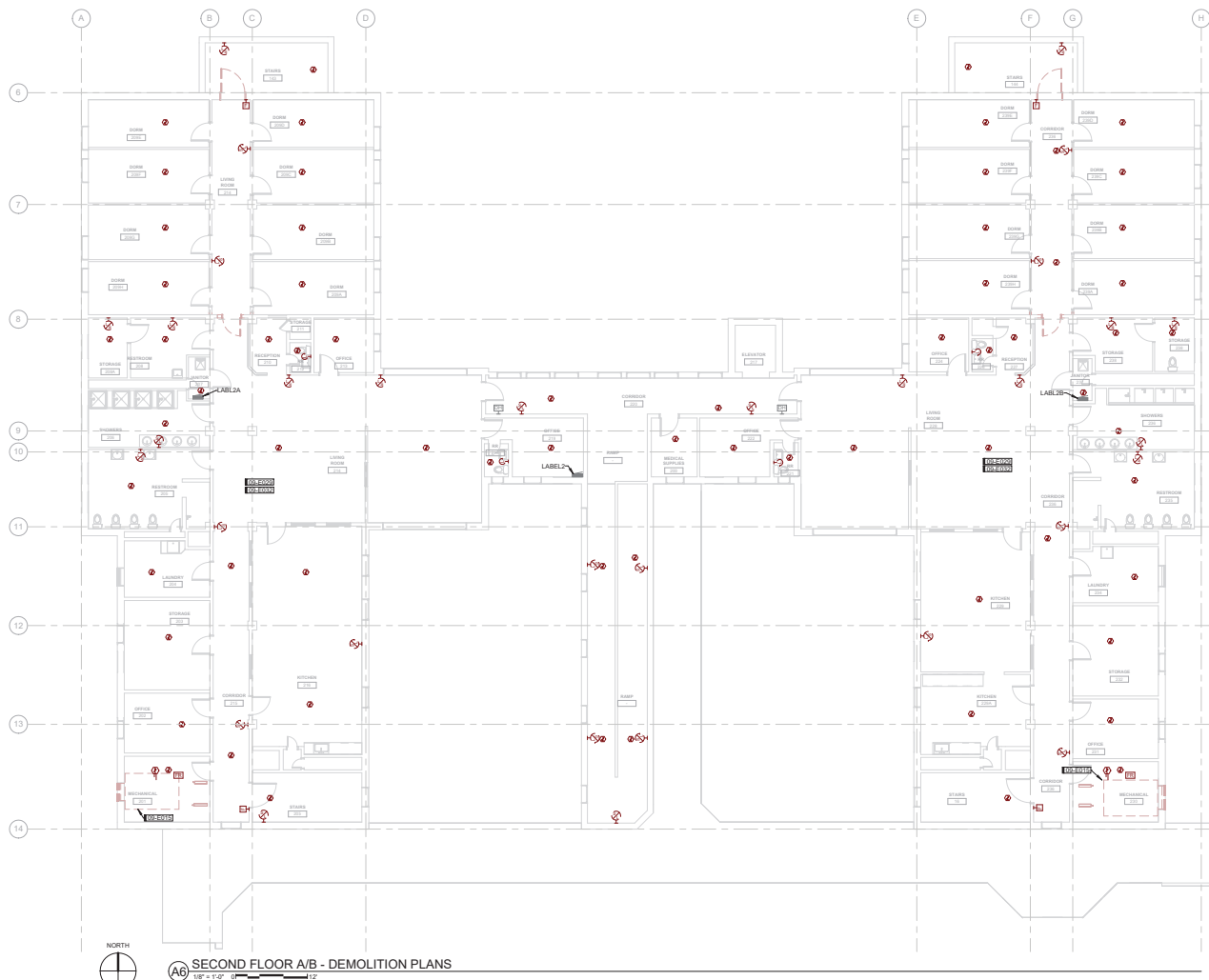
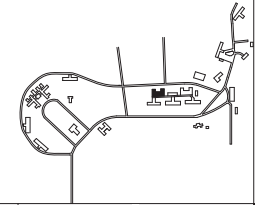


KEYNOTES	
KEY	NOTE
09-ED15	REMOVE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. REMOVE WIRING BACK TO ELECTRICAL PANEL.
09-ED29	EXISTING BRANCH CIRCUITING CONDUIT AND LOW VOLTAGE WIRING ABOVE THE LAY-IN CEILING TO BE TEMPORARY SUPPORTED BY ABATEMENT CONTRACTOR. ELECTRICAL CONTRACTOR PERMANENTLY SUPPORT CONDUIT AND LOW VOLTAGE WIRING AFTER ABATEMENT CONTRACTOR COMPLETES WORK. SUPPORT CHIEFS AND CONDUITS FROM STRUCTURE PRIOR TO FIRE-PROOFING BEING INSTALLED. EXISTING PAGING WIRING AND PAGING DEVICES TO BE REMOVED. PAGING SYSTEM IS NO LONGER OPERATIONAL. CAMERAS TO BE REMOVED BY THE OWNER PRIOR ANY WORK BEING COMPLETED. REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF CEILING REMOVAL.
09-ED32	LIGHT FIXTURES IN EXISTING LAY-IN CEILING TO BE REMOVED BY ABATEMENT CONTRACTOR. EXISTING CONTROLS TO REMAIN. ELECTRICAL CONTRACTOR TO CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CONTROLS. REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF CEILING REMOVAL.



NORTH  
**A6** SECOND FLOOR A/B - DEMOLITION PLANS  
 1/8" = 1'-0"



**SHIVEHATTERY**  
 ARCHITECTURAL ENGINEERING  
 1425 WESTWAY PARK, SUITE 100  
 WEST DEPTERME, N.A. 20209  
 715.252.5100 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
**9-LINDEN AB**  
 Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

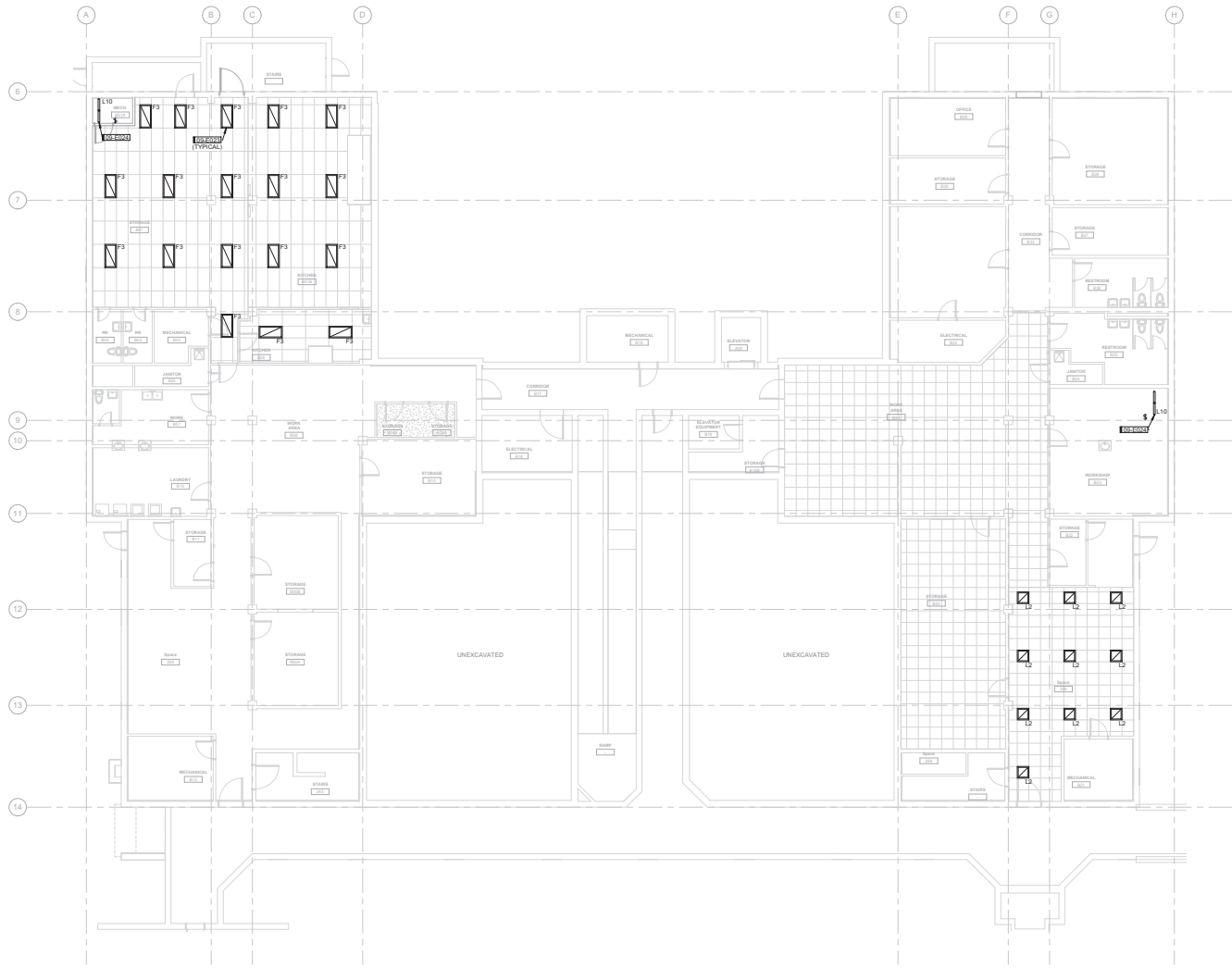
REV.	DATE
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03/27/2025
PROJECT NUMBER	221007400
FIELD BOOK	

**SECOND FLOOR A/B - DEMOLITION PLAN**  
**09-ED202**

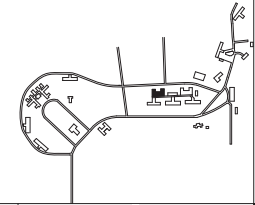
DATE	ISSUED FOR	CONSTRUCTION DOCUMENTS
03/27/2025	PROJECT NUMBER	221001040
	FIELD BOOK	

KEYNOTES	
KEY	NOTE
09-E103	REUSE EXISTING LIGHTING CONTROLS AND LIGHTING CIRCUIT. REMOVE EXISTING LIGHT FIXTURES IN THE AREA SHOWN WITH NEW LIGHT FIXTURES.
09-E104	EXTEND EXISTING LIGHTING CIRCUIT TO NEW LIGHT FIXTURE.

GENERAL NOTES  
1. REMOVE ALL CEILING AND WALL MOUNTED EXIT LIGHTS PRIOR TO CEILING BEING REMOVED. REINSTALL EXIT LIGHTS IN SAME LOCATION AFTER NEW CEILING IS INSTALLED.



**A6 BASEMENT LEVEL A/B - ELECTRICAL LIGHTING PLAN**  
1/8" = 1'-0"

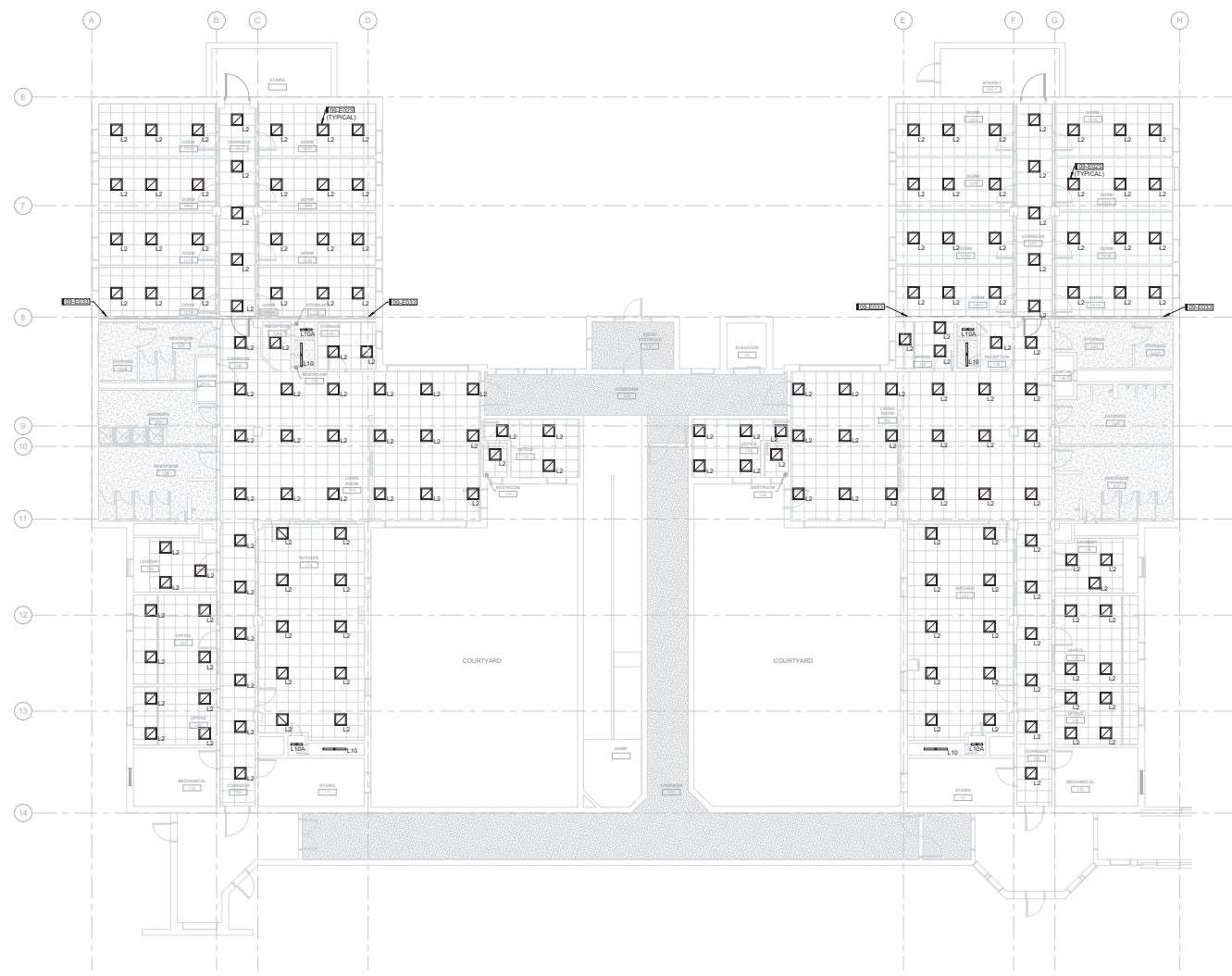


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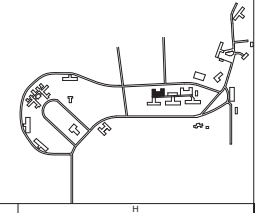
1  
2  
3  
4  
5  
6

GENERAL NOTES  
1. REMOVE ALL CEILING AND WALL MOUNTED EXT LIGHTS PRIOR TO CEILING BEING REMOVED. REINSTALL EXT LIGHTS IN SAME LOCATION AFTER NEW CEILING IS INSTALLED.

KEYNOTES	
KEY	NOTE
04-E033	REUSE EXISTING LIGHTING CONTROLS AND LIGHTING CIRCUIT. REMOVE EXISTING LIGHT FIXTURES IN THE AREA SHOWN WITH NEW LIGHT FIXTURES.
05-E033	FURNISH INSTALL NEW JUNCTION BOX AT EXISTING RECEPTACLE LOCATIONS. REMOVE EXISTING RECEPTACLE JUNCTION BOX AND EXTEND CONDUIT TO NEW JUNCTION BOX. INSTALL NEW RECEPTACLE IN NEW JUNCTION BOX.



**A6** FIRST FLOOR A/B - ELECTRICAL LIGHTING PLAN  
1/8" = 1'-0"



**SHIVEHATTERY**  
ARCHITECTS ENGINEERS  
1425 WESTWAY PARK, SUITE 100  
WEST DES MOINES, IA 50319  
(515) 281-1101 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
9-LINDEN AB

Iowa Department of Administrative Services  
1251 334th St., Woodward, IA 50278

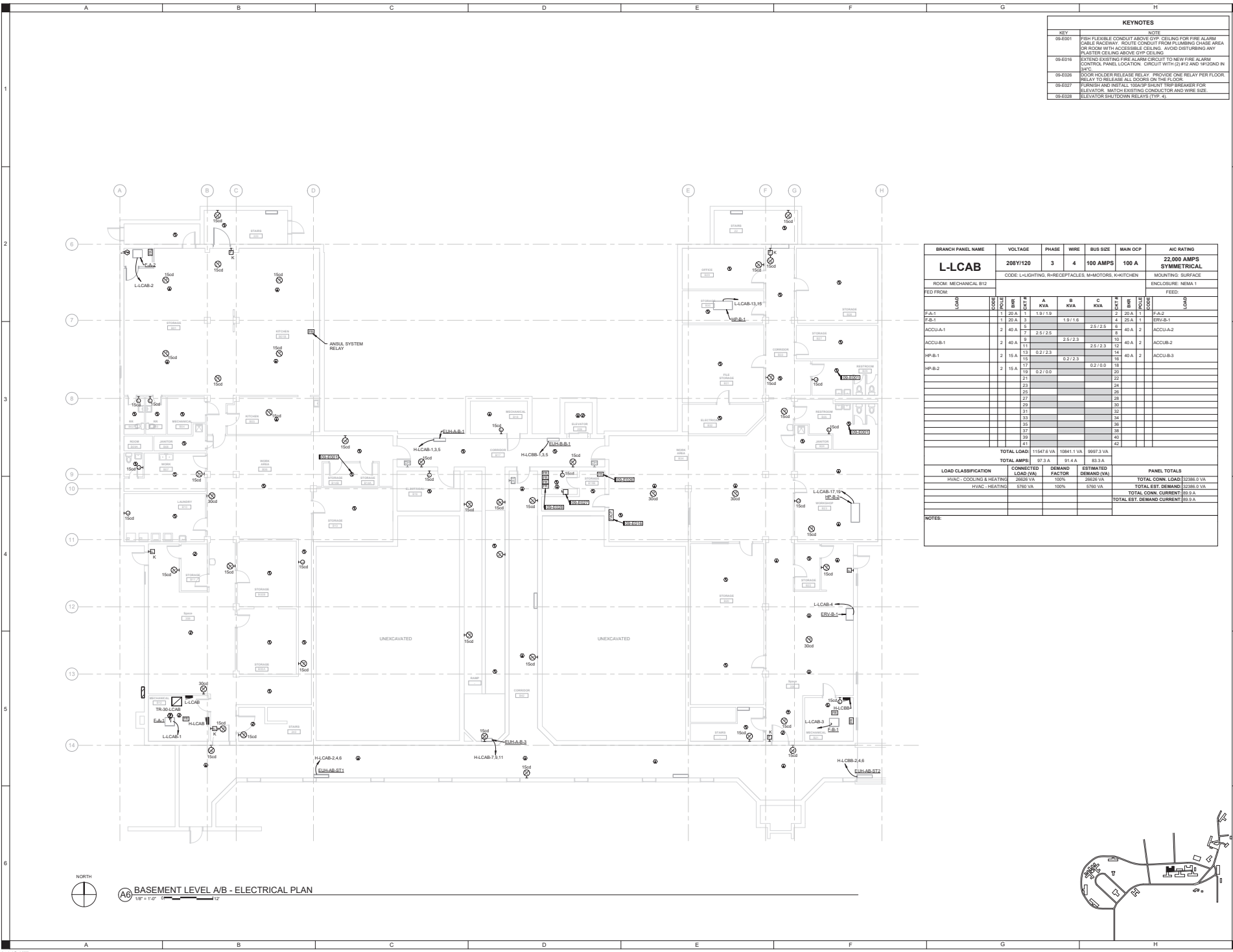
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUED DATE	03-27-2025
PROJECT NUMBER	224007440
FIELD BOOK	

**FIRST FLOOR  
A&B - LIGHTING  
PLAN**

09-E101

PROJECT: 2024-03-27-2025  
DRAWN BY: [Name]  
CHECKED BY: [Name]  
DATE: 03-27-2025





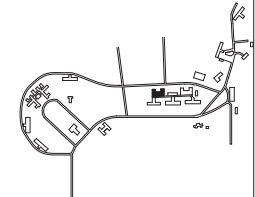
KEYNOTES	
KEY	NOTE
04-E001	FIBR FLEXIBLE CONDUIT ABOVE GYP. CEILING FOR FIRE ALARM CABLE RACEWAY. ROUTE CONDUIT FROM PLUMBING CHASE AREA OR ROOM WITH ACCESSIBLE CEILING. AVOID DISTURBING ANY PLASTER CEILING ABOVE GYP CEILING.
04-E016	EXTEND EXISTING FIRE ALARM CIRCUIT TO NEW FIRE ALARM CONTROL PANEL LOCATION. CIRCUIT WITH (2) #12 AND #12GND IN 3/4"Ø.
05-E026	DOOR HOLDER RELEASE RELAY. PROVIDE ONE RELAY PER FLOOR. RELAY TO RELEASE ALL DOORS ON THE FLOOR.
05-E027	FURNISH AND INSTALL 150A/3P SHUNT TRIP BREAKER FOR ELEVATOR. MATCH EXISTING CONDUCTOR AND WIRE SIZE.
05-E028	ELEVATOR SHUTDOWN RELAYS (TYP. 4).

BRANCH PANEL NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AC RATING		
<b>L-LCAB</b>	<b>208Y/120</b>	<b>3</b>	<b>4</b>	<b>100 AMPS</b>	<b>100 A</b>	<b>22,000 AMPS SYMMETRICAL</b>		
CODE: L-LIGHTING, R-RECEPTACLES, M-MOTORS, K-KITCHEN						MOUNTING SURFACE		
ROOM: MECHANICAL B12						ENCLOSURE: NEMA 1		
FED FROM						FEEDS		
TO	FROM	TO	FROM	TO	FROM	TO		
1	20 A	1	19 / 19	1.9 / 1.6	2	20 A	1	FA-2
2	40 A	5	25 / 25	25 / 25	5	40 A	2	ACCU-A-2
3	40 A	11	25 / 23	25 / 23	12	40 A	2	ACCU-B-2
4	40 A	13	0.2 / 2.3	0.2 / 2.3	14	40 A	2	ACCU-B-3
5	15 A	17	0.2 / 0.0	0.2 / 0.0	18	40 A	2	ACCU-B-3
6	21	21			22			
7	23	23			24			
8	25	25			26			
9	27	27			28			
10	29	29			30			
11	31	31			32			
12	33	33			34			
13	35	35			36			
14	37	37			38			
15	39	39			40			
16	41	41			42			
<b>TOTAL LOAD:</b> 11547.6 VA						10841.1 VA	9997.3 VA	
<b>TOTAL AMPS:</b> 97.3 A						91.4 A	83.3 A	
<b>LOAD CLASSIFICATION</b>						<b>PANEL TOTALS</b>		
HVAC - COOLING & HEATING						TOTAL CONN. LOAD: 23388.0 VA		
HVAC - HEATING						TOTAL EST. DEMAND: 23388.0 VA		
						TOTAL CONN. CURRENT: 103.9 A		
						TOTAL EST. DEMAND CURRENT: 83.9 A		

NOTES:



**A6 BASEMENT LEVEL A/B - ELECTRICAL PLAN**  
1/8" = 1'-0"



SHIVEHATTERY  
 ARCHITECTS & ENGINEERS  
 1435 WESTDALE PARKWAY, SUITE 100  
 WEST DES MOINES, IA 50309  
 515.283.5101 | WWW.SHIVEHATTERY.COM

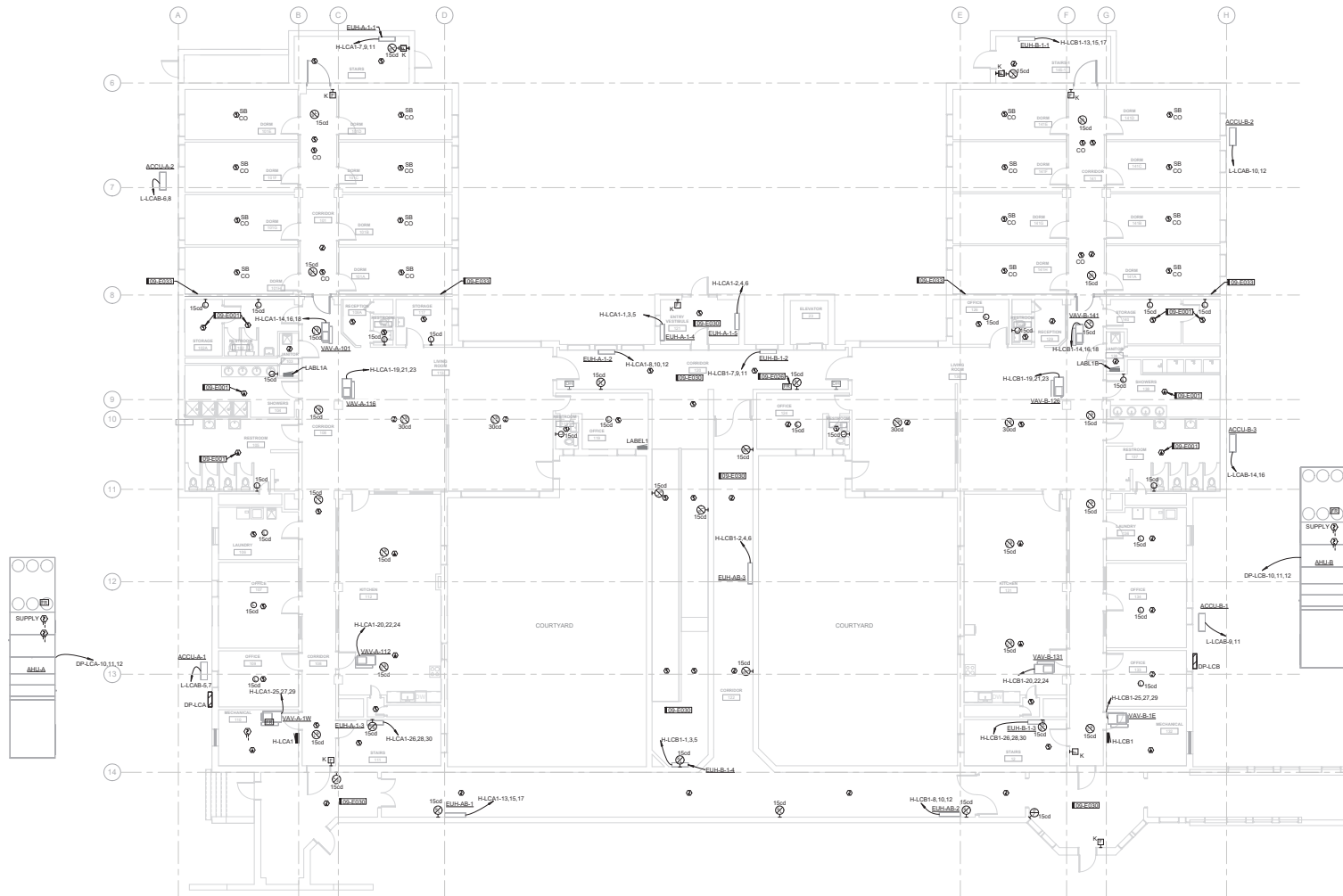
WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)  
 9-LINDEN AB  
 Iowa Department of Administrative Services  
 1251 334th St., Woodward, IA 50278

DRAWN BY: KMR  
 CHECKED BY: KMR  
 APPROVED BY: [Signature]  
 ISSUED FOR: CONSTRUCTION DOCUMENTS  
 ISSUE DATE: 03/27/2025  
 PROJECT NUMBER: 22400040  
 FIELD BOOK:

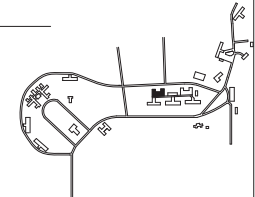
**BASEMENT LEVEL A/B - POWER PLAN**  
 09-E200

REV.	DATE
ISSUED FOR CONSTRUCTION DOCUMENTS	03/27/2025
PROJECT NUMBER	22400740
FIELD BOOK	

KEYNOTES	
KEY	NOTE
09-E001	FISH FLEXIBLE CONDUIT ABOVE OYP. CEILING FOR FIRE ALARM CABLE RACKING. ROUTE CONDUIT FROM PLUMBING CHASE AREA OR ROOM WITH ACCESSIBLE CEILING. AVOID DISTURBING ANY PLASTER CEILING ABOVE OYP CEILING.
09-E002	DOOR HOLDER RELEASE RELAY. PROVIDE ONE RELAY PER FLOOR. RELAY TO RELEASE ALL DOORS ON THE FLOOR.
09-E003	REUSE EXISTING CONDUIT AND BACK BOXES TO INSTALL NEW FIRE ALARM DEVICES IN THESE AREAS.
09-E003	LOCATIONS: REMOVE EXISTING RECEPTACLE JUNCTION BOX AND EXTEND CONDUIT TO NEW JUNCTION BOX. INSTALL NEW RECEPTACLE IN NEW JUNCTION BOX.

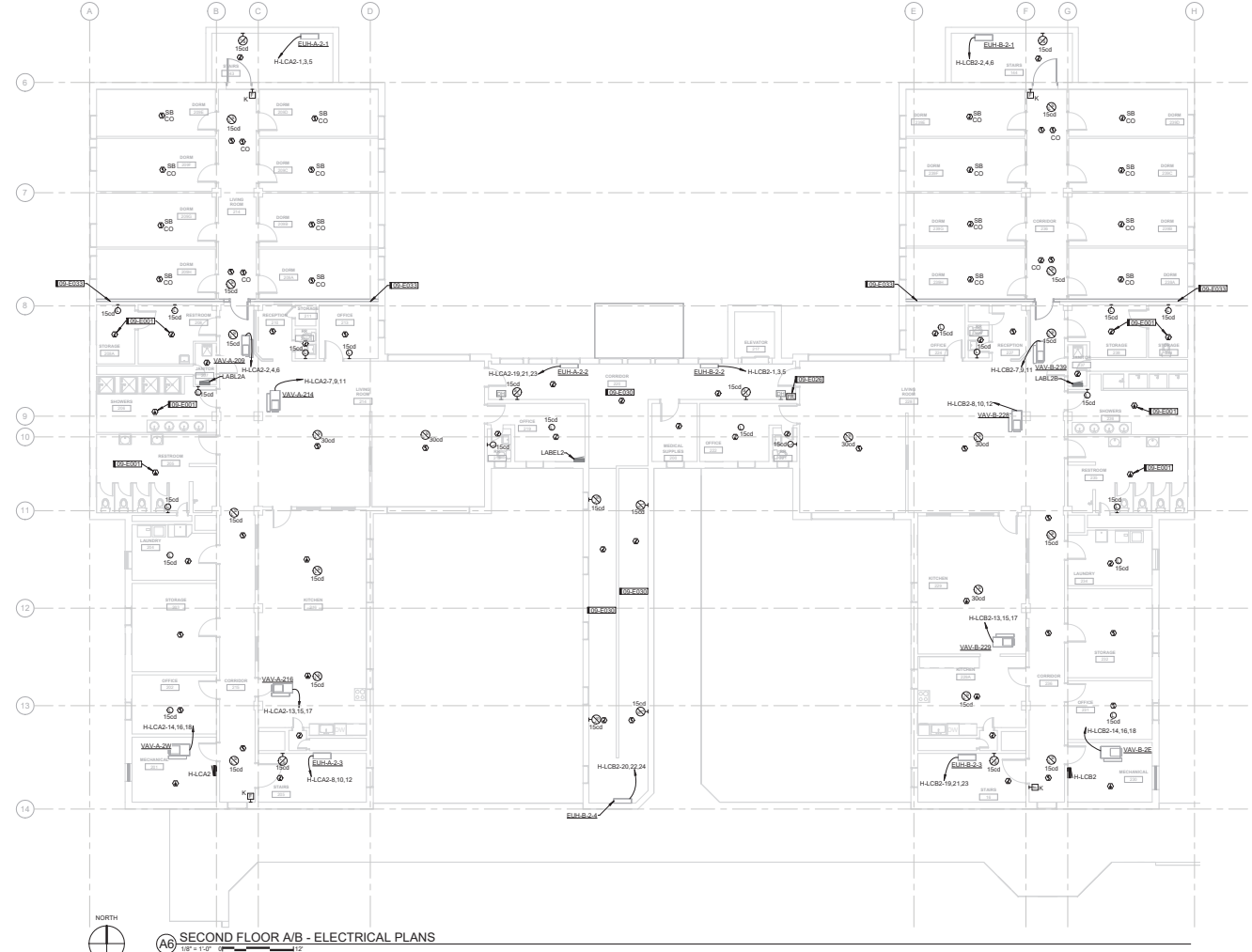


**(A6) FIRST FLOOR A/B - ELECTRICAL PLAN**  
1/8" = 1'-0"



PROJECT: 22400740 - WRC DECENTRALIZATION PHASE 4 & FIRE ALARM PHASE 3 (9279.40)  
DATE: 03/27/2025  
DRAWN BY: [REDACTED]  
CHECKED BY: [REDACTED]  
SCALE: 1/8" = 1'-0"

KEYNOTES	
KEY	NOTE
00-E001	FIBR FLEXIBLE CONDUIT ABOVE OVP. CEILING FOR FIRE ALARM CHASE RACEWAY. ROUTE CONDUIT FROM PLUMBING CHASE AREA OR ROOM WITH ACCESSIBLE CEILING. AVOID DISTURBING ANY PLASTER CEILING ABOVE OVP CEILING.
00-E002	DOOR HOLDER RELEASE RELAY. PROVIDE ONE RELAY PER FLOOR RELAY TO RELEASE ALL DOORS ON THE FLOOR.
00-E003	RELIEF EXISTING CONDUIT AND BACK BOXES TO INSTALL NEW FIRE ALARM DEVICES IN THESE AREAS.
00-E003	PARNER INSTALL NEW JUNCTION BOX AT EXISTING RECEPTACLE LOCATIONS. REMOVE EXISTING RECEPTACLE JUNCTION BOX AND EXTEND CONDUIT TO NEW JUNCTION BOX. INSTALL NEW RECEPTACLE IN NEW JUNCTION BOX.



BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>H-LCAB</b>		480Y/277	3	4	100 AMPS	100 A	22,000 AMPS SYMMETRICAL
CODE: L(LIGHTING), R(RECEPTACLES), M(MOTORS), K(KITCHEN) MOUNTING SURFACE							
ROOM: MECHANICAL B12				ENCLOSURE: NEMA 1			
FED FROM: DP-LCA				FEED:			
LOAD	CODE	POLE	PHASE	A KVA	B KVA	C KVA	LOAD
ELRH-A-1	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-A-1
ELRH-B-3	3	20A	3	1.7/0.0	1.7/0.0	1.7/0.0	ELRH-B-3
TOTAL LOAD: 5966.7 VA 5966.7 VA 5966.7 VA TOTAL AMPS: 20.5 A 20.5 A 20.5 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		17000 VA	100%	17000 VA	TOTAL CONN. LOAD: 17000.0 VA		
		17000 VA	100%	17000 VA	TOTAL EST. DEMAND: 17000.0 VA		
					TOTAL CONN. CURRENT: 20.4 A		
					TOTAL EST. DEMAND CURRENT: 20.4 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>H-LCA1</b>		480Y/277	3	4	125 AMPS	125 A	22,000 AMPS SYMMETRICAL
CODE: L(LIGHTING), R(RECEPTACLES), M(MOTORS), K(KITCHEN) MOUNTING SURFACE							
ROOM: MECHANICAL 119				ENCLOSURE: NEMA 1			
FED FROM: DP-LCA				FEED:			
LOAD	CODE	POLE	PHASE	A KVA	B KVA	C KVA	LOAD
ELRH-A-14	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-A-14
ELRH-A-11	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-A-11
ELRH-B-1	3	20A	3	2.7/3.0	2.7/3.0	2.7/3.0	ELRH-B-1
WAV-A-116	3	35A	21	7.0/5.0	7.0/5.0	7.0/5.0	WAV-A-116
WAV-A-1W	3	35A	21	7.0/1.3	7.0/1.3	7.0/1.3	WAV-A-1W
TOTAL LOAD: 31333.3 VA 31333.3 VA 31333.3 VA TOTAL AMPS: 113.1 A 113.1 A 113.1 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		66000 VA	100%	66000 VA	TOTAL CONN. LOAD: 66000.0 VA		
HVAC - HEATING		28000 VA	100%	28000 VA	TOTAL EST. DEMAND: 66000.0 VA		
					TOTAL CONN. CURRENT: 113.1 A		
					TOTAL EST. DEMAND CURRENT: 113.1 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>H-LCA2</b>		480Y/277	3	4	125 AMPS	125 A	22,000 AMPS SYMMETRICAL
CODE: L(LIGHTING), R(RECEPTACLES), M(MOTORS), K(KITCHEN) MOUNTING SURFACE							
ROOM: MECHANICAL 201				ENCLOSURE: NEMA 1			
FED FROM: DP-LCA				FEED:			
LOAD	CODE	POLE	PHASE	A KVA	B KVA	C KVA	LOAD
ELRH-A-21	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-A-21
WAV-A-214	3	35A	9	7.7/2.0	7.7/2.0	7.7/2.0	WAV-A-214
WAV-A-216	3	25A	15	5.0/8.3	5.0/8.3	5.0/8.3	WAV-A-216
ELRH-A-22	3	20A	21	1.3/0.0	1.3/0.0	1.3/0.0	ELRH-A-22
TOTAL LOAD: 29666.7 VA 29666.7 VA 29666.7 VA TOTAL AMPS: 107.1 A 107.1 A 107.1 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		78000 VA	100%	78000 VA	TOTAL CONN. LOAD: 78000.0 VA		
HVAC - HEATING		14000 VA	100%	14000 VA	TOTAL EST. DEMAND: 78000.0 VA		
					TOTAL CONN. CURRENT: 107.1 A		
					TOTAL EST. DEMAND CURRENT: 107.1 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>H-LCBB</b>		480Y/277	3	4	100 AMPS	100 A	22,000 AMPS SYMMETRICAL
CODE: L(LIGHTING), R(RECEPTACLES), M(MOTORS), K(KITCHEN) MOUNTING SURFACE							
ROOM: MECHANICAL B21				ENCLOSURE: NEMA 1			
FED FROM: DP-LCB				FEED:			
LOAD	CODE	POLE	PHASE	A KVA	B KVA	C KVA	LOAD
ELRH-B-1	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-B-1
TOTAL LOAD: 4000.0 VA 4000.0 VA 4000.0 VA TOTAL AMPS: 14.4 A 14.4 A 14.4 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - HEATING		12000 VA	100%	12000 VA	TOTAL CONN. LOAD: 12000.0 VA		
					TOTAL EST. DEMAND: 12000.0 VA		
					TOTAL CONN. CURRENT: 14.4 A		
					TOTAL EST. DEMAND CURRENT: 14.4 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>H-LCB1</b>		480Y/277	3	4	125 AMPS	125 A	22,000 AMPS SYMMETRICAL
CODE: L(LIGHTING), R(RECEPTACLES), M(MOTORS), K(KITCHEN) MOUNTING SURFACE							
ROOM: MECHANICAL 132				ENCLOSURE: NEMA 1			
FED FROM: DP-LCB				FEED:			
LOAD	CODE	POLE	PHASE	A KVA	B KVA	C KVA	LOAD
ELRH-A-14	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-A-14
ELRH-B-12	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-B-12
ELRH-B-1	3	20A	3	1.3/2.8	1.3/2.8	1.3/2.8	ELRH-B-1
VAV-B-126	3	35A	21	6.7/5.7	6.7/5.7	6.7/5.7	VAV-B-126
VAV-B-1E	3	35A	21	6.7/1.3	6.7/1.3	6.7/1.3	VAV-B-1E
TOTAL LOAD: 32000.0 VA 32000.0 VA 32000.0 VA TOTAL AMPS: 117.3 A 117.3 A 117.3 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		66000 VA	100%	66000 VA	TOTAL CONN. LOAD: 66000.0 VA		
HVAC - HEATING		32000 VA	100%	32000 VA	TOTAL EST. DEMAND: 66000.0 VA		
					TOTAL CONN. CURRENT: 117.3 A		
					TOTAL EST. DEMAND CURRENT: 117.3 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>H-LCB2</b>		480Y/277	3	4	125 AMPS	125 A	22,000 AMPS SYMMETRICAL
CODE: L(LIGHTING), R(RECEPTACLES), M(MOTORS), K(KITCHEN) MOUNTING SURFACE							
ROOM: MECHANICAL 230				ENCLOSURE: NEMA 1			
FED FROM: DP-LCB				FEED:			
LOAD	CODE	POLE	PHASE	A KVA	B KVA	C KVA	LOAD
ELRH-B-22	3	20A	3	1.3/2.7	1.3/2.7	1.3/2.7	ELRH-B-22
VAV-B-239	3	30A	9	4.0/7.7	4.0/7.7	4.0/7.7	VAV-B-239
VAV-B-229	3	35A	15	6.7/7.7	6.7/7.7	6.7/7.7	VAV-B-229
ELRH-B-23	3	20A	21	1.3/1.3	1.3/1.3	1.3/1.3	ELRH-B-23
TOTAL LOAD: 31333.3 VA 31333.3 VA 31333.3 VA TOTAL AMPS: 113.1 A 113.1 A 113.1 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		78000 VA	100%	78000 VA	TOTAL CONN. LOAD: 78000.0 VA		
HVAC - HEATING		18000 VA	100%	18000 VA	TOTAL EST. DEMAND: 78000.0 VA		
					TOTAL CONN. CURRENT: 113.1 A		
					TOTAL EST. DEMAND CURRENT: 113.1 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>DP-LCA</b>		480Y/277	3	4	400 AMPS	400 A	42000 AIC
MOUNTING: WALL							
ROOM: MECH-1				ENCLOSURE: NEMA 3R			
FED FROM: MOP-1				FEED:			
CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	
2.5 ELRH-B-1		100 A	3	3868.1 VA	3868.1 VA	3868.1 VA	ELRH-B-1
7.8.9 ELRH-B-1		125 A	3	31333.3 VA	31333.3 VA	31333.3 VA	ELRH-B-1
10.11.12 ELRH-B-1		125 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
13		150 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
14							
15							
TOTAL LOAD: 93271 VA 93271 VA 93271 VA TOTAL AMPS: 337.8 A 337.8 A 337.8 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		56000 VA	100%	56000 VA	TOTAL CONN. LOAD: 17913 VA		
					TOTAL EST. DEMAND: 17913 VA		
					CONNECTED CURRENT: 337.8 A		
					ESTIMATED DEMAND CURRENT: 337.8 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>DP-LCB</b>		480Y/277	3	4	400 AMPS	400 A	42000 AIC
MOUNTING: WALL							
ROOM: MECH-1				ENCLOSURE: NEMA 3R			
FED FROM: MOP-1				FEED:			
CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	
2.5 ELRH-B-1		100 A	3	3868.1 VA	3868.1 VA	3868.1 VA	ELRH-B-1
7.8.9 ELRH-B-1		125 A	3	31333.3 VA	31333.3 VA	31333.3 VA	ELRH-B-1
10.11.12 ELRH-B-1		125 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
13		150 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
14							
15							
TOTAL LOAD: 93271 VA 93271 VA 93271 VA TOTAL AMPS: 337.8 A 337.8 A 337.8 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		60000 VA	100%	60000 VA	TOTAL CONN. LOAD: 18313 VA		
					TOTAL EST. DEMAND: 18313 VA		
					CONNECTED CURRENT: 341 A		
					ESTIMATED DEMAND CURRENT: 341 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>DP-LCA</b>		480Y/277	3	4	400 AMPS	400 A	42000 AIC
MOUNTING: WALL							
ROOM: MECH-1				ENCLOSURE: NEMA 3R			
FED FROM: MOP-1				FEED:			
CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	
2.5 ELRH-B-1		100 A	3	3868.1 VA	3868.1 VA	3868.1 VA	ELRH-B-1
7.8.9 ELRH-B-1		125 A	3	31333.3 VA	31333.3 VA	31333.3 VA	ELRH-B-1
10.11.12 ELRH-B-1		125 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
13		150 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
14							
15							
TOTAL LOAD: 93271 VA 93271 VA 93271 VA TOTAL AMPS: 337.8 A 337.8 A 337.8 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		56000 VA	100%	56000 VA	TOTAL CONN. LOAD: 17913 VA		
					TOTAL EST. DEMAND: 17913 VA		
					CONNECTED CURRENT: 337.8 A		
					ESTIMATED DEMAND CURRENT: 337.8 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>DP-LCB</b>		480Y/277	3	4	400 AMPS	400 A	42000 AIC
MOUNTING: WALL							
ROOM: MECH-1				ENCLOSURE: NEMA 3R			
FED FROM: MOP-1				FEED:			
CIRCUIT DESCRIPTION	NOTES	TRIP	POLES	A	B	C	
2.5 ELRH-B-1		100 A	3	3868.1 VA	3868.1 VA	3868.1 VA	ELRH-B-1
7.8.9 ELRH-B-1		125 A	3	31333.3 VA	31333.3 VA	31333.3 VA	ELRH-B-1
10.11.12 ELRH-B-1		125 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
13		150 A	3	29666.7 VA	29666.7 VA	29666.7 VA	ELRH-B-1
14							
15							
TOTAL LOAD: 93271 VA 93271 VA 93271 VA TOTAL AMPS: 337.8 A 337.8 A 337.8 A							
LOAD CLASSIFICATION		CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING		60000 VA	100%	60000 VA	TOTAL CONN. LOAD: 18313 VA		
					TOTAL EST. DEMAND: 18313 VA		
					CONNECTED CURRENT: 341 A		
					ESTIMATED DEMAND CURRENT: 341 A		

BRANCH PANEL NAME		VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>DP-LCB</b>		480Y/277	3	4	400 AMPS	400 A	42000 AIC
MOUNTING: WALL							
ROOM: MECH-1				ENCLOSURE: NEMA 3R			
FED FROM: MOP-1				FEED:			



KEYNOTES	
KEY	NOTE
12FP01	ROUTE NEW FIRE PROTECTION MAINS FROM EXISTING FIRE PUMP HEADERS TO UNDER COURT BUILDINGS. DESIGN INTENT IS TO ROUTE FIRE PROTECTION MAINS IN LOCATION OF ABANDONED CHILLED WATER PIPE MAINS.
12FP02	ROUTE NEW FIRE PROTECTION PIPING IN HALLWAY TO STEAM TUNNEL ACCESS. FIRE PROTECTION PIPING TO ROUTE TO BUILDINGS A & C FROM THE EXISTING STEAM TUNNEL.
12FP03	UNEXCAVATED AREA, ACCESS PANELS ON EITHER SIDE OF THE PIPE ROUTING AT THESE LOCATIONS. PIPE ROUTING SHOWN IS THE ANTICIPATED PIPE ROUTING. FIELD VERIFY EXACT PIPE ROUTING PRIOR TO INSTALLATION.
12FP04	REFER TO SHEET 13FP100 FOR PIPE ROUTING CONTINUATION.
12FP05	NEW FIRE PROTECTION PIPING IS INTENDED TO BE ROUTED IN THE ROUTE OF THE DEMOLISHED CHILLED WATER PIPING IN THE PREVIOUS PHASE. FIELD VERIFY EXACT PIPE ROUTING PRIOR TO INSTALLATION.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.

**SHIVEHATTERY**  
 ARCHITECTS & ENGINEERS  
 1425 WESTDALE PARKWAY, SUITE 100  
 WEST DES MOINES, IA 50309  
 515.283.5101 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
**12-MED CENTER**

DESIGNED BY	APPROVED BY
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03/27/2025
PROJECT NUMBER	221001040
FIELD BOOK	

**12-FP100**

PROJECT: WRC DECENTRALIZATION PHASE 4 & FIRE ALARM PHASE 3  
 SHEET: 12-FP100  
 DATE: 03/27/2025

WALL RATING INDICATORS AND CODES						
PLAN INDICATOR LINE STYLE	SEPARATION DESIGNATION	RATING	DESCRIPTION	USE	DOORS	HWAC
	FB-L&E	1 HR	FIRE BARRIER	EXIT ENCLOSURES	60 MIN	NOT ALLOWED
	FB-L&O	1 HR	FIRE BARRIER	OCCUPANCY SEPARATION	45 MIN	ALLOWED W/ FIRE-SMOKE DAMPERS

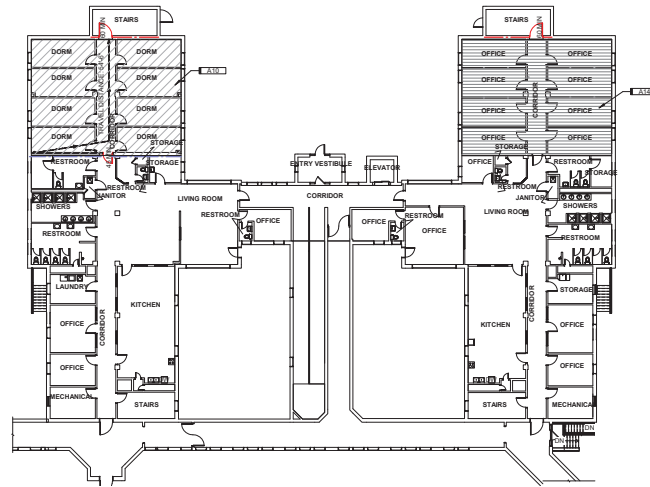
CODE PLAN GENERAL NOTES

- FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNAGE OR IDENTIFYING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL BE LOCATED WITHIN 1' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION AND INCLUDE LETTERING NOT LESS THAN 3" TALL AND A MINIMUM 3/8-INCH STRIKE IN A CONTRASTING COLOR STATING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".
- LIFE SAFETY PLAN SHEET SHALL BE PRINTED IN COLOR.

LIFE SAFETY PLAN SYMBOLS LEGEND

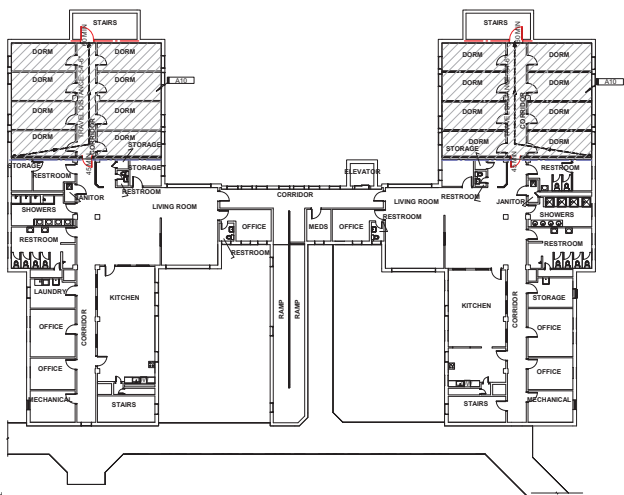
- TRAVEL DISTANCE 20'-0" → EXIT PATH AND ASSOCIATED TRAVEL DISTANCE
- ROOM NAME → ROOM NUMBER → ROOM AREA
- EXIT SIGN → ILLUMINATED SURFACE (BLACK QUARTERS)
- DIRECTIONAL ARROWS
- DOOR FIRE RATING
- SLEEPING UNIT, REQUIRING 1-HOUR OCCUPANCY SEPARATION OF FLOOR/CEILING AND ASSEMBLY ABOVE AND BELOW
- ALL PENETRATIONS IN CEILING ABOVE TO BE RATED TO MAINTAIN R-2 OCCUPANCY SEPARATION.

KEYNOTES	
KEY	NOTE
A10	SINGLE SLEEPING UNIT AS DESIGNATED WITH HATCH REGION
A14	MAINTAIN 1-HR FIRE RATING OF FLOOR/CEILING ASSEMBLY ABOVE



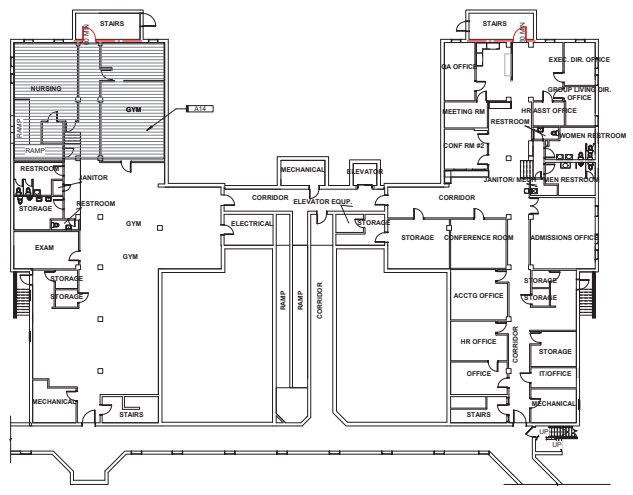
D4 FIRST FLOOR LIFE SAFETY PLAN - BUILDING C & D

1/8" = 1'-0" 0" = 24"



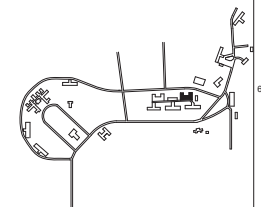
A6 SECOND FLOOR LIFE SAFETY PLAN - BUILDING C & D

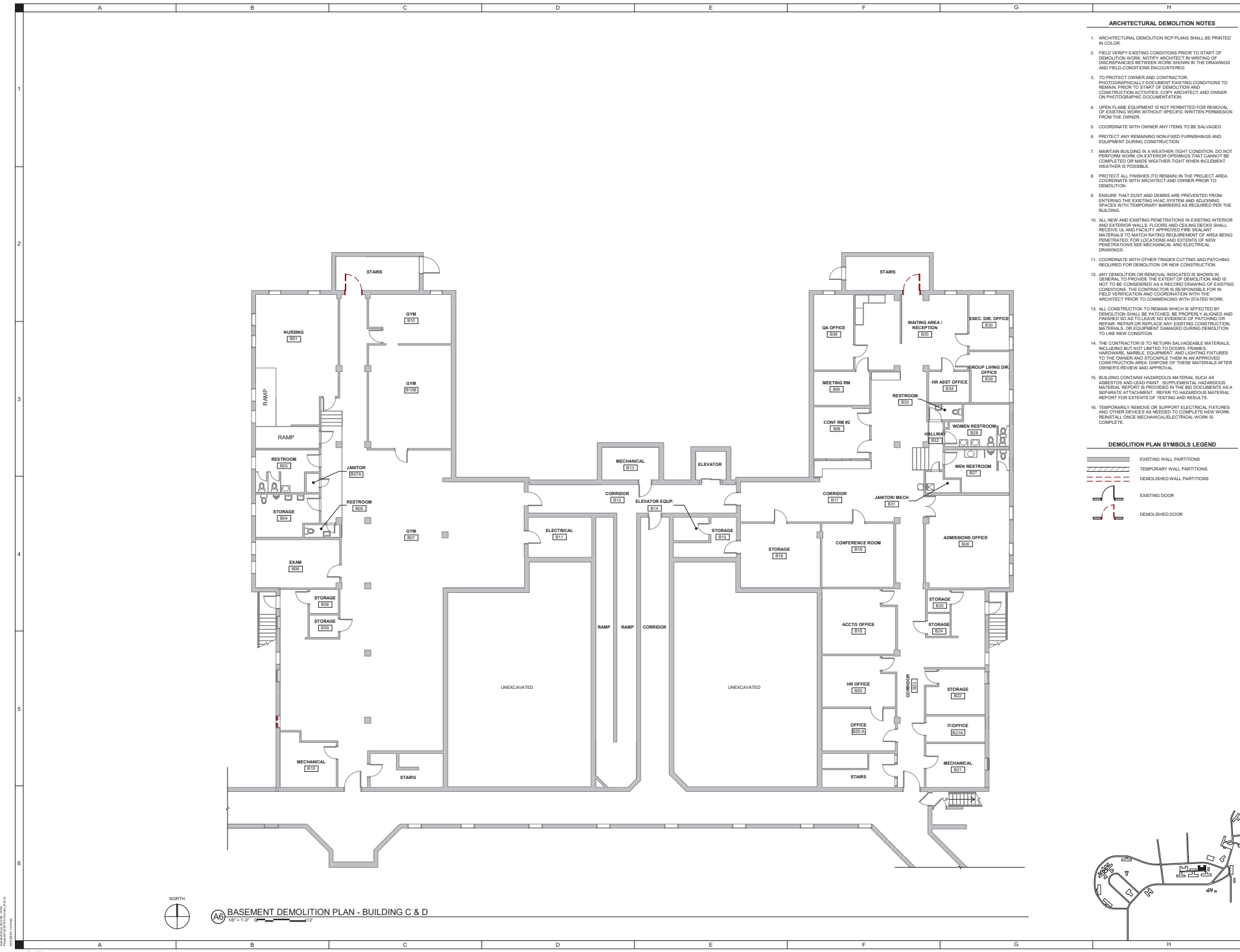
1/8" = 1'-0" 0" = 24"



D6 BASEMENT LIFE SAFETY PLAN - BUILDING C & D

1/8" = 1'-0" 0" = 24"

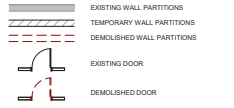




**ARCHITECTURAL DEMOLITION NOTES**

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3. TO PROTECT OWNER AND CONTRACTOR, PHOTOGRAPHICALLY DOCUMENT EXISTING CONDITIONS TO REMAIN. PRIOR TO START OF DEMOLITION AND CONSTRUCTION ACTIVITIES, COPY ARCHITECT AND OWNER ON PHOTOGRAPHIC DOCUMENTATION.
4. OPEN FLAME EQUIPMENT IS NOT PERMITTED FOR REMOVAL OF EXISTING WORK WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER.
5. COORDINATE WITH OWNER ANY ITEMS TO BE SALVAGED.
6. PROTECT ANY REMAINING NON-FIXED FURNISHINGS AND EQUIPMENT DURING CONSTRUCTION.
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**DEMOLITION PLAN SYMBOLS LEGEND**



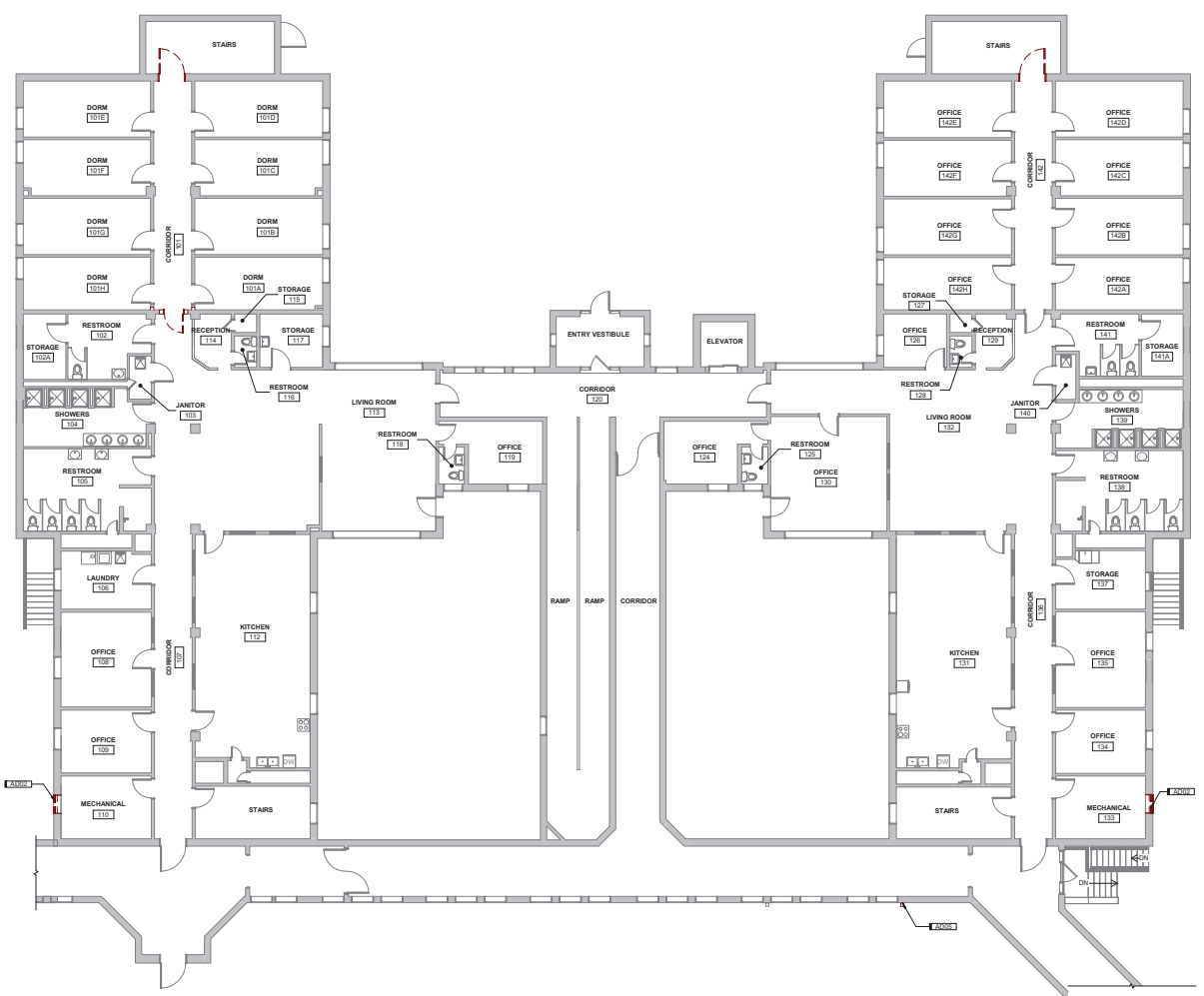
**(A6) BASEMENT DEMOLITION PLAN - BUILDING C & D**  
 1/8" = 1'-0"

**SHIVE-HATTERY**  
 ARCHITECTS INC. • 1100 W. 12TH ST. SUITE 100  
 WEST DES MOINES, IA 50319  
 P: 515.281.1100 • F: 515.281.1101 • WWW.SHIVE-HATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 13-LINDEN CD  
 IA D&S  
 Woodward, IA 50276

OWNER	CLM
DRAWN BY	CONSTRUCTION DOCUMENTS
ISSUED FOR	03.27.2024
ISSUE DATE	22400040
PROJECT NUMBER	
FIELD BOOK	

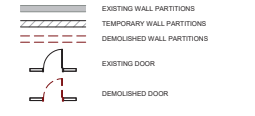
**BASEMENT DEMOLITION PLAN - BUILDING C & D**  
 13-AD00



**ARCHITECTURAL DEMOLITION NOTES**

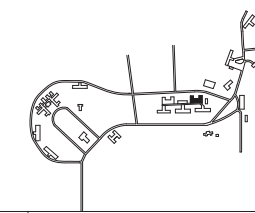
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**DEMOLITION PLAN SYMBOLS LEGEND**



KEYNOTES	
KEY	NOTE
AD02	REMOVE EXISTING LOUVER AND PREP OPENING FOR NEW LOUVER
AD06	PROTECT EXISTING CORNEROUT AND ADJUST AS REQUIRED TO PROPOSED GRADES. COORDINATE WITH DUCTWORK.

NORTH  
**B6 FIRST FLOOR DEMOLITION PLAN - BUILDING C & D**  
 1/8" = 1'-0"



**SHIVEHATTERY**  
 ARCHITECTURE ENGINEERING  
 1425 WESTOWN WAY, SUITE 300  
 WEST DES MOINES, IA 50319  
 P: 515.281.1100 | F: 515.281.1101 | WWW.SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 15-LINDEN CD  
 IA D&S  
 Woodward, IA 50276

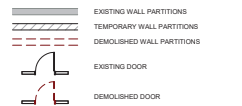
OWNER	CLM
DRAWN BY	CONSTRUCTION DOCUMENTS
ISSUED FOR	03/27/2025
ISSUE DATE	22/000048
PROJECT NUMBER	
FIELD BOOK	

**FIRST FLOOR DEMOLITION PLAN - BUILDING C & D**  
 13-AD01

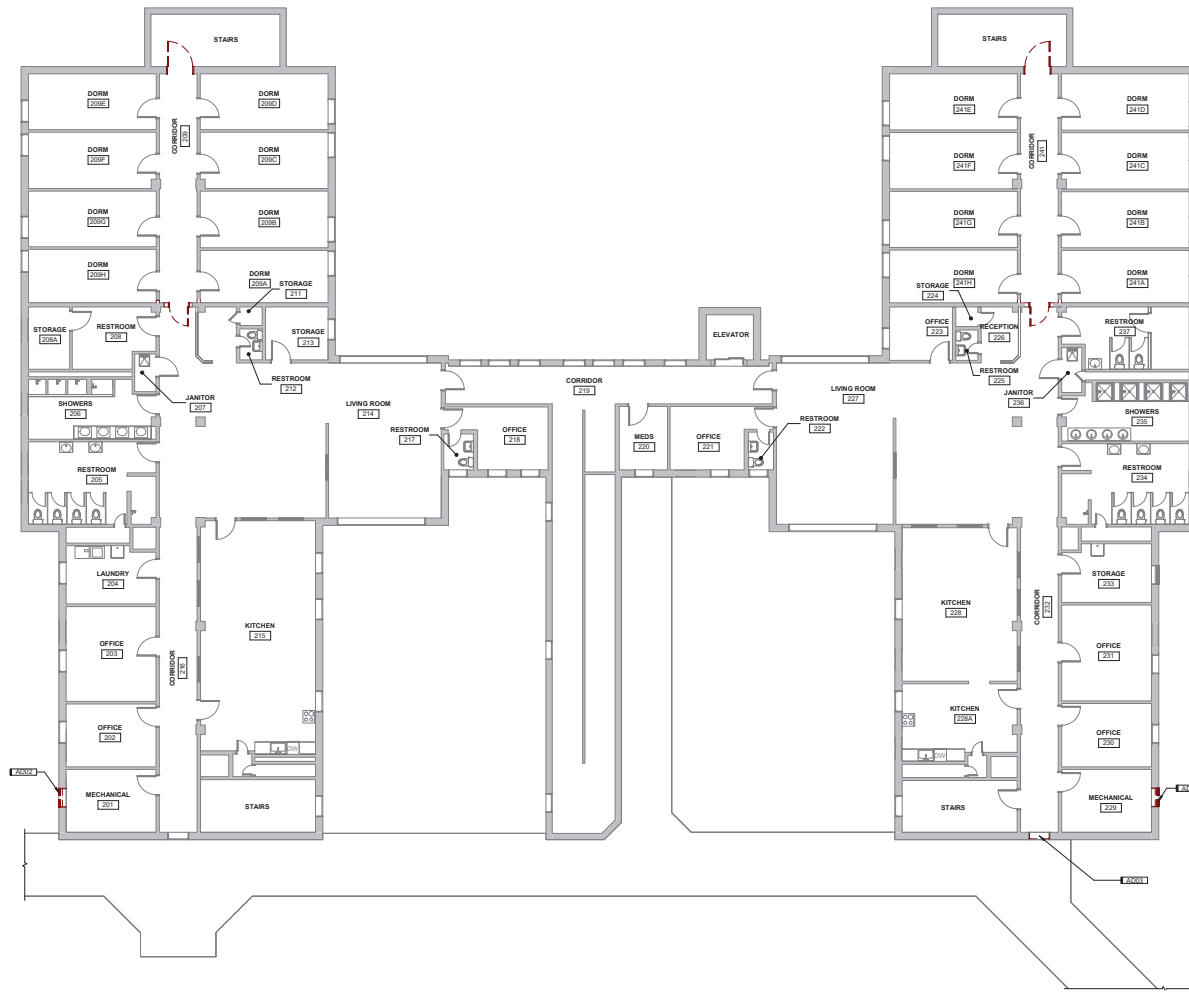
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**DEMOLITION PLAN SYMBOLS LEGEND**



KEYNOTES	
KEY	NOTE
ADD1	REMOVE EXISTING LOCKER AND PREP OPENING FOR NEW LOCKER
ADD2	REMOVE EXISTING WINDOW AND PREP OPENING FOR INFILL



**ARCHITECTURAL DEMOLITION NOTES**

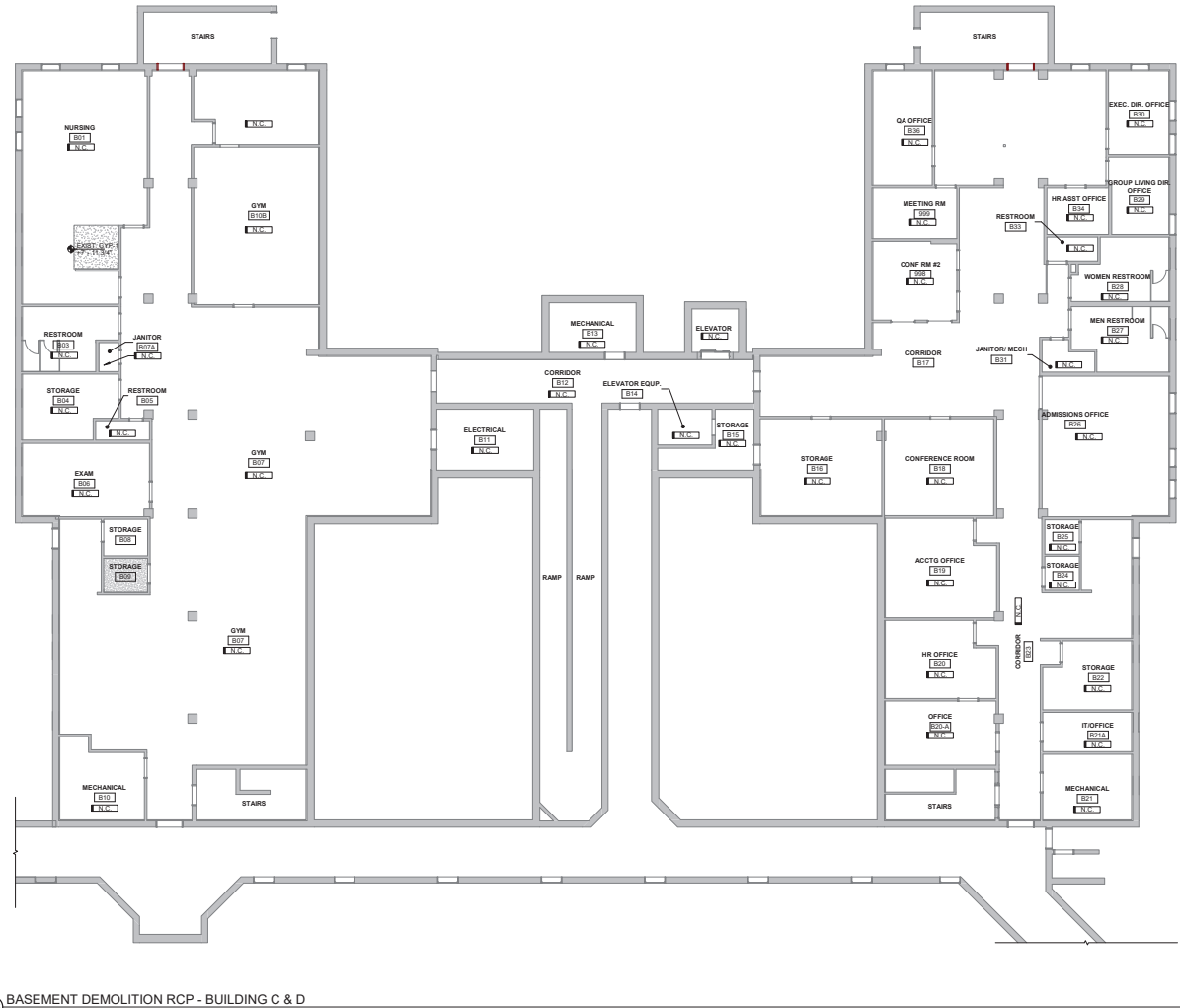
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**DEMOLITION RCP SYMBOLS LEGEND**

- EXISTING WALL PARTITIONS
- TEMPORARY WALL PARTITIONS
- DEMOLISHED WALL PARTITIONS
- EXISTING DOOR
- DEMOLISHED DOOR
- DEMOLITION OF ALL FIRST AND SECOND FLOOR CEILING TO BE DONE BY ABATEMENT CONTRACTOR AND PREPARE FOR NEW CEILING. ALL BASEMENT CEILING TO BE DONE BY CONTRACTOR.
- DEMOLITION OF ALL FIRST AND SECOND FLOOR CEILING TO BE DONE BY ABATEMENT CONTRACTOR AND PREPARE FOR NEW CEILING. ALL BASEMENT CEILING TO BE DONE BY CONTRACTOR.
- DEMOLITION OF PLASTER CEILING ABOVE EXISTING CEILING BY ABATEMENT CONTRACTOR.
- NO CEILING IN SPACE

**KEYNOTES**

KEY	NOTE
[Symbol]	[Symbol]



**B6 BASEMENT DEMOLITION RCP - BUILDING C & D**  
1/8" = 1'-0"

WRC Decentralization Phase 4 & Fire Alarm Phase 3 (927.40)  
15-LINDEN CD

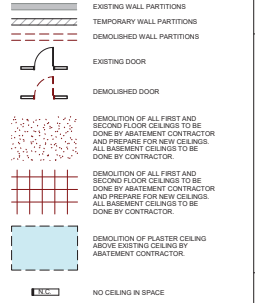
OWNER	CLM
DRAWN BY	CONSTRUCTION DOCUMENTS
ISSUED FOR	03-27-2018
ISSUE DATE	22-000048
PROJECT NUMBER	
FIELD BOOK	

**BASEMENT DEMOLITION RCP - BUILDING C & D**

**ARCHITECTURAL DEMOLITION NOTES**

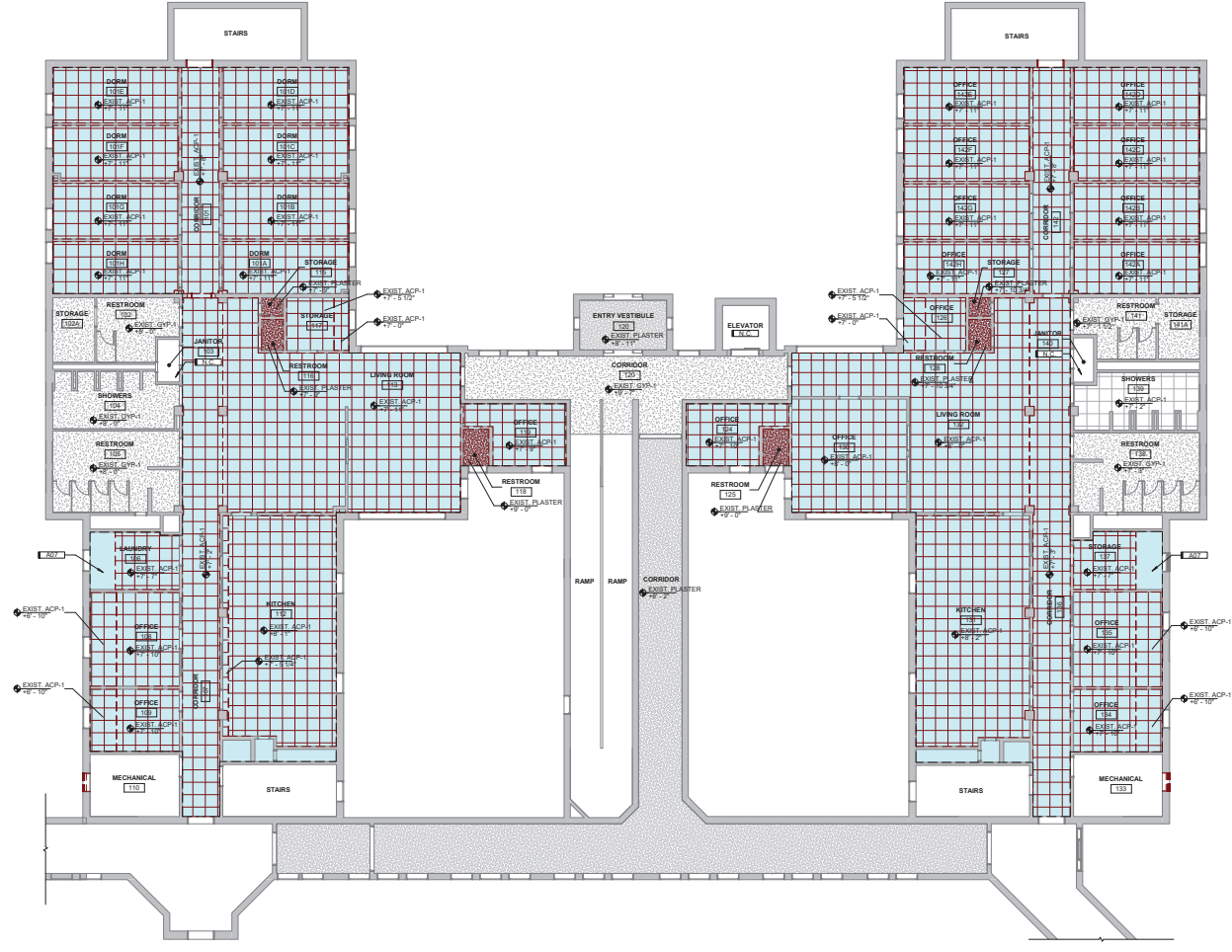
1. ARCHITECTURAL DEMOLITION RCP PLANS SHALL BE PRINTED IN COLOR.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION WORK. NOTIFY ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN WORK SHOWN IN THE DRAWINGS AND FIELD CONDITIONS ENCOUNTERED.
3. TO PROTECT OWNER AND CONTRACTOR, PHOTOGRAPHICALLY DOCUMENT EXISTING CONDITIONS TO REMAIN. PRIOR TO START OF DEMOLITION AND CONSTRUCTION ACTIVITIES, COPY ARCHITECT AND OWNER ON PHOTOGRAPHIC DOCUMENTATION.
4. OPEN FLAME EQUIPMENT IS NOT PERMITTED FOR REMOVAL OF EXISTING WORK WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE OWNER.
5. COORDINATE WITH OWNER ANY ITEMS TO BE SALVAGED.
6. PROTECT ANY REMAINING UNFINISHED FURNISHINGS AND EQUIPMENT DURING CONSTRUCTION.
7. MAINTAIN BUILDING IN A WEATHER-TIGHT CONDITION. DO NOT PERFORM WORK ON EXTERIOR OPENINGS THAT CANNOT BE COMPLETED OR MADE WEATHER-TIGHT WHEN INCIDENT WEATHER IS POSSIBLE.
8. PROTECT ALL FINISHES TO REMAIN IN THE PROJECT AREA. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO DEMOLITION.
9. ENSURE THAT DUST AND DEBRIS ARE PREVENTED FROM ENTERING THE EXISTING HVAC SYSTEM AND ADJOINING SPACES WITH TEMPORARY BARRIERS AS REQUIRED PER THE BUILDING.
10. ALL NEW AND EXISTING PENETRATIONS IN EXISTING INTERIOR AND EXTERIOR WALLS, FLOORS AND CEILING DECKS SHALL RECEIVE UL AND FACILITY APPROVED FIRE SEALANT MATERIALS TO MATCH RATING REQUIREMENT OF AREA BEING PENETRATED. FOR LOCATIONS AND EXTENTS OF NEW PENETRATIONS SEE MECHANICAL AND ELECTRICAL DRAWINGS.
11. COORDINATE WITH OTHER TRADES CUTTING AND PATCHING REQUIRED FOR DEMOLITION OR NEW CONSTRUCTION.
12. ANY DEMOLITION OR REMOVAL INDICATED IS SHOWN IN GENERAL. TO PROTECT THE EXTENT OF DEMOLITION AND IS NOT TO BE CONSIDERED AS A RECORD DRAWING OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR IN-FIELD VERIFICATION AND COORDINATION WITH THE ARCHITECT PRIOR TO COMMENCING WITH STARTED WORK.
13. ALL CONSTRUCTION TO REMAIN WHICH IS AFFECTED BY DEMOLITION SHALL BE PATCHED, BE PROPERLY ALIGNED AND FINISHED AS TO LEAVE NO EVIDENCE OF PATCHING OR REPAIR. REPAIR OR REPLACE ANY EXISTING CONSTRUCTION MATERIALS, OR EQUIPMENT DAMAGED DURING DEMOLITION TO LIKE NEW CONDITION.
14. THE CONTRACTOR IS TO RETURN SALVAGEABLE MATERIALS, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, HARDWARE, MARBLE, EQUIPMENT, AND LIGHTING FIXTURES TO THE OWNER AND STOCKPILE THEM IN AN APPROVED CONSTRUCTION AREA. DISPOSE OF THESE MATERIALS AFTER OWNER'S REVIEW AND APPROVAL.
15. BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.
16. TEMPORARILY REMOVE OR SUPPORT ELECTRICAL FIXTURES AND OTHER DEVICES AS NEEDED TO COMPLETE NEW WORK. REINSTALL ONCE MECHANICAL/ELECTRICAL WORK IS COMPLETE.

**DEMOLITION RCP SYMBOLS LEGEND**



**KEYNOTES**

KEY	NOTE
A07	EXISTING DUCTWORK EXPOSED - NO ACOUSTICAL CEILING.



**FIRST FLOOR DEMOLITION RCP - BUILDING C & D**  
1/8" = 1'-0"

WRCN Decentralization Phase 4 & Fire Alarm Phase 3 (927.9.40)  
15-LINDEN CD

DRN  
CLM  
CONSTRUCTION DOCUMENTS  
ISSUE DATE 03/27/2024  
PROJECT NUMBER 22-000048  
FIELD BOOK

FIRST FLOOR DEMOLITION RCP - BUILDING C & D

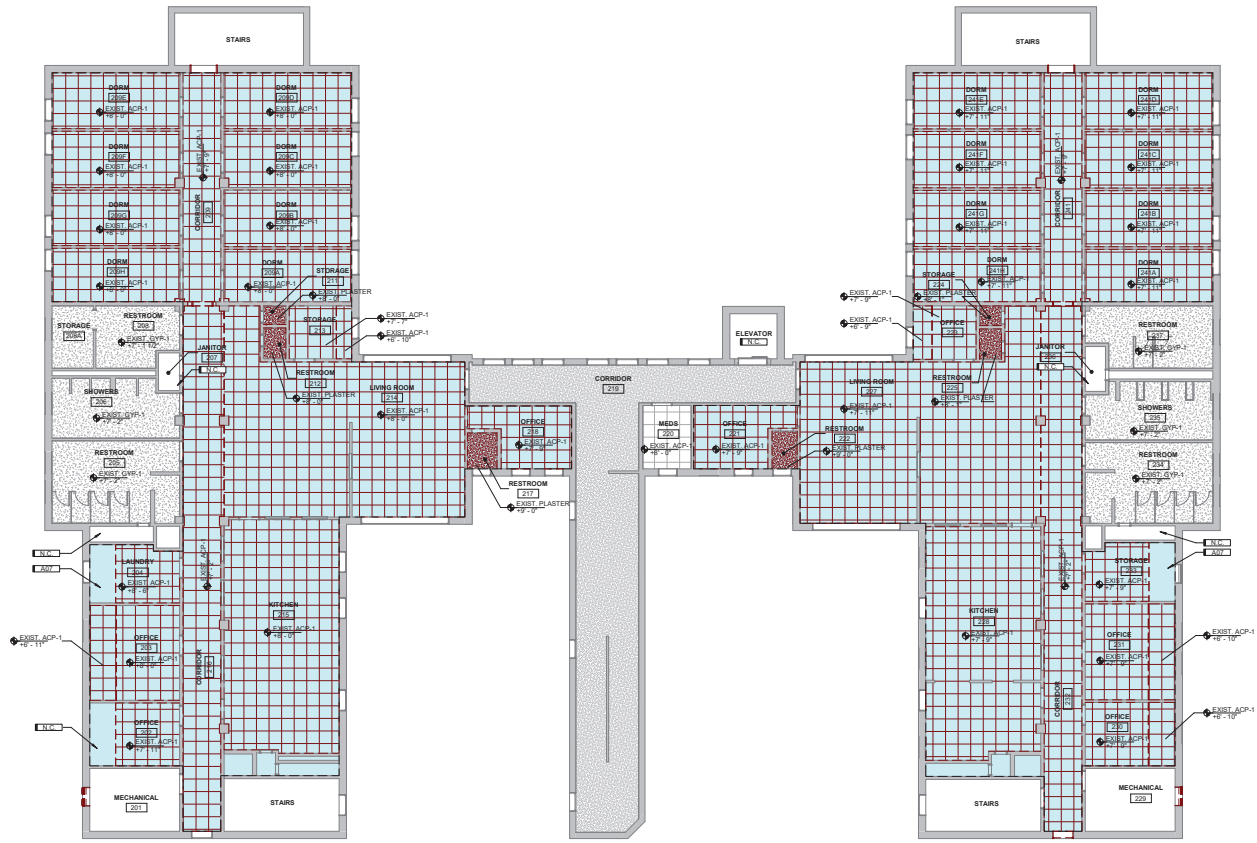
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3. TO PROTECT OWNER AND CONTRACTOR, PHOTOGRAPHICALLY DOCUMENT EXISTING CONDITIONS TO REMAIN. PRIOR TO START OF DEMOLITION AND CONSTRUCTION ACTIVITIES, COPY ARCHITECT AND OWNER ON PHOTOGRAPHIC DOCUMENTATION.
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7. MAINTAIN BUILDING IN A WEATHER-TIGHT CONDITION. DO NOT PERFORM WORK ON EXTERIOR OPENINGS THAT CANNOT BE COMPLETED OR MADE WEATHER-TIGHT WHEN INCLEMENT WEATHER IS POSSIBLE.
8. PROTECT ALL FINISHES TO REMAIN IN THE PROJECT AREA. COORDINATE WITH ARCHITECT AND OWNER PRIOR TO DEMOLITION.
9. ENSURE THAT DUST AND DEBRIS ARE PREVENTED FROM ENTERING THE EXISTING HVAC SYSTEM AND ADJOINING SPACES WITH TEMPORARY BARRIERS AS REQUIRED PER THE BUILDING CODE.
10. ALL NEW AND EXISTING PENETRATIONS IN EXISTING INTERIOR AND EXTERIOR WALLS, FLOORS AND CEILING DECKS SHALL RECEIVE UL AND FACILITY APPROVED FIRE SEALANT MATERIALS TO MATCH RATING REQUIREMENT OF AREA BEING PENETRATED. FOR LOCATIONS AND EXTENTS OF NEW PENETRATIONS SEE MECHANICAL AND ELECTRICAL DRAWINGS.
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16. TEMPORARILY REMOVE OR SUPPORT ELECTRICAL FIXTURES AND OTHER DEVICES AS NEEDED TO COMPLETE NEW WORK. REINSTALL ONCE MECHANICAL/ELECTRICAL WORK IS COMPLETE.

**DEMOLITION RCP SYMBOLS LEGEND**

	EXISTING WALL PARTITIONS
	TEMPORARY WALL PARTITIONS
	DEMOLISHED WALL PARTITIONS
	EXISTING DOOR
	DEMOLISHED DOOR
	DEMOLITION OF ALL FIRST AND SECOND FLOOR CEILING TO BE DONE BY ABATEMENT CONTRACTOR AND PREPARE FOR NEW CEILING. ALL BASEMENT CEILING TO BE DONE BY CONTRACTOR.
	DEMOLITION OF ALL FIRST AND SECOND FLOOR CEILING TO BE DONE BY ABATEMENT CONTRACTOR AND PREPARE FOR NEW CEILING. ALL BASEMENT CEILING TO BE DONE BY CONTRACTOR.
	DEMOLITION OF PLASTER CEILING ABOVE EXISTING CEILING BY ABATEMENT CONTRACTOR.
	NO CEILING IN SPACE

KEYNOTES	
KEY	NOTE
A07	EXISTING DUCTWORK EXPOSED- NO ACOUSTICAL CEILING



**B6 SECOND FLOOR DEMOLITION RCP- BUILDING C & D**  
1/17/2018

WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)  
15-LINDEN CD

OWNER	CLM
DRAWN BY	CONSTRUCTION DOCUMENTS
APPROVED BY	03/27/2018
ISSUED FOR	22-000008
ISSUE DATE	
PROJECT NUMBER	
FIELD BOOK	

SECOND FLOOR  
DEMOLITION RCP  
- BUILDING C & D

DOOR AND FRAME SCHEDULE - BUILDING C & D															
MARK	ROOM NAME	FINISHED OPENING SIZE		THICK	LEAF			FRAME			REMARKS				
		WIDTH	HEIGHT		TYPE	MTRL	GLAZ	MTRL TYPE	HEAD	JAMB					
13-181	CORRIDOR	9'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	V2	-	-	02	45 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-149	STAIRS	4'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	F2	-	-	03	60 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-148	STAIRS	4'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	F2	-	-	03	60 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-200	CORRIDOR	9'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	V2	-	-	02	45 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-241	CORRIDOR	9'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	V2	-	-	02	45 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-245	STAIRS	4'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	F2	-	-	03	60 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-246	STAIRS	4'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	F2	-	-	03	60 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-851	NURSING	9'-0"	6'-0"	1-3/4"	F	HM	FIRE-RATED	HM-50	V2	ALIA100	ASA100	01		9279.40	
13-845	STAIRS	4'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	F2	-	-	03	60 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH
13-846	STAIRS	4'-0"	7'-0"	1-3/4"	NV	HM	FIRE-RATED	HM-50	F2	-	-	03	60 MIN	9279.41	REINSTALL EXISTING POSITION SWITCH

DOOR HARDWARE GROUPS			
GROUP #1 SINGLE MECHANICAL LOUVER DOOR			
1EA	HEAVY DUTY HINGES	TAT795, 4-1/2"	US32D MCK
1EA	STOREROOM LOCKSET	PROVIDED BY OWNER	
GROUP #2 SINGLE, 60 MIN. FIRE RATED DOOR			
3EA	HEAVY DUTY HINGES	TAT795, 4-1/2"	US32D MCK
1EA	ELEC. MORTISE LOCKSET	PROVIDED BY OWNER	
1EA	CLOSER	4000P DEL EDA	AL LCN
1EA	OVERHEAD STOP	9999	US32D RD
1SET	KICKPLATE	8400 8" X 34"	US32D IV
1SET	SMOKE GASKET	PKS2BL	US32D BL
GROUP #3 SINGLE, 60 MIN. FIRE RATED DOOR			
3EA	HEAVY DUTY HINGES	TAT795, 4-1/2"	US32D MCK
1EA	ELEC. MORTISE LOCKSET	PROVIDED BY OWNER	
1EA	RM EXIT DEVICE	888P	US32D SA
1EA	CLOSER	4000P DEL EDA	AL LCN
1EA	OVERHEAD STOP	9999	US32D RD
1EA	KICKPLATE	8400 8" X 34"	US32D IV
1SET	SMOKE GASKET	PKS2BL	US32D BL

- ### FLOOR PLAN NOTES
- WATER-RESISTANT GYPSUM BOARD SHALL BE USED FOR STUD PARTITIONS IN TOILET ROOMS, BATHROOM CLOSETS, FIRE SERVICE ROOMS, MECHANICAL ROOMS, AND ANY ADDITIONAL LOCATIONS DESIGNATED IN CONTRACT DOCUMENTS.
  - WHERE STRUCTURAL ELEMENTS INTERFERE WITH FIRE-RATED PARTITIONS, FRAME TOP OF WALL AROUND STRUCTURAL ELEMENT.
  - REFER TO DRAWINGS OF ALL TRADES FOR ADDITIONAL INFORMATION REGARDING ITEMS PENETRATING FLOORS, WALLS, AND CEILING.
  - ALL NEW PARTITIONS ARE DIMENSIONED TO FACE OF STUD, MASONRY, OR CONCRETE COMPONENT UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING ELEMENTS ARE TO EXPOSED FACE.
  - ALL DOORS IN STUD WALL CONSTRUCTION ARE TO BE LOCATED WITH EDGE OF FRAME TO FACE OF ADJACENT PARTITION UNLESS NOTED OTHERWISE. DIMENSIONS TO LOCATED DOORS NOT DIRECTLY ADJACENT TO WALLS ARE GIVEN TO OUTSIDE EDGE OF FRAME.
  - ALL NEW WALLS AND HM DOORS & FRAMES TO BE PAINTED AS SPECIFIED.

### MANUFACTURER ABBREVIATIONS

W - WESS  
LGN - LGN CLOSERS  
MCK - MCKINNEY  
PE - PEMCO  
RD - ROCKWOOD  
SA - SARGENT

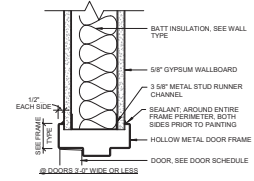
- ### FLOOR PLAN SYMBOLS & LEGEND
- DOOR MARK
  - WALL CORE MATERIAL
  - WALL CORE WIDTH
  - WALL HEIGHT CODE
  - WALL GYP LAYERS
  - WALL MODIFIER CODE

### FRAME NAMING CONVENTION

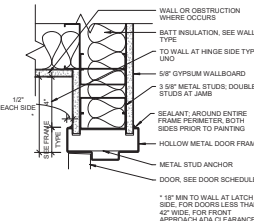
HM-10-V2  
F  
2  
4  
7  
FIXED / SPECIFIED

### KEYNOTES

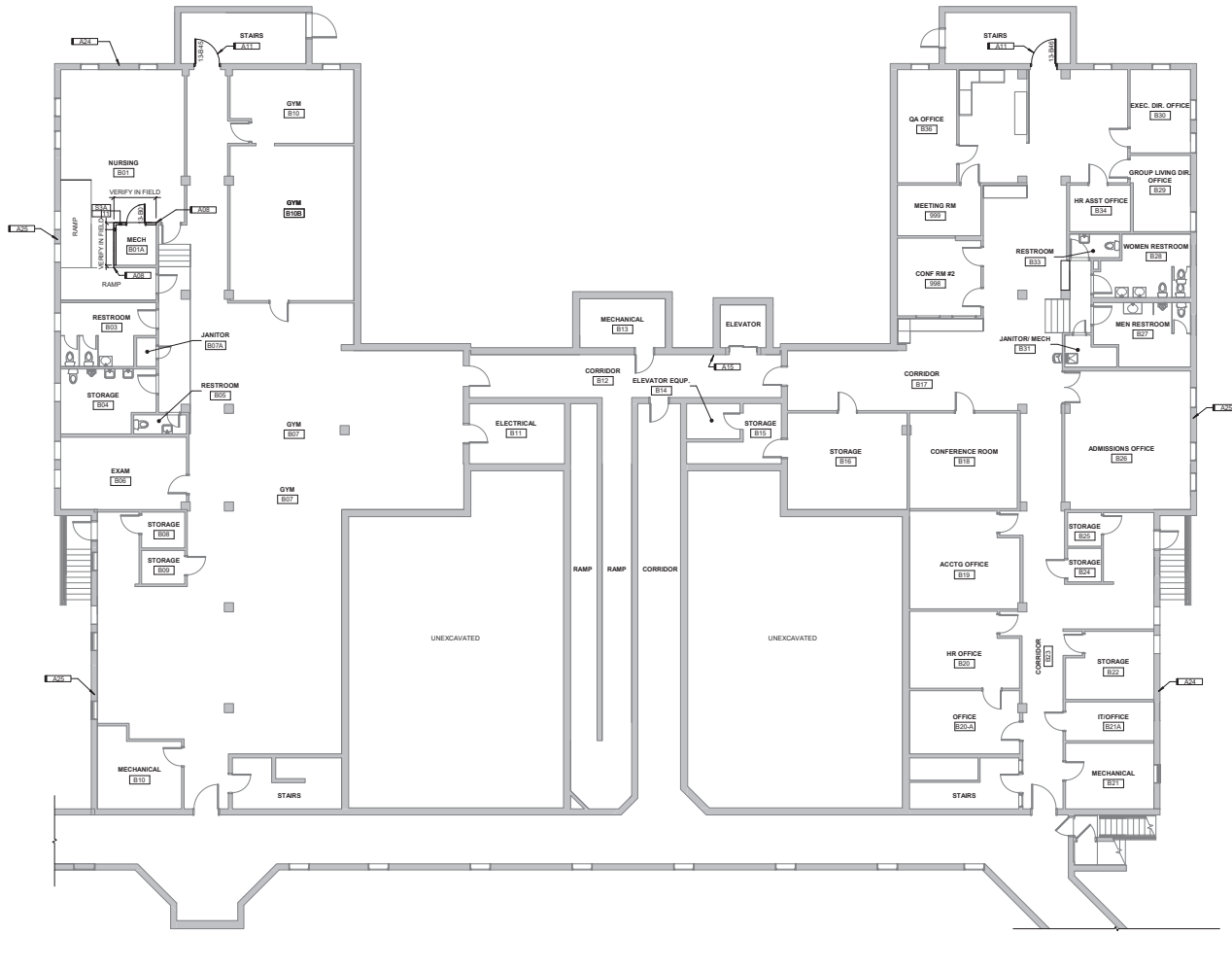
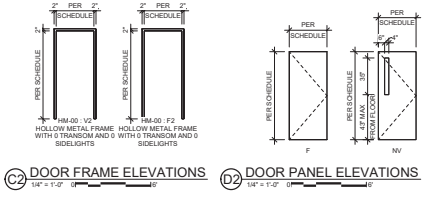
KEY	NOTE
A05	ALIGN NEW WALL WITH EXISTING
A11	REPLACE EXISTING DOOR WITH NEW FIRE RATED DOOR, AS PART OF 9279.41
A15	INSTALL FIRE SPRINKLER OUTSIDE ELEVATOR DOORS, SEE SPEC
A24	CORE DRILL THROUGH EXISTING WALL ASSEMBLY FOR NEW MECHANICAL SYSTEM. SEE MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
A25	NEW PIPE PENETRATIONS FOR NEW MECHANICAL SYSTEM. SEE MECHANICAL DRAWINGS FOR FURTHER INFORMATION.



**A1 HEAD - HM - METAL STUD**  
1/2" EACH SIDE  
3/4" WIDE ON METAL



**A3 JAMB - HM - METAL STUD**  
1/2" EACH SIDE  
1/8" MIN TO WALL AT LATCH SIDE, FOR DOORS LESS THAN 42" WIDE, FOR FRONT APPROACH ADA CLEARANCE



**B6 BASEMENT FLOOR PLAN - BUILDING C & D**  
1/8" = 1'-0"

KEYNOTES	
KEY	NOTE
A11	REPLACE EXISTING DOOR WITH NEW FIRE RATED DOOR AS PART OF 9279.41
A15	INSTALL THE SIGNAGE OUTSIDE ELEVATOR DOORS. SEE SPEC.
A16	INSTALL NEW FECKT FIRE RECALL SWITCH AND BEZEL IN HALL STATION
A21	INFL. OPENING 8'0" X 8'0" W/ FIELD VERIFY WITH MECHANICAL LOUVER. SEE MECHANICAL DRAWINGS

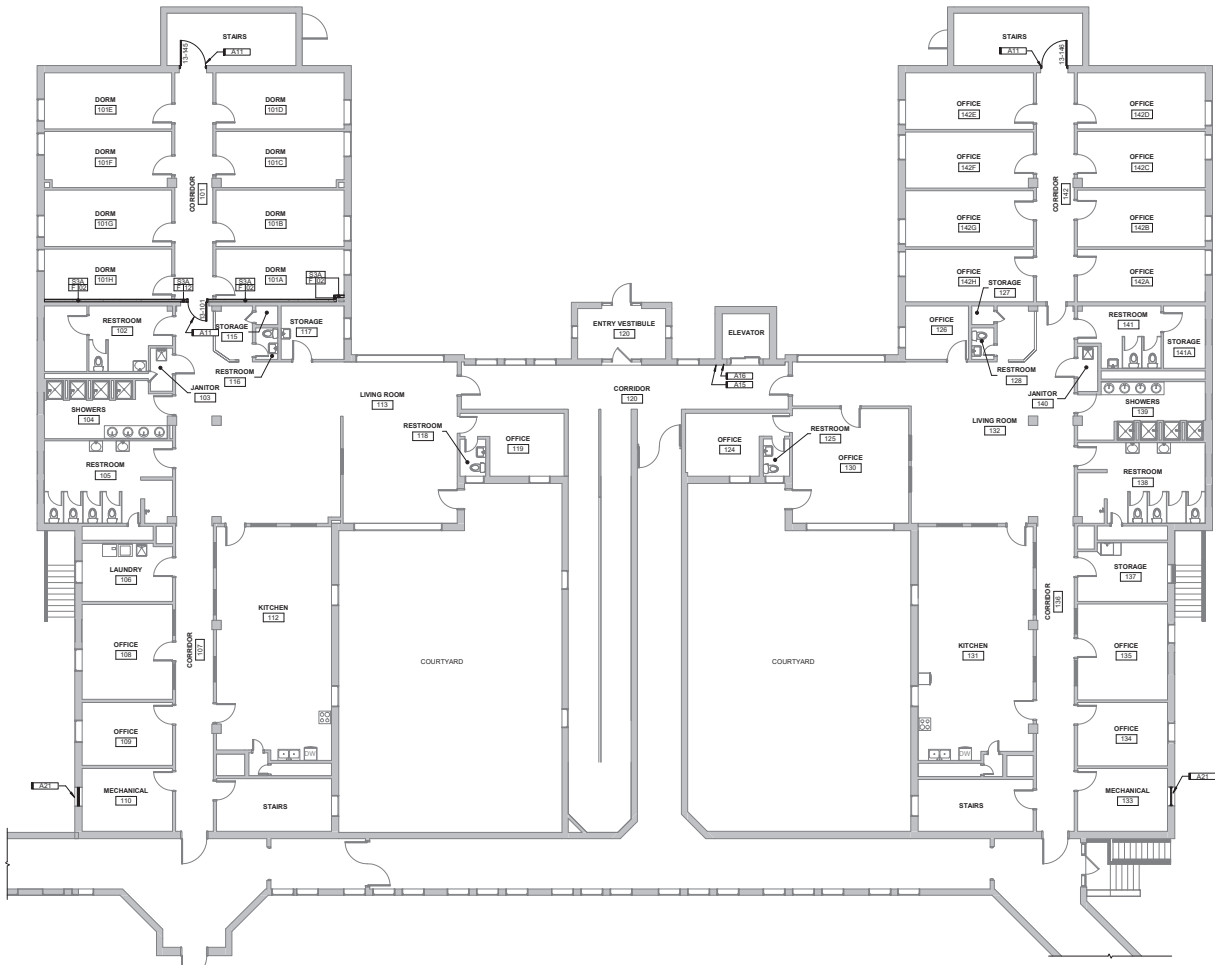
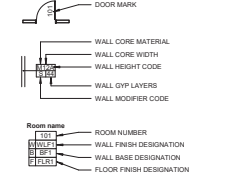
**PROJECT GENERAL INFORMATION**

- COLOR HAS BEEN USED ON THESE DRAWINGS TO ENHANCE UNDERSTANDING. PRINTING IN COLOR IS RECOMMENDED TO ENSURE CLARITY.
- ANY DAMAGE TO AREAS INSIDE OR OUTSIDE OF THE PROJECT AREA SHALL BE REPAIRED TO THE STATUS PRIOR TO CONSTRUCTION AT NO COST TO OWNER.
- CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR ALL CUTTING, SUPPORTING AND PATCHING IF NOT COVERED BY A SPECIFIC TRADE.
- EACH TRADE SHALL PROVIDE TESTED FIRESTOPPING ASSEMBLIES FOR PENETRATIONS OF THEIR WORK THROUGH FIRE RATED WALLS AND FLOORS. FIRESTOPPING ASSEMBLIES SHALL BE PROVIDED AND FLOORING SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. FIRESTOPPING ASSEMBLIES ARE TO BE OF A TYPE THAT PROVIDES THE SCHEDULED FIRE RATINGS WHEN TESTED IN ACCORDANCE WITH ASTM E 19, ASTM E 814, OR I.C. 479, AND WHOSE INSTALLATION IS BY INDIVIDUALS TRAINED AND EXPERIENCED WITH INSTALLATION OF SUCH ASSEMBLIES. PROVIDE SUBMITTALS TO LOCAL AUTHORITIES AS REQUESTED.
- IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR A DECISION BEFORE PROCEEDING.
- ABATEMENT WORK WILL BE UNDER SEPARATE CONTRACT. OBTAIN AND MAINTAIN ON SITE A COMPLETE SET OF ABATEMENT DOCUMENTS: BUILDING ADDENDUM AND CHANGES AFTER START OF CONSTRUCTION. FOR REFERENCE AND COORDINATION BY ALL TRADES. COORDINATE ALL DEMOLITION AND CONSTRUCTION WORK WITH THE ABATEMENT CONTRACTOR.
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- PROTECT ALL BUILDING SYSTEMS, NEW AND EXISTING, COVER SUPPLY, RETURN, AND EXHAUST AIR GRILLES, AND PROTECT OTHER SENSITIVE EQUIPMENT FROM ALL ACTIVITIES RELATED TO THIS CONTRACT. REMOVE PROTECTION AT END OF CONSTRUCTION.
- ALL DISSIMILAR METALS SHALL BE ISOLATED FROM EACH OTHER EVEN IF NOT SPECIFICALLY IDENTIFIED IN THE CONTRACT DOCUMENTS.
- ALL CODE-REQUIRED LABELS SUCH AS "UL" FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME, OR PERFORMANCE PLATES SHALL REMAIN READABLE AND NOT PAINTED OR COVERED BY OTHER CONSTRUCTION.
- STRUCTURAL INFORMATION ON ARCHITECTURAL DRAWINGS IS FOR REFERENCE ONLY.
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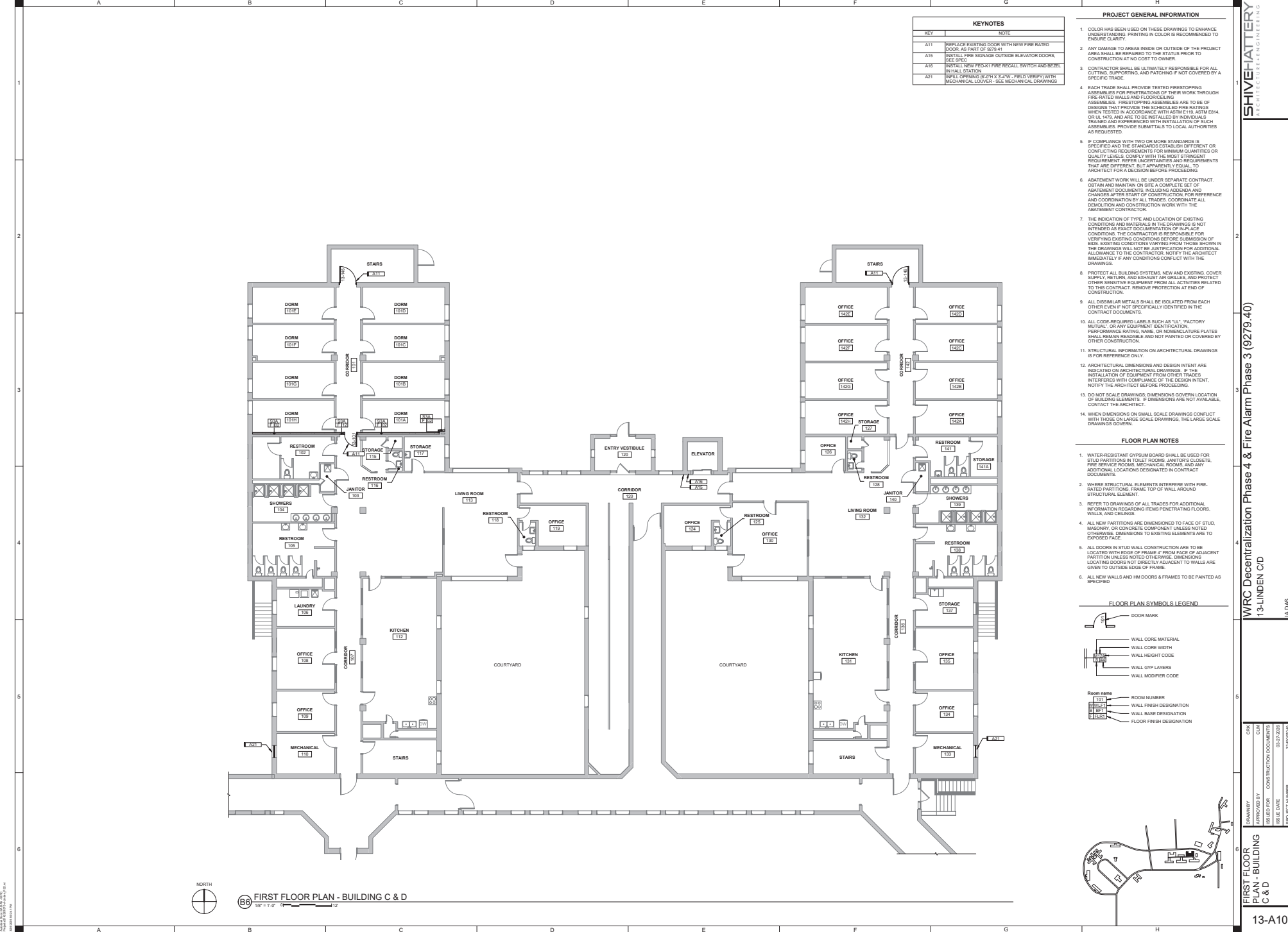
**FLOOR PLAN NOTES**

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- ALL NEW WALLS AND HAI DOORS & FRAMES TO BE PAINTED AS SPECIFIED.

**FLOOR PLAN SYMBOLS LEGEND**



**B6** FIRST FLOOR PLAN - BUILDING C & D  
 18' x 12' 6"



KEY	NOTE
A11	REPLACE EXISTING DOOR WITH NEW FIRE RATED DOOR AS PART OF 9279.41
A15	INSTALL THE SIGNAGE OUTSIDE ELEVATOR DOORS. SEE SPEC.
A17	WELL OPENING IS 2'-0" X 2'-0". FIELD VERIFY WITH MECHANICAL LOUVER. SEE MECHANICAL DRAWINGS
A22	WELL OPENING IS 2'-0" X 2'-0". FIELD VERIFY WITH NEW FACE BRICK (OWNER PROVIDED). CONTRACTOR TO INSTALL AND CRUI BACKUP PER DETAIL A41410. NEW MECHANICAL PENETRATIONS TO BE CORE DRILLED THROUGH MASONRY AND SEALED. SEE MECHANICAL FOR PENETRATION LOCATIONS.

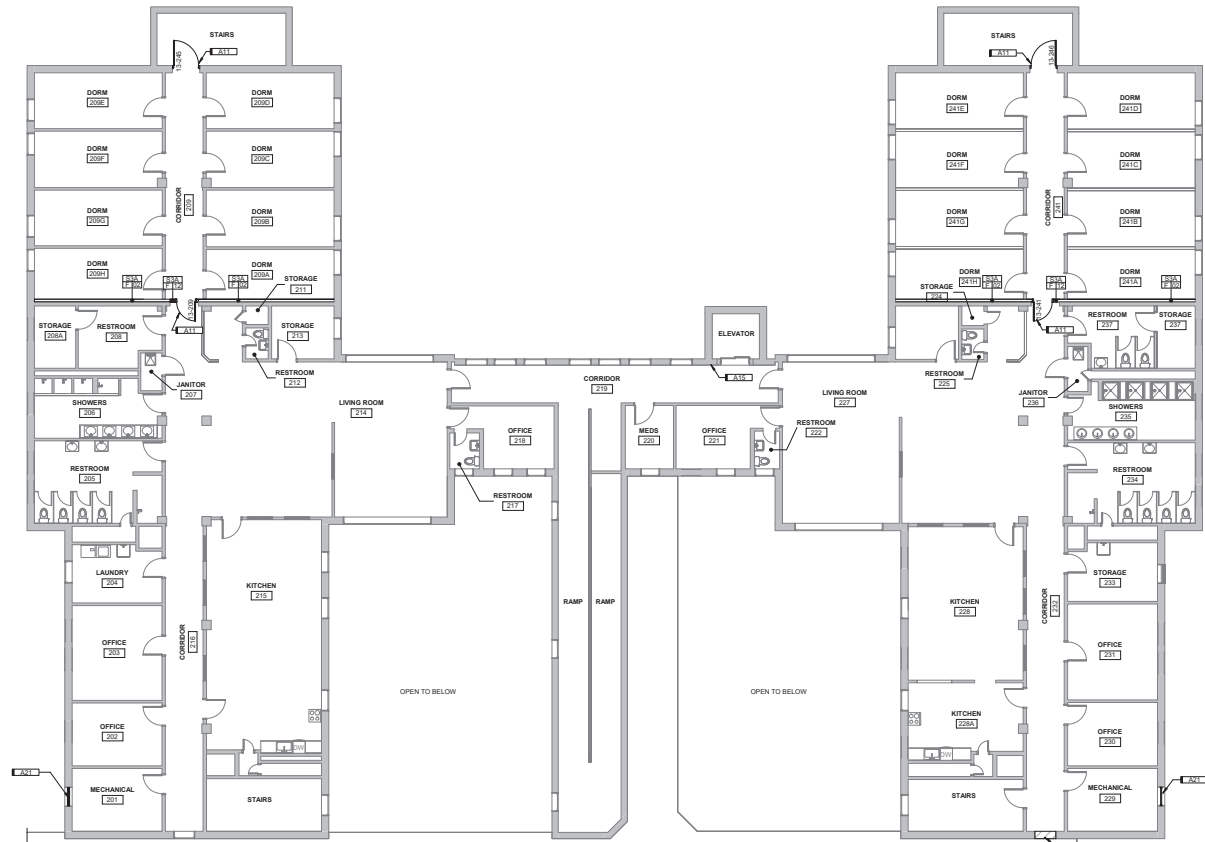
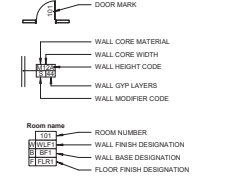
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- IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR A DECISION BEFORE PROCEEDING.
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- DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN LOCATION OF BUILDING ELEMENTS. IF DIMENSIONS ARE NOT AVAILABLE, CONTACT THE ARCHITECT.
- WHEN DIMENSIONS ON SMALL SCALE DRAWINGS CONFLICT WITH THOSE ON LARGE SCALE DRAWINGS, THE LARGE SCALE DRAWINGS GOVERN.

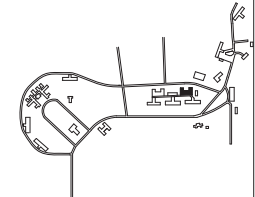
**FLOOR PLAN NOTES**

- WATER-RESISTANT GYPSUM BOARD SHALL BE USED FOR STUD PARTITIONS IN TOILET ROOMS, JANITOR'S CLOSETS, FIRE SERVICE ROOMS, MECHANICAL ROOMS, AND ANY ADDITIONAL LOCATIONS DESIGNATED IN CONTRACT DOCUMENTS.
- WHERE STRUCTURAL ELEMENTS INTERFERE WITH FIRE-RATED PARTITIONS, FRAME TOP OF WALL AROUND STRUCTURAL ELEMENT.
- REFER TO DRAWINGS OF ALL TRADES FOR ADDITIONAL INFORMATION REGARDING ITEMS PENETRATING FLOORS, WALLS, AND CEILING.
- ALL NEW PARTITIONS ARE DIMENSIONED TO FACE OF STUD, MASONRY, OR CONCRETE COMPONENTS UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING ELEMENTS ARE TO EXPOSED FACE.
- ALL DOORS IN STUD WALL CONSTRUCTION ARE TO BE LOCATED WITH EDGE OF FRAME 4" FROM FACE OF ADJACENT PARTITION UNLESS NOTED OTHERWISE. DIMENSIONS TO LOCATING DOORS NOT DIRECTLY ADJACENT TO WALLS ARE GIVEN TO OUTSIDE EDGE OF FRAME.
- ALL NEW WALLS AND HAI DOORS & FRAMES TO BE PAINTED AS SPECIFIED.

**FLOOR PLAN SYMBOLS LEGEND**











**B6 SECOND FLOOR PLAN - BUILDING C & D**  
SCALE: 1/8" = 1'-0"



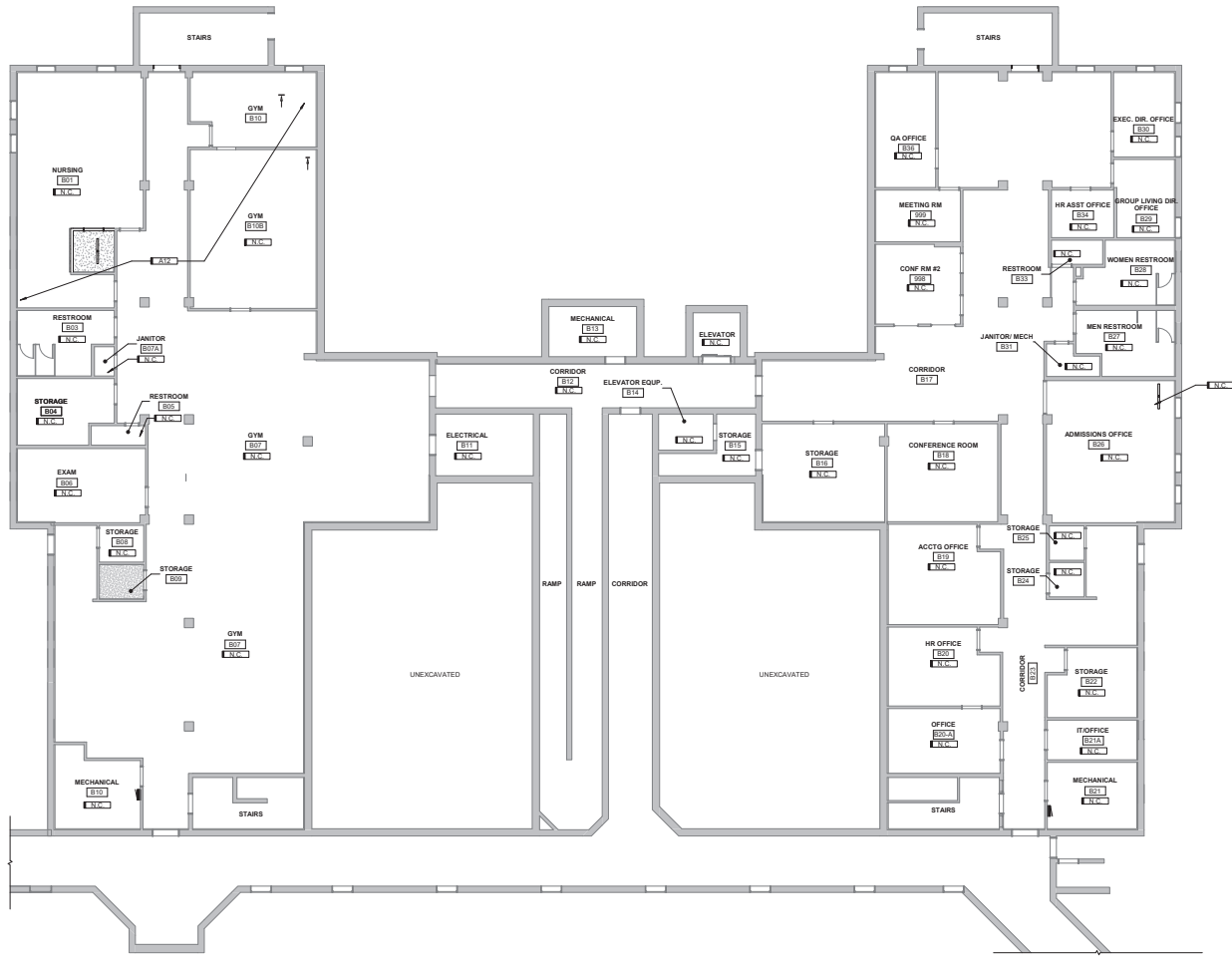
**CEILING PLAN NOTES**

1. ARCHITECTURAL CEILING PLANS SHALL BE PRINTED IN COLOR.
2. NOTIFY ARCHITECT OF INADEQUATE CLEARANCES FOR CEILING LAYOUT PRIOR TO COMMENCING WORK.
3. IN SPACES WHERE EXISTING ACP CEILINGS ARE SHOWN TO REMAIN, LOCATIONS OF LIGHT FIXTURES, DIFFUSERS, ETC. SHALL REMAIN IN PLACE. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION. REFER TO DRAWINGS AND SPECIFICATIONS OF ALL TRADES FOR SYSTEM DESIGN AND ADDITIONAL INFORMATION.
4. IN SPACES WHERE PORTIONS OF EXISTING ACP CEILINGS ARE TO REMAIN AND OTHER PORTIONS ARE TO BE DEMOLISHED, FIELD VERIFY EXISTING HEIGHTS AND INSTALL NEW TO ALIGN WITH EXISTING GRID.
5. COORDINATE WITH ALL TRADES TO CONFIRM THEIR WORK CAN BE INSTALLED TO ACHIEVE CEILING HEIGHTS AS SHOWN. TRADE PRIORITY SHALL BE AS FOLLOWS UNLESS DIRECTED OTHERWISE BY THE ARCHITECT:
  - ELECTRICAL LIGHTING FIXTURES
  - MECHANICAL GRILLES AND DIFFUSERS
  - MECHANICAL DUCTWORK
  - ELECTRICAL DUCTWORK
  - PIPING SYSTEMS
6. COORDINATE WITH ALL TRADES TO CONFIRM THE LOCATION OF ACCESS PANELS WITH ASSOCIATED INSTALLED EQUIPMENT. INFORM ARCHITECT OF PROPOSED LOCATIONS PRIOR TO INSTALLATION AND CONSTRUCTION OF NEW WORK.
7. CONTRACTOR TO REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.
8. FIRE STOP ALL PENETRATIONS THROUGH RATED FLOOR/CEILING ASSEMBLY.

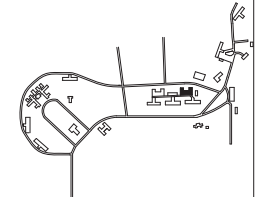
**CEILING PLAN SYMBOLS LEGEND**

 CEILING MATERIAL DESIGNATION  
 CEILING HEIGHT  
 EXISTING PLASTER ON METAL LATH SUBSTRATE CEILING  
 GYP-1, GYPSUM BOARD CEILING/SOFFIT  
 ACF-1, 2x2 ACOUSTICAL CEILING PANEL SYSTEM  
 ACF-2, 2x4 ACOUSTICAL CEILING PANEL SYSTEM  
 PROVIDE 1 HOUR RATING AT FLOOR/CEILING ASSEMBLY ABOVE NEW CEILING PER DETAIL S2111.  
 NO CEILING IN SPACE  
 LIGHT FIXTURE

KEYNOTES	
KEY	NOTE
A12	PROVIDE ALLOWANCE TO FIRE STOP ALL EXISTING AND NEW PENETRATIONS THROUGH FLOOR/CEILING ASSEMBLY TO MAINTAIN 1 HOUR FIRE-RATED ASSEMBLY.



**B6 BASEMENT RCP - BUILDING C & D**  
1/8" = 1'-0" 0' 12"



**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
**15-LINDEN CD**

OWNER	CLM
DESIGNED BY	CONSTRUCTION DOCUMENTS
ISSUED FOR	03/27/2025
ISSUE DATE	22/000048
PROJECT NUMBER	
FIELD BOOK	

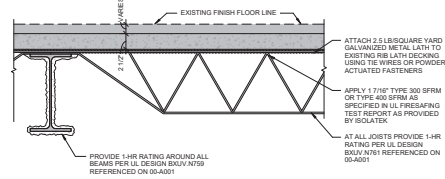
**BASEMENT RCP - BUILDING C & D**

**CEILING PLAN NOTES**

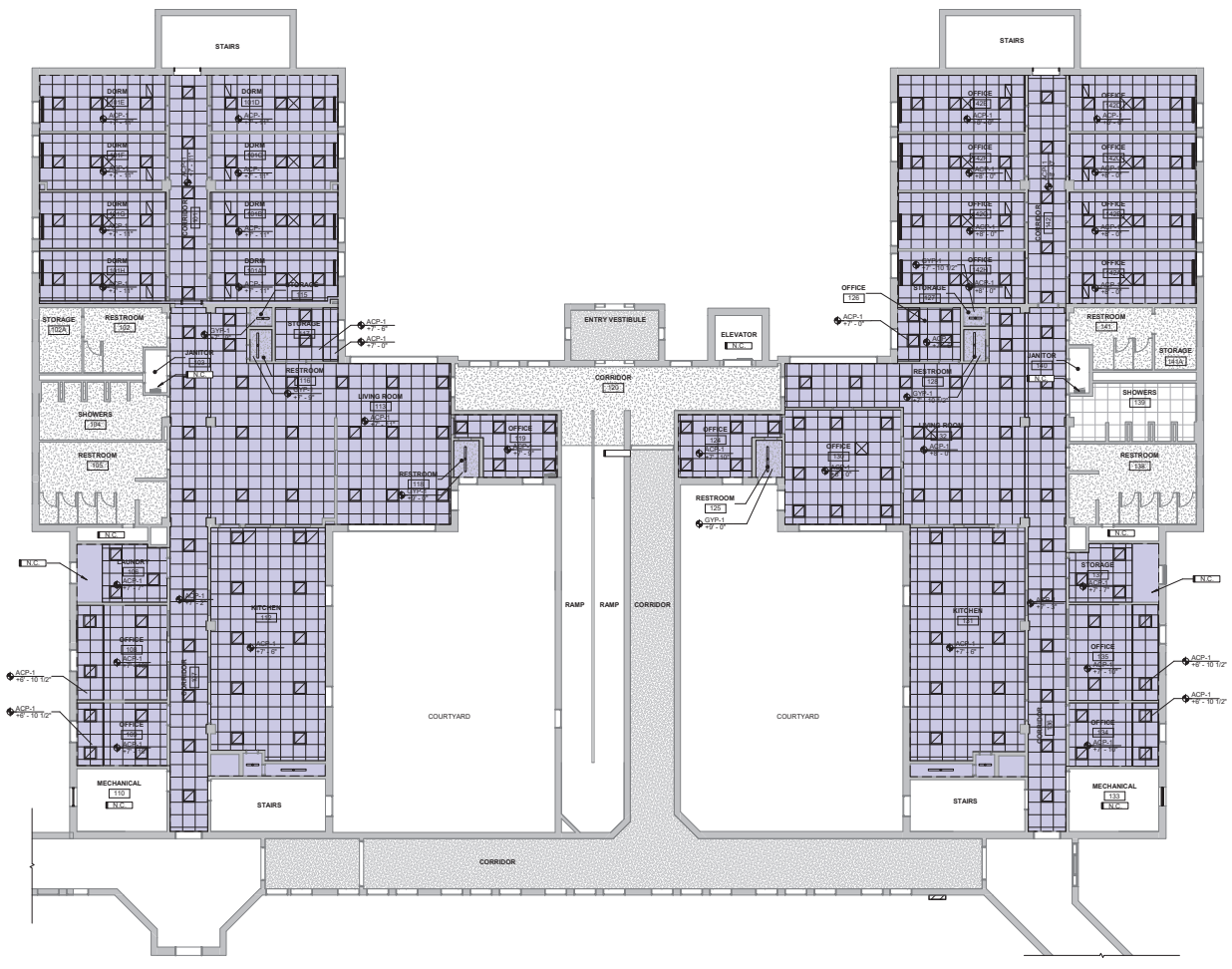
- ARCHITECTURAL CEILING PLANS SHALL BE PRINTED IN COLOR.
- NOTIFY ARCHITECT OF INADEQUATE CLEARANCES FOR CEILING LAYOUT PRIOR TO COMMENCING WORK.
- IN SPACES WHERE EXISTING ACP CEILINGS ARE SHOWN TO REMAIN, LOCATIONS OF LIGHT FIXTURES, DIFFUSERS, ETC. SHALL REMAIN IN PLACE. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION. REFER TO DRAWINGS AND SPECIFICATIONS OF ALL TRADES FOR SYSTEM DESIGN AND ADDITIONAL INFORMATION.
- IN SPACES WHERE PORTIONS OF EXISTING ACP CEILINGS ARE TO REMAIN AND OTHER PORTIONS ARE TO BE DEMOLISHED, FIELD VERIFY EXISTING HEIGHTS AND INSTALL NEW TO ALIGN WITH EXISTING GRID.
- COORDINATE WITH ALL TRADES TO CONFIRM THEIR WORK CAN BE INSTALLED TO ACHIEVE CEILING HEIGHTS AS SHOWN. TRADE PRIORITY SHALL BE AS FOLLOWS UNLESS DIRECTED OTHERWISE BY THE ARCHITECT:
  - ELECTRICAL LIGHTING FIXTURES
  - MECHANICAL GRILLES AND DIFFUSERS
  - MECHANICAL DUCTWORK
  - ELECTRICAL CONDUIT
  - PIPING SYSTEMS
- COORDINATE WITH ALL TRADES TO CONFIRM THE LOCATION OF ACCESS PANELS WITH ASSOCIATED INSTALLED EQUIPMENT. INFORM ARCHITECT OF PROPOSED LOCATIONS PRIOR TO INSTALLATION AND CONSTRUCTION OF NEW WORK.
- CONTRACTOR TO REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.
- FIRE STOP ALL PENETRATIONS THROUGH RATED FLOOR/CEILING ASSEMBLY.

**CEILING PLAN SYMBOLS LEGEND**

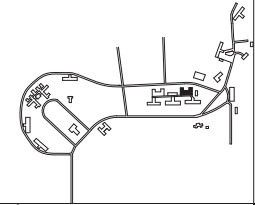
- ACP-1 12'-0" CEILING MATERIAL DESIGNATION  
CEILING HEIGHT
- ▨ EXISTING PLASTER ON METAL LATH SUBSTRATE CEILING
- ▨ GYR-1 GYPSUM BOARD CEILING/ SOFFIT
- ▨ ACP-1 302 ACOUSTICAL CEILING PANEL SYSTEM
- ▨ ACP-2 304 ACOUSTICAL CEILING PANEL SYSTEM
- ▨ PROVIDE 1 HOUR RATING AT FLOOR/ROOF ASSEMBLY ABOVE NEW CEILINGS PER DETAIL E2A111.
- NO CEILING IN SPACE
- LIGHT FIXTURE



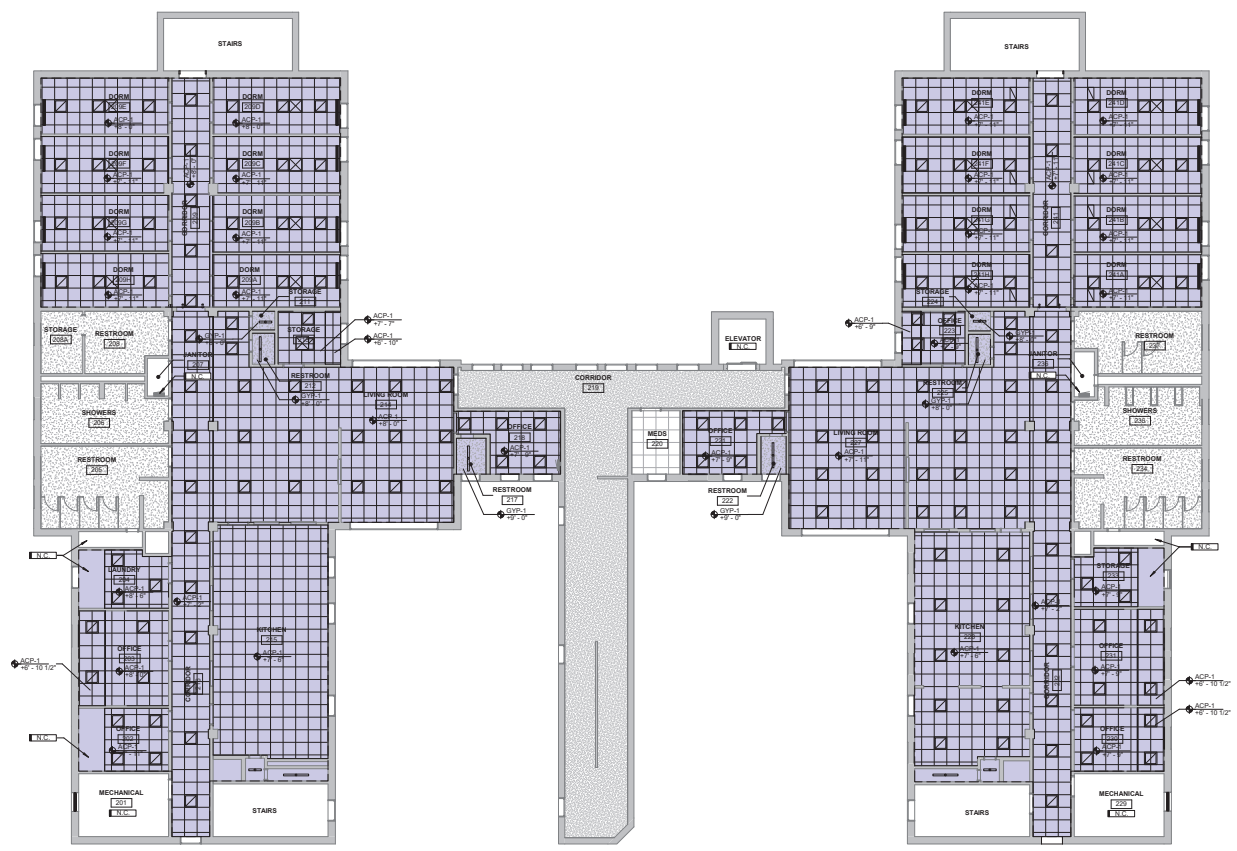
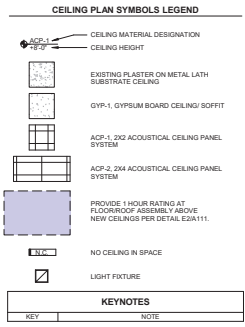
**1 HOUR APPLIED FIRE RATING TO EXISTING FLOOR CONSTRUCTION**



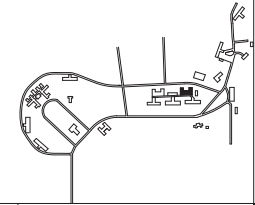
**(B6) FIRST FLOOR RCP - BUILDING C & D**  
1/2" = 1'-0"



- CEILING PLAN NOTES**
- ARCHITECTURAL CEILING PLANS SHALL BE PRINTED IN COLOR.
  - NOTIFY ARCHITECT OF INADEQUATE CLEARANCES FOR CEILING LAYOUT PRIOR TO COMMENCING WORK.
  - IN SPACES WHERE EXISTING ACP CEILINGS ARE SHOWN TO REMAIN, LOCATIONS OF LIGHT FIXTURES, DIFFUSERS, ETC. SHALL REMAIN IN PLACE. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION. REFER TO DRAWINGS AND SPECIFICATIONS OF ALL TRADES FOR SYSTEM DESIGN AND ADDITIONAL INFORMATION.
  - IN SPACES WHERE PORTIONS OF EXISTING ACP CEILINGS ARE TO REMAIN AND OTHER PORTIONS ARE TO BE DEMOLISHED, FIELD VERIFY EXISTING HEIGHTS AND INSTALL NEW TO ALIGN WITH EXISTING GRID.
  - COORDINATE WITH ALL TRADES TO CONFIRM THEIR WORK CAN BE INSTALLED TO ACHIEVE CEILING HEIGHTS AS SHOWN. TRADE PRIORITY SHALL BE AS FOLLOWS UNLESS DIRECTED OTHERWISE BY THE ARCHITECT:
    - ELECTRICAL LIGHTING FIXTURES
    - MECHANICAL GRILLES AND DIFFUSERS
    - MECHANICAL DUCTWORK
    - ELECTRICAL CONDUIT
    - PIPING SYSTEMS
  - COORDINATE WITH ALL TRADES TO CONFIRM THE LOCATION OF ACCESS PANELS WITH ASSOCIATED INSTALLED EQUIPMENT. INFORM ARCHITECT OF PROPOSED LOCATIONS PRIOR TO INSTALLATION AND CONSTRUCTION OF NEW WORK.
  - CONTRACTOR TO REPLACE EXISTING CEILING TILES DAMAGED DURING CONSTRUCTION.
  - FIRE STOP ALL PENETRATIONS THROUGH RATED FLOOR/CEILING ASSEMBLY.



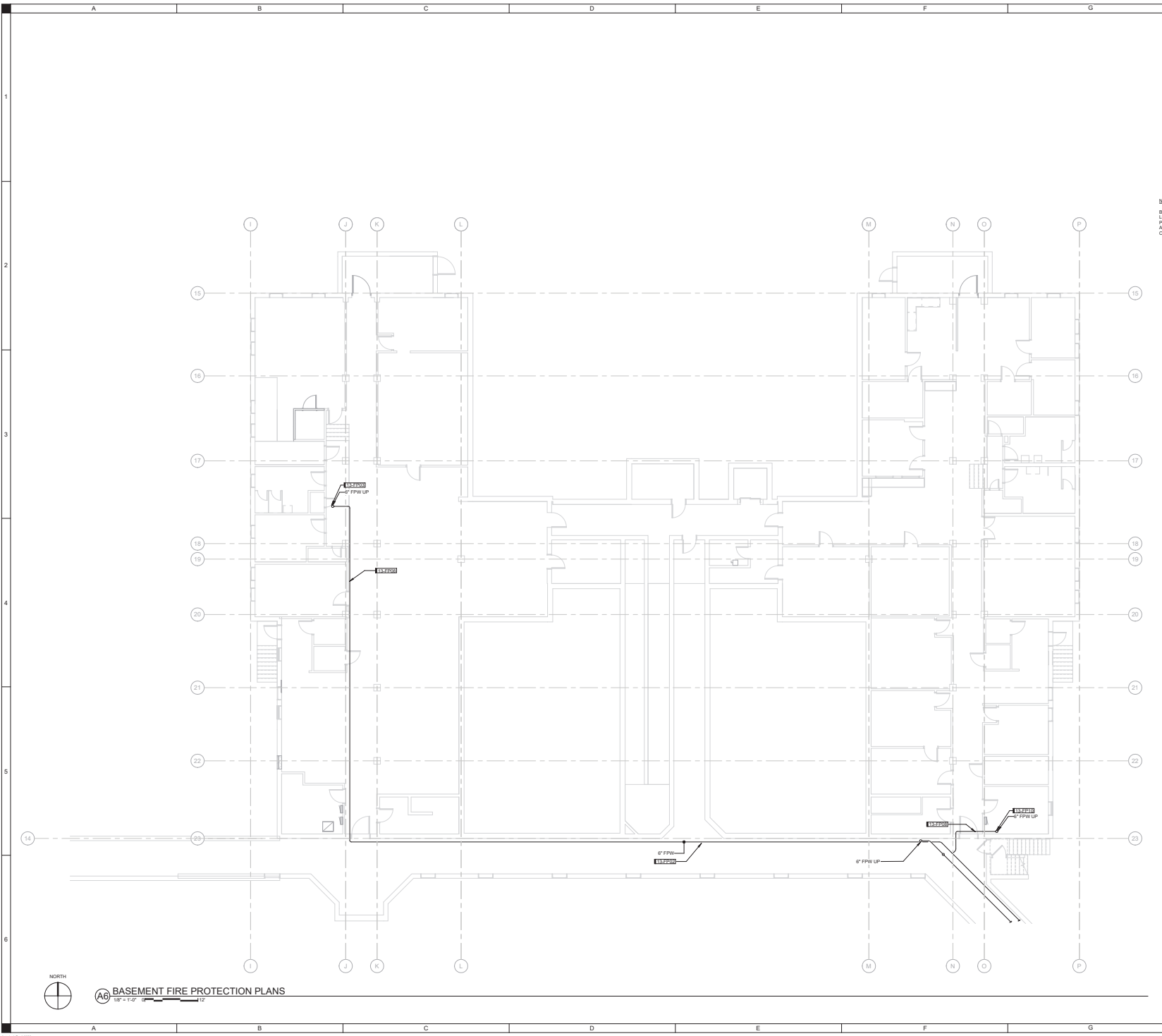
**66 SECOND FLOOR RCP - BUILDING C & D**  
1/8" = 1'-0"



**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
13-LINDEN CD

DRAWN BY	CHK
APPROVED BY	CLM
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03-27-2025
PROJECT NUMBER	2240004R
FIELD BOOK	

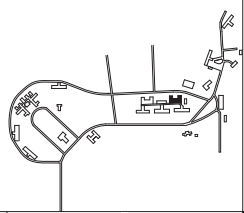
**SECOND FLOOR RCP - BUILDING C & D**  
13-A112



KEYNOTES	
KEY	NOTE
13-FP02	ROUTE NEW 6" PP PIPING IN EXISTING STEAM TUNNEL. PIPING IS SHOWN IN SCHEMATIC FORM AND DOES NOT INCLUDE ALL REQUIRED FITTINGS AND OFFSETS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING INTENDED ROUTING.
13-FP03	ROUTE FIRE PROTECTION MAIN TO JANITORS CLOSET. ROUTE RISER TO SECOND FLOOR THROUGH JANITORS CLOSET ON FLOORS ABOVE. RISER LOCATION SHOWN IS ANTICIPATED RISER LOCATION. FIELD VERIFY PIPE RISER LOCATION ON EACH FLOOR PRIOR TO BEGINNING WORK.
13-FP08	ROUTE FIRE PROTECTION PIPING TIGHT TO CEILING. DESIGN INTENT IS FOR ALL PIPING TO BE WALL MOUNTED. FIELD VERIFY EXACT PIPE ROUTING PRIOR TO INSTALLATION. COORDINATE ANY REQUIRED CONDUIT RELOCATION WITH FINAL ROUTING. OFFSET PIPING OVER DOORWAYS AND WALKWAYS AS REQUIRED TO MAINTAIN CLEAR OPENINGS.
13-FP10	ROUTE FIRE PROTECTION RISING UP IN MECHANICAL ROOM. REFER TO FIRST FLOOR PLAN 13-FP10 FOR CONTINUATION.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.

NORTH  
**A6 BASEMENT FIRE PROTECTION PLANS**  
 1/8" = 1'-0" 1/4" = 4'-0"



**SHIVE HATTERY**  
 ARCHITECTURAL ENGINEERING  
 1425 WESTDALE PARKWAY, SUITE 100  
 WEST DES MOINES, IA 50319  
 515.283.5101 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 13-LINDEN CD  
 Iowa Department of Administrative Services  
 1251 334th St., Woodward, IA 50278

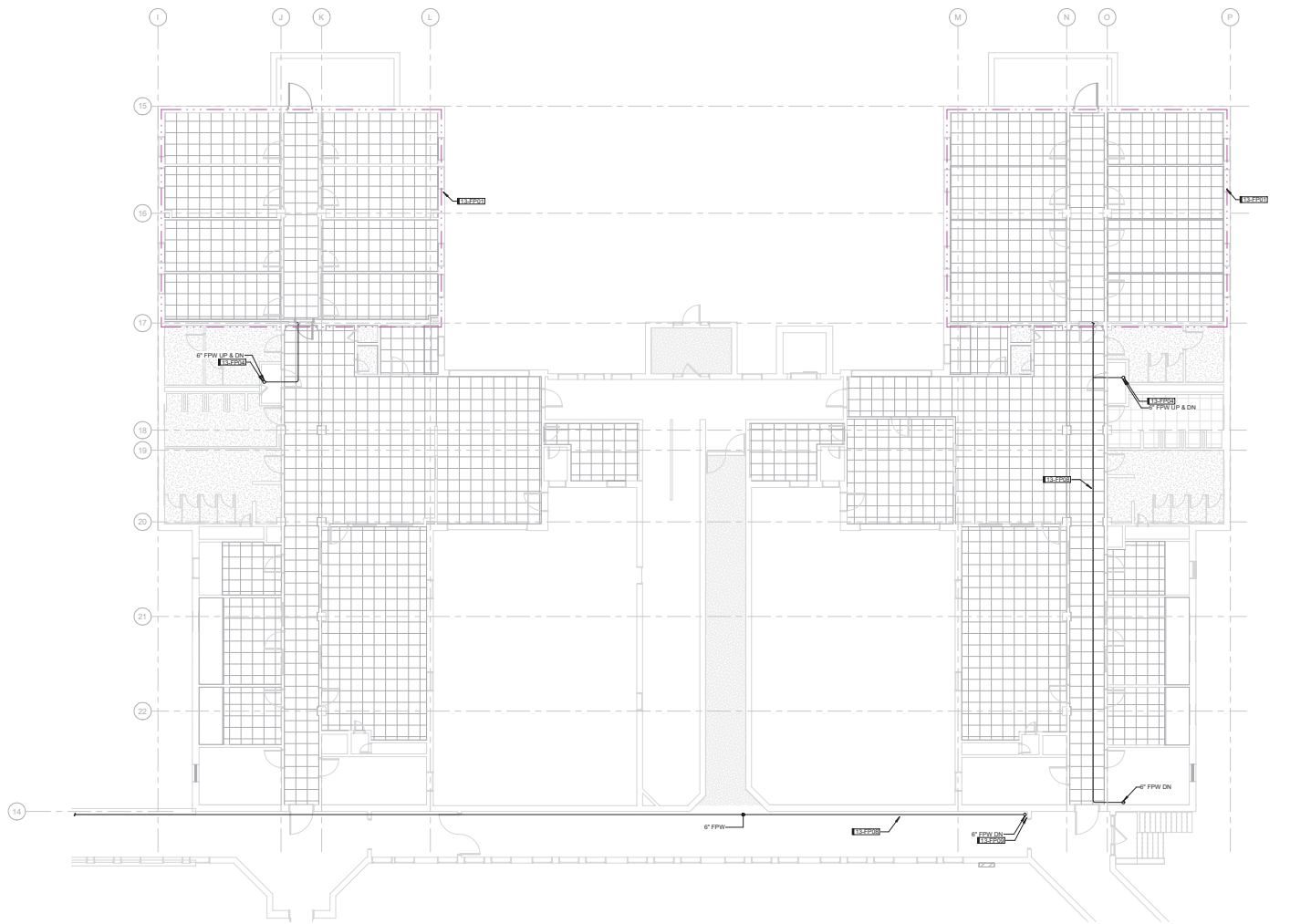
DATE	DESCRIPTION
03/27/2025	CONSTRUCTION DOCUMENTS
22/000/040	PROJECT NUMBER
	FIELD BOOK

**BASEMENT FIRE PROTECTION PLAN**

**13-FP100**



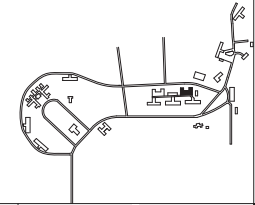
**B2 FOOD SERVICE FIRST FLOOR CORRIDOR FIRE PROTECTION PIPING PLAN**  
1/8" = 1'-0"



**B0 FIRST FLOOR FIRE PROTECTION PLAN**  
1/8" = 1'-0"

KEYNOTES	
KEY	NOTE
13FP01	INSTALL SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13. AREA SHALL BE CONSIDERED ORDINARY HAZARD GROUP 3 WITH MINIMUM DENSITY OF 0.25 GPM/SF OVER THE MOST HYDRAULICALLY REMOTE 1500 SF WITH 250 COMBINED INSIDE AND OUTSIDE ROSE STREAM ALLOWANCE.
13FP04	LOCATION OF RISER SHOWN IS THE ANTICIPATED RISER LOCATION. CONTRACTOR SHALL CORE DRILL THROUGH FLOOR AS REQUIRED AT FINAL RISER LOCATION. CONTRACTOR SHALL FIELD VERIFY ROUTING AND COORDINATE FINAL ROUTING WITH SEWAGEMENT CONTRACTOR.
13FP08	ROUTE FIRE PROTECTION PIPING TIGHT TO CEILING. RISER INTENT IS FOR ALL PIPING TO BE WALL MOUNTED. FIELD VERIFY EXACT PIPE ROUTING PRIOR TO INSTALLATION. COORDINATE ANY REQUIRED CONDUIT RELOCATION WITH FINAL ROUTING. OFFSET PIPING TO MAINTAIN CLEAR OPENINGS AS REQUIRED TO MAINTAIN CLEAR OPENINGS.
13FP09	FIRE PROTECTION ROUTES DOWN TO MAIN IN BASEMENT TUNNEL. REFER TO SHEET 13FP100 FOR CONTINUATION.

**NOTE:**  
BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.



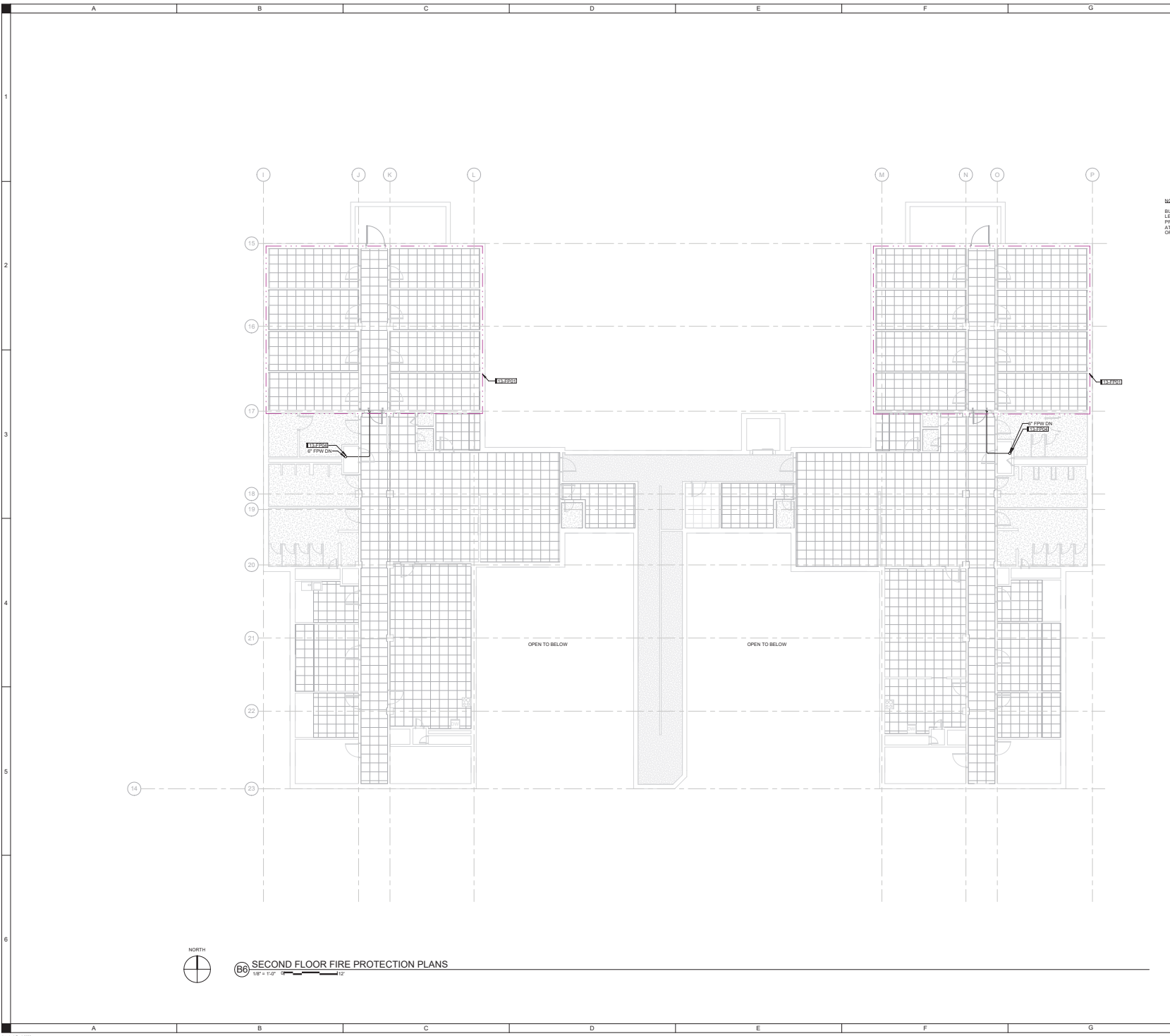
**SHIVEHATTERY**  
ARCHITECTURAL ENGINEERING  
1425 WESTWAY PARK, SUITE 100  
WEST DES MOINES, IA 50319  
(515) 281-1111 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
13-LINDEN CD

Iowa Department of Administrative Services  
1201 334th St., Woodward, IA 50278

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APPROVED BY	JUN
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03/27/2025
PROJECT NUMBER	224007400
FIELD BOOK	

**FIRST FLOOR  
FIRE  
PROTECTION  
PLAN**  
13-FP101

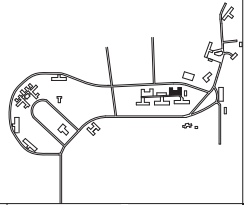


KEYNOTES	
KEY	NOTE
13-FP01	INSTALL SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13. AREA SHALL BE CONSIDERED ORDINARY HAZARD GROUP 3 WITH MINIMUM DENSITY OF 0.20 GPM/SF OVER THE MOST HYDRAULICALLY REMOTE 1500 SF WITH 252 COMBINED INSIDE AND OUTSIDE ROSE STREAM ALLOWANCE.
13-FP04	LOCATION OF RISER SHOWN IS THE ANTICIPATED RISER LOCATION. CONTRACTOR SHALL CORE DRILL THROUGH FLOOR AS REQUIRED AT FINAL RISER LOCATION. CONTRACTOR SHALL FIELD VERIFY ROUTING AND COORDINATE FINAL ROUTING WITH SEWAGE CONTRACTOR.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.



**B6** SECOND FLOOR FIRE PROTECTION PLANS  
 1/8" = 1'-0"



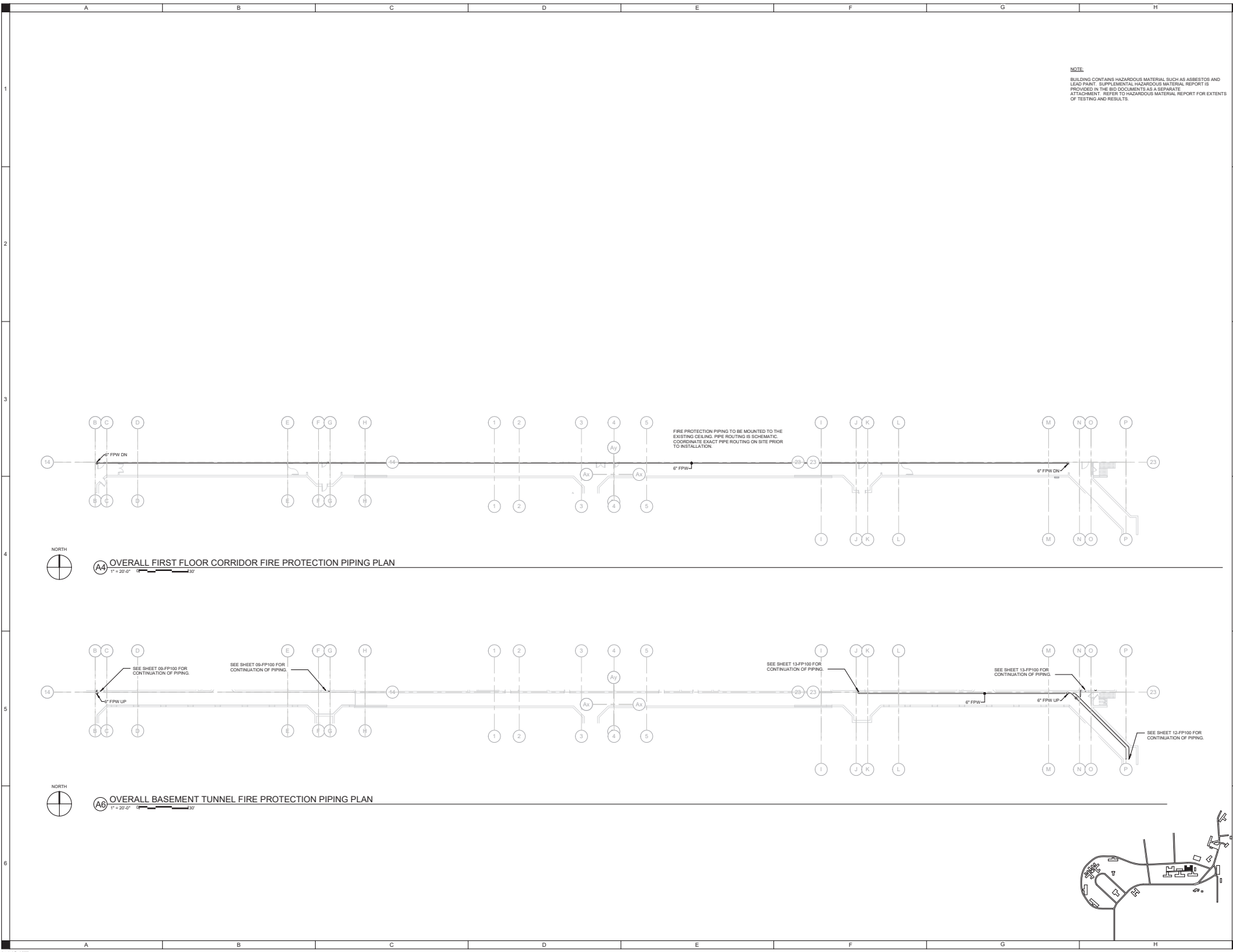
**SHIVE-HATTERY**  
 ARCHITECTS & ENGINEERS  
 1425 WESTMAN ROAD, SUITE 100  
 WEST DES MOINES, IA 50399  
 515.283.5101 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 13-LINDEN CD  
 Iowa Department of Administrative Services  
 1251 334th St., Woodward, IA 50278

DATE	JUN
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ISSUE DATE	03-27-2025
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FIELD BOOK	

SECOND FLOOR  
 FIRE  
 PROTECTION  
 PLAN

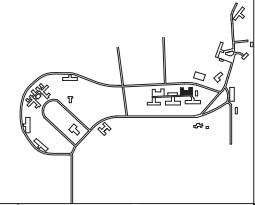
13-FP102



**A4 OVERALL FIRST FLOOR CORRIDOR FIRE PROTECTION PIPING PLAN**  
1" = 20'-0"



**A6 OVERALL BASEMENT TUNNEL FIRE PROTECTION PIPING PLAN**  
1" = 20'-0"



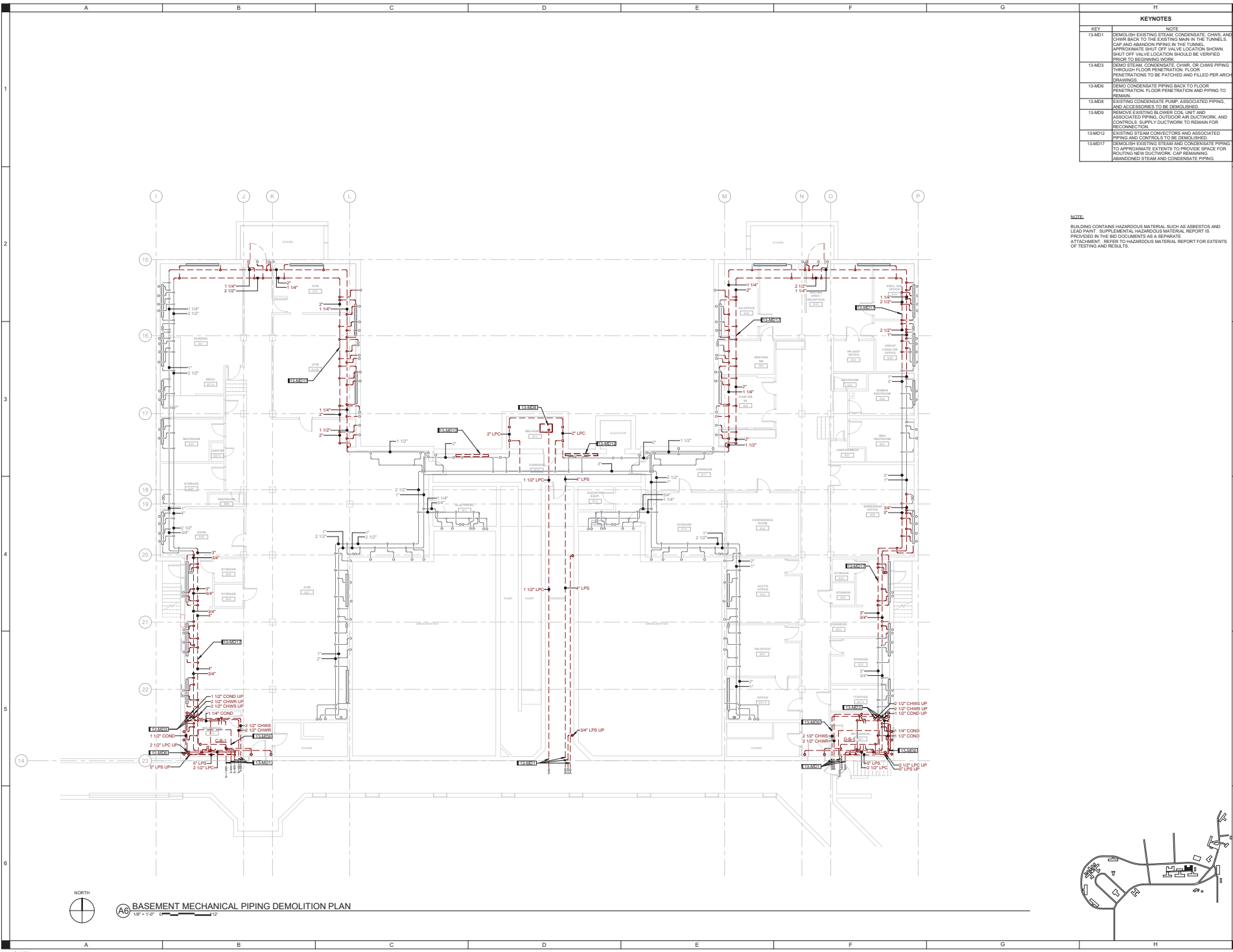
**SHIVE-HATTERY**  
ARCHITECTURAL ENGINEERING

1425 WESTWAY DRIVE, SUITE 100  
WEST DEPTFORD, MA 02091  
TEL: 508.326.1100 | WWW.SHIVE-HATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
13-LINDEN CID  
Town Department of Administrative Services  
1251 334th St., Woodward, MA 02078

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PROJECT NUMBER	221001040		
FIELD BOOK			

**OVERALL FIRE PROTECTION PLAN**  
**13-FP300**

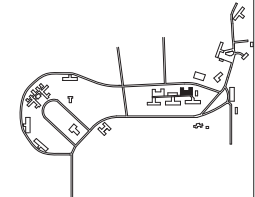


KEYNOTES	
KEY	NOTE
13MD1	DEMOLISH EXISTING STEAM CONDENSATE, CHWR, AND CHWR BACK TO THE EXISTING MAN IN THE TUNNEL. CAP AND ABANDON PIPING IN THE TUNNEL. APPROXIMATE SHUT OFF VALVE LOCATION SHOWN. SHUT OFF VALVE LOCATION SHOULD BE VERIFIED PRIOR TO BEGINNING WORK.
13MD3	DEMO STEAM CONDENSATE, CHWR, OR CHWS PIPING THROUGH FLOOR PENETRATION. FLOOR PENETRATIONS TO BE PATCHED AND FILLED PER ARCH SPECIFICATIONS.
13MD6	DEMO CONDENSATE PIPING BACK TO FLOOR PENETRATION. FLOOR PENETRATION AND PIPING TO REMAIN.
13MD8	EXISTING CONDENSATE PUMP, ASSOCIATED PIPING, AND ACCESSORIES TO BE DEMOLISHED.
13MD9	REMOVE EXISTING BOILER COIL UNIT AND ASSOCIATED PIPING, OUTDOOR AIR DUCTWORK AND CONTROLS. SUPPLY DUCTWORK TO REMAIN FOR RECONNECTION.
13MD12	EXISTING STEAM CONVECTORS AND ASSOCIATED PIPING AND CONTROLS TO BE DEMOLISHED.
13MD17	DEMOLISH EXISTING STEAM AND CONDENSATE PIPING TO APPROXIMATE EXTENTS TO PROVIDE SPACE FOR ROUTING NEW DUCTWORK. CAP REMAINING. ABANDONED STEAM AND CONDENSATE PIPING.

NOTE:  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.



**A6** BASEMENT MECHANICAL PIPING DEMOLITION PLAN  
 1/8" = 1'-0"



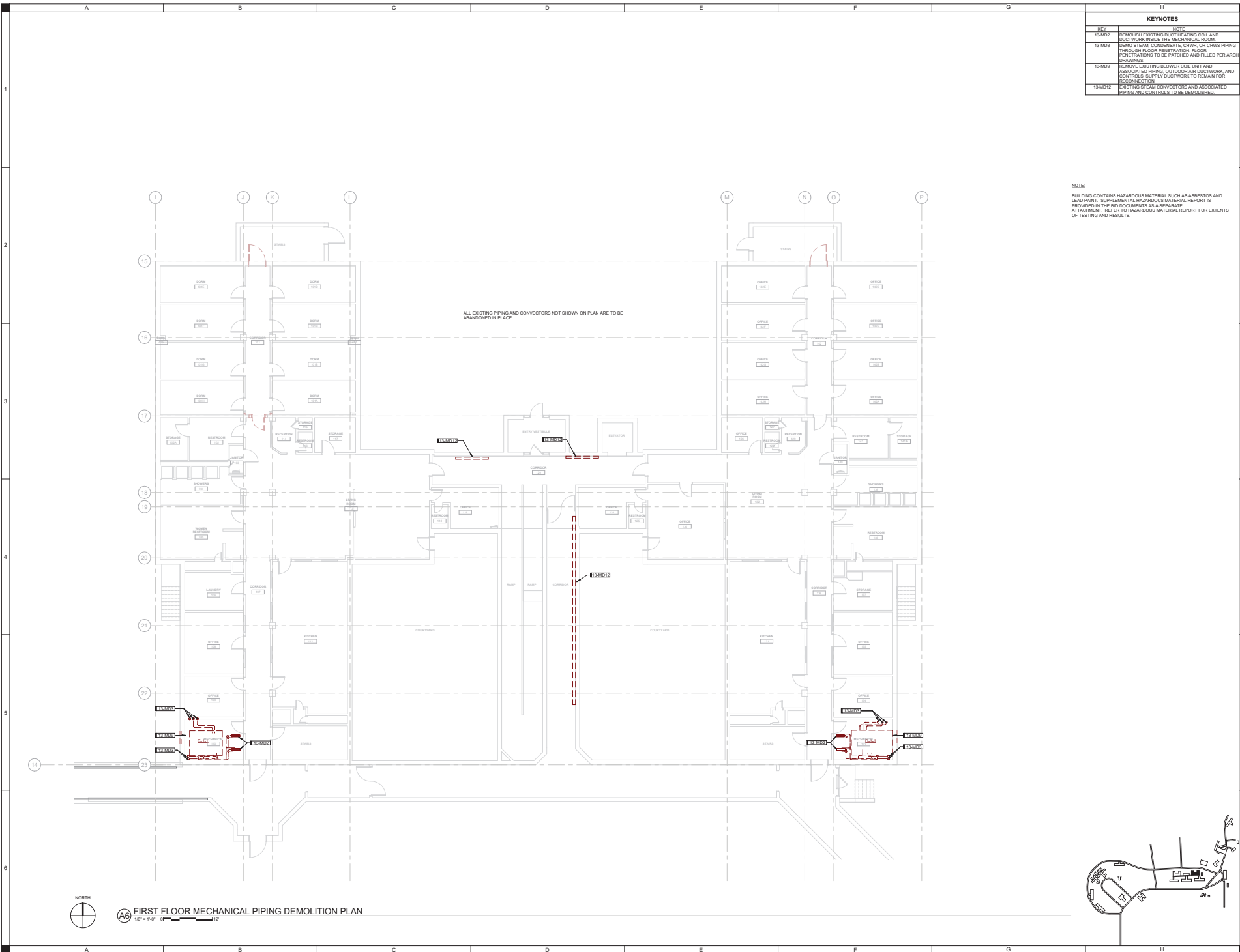
**SHIVEHATTERY**  
 ARCHITECTURAL ENGINEERING  
 1425 WESTWAY PARKWAY, SUITE 100  
 WEST DES MOINES, IA 52709  
 515.283.5100 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 15 LINDEN CD  
 Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

DATE	DESCRIPTION
03/27/2025	CONSTRUCTION DOCUMENTS
03/27/2025	ISSUE DATE
224000400	PROJECT NUMBER
	FIELD BOOK

DRAWN BY: JLM  
 APPROVED BY: JLM  
 ISSUED FOR: CONSTRUCTION DOCUMENTS  
 ISSUE DATE: 03/27/2025  
 PROJECT NUMBER: 224000400  
 FIELD BOOK:

**BASEMENT MECHANICAL PIPING DEMOLITION PLAN**  
 13-MD100

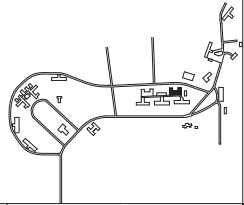


KEYNOTES	
KEY	NOTE
13MD2	DEMOLISH EXISTING DUCT HEATING COIL AND DUCTWORK INSIDE THE MECHANICAL ROOM
13MD3	DEMOLISH STEAM CONDENSATE CHWR. OR CHWS PIPING THROUGH FLOOR PENETRATION. FLOOR PENETRATIONS TO BE PATCHED AND FILLED PER ARCH DRAWINGS.
13MD9	REMOVE EXISTING BLOWER COIL UNIT AND ASSOCIATED PIPING. OUTDOOR AIR DUCTWORK AND CONTROLS. SUPPLY DUCTWORK TO REMAIN FOR RECONNECTION.
13MD12	EXISTING STEAM CONNECTORS AND ASSOCIATED PIPING AND CONTROLS TO BE DEMOLISHED.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.



**A6** FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN  
 1/8" = 1'-0"



**SHIVE-HATTERY**  
 ARCHITECTS & ENGINEERS  
 1425 WESTWAY DRIVE, SUITE 100  
 WEST DES MOINES, IA 50319  
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**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 15-LINDEN CD

DATE	DESCRIPTION
APPROVED BY	CONSTRUCTION DOCUMENTS
ISSUED FOR	03-27-2025
ISSUE DATE	22000040
PROJECT NUMBER	
FIELD BOOK	

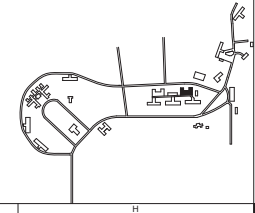
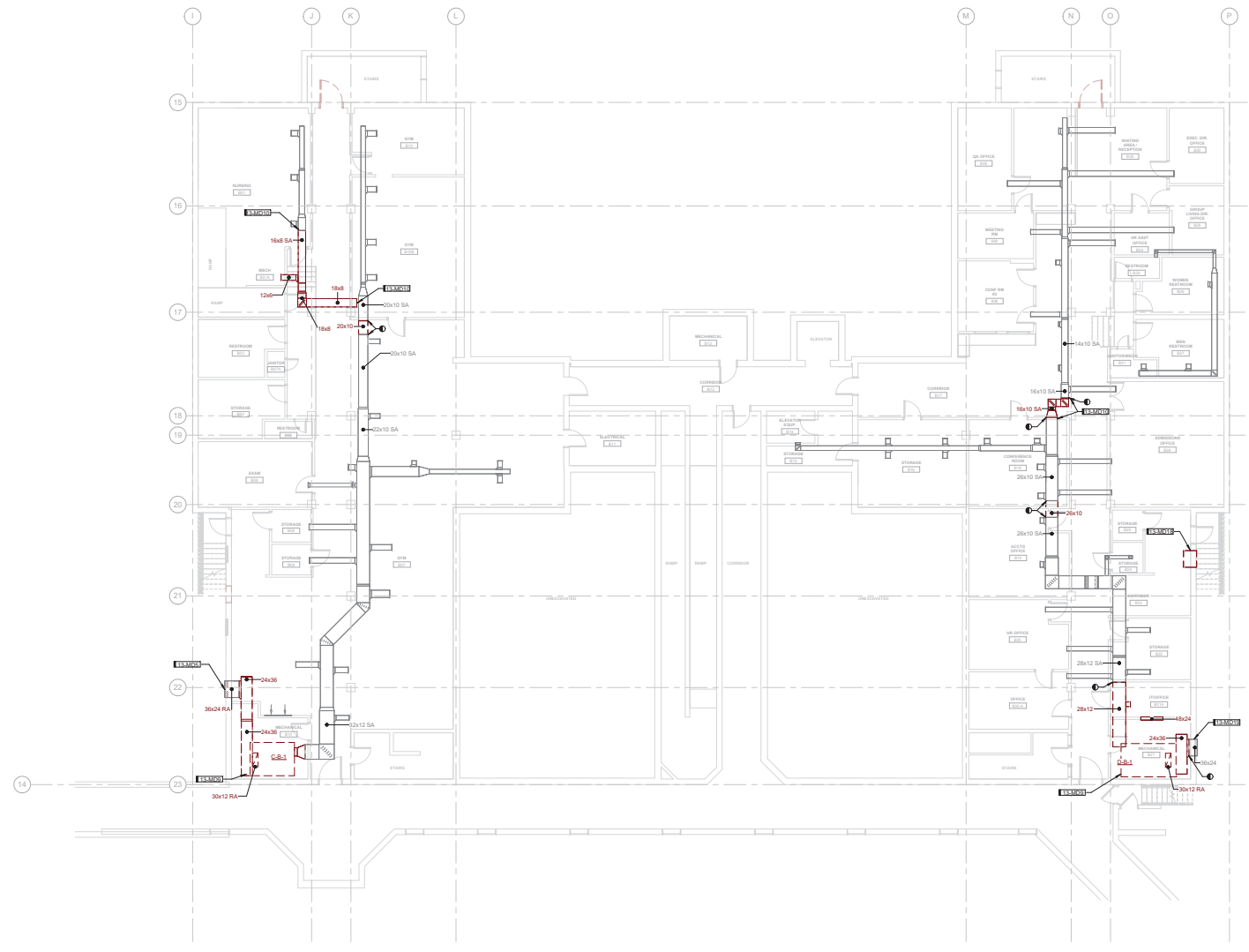
Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

**FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN**  
 13-MD101



KEYNOTES	
KEY	NOTE
13-MD5	REMOVE EXISTING DUCTWORK TO EXTENT SHOWN. EXISTING COVER AND PLENUM TO REMAIN. PREPARE PLENUM FOR NEW CONNECTION.
13-MD9	REMOVE EXISTING BLOWER COIL UNIT AND ASSOCIATED PIPING. OUTDOOR AIR DUCTWORK AND CONTROLS. SUPPLY DUCTWORK TO REMAIN FOR RECONNECTION.
13-MD10	PREPARE EXISTING SUPPLY DUCTWORK FOR CONNECTION TO NEW FURNACE RETURNS.
13-MD18	REMOVE EXISTING GRILLES AND DUST BACK TO WALL. PREPARE WALL FOR INSTALLATION OF NEW LOUVER AND PLENUM IN EXISTING OPENING.
13-MD19	REMOVE EXISTING DUCTWORK TO EXTENT SHOWN. EXISTING COVER AND PLENUM TO REMAIN. CAP PLENUM WITH INSULATED DUCT CAP.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.



**A6 BASEMENT MECHANICAL DUCTWORK DEMOLITION PLAN**  
 1/8" = 1'-0"

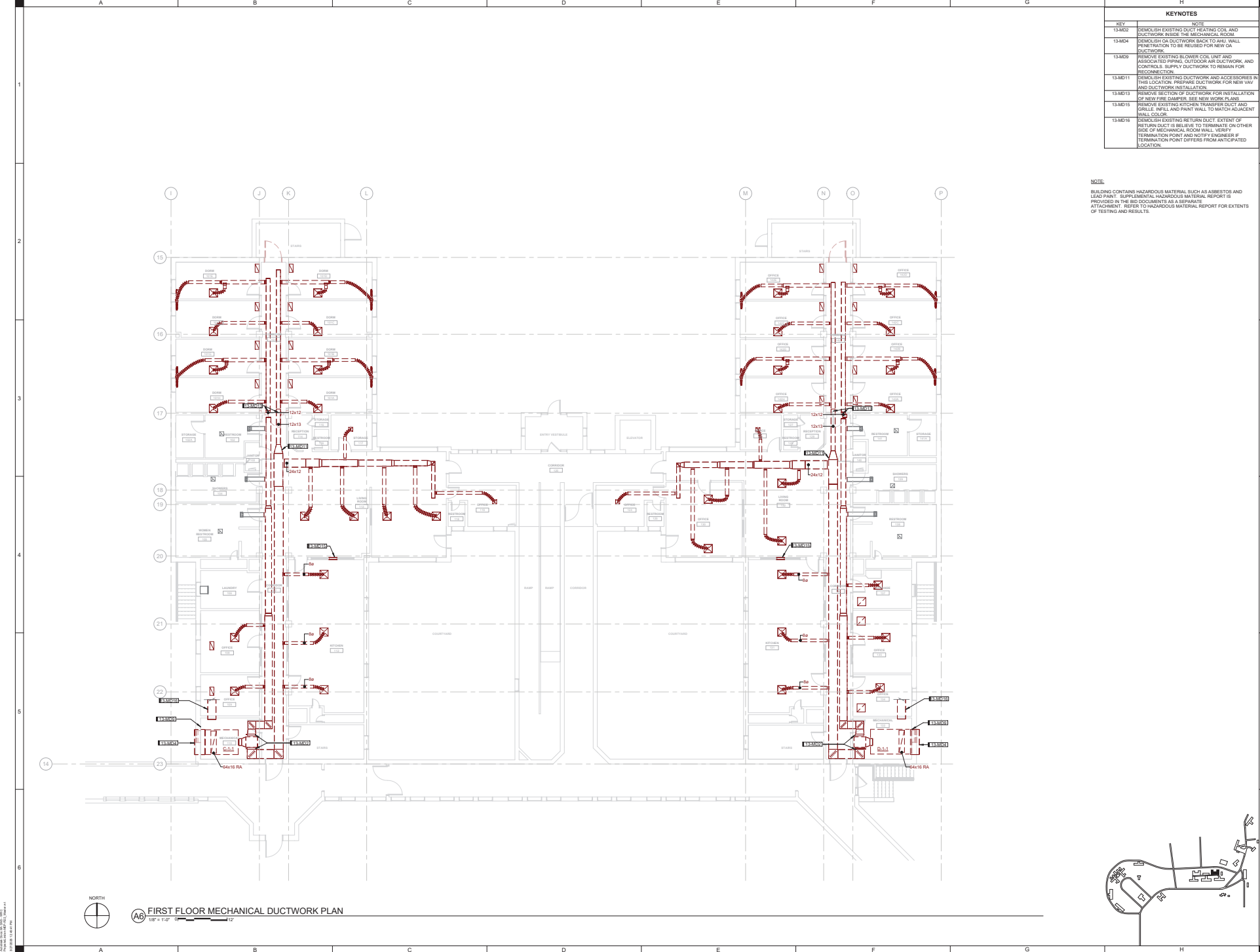
**SHIVE HATTERY**  
 ARCHITECTURAL ENGINEERING  
 1425 WESTWAY DRIVE, SUITE 100  
 WEST DES MOINES, IA 50319  
 515.283.5100 | SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 15-LINDEN CD

Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

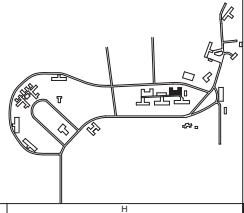
DATE	DESCRIPTION
APPROVED BY	CONSTRUCTION DOCUMENTS
ISSUED FOR	03-27-2025
ISSUE DATE	22-0000-000
PROJECT NUMBER	
FIELD BOOK	

**BASEMENT MECHANICAL DUCTWORK DEMOLITION PLAN**  
 13-MD200



KEYNOTES	
KEY	NOTE
13-MD2	DEMOLISH EXISTING DUCT HEATING COIL AND DUCTWORK INSIDE THE MECHANICAL ROOM.
13-MD4	DEMOLISH OA DUCTWORK BACK TO AHJ. WALL PENETRATION TO BE REUSED FOR NEW OA DUCTWORK.
13-MD9	REMOVE EXISTING BLOWER COIL UNIT AND ASSOCIATED PIPING, OUTDOOR AIR DUCTWORK, AND CONTROL AIR SUPPLY DUCTWORK TO REMAIN FOR RECONNECTION.
13-MD11	DEMOLISH EXISTING DUCTWORK AND ACCESSORIES IN THIS LOCATION. PREPARE DUCTWORK FOR NEW VAV AND DUCTWORK INSTALLATION.
13-MD13	REMOVE SECTION OF DUCTWORK FOR INSTALLATION OF NEW FIRE DAMPER. SEE NEW WORK PLAN.
13-MD15	REMOVE EXISTING KITCHEN TRANSFER DUCT AND GRILLE. WALL AND PAINT SHALL MATCH ADJACENT WALL COLOR.
13-MD16	DEMOLISH EXISTING RETURN DUCT. EXTENT OF RETURN DUCT IS BELIEVED TO TERMINATE ON OTHER SIDE OF MECHANICAL ROOM. WALL VERIFY TERMINATION POINT AND NOTIFY ENGINEER IF TERMINATION POINT DIFFERS FROM ANTICIPATED LOCATION.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.



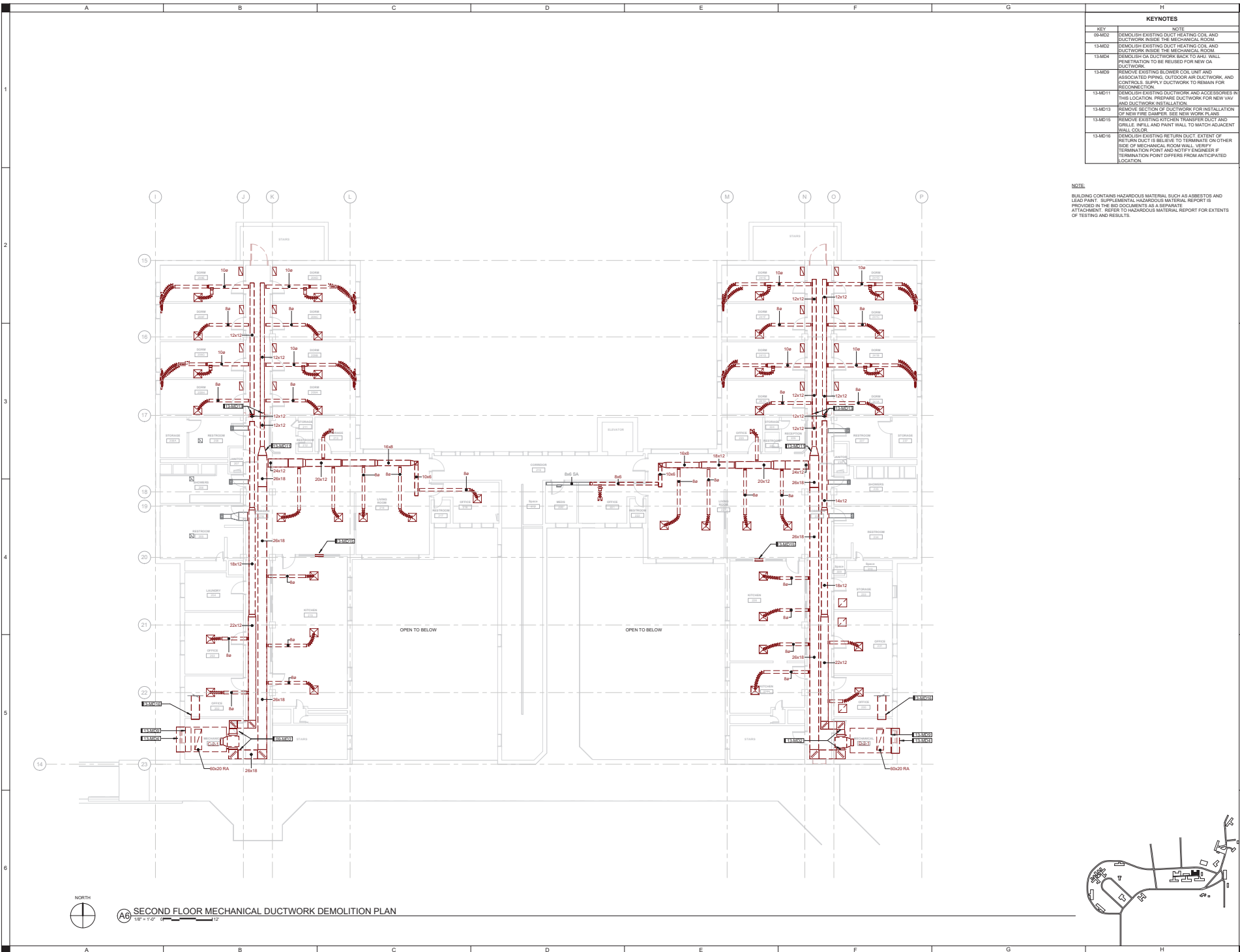
**A6 FIRST FLOOR MECHANICAL DUCTWORK PLAN**  
 1/8" = 1'-0"

**SHIVE HATTERY**  
 ARCHITECTURAL ENGINEERING  
 1125 WESTWAY PARKWAY, SUITE 100  
 WEST DES MOINES, IA 50319  
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**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 15-LINDEN CD  
 Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

DATE	DESCRIPTION
JUN 2024	ISSUED FOR CONSTRUCTION DOCUMENTS
03/27/2025	ISSUE DATE
221001040	PROJECT NUMBER
	FIELD BOOK

DRAWN BY: [ ]  
 APPROVED BY: [ ]  
 15-MD201



KEYNOTES	
KEY	NOTE
09-MD2	DEMOLISH EXISTING DUCT HEATING COIL AND DUCTWORK INSIDE THE MECHANICAL ROOM.
13-MD2	DEMOLISH EXISTING DUCT HEATING COIL AND DUCTWORK INSIDE THE MECHANICAL ROOM.
13-MD4	DEMOLISH OR DUCTWORK BACK TO AHJ. WALL PENETRATION TO BE REUSED FOR NEW OA DUCTWORK.
13-MD9	REMOVE EXISTING BLOWER COIL UNIT AND ASSOCIATED PIPING, OUTDOOR AIR DUCTWORK, AND CONTROL SUPPLY DUCTWORK TO REMAIN FOR RECONNECTION.
13-MD11	DEMOLISH EXISTING DUCTWORK AND ACCESSORIES IN THIS LOCATION. PREPARE DUCTWORK FOR NEW VAV AND DUCTWORK INSTALLATION.
13-MD13	REMOVE SECTION OF DUCTWORK FOR INSTALLATION OF NEW FIRE DAMPER. SEE NEW WORK PLAN.
13-MD15	REMOVE EXISTING KITCHEN TRANSFER DUCT AND GRILLE. FILL AND PAINT WALL TO MATCH ADJACENT WALL COLOR.
13-MD16	REMOVE EXISTING RETURN DUCT. EXTENT OF RETURN DUCT IS BELIEVED TO TERMINATE ON OTHER SIDE OF MECHANICAL ROOM WALL. VERIFY TERMINATION POINT AND NOTIFY ENGINEER IF TERMINATION POINT DIFFERS FROM ANTICIPATED LOCATION.

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.

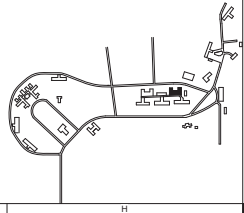
**SHIVE-HATTERY**  
 ARCHITECTS & ENGINEERS  
 1425 WESTWAY DRIVE, SUITE 100  
 WEST DES MOINES, IA 52709  
 515.283.6100 | SHIVE-HATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 13-LINDEN CD

Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

DATE	DESCRIPTION
03-27-2025	CONSTRUCTION DOCUMENTS
22-0000-040	PROJECT NUMBER
	FIELD BOOK

**SECOND FLOOR MECHANICAL DUCTWORK DEMOLITION PLAN**  
 13-MD202



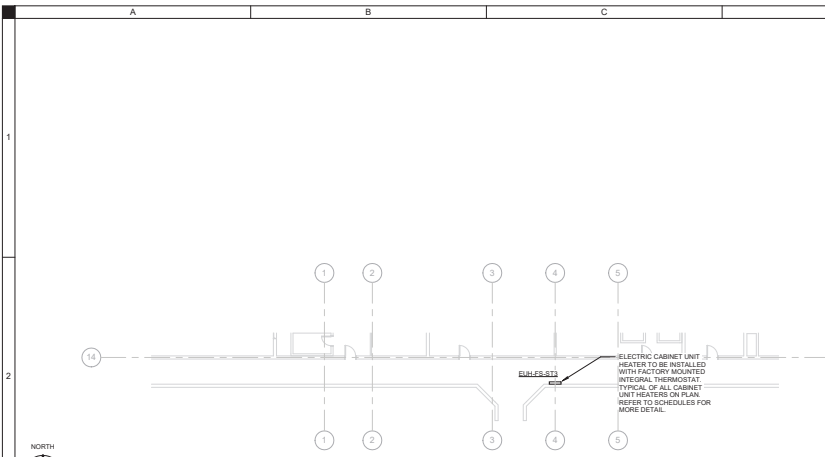
**A6 SECOND FLOOR MECHANICAL DUCTWORK DEMOLITION PLAN**  
 1/8" = 1'-0"

PROJECT: WRC DECENTRALIZATION PHASE 4 & FIRE ALARM PHASE 3  
 SHEET: 13-MD202  
 DATE: 03-27-2025

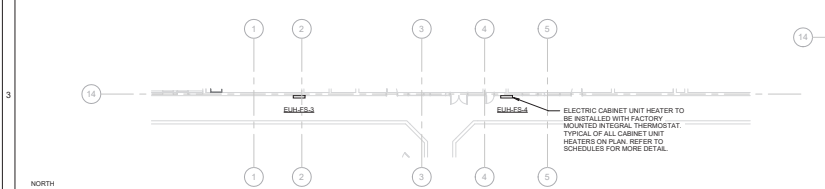




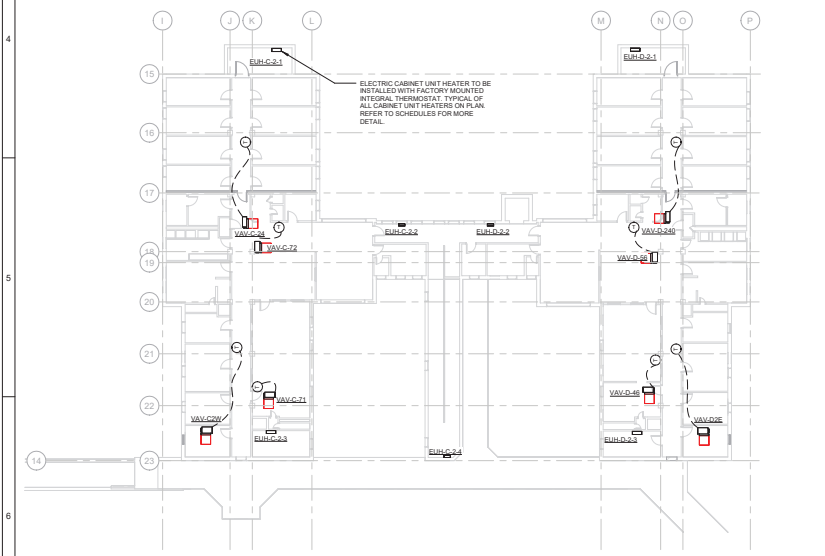




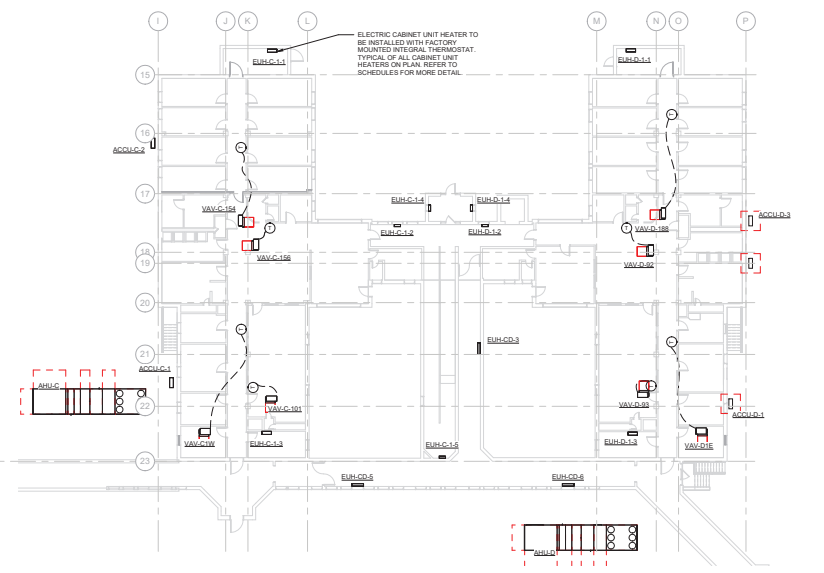
**A2 FOOD SERVICE BASEMENT TUNNEL THERMOSTAT PLAN**  
 1/8" = 1'-0" (1/4" = 1'-0")



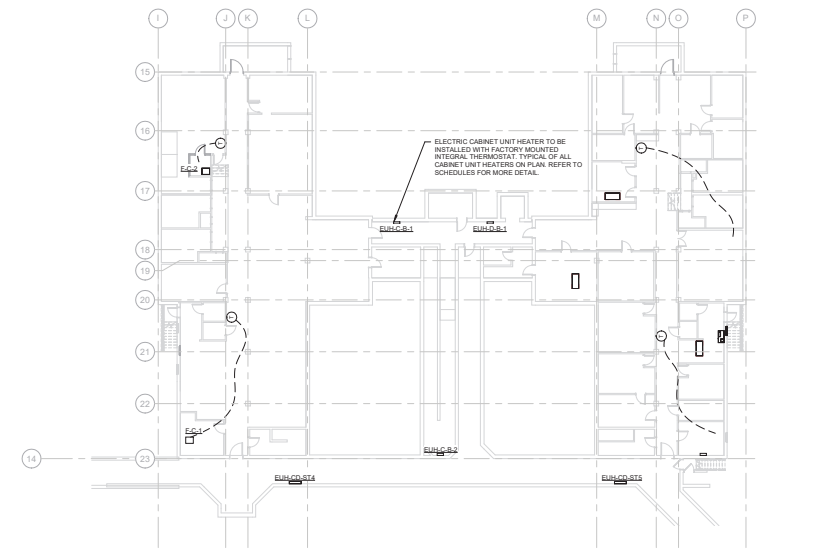
**A4 FOOD SERVICE FIRST FLOOR THERMOSTAT PLAN**  
 1/8" = 1'-0" (1/4" = 1'-0")



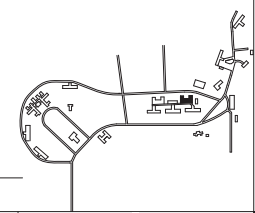
**A6 SECOND FLOOR THERMOSTAT PLAN**  
 1/8" = 1'-0" (1/4" = 1'-0")



**D4 FIRST FLOOR THERMOSTAT PLAN**  
 1/8" = 1'-0" (1/4" = 1'-0")



**D6 BASEMENT THERMOSTAT PLAN**  
 1/8" = 1'-0" (1/4" = 1'-0")



**SHIVE-HATTERY**  
 ARCHITECTURAL ENGINEERING  
 1425 WESTWAY DRIVE, SUITE 100  
 WEST DES MOINES, IA 50319  
 (515) 281-1101 | SHIVE-HATTERY.COM

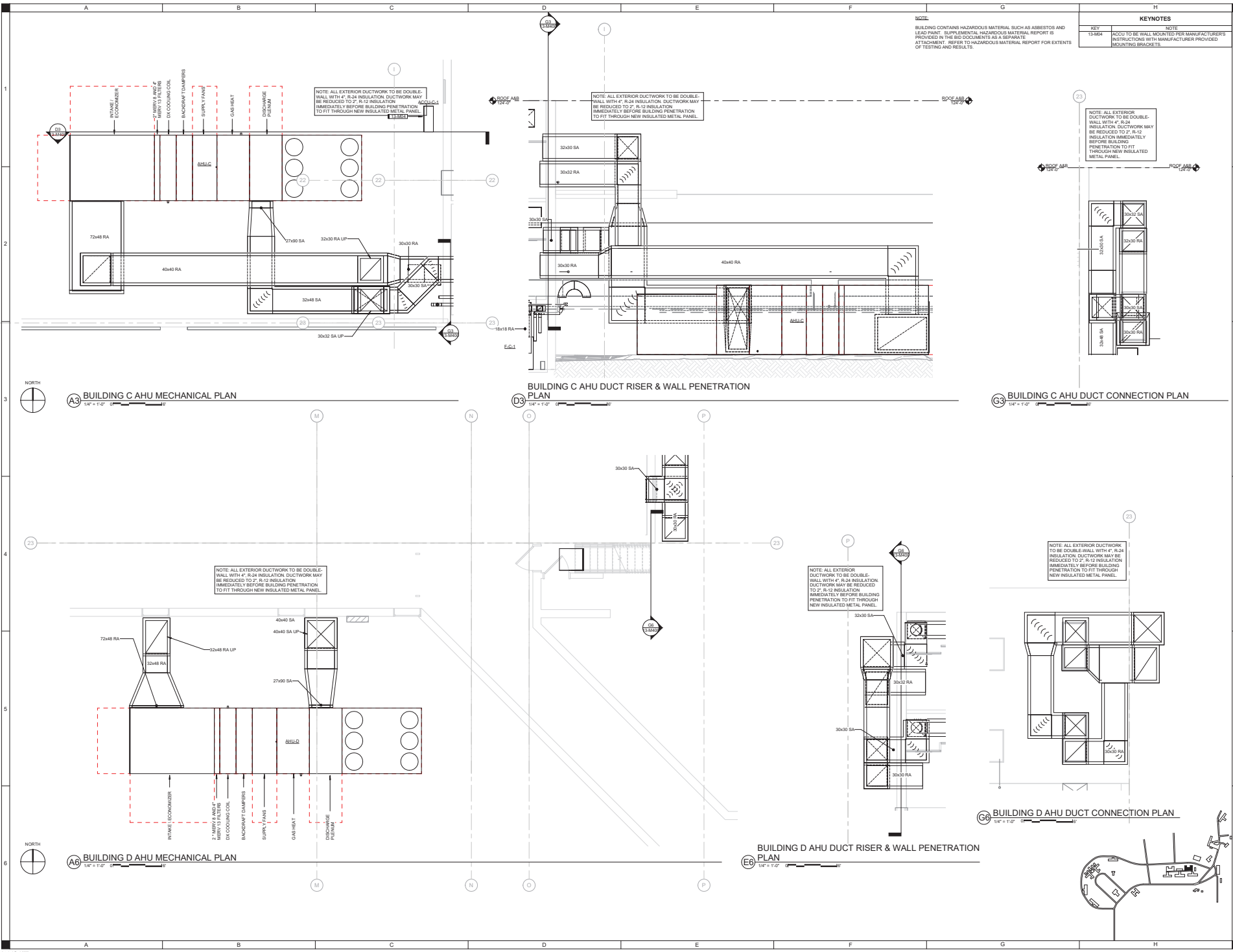
**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 15-LINDEN CD

Issued For: CONSTRUCTION DOCUMENTS  
 Issue Date: 03/27/2025  
 Product Number: 221001040  
 Field Book:

Drawn By: JMM  
 Approved By: JMM  
 THERMOSTAT PLAN

13-M300

Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278



**A3 BUILDING C AHU MECHANICAL PLAN**  
1/4" = 1'-0"

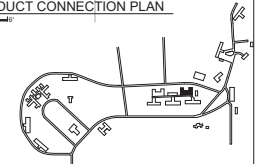
**D3 BUILDING C AHU DUCT RISER & WALL PENETRATION PLAN**  
1/4" = 1'-0"

**G3 BUILDING C AHU DUCT CONNECTION PLAN**  
1/4" = 1'-0"

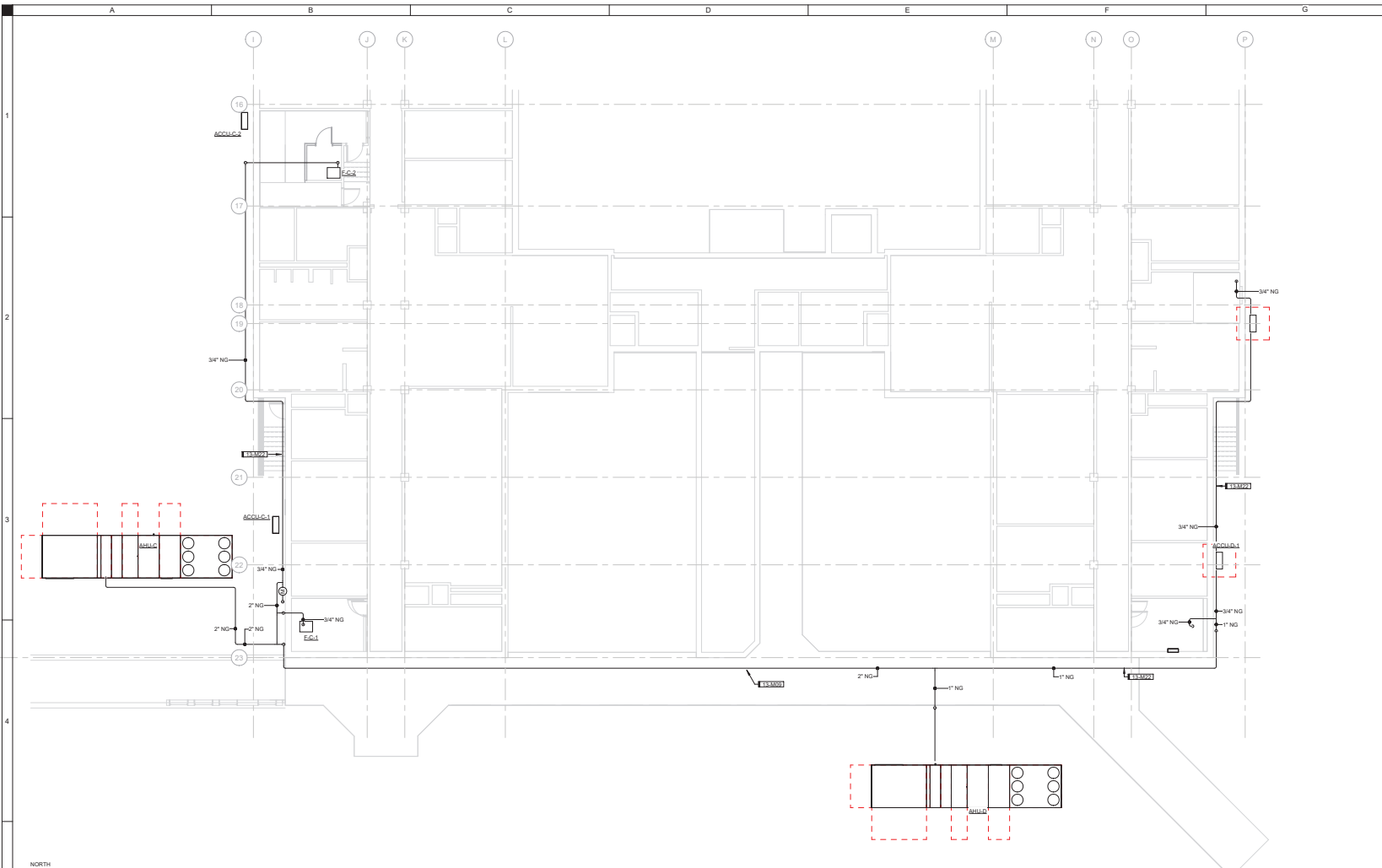
**A6 BUILDING D AHU MECHANICAL PLAN**  
1/4" = 1'-0"

**E6 BUILDING D AHU DUCT RISER & WALL PENETRATION PLAN**  
1/4" = 1'-0"

**G6 BUILDING D AHU DUCT CONNECTION PLAN**  
1/4" = 1'-0"





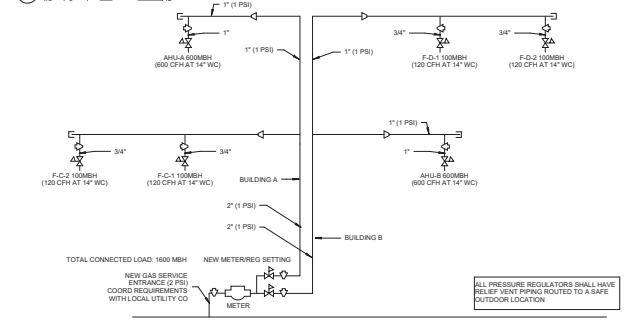


KEYNOTES	
KEY	NOTE
13-M09	ROUTE NATURAL GAS PIPING UP TO CORRIDOR ROOF
13-M22	ROUTE PIPING ON CORRIDOR ROOF TO AHU
	TERMINATE EXHAUST SYSTEM WITH 3/4\"/>

**NOTE:**  
 BUILDING CONTAINS HAZARDOUS MATERIAL SUCH AS ASBESTOS AND LEAD PAINT. SUPPLEMENTAL HAZARDOUS MATERIAL REPORT IS PROVIDED IN THE BID DOCUMENTS AS A SEPARATE ATTACHMENT. REFER TO HAZARDOUS MATERIAL REPORT FOR EXTENTS OF TESTING AND RESULTS.

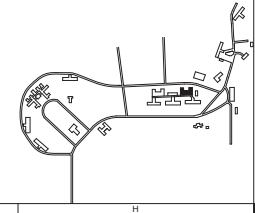


**A5 NATURAL GAS PLAN**  
 1/8" = 1'-0"



**A6 Gas Piping Schematic**  
 NOT TO SCALE

ALL PRESSURE REGULATORS SHALL HAVE RELIEF VENT PIPING ROUTED TO A SAFE OUTDOOR LOCATION



**SHIVE-HATTERY**  
 ARCHITECTURAL ENGINEERING

1425 WESTWAY PARK, SUITE 100  
 WEST DES MOINES, IA 50309  
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**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
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Iowa Department of Administrative Services  
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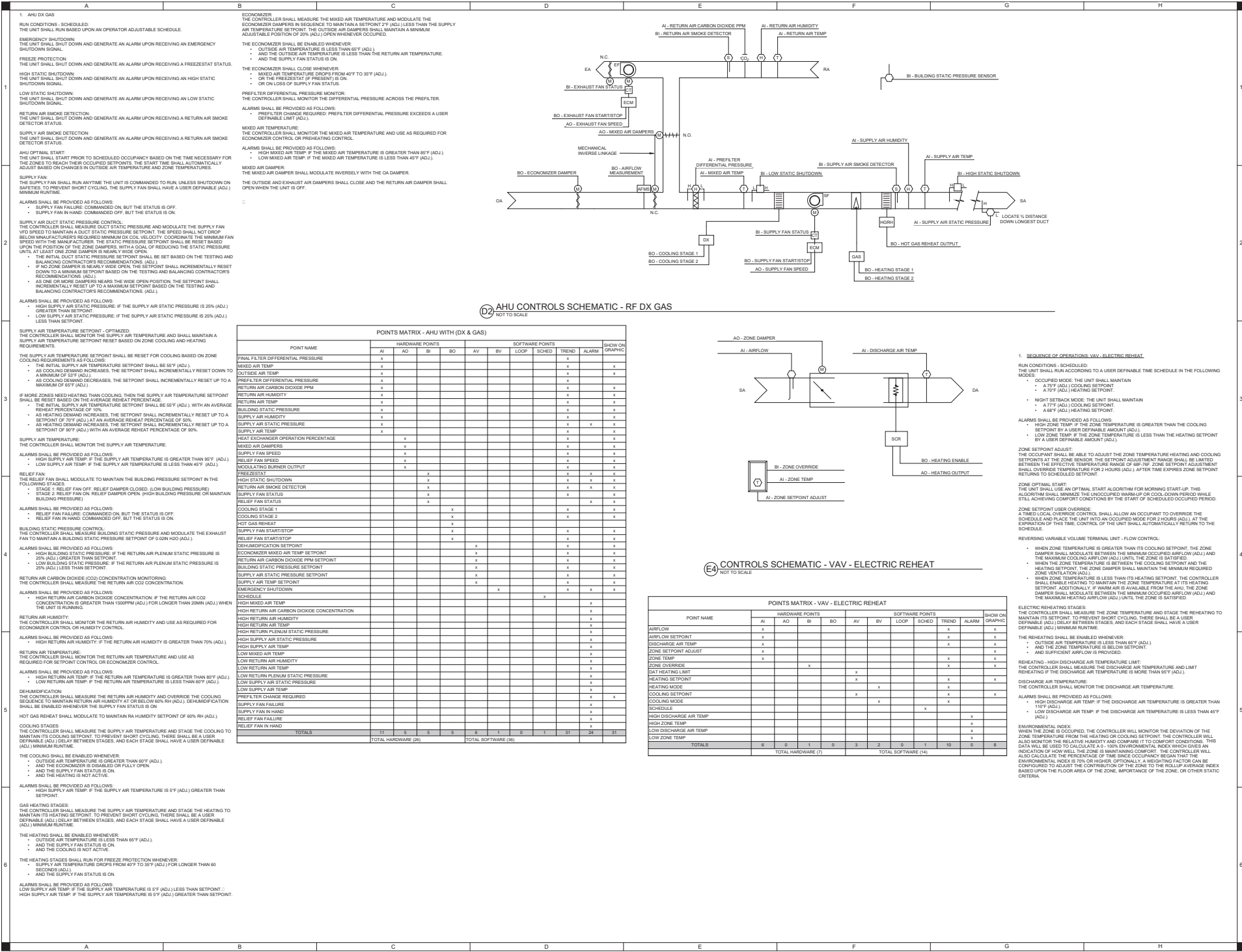
DRAWN BY	DATE
APPROVED BY	JUN
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03-27-2025
PROJECT NUMBER	221007400
FIELD BOOK	

**BUILDING C & D  
 NATURAL GAS  
 PLAN**

13-M402



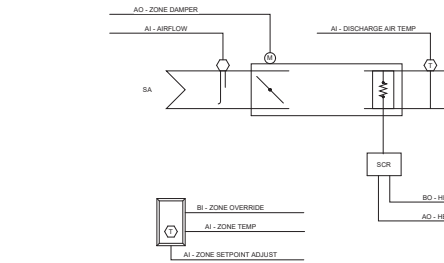




**POINTS MATRIX - AHU WITH (DX & GAS)**

POINT NAME	HARDWARE POINTS								SOFTWARE POINTS				SHOW ON GRAPHIC
	AI	AO	BI	BO	AOI	BOI	AOII	BOII	LOOP	SCHED	TREND	ALARM	
FINAL FILTER DIFFERENTIAL PRESSURE	x												
MIXED AIR TEMP	x											x	
OUTSIDE AIR TEMP	x											x	
PREFILTER DIFFERENTIAL PRESSURE	x											x	
RETURN AIR CARBON DIOXIDE PPM	x											x	
RETURN AIR HUMIDITY	x											x	
RETURN AIR TEMP	x											x	
BUILDING STATIC PRESSURE	x											x	
RETURN AIR HUMIDITY	x											x	
HEATING DEMAND	x											x	
SETPOINT OF 70°F (ADJ.) AT AN AVERAGE REHEAT PERCENTAGE OF 50%	x											x	
HEATING DEMAND	x											x	
SETPOINT OF 50°F (ADJ.) WITH AN AVERAGE REHEAT PERCENTAGE OF 50%	x											x	
HEAT EXCHANGER OPERATION PERCENTAGE	x											x	
MIXED AIR DAMPERS	x											x	
MIXED AIR TEMP	x											x	
SUPPLY FAN SPEED	x											x	
RELIEF FAN SPEED	x											x	
MODULATING BURNER OUTPUT	x											x	
PRESET/STAT	x											x	
HIGH STATIC SHUTDOWN	x											x	
RETURN AIR SMOKE DETECTOR	x											x	
SUPPLY FAN STATUS	x											x	
RELIEF FAN STATUS	x											x	
COOLING STAGE 1	x											x	
COOLING STAGE 2	x											x	
HOT GAS REHEAT	x											x	
SUPPLY FAN START/STOP	x											x	
RELIEF FAN START/STOP	x											x	
DEHUMIDIFICATION SETPOINT	x											x	
ECONOMIZER MIXED AIR TEMP SETPOINT	x											x	
RETURN AIR CARBON DIOXIDE PPM SETPOINT	x											x	
BUILDING STATIC PRESSURE SETPOINT	x											x	
SUPPLY AIR STATIC PRESSURE SETPOINT	x											x	
SUPPLY AIR TEMP SETPOINT	x											x	
EMERGENCY SHUTDOWN	x											x	
SCHEDULE	x											x	
HIGH MIXED AIR TEMP	x											x	
HIGH RETURN AIR CARBON DIOXIDE CONCENTRATION	x											x	
HIGH RETURN AIR HUMIDITY	x											x	
HIGH RETURN AIR TEMP	x											x	
HIGH RETURN PLENUM STATIC PRESSURE	x											x	
HIGH SUPPLY AIR STATIC PRESSURE	x											x	
HIGH SUPPLY AIR TEMP	x											x	
LOW MIXED AIR TEMP	x											x	
LOW RETURN AIR HUMIDITY	x											x	
LOW RETURN AIR TEMP	x											x	
LOW RETURN PLENUM STATIC PRESSURE	x											x	
LOW SUPPLY AIR STATIC PRESSURE	x											x	
LOW SUPPLY AIR TEMP	x											x	
PREFILTER CHANGE REQUIRED	x											x	
SUPPLY FAN FAILURE	x											x	
SUPPLY FAN IN HAND	x											x	
RELIEF FAN FAILURE	x											x	
RELIEF FAN IN HAND	x											x	
TOTALS	11	5	5	5	6	1	0	1	31	24	31		
TOTAL HARDWARE (26)													
TOTAL SOFTWARE (36)													

**2 AHU CONTROLS SCHEMATIC - RF DX GAS**  
NOT TO SCALE



**3 VAV - ELECTRIC REHEAT**  
NOT TO SCALE

**POINTS MATRIX - VAV - ELECTRIC REHEAT**

POINT NAME	HARDWARE POINTS								SOFTWARE POINTS				SHOW ON GRAPHIC
	AI	AO	BI	BO	AOI	BOI	AOII	BOII	LOOP	SCHED	TREND	ALARM	
AIRFLOW	x											x	
AIRFLOW SETPOINT	x											x	
DISCHARGE AIR TEMP	x											x	
ZONE SETPOINT ADJUST	x											x	
ZONE TEMP	x											x	
ZONE OVERRIDE	x											x	
DAT HEATING LIMIT	x											x	
HEATING SETPOINT	x											x	
HEATING MODE	x											x	
COOLING SETPOINT	x											x	
COOLING MODE	x											x	
SCHEDULE	x											x	
HIGH DISCHARGE AIR TEMP	x											x	
HIGH ZONE TEMP	x											x	
LOW DISCHARGE AIR TEMP	x											x	
LOW ZONE TEMP	x											x	
TOTALS	6	0	1	0	3	2	0	1	10	4	8		
TOTAL HARDWARE (7)													
TOTAL SOFTWARE (14)													

**1. SEQUENCE OF OPERATIONS - VAV - ELECTRIC REHEAT**  
 RUN CONDITIONS - SCHEDULED  
 THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:  
 • OCCUPIED MODE: THE UNIT SHALL MAINTAIN  
 • A 73°F (ADJ.) COOLING SETPOINT  
 • A 73°F (ADJ.) HEATING SETPOINT  
 • NIGHT SETBACK MODE: THE UNIT SHALL MAINTAIN  
 • A 77°F (ADJ.) COOLING SETPOINT  
 • A 68°F (ADJ.) HEATING SETPOINT

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
 • HIGH RETURN AIR STATIC PRESSURE IF GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.)  
 • LOW SUPPLY AIR STATIC PRESSURE IF LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.)

ZONE SETPOINT ADJUST:  
 THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR. THE SETPOINT ADJUSTMENT RANGE SHALL BE LIMITED TO THE EFFECTIVE TEMPERATURE RANGE OF 68-75°F. ZONE SETPOINT ADJUSTMENT SHALL OVERRIDE TEMPERATURE FOR 2 HOURS (ADJ.) AFTER TIME EXPRES. ZONE SETPOINT RETURNS TO SCHEDULED SETPOINT.

ZONE OPTIMAL START  
 THE UNIT SHALL USE AN OPTIMAL START ALGORITHM FOR MORNING START-UP. THIS ALGORITHM SHALL MINIMIZE THE UNOCCUPIED WARM-UP OR COOL-DOWN PERIOD WHILE STILL ACHIEVING COMFORT CONDITIONS BY THE START OF SCHEDULED OCCUPIED PERIOD.

ZONE SETPOINT USER OVERRIDE:  
 A TIME-D LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR 4 HOURS (ADJ.) AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

REVERSING VARIABLE VOLUME TERMINAL UNIT - FLOW CONTROL:  
 • WHEN ZONE TEMPERATURE IS GREATER THAN ITS COOLING SETPOINT, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM COOLING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.  
 • WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING SETPOINT AND THE HEATING SETPOINT, THE ZONE DAMPER SHALL MAINTAIN THE MINIMUM REQUIRED ZONE VENTILATION (ADJ.)  
 • WHEN ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT, THE CONTROLLER SHALL ENABLE HEATING TO MAINTAIN THE ZONE TEMPERATURE AT ITS HEATING SETPOINT. ADDITIONALLY, IF WARM AIR IS AVAILABLE FROM THE AIR, THE ZONE DAMPER SHALL MODULATE BETWEEN THE MINIMUM OCCUPIED AIRFLOW (ADJ.) AND THE MAXIMUM HEATING AIRFLOW (ADJ.) UNTIL THE ZONE IS SATISFIED.

ELECTRIC REHEATING STAGES:  
 THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND STAGE THE REHEATING TO MAINTAIN ITS SETPOINT. TO PREVENT SHORT CYCLING, THERE SHALL BE A USER DEFINABLE (ADJ.) DELAY BETWEEN STAGES, AND EACH STAGE SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME.

THE REHEATING SHALL BE ENABLED WHENEVER:  
 • OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.)  
 • AND THE ZONE TEMPERATURE IS BELOW SETPOINT  
 • AND SUFFICIENT AIRFLOW IS PROVIDED

REHEATING - HIGH DISCHARGE AIR TEMPERATURE LIMIT:  
 THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND LIMIT REHEATING IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 95°F (ADJ.)

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
 • HIGH DISCHARGE AIR TEMP IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 95°F (ADJ.)  
 • LOW DISCHARGE AIR TEMP IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 45°F (ADJ.)

ENVIRONMENTAL INDEX:  
 WHEN THE ZONE IS OCCUPIED, THE CONTROLLER WILL MONITOR THE DEVIATION OF THE ZONE TEMPERATURE FROM THE HEATING OR COOLING SETPOINT. THE CONTROLLER WILL ALSO MONITOR FOR THE RELATIVE HUMIDITY AND COMPARE IT TO COMFORT CONDITIONS. THIS DATA WILL BE USED TO CALCULATE A ZONE ENVIRONMENTAL INDEX WHICH GIVES AN INDICATION OF HOW WELL THE ZONE IS MAINTAINING COMFORT. THE CONTROLLER WILL DO A CALCULATION OF THE CONTRIBUTION OF THE ZONE TO THE GLOBAL AVERAGE INDEX. ENVIRONMENTAL INDEX IS 70% OR HIGHER. OPTIONALLY, A WEIGHTING FACTOR CAN BE CONFIGURED TO ADJUST THE CONTRIBUTION OF THE ZONE TO THE GLOBAL AVERAGE INDEX BASED UPON THE FLOOR AREA OF THE ZONE, IMPORTANCE OF THE ZONE, OR OTHER STATIC CRITERIA.

**SHIVEHATTERY**  
 1425 METZGER PARKWAY, SUITE 300  
 WEST DES MOINES, IA 50309  
 TEL: 515.281.1111 | WWW.SHIVEHATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**

Iowa Department of Administrative Services  
 1201 S. 344th St., Woodward, IA 50278

**MECHANICAL CONTROLS**

DRAWN BY: JRM  
 APPROVED BY: JRM  
 ISSUED FOR: CONSTRUCTION DOCUMENTS  
 ISSUE DATE: 03-27-2025  
 PROJECT NUMBER: 22-0001040  
 FIELD BOOK:

**13-M502**

**UNIT HEATER SCHEDULE - ELECTRIC**

REMARKS:  
1. OR ENGINEER APPROVED EQUIVALENT  
2. TO BE INSTALLED WITH MANUFACTURER'S SPECIFIED WALL MOUNTING BRACKETS  
3. UNIT SHALL HAVE MANUFACTURER'S INTEGRAL TAMPER-PROOF THERMOSTAT WITH DDC INTEGRATION CAPABILITIES  
4. UNIT SHALL HAVE MANUFACTURER'S VANDAL-PROOF COVER  
5. ALL ELECTRIC UNIT HEATERS SHALL HAVE TWO-STAGE HEAT

MARK	AREA SERVED	CFM	ELECTRICAL DATA			DESIGN BASIS
			EAT (°F)	KW	VOLTS/PHASE	
EHUC-1	STAIRS 205	500	45	4	480	3
EHUC-1-1	CORRIDOR 156	500	45	4	480	3
EHUC-1-2	CORRIDOR 156	500	45	4	480	3
EHUC-1-3	STAIRS 201	500	45	4	480	3
EHUC-1-4	ENTRY VESTIBULE B40	500	45	4	480	3
EHUC-1-5	RAMP B37	500	45	4	480	3
EHUC-2-1	STAIRS B35	500	45	4	480	3
EHUC-2-2	CORRIDOR B3	500	45	4	480	3
EHUC-2-3	STAIRS 202	500	45	4	480	3
EHUC-2-4	SPACE 337	500	45	4	480	3
EHUC-2-5	SPACE 337	500	45	4	480	3
EHUC-2-6	SPACE 51	500	45	4	480	3
EHUC-2-7	SPACE 52	500	45	4	480	3
EHUC-2-8	SPACE 52	500	45	4	480	3
EHUC-2-9	SPACE 52	500	45	4	480	3
EHUC-2-10	SPACE 52	500	45	4	480	3
EHUC-2-11	SPACE 52	500	45	4	480	3
EHUC-2-12	SPACE 52	500	45	4	480	3
EHUC-2-13	SPACE 52	500	45	4	480	3
EHUC-2-14	SPACE 52	500	45	4	480	3
EHUC-2-15	SPACE 52	500	45	4	480	3
EHUC-2-16	SPACE 52	500	45	4	480	3
EHUC-2-17	SPACE 52	500	45	4	480	3
EHUC-2-18	SPACE 52	500	45	4	480	3
EHUC-2-19	SPACE 52	500	45	4	480	3
EHUC-2-20	SPACE 52	500	45	4	480	3
EHUC-2-21	SPACE 52	500	45	4	480	3
EHUC-2-22	SPACE 52	500	45	4	480	3
EHUC-2-23	SPACE 52	500	45	4	480	3
EHUC-2-24	SPACE 52	500	45	4	480	3
EHUC-2-25	SPACE 52	500	45	4	480	3
EHUC-2-26	SPACE 52	500	45	4	480	3
EHUC-2-27	SPACE 52	500	45	4	480	3
EHUC-2-28	SPACE 52	500	45	4	480	3
EHUC-2-29	SPACE 52	500	45	4	480	3
EHUC-2-30	SPACE 52	500	45	4	480	3
EHUC-2-31	SPACE 52	500	45	4	480	3
EHUC-2-32	SPACE 52	500	45	4	480	3
EHUC-2-33	SPACE 52	500	45	4	480	3
EHUC-2-34	SPACE 52	500	45	4	480	3
EHUC-2-35	SPACE 52	500	45	4	480	3
EHUC-2-36	SPACE 52	500	45	4	480	3
EHUC-2-37	SPACE 52	500	45	4	480	3
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EHUC-2-52	SPACE 52	500	45	4	480	3
EHUC-2-53	SPACE 52	500	45	4	480	3
EHUC-2-54	SPACE 52	500	45	4	480	3
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EHUC-2-58	SPACE 52	500	45	4	480	3
EHUC-2-59	SPACE 52	500	45	4	480	3
EHUC-2-60	SPACE 52	500	45	4	480	3
EHUC-2-61	SPACE 52	500	45	4	480	3
EHUC-2-62	SPACE 52	500	45	4	480	3
EHUC-2-63	SPACE 52	500	45	4	480	3
EHUC-2-64	SPACE 52	500	45	4	480	3
EHUC-2-65	SPACE 52	500	45	4	480	3
EHUC-2-66	SPACE 52	500	45	4	480	3
EHUC-2-67	SPACE 52	500	45	4	480	3
EHUC-2-68	SPACE 52	500	45	4	480	3
EHUC-2-69	SPACE 52	500	45	4	480	3
EHUC-2-70	SPACE 52	500	45	4	480	3
EHUC-2-71	SPACE 52	500	45	4	480	3
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EHUC-2-86	SPACE 52	500	45	4	480	3
EHUC-2-87	SPACE 52	500	45	4	480	3
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EHUC-2-93	SPACE 52	500	45	4	480	3
EHUC-2-94	SPACE 52	500	45	4	480	3
EHUC-2-95	SPACE 52	500	45	4	480	3
EHUC-2-96	SPACE 52	500	45	4	480	3
EHUC-2-97	SPACE 52	500	45	4	480	3
EHUC-2-98	SPACE 52	500	45	4	480	3
EHUC-2-99	SPACE 52	500	45	4	480	3
EHUC-2-100	SPACE 52	500	45	4	480	3

**DIFFUSERS REGISTERS AND GRILLES SCHEDULE**

REMARKS:  
1. COORDINATE MOUNTING STYLE WITH MOUNTING SURFACE

MARK	MATERIAL	DESCRIPTION	FACE SIZE	FINISH	DESIGN BASIS
A	ALUMINUM	SQUARE PLAUER		WHITE	TITUS BSL
B	ALUMINUM	12" X 12" X 1/2" EGGCRATE		WHITE	TITUS BPF
C	ALUMINUM	1/2" SPACING 48" DEFLECTOR		WHITE	TITUS BSL
D	ALUMINUM	AEROBLADE SUPPLY DIFFUSER WITH 3/4" BLADE SPACING		WHITE	TITUS Z2FL
E	ALUMINUM	3/4" SPACING SHORT BLADE RETURN GRILLE		WHITE	TITUS Z2BR
F	ALUMINUM	LINEAR SLOT DIFFUSER, 1" SLOT, HIGHTHROW, SURFACE MOUNT, BORDER TYPE 22		WHITE	TITUS B1-30

**VRF AIR COOLED CONDENSING UNIT SCHEDULE**

REMARKS:  
1. PROVIDE SYSTEM WITH INTEGRAL DRAIN PAN HEATER VIA HOT GAS PIPING. IF ELECTRICAL PAN HEATER IS PROVIDED IN LIEU OF HOT GAS ALL ELECTRICAL CONNECTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST.  
2. VRF SYSTEM SHALL MAINTAIN CONTINUOUS HEATING DURING DEFROST OPERATION. REVERSE CYCLE DEFROST OPERATION SHALL NOT BE PERMITTED.  
3. VRF SYSTEM SHALL MAINTAIN CONTINUOUS HEATING DURING OIL RETURN OPERATION.  
4. PROVIDE UNIT WITH SNOW GUARDS.  
5. DISCONNECT SWITCH SHALL BE PROVIDED AND INSTALLED BY E.C.  
6. CIRCUIT REFRIGERANT VOLUME SHALL NOT EXCEED 20 LBS.

MARK	SYSTEM SERVED	CAPACITY (RBH)	HEATING CAPACITY (MBH)	AMBIENT TEMPERATURE (°F)		# OF COMPRESSORS	SEER	EER	ELECTRICAL DATA				REFRIGERANT	CONSTRAINTS (LBS/SS CURB)	OPERATING WEIGHT (LBS)	DESIGN BASIS
				DESIGN	MIN.				VOLTS	PHASE	MCA	MOP				
ACCU-D-1	HP-D-1	36	40	95	0	1	18.9	11.8	208	1	34.8	40	R-32	E	234	DAKIN RZ3A/R3AGU
ACCU-D-2	HP-D-2	36	40	95	0	1	18.9	11.8	208	1	34.8	40	R-32	E	234	DAKIN RZ3A/R3AGU
ACCU-D-3	HP-D-3	36	40	95	0	1	18.9	11.8	208	1	34.8	40	R-32	E	234	DAKIN RZ3A/R3AGU

**VRF INDOOR UNIT SCHEDULE**

REMARKS:  
1. INDOOR UNIT SHALL MAINTAIN SCHEDULED CAPACITY REGARDLESS OF OUTDOOR AIR TEMPERATURE.  
2. DISCONNECT SWITCH SHALL BE PROVIDED AND INSTALLED BY E.C.  
3. PROVIDE WITH INTEGRAL CONDENSATE PUMP

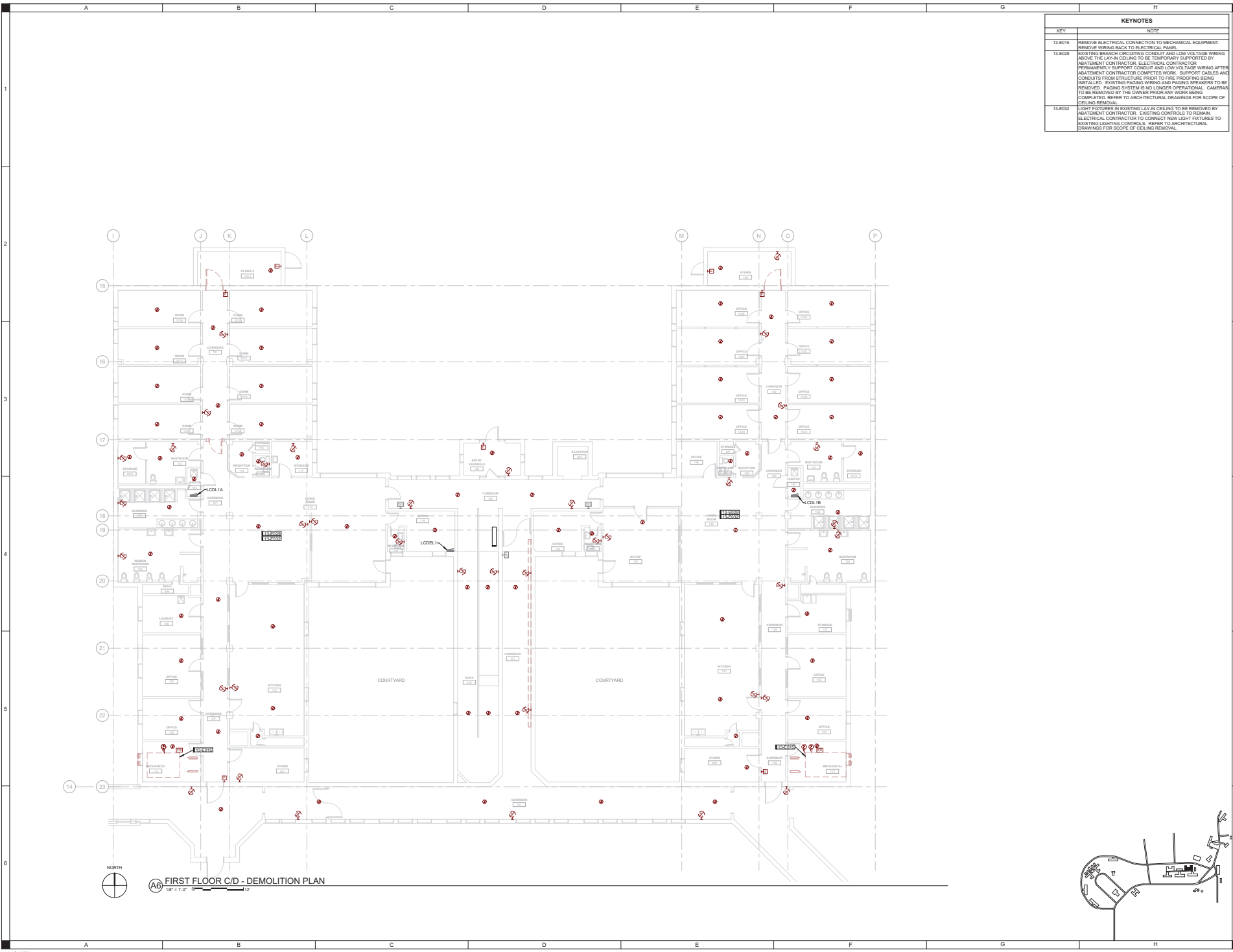
MARK	CFM	ESP (IN W.C.)	COOLING DATA		HEATING DATA		ELECTRICAL DATA				DESIGN BASIS
			TOTAL MBH	OUTPUT MBH	VOLTS	PHASE	MCA	MOP	TYPE	LBS	
HP-D-1	795	0.8	36	40	208	1	3	15	DAKIN FR3AS		
HP-D-2	795	0.8	36	40	208	1	3	15	DAKIN FR3AS		
HP-D-3	795	0.8	36	40	208	1	3	15	DAKIN FR3AS		

**VAV BOX SCHEDULE**

REMARKS:  
1. OR ENGINEER PRE-APPROVED EQUIVALENT  
2. PROVIDE WITH FACTORY INSTALLED DOOR INTERLOCK DISCONNECT SWITCH  
3. REFER TO PLANS FOR CONTROL BOX ORIENTATION.  
4. MAXIMUM BOX HEIGHT INCLUDING CONTROL BOX NOT TO EXCEED 18"

MARK	UNIT SIZE	COOLING MAX	MIN CFM	HEATING MAX	HEATING COIL		AIR TEMPERATURE		ELECTRICAL			MCA	DESIGN BASIS	REMARKS
					APD (IN)	EAT (°F)	LAT (°F)	VOLTS/PHASE	KW	MOP				
VAV-CZ1W	18	2860	1385	2810	24	0.1	50	95	3	21	39.4	31.6 A	TITUS DEV	1.2,3
VAV-CZ1B	18	2810	1385	2810	22	0.07	50	95	3	25	40.4	37.8 A	TITUS DEV	1.2,3
VAV-C36	12	1250	330	1100	24	0	50	95	3	19	30.4	28.1 A	TITUS DEV	1.2,3,4
VAV-C37	14	1540	370	1650	21	0	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C38	14	1540	370	1650	21	0	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C101	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C102	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C103	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C104	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C105	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C106	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C107	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4
VAV-C108	14	1540	370	1650	21	0.1	50	94	3	15	25.4	22.8 A	TITUS DEV	1.2,3,4





**A6 FIRST FLOOR C/D - DEMOLITION PLAN**  
1/8" = 1'-0"

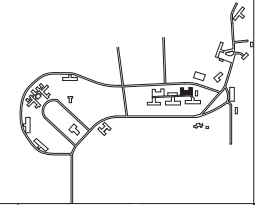
KEYNOTES	
KEY	NOTE
13-ED15	REMOVE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. REMOVE WIRING BACK TO ELECTRICAL PANELS.
13-ED29	REMOVE ELECTRICAL CONNECTION TO MECHANICAL EQUIPMENT. REMOVE WIRING BACK TO ELECTRICAL PANELS. REMOVE BRANCH CIRCUITING CONDUIT AND LOW VOLTAGE WIRING ABOVE THE LAY-IN CEILING TO BE TEMPORARILY SUPPORTED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR PERMANENTLY SUPPORT CONDUIT AND LOW VOLTAGE WIRING AFTER BRANCH CIRCUITING CONDUIT AND LOW VOLTAGE WIRING IS REMOVED. EXISTING PAGING WIRING AND PAGING SPEAKERS TO BE REMOVED. PAGING SYSTEM IS NO LONGER OPERATIONAL. CAMERAS TO BE REMOVED BY THE OWNER PRIOR ANY WORK BEING COMPLETED. REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF CEILING REMOVAL.
13-ED32	LIGHT FIXTURES IN EXISTING LAY-IN CEILING TO BE REMOVED BY MECHANICAL CONTRACTOR. EXISTING CONTROLS TO REMAIN. ELECTRICAL CONTRACTOR TO CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CONTROLS. REFER TO ARCHITECTURAL DRAWINGS FOR SCOPE OF CEILING REMOVAL.

**SHIVE-HATTERY**  
 ARCHITECTURAL ENGINEERING  
 1425 WESTWAY DRIVE, SUITE 100  
 WEST DES MOINES, IA 50309  
 515.281.1100 | SHIVE-HATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
 13-LINDEN C/D  
 Iowa Department of Administrative Services  
 1201 334th St., Woodward, IA 50278

DATE	10/11/2024
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03/27/2025
PROJECT NUMBER	221001040
FIELD BOOK	

**FIRST FLOOR C&D - DEMOLITION PLAN**  
 13-ED201



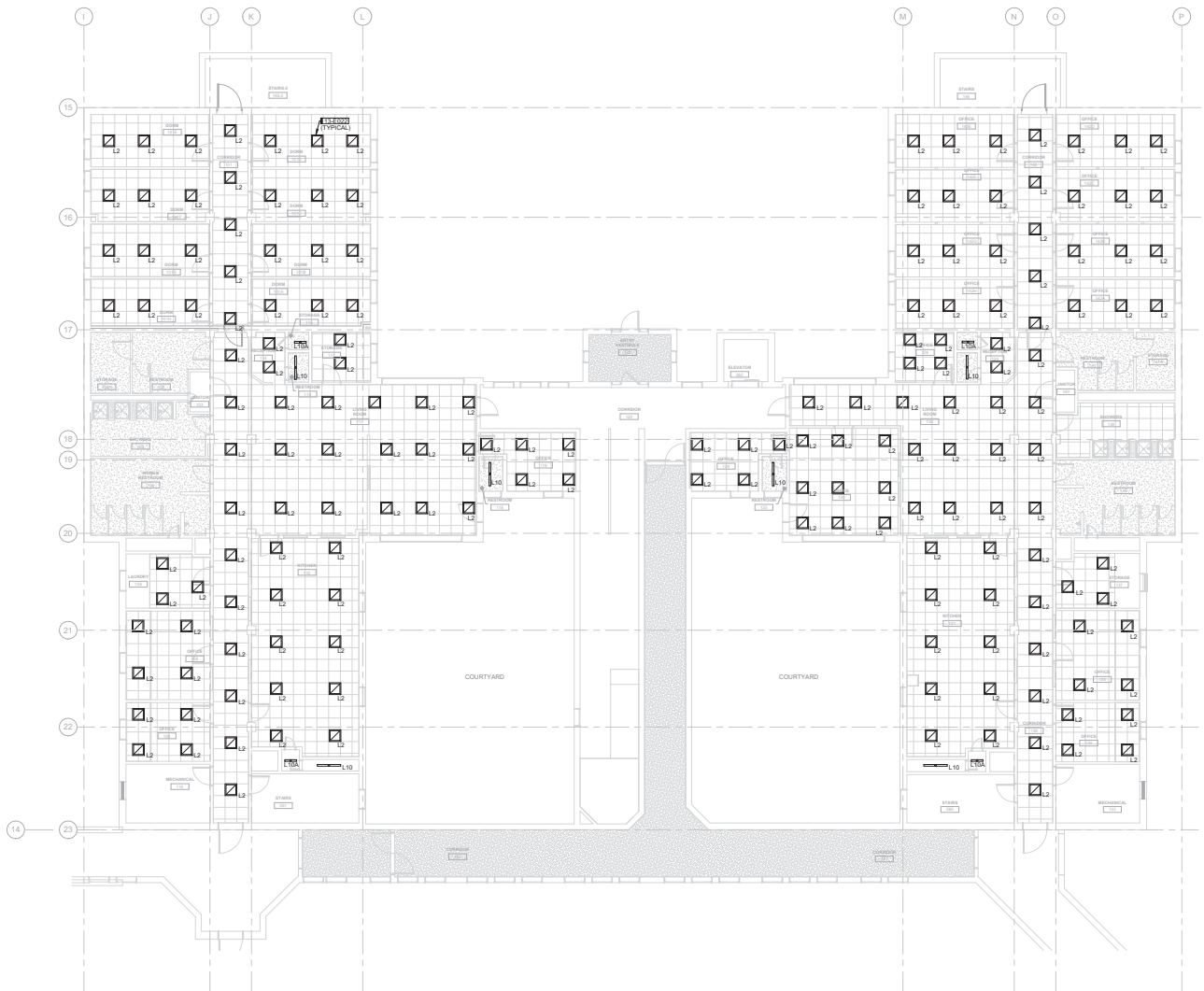




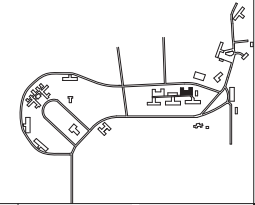
A B C D E F G H

GENERAL NOTES  
1. REMOVE ALL CEILING AND WALL MOUNTED  
EXIT LIGHTS PRIOR TO CEILING BEING  
REMOVED. REINSTALL EXIT LIGHTS IN SAME  
LOCATION AFTER NEW CEILING IS INSTALLED.

KEYNOTES	
KEY	NOTE
13-5222	CIRCUIT TO NEAREST SPARE 100V 20A TP BREAKER.



**A6** FIRST FLOOR C/D - ELECTRICAL LIGHTING PLAN  
1/8" = 1'-0" 1/4" = 1'-0"



**SHIVE-HATTERY**  
ARCHITECTS ENGINEERS  
1425 WESTWAY PARK, SUITE 300  
WEST DES MOINES, IA 50319  
515.281.5100 | SHIVE-HATTERY.COM

**WRC Decentralization Phase 4 & Fire Alarm Phase 3 (9279.40)**  
15-LINDEN C/D

Iowa Department of Administrative Services  
1251 334th St., Woodward, IA 50278

ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUED DATE	03-27-2025
PROJECT NUMBER	221007400
FIELD BOOK	

**FIRST FLOOR  
C&D - LIGHTING  
PLAN**

13-E101

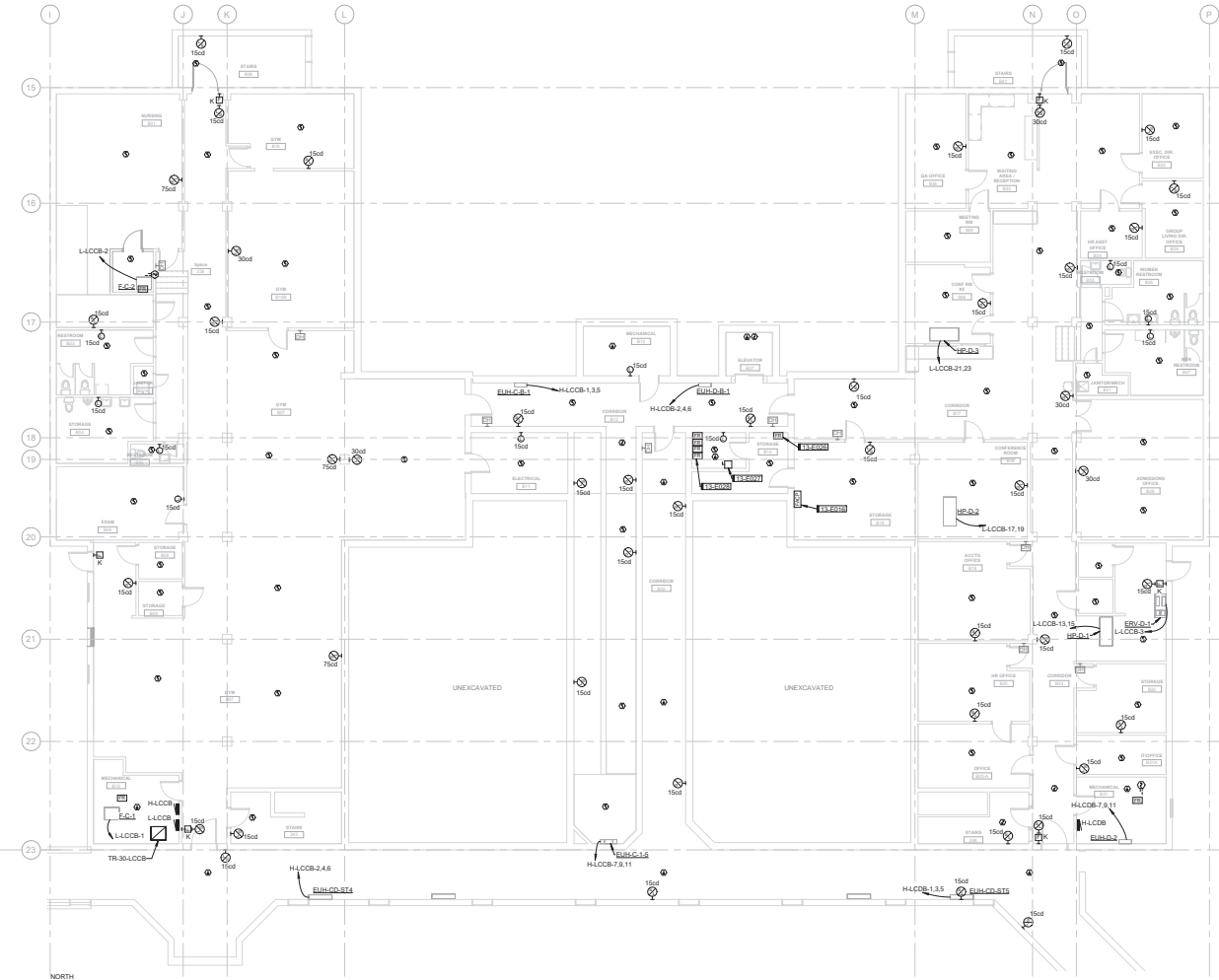
PROJECT: 2024-03-27-2025  
DATE: 03-27-2025  
DRAWN BY: [Name]  
CHECKED BY: [Name]  
SCALE: 1/8" = 1'-0"



DATE	DESCRIPTION
03/27/2025	CONSTRUCTION DOCUMENTS
22/00/2024	PROJECT NUMBER
	FIELD BOOK

BASEMENT  
 LEVEL C/D -  
 POWER PLAN

**A2 FOOD SERVICE BASEMENT ELECTRICAL PLAN**  
 1/8" = 1'-0"

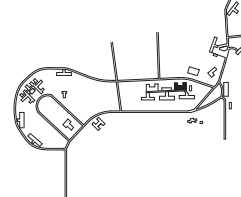


KEYNOTES	
KEY	NOTE
13-E016	EXTEND EXISTING FIRE ALARM CIRCUIT TO NEW FIRE ALARM CONTROL PANEL LOCATION. CIRCUIT WITH (2) #12 AND 1#12GND IN PVC.
13-E026	DOOR HOLDER RELEASE RELAY. PROVIDE ONE RELAY PER FLOOR. RELAY TO RELEASE ALL DOORS ON THE FLOOR.
13-E027	FURNISH AND INSTALL 100/3P SHUNT TRIP BREAKER FOR ELEVATOR. MATCH EXISTING CONDUCTOR AND WIRE SIZE.
13-E028	ELEVATOR SHUTDOWN RELAYS (TYP. 4)

BRANCH PANEL NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN OCP	AIC RATING
<b>L-LCCB</b>	208Y/120	3	4	100 AMPS	100 A	22,000 AMPS SYMMETRICAL
ROOM: MECHANICAL B10						
CODE: LIGHTING, RECEPTACLES, M-MOTORS, R-KITCHEN						
MOUNTING SURFACE: ENCLOSED, NEMA 1						
FEED FROM		FEED				
ROOM NO.	LOAD	PHASE	WIRE	PHASE	WIRE	ROOM NO.
FAC-1	1 20 A	1	19/1/9	1	20 A	FAC-2
ERV-D-1	1 20 A	3	18/0/0	3	20 A	
ACCU-C-1	2 40 A	7	2.5/2/3	2.5/2/3	40 A	ACCU-D-1
ACCU-C-2	2 40 A	3	2.5/2/3	2.5/2/3	40 A	ACCU-D-2
HP-D-1	2 15 A	13	0.2/2/3	0.2/2/3	15 A	ACCU-D-3
HP-D-2	2 15 A	17	0.2/2/3	0.2/2/3	15 A	
HP-D-3	2 15 A	19	0.2/0.8	0.2/0.8	15 A	
		21	0.2/0.8	0.2/0.8	15 A	
		25			28	
		27			28	
		29			30	
		31			32	
		33			34	
		35			36	
		37			38	
		39			40	
		41			42	
TOTAL LOAD:		1156.6 VA	9127 A VA	10010.8 VA		
TOTAL AMPS:		95.8 A	76.1 A	84.8 A		
LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATED DEMAND (VA)	PANEL TOTALS		
HVAC - COOLING & HEATING	2662.7 VA	100%	2662.7 VA	TOTAL CONN. LOAD 33492.7 VA		
HVAC - HEATING	3840 VA	100%	3840 VA	TOTAL EST. DEMAND 33492.7 VA		
				TOTAL CONN. CURRENT 84.8 A		
				TOTAL EST. DEMAND CURRENT 84.8 A		

NOTES:

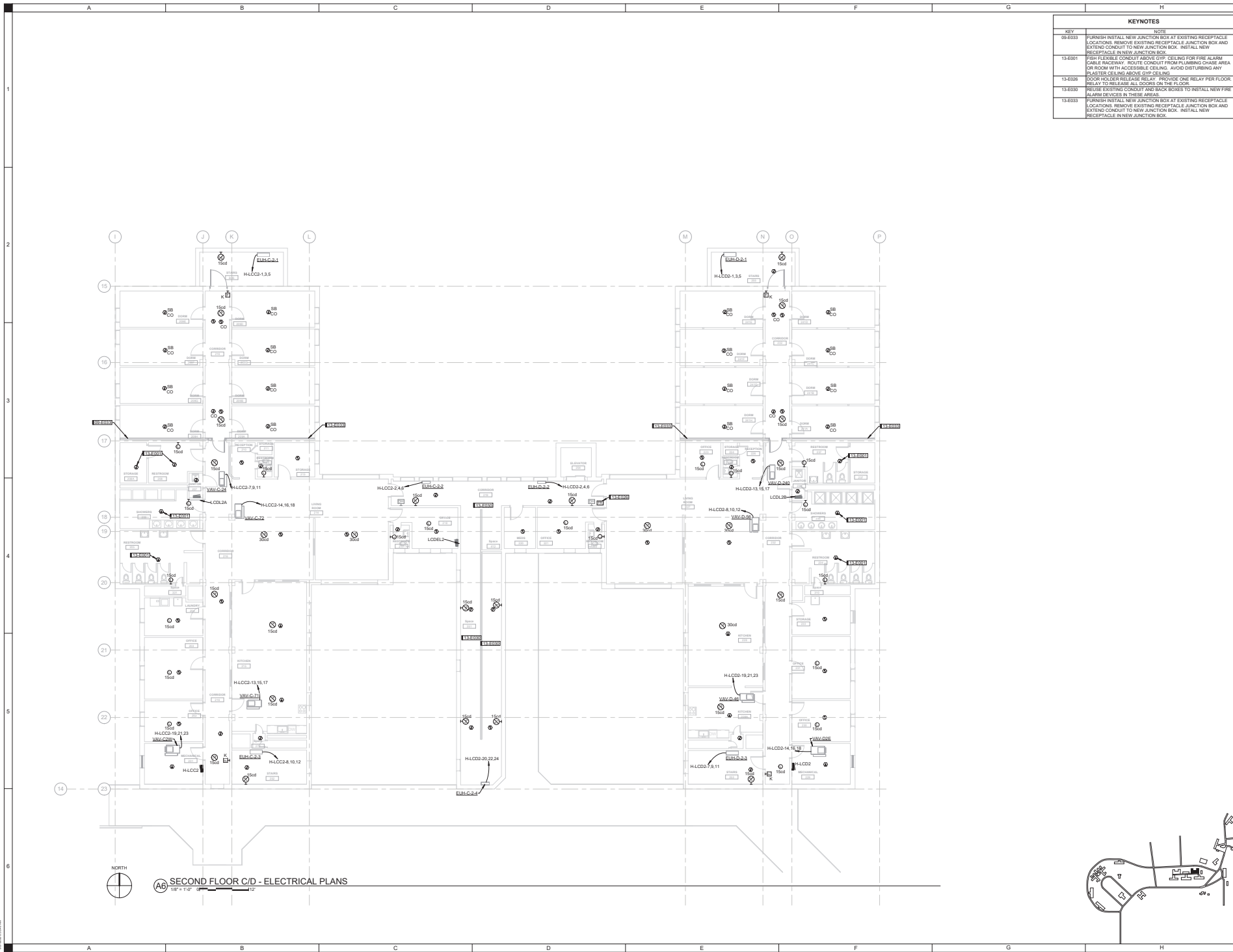
**A6 BASEMENT LEVEL C/D - ELECTRICAL PLAN**  
 1/8" = 1'-0"





KEY	NOTE
09-E033	FURNISH INSTALL NEW JUNCTION BOX AT EXISTING RECEPTACLE LOCATIONS. REMOVE EXISTING RECEPTACLE JUNCTION BOX AND EXTEND CONDUIT TO NEW JUNCTION BOX. INSTALL NEW RECEPTACLE IN NEW JUNCTION BOX.
13-E001	FISH FLEXIBLE CONDUIT ABOVE DYP CEILING FOR FIRE ALARM CHIEF RECEIVER. ROUTE CONDUIT FROM PLUMBING CHASE AREA OR ROOM WITH ACCESSIBLE CEILING. AVOID DISTURBING ANY PLASTER CEILING ABOVE DYP CEILING.
13-E002	DOOR HOLDER RELEASE RELAY. PROVIDE ONE RELAY PER FLOOR RELAY TO RELEASE ALL DOORS ON THE FLOOR.
13-E030	RIBS EXISTING CONDUIT AND SARK BOXES TO INSTALL NEW FIRE ALARM DEVICES IN THESE AREAS.
13-E033	FURNISH INSTALL NEW JUNCTION BOX AT EXISTING RECEPTACLE LOCATIONS. REMOVE EXISTING RECEPTACLE JUNCTION BOX AND EXTEND CONDUIT TO NEW JUNCTION BOX. INSTALL NEW RECEPTACLE IN NEW JUNCTION BOX.

REV.	DATE
ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	03/27/2025
PROJECT NUMBER	221001040
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(A) SECOND FLOOR C/D - ELECTRICAL PLANS



1/8" = 1'-0"

Table for H-LCCB: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCDB: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCC: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCD: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCC1: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCD1: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCC: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCD: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCC2: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCD2: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCC: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCD: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCC2: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for H-LCD2: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 22,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCC: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for DP-LCD: BRANCH PANEL NAME, VOLTAGE, PHASE, WIRE, BUS SIZE, MAIN OCP, A/C RATING, 42,000 AMPS SYMMETRICAL. Includes room details and load classification table.

Table for LIGHTING FIXTURE SCHEDULE: MOUNTING, STYLE, INTO RE-A, RECESSED, ACT, RE-G, RECESSED, OVR, RE-B, RECESSED, WALL, CL, CEILINGS SURFACE, PW = PERIMETER WALL, SP = SUSPENDED (AIR-CRAFT CABLE), ST = STEM, WL = WALL, WL-H = WALL HORIZONTAL, WL-V = WALL VERTICAL, UNV = UNIVERSAL POLE + POLE, UC = UNDER CABINET, TR = TRACK, GND = GROUND.

Table for MECHANICAL AND ELECTRICAL COORDINATION SCHEDULE C/D: MARR, VOLTAGE, PHASE, FLA, MCA, MOCOP, HP, WATTAGE, KVA, CONDUIT AND WIRE SIZE, CONTROLLER OR STARTER, DISCONNECT, REMARKS.

