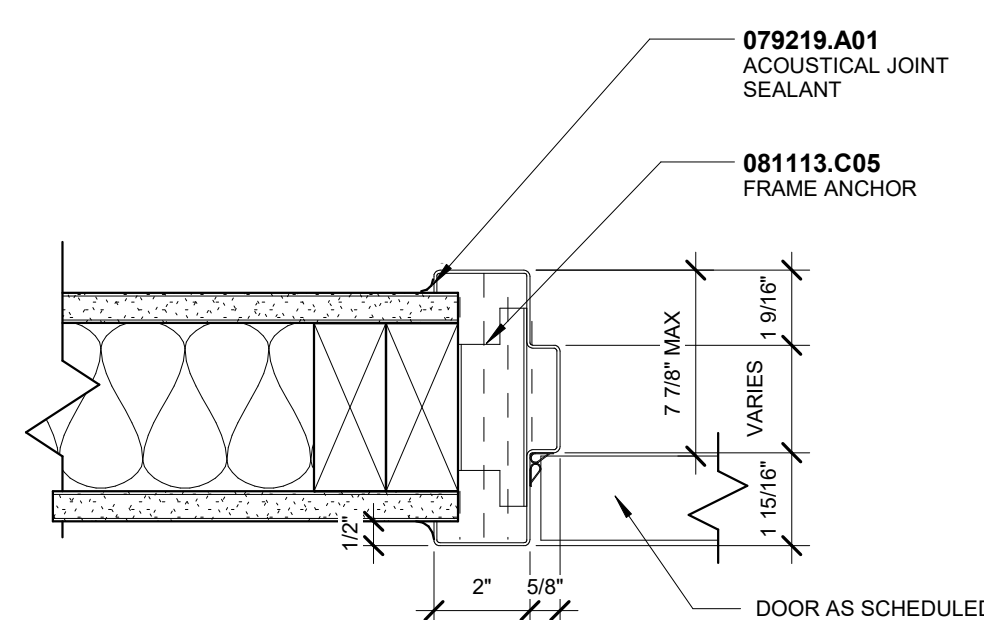
A3 HM DOOR JAMB DETAIL @ X0W6C

A-611P 3' = 1'-0"



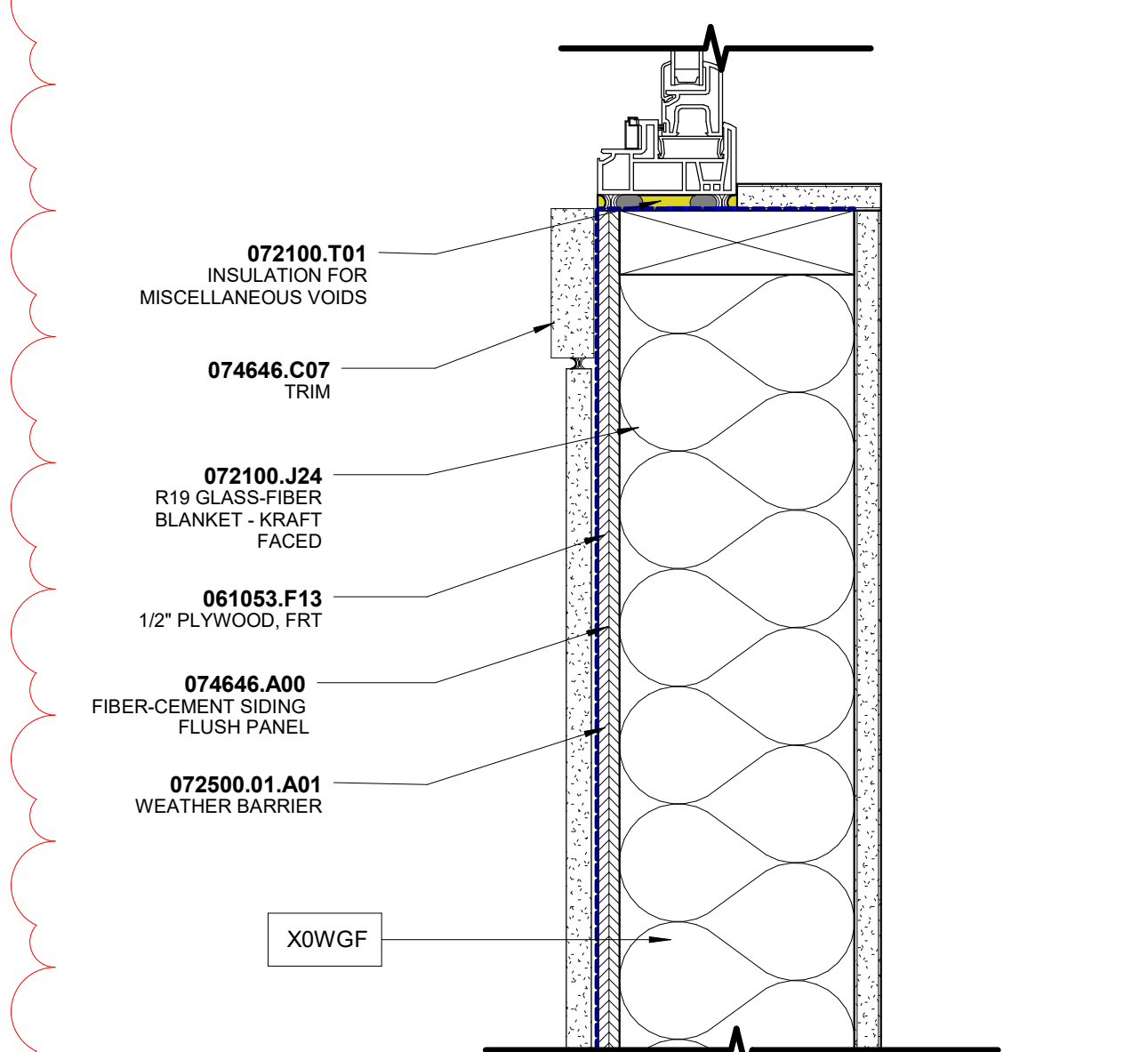
A4 SECTIONAL DOOR JAMB DETAIL @ X0W6C

A-611P 3' = 1'-0"



A5 HM DOOR JAMB DETAIL @ INTERIOR

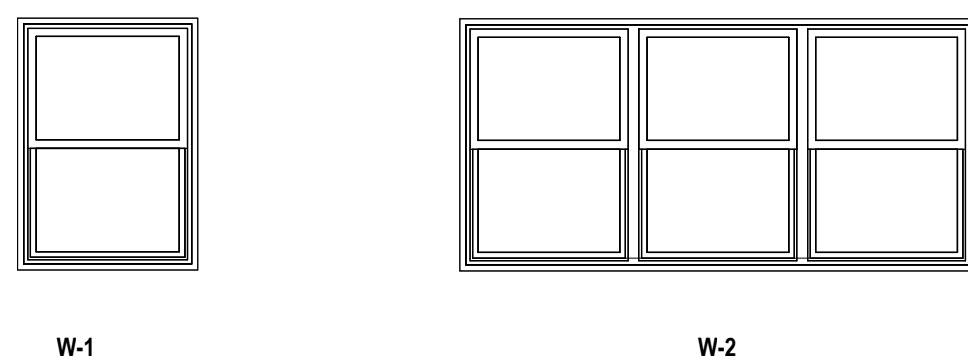
A-611P 3' = 1'-0"



A6 FIBERGLASS WINDOW SILL DETAIL @ X0W6F - FLUSH

A-611P 3' = 1'-0"

WINDOW SCHEDULE - PRESS BOX									
Type Mark	R.O.		Type	DETAILS			Fire rating	Comments	
	Width	Height		Head	Jamb	Sill			
W.3	3' - 6"	5' - 0"	Fibrex single-hung window	D1/A-611P	C1/A-611P	A1/A-611P			
W.4	10' - 6"	5' - 0"	Fibrex single-hung window	D1/A-611P	C1/A-611P	A2/A-611P			



EXTERIOR WINDOW TYPES

DOOR HARDWARE SETS

SET 01 - PRESS BOX ENTRY	QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	58B1HW 4.5 X 4.5 NRP	630	IVE	IVE
1 EA	OFFICE/ENTRY LOCK	CL3351 CTSD NZD	626	C-R	C-R
1 EA	X4 SFC CYL CORE	33600006 N (P)	US26D	MED	MED
1 EA	SURFACE CLOSER	404XP SCUSH TBWMS	689	LCN	LCN
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	AA	ZER	ZER
1 EA	RAIN DRIP	142AA	AA	ZER	ZER
1 EA	GASKETING	429AA @ HEADS & JAMBS	AA	ZER	ZER
1 EA	DOOR SWEEP	39A	A	ZER	ZER
1 EA	THRESHOLD	655A	A	ZER	ZER

SET 02 - STORAGE	QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	58B1HW 4.5 X 4.5 NRP	630	IVE	IVE
1 EA	STORE/ROOM LOCK	CL3357 CTSD NZD	626	C-R	C-R
1 EA	X4 SFC CYL CORE	33600006 N (P)	US26D	MED	MED
1 EA	KICK PLATE	8400 10" X 2" LDW B-CS	AA	ZER	ZER
1 EA	RAIN DRIP	142AA	AA	ZER	ZER
1 EA	GASKETING	429AA @ HEADS & JAMBS	AA	ZER	ZER
1 EA	DOOR SWEEP	39A	A	ZER	ZER
1 EA	THRESHOLD	655A	A	ZER	ZER

SET 03 - INTERIOR PRESS BOX	QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	58B1 4.5 X 4.5	630	IVE	IVE
1 EA	PASSAGE SET	CL3310 NZD	626	C-R	C-R
11 EA	WALL STOP	WS406/407 CCV	630	IVE	IVE
1 EA	GASKETING	488S @ HEADS & JAMBS	BK		

ARCHITECT / LANDSCAPE ARCHITECT
Hord Coplan Macht, Inc.
1802 Wazee Street, Suite 450
Denver, CO 80202
p. 303.607.0977
f. 303.607.0707

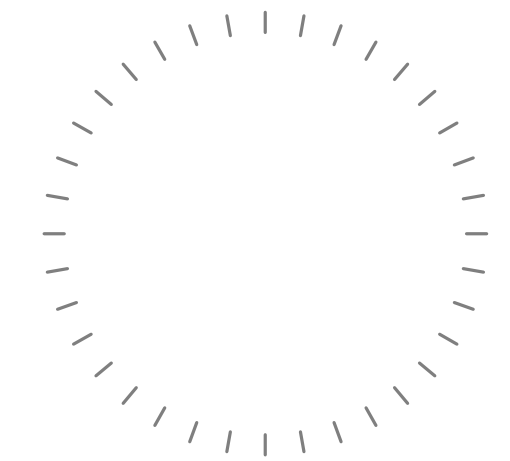
STRUCTURAL ENGINEER
Martino & Luth, Inc.
420 Corporate Circle, Suites A-C
Golden, CO 80401
p. 303.260.7118

M/E/P/T ENGINEER
IMEG Corp.
7600 E. Orchard Road, Suite 250-S
Greenwood Village, CO 80111
p. 303.796.6000

EAST GRAND SCHOOL DISTRICT
Middle Park High School Renovation
Summer 2026

795 N. 2nd Street
Granby, CO 80446

hord | coplan | macht
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN



No.	Date	Revision
2	03/06/2026	ADDENDUM 01

Project Name
Middle Park High School Roof Replacement
Project Number
222000.30
Date (YYYY/MM/DD)
2026/02/11
Drawn By
Author
Checked By
Checker
Drawing
DOOR SCHEDULE, WINDOW SCHEDULE & DETAILS

A-611P

CONSTRUCTION DOCUMENTS
© Hord Coplan Macht, Inc.

ARCHITECT / LANDSCAPE ARCHITECT
Dr Coplan Macht, Inc.
 100 Wazee Street, Suite 450
 Denver, CO 80202
 303.607.0977
 303.607.0767

STRUCTURAL ENGINEER
Artino & Luth, Inc.
 10 Corporate Circle, Suites A-C
 Golden, CO 80401
 303.260.7118

ELECTRICAL ENGINEER
EG Corp.
 100 E. Orchard Road, Suite 250-S
 Greenwood Village, CO 80111
 303.796.6000

Middle Park High School Renovation
Summer 2026

Granby, CO 80446

ord | coplan | macht

ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

No.	Date	Revision
	03/05/2026	ADDENDUM 01

Project Name
Middle Park High School
Renovation - Summer 2026

Project Number
22000.30

Date (YYYY/MM/DD)
026/02/11

Drawn By
BR

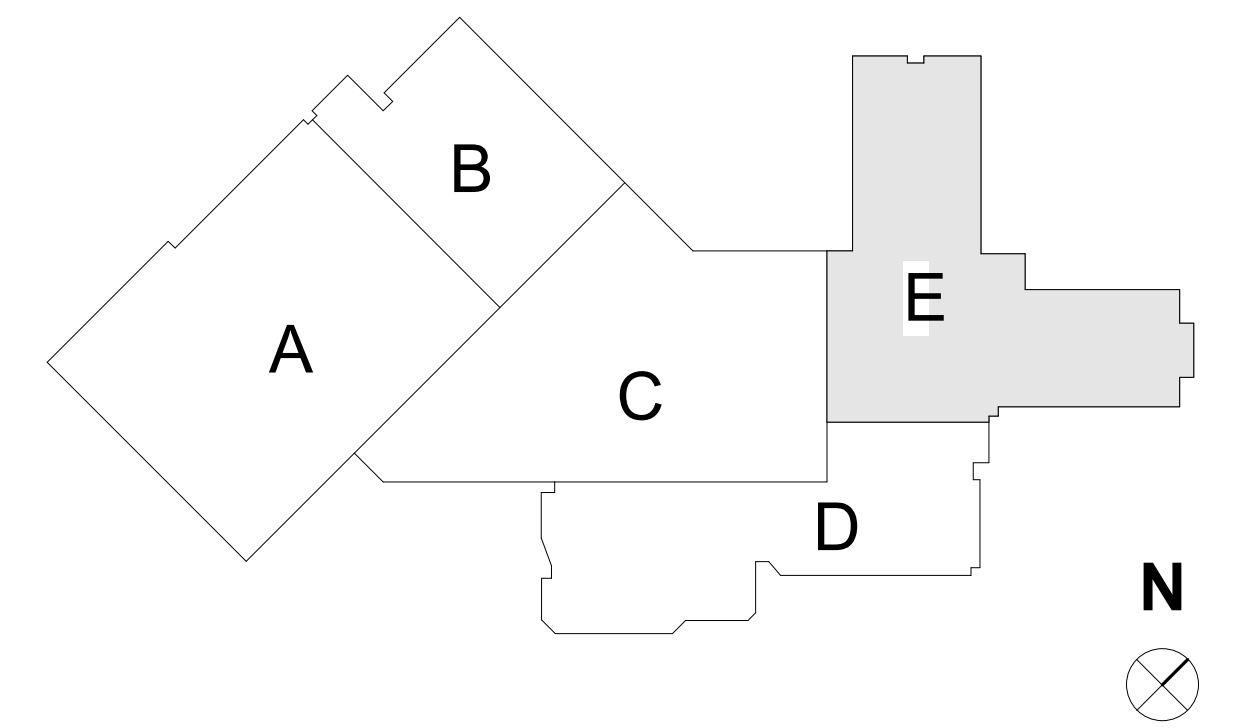
Checked By
BRE

Drawing
FIRST FLOOR PLAN -
MECHANICAL - AREA E

M-111E

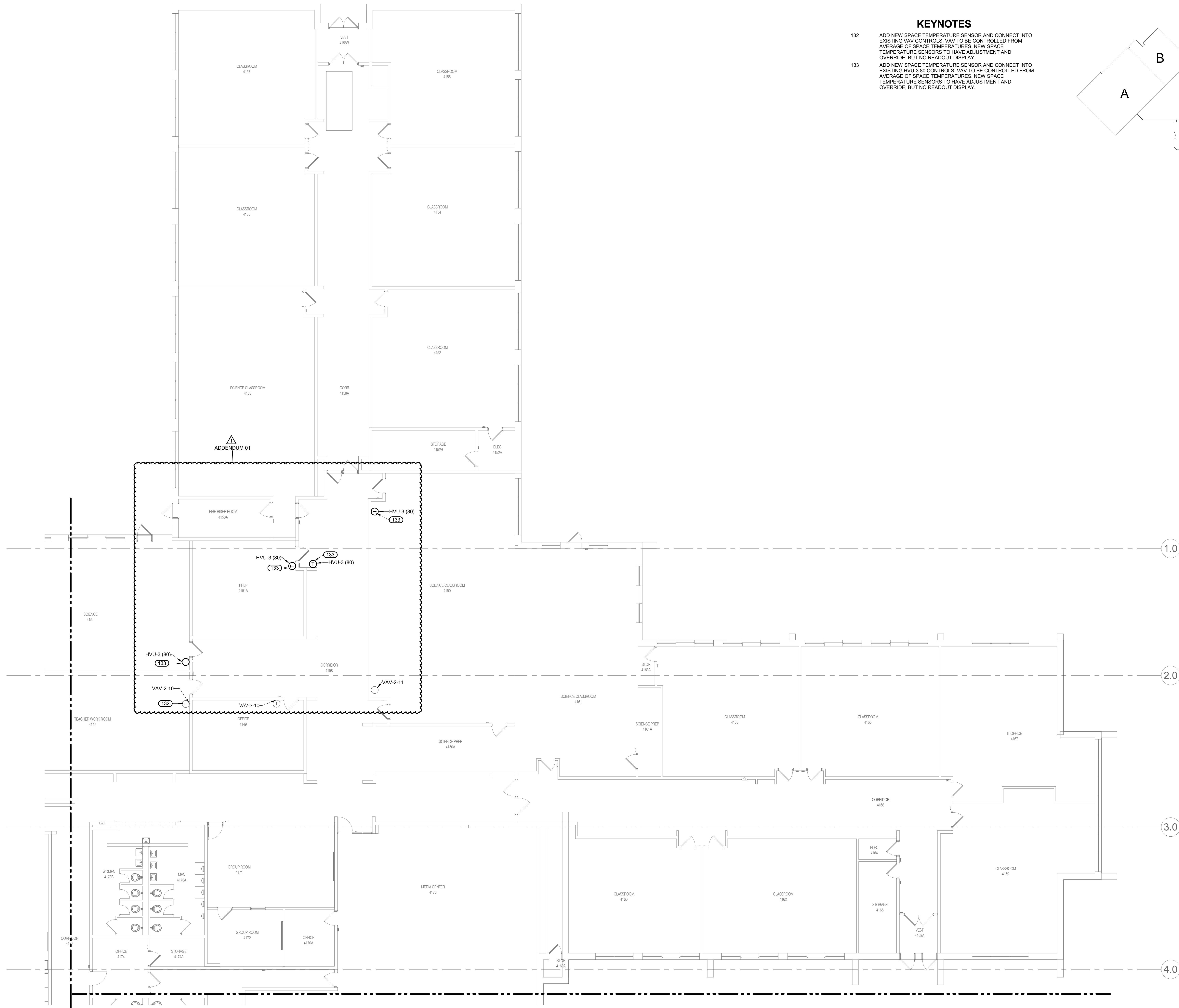
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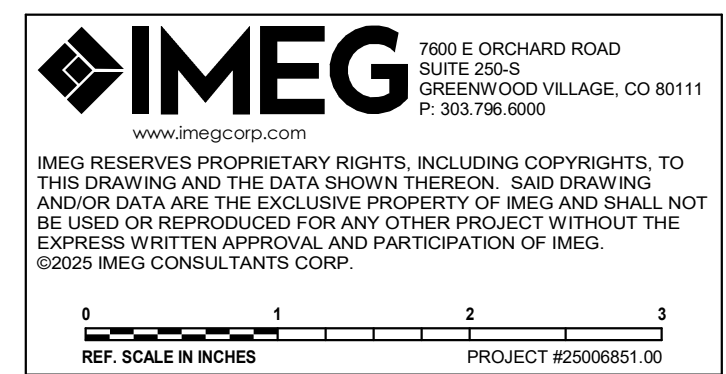


KEYNOTES

- 132 ADD NEW SPACE TEMPERATURE SENSOR AND CONNECT INTO
EXISTING VAV CONTROLS. VAV TO BE CONTROLLED FROM
AVERAGE OF SPACE TEMPERATURES. NEW SPACE
TEMPERATURE SENSORS TO HAVE ADJUSTMENT AND
OVERRIDE, BUT NO READOUT DISPLAY.
- 133 ADD NEW SPACE TEMPERATURE SENSOR AND CONNECT INTO
EXISTING HVJ-380 CONTROLS. VAV TO BE CONTROLLED FROM
AVERAGE OF SPACE TEMPERATURES. NEW SPACE
TEMPERATURE SENSORS TO HAVE ADJUSTMENT AND
OVERRIDE, BUT NO READOUT DISPLAY.



1 FIRST FLOOR PLAN - MECHANICAL - AREA E
1/8" = 1'-0"



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Middle Park High School Renovation
Summer 2026

Granby, CO 80446

Granby, CO 80446

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

[illegible]

Project Name _____
Middle Park High School
Renovation - Summer 2026
Project Number _____
2200030
Date (YYYY/MM/DD) _____
026/02/11
Drawn By _____
RM Checked By _____
MHM
Drawing _____
FIRST FLOOR PLAN -
MECHANICAL - AREA D

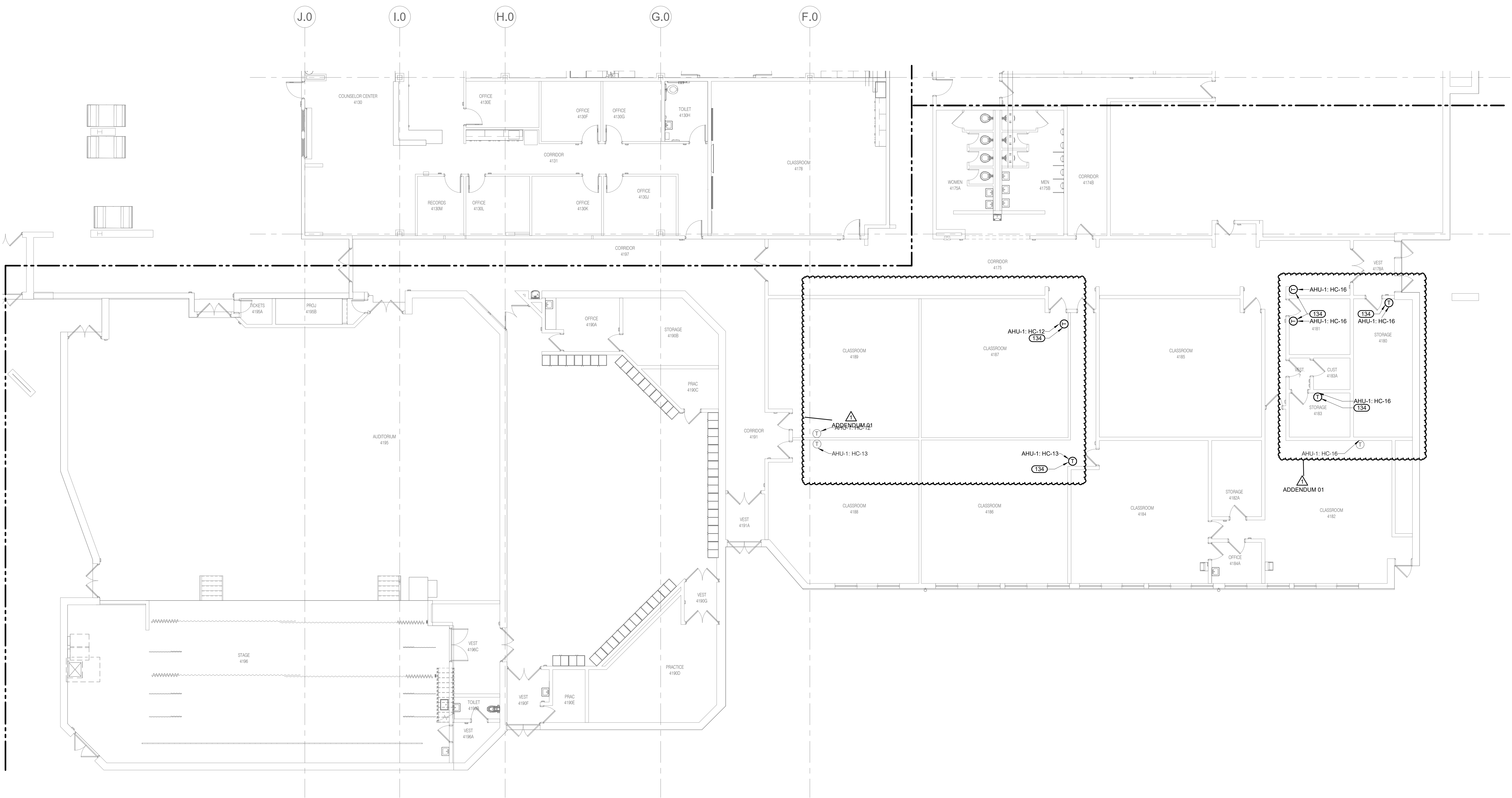
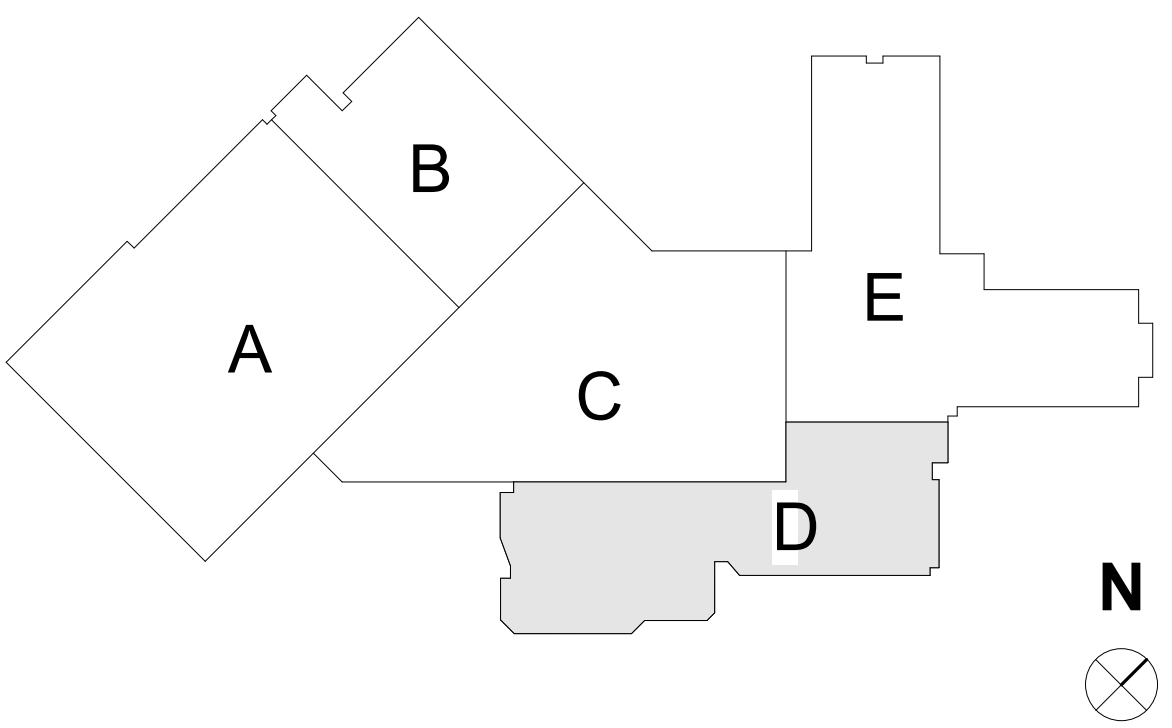
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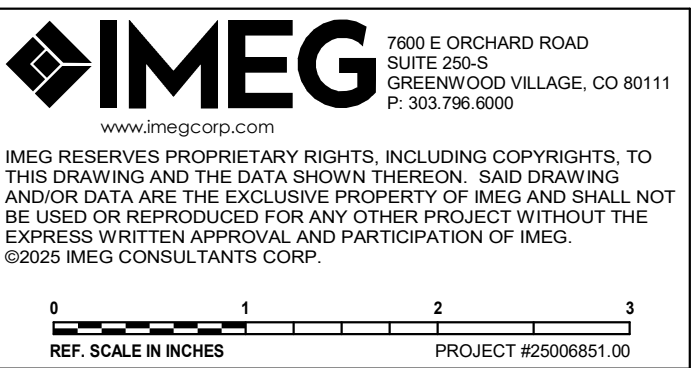
KEYNOTES

134 ADD NEW SPACE TEMPERATURE SENSOR AND CONNECT INTO
EXISTING AHU-1 CONTROLS. RE-HEAT COIL TO BE CONTROLLED
FROM AVERAGE OF SPACE TEMPERATURES. NEW SPACE
TEMPERATURE SENSORS TO HAVE ADJUSTMENT AND
OVERRIDE, BUT NO READOUT DISPLAY.

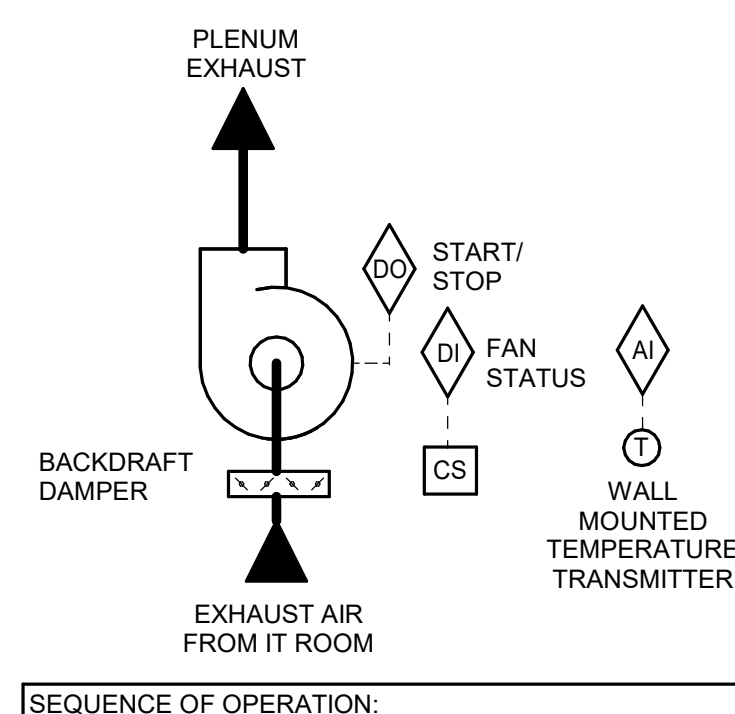


1 FIRST FLOOR PLAN - MECHANICAL - AREA D
1/8" = 1'-0"

1/8" = 1'-0"



Autodesk Docs:072200.30 Middle Park HS;MEPT25_2500851.00_East Grand SD-Middle Park HS_C.mt



SEQUENCE OF OPERATION:

EXHAUST FAN SHALL OPERATE WHEN THE ROOM TEMPERATURE RISES ABOVE 78°F(ADJ.) WHEN ROOM TEMPERATURE DROPS BELOW 74°F(ADJ.), FMCS SHALL DE-ENERGIZE FAN.

ALARMS, INTERLOCKS AND SAFETIES:

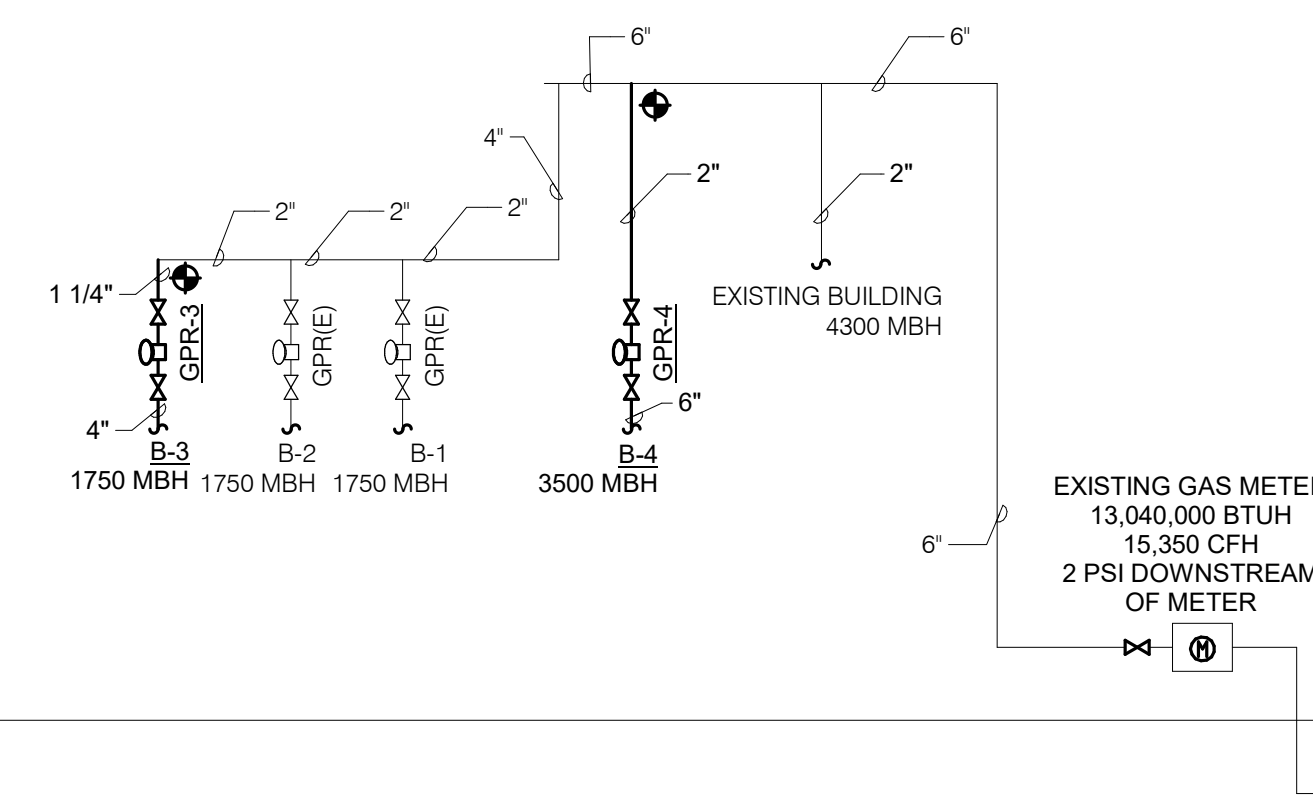
AN ALARM SHALL BE GENERATED AT THE FMCS OPERATOR WORKSTATION IN THE EVENT OF THE FOLLOWING:

- IF THE FMCS COMMANDS THE EXHAUST FAN TO OPERATE AND THE CURRENT SENSING RELAY DETECTS INSUFFICIENT CURRENT DRAW
- AN ALARM SHALL BE GENERATED AT THE FMCS OPERATOR WORKSTATION WHEN THE ROOM TEMPERATURE REACHES 88°F (ADJ.).

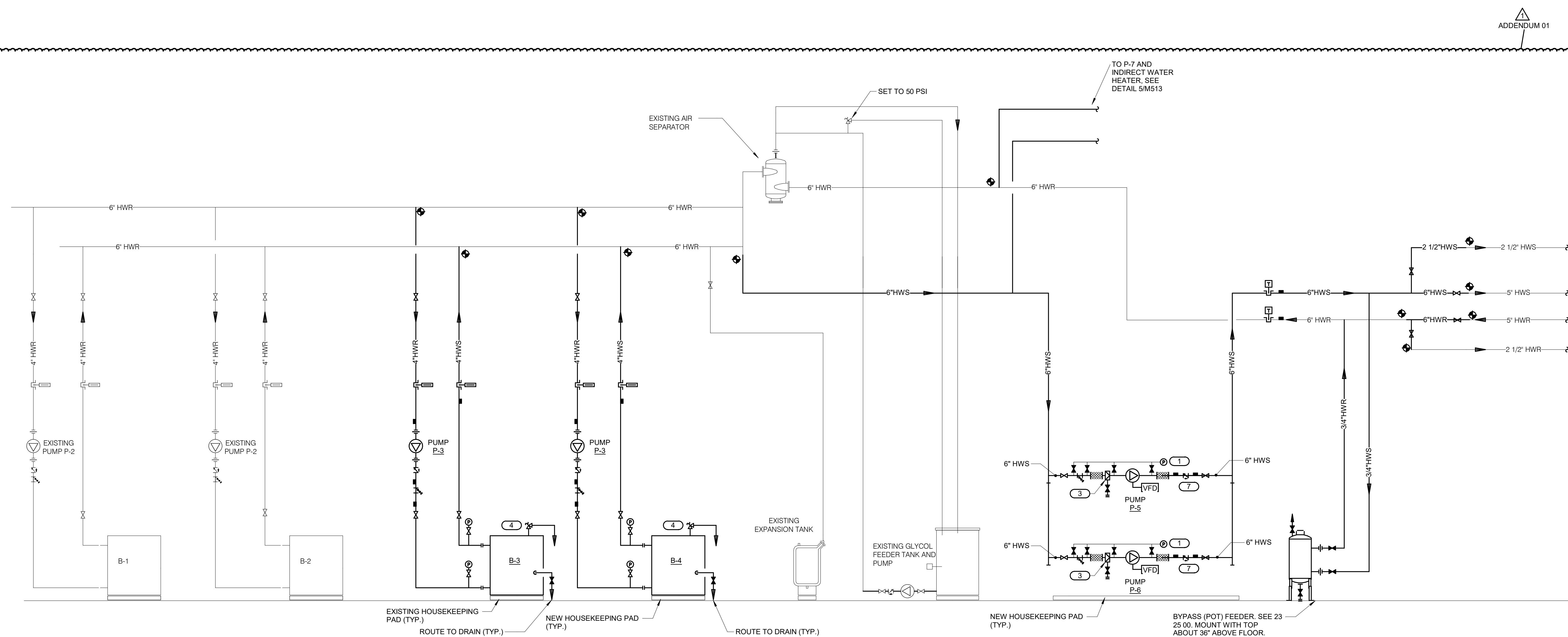
APPLIES TO:

- EF-1

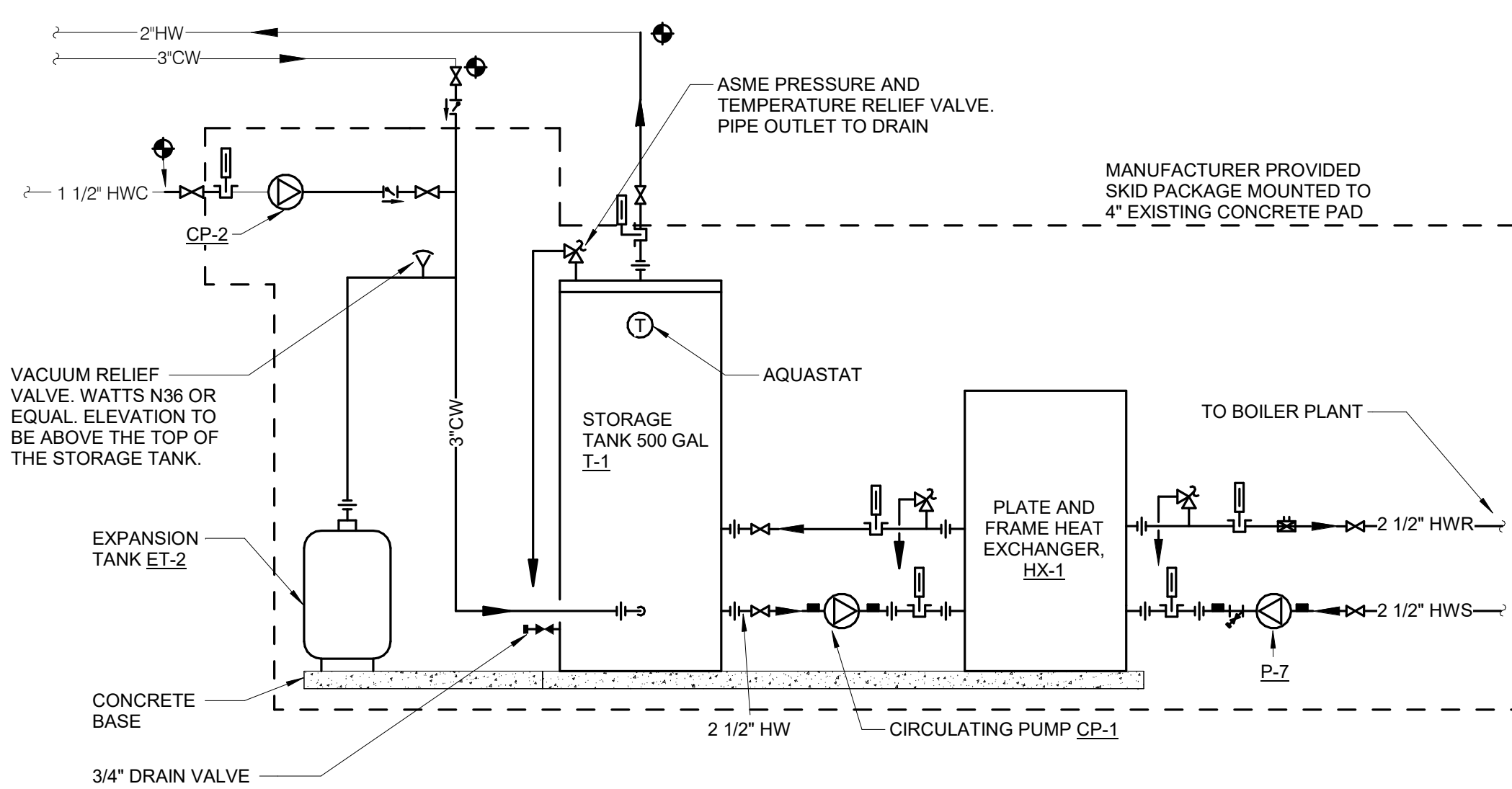
2 FAN - IT ROOM TEMPERATURE CONTROL
NO SCALE



4 NATURAL GAS SERVICE DIAGRAM



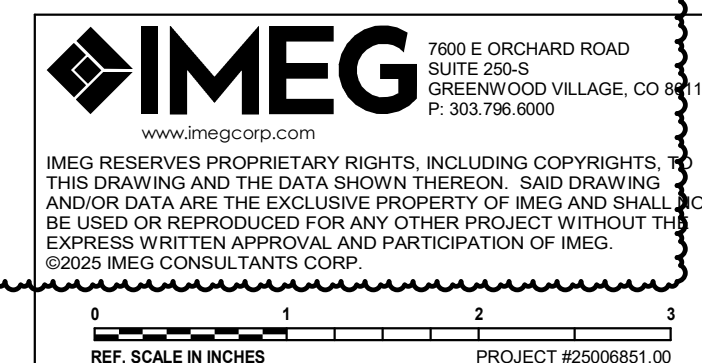
3 HEATING WATER FLOW DIAGRAM - CONDENSING BOILER PRIMARY/SECONDARY

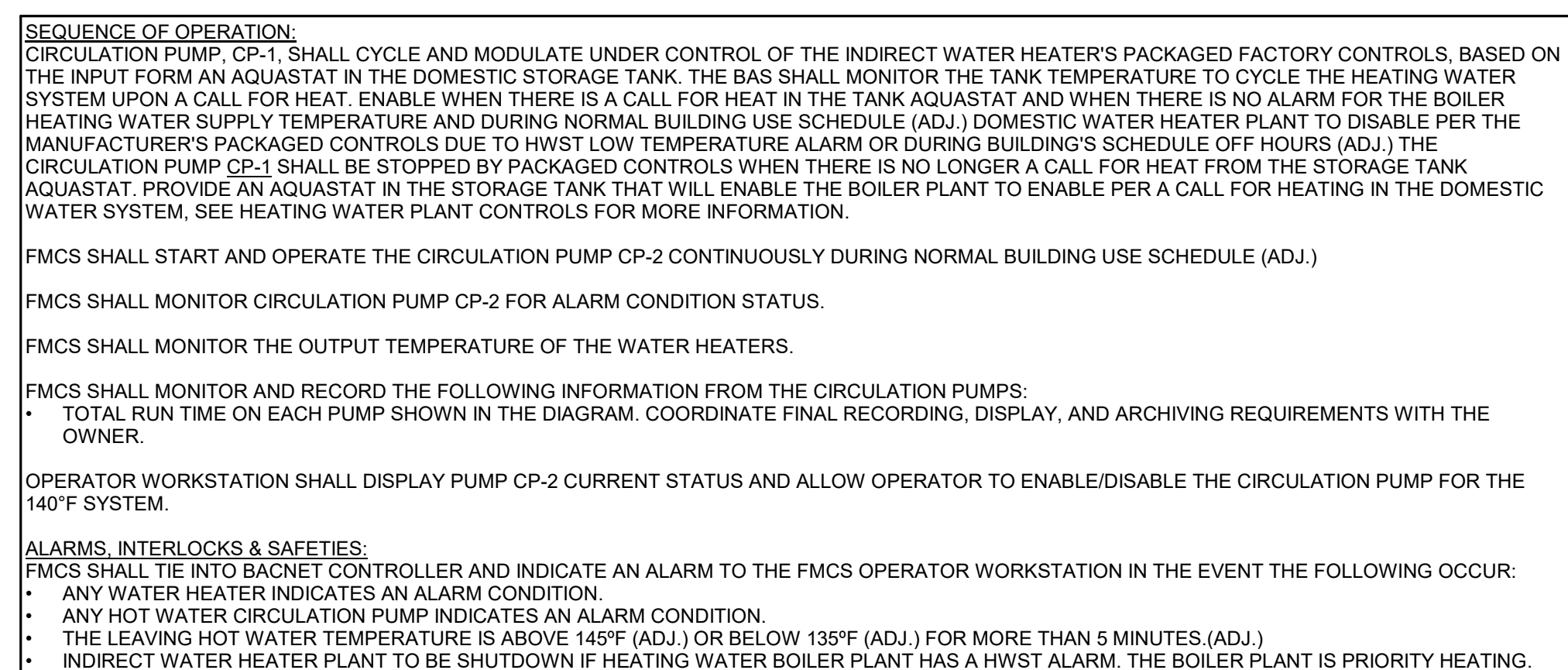


5 **INDIRECT WATER HEATER - EXTERNAL STORAGE TANK W/HWC**
NO SCALE

	HEATING WATER RETURN		TEMPERATURE SENSOR WITH WELL
	HEATING WATER SUPPLY		THERMOMETER WITH WELL (FILLED TYPE)
	COLD WATER - POTABLE		UNION/FLANGE
	PITCH PIPE IN DIRECTION		SHUTOFF VALVE NORMALLY OPEN
	DIRECTION OF FLOW IN PIPE		SHUTOFF VALVE NORMALLY CLOSED
	FLEXIBLE CONNECTION		THROTTLING VALVE
	PRESSURE/TEMPERATURE TEST PLUG		BALANCING VALVE
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB		CONTROL VALVE (TWO-WAY)
	METER		CONTROL VALVE (THREE-WAY)
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)		CHECK VALVE
	SUCTION DIFFUSER WITH SUPPORT FOOT		SAFETY/RELIEF VALVE
	AUTOMATIC AIR VENT		PRESSURE REDUCING VALVE (LIQUID/GAS)
	MANUAL AIR VENT W/ BALL VALVE		"WYE" - STRAINER
	DRAIN WITH HOSE CONNECTION, CAP & BALL VALVE		"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	FLOW SWITCH		
	FLOW METER		

1. PRESSURE GAUGE WITH SNUBBER PER SECTION 23 09 13. INSTALL WITH MOUNTING ON PUMP STAND OR VIBRATION-FREE PIPE ABOVE PUMP FLEXIBLE CONNECTOR. INSTALL FLEXIBLE COPPER TUBING TO PIPING CONNECTIONS TO AVOID VIBRATION DAMAGE TO GAUGE. (A) PREPARE PIPING CONNECTIONS AT (A) JUST UPSTREAM OF STRAINER, (B) GAUGE PORT ON SUCTIION DIFFUSER OR BETWEEN STRAINER AND PUMP, (C) GAUGE TAPPING ON PUMP OUTLET FLANGE, (D) GAUGE TAPPING ON PUMP OUTLET FLANGE.
2. TEMPERATURE SENSOR PROVIDED BY BOILER MANUFACTURER, WIRED TO BOILER/BOILER CONTROL PANEL.
3. REMOVE & RETAIN TEMPORARY STRAINER FROM SUCTIION DIFFUSER AT END OF CONSTRUCTION. PROVIDE STRAINER LEG AS REQUIRED.
4. INSTALL SAFETY RELIEF VALVE PROVIDED BY BOILER MANUFACTURER, PIPE TO DRAIN, SUPPORT SOLIDLY.
5. FITS PER BLADDER MANUFACTURER'S RECOMMENDATIONS BUT NOT SMALLER THAN CONNECTION TO TANK.
6. ARRANGE PIPING SO COILS CAN BE REMOVED WITHOUT REMOVING PIPING ABOVE THE UNIONS OR FLANGES. PIPE LOCATION MUST NOT RESTRICT OPENING OF ACCESS DOORS.
7. PERMITTY ON OR BALANCING VALVES ARE NOT LIMITED ON VARIABLE VOLUME SYSTEMS.





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BOILER SCHEDULE - HOT WATER (B)

- NOTES:
1. HEATING WATER FLUID IS 30% PROPYLENE GLYCOL.
2. PROVIDE WITH CONDENSATE NEUTRALIZATION KIT. SIZE AT 4 GPM/1000 MBH OF BOILER CAPACITY.
3. INSTALL WITH BOILER MANUFACTURER'S RECOMMENDED COMBUSTION INTAKE AND FLUE EXHAUST COMPONENTS. SEE MANUFACTURER'S LITERATURE FOR PREFERRED ROOF TERMINATION.
4. PROVIDE MANUFACTURER'S TRANSFORMER ACCESSORY FOR VOLTAGE INDICATED.
5. PROVIDE BOILER MANAGEMENT SYSTEM WITH BAS INTERFACE FOR CONTROL OF BOTH EXISTING AND NEW BOILERS.

TAG NAME	ALTITUDE	SERVICE	FUEL					HEATING WATER					ELECTRICAL					MAXIMUM DIMENSIONS				WEIGHT LBS						
			TYPE	MBH INPUT	OUTPUT	TURN DOWN	MIN AFUE	INLET PSIG	FLUID TYPE	GPM DESIGN	W.P.D. FT. HD.	OPER PSIG	EWT °F	LWT °F	VOLTS	PH	DISCONNECT		CNTLR/STARTER		SCCR	WIDTH	HEIGHT	DEPTH	OPERATING	MANUFACTURER	MODEL	NOTES
																	BY [A]	TYPE [B]	BY [A]	TYPE [C]								
B-3	8000	HEATING WATER	GAS	1750	1490	25:1	0.8	0.5	WATER	100	4.5	50	150	180	480 V	3	EC	NF	MFR	FV	5,000 A	2'-6"	6'-5"	5'-7"	2,500	LOCHINVAR	FB1751	1,2,3,4,5
B-4	8000	HEATING WATER	GAS	3500	2587	20:1	0.8	0.5	WATER	200	6.8	50	150	180	480 V	3	EC	NF	MFR	FV	5,000 A	3'-6"	6'-5"	7'-8"	4,600	LOCHINVAR	FB3501	1,2,3,4,5

PUMP SCHEDULE (P)

- NOTES:
1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.
2. 30% PROPYLENE GYLCOL.

TAG NAME	SERVICE	FLUID TYPE	GPM	FT. HEAD	RPM	MIN EFFICIENCY	MOTOR				ELECTRICAL				VIBRATION ISO		MAXIMUM DIMENSIONS				WEIGHT LBS	MANUFACTURER	MODEL	NOTES
			DESIGN				DISCONNECT	CNTRLR/STARTER	TYPE	DEFL	WIDTH	HEIGHT	DEPTH	OPERATING										
P-3	PRIMARY BOILER LOOP	30% GLYCOL WATER	175	25	3600	66	2	0	208 V	1	EC	F	MFR	FV	H1	1/4"	10"	1'-2"	1'-2"	50	GRUNDFOS	MAGNA 3	1,2	
P-4	PRIMARY BOILER LOOP	30% GLYCOL WATER	175	25	3600	66	2	0	208 V	1	EC	F	MFR	FV	H1	1/4"	10"	1'-2"	1'-2"	50	GRUNDFOS	MAGNA 3	1,2	
P-5	SECONDARY BOILER LOOP	30% GLYCOL WATER	500	75	1760	85	15	0	480 V	3	EC	F	MFR	VFD	M3	1 1/2"	10"	1'-6"	2'-6"	500	TACO	CI	1,2	
P-6	SECONDARY BOILER LOOP	30% GLYCOL WATER	500	75	1760	85	15	0	480 V	3	EC	F	MFR	VFD	M3	1 1/2"	10"	1'-6"	2'-6"	500	TACO	CI	1,2	
P-7	HEAT EXCHANGER LOOP	30% GLYCOL WATER	47	15	3400	62	0.75	0	208 V	1	EC	F	MFR	FV	H1	1/4"	7"	10"	1'-3"	30	TACO	VR	1,2	

PIPE INSULATION SCHEDULE (HVAC)

- GENERAL NOTES:
1. REFER TO THE SPECIFICATIONS FOR TYPE DESCRIPTIONS AND JACKETING REQUIREMENTS. VALUES LISTED BELOW ARE BASED ON 2021 IECC REQUIREMENTS.
2. TYPE A INSULATION IS NOT ALLOWED IN NON-AIR CONDITIONED SPACES, SUCH AS MECHANICAL ROOMS, EXTERIOR, ATTICS, ETC.
3. TYPE B INSULATION GREATER THAN 1" THICK SHALL BE INSTALLED USING MULTIPLE LAYERS OF 3/4" OR 1" WITH STAGGERED SEAMS.
4. PROVIDE RIGID INSERT AT HANGERS, EITHER PRE-MANUFACTURED COUPLINGS (REFER TO PIPE HANGER AND SUPPORTS SPECIFICATIONS) OR TYPE C, D, OR E INSULATION. SEE SPEC. FOR MORE DETAILS.

PIPE SYSTEM	INSULATION TYPE	INSULATION THICKNESS PER NOMINAL PIPE OR TUBE SIZE				NOTES
		< 1"	1" TO < 1.5"	1.5" TO < 4"	4" TO < 8"	
23 PIPING - HEATING						
HWR - HEATING WATER RETURN	A (GlsFbr), C (CelGla)	1.5"	1.5"	2"	2"	2"
HWS - HEATING WATER SUPPLY	A (GlsFbr), C (CelGla)	1.5"	1.5"	2"	2"	2"
23 PIPING - OTHER						
MISC RELIEF VENTS, INTAKES, AND DISCHARGES	A (GlsFbr), B (Elasto)					APPLY INSULATION ONLY WITHIN 10' OF EXTERIOR PENETRATION ON COMPRESSOR INTAKES, VACUUM DISCHARGES, VENT/RELIEF LINES, ETC.

INDIRECT WATER HEATER SCHEDULE (HX)

- NOTES:
1. PROVIDE ON SKID WITH EXPANSION TANK ET-2 AND CIRCULATION PUMP CP-1. PROVIDE WITH 500 GALLON STORAGE TANK T-1. SEE HEATING WATER FLOW DIAGRAM ON M-513.
2. NSF COMPLIANT ASMT EXCHANGER WITH HEAT EXCHANGER FOR ZERO CROSS CONTAMINATION, T&P RELIEF VALVE.
3. 120/1-12A ELEC POWER, PACKAGED CONTROLS WITH BAS INTERFACE AND FACTORY INSTALLED HEATING WATER CONTROL VALVE AND DOMESTIC CIRCULATION PUMP.

TAG NAME	SERVICE	FLUID TYPE	HOT SIDE				COLD SIDE				VOLTAGE	PHASE	MAXIMUM DIMENSIONS			WEIGHT LBS	MANUFACTURER	MODEL	NOTES
			GPM DESIGN	W.P.D. FT. HD.	EWI *F	LWT *F	GPM DESIGN	W.P.D. FT. HD.	EWI *F	LWT *F			WIDTH	HEIGHT	LENGTH				
HX-1	DOMESTIC WATER	30% GLYCOL WATER	75	6	180	115	47	1	40	140	120 V	1	1'-3"	4'-8"	3'-8"	1,200	LOCHINVAR	IPW050DW	1,2,3

FAN SCHEDULE (EF, RF, SF, etc.)

- NOTES:
1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.
2. PROVIDE WITH HOUSING SEALED FOR OUTDOOR USE AND SPARK B RATING.

TAG NAME	ALTITUDE	ARRANGEMENT	CFM DESIGN	TOTAL S.P. IN. WC	DRIVE	RPM	MOTOR				ELECTRICAL				MAXIMUM DIMENSIONS			WEIGHT LBS	MANUFACTURER	MODEL	NOTES
							MHP [E]	BHP [E]	VOLTS	PH	DISCONNECT BY [A]	TYPE [B]	CNTLR/STARTER BY [A]	TYPE [C]	SCCR	WIDTH	HEIGHT	DEPTH			
EF-1	8000	IN-LINE	850	0.5	DIRECT	1657	0.25	0.13	120 V	1	MFR	NF	MFR	5,000 A	1'-6"	1'-6"	1'-5"	50	GREENHECK	SQ-9-M1-VG	1
EF-11	8000	IN-LINE	1,650	0.5	BELT	1653	0.3	0.3	115 V	1	MFR	NF	MFR	5,000 A	2'-11"	1'-11"	1'-6"	100	GREENHECK	QE1-12	1,2

CABINET HEATER SCHEDULE - ELECTRIC (CAB)

- NOTES:
1. COORDINATE COLOR SELECTION WITH ARCHITECT AND OWNER.
2. MOUNT UNIT AS A SEMI-RECESSED CONFIGURATION WITHIN THE CEILING. MOUNT AS HIGH TO STRUCTURE AS POSSIBLE.
3. UNIT HEATER TO BE SET AT 65°F VIA WALL MOUNTED LINE VOLTAGE THERMOSTAT.

TAG	SERVICE	ARRANGEMENT	DIMENSIONS			FAN	ELECTRIC ELEMENT	ELECTRICAL						WEIGHT	MANUFACTURER	MODEL	NOTES
			WIDTH	HEIGHT	DEPTH	CFM DESIGN	KW	VOLTS	PH	DISCONNECT BY [A]	TYPE [B]	CNTLR/STARTER BY [A]	SCCR				
CUH-1	PRESS BOX	HORIZONTAL RECESSED	51"	30"	10"	250	5	208 V	1	MFR	NF	MFR	5,000 A	115	BRASCH	BH-922	1,2,3

RADIATION SCHEDULE - ELECTRIC (RAD)

- NOTES:
1. MANUFACTURER TO PROVIDE INTERGRAL DISCONNECT AND LINE VOLTAGE THERMOSTAT.

TAG NAME	SERVICE	CABINET			ELEMENT		ELECTRICAL						MANUFACTURER	MODEL	NOTES	
		WIDTH	HEIGHT	DEPTH	TOTAL KW (QTY * KW)	WATTS / FT	VOLTS	PH	DISCONNECT		CNTLR/STARTER					
									BY [A]	TYPE [B]	BY [A]	TYPE [C]				
RAD-1	PRESS BOX	96"	6"	3"	2	250 W	208 V	1	MFR	NF	MFR	TSTAT	5,000 A	BERKO	Z500 SERIES	1

AIR TERMINAL SCHEDULE (EG, RG, SD, etc.)

- NOTES:
1. REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.
2. REFER TO DRAWINGS FOR FACE SIZES NOTED.
3. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.

TAG NAME	TYPE	LENGTH	WIDTH	MATERIAL	FINISH	MANUFACTURER	MODEL	NOTES
EG-1	EGGCRATE SIGHT-PROOF	2'-0"	2'-0"	STEEL	WHITE	PRICE	PDDR	1,2,3
TG-1	EGGCRATE SIGHT-PROOF	2'-0"	2'-0"	STEEL	WHITE	PRICE	PDDR	1,2,3

ADDENDUM 01

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DUCTWORK INSULATION (WRAP & LINER) SCHEDULE

SYSTEM	LOCATION	SERVICE NOTE 1	EXPOSED		CONCEALED		MINIMUM R-VALUE	SPECIFIC NOTES
			RECTANGULAR	ROUND / OVAL	RECTANGULAR	ROUND / OVAL		
RETURN AIR	INDOOR	MAIN	1" LINER	1" LINER	1" LINER	1" LINER	R-4	1
EXHAUST AIR AND RELIEF AIR	INDOOR	BRANCH	1" LINER	---	1" LINER	1-1/2" WRAP	R-4	1
		MAIN	---	---	---	---	---	4
		BRANCH	---	---	---	---	---	4

- GENERAL NOTES:
1) MINIMUM R-VALUE BASED ON 2021 IECC REQUIREMENTS.
2) DUCT SIZES SHOWN ARE OUTSIDE SHEET METAL DIMENSIONS. LINER, WHERE USED, HAS ALREADY BEEN FACTORED INTO THE DUCT SIZE TO ACCOMMODATE PROPER FREE AREA.
3) THE INSULATION THICKNESS GIVEN MEETS OR EXCEEDS THE REQUIRED R-VALUE FOR THE BASIS OF DESIGN (JOHNS MANVILLE). INSTALLED PRODUCT SHALL MEET OR EXCEED THE LISTED R-VALUE; INSULATION THICKNESS AND CORRESPONDING DUCT SIZE (FOR LINER) SHALL BE INCREASED FOR ALTERNATES THAT CANNOT MEET THIS THICKNESS TO PERFORMANCE CONDITION.
4) R-VALUES FOR WRAP SHALL BE SHOWN USING THEIR INSTALLED CONDITION RATING AS NOTED ON THE MANUFACTURER'S SPECIFICATION SHEET.
5) JACKET (PVC OR METAL) SHALL BE INSTALLED AS REQUIRED BY THE SPECIFICATIONS.
6) FLEXIBLE DUCT SHALL BE AS NOTED IN THE "AIR DUCT ACCESSORIES" SPECIFICATION.
7) DUCT WRAP IS ALLOWED TO BE BLANKET OR BOARD; CONTRACTOR OPTION.
8) MULTIPLE LAYERS OF WRAP OR LINER TO ACHIEVE TOTAL R-VALUE ARE ACCEPTABLE IF INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

- SPECIFIC NOTES:
1) INSULATION PROVIDED FOR ACOUSTICS OR OTHER PERFORMANCE CRITERIA, NO ENERGY CODE REQUIREMENT
2) WHERE EXHAUST TO THE ENERGY RECOVERY IS COMING FROM A MOIST ENVIRONMENT (LOCKER, SHOWER, DISHWASHER, LAUNDRY, ETC.) WRAP SHALL BE PROVIDED IN LIEU OF LINER BACK TO MAIN OR FOR 25' WHICHEVER DISTANCE IS GREATER.
3) NOT USED.
4) EXHAUST SYSTEMS SHALL BE PROVIDED WITH 1" WRAP INSULATION BETWEEN SYSTEM BACKDRAFT DAMPER AND PENETRATION OF BUILDING EXTERIOR OR ALL DUCT WITHIN 20' OF BUILDING EXTERIOR PENETRATION WHICHEVER IS LESS TO PREVENT CONDENSATION.

- DEFINITIONS:
EXPOSED DUCT: DUCT THAT IS EXPOSED TO VIEW IN OCCUPIED OR UNOCCUPIED SPACES THAT ARE CONDITIONED.
CONCEALED DUCT: DUCT THAT IS CONCEALED IN CHASES, SHAFTS, CEILING PLENUMS OR OTHER ASSEMBLY WITHIN THE INSULATED BUILDING ENVELOPE.
MAIN DUCT: DUCT FROM THE AIR HANDLING UNIT TO FINAL TERMINAL TAKEOFF.
MAIN TO TERMINAL DUCT: THIS IS A BRANCH DUCT; TYPICALLY THE DUCT FROM THE MAIN TAKEOFF TO THE TERMINAL (VAV BOX OR EQUIVALENT).
TERMINAL TO GRD DUCT: THIS IS A BRANCH DUCT DOWNSTREAM OF THE TERMINAL (VAV BOX, HEAT PUMP, FAN COIL OR EQUIVALENT).
OUTSIDE AIR TEMPERED: TEMPERED OUTSIDE AIR IS AIR THAT IS HEATED OR COOLED TO WITHIN 10 DEG F OF THE SPACE/SURROUNDING TEMPERATURE.
INDOOR: DUCT LOCATIONS WITHIN THE INSULATED BUILDING ENVELOPE.
OUTDOOR: DUCT LOCATIONS OUTSIDE OF THE INSULATED BUILDING ENVELOPE (ON GRADE, ROOF, EXTERIOR SOFFIT, EXTERIOR CHASE, ATTIC, CRAWLSPACE, ETC.).

EAST GRAND SCHOOL DISTRICT
Middle Park High School Renovation
Summer 2026

7955 N. 2nd Street
Granby, CO 80446

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

1
No. 03/05/2026
Date
Revision

1
ADDENDUM 01

Project Name
Middle Park High School
Renovation - Summer 2026

Project Number
222000.30

Date (YYYY/MM/DD)
2026/02/11

Drawn By
ABR

Checked By
BRE

Drawing
MECHANICAL & PLUMBING
SCHEDULES

M-611

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EXISTING AIR HANDLING UNIT REFURBISHMENT SCHEDULE

UNIT TAG 1980	UNIT TAG 1998	UNIT TAG 2008	UNIT TAG 2024	ISSUES LOG TAG	SINGLE OR MULTI ZONE	UNIT HEATING COIL	REHEAT COILS	AREA SERVED	SUPPLY FLOW CFM	OUTDOOR FLOW CFM	S FAN MOTOR HP	HEATING CAPACITY MBH	REPLACE CONTROLS	MOTOR	VFD	HEATING COIL	COIL PUMP	REPLACE REHEAT COIL VALVES & ACTUATORS	NOTES
AHU-1	AHU-1	AHU-1	AHU-1	AHU-3	MULTIPLE	HC-1	HC-12 THRU HC-19	ORIGINAL SE CLASSROOMS	11,525		7.5	0	NO	YES	YES	YES		YES	1,2
AHU-2	AHU-2			AHU-1	MULTIPLE		VAV-2-1 THRU VAV-2-12	ORIGINAL NW CLASSROOMS	13,200		7.5	0	NO	YES	YES			YES	
HVU-1	HVU-1			AHU-5	SINGLE			ORIGINAL AUDITORIUM	13,400		7.5	640	NO	YES	YES			YES	1
HVU-2	HVU-2			AHU-6	SINGLE			ORIGINAL STAGE	3,225		1.5	160	NO	YES	YES			YES	1
HVU-3	HVU-3			AHU-2	SINGLE			ORIGINAL NE SCIENCE CLASSROOMS	3,225		1.5	160	NO	YES	YES		YES	YES	1
HVU-4	HVU-4			AHU-4	SINGLE			ORIGINAL COMMONS ENTRY	6,300		3	312	NO	YES	YES			YES	1
HVU-8	HVU-8			AHU-8	SINGLE			ORIGINAL WRESTLING	4,000		2	198	NO	YES	YES		YES	YES	1
HVU-9	HVU-9			AHU-9	SINGLE			ORIGINAL GYM	15,000		7.5	742.5	NO	YES	YES			YES	1
	N AHU-1			AHU-1,98	MULTIPLE		HC-1 THRU HC-7	98 ADD EAST ADDITION	11,150	4,460	10	245	NO	YES	YES			YES	1
	N AHU-2	AHU-2			MULTIPLE		HC-8 THRU HC-9	98 ADD WEIGHTS & TRAINING	4,600	1,400	5	68.8	NO	YES	YES			YES	1
		N AHU-1		AHU-1/13	SINGLE			08 ADD GYM	17,000	850	20	782.6	NO	YES	YES			YES	1
		N AHU-2		AHU-2	SINGLE			08 ADD WEIGHTS & LOCKERS	3,480	390	5	69.1	NO	YES	YES			YES	1
		N AHU-3		AHU-3	MULTIPLE		HWC-1 THRU HWC-4	08 ADD ADMIN	4,000	475	3	57.8	NO	YES	YES			YES	1
		N AHU-4		AHU-4	MULTIPLE		HWC-4 THRU HWC-10	08 ADD NORTH ADDITION	6,030	460	7.5	126.4	NO	YES	YES			YES	1
			RTU-10		MULTIPLE		VAV-10-1 THRU VAV-10-5						NO					YES	

GENERAL NOTES:
A. REPLACE EXISTING CONTROLLERS, SENSORS, REFER TO EXISTING TEMPERATURE CONTROLS DRAWINGS FOR EXISTING CONTROLS INFO.
B. INSTALL NEW VFD AND REPLACE EXISTING MOTOR WITH PREMIUM DUTY INVERTER RATED MOTOR.
C. INSTALL NEW DUCT MOUNTED HEATING COIL IN SUPPLY DUCTWORK JUST DOWNSTREAM OF EXISTING UNIT, SIZE FOR MAX 500 FPM AND MINIMUM 20 DEGREE AIR RISE WITH 180 EWT 30% PROPYLENE GLYCOL HEATING WATER.
D. REPLACE EXISTING COIL PUMP WITH SIMILAR INLINE PUMP.
E. REPAIR EXISTING DAMPERS INCLUDING BUT NOT LIMITED TO LINKAGES, BEARINGS, SEALS, AND RANGE OF MOTION.
F. REPLACE EXISTING DAMPER AND VALVE ACTUATOR(S).
G. REPLACE EXISTING REHEAT COIL CONTROL VALVE AND ACTATOR (OR AHU HW COIL WHERE NOTED).

SPECIFIC NOTES:
1. REPLACE AIR HANDLING UNIT (AHU OR HVU) HEATING COIL CONTROL VALVE AND ACTUATOR.
2. INSTALL PREHEAT COIL ON DISCHARGE OF EXISTING AIR HANDLING UNIT. PROVIDE WITH NEW CONTROL VALVE AND ACTUATOR. COIL TO BE SIZED FOR 180° F EWT AND 30% PROPYLENE GLYCOL.

EXISTING TERMINAL UNIT REFURBISHMENT SCHEDULE

EQUIPMENT TYPE	TAG NAME AT INSTALL 1980	TAG NAME AT INSTALL 1998	TAG NAME AT INSTALL 2008	TAG NAME AT INSTALL 2024	AREA SERVED	REPLACE CONTROLS	REPAIR DAMPERS	REPLACE ACTUATORS	REPLACE REHEAT COIL VALVES & ACTUATORS	NOTES
BASEBOARD RADIATION	BBR		BBR-1		VARIES	NO			YES	
EXHAUST FAN	EF: 1-7, 10-13, 22, 24-27	EF1 THRU EF-8	EF-1 THRU EF-5	EF-1 THRU EF-12		NO	YES	YES		
TRANSFER FAN			TF-1 THRU TF-3			NO	YES	YES		
UNIT HEATER		UH-1 THRU UH-2	UH-1 THRU UH-3	UH-1 THRU UH-5		NO			YES	
CABINET UNIT HEATER		CUH-1 THRU CUH-3	CUH-1 THRU CUH-5			NO			YES	

GENERAL NOTES:
A. REPLACE EXISTING CONTROLLERS, SENSORS, REFER TO EXISTING TEMPERATURE CONTROLS DRAWINGS FOR EXISTING CONTROLS INFO.
B. REPAIR EXISTING DAMPERS INCLUDING BUT NOT LIMITED TO LINKAGES, BEARINGS, SEALS, AND RANGE OF MOTION.
C. REPLACE EXISTING DAMPER AND VALVE ACTUATOR(S).
D. REPLACE EXISTING REHEAT COIL CONTROL VALVE AND ACTATOR.

SPECIFIC NOTES:

ADDENDUM 01

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EAST GRAND SCHOOL DISTRICT
Middle Park High School Renovation
Summer 2026
795 N. 2nd Street
Granby, CO 80446

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

1 03/05/2026 ADDENDUM 01
No. Date Revision
Project Name
Middle Park High School
Renovation - Summer 2026
Project Number
222000.30
Date (YYYY/MM/DD)
2026/02/11
Drawn By
ABR
Checked By
BRE
Drawing
MECHANICAL & PLUMBING
SCHEDULES

M-612

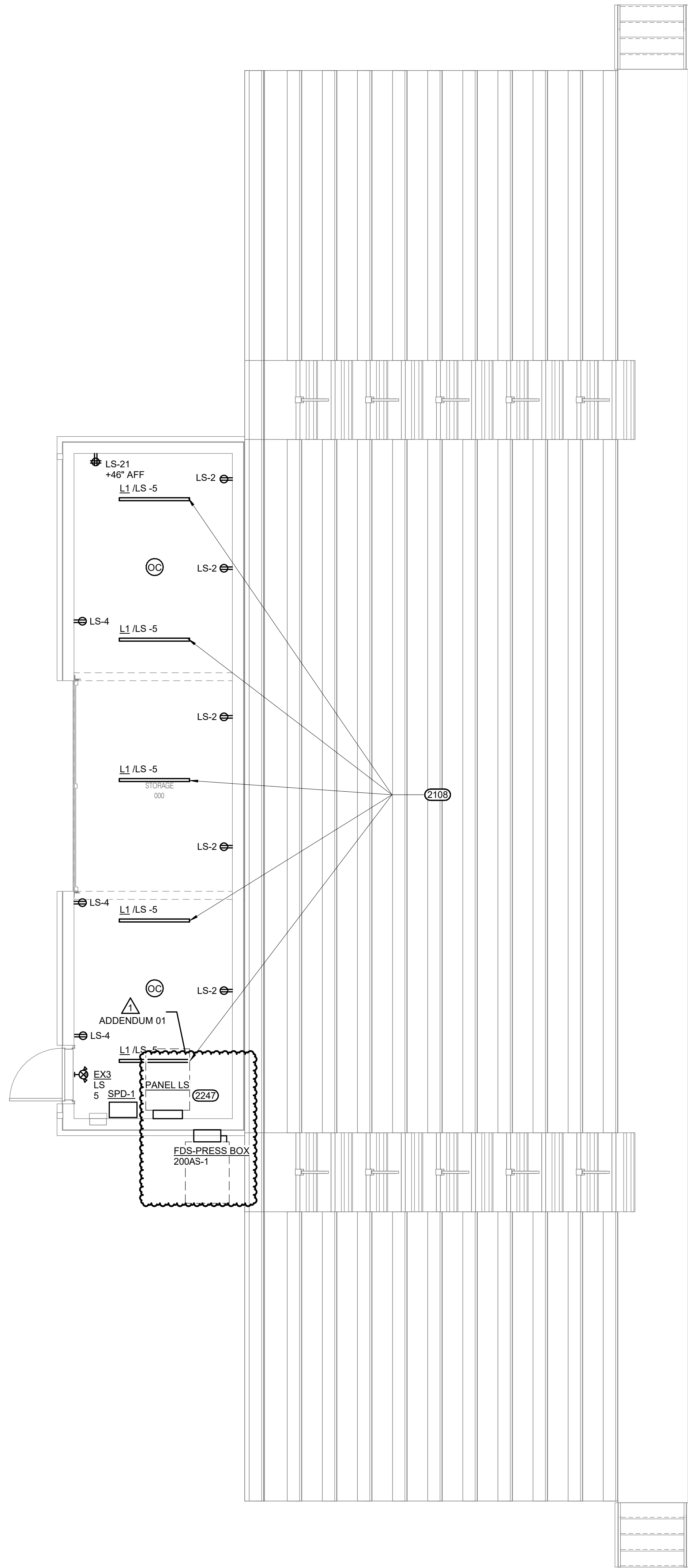
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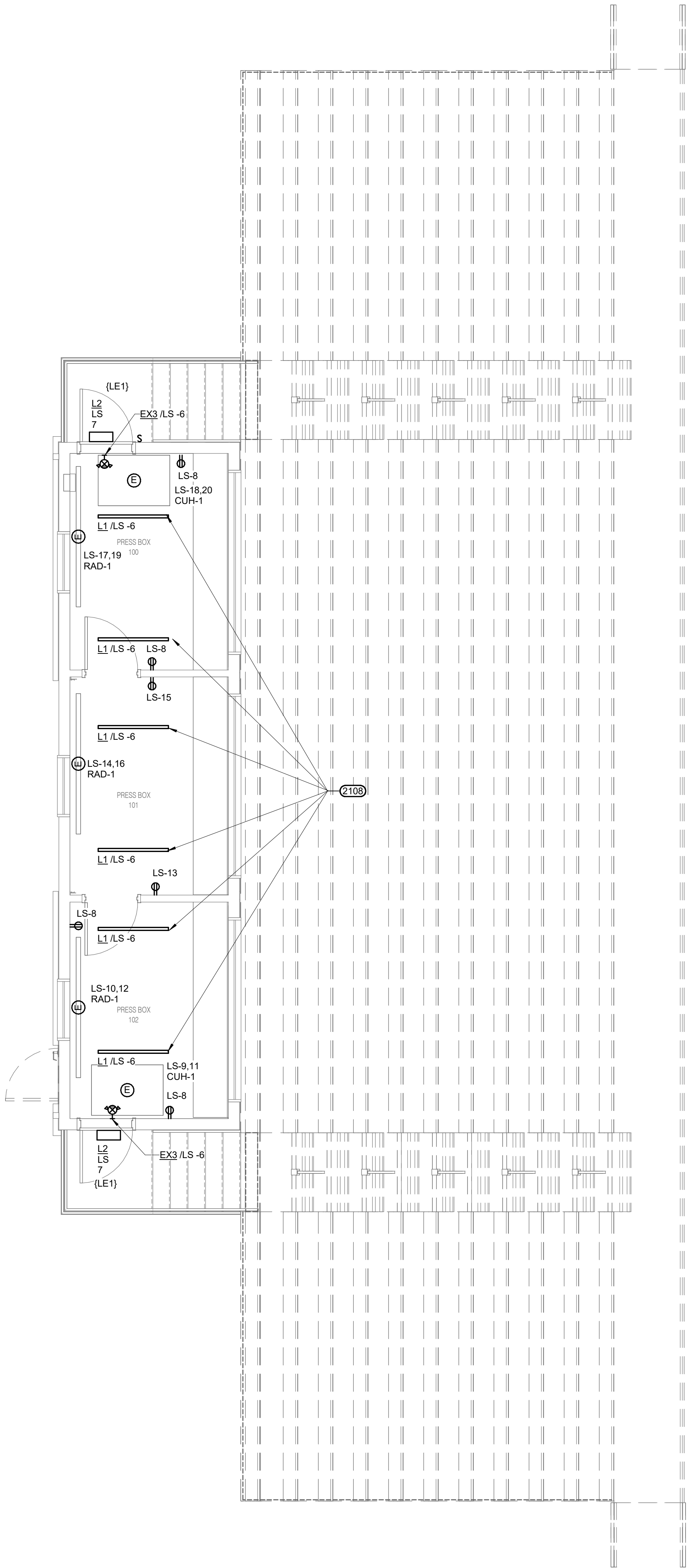
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0 1 2 3
REF. SCALE IN INCHES PROJECT #25000651.00



1 FIRST FLOOR PRESS BOX PLAN - ELECTRICAL
1/4" = 1'-0"



2 SECOND FLOOR PRESS BOX PLAN - ELECTRICAL
1/4" = 1'-0"

2108

ADDENDUM 01

2247

KEYNOTES

S1 LIGHTING FIXTURE WITH GUARDS, 4' X 2' 3/4" LENS STRIP FIXTURE, FULL FROSTED WIDE LENS, DIEFORMED COLD ROLLED STEEL CONSTRUCTION, 39 W, LED, 4700 LUMENS, METLUX SNE-ED LENSED.

NEW MOTORIZED GATE OPERATOR, PROVIDE DEDICATED 120V 20A CIRCUIT. COORDINATE WITH MANUFACTURER ON ROUGH-IN REQUIREMENTS INTO BASE/LEAVEOUT. WIRE WITH 2#12 + #12G IN 3/4" C. REFER TO SHEET A-100 FOR LOCATION (APPROXIMATELY 130" WEST OF PRESS BOX).

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EAST GRAND SCHOOL DISTRICT
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

1	03/05/2026	ADDENDUM 01
No.	Date	Revision
Project Name		
Middle Park High School Renovation - Summer 2026		
Project Number		
222000.30		
Date (YYYY/MM/DD)		
2026/02/11		
Drawn By	Checked By	
AGG	JMN	
Drawing		
PRESS BOX PLANS - ELECTRICAL		

E-100

100% CONSTRUCTION DOCUMENTS

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0 1 2 3

REF. SCALE IN INCHES

PROJECT #2500851.00

(DESC) DOOR:		DISTRIBUTION:	BEAMWIDTH:	(L/L) LENS/SLOUVER:	K19 - K51H 156" ACRYLIC
FA - FLAT ALUMINUM		II - ANSI/IES TYPE 2 DISTRIBUTION	NSP - VERY NARROW SPOT	A - 125° ACRYLIC	M - MATTE DIFFUSE CLEAR
FS - FLAT STEEL		III - ANSI/IES TYPE 3 DISTRIBUTION	SP - SPOT	B - BAFFLE ACRYLIC	N - NONE
RA - REGRESSED ALUMINUM		IV - ANSI/IES TYPE 4 DISTRIBUTION	MD - MEDIUM	P - POLY CARBONATE	R - HIGH IMPACT DR ACRYLIC
FINISH:		V - ANSI/IES TYPE 5 DISTRIBUTION	WD - WIDE	F - FROSTED ACRYLIC	SS - SEMI-SPECULAR CLEAR
PAF - PAINT AFTER FABRICATION			VWD - VERY WIDE	G - TEMPERED GLASS	O - OTHER (SEE DESCRIPTION)
CPSA - COLOR-FINISH SELECTION BY ARCHITECT			WW - WALL WASH	K - KSH12 125° ACRYLIC	
(MTG) MOUNTING:		RE - RECESSED		(WATT) PER:	FIX - FIXTURE, FT - FOOT, LAMP
CL - CEILING SURFACE		SP - SUSPENDED		(TYPE) LED	RGB - COLOR CHANGING LED
CV - COVE		SU - SURFACE		LED - LIGHT EMITTING DIODE	RGBW - COLOR CHANGING + WHITE
FR - FLANGED RECESSED		UC - UNDER CABINET		TLED - TUBULAR LED LAMP	RGB - COLOR CHANGING + AMBER
P - PERIMETER		WL - WALL		OLED - ORGANIC LED	LED - RETROFIT LED
PL - POLE		O - OTHER (SEE DESCRIPTION)		DLED - DYNAMIC TUNABLE LED	WLED - WARM DIM LED
(TYPE) DRIVER:		EB - ELECTRONIC	HL - HIGH/LOW (100%/50%) STEP DIM		MY - MULTI-VOLTAGE ELECTRONIC REM - REMOTE
D10V - 10% DIMMING		ELV - ELECTRONIC LOW VOLTAGE	LINE - LINE VOLTAGE DIMMING		O - OTHER (SEE DESCRIPTION)
D40V - DIGITAL ADDRESSABLE		EM - EMERGENCY BATTERY	ML - MULTI-LEVEL SWITCHING		
DMX - DIGITAL MULTIPLEX					
CATALOG NUMBER SHALL NOT BE CONSIDERED COMPOSITE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.					
VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.					
CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.					
UNLESS NOTED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.					
REFER TO SPECIFICATION SECTIONS LED LIGHTING 28 51 19 AND EMERGENCY LIGHTING INVERTER 26 52 15 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.					
INTERIOR COLOR TEMPERATURE 3000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 90, UNLESS NOTED OTHERWISE.					
EXTERIOR CORRELATED COLOR TEMPERATURE 3000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 70, UNLESS NOTED OTHERWISE.					

NOTES:

(LW) DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE

(LW) PUSHTUB REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF [RAISE/LOWER AND SWITCH] ON/OFF FOR MULTIPLE SPACES AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF OPERATIONS (LW).

CONTRIBUTION TO THE LIGHTING SEQUENCE OF OPERATIONS (LW) SHALL BE PROVIDED BY THE MANUFACTURER.

(ZW) DENOTES LIGHTING CONTROL ZONE. PROVIDE SEPARATE CONTROL OF EACH CONTROLLED ZONE. LUMINAIRES SHALL BE CAPABLE OF DIMMING AND OPERATE TOGETHER WITHIN THE SAME PROGRAMMED SCENE.

4. = SWITCH DESIGNATION FOR LIGHTING CONTROL

5. VERIFY AND COORDINATE ALL TIME CLOCK SETTINGS WITH OWNER PRIOR TO FINAL PROGRAMMING.

6. VERIFY AND COORDINATE ALL NON WALL DEVICES AND QUANTITY OF MOVING WALL BUTTS WITH SCENES AND ZONES PER LOCATION.

7. VERIFY AND COORDINATE ALL PUSHTUB QUANTITIES AND SCENE NAMES WITH OWNER PRIOR TO SUBMITTING ENGRAVING LOCATION TO MANUFACTURER.

NOTE: ALL DISCONNECTS (EXCEPT MANUAL STARTERS) SHALL BE HEAVY DUTY TYPE.												
DISCONNECT TYPE:			ACCESSORIES & OPTIONS									
FU - FUSED			SA - STANDARD ACCESSORIES (INCLUDES * ITEMS)					PF - PHASE LOSS PROTECTION (5 HP OR GREATER, 3 PHASE...				
NF - NON-FUSED			*CT - CONTROL TRANSFORMER, FUSED 120V					TO - MELTING THERMAL OVERLOADS (1 PHASE)				
CB - CIRCUIT BREAKER			*EO - ELECTRONIC OVERLOAD (3 PHASE MOTORS)					TS - 2 SPEED SELECTOR SWITCH IN DOOR				
			*HA - HAND-OFF-AUTO IN DOOR					GP - GREEN (OFF) PILOT LIGHT IN DOOR				
<u>STARTER TYPE:</u>			*RP - RED (RUN) PILOT LIGHT IN DOOR					FA - 4-CONVERTIBLE AUXILIARY CONTACTS				
FV - FULL VOLTAGE			*TA - TWO CONVERTIBLE AUXILIARY CONTACTS					EI - ELECTRICAL INTERLOCK (2)-N.O. & (2)-N.C.				
YD - WYE - DELTA			S/N - INSULATED NEUTRAL ASSEMBLY					SS - START-STOP PUSHBUTTON IN DOOR				
RE - REVERSING								HL - HANDLE PADLOCK HASP				
TW - 2 SPEED, 2 WINDING												
SW - 2 SPEED, 1 WINDING												
RV - REDUCED VOLTAGE AUTOXFMR												
SS - SOLID STATE												
MS - MANUAL STARTER												
MX - MANUAL SWITCH												
FS - FUSED SWITCH												
AMS-ASSEMBLED MOTOR STARTER												
ITEM	DISCONNECT TYPE & RATING		VOLTAGE	POLES	STARTER		ENCLOSURE	REQUIRED ACCESSORIES & OPTIONS	COMMENTS			
	TYPE	RATING			TRIP RATING	SIZE				TYPE		
FDS-PRESS BOX	FU	200 A	200 A	240 V	2		NEMA 3R	S/N, HL	SERVICE RATED			

ADDENDUM 1

2248
2249

REFER TO DETAIL E-511-2 FOR GROUNDING INFORMATION.
EXISTING POLE MOUNT TRANSFORMER IS LOCATED APPROXIMATELY 100' WEST OF
PRESS BOX. EXISTING METER SOCKET IS LOCATED ON POLE. EC TO COORDINATE
WITH MOUNTAIN PARKS ELECTRIC TO RE-INSTALL METER AND ENERGIZE SYSTEM.

2248
TR-L-S
25KVA

ISC 0.00 kA

3#3/0 & 1#6 EGC IN 2" C.

FDS PRESS BOX
FU 200 A
ISC 1.14 kA
2248

3#4/0 IN 2" SCH 80

LS
120/240V, 1Ø3W
ISC 1.13 kA
SCCR 10 kA
SPD-1
200A MLO

1
NO SCALE

PRESSBOX ,PARTIAL ELECTRICAL ONE-LINE DIAGRAM

MOUNTING: SURFACE

ENCLOSURE: NEARFACE 1

FED FROM: 200 AMP @ 600V 200

LOCATION:

SPD: SPD-1

GROUNDING: GROUND BUS

WIRING: 200 A MLO

VOLTS: 120/240 Single

PHASE: 1

WIRE: 3

SCRR: 10 KA

ISC: 1.13 KA

NOTES:

ADDENDUM 01

K E Y	CKT NO	LOAD DESCRIPTION	OCPD		WIRE SIZE		VD %		A		B		VD %		WIRE SIZE		OCPD		LOAD DESCRIPTION	CKT NO	K E Y	
			SIZE	P	H	N	G	N	H	G	N	H	G	N	H	P	AMPS					
--	1	SPD-1	30 A	2	--	--	--	--	0	0.9	--	--	0.64	12	12	12	12	1	20 A	R-PRESSBOX GND FLOOR	2	
--	3	--	--	--	--	--	--	--	0	0.54	0.3	12	12	12	12	12	1	20 A	R-PRESSBOX GND FLOOR	4		
--	5	L- PRESSBOX, GND FLR	20 A	1	12	12	12	0.21	0.22	0.26	--	--	0.3	12	12	12	1	20 A	L- PRESSBOX SECOND FLOOR	6		
--	9	CUH-1 LIGHT	20 A	1	12	12	12	0.08	--	--	0.07	0.72	0.77	12	12	12	1	20 A	R-PRESSBOX 2ND FLOOR	8		
--	13	CUH-1, PRESSBOX 102	30 A	2	8	--	10	0.35	2.5	1	--	--	0.54	12	--	12	2	15 A	RAD-1, PRESSBOX 102	10		
--	11	--	--	--	--	--	--	--	--	--	2.5	1	--	--	--	--	--	--	--	12	--	
--	13	R-PRESSBOX 101	20 A	1	12	12	12	0.2	0.18	1	--	--	0.72	12	--	12	2	15 A	RAD-1, PRESSBOX 101	14		
--	15	R-PRESSBOX 101	20 A	1	12	12	12	0.26	--	--	0.18	1	--	--	--	--	--	--	--	16	--	
--	17	RAD-1	15 A	2	12	--	12	0.88	1	2.5	--	--	0.78	10	--	8	2	30 A	CUH-1	18		
--	19	--	--	--	--	--	--	--	--	--	1	2.5	--	--	--	--	--	--	--	20		
--	21	R-PRESSBOX GND FLOOR	20 A	1	12	12	12	0.51	0.36	--	--	--	2.66	12	12	12	15 A	GATE OPERATOR	22			

ADDENDUM 01

LOAD SUMMARY			
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND
Lighting	0.547 kVA	100.00%	0.547 kVA
Power	16.696 kVA	100.00%	16.696 kVA
Receptacles	2.88 kVA	100.00%	2.88 kVA
TOTALS*			
		TOTAL CONNECTED LOAD:	20.12 kVA
		TOTAL ESTIMATED DEMAND LOAD:	20.123 kVA
		TOTAL CONNECTED AMPS:	83.84 A
		TOTAL ESTIMATED DEMAND AMPS:	83.8 A

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

ADDENDUM 0

VIEW NAME

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL.

INDICATES DIRECTION OF TRUE NORTH

PLAN OR DETAIL NUMBER

PLAN OR DETAIL NAME

PLAN OR DETAIL SCALE
1/8" = 1'-0"

VIEW NAME

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

DETAIL REFERRED TO BY SECTION CUT

SHEET DETAIL IS LOCATED ON

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)

----- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)

——— NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)

----- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)

——— EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

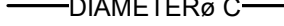
'TAG'-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG UNDERLINED TAG INDICATES OBJECT IS IN-SCHEDULE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

◆ INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY	
ABBR:	DESCRIPTION:
A.V.C.	AUDIO/VISUAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR

TECHNOLOGY ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFC	BELOW FINISHED CEILING
C	CONDUIT
DE	DELAYED EGRESS
DPOT	DOUBLE POLE DOUBLE THROW
FOV	FIELD OF VIEW
J-BOX	JUNCTION BOX
POE	POWER OVER ETHERNET
PTZ	PAN TILT ZOOM
SIM	SIMILAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR

<u>TECHNOLOGY SYMBOL LIST</u>			
SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
	<u>SC-IO-C</u>	INFORMATION OUTLET (CEILING)	1.
	<u>SC-IO-W</u>	INFORMATION OUTLET (WALL)	1.
	<u>VS-CM-#</u>	VIDEO SURVEILLANCE CAMERA SINGLE LENS FOV (WALL/VERTICAL SURFACE)	2.
    		CONDUIT CONDUIT DOWN CONDUIT UP OR UP/DOWN CONDUIT SLEEVE CONTINUATION	

GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
2. ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SYMBOL INDEX. REFERENCE TO THE TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
3. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.
4. REFER TO RISERS ON SHEET(S): T-400.

TECHNOLOGY SYMBOL NOTES:

1. "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T-600 FOR ADDITIONAL INFORMATION.
2. "CM-#" ON FLOOR PLANS INDICATES CAMERA TYPE AND IS ASSOCIATED WITH THE CORRESPONDING "VS-CM-#" EQUIPMENT SCHEDULE ABBREVIATION.

SUGGESTED MATRIX OF RESPONSIBILITY				
ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3. 4.
INFORMATION OUTLET FACELATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2. 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (>120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2. 4.
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.

SUGGESTED MATRIX OF RESPONSIBILITY NOTES

1. LOCATIONS OF TELECOMMUNICATIONS ROUTING SLIPS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
2. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
3. INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.G. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE DRAWINGS AND COMMENTS.
4. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE DUE TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THIS BID PRICE. THIS BID PRICE SHALL BE A LUMP SUM TOTAL BY A LICENSED ELECTRICIAN.
5. UNLESS TRADE RULES DICTATE OTHERWISE.

TECHNOLOGY GENERAL NOTES:

1. **##-###-#** INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
2. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.

TECHNOLOGY MOUNTING SUBSCRIPT KEY:

A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
S	MOUNT IN SURFACE RACEWAY

A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.

TECHNOLOGY INSTALLATION NOTES:

- [illegible]

TECHNOLOGY SHEET INDEX	
T-000	TECHNOLOGY COVERSHEET
T-001	TECHNOLOGY SITE PLAN
T-100	PRESS BOX PLANS - TECHNOLOGY
T-400	TECHNOLOGY RISERS
T-500	TECHNOLOGY DETAILS
T-600	TECHNOLOGY SCHEDULES
GRAND TOTAL: 6	

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LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

1	03/05/2026	ADDENDUM 01
No.	Date	Revision

Project Name
Middle Park High School
Renovation - Summer 2026

Project Number
222000.30

Date (YYYY/MM/DD)
2026/02/11

Drawn By	Checked B
CB	AJ

Drawing

TECHNICAL

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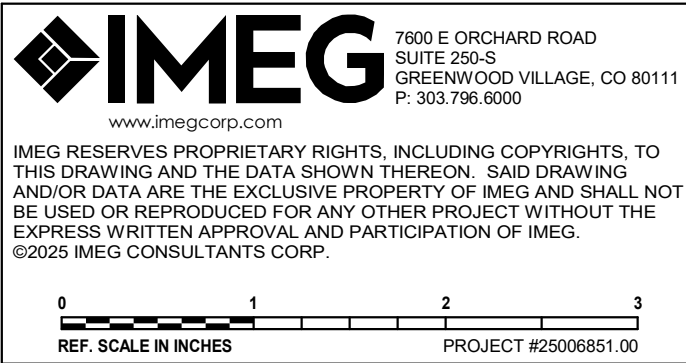
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Middle Park High School Renovation
Summer 2026

Granby, CO 80446

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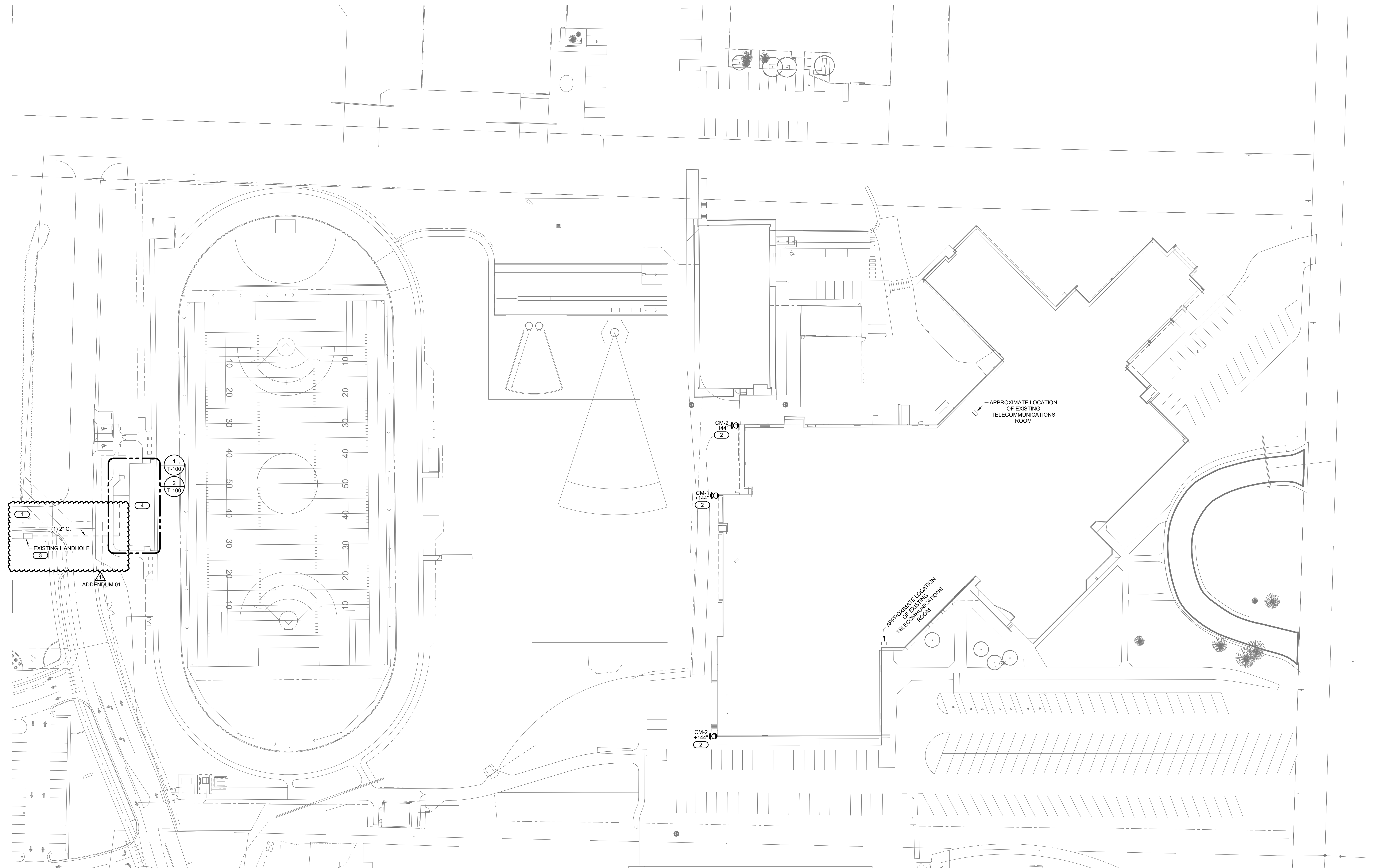
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Project Name	
Middle Park High School Renovation - Summer 2026	
Project Number	
22000.30	
Date (YYYY/MM/DD)	
2026/02/11	
Drawn By	Checked By
Author	Checker
Drawing	
TECHNOLOGY SITE PLAN	

-001

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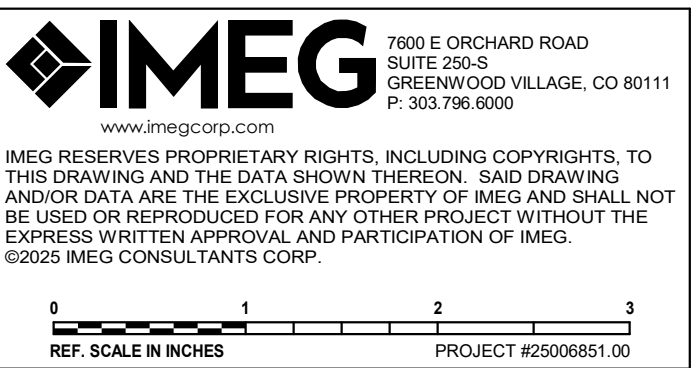
1 TECHNOLOGY SITE PLAN

1" = 40'-0"

KEYNOTES

- EXISTING GRANBY ELEMENTARY SCHOOL IS LOCATED DIRECTLY WEST. NEW PRESS BOX IS TO BE SUPPORTED FROM THE EXISTING GRANBY ELEMENTARY SCHOOL WITH FIBER CONNECTION. REFER TO THE COPPER RISER DIAGRAM ON 1/7-40 FOR ADDITIONAL INFORMATION.
- NEW CAMERAS ON THE EXTERIOR OF MIDDLE PARK HIGH SCHOOL ARE TO HAVE CABLES ROUTED TO THE NEAREST EXISTING TELECOM ROOM WITHIN MIDDLE PARK HIGH SCHOOL. FINAL CAMERA LOCATIONS AND VIEWS ARE TO BE DETERMINED BY OWNER PRIOR TO ROUGH-IN. REFER TO THE MIDDLE PARK HIGH SCHOOL COPPER RISER DIAGRAM ON 2/17-40 FOR ADDITIONAL INFORMATION.
- LOCATION OF EXISTING GRANBY ELEMENTARY SCHOOL AND MIDDLE PARK HIGH SCHOOL ARE LOCATED FURTHER WEST CENTRALLY TO GRANBY ELEMENTARY SCHOOL.
- THE PREVIOUSLY DISMOUNTED PRESS BOX WAS SUPPORTED WITH A MICROWAVE ANTENNA WIRELESS BRIDGE BETWEEN THE OLD PRESS BOX AND MIDDLE PARK HIGH SCHOOL. CONTRACTOR TO PROVIDE ALTERNATE FOR INSTALLING EXISTING MICROWAVE ANTENNA ON TOP OF NEW PRESSBOX TO REESTABLISH THE WIRELESS ANTENNA CONNECTION.

ADDENDUM 01





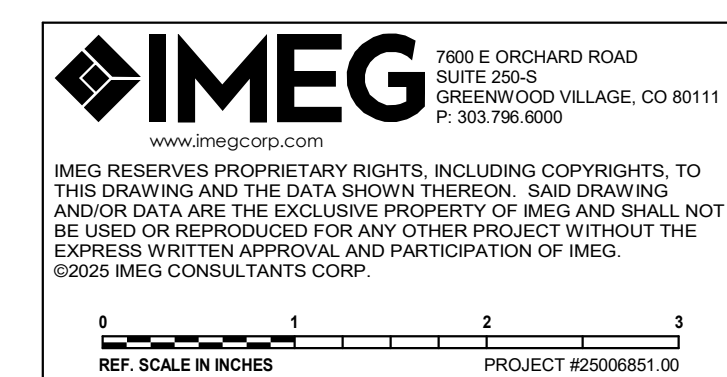
- KEYNOTES:
1. SPACE RESERVED FOR EXISTING AV EQUIPMENT REMOVED FROM OLD PRESS BOX TO BE INSTALLED IN NEW PRESS BOX. COORDINATE WITH OWNER AS REQUIRED.



- ADDENDUM 01



- ADDENDUM 0





6. INDICATES DATA FACELATE CONFIGURATION. REFER TO THE INFORMATION OUTLET SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATIONS SECTION 27 15 00 FOR ADDITIONAL INFORMATION.

7. EXISTING TELECOM RACK. CONTRACTOR TO FIELD VERIFY LOCATION IN COORDINATION WITH OWNERS REPRESENTATIVE.

8. TELECOM RACK AS DEFINED ON FLOOR PLANS.

9. CATEGORY 4 UTP PATCH CORDS. REFER TO SPECIFICATIONS.

10. PAIR CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS.

11. CATEGORY 6A UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS.

12. FIBER OPTIC PATCH CORDS. COORDINATE WITH OWNER AS REQUIRED.

13. FIBER OPTIC PATCH CORDS. COORDINATE WITH OWNER AS REQUIRED.

14. TERMINATION OF EXISTING TERMINAL BLOCKS BY CONTRACTORS. COORDINATE TERMINATION ON EXISTING GRABBER ES NETWORK EQUIPMENT WITH OWNER AS REQUIRED. UTILIZE EXISTING PATHWAY FOR BRANING FIBER FROM EXISTING HANDHOLE SHOWN ON T-001 TO THE TERMINAL BLOC.



1. EXISTING TELECOM RACK. CONTRACTOR TO FIELD VERIFY LOCATION IN COORDINATION WITH OWNERS IT DEPARTMENT.
2. 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE, REFER TO SPECIFICATIONS.



1. REFER TO FLOOR PLANS FOR LOCATIONS OF TELECOMMUNICATION ROOMS.
2. INCLUDES HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING.
3. REFER TO THE ELECTRICAL DRAWINGS FOR LOCATION.
4. TELECOMMUNICATIONS BONDING CONDUCTOR (TBC), TO ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION. REFER TO TELECOMMUNICATIONS BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENTS.
5. PROVIDE SC-GND-2 RACK MOUNT TELECOMMUNICATIONS BONDING BUSBAR AT EACH EQUIPMENT CABINET.



1. THIS RISER IS DIAGNOSTIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. REFER TO THE ELECTRICAL SCHEDULE FOR THE DETAILED REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS. REFER TO THE ELECTRICAL SCHEDULE FOR THE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. TELECOM BONDING BACKSHOE SHALL BE PROVIDED PER CONDUCTOR CONDUCTOR SIZING SCHEDULE. REFER TO THE ELECTRICAL SCHEDULE FOR THE SPECIFIC CONDUCTOR SIZING SCHEDULE. (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR). REFER TO CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. REFER TO THE ELECTRICAL SCHEDULE FOR THE CONDUCTOR COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
4. SC-COND-1 IS THE PRIMARY BONDING BUSBAR (PBB) WHICH CONNECTS TO THE (TBC) AND CONNECTS ALL SECONDARY BONDING BUSBAR (SBB) VIA THE (BBC).
5. REFER TO THE PRIMARY TELECOM ROOM SCHEDULE FOR THE ELECTRICAL ROOM DIAGRAM.
6. REFER TO FLOOR PLANS FOR LOCATIONS OF TELECOMMUNICATION ROOMS.

BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	6
21' - 26'	3
27' - 33'	2
34' - 41'	1
42 - 52'	1/0
53' - 66'	2/0
67' - 84'	3/0
85' 105'	4/0
106' - 125'	250 kcmil
126 - 150'	300 kcmil
151' - 175'	350 kcmil
176 - 250'	500 kcmil
251' - 300'	600 kcmil
GREATER THAN 301'	750 kcmil

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TECHNOLOGY EQUIPMENT SCHEDULE		
THE EQUIPMENT LIST ABBREVIATIONS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.		
CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	MANUFACTURER AND MODEL
NETWORK SWITCH	OWNER PROVIDED 48 PORT POE+ NETWORK SWITCH.	*
SC-CAB-1	TELECOM EQUIPMENT RACK. FREESTANDING FLOOR RACK. PROVIDE WITH 70 IN RACKING HEIGHT, 76 INCH OVERALL HEIGHT AND 24 INCH USABLE DEPTH WITH REAR RAILS AND REMOVABLE SIDE PANEL. COORDINATE CONDUIT ENTRANCES INTO JUNCTION BOXES OR DIVIDED GUTTER BOX AS REQUIRED TO MAINTAIN SIGNAL SEPARATION ON WALL-ARM AND RACK.	MIDDLE ATLANTIC PRODUCTS MRK-2426 OR APPROVED EQUAL
SC-FDG-1	OPTICAL FIBER DISTRIBUTION CABINET. RACK MOUNT. REQUIRED (1) 19" x 1.75" RACK MOUNTING SPACES. PROVIDE LC MODULES FOR 12 STRANDS OF FIBER. ACCEPTS (4) G2 MODULES OR ADAPTED PACKS. PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANEL(S), LC CONNECTOR, COUPLINGS, JUMPERS, AND REAR MOUNTED CLOSET HOUSING PANEL(S).	COMMSCOPE 7602-4998 EPX-IU-MOD-ENC OR APPROVED EQUAL
SC-GND-1	GROUNDING BUSBAR. WALL MOUNT. 4"-H X 12"-L X 1/4"-D SOLID COPPER, ELECTRICALLY ISOLATED BY INSULATORS INTEGRAL TO STAINLESS STEEL MOUNTING BRACKETS. PROVIDE UNIT CONFIGURED WITH 16 SETS OF 5/16" HOLES SPACED 5/8" ON CENTER TO ACCOMMODATE "A" SPACED TWO-HOLE COMPRESSION LUGS AND 3 SETS OF 7/16" HOLES SPACED 1" ON CENTER TO ACCOMMODATE "C" SPACED TWO-HOLE COMPRESSION LUGS. ANSIE/IA/TIA-607 AND BICSI COMPLIANT. UL LISTED. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. REFER TO 1/T-500 FOR BONDING BUS BAR DETAIL.	BURNDY 86B14412E OR APPROVED EQUAL
SC-GND-2	RACK MOUNT GROUND BAR. MINIMUM 3/16" D x 3/4" H x 19" W COPPER, CONFIGURED WITH MINIMUM HEIGHT (8) #6-32 TAPPED HOLES AND MINIMUM FOUR (4) 5/16" UNTAPPED HOLES. UL LISTED AND ANSIE/IA/TIA-607 AND BICSI COMPLIANT. REQUIRES ONE (1) 1.75" RACK MOUNTING SPACE.	PANDUIT RGRB19B OR APPROVED EQUAL
SC-IO-C	INFORMATION OUTLET, CEILING MOUNT. 1-PORT COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE. REFER TO INFORMATION OUTLET SCHEDULE ON T600 FOR PIN CONFIGURATION. * # INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING IN LOCATIONS WITH INACCESSIBLE CEILINGS. INSTALL A 1" EMT CONDUIT TO NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE NOTED. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS. REFER TO 3/T-500 FOR ADDITIONAL INFORMATION.	COMMSCOPE UNJ600-BL 1-2111037-3 OR APPROVED EQUAL
SC-IO-W	INFORMATION OUTLET, WALL MOUNT. 2-PORT COVERPLATE AS INDICATED ON DRAWINGS AND INFORMATION OUTLET SCHEDULE. REFER TO INFORMATION OUTLET SCHEDULE ON T600 FOR PIN CONFIGURATION. * # INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO SPECIFICATION SECTION 27 15 00 FOR ADDITIONAL INFORMATION. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE NOTED. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS. REFER TO 2/T-500 FOR ADDITIONAL INFORMATION.	COMMSCOPE UNJ600-BL 1-2111037-3
SC-MPP-1	UNLOADED CAT6 48 PORT PATCH PANNEL. REQUIRES 2 RU MOUNTING SPACE.	COMMSCOPE 760180059
SC-PDU-1	POWER STRIP. HORIZONTAL MOUNTS IN A STANDARD 19" RACK. 10 NEMA 5-15R REAR RECEPTACLES. 120VAC/60Hz. 10' POWER CORD. 15A THERMAL BREAKER. UL LISTED. REQUIRES (1) 1.75" MOUNTING SPACE.	GEIST BR100-10 OR APPROVED EQUAL
SC-TTB	TELECOMMUNICATIONS TERMINAL BOARD. 4'X8'X3/4" A-C GRADE FIRE-RATED PLYWOOD. EXPOSED SIDE SHALL BE SMOOTH. MOUNT VERTICALLY WITH TOP OF PLYWOOD AT 8'-6" AFF. IN THE EVENT THE MANUFACTURER'S RATING STAMP IS NOT VISIBLE ON THE SMOOTH SIDE, THE CONTRACTOR SHALL PROVIDE A LAMINATED LETTER FROM THE MANUFACTURER OR SUPPLIER CERTIFYING THAT THE PLYWOOD IS FIRE-RATED AND ATTACH THE LETTER WITH A PICTURE OF THE RATING STAMP. TO THE PLYWOOD, FIRE RATED PLYWOOD SHALL NOT BE PAINTED OR TREATED WITH ANY TYPE OF SEALANT THAT WOULD LESSEN THE INTEGRITY OF THE FIRE RATING.	*
VS-CM-1	4K PTZ CAMERA. WALL PENDANT MOUNT. VARIFOCAAL LENS WITH 30X OPTICAL ZOOM. 328 FEET OF IR RANGE. ONBOARD PEOPLE AND VEHICLE ANALYTICS. 30 DAYS OF ON BOARD STORAGE. IP66 AND IK10 RATED. REFER TO 4/T-500 FOR CAMERA MOUNTING DETAIL. FINAL CAMERA LOCATIONS AND VIEWS ARE TO BE DETERMINED BY OWNER PRIOR TO ROUGH-IN. COORDINATION LICENSING AND PROGRAMMING WITH OWNER.	VERKADA CP63-1TBE-HW
VS-CM-2	4K BULLET CAMERA. WALL MOUNT. VARIFOCAAL LENS. 8MM-20MM. 164 FEET OF IR RANGE. ONBOARD PEOPLE AND VEHICLE ANALYTICS. 30 DAYS OF ON BOARD STORAGE. IP66 AND IK10 RATED. REFER TO 4/T-500 FOR CAMERA MOUNTING DETAIL. FINAL CAMERA LOCATIONS AND VIEWS ARE TO BE DETERMINED BY OWNER PRIOR TO ROUGH-IN. COORDINATION LICENSING AND PROGRAMMING WITH OWNER.	VERKADA CB62-512TE-HW

ADDENDUM 0

ADDENDUM 01

INFORMATION OUTLET SCHEDULE		
SINGLE GANG WALL PLATES		
NOTES: 1. PROVIDE REMOVABLE BLANK INSERT(S) FOR ALL UNUSED PORTS. 2. REFER TO SPECIFICATION SECTION 27 05 53 FOR ADDITIONAL INFORMATION ON LABELING REQUIREMENTS.		LEGEND DATA CAT 6 RJ-45 BLANK BLANK FILLER MODULE
SCHEDULE NOTES: 1. LOCATION OF FUTURE OR OWNER PROVIDED WIRELESS ACCESS POINT. PROVIDE A 20' SLACK COIL AT THE NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION AFTER WIRELESS SURVEY.		
CONFIGURATION	FACEPLATE PORTS	FACEPLATE PORT IDENTIFICATION
		POSITION 1 JACK TYPE POSITION 2 JACK TYPE POSITION 3 JACK TYPE POSITION 4 JACK TYPE POSITION 5 JACK TYPE POSITION 6 JACK TYPE
C1-WAP	1	DATA
C2	2	DATA DATA
		NOTES

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