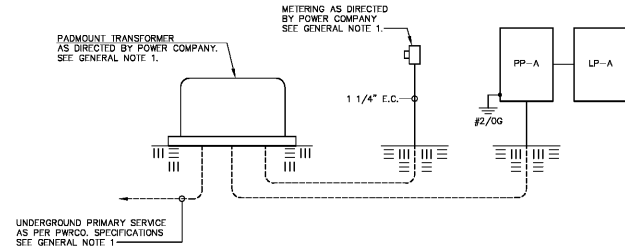


DETAIL "E-MSG"
MAIN SERVICE GROUNDING
SCALE : NONE

- DETAIL NOTES**
1. ALL GROUNDING ELECTRODE CONDUCTORS AND MAIN BONDING JUMPERS SHALL BE INSULATED COPPER, SIZED IN ACCORDANCE WITH NEC TABLE 250.66 UNLESS NOTED OTHERWISE.
 2. THE INTERSYSTEM BONDING JUMPER SHALL BE INSULATED COPPER, SIZED TO MATCH THE GROUNDING ELECTRODE CONDUCTOR OR #6AWG, WHICHEVER IS GREATER.
 3. ADDITIONAL GROUND RODS SHALL BE INSTALLED A MINIMUM OF SIX (6) FEET APART AND CONNECTED BY GROUNDING ELECTRODE CONDUCTORS UNTIL THE GROUND RESISTANCE DOES NOT EXCEED FIVE (5) OHMS.
 4. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT (TYPE PER SPECIFICATION REQUIREMENTS) UNLESS SPECIFICALLY NOTED OTHERWISE. METAL CONDUITS SHALL BE GROUNDED PER NEC REQUIREMENTS.
 5. REFER TO "GROUNDING" SPECIFICATIONS SECTION FOR ADDITIONAL GROUNDING REQUIREMENTS.



SINGLE LINE DIAGRAM
SCALE : NONE

- NOTES THIS SHEET ONLY**
1. REFER TO PANELBOARD SCHEDULES FOR FEEDER SIZES NOT INDICATED ON THIS DIAGRAM.

PANELBOARD SCHEDULE - PP-A

PANEL TYPE: SQUARE D TYPE NOOD		AIC RATING: 30KAC (MINIMUM)							
VOLTAGE: 120/208V-3P-4W		MOUNTING: FLUSH							
AMPS & TYPE: 500A MARI BXP		LOCATION: SEE PLAN							
FED FROM: UTILITY		FEEDER: 2 SETS OF 4-250MCM-3" C							
CR. NO.	DESCRIPTION	VOLTS	P	HP	KW	AMPS	BKR	LOCAL SAFETY SW. RATING	REMARKS
1	LP-A	120/208	3		27.3	125/3			
2	SHR-1	208	1	1	7.2		602 - F80	286 & 1810G - 1" C	
3	SHR-1	208	1	1	7.2		452 - F45	286 & 1810G - 3/4" C	
4	SHR-2	208	1	1	7.2		602 - F80	286 & 1810G - 1" C	
5	SHR-2	208	1	1	7.2		452 - F45	286 & 1810G - 3/4" C	
6	SHR-3	208	1	1	7.2		602 - F80	286 & 1810G - 1" C	
7	SHR-3	208	1	1	7.2		452 - F45	286 & 1810G - 3/4" C	
8	SHR-4	208	3	1/2	10.8		450 - F45	348 & 1810G - 1" C	
9	SHR-5	208	3	1/2	10.8		605 - F45	348 & 1810G - 1" C	
10	CHP-1	208	3		14.4	30/3	303 - F30	#12 & #14 - 3/4" C	
11	CHP-2	208	3		14.4	30/3	303 - F30	#12 & #14 - 3/4" C	
12	CHP-3	208	3		14.4	30/3	303 - F30	#12 & #14 - 3/4" C	
13	CHP-4	208	3		14.4	30/3	303 - F30	#12 & #14 - 3/4" C	
14	CHP-5	208	3		14.4	30/3	303 - F30	#12 & #14 - 3/4" C	
15	WH-1	208	1		4.5	30/2	302	2810 & 1810G - 3/4" C	
16	SPACE								
17	SPACE								
18	SPACE								
19	SPACE								
20	SPACE								

TOTAL CONNECTED LOAD: 138.0 KVA
TOTAL DEMAND LOAD: 117.7 KVA
TOTAL COMPUTED LOAD: 127.1 KVA
TOTAL AMPERAGE: 353.1 AMPS

NOTES:
1. PROVIDE INTEGRAL 100KA (PER PHASE) SURGE PROTECTION DEVICE.
2. PANEL SHALL BE SERVICE-ENTRANCE RATED.
3. FURNISH IN A SINGLE 20" WIDE SECTION.

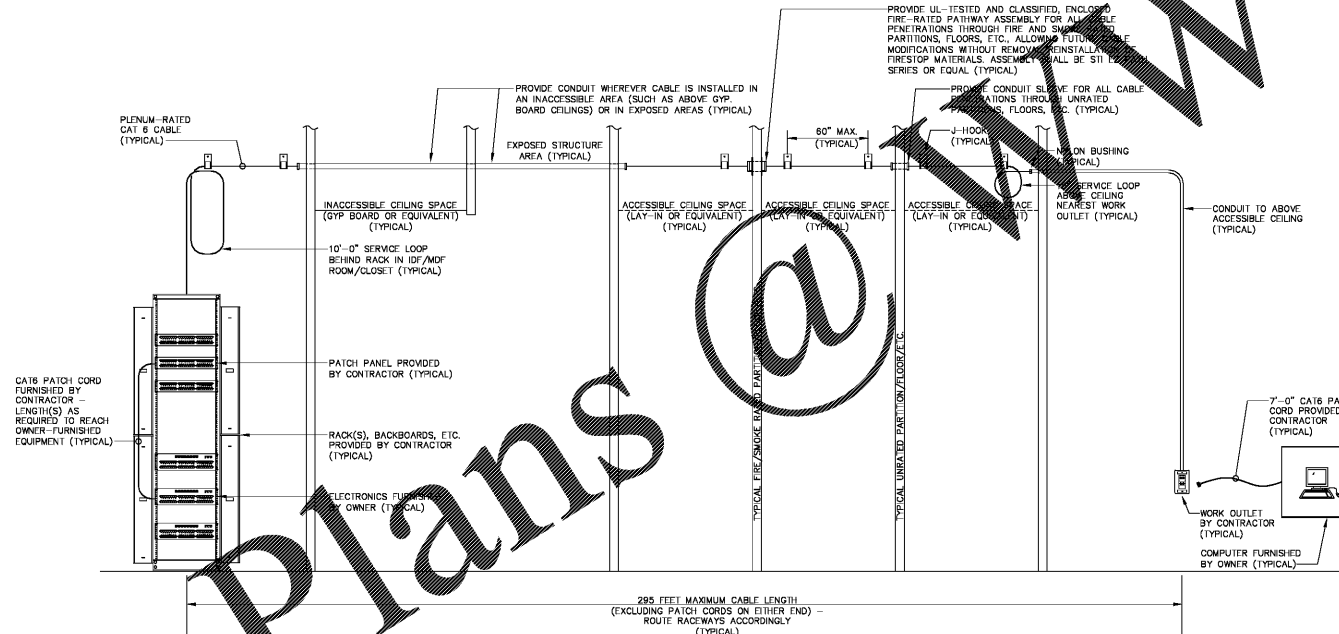


DIAGRAM "E-SCH"
STRUCTURED CABLING HORIZONTAL
TYPICAL WIRING DIAGRAM
SCALE : NONE

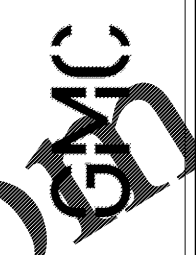
PANELBOARD SCHEDULE - LP-A

PANEL TYPE: SQUARE D TYPE NOOD		AIC RATING: 22KA (MINIMUM)					
VOLTAGE: 120/208V-3P-4W		MOUNTING: FLUSH					
AMPS & TYPE: 125 AMP - MLO		LOCATION: SEE PLAN					
FED FROM: PP-A		FEEDER: SEE PANELBOARD SCHEDULE - PP-A					
CR. NO.	NOTES	BKR	DESCRIPTION	PHASE	WATTS	AMPS	REMARKS
1	-	20/1	LIGHTS	A	1,200	800	FLOOR BOX
2	-	20/1	LIGHTS	B	1,200	800	FLOOR BOX
3	-	20/1	LIGHTS	C	500	800	FLOOR BOX
4	-	20/1	LIGHTS	A	500	800	FLOOR BOX
5	-	20/1	EXTERIOR LIGHTS	B	75	800	FLOOR BOX
6	-	20/1	RECEPTACLES	C	1,000	1,000	AV EQUIPMENT
7	-	20/1	RECEPTACLES	A	1,000	1,000	AV EQUIPMENT
8	-	20/1	RECEPTACLES	B	1,400	1,200	RECEPTACLES
9	-	20/1	RECEPTACLES	C	1,400	600	RECEPTACLES
10	-	20/1	RECEPTACLES	A	800	800	RECEPTACLES
11	-	20/1	RECEPTACLES	B	1,400	800	FLOOR BOX
12	-	20/1	RECEPTACLES	C	1,000	800	FLOOR BOX
13	-	20/1	RECEPTACLES	A	1,200	800	FLOOR BOX
14	-	20/1	RECEPTACLES	B	1,000	800	FLOOR BOX
15	-	20/1	RECEPTACLES	C	600	800	FLOOR BOX
31	GFCI	20/1	KITCHEN OUTLET	A	1,200		SPARE
32	GFCI	20/1	KITCHEN OUTLET	B	1,200		SPARE
33	-	20/1	KITCHEN OUTLET	C	1,200		SPARE
34	-	20/1	KITCHEN OUTLET	A	1,200		
35	-	20/1	KITCHEN OUTLET	B	1,200		
36	-	20/1	KITCHEN OUTLET	C	1,200		
37	GFCI	20/1	KITCHEN OUTLET	A	1,200		
38	-	20/1	KITCHEN LIGHTS	B	250		
39	-	20/1	ATTIC RECEPTACLES	C	600		
40	LCP	20/1	PARKING LOT LIGHTS	A	200		
41	-	20/1	SPARE	B			
42	-	20/1	SPARE	C			
43	-	20/1	SPARE	A			
44	-	20/1	SPARE	B			
45	-	20/1	SPARE	C			

NOTES:
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.
2. INDICATED BREAKER(S) SHALL BE GFI-TYPE (5mA TRIP).
3. FURNISH IN A SINGLE 20" WIDE SECTION.

TOTAL CONNECTED LOAD: 36.1 KVA
TOTAL DEMAND LOAD: 28.3 KVA
TOTAL COMPUTED LOAD: 27.3 KVA
TOTAL AMPERAGE: 75.7 AMPS

Order Plans



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ISSUE	DATE
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DRAWN BY: RLJ
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Oneonta Community Development
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Oneonta, AL 35211
GMC # ABHM170022



PANEL SCHEDULES & DETAILS
E2.01
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