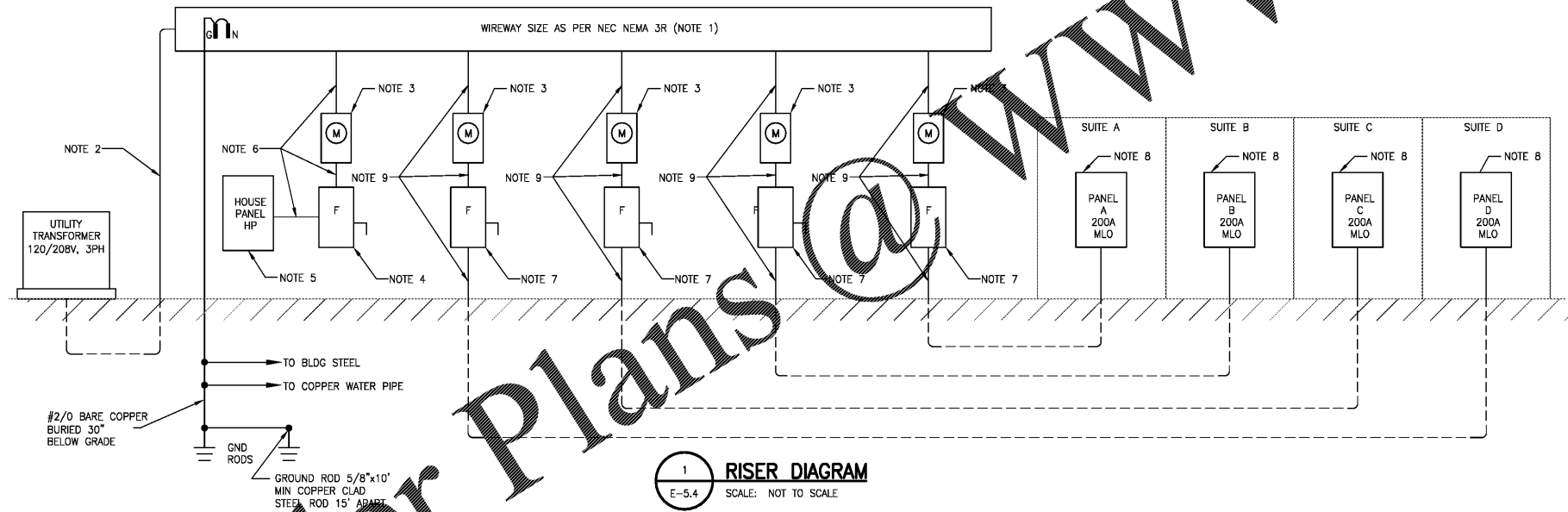


SERVICE		PANEL		HP		MAN			
120/208V, 3PH, 4W		SURFACE		A.I.C.		18,000			
MTG		REMARK							
BRANCH CIRCUIT	LOAD DESCRIPTION	LOAD (VA)			PHASE	LOAD (VA)			BRANCH CIRCUIT
		A	B	C		A	B	C	
1	LGT-EXTERIOR	70						2	
2	PHOTOCELL		10					4	
3	SPARE							6	
4	SPARE							8	
5	SPARE							10	
6	SPARE							12	
7	SPARE							14	
8	SPARE							16	
9	SPARE							18	
10	SPARE							20	
11	SPARE							22	
12	SPARE							24	
13	SPARE							26	
14	SPARE							28	
15	SPARE							30	
16	SPARE							32	
17	SPARE							34	
18	SPARE							36	
19	SPARE							38	
20	SPARE							40	
21	SPARE							42	
22	SPARE							44	
23	SPARE							46	
CONNECTED LOAD:		A	B	C	D	TOTAL	VA		
		1270	10			1280			

LOAD ANALYSIS			
LOAD DESCRIPTION	CONNECTED VA	DEMAND FACTOR	VA DEMAND
LIGHTING - EXTERIOR	70	1.00	70
LIGHTING - INTERIOR	0	1.25	0
SIGNALAGE	1200	1.25	1500
RECEPTACLES		0 FIRST 10kW @ 100%	0
		0 REMAINDER @ 50%	0
KITCHEN EQUIPMENT	0	0.65	0
WATER HEATER	0	1.00	0
HVAC EQUIPMENT	0	1.00	0
3 Ø MOTORS		0 LARGEST MOTOR @ 125%	0
		0 REMAINDER @ 100%	0
1 Ø MOTORS		0 LARGEST MOTOR @ 125%	0
		0 REMAINDER @ 100%	0
MISCELLANEOUS	10	1.00	10
TOTALS	1280	DEMAND FACTOR	1580
CALCULATED SERVICE DEMAND AMPERES		4.33	



NOTES:

1. PROVIDE 800A, NEMA 3R, SERVICE ENTRANCE RATED ELECTRICAL WIREWAY. WIREWAY SHALL BE SIZED PER NEC AND SHALL BE SUITABLE TO ACCEPT THE REQUIRED NUMBER OF CABLES.
2. PROVIDE 2 SETS OF 4 #600KCMIL IN 3-1/3" C EACH.
3. PROVIDE UTILITY METER AND METER CAN.
4. PROVIDE 100A, 240V FUSED DISCONNECT WITH 100A FUSES.
5. PROVIDE 100A MLO, 208/120V, 3PH, 30 POLE PANEL BOARD.
6. PROVIDE 4 #1, 1 #6G IN 1-1/2" C.
7. PROVIDE 200A, 240V FUSED DISCONNECT SWITCH WITH 200A FUSES.
8. PROVIDE 200A MLO, 208/120V, 3PH, 42 POLE PANEL BOARD.
9. PROVIDE 4 #3/0, 1 #6G IN 2" C.

GENERAL NOTES

1. BRANCH CIRCUIT WIRING SHALL BE AS FOLLOWS:
 - A. LIGHTING AND POWER NETWORKS: (120/208V, 3Ø, 4W)
 - 1) 100 FEET OR LESS:
 - PHASE - 3#12 AWG
 - NEUTRAL - 1#12 AWG
 - GROUND - 1#12 AWG
 - 2) GREATER THAN 100 FEET:
 - INCREASE ALL CONDUCTORS BY ONE WIRE GAUGE SIZE.
 - 3) TWO NETWORKS MAXIMUM PER CONDUIT.
2. PROVIDE SINGLE GANG JUNCTION BOX FOR EACH TELEPHONE AND/OR DATA OUTLET WITH 3/4" C. STUBBED-UP TO 6" ABOVE WALL PARTITION, OR LAY-IN CEILING. PROVIDE BLANK COVERPLATE ON EACH OUTLET.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4", UNLESS OTHERWISE NOTED OR INDICATED.
4. EMERGENCY LIGHTING CIRCUITING SHALL BE THE SAME CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.

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RETAIL/OFFICE PANEL SCHEDULE/RISER DIAGRAM
WILD WOLF-COMMERCIAL DEVELOPMENT
BOYD MORRIS ROAD & GA HWY 293 SPUR
BARTOW COUNTY, GEORGIA 30120

DATE: 06/18/20

SCALE: NOT TO SCALE

E-5.4