

PANEL:	(E) O	225A	BUSSING SIZE: _	225A	FED FROM : _	(E) SWBD-
# OF POLES:	42	VOLTS: 120-208/3P/4W	NEUTRAL BUS:	225A	MOUNTING:	SURFACE
PHASE:	3	GROUND BUS: YES	TVSS:	NO	AIC RMS AMPS:	14,000
HERTZ:	60	ISOLATED GROUND: NO			_	
LOCATION:	(E) ELEC ROO	M 118	REMARKS:			
CIRCUIT	BREAKER	DESCRIPTION		^	В	С
			0 0 122	A 780		
1	(E) 20	WACS AND NEW & (E) LIGHTING - 121,124,12	0 α 133	700		
3	(E) 30	(E) COPIER IN ROOM 108	-		0	
5	- (E) 00	(F) DECERTO 400 8 405		700		0
7	(E) 20	(E) RECEPTS - 133 & 135		720	700	
9	(E) 20	(E) RECEPTS - 134 & 135	<u> </u> -		720	700
11	(E) 20	(E) RECEPTS - 134 & 143		700		720
13	(E) 20	(E) RECEPTS - 133		720	100	
15	(E) 20	(E) POWER POLE - 133			180	
17	(E) 20	(E) POWER POLE - 133				180
19	(E) 20	(E) ATRIUM SHADING ON ROOF		0		
21	(E) 20	(E) EXTERIOR RECEPTS - EAST SIDE	-		720	
23	(E) 20	(E) RECEPTS - 117 & 124				360
25	(E) 20	(E) RECEPTS - 117 & 124		720		
27	(E) 20	(E) RECEPTS - 117, 124, 126			720	
29	(E) 20	(E) RECEPTS - 124 & 125				720
31	(E) 20	(E) PRINTER IN 133		1000		
33	(E) 20	(E) RECEPTS - 133			540	
35	(E) 20	(E) RECEPTS - 131				360
37	(E) 20	(E) RECEPTS - 131 & 132		720		
39	(E) 20	TAF-2 & CUH-5			160	
41	(E) 20	TAF-1 & CUH-6 IN 131				160
2	(E) 20	(E) LIGHTING - 159		1224		
4	(E) 20	(E) RECEPTS - 108			360	
6	(E) 20	(E) RECEPTS - 107				540
8	(E) 20	(E) POWER POLE 122		180		
10	(E) 20	(E) POWER POLE 122		100	180	
12	(E) 20	(E) RECEPT - 122			100	180
14	(E) 20	(E) RECEPTS - 122 & 127	-	720		100
16	. ,			120	0	
18	(E) 20	(E) SPARE NEW & (E) RECEPTS - 123, 128 & 155	-		<del>                                     </del>	720
20	(E) 20	<del>                                     </del>	-	720		120
	(E) 20	(E) RECEPTS - 123 & 129		120	- F10	
22	(E) 20	(E) & NEW RECEPTS - 128	-		540	1000
24	(E) 20	(E) PRINTER IN 128	-	700		1000
26	(E) 20	(E) RECEPTS - 126, 127, 128		720	100	
28	(E) 20	POWER POLE IN ROOM 128			180	100
30	(E) 20	POWER POLE IN ROOM 128		700		180
32	(E) 20	(E) RECEPTS - 128, 129 & 155		720	1222	
34	(E) 20	HOT WATER DISPENSER IN 128			1300	
36	(E) 20	RECEPTS - COUNTER IN 128				540
38	(E) 20	(E) SPARE		0		
40	(E) 20	SHUTTER DOOR IN 128			1200	
42	(E) 20	SHUTTER DOOR IN 122 & 148				1800
KVA:	23	CONNECTED AMPS: 64.4 PH	IASE WATTS:	8,944	6,800	7,460

PANEL:	(E) XA	200A MCB	BUSSING SIZE:	200A	FED FROM :	(E) XMFR X
# OF POLES: _	42	VOLTS: 120-208/3P/4W	NEUTRAL BUS:	225A	MOUNTING: _	RECESSE
PHASE: _	3	GROUND BUS: YES	TVSS:	NO	AIC RMS AMPS: _	14,000
HERTZ: _	60	ISOLATED GROUND: NO				
LOCATION: (	E) STORAGE	ROOM 158	REMARKS:			
CIRCUIT	BREAKER	DESCRIPTION		A	В	С
1	(E) 20	(E) NIGHT LIGHTS - BASEMENT & 1ST FLOO	R	750		
3	(E) 20	(E) TEMP CONTROL PANEL - BASEMENT			0	
5	(E) 20	(E) NIGHT LIGHTS & NEW EM LIGHTS 1ST FI	_OOR			741.8
7	(E) 20	(E) LIGHTING - 156		910		
9	(E) 20	(E) LIGHTING - 115, 116 & 118			580	
11	(E) 20	(E) NOVAK SYSTEM FOR VAULT 120				0
13	(E) 20	(E) RECEPTS - 152		360		
15	(E) 20	(E) SPARE			0	
17	(E) 20	(E) RECEPTS - 019				360
19	(E) 20	(E) FIRE ALARM PANEL		0		
21	(E) 20	(E) ELEVATOR LIGHT			0	
23	(E) 20	(E) ELEVATOR LIGHT				0
25	(E) 20	(E) RECEPT - 158		180		
27	(E) 20	(E) COMMUNICATION CONTROL			0	
29	(E) 20	REFRIGERATOR RECEPT - 128				1000
31	(E) 20	(E) RECEPTS - 156		360		
33	(E) 20	(E) RECEPTS - 153			540	
35	(E) 20	(E) RECEPT FOR MICROWAVE IN 152				1100
37	(E) 20	(E) NOVAK SYSTEM FOR VAULT 131		0		
39	(E) 20	(E) NOVAK SYSTEM FOR VAULT 129			0	
41	(E) 20	(E) RECEPT FOR HOT WATER IN 152				1300
2	(E) 20	(E) EXIT LIGHTING - BASEMENT & 1ST FLOC	nD I	30		
4	(E) 20	(E) SPARE	/K		0	
6	(E) 20	(E) LIGHTING - 156			<del>                                     </del>	1050
8	(E) 20	(E) LIGHTING - 150 (E) LIGHTING - 152, 157, 158 & 159		823		1000
10	(E) 20	(E) RECEPT - BASEMENT TELE ROOM		020	180	
12	(E) 20	(E) RECEPT - BASEMENT TELE ROOM			100	180
14	(E) 20	(E) HEATER BATT CHARGE EM GEN		0		100
16	(E) 20	(E) RECEPT - 156 TABLE			360	
18	(E) 20	(E) SOUND SYSTEM - 156	-		<del>  "" </del>	0
20	(E) 20	(E) RECEPTS - 156 TABLE & PODIUM		360		
22	(E) 20	(E) RECEPTS - 159			360	
24	(E) 20	(E) RECEPTS - 159 & (E) ROLL UP DOOR 13	3		<del> </del>	360
26	(E) 20	(E) RECEPTS - 159	-	360		
28	(E) 20	(E) RECEPTS - 159			360	
30	(E) 20	(E) RECEPTS - 159			<del>  </del>	360
32	(E) 100	TO (E) PANEL X4 - 4TH FLOOR		0		
34	(L) 100 -	-			0	
36	-	-				0
38	(E) 100	TO (E) PANEL XA1 - 2ND FLOOR		0		<u> </u>
40	(L) 100 -	-			0	
42		-			<del> </del>	0
KVA:	13	CONNECTED AMPS: 36.0 P	HASE WATTS:	4,133	2,380	6,452

DEMAND AMPS: 00.0

DEMAND KVA: 00

PANEL:	(E) N	225A	BUSSING SIZE: _	225A	FED FROM:	(E) SWBD-E
# OF POLES:	42	VOLTS: 120-208/3P/4W	NEUTRAL BUS:	225A	MOUNTING:	SURFACE
PHASE:	3	GROUND BUS: YES	TVSS:		AIC RMS AMPS:	
HERTZ:	60	ISOLATED GROUND: NO	-			,
-	(E) ELEC ROO		REMARKS:			
-	. ,		-			
CIRCUIT	BREAKER	DESCRIPTION		Α	В	С
1	(E) 20	(E) LIGHTING - 156		0		
3	(E) 20	(E) LIGHTING - 156			0	
5	(E) 20	(E) LIGHTING - 156				0
7	(E) 20	(E) RECEPTS - 154 & 147		720		
9	(E) 20	(E) DOOR HARDWARE - 111,112 & 113			500	
11	(E) 20	(E) RECEPTS - 147				720
13	(E) 20	(E) & NEW RECEPTS - 148 & 149		720		
15	(E) 20	(E) SPARE			0	
17	(E) 20	(E) RECEPTS - 154,155 & 147				540
19	(E) 20	(E) PRINTER IN 117		1000		
21	(E) 20	(E) RECEPTS - 121, 155 & COUNTER 121			720	
23	(E) 20	(E) COPIER IN 117				1000
25	(E) 20	(E) LAWN SPRINKLER SYSTEM		1000		
27	(E) 20	(E) EXTERIOR RECEPTS			720	
29	(E) 20	(E) RECEPTS - TREASURY VAULT				720
31	(E) 20	(E) RECEPTS - 117 & 120		720		
33	(E) 20	(E) RECEPTS - 114 & 117 & CLOCK			460	
35	(E) 20	(E) RECEPTS - 115,116 & 117			100	720
37	(E) 20	(E) TAF-3		100		120
39	(E) 20	(E) RECEPTS - 117 & 120		100	720	
41	(E) 20	(E) UH-2, (E) CUH-3 & (E) CUH-4			120	100
71	(L) 20	(L) 011-2, (L) 0011-3 & (L) 0011-4	ــــــــــــــــــــــــــــــــــــــ			100
2	(E) 20	(E) LIGHTING - 156		0		
4	(E) 20	(E) LIGHTING - 156		<u> </u>	0	
6	(E) 20	(E) FLOOR RECEPTS - 153			<u> </u>	360
8	(E) 20	(E) RECEPTS - 104 & 106	-	540		300
10	. ,			540	720	
	(E) 20	(E) RECEPTS - 106 & 146	-		720	
12 14	(E) 20	(E) SPARE		700		0
	(E) 20	NEW & (E) RECEPTS - 106 & 147		720	700	
16	(E) 20	(E) RECEPTS - 149			720	700
18	(E) 20	RECEPTS - 105		100		720
20	(E) 20	(E) FLOOR RECPT - 153		180		
22	(E) 20	(E) RECEPTS - MAIN DOOR			0	
24	(E) 20	(E) DOOR OPENER OUTSIDE				0
26	(E) 20	(E) DOOR OPENER INSIDE		0		
28	(E) 20	(E) HEAT MATS FRONT ENTRANCE			0	
30	-	- 				0
32	(E) 20	(E) RECEPTS - 140 & (E) UH-1		590		
34	(E) 20	(E) RECEPTS - 140 & 149			720	
36	(E) 20	(E) RECEPTS - 139				720
38	(E) 20	(E) RECEPTS - 101, 103 & 136		720		
40	(E) 20	(E) CUH-2			100	
42	(E) 20	(E) RECEPTS - 104 & 153 & CLOCK				540
KVA:	19	CONNECTED AMPS: 51.4 PH/	ASE WATTS:	7,010	5,380	6,140
EMAND KVA:	00	DEMAND AMPS: 00.0				

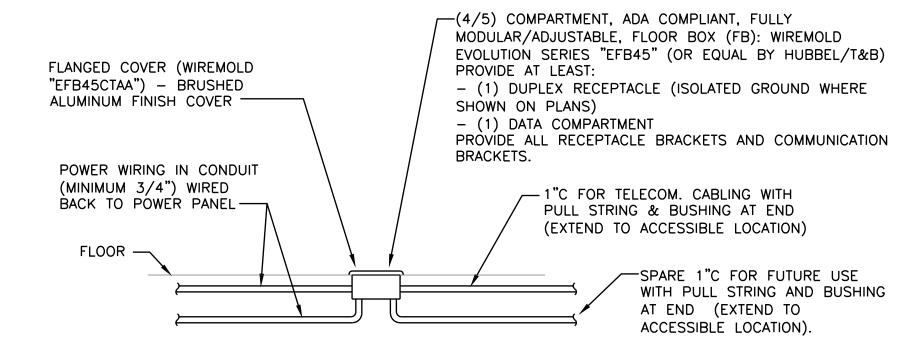
10 12	(E) 20 (E) 20	(E) SPARE (E) SPARE			0	0
				<u>`</u> _		
8	(E) 20	(E) SPARE	ľ	0		
6	(E) 20	NEW & (E) LIGHTING - 134,135,136,139 & 140			1 1000.0	2036.7
4	(E) 20	NEW & (E) LIGHTING - 123,124,125,126,127 & 12		1070.0	1660.6	
2	(E) 20	NEW & (E) LIGHTING - 104,105,106,146,148,149	8. 1 <i>4</i> 7	1373.8		
			L			U
			-			0
23			-		<del>  </del>	0
21				<u> </u>	0	
19			<u> </u>	0		
17			-		<del>  </del>	0
15					0	
13	(=) 20	12/0./112		0		<u> </u>
11	(E) 20	(E) SPARE				0
9	(E) 20	(E) SPARE			0	
7	(E) 20	(E) SPARE	<u> </u>	0		0200
5	(E) 20	(E) LIGHTING - 107, 108, 129, 131, 132 & 133	-		1 0000	3268
3	(E) 20 (E) 20	(E) LIGHTS-103,109,111,112,113,114,120,143,145 (E) LIGHTING - 117, 121 & 122	,,100,104,10	2000	3383	
CIRCUIT 1		DESCRIPTION (E) LIGHTS 402 402 444 442 443 444 420 442 445	150 154 15	A 2883	В	
CIDCUIT	BREAKER	DECORPTION	1			
LOCATION:	(E) ELEC ROO	M 118	REMARKS: _			
HERTZ:	60	ISOLATED GROUND: NO				
PHASE:	3	GROUND BUS: YES	TVSS:_	NO	_ AIC RMS AMPS: _	14,000?
OF POLES:	24	VOLTS: <u>277-480/3P/4W</u> N	EUTRAL BUS:	100A	MOUNTING:	SURFACE
PANEL:	(E) H	100A B	USSING SIZE: _	100A	_ FED FROM : _	(E) SWBD-A

## **GENERAL ELECTRICAL DEMOLITION NOTES:** (APPLICABLE TO ALL ELECTRICAL PLANS)

- 1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. THE EXTENT OF DEMOLITION WORK SHALL BE AS REQUIRED BY THE NEW
- 2. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING SYSTEMS/EQUIPMENT PRIOR TO ISSUING THEIR BID. ALL EXISTING PANEL/WIRE/LIGHT SIZES AND ROUTINGS SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
- 3. ALL ELECTRICAL ITEMS TO BE REMOVED SHALL BE REMOVED COMPLETE WITH ALL RELATED ITEMS INCLUDING, BUT NOT LIMITED TO, WIRES, CONDUITS, SUPPORTS, FIXTURES, ETC. REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFF SITE.
- 4. ANY INTERRUPTION OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED, BY THE OWNER OR OWNER'S REPRESENTATIVE, AT LEAST (7) DAYS IN ADVANCE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING OPERATION.
- 5. WHERE DEMOLITION OF EXISTING SERVICES ARE REQUIRED TO ACCOMMODATE THE PROJECT PHASING/SCHEDULING. AND SERVICES ARE TO BE INTERRUPTED IN AREAS THAT ARE REMAINING OCCUPIED, THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES/CONNECTIONS TO THE OCCUPIED AREAS TO MAINTAIN ITS PRESENT OPERATION. IF SYSTEM SHUT DOWNS ARE REQUIRED, THE CONTRACTOR SHALL SCHEDULE WORK TO BE PERFORMED AT UNOCCUPIED HOURS.
- 6. ALL ITEMS TO BE REMOVED AND/OR RELOCATED SHALL BE REMOVED AND/OR RELOCATED TOGETHER WITH ALL RELATED ITEMS AS REQUIRED BY THE NEW WORK TO BE PERFORMED.
- 7. CONTRACTOR SHALL COORDINATE ALL REMOVAL AND/OR RELOCATION WITH THE EXTENT OF THE NEW WORK AND WITH ALL OTHER TRADES INVOLVED.
- 8. INSTALL STAINLESS STEEL BLANK COVER PLATES AT ALL LOCATIONS WHERE DEVICES (SWITCHES, RECEPTACLES, FIRE ALARM, ETC.) ARE TO BE REMOVED.
- 9. EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, CORING, PATCHING ASSOCIATED WITH THEIR WORK. CUTTING, CORING, PATCHING WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR AND MATCH EXISTING OR NEW FINISHES.
- 10.FIRE ALARM WORK SHOWN IS DIAGRAMMATIC AND INDICATE THE GENERAL SCOPE OF WORK. FIRE ALARM WORK FOR THIS PROJECT WILL BE A PERFORMANCE BASED DESIGN/BUILD BY THE OWNER'S EXISTING/PREFERRED FIRE ALARM SUB (F.A.) = DON OR KELLY AT VETERAN'SALARM (989-631-1111). E.C. SHALL COORDINATE THE FIRE ALARM WORK THAT IS REQUIRED WITH OWNER'S F.A. PRIOR TO DEMOLITION & ROUGH-IN.

## GENERAL ELECTRICAL POWER, AUXILIARY, & LIGHTING NOTES: (APPLICABLE TO ALL ELECTRICAL PLANS)

- 1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS (I.E. CONDUIT, WIRE, PULL BOXES, FIXTURES, ETC.) REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- 2. ALL ELECTRICAL SYSTEMS SHALL BE PROVIDED/INSTALLED TO MEET APPLICABLE BUILDING CODES: MICHIGAN BUILDING CODE, MICHIGAN ELECTRICAL CODE, N.E.C., LIFE SAFETY CODE NFPA 101, MICHIGAN ENERGY CODE, ETC.
- 3. VERIFY REQUIREMENTS OF ALL MECHANICAL/PLUMBING/ARCHITECTURAL EQUIPMENT WITH SHOP DRAWING SUBMITTALS PRIOR TO INSTALLATION. NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN SHOP DRAWINGS AND PLANS.
- 4. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL OUTLETS WITH LOCATIONS/HEIGHTS OF COUNTERTOPS, SINKS, FURNITURE, CABINETS, ETC. WITH ARCHITECTURAL ELEVATIONS AND OTHER TRADES.
- 5. COORDINATE THE INSTALLATION OF ALL ELECTRICAL WORK WITH ALL OTHER TRADES. CONTRACTOR SHALL VERIFY ALL MECHANICAL AND ELECTRICAL CLEARANCES PRIOR TO FABRICATION OF ANY NEW WORK. ELECTRICAL EQUIPMENT, WIRING, ETC. SHALL NOT INTERFERE WITH MECHANICAL EQUIPMENT CLEARANCE SPACES.
- 6. ALL CIRCUITS FOR POWER, LIGHTING, ETC. SHALL BE INSTALLED IN CONDUIT AS SPECIFIED. ALL CIRCUITS SHALL BE CONCEALED IN WALLS. INCLUDING (E) WALLS. SURFACE MOUNTED RACEWAY SHALL NOT BE USED, UNLESS NOTED OTHERWISE, OR UNLESS ABSOLUTELY NECESSARY. APPROVAL FROM ARCHITECT/ENGINEER MUST BE OBTAINED PRIOR TO USING SURFACE MOUNTED CONDUIT.
- 7. UNLESS OTHERWISE NOTED, EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL NEW PENETRATIONS THROUGH ALL WALLS WITH FIRE CAULK IN ACCORDANCE WITH CURRENT BUILDING CODE REQUIREMENTS.
- 8. UNLESS OTHERWISE NOTED, EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, CORING, PATCHING ASSOCIATED WITH THEIR WORK. CUTTING, CORING, PATCHING WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR AND MATCH EXISTING OR NEW FINISHES.
- 9. ALL LIGHTING SYSTEMS SHALL BE PROVIDED/INSTALLED TO MEET APPLICABLE BUILDING CODES: MICHIGAN BUILDING CODE, MICHIGAN ELECTRICAL CODE, N.E.C., LIFE SAFETY CODE NFPA 101, MICHIGAN ENERGY CODE, ETC.
- 10. COORDINATE EXACT FIXTURE LOCATIONS WITH ARCHITECTURAL PLANS (REFLECTED CEILING PLANS, BUILDING ELEVATIONS ETC.).
- 11.ALL EMERGENCY LIGHTS AND EXIT LIGHTS SHALL BE CIRCUITED TO UNSWITCHED/HOT LEG OF THE 120V GENERATOR FED CIRCUIT OF THE AREA SERVED BY THE EMERGENCY/EXIT LIGHTS.
- 12.ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-INS (E.G. BOXES, CONDUIT/FITTINGS, PULL STRINGS, ETC.) FOR ALL AUXILIARY ELECTRICAL SYSTEMS (E.G. FIRE ALARM, TELECOM, SECURITY, AUDIO/VIDEO, ETC.). COORDINATE REQUIREMENTS WITH AUXILIARY ELECTRICAL SUB-CONTRACTORS PRIOR TO ISSUE OF BID AND VERIFY ALL WORK REQUIRED. ALL CONDUIT ROUGH-INS SHALL TERMINATE AT ACCESSIBLE LOCATIONS (I.E. ABOVE LAY-IN CEILINGS, IT ROOMS, ELEC CLOSETS, ETC.).
- 10.FIRE ALARM WORK SHOWN IS DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL SCOPE OF FIRE ALARM WORK. FIRE ALARM WORK FOR THIS PROJECT WILL BE A PERFORMANCE BASED DESIGN/BUILD BY THE OWNER'S EXISTING/PREFERRED FIRE ALARM SUB (F.A.) = DON OR KELLY AT VETERAN'S ALARM (989-631-1111). THE F.A. SHALL PROVIDE DESIGN & BUILD OF THE FIRE ALARM DEMOLITION/RENOVATION/NEW WORK AS REQUIRED TO MEET CURRENT BUILDING CODES (MICHIGAN BUILDING CODE), FIRE ALARM (NFPA 72), AND ELECTRICAL SPECIFICATION 283100. E.C. SHALL PROVIDE ROUGH-IN OF BOXES/CONDUIT FOR F.A., E.C. SHALL COORDINATE THE FIRE ALARM WORK THAT IS REQUIRED WITH OWNER'S F.A. PRIOR TO DEMOLITION & ROUGH-IN.
- 11.NOTE THAT THE SPACE ABOVE LAY-IN CEILING GRID IS A RETURN AIR PLENUM THROUGHOUT THE BUILDING, ANY/ALL EXPOSED CABLES ROUTED THRU THE RETURN AIR PLENUM CEILING SPACE SHALL BE PLENUM RATED AND SHALL BE ADEQUATELY SUPPORTED PER CODE REQUIREMENTS.



- 1. PROVIDE LABEL ON CONDUIT STATING OUTLET BOX LOCATION (E.G. ROOM NAME & NUMBER). 2. TELECOM. CABLING AND DEVICES SHALL BE PROVIDED BY OWNER SELECTED TELECOM CONTRACTOR UNDER A SEPARATE CONTRACT. COORDINATE REQUIRED TELECOM. BRACKETS WITH OWNER'S TELECOM. CONTRACTOR PRI.
- REFER TO ARCHITECTURAL FURNITURE PLANS FOR FLOORING TYPES. 4. COORDINATE EXACT LOCATIONS FOR FLOOR OUTLETS WITH ARCHITECTURAL FURNITURE PLAN PRIOR TO
- 5. BASE BID ON "BRUSHED ALUMINUM" COVER, COORD./CONFIRM COVER FINISH WITH ARCHITECT/OWNER PRIOR TO ORDERING.

-NOTE: SEE PLANS FOR RECEPT. TYPE (E.G. DUPLEX, IG, GFI, EMERGENCY)

TELECOM/POWER FLOOR BOX (FB) OUTLET DETAIL

ADDENDUM #4

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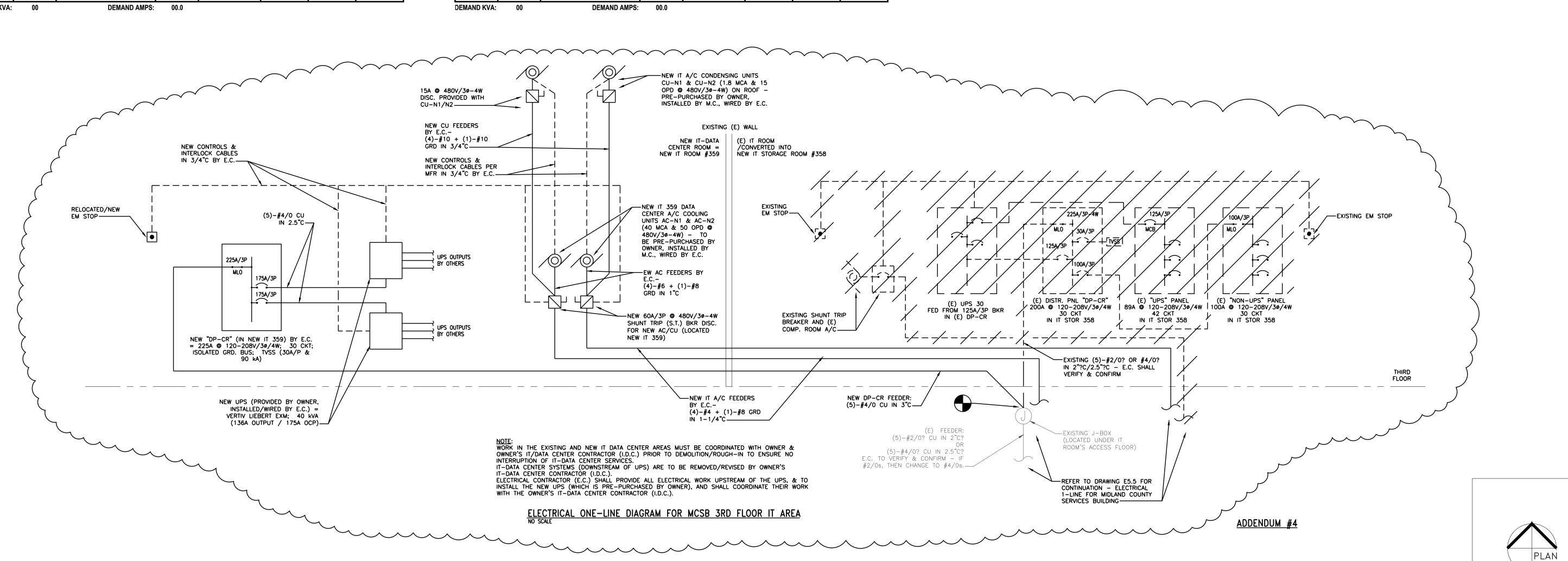
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PERMITS & BIDS 11-11-2024 Revised ADDENDUM #3 11-21-2024 ADDENDUM #4 11-27-2024

AS NOTED

PLAN NORTH

PROJECT NO. 20220400 DRAWING NO.



PANEL:	(E) S	225A		BUSSING SIZE:	225A	FED FROM:	(E) SWBD-B
# OF POLES:		VOLTS: 120-20	08/3P/4W	NEUTRAL BUS:	225A	MOUNTING:	• •
PHASE:			'ES	TVSS:		AIC RMS AMPS:	
HERTZ:			NO				,
	(E) ELEC ROO			REMARKS:			
				•			
CIRCUIT	BREAKER	DESCRIPTION	ON		Α	В	С
1	(E) 20	RECEPTS - 355			720		
3	(E) 20	RECEPTS - 351 & 353				720	
5	(E) 20	(E) SPARE					0
7	(E) 20	(E) RECEPTS - 361 & 313			540		
9	(E) 20	(E) RECEPTS - 313				360	
11	(E) 20	(E) RECEPTS - 349 & 361					720
13	(E) 20	NEW & (E) RECEPTS - 349			720		
15	(E) 20	(E) RECEPTS - 349,352 & 363				720	
17	(E) 20	(E) SPARE					0
19	(E) 20	(E) REFRIGERATOR - 362			1200		
21	(E) 20	(E) SPARE				0	
23	(E) 20	RECEPTS - 335 & 329					720
25	(E) 20	(E) RECEPT IN ROOM 362			180		
27	(E) 20	(E) HOT WATER IN ROOM 362				1300	
29	(E) 20	(E) DISPOSER IN ROOM 362					700
31	(E) 20	(E) RECEPTS - 336			360		
33	(E) 20	(E) RECEPTS - 335 & 332				720	
35	(E) 20	(E) RECEPTS - 332					540
37	(E) 20	(E) RECEPTS - 365 & 366			540		
39	(E) 20	RECEPTS FOR WACS				360	
41	(E) 20	NEW & (E) RECEPTS - 328					720
	•					•	
2	(E) 20	(E) SPARE			0		
4	(E) 30	(E) FC-1 SERVING ROOM 369				730	
6	-	-					730
8	(E) 20	RECEPTS - 362, 338 & 337			720		
10	(E) 20	(E) RECEPTS - 351 & 352				540	
12	(E) 20	(E) RECEPTS - 352					720
14	(E) 20	(E) RECEPTS - 353 & 362			720		
16	(E) 30	(E) FC-2 SERVING ROOM 362				730	
18	-	-					730
20	(E) 20	(E) RECEPTS - 338 & 362			720		
22	(E) 20	RECEPTS - 329 & 328				720	
24	(E) 20	(E) RECEPTS - 337 & 338					720
26	(E) 20	NEW & (E) RECEPTS - 339 & 336			720		
28	(E) 20	RECEPTS - 331				720	
30	(E) 20	(E) SPARE					0
32	(E) 20	NEW & (E) RECEPTS - 327			720		
34	(E) 20	NEW & (E) RECEPTS - 324				720	
36	(E) 00	NEW & (E) RECEPTS - 326					720
	(E) 20	11211 6. (2) 1. 2021 10 020					
38	(E) 20 (E) 20	(E) SPARE			0		
38 40	<del>- ` ´</del>	` '			0	360	
	(E) 20	(E) SPARE			0	360	720

PANEL:	(E) K	100A	BUSSING SIZE:	100A	FED FROM :	(E) SWBD-A
# OF POLES:	24	VOLTS: 277-480/3P/4W	NEUTRAL BUS:	100A	MOUNTING:	SURFACE
PHASE:	3	GROUND BUS: YES	TVSS:	NO	AIC RMS AMPS:	14,000?
HERTZ:	60	ISOLATED GROUND: NO	_			
LOCATION:	(E) ELEC ROO	M 325.1	REMARKS:			
CIRCUIT	BREAKER	DESCRIPTION		A	В	С
1	(E) 20	(E) SPARE		0		
3	(E) 20	LIGHTING-349,355,351,353,352,362,338,33	37.336 & 339		1306.5	
5	(E) 20	LIGHTING-321,318,319,364,363,369,365,36	<u> </u>			1828.2
7	(E) 20	(E) SPARE	,,-	0		
9	(E) 20	(E) SPARE			0	
11	(E) 20	(E) SPARE				0
13	. ,	(E) SPACE		0		
15		(E) SPACE			0	
17		(E) SPACE				0
19	(E) 20	(E) VVB #304		1939		
21	,	(E) SPACE			0	
23		(E) SPACE				0
						0
2	(E) 20	(E) SPARE		0		
4	(E) 20	LIGHTS - 306,308,303,307,305,304,309,313	3,372 & 361		1388.9	
6	(E) 20	LIGHTING - 335,331,328,324,329,326 & 354	1			847.4
8	(E) 20	(E) SPARE		0		
10	(E) 20	(E) SPARE			0	
12	(E) 20	(E) SPARE				0
14		(E) SPACE		0		
16		(E) SPACE			0	
18	<u> </u>	(E) SPACE				0
20	(E) 20	(E) VVB #305		1939		
22	<u> </u>	(E) SPACE			0	
24		(E) SPACE				0
						0
KVA:	09	CONNECTED AMPS: 11.1	PHASE WATTS:	3,878	2,695	2,676

AS NOTED PROJECT NO.

PERMITS & BIDS 11-11-2024

Revised
ADDENDUM #3
- 11-21-2024

ADDENDUM #4 11-27-2024

20220400 DRAWING NO.

E5.4

NORTH

1	(E) 20	(E) RECEPTS - 304 & 307	720		
3	(E) 20	(E) RECEPTS - 313,304 & 305		540	
5	(E) 20	(E) RECEPTS - 309,304,305 & 307			720
7	(E) 20	RECEPTS - 358, 359 & 371	720		
9	(E) 20	(E) RECEPTS - 305 & 307		720	
11	(E) 20	(E) RECEPTS - 309			540
13	(E) 20	RECEPTS - 325,308 & 309	540		
15	(E) 20	(E) SPARE		0	
17	(E) 20	(E) SPARE			0
19	(E) 20	RECEPTS - 371	720		
21	(E) 20	RECEPTS - 329	120	720	
23	(E) 20	NEW & (E) RECEPTS - 354			360
25	(E) 20	DEDICATED RECEPT FOR VENDING MACHINE	1200		
27	(E) 30	(E) SPARE	1200	0	
29	(E) 30	(E) SPARE			0
31	(E) 50	(E) SPARE	0		0
	(E) 50	(E) SPARE			
33	(E) 00	PEOEDT 000		0	000
35	(E) 20	RECEPT - 323			360
37	(E) 20	(E) RECEPTS - 364 & 358	540		
39	(E) 20	(E) RECEPTS - 321,318 & 319		720	
41	(E) 20	(E) UNIT HEATER IN ROOM 318			400
2	(E) 20	(E) RECEPTS - 306 & 315	720		
4	(E) 20	(E) RECEPTS - 306,308 & 315		720	
6	(E) 20	(E) RECEPTS - 318,308 & 364			720
8	(E) 20	(E) RECEPTS - 308	720		
10	(E) 20	DEDICATED RECEPT FOR VENDING MACHINE	120	1200	
12	(E) 20	(E) RECEPTS - 367,364 & 308		1200	540
14	(E) 20	NEW & (E) RECEPTS - 369 & 371	540		040
16	(E) 20	(E) RECEPTS - 369	040	720	
18	(E) 20	RECEPT - 322		120	360
20	(E) 20	(E) RECEPTS - 313,363 & 309	720		300
22	· ,	SHUTTER DOOR FOR ROOM 373	120	1100	
24	(E) 20	SHUTTER DOOR FOR ROOM 374		1100	1100
	(E) 20		1100		1100
26	(E) 20	SHUTTER DOOR FOR ROOM 352	1100		
28	(E) 20	MOTORIZED BLINDS FOR ROOM 371 (7.2A MAX)		900	110
30	(E) 20	SHUTTER DOOR FOR ROOM 338			110
32	(E) 30	(E) SPARE	0		
34	(E) 20	(E) AUTOMATIC DOOR OPENERS		120	
36	(E) 20	DEDICATED RECEPT FOR VENDING MACHINE			120
38	(E) 20	SHUTTER DOOR FOR ROOM 329	1100		
40	(E) 20	RECEPT FOR COPIER IN ROOM 352		1400	
42	(E) 20	NEW & (E) RECEPTS - 367			720
KVA:	26	CONNECTED AMPS: 73.1 PHASE WATTS:	9,340	8,860	8,12

VOLTS: 120-208/3P/4W

GROUND BUS: YES ISOLATED GROUND: NO

BUSSING SIZE: 225A

NEUTRAL BUS: 225A MOUNTING: SURFACE

TVSS: NO AIC RMS AMPS: 14,000

PANEL: (E) R

PHASE: 3

HERTZ: 60 LOCATION: (E) ELEC ROOM 325.1

# OF POLES: 42

I ANLL.	(=) 0	ZZUN	DOGGING GIZE.	ZZUN	_ 'LD''NOW'	(L) 01100-0
# OF POLES:	42	VOLTS: 120-208/3P/4W	NEUTRAL BUS:	225A	MOUNTING:	SURFACE
PHASE:	3	GROUND BUS: YES	TVSS:	NO	AIC RMS AMPS:	14,000
HERTZ:	60	ISOLATED GROUND: NO	_		_	
LOCATION:	(E) ELEC ROO	M 325.1	REMARKS:			
•			-			
CIRCUIT	BREAKER	DESCRIPTION		Α	В	С
1	(E) 20	RECEPTS - 355		720		
3	(E) 20	RECEPTS - 351 & 353			720	
5	(E) 20	(E) SPARE				0
7	(E) 20	(E) RECEPTS - 361 & 313		540		
9	(E) 20	(E) RECEPTS - 313			360	
11	(E) 20	(E) RECEPTS - 349 & 361				720
13	(E) 20	NEW & (E) RECEPTS - 349		720		
15	(E) 20	(E) RECEPTS - 349,352 & 363			720	
17	(E) 20	(E) SPARE				0
19	(E) 20	(E) REFRIGERATOR - 362		1200		
21	(E) 20	(E) SPARE			0	
23	(E) 20	RECEPTS - 335 & 329				720
25	(E) 20	(E) RECEPT IN ROOM 362		180		
27	(E) 20	(E) HOT WATER IN ROOM 362			1300	
29	(E) 20	(E) DISPOSER IN ROOM 362				700
31	(E) 20	(E) RECEPTS - 336		360		
33	(E) 20	(E) RECEPTS - 335 & 332			720	
35	(E) 20	(E) RECEPTS - 332				540
37	(E) 20	(E) RECEPTS - 365 & 366		540		
39	(E) 20	RECEPTS FOR WACS			360	
41	(E) 20	NEW & (E) RECEPTS - 328				720
	(-/		<b>-</b>			
2	(E) 20	(E) SPARE		0		
4	(E) 30	(E) FC-1 SERVING ROOM 369		<u> </u>	730	
6	-	_	•		100	730
8	(E) 20	RECEPTS - 362, 338 & 337		720		100
10	(E) 20	(E) RECEPTS - 351 & 352			540	
12	(E) 20	(E) RECEPTS - 352			1 070	720
14	(E) 20	(E) RECEPTS - 353 & 362		720		120
16	(E) 30	(E) FC-2 SERVING ROOM 362		120	730	
18	(L) 30 -	(L)   0-2 OLIVINO NOON 302			100	730
20	(E) 20	(E) RECEPTS - 338 & 362		720		100
22	(E) 20	RECEPTS - 329 & 328		120	720	$\overline{}$
24	(E) 20	(E) RECEPTS - 329 & 320			120	720
26	(E) 20	NEW & (E) RECEPTS - 337 & 336		720		120
		<del>  ` '</del>		120	720	
28	(E) 20	RECEPTS - 331			720	
30	(E) 20	(E) SPARE		700		0
32	(E) 20	NEW & (E) RECEPTS - 327		720	700	
34	(E) 20	NEW & (E) RECEPTS - 324			720	700
36	(E) 20	NEW & (E) RECEPTS - 326				720
38	(E) 20	(E) SPARE		0		

