Addendum No. 2
March 20, 2026

Project: Union County Courthouse Addition and Renovation
Elk Point, South Dakota
Architecture Incorporated Project Number 0728.2893.20

Architect: Architecture Incorporated

Letting: Thursday, March 26, 2026
2:00 PM Prevailing Time

Location: Union County Auditor
Union County Courthouse
209 East Main Street, Suite 200
Elk Point, South Dakota 57025

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

SPECIFICATIONS ITEMS:

1. SECTION 087110 – DOOR HARDWARE

    a. Door Hardware Schedule: Omit doors 183, 184, 185, and 186 from the list included for Hardware Group #7. These doors are to be Hardware Group #5 as listed.

    b. Door Hardware Schedule: Omit doors 107 and 108 from the list included for Hardware Group #8. These doors are to be Hardware Group #22 as listed.

    c. Door Hardware Schedule: Hardware Group #21 to include door 002-1 in lieu of door 002.

    d. Door Hardware Schedule: Hardware Group #20 is not used.

2. SECTION 123216 – MANUFACTURED PLASTIC-LAMINATE-FACED CASEWORK

    a. CLARIFICATION: Provide hardwood plywood drawer boxes as specified. Melamine drawer boxes will not be accepted.
    b. CLARIFICATION: Provide moisture-resistant plywood toe kicks as specified. Moisture-resistant particle board toe kicks will not be accepted.

DRAWING ITEMS:

1. DRAWING SHEET 4.01 – DEMOLITION FLOOR PLAN

a. See attached revised Drawing Sheet 4.01 at area B, indicating floor sawcut to allow install of new sanitary sewer.

2. DRAWING SHEET 4.11 – FIRST FLOOR PLAN – AREA A

    a. See attached revised Drawing Sheet 4.11 for:

        i. Revised concrete stoop locations and dimensions.

        ii. Clarified splash block location respective of roof drain types.

3. DRAWING SHEET 4.12 – FIRST FLOOR PLAN – AREA B

    a. See attached revised Drawing Sheet 4.12 for modifications to the layout of Holding 139 and Holding 140.

    b. See attached revised Drawing Sheet 4.12 revised concrete stoop locations and dimensions.

4. DRAWING SHEET 4.30 – DOOR SCHEDULE/DETAILS/BORROWED LITES

    a. See attached revised Drawing Sheet 4.30 for modification of door fire rating duration regarding doors 127-1, 128, and 146.

5. DRAWING SHEET 4.41 – ENLARGED PLANS - JAIL

    a. See attached revised Drawing Sheet 4.41 for modifications to the layout of Holding 139 and Holding 140.

6. DRAWING SHEET 4.50 - INTERIOR ELEVATIONS

    a. Revise countertop edge profile at public windows to a 3mm edge on each side. Reference details 7/4.50, 8/4.50, 9/4.50, and 10/4.50.

7. DRAWING SHEET 5.10 – EXTERIOR ELEVATIONS

    a. See attached revised Drawing Sheet 5.10 at elevations for modifications to face brick veneer and insulated spandrel glass.

    b. See attached revised Drawing Sheet 5.10 at opening details, revising inclusion of weather barrier and extents within respective assemblies.

8. DRAWING SHEET 5.50 – ROOF PLAN

    a. See attached revised Drawing Sheet 5.50, adding a hatched region that delineates existing roof membrane to remain.

9. DRAWING SHEET 6.10 – BASEMENT REFLECTED CEILING PLAN

    a. See attached revised Drawing Sheet 6.10, revising extents of existing ceiling removal and reinstallation

10. DRAWING SHEET 7.20 - CASEWORK SECTIONS

a. See attached revised Drawing 7.20, revising countertop edge profile at Jail Admin Counter (19/7.20) to a square self-edge.

MECHANICAL ITEMS:

SPECIFICATIONS ITEMS:

1. SECTION 230900 – AUTOMATIC TEMPERATURE CONTROLS

    a. SEQUENCE OF OPERATION

        i. Add: Carbon Monoxide Sensor: Provide a CO sensor at the Intake 126 room located on the south wall. If CO is senses, initiate an alarm at the BAS. The sensor shall be a non-industrial type, suitable for installation in a finished room and shall have a protective metal cage around it.

2. SECTION 220600 – HEATING

    a. WATER TREATMENT

        i. Only softened water may be used for flushing and cleaning. Portable exchange softeners shall be provided by the Contractor. Premix glycol solution is specified, but if mixed on site, softened and de-ionized water shall be used. Raw tap water may not be used under any circumstance.

DRAWING ITEMS:

1. DRAWING SHEET 8.11 – SCHEDULES

    a. On the Rooftop Unit Schedule: For RTU-4 and RTU-5, change note 3 to read "…MINIMUM 5K SCCR RATED…." in lieu of 65k SCCR rated.

2. DRAWING SHEET 8.30 – UNDERFLOOR PLAN – PLUMBING

    a. At the plumbing chase between Acc. Holding 139 and Holding 140: The wall and chase have changed slightly allowing for a larger chase. Shift and reconfigure the waste and vent piping to accommodate the revised fixture layout. The piping and connections are all the same, just shifted slightly. The revised drawing will be issued in a conformance set after bidding.

3. DRAWING SHEET 8.32 – FIRST FLOOR PLAN – PLUMBING & HEATING

    a. At the plumbing chase between Acc. Holding 139 and Holding 140: The wall and chase have changed slightly allowing for a larger chase. Shift and reconfigure the waste, vent, hot water, and cold water piping to accommodate the revised fixture layout. The piping and connections are all the same, just shifted slightly. The revised drawing will be issued in a conformance set after bidding.

    b. Add this note: AT THE COLD AND HOT WATER PIPES SERVING BOTH CELLS, PROVIDE MOTORIZED DOMESTIC WATER SHUT OFF VALVES. VALVES SHALL BE 120V, TWO POSITION, AND RATED FOR DOMESTIC USE. VALVES MAY BE SOLENOID OR MOTORIZED BALL VALVE TYPE. SHUT OFF TIME SHALL BE LESS THAN 10 SECONDS. VALVE BY DIV 22. WIRING AND SWITCH BY DIV 26. SOLENOID TYPE VALVES SHALL BE ASCO 8210, OR

EQUAL. PROVIDE ISOLATION VALVES AND UNIONS UPSTREAM OF MOTORIZED VALVES.

c. Reminder that there is significant division 220600 work involved in the temperature controls alternate, involving installing temperature control valves and providing autoflow/strainer/iso valve kits at existing heater. See drawings for more details.

4. DRAWING SHEET 8.41 – FIRST FLOOR PLAN – VENTILATION AND A/C

   a. At Storage 128:

      i. Shift the dryer vent to be exposed along the block wall in lieu of inside the wall.

      ii. Shift the FCU-1A to line up with the adjacent ductwork

      iii. As shown, no fire dampers are needed at the walls of this room even though it has a rating. There is an exception in the code.

   b. Corridor 137:

      i. Shift the dashed line representing the smoke compartment to run along the wall with the door and fire/smoke dampers.

5. DRAWING SHEET 8.42 – FIRST FLOOR PLAN – TEMPERATURE CONTROL ALTERNATE

   a. See revised drawing sheet 8.42, incorporating the added temperature control layout and design.

ELECTRICAL ITEMS:

DRAWING ITEMS:

1. DRAWING SHEET 9.31 – BASEMENT FLOOR PLAN – POWER & SIGNAL

   a. In reference to Keynote #2, change "(4) Cat 6" reference to "(4) Cat 6A" for telecom backbone cabling between racks in order align with telecom specifications.

   b. In reference to the existing courthouse main electrical room, provide new duct smoke detectors and connections to new fire alarm system for both existing air handling units in the room. Provide necessary fire alarm relays for units to shutdown upon fire alarm.

2. DRAWING SHEET 9.33 – FIRST FLOOR PLAN – POWER & SIGNAL

   a. In reference to Keynote #11, delete "cabling by ECI" reference. Security camera cabling shall be by electrical contractor as indicated in General Note C.

   b. In reference to General Note G, provide cabling for all secure access doors in lieu of just the exterior doors. Applies to all locations shown with card readers (CR) and door release electric strikes or powered hinges (DR).

   c. In reference to Training 189, room to be used temporarily for dispatch during construction to accommodate phasing. Provide (2) quadplex receptacles on south wall

fed from spare circuit breakers in panels in basement below and (2) 8D telecom outlets on south wall. Prior to installation, review outlet locations with owner to align with temporary dispatch workstation layout.

d. In reference to General Note F, reminder to coordinate quantities and locations of fire/smoke dampers with mechanical drawings and contractors for required electrical connections. There are (3) in the Sheriff's building.
    i. Fire/smoke dampers are specified to be 120V and will require fire alarm relays for shutdown upon specific conditions listed in the mechanical building automation system (BAS) smoke control sequence.
    ii. The fire/smoke dampers will require their own typical dedicated duct detector within 5 feet of each damper.
e. In reference to Keynote 12, change to read, "PROVIDE PILOT LIGHT SWITCH AND ELECTRICAL CONNECTIONS 24V/120V WATER SOLENOIDS AT HOLDING CELL PLUMBING CHASE. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR." Move pilot switch controlling solenoid valves to Intake 136 area.
f. In reference to Deputy 192, add pilot switch above the counter by the sink for control of exhaust fan EF-192.
g. In reference to RR191 area, delete motor symbols shown on background.

3. DRAWING SHEET 9.40 – ELECTRICAL SYMBOLS AND ABBREVIATIONS

    a. See revised mechanical equipment schedule

4. DRAWING SHEET 9.41 – POWER RISER DIAGRAM

    a. In reference to the Sheriff building existing electrical service, keynote #4 shall indicate that the electrical contractor shall provide a 150A/3P circuit breaker in the existing MDP to serve new Panel PP-R1.

    b. In reference to the Sheriff building existing electrical service, **include $30k allowance** earmarked for potential upgrade of existing 400A ATS and electrical service to 600A to better accommodate added loads for building and spare future capacity for any additional equipment.

        i. For clarification - The existing 120/208V, 400A, electrical service in the Sheriff's office building was measured for amp draw during normal operation and found to have approx. 108 amps of load. The outdoor temperature was too cold to turn on cooling equipment. With cooling equipment loads and the new panel PP-R1 amps added to the baseline, it is anticipated that the load on the service will be in the range of 360 amps. The final load will need to be measured during construction during warmer months to confirm assumptions. Start-delay on mechanical equipment settings in the building automation system may be required and shall be assessed during construction. Settings may need to be changed to accommodate generator loading under emergency conditions to load shed to be below the maximum 400A output of the existing generator.

    c. Courthouse:

        i. For clarification - The existing 480/277V, 800A, electrical service in the courthouse building was measured for amp draw during normal operation and found to have approx. 181 amps of load. The outdoor temperature was too cold to turn on cooling equipment. With cooling equipment loads and the new panel

LF amps added to the baseline, it is anticipated that the load on the service will be in the range of 415 amps. The final load will need to be measured during construction during warmer months to confirm assumptions. Settings will need to be changed to accommodate generator loading under emergency conditions for load shedding to be below the maximum 400A output of the existing generator.

GENERAL APPROVALS:
The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

SECTION	ITEM	MANUFACTURER
119869	Detention Padded Surface System	Marathon Engineering Corporation – Gold Metal Safety Padding
034100	Precast Structural Concrete	Molin
230800	Roof Top Units	Tempmaster
230800	VAV and FPVAV boxes	Greenheck/Metalaire, Anemostat
230800	Louvers	United Enertech
230800	Fan Coil Unit / Condensing Unit	Hitachi
230800	Testing and Balancing	Balcon
265119	LED Lighting	
	Type B	New Star, Viscor
	Type C/CE	Halo
	Type F	New Star, Viscor
	Type H	AFX, Brownlee
	Type J	Startek
	Type K	AFX
	Type L/LE	Startek
	Type Y/YEG	NLS

END OF ADDENDUM

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes administrative and procedural requirements governing allowances.

1. Certain materials and equipment are specified in the Contract Documents by allowances. In some cases, these allowances include installation. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. If necessary, additional requirements will be issued by Change Order.

B. Types of allowances include the following:

1. Lump-sum allowances.

C. Related Sections include the following:

1. Divisions 01 through 33 Sections for items of Work covered by allowances.

1.3 SELECTION AND PURCHASE

A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.

B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.

C. Purchase products and systems selected by Architect from the designated supplier.

1.4 ALLOWANCES

A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include freight and delivery to Project site.

B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials [**ordered by Owner**] [**selected by Architect**] under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.5 UNUSED MATERIALS

A. Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.

1. If requested by Architect, prepare unused material for storage by Owner when it is not economically practical to return the material for credit. If directed by Architect, deliver unused material to Owner's storage space. Otherwise, disposal of unused material is Contractor's responsibility.

1.6 ADJUSTMENT OF ALLOWANCES

A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.

1. Include installation costs in purchase amount only where indicated as part of the allowance.
2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.

B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.

1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

A. Allowance No. 1: Include an Electrical Allowance of [**$30,000**] for upgrade of the Sheriff building electrical service.

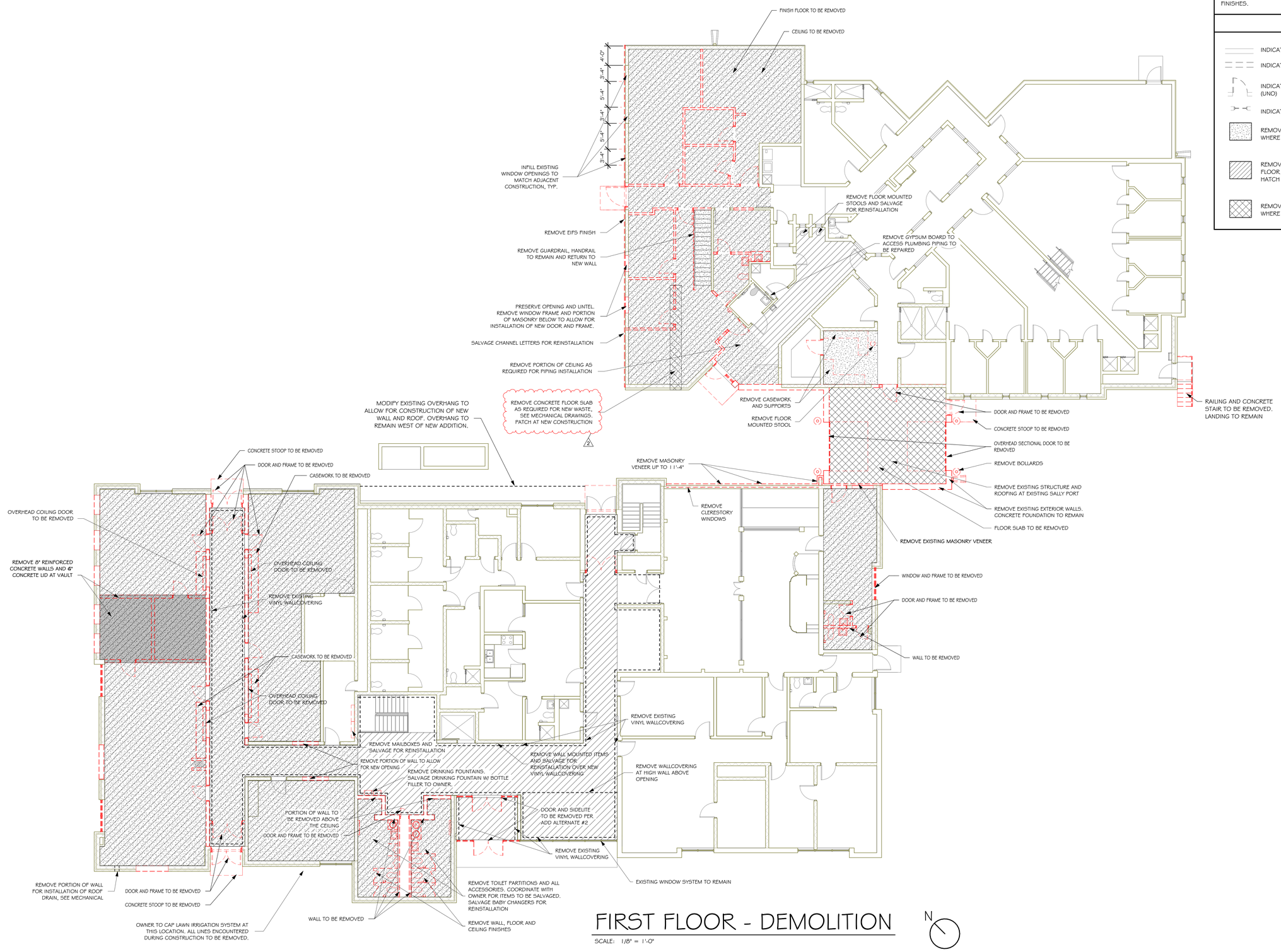
END OF SECTION 012100

GENERAL NOTES - DEMOLITION

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE FLOOR SLAB AND CEILING DEMOLITION WITH MECHANICAL AND ELECTRICAL DRAWINGS. GENERAL CONTRACTOR SHALL REMOVE FLOOR SLABS AND CEILINGS AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW MECHANICAL AND ELECTRICAL SYSTEMS. PATCH CONCRETE SLABS AND CEILINGS BACK TO MATCH ADJACENT FINISHES.

DEMOLITION LEGEND

- INDICATES EXISTING ITEMS TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED. (UNO)
- INDICATES WINDOW TO BE REMOVED. (UNO)
- REMOVE EXISTING CEILING, OR PORTION OF CEILING, WHERE THIS HATCH IS INDICATED.
- REMOVE EXISTING FLOOR FINISH, OR PORTION OF FLOOR FINISH, AND ASSOCIATED BASE WHERE THIS HATCH IS INDICATED.
- REMOVE AND DISPOSE OF CONCRETE FLOOR SLAB WHERE THIS HATCH IS INDICATED.



FIRST FLOOR - DEMOLITION

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

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REG. NO. 11392
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project: UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents: DEMOLITION FLOOR PLAN

number 0728.2893.20
date February 27, 2026
drawn ZJG checked ADE

REVISIONS

DATE	DESCRIPTION
3/20/2026	ADDENDUM #2

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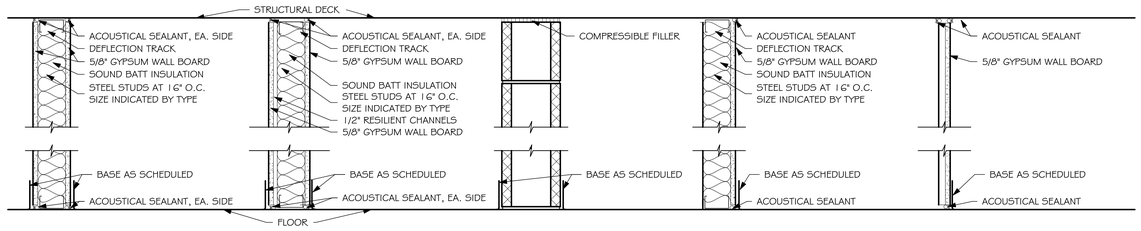
WALL TYPES

◇ INDICATED THUS ON FLOOR PLANS

NOTE: SCRIBE GYPSUM BOARD TO FLUTES OF STEEL DECK AND SEAL OR FILL FLUTES OF STEEL DECK WITH BATT INSULATION



A3 - 3 5/8" STEEL STUDS
A6 - 6" STEEL STUDS

D3 - 3 5/8" STEEL STUD SOUND WALL
D6 - 6" STEEL STUD SOUND WALL

G4 - 4" CMU
G6 - 6" CMU
G8 - 8" CMU

F1 - 1 5/8" STEEL STUDS
F3 - 3 5/8" STEEL STUDS
F6 - 6" STEEL STUDS

J1 - 7/8" HAT CHANNEL

GENERAL NOTES - FLOOR PLAN

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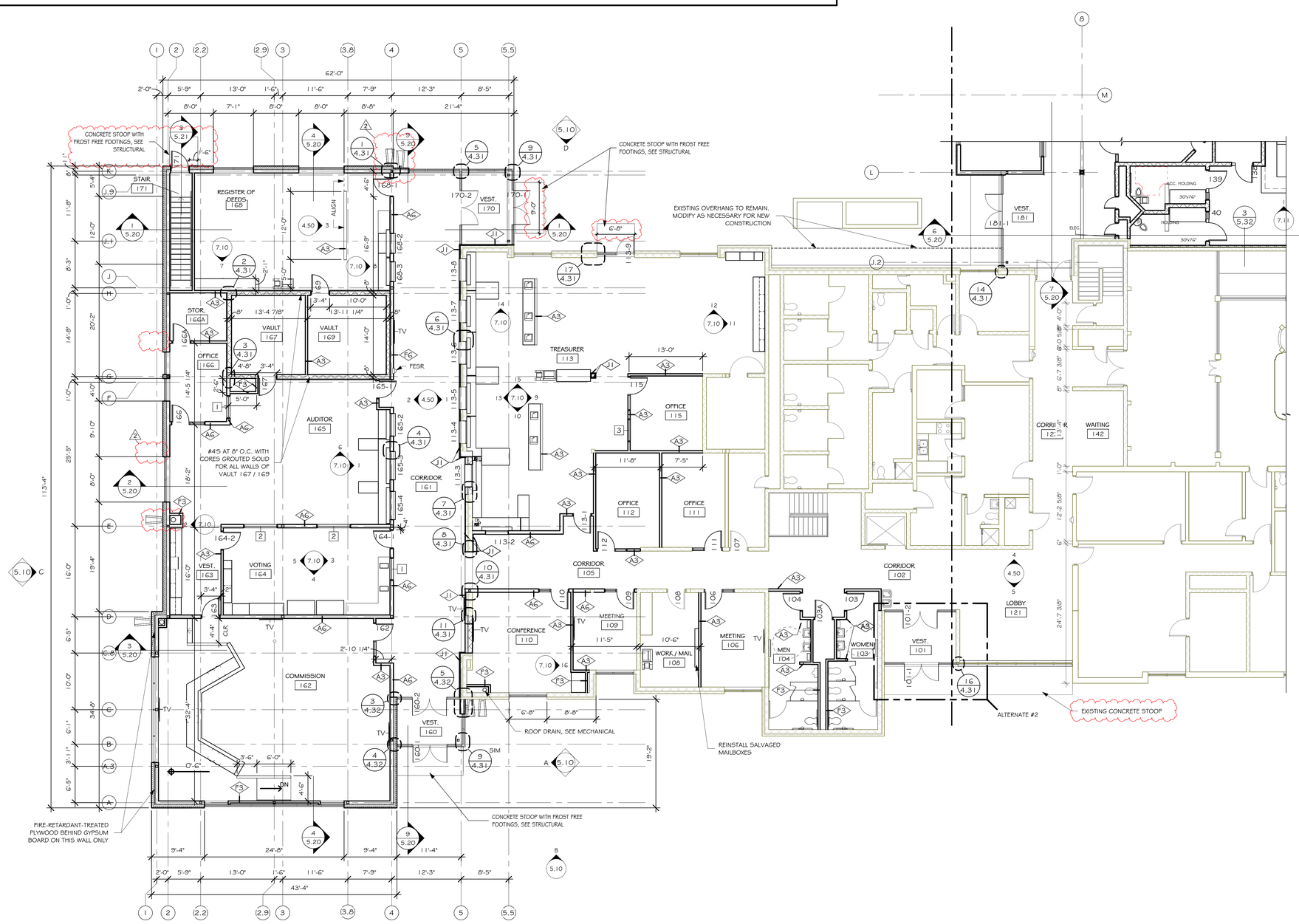
B. REFER TO SHEET 4.11 FOR WALL TYPES.
C. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



FIRST FLOOR - AREA A

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

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project
UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
FIRST FLOOR PLAN - AREA A

number 0728.2893.20
date February 27, 2026
drawn ZJG checked ADE

REVISIONS

DATE	DESCRIPTION
3/20/2026	ADDENDUM #2

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GENERAL NOTES - FLOOR PLAN

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B. REFER TO SHEET 4.11 FOR WALL TYPES.
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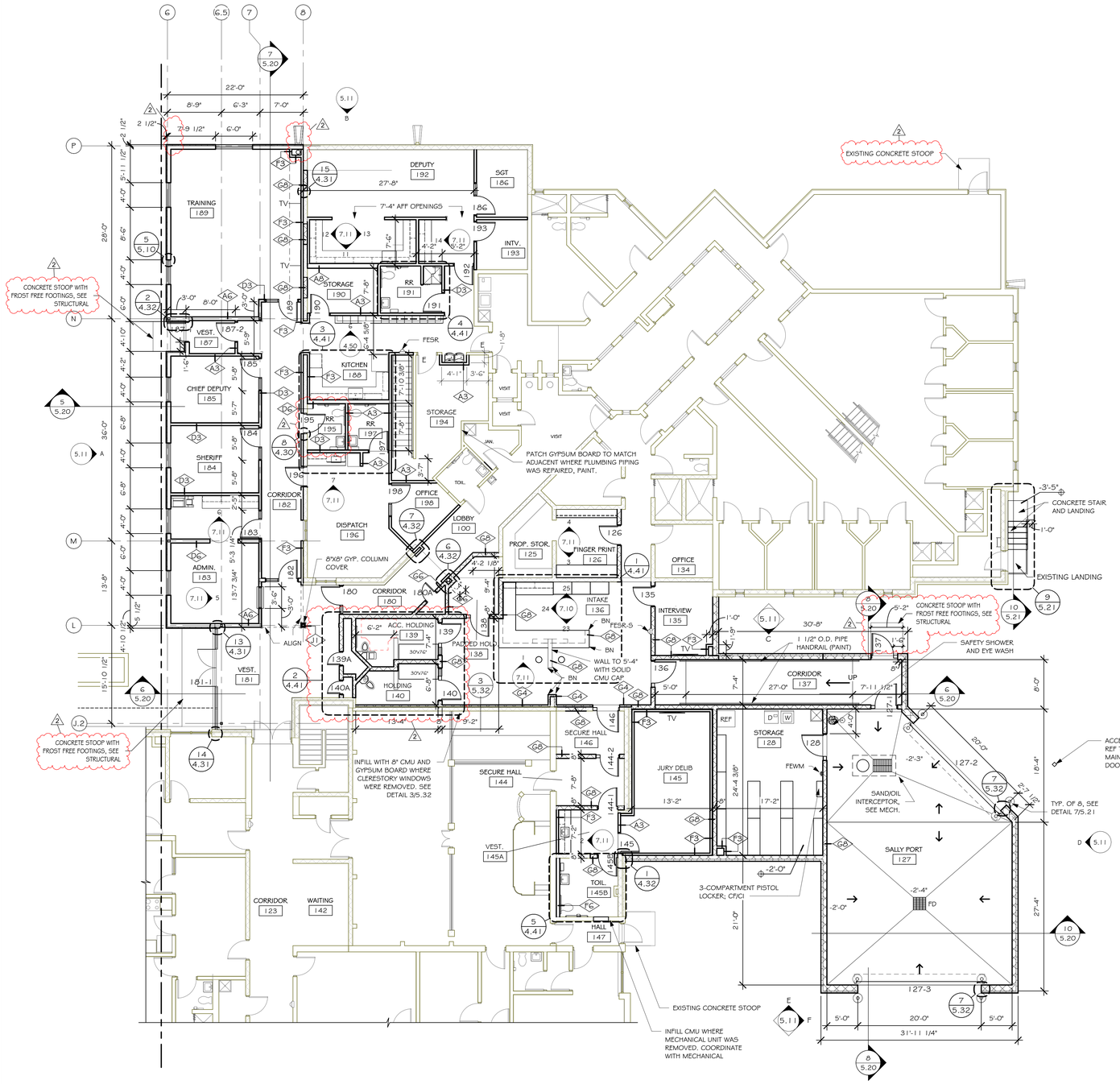

FIRST FLOOR AREA B

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

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UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
FIRST FLOOR PLAN - AREA B

number 0728.2893.20
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REVISIONS	
DATE	DESCRIPTION
3/20/2026	ADDENDUM #2

4.12

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DOOR SCHEDULE - AREA A

	DOOR							TRANSOM GLASS	SIDELITE GLASS	FRAME					HARDWARE GROUP	ADDITIONAL NOTES
	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	FIRE	GLASS			TYPE	MATERIAL	HEAD DETAIL	JAMB DETAIL	JAMB DEPTH		
002-1	3'-0"	7'-0"	A	HM	PAINT					1	HM	1/4.30	2/4.30	5 3/4"	21	
003	3'-0"	7'-0"	A	HM	PAINT					1	HM	1/4.30	2/4.30	5 3/4"	4	
004	3'-0"	7'-2"	A	HM	PAINT					1	HM	1/4.30	2/4.30	5 3/4"	5	
005	3'-0"	7'-2"	A	HM	PAINT					1	HM	1/4.30	2/4.30	5 3/4"	8	
006-1	3'-0"	7'-0"	A	HM	PAINT					EXIST	HM	-	-	-	23	EXISTING HM FRAME AND DOOR
006-2	3'-0"	7'-2"	A	SCWOOD	STAIN					EXIST	HM	9/4.30	10/4.30	5 3/4"	24	EXISTING HM FRAME AND DOOR RELOCATED
007	3'-0"	7'-2"	A	SCWOOD	STAIN					1	HM	14/4.30	15/4.30	5 3/4"	16	ELECTRIC STRIKE / CARD READER
041-1	3'-0"	7'-2"	A	HM	PAINT					1	HM	16/4.30	17/4.30	5 3/4"	16	ELECTRIC STRIKE / CARD READER
042	3'-0"	7'-0"	A	HM	PAINT	90 MIN				2	HM	9/4.30	10/4.30	5 3/4"	16	ELECTRIC STRIKE / CARD READER
101-1	6'-0"	7'-10"	BB	ALUM	ANODIZE		1" INSUL 5FTY	1" INSL	1" INSL 5FTY	16/5.11	ALUM		14 16/4.31	4 1/2"	1	(ADD ALT #2) ELECTRIC STRIKE / CARD READER / POWER DOOR OPERATOR
101-2	6'-0"	7'-10"	BB	ALUM	ANODIZE		1/4" 5FTY	1/4" CLEAR	1/4" 5FTY	17/5.11	ALUM			4 1/2"	2	(ADD ALT #2) POWER DOOR OPERATOR
103	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	3	
103A	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	4	
104	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	3	
106	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	14/4.30	15/4.30	5 3/4"	5	ELECTRIC STRIKE / CARD READER / 4" HEAD AT HM FRAME
107	3'-0"	7'-0"	A	SCWOOD	STAIN					EXIST	HM	-	-	-	22	EXISTING HM FRAME,EXISTING ELECTRIC STRIKE / CARD READER, PROVIDE NEW DOOR AND HARDWARE
108	3'-0"	7'-0"	A	SCWOOD	STAIN					EXIST	HM	-	-	-	22	EXISTING HM FRAME,EXISTING ELECTRIC STRIKE / CARD READER, PROVIDE NEW DOOR AND HARDWARE
109	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	3/4.30	4/4.30	7 1/4"	5	ELECTRIC STRIKE / CARD READER
110	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	3/4.30	4/4.30	7 1/4"	5	ELECTRIC STRIKE / CARD READER
111	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	14/4.30	15/4.30	5 3/4"	5	ELECTRIC STRIKE / CARD READER / 4" HEAD AT HM FRAME
112	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	1/4.30	2/4.30	5 3/4"	5	ELECTRIC STRIKE / CARD READER
113-1	3'-0"	7'-0"	C	SCWOOD	STAIN		1/4" 5FTY			1	HM	1/4.30	2/4.30	5 3/4"	5	ELECTRIC STRIKE / CARD READER
113-2	4'-0"	5'-0"	E	ALUM	CLEAR ANODIZED					--	-	9/4.50	4/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-3	4'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	10/4.50	7/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-4	4'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	10/4.50	6/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-5	4'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	10/4.50	6/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-6	4'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	10/4.50	6/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-7	4'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	10/4.50	6/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-8	4'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	10/4.50	6/4.31	-	--	OVERHEAD COILING COUNTER DOOR
113-9	3'-0"	7'-10"	B	ALUM	ANODIZE		1" INSUL 5FTY		1" INSL 5FTY	11/5.11	ALUM		17/4.31	4 1/2"	6	
115	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	4	HM	1/4.30	2/4.30	5 3/4"	7	
160-1	6'-0"	7'-10"	BB	ALUM	ANODIZE		1" INSUL 5FTY	1" INSL	1" INSL 5FTY	5/5.11	ALUM	11/5.31	4/4.32	4 1/2"	1	ELECTRIC STRIKE / CARD READER / POWER DOOR OPERATOR
160-2	6'-0"	7'-10"	BB	ALUM	ANODIZE		1/4" 5FTY	1/4" CLEAR	1/4" 5FTY	6/5.11	ALUM	10/5.10	3,5/4.32	4 1/2"	2	POWER DOOR OPERATOR
162	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	4	HM	1/4.30	2/4.30	5 3/4"	13	ELECTRIC STRIKE / CARD READER
163	3'-0"	7'-0"	C	SCWOOD	STAIN		1/4" 5FTY			1	HM	3/4.30	4/4.30	8 1/4"	14	
164-1	3'-0"	7'-0"	C	SCWOOD	STAIN		1/4" 5FTY			1	HM	3/4.30	4/4.30	8 1/4"	5	ELECTRIC STRIKE / CARD READER
164-2	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	15	
165-1	3'-0"	7'-0"	C	SCWOOD	STAIN		1/4" 5FTY			1	HM	1/4.30	2/4.30	5 3/4"	13	ELECTRIC STRIKE / CARD READER
165-2	4'-0"	5'-0"	E	ALUM	CLEAR ANODIZED					--	-	8,9/4.50	4/4.31	-	--	OVERHEAD COILING COUNTER DOOR
165-3	5'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	7/4.50	4/4.31	-	--	OVERHEAD COILING COUNTER DOOR
165-4	5'-0"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	7/4.50	4/4.31	-	--	OVERHEAD COILING COUNTER DOOR
166	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	3/4.30	4/4.30	8 1/4"	7	
166A	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	15	
167	3'-0"	7'-0"	A	HM	PAINT	90 MIN				2	HM	7/4.30	8/4.30	5 3/4"	16	ELECTRIC STRIKE / CARD READER
168-1	3'-0"	7'-0"	C	SCWOOD	STAIN		1/4" 5FTY			1	HM	3/4.30	4/4.30	8 1/4"	5	ELECTRIC STRIKE / CARD READER
168-2	3'-6"	5'-0"	E	ALUM	CLEAR ANODIZED					--	-	8/4.50	4/4.31	-	--	
168-3	3'-6"	4'-6"	E	ALUM	CLEAR ANODIZED					--	-	7/4.50	4/4.31	-	--	
169	3'-0"	7'-0"	A	HM	PAINT	90 MIN				2	HM	7/4.30	8/4.30	5 3/4"	16	ELECTRIC STRIKE / CARD READER
170-1	6'-0"	7'-10"	BB	ALUM	ANODIZE		1" INSUL 5FTY	1" INSL	1" INSL 5FTY	2/5.11	ALUM	11/5.31	9/4.31	4 1/2"	1	ELECTRIC STRIKE / CARD READER / POWER DOOR OPERATOR
170-2	6'-0"	7'-10"	BB	ALUM	ANODIZE		1/4" 5FTY	1/4" CLEAR	1/4" 5FTY	3/5.11	ALUM	10/5.10	5/4.31	4 1/2"	2	POWER DOOR OPERATOR
171	3'-0"	7'-0"	A	INSUL HM	PAINT					2	INSUL HM	1/5.10 SIM	2/5.10 SIM	5 3/4"	9	

DOOR SCHEDULE - AREA B

	DOOR							TRANSOM GLASS	SIDELITE GLASS	FRAME					HARDWARE GROUP	ADDITIONAL NOTES
	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	FIRE	GLASS			TYPE	MATERIAL	HEAD DETAIL	JAMB DETAIL	JAMB DEPTH		
126	3'-0"	7'-0"	A	HM	PAINT					2	HM	9/4.30	10/4.30	5 3/4"	8	
127-2	20'-0"	12'-0"	F	INSUL STEEL	PREFINISHED					-	-	6/5.32	7/5.32	-	-	OVERHEAD COILING DOOR / SILL DETAIL 8/5.32
127-3	20'-0"	12'-0"	F	INSUL STEEL	PREFINISHED					-	-	6/5.32	7/5.32	-	-	OVERHEAD COILING DOOR / SILL DETAIL 8/5.32
135	3'-0"	7'-0"	A	HM	PAINT					2	HM	9/4.30	10/4.30	5 3/4"	8	
139A	2'-0"	7'-0"	A	SCWOOD	PAINT					2	HM	9/4.30	10/4.30	5 3/4"	4	
140A	2'-0"	7'-0"	A	SCWOOD	PAINT					2	HM	9/4.30	10/4.30	5 3/4"	4	
144-1	3'-0"	7'-0"	A	SCWOOD	STAIN					2	HM	9/4.30	10/4.30	5 3/4"	10	DOOR VIEWERS
145	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	1/4.32	5 3/4"	12	SOUND GASKET
145B	3'-0"	7'-0"	A	SCWOOD	STAIN					2	HM	9/4.30	10/4.30	5 3/4"	11	
180	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	3/4.30	4/4.30	8 1/4"	17	ELECTRIC STRIKE / CARD READER
180A	2'-0"	7'-0"	A	SCWOOD	PAINT					2	HM	3/4.30	4/4.30	5 3/4"	4	
181-1	6'-0"	7'-10"	BB	ALUM	ANODIZE		1" INSUL 5FTY	1" INSL	1" INSL 5FTY	12/5.11	ALUM	4/5.10	13,14/4.31	4 1/2"	1	ELECTRIC STRIKE / CARD READER / POWER DOOR OPERATOR
182	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	3/4.30	4/4.30	8 1/4"	17	ELECTRIC STRIKE / CARD READER
183	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	5/4.30	6/4.30	6 3/8"	5	ELECTRIC STRIKE / CARD READER
184	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	5/4.30	6/4.30	6 3/8"	5	ELECTRIC STRIKE / CARD READER
185	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	5/4.30	6/4.30	6 3/8"	5	ELECTRIC STRIKE / CARD READER
186	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	5/4.30	6/4.30	6 3/8"	5	ELECTRIC STRIKE / CARD READER
187-1	3'-0"	7'-0"	C	INSUL HM	PAINT		1" INSUL 5FTY			1	INSUL HM	4/5.10 SIM	2/4.32	5 3/4"	18	ELECTRIC STRIKE / CARD READER
187-2	3'-0"	7'-0"	C	HM	PAINT		1/4" 5FTY			1	HM	1/4.30	2/4.30	5 3/4"	15	
189	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	5/4.30	6/4.30	6 3/8"	5	ELECTRIC STRIKE / CARD READER
190	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	8	
191	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	11	
192	3'-0"	7'-0"	C	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	5	ELECTRIC STRIKE / CARD READER
193	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	1/4.30	2/4.30	5 3/4"	15	
195	3'-0"	7'-0"	A	SCWOOD	STAIN					2	HM	7/4.30	8/4.30	5 3/4"	11	
196	3'-0"	7'-0"	C	SCWOOD	STAIN					2	HM	7/4.30	8/4.30	5 3/4"	16	ELECTRIC STRIKE / CARD READER
197	3'-0"	7'-0"	A	SCWOOD	STAIN					1	HM	5/4.30	6/4.30	6 3/8"	11	
198	3'-0"	7'-0"	A	SCWOOD	STAIN				1/4" 5FTY	3	HM	1/4.30	2/4.30	6 3/8"	7	

DOOR SCHEDULE - DETENTION

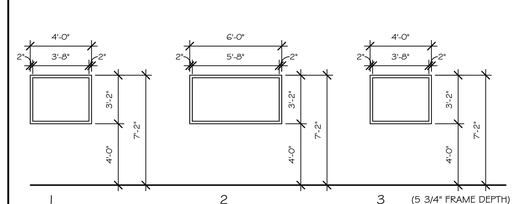
	DOOR							TRANSOM GLASS	SIDELITE GLASS	FRAME					HARDWARE GROUP	ADDITIONAL NOTES
	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	FIRE	GLASS			TYPE	MATERIAL	HEAD DETAIL	JAMB DETAIL	JAMB DEPTH		
127-1	3'-6"	7'-0"	G	DHM	PAINT	60 MIN	FESG			5	DHM	11/4.30	12/4.30	5 3/4"	55	
128	3'-6"	7'-0"	G	DHM	PAINT	60 MIN	FESG			5	DHM	11/4.30	12/4.30	5 3/4"	56	
136	3'-6"	7'-0"	G	DHM	PAINT		SG			5	DHM	11/4.30	12/4.30	5 3/4"	53	
137	3'-6"	7'-0"	G	DHM	PAINT	2	SG			5	DHM	11/4.30 SIM	12/4.30 SIM	5 3/4"	57	
138	3'-0"	7'-0"	H	DHM	PAINT		SG			5	DHM	11/4.30	12/4.30	5 3/4"	52	
139	3'-2"	7'-0"	H	DHM	PAINT		SG		SG	6	DHM	11/4.30	12/4.30	5 3/4"	51	
140	3'-2"	7'-0"	H	DHM	PAINT		SG		SG	6	DHM	11/4.30	12/4.30	5 3/4"	51	
144-2	3'-0"	7'-0"	G	DHM	PAINT		SG			5	DHM	11/4.30	12/4.30	5 3/4"	53	
146	3'-6"	7'-0"	G	DHM	PAINT	60 MIN	FESG			5	DHM	11/4.30 SIM	12/4.30 SIM	5 3/4"	54	

BORROWED LITE TYPES

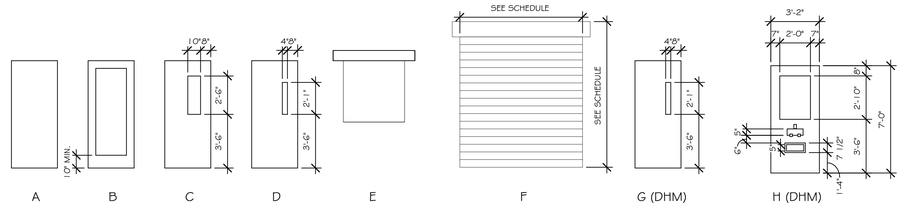
SCALE: 1/4" = 1'-0"

INDICATED THUS ON FLOOR PLANS

NOTE: ALL BORROWED LITE FRAMES TO BE 8 1/4" HOLLOW METAL FRAMES (PAINTED) WITH 2" FACE, (UNO)

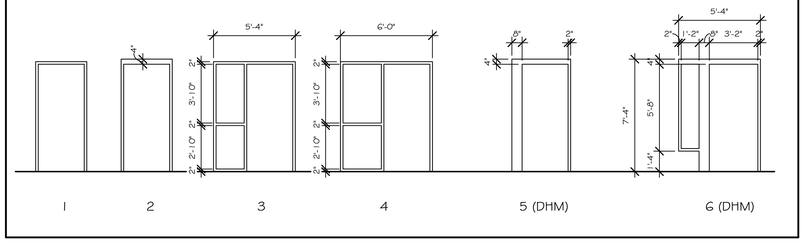


DOOR TYPES

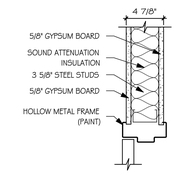


FRAME TYPES

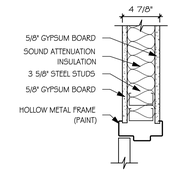
SCALE: 1/4" = 1'-0"



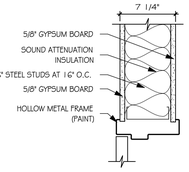
1 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



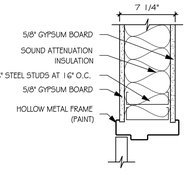
2 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



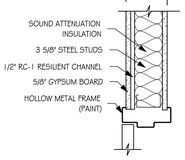
3 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



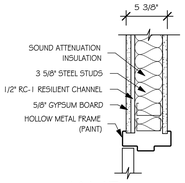
4 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



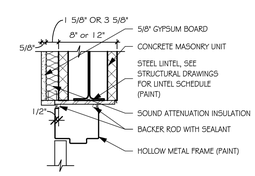
5 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



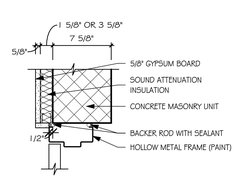
6 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



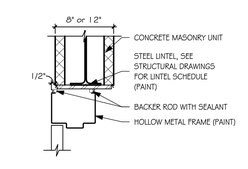
7 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



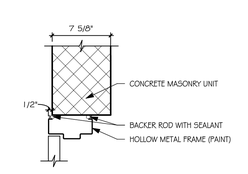
8 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



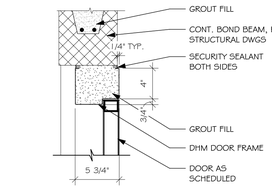
9 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



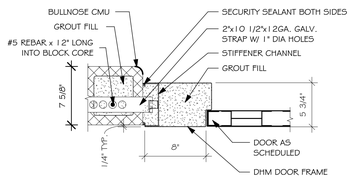
10 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



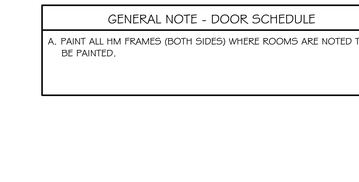
11 HEAD - DHM — 4.30 — SCALE: 1 1/2" = 1'-0"



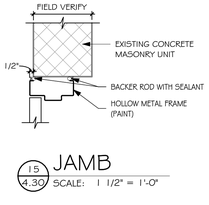
12 JAMB - DHM — 4.30 — SCALE: 1 1/2" = 1'-0"



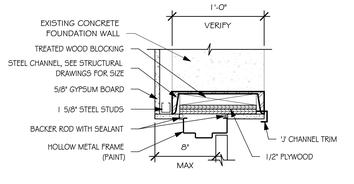
13 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



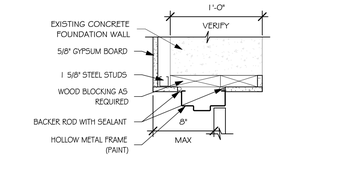
14 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



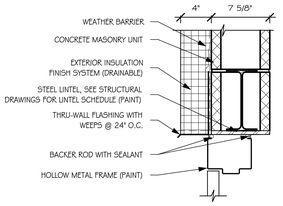
15 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



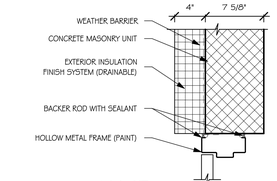
16 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



17 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"



18 HEAD — 4.30 — SCALE: 1 1/2" = 1'-0"



19 JAMB — 4.30 — SCALE: 1 1/2" = 1'-0"

GENERAL NOTE - DOOR SCHEDULE

A. PAINT ALL HM FRAMES (BOTH SIDES) WHERE ROOMS ARE NOTED TO BE PAINTED.

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Phone: (605) 721-1158

State of South Dakota — REG. NO. 11302 — ANDREW D. EISENACH — REGISTERED ARCHITECT

project: UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents: DOOR SCHEDULE / DETAILS / BORROWED LITES

number 0726.2693.20
date February 27, 2026
drawn ZJG checked ADE

REVISIONS	
DATE	DESCRIPTION
3/20/2026	ADDENDUM #2

4.30

3/20/2026 1:50:21 PM

ACCESSORY NOTES

1. SURFACE MOUNTED
2. SEMI-RECESSED
3. FULLY-RECESSED
4. OWNER PROVIDED, OWNER INSTALLED
5. OWNER PROVIDED, CONTRACTOR INSTALLED
6. SEE MECHANICAL SPECIFICATION
7. SEE ACCESSORIES AND MILLWORK DETAILS
8. MOUNT VERTICALLY
9. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS
10. SALVAGED EXISTING, REINSTALLED BY CONTRACTOR
11. EXISTING TO REMAIN

ACCESSORY SYMBOLS

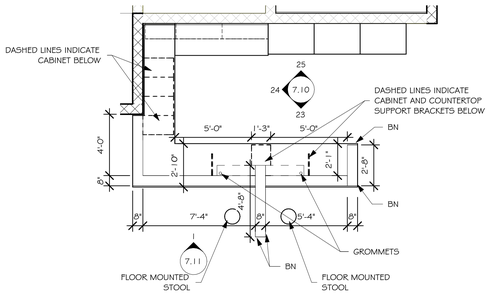
Ⓐ ACCESSORY SYMBOL

GENERAL NOTES - ENLARGED PLANS

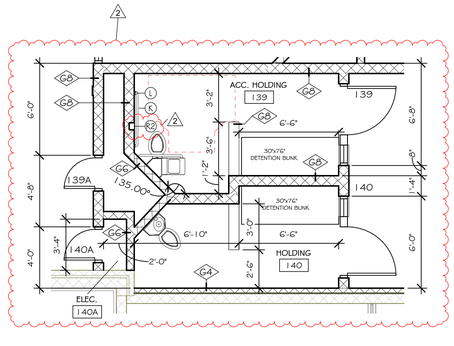
A. SEE SHEET 4.40 FOR FLOOR AND WALL TILE PATTERNS.

ACCESSORY SCHEDULE

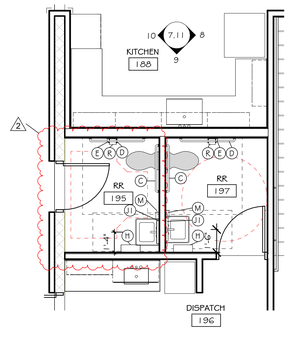
MARK	ACCESSORY	NOTES
A	CEILING MOUNTED TOILET PARTITIONS	
C	1 1/2" O.D. GRAB BAR 36" LONG	1
D	1 1/2" O.D. GRAB BAR 42" LONG	1
E	1 1/2" O.D. GRAB BAR 18" LONG	1, 8
F	SANITARY NAPKIN DISPOSAL - SURFACE MOUNTED	1
H	PAPER TOWEL DISPENSER	1, 5
J1	1'-6"W X 3'-0"H FRAMED MIRROR	1
K	1 1/2" O.D. DETENTION GRAB BAR 42" LONG	1
L	1 1/2" O.D. DETENTION GRAB BAR 18" LONG	1, 8
M	WALL MOUNTED SOAP DISPENSER	1, 5
P	SHOWER CURTAIN WITH STAINLESS STEEL ROD	1
Q2	DOUBLE PRONG HOOK	1
R	TOILET PAPER DISPENSER	1
R2	DETENTION TOILET PAPER HOLDER	3
S	SANITARY NAPKIN DISPENSER	11
T	SHOWER GRAB BAR	6
U	SOLID PHENOLIC FOLDING SHOWER SEAT	6
V	BABYCHANGING STATION	1, 10



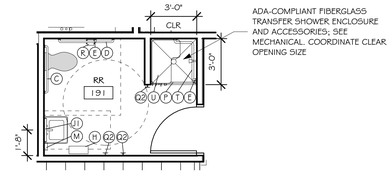
1 / 4.41 ENLARGED BOOKING DESK
SCALE: 1/4" = 1'-0"



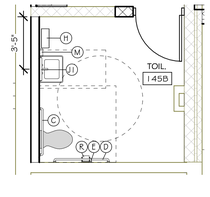
2 / 4.41 ENLARGED HOLDING CELLS
SCALE: 1/4" = 1'-0"



3 / 4.41 ENLARGED RESTROOM 195 & 197
SCALE: 1/4" = 1'-0"



4 / 4.41 ENLARGED RESTROOM 191
SCALE: 1/4" = 1'-0"



5 / 4.41 ENLARGED RESTROOM 145B
SCALE: 1/4" = 1'-0"

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UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
ENLARGED PLANS - JAIL

number 0726.2893.20
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drawn Author checked Checker

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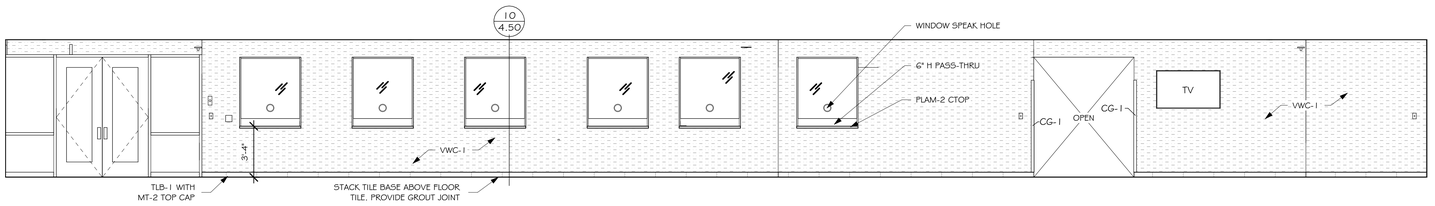
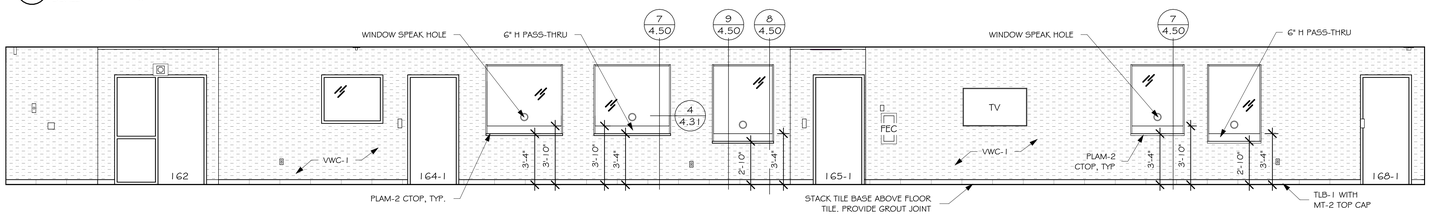
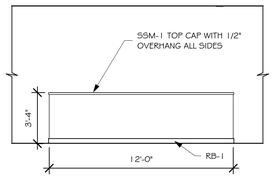


1 / 4.50 161 CORRIDOR EAST
SCALE: 1/4" = 1'-0"



2 / 4.50 161 CORRIDOR WEST
SCALE: 1/4" = 1'-0"



3 / 4.50 REGISTER OF DEEDS SEPARATION WALL
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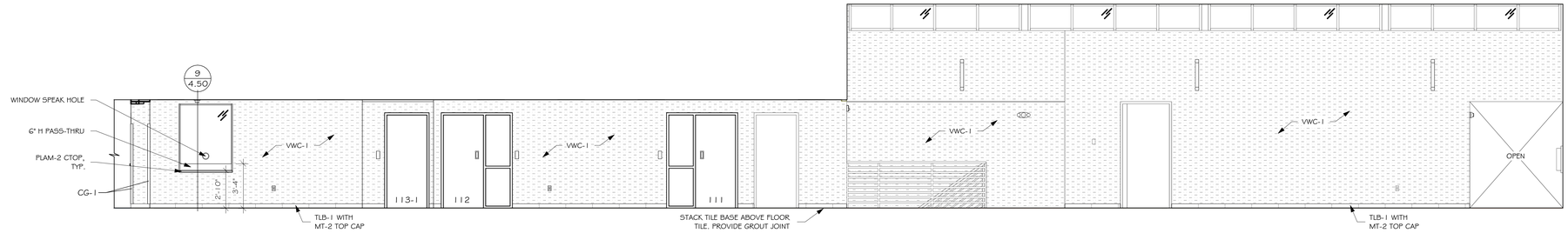
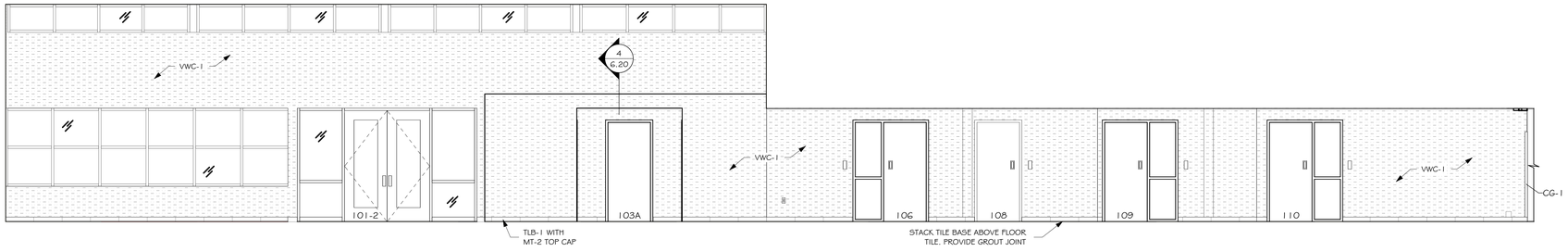
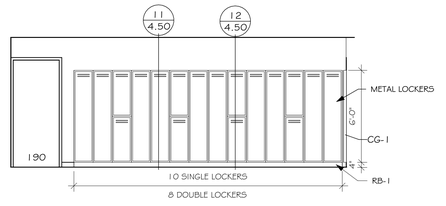


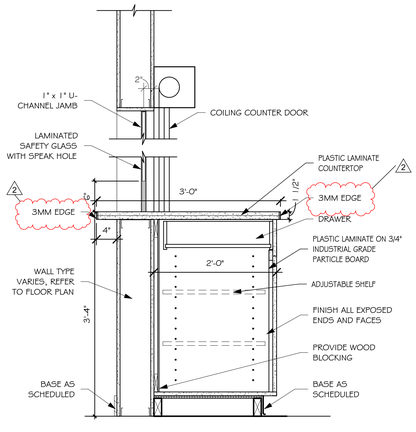
4 / 4.50 102 CORRIDOR - NORTH
SCALE: 1/4" = 1'-0"



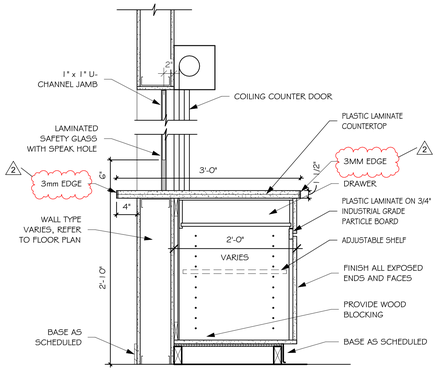
5 / 4.50 102 CORRIDOR - SOUTH
SCALE: 1/4" = 1'-0"



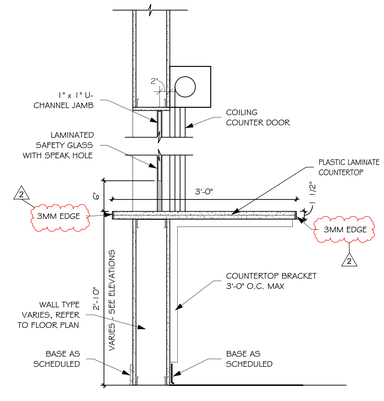
6 / 4.50 JAIL DEPUTY LOCKERS
SCALE: 1/4" = 1'-0"



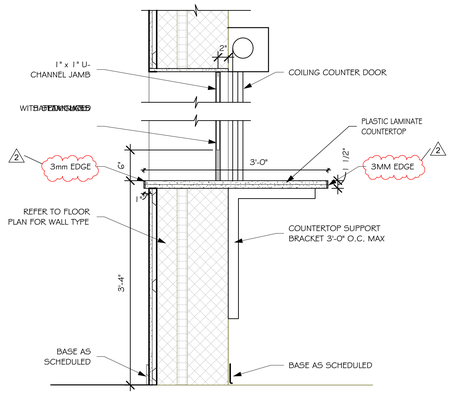
7 / 4.50 PUBLIC WINDOW
SCALE: 1" = 1'-0"



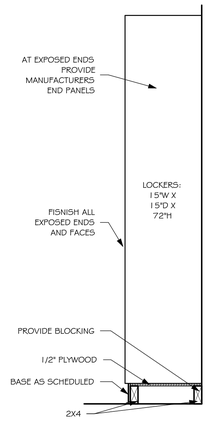
8 / 4.50 PUBLIC WINDOW ADA
SCALE: 1" = 1'-0"



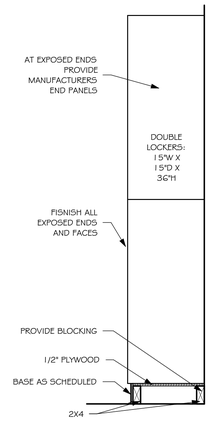
9 / 4.50 PUBLIC WINDOW KNEE SPACE - ADA
SCALE: 1" = 1'-0"



10 / 4.50 PUBLIC WINDOW KNEE SPACE
SCALE: 1" = 1'-0"



11 / 4.50 SINGLE LOCKER
SCALE: 1" = 1'-0"



12 / 4.50 DOUBLE LOCKER
SCALE: 1" = 1'-0"

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UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
INTERIOR ELEVATIONS

number 0726.2893.20
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drawn BJO checked ADE

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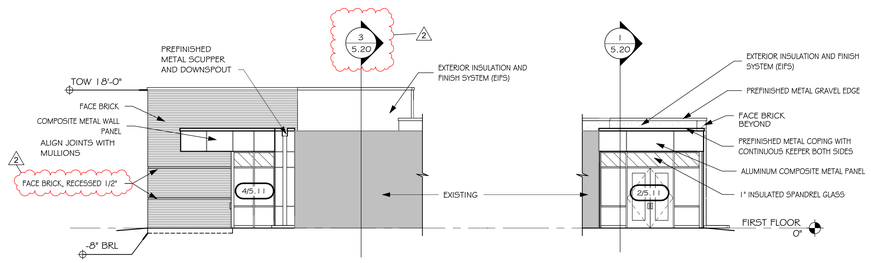
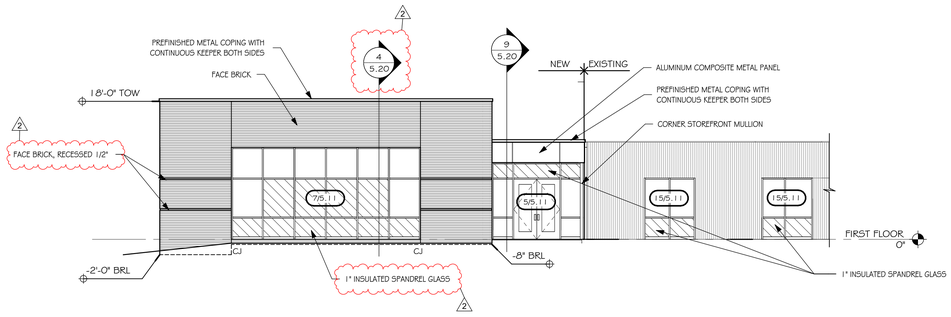
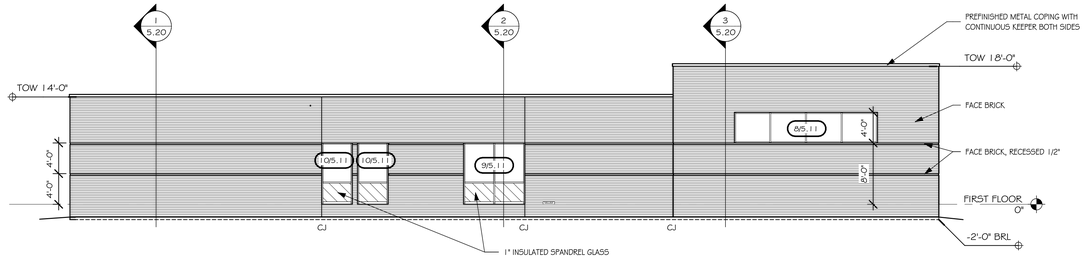


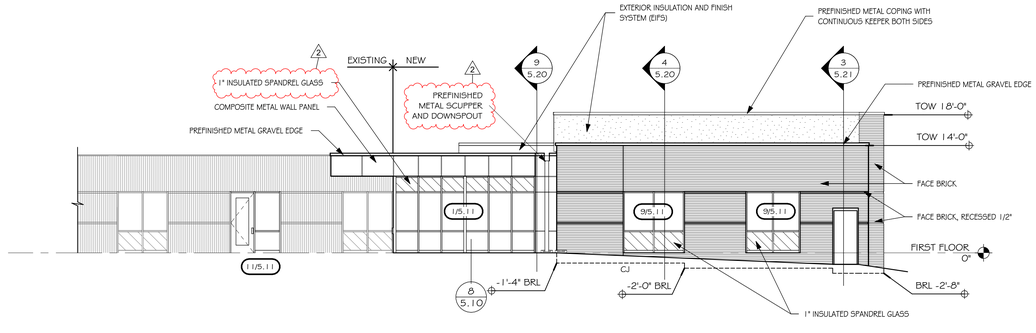
A 5.10 COURTHOUSE - EAST ELEVATION
SCALE: 1/8" = 1'-0"



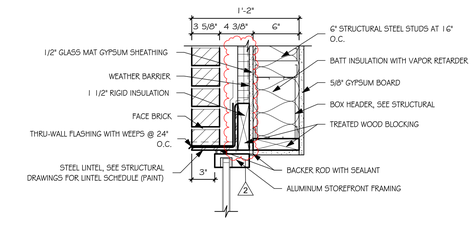
B 5.10 COURTHOUSE - SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



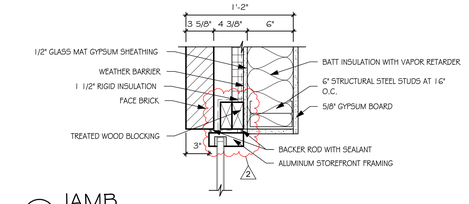
C 5.10 COURTHOUSE - WEST ELEVATION
SCALE: 1/8" = 1'-0"



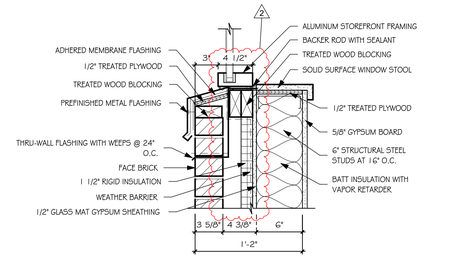
D 5.10 COURTHOUSE - NORTH ELEVATION
SCALE: 1/8" = 1'-0"



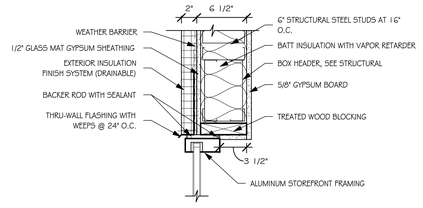
1 5.10 HEAD
SCALE: 1 1/2" = 1'-0"



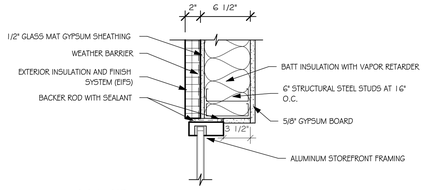
2 5.10 JAMB
SCALE: 1 1/2" = 1'-0"



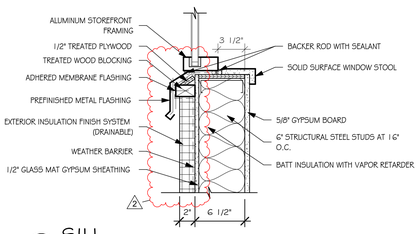
3 5.10 SILL
SCALE: 1 1/2" = 1'-0"



4 5.10 HEAD
SCALE: 1 1/2" = 1'-0"



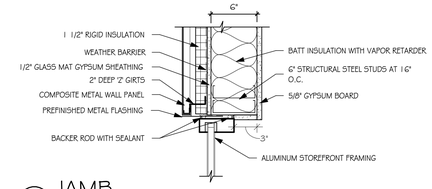
5 5.10 JAMB
SCALE: 1 1/2" = 1'-0"



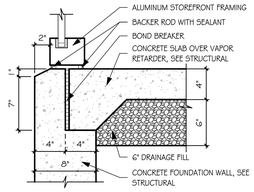
6 5.10 SILL
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

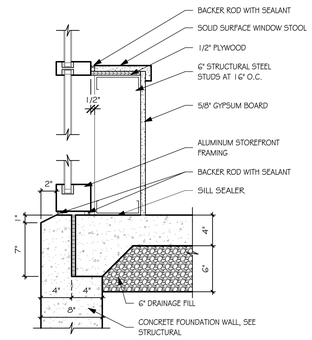
A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.



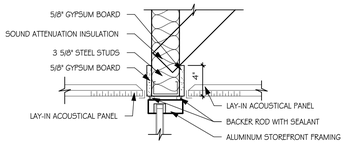
7 5.10 JAMB
SCALE: 1 1/2" = 1'-0"



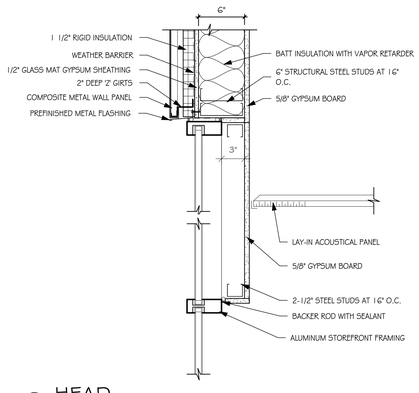
8 5.10 SILL
SCALE: 1 1/2" = 1'-0"



9 5.10 SILL
SCALE: 1 1/2" = 1'-0"



10 5.10 HEAD
SCALE: 1 1/2" = 1'-0"



11 5.10 HEAD
SCALE: 1 1/2" = 1'-0"

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UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
EXTERIOR ELEVATIONS

number 0726.2693.20
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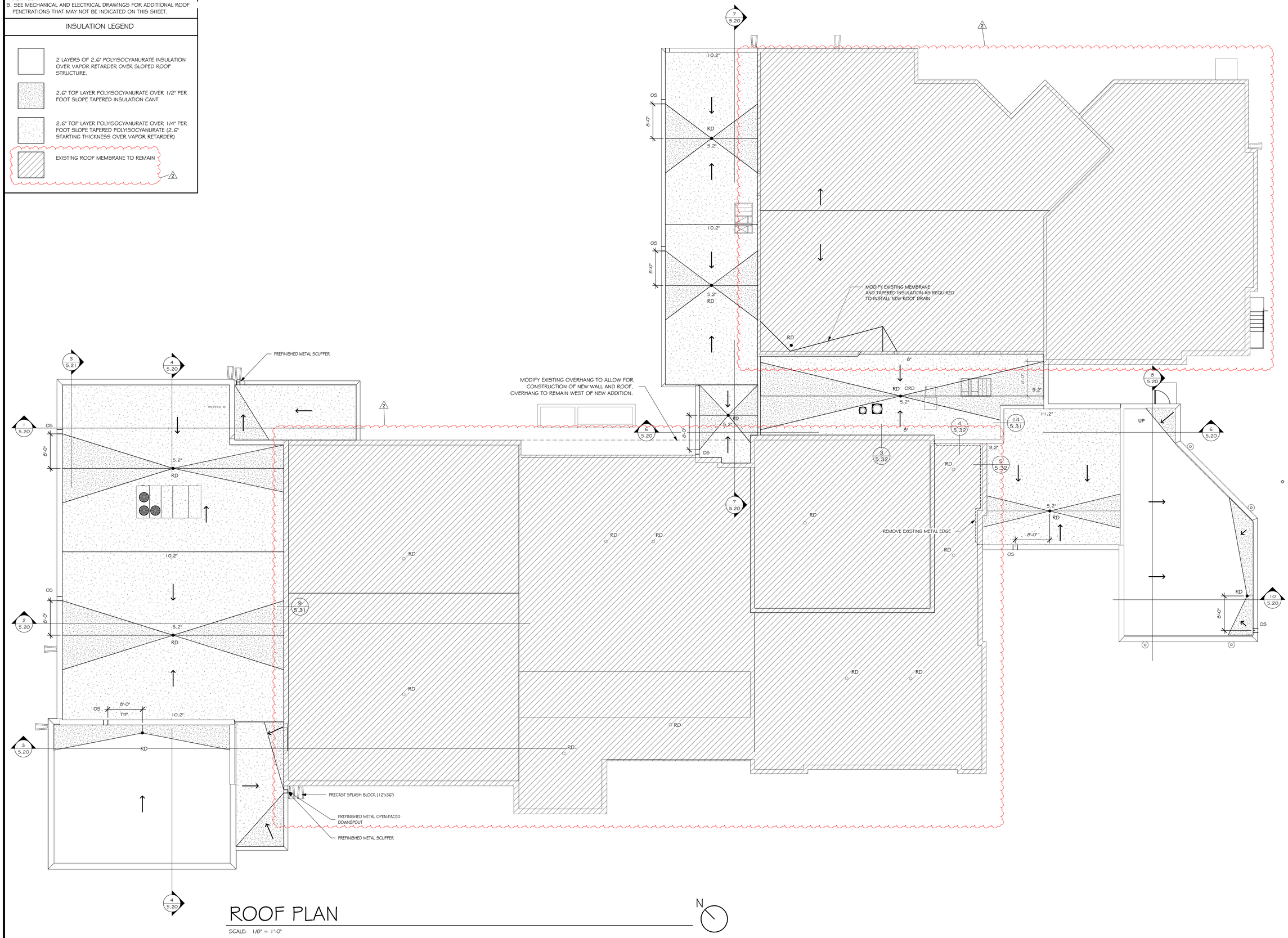
GENERAL NOTES - ROOF PLAN

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
B. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS THAT MAY NOT BE INDICATED ON THIS SHEET.

INSULATION LEGEND

- 2 LAYERS OF 2.6" POLYISOCYANURATE INSULATION OVER VAPOR RETARDER OVER SLOPED ROOF STRUCTURE.
- 2.6" TOP LAYER POLYISOCYANURATE OVER 1/2" PER FOOT SLOPE TAPERED INSULATION CANT
- 2.6" TOP LAYER POLYISOCYANURATE OVER 1/4" PER FOOT SLOPE TAPERED POLYISOCYANURATE (2.6" STARTING THICKNESS OVER VAPOR RETARDER)
- EXISTING ROOF MEMBRANE TO REMAIN (2)



ROOF PLAN

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

N

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ROOF PLAN

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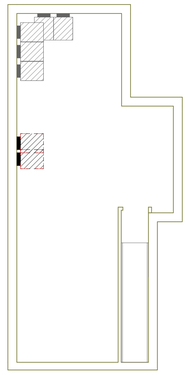

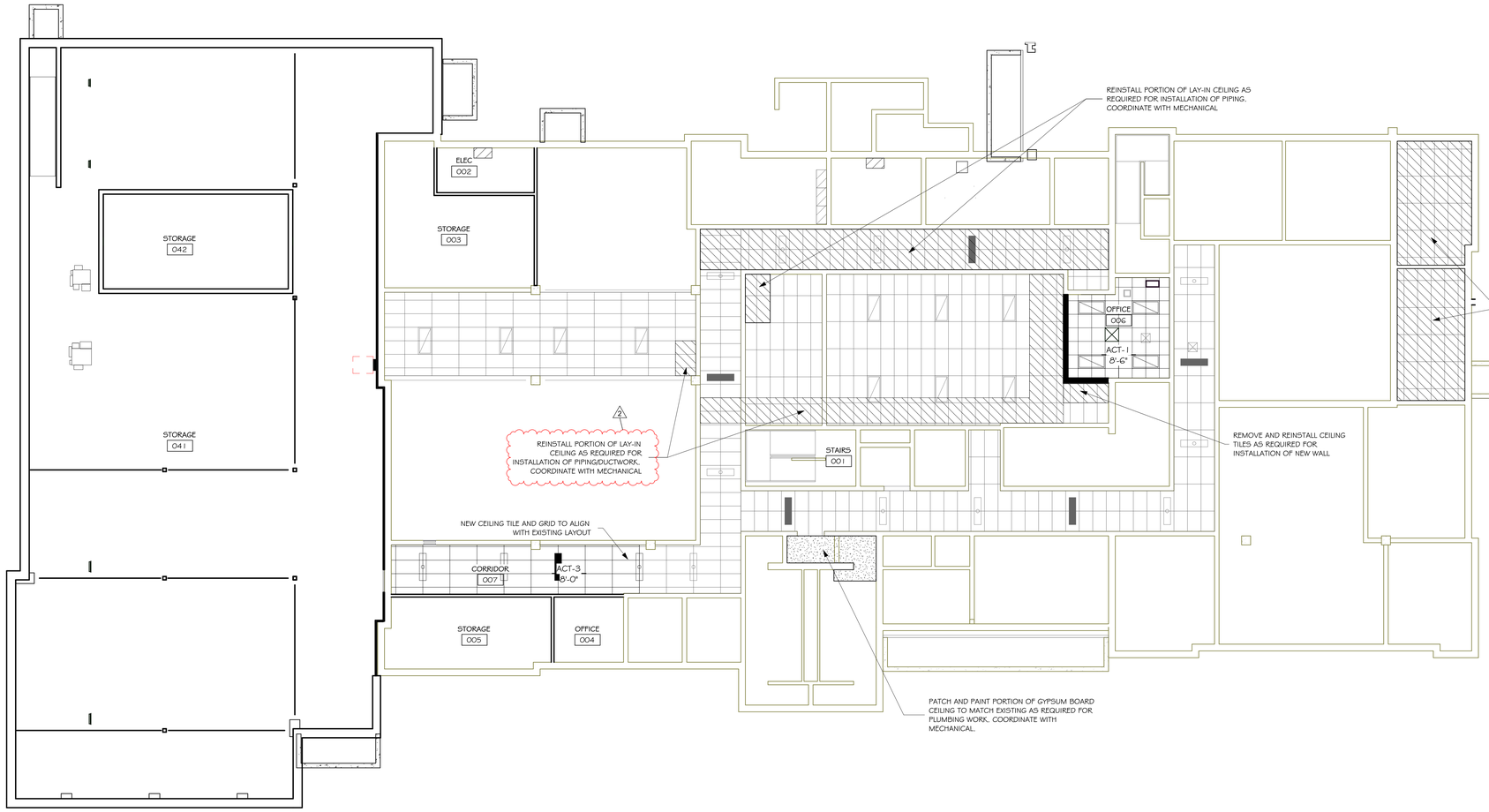

BASEMENT REFLECTED CEILING PLAN

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

N

GENERAL NOTES - REFLECTED CEILING PLAN

A. GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY ARCHITECT OF DISCREPANCIES.
B. ALL BULKHEAD AND SOFFITS SHALL EXTEND 2 INCHES BELOW ADJACENT CEILING HEIGHT UNLESS NOTED OTHERWISE.
C. REFLECTED CEILING PLANS SHOW LOCATIONS OF ITEMS THAT ARE ARCHITECTURALLY SIGNIFICANT ONLY. MECHANICAL AND ELECTRICAL ITEMS INDICATED ARE FOR REFERENCE ONLY. REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS.
D. PAINT HORIZONTAL AND VERTICAL FACES OF SOFFITS SPECIFIED PAINT COLOR, UNLESS NOTED OTHERWISE. REFER TO REFLECTED CEILING PLAN FOR PAINT COLOR.

REFLECTED CEILING PLAN LEGEND

- RECESSED LIGHT
- SURFACE LIGHT
- SURFACE LIGHT
- RECESSED LIGHT
- SUPPLY GRILLE
- RETURN/ EXHAUST GRILLE
- RADIANT HEATING PANEL
- WALL EXTENDED & SEALED TO STRUCTURE ABOVE TO PREVENT AIR/SOUND TRANSFER FROM ROOM TO ROOM
- WALL TO ABOVE CEILING
- SPEAKER

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BASEMENT REFLECTED CEILING PLAN

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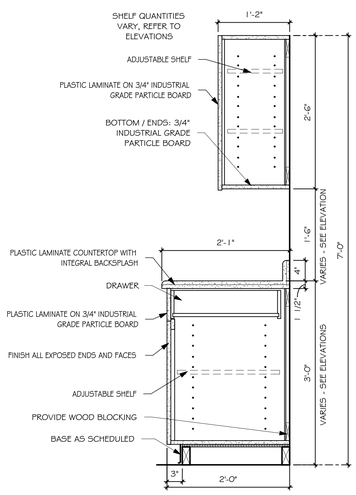
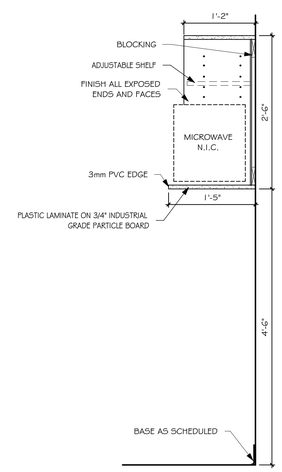


1/7.20 BASE/WALL - TYPICAL
SCALE: 1" = 1'-0"



2/7.20 UPPER - MICROWAVE SHELF
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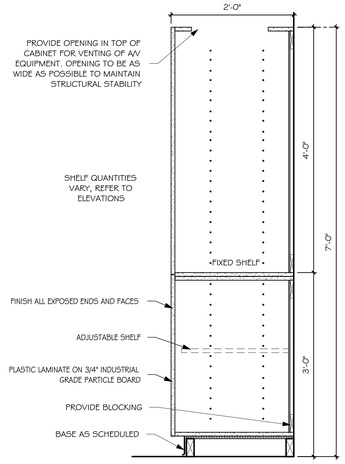
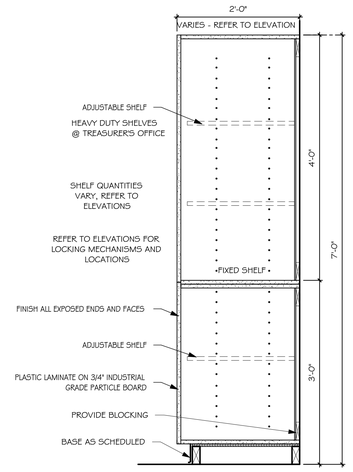
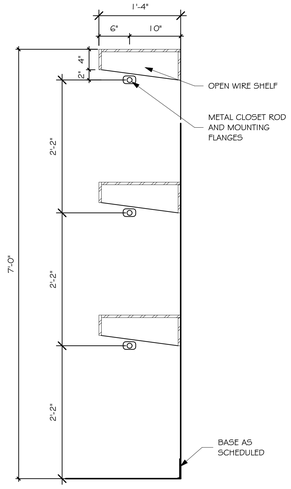


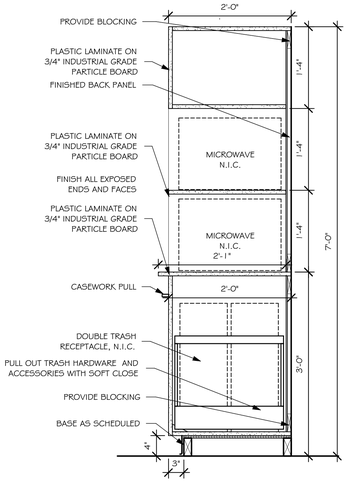
3/7.20 TALL STORAGE AV CABINET
SCALE: 1" = 1'-0"



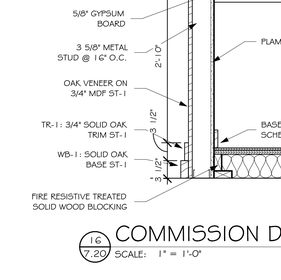
4/7.20 TALL STORAGE
SCALE: 1" = 1'-0"



5/7.20 SHELF & ROD
SCALE: 1" = 1'-0"



6/7.20 TALL STORAGE - MICROWAVE SHELF
SCALE: 1" = 1'-0"



7/7.20 UNDERCOUNTER REF.
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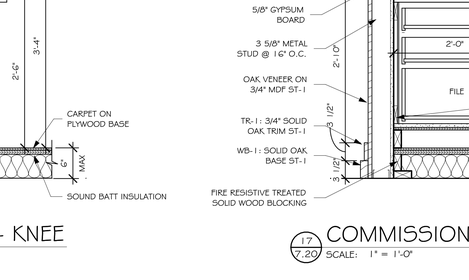

8/7.20 BASE - WALL WITH CAP
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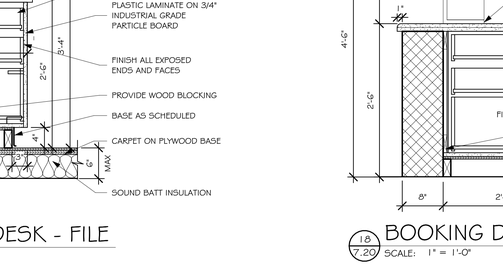

9/7.20 FILE BASE - WALL WITH CAP
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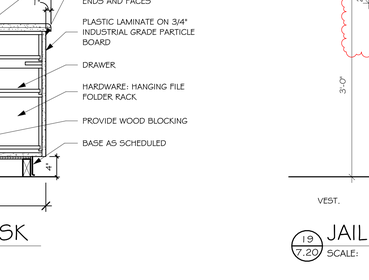

10/7.20 BASE - TRASH IN COUNTER
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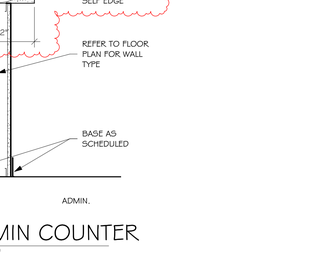

11/7.20 BASE - 4 DRAWER
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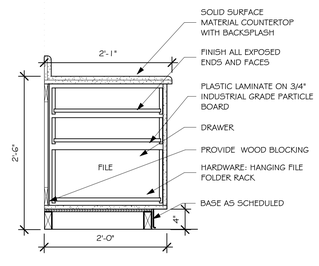

12/7.20 BOOKING DESK
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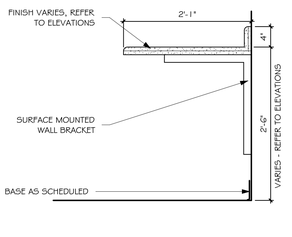

13/7.20 COUNTER - SUPPORT BRACKET
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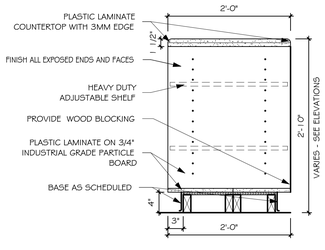

14/7.20 BASE - OPEN SHELVES
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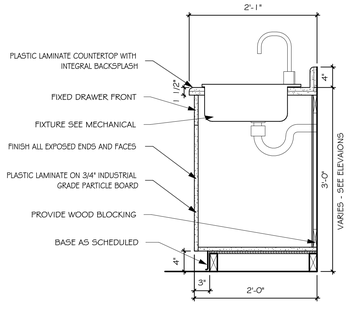

15/7.20 BASE - SINK TYPICAL
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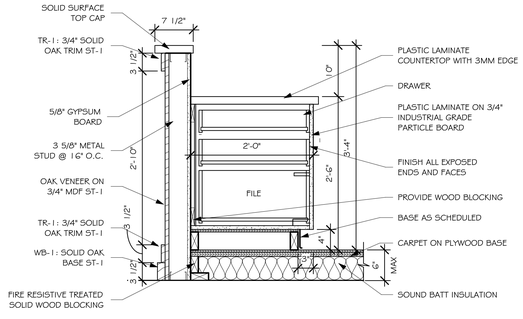
16/7.20 COMMISSION DESK - KNEE
SCALE: 1" = 1'-0"



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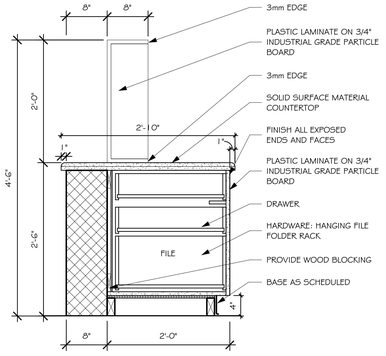

18/7.20 BOOKING DESK
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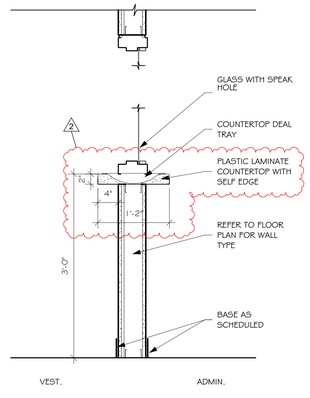

19/7.20 JAIL ADMIN COUNTER
SCALE: 1" = 1'-0"

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State of South Dakota
REG. NO. 11392
ANDREW D. EITREIM
SOUTH DAKOTA
Registered Architect

project
UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
CASEWORK SECTIONS

number 0726.2693.20
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DATE	DESCRIPTION
3/20/2026	ADDENDUM #2

7.20

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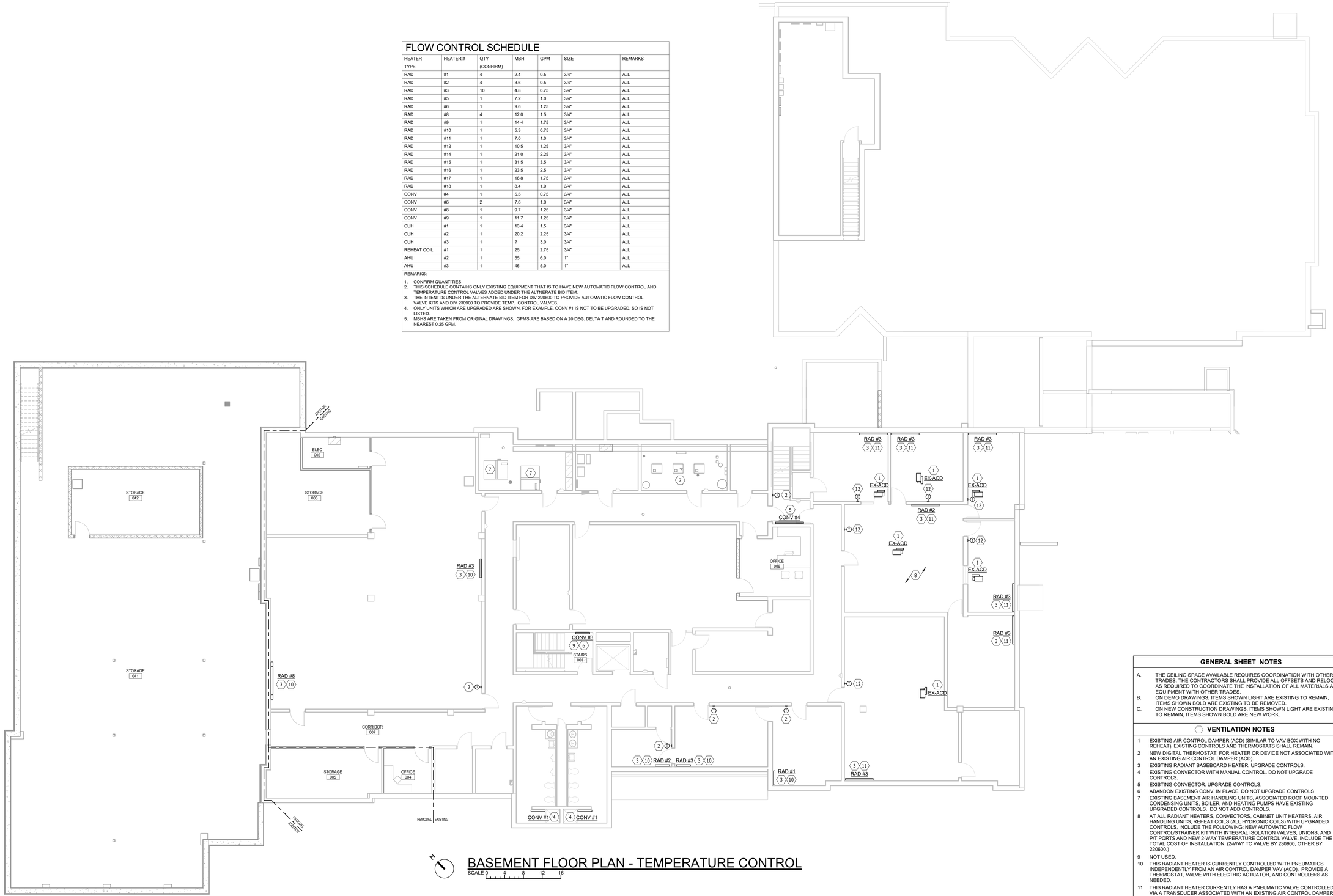
FLOW CONTROL SCHEDULE

HEATER TYPE	HEATER #	QTY (CONFIRM)	MBH	GPM	SIZE	REMARKS
RAD	#1	4	2.4	0.5	3/4"	ALL
RAD	#2	4	3.6	0.5	3/4"	ALL
RAD	#3	10	4.8	0.75	3/4"	ALL
RAD	#5	1	7.2	1.0	3/4"	ALL
RAD	#6	1	9.6	1.25	3/4"	ALL
RAD	#8	4	12.0	1.5	3/4"	ALL
RAD	#9	1	14.4	1.75	3/4"	ALL
RAD	#10	1	5.3	0.75	3/4"	ALL
RAD	#11	1	7.0	1.0	3/4"	ALL
RAD	#12	1	10.5	1.25	3/4"	ALL
RAD	#14	1	21.0	2.25	3/4"	ALL
RAD	#15	1	31.5	3.5	3/4"	ALL
RAD	#16	1	23.5	2.5	3/4"	ALL
RAD	#17	1	16.8	1.75	3/4"	ALL
RAD	#18	1	8.4	1.0	3/4"	ALL
CONV	#4	1	5.5	0.75	3/4"	ALL
CONV	#6	2	7.6	1.0	3/4"	ALL
CONV	#8	1	9.7	1.25	3/4"	ALL
CONV	#9	1	11.7	1.25	3/4"	ALL
CUH	#1	1	13.4	1.5	3/4"	ALL
CUH	#2	1	20.2	2.25	3/4"	ALL
CUH	#3	1	?	3.0	3/4"	ALL
REHEAT COIL	#1	1	25	2.75	3/4"	ALL
AHU	#2	1	55	6.0	1"	ALL
AHU	#3	1	46	5.0	1"	ALL

REMARKS:

1. CONFIRM QUANTITIES
2. THIS SCHEDULE CONTAINS ONLY EXISTING EQUIPMENT THAT IS TO HAVE NEW AUTOMATIC FLOW CONTROL AND TEMPERATURE CONTROL VALVES ADDED UNDER THE ALTNERATE BID ITEM.
3. THE INTENT IS UNDER THE ALTERNATE BID ITEM FOR DIV 220600 TO PROVIDE AUTOMATIC FLOW CONTROL VALVE KITS AND DIV 230900 TO PROVIDE TEMP. CONTROL VALVES.
4. ONLY UNITS WHICH ARE UPGRADED ARE SHOWN, FOR EXAMPLE, CONV #1 IS NOT TO BE UPGRADED, SO IS NOT LISTED.
5. MBHS ARE TAKEN FROM ORIGINAL DRAWINGS. GPMS ARE BASED ON A 20 DEG. DELTA T AND ROUNDED TO THE NEAREST 0.25 GPM.



BASEMENT FLOOR PLAN - TEMPERATURE CONTROL

SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.

B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.

C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

1 EXISTING AIR CONTROL DAMPER (ACD) (SIMILAR TO VAV BOX WITH NO REHEAT). EXISTING CONTROLS AND THERMOSTATS SHALL REMAIN.

2 NEW DIGITAL THERMOSTAT. FOR HEATER OR DEVICE NOT ASSOCIATED WITH AN EXISTING AIR CONTROL DAMPER (ACD).

3 EXISTING RADIANT BASEBOARD HEATER. UPGRADE CONTROLS.

4 EXISTING CONVECTOR WITH MANUAL CONTROL. DO NOT UPGRADE CONTROLS.

5 EXISTING CONVECTOR. UPGRADE CONTROLS.

6 ABANDON EXISTING CONV. IN PLACE. DO NOT UPGRADE CONTROLS

7 EXISTING BASEMENT AIR HANDLING UNITS, ASSOCIATED ROOF MOUNTED CONDENSING UNITS, BOILER, AND HEATING PUMPS HAVE EXISTING UPGRADED CONTROLS. DO NOT ADD CONTROLS.

8 AT ALL RADIANT HEATERS, CONVECTORS, CABINET UNIT HEATERS, AIR HANDLING UNITS, REHEAT COILS (ALL HYDRONIC COILS) WITH UPGRADED CONTROLS, INCLUDE THE FOLLOWING: NEW AUTOMATIC FLOW CONTROL/STRAINER KIT WITH INTEGRAL ISOLATION VALVES, UNIONS, AND P/T PORTS AND NEW 2-WAY TEMPERATURE CONTROL VALVE. INCLUDE THE TOTAL COST OF INSTALLATION. (2-WAY TC VALVE BY 230900, OTHER BY 220600.)

9 NOT USED.

10 THIS RADIANT HEATER IS CURRENTLY CONTROLLED WITH PNEUMATICS INDEPENDENTLY FROM AN AIR CONTROL DAMPER VAV (ACD). PROVIDE A THERMOSTAT, VALVE WITH ELECTRIC ACTUATOR, AND CONTROLLERS AS NEEDED.

11 THIS RADIANT HEATER CURRENTLY HAS A PNEUMATIC VALVE CONTROLLED VIA A TRANSDUCER ASSOCIATED WITH AN EXISTING AIR CONTROL DAMPER (ACD). PROVIDE A VALVE WITH ELECTRIC ACTUATOR AND WIRING TO THE EXISTING CONTROLLER ONLY.

12 EXISTING THERMOSTAT FOR EXISTING AIR CONTROL DAMPER (ACD) AND ASSOCIATED RADIANT HEATER. THERMOSTAT LOCATION SHALL REMAIN UNLESS OTHERWISE NOTED.

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project: UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents: BASEMENT FLOOR PLAN - TEMPERATURE CONTROL ALTERNATE

number 0726.2893.20
date February 27, 2026
drawn DDK checked RVB

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03-20-26	Addendum 2

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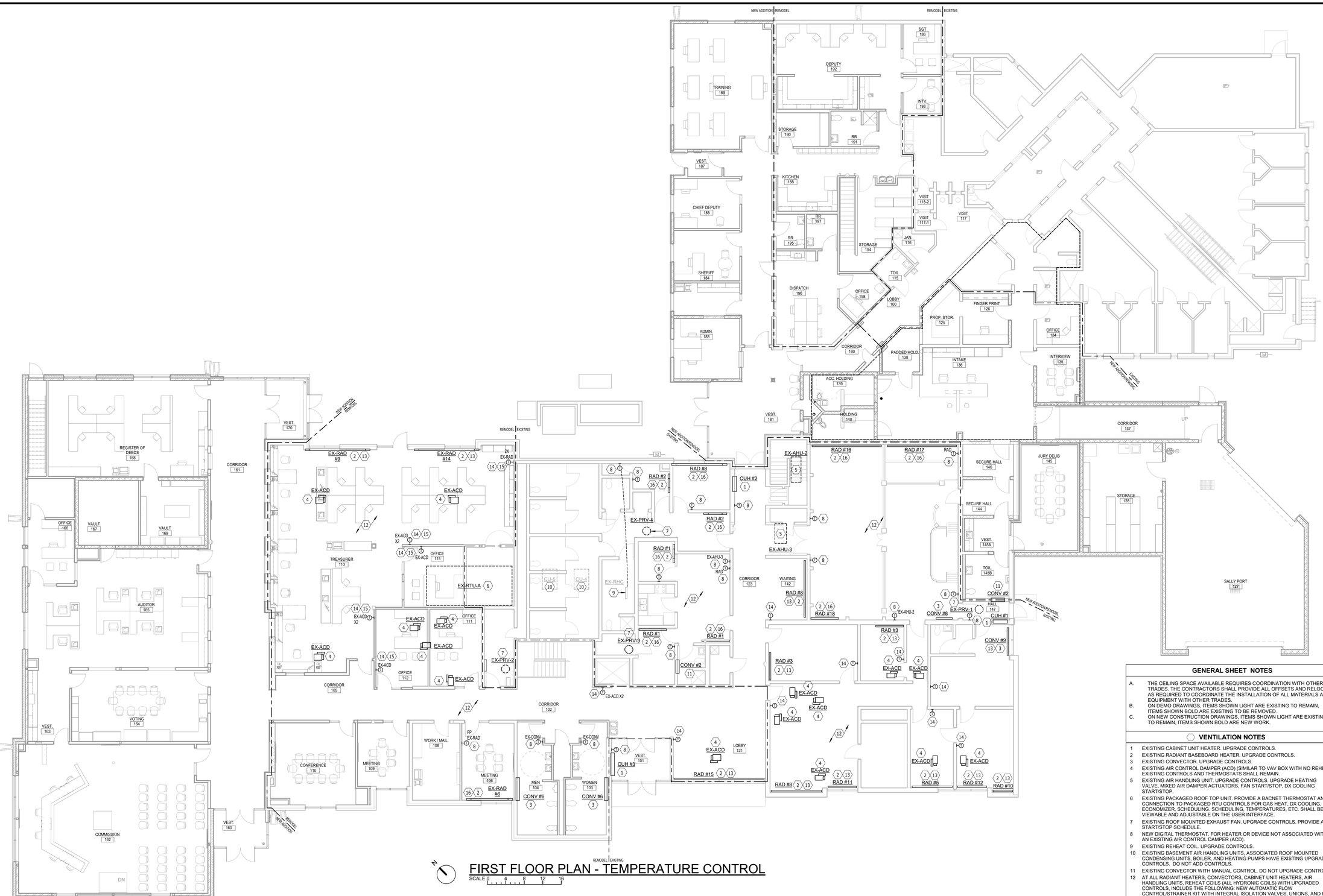

FIRST FLOOR PLAN - TEMPERATURE CONTROL

SCALE 0 4 8 12 16

GENERAL SHEET NOTES

A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

1 EXISTING CABINET UNIT HEATER. UPGRADE CONTROLS.
2 EXISTING RADIANT BASEBOARD HEATER. UPGRADE CONTROLS.
3 EXISTING CONVECTOR. UPGRADE CONTROLS.
4 EXISTING AIR CONTROL DAMPER (ACD) (SIMILAR TO VAV BOX WITH NO REHEAT). EXISTING CONTROLS AND THERMOSTATS SHALL REMAIN.
5 EXISTING AIR HANDLING UNIT. UPGRADE CONTROLS. UPGRADE HEATING VALVE, MIXED AIR DAMPER ACTUATORS, FAN START/STOP, DX COOLING START/STOP.
6 EXISTING PACKAGED ROOF TOP UNIT. PROVIDE A BACNET THERMOSTAT AND CONNECTION TO PACKAGED RTU CONTROLS FOR GAS HEAT, DX COOLING, ECONOMIZER, SCHEDULING. SCHEDULING, TEMPERATURES, ETC. SHALL BE VIEWABLE AND ADJUSTABLE ON THE USER INTERFACE.
7 EXISTING ROOF MOUNTED EXHAUST FAN. UPGRADE CONTROLS. PROVIDE A START/STOP SCHEDULE.
8 NEW DIGITAL THERMOSTAT. FOR HEATER OR DEVICE NOT ASSOCIATED WITH AN EXISTING AIR CONTROL DAMPER (ACD).
9 EXISTING REHEAT COIL. UPGRADE CONTROLS.
10 EXISTING BASEMENT AIR HANDLING UNITS, ASSOCIATED ROOF MOUNTED CONDENSING UNITS, BOILER, AND HEATING PUMPS HAVE EXISTING UPGRADED CONTROLS. DO NOT ADD CONTROLS.
11 EXISTING CONVECTOR WITH MANUAL CONTROL. DO NOT UPGRADE CONTROLS.
12 AT ALL RADIANT HEATERS, CONVECTORS, CABINET UNIT HEATERS, AIR HANDLING UNITS, REHEAT COILS (ALL HYDRONIC COILS) WITH UPGRADED CONTROLS, INCLUDE THE FOLLOWING: NEW AUTOMATIC FLOW CONTROL/STRAINER KIT WITH INTEGRAL ISOLATION VALVES, UNIONS, AND P/T PORTS AND NEW 2-WAY TEMPERATURE CONTROL VALVE. INCLUDE THE TOTAL COST OF INSTALLATION. (2-WAY TC VALVE BY 230900, OTHER BY 220600.)
13 THIS RADIANT HEATER CURRENTLY HAS A PNEUMATIC VALVE CONTROLLED VIA A TRANSDUCER ASSOCIATED WITH AN EXISTING AIR CONTROL DAMPER (ACD). PROVIDE A VALVE WITH ELECTRIC ACTUATOR AND WIRING TO THE EXISTING CONTROLLER ONLY.
14 EXISTING THERMOSTAT FOR EXISTING AIR CONTROL DAMPER (ACD) AND ASSOCIATED RADIANT HEATER. THERMOSTAT LOCATION SHALL REMAIN UNLESS OTHERWISE NOTED.
15 RELOCATED EXISTING THERMOSTAT.
16 THIS RADIANT HEATER IS CURRENTLY CONTROLLED WITH PNEUMATICS INDEPENDENTLY FROM AN AIR CONTROL DAMPER VAV (ACD). PROVIDE A THERMOSTAT, VALVE WITH ELECTRIC ACTUATOR, AND CONTROLLERS AS NEEDED.

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project
UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
FIRST FLOOR PLAN - TEMPERATURE CONTROL ALTERNATE

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drawn DDK checked RVB

REVISIONS

DATE	DESCRIPTION
03-20-26	Addendum 2

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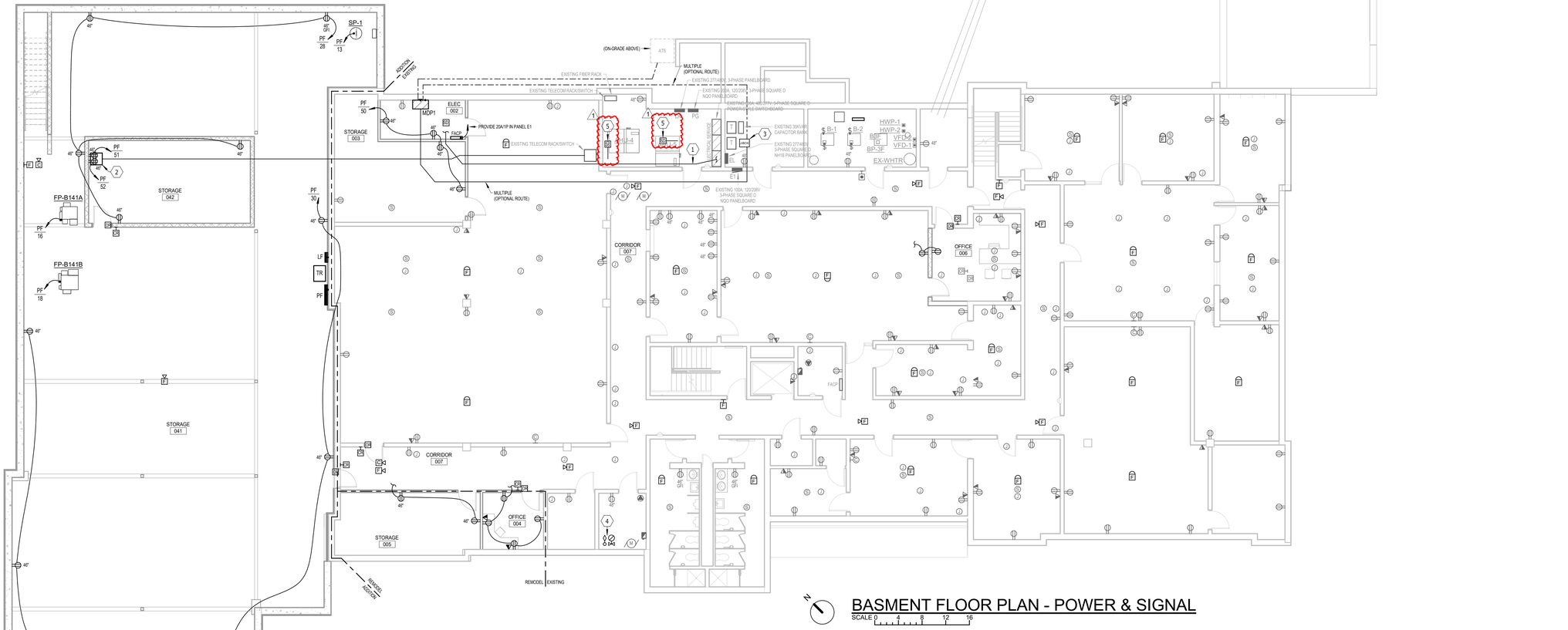
ELECTRICAL NOTES

1. BACKFEED EXISTING LOADS THAT REMAIN WITHIN DECOMMISSIONED EXISTING MAIN SWITCHBOARD CHANGED TO JUNCTION BOX.
2. PROVIDE NEW WALL MOUNTED 4FT SWING RACK FOR TELECOM CABLING SERVING NEW ADDITION. PROVIDE 6-STRAND MULT-MODE FIBER AND (4) CAT6A CABLES FROM EXISTING RACK IN EXISTING BASEMENT CHAMBER ROOM. ROUTE ALL NEW TELECOM CABLING TO NEW WALL RACK IN STORAGE 042.
3. SEE RISER FOR BACKFED EQUIPMENT.
4. REPLACE EXISTING SPRINKLER SYSTEM FLOW/TAMPER SWITCHES WITH NEW, FIELD VERIFY QUANTITY.
5. COORDINATE DUCT SMOKE DETECTOR PLACEMENT WITHIN RETURN DUCTWORK FOR ACCESSIBILITY CONSIDERATIONS.



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BASEMENT FLOOR PLAN - POWER & SIGNAL

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REVISIONS

DATE	DESCRIPTION
03-20-26	Addendum 2

9.31

GENERAL SHEET NOTES

A. TELECOMMUNICATIONS OUTLETS TO BE COMPRISED OF (2D) DATA DROPS AND (1V) VOICE DROP PER LOCATION, UNLESS OTHERWISE NOTED. CABLING TO BE CAT.6A. PROVIDE ALL CONNECTIONS AND ASSOCIATED ITEMS AS REQUIRED FOR SYSTEM INTEGRITY. SEE SPECIFICATIONS.

B. TV OUTLETS SHALL BE (1D) CAT.6A CABLING.

C. SECURITY CAMERAS SHALL HAVE (1D) CAT.6A CABLING. ROUTED TO TELECOM RACK IN SHERIFF BUILDING BASEMENT. COORDINATE EXACT REQUIREMENTS WITH OWNER SECURITY SYSTEM VENDOR (ECI)

D. WIRELESS ACCESS POINTS (WAP) TO HAVE (2D) CAT.6A PER LOCATION. PROVIDE CABLING AND TERMINATIONS. WAP DEVICES SUPPLIED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR.

E. DUCT SMOKE DETECTORS SHALL BE PLACED IN RETURN DUCTWORK IN CEILING CAVITY BELOW UNITS AT ACCESSIBLE LOCATION WITH REMOTE INDICATOR AT VISIBILE LOCATION IN CEILING SPACE BELOW.

F. COORDINATE QUANTITY AND LOCATION OF FIRE SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. PROVIDE ELECTRICAL CONNECTIONS, INITIATION DEVICES, ETC. AS REQUIRED.

G. PROVIDE ELECTRICAL CONNECTIONS FOR SECURE DOOR ENTRY / ACCESS SYSTEM AND EACH DEVICE (CARD READER, DOOR RELEASE, ECT.) AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PLENUM-RATED CABLING SHALL BE MULTI-CONDUCTOR (24V) PER MANUFACTURER RECOMMENDATIONS (CARD READER: 22/6 TWISTED, STRANDED, SHIELDED - ELECTRIC STRIKE: 16/2 TWISTED, STRANDED, SHIELDED).

H. GFI CIRCUIT BREAKERS ALLOWED IN LIEU OF GFI RECEPTACLES.

I. IN REFERENCE TO FLOORBOXES, PROVIDE 1.25" C. RACEWAYS TO ACCOMMODATE TELECOM CABLING. PROVIDE 6ßS STYLE WHERE MORE THAN (2D) TELECOM DROPS ARE SHOWN ON THE DRAWINGS. PROVIDE RACEWAYS TO BASEMENT FROM TELECOM OUTLETS TO ACCOMMODATE TELECOM CABLING ROUTING IN REMODEL AREAS WITHIN THE COURTHOUSE. PROVIDE RACEWAYS TO BASEMENT FROM TELECOM OUTLETS TO ACCOMMODATE TELECOM CABLING ROUTING IN REMODEL AND NEW CONSTRUCTION AREAS WITHIN THE SHERIFF'S OFFICE.

J. COORDINATE WITH OWNER SECURITY SYSTEM VENDOR (ECI) FOR JAIL ENTRY ACCESS SYSTEM ROUGH-IN SUPPORT.

K. COORDINATE WITH OWNER DOOR ACCESS SYSTEM VENDOR (CONVERGINT) FOR DOOR ACCESS COMPONENTS FOR DOORS OTHER THAN JAIL ENTRY ACCESS SYSTEM DOORS.

ELECTRICAL NOTES

1 POWERED WINDOW SHADES, INTERLOCK WITH AV SYSTEM. PROVIDE ELECTRICAL CONNECTIONS (120V OR 24V) - COORDINATE WITH SHADE SUPPLIER FOR SPECIFIC REQUIREMENTS.

2 PROVIDE 1.5" CONDUIT FROM AV OUTLET ROUTED TO ACCESSIBLE CEILING SPACE.

3 PROVIDE 1" CONDUIT FROM ALL MICROPHONE OUTLETS ROUTED TO ACCESSIBLE CEILING SPACE.

4 PROVIDE 6X6 JUNCTION BOX WITH FACEPLATE WITH 1.5" CONDUIT RACEWAY ROUTED TO ACCESSIBLE CEILING SPACE.

5 PROVIDE RECESSED 1500W, 120V, 1-PHASE, ELECTRIC FAN-FORCED WALL HEATED EQUAL TO BERKO #FRA1512F SERIES WITH INTEGRAL THERMOSTAT AND DISCONNECTING MEANS.

6 PROVIDE 750KW, 120V, 1-PHASE, ELECTRIC COVE HEATER EQUAL TO BERKO #RCC7512C WITH INTEGRAL THERMOSTAT AND DISCONNECTING MEANS.

7 OPERATION CONTROLLED REMOTELY VIA CONTROL DESK/SECURITY STAFF.

8 PROVIDE 3/4" RACEWAY ROUTED TO BASEMENT FOR INTERCOM. CABLING BY ELECTRONIC COMMUNICATIONS INC (ECI).

9 REINSTALL SALVAGED POST AND ACCESS CONTROL. PROVIDE 2-GANG J-BOX ON POST FOR INTERCOM WITH 3/4" RACEWAY ROUTED TO BASEMENT. CABLING BY ELECTRONIC COMMUNICATIONS INC (ECI).

10 PROVIDE 3/4" C. RACEWAY BETWEEN OVERHEAD DOOR CONTROLLER AND DOOR POSITIONING SWITCH. PROVIDE 3/4" C. FROM OVERHEAD DOOR CONTROLLER TO BASEMENT. CABLING AND DOOR POSITION SWITCH SUPPLIED BY ECI.

11 PROVIDE 1-GANG J-BOX IN CEILING FOR SECURITY CAMERA. CAMERAS BY ELECTRONIC COMMUNICATIONS INC (ECI). PROVIDE 3/4" C. RACEWAY FROM CAMERA LOCATION TO BASEMENT. HOLDING CELLS ARE 3/4" C RACEWAY TO BASEMENT ONLY, NO J-BOX.

12 PROVIDE PILOT LIGHT SWITCH AND CONNECTIONS TO 24V OR 120V WATER SOLENOIDS AT HOLDING CELL PLUMBING CHASE.

13 SECURE AREA CABLING ROUTE. PROVIDE (6) 2" C. ROUTED TO BASEMENT.

14 PAGING SPEAKER LOCATION. PROVIDE 2-GANG J-BOX IN CEILING WITH 3/4" C. RACEWAY ROUTED TO BASEMENT.

15 PROVIDE 6-STAND MULTI-MODE FIBER TO COMMISSIONER'S ROOM RACK. NEW CABLING TO BE CAT.6A FROM AV CABINET TO NEW TELECOM OUTLETS IN ADDITION.

16 LOCAL SMOKE DETECTORS SHALL ACTIVATE SMOKE EVACUATION SYSTEM. COORDINATE WITH MECHANICAL CONTRACTOR FOR SEQUENCE OF OPERATION. IN REFERENCE TO THE EXISTING FIRE ALARM SYSTEM IN THE SHERIFF'S OFFICE BUILDING, RETAIN EXISTING COVERAGE AND EXISTING SMOKE CONTROL SYSTEM UNLESS AFFECTED BY REMODEL/CONSTRUCTION. MODIFY THE EXISTING FIRE ALARM SYSTEM TO ACCOMMODATE THE NEW SMOKE CONTROL SYSTEM AND ALLOW THE FOLLOWING SEQUENCE OF OPERATION:

A. IN THE EVENT OF ACTIVATION OF A SMOKE DETECTOR OUTSIDE OF THE BOOKING AREA SMOKE CONTROL SYSTEM ZONE, ACTIVATE GENERAL ALARM AND INITIATE A DISCRETE OUTPUT SIGNAL FOR THE SMOKE CONTROL SYSTEM. THE SMOKE CONTROL SYSTEM WILL USE THE SIGNAL TO START THE BOOKING AREA SUPPLY FAN.
B. IN THE EVENT OF ACTIVATION OF A SMOKE DETECTOR INSIDE THE BOOKING AREA SMOKE CONTROL SYSTEM ZONE, ACTIVATE GENERAL ALARM AND INITIATE A DISCRETE OUTPUT SIGNAL FOR THE SMOKE CONTROL SYSTEM. THE SMOKE CONTROL SYSTEM WILL USE THE SIGNAL TO START THE BOOKING AREA EXHAUST FAN.
C. SEE MECHANICAL DRAWINGS AND DIVISION 230900 SPECIFICATIONS FOR SMOKE CONTROL SYSTEM EQUIPMENT LOCATIONS AND REQUIREMENTS.

17 PROVIDE NEW WEATHERPROOF FIRE ALARM NOTIFICATION DEVICE.

18 AV SYSTEM HEADEND EQUIPMENT, CONTROLLERS, MONITOR/TV'S, CABLING, DEVICES, TERMINATIONS, AND PROGRAMMING BY OTHERS. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN BACKBOXES AND RACEWAY ONLY FOR SUPPORT OF COMPONENTS. COORDINATE EXACT REQUIREMENTS WITH AV CONTRACTOR. PROVIDE RACEWAYS TO ACCESSIBLE CEILING SPACE IN COMMISSIONER ROOM.

19 PLACE FLOW-RATED SMOKE DETECTOR IN ACCESSIBLE RETURN DUCTWORK SERVING CELL.

20 RETAIN EXISTING FIRE ALARM SYSTEM COVERAGE UNTIL NEW FIRE ALARM SYSTEM IS OPERATIONAL.

21 IN REMODEL AREAS CONNECT NEW ELECTRICAL DEVICES TO EXISTING CIRCUITS MADE SPARE. UTILIZE NEW PANELS IF THERE ARE NOT ENOUGH EXISTING CIRCUITS. TYPICAL.

22 PROVIDE ELECTRICAL CONNECTIONS FOR SMOKE CONTROL SYSTEM PANEL, INTERLOCK WITH FIRE ALARM SYSTEM.

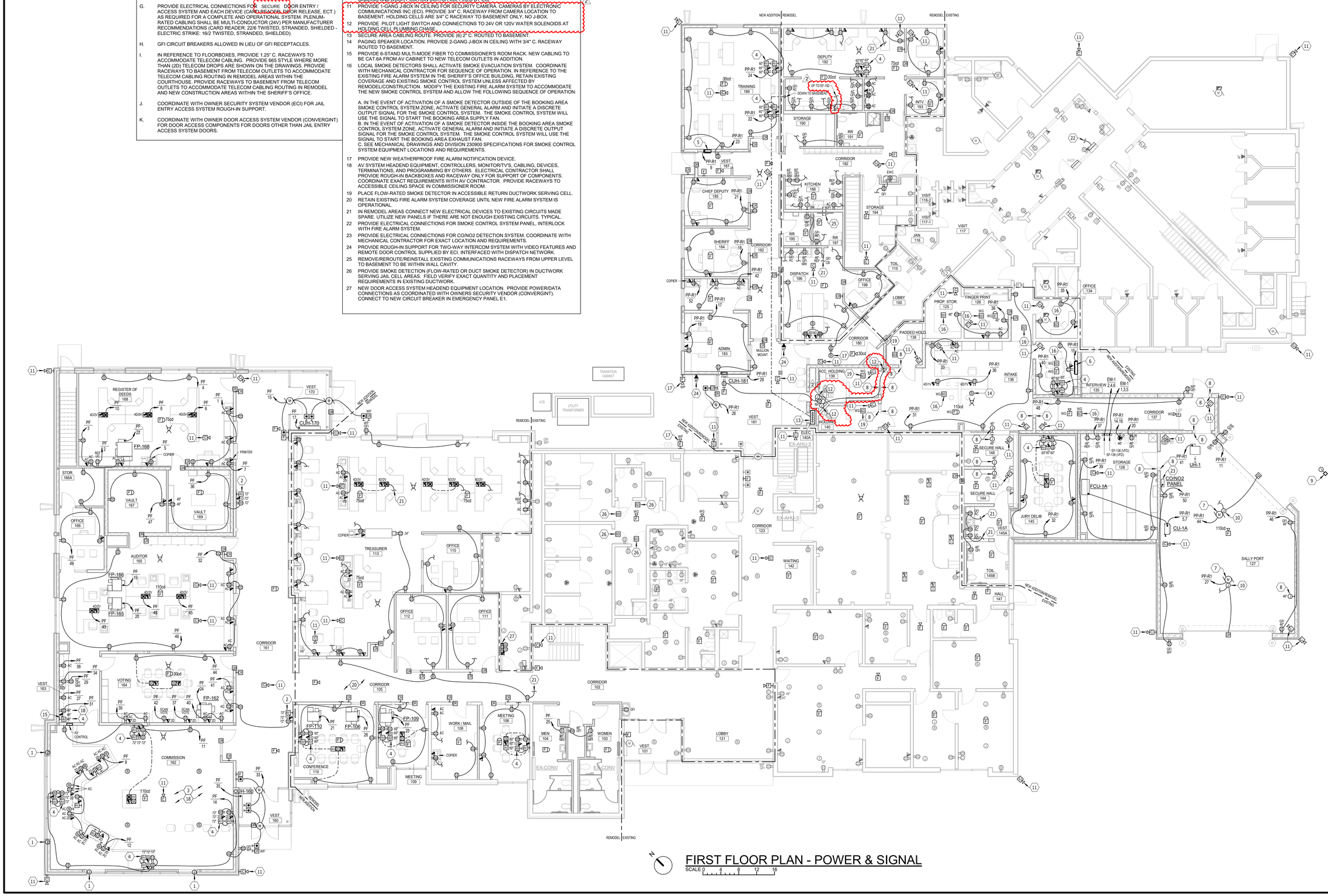
23 PROVIDE ELECTRICAL CONNECTIONS FOR CO/NO2 DETECTION SYSTEM. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION AND REQUIREMENTS.

24 PROVIDE ROUGH-IN SUPPORT FOR TWO-WAY INTERCOM SYSTEM WITH VIDEO FEATURES AND REMOTE DOOR CONTROL SUPPLIED BY ECI. INTERFACED WITH DISPATCH NETWORK.

25 REMOVE/REROUTE/REINSTALL EXISTING COMMUNICATIONS RACEWAYS FROM UPPER LEVEL TO BASEMENT TO BE WITHIN WALL CAVITY.

26 PROVIDE SMOKE DETECTION (FLOW-RATED OR DUCT SMOKE DETECTOR) IN DUCTWORK SERVING JAIL CELL AREAS. FIELD VERIFY EXACT QUANTITY AND PLACEMENT REQUIREMENTS IN EXISTING DUCTWORK.

27 NEW DOOR ACCESS SYSTEM HEADEND EQUIPMENT LOCATION. PROVIDE POWER/DATA CONNECTIONS AS COORDINATED WITH OWNERS SECURITY VENDOR (CONVERGINT). CONNECT TO NEW CIRCUIT BREAKER IN EMERGENCY PANEL E1.



FIRST FLOOR PLAN - POWER & SIGNAL

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project: UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents: FIRST FLOOR PLAN - POWER & SIGNAL

number 0728.2693.20
date February 27, 2026
drawn ADP checked JAR

REVISIONS

DATE	DESCRIPTION
03-18-26	Addendum 1
03-20-26	Addendum 2

9.33

ELECTRICAL NOTES

1 COORDINATE DUCT SMOKE DETECTOR PLACEMENT WITHIN RETURN DUCTWORK FOR ACCESSIBILITY CONSIDERATIONS.

N

ROOF PLAN - ELECTRICAL

SCALE 0 4 8 12 16

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project
UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents
ROOF PLAN - POWER & SIGNAL

number 0726.2893.20
date February 27, 2026
drawn ADP checked JAR

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DATE	DESCRIPTION
03-20-26	Addendum 2

9.34

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LIGHTING FIXTURE SCHEDULE

Project No: ACEI 125068

TYPE	MFR.	NUMBER	LAMPS	VOLTS	WATTS	DESCRIPTION	APPROVED MFRS	NOTES
A	METALUX	24CGTS-L3C3	LED/35K	UNV	53	LED, 2'X4' RECESSED FLAT PANEL, BACKLIT, SELECTABLE LUMENS AND COLOR TEMP. SET TO 5000 LUMENS/35K.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
AEG	METALUX	24CGTS-L3C3-GTD	LED/35K	UNV	53	SAME AS TYPE "A" EXCEPT WITH GENERATOR TRANSFER DEVICE TO ALLOW SWITCHING/DIMMING WITH OTHER LIGHTING FIXTURES SERVING SAME SPACE.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
AE	METALUX	24CGTS-L3C3-EM	LED/35K	UNV	53	SAME AS TYPE "A" EXCEPT WITH INTEGRAL BATTERY BACKUP FOR EGRESS PATH/LIFE SAFETY CODE COMPLIANCE.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
A2	METALUX	22CGTS-L3C3	LED/35K	UNV	30	LED, 2'X2' RECESSED FLAT PANEL, BACKLIT, SELECTABLE LUMENS AND COLOR TEMP. SET TO 3700 LUMENS/35K.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
A2E	METALUX	22CGTS-L3C3-EM	LED/35K	UNV	30	SAME AS TYPE "A2" EXCEPT WITH INTEGRAL BATTERY BACKUP FOR EGRESS PATH/LIFE SAFETY CODE COMPLIANCE.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
B	KENALL	SCT-4-0/0-45L35K-DCC-DV-SYM/B-1-DLN	LED/35K	120	45	SURFACE MOUNT, LED, 1X4 - VANDALPROOF/HIGH ABUSE, DIMMABLE, NIGHTLIGHT.		
C	PORTFOLIO	LD6B30D010-EU6B30508035-6LBW1H	LED/35K	UNV	28	6" LED DOWNLIGHT. APPROXIMATELY 3000 LUMENS. 0-10V, 10% DIMMING, SEMI-SPECULAR, SELF-FLANGED REFLECTOR WITH WIDE DISTRIBUTION.	PRESCOLITE LIGHTOLIER WILLIAMS LITHONIA COLUMBIA	
CE	PORTFOLIO	LD6B30D010-EU6B30508035-6LBW1H-EM	LED/35K	UNV	28	SAME AS TYPE "C" EXCEPT WITH INTEGRAL BATTERY BACKUP FOR EGRESS PATH/LIFE SAFETY CODE COMPLIANCE.	PRESCOLITE LIGHTOLIER WILLIAMS LITHONIA COLUMBIA	
D	METALUX	4SLSTP5535DD-UNV	LED/35K	UNV	47	4' LENSED LED STRIPLIGHT. FORMED CRS CHANNEL WITH DECORATIVE END CAPS. APPROXIMATELY 5700 LUMENS. FROSTED ACRYLIC LENS.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
DE	METALUX	4SLSTP5535DD-UNV-EM	LED/35K	UNV	47	SAME AS TYPE "D" EXCEPT WITH INTEGRAL BATTERY BACKUP FOR EGRESS PATH/LIFE SAFETY CODE COMPLIANCE.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
E1	SURE-LITES	CX71SD	INCLUDED	UNV	-	LED EXIT LIGHT, SINGLE STENCIL FACE, RED LETTERS, BLACK HOUSING WITH BRUSHED ALUMINUM FACE, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS, BATTERY, DIRECTIONAL ARROWS AND MOUNTING AS INDICATED.	DUAL-LITE EMRGI-LITE WILLIAMS LITHONIA	
E2	SURE-LITES	CX72SD	INCLUDED	UNV	-	SAME AS TYPE "E1" EXCEPT DOUBLE-FACE.	DUAL-LITE EMRGI-LITE WILLIAMS LITHONIA	
E3	SURE-LITES	CU2	INCLUDED	UNV	-	EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY BACKUP FOR EGRESS PATH/LIFE SAFETY CODE COMPLIANCE, CONNECT TO LOCAL BRANCH CIRCUIT SERVING LIGHTING IS SPACE.	DUAL-LITE EMRGI-LITE WILLIAMS LITHONIA	
F	KENALL	SCA-4-0/0-45L35K-DCC-DV-SYM/B-2-DLN	LED/35K	120	45	SURFACE MOUNT, LED, 1X4 - HIGH ABUSE, DIMMABLE, NIGHTLIGHT.		
H	VISA	CB5513-L35K-L-MVOLT-XX	LED/35K	UNV	10	WALL SCONCE, FINISH SELECTED BY ARCHITECT.		
J_	NEO-RAY	S124DIP-C350D365U835-C20-_F0-2-UDD-F1-W	LED/35K	UNV	5.1W/FT	4-INCH WIDE SUSPENDED DIR/IND LINEAR LED, 350 LUMEN DOWN/ 365 LUMEN UP, SEE LENGTHS SHOWN ON DRAWINGS, SEPARATELY DIM UPLIGHT AND DOWNLIGHT COMPONENTS.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
K	WAC LIGHTING	WS-85636-AL	LED/35K	UNV	30	37" LED BATH VANITY LIGHT WITH EDGE-LIT ACRYLIC DIFFUSER. 1762 DELIVERED LUMENS. ADA COMPLIANT. BRUSHED ALUMINUM FINISH.		
L	NEO-RAY	S124DR-S575D575-835-8F0-UDD-F-W	LED/35K	UNV	4.8W/FT	4-INCH WIDE RECESSED DIRECT LINEAR LED, 575 LUMEN/FT DOWN.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
LE	NEO-RAY	S124DR-S575D575-835-8F0-UDD-F-W-EM	LED/35K	UNV	4.8W/FT	SAME AS TYPE "L" EXCEPT WITH INTEGRAL BATTERY BACKUP FOR EGRESS PATH/LIFE SAFETY CODE COMPLIANCE.	COLUMBIA DAYBRITE WILLIAMS LITHONIA	
YE	LUMARK	XTOR8B-W-BZ-CPB	LED/4K	UNV	81	EXTERIOR WALLPACK, FULL CUTOFF, DARK BRONZE FINISH, APPROXMATELY 6000 LUMENS, INTEGRAL BATTERY BACKUP.	DUAL-LITE EMRGI-LITE WILLIAMS LITHONIA	
YEG	LUMARK	XTOR8B-W-BZ-GTD	LED/4K	UNV	81	EXTERIOR WALLPACK, FULL CUTOFF, DARK BRONZE FINISH, APPROXMATELY 6000 LUMENS, GENERATOR TRANSFER DEVICE FOR EXTERIOR EGRESS/LIFE SAFETY CODE COMPLIANCE.	DUAL-LITE EMRGI-LITE WILLIAMS LITHONIA	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

PROJECT #: 125068

	DESCRIPTION	WATTS	HP	FLA	MCA	MOCP	VOLTS	PH	NOTES
	RTU-6: ROOFTOP UNIT	-	-	70.4	88	100/3	480	3	1,2
	RTU-4: ROOFTOP UNIT	-	-	25.6	32	45/3	208	3	1,2
	RTU-5: ROOFTOP UNIT	-	-	25.6	32	45/3	208	3	1,2
	EF-2: EXHAUST FAN	-	1/10	-	-	15/1	120	1	3
1	EF-136: EXHAUST FAN	-	3/4	3.7	4.6	15/3	208	3	7
	EF-139: EXHAUST FAN	-	1/6	4.4	5.5	15/1	120	1	3
	EF-1A: EXHAUST FAN	-	1/15	-	-	15/1	120	1	3
	EF-1B: EXHAUST FAN	-	1/4	5.8	7.3	15/1	120	1	3
1	EF-192: EXHAUST FAN	-	1/6	4.4	5.5	15/1	120	1	12
	SF-136: SMOKE EVAC SUPPLY FAN	-	1	4.8	6.0	15/3	208	3	7
1	FP-106: FAN-POWERED VAV	-	1/4	5.8	7.3	15/1	120	1	3, 6
	FP-109: FAN-POWERED VAV	-	1/4	5.8	7.3	15/1	120	1	3, 6
	FP-110: FAN-POWERED VAV	-	1/3	7.2	9.0	15/1	120	1	3, 6
	FP-162: FAN-POWERED VAV	-	3/4	13.8	17.3	25/1	120	1	3, 6
	FP-165: FAN-POWERED VAV	-	1/3	7.2	9.0	15/1	120	1	3, 6
	FP-166: FAN-POWERED VAV	-	1/4	5.8	7.3	15/1	120	1	3, 6
	FP-168: FAN-POWERED VAV	-	3/4	13.8	17.3	25/1	120	1	3, 6
	FP-B141A: FAN-POWERED VAV	-	1/3	7.2	9.0	15/1	120	1	3
	FP-B141B: FAN-POWERED VAV	-	1/2	9.8	12.3	20/1	120	1	3
	UH-1: UNIT HEATER	-	1/20	-	-	-	120	1	3
	CUH-181: CABINET UNIT HEATER	-	1/10	-	-	-	120	1	3
	CUH-160: CABINET UNIT HEATER	-	1/10	-	-	-	120	1	3
	CUH-170: CABINET UNIT HEATER	-	1/10	-	-	-	120	1	3
1	SP-1: SUMP PUMP	-	1/2	9.8	12.3	20/1	120	1	9
	FCU-1A: FAN-COIL UNIT	-	-	2.4	3.0	15/2	208	1	10
	CU-1A: CONDENSING UNIT	-	-	20.0	25	30/2	208	1	11

NOTES:

1. PROVIDE NEMA 3R FUSED DISCONNECT SWITCH AT UNIT. CONTROL BY MECHANICAL CONTRACTOR. PROVIDE CURRENT-LIMITING FUSES TO REDUCE SCCR LEVEL AT EQUIPMENT AS REQUIRED.
2. PROVIDE DUCT SMOKE DETECTOR IN DUCTWORK ON RETURN SIDE OF UNIT, COORDINATE PHYSICAL LOCATION OF DEVICE WITH MECHANICAL CONTRACTOR FOR ACCESSIBILITY.
3. PROVIDE SINGLE POINT POWER CONNECTION. DISCONNECT INTEGRAL WITH UNIT. CONTROL BY MECHANICAL CONTRACTOR.
4. NOT USED.
5. NOT USED.
6. SHUTDOWN UPON FIRE ALARM.
7. PROVIDE SINGLE POINT POWER CONNECTION TO VFD WITH INTEGRAL DISCONNECTING MEANS SUPPLIED BY MECHANICAL CONTRACTOR AND FROM VFD TO MOTOR. CONTROL BY MECHANICAL CONTRACTOR.
8. NOT USED.
9. PROVIDE ELECTRICAL CONNECTIONS FOR SUMP PUMP CONTROLLER, FLOATS, AND ANY ASSOCIATED EQUIPMENT FOR AUTOMATIC OPERATION.
10. INDOOR FCU IS POWERED THRU THE CONDENSING UNIT, PROVIDE LOCAL DISCONNECTING MEANS AS REQUIRED.
11. PROVIDE NEMA 1 FUSED DISCONNECT SWITCH AT UNIT. CONTROL BY MECHANICAL CONTRACTOR. PROVIDE CURRENT-LIMITING FUSES TO REDUCE SCCR LEVEL AT EQUIPMENT AS REQUIRED.
12. PROVIDE SINGLE POINT POWER CONNECTION. DISCONNECT INTEGRAL WITH UNIT. PROVIDE PILOT LIGHT SWITCH IN DEPUTY 192 FOR ON/OFF CONTROL.

FEEDER SCHEDULE

MARK (AMPS)	4-WIRE FEEDER SETS	PH	GND	C	3-WIRE FEEDER SETS	PH	GND	C	"K" RATED 4-WIRE FEEDER SETS	PH	N	GND	C	MARK (AMPS)
15	1	14	14	0.75	1	14	14	0.75	1	14	12	14	0.75	15
20	1	12	12	0.75	1	12	12	0.75	1	12	10	12	0.75	20
25	1	10	10	0.75	1	10	10	0.75	1	10	8	10	0.75	25
30	1	10	10	0.75	1	10	10	0.75	1	10	8	10	0.75	30
35	1	8	10	0.75	1	8	10	0.75	1	8	6	10	0.75	35
40	1	8	10	0.75	1	8	10	0.75	1	8	4	10	1.00	40
45	1	6	10	1.00	1	6	10	0.75	1	6	4	10	1.00	45
50	1	6	10	1.00	1	6	10	0.75	1	6	3	10	1.00	50
60	1	6	10	1.00	1	6	10	0.75	1	6	3	10	1.00	60
70	1	4	8	1.25	1	4	8	1.00	1	4	1/0	8	1.25	70
80	1	4	8	1.25	1	4	8	1.00	1	4	1/0	8	1.25	80
90	1	3	8	1.25	1	3	8	1.25	1	3	2/0	8	1.25	90
100	1	3	8	1.25	1	3	8	1.25	1	3	2/0	8	1.50	100
110	1	2	6	1.25	1	2	6	1.25	1	2	3/0	6	1.50	110
125	1	1	6	1.50	1	1	6	1.25	1	1	4/0	6	2.00	125
150	1	1/0	6	2.00	1	1/0	6	1.50	1	1/0	300	6	2.00	150
175	1	2/0	6	2.00	1	2/0	6	2.00	1	2/0	350	6	2.00	175
200	1	3/0	6	2.00	1	3/0	6	2.00	1	3/0	500	6	2.50	200
225	1	4/0	4	2.50	1	4/0	4	2.00	1	4/0	2-3/0	4	2.50	225
250	1	250	4	2.50	1	250	4	2.50	1	250	2-4/0	4	2.50	250
300	1	350	4	3.00	1	350	4	2.50	1	350	2-300	4	3.00	300
350	1	500	3	3.00	1	500	3	3.00	1	500	2-400	3	3.50	350
400	2	3/0	3	2.00	2	3/0	3	2.00	2	3/0	500	3	2.50	400
450	2	4/0	2	2.50	2	4/0	2	2.00	2	4/0	2-3/0	2	2.50	450
500	2	250	2	2.50	2	250	2	2.50	2	250	2-4/0	2	2.50	500
600	2	350	1	3.00	2	350	1	2.50	2	350	2-350	1	3.00	600
700	2	500	1/0	3.00	2	500	1/0	3.00	2	500	2-400	1/0	3.50	700
800	3	300	1/0	2.50	3	300	1/0	2.50	3	300	2-4/0	1/0	3.00	800
900	3	350	2/0	3.00	3	350	2/0	2.50	3	350	2-300	2/0	3.00	900
1000	3	400	2/0	3.00	3	400	2/0	2.50	3	400	2-350	2/0	3.00	1000
1200	4	350	3/0	3.00	4	350	3/0	2.50	4	350	2-300	3/0	3.00	1200
1600	5	400	4/0	3.00	5	400	4/0	2.50	5	400	2-350	4/0	3.00	1600
2000	6	400	250	3.00	6	400	250	3.00	6	400	2-350	250	3.50	2000
2500	7	500	350	3.50	7	500	350	3.00	7	500	2-400	350	3.50	2500
3000	8	500	400	3.50	8	500	400	3.00	8	500	2-400	400	4.00	3000
4000	11	500	500	3.50	11	500	500	3.00	11	500	2-400	500	4.00	3000
5000	14	500	700	3.50	14	500	700	3.00	14	700	2-400	700	4.00	3000

MOTOR & APPLIANCE FEEDER SCHEDULE (100 Amps & Less)

MARK (AMPS)	MOTOR LOAD (HP) 480V	208V	4-WIRE FEEDER PH	GND	C	3-WIRE FEEDER PH	GND	C	MARK (AMPS)
20	7.5 & LESS	3 & LESS	12	12	0.75	12	12	0.75	20
25	10	- -	10	10	0.75	10	10	0.75	25
30	15	- -	10	10	0.75	10	10	0.75	30
35	- -	5	8	10	0.75	8	10	0.75	35
40	15	- -	8	10	0.75	8	10	0.75	40
45	- -	- -	6	10	1.00	6	10	0.75	45
50	- -	7.5	6	10	1.00	6	10	0.75	50
60	20	10	6	10	1.00	6	10	0.75	60
70	25	- -	4	8	1.25	4	8	1.00	70
80	30	- -	4	8	1.25	4	8	1.00	80
90	40	15	3	8	1.25	3	8	1.25	90
100	50	20	3	8	1.25	3	8	1.25	100

NOTES:
1. FEEDERS SHALL BE 4-WIRE, UNLESS DENOTED WITH:
   "-3W" WHICH SHALL BE 3-WIRE (3W)
   "-IG" WHICH SHALL BE 4-WIRE PLUS INSULATED GROUND AND EQUIPMENT GROUND.
   "-K" WHICH SHALL BE 4-WIRE WITH OVERSIZED NEUTRAL.
2. SERVICE ENTRANCE CONDUCTORS SHALL NOT BE PROVIDED WITH GROUND CONDUCTOR.
3. ALL FEEDERS SHALL HAVE EQUIPMENT GROUND CONDUCTOR.
4. NEUTRAL SHALL BE SAME SIZE AS PHASE CONDUCTOR, UNLESS OTHERWISE NOTED.
5. CONDUCTOR SIZES FOR FEEDERS OVER 40A ARE BASED ON TERMINATIONS TO EQUIPMENT LISTED FOR 75°C, INCREASE FEEDER SIZES AS REQUIRED FOR TERMINATIONS TO EQUIPMENT NOT LISTED FOR 75°C.
6. RACEWAY AND CONDUCTOR SIZING IS BASED ON THE USE OF THHN/THWN COPPER CONDUCTORS AND EMT CONDUIT. MODIFY RACEWAY AND CONDUCTOR SIZES AS REQUIRED FOR THE USE OF OTHER RACEWAY AND CONDUCTOR TYPES.
7. SEE SPECIFICATIONS FOR ALLOWABLE CONDUCTOR MATERIAL, INSULATION AND RACEWAY TYPES. WHERE ALUMINUM CONDUCTORS ARE ALLOWED THE AMPACITY RATING OF THE SERVICE OR FEEDER SHALL BE EQUAL TO OR GREATER THAN THE CALCULATED AMPACITY RATING OF THE COPPER CONDUCTORS SHOWN IN THIS SCHEDULE.
8. NOT ALL FEEDER SIZES SHOWN IN THIS SCHEDULE ARE USED IN THIS PROJECT.

ELECTRICAL SYMBOL LEGEND

HT AFF	SYMBOL	DESCRIPTION
AS NOTED		SURFACE LIGHT. (TYPE DENOTED)
AS NOTED		WALL MOUNTED FLOODLIGHT. (TYPE DENOTED)
		RECESSED LIGHT. (TYPE DENOTED)
PER SCHED		POLE MOUNTED LIGHT. (TYPE DENOTED)
PER SCHED		POLE MOUNTED FLOODLIGHT. (TYPE DENOTED)
		SURFACE LIGHT. (TYPE DENOTED)
		SUSPENDED OR PENDANT LIGHT. (TYPE DENOTED)
		RECESSED LIGHT. (TYPE DENOTED)
		STRIP LIGHT. (TYPE DENOTED)
AS NOTED		TRACK AND TRACK LIGHT. (TYPES DENOTED)
86"		EMERGENCY BATTERY LIGHT. (TYPE DENOTED)
		EXIT SIGN (TYPE DENOTED)
AS NOTED		LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH
AS NOTED		LIGHT FIXTURE ON (EM) CRITICAL BRANCH
AS NOTED		LIGHT FIXTURE ON EMERGENCY CIRCUIT
AS NOTED		LIGHT FIXTURE WITH EMERGENCY BALLAST
		LIGHT ON CORD REEL. (TYPE DENOTED)
AS NOTED		LIGHTING CHANNEL WIRE. (TYPE DENOTED)
46"		SINGLE POLE SW.
46"		2 POLE SINGLE THROW SW.
46"		3-WAY SW.
46"		4-WAY SW.
46"		KEYED SW.
46"		SW. W/PILOT
46"		DIMMER SWITCH
46"		OCCUPANCY SENSOR SWITCH
46"		COMBINATION OCCUPANCY SENSOR & DIMMER SW.
46"		LOW VOLTAGE SWITCH
46"		LOW VOLTAGE DIMMER SWITCH
46"		TIMER SWITCH
46"		MOTOR HORSEPOWER RATED SWITCH
18"		SINGLE RECEPT.
18"		DUPLEX RECEPT.
18"		USB DUPLEX RECEPT. SEE SPECS
18"		SPLIT DUPLEX RECEPT.
18"		DUPLEX RECEPT. ON EMERGENCY CIRCUIT
18"		FOURPLEX RECEPT.
18"		FOURPLEX RECEPT. ON EMERGENCY CIRCUIT
18"		DUPLEX RECEPT, ISOLATED GROUND.
18"		FOURPLEX RECEPT, ISOLATED GROUND.
46"		DEAD FRONT GFCI DEVICE
AS NOTED		SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)
		JUNCTION BOX
		DUPLEX FLOOR RECEPT.
		FOURPLEX FLOOR RECEPT.
		DUPLEX CEILING RECEPT.
		FOURPLEX CEILING RECEPT.

HT AFF	SYMBOL	DESCRIPTION
AS NOTED		RECEPT ON CORD DROP (DUPLEX SHOWN)
AS NOTED		RECEPT ON CORD REEL (DUPLEX SHOWN)
AS NOTED		MULTICUTLET ASSEMBLY (TYPE DENOTED)
AS NOTED		MULTICUTLET ASSEMBLY (TYPE DENOTED)
94"		CLOCK. (TYPE DENOTED)
		POWER POLE (OPEN OFFICE STYLE)
		CIRCUIT BREAKER PANEL
		POWER OR DISTRIBUTION PANEL
		SPECIAL CABINET. (TYPE DENOTED)
		TRANSFORMER. (TYPE DENOTED)
		MOTOR. (SEE SCHEDULE)
		MANUAL MTR. STR. (W/OVERLOADS)
		MAG. MOTOR STARTER OR CONTACTOR
		COMB. MOTOR STARTER (NON-FUSED)
		COMB. MOTOR STARTER. (FUSED)
		SAFETY DISC. SW. (NON-FUSED)
		SAFETY DISC. SW. (FUSED)
AS NOTED		BUS DUCT WITH PLUG UN DISCONNECT (FUSED)
		VARIABLE FREQUENCY DRIVE
		RELAY
		OCCUPANCY SENSOR. (TYPE DENOTED)
		OCCUPANCY SENSOR. POWER PACK
		DAYLIGHT SENSOR. (TYPE DENOTED)
AS NOTED		PHOTOCELL
46"		TIME CONTROL SWITCH. (TIME SWITCH)
46"		HUMIDISTAT
46"		THERMOSTAT
PER SCHED		WALL HEATER. (TYPE DENOTED)
PER SCHED		HAND OR HAIR DRYER. (TYPE DENOTED)
18"		TELEPHONE OUTLET. (TYPE DENOTED)
46"		WALL TELEPHONE OUTLET. (TYPE DENOTED)
18"		TELECOM OUTLET. (TYPE DENOTED)
		WIRELESS ACCESS POINT.
46"		INTERCOM OUTLET LOCATION
18"		TELEVISION OUTLET
18"		A/V OUTLET. SEE SPCIFICATIONS.
18"		MULTIPLE SERVICE OUTLET. (TYPE DENOTED)
		FLOOR BOX, TWO DEVICES. (TYPE DENOTED)
		FLOOR BOX, FOUR DEVICES. (TYPE DENOTED)
18"		DICTATION OUTLET LOCATION
46"		WALL DICTATION OUTLET LOCATION
86"		BELL
86"		BUZZER
86"		CHIME
46"		PUSH BUTTON
86"		SPEAKER. (WALL OR CEILING MT.)
86"		HORN TYPE SPEAKER
46"		VOLUME CONTROL
18"		MICROPHONE OUTLET
18"		AUXILIARY OUTLET

HT AFF	SYMBOL	DESCRIPTION
		ANTENNA
		POWER PACK
		REMOTE DRIVER
86"		FIRE ALARM HORN W/STROBE. (CANDELAS)
86"		FIRE ALARM SPEAKER W/STROBE. (CANDELAS)
86"		FIRE ALARM STROBE. (CANDELAS)
46"		F.A. PUULSTATION
		BEAM TYPE SMOKE DETECTORS
46"		FIRE ALARM REMOTE ANNUNCIATOR
		SMOKE DETECTOR. (TYPE DENOTED)
		HEAT DETECTOR
		DUCT SMOKE DETECTOR. (TYPE DENOTED)
		FIRE/SMOKE DAMPER
		REMOTE INDICATOR/TEST SWITCH
		F.A. DOOR HOLDER
		SPRINKLER FLOW SWITCH
		SPRINKLER VALVE TAMPER SWITCH
		DOOR RELEASE
		DOOR POSITION SWITCH
		CARD READER
46"		KEYPAD
46"		MOTION DETECTOR. (TYPE DENOTED)
		ELECTROMAGNETIC LOCK
		ADA PUSHBUTTON SWITCH
		NURSE CALL MASTER STATION
46"		NURSE CALL EMERG. STATION
46"		NURSE CALL CODE BLUE EMERG. STATION
46"		NURSE CALL DUTY STATION
46"		NURSE CALL PATIENT STATION
46"		NURSE CALL STAFF STATION
46"		NURSE CALL BED STATION. SINGLE
46"		NURSE CALL BED STATION. DOUBLE.
86"		NURSE CALL DOME LIGHT
		NURSE CALL EQUIPMENT CABINET
46"		NURSE CALL ANNUNCIATOR PANEL
AS NOTED		CAMERA
		CONDUIT CONCEALED IN WALL OR OVERHEAD
		CONDUIT EXPOSED
		CONDUIT TRANSITION UP
		CONDUIT TRANSITION DOWN
		CONDUIT STUBBED OUT
		CONDUIT CONCEALED, "E" INDICATES EMERGENCY
		CONDUIT EXPOSED, "E" INDICATES EMERGENCY
		OVERHEAD ELECTRIC
		BRANCH CIRCUIT HOME RUN
		CABLE TRAY. (TYPE DENOTED)
		CONDUIT SLEEVE. (SIZE DENOTED)
		KEYED NOTE. (SEE SCHEDULE)
		HATCHED SYMBOL INDICATES REMOVED

ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED.

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project: UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents: ELECTRICAL SYMBOLS AND ABBREVIATIONS

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03-20-26	Addendum 2

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ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)	DC	DROP CORD	HP	HORSEPOWER	N.C.	NORMALLY CLOSED	SURF	SURFACE MOUNTED
		DCP	DOMESTIC WATER	HPF	HIGH POWER FACTOR	NEC	NATIONAL ELECTRICAL CODE	SW	SWITCH
A	AMPERE		CIRCULATING PUMP	HT	HEIGHT	NEMA	NATIONAL ELECTRICAL	SWBD	SWITCHBOARD
AC	ABOVE COUNTER -	DEPT	DEPARTMENT	HTG	HEATING		MANUFACTURER'S	SYM	SYMMETRICAL
	(3" ABOVE BACKSPLASH	DET	DETAIL	HTR	HEATER		ASSOCIATION	SYS	SYSTEM
	OR COUNTERTOP)	DIA	DIAMETER	HV	HIGH VOLTAGE	NFDS	NON-FUSED SAFETY	TEL	TELEPHONE
ACLG	ABOVE CEILING	DISC	DISCONNECT	HVAC	HEATING, VENTILATING AND		DISCONNECT SWITCH	TELDATA	TELEPHONE/DATA
ADO	AUTOMATIC DOOR OPENER	DIST	DISTRIBUTION		AIR CONDITIONING	NIC	NOT IN CONTRACT	TERM	TERMINAL
AF	AMP FRAME	DN	DOWN	HWP	HYDRONIC WATER PUMP	NL	NIGHT LIGHT	TL	TWIST LOCK
AFF	ABOVE FINISHED FLOOR	DPR	DAMPER			N.O.	NORMALLY OPEN	TR	TAMPER RESISTANT
AFG	ABOVE FINISHED GRADE	DS	SAFETY DISCONNECT SWITCH	IC	INTERRUPTING CAPACITY	NPF	NORMAL POWER FACTOR	T-STAT	THERMOSTAT
AFI	ARC FAULT CIRCUIT	DT	DOUBLE THROW	IG	ISOLATED GROUND	NTS	NOT TO SCALE	TTC	TELEPHONE TERMINAL
	INTERRUPTER	DWG	DRAWING	IMC	INTERMEDIATE METAL CONDUIT				CABINET
AHU	AIR HANDLING UNIT	EC	ELECTRICAL CONTRACTOR	INCAND	INCANDESCENT	OH	OVERHEAD	TV	TELEVISION
AL	ALUMINUM	ELEC	ELECTRIC, ELECTRICAL	IR	INFRARED	OL	OVERLOADS	TVTC	TELEVISION TERMINAL
ALT	ALTERNATE	ELEV	ELEVATOR	IW	INTERLOCK WITH				CABINET
AMP	AMPERE	EM	EMERGENCY			PA	PUBLIC ADDRESS	TYP	TYPICAL
AMPL	AMPLIFIER	EMS	ENERGY MANAGEMENT SYSTEM	J-BOX	JUNCTION BOX	PB	PULL BOX OR PUSHBUTTON		
ANN/A	ANNUNCIATOR	EMT	ELECTRICAL METALLIC TUBING			PE	PNEUMATIC ELECTRIC	UC	UNDER COUNTER
APPROX	APPROXIMATELY	EP	ELECTRIC PNEUMATIC	KV	KILOVOLT	PED	PEDESTAL	UE	UNDERGROUND ELECTRICAL
AQ-STAT	AQUASTAT	EQUIP	EQUIPMENT	KVA	KILOVOLT-AMPERE	PF	POWER FACTOR	UG	UNDERGROUND
ARCH	ARCHITECT, ARCHITECTURAL	EWC	ELECTRIC WATER COOLER	KVAR	KILOVOLT-AMPERE REACTIVE	PH	PHASE	UH	UNIT HEATER
AS	AMP SWITCH		COORDINATE RCPT LOCATION WITH	KW	KILOWATT	PIV	POST INDICATING VALVE	UT	UNDERGROUND TELEPHONE
AT	AMP TRIP		MECHANICAL CONTRACTOR	KWH	KILOWATT HOUR	PNL	PANEL	UTIL	UTILITY
ATS	AUTOMATIC TRANSFER SWITCH	EXIST	EXISTING			PP	POWER POLE	UV	UNIT VENTILATOR OR
AUTO	AUTOMATIC	EXH	EXHAUST	LOC	LOCATE OR LOCATION	PR	PAIR		ULTRAVIOLET
AUX	AUXILIARY	EXP	EXPLOSION PROOF	LT	LIGHT	PRI	PRIMARY		
AV	AUDIO VISUAL			LTG	LIGHTING	PROJ	PROJECTION	V	VOLT
AWG	AMERICAN WIRE GAUGE	FA	FIRE ALARM	LTNG	LIGHTNING	PRV	POWER ROOF VENTILATOR	VA	VOLT-AMPERES
		FABP	FIRE ALARM BOOSTER POWER	LV	LOW VOLTAGE	PT	POTENTIAL TRANSFORMER	VDT	VIDEO DISPLAY TERMINAL
BATT	BATTERY		SUPPLY PANEL			PVC	POLYVINYL CHLORIDE	VERT	VERTICAL
BD	BOARD	FACP	FIRE ALARM CONTROL PANEL	MAX	MAXIMUM		(CONDUIT)	VFD	VARIABLE FREQUENCY DRIVE
BLDG	BUILDING	FCU	FAN COIL UNIT	MAG.S	MAGNETIC STARTER	PWR	POWER	VOL	VOLUME
BMS	BUILDING MANAGEMENT	FIXT	FIXTURE	MC	MOMENTARY CONTACT				
	SYSTEM	FLR	FLOOR	MC	MECHANICAL CONTRACTOR	QUAN	QUANTITY	W	WATT
		FLUOR	FLUORESCENT	MCB	MAIN CIRCUIT BREAKER		RETRACTABLE CORD REEL	WI	WITH
C	CONDUIT	FU	FUSE	MCC	MOTOR CONTROL CENTER	RCPT	RECEPTACLE	WG	WIRE GUARD
CAB	CABINET	FUDS	FUSED SAFETY DISCONNECT	MDC	MAIN DISTRIBUTION CENTER	REQD	REQUIRED	WH	WATER HEATER
CAT	CATALOG		SWITCH	MDP	MAIN DISTRIBUTION PANEL	RM	ROOM	W/O	WITHOUT
CATV	CABLE TELEVISION			MFR	MANUFACTURER	RSC	RIGID STEEL CONDUIT	WP	WEATHERPROOF
CB	CIRCUIT BREAKER	GA	GAUGE	MFS	MAIN FUSED DISCONNECT	RTU	ROOF TOP UNIT		
CCTV	CLOSED CIRCUIT TELEVISION	GAL	GALLON		SWITCH			XFMR	TRANSFORMER
CKT	CIRQUIT	GALV	GALVANIZED	MH	MANHOLE	SC	SURFACE CONDUIT	XFR	TRANSFER
CLG	CEILING	GC	GENERAL CONTRACTOR	MIC	MICROPHONE	SEC	SECONDARY		
COMB	COMBINATION	GEN	GENERATOR	MIN	MINIMUM	SHT	SHEET		
CMPR	COMPRESSOR	GFI	GROUND FAULT CIRCUIT	MISC	MISCELLANEOUS	SIM	SIMILAR		
CONN	CONNECTION		INTERRUPTER	MLO	MAIN LUGS ONLY	S/N	SOLID NEUTRAL		
CONST	CONSTRUCTION	GFP	GROUND FAULT PROTECTOR	MMS	MANUAL MOTOR STARTER	SPEC	SPECIFICATION	⁄	ANGLE
CONT	CONTINUATION OR CONTINUOUS	GND	GROUND	MOA	MULTIOUTLET ASSEMBLY	SPKR	SPEAKER	@	AT
CONTR	CONTRACTOR	GRS	GALVANIZED RIGID STEEL	MSP	MOTOR STARTER PANELBOARD	SP	SPARE	△	DELTA
CONV	CONVECTOR		(CONDUIT)	MSBD	MAIN SWITCHBOARD	SR	SURFACE RACEWAY	'	FEET
CP	CIRCULATING PUMP	GYP BD	GYPSUM BOARD	MT	MOUNT	SS	STAINLESS STEEL	"	INCHES
CRT	CATHODE-RAY TUBE			MT.C	EMPTY CONDUIT	SSW	SELECTOR SWITCH	#	NUMBER
CT	CURRENT TRANSFORMER	HOA	HANDS-OFF-AUTOMATIC	MTS	MANUAL TRANSFER SWITCH	S/S	STOP/START PUSHBUTTONS	Ø	PHASE
CTR	CENTER		SWITCH	MTR	MOTOR, MOTORIZED	STA	STATION	C	CENTER LINE
CU	COPPER	HORIZ	HORIZONTAL			STD	STANDARD	P	PLATE

DISTRIBUTION PANEL: MDP1

COURTHOUSE

LOCATION: ELEC 002
MAIN DEVICE: 800 AMCB
BUS AMPS: 800 AMPS
VOLTAGE: 480Y/277V,3Ø4W.
AIC RATING: 65,000 AMPS SYMMETRICAL
SPECIAL:

MAIN DEVICE

CB SIZE	POLES	SPECIAL	DESCRIPTION/NAMEPLATE

SECTION NO. 1

CKT	CB SIZE	Poles	Load	DESCRIPTION/NAMEPLATE	NOTES
1	100 A	3	0 VA	EXISTING PANEL "EL"	
2	80 A	3	0 VA	EXISTING RTU-1	
3	100 A	3	0 VA	EXISTING PANEL "PC"	
4	200 A	3	0 VA	EXISTING PANEL "LA"	
5	60 A	3	0 VA	EXISTING WEST RTU-5	
6	100 A	3	0 VA	EXISTING CAPACITOR BANK	
7	30 A	3	0 VA	EXISTING AIR COMPRESSOR	
8	30 A	3	0 VA	EXISTING AHU-3	
9	30 A	3	0 VA	EXISTING RTU-3	
10	60 A	3	0 VA	EXISTING RTU-4	
11	60 A	3	0 VA	EXISTING ELEVATOR EQUIPMENT	
12	30 A	3	0 VA	EXISTING AHU-4	
13	30 A	3	0 VA	EXISTING AHU-5	
14	30 A	3	0 VA	EXISTING CIRC PUMP #1	
15	30 A	3	0 VA	EXISTING CIRC PUMP #2	
16	400 A	3	97815 VA	PANEL "LF"	
17	100 A	3	0 VA	PREPARED SPACE	
18	60 A	3	0 VA	SURGE SUPPRESSION	

ELECTRICAL NOTES

1 DECOMMISSION EXISTING MAIN SERVICE SWITCHBOARD TO BE USED AS JUNCTION BOX TO BACKFEED FROM NEW MAIN SERVICE SWITCHBOARD.

2 REMOVE/REROUTE EXISTING FEEDERS TO NEW JUNCTION BOX IN ADJACENT ROOM TO SPLICE/BACKFEED THE FOLLOWING EXISTING LOADS:
- 80A/3P BACKFEED EXISTING RTU-1
- 60A/3P EXISTING WEST RTU-5
- 30A/3P EXISTING AIR COMPRESSOR
- 30A/3P EXISTING AHU-3
- 30A/3P EXISTING RTU-3
- 60A/3P EXISTING RTU-4
- 60A/3P EXISTING ELEVATOR EQUIPMENT
- 30A/3P EXISTING AHU-4
- 30A/3P EXISTING AHU-5
- 30A/3P EXISTING CIRC PUMP #1
- 30A/3P EXISTING CIRC PUMP #2

3 PROVIDE NEW 60A/3P CIRCUIT BREAKER IN EXISTING PANEL MDP TO SERVE NEW PANEL EM-1.

4 PROVIDE A 150A/3P CIRCUIT BREAKER IN THE EXISTING MDP TO SERVE NEW PANEL PP-R1.

PANELBOARD: LF

COURTHOUSE

LOCATION: STORAGE 041
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 AMPS
VOLTAGE: 480Y/277 V. 3 ø 4 W.
A.I.C. RATING: 65,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
PANEL "PF" VIA TRANSFORMER	100 A	3	1	12.2	19.5					2	3	100 A	MOTORS RTU-6
--	--	--	3			10.8	19.5			4	--	--	--
--	--	--	5					11.7	19.5	6	--	--	--
LITES AUDIT. 165 / VOTE 164	20 A	1	7	1.2	0.2					8	1	20 A	LITES CORRIDOR 161
LITES COMMISION 162	20 A	1	9			0.8	1.7			10	1	20 A	LITES STORAGE 041
LITES REGISTER OF DEEDS 168	20 A	1	11					1.5	0.0	12	1	20 A	Spare
Spare	20 A	1	13	0.0	0.0					14	1	20 A	Spare
Spare	20 A	1	15			0.0	0.0			16	1	20 A	Spare
Spare	20 A	1	17					0.0	0.0	18	1	20 A	Spare
Spare	20 A	1	19	0.0	0.0					20	1	20 A	Spare
Space	--	1	21			--	--			22	1	--	Space
Space	--	1	23					--	--	24	1	--	Space
Space	--	1	25	--	--					26	1	--	Space
Space	--	1	27			--	--			28	1	--	Space
Space	--	1	29					--	--	30	1	--	Space
Space	--	1	31	--	--					32	1	--	Space
Space	--	1	33			--	--			34	1	--	Space
Space	--	1	35					--	--	36	1	--	Space
Space	--	1	37	--	0.0					38	3	60 A	SURGE SUPPRESSION
Space	--	1	39			--	0.0			40	--	--	--
Space	--	1	41					--	0.0	42	--	--	--
		TOTAL LOAD:		33 kVA		33 kVA		32 kVA					
		TOTAL AMPS:		119 A		118 A		117 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED
RCPT	24081 VA	70.76%	17041 VA
MOTORS	70130 VA	100.00%	70130 VA
LITES	5437 VA	125.00%	6796 VA

PANEL TOTALS	
CONNECTED LOAD:	97815 VA
ESTIMATED DEMAND:	92337 VA
CONNECTED CURRENT:	118 A
EST. DEMAND CURRENT:	111 A

NOTES:
* = GFI CIRCUIT BREAKER.

PANELBOARD: PF

COURTHOUSE

LOCATION: STORAGE 041
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 200 A MAIN CB
BUS AMPS: 200 AMPS
VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
RCPT REG. OF DEEDS 168	20 A	1	1	0.9	0.6					2	1	20 A	RCPT REG. OF DEEDS 168
RCPT REG. OF DEEDS 168	20 A	1	3			0.5	0.5			4	1	20 A	RCPT REG. OF DEEDS 168
RCPT REG. OF DEEDS 168	20 A	1	5					1.2	0.4	6	1	20 A	RCPT REG. OF DEEDS 168
RCPT REG. OF DEEDS 168	20 A	1	7	0.6	0.4					8	1	20 A	RCPT REG. OF DEEDS 168
RCPT COMMISSION 162	20 A	1	9			0.7	0.4			10	1	20 A	RCPT REG. OF DEEDS 168
RCPT COMMISSION 162	20 A	1	11					1.1	0.9	12	1	20 A	RCPT COMMISSION 162
MOTORS SP-1	20 A	1	13	1.2	1.4					14	1	20 A	RCPT COMMISSION 162
MOTORS VEST 170	20 A	1	15			0.7	0.9			16	1	15 A	MOTORS FP-B141A
MOTORS CUH-170	20 A	1	17					0.2	1.2	18	1	20 A	MOTORS FP-B141B
MOTORS FP-166	15 A	1	19	0.7	0.9					20	1	15 A	MOTORS FP-165
MOTORS FP-108	15 A	1	21			0.9	1.7			22	1	25 A	MOTORS FP-168
MOTORS FP-109	15 A	1	23					0.7	1.2	24	1	25 A	MOTORS FP-162
RCPT MEN 104	20 A	1	25	0.5	0.7					26	1	15 A	MOTORS FP-106
RCPT VEST. 163	20 A	1	27			0.2	0.9			28	1	20 A	RCPT STORAGE 041
RCPT VEST. 163 MICRO.	20 A	1	29					1.2	0.9	30	1	20 A	RCPT STORAGE 041
RCPT VEST. 163	20 A	1	31	0.2	1.1					32	1	20 A	RCPT AUDITOR 165
MOTORS CORRIDOR 161	20 A	1	33			0.7	0.6			34	1	20 A	RCPT VEST. 163 UC REF.
MOTORS CUH-160	20 A	1	35					0.2	0.7	36	1	20 A	RCPT VAULT 169
RCPT VOTING 164	20 A	1	37	0.6	0.2					38	1	20 A	RCPT VEST. 163
RCPT VOTING 164	20 A	1	39			0.4	0.4			40	1	20 A	RCPT VOTING 164
RCPT VOTING 164	20 A	1	41					0.7	0.6	42	1	20 A	RCPT VOTING 164
RCPT AUDITOR 165	20 A	1	43	0.4	0.7					44	1	20 A	RCPT VOTING 164
RCPT AUDITOR 165	20 A	1	45			0.4	0.7			46	1	20 A	RCPT AUDITOR 165
RCPT VAULT 167	20 A	1	47					0.5	0.4	48	1	20 A	RCPT AUDITOR 165
RCPT OFFICE 166	20 A	1	49	0.9	0.7					50	1	20 A	RCPT ELEC 002
RCPT STORAGE 042	20 A	1	51			0.4	0.4			52	1	20 A	RCPT STORAGE 042
Spare	20 A	1	53					0.0	0.0	54	1	20 A	Spare
Spare	20 A	1	55	0.0	0.0					56	1	20 A	Spare
Spare	20 A	1	57			0.0	0.0			58	1	20 A	Spare
Spare	20 A	1	59					0.0	0.0	60	1	20 A	Spare
Spare	20 A	1	61	0.0	0.0					62	1	20 A	Spare
Spare	20 A	1	63			0.0	0.0			64	1	20 A	Spare
Spare	20 A	1	65					0.0	0.0	66	1	20 A	Spare
Spare	20 A	1	67	0.0	0.0					68	1	20 A	Spare
Spare	20 A	1	69			0.0	0.0			70	1	20 A	Spare
Space	--	1	71					--	--	72	1	--	Space
Space	--	1	73	--	--					74	1	--	Space
Space	--	1	75			--	--			76	1	--	Space
Space	--	1	77					--	--	78	1	--	Space
Space	--	1	79	--	0.0					80	3	60 A	SURGE SUPPRESSION
Space	--	1	81			--	0.0			82	--	--	--
Space	--	1	83					--	0.0	84	--	--	--
		TOTAL LOAD:		12 kVA		11 kVA		12 kVA					
		TOTAL AMPS:		103 A		90 A		99 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED
RCPT	24081 VA	70.76%	17041 VA
MOTORS	11784 VA	100.00%	11784 VA

PANEL TOTALS	
CONNECTED LOAD:	34609 VA
ESTIMATED DEMAND:	27717 VA
CONNECTED CURRENT:	96 A
EST. DEMAND CURRENT:	77 A

NOTES:
* = GFI CIRCUIT BREAKER.

PANELBOARD: EM-1

SHERIFF BUILDING

LOCATION: STOR. 002
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 100 A MLO
BUS AMPS: 100 AMPS
VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 14,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
MOTORS EF-136	15 A	3	1	0.4	0.6					2	3	15 A	MOTORS SF-136
--	--	--	3			0.4	0.6			4	--	--	--
--	--	--	5					0.4	0.6	6	--	--	--
Spare	20 A	1	7	0.0	0.0					8	1	20 A	Spare
Spare	20 A	1	9			0.0	0.0			10	1	20 A	Spare
Spare	20 A	1	11					0.0	0.0	12	1	20 A	Spare
Spare	20 A	1	13	0.0	0.0					14	1	20 A	Spare
Spare	20 A	1	15			0.0	0.0			16	1	20 A	Spare
Spare	20 A	1	17					0.0	0.0	18	1	20 A	Spare
Spare	20 A	1	19	0.0	0.0					20	1	20 A	Spare
Space	--	1	21			--	--			22	1	--	Space
Space	--	1	23					--	--	24	1	--	Space
Space	--	1	25	--	0.0					26	3	60 A	SURGE SUPPRESSION
Space	--	1	27			--	0.0			28	--	--	--
Space	--	1	29					--	0.0	30	--	--	--
		TOTAL LOAD:		1 kVA		1 kVA		1 kVA					
		TOTAL AMPS:		8 A		8 A		8 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED
MOTORS	3048 VA	100.00%	3048 VA

PANEL TOTALS	
CONNECTED LOAD:	3048 VA
ESTIMATED DEMAND:	3048 VA
CONNECTED CURRENT:	8 A
EST. DEMAND CURRENT:	8 A

NOTES:
* = GFI CIRCUIT BREAKER.

PANELBOARD: PP-R1

SHERIFF BUILDING

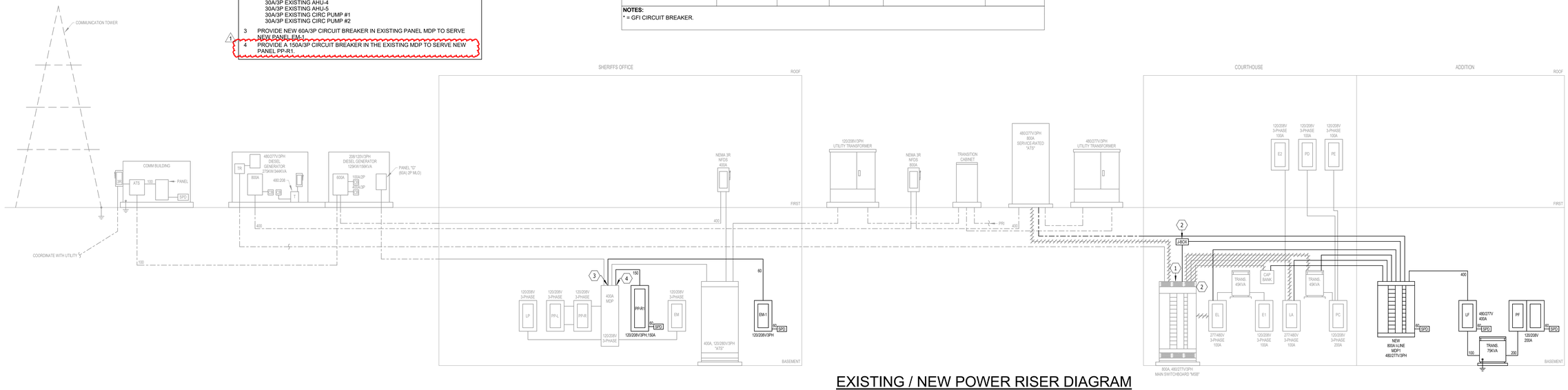
LOCATION: STOR. 002
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 150 A MLO
BUS AMPS: 150 AMPS
VOLTAGE: 208Y/120 V. 3 ø 4 W.
A.I.C. RATING: 14,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
GENERATOR PANEL	60 A	2	1	0.0	3.1					2	3	45 A	MOTORS RTU-4
--	--	--	3			0.0	3.1			4	--	--	--
MOTORS CU-1A	30 A	2	5					2.1	3.1	6	--	--	--
--	--	--	7	2.1	3.1					8	3	45 A	MOTORS RTU-5
HEAT UH CORR. 108	20 A	1	9			0.0	3.1			10	--	--	--
RCPT SALLY PORT X	20 A	1	11					0.4	3.1	12	--	--	--
LITES OFFICE 184	20 A	1	13	0.7	2.5					14	2	30 A	HEAT STORAGE 128 *
HEAT UH INTERVIEW 135	20 A	1	15			0.0	2.5			16	--	--	--
RCPT ADMIN. 183	20 A	1	17					0.7	0.7	18	1	20 A	RCPT SHERIFF 184
RCPT ADMIN. 183	20 A	1	19	0.4	1.2					20	1	20 A	RCPT STORAGE 128
RCPT SGT 186	20 A	1	21			1.1	0.5			22	1	20 A	RCPT OFFICE 186
RCPT DEPUTY 187	20 A	1	23					0.9	0.7	24	1	20 A	RCPT DEPUTY 187
LITES ADMIN 182	20 A	1	25	0.7	0.4					26	1	20 A	MOTORS VEST. 181
MOTORS SALLY PORT X	20 A	1	27			0.8	1.8			28	1	20 A	LITES SALLY PORT X
MOTORS CUH-181	20 A	1	29					0.2	0.4	30	1	20 A	LITES CORR. 185
RCPT BOOKING 136	20 A	1	31	0.7	1.6					32	1	20 A	RCPT JURY DELIB 145
RCPT BOOKING 136	20 A	1	33			0.4	0.5			34	1	20 A	RCPT VEST. 181
RCPT FINGER PRINT 134	20 A	1	35					0.5	0.4	36	1	20 A	RCPT BOOKING 136
RCPT STORAGE X	20 A	1	37	1.0	0.7					38	1	20 A	RCPT PROP. STOR. 125A
RCPT STORAGE X	20 A	1	39			0.7	0.9			40	1	20 A	RCPT INTERVIEW 135
MOTORS UH-1	20 A	1	41					0.2	0.5	42	1	20 A	RCPT ADMIN. 183
MOTORS EF-1A	15 A	1	43	0.2	0.8					44	1	20 A	MOTORS SALLY PORT X
MOTORS EF-1B	15 A	1	45			0.7	0.4			46	1	20 A	RCPT SALLY PORT X
MOTORS EF-2	20 A	1	47					0.2	0.5	48	1	20 A	RCPT HALL X
MOTORS EF-139	20 A	1	49	0.2	0.5					50	1	20 A	RCPT SALLY PORT X
MOTORS EF-192	15 A	1	51			0.2	1.2			52	1	20 A	RCPT ADMIN. 183
Spare	20 A	1	53					0.0	0.0	54	1	20 A	Spare
Spare	20 A	1	55	0.0	0.0					56	1	20 A	Spare
Spare	20 A	1	57			0.0	0.0			58	1	20 A	Spare
Spare	20 A	1	59					0.0	0.0	60	1	20 A	Spare
Spare	20 A	1	61	0.0	0.0					62	1	20 A	Spare
Spare	20 A	1	63			0.0	0.0			64	1	20 A	Spare
Space	--	1	65					--	--	66	1	--	Space
Space	--	1	67	--	--					68	1	--	Space
Space	--	1	69			--	--			70	1	--	Space
Space	--	1	71					--	--	72	1	--	Space
Space	--	1	73	--	--					74	1	--	Space
Space	--	1	75			--	--			76	1	--	Space
Space	--	1	77					--	--	78	1	--	Space
Space	--	1	79	--	0.0					80	3	60 A	SURGE SUPPRESSION
Space	--	1	81			--	0.0			82	--	--	--
Space	--	1	83					--	0.0	84	--	--	--
		TOTAL LOAD:		20 kVA		17 kVA		14 kVA					
		TOTAL AMPS:		167 A		149 A		120 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED
RCPT	17247 VA	78.99%	13623 VA
MOTORS	26739 VA	100.00%	26739 VA
LITES	3650 VA	125.00%	4562 VA
HEAT	4992 VA	100.00%	4992 VA

PANEL TOTALS	
CONNECTED LOAD:	51354 VA
ESTIMATED DEMAND:	48741 VA
CONNECTED CURRENT:	143 A
EST. DEMAND CURRENT:	135 A

NOTES:
* = GFI CIRCUIT BREAKER.



EXISTING / NEW POWER RISER DIAGRAM
NO SCALE

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project: UNION COUNTY COURTHOUSE ADDITION AND RENOVATION

sheet contents: ELECTRICAL SCHEDULES & DETAILS

number 0726.2893.20
date February 27, 2026
drawn ADP checked JAR

REVISIONS

DATE	DESCRIPTION
03-20-26	Addendum 2

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