LIGHTING SCHEDULE 1 2

NO.	MFR	MODEL	QTY	VOLT	WATT	LUMEN	COLOR	DIM	CONTROL	NOTES
1a	LITHONIA	2BLT4 40L ADPT EZ1 LP835 NLTAIR2 RES7PDT	78	MVOLT	30.5	4000	35K	1%	LLLC	2X4
1b	LITHONIA	2BLT4 40L ADPT EZ1 LP835 NLTAIR2 RES7PDTEM	16	MVOLT	30.5	4000	35K	1%	LLLC	EMERGENCY FIXTURE
2a	LITHONIA	2BLT2 40L ADPT EZ1 LP835 NLTAIR2 RES7PDT	3	MVOLT	31.0	4000	35K	1%	LLLC	2X2
2b	LITHONIA	2BLT2 40L ADPT EZ1 LP835 NLTAIR2 RES7PDTEM	3	MVOLT	31.0	4000	35K	1%	LLLC	EMERGENCY FIXTURE
3a	LITHONIA	BLT4 40L ADPT EZ1 LP835 NLTAIR2 RES7PDT	23	MVOLT	32.1	4000	35K	1%	LLLC	1X4
3b	LITHONIA	BLT4 40L ADPT EZ1 LP835 NLTAIR2 RES7PDTEM	14	MVOLT	32.1	4000	35K	1%	LLLC	EMERGENCY FIXTURE
4a	LITHONIA	LSIX 4FT 4000LM 80CRI 35K FFR SWL MIN1 ZC MVOLT MW NLTAIR2 APDT	38	MVOLT	33.3	4000	35K	1%	LLLC	0.5X4
4b	LITHONIA	LSIX 4FT 4000LM 80CRI 35K FFR SWL MIN1 ZC MVOLT MW NLTAIREM2 APDT	35	MVOLT	33.3	4000	35K	1%	LLLC	EMERGENCY FIXTURE
5	LITHONIA	LSIX 2FT 2000LM 80CRI 35K FFR SWL MIN1 ZC MVOLT MW NLTAIR2 APDT	9	MVOLT	17.0	2000	35K	1%	LLLC	0.5X2
6a	MARK	S2PD LCB 4FT MSL4 90CRI 35K 300LMF SCT MIN1 FLL MVOLT WHTT NLTAIR2 APDT F1/ 36A RDCY WHTCY WRCD	4	MVOLT	9.52	1200	35K	1%	LLLC	PENDANT (4')
6b(1)	MARK	SR2D LOP 14FT 0D TG 90CRI 35K 300LMF WW SCT MIN1 FLL MVOLT WHTT NLTAIR2 APDT7 SAPDT7	1	MVOLT	36.12	4200	35K	1%	LLLC	RECESSED (14')
6b(2)	MARK	SR2D LOP 8FT 0D FL 90CRI 35K 300LMF WG SCT MIN1 FLL MVOLT WHTT NLTAIR2 APDT8	2	MVOLT	20.64	2400	35K	1%	LLLC	RECESSED (8')
6b(3)	MARK	SR2D LOP 8FT 0D FL 90CRI 35K 300LMF WG SCT MIN1 FLL MVOLT WHTT 1EC NLTAIR2 APDT8	2	MVOLT	20.64	2400	35K	1%	LLLC	RECESSED (8') EMERGENCY
6b(4)	MARK	S2RD LOP 4FT 0D TG 90CRI 35K 300LMF SCT MIN1 FLL MVOLT WHTT NLTAIR2 APDT4	2	MVOLT	10.32	1200	35K	1%	LLLC	RECESSED (4')
6c	MARK	S2SD LCB 4FT MSL4 90CRI 35K 300LMF SCT MIN1 FLL MVOLT WHTT NLTAIR2 APDT	6	MVOLT	9.52	1200	35K	1%	LLLC	SURFACE (4')
7	VISA LIGHTING	MASQUE CB6250 L35K(H) MVOLT x x	29	MVOLT	21.0	1300	35K	0-10V	0-10V	WALL SCONCE
8	EUREKA	ORELIA 4004 LED 35 90 277V DV S10 xx WHE FRO 3983	4	277	3.7	371	35K	0-10V	0-10V	PENDANT
9a	EUREKA	ATOLL ROUND 4850DI-B 24 LED LED 35 90 277 NLTAIR2 x AC x x x WHE WH WHE	2	277	19.3/19.3	1884/2728	35K	0-10V	WIRELESS	24" FIXTURE WITH EMBEDDED CONTROLS
9b	EUREKA	ATOLL ROUND 4850DI-B 36 LED LED 35 90 277 NLTAIR2 x AC x x x WHE WH WHE	1	277	28.4/28.4	3779/4021	35K	0-10V	WIRELESS	36" FIXTURE WITH EMBEDDED CONTROLS
10	LITHONIA	CSS L48 ALO3 MVOLT MIN10 ZT SWW3 80CRI	3	MVOLT	30	4360	35K	0-10V	NO	UTILITY STRIP LIGHT
11	REMPHOS	RP-LBL-G1-4F-15W-40K-WC	3	MVOLT	15	1344	35K	NO	NO	UNDER COUNTER LIGHT
12	MARK	MGLSW 18IN 80CRI 35K 1500LM MIN1 EGLD MVOLT FLT WHTT NLTAIR2	1	MVOLT	18	1500	35K	1.00%	LLLC	DOWNLIGHT

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LIGHTSWITCH SCHEDULE 1 2

NO.	MFR	MODEL	QTY	NOTES
1	ACUITY	RPODLA DX MVOLT WH G2	27	ONE POLE WITH DIMMING
2	ACUITY	RPODLA 2P DX MVOLT WH G2	41	TWO POLE WITH DIMMING
3		NOT USED		
4	ACUITY	RPODD WH G2	1	BATTERY ONE POLE (NO DIMMING)
5	ACUITY	NWSXA PDT LV WH	3	ONE POLE BUILT-IN OCC SENSOR

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EXIT SIGNS 1 2

MFR	MODEL	QTY	NOTES
LITHONIA	EDGR W x x	12	FIELD DETERMINE SINGLE OR DOUBLE FACE. USE RED ON CLEAR OR RED ON MIRROR.

EQUIPMENT SCHEDULE 2

EQUIPMENT NAME	MANUFACTURER	PART NUMBER	QTY	VOLT	AMPS	CONFIG	DESCRIPTION
MCB-N2P3B3	SQUARE D	NQ442L2C	1	240	225	3Φ, 4W	REUSED PANELBOARD (42-POLE)
	SQUARE D	MH50	1				REUSED TYPE 1 ENCLOSURE (20"Wx50"Hx5.75"D)
	SQUARE D	NC50S	1				REUSED TYPE 1 ENCLOSURE COVER
	SQUARE D	NQMB2Q	1				REUSED MAIN BREAKER KIT
	SQUARE D	**QDL32150**	**1**	**240**	**150**	**3P**	**MAIN BREAKER**
	SQUARE D	**QOB120**	**35**	**120/240**	**20**	**1P**	**BOLT ON CB**
	SQUARE D	**QOB130**	**1**	**120/240**	**30**	**1P**	**BOLT ON CB**
MCB-N2P4B3	SQUARE D	NQ442L2C	1	240	225	3Φ, 4W	REUSED PANELBOARD (42-POLE)
	SQUARE D	MH50	1				REUSED TYPE 1 ENCLOSURE (20"Wx50"Hx5.75"D)
	SQUARE D	**NC50SHR**	**1**				**TYPE 1 ENCLOSURE COVER (HINGED)**
	SQUARE D	**NQMB2Q**	**1**				**MAIN BREAKER KIT**
	SQUARE D	**QDL32125**	**1**	**240**	**125**	**3P**	**MAIN BREAKER**
	SQUARE D	QOB120	16	120	20	1P	REUSED BOLT ON CB
	SQUARE D	**QOB120**	**16**	**120/240**	**20**	**1P**	**BOLT ON CB**
MCB-N2P4B2	**SIEMENS**	**QP BREAKER**	**13**	**120**	**20**	**1P**	**PLUG-IN CB**
MCBN4P4B2	**EATON**	**PRL2X3100X18C**	**1**	**480/277**	**100**	**3Φ, 4W**	**PANELBOARD (18-POLE)**
	EATON	**EZB2036R**	**1**				**TYPE 1 ENCLOSURE (20"Wx36"Hx5.75"D)**
	EATON	**EZT2036S**	**1**				**TYPE 1 ENCLOSURE COVER (HINGED)**
	EATON	**GHB1020**	**8**	**277**	**20**	**1P**	**BOLT ON CB**
	EATON	**GHB3020**	**1**	**480/277**	**20**	**3P**	**BOLT ON CB**
	EATON	**GHB3060**	**1**	**480/277**	**60**	**3P**	**BOLT ON CB**
MCB-E4P4B3	**EATON**	**PRL2X3100X42C**	**1**	**480/277**	**100**	**3Φ, 4W**	**PANELBOARD (42-POLE)**
	EATON	**EZB2048R**	**1**				**TYPE 1 ENCLOSURE (20"Wx48"Hx5.75"D)**
	EATON	**EZT2048S**	**1**				**TYPE 1 ENCLOSURE COVER (HINGED)**
	EATON	**4180B05H01**	**1**				**MAIN BREAKER COVER**
	EATON	**BKG2G100**	**1**	**480/277**	**100**	**3P**	**MAIN BREAKER & KIT**
	EATON	**GHB1020**	**20**	**277**	**20**	**1P**	**BOLT ON CB**
	EATON	**GHB3015**	**4**	**480/277**	**15**	**3P**	**BOLT ON CB**
MCB-NDP4C2	**EATON**	**DG321UGB**	**1**	**240**	**30**	**3P**	**DISCONNECT (6.38"Wx10.69"Hx3.75"D)**
MCB-NDP4B4	**EATON**	**DG321UGB**	**1**	**240**	**30**	**3P**	**DISCONNECT (6.38"Wx10.69"Hx3.75"D)**
MCBNT3B3	**HAMMOND POWER SOLUTIONS**	**SG3A0045KB**	**1**	**480-208/120**	**45KVA**	**Δ-Y**	**XFMR (28.8"Wx28.8"Hx23.8"D)**
MCBNT4B3	**HAMMOND POWER SOLUTIONS**	**SG3A0045KB**	**1**	**480-208/120**	**45KVA**	**Δ-Y**	**XFMR (28.8"Wx28.8"Hx23.8"D)**

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3. FIELD VERIFY EXISTING CONDITIONS RELATED TO SCOPE OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT CHANGE THE SCOPE OF WORK.
4. ALL EQUIPMENT AND PARTS CURRENTLY EXISTING IN THE FIELD ARE TO REMAIN UNLESS OTHERWISE NOTED.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR WALL TYPES. PATCH AND PAINT AS REQUIRED TO REPAIR DAMAGE FROM WORK.
6. REFERENCE STRUCTURAL DRAWINGS FOR ALL PENETRATIONS AND SUPPORTS. SEAL ALL PENETRATIONS.
7. PROVIDE SUBMITTALS TO OWNER FOR ALL PARTS AND EQUIPMENT PRIOR TO FINALIZING ORDER.

KEYED NOTES

1. ELECTRICAL CONTRACTOR TO COORDINATE FIXTURE FINISHES AND MOUNTING HEIGHTS/POSITIONS WITH ARCHITECT AND INTERIOR DESIGNER VIA SUBMITTAL PROCESS.
2. ELECTRICAL CONTRACTOR TO VERIFY COUNTS AND ENSURE ALL PARTS AND PIECES ARE ORDERED FOR A FULL AND COMPLETE INSTALLATION.

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EQUIPMENT & LIGHTING SCHEDULES

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LIGHTING CONTROL SEQUENCE OF OPERATION

ROOM TYPE	CONTROL TYPE										
	ZONE CONTROL	PHOTOCELL (AS APPLICABLE)	OCCUPANCY SENSOR				TIMECLOCK	OCC SENSOR	WALLSTATIONS	EMERGENCY DEVICES	DEMAND RESPONSE
			ON OPERATION	OFF OPERATION	TIMEOUT BUSINESS HOURS	TIMEOUT OFF HOURS					
PRIVATE OFFICE < 250SF	REFER TO PLANS	50FC	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF	TIMECLOCK/ SCHEDULING TO SET CONTROL PROFILES FOR BUSINESS HOURS AND AFTERHOURS OPERATION	LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM CONTROL	FOR LIGHTS DENOTED ON PLANS AS EMERGENCY, PROVIDE UL924 DEVICE(S) TO AUTOMATICALLY TURN ON LIGHTS TO FULL BRIGHTNESS UPON LOSS OF NORMAL POWER OR FIRE ALARM SYSTEM ACTIVATION. UNDER NORMAL CONDITIONS, ALL EMERGENCY LIGHTS SHALL BE CONTROLLED IN THE SAME MANNER AS THE NEARBY NORMAL POWER LIGHTS	N/A
SUPPORT ROOM		N/A	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		EITHER WALLSTATION OR OVERHEAD	TYPICAL: LOW VOLTAGE COMBINATION OCCUPANCY SENSOR WALL STATION WITH ON/OFF CONTROL. CONFIRM WITH OWNER		
KITCHENETTE/BREAK		N/A	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM CONTROL		
RESTROOM/LOCKERROOM		N/A	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM CONTROL		
STAIRS		25FC	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF	20 MIN TO 50%	10 MIN TO 10%		LLLC FIXTURES	TIED TO MASTER LOW VOLTAGE WALL STATION WITH ON/OFF CONTROL LOCATED WITH NLIGHT PANEL		
INSTRUMENT ROOM		N/A	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		EITHER WALLSTATION OR OVERHEAD	TYPICAL: LOW VOLTAGE COMBINATION OCCUPANCY SENSOR WALL STATION WITH ON/OFF CONTROL. CONFIRM WITH OWNER		
STORAGE		N/A	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		EITHER WALLSTATION OR OVERHEAD	TYPICAL: LOW VOLTAGE COMBINATION OCCUPANCY SENSOR WALL STATION WITH ON/OFF CONTROL. CONFIRM WITH OWNER		
CONFERENCE ROOM		40FC	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM SCENE CONTROL. WALL STATIONS TO PROVIDE BUTTONS FOR ALL ON, ALL OFF, AND SEPARATE DIMMING CONTROL OF EACH CONTROL ZONE. PROVIDE CONTROL FUNCTIONALITY TO CONTROL EACH ZONE INDEPENDENTLY. COORDINATE WITH OWNER FOR SCENE SETTINGS.		
RECEPTION		25FC	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 50%	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM CONTROL		
CLASSROOM, LAB, RESEARCH		50FC	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 50% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM SCENE CONTROL. WALL STATIONS TO PROVIDE BUTTONS FOR ALL ON, ALL OFF, AND SEPARATE DIMMING CONTROL OF EACH CONTROL ZONE. PROVIDE CONTROL FUNCTIONALITY TO CONTROL EACH ZONE INDEPENDENTLY. COORDINATE WITH OWNER FOR SCENE SETTINGS.		
OPEN OFFICE		50FC	AUTOMATIC OCCUPANCY ON TO 80% OR MANUAL OVERIDE ON TO 80%	AUTOMATIC OCCUPANCY OFF OR MANUAL OVERIDE OFF	20 MIN TO 10% 60 MIN TO OFF	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM CONTROL		
CORRIDOR		N/A	AUTOMATIC OCCUPANCY ON TO 80%	AUTOMATIC OCCUPANCY OFF	20 MIN TO 40%	10 MIN TO 10% 15 MIN TO OFF		LLLC FIXTURES	TIED TO MASTER LOW VOLTAGE WALL STATION WITH ON/OFF CONTROL LOCATED WITH NLIGHT PANEL		
LOBBY		25FC	AUTOMATIC OCCUPANCY ON TO 80%	AUTOMATIC OCCUPANCY OFF	20 MIN TO 40%	10 MIN TO 10%		LLLC FIXTURES	LOW VOLTAGE WALL STATION WITH ON/OFF/DIM CONTROL		
EXTERIOR		N/A	LIGHTS SHALL BE AUTOMATICALLY TURNED ON AT DUSK TO 100%	LIGHTS SHALL BE AUTOMATICALLY TURNED OFF AT DAWN	N/A	N/A		N/A	TIED TO MASTER LOW VOLTAGE WALL STATION WITH ON/OFF CONTROL LOCATED WITH NLIGHT PANEL		

BUSINESS HOURS 7:00AM TO 8:00PM M-F

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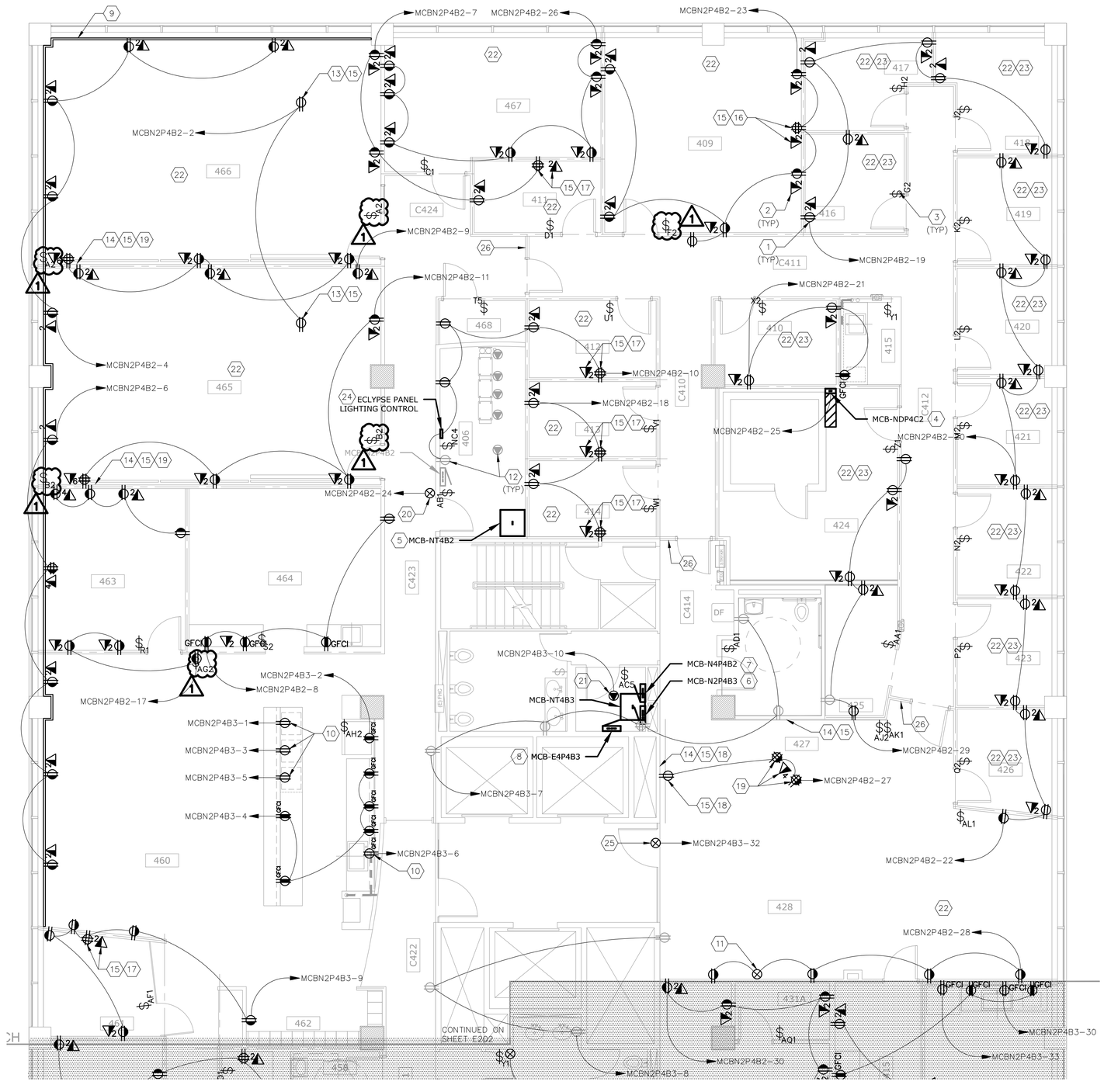
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1 4TH FLOOR NORTH - FLOOR PLAN - INSTALL
3/16" = 1'-0"

18" 3' 5' 10'

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7. PROVIDE SUBMITTALS TO OWNER FOR ALL PARTS AND EQUIPMENT PRIOR TO FINALIZING ORDER.
8. INSTALL ALL RECEPTACLES (POWER AND DATA) AND BOXES AT 18" AFF TO TOP OF BOX UNLESS OTHERWISE NOTED.
9. INSTALL ALL SWITCHES AT 42" AFF TO TOP OF BOX UNLESS OTHERWISE NOTED.

KEYED NOTES (#)

1. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW POWER RECEPTACLE. REFERENCE DETAIL 1 ON E500 FOR CONTROLLED RECEPTACLES.
2. ELECTRICIAL CONTRACTOR TO FURNISH AND INSTALL 1-GANG BOX 3/4" CONDUIT THAT STUBS OUT TO ABOVE THE SUSPENDED CEILING. TELECOM CONTRACTOR TO FURNISH AND INSTALL NEW DATA RECEPTACLE AND ASSOCIATED CABLING. SUBSCRIPT NUMBER DENOTES MINIMUM NUMBER OF PHYSICAL PORTS. TELECOM CONTRACTOR TO CONFIRM NUMBER OF PORTS TO ACTIVATE WITH OWNER.
3. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW LIGHTSWITCH. COORDINATE PROGRAMMING WITH NLIGHT REPRESENTATIVE AND OWNER.
4. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A NEW, 120V, 1P, 20A DISCONNECT. HARDWIRE THE SOUND-PROOF BOOTH INTO THE DISCONNECT.
5. ELECTRICAL CONTRACTOR TO INSTALL PREVIOUSLY DEMOED TRANSFORMER TO DIRECT FEED PANEL MCB-N2P4B2B. REFERENCE PANEL SCHEDULES AND ONE-LINES FOR MORE INFORMATION.
6. ELECTRICAL CONTRACTOR TO INSTALL PREVIOUSLY DEMOED PANEL R-4-2. FURNISH AND INSTALL NEW BREAKERS AS NEEDED AND RELABEL. REFERENCE PANEL SCHEDULES AND ONE-LINES FOR MORE INFORMATION.
7. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW 480/277V, 3 PHASE, 4 WIRE PANEL MCB-N4P4B2. MINIMUM RATING OF 70A WITH A MINIMUM OF 30 POLES.
8. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW 480/277V, 3 PHASE, 4 WIRE PANEL MCB-E4P4B3. MINIMUM RATING OF 40A WITH A MINIMUM OF 30 POLES.
9. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW WIREMOLD.
10. INSTALL UNDER COUNTER.
11. ELECTRICAL CONTRACTOR TO PROVIDE DIRECT CONNECTION TO LED STRIP LIGHTING SYSTEM OF ACCENT WALL. COORDINATE CONNECTION AND DUPLEXES IN THE AREA WITH ARCHITECTURAL.
12. EXISTING POWER RECEPTACLE. ELECTRICAL CONTRACTOR TO REFEED AS NECESSARY.
13. MOUNTED IN SUSPENDED CEILING.
14. ELECTRICAL CONTRACTOR TO INSTALL 1-GANG BOX WITH 1" CONDUIT THAT STUBS OUT ABOVE THE SUSPENDED CEILING.
15. CONFIRM EXACT LOCATION WITH A/V.
16. MOUNT AT 5' AFF TO CENTER.
17. MOUNT AT 4' AFF TO CENTER.
18. MOUNT AT 5' 6" AFF TO CENTER.
19. RECEPTACLES TO BE MOUNTED UNDER THE DESK AND FED FROM WALL VIA ENCLOSED RACEWAY. CONFIRM EXACT LOCATION WITH ARCHITECTURAL.
20. ELECTRICAL CONTRACTOR TO PROVIDE DIRECT CONNECTION TO CONDENSATE PUMP ABOVE THE CEILING. COORDINATE WITH MECHANICAL.
21. ELECTRICAL CONTRACTOR TO PROVIDE DIRECT CONNECTION TO TERMINAL UNITS TRANSFORMER. COORDINATE WITH MECHANICAL.
22. RECEPTACLES IN THIS ROOM ARE REQUIRED TO BE TAMPER-RESISTANT.
23. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A 1-GANG BOX WITH 1" CONDUIT THAT STUBS OUT ABOVE THE SUSPENDED CEILING FOR CAMERA INSTALLATION. COORDINATE WITH OWNER FOR EXACT LOCATION.
24. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ECLYPSE LIGHTING CONTROL PANEL. COORDINATE WITH LIGHTING CONTROLS VENDOR AND TELECOM COORDINATOR FOR EXACT LOCATIONS AND CONNECTIONS.
25. ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR NEW ADA COMPLIANT AUTO-OPENER.
26. ELECTRICAL CONTRACTOR TO PREP DOOR FOR FUTURE CARD READER WITH A 1-GANG BOX AND 3/4" CONDUIT TO ABOVE THE SUSPENDED CEILING. COORDINATE EXACT LOCATION OF BOX WITH ARCHITECTURAL AND ACCESS CONTROL CONTRACTOR.
27. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW 480V TO 208/120V, 45KVA TRANSFORMER TO FEED PANEL MCB-N2P4B3.

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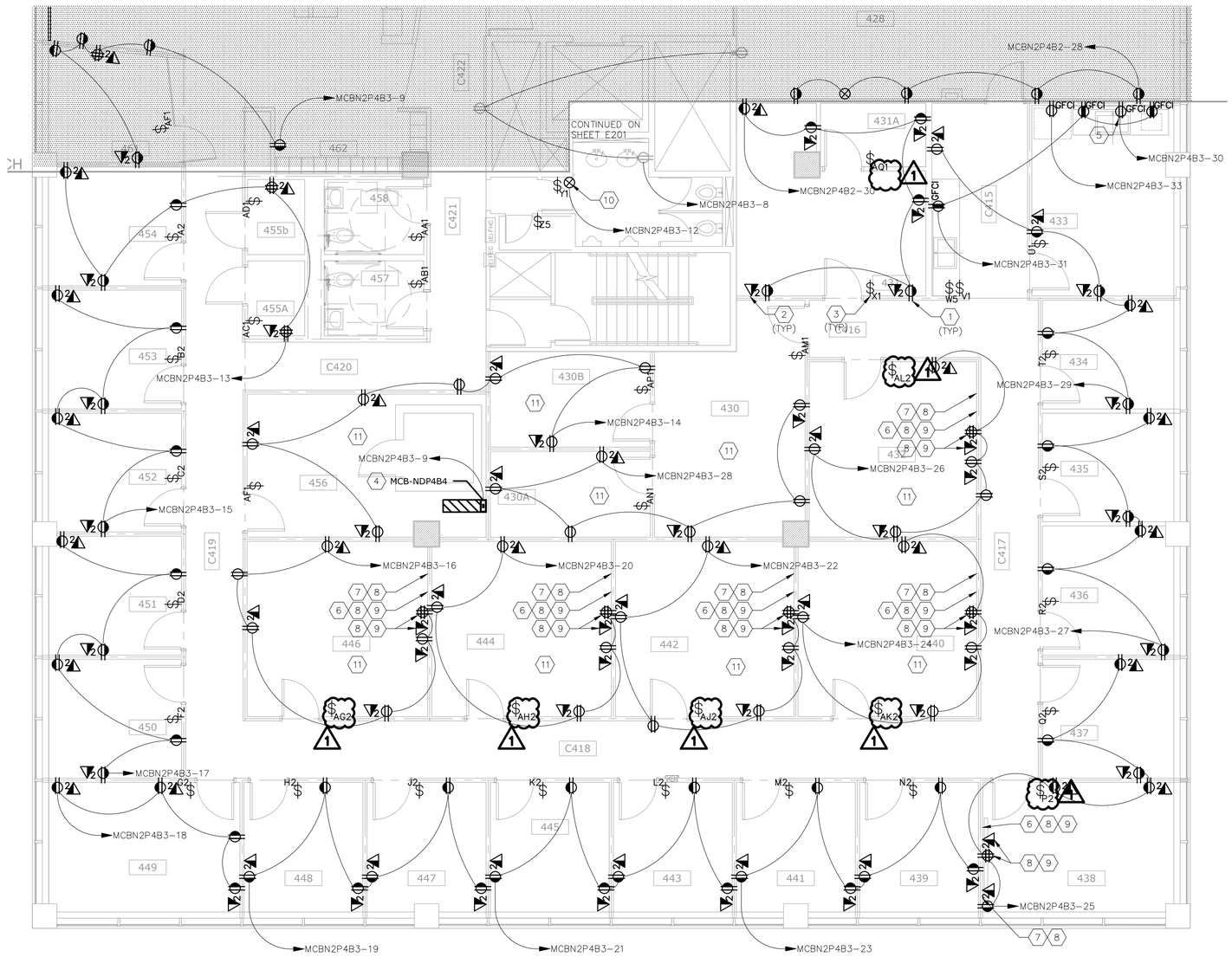
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POWER & DATA 4TH FLR NORTH INSTALL PLAN

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1 4TH FLOOR SOUTH - FLOOR PLAN - INSTALL
3/16" = 1'-0"

18" 3' 5' 10'

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KEYED NOTES (#)

1. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW POWER RECEPTACLE. REFERENCE DETAIL 1 ON E500 FOR CONTROLLED RECEPTACLES.
2. ELECTRICIAL CONTRACTOR TO FURNISH AND INSTALL 1-GANG BOX 3/4" CONDUIT THAT STUBS OUT TO ABOVE THE SUSPENDED CEILING.
   TELECOM CONTRACTOR TO FURNISH AND INSTALL NEW DATA RECEPTACLE AND ASSOCIATED CABLING. SUBSCRIPT NUMBER DENOTES MINIMUM NUMBER OF PHYSICAL PORTS. TELECOM CONTRACTOR TO CONFIRM NUMBER OF PORTS TO ACTIVATE WITH OWNER.
3. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW LIGHTSWITCH. COORDINATE PROGRAMMING WITH NLIGHT REPRESENTATIVE AND OWNER.
4. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A NEW, 120V, 1P, 20A DISCONNECT. HARDWIRE THE SOUND-PROOF BOOTH INTO THE DISCONNECT.
5. INSTALL UNDER COUNTER.
6. ELECTRICAL CONTRACTOR TO INSTALL 1-GANG BOX WITH 1" CONDUIT THAT STUBS OUT ABOVE THE SUSPENDED CEILING.
7. ELECTRICAL CONTRACTOR TO INSTALL 3-GANG BOX WITH 1" CONDUIT THAT STUBS OUT ABOVE THE SUSPENDED CEILING. MOUNT AT SWITCH HEIGHT.
8. CONFIRM EXACT LOCATION WITH A/V.
9. MOUNT AT 5' AFF TO CENTER.
10. ELECTRICAL CONTRACTOR TO PROVIDE DIRECT CONNECTION TO FIRE SMOKE DAMPER. COORDINATE WITH MECHANICAL.
11. RECEPTACLES IN THIS ROOM ARE REQUIRED TO BE TAMPER-RESISTANT.

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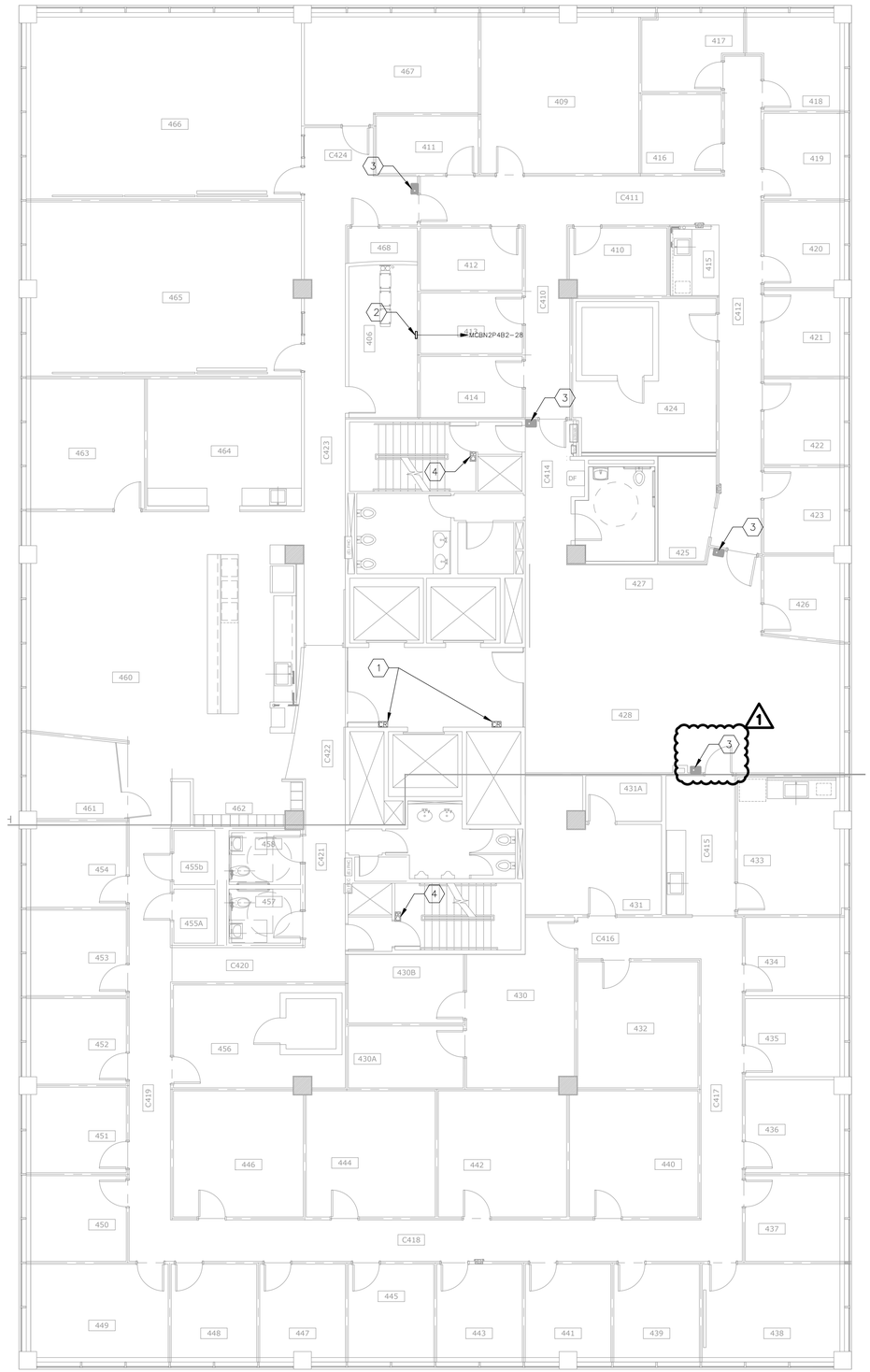
Sheet Title :

POWER & DATA 4TH FLR SOUTH INSTALL PLAN

Revisions :	Date :
REVISION 01	11/03/2026

Drawn : JWW Checked : JWW

Sheet # : **E202**



1 4TH FLOOR - FLOOR PLAN - INSTALL
1/8" = 1'-0"

2' 4' 8' 16'

GENERAL NOTES

1. PRIOR TO INITIATING AND PERFORMING WORK, COORDINATE CONSTRUCTION AND ANY REQUIRED OUTAGES WITH PSU.
2. ALL ELECTRICAL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE CODES.
3. FIELD VERIFY EXISTING CONDITIONS RELATED TO SCOPE OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT CHANGE THE SCOPE OF WORK.
4. ALL EQUIPMENT AND PARTS CURRENTLY EXISTING IN THE FIELD ARE TO REMAIN UNLESS OTHERWISE NOTED.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR WALL TYPES. PATCH AND PAINT AS REQUIRED TO REPAIR DAMAGE FROM WORK.
6. REFERENCE STRUCTURAL DRAWINGS FOR ALL PENETRATIONS AND SUPPORTS. SEAL ALL PENETRATIONS IN ALIGNMENT WITH ACOUSTICAL DESIGN.
7. PROVIDE SUBMITTALS TO OWNER FOR ALL PARTS AND EQUIPMENT PRIOR TO FINALIZING ORDER.
8. INSTALL ALL RECEPTACLES (POWER AND DATA) AND BOXES AT 18" AFF TO TOP OF BOX UNLESS OTHERWISE NOTED.
9. INSTALL ALL SWITCHES AT 42" AFF TO TOP OF BOX UNLESS OTHERWISE NOTED.

KEYED NOTES ⟨#⟩

1. ACCESS CONTROL CONTRACTOR TO FURNISH AND INSTALL NEW CARD READER. COORDINATE EXACT LOCATION WITH ARCHITECT.
2. ACCESS CONTROL CONTRACTOR TO FURNISH AND INSTALL NEW ACCESS CONTROL PANEL AND ASSOCIATED BOARDS.
3. FUTURE CARD READER LOCATIONS. ACCESS CONTROL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR AND ARCHITECT TO PREPARE AREA FOR FUTURE INSTALL.
4. EXISTING CARD READER. ACCESS CONTROL CONTRACTOR TO ENSURE FUNCTIONALITY REMAINS.

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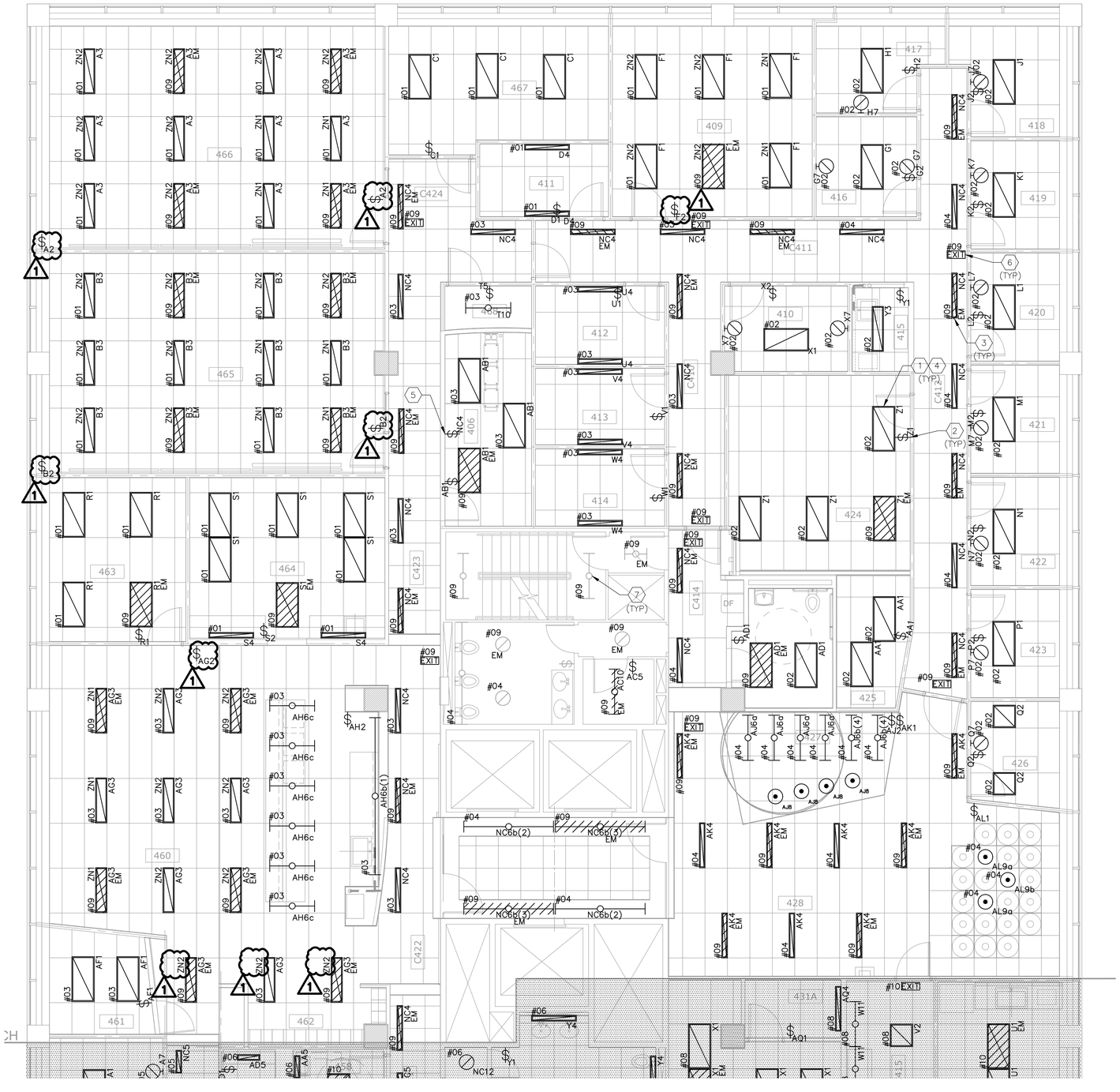
Sheet Title :

ACCESS CONTROL 4TH FLOOR

Revisions :	Date :
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Drawn : JWW Checked : JWW

Sheet # : **E203**



1 4TH FLOOR NORTH - CEILING PLAN - INSTALL
3/16" = 1'-0"

18" 3' 5' 10'

GENERAL NOTES

1. PRIOR TO INITIATING AND PERFORMING WORK, COORDINATE CONSTRUCTION AND ANY REQUIRED OUTAGES WITH PSU.
2. ALL ELECTRICAL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE CURRENT NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE CODES.
3. FIELD VERIFY EXISTING CONDITIONS RELATED TO SCOPE OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT CHANGE THE SCOPE OF WORK.
4. ALL EQUIPMENT AND PARTS CURRENTLY EXISTING IN THE FIELD ARE TO REMAIN UNLESS OTHERWISE NOTED.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR WALL TYPES. PATCH AND PAINT AS REQUIRED TO REPAIR DAMAGE FROM WORK.
6. REFERENCE STRUCTURAL DRAWINGS FOR ALL PENETRATIONS AND SUPPORTS. SEAL ALL PENETRATIONS.
7. PROVIDE SUBMITTALS TO OWNER FOR ALL PARTS AND EQUIPMENT PRIOR TO FINALIZING ORDER.

KEYED NOTES (#)

1. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW LIGHT FIXTURE. REFERENCE SPECIFICATIONS FOR TYPES. COORDINATE WITH LIGHTING CONTROLS. COORDINATE WITH ARCHITECTURAL FOR ANY FINISHES AND LENGTHS.
2. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL NEW LIGHTSWITCH. INSTALL AT 42" TO TOP OF BOX AFF UNLESS OTHERWISE NOTED. COORDINATE PROGRAMMING WITH NLIGHT REPRESENTATIVE AND OWNER.
3. EMERGENCY LIGHTING CIRCUITS ON THIS DRAWING FED FROM PANEL MCBE4P4B3, CIRCUIT 09.
4. NORMAL LIGHTING CIRCUITS ON THIS FLOOR ARE FED FROM PANEL MCBN4P4B2, CIRCUITS 01, 02, 03, 04.
5. MASTER LIGHTING CONTROL SWITCH FOR ALL LIGHT FIXTURES ON FLOOR WITHOUT LOCAL CONTROL.
6. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL EXIT SIGNS. REFERENCE SPECIFICATIONS FOR TYPES. COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATIONS.
7. ELECTRICAL CONTRACTOR TO REFEED EXISTING LIGHTING FIXTURES AS NEEDED.

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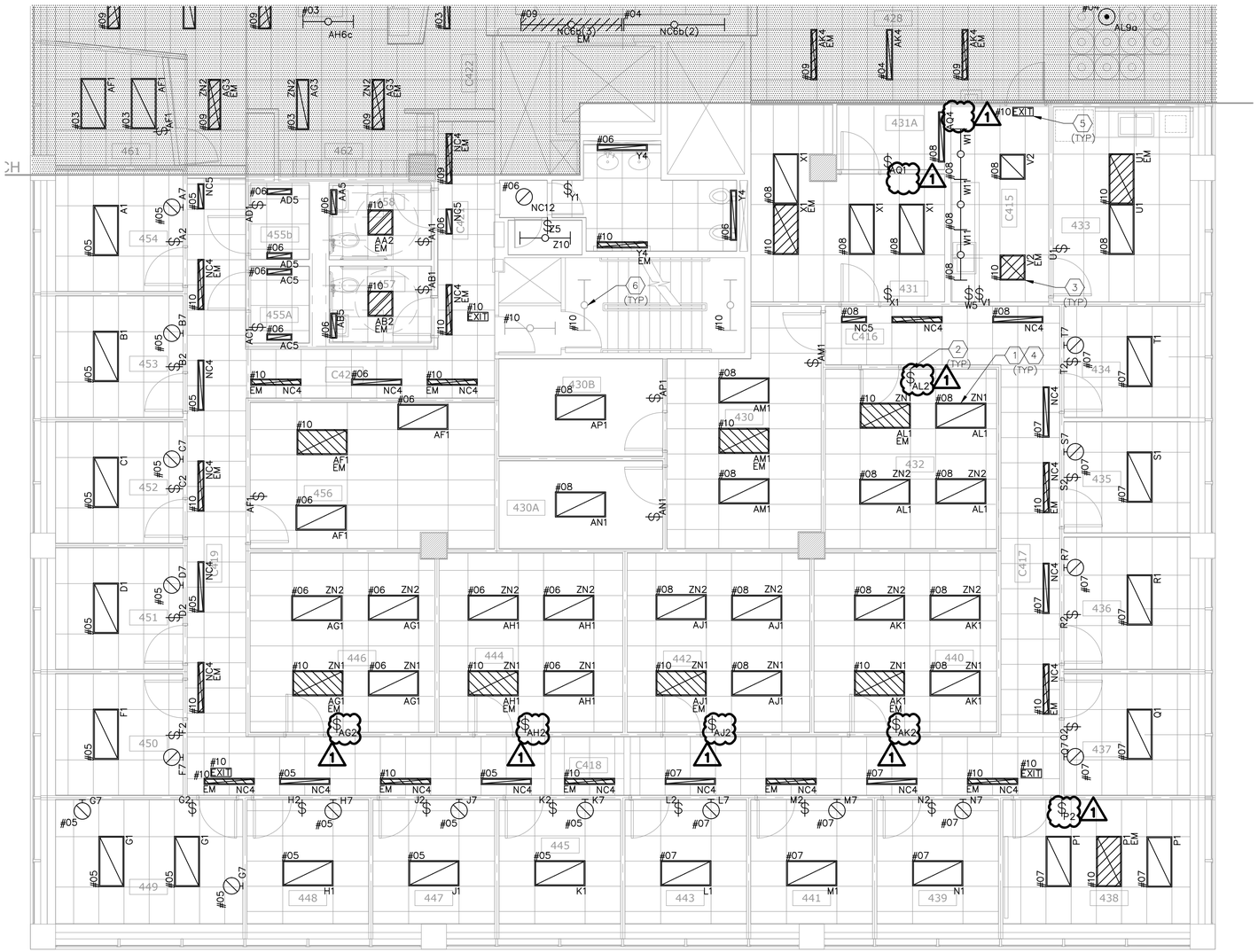
Sheet Title :

LIGHTING 4TH FLR NORTH INSTALL PLAN

Revisions :	Date :
REVISION 01	11/03/2026

Drawn : JWW Checked : JWW

Sheet # : **E211**


#03 AH6c
#09 NC6c(5) EM
#04 NC6b(2)
#09 AK4 EM
#04 AL9a
#03 AF1
#03 AF1
#09 ZN2
#03 AG3 EM
#09 ZN2
#03 AG3 EM
#09 ZN2
#03 AG3 EM
#09 NC4 EM
#06 Y4
#06 NC12
#06 Y1
#06 R5
#06 Z10
#10 Y4 EM
#06 Y4
#06 Y4
#10 EXIT
#08 AQ4
#08 AQ1
#08 W1
#08 V2
#08 V1
#10 V2 EM
#10 U1 EM
#08 U1
#08 X1
#08 X1 EM
#08 X
#08 X
#08 X
#08 X1
#08 W5
#08 V1
#08 NC5
#08 NC4
#08 NC4
#08 AM1
#10 AL1 EM
#08 AL1
#08 ZN1
#08 ZN2
#08 ZN2
#08 AL1
#08 AL1
#08 AM1
#10 AM1 EM
#08 AM1
#08 AP1
#08 AN1
#08 AN1
#06 AF1
#10 AF1 EM
#06 AF1
#06 AF1
#06 AD5
#06 AA5
#10 AA2 EM
#06 AA1
#06 AD5
#06 AC5
#10 AB1
#10 AB2 EM
#06 AC5
#06 AB5
#10 EM NC4
#06 NC4
#10 EM NC4
#06 AG1
#06 ZN2 AG1
#06 ZN2 AG1
#10 ZN1 AG1 EM
#06 ZN1 AG1
#06 ZN2 AH1
#06 ZN2 AH1
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#06 ZN1 AH1
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#08 ZN1 AJ1
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#08 ZN2 AK1
#10 ZN1 AK1 EM
#08 ZN1 AK1
#10 EXIT
#05 NC4
#10 EXIT
#05 NC4
#10 EM NC4
#05 NC4
#10 EM NC4
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PANEL: MCB-N2P3B3

VOLTS: 208 | PHASE: 3 | INTEGRAL TVSS: NO | BUILDING: RMNC
MOUNTING: SURFACE | WIRE: 4 | ISOL GROUND BUS: NO | LOCATION: RM 305
BUS AMPS: 225 | MLO: NO | FEED-THRU LUGS: NO | POWER SOURCE: NORMAL
MAIN AMPS: 150 (1) | MAIN BREAKER: YES | DOUBLE-LUGS: NO | SUPPLY FROM: MCB-NT3B3
KAIC RATING: 22 | OCP TYPE: 80% BREAKER

CKT	POLE	AMP	DESCRIPTION	TYPE	A	B	C	TYPE	DESCRIPTION	AMP	POLE	CKT
1	1	20	LOBBY CANS & BATH RECPS						CLASS RECPS	20	1	2
3	1	20	GEN RECPS						CLASS RECPS	20	1	4
5	1	20	LOCKER RM RCPS						CLASS RECPS	20	1	6
7	1	20	SE OFFICE RECPS						CLASS RECPS	20	1	8
9	1	20	SE OFFICE RECPS						FAX/PRINTER RECPS	20	1	10
11	1	20	SE OFFICE RECPS						COPIER RECPS	20	1	12
13	2	20	MICROWAVE						GENERAL RECPS	20	1	14
15	2	20	MICROWAVE						VENDING MACHINE	20	1	16
17	2	20	MICROWAVE						VENDING MACHINE	20	1	18
19	2	20	MICROWAVE						VENDING MACHINE	20	1	20
21	2	20	MICROWAVE						VENDING MACHINE	20	1	22
23	2	20	MICROWAVE						TRAINING RM FLOOR PEDS	20	1	24
25	1	20	VENDING MACHINE						TRAINING RM FLOOR PEDS	20	1	26
27	1	20	VENDING MACHINE						TRAINING RM FLOOR PEDS	20	1	28
29	1	20	VENDING MACHINE						CONFERENCE RM FLOOR PEDS	20	1	30
31	1	30	ICE MACHINE						TRAINING RM FLOOR PEDS	20	1	32
33	1	20	EXERCISE RM						POWER POLE SOUTH END	20	1	34
35	1	20	ELECTRIC RM RECPS						FIRE ALARM STROBE PANEL	20	1	36
37			METERED DATA	C	10.09							38
39			METERED DATA	C		9.38						40
41			METERED DATA	C			7.66					42
SPECIAL PANEL FEATURES					10.09 KVA	9.38 KVA	7.66 KVA	CIRCUITING NOTES				
PROVIDE HINGED COVER & MAIN BREAKER					48.50 A	45.09 A	36.82 A	{SB} = SUBFEED CIRCUIT BREAKER				
					37%	35%	28%	METERED DATA FROM 08/17/2026 THRU 09/17/2026				

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND/ADJUSTED	LOAD TYPE KEY	PANEL TOTALS	KVA	AMPS
R	0.00	100%	0.00	R = RECEPTACLE, NEC 220.44			
L	0.00	125%	0.00	L = LTG COMMERCIAL, NEC 220.42	TOTAL CONNECTED LOAD:	27.12	75.38
M	0.00	100%	0.00	M = MOTOR	TOTAL DEMAND LOAD:	33.91	94.23
LM	0.00	25%	0.00	LM = LARGEST MOTOR	SPARE CAPACITY:	20.07	55.77
N	0.00	100%	0.00	N = NON-CONTINUOUS	REQUIRED PANEL CAPACITY:	33.91	94.23
C	27.12	125%	33.91	C = CONTINUOUS			

PANEL: MCB-N4P4B2

VOLTS: 480 | PHASE: 3 | INTEGRAL TVSS: NO | BUILDING: RMNC
MOUNTING: SURFACE | WIRE: 4 | ISOL GROUND BUS: NO | LOCATION: RM 404A
BUS AMPS: 100 | MLO: NO | FEED-THRU LUGS: NO | POWER SOURCE: NORMAL
MAIN AMPS: 100 | MAIN BREAKER: YES | DOUBLE-LUGS: NO | SUPPLY FROM: BUS DUCT
KAIC RATING: 22 | OCP TYPE: 80% BREAKER

CKT	POLE	AMP	DESCRIPTION	TYPE	A	B	C	TYPE	DESCRIPTION	AMP	POLE	CKT
1	1	20	NW QUADRANT LTS	L	1.07 0.80			L	NE QUADRANT LTS	20	1	2
3	1	20	RMS 460, 461 & NW HALL LTS	L		0.91 0.58		L	RM 428, ELE LOBBY, & NE HALL LTS	20	1	4
5	1	20	SW QUADRANT OFFICE/HALL LTS	L			0.70 0.50	L	SE QUADRANT OFFICE/HALL/KITCH LTS	20	1	6
7	1	20	SW QUADRANT LAB/HALL/REST LTS	L	0.55 0.68			L	SE QUADRANT LAB/REST/OFFICE LTS	20	1	8
9												10
11												12
13	3	20	HVAC B1 LEVEL	M	2.22 11.04			SB	MCBN2P4B3	60	3	14
15	3	20	HVAC B1 LEVEL	M		2.22 11.42		SB	MCBN2P4B3	60	3	16
17	3	20	HVAC B1 LEVEL	M			2.22 9.99	SB	MCBN2P4B3	60	3	18
SPECIAL PANEL FEATURES					16.36 KVA	15.13 KVA	13.41 KVA	CIRCUITING NOTES				
PROVIDE HINGED COVER & MAIN BREAKER					34.08 A	31.51 A	27.93 A	{SB} = SUBFEED CIRCUIT BREAKER				
					36%	34%	30%					

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND/ADJUSTED	LOAD TYPE KEY	PANEL TOTALS	KVA	AMPS
R	0.00	100%	0.00	R = RECEPTACLE, NEC 220.44			
L	5.79	125%	7.24	L = LTG COMMERCIAL, NEC 220.42	TOTAL CONNECTED LOAD:	44.89	54.06
M	6.65	100%	6.65	M = MOTOR	TOTAL DEMAND LOAD:	46.34	55.80
LM	0.00	25%	0.00	LM = LARGEST MOTOR	SPARE CAPACITY:	36.70	44.20
N	0.00	100%	0.00	N = NON-CONTINUOUS	REQUIRED PANEL CAPACITY:	46.34	55.80
C	0.00	125%	0.00	C = CONTINUOUS			

PANEL: MCB-N2P4B2

VOLTS: 208 | PHASE: 3 | INTEGRAL TVSS: NO | BUILDING: RMNC
MOUNTING: SURFACE | WIRE: 4 | ISOL GROUND BUS: NO | LOCATION: RM 406
BUS AMPS: 225 | MLO: YES | FEED-THRU LUGS: NO | POWER SOURCE: NORMAL
MAIN AMPS: 160 | MAIN BREAKER: NO | DOUBLE-LUGS: NO | SUPPLY FROM: MCB-NT4B2
KAIC RATING: 22 | OCP TYPE: 80% BREAKER

CKT	POLE	AMP	DESCRIPTION	TYPE	A	B	C	TYPE	DESCRIPTION	AMP	POLE	CKT
1	1	20	DEDICATED RACK PLUG	R	0.50 0.50			R	RM 465 & 466 PROJECTORS	20	1	2
3	1	20	DEDICATED RACK PLUG	R		0.50 0.90		R	NORTHWEST WALL WREMOLD	20	1	4
5	1	20	DEDICATED RACK PLUG	R			0.50 1.08	R	NORTHWEST WALL WREMOLD	20	1	6
7	1	20	RECPS RMS 466, 411	R	0.9 0.72			R	RECPS RM 464	20	1	8
9	1	20	RECPS RMS 466, 465	R		1.26 1.26		R	RECPS RMS 406, 468, 412, ECLYPSE	20	1	10
11	1	20	RECPS RM 465	R			0.90 0.50	R	DEDICATED RACK PLUG	20	1	12
13	2	15	HVAC FAN	M	0.85 0.50			R	DEDICATED RACK PLUG	20	1	14
15	2	15	HVAC FAN	M		0.85 0.5		R	NAC PANEL 4.1	20	1	16
17	1	20	RECPS RM 463	R			1.08 1.08	R	RECPS RM 413, 414	20	1	18
19	1	20	RECPS RMS 416, 417, 418	R	1.08 1.08			R	RECPS RMS 419, 420, 421	20	1	20
21	1	20	RECPS RMS 410, 415	R		0.54 1.26		M	RECPS RMS 422, 423, 426	20	1	22
23	1	20	RECPS RM 409	R			1.44 0.18	R	CONDENSATE PUMP RM 406	20	1	24
25	1	20	DISCONNECT RM 424	N	1.92 1.26			R	RECPS RMS 467	20	1	26
27	1	20	RECPS RM 427 TV & SVC DESK	R		0.90 0.18		C	ACCESS CONTROL PANEL	20	1	28
29	1	20	RECPS RMS C412, 424, 425	R			1.08 1.08	R	RECPS RM 431, 431A	20	1	30
SPECIAL PANEL FEATURES					9.31 KVA	8.15 KVA	8.92 KVA	CIRCUITING NOTES				
					44.77 A	39.20 A	42.88 A	{SB} = SUBFEED CIRCUIT BREAKER				
					35%	31%	34%					

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND/ADJUSTED	LOAD TYPE KEY	PANEL TOTALS	KVA	AMPS
R	21.32	100%	21.32	R = RECEPTACLE, NEC 220.44			
L	0.00	125%	0.00	L = LTG COMMERCIAL, NEC 220.42	TOTAL CONNECTED LOAD:	26.39	73.33
M	2.97	100%	2.97	M = MOTOR	TOTAL DEMAND LOAD:	26.43	73.45
LM	0.00	25%	0.00	LM = LARGEST MOTOR	SPARE CAPACITY:	31.14	86.55
N	1.92	100%	1.92	N = NON-CONTINUOUS	REQUIRED PANEL CAPACITY:	26.43	73.45
C	0.18	125%	0.23	C = CONTINUOUS			

PANEL: MCB-N2P4B3

VOLTS: 208 | PHASE: 3 | INTEGRAL TVSS: NO | BUILDING: RMNC
MOUNTING: SURFACE | WIRE: 4 | ISOL GROUND BUS: NO | LOCATION: RM 404A
BUS AMPS: 225 | MLO: NO | FEED-THRU LUGS: NO | POWER SOURCE: NORMAL
MAIN AMPS: 125 | MAIN BREAKER: YES | DOUBLE-LUGS: NO | SUPPLY FROM: MCB-NT4B3
KAIC RATING: 22 | OCP TYPE: 80% BREAKER

CKT	POLE	AMP	DESCRIPTION	TYPE	A	B	C	TYPE	DESCRIPTION	AMP	POLE	CKT
1	1	20	RM 460 MICROWAVE B	R	1.00 0.50			R	RM 460 FRIDGE	1	20	2
3	1	20	RM 460 MICROWAVE B	R		1.00 0.90		R	RECPS RM 460 COUNTERS	1	20	4
5	1	20	RM 460 MICROWAVE B	R			1.00 1.00	R	RM 460 INSTA-HOT	1	20	6
7	1	20	RECPS RMS 405, 404A, 404, C423	R	0.90 0.54			R	RECPS RMS 428, C422, 403	1	20	8
9	1	20	RECPS RMS 461, 460, 462	R		1.26 0.02		N	RM 404A TU XFMR	1	20	10
11	1	20	RM 456 DISCONNECT	N			1.92 0.03	N	RM 403 FSD	1	20	12
13	1	20	RECPS RMS 454, 455A, 455B	R	1.26 1.26			R	RECPS RMS 430B, 456, C420	1	20	14
15	1	20	RECPS RMS 452, 453	R		1.08 1.26		R	RECPS RMS 446, C419	1	20	16
17	1	20	RECPS RMS 450, 451	R			1.08 0.72	R	RECPS RM 449	1	20	18
19	1	20	RECPS RMS 447, 448	R	1.08 1.08			R	RECPS RM 444	1	20	20
21	1	20	RECPS RMS 443, 445	R		1.08 1.26		R	RECPS RMS 442, C418	1	20	22
23	1	20	RECPS RMS 439, 441	R			1.08 1.08	R	RECPS RM 440	1	20	24
25	1	20	RECPS RMS 437, 438	R	1.44 1.26			R	RECPS RMS 432, C417	1	20	26
27	1	20	RECPS RMS 435, 436	R		1.08 1.08		R	RECPS RMS 430, 430A	1	20	28
29	1	20	RECPS RMS C415, 433, 434	R			1.08 1.00	R	RM 433 INSTA-HOT	1	20	30
31	1	20	RECPS RMS 433,C415 CNTRS	R	0.54 0.18			N	RM 428 AUTO-OPENER	1	20	32
33	1	20	RM 433 FRIDGE	R		0.50 0.90		R	RECPS RM 428 & ACCENT WALL	1	20	34
35												36
37												38
39												40
41												42
SPECIAL PANEL FEATURES					11.04 KVA	11.42 KVA	9.99 KVA	CIRCUITING NOTES				
RELOCATED PANEL FROM ELSEWHERE ON FLOOR					53.08 A	54.90 A	48.03 A	{SB} = SUBFEED CIRCUIT BREAKER				
REQUIRES NEW MAIN BREAKER					34%	35%	31%					

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND/ADJUSTED	LOAD TYPE KEY	PANEL TOTALS	KVA	AMPS
R	30.30	100%	30.30	R = RECEPTACLE, NEC 220.44			
L	0.00	125%	0.00	L = LTG COMMERCIAL, NEC 220.42	TOTAL CONNECTED LOAD:	32.45	90.18
M	0.00	100%	0.00	M = MOTOR	TOTAL DEMAND LOAD:	32.45	90.18
LM	0.00	25%	0.00	LM = LARGEST MOTOR	SPARE CAPACITY:	12.53	34.82
N	2.15	100%	2.15	N = NON-CONTINUOUS	REQUIRED PANEL CAPACITY:	32.45	90.18
C	0.00	125%	0.00	C = CONTINUOUS			

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Sheet Title :

PANEL SCHEDULES INSTALL

Revisions : REVISION 01
Date : 11/03/2026

Drawn : JWW
Checked : JWW

Sheet # : **E402**

PANEL: MCB-E4P4B3

VOLTS: 480 | PHASE: 3 | INTEGRAL TVSS: NO | BUILDING: RMNC
MOUNTING: SURFACE | WIRE: 4 | ISOL GROUND BUS: NO | LOCATION: RM 404A
BUS AMPS: 100 | MLO: NO | FEED-THRU LUGS: NO | POWER SOURCE: EMERGENCY
MAIN AMPS: 100 | MAIN BREAKER: YES | DOUBLE-LUGS: NO | SUPPLY FROM: PANEL L5 & MCB
KAIC RATING: 22 | OCP TYPE: 80% BREAKER

CKT	POLE	AMP	DESCRIPTION	TYPE	A		B		C		TYPE	DESCRIPTION	AMP	POLE	CKT
1	1	20	B2 & B3 CORE LIGHTS	L							L	B2 PARKING LIGHTS & EXITS	20	1	2
3	1	20	1ST FLOOR LIGHTS	L								SPARE	20	1	4
5	1	20	2ND FLOOR LIGHTS	L								SPARE	20	1	6
7	1	20	3RD FLOOR LIGHTS	L								SPARE	20	1	8
9	1	20	4TH FLOOR LIGHTS (NORTH)	L			1.55	1.00			L	4TH FLOOR LIGHTS (SOUTH)	20	1	10
11	1	20	5TH FLOOR LIGHTS	L								SPARE	20	1	12
13	1	20	6TH FLOOR LIGHTS	L								SPARE	20	1	14
15	1	20	7TH FLOOR LIGHTS	L								SPARE	20	1	16
17	1	20	8TH FLOOR LIGHTS	L								SPARE	20	1	18
19	1	20	9TH FLOOR LIGHTS	L								SPARE	20	1	20
21															22
23															24
25															26
27															28
29															30
31	3	15	SUPPLY FAN #1	M							M	SMOKE EXHAUST #1	15	3	32
33	3	15	SUPPLY FAN #1	M							M	SMOKE EXHAUST #1	15	3	34
35	3	15	SUPPLY FAN #1	M							M	SMOKE EXHAUST #1	15	3	36
37	3	15	SUPPLY FAN #2	M							M	SMOKE EXHAUST #2	15	3	38
39	3	15	SUPPLY FAN #2	M							M	SMOKE EXHAUST #2	15	3	40
41	3	15	SUPPLY FAN #2	M							M	SMOKE EXHAUST #2	15	3	42
SPECIAL PANEL FEATURES					0.00 KVA		2.55 KVA		0.00 KVA		CIRCUITING NOTES				
PROVIDE HINGED COVER & MAIN BREAKER					0.00 A		5.31 A		0.00 A		{SB} = SUBFEED CIRCUIT BREAKER				
					0%		100%		0%						

LOAD TYPE	CONNECTED	DEMAND FACTOR	DEMAND/ADJUSTED
R	0.00	100%	0.00
L	2.55	125%	3.19
M	0.00	100%	0.00
LM	0.00	25%	0.00
N	0.00	100%	0.00
C	0.00	125%	0.00

LOAD TYPE KEY

R = RECEPTACLE, NEC 220.44
L = LTG COMMERCIAL, NEC 220.42
M = MOTOR
LM = LARGEST MOTOR
N = NON-CONTINUOUS
C = CONTINUOUS

PANEL TOTALS

	KVA	AMPS
TOTAL CONNECTED LOAD:	2.55	3.07
TOTAL DEMAND LOAD:	3.19	3.84
SPARE CAPACITY:	79.85	96.16
REQUIRED PANEL CAPACITY:	3.19	3.84

Portland State UNIVERSITY
PSU CAPITAL PROJECTS & CONSTRUCTION

RMNC
RICHARD & MAURINE NEUBERGER CENTER

4TH FLOOR SPHR
INTERIOR REMODEL

PSU CAMPUS | BLOCK: 087
1600 SW 4TH AVENUE
PORTLAND, OREGON 97201

ISSUED FOR BID & PERMIT

9/4/2026

HALF SIZE WHEN PRINTED AT 11X17

Sheet Title :
PANEL SCHEDULES INSTALL

Revisions : REVISION 01
Date : 11/03/2026

Drawn : JWW
Checked : JWW

Sheet # : **E403**