



ADDENDUM

JLG 24146-5 Dunn County Courthouse Renovation

RE: addendum

Issued: November 7, 2025

ADDENDUM #: 02

NOTICE TO CONTRACTORS

This Addendum is prepared to supplement information presented in the Drawings and Project Manual dated October 21, 2025 for the above referenced project. All additions, changes, omissions and conditions listed herein shall become an integral part of the Contract Documents.

SPECIFICATIONS

1. SECTION 08 1416 - FLUSH WOOD DOORS
 - o Revise Paragraph 2.05.A. to read as follows:
 - A. Veneer Facing for Transparent Finish: White Maple, veneer grade in accordance with quality standard indicated, plain sliced (flat cut), with book match between leaves of veneer, running match of spliced veneer leaves assembled on door or panel face.

2. SECTION 08 5653 - SECURITY WINDOWS
 - o Remove paragraph 2.02 Security Transaction Windows in its entirety.

DRAWINGS

1. A220 - DOOR SCHEDULE AND FRAME TYPES
 - o Replace sheet in its entirety.
 - o Door Schedule:
 - Add door 110B to schedule as shown. Existing door and frame to remain; new hardware only on door.
 - Revise door 161 hardware group to "18.2".
 - Add door 163B hardware group as "E18.2".
 - o Door Types:
 - Revise stile width from "6" to "8" inches as shown for door types: F, G, and N.

ATTACHMENTS

1. Dunn Co - Question Log
2. Architectural drawing sheets: A220
3. Mechanical Addendum
4. Electrical Addendum

END OF ADDENDUM

PLAN AND SPECIFICATION QUESTIONS

Project Name: **Dunn County Courthouse Remodel & Public Safety Center**
 Architect: **JLG Architects**
 Bid Date: **November 13, 2025**

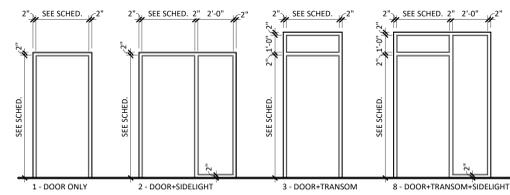


Architect/Engineer remarks in red.

Question#	Building	Plan Sheet / Specification	Date of Question	Date of Answer	Discipline	Questions/Clarifications	Response
1	Public Safety Center		10/27/25	11/04/25	ACT	Substitution Request: ACT-1 – Public Safety Center: -Specified: Armstrong Ultima High-NRC #1942 -Proposed: USG Mars High-NRC #87100 ACT-2 – Public Safety Center: -Specified: Armstrong Cirrus Second Look #511 -Proposed: USG Eclipse Illusion #78085 (VE Alternate option – scoring for specified not available from USG) WWAP-1—3 – Public Safety Center: -Specified: Wood Wool Lay-In Ceiling Panels and Wall Panels -Proposed: Tectum Lay-In Ceiling Panels & Wall Panels WCS-1 – Public Safety Center: -Specified: Armstrong Woodworks Linear -Proposed: 5th Wall Designs Linear	ACT-1, WWAP-1, WWAP-2, WWAP-3 will be included in Addendum 1. ACT-2 was not accepted. WCS-1 will be address via future addendum.
2	Courthouse		10/27/25	11/04/25	ACT	ACT-1 & 2 – Courthouse: -Specified: Armstrong Optima – 2x2 & 2x6, 9/16” tegular -Proposed: Option 1 (equal): USG Halcyon #98225 & #98348 Option 2 (VE Alt): USG Mars High-NRC #88139 & #89678	No Substitutions are allowed. We are matching existing spaces and attic stock.
3	Public Safety Center	095426	10/28/25	11/04/25	ACT	Substitution request for Linear Wood Ceiling WCS-1: ASI Architectural Wood Linear	Still reviewing. To be address via future addendum.
4	Public Safety Center		10/28/25	11/07/25	Firing Range	Substitution Request: Action Target	Products will be noted as approved equals in addendum.
5	Public Safety Center		10/28/25	11/04/25	Earthwork	Can bidders received the Civil CAD files?	Per drawing C001 Civil Notes and Legends, Civil CAD files will be provided if the attached CAD Plan Files Disclaimer form is filled out and returned.
6	Public Safety Center		10/28/25	11/04/25	JE Dunn DFH QA/QC	Opening A003 is labeled twice on the door schedule and labeled twice on the floor plans. Please review and update door schedule and floor plans so each opening has a unique opening #.	Elevator door tag to be modified to EL-01. Updated door schedule to be issued via future addendum.
7	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Openings STB-1A and STB-2 are scheduled as aluminum door and frames. These openings are also scheduled as 60 minute fire rated. The project manual does not have a specification for fire rated aluminum doors and frames. Please review and confirm if these openings should be aluminum or hollow metal?	These doors will be 60 minutes and hollow metal doors. Revision to be issued via addendum
8	Courthouse		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening 163B is missing a hardware set assignment. Please advise what hardware set this opening should be assigned to.	Hardware group E18.2, to be addressed via addendum.
9	Courthouse		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening E110B is shown on the floor plans (6A / A201) but not listed on the door schedule. Per the floor plan notes this opening is required to receive new hardware. Please confirm what hardware set this opening should be assigned to.	Door added to door schedule and will be issued via addendum. Hardware group E18.0.
10	Public Safety Center / Courthouse		10/28/25	11/04/25	JE Dunn DFH QA/QC	Elevations 105, 106, and 107 indicate the vertical dimensions of the door. This is to add hardware mounting brackets with the lite and maintain the wood door manufacturer’s warranty this dimension needs to be enlarged to 8”. Please confirm that this is	8” is acceptable. To be address via future addendum.
11	Public Safety Center		10/28/25	11/04/25	JE Dunn DFH QA/QC	The wood door specifications make a reference to bullet resistant doors, but the door schedule does not indicate that any of the doors are to be bullet resistant. Please confirm that none of the doors are required to be bullet resistant.	Door A104B will be updated to a bullet resistant door. To be address via future addendum.
12	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Please confirm if the wood doors are required to be FSC Certified or not.	Yes, they should be FDC Certified wood.
13	Courthouse		10/28/25	11/04/25	JE Dunn DFH QA/QC	The courthouse remodel specifications only list Forte as an approved wood door manufacturer. We have had quality issues with this manufacturer. The public safety center specifications list other manufacturers as approved. Please confirm the approved manufacturers in the Public Safety Center are acceptable at the Courthouse	For the Courthouse, the intent is to match existing. The material schedule on A600 calls out Masonite Architectural, Aspiro series, White Maple - Caramel to match existing. This would be preferred. Otherwise as long as the stain can match exactly, we’re open to other preferred manufacturers.
14	Courthouse		10/28/25	11/07/25	JE Dunn DFH QA/QC	The courthouse specifications do not indicate what veneer is required. The specifications only say White. Please confirm that the specifications should specify White Birch doors to match the specifications for the public safety center. Please confirm if the wood doors are required to be FSC Certified or not.	White maple veneer to match existing doors at the Courthouse. Will be revised via addendum. Door specifications are different between PSC and Courthouse. Wood doors are to be FSC certified.
15	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening A104A / Hardware Set 11.0 – The hardware set indicates that a wall stop is required, but this opening has a glass side lite that will not allow a wall stop to be used. Please confirm that a closer with a built in stop should be specified in lieu of a wall stop.	Hardware group has been updated to remove wall stop and include overhead stop.
16	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening STB-2 / Hardware Set 38.0 – The hardware set specifies an electric strike, and this opening is also fire rated. Because of the fire rating, the electric strike will fail secure, so when the fire alarm is activated, this door will remain locked preventing stairwell re-entry. Please review and confirm this this is the desired function of this opening.	This is panic hardware so Training Room can always egress into the stair. One cannot enter from the stairwell into the training room just like normal function. A person who has a card can still access training room.
17	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening A101A / Hardware Set 238.0 – The system plans (E401) indicate that an automatic door operator is required, but the hardware schedule does not specify an automatic door operator. Please confirm if an automatic door operator is required.	Hardware group revised to include an automatic opener.
18	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening A101B is missing from the system plans (E401). Please review and add this opening to the system plans.	Door to be added to systems plan. To be address via addendum.
19	Public Safety Center		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening STB-1A / Hardware Set 38.2 – The hardware schedule has specified electrified hardware that would require a card reader on the push and pull side of the door but the system plans (E401) show that a card reader is only required on the pull side of the door. Please confirm if a card reader is required on both sides of the door or just one side. If the card reader is required on one side, please confirm what the new hardware set assignment should be.	This should be hardware group 38.0.
20	Courthouse		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening E110B is shown on the system plans (E401) to receive a card reader, but this opening is not listed on the door schedule. Please add opening to door schedule and confirm what hardware set this opening should be assigned to.	Duplicate item to #9. Door added to door schedule and will be issued via addendum. Hardware group E18.0.
21	Courthouse		10/28/25	11/07/25	JE Dunn DFH QA/QC	Opening 161 / Hardware Set 15.0 – The system plans (E401) indicate that a card reader is required, but the hardware schedule does not indicate that a card reader is required. Please confirm if a card reader is required or not. If a card reader is required, please indicate what hardware set this opening should be assigned to.	Hardware group updated to 18.2.
22	Courthouse		10/29/25	11/04/25	Drywall	Can a wall assembly be provided for the wall infill at Restroom 160?	F4 partitions can be used. Face of gypsum to align with existing face of gypsum.
23	Courthouse	A213	10/29/25	11/04/25	Drywall	Is there any drywall framing required at SF04, A213, to prepare for new security storefront? If so please provide details.	See details 4D, 5D & 6D/A302. Intention is that glazing channels be mounted to existing framed opening and counter.
24	Courthouse		10/30/25	11/04/25	Rough Carpentry	There are no structural details for the construction of the ramp or raised platforms at the Courtroom.	There will not be structural details. Framing is noted as 2x construction at 12" O.C. with 3/4" fire treated plywood. All wood 2x and wood sheathing to be fire treated.

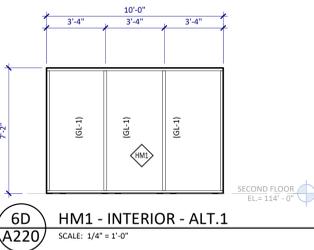
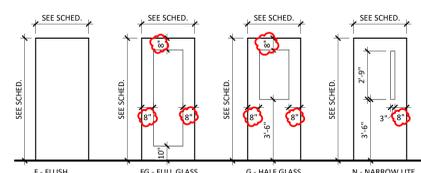
27	Courthouse		10/30/25		Fire Suppression	Need to verify AHJ and Owner requirements for Temporary Fire Suppression System at Courthouse.	
28	Courthouse		10/30/25		Fire Alarm	Need to verify AHJ and Owner requirements for Temporary Fire Alarm System at Courthouse.	
29	Courthouse		10/30/25		All MEPFS	Need to verify Owner requirements for second shift and weekend work for shut-downs, tie-ins, etc.	
31	Public Safety Center		10/30/25		Precast Concrete & Electrical / LV	Are electrical and low voltages boxes, conduit, etc. at precast to be surface-mounted (exposed) or recessed/embedded in precast?	
32	Public Safety Center	A210	10/30/25	11/04/25	Roofing	Can PAVER-1 (concrete paver) be simplified to an adhered walking pad?	Since the roof is ballasted, we prefer to continue using concrete pavers.
33	Public Safety Center	09 5426	10/30/25	11/04/25	Acoustic Ceilings	Section 09 5426, Suspended Wood Ceilings, 2.02.c specifies that wood grilles are needed. Sheet A600 specifies WCS-1 as linear wood ceilings. Can you confirm the item needed for WCS-1: grilles or linear?	WCS-1 is a linear wood ceiling product. This will be updated via addendum.
34	Public Safety Center	08 8430	10/30/25	11/04/25	Acoustic Ceilings	Section 09 8430, Sound-Absorbing Wall & Ceiling Units, 2.01.C specifies that Fabric-Covered Acoustical Wall Panels (SAWP) are needed. I wasn't able to find this on the material schedule or interior elevations. Can you confirm if/where the SAWP is needed? If SAWP is needed, can you confirm the item needed?	There are no fabric covered acoustical wall panels in the project. This product will be removed via addendum. .
35	Public Safety Center	09 5423	10/30/25	11/04/25	Acoustic Ceilings	Section 09 5423, Linear Metal Ceilings, specifies that MCT is needed. I wasn't able to find this item on the material schedule. Would USG Ceilings Plus Planx Universal be an acceptable item for the MCT?	This product was missing on A600 and should be listed as Armstrong METALWORKS MESH LAY IN AND REGULAR -CASCADES 6139AM. This will be added via addendum. USG Ceilings Plus Planx Universal is not an approved equal.
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							

FRAME TYPES



NOTE: "A" SUFFIX INDICATES 4" HEAD
NOTE: FRAME THICKNESS IS TYPICAL FOR HM DOORS, VERIFY FRAME THICKNESS WITH DETAILS

DOOR TYPES



DOOR SCHEDULE

NUMBER	HW SET	RATING	PANEL INFO			DOOR TYPE			FRAME INFO			DETAIL INFO			NOTES	REV.	
			ROOM NAME	WIDTH	HEIGHT	THK	MAT'L	FINISH	GLZ	MAT'L	FINISH	GLZ	JAMB	HEAD			SILL
101E.1	38.2	--	NORTH HALLWAY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	8	HM	PT-7	GL-1			
101E.2	33.1	--	COURT LOBBY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	8	HM	PT-7	GL-1	2A/A220	2B/A220	
101E.4	5.0	--	HALLWAY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7	GL-1	2A/A220	2B/A220	
101F	19.0	--	COURT LOBBY	3'-0"	7'-0"	1 3/4"	FG	AL	PREFIN	INSUL GL-1	SF13	AL	PREFIN	INSUL GL-1			
107	19.0	--	WOMEN RESTROOM	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
108	19.0	--	MEN RESTROOM	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
109A	368.0	--	VESTIBULE	6'-0"	7'-0"	1 3/4"	FG-FG	AL	PREFIN	INSUL GL-1	CW02	AL	PREFIN	INSUL GL-1			
109B	269.0	--	COURT LOBBY	3'-0"	7'-0"	1 3/4"	FG-FG	AL	PREFIN	GL-1	CW03	AL	PREFIN	GL-1			
110B	618.0	--	ADMIN OFFICES	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	2	HM	PT-7				NEW DOOR HARDWARE ONLY
141	5.0	--	FLEX SPACE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
142	5.0	--	OFFICE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7		5B/A220	6B/A220	
143	3.0	--	CONF. RM	3'-0"	7'-0"	1 3/4"	N	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
150	18.1	--	RECEPTION	3'-0"	7'-0"	1 3/4"	N	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
152	5.0	--	OFFICE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
154	5.0	--	OFFICE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
155	5.0	--	OFFICE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
158	18.2	--	HALLWAY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
159	18.2	--	HALLWAY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
160	12.1	--	RESTROOM	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
161	18.2	--	JUDGE'S CHAMBER	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
161A	1.2	--	JUDGE'S CHAMBER	4'-0"	7'-0"	1 3/4"	F-F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
161B.1	15.0	--	EXIT	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7				
161B.2	118.0	--	EXIT	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7				
162	48.0	--	COURT LOBBY	6'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	3	AL	PREFIN	GL-1	2A/A220	2B/A220	
162A	14.1	--	STORAGE	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
162B	14.1	--	A.V. STORAGE	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
162C	38.1	--	COURTS HALLWAY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
163B	618.2	--	HALLWAY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1A	HM	PT-7				NEW DOOR HARDWARE ONLY
164B	618.0	--	HALLWAY	3'-0"	7'-0"	1 3/4"	N	WD	PREFIN	GL-1	1	HM	PT-7				NEW DOOR HARDWARE ONLY
165	18.2	--	JUDGE (HEARING)	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7				NEW DOOR HARDWARE ONLY
165A	18.2	--	JUDGE (HEARING)	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7				NEW DOOR HARDWARE ONLY
166	18.1	--	SALLY PORT	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1A	HM	PT-7		3A/A220	3B/A220	
170	13.3	--	CONFERENCE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7				
171	1.0	--	COURTS HALLWAY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7				
172	18.0	--	ENTRY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
174	12.0	--	ENTRY	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
175	12.0	--	RESTROOM	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
176	1.0	--	MEETING ROOM	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7	GL-1	2A/A220	2B/A220	
177	1.0	--	MEETING ROOM	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7	GL-1	2A/A220	2B/A220	
187	61.0	--	MECH OR STORAGE	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1A	HM	PT-7				NEW DOOR HARDWARE ONLY
189A	11.0	--	HOLDING ROOM	3'-0"	7'-0"	1 3/4"	N	WD	PREFIN	GL-1	1A	HM	PT-7		3A/A220	3B/A220	

DOOR SCHEDULE - ALTERNATE 1

NUMBER	HW SET	RATING	PANEL INFO			DOOR TYPE			FRAME INFO			DETAIL INFO			NOTES	REV.	
			ROOM NAME	WIDTH	HEIGHT	THK	MAT'L	FINISH	GLZ	MAT'L	FINISH	GLZ	JAMB	HEAD			SILL
210A	11.0	--	LOBBY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	SF-10	AL	PREFIN		3D/A302	2D/A302	
210B	18.0	--	HALL	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
211A	1.0	--	LOBBY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
211B	18.1	--	CONFERENCE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	SF05	AL	PREFIN		3D/A302	2D/A302	
230A	31.0	--	LOBBY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	SF09	AL	PREFIN		3D/A302	2D/A302	
230B	31.0	--	LARGE MEETING ROOM	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	SF10	AL	PREFIN		3D/A302	2D/A302	
231	1.1	--	LARGE MEETING ROOM	6'-0"	7'-0"	1 3/4"	F-F	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	
238A	11.1	--	LOBBY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	SF07	AL	PREFIN		3D/A302	2D/A302	
238B	18.0	--	HUMAN SERVICES	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
239A	3.0	--	LOBBY	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
239B	18.0	--	HUMAN SERVICES	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
240	3.0	--	CONFERENCE	3'-0"	7'-0"	1 3/4"	F	WD	PREFIN	GL-1	1	HM	PT-7		2A/A220	2B/A220	
243	5.0	--	OFFICE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7	GL-1	2A/A220	2B/A220	
244	5.0	--	HUMAN SERVICES	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7	GL-1	2A/A220	2B/A220	
245	5.0	--	WORKROOM	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7				EXISTING DOOR FRAME TO REMAIN
246	5.0	--	OFFICE	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	2	HM	PT-7	GL-1	5B/A220	6B/A220	
247	1.0	--	HUMAN SERVICES	3'-0"	7'-0"	1 3/4"	FG	WD	PREFIN	GL-1	1	HM	PT-7		5B/A220	6B/A220	

SHEET SPEC ID LIST

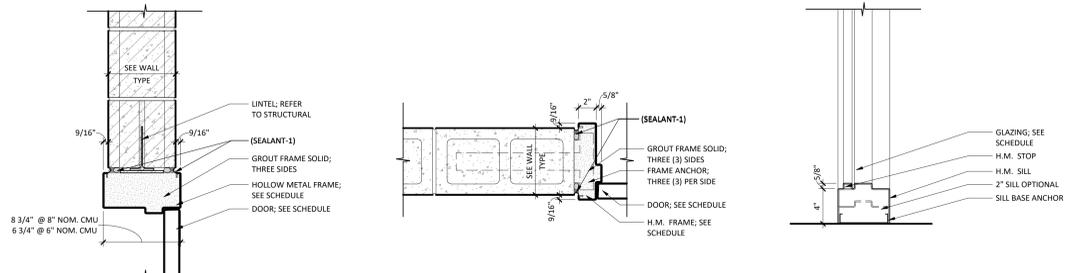
SPEC ID	SPEC SECTION & DESCRIPTION
GL-1	08 4313 - ALUMINUM STORE FRONT
GL-1	08 8000 - 1/4" INCH GLASS
GYP BD-1	09 2116 - 5/8" TYPE X GYPSUM BOARD
MAS ACC-5	04 2000 - JOINT MORTAR CONTROL MESH
SEALANT-1	07 9200 - JOINT SEALANT OR CAULKING WITH OR WITHOUT BACKER ROD
TWF-1	04 2000 - RUBBERIZED ASPHALT FLASHING WITH STAINLESS STEEL DRIP
WD SHTG-32F	06 1000 - 3/4" SHEATHING, FIRE RETARDANT TREATED
WDP-1	06 4200 - WOOD PANELING



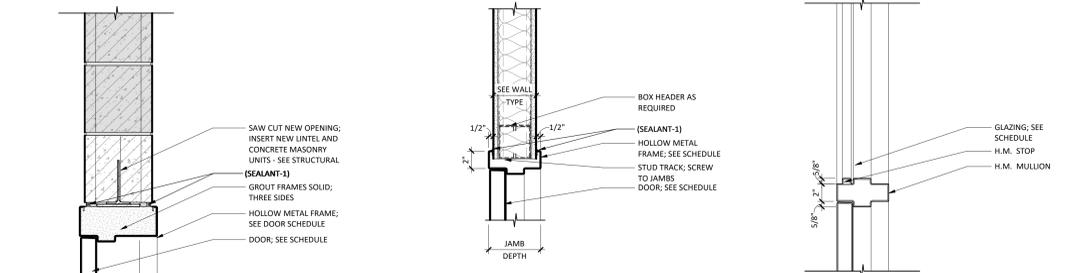
402 East Main Avenue
Bismarck, ND 58501
phone: (701) 255-1617
www.jlgarchitects.com
copyright © 2025



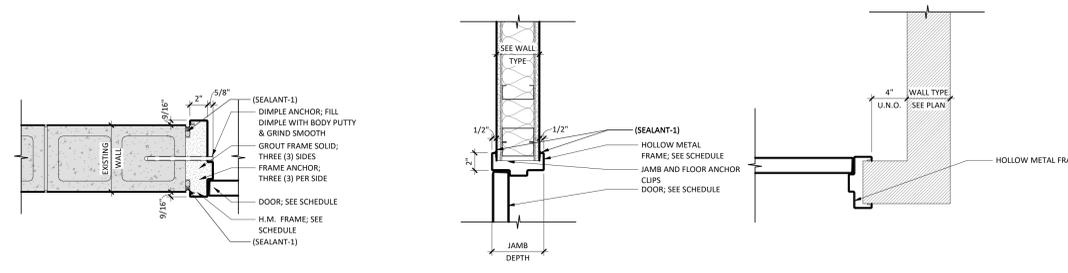
NO.	DESCRIPTION	DATE
1	ADDENDUM #2	11/07/25



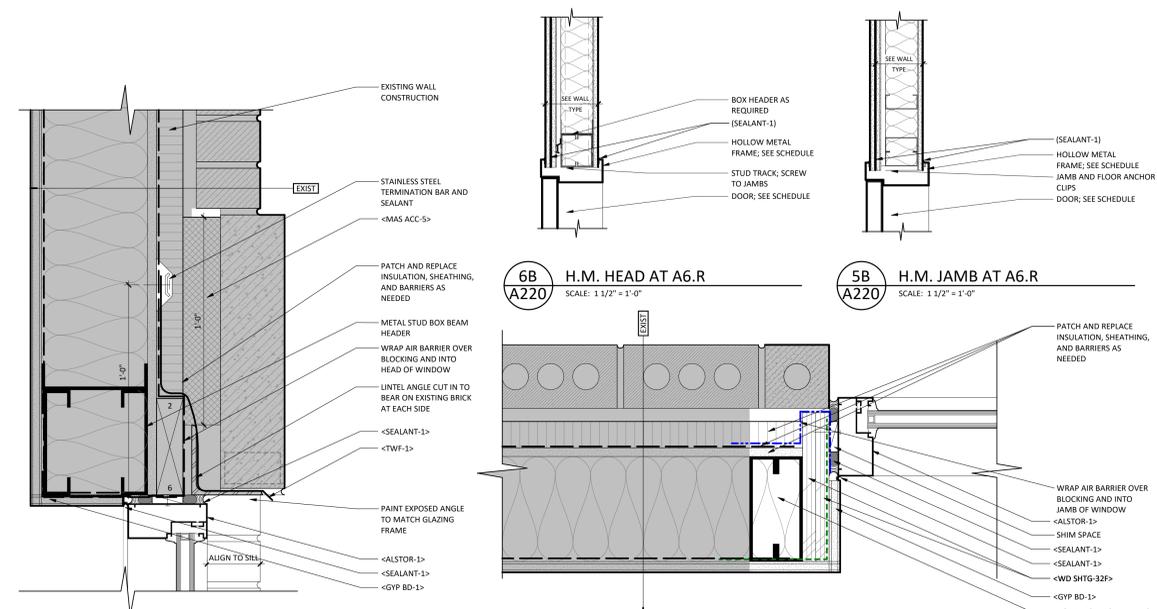
3C H.M. HEAD AT MASONRY OPTION 2 SCALE: 1 1/2" = 1'-0"
2C H.M. JAMB AT MASONRY OPTION 2 SCALE: 1 1/2" = 1'-0"
1C H.M. SILL AT SIDELITE SCALE: 1 1/2" = 1'-0"



4B WDP-1 OPENING HEAD DETAIL SCALE: 3" = 1'-0"
3B H.M. HEAD AT EXISTING CMU SCALE: 1 1/2" = 1'-0"
2B H.M. HEAD AT GYPSUM BOARD SCALE: 1 1/2" = 1'-0"



4A WDP-1 OPENING JAMB DETAIL SCALE: 3" = 1'-0"
3A H.M. JAMB AT EXISTING CMU SCALE: 1 1/2" = 1'-0"
2A H.M. JAMB AT GYPSUM BOARD SCALE: 1 1/2" = 1'-0"



6A SF HEAD AT EXISTING MASONRY NOT TO SCALE
5A SF JAMB AT EXISTING MASONRY SCALE: 3" = 1'-0"

DUNN COUNTY COURTHOUSE REMODEL MANNING, ND

DATE: 10/21/2025
PHASE: CONSTRUCTION DOCUMENTS
PROJECT: 24146
SHEET: A220
DOOR SCHEDULE & FRAME TYPES



ADDENDUM

JLG 24146-5 Dunn County Courthouse Renovation

RE: addendum

Issued: November 7, 2025

ADDENDUM #: 02

NOTICE TO CONTRACTORS

This Addendum is prepared to supplement information presented in the Drawings and Project Manual dated October 21, 2025 for the above referenced project. All additions, changes, omissions and conditions listed herein shall become an integral part of the Contract Documents.

SPECIFICATIONS

1. SECTION 23 0993 – SEQUENCE OF OPERATIONS FOR HVAC CONTROLS
 - o Replaced section in its entirety.

DRAWINGS

1. M402 – FIRST FLOOR PLAN HVAC
 - o SCHEDULE 238000 – ELECTRIC DUCT HEATER SCHEDULE
 - Modified electric phases for electric duct heater elements.
2. M600 – SCHEDULES
 - o SCHEDULE 224000 – PLUMBING FIXTURE SCHEDULE
 - S-1 FIXTURE CHANGED TO MODEL LRAD 331955

END OF ADDENDUM

SECTION 23 0993 - SEQUENCE OF OPERATIONS FOR HVAC CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This section defines the manner and method by which controls function. Requirements for each type of control system operation are specified. Equipment, devices, and system components required for control systems are specified in other sections.

1.02 RELATED REQUIREMENTS

- A. Section 23 0913 - Instrumentation and Control Devices for HVAC.
- B. Section 23 0923 - Direct-Digital Control System for HVAC.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Sequence of Operation Documentation: Submit written sequence of operation for entire HVAC system and each piece of equipment.
 - 1. State each sequence in small segments and give each segment a unique number for referencing in Functional Test procedures; provide a complete description regardless of the completeness and clarity of the sequences specified in Contract Documents.
 - 2. Include initial and recommended values for all adjustable settings, setpoints and parameters that are typically set or adjusted by operating staff; and any other control settings or fixed values, delays, etc. that will be useful during testing and operating the equipment.
 - 3. For packaged controlled equipment, include manufacturer's furnished sequence of operation amplified as required to describe the relationship between the packaged controls and the control system, indicating which points are adjustable control points and which points are only monitored.
- C. Control System Diagrams: Submit graphic schematic of the control system showing each control component and each component controlled, monitored, or enabled.
- D. Points List: Submit list of all control points indicating at least the following for each point.
 - 1. Name of controlled system.
 - 2. Point abbreviation.
 - 3. Point description; such as dry bulb temperature, airflow, etc.
 - 4. Display unit.
- E. Project Record Documents: Record actual locations of components and setpoints of controls, including changes to sequences made after submission of shop drawings.

1.04 ALARM NOMENCLATURE

- A. Level 1 Fault Alarm: Highest priority alarm. Unit shutdown until condition is gone and fault is manually cleared.
- B. Level 2 Problem Alarm: Unit operation is modified to compensate and alarm automatically clears when the condition is gone.
- C. Level 3 Warning Alarm: Lowest priority alarms. Alarm is indicated to alert operator of condition that needs attention.
- D. Binary Alarm: General alarm when alarm signal is received from equipment controller.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 ROOFTOP UNIT

- A. RTU-2: variable volume geothermal RTU heat pump with supply fan, exhaust fan, air coil, compressor, filters, and economizer.
 - 1. Duct static pressure setpoint reset: Adjust at a frequency of once every 5 minutes.
 - a. Set maximum duct static based on Drawings schedule.
 - b. Decrease duct static pressure setpoint so that the VAV damper with the greatest demand is not less than 80% open.
 - c. Increase duct static pressure setpoint if any VAV damper is at 100% open.
 - 2. Supply air temperature setpoint reset:
 - a. Normal operation during occupied hours: Set to 55 degrees F.
 - b. Linearly increase setpoint as return air temperature drops below 75 degrees F.
 - 3. Supply fan:
 - a. Run fan continuously during occupied hours. Cycle on call for heating during unoccupied hours.
 - b. Modulate fan to maintain duct static pressure setpoint.
 - c. Shut off fan on high static pressure alarm.
 - 4. Exhaust fan:
 - a. Run fan when supply fan is running.
 - b. Modulate fan speed to maintain building pressure.
 - 5. Control valve: Open on call for heating or cooling.
 - a. Valve must be open before compressor runs.
 - 6. Compressor: Cycle to maintain zone temperature setpoint.
 - 7. Reversing valve: Cycle as required to provide heating or cooling.
 - 8. Economizer:
 - a. Unoccupied hours: Set return damper to 100% open and outside air damper to 0% open.
 - b. Occupied hours: Open outside air damper to minimum position set by test and balance for ventilation.
 - c. Economizer mode: When outside air is below 55 degrees F, modulate return and outside air dampers to deliver 55 degree F supply air.
 - 1) Lock out mechanical cooling during economizer mode.
 - d. Freeze Protection: If freezing temperatures are detected, close outside air damper and full open return air damper.
 - 9. Filters: Measure differential pressure over filters and alarm on pressure increase.
- B. Display: For each air handler:
 - 1. Actual temperatures for supply air, return air, exhaust air, outside air, mixed air.
 - 2. Setpoint temperatures for supply air.
 - 3. Duct pressure setpoint and actual.
 - 4. Occupied status.
 - 5. Supply fan status and speed.
 - 6. Exhaust fan status and speed.
 - 7. Heating/Cooling status.
 - 8. Control-valve position.

9. Filters Normal/Dirty status.
10. Critical zone VAV for pressure zone optimization.
11. Alarms.
 - a. Binary: VFD fault.
 - b. Binary: Heat pump factory alarm status.
 - c. Level 1: High static pressure trip.
 - d. Level 2: Freezestat trip.
 - e. Level 2: Supply fan fail.
 - f. Level 2: Exhaust fan fail.
 - g. Level 2: Supply air temperature 10 degree F from setpoint.
 - h. Level 3: Supply or return fan in Hand operation.
 - i. Level 3: Dirty filters.
12. BAS system graphic.

3.02 AIR TERMINAL UNITS (VAV'S)

- A. Single-duct, Variable Volume:
 1. Cooling with Reheat:
 - a. VAV's are installed to provide for future variable volume air handler. Sequence units to operate as hydronic reheat coil. Dampers shall remain open.
 - b. Hydronic heating coils: Open control valve to maintain zone heating temperature setpoint. Provide night setback.
- B. Display:
 1. Zone temperature: actual and set point.
 2. Discharge air temperature: actual and set point.
 3. Airflow: actual and setpoint.
 4. Occupied status.
 5. Control-valve positions as percent open.
 6. Damper positions as percent open.
 7. Alarms.
 - a. Level 2: Zone temperature 5°F outside of setpoint.
 8. BAS system graphic.

3.03 CABINET HEATERS

- A. Hydronic heat:
 1. Cycle fan and open control valve to maintain zone temperature.
 2. Cycle fan to maintain zone temperature.
 3. Unit control by others. Open control valve when outside air temperature is below 45 degrees F.
- B. Display:
 1. Outside air temperature.
 2. Zone temp: actual and set point.
 3. Control valve position.
 4. Fan operation status.
 5. Alarms.
 - a. Level 2: Zone temperature 5 degrees F from setpoint.
 6. BAS system graphic.

3.04 FANS

- A. Toilet room exhaust: Control by others.

3.05 HEAT PUMPS

- A. Water-to-Air, with control valve: Packaged water-to-air heat pump with factory control package and low voltage terminal; control valve on water side.
 - 1. Fan: Run continuously during occupied hours; cycle on call for heating and cooling during unoccupied hours.
 - 2. Control valve: Open on call for heating or cooling.
 - a. Valve must be open before compressor runs.
 - 3. Typical Compressor: Cycle to maintain zone temperature setpoint.
 - 4. HP-5 Compressor: Cycle to maintain supply air temperature setpoint.
 - a. Supply air temperature setpoint shall linearly adjust between 55 and 65 degree F inversely to outdoor air temperatures between 20 and 50 degree F.
 - 5. Reversing valve: Cycle as required to provide heating or cooling.
- B. Display:
 - 1. Zone Temp: actual and set point.
 - 2. Occupied mode.
 - 3. Heating/Cooling status.
 - 4. Control-valve position.
 - 5. Supply fan status.
 - 6. Alarms.
 - a. Binary: Heat pump factory alarm status.
 - b. Level 2: Condensate overflow.
 - c. Level 2: Zone temperature 5 degree F outside of setpoint.
 - 7. BAS system graphic.

3.06 HEATING COILS

- A. Electric heating coil, multi-stage: Energize stages to maintain heating discharge air temperature setpoint.
- B. Display:
 - 1. Zone temperature: actual and set point.
 - 2. Discharge air temperature: actual and set point.
 - 3. Alarms:
 - a. Level 2: Discharge temperature 10°F below setpoint.
 - 4. BAS system graphic.

3.07 RADIATION AND CONVECTORS

- A. Heating unit: Open control valve to maintain zone heating temperature.
 - 1. Close valve if zone goes into cooling mode.
- B. Display:
 - 1. Zone temperature: actual and set point.
 - 2. Control-valve positions as percent open.
 - 3. Alarms:
 - a. Level 2: Zone temp 5°F below setpoint.
 - 4. BAS system graphic.

3.08 SEWAGE PUMP

- A. Description: Sump pump with factory controls, SP-1
- B. Monitor sump pump controller high water alarm.
- C. Display:
 - 1. Alarms:
 - a. Level 2: High water alarm.
 - 2. BAS system graphic.

3.09 UNIT HEATERS

- A. Hydronic heating coil with single speed fan: Open control valve and start fan on call for heat.
- B. Electric heating coil with single speed fan: Start fan and activate heating coil on call for heat.
- C. Gas-fired heat exchanger with single speed fan: Start fan and activate furnace on call for heat.
- D. Display:
 - 1. Zone temperature: actual and set point.
 - 2. Control-valve positions as percent open.
 - 3. Fan operation status.
 - 4. Alarms:
 - a. Level 2: Zone temp 5°F below setpoint.
 - 5. BAS system graphic.

END OF SECTION

238000 - ELECTRIC DUCT HEATER SCHEDULE

NOTES:

1. PROVIDE MEANS TO SECURE HEATER INDEPENDENT OF DUCT REINFORCEMENT/SUPPORT
2. MODULATING CONTROL WITH OVERHEAT PROTECTION

MARK	MANUFACTURER	MODEL	DIMENSIONS		AIRFLOW	VELOCITY	ENTERING AIR TEMP (EAT)	LEAVING AIR TEMP (LAT)	CAPACITY	ELECTRICAL			NOTES
			HEIGHT	WIDTH						VOLT	PH	HZ	
EDH 5-1	NEPTRONIC	DF C-01H	8"	8"	200 CFM	450 FPM	60°F	90°F	2 KW	208 V	1	60 HZ	1, 2
EDH 5-2	NEPTRONIC	DF C-01H	8"	8"	250 CFM	560 FPM	60°F	95°F	3 KW	208 V	1	60 HZ	1, 2
EDH 5-3	NEPTRONIC	DF C-01H	8"	8"	450 FPM	450 FPM	60°F	100°F	2 KW	208 V	1	60 HZ	1, 2
EDH 5-4	NEPTRONIC	DF C-01H	8"	8"	200 CFM	450 FPM	60°F	90°F	2 KW	208 V	1	60 HZ	1, 2
EDH 5-5	NEPTRONIC	DF C-01H	12"	12"	750 CFM	750 FPM	60°F	89°F	8 KW	208 V	3	60 HZ	1, 2
EDH 5-6	NEPTRONIC	DF C-01H	8"	8"	200 CFM	450 FPM	60°F	100°F	3 KW	208 V	1	60 HZ	1, 2
EDH 5-7	NEPTRONIC	DF C-01H	8"	8"	200 CFM	450 FPM	60°F	100°F	3 KW	208 V	1	60 HZ	1, 2
EDH 5-8	NEPTRONIC	DF C-01H	10"	12"	600 CFM	720 FPM	60°F	91°F	6 KW	208 V	1	60 HZ	1, 2
EDH 5-9	NEPTRONIC	DF C-01H	8"	8"	250 CFM	560 FPM	60°F	85°F	2 KW	208 V	1	60 HZ	1, 2
EDH 5-10	NEPTRONIC	DF C-01H	10"	10"	500 CFM	600 FPM	60°F	85°F	4 KW	208 V	1	60 HZ	1, 2

KEYNOTE LEGEND

1. M.C. SHALL COORDINATE WITH G.C. FOR FINAL ERU LOCATION AND ROOF PENETRATIONS.

PIPING VALVE & ACCESSORY LEGEND

- BALL VALVE
- BALL VALVE INDICATOR
- BUTTERFLY VALVE
- GATE VALVE
- VENTURI FLOW MEASURING DEVICE
- CHECK VALVE
- 2-WAY HYDRONIC CONTROL VALVE
- 2-WAY DOMESTIC CONTROL VALVE
- 3-WAY CONTROL VALVE
- DRAIN VALVE
- STRAINER
- MANUAL AIR VENT
- AUTO AIR VENT
- TEMPERATURE GAUGE
- PRESSURE GAUGE
- SENSOR
- CIRCUIT SOLVER
- UNION

PIPING LEGEND

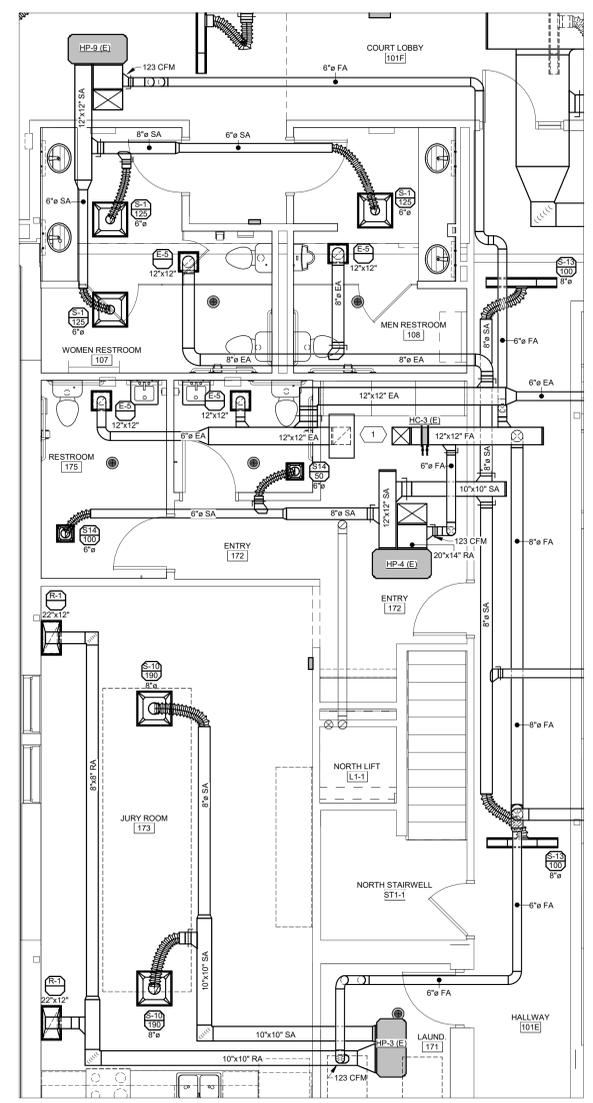
- ABOVEGROUND WASTE
- UNDERGROUND WASTE
- VENT
- RC - RAIN CONDUCTOR
- CW - DOMESTIC COLD WATER
- HW - DOMESTIC HOT WATER
- RHW - RECIRC HOT WATER
- RECIRC HOT WATER
- HWS - HOT WATER HTG SUPPLY
- HWR - HOT WATER HTG RETURN
- HPS - HEAT PUMP SUPPLY
- HPR - HEAT PUMP RETURN
- COND - CONDENSATE DRAIN
- RS - REFRIGERANT LINE SET
- GEOTHERM WS - GEOTHERMAL WELL WATER SUPPLY
- GEOTHERM WR - GEOTHERMAL WELL WATER RETURN
- CONNECT TO EXISTING

HVAC LEGEND

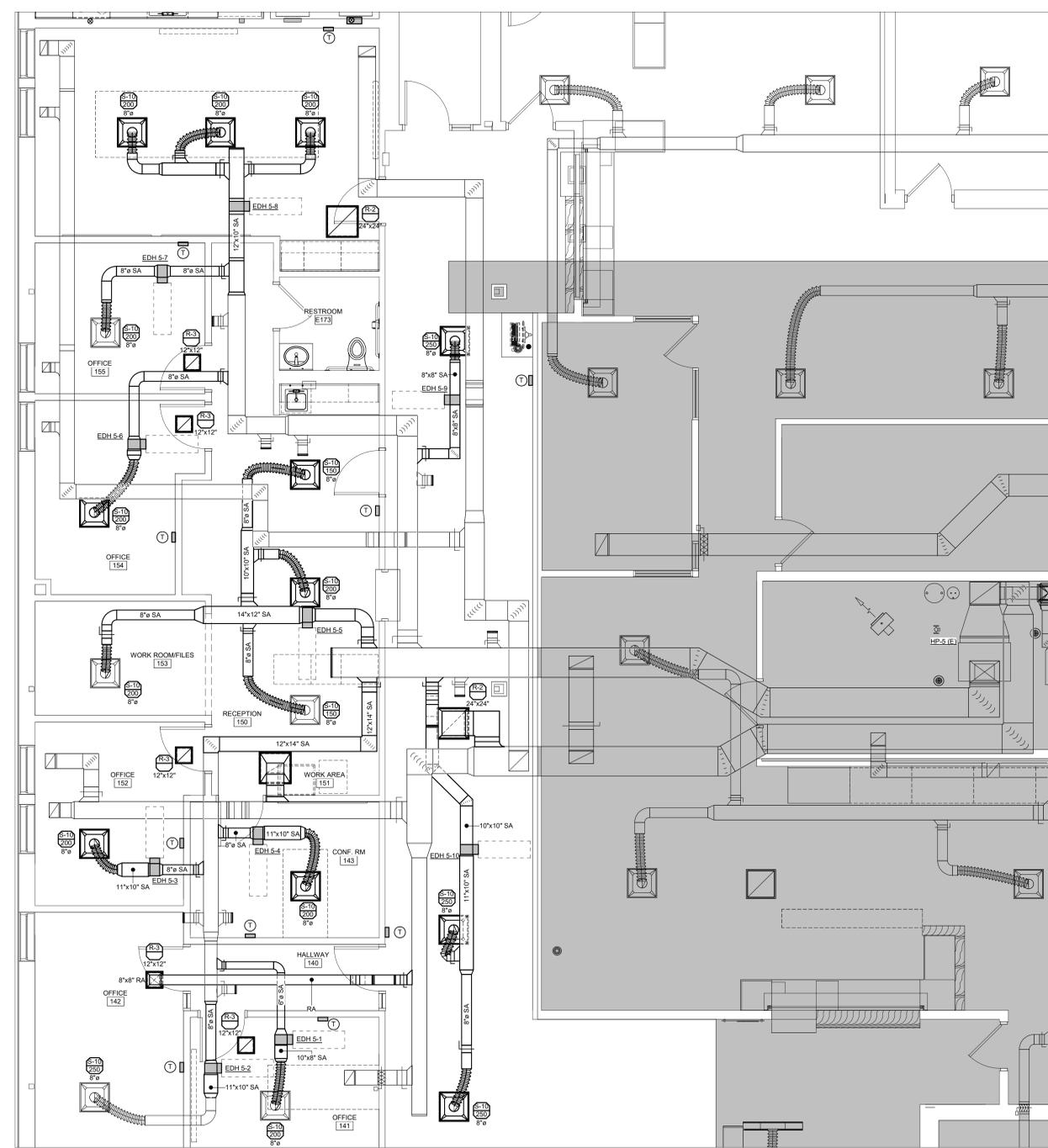
- POSITIVE PRESSURE DUCT
- NEGATIVE PRESSURE DUCT
- MANUAL DAMPER
- MOTORIZED DAMPER
- FIRE DAMPER
- COMB. SMOKE/FIRE DAMPER
- BACK DRAFT DAMPER
- ACCESS DOOR
- ELBOW WITH TURNING VANES
- HI-EFFICIENCY TAKEOFF (W/ VOLUME DAMPER)
- FLEXIBLE DUCT
- CONNECT TO EXISTING
- AIR TERMINAL TAG
- AIR TERMINAL MARK
- AIR TERMINAL CFM
- AIR TERMINAL SIZE

LINE TYPE LEGEND

- EXISTING
- NEW
- REMOVE
- HIDDEN
- MATCHLINE

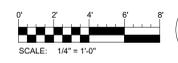
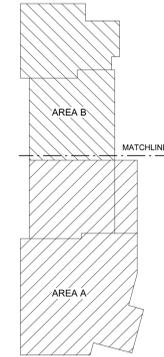


2 M402 FIRST FLOOR PLAN - AREA B - BASE BID DETAIL
1/4" = 1'-0"



1 M402 FIRST FLOOR PLAN - AREA B - HVAC - ALTERNATE BID 3
1/4" = 1'-0"

KEY PLAN



REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	11/29/25
2	ADDENDUM #2	11/07/25

DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

DATE: 10/21/2025
PHASE: CONSTRUCTION DOCUMENTS
PROJECT: 24146
SHEET: **M402**
FIRST FLOOR PLAN HVAC

221200 - OUTLET BOXES

SCHEDULE NOTES:

- WHERE BOXES ARE INSTALLED IN FIRE RATED WALLS, PROVIDE FIRE RATED BOX.
- MOUNTING HEIGHT SHALL BE COORDINATED PRIOR TO INSTALLATION.

TAG	QTY	FIXTURE	MANUFACTURER	MODEL	NOTES
BX-1	1	CLOTHES WASHER BOX	GUY GRAY	T150	1, 2
BX-2	2	ICE MAKER OUTLET BOX	GUY GRAY	88531	1, 2

233700 - AIR TERMINAL SCHEDULE

SCHEDULE NOTES:

- M.C. TO PROVIDE SHEET METAL TRISITION FROM DUCT TO GRILLE AS REQUIRED.
- PLAQUE TYPE DIFFUSER
3. CONE TYPE DIFFUSER
- LONG BLADE
5. SHORT BLADE
- PROVIDE DAMPER
7. FILTER GRILLE, FOR 2 INCH FILTERS
- ROUND DIFFUSER
9. PAINT BLACK INSIDE DUCT SURFACE ABOVE REGISTER
- RECTANGULAR/SQUARE DIFFUSER/GRILLE
11. HEAVY DUTY
- 45 DEGREE BLADES ANGLED UP
13. EGG CRATE GRILLE
- 24"x24" FACE
15. SINGLE DEFLECTION
- DOUBLE DEFLECTION
17. CEILING RADIATION FIRE DAMPER, 1.5 HR RATED
- LINEAR SLOT DIFFUSER, 3 SLOT, 48" LONG
19. LINEAR SLOT DIFFUSER, 3 SLOT, 72" LONG
- SUPPLY SDA PLENUM WITH LINEAR SLOT DIFFUSER
- *CONTRACTOR TO VERIFY CEILING TYPES PRIOR TO ORDERING

TAG	QTY	MANUFACTURER	MODEL	FUNCTION	DIMENSIONS	FINISH	FRAME	MOUNT	NOTES	
					SIZE	NECK				
					DIAMETER					
E-5	6	PRICE INDUSTRIES	80	Exhaust Air	12"x12"	WHITE	TYPE TB	SURFACE	NOTES	
R-1	7	PRICE INDUSTRIES	80	Return Air	22"x12"	WHITE	TYPE F	SURFACE	1, 10, 13, 15	
R-2	3	PRICE INDUSTRIES	80	Return Air	24"x24"	WHITE	TYPE TB	LAY-IN-TILE	1, 10, 13, 15	
R-3	5	PRICE INDUSTRIES	80	Return Air	12"x12"	WHITE	TYPE F	SURFACE	1, 10, 13, 15	
R-4	5	PRICE INDUSTRIES	80	Return Air	24"x24"	WHITE	TYPE F	SURFACE	1, 10, 13, 15	
S-14	3	PRICE INDUSTRIES	SCD	Supply Air	6"ø	WHITE	TYPE F	SURFACE	1, 3, 6, 10	
S-1	7	PRICE INDUSTRIES	SPD	Supply Air	6"ø	WHITE	TYPE 31	SURFACE	1, 2, 6, 10	
S-10	18	PRICE INDUSTRIES	SPD	Supply Air	8"ø	WHITE	TYPE 31	SURFACE	1, 2, 6, 10	
S-12	21	PRICE INDUSTRIES	SDS	Supply Air	8"ø	WHITE	TYPE 14	LAY-IN-TILE	1, 10, 19, 20	
S-13	2	PRICE INDUSTRIES	SDS	Supply Air	8"ø	WHITE	TYPE 14	LAY-IN-TILE	1, 10, 18, 20	

223000 - ELECTRIC WATER HEATER SCHEDULE

SCHEDULE NOTES:

- MOUNT ON 4" CONCRETE HOUSEKEEPING PAD
- SET TEMPERATURE TO 120 DEGREES
- WIRE FOR SIMULTANEOUS HEATING ELEMENT OPERATION
- WIRE FOR SEPARATE HEATING ELEMENT OPERATION

MARK	MANUFACTURER	MODEL	HEATING ELEMENT KW	TANK VOLUME	ELECTRICAL	NOTES
			VOLTS	PH	HZ	
WH-1	Rheem	EGSP6	2 kW	6 gal	120 V	1 60 Hz 1,2,4

233400 - FAN SCHEDULE

SCHEDULE NOTES:

- PROVIDE ROOF CURB
- PROVIDE MOUNTING HARDWARE, ISOLATION DEVICES, FRAME WORK FOR SUSPENDED INSTALLATION
- PROVIDE WALL CAP
- PROVIDE FACTORY DISCONNECT
- PROVIDE ECM TYPE MOTOR

MARK	MANUFACTURER	MODEL	FAN TYPE	SYSTEM	AIRFLOW	ESP	RPM	SONES	SPEED CONTROL	MOTOR	VOLT	Ph	Hz	notes
EF-5	GREENHECK	SP-B150	CEILING	EXHAUST FAN	70 CFM	0.38 in-wg	669	3.5	SS	129 W	120 V	1	60 Hz	2, 4, 5

223000 - SUMP PUMP SCHEDULE

SCHEDULE NOTES:

- SEE DETAIL FOR ACCESSORIES
- AUTOMATIC PUMP CONTROL WITH HIGH WATER ALARM AND CONTACT FOR BAS ALARM
- PROVIDE PUMPS WITH 15' CORDS

MARK	MANUFACTURER	MODEL	TYPE	FLOW	PRESSURE	MOTOR INFORMATION	NOTES
				HP	V	PH	HZ
SP-1	ZOELLER	M292	SP	46 GPM	22.54 ftH2O	0.5 hp 115 V 1	60 Hz 1

221300 - WASTE FIXTURE SCHEDULE

SCHEDULE NOTES:

-
-

TAG	QTY	TYPE	MFR	MODEL	DESCRIPTION
FD-1	6	FLOOR DRAIN	WATTS	FD-102-AS	Finished Area Floor Drain with Round Strainer

224000 - PLUMBING FIXTURE SCHEDULE

SCHEDULE NOTES:

- SCHEDULE IS ABBREVIATED. SEE PLUMBING SPECIFICATIONS SECTION 224000 FOR FULL SPECIFICATIONS.
- SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS
- SEAL JOINTS BETWEEN FIXTURES AND FLOORS/WALLS WITH MILDEW RESISTANT SEALANT. MATCH COLOR TO FIXTURE

TAG	QTY	FIXTURE				FAUCET/VALVE			DESCRIPTION
		TYPE	MFR	MODEL	ADA	MFR	MODEL	OPTION	
EW-1	2	WATER COOLER	ELKAY	LZSTL8WSMP	Yes	INTEGRAL	INTEGRAL		SURFACE WALL MOUNT, SS BASIN, INTEGRAL DRAIN GRIDS, SINGLE LEVEL WHEELCHAIR ACCESSIBLE, FRONT PUSH-BARS, BOTTLE FILLING STATION, 120V, PROVIDE CORD AND PLUG FOR POWER CONNECTION.
LAV-1	6	LAVATORY	ZURN	25120	Yes	ZURN	Z66915-XL	HANDS FREE	19" VITREOUS CHINA, SELF-RIMMING, COUNTERTOP LAVATORY, 0.5 GPM
LAV-2	2	LAVATORY	ZURN	25399	Yes	ZURN	Z66915-XL	HANDS FREE	19" X 17" VITREOUS CHINA, SELF-RIMMING, WALL HUNG LAVATORY, 0.5 GPM
S-1	1	SINK - GENERAL PURPOSE	ELKAY	LRAD331955	Yes	ZURN	Z7870C-XL	SINGLE HANDLE	CLASSIC STAINLESS STEEL 33" X 19-1/2" X 5 1/2" EQUAL DOUBLE BOWL DROP-IN SINK, WITHOUT SPRAY, 2.2 GPM
S-2	1	SINK - GENERAL PURPOSE	ZURN	LRADQ31955	Yes	ZURN	Z7870C-XL	SINGLE HANDLE	SINGLE BOWL DROP-IN ADA SINK WITH QUICK CLIP, STAINLESS STEEL, WITHOUT SPRAY, SINGLE HANDLE FAUCET 2.2 GPM
UR-1	1	URINAL	ZURN	25755-U	No	ZURN	Z6905AV	SINGLE HANDLE	VITREOUS CHINA, 0.125 GPF TO 1.0 GPF, WALL HUNG, INTEGRAL TRAP-WASH DOWN URINAL-FLUSH VALVE
WC-1	5	WATER CLOSET - ADA	ZURN	Z5551-K	Yes	INTEGRAL	INTEGRAL	INTEGRAL	VITREOUS CHINA, 1.6 GPF LOW CONSUMPTION, HIGH PERFORMANCE, ADA, ELONGATED, SIPHON JET
WC-2	1	WATER CLOSET	ZURN	Z5535-K	No	INTEGRAL	INTEGRAL	INTEGRAL	VITREOUS CHINA, HIGH EFFICIENCY, 1.28 GPF, STD HEIGHT, ELONGATED, TOILET

233000 - HW REHEAT VAV SCHEDULE

SCHEDULE NOTES:

- HEATING CAPACITIES BASED ON 30% PROPYLENE GLYCOL

MARK	MANUFACTURER	MODEL	SIZE	AIRFLOW				HOT WATER COIL										NOTES
				CLG. MAX	CLG. MIN	HEATING	APD	ROWS	CAP.	GPM	EWT	EAT	LAT	FPD				
VAV-2-5	Titus HVAC	DESV	SIZE 24 X 16	3000 CFM	1000 CFM	2400 CFM	0.2 in-wg	1	69,600 Btu/h	3 GPM	130 °F	55 °F	95 °F	0.11 ftH2O	1			
VAV-2-6	Titus HVAC	DESV	Size 06	250 CFM	83 CFM	200 CFM	0.05 in-wg	1	8,600 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.48 ftH2O	1			
VAV-2-7	Titus HVAC	DESV	Size 06	250 CFM	83 CFM	200 CFM	0.05 in-wg	1	8,600 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.48 ftH2O	1			
VAV-5-1	Titus HVAC	DESV	Size 06	150 CFM	45 CFM	120 CFM	0.02 in-wg	1	6,800 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.48 ftH2O	1			
VAV-5-2	Titus HVAC	DESV	Size 08	250 CFM	75 CFM	200 CFM	0.05 in-wg	1	10,700 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.64 ftH2O	1			
VAV-5-3	Titus HVAC	DESV	Size 08	200 CFM	60 CFM	160 CFM	0.02 in-wg	1	8,900 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.64 ftH2O	1			
VAV-5-4	Titus HVAC	DESV	Size 08	200 CFM	60 CFM	160 CFM	0.02 in-wg	1	8,900 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.64 ftH2O	1			
VAV-5-5	Titus HVAC	DESV	Size 10	750 CFM	225 CFM	600 CFM	0.13 in-wg	1	19,500 Btu/h	2 GPM	130 °F	55 °F	95 °F	0.41 ftH2O	1			
VAV-5-6	Titus HVAC	DESV	Size 08	200 CFM	60 CFM	160 CFM	0.02 in-wg	1	8,900 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.64 ftH2O	1			
VAV-5-7	Titus HVAC	DESV	Size 08	200 CFM	60 CFM	160 CFM	0.2 in-wg	1	8,900 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.64 ftH2O	1			
VAV-5-8	Titus HVAC	DESV	Size 10	600 CFM	180 CFM	480 CFM	0.08 in-wg	1	18,300 Btu/h	2 GPM	130 °F	55 °F	95 °F	0.41 ftH2O	1			
VAV-5-9	Titus HVAC	DESV	Size 08	250 CFM	75 CFM	200 CFM	0.2 in-wg	2	13,400 Btu/h	1 GPM	130 °F	55 °F	95 °F	0.12 ftH2O	1			
VAV-5-10	Titus HVAC	DESV	Size 08	500 CFM	150 CFM	400 CFM	0.2 in-wg	2	26,300 Btu/h	3 GPM	130 °F	55 °F	95 °F	1.4 ftH2O	1			

HEAT PUMP ROOFTOP UNIT SCHEDULE

SCHEDULE NOTES:

- PROVIDE HOSE KIT WITH Y-TYPE STRAINER, AUTO-BALANCE VALVE, AND ISOLATION VALVES. SEE SPECIFICATION.
- NO EQUAL SHALL BE CONSIDERED IF ANY OF THE SCHEDULED VALUES ARE +/- 5% FROM VALUE SCHEDULED. ALL ELECTRICAL CHANGES CAUSED BY DIFFERING MFR WILL BE PAID FOR BY...

MARK	MANUFACTURER	MODEL	AIR SIDE		WATER SIDE		COOLING			HEATING			ELECTRICAL			NOTES				
			FLOW	ESP	FLOW	PD	CAPACITY	EER	EWT	LWT	CAPACITY	COP	EWT	MCA	MOP		VOLT	Ph	Hz	
RTU-2	Aaon, Inc.	RNA-015	5,500 CFM	2 in-wg	30% PG	45 GPM	24 ftH2O	186,800 Btu/h	8.6	90 °F	101 °F	184,600 Btu/h	3.66	40 °F	95 A	110 A	208 V	3	60 Hz	1, 2

238000 - SPLIT SYSTEM AC

SCHEDULE NOTES:

- PROVIDE WALL HUNG REMOTE WITH TEMPERATURE SENSOR.
- M.C. SHALL PROVIDE METAL STAND FOR OUTDOOR UNIT
- PROVIDE CONDENSATE PUMP

MARK	MANUFACTURER	DESCRIPTION	MODEL	COOLING CAPACITY	SEER	ELECTRIC			NOTES	
						MCA	VOLT	PH		
AC-1	Daikin	SPLIT AC - OUTDOOR UNIT	RK18B	18,000 Btu/h	20	14 A	208 V	1	60 Hz	1, 2, 3
AC-1a	DAIKIN	SPLIT AC - INDOOR UNIT	FTK18B			0 A	208 V			

238000 - CONVECTOR - HYDRONIC

SCHEDULE NOTES:

- PROVIDE END CAPS ON LEFT/RIGHT/BOTH SIDES OF CONVECTOR.
- M.C. SHALL PROVIDE MEANS TO MOUNT UNIT TO WALL
- PROVIDE COLOR SAMPLE SHEET FOR COLOR SELECTION BY ARCHITECT
- HEATING CAPACITIES BASED ON 30% PROPYLENE GLYCOL

MARK	MANUFACTURER	MODEL	MOUNT STYLE	SIZE			HEAT OUTPUT	EAT	WATER			NOTES	
				DEPTH	LENGTH	HEIGHT			FLOW	EWT	WPD		
CV-1	SIGMA CORP.	CWS	WALL MOUNT	4"	36"	24"	2,054 Btu/h	65 °F	1.7 GPM	130 °F	0.01 ftH2O	120 °F	1, 2, 3, 4



402 East Main Avenue
Bismarck, ND 58501
phone: (701) 255-1617
www.jlgarchitects.com
copyright © 2025



REVISION SCHEDULE

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	11/28/25
2	ADDENDUM #2	11/07/25

DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

DATE
10/21/2025
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
24146
SHEET
M600
SCHEDULES



Prairie Engineering P.C.
Professional Consulting Engineers
Minn. ND 58701 | 701.852.6363

11/27/2025 11:03:14 AM



ADDENDUM

PE 25018 Dunn County Courthouse Renovation

RE: addendum

Issued: November 7, 2025

ADDENDUM #: E2

NOTICE TO CONTRACTORS

This Addendum is prepared to supplement information presented in the Drawings and Project Manual dated October 21, 2025 for the above referenced project. All additions, changes, omissions and conditions listed herein shall become an integral part of the Contract Documents.

PROCUREMENT AND CONTRACTING REQUIREMENTS

SPECIFICATIONS

1. SECTION 27 41 16 – Meeting Room Multimedia System
 - o Part 2.2 shall be 70" TV and provided under Section 274116
 - o Approved for bidding equivalent system by Biamp UCC-Lenovo TSC2-IP-MTR
2. SECTION 27 41 17 – Large Meeting Room Media System
 - o Added in its entirety.

APPROVED EQUALS

The following products have been approved for use on this project. All approved products must still meet all product specifications as listed in the product specification section.

DRAWINGS

1. E101 – EXISTING LEVEL 1
 - o Drawing 2/E101: Updated mechanical equipment that is to be reused. Updated keynote E6 and E11. Added keynote E12
 2. E102 – EXISTING LEVEL 2
 - o Drawing 1/E102: Updated keynote E6.
 3. E201 – LEVEL 1 LIGHTING PLAN
 - o Drawing 2/E201: Removed exhaust fans (EF-1, EF-2, EF-3, and EF-4).
 4. E301 – LEVEL 1 POWER PLAN
 - o Drawing 1/E301: Updated electric duct heaters. Added EDH-9 and EDH-10. Updated keynote P22.
 - o Drawing 2/E301: Updated electric duct heaters. Updated mechanical equipment that is to be reused. Added keynote E27
-

5. E302 – LEVEL 2 POWER PLAN

- Drawing 1/E302: Added receptacle for TV and keynote P28.
- Motor & Equipment Schedule: Updated equipment to match the mechanical drawings.

6. E402 – LEVEL 2 SYSTEMS PLAN

- Drawing 1/E402: Updated the large meeting room multimedia system, added devices, and added keynote S21.

END OF ADDENDUM

SECTION 27 4117 – LARGE MEETING ROOM MEDIA SYSTEM

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Work Included
 - 1. Provide a complete and operational Audio/Video System to support voice and audio program sources for the Large Meeting Room. The system shall also support video distribution in the space. The system shall be controlled by a digital signal processor and a scaling video processor operated by touchscreen controllers with custom graphics.
- B. Work furnished and installed by others
 - 1. The Owner will provide PoE network equipment and internet service.
- C. Description of System
 - 1. The system shall provide A/V presentation through the provided projector and screen via wired HDMI and wireless program sources.
 - 2. The audio system shall provide voice/music reinforcement of programming from wireless microphones, Bluetooth, and video sources as shown.
 - 3. The video distribution system shall include a 4K video display system with multiple HDMI input locations.

1.2 SUBMITTALS

- A. Shop Drawings
 - 1. Submit information in accordance with Section 260500.
 - 2. Indicate mounting details, cabinet dimensions, connection diagrams, and description of system functions.
- B. Record Manuals
 - 1. Submit information in accordance with Section 260500.
 - 2. Include manufacturer's data for adjustment, operation and maintenance of equipment and name of service organization.

PART 2 – PRODUCTS

2.1 MANUFACTURER/SUPPLIER

- A. The system specified is based on equipment as manufactured by Biamp, Shure, and other manufacturers as listed.
- B. All references to model numbers and other pertinent information is intended to establish the standards of operational concepts, performance, quality and appearance which must be met.
- C. Acceptable suppliers:

1. AVI, 1930 East Century Avenue, Bismarck, North Dakota, (701) 223-3800.
2. The Computer Store, 1100 S Broadway, Minot, North Dakota, (701) 838-3967.
3. TriCorne Audio Inc, 4023 State Street, Bismarck, North Dakota, (701) 258-6912.

2.2 TRAINING ROOM EQUIPMENT (AVCP)

A. Video Processor

1. Digital multi-channel audio-follow-video matrix switch with independent stereo matrix for audio breakaway
2. HDMI and DTP type with 4K scaling.
3. 6 input x 2 output.
 - a. Provide additional DTP to HDMI converters if required.
4. Integral control processor for interfacing between touchscreen controllers.
5. Manufacturer: Extron #DTP3 Crosspoint 622 IPCP series.

B. Audio Processor

1. Digital Signal Processor.
2. Frequency response 20Hz-20kHz.
3. Configuration/Control via laptop RS 232 and Ethernet.
4. 12 x 8 In/Out configuration.
5. Manufacturer: Biamp Tesira Forte Series.

C. Amplifier

1. Two independent channel type.
2. Frequency response: 20Hz to 20kHz.
3. Standard 19" rack-mount type.
4. Power output as required operating on recommend voltage system.
5. Manufacturer: Voltera #D Series

D. Presentation Gateway (ONE THUS)

1. Allows screen sharing/mirroring from mobile and portable devices via the facility wireless network.
2. 4K output.
3. Manufacturer: Extron #Sharelink Pro 1100
 - a. Integral ShareLink allowable in DTP3 Crosspoint as applicable.

E. PoE Switch

1. Provide PoE switch for control system power and networking.
2. Extend cabling between all control equipment as necessary.
3. Netgear AV Line #M4250
 - a. Minimum size is the larger of the following: 10 ports, or 1.5 times the quantity required by device count rounded down to nearest available size.

F. Enclosure

1. Swing out sectional wall mount 27" rack.

2. Lockable front cover.
 3. Sized as required for equipment.
 4. Include power conditioning type power distribution unit as required.
 5. Manufacturer: Lowell LWR Series or equivalent.
- G. Controller (TC)
1. Touchscreen type mounted to two-gang rough-in.
 2. Ethernet based.
 3. Manufacturer: Extron #TLP Pro 725M.
- H. Speakers – Type A
1. 8” 2-way ceiling mount speaker.
 2. 75Hz – 20kHz frequency response.
 3. 120W continuous power with tapped transformer.
 4. 115 conical distribution.
 5. Backbox, mounting hardware/accessories as required.
 6. Include the optional tile support bridge rails.
 7. Manufacturer: Biamp Desono #DX-IC8 Series.
- I. Bluetooth Interface (B)
1. Local Interface
 - a. Single Gang Decora device with pairing button and status indication.
 - b. Remote power from associated twisted pair receiver.
 - c. RJ45 type connection.
 - d. Manufacturer: RDL D Series #BT1A
 2. Receiver
 - a. Format A twisted pair receiver.
 - b. Balanced and Unbalanced Output.
 - c. Installed in the equipment cabinet.
 - d. Manufacturer: RDL #TX-TPR1A.
- J. Multimedia Input (XI)
1. Single-gang decora device that converts HDMI to DTP.
 2. 330 Foot cable distance
 3. Manufacturer: Extron #DTP3 T 101 D.
- K. Multimedia Output (XO)
1. Single-gang decora device that converts DTP to HDMI.
 2. 330 Foot cable distance.
 3. Manufacturer: Extron #DTP R HWP 4K 331D

L. Projectors and Screens

1. Projector (one thus)

- a. Large venue WUXGA with 1920x1200 resolution.
- b. 16:10 Aspect Ratio.
- c. Minimum brightness shall be 8,000 lumens
- d. Laser light source with 20,000 hour operation.
- e. Manufacturer: Vivitek #DU7099Z-BK.
 - 1) Include correct throw lens for particular application.
 - 2) Include ceiling mounting equipment.
- f. Projector shall be controlled via RS232 from the DTP/touchscreens

2. Screen (one thus)

- a. Non-tensioned, surface mount type with black finish.
- b. Include mounting hardware as required to support screen from ceiling structure.
- c. High Contrast Matte White front projection screen.
- d. 87" x 139", 16:10 Aspect Ratio.
- e. Dry Contact Operation by video keypad controller.
- f. Include a finished covering for this exposed installation.
- g. The screen is to be wall mounted at 11' above finished floor. Include extra drop as required to lower the screen to the optimal viewing height.
- h. Manufacturer: Da-Lite #34580

M. Smart TV (one thus)

1. 85" Class LED TV (minimum).
2. 4K UHD
3. Smart Capable with Integral LAN port
4. HDMI inputs as required.
5. Swing-out type wall mount bracket as required.
6. Manufacturers: LG, Samsung, Sharp, Sony, Toshiba, or Vizio.

N. Wireless Microphones

1. UHF Digital type with selectable frequencies and up to 32 channels.
2. Wireless microphone system shall include:
 - a. (1) Shure SLXD4D series dual wireless receiver.
 - b. (1) Shure SLXD1 body pack transmitter with lapel mic.
 - c. (1) Shure SLXD2/SM58 handheld transmitter.
 - d. (2) Shure UA8 series remote antennas with brackets.
 - e. (2) Shure UA825 series remote antenna coax.

O. Peripheral I/O

1. General

- a. Provide custom plates for locations as indicated on the drawings. Plates shall be Rapco Black anodized with engraved labeling or approved equal.
- b. Microphone Input Jack
 - 1) Three-contact female XLR microphone jack.
 - 2) Quantities as listed and shown

P. Cable

1. Speaker cable: AWG as required.
2. Multimedia Input/Output and Controller cable: Extron #XTP DTP 24.
3. Provide all HDMI, USB, CAT6, and AUDIO patch cords as required for complete system.
4. West Penn 25291b for mic/line cable.

2.3 MISC.

- A. Provide wall mounting brackets for all equipment as required for complete system installation. Ensure TV bracket provides proper clearance for the other equipment.
- B. Provide all HDMI, USB, CAT6, and AUDIO patch cords as required for complete system.

PART 3 – EXECUTION

3.1 STORAGE

- A. Store public address components in a cool, dry space prior to installation.

3.2 INSTALLATION

- A. General
 - 1. Verify exact mounting height/position of TV with Owner prior to installation.
 - 2. Install NUC and Presentation Gateway concealed behind the TV.
 - a. Carefully support all cables to ensure they are properly concealed behind the TV.
 - b. Route Tabletop HDMI through the Presentation Gateway (not connected directly to a TV input).
 - 3. Verify exact mounting location of the Tabletop Interface with Owner prior to installation in meeting room table (provided by others).
 - 4. Obtain required IP addresses for TV, NUC, and Gateway from Owner and perform complete setup of each device.

3.3 FINAL ADJUSTMENT AND EQUALIZATION

- A. When the system is completely installed and operating properly (with all spurious responses such as hum, oscillation, etc. eliminated), the system shall be adjusted for even sound pressure level coverage, and then be equalized using 1/3 octave technique.
- B. The process will also provide location and reduction of acoustic feedback and ring points utilizing 1/3 octave filter panel. This portion of the equalization process will be accomplished with equipment specifically designed for this purpose.
- C. The system energy time curve and an energy frequency curve shall be measured using Smaart or SysTune dual transfer function.
- D. Record Manuals shall include complete operational instructions, individual device circuit diagrams and a one-line diagram of the system.

3.4 TESTS

- A. Prior to final inspection, verify that the multimedia system is in proper working condition. Furnish letter of verification to Engineer indicating that the system has been tested by a manufacturer's representative. List date of test and name of manufacturer's representative. Division 26 contractor responsible for test and scheduling.

3.5 INSTRUCTIONS

- A. Manufacturer's representative shall instruct Owner in proper operation, maintenance and testing of the complete system. Indicate on letter of verification, name of Owner's representative receiving instructions.
- B. Record instructions and include with Record Manuals in accordance with Section 260500.

3.6 CLEANING

- A. **Clean** and **vacuum interior** to remove all wire and insulation scraps, dust and dirt.
- B. Clean all exposed surfaces immediately prior to final inspection.

END OF SECTION

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	Addendum 2	11/7/25

DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

DATE
10/21/2025
PHASE
CONSTRUCTION
DOCUMENTS
PROJECT
PE 25018

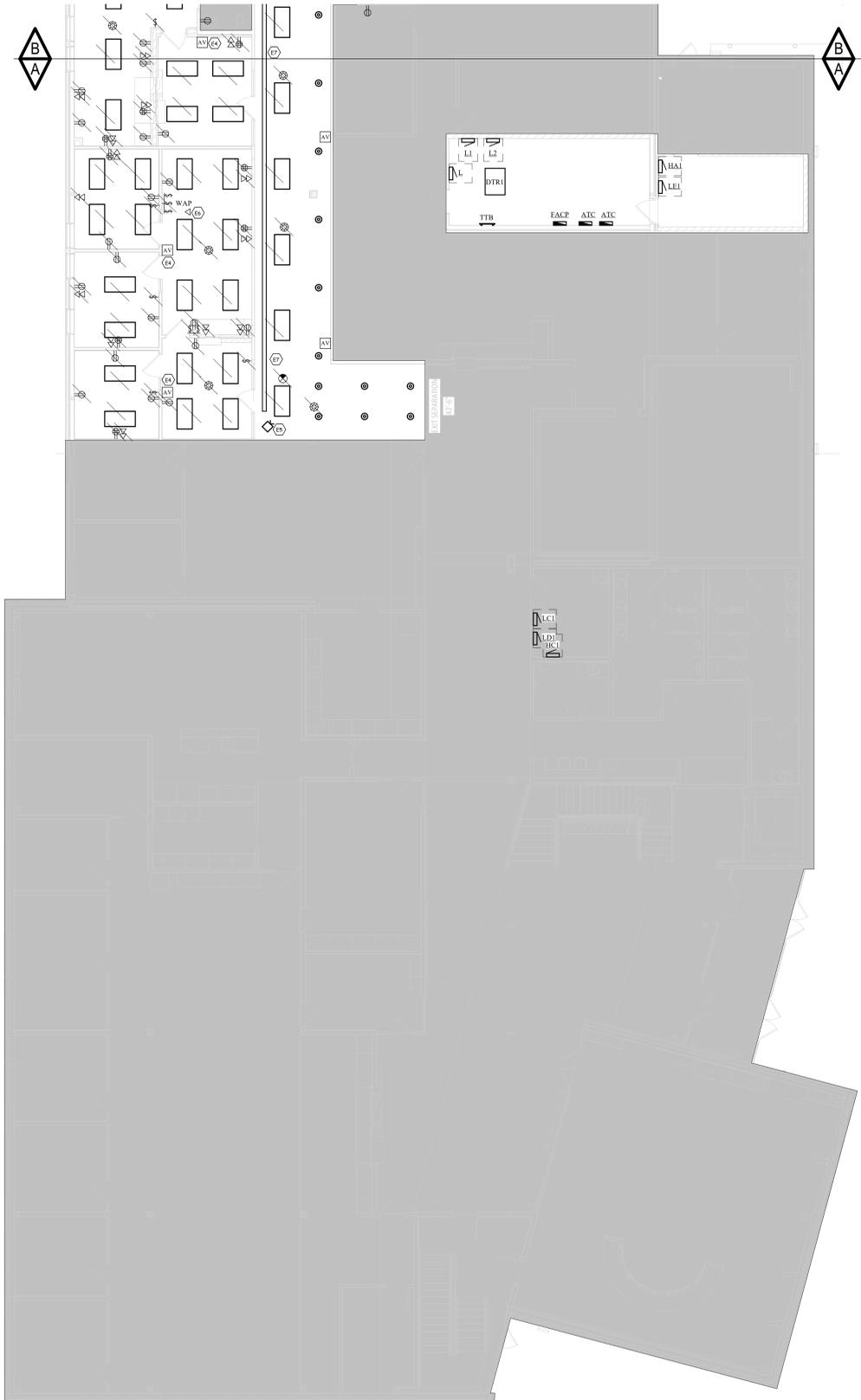
SHEET
E101

EXISTING LEVEL 1

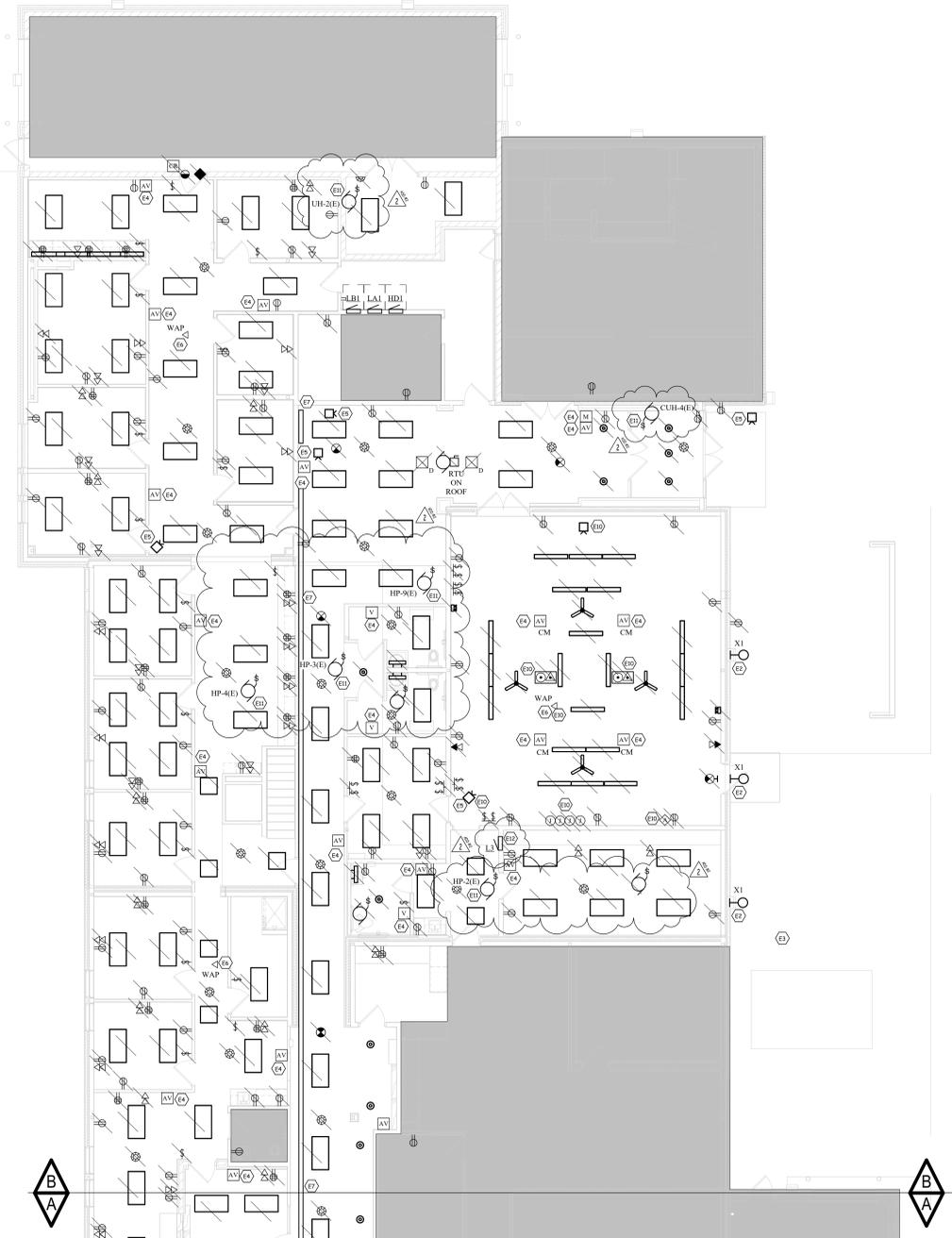
Keynote Legend

E2	REMOVE EXISTING EXTERIOR LIGHT FIXTURES AND RETAIN FOR REUSE.
E3	COORDINATE RELOCATION OF EXISTING TRANSFORMER WITH SERVING UTILITY COMPANY.
E4	REMOVE EXISTING FIRE ALARM DEVICE AND RETAIN FOR REINSTALL AS APPLICABLE.
E5	COORDINATE REMOVAL OF EXISTING SURVEILLANCE EQUIPMENT WITH OWNER. TURN OVER EQUIPMENT TO OWNER FOR REUSE. DEMO CABLING
E6	COORDINATE REMOVAL WIRELESS ACCESS POINT WITH OWNER. TURN OVER EQUIPMENT TO OWNER FOR REUSE. DEMO CABLING
E7	EXISTING CABLE TRAY TO REMAIN.
E10	COORDINATE REMOVAL OF ND COURTS EQUIPMENT WITH VENDOR (FOR TE/AV) PRIOR TO DEMOLITION. ALL EQUIPMENT MUST BE TURN OVER FOR REUSE BY THE VENDOR.
E11	DISCONNECT EXISTING MECHANICAL FOR REMOVAL BY OTHERS. RETAIN ELECTRICAL DISCONNECT FOR REUSE AT THE NEW LOCATION FOR THE EQUIPMENT. SPLICE AND EXTEND WIRING TO NEW LOCATION AS REQUIRED.
E12	RELOCATE PANEL FROM EXISTING WALL TO NEW WALL AS SHOWN ON SHEET E301. SPLICE AND EXTEND FEEDER AS PART OF THE RELOCATION. SPLICE AND EXTEND THE EXISTING BRANCH CIRCUITRY AS REQUIRED.

- GENERAL NOTES**
- FIELD VERIFY ALL PERTINENT EXISTING CONDITIONS AND INSTALLATION REQUIREMENTS IN CONNECTION WITH REMODEL. MAKE ALLOWANCES IN BID THEREOF.
 - DEVICES WITH SLASH THROUGH INDICATE SPECIFIC EXISTING DEVICES TO BE REMOVED. REMOVE OR RELOCATE ANY ELECTRICAL DEVICE REQUIRED BY REMODEL OPERATIONS. EXTEND EXISTING CIRCUITRY AS REQUIRED TO MAINTAIN DOWNSTREAM DEVICES OR FIXTURES. DISCONNECT AND REMOVE ANY EXISTING CIRCUITRY NOT BEING REUSED. RE-IDENTIFY EXISTING PANEL DIRECTORIES AS REQUIRED.
 - SEE SPECIFICATION 260510 FOR REMODEL.



1
E101
Existing First Floor - Area A
1/8" = 1'-0"



2
E101
Existing First Floor - Area B
1/8" = 1'-0"

NO.	DESCRIPTION	DATE
1	Addendum 2	11/17/25

DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

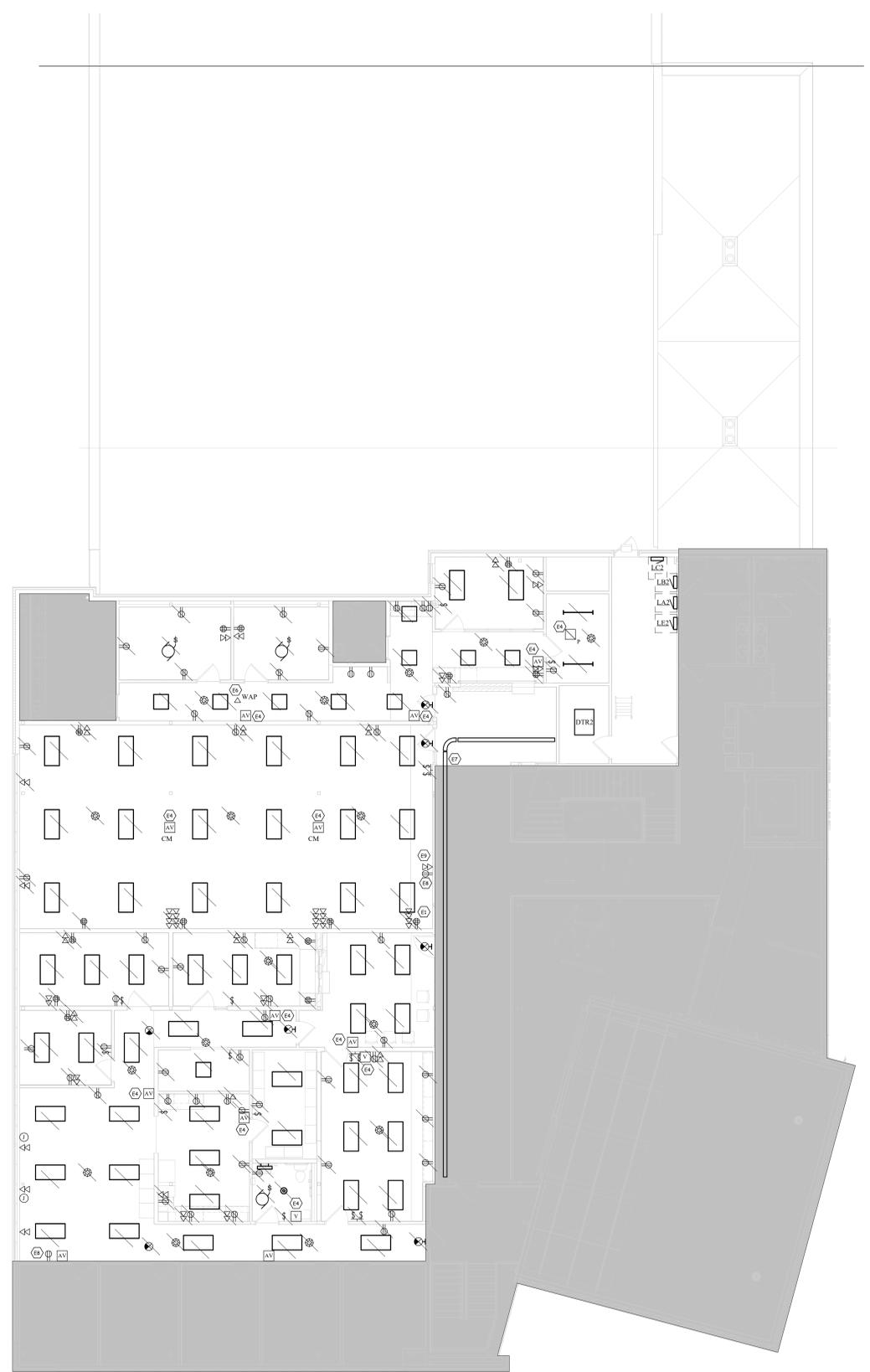
DATE	10/21/2025
PHASE	CONSTRUCTION
DOCUMENTS	DOCUMENTS
PROJECT	PE 25018
SHEET	E102
EXISTING LEVEL 2	

Keynote Legend

E1	ALL WORK ON THIS LEVEL UNDER ADD UNDER ALTERNATE 1.
E4	REMOVE EXISTING FIRE ALARM DEVICE AND RETAIN FOR REINSTALL, AS APPLICABLE.
E6	COORDINATE REMOVAL WIRELESS ACCESS POINT WITH OWNER. TURN OVER EQUIPMENT TO OWNER FOR REUSE. DEMO CABLING.
E7	EXISTING CABLE TRAY TO REMAIN.
E8	REMOVE EXISTING FACE PLATE AND RECEPTACLE. PROVIDE NEW FACEPLATE, RECEPTACLE AND RE-TERMINATE.
E9	REMOVE EXISTING FACE PLATE. PROVIDE NEW FACEPLATE AND REINSTALL DATA JACKS.

GENERAL NOTES

- FIELD VERIFY ALL PERTINENT EXISTING CONDITIONS AND INSTALLATION REQUIREMENTS IN CONNECTION WITH REMODEL. MAKE ALLOWANCES IN BID THERETO.
- DEVICES WITH SLASH THROUGH INDICATE SPECIFIC EXISTING DEVICES TO BE REMOVED. REMOVE OR RELOCATE ANY ELECTRICAL DEVICE REQUIRED BY REMODEL OPERATIONS. EXTEND EXISTING CIRCUITRY AS REQUIRED TO MAINTAIN DOWNSTREAM DEVICES OR FIXTURES. DISCONNECT AND REMOVE ANY EXISTING CIRCUITRY NOT BEING REUSED. RE-IDENTIFY EXISTING PANEL DIRECTORIES AS REQUIRED.
- SEE SPECIFICATION 260310 FOR REMODEL.

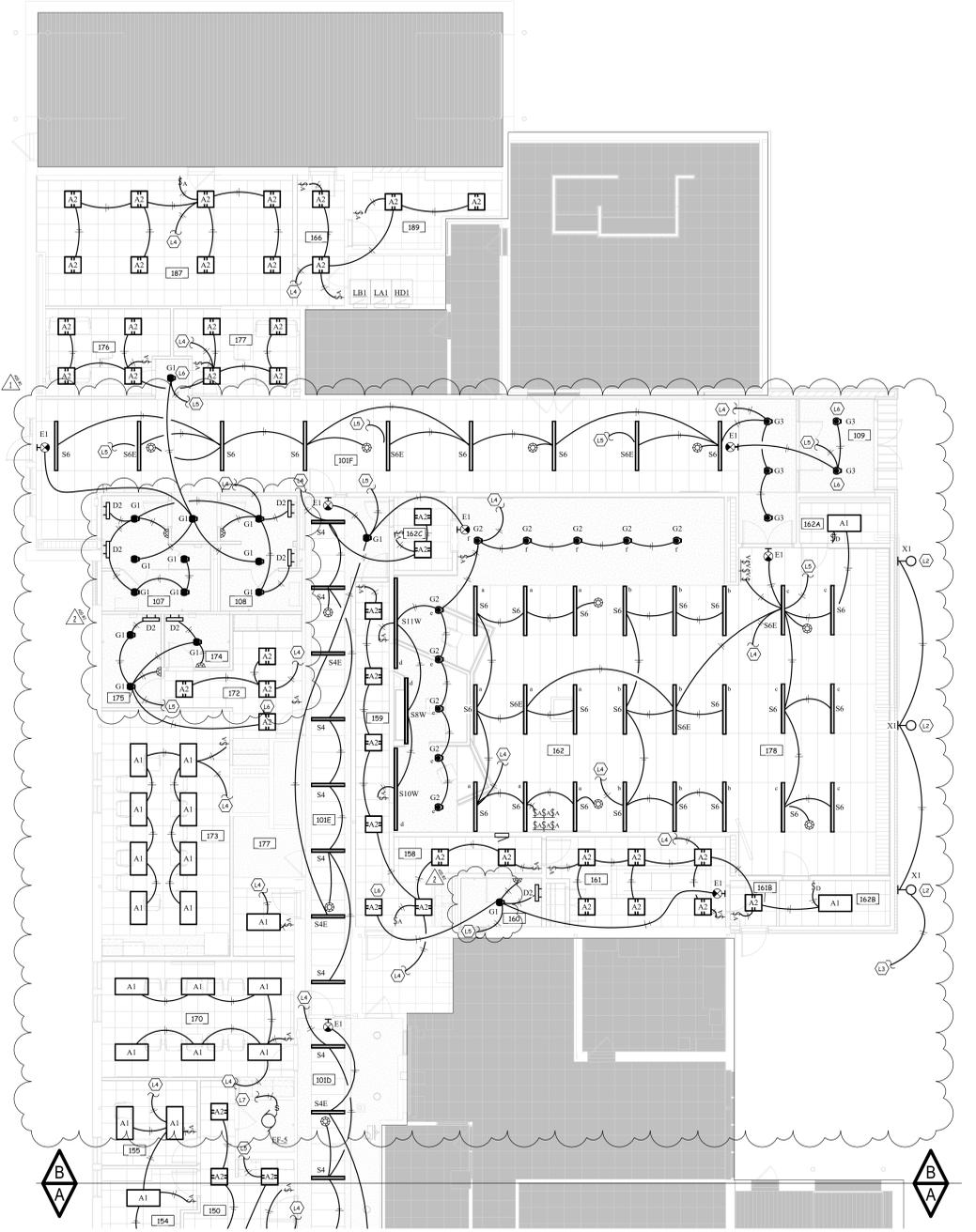
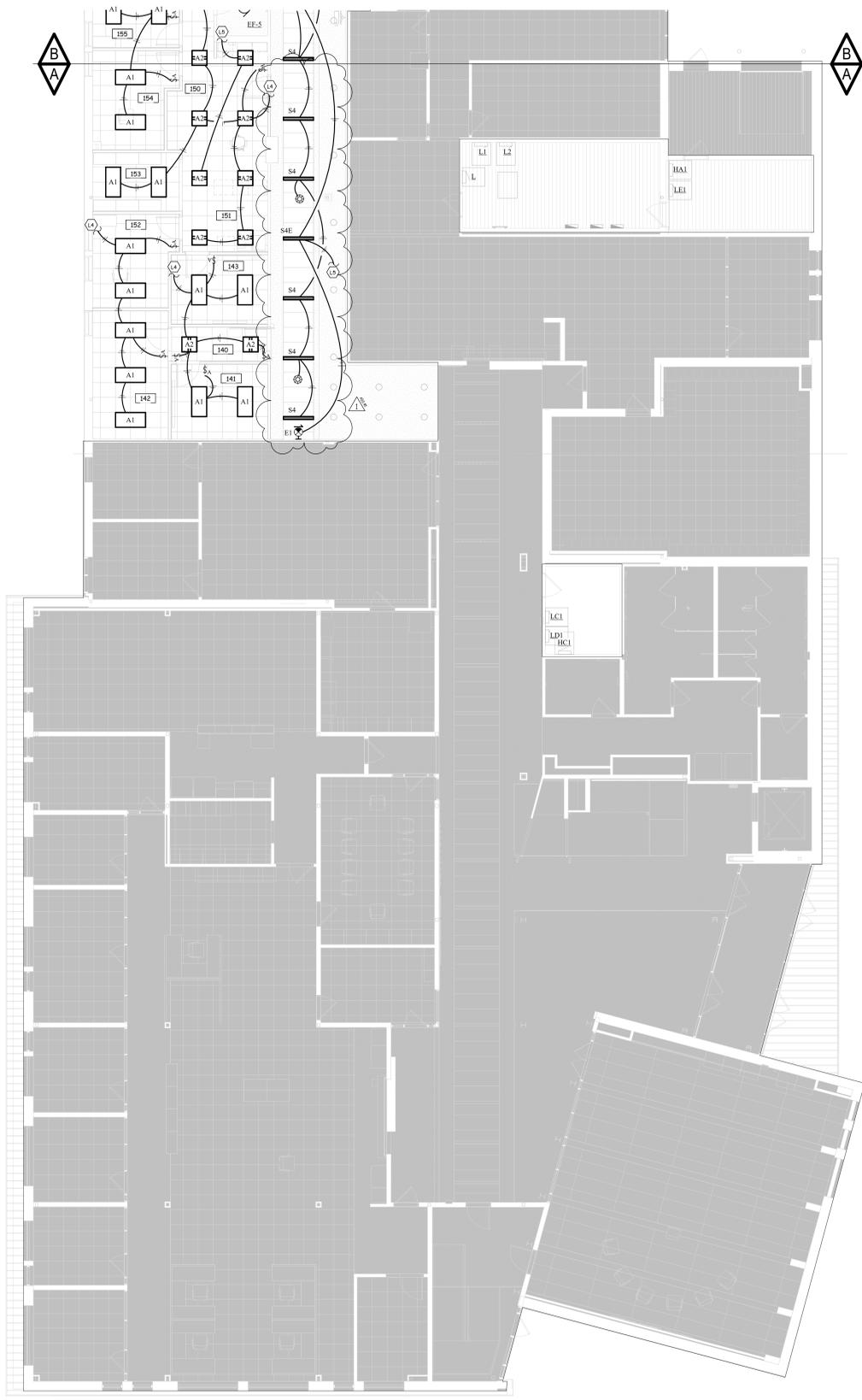


1
Existing Second Floor - Area A
1/8" = 1'-0"

11/17/2025 11:24:18 AM

Number	Name	Area
100	VESTIBULE	229 SF
101A	MAIN LOBBY	1,820 SF
101B	SOUTH HALL	830 SF
101C	ALCOVE	238 SF
101D	NORTH HALLWAY	883 SF
101E	COURTS HALLWAY	390 SF
101F	COURT LOBBY	1,176 SF
101G	KITCHENETTE	76 SF
107	WOMEN RESTROOM	152 SF
108	MEN RESTROOM	129 SF
109	VESTIBULE	108 SF
131	WORKROOM	244 SF
140	HALLWAY	57 SF
141	FLEX SPACE	127 SF
142	OFFICE	171 SF
143	CONF. RM	117 SF
150	RECEPTION	309 SF
151	WORK AREA	62 SF
152	OFFICE	132 SF
153	WORK ROOM/ FILES	89 SF
154	OFFICE	133 SF
155	OFFICE	117 SF
158	HALLWAY	147 SF
159	HALLWAY	147 SF
160	RESTROOM	57 SF
160A	CLOSET	12 SF
161	JUDGE'S CHAMBER	219 SF
161B	EXIT	29 SF
162	COURTROOM	1,499 SF
162A	STORAGE	53 SF
162B	A.V. STORAGE	73 SF
162C	JURY EXIT	62 SF
166	HALL	90 SF
170	CONFERENCE	343 SF
171	LAUNDRY	60 SF
172	ENTRY	176 SF
173	JURY ROOM	382 SF
174	RESTROOM	50 SF
175	RESTROOM	80 SF
176	MEETING ROOM	148 SF
177	MEETING ROOM	149 SF
177	BASEMENT STAIR	92 SF
178	GALLERY	761 SF
187	MECH OR STORAGE	482 SF
189	HOLDING ROOM	139 SF

Keynote Legend	
L2	REINSTALL EXISTING EXTERIOR LIGHT (X1) AT THIS LOCATION. MOUNT AT THE SAME HEIGHT AS THE ADJACENT EXTERIOR LIGHTING.
L3	CIRCUIT TO EXISTING EXTERIOR LIGHTING CIRCUITRY.
L4	CIRCUIT TO EXISTING UNSWITCHED 120V LIGHTING CIRCUIT IN THIS AREA.
L5	CIRCUIT TO EXISTING EMERGENCY LIGHTING CIRCUIT IN THIS AREA.
L6	UNSWITCHED.
L7	CIRCUIT TO EXISTING RESTROOM LIGHTS.



1
E201
Lighting Plan - First Floor - Area A
1/8" = 1'-0"

2
E201
Lighting Plan - First Floor - Area B
1/8" = 1'-0"



402 East Main Avenue
Bismarck, ND 58501
phone: (701) 255-1617
www.jlgarchitects.com
copyright © 2025

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	Addendum 1	11/24/25
2	Addendum 2	11/7/25

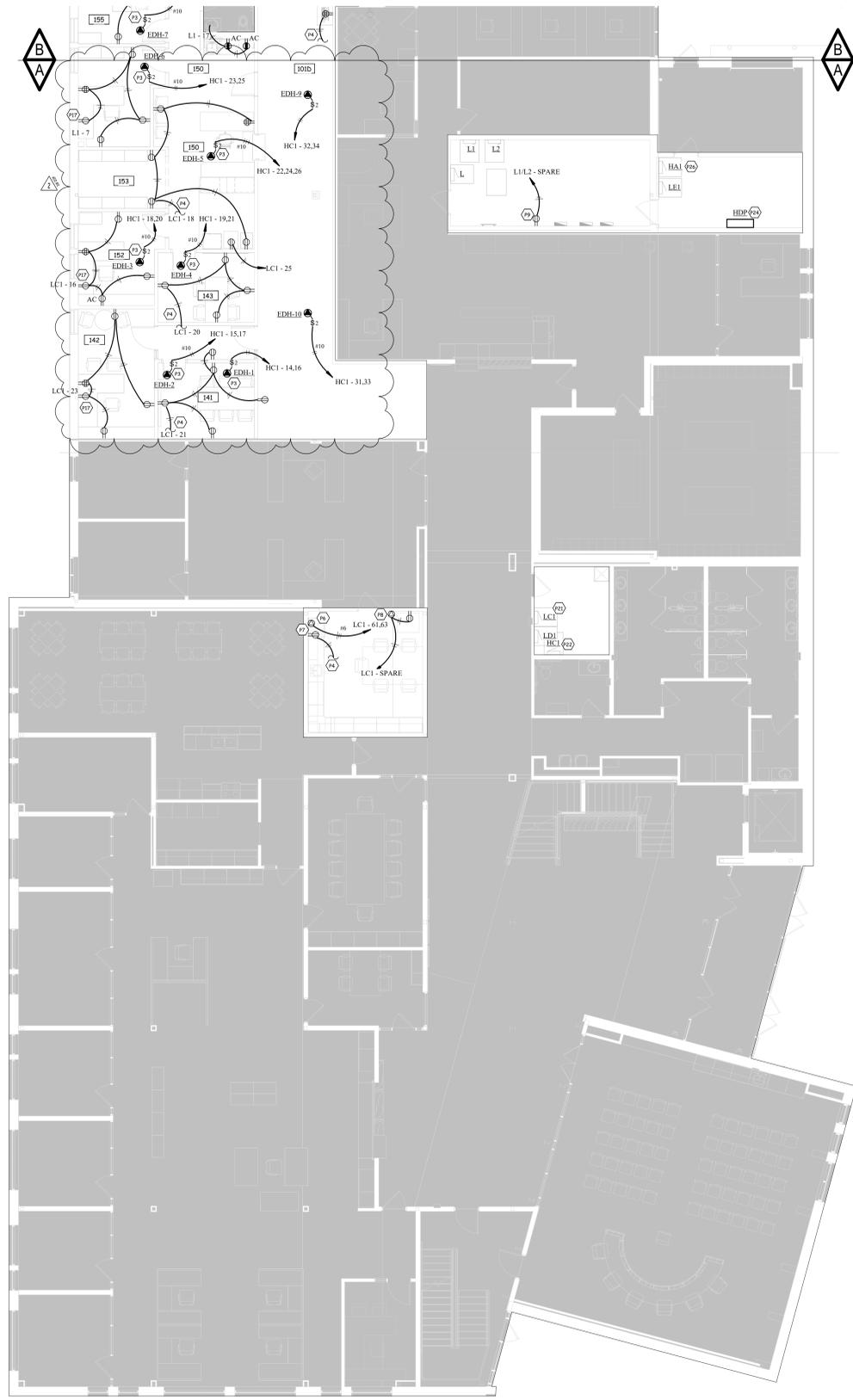
DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

DATE
10/21/2025
PHASE
CONSTRUCTION DOCUMENTS
PROJECT
PE 25018
SHEET

E201
LEVEL 1 LIGHTING PLAN

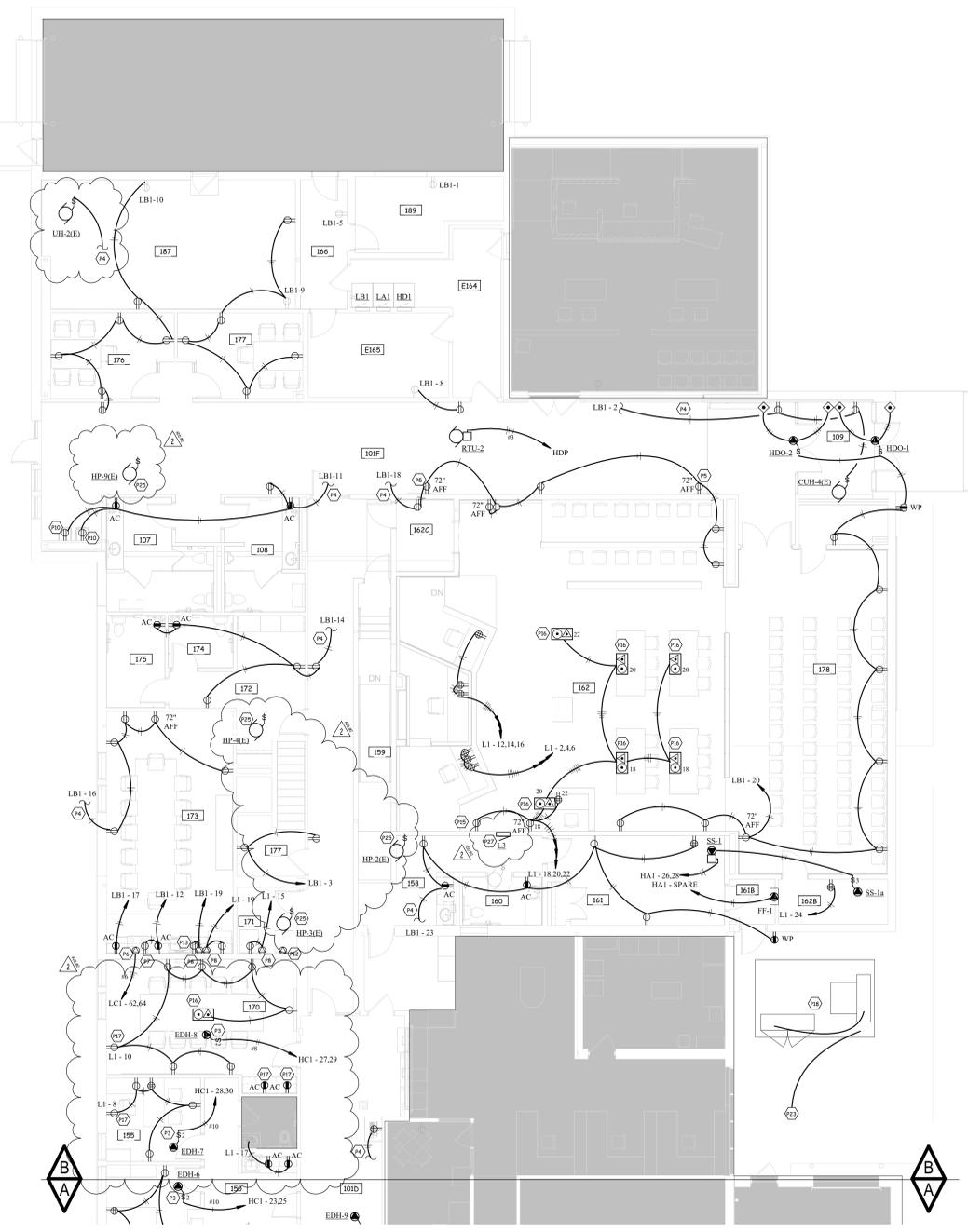
11/7/2025 11:24:23 AM

Number	Name	Area
100	VESTIBULE	229 SF
101A	MAIN LOBBY	1,820 SF
101B	SOUTH HALL	830 SF
101C	ALCOVE	238 SF
101D	NORTH HALLWAY	853 SF
101E	COURTS HALLWAY	390 SF
101F	COURT LOBBY	1,176 SF
101G	KITCHENETTE	76 SF
107	WOMEN RESTROOM	152 SF
108	MEN RESTROOM	129 SF
109	VESTIBULE	108 SF
111	WORKROOM	244 SF
140	HALLWAY	57 SF
141	FLEX SPACE	127 SF
142	OFFICE	171 SF
143	CONF. RM	117 SF
150	RECEPTION	309 SF
151	WORK AREA	62 SF
152	OFFICE	132 SF
153	WORK ROOM/ FILES	89 SF
154	OFFICE	133 SF
155	OFFICE	117 SF
158	HALLWAY	147 SF
159	HALLWAY	147 SF
160	RESTROOM	57 SF
160A	CLOSET	12 SF
161	JUDGE'S CHAMBER	219 SF
161B	EXIT	29 SF
162	COURTROOM	1,499 SF
162A	STORAGE	53 SF
162B	A.V. STORAGE	73 SF
162C	JURY EXIT	62 SF
166	HALL	90 SF
170	CONFERENCE	343 SF
171	LAUNDRY	60 SF
172	ENTRY	176 SF
173	JURY ROOM	382 SF
174	RESTROOM	50 SF
175	RESTROOM	80 SF
176	MEETING ROOM	148 SF
177	MEETING ROOM	149 SF
177	BASEMENT STAIR	92 SF
178	GALLERY	761 SF
187	MECH OR STORAGE	482 SF
189	HOLDING ROOM	139 SF



1 Power Plan - First Floor - Area A
1/8" = 1'-0"

Keynote Legend	
P3	DEDUCT UNDER ALTERNATE 3.
P4	CIRCUIT TO UNSWITCHED 120V GENERAL POWER CIRCUIT IN AREA.
P5	PROVIDE WIREMOLD #EF5B2, OR EQUIVALENT TWO COMPARTMENT RECESSES WALL BOX. MATCH LOCATIONS WITH NOTE S8.
P6	PROVIDE AND INSTALL NEMA 14-30R RECEPTACLE FOR RANGE. E.C. TO PROVIDE RANGE CORD AND PLUG AS REQUIRED.
P7	CONNECT TO RANGE HOOD AND HOOD LIGHTS.
P8	PROVIDE AND INSTALL BLANK FACE GFCI ABOVE COUNTER FOR THE DOWNSTREAM DEVICE.
P9	POWER FOR CONTROLLED ACCESS PANEL.
P10	LOAD SIDE GFCI
P12	PROVIDE AND INSTALL NEMA 14-30R RECEPTACLE FOR DRYER. PROVIDE MATCHING CORD AND PLUG.
P13	PROVIDE A NEMA 5-20 RECEPTACLE FOR THE MICROWAVE. E.C. TO COORDINATE HEIGHT WITH CASEWORK. 24" AFF TYPICAL.
P15	RELOCATE EXISTING PANEL FROM OLD ADJACENT WALL. SPLICE AND EXTEND CIRCUITRY AS REQUIRED.
P16	GC TO CUT/PATCH EXISTING CONCRETE FLOOR AS REQUIRED FOR FLOORBOX INSTALLATION. VERIFY EXACT LOCATION OF FLOORBOX WITH ARCHITECT/ENGINEER.
P17	PROVIDE NEW RECEPTACLE AT EXISTING RECEPTACLE LOCATION.
P18	PROVIDE EXTENSION ON EXISTING TRANSFORMER PAD AND PULL BACK EXISTING FEEDERS FOR REUSE BETWEEN THE NEW TRANSFORMER LOCATION AND THE EXISTING CT CABINET.
P21	PROVIDE EIGHT (8) 4" CONDUITS BETWEEN THE CT AND THE TRANSFORMER FOR THE FEEDERS.
P22	PROVIDE TWO (2) 30A 2-POLE GFCI BREAKERS IN AVAILABLE SPACE IN PANEL LCI SQUARE-D #QO/QOB-GFI. VERIFY EXACT BREAKER REQUIRED PRIOR TO INSTALLATION.
P23	PULL BACK EXISTING FIRE PUMP FEEDER AND REROUTE TO NEW TRANSFORMER LOCATION. INTERCEPT THE 2" CONDUIT IN THIS APPROXIMATE LOCATION AND EXTEND TO THE TRANSFORMER FOR THE FEEDERS.
P24	PROVIDE AND INSTALL A 125/3 CIRCUIT BREAKER FOR RTU-2. REMOVE EXISTING 100/3 SPARE AND TURN OVER TO OWNER. SQUARE-D #QGA32125. VERIFY EXACT BREAKER REQUIRED PRIOR TO INSTALLATION.
P25	NEW LOCATION FOR EXISTING HEAT PUMP. EXTEND WIRING FROM OLD LOCATION AND CONNECT TO HEAT PUMP.
P26	PROVIDE ONE (1) 30A 2-POLE BREAKER IN AVAILABLE SPACE IN PANEL HA1 SQUARE-D #E6B24030. VERIFY EXACT BREAKER REQUIRED PRIOR TO INSTALLATION.
P27	APPROXIMATE LOCATION OF EXISTING PANEL THAT WAS TO BE RELOCATED. SEE SHEET E101 KEYNOTE E12



2 Power Plan - First Floor - Area B
1/8" = 1'-0"



402 East Main Avenue
Bismarck, ND 58501
phone: (701) 255-1617
www.jlgarchitects.com
copyright © 2025

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
2	Addendum 2	11/7/25

DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

DATE
10/21/2025
PHASE
CONSTRUCTION
DOCUMENTS
PROJECT
PE 25018

SHEET
E301
LEVEL 1 POWER
PLAN

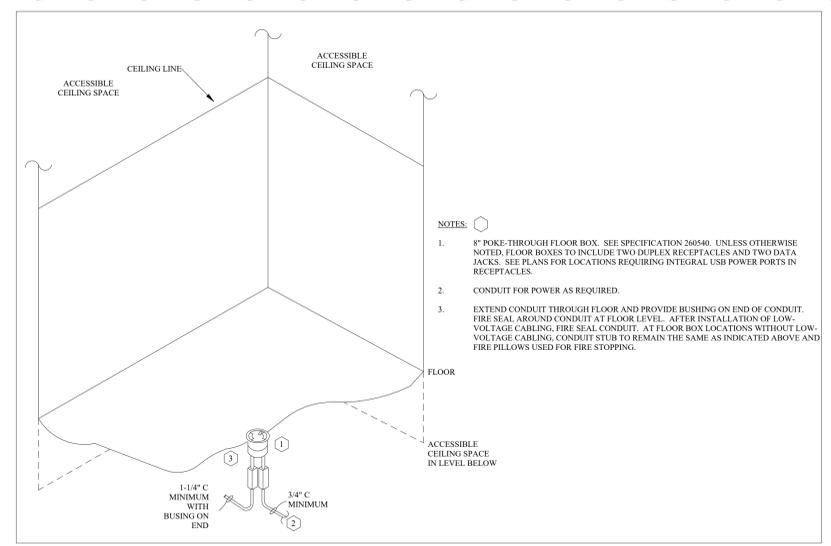


11/7/2025 11:24:29 AM

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	11/7/25

Keynote Legend	
P1	ALL WORK ON THIS LEVEL UNDER ADD UNDER ALTERNATE 1.
P4	CIRCUIT TO UNSWITCHED 120V GENERAL POWER CIRCUIT IN AREA.
P5	PROVIDE WIREMOLD #EFS82, OR EQUIVALENT TWO COMPARTMENT RECESSES WALL BOX. MATCH LOCATIONS WITH NOTE S8.
P8	PROVIDE AND INSTALL BLANK FACE 6FCL ABOVE COUNTER FOR THE DOWNSTREAM DEVICE.
P9	POWER FOR CONTROLLED ACCESS PANEL.
P11	PROVIDE NEMA 5-20R RECEPTACLE FOR PROJECTOR POWER. PROVIDE CHIEF #CM54545 PROJECTOR MOUNTING PLATE AND PROPERLY SUPPORT FROM STRUCTURAL MEMBERS ABOVE PER MANUFACTURER INSTRUCTIONS. RECEPTACLE SHALL MOUNT TO THE FACE OF PLATE ALONG WITH THE "XO" AV DEVICE. COORDINATE EXACT LOCATION AND HEIGHT WITH PROJECTOR SYSTEMS KEYNOTE.
P13	PROVIDE A NEMA 5-20 RECEPTACLE FOR THE MICROWAVE. E.C. TO COORDINATE HEIGHT WITH CASEWORK. 24" AFF TYPICAL.
P14	SEE DETAIL 1/E404 OR 2/E404 FOR MTR FLOOR BOX.
P17	PROVIDE NEW RECEPTACLE AT EXISTING RECEPTACLE LOCATION.
P19	PROVIDE 4-WIRE CONTROL CONNECTION TO PROJECTOR SCREEN. COORDINATE EXACT LOCATION WITH 6C AND AV CONTRACTOR.
P20	SEE DETAIL 4/E304 FOR POKE THROUGH FLOOR BOX GENERAL NOTES. REFER TO SPECIFICATION SECTION 260540. TYPICAL FOR ALL FLOOR BOXES.
P28	PROVIDE WIREMOLD #EFS84, OR EQUIVALENT FOUR COMPARTMENT RECESSES WALL BOX. MATCH LOCATIONS WITH NOTE S21. ONE COMPARTMENT DUPLEX RECEPT. ONE COMPARTMENT TWO DATA AND CATV. ONE COMPARTMENT "XO", AND ONE COMPARTMENT WITH LEGRAND #W984WHV1 FOR FUTURE WITH 1" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE.

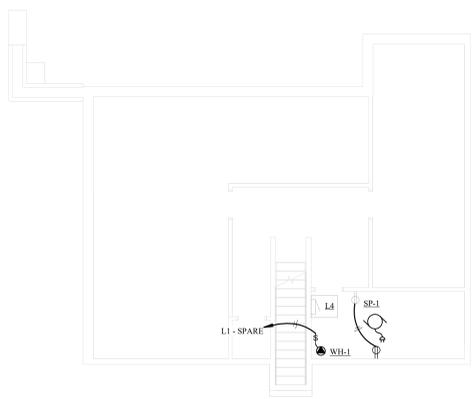
MOTOR & EQUIPMENT SCHEDULE - MINOT										
DESIG.	EQUIPMENT SERVED	HP/AMPS	VOLT	PHASE	DISCONNECT (BY EC)	CONTROLLER (BY EC)	CONTROL INITIATING DEVICE			NOTE
							DEVICE	FURN	MTD	
QUH-4(E)	EXISTING UNIT HEATER	1/4	120 V	1	20/1 TOGGLE	INTEGRAL	ATC	ATC	ATC	
EDH-1,4,9	ELECTRIC DUCT HEATER	2000W	208 V	1	30/2 TOGGLE	NR	ATC	ATC	ATC	PROVIDE BRYANT #30002D, OR EQUAL, 30A/2P TOGGLE DISCONNECT.
EDH-2,3,6,7	ELECTRIC DUCT HEATER	3000W	208 V	1	30/2 TOGGLE	NR	ATC	ATC	ATC	PROVIDE BRYANT #30002D, OR EQUAL, 30A/2P TOGGLE DISCONNECT.
EDH-5	ELECTRIC DUCT HEATER	8000W	208 V	3	30/3 TOGGLE	NR	ATC	ATC	ATC	PROVIDE BRYANT #30003D, OR EQUAL, 30A/3P TOGGLE DISCONNECT.
EDH-8	ELECTRIC DUCT HEATER	6000W	208 V	1	40/2 TOGGLE	NR	ATC	ATC	ATC	PROVIDE BRYANT #40002D, OR EQUAL, 40A/2P TOGGLE DISCONNECT.
EDH-10	ELECTRIC DUCT HEATER	4000W	208 V	1	30/2 TOGGLE	NR	ATC	ATC	ATC	PROVIDE BRYANT #30002D, OR EQUAL, 30A/2P TOGGLE DISCONNECT.
EF-5	EXHAUST FAN	FRAC	120 V	1	20/1 TOGGLE	INTEGRAL	SWITCH W /LITES	EC	EC	
HP-2(E)	EXISTING HEAT PUMP	8 MCA	208 V	3	USE EXISTING	NR	ATC	ATC	ATC	
HP-3(E)	EXISTING HEAT PUMP	8 MCA	208 V	3	USE EXISTING	NR	ATC	ATC	ATC	
HP-4(E)	EXISTING HEAT PUMP	8 MCA	208 V	3	USE EXISTING	NR	ATC	ATC	ATC	
HP-9(E)	EXISTING HEAT PUMP	9 MCA	208 V	3	USE EXISTING	NR	ATC	ATC	ATC	
RTU-2	ROOF TOP UNIT	95 MCA	208 V	3	200/3 NEMA 3R FDS	INTEGRAL	ATC	ATC	ATC	PROVIDE DUCT DETECTION AS PER SPECIFICATION SECTION 283111 AND DETAIL 3/E403.
SP-1	SUMP PUMP	1/2	120 V	1	CORD & PLUG	INTEGRAL	FLOAT	MC	MC	
SS-1	SPLIT SYSTEM AC	15.5 MCA	208 V	1	30/2 NEMA 3R FDS	INTEGRAL	INTEGRAL	MC	ATC	
SS-1a	INDOOR SPLIT UNIT	NA	208 V	1	20A 3-POLE TOGGLE	NR	SS-1	-	-	
UH-2(E)	EXISTING UNIT HEATER	FRAC	120 V	1	20/1 TOGGLE	INTEGRAL	ATC	ATC	ATC	
WH-1	WATER HEATER	1500W	120 V	1	20/1 TOGGLE	NR	INTEGRAL	MC	MC	



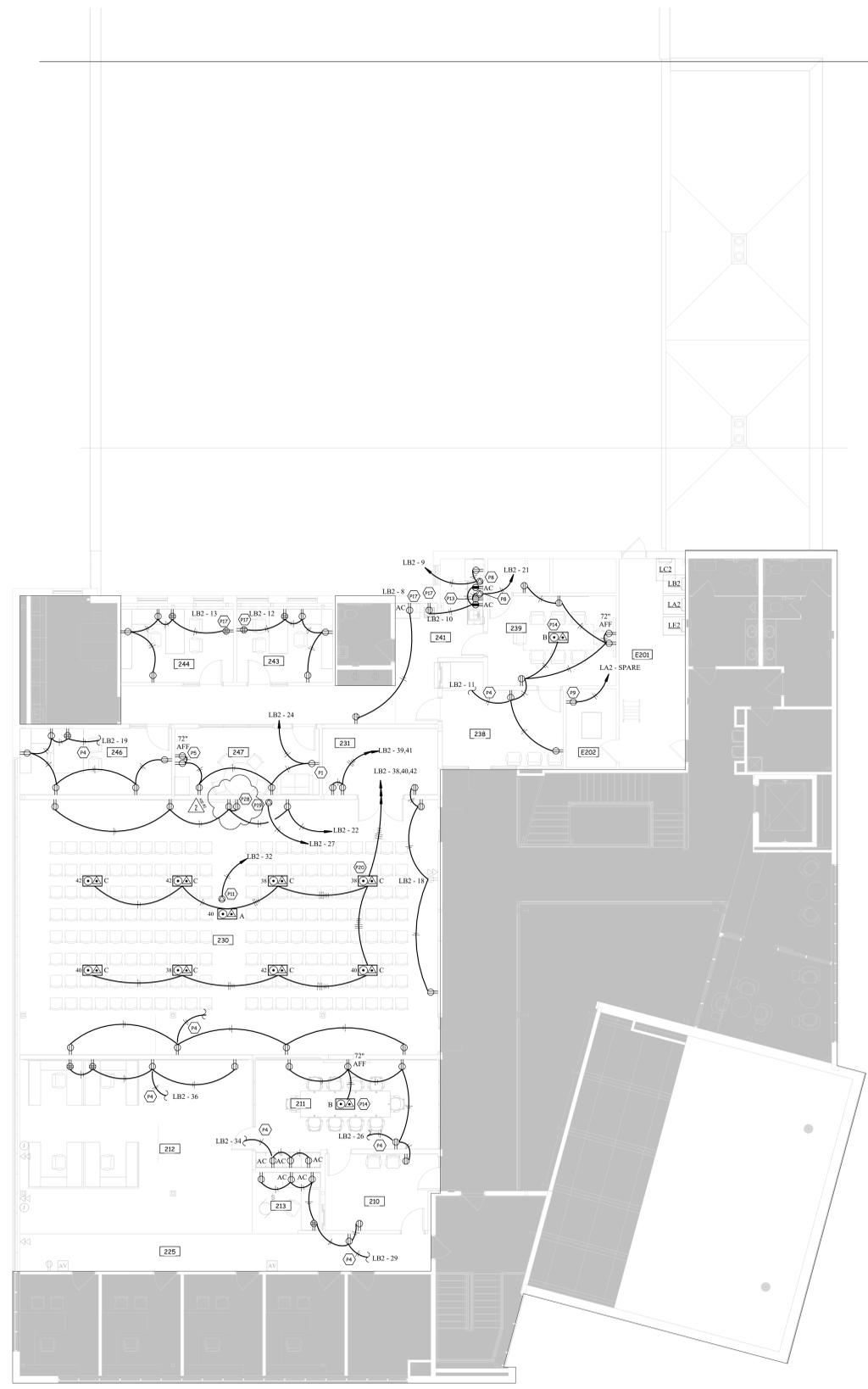
3 POKE-THRU FLOOR BOX
1/8" = 1'-0"

ELECTRIC HEAT SCHEDULE					
TYPE	MANUFACTURER	CATALOG NO.	WATTAGE	VOLTAGE	REMARKS
EE-1	BERKO	SED1012C	1000	120	SMALL FAN FORCED WALL HEATER WITH INTEGRAL THERMOSTAT.

- NOTES:**
- CONTINGENT UPON MEETING ALL SPECIFICATIONS, THE FOLLOWING HEATER MANUFACTURERS ARE ACCEPTABLE FOR BIDDING: DIMPLEX, OUELLET, QMARK, AND RAYWALL.
 - DISCONNECT SWITCH AND/OR THERMOSTAT SHALL COMPLY WITH NEC "POSITIVE OFF" REQUIREMENTS.



Room Schedule		
Number	Name	Area
210	LOBBY	148 SF
211	CONFERENCE	316 SF
212	COLLABORATION SPACE	729 SF
213	WORKSTATION	75 SF
216	OFFICE	145 SF
225	HALL	275 SF
230	LARGE MEETING ROOM	1519 SF
231	TABLE/CHAIR	137 SF
238	LOBBY	186 SF
239	CONFERENCE	208 SF
240	STORAGE	38 SF
241	HUMAN SERVICES	374 SF
243	OFFICE	127 SF
244	OFFICE	149 SF
245	WORKROOM	196 SF
246	OFFICE	181 SF
247	COMFORT ROOM	171 SF



1 Power Plan - Second Floor - Area A
1/8" = 1'-0"

2 Power Plan - Basement - Area B
1/8" = 1'-0"

NO.	DESCRIPTION	DATE
1	Addendum 2	11/17/25

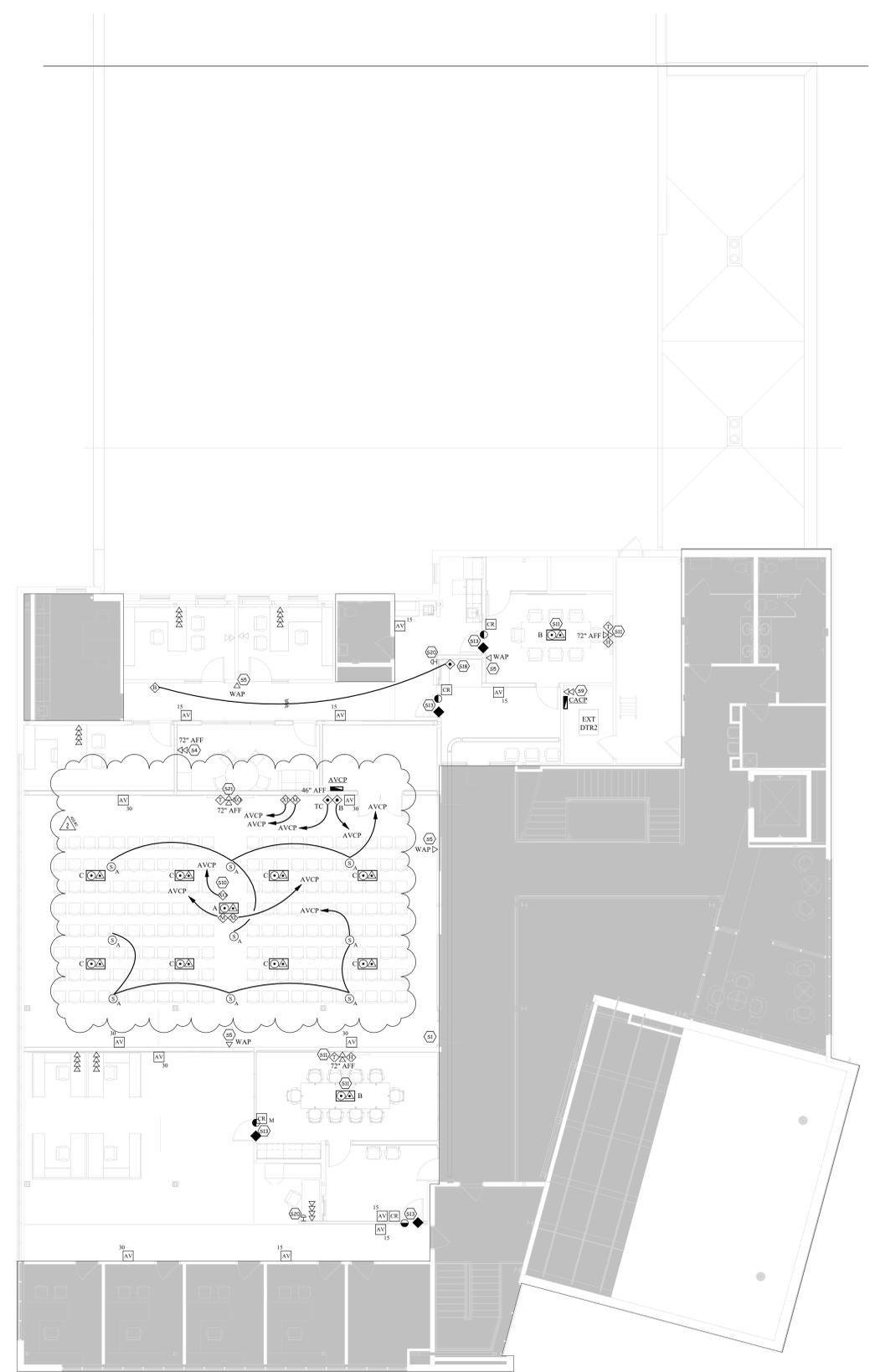
DUNN COUNTY
COURTHOUSE REMODEL
MANNING, ND

DATE	10/21/2025
PHASE	CONSTRUCTION DOCUMENTS
PROJECT	PE 25018
SHEET	E402
LEVEL	LEVEL 2 SYSTEMS PLAN



Keynote Legend	
S1	ALL WORK ON THIS LEVEL UNDER ADD UNDER ALTERNATE 1.
S4	PROVIDE WIREMOLD #EFSB2, OR EQUIVALENT TWO COMPARTMENT RECESSES WALL BOX. MATCH LOCATIONS WITH NOTE P5.
S5	PROVIDE ONE CAT6A NETWORK DROP AT THIS LOCATION ABOVE ACCESSIBLE CEILING SPACE OR AT THE CEILING STRUCTURE. PROVIDE FIFTEEN (15) FOOT OF EXCESS SERVICE LOOP FOR WIRELESS ACCESS POINT. WIRELESS ACCESS POINT SUPPLIED BY OTHERS AND INSTALLED BY DIV 27. PROVIDE PROPER J-HOOK SUPPORT AND CABLE TIE TO STRUCTURE AS REQUIRED. COORDINATE EXACT LOCATION AS REQUIRED.
S9	NETWORK DROPS FOR CACP.
S10	EC TO PROVIDE 2' X2' SUSPENDED CEILING PROJECTOR PLATE. CHIEF #CMS445. UTILIZE INCLUDED CABLE HANGERS TO SUPPORT PLATE FROM STRUCTURE AS PER MANUFACTURER'S INSTRUCTIONS. PROVIDE SINGLE-GANG PANDUIT NETWORK FACEPLATE WITH 'XO' DEVICE AND DUPLEX RECEPTACLE WITH 6' FLEX WHIP TO STRUCTURALLY MOUNTED J-BOX.
S11	SEE DETAIL 1/E403
S13	SEE DETAIL 5/E403 FOR CONTROLLED ACCESS ROUGH-IN INSTALLATION. CABLE PROVIDED BY OWNER VENDOR AND INSTALLED BY EC. ROUTE BACK TO CACP LOCATIONS SHOWN FOR FINAL CONNECTIONS BY OWNER VENDOR.
S18	PROVIDE DOOR BELL AND PUSH BUTTON. ENGRAVE BUTTON 'RING BELL FOR SERVICE'
S20	PROVIDE ROUGH-IN FOR PANIC BUTTONS ON THE UNDERSIDE OF DESK/CABINETS TO INTERCONNECT TO THE CONTROLLED ACCESS SYSTEM. COORDINATE LOCATION WITH CABINET INSTALLER OR FURNITURE PROVIDER. VERIFY LOCATION(S) WITH OWNER.
S21	PROVIDE WIREMOLD #EFSB4, OR EQUIVALENT FOUR COMPARTMENT RECESSES WALL BOX. MATCH LOCATIONS WITH NOTE P28. ONE COMPARTMENT DUPLEX RECEPT. ONE COMPARTMENT TWO DATA AND CATV. ONE COMPARTMENT 'XO', AND ONE COMPARTMENT WITH LEGRAND #WP1014WHV1 FOR FUTURE WITH 1" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE.

Room Schedule		
Number	Name	Area
210	LOBBY	148 SF
211	CONFERENCE	316 SF
212	COLLABORATION SPACE	729 SF
213	WORKSTATION	75 SF
218	OFFICE	145 SF
225	HALL	275 SF
230	LARGE MEETING ROOM	1,919 SF
231	TABLE/CHAIR	137 SF
238	LOBBY	186 SF
239	CONFERENCE	208 SF
240	STORAGE	38 SF
241	HUMAN SERVICES	374 SF
243	OFFICE	127 SF
244	OFFICE	149 SF
245	WORKROOM	196 SF
246	OFFICE	181 SF
247	COMFORT ROOM	171 SF



1
E402
Systems Plan - Second Floor - Area A
1/8" = 1'-0"

11/17/2025 11:24:36 AM