

GENERAL NOTE:

SHOWN IS THE EXISTING FIRE SUPPRESSION PIPING. CONTRACTOR IS TO VERIFY ON SITE THE ASSEMBLY AND LOCATION.

THE CONTRACTOR IS RESPONSIBLE FOR ALTERING / MODIFYING THE EXISTING AS NEEDED TO ADAPT TO THE NEW FLOOR PLAN; SEE ADDITIONAL NOTES AND DETAILS TO ACCOMMODATE THE BUILDING'S NEW REMODELED SPACES UNDER THIS CONTRACT.

THE FIRE SUPPRESSION PIPING SHOW HERE IS FROM A DRAWING STAMPED "AS-BUILT" FROM A BUILDING ADDITION AND SHALL BE VERIFIED ON SITE BY THE CONTRACTOR

1 EXISTING FIRE SUPPRESSION PLAN -

PARTIAL BUILDING'S EXISTING SPRINKLERS FLOOR PLAN

SCALE 1/16" = 1'-0"

THIS CHART SHOWN HERE IS COPIED FROM A DRAWING STAMPED, AS-BUILT DRAWING FOR THE BUILDING ADDITION DATED SEP 19 2008 AND SHALL BE VERIFIED ON SITE BY THE CONTRACTOR. SHOWN HERE ONLY FOR INFORMATION.

WATER FLOW INFORMATION							
STATIC PSI	56.2	FIRE PUMP					
RESIDUAL PSI	23.4	MANUF.					
FLOWING	2941	GPM @ PSI					
DATE / TIME		DRIVER					
TIME OF TEST		H.P.					
TAKEN BY	City	TRANS. SW PUMP					
		VOLTAGE					
		SUCTION					

FIRE PROTECTION SYSTEM

RECONFIGURING THE EXISTING FIRE SUPPRESSION ASSEMBLY IS REQUIRED IN THE AREAS BEING RENOVATED. PROVIDE A COMPLETE SUPPRESSION SYSTEM IN THESE AREAS IN COMPLIANCE WITH THE CURRENT MICHIGAN BUILDING CODE (2021), THE MICHIGAN MECHANICAL CODE (2021), THE NFPA 13-2022 AND NFPA 14-2019.

THE LICENSED FIRE SUPPRESSION CONTRACTOR SHALL SUBMIT THE REQUIRED SHOP DRAWINGS AND DOCUMENTATION TO THE STATE OF MICHIGAN BUREAU OF CONSTRUCTION CODES, DEPARTMENT OF MILITARY AND VETERANS AFFAIRS AND OTHER AUTHORITIES AS REQUIRED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS PRIOR TO THE INSTALLATION.

THE FIRE SUPPRESSION CONTRACTOR SHALL PROVIDE ANY ADDITIONAL REQUIRED DEVICES SUCH AS FLOW SWITCHES, PRESSURE SWITCHES, AND TAMPER SWITCHES. THE DEVICES ARE TO BE INSTALLED BY THE FIRE SUPPRESSION CONTRACTOR. WIRING AND CONNECTIONS TO THE BUILDING FIRE ALARM SYSTEM ARE TO BE PROVIDED BY THE ELECTRICAL SUBCONTRACTOR OR THE ALARM SUBCONTRACTOR UNDER THIS CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR FLUSHING, TESTING AND CHLORINATING PIPING AS REQUIRED FOR APPROVAL BY AUTHORITIES.

PROVIDE ANY ADDITIONAL EQUIPMENT AND MATERIALS AS NEEDED TO MEET THE NFPA REQUIREMENTS, i.e., ACCELERATOR, ETC.

THE GENERAL CONTRACTOR SHALL COORDINATE ALL WORK INVOLVED WITH INSTALLING ALL ITEMS OF THIS SYSTEM WITH HIS SUBCONTRACTORS.

ALL HANGERS SHALL BE PER NFPA REQUIREMENTS.

FIRE SPRINKLER PIPE SHALL BE CARBON STEEL. CPVC IS NOT ACCEPTABLE. ALL MATERIAL SHALL BE UL LISTED AND/OR FM GLOBAL APPROVED. PIPE HANGER MATERIAL AND METHODS SHALL BE IN COMPLIANCE WITH NFPA 13.

THE RENOVATED AREAS SHALL BE CONNECTED TO THE BUILDING'S FIRE ALARM SYSTEM.

PROVIDE A COMPLETE SUPPRESSION SYSTEM IN THE REMODELED AREAS IN COMPLIANCE WITH THE CURRENT MICHIGAN BUILDING CODE (2015), THE MICHIGAN MECHANICAL CODE (2012), THE CURRENT ASSOCIATED NFPA.

PROVIDE A COMPLETE SUPPRESSION SYSTEM IN COMPLIANCE WITH THE CURRENT MICHIGAN BUILDING CODE, THE CURRENT MICHIGAN MECHANICAL CODE, THE CURRENT NFPA CODES.

AS NEEDED, THE CONTRACTOR SHALL OBTAIN OR CONDUCT A HYDRANT FLOW TEST TO EVALUATE THE AVAILABLE WATER SUPPLY AND UTILIZE IN THE SYSTEM DESIGN CALCULATIONS. FLOW TEST SHALL NOT BE OLDER THAN 12 MONTHS.

THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SPRINKLER PIPE ROUTING AND SPRINKLER HEADS LOCATION WITH ALL OTHER TRADES. COORDINATE EACH ROOM'S FINISH SCHEDULE FOR CEILING FINISHES.

AREAS PROTECTED WITH QUICK RESPONSE SPRINKLERS SHALL BE DESIGNED AND LAID-OUT IN ACCORDANCE WITH NFPA 13-2010 EDITION. LIGHT HAZARD PROTECTED ROOMS SHALL BE DESIGNED BASED ON .10 GPM/SQ.FT AND ORDINARY HAZARD PROTECTED ROOMS SUCH AS: MECHANICAL, ELECTRICAL, STORAGE, LAUNDRY AND JANITOR ROOMS SHALL BE DESIGNED BASED ON .15 GPM/SQ.FT.

FIRE SPRINKLER HYDRAULIC CALCULATIONS SHALL INCLUDE DOMESTIC WATER SUPPLY AT THE POINT OF CONNECTION AT THE BASE OF THE SPRINKLER

NEW PIPING SHALL BE INSULATED, MATCHING THE EXISTING.

PROVIDE WET PIPE FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH THE CURRENT NFPA 13.

FE ARMORY - GRAND RAPIDS

RENOVA-

DESIGNED KAB

DRAWN KAB

CHECKED RAB

APPROVED RAB

FOR DATE

RY N APR 2025

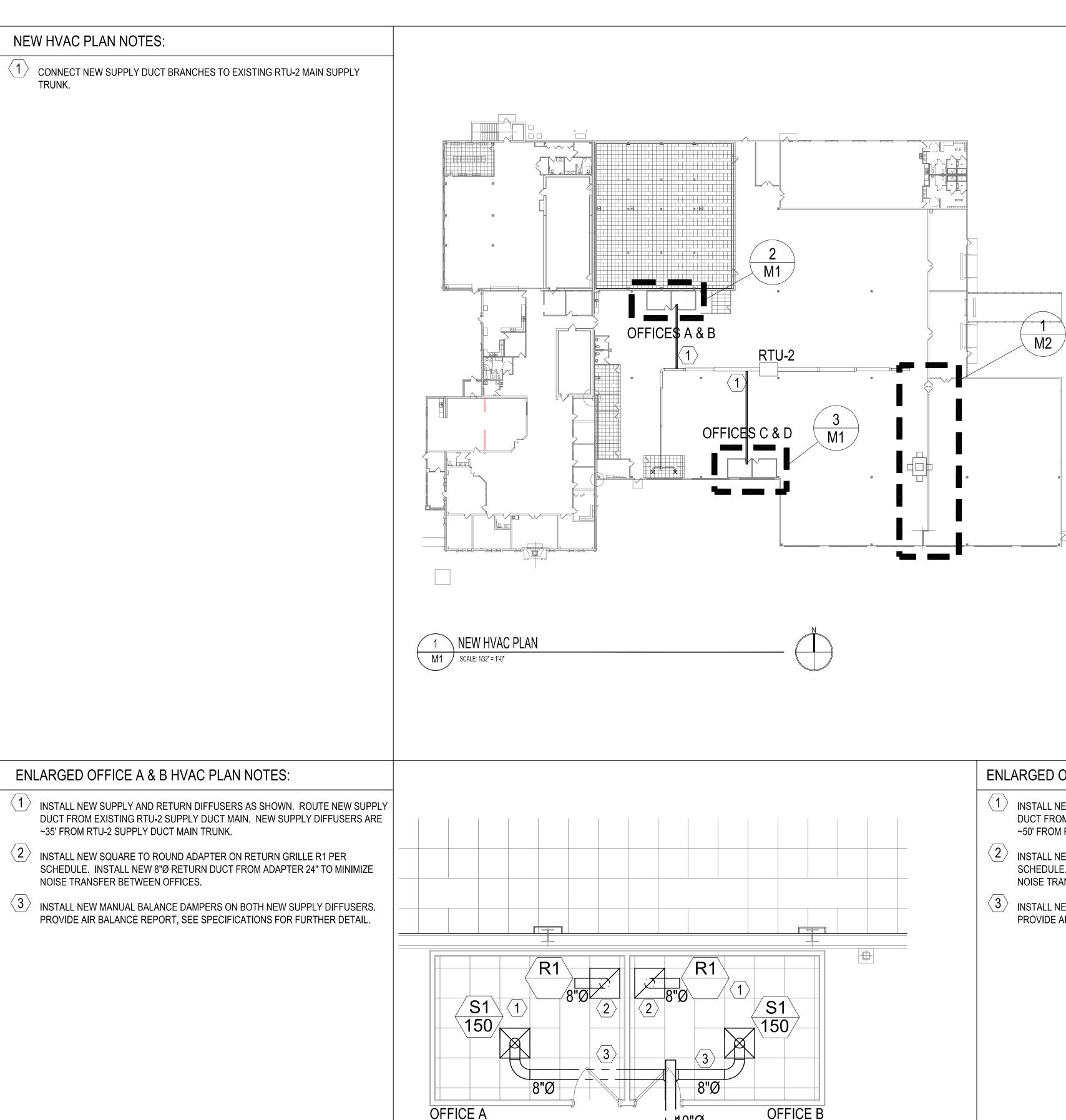
TION NAY 2025

25010 PRELIMINARY CONSTRUCTION FINAL RECORD CONSTRUCTION

IDENTIFICATION NO. PROJECT 26B1325010 INDEX CODE

SHEET ID

KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.



2 ENLARGED OFFICE A & B HVAC PLAN

M1 / SCALE: 1/4" = 1'-0"

CONNECT TO RTU-2 DUCT MAIN ~35'

ENLARGED OFFICE C & D HVAC PLAN NOTES:

- $\langle 1 \rangle$ Install New Supply and return diffusers as shown. Route New Supply DUCT FROM EXISTING RTU-2 SUPPLY DUCT MAIN. NEW SUPPLY DIFFUSERS ARE ~50' FROM RTU-2 SUPPLY DUCT MAIN TRUNK.
- 2 INSTALL NEW SQUARE TO ROUND ADAPTER ON RETURN GRILLE R1 PER SCHEDULE. INSTALL NEW 8"Ø RETURN DUCT FROM ADAPTER 24" TO MINIMIZE NOISE TRANSFER BETWEEN OFFICES.
- install new manual balance dampers on both new supply diffusers. PROVIDE AIR BALANCE REPORT. SEE SPECIFICATIONS FOR FURTHER DETAIL.

GENERAL MECHANICAL NOTES:

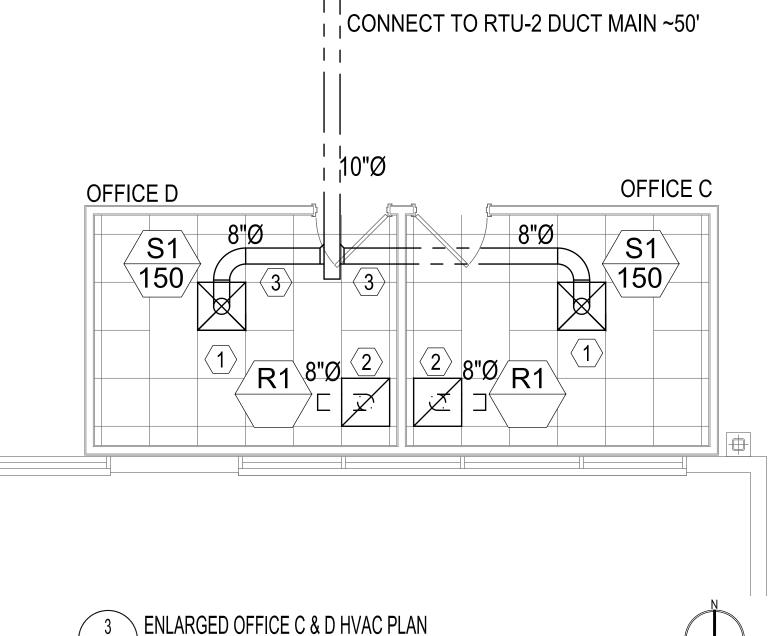
- 1. FIRE CAULK ALL PENETRATIONS THRU MECHANICAL ROOM AND CORRIDOR WALLS.
- 2. PERFORM TEST AND BALANCE PER SPECIFICATIONS.
- 3. CONTRACTOR TO COORDINATE ALL NEW EQUIPMENT STARTUP AND TESTING.
- 4. PROVIDE ALL TRAINING PER SPECIFICATIONS.

FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.

- 5. ALL SUPPLY & RETURN PIPING TO BE INSULATED, SEE SPECIFICATIONS. 6. PROVIDE ACCESS TO ALL REQUIRED PIPING EQUIPMENT. INSTALL ACCESS PANELS AS REQUIRED.
- 7. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT

GENERAL NOTES:

- . CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION.
- 2. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR TO VERIFY CONDITION OF EXISTING CONSTRUCTION. DOCUMENT ANY EXISTING CONDITION THAT COULD BE MISCONSTRUED AS DAMAGED DURING NEW CONSTRUCTION. NOTIFY THE GOVERNMENT OF EXISTING CONDITIONS IN WRITING PRIOR TO THE COMMENCEMENT OF WORK.
- . WHERE NEW CONSTRUCTION ABUTS EXISTING CONSTRUCTION AND APPEARS TO ALIGN FLUSH WITH EXISTING CONSTRUCTION, THE NEW CONSTRUCTION SHALL ALIGN AND BE FLUSH WITH NO VISIBLE JOINT, UNLESS THE MATERIALS OR SUBSTRATES DIFFER; THEN, AN EXPANSION JOINT SHALL BE INSTALLED.
- DRAWINGS ARE NOT TO BE SCALED FOR ANY DIMENSIONS. 5. ALL WORK MUST COMPLY WITH THE DRAWINGS AND SPECIFICATIONS, ANY REVISIONS REQUIRED DUE TO FIELD CONDITIONS MUST BE REVIEWED AND
- APPROVED BY THE PROJECT MANAGER PRIOR TO CONSTRUCTION. B. COORDINATE NEW AND RELOCATE ANY EXISTING CONDUITS, ETC. TO ACCOMMODATE LIGHT FIXTURES, HVAC ACCESSORIES AND VARIOUS DEVICES.
- . PROVIDE ADDITIONAL WIRING, CONDUIT AND ACCESSORIES FOR DEVICES TO BE RELOCATED. AT NO ADDITIONAL COST.
- 8. ALL WALL MOUNTED DEVICES SHALL BE FULLY CONCEALED UNLESS NOTED OTHERWISE.
-). BIDS FOR CONSTRUCTION OF ALL WORK SHOWN ON THE PLANS ARE SOLICITED ON A LUMP SUM BASIS. NO SEPARATE PAYMENT OR ADJUSTMENTS TO THE LUMP SUM BID WILL BE MADE UNLESS SPECIFICALLY INDICATED ON THE PLANS AND IN THE PROPOSAL OR WHEN ADDITIONAL WORK IS AUTHORIZED IN WRITING BY THE ENGINEER.
- 10. THE CONTRACTOR SHALL HAVE A KNOWLEDGEABLE REPRESENTATIVE ON SITE AT ALL TIMES DURING WORK UNDER THIS CONTRACT. THIS REPRESENTATIVE SHALL HAVE ON SITE, HIS OWN COPY OF THE CONTRACT SPECIFICATIONS, DRAWINGS AND DMVA APPROVED SHOP DRAWINGS.
- 11. CONTRACTOR TO SCHEDULE AND COORDINATE ALL SHUT-DOWNS WITH ARMORY PERSONNEL.
- 12. CONTRACTOR TO FOLLOW SPECIFICATION FOR RECYCLING PROCEDURES. 13. ALL PUMPS LOCATED IN THE BOILER/MECHANICAL ROOM MUST BE ACCESSIBLE FROM THE GROUND WITHOUT THE USE OF A LADDER.



M1 / SCALE: 1/4" = 1'-0"

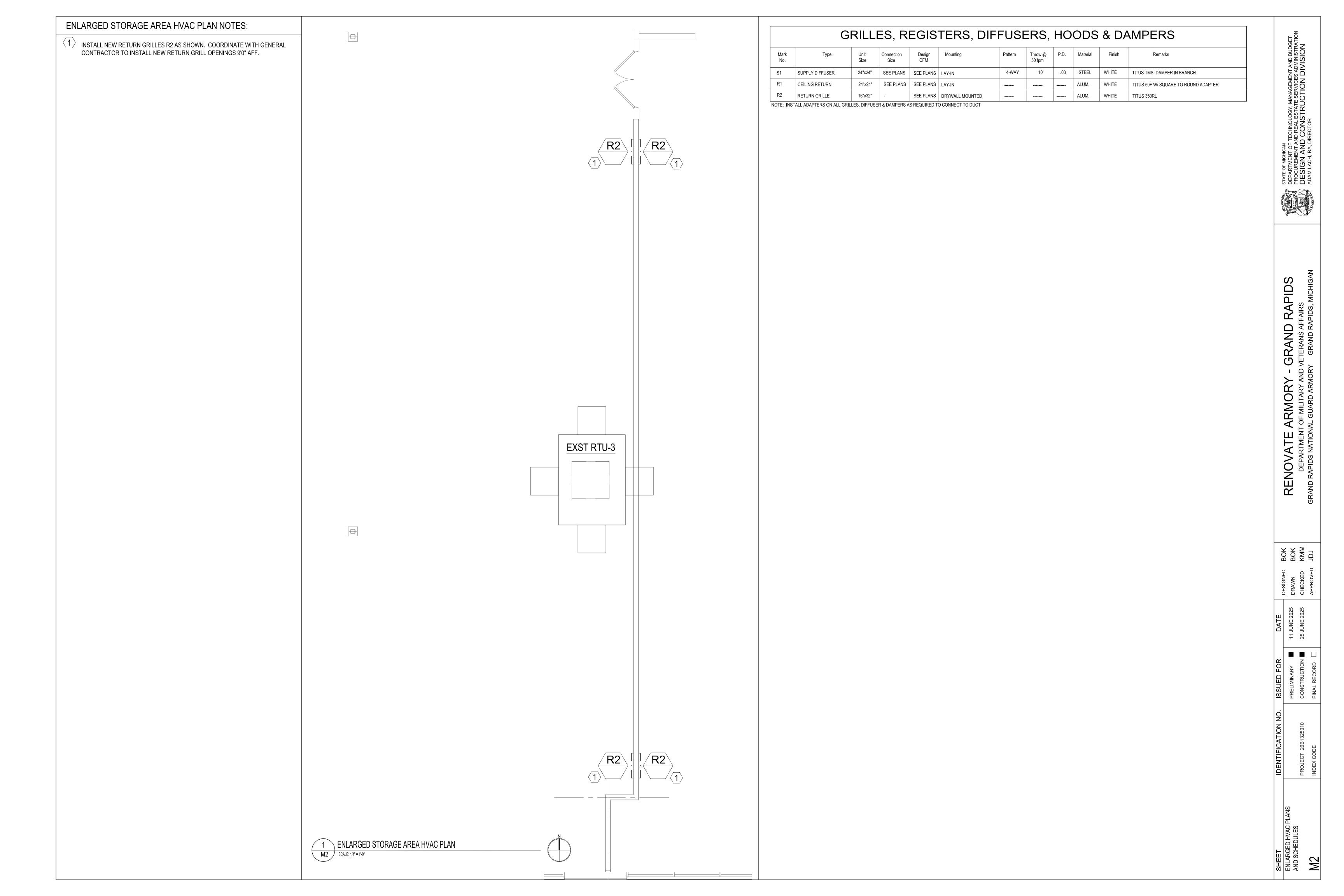
STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
PROCUREMENT AND REAL ESTATE SERVICES ADMINISTRATIO
DESIGN AND CONSTRUCTION DIVISION
ADAM LACH, RA, DIRECTOR

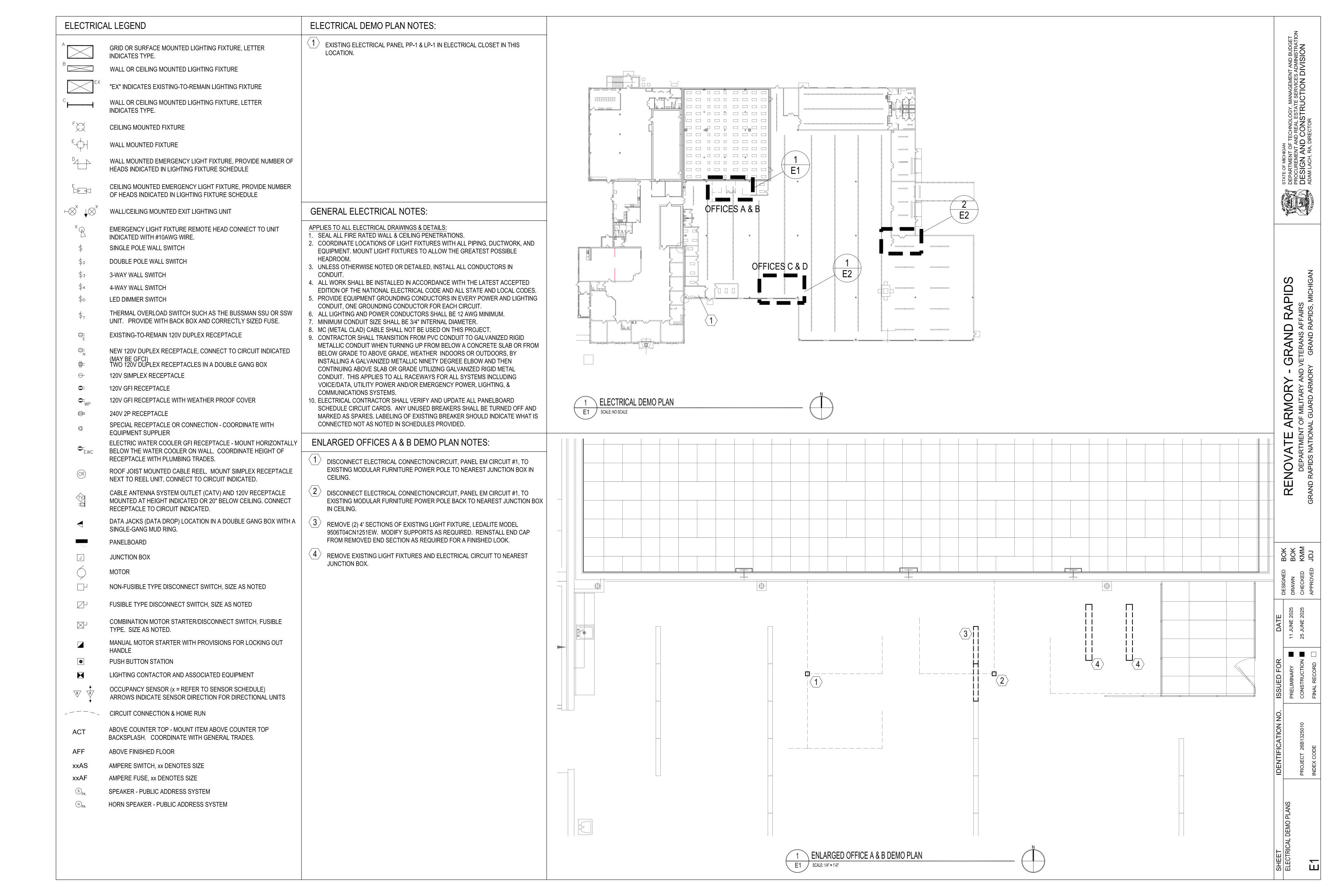
RAPID8 GRAND ARMOR

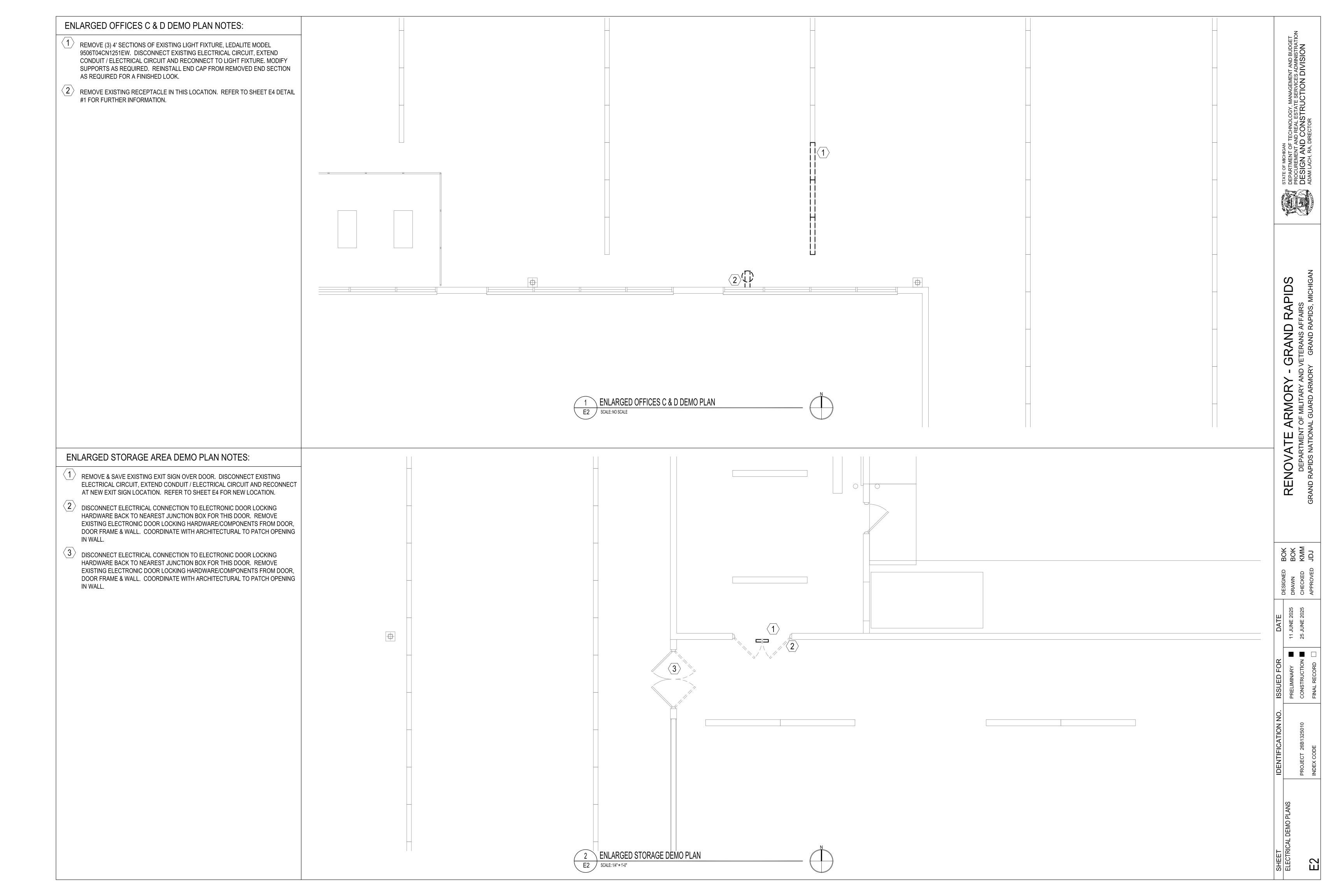
RENOVATE DEPARTMENT

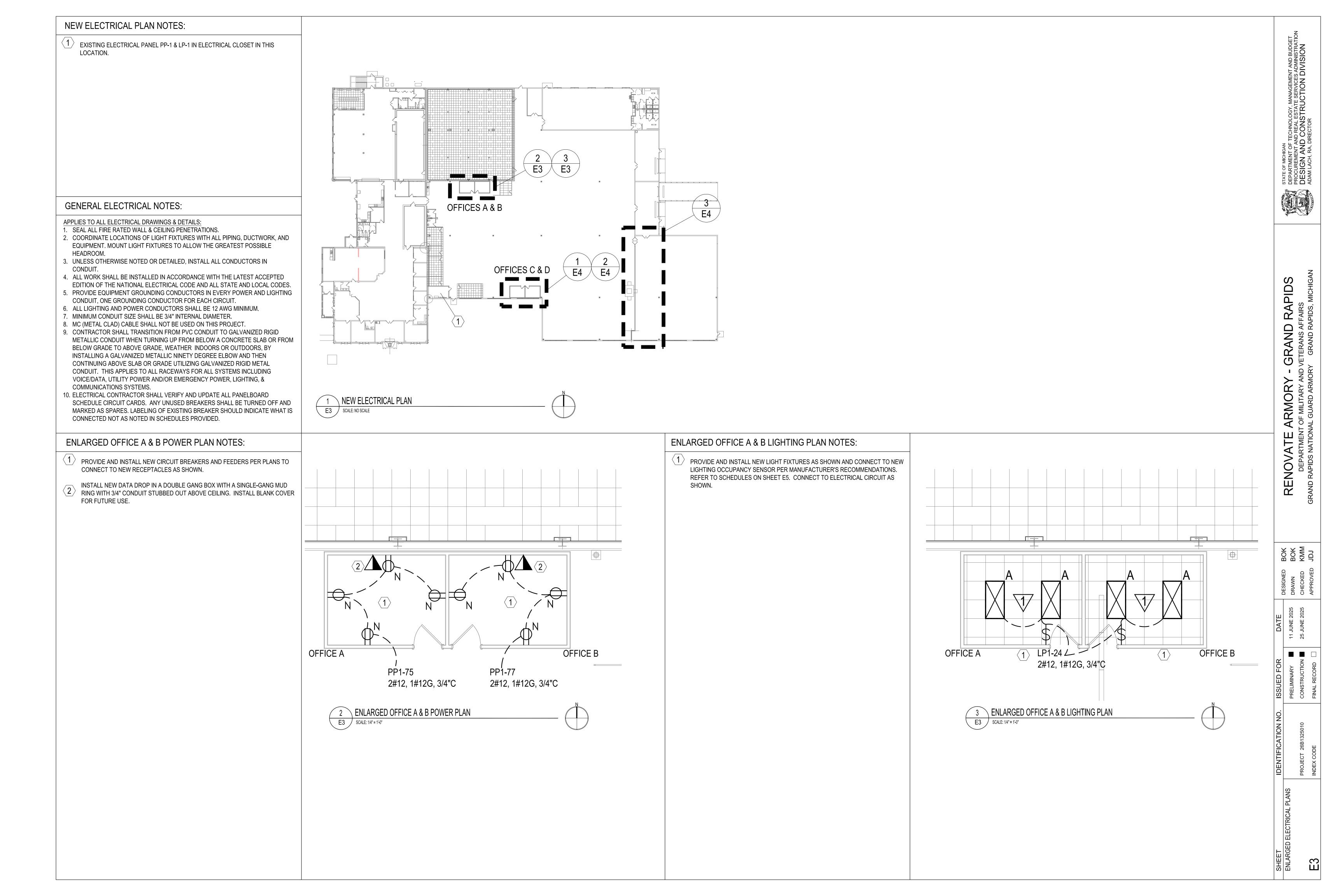
BOK BOK KMM JDJ

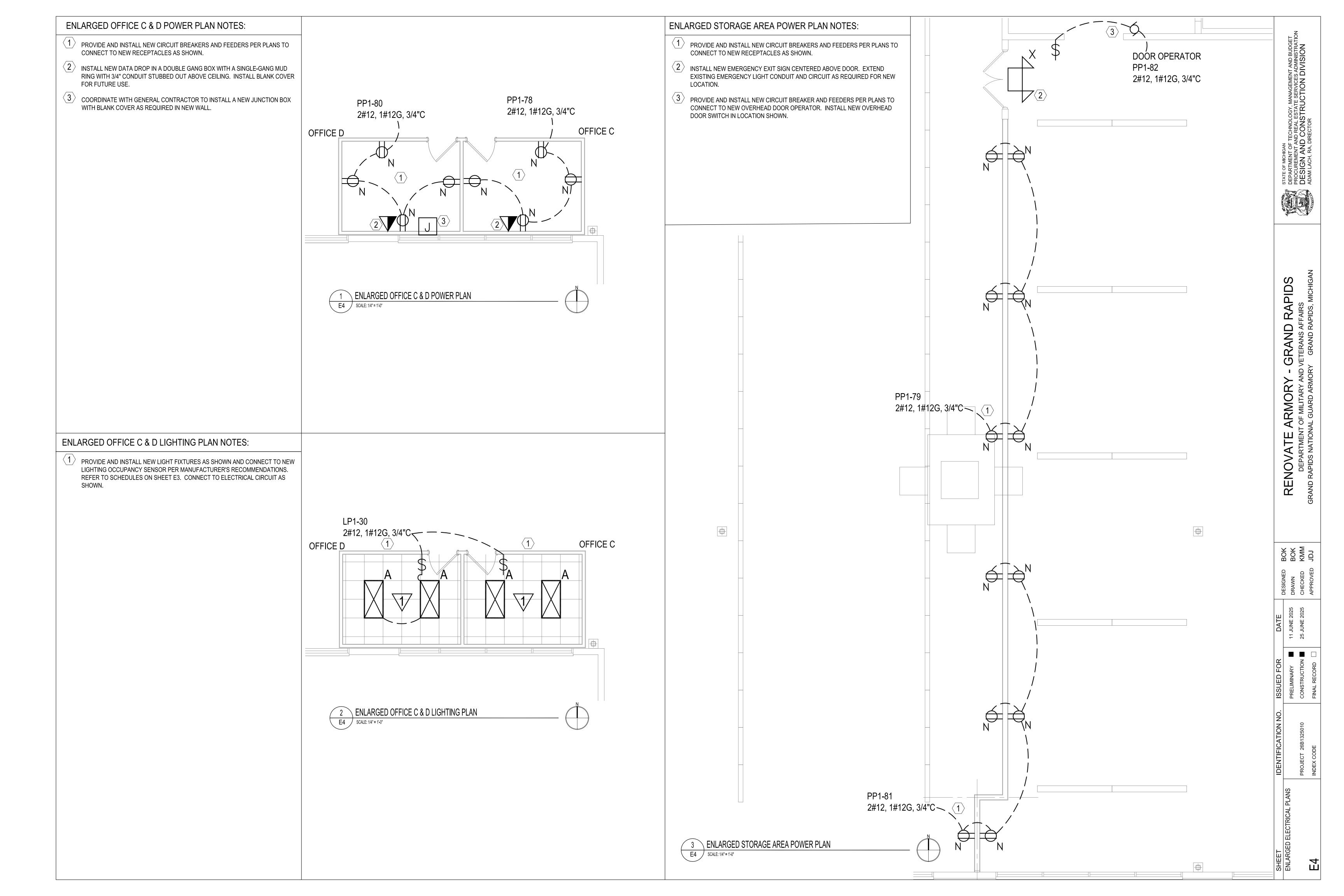
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		LIGHTING FIXTURE SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPS	MOUNTING HT.	REMARKS	NOTES
А	LED 2X4 TROFFER	H.E. WILLIAMS, INC. #HETLG-S24-L57/850-FP-L60-DRV-UNV 36w	W/UNIT 5000K	GRID MOUNT	120V OPERATION	1,2
Х	LED EXIT LIGHT, GREEN LETTERS WITH EMERGENCY BATTERY PACK	H.E. WILLIAMS, INC. #EXIT-G-EM-WHT-OPTIONS-SDT-D	LED W/UNIT	SURFACE MOUNT	120V OPERATION, BATTERY BACK-UP	1

LIGHTING FIXTURE SCHEDULE NOTES:

. CONTRACTOR MAY SUBSTITUTE LIGHTING FIXTURES BY OTHER MANUFACTURERS IF EQUAL IN ALL RESPECTS. SUBMIT SHOP DRAWING FOR ALL SUBSTITUTIONS.

2. PROVIDE INTERNAL SLOW BLOW FUSING IN EACH FIXTURE.

	LIGHTING CONTROL & OCCUPANCY SENSOR SCHEDULE							
SYMBOL	MOUNTING LOCATION	MANUFACTURER & CAT. NO.	TECHNOLOGY	NOTES				
1	CEILING MOUNT	CURRENT LIGHTING # OMNI-IR-L-RP	INFRARED TECHNOLOGY	1,2,3				

LIGHTING CONTROL & OCCUPANCY SENSOR SCHEDULE NOTES:

1. CONTRACTOR SHALL PROVIDE PRODUCTS FOR THE LIGHTING CONTROL SYSTEM MANUFACTURED BY HUBBELL CONTROL SOLUTIONS. PRODUCTS BY OTHER MANUFACTURERS MAY BE

SUBSTITUTED IF EQUAL IN ALL RESPECTS, OTHERWISE PROVIDE THE UNIT SPECIFIED. SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL CONTROLS INTENDED FOR INSTALLATION.

PROVIDE WITH LIGHTING FIXTURE CIRCUIT CONTROL RELAY (POWER PACK) AND LOW-VOLTAGE POWER SUPPLY.
 PROVIDE WITH ISOLATED RELAY OUTPUT CONTACTS FOR CONTROL SIGNAL TO HVAC CIRCUITS.

1. NEW CIRCUIT BREAKERS (INDICATED IN BOLD) SHALL BE 10kAIC RATED.

		EXISTING PANEL PP-	1				_							
VOLTAGE	RA	TING - 208Y/120V, 3-PH, 4 WIRE	BUSS A	AMPS -	400A									
		PANEL AREA 105	MOUNT	ING - S	URFACE									
		ΓBREAKER -												
		Q STYLE PANELBOARD	1								1			
CKT. BR		DESCRIPTION	LOAD	AØ	BØ		CKT.		KR	DESCRIPTION	LOAD	AØ	BØ	CØ
NO. A	<u>P</u>		VA	VA	VA	VA	NO.	A	Р		VA	VA	VA	VA
1 20		SW WAREHOUSE OUTLETS	900	900	000		2	20		REFRIGERATOR OUTLET	360	360	1000	
3 20		SE WAREHOUSE OUTLETS	900		900	700	4	20		COFFEE STATION OUTLET	1000		1000	000
5 20		E WAREHOUSE OUTLETS	720	000		720	6	20		DISHWASHER	900	000		900
7 20		INBOUND OUTLETS	900	900	000		8	20		TV VAULT WALL OUTLET	900	900	000	
9 20 11 20		OUTBOUND OUTLETS N WAREHOUSE OUTLETS	900 360		900	360	10 12	20		CONDENSATE PUMP OUTLET POWER POLES	900 720		900	720
		S OFFICE OUTLETS	900	900		360	14	20		POWER POLES	720	720		720
13 20 15 20		COLUMN OUTLETS	720	900	720		16	20		POWER POLES	720	720	720	
17 20		COLUMN OUTLETS	720		720	720	18	20		POWER POLES	720		720	720
19 20		POWER POLE OUTLETS	720	720		120	20	20	l	POWER POLES	720	720		720
21 20		POWER POLE OUTLETS	720	120	720		22	20		POWER POLES	720	720	720	
23 20		POWER POLE OUTLETS	720		120	720	24	20		POWER POLES	720		120	720
25 20		RTU & ELECTRIC ROOM OUTLETS	900	900	İ	720	26	20		POWER POLES	720	720		720
27 20		WATER HEATER	1000	300	1000		28	20		POWER POLES	720	720	720	
29 20		CONFERENCE ROOM OUTLETS	900		1000	900	30	20		POWER POLES	720		120	720
31 20		OVERHEAD DOORS	360	360		000	32	20		POWER POLES	720	720		120
33 20		ADT OUTLETS	900	000	900		34	20		POWER POLES	720	. 20	720	
35 20		DATA CLOSET OUTLET	360		000	360	36	20		POWER POLES	720		, 20	720
37 20		OUTDOOR OUTLET	900	900			38	20		BATHROOM GFCI & DRINKING FOUNTAIN	1000	1000		
39 20		SPARE	0		0		40	20		SOUTH OFFICE OUTLETS	1080		1080	
41 20		FIRE PROTECTION	360			360	42	20		SOUTH OFFICE OUTLETS	1080			1080
43		VALUE DILL#2	3230	3230			44				2220	2220		
45 30	2	VAULT RTU #2	3230		3230		46	30	3	RTU #4	2220		2220	
47		VAULT RTU #4	3230			3230	48				2220			2220
49 30	2	VAULT RTU #4	3230	3230			50				3468	3468		
51 30	2	VAULT RTU #6	3230		3230		52	50	3	COMPACTOR	3468		3468	
53	2	VAOLI KIO #0	3230			3230	54				3468			3468
55 30	2	VAULT RTU #5	3230	3230			56				2220	2220		
57		WAGET TATO #5	3230		3230		58	50	3	RTU #8	2220		2220	
59 30	2	VAULT RTU #3	3230			3230	60				2220			2220
61		VAGETIATO #5	3230	3230			62				2220	2220		
63 30	2	VAULT RTU #1	3230		3230		64	50	3	RTU #9	2220		2220	
65		11.02.1.1.0.1.1	3230			3230	66				2220			2220
67 40	2	OFFICE HEATER	1000	1000			68	20		SOUTH HAND DRYER	1000	1000		
69			1000		1000		70	20	1	NORTH HAND DRYER	1000		1000	
71 20		FIRE ALARM DEDICATED	360			360	72				720			720
73 20		PRINTER / FAX OUTLET	360	360			74	20	3	POWER POLES IT DEPT	720	720		
75 20		OFFICE A OUTLETS	900		900	000	76		_		720		720	000
77 20		OFFICE B OUTLETS	900	000		900	78	20		OFFICE C OUTLETS	900	000		900
79 20		STORAGE & COMMON AREA OUTLETS	900	900	000		80	20		OFFICE D OUTLETS	900	900	700	
81 20	1	STORAGE & COMMON AREA OUTLETS	900		900	^	82	20	1	OVERHEAD DOOR	780		780	
83		TOTAL C AVA	0	00700	20000	0	84			TOTAL 0. 0.4	0	47000	40400	0
		TOTALS (VA	<i>'</i>	20760	20860	18320	ł			TOTALS (VA	•		18488	17328
		TOTALS (A	166	173	174	153	l			TOTALS (A	() 149	149	154	144
I														

PANEL TOTAL (VA) 11
PANEL TOTAL (A) 3

			TING - 208Y/120V, 3-PH, 4 WIRE PANEL AREA 105		AMPS - 2 TNG - SU		
			F BREAKER -			/ 	-
			Q STYLE PANELBOARD				
CKT.				LOAD	AØ	ВØ	C
NO.	Α	Р	DESCRIPTION	VA	VA	VA	VA
1	20	1	DEAD CARD STORAGE	1720	1720		
3	20	1	DEAD CARD STORAGE	1720		1720	
5	20	1	DEAD CARD STORAGE	1720			172
7	30	1	INBOUND & OUTBOUND STORAGE	1376	1376		
9	20	1	OFFICE, ELECTRIC ROOM & BATHROOMS	1720		1720	
11	20	1	VAULT ROW 1	1720			172
13	20	1	VAULT ROW 2	1702	1702		
15	20	1	VAULT ROW 3 & 5	1720		1720	
17	20	1	VAULT ROW 4	1720			172
19	20	1	SOUTH OFFICE	1720	1720		
21			OUTDOOD DOLE LIGHTS	1720		1720	
23	20	1	OUTDOOR POLE LIGHTS	1720			172
25	20	•	DINC WALL DACKS	1720	1720		
27	20	2	BUILDING WALL PACKS	1720		1720	
29			OD A DE	0			0
31	20	2	SPARE	0	0		
33	00	_	CDARE	0		0	
35	20	2	SPARE	0			0
37	20	1	SPARE	0	0		
39	20	1	OUTDOOR LIGHTING CONTACTOR CONTROL	1720		1720	
41			SPACE	0			0
				,			
2	30	1	MAIN AREA LIGHTS ROW 1	1280	1280		
4	20	1	MAIN AREA LIGHTS ROW 1	1664		1664	
6	20	1	MAIN AREA LIGHTS ROW 2	1280			128
8	20	1	MAIN AREA LIGHTS ROW 2	1280	1280		
10	20	1	MAIN AREA LIGHTS ROW 3	1280		1280	
12	20	1	MAIN AREA LIGHTS ROW 3	1280			128
14	20	1	MAIN AREA LIGHTS ROW 4	1792	1792		
16	20	1	MAIN AREA LIGHTS ROW 4	1792		1792	
18	20	1	MAIN AREA LIGHTS ROW 4	1792			179
20	20	1	MAIN AREA LIGHTS ROW 5	1792	1792		
22	20	1	MAIN AREA LIGHTS ROW 5	1792		1792	
24	20	1	OFFICES A & B LIGHTS	144			14
26	20	1	MAIN AREA LIGHTS ROW 6	1792	1792		
28	20	1	MAIN AREA LIGHTS ROW 6	1792		1792	
30	20	1	OFFICES C & D LIGHTS	144			14
32	20	1	MAIN AREA LIGHTS ROW 7	1792	1792		
34	20	1	MAIN AREA LIGHTS ROW 7	1792		1792	
36	20	1	SPARE	0			0
38	20	1	MAIN AREA LIGHTS ROW 8	1792	1792		
40	20	1	MAIN AREA LIGHTS ROW 8	1792		1792	
42	20	1	SPARE	0		1102	0
-14			TOTALS (VA)		19758	22224	115
			TOTALS (VA)				96
			171716 770	149	165	185	ur

ARMORY BUILDING - BUILDING LOAD REMOVAL & ADDITION SUMMARY

SHEET E1 & E2 LOAD CHANGE BALANCE SHEET E3 & E4 LOAD CHANGE BALANCE

NET LOAD ADDED NET AMPS ADDED @ 208V, 3Ø, 13.5 Amps

GRAND RAPIDS ARMORY - BUILDING LOADS & ELECTRICAL SYSTEM SIZE BUILDING MAIN SERVICE GEAR SIZE: 2000 AMPERE BUS 3Ø AVERAGE PEAK DEMAND LOAD MEASURED:

ADDITION OF 13.5 AMPERES TO THE MAIN ELECTRICAL GEAR SHOULD NOT HINDER THE OPERATION OF THE BUILDING'S ELECTRICAL SYSTEM. BASED ON THE ABOVE CALCULATIONS, CHANGING THE MAIN SWITCHBOARD SIZE WAS/IS DEEMED UNNECESSARY.

- 1,620 W

+ 6,468W

RENOVATE ARMORY - GRAND RAPIDS

DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
RAND RAPIDS NATIONAL GUARD ARMORY GRAND RAPIDS, MICHIGA