

*** PANEL S1**

DESCRIPTION	120 / 208 VOLTS 3 @				4 WIRE 300 AMP MAIN LUG			
	NVA	CB	CB	CB	NVA	CB	CB	CB
RECP - RETAIL FIXTURES	1.08	20	1	2	1.44	20	30	RECP - RETAIL FIXTURES
RECP - TOWER SHELF/DEVICE RACK	1.02	20	3	4	2.0	30	36	RECP - CASE DISPLAY
RECP - TOWER SHELF/DEVICE RACK	1.02	20	8	8	2.0	30	54	RECP - FOCAL WALL
RECP - TOWER SHELF/DEVICE RACK	1.02	20	7	8	2.0	30	50	RECP - WATER COOLER
RECP - BELL PAY	3.8	20	4	10	2.0	100	100	RECP - MANAGER OFFICE
RECP - MANAGER OFFICE	8.4	20	11	12	2.0	25	25	RECP - SALES
PLUMB/COLD - OPERATIONS	4.9	20	13	14	2.0	25	25	RECP - CLG - SALES
RECP - OPERATIONS	4.0	20	13	16	2.0	25	25	RECP - CLG - SALES
RECP - ENH SHELVING	3.6	20	17	18	2.0	25	25	SPARE
RECP - INVENTORY RM	5.4	20	18	20	2.0	25	25	SPARE
SPARE	2.0	20	21	22	2.0	25	25	SPARE
SPARE	2.0	20	23	24	2.0	25	25	SPARE
RTU-1	0.88	30	33	34	2.0	31	31	SPARE
RTU-2	0.88	30	34	40	100	30.02	30.02	PANEL S2

*** PANEL S2**

DESCRIPTION	120 / 208 VOLTS 3 @				4 WIRE 100 AMP MAIN LUG			
	NVA	CB	CB	CB	NVA	CB	CB	CB
REFRIGERATOR	1.00	20	1	2	2.0	30	30	CARD ACCESS PANEL
RECP - BREAK AREA VNC	4.0	20	3	4	2.0	50	50	SECURITY PANEL
RECP - TOILET/PURGET/JIG	.40	20	5	5	2.0	30	30	SECURITY PANEL
RECP - TELEPHONE - TELCO RM	3.8	20	7	8	30	30	30	SMALL CELL
RECP - TELCO VCR	3.8	20	9	10	30	30	30	SMALL CELL
RECP - TELCO VCR	3.8	20	11	12	30	30	30	CELL REPEATER
RECP - TELCO VCR	3.8	20	13	14	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	15	16	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	17	18	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	19	20	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	21	22	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	23	24	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	25	26	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	27	28	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	29	30	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	31	32	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	33	34	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	35	36	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	37	38	2.0	30	30	RECP - CLG - SALES
RECP - TELCO VCR	3.8	20	39	40	2.0	30	30	RECP - CLG - SALES

RISER DRAWING NOTES

- ALL DEVICES THAT ARE EXISTING TO REMAIN ARE SHOWN LIGHT, SOLID. ALL NEW DEVICES ARE SHOWN HEAVY, SOLID.
- POWER RISER IS SHOWN FOR REFERENCE ONLY. ALL DEVICES AND WIRE SIZES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- EXISTING SIX (6) POSITION METERSTACK WITH 800A MAIN LUG TERMINATION SECTION TO REMAIN.
- EXISTING UTILITY METER TO REMAIN AND BE RE-USED FOR TENANT SERVICE. PROVIDE PHENOLIC NAMEPLATE READING "VERIZON".
- EXISTING UTILITY METER SLOPE TO BE DE-ENERGIZED AND SERVICE TERMINATED. COORDINATE WITH UTILITY COMPANY (DUKE ENERGY).
- EXISTING PANELBOARD (PANEL P) AND ASSOCIATED FEEDERS AND TO BE REMOVED.
- EXISTING TERMINATION BOX TO BE REMOVED.
- EXISTING PANELBOARD (PANEL S1 & S2) TO BE REMOVED AND RELOCATED. EXISTING FEEDERS SHALL BE EXTENDED TO NEW LOCATION.
- RELOCATED PANELBOARD (PANEL S1 & S2). REFER TO PANEL SCHEDULES. THIS SHEET, FOR ADDITIONAL INFORMATION.
- EXISTING FIRE ALARM CONTROL PANEL (FACP) TO BE REMOVED AND RELOCATED. COORDINATE WITH FIRE ALARM VENDOR IN FIELD.
- PROPOSED MANUAL TRANSFER SWITCH (MTS), 200A/3P, NEMA 3R, SQUARE-D TYPE OR APPROVED EQUAL. PROVIDE FACTORY INSTALLED SOLID NEUTRAL. SWITCH HANDLE SHALL HAVE PADLOCKING PROVISIONS IN ALL (3) THREE SWITCH POSITIONS AND EXTERNAL INTERLOCK DEFEAT MECHANISM. PROVIDE A 6" LONG, 4" CONDUIT SLEEVE WITH END CAP FOR FUTURE GENERATOR CABLES. PADLOCK IN THE NORMAL POSITION AS DIRECTED BY THE OWNER. GENERATOR SHALL BE DELIVERED AND CONNECTED BY LICENSED ELECTRICIAN.
- PROVIDE ENGRAVED LAMICORE NAMEPLATE TO READ "VERIZON PORTABLE GEN MTS-208/120V" AND ENGRAVED LAMICORE NAMEPLATES TO IDENTIFY THE "EMERGENCY" AND "NORMAL" POSITIONS.
- PROVIDE ENGRAVED LAMICORE NAMEPLATE TO READ "PHASE ROTATION CLOCKWISE".
- PROVIDE JUNCTION BOX WITH CABLE TERMINATION KITS.
- FIELD VERIFY AND INTERCEPT EXISTING SERVICE FEEDER (4" CDT BELOW GRADE) AND EXTEND NEW CONDUIT WITH EXISTING FEEDER INTO RELOCATED PANELBOARD IN NEW TENANT SPACE.

LIGHTING FIXTURE SCHEDULE

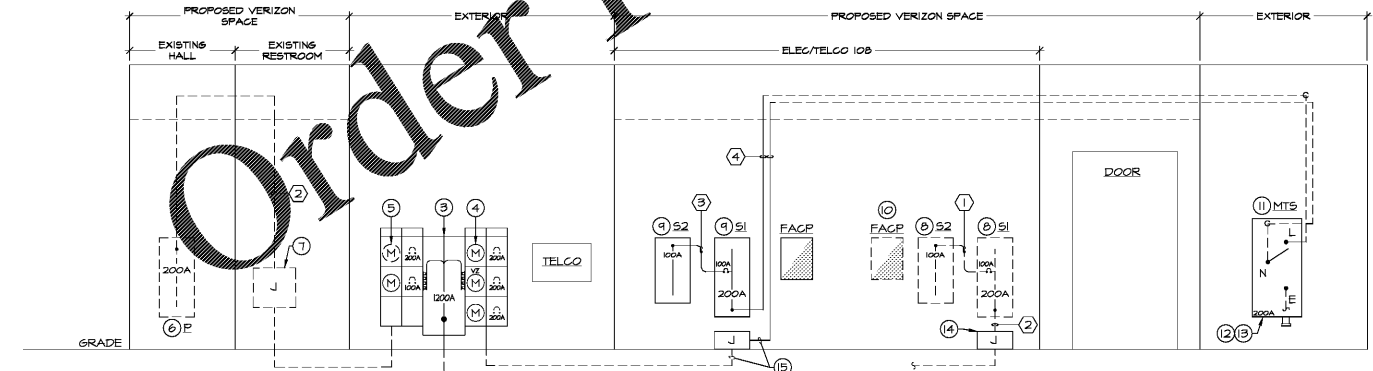
TYPE	LAMPS	MOUNTING	DESCRIPTION / VOLTAGE	CATALOG NO.
CR20	LED 3000*	RECESSED (GRID)	GRID RECESSED, EDGE LIT LED 2X2 FLAT PANEL FOR BACK OF HOUSE AREAS. INTERNAL LED DRIVER. PROVIDE WITH EM BATTERY PACK (120V) INPUT. 46W	TYC LIGHTING IS01-R-44-3-0-22-LED-30
CR20-em	LED 3000K	RECESSED (GRID)	GRID RECESSED, EDGE LIT LED 2X2 FLAT PANEL FOR BACK OF HOUSE AREAS. INTERNAL LED DRIVER (120V) INPUT. 46W	TYC LIGHTING IS01-R-44-3-0-22-LED-30-EM
CR3T	LED 3000K	RECESSED (GRID)	2'x2' GRID RECESSED LED WITH CURVED ACRYLIC LED PANEL. BACK OF HOUSE INPUT. 30W	PHILIPS LEDALITE LT6 3622-DI-5R-L-C-44-5-I-E
CR3T-em	LED 3000*	RECESSED (GRID)	SAME AS FIXTURE CR-3T WITH INTEGRAL BATTERY PACK. BACK OF HOUSE INPUT. 50W	PHILIPS LEDALITE LT6 3622-DI-ST-L-C-44-5-I-E
CR3Ta	LED 3000*	RECESSED (GRID)	2'x2' GRID RECESSED LED WITH CURVED ACRYLIC LED PANEL WITH DRYWALL FLANGE KIT. BACK OF HOUSE INPUT. 30W	PHILIPS LEDALITE LT6 3622-DI-5R-L-C-44-5-I-E
CR3Ta-em	LED 3000K	RECESSED (GRID)	SAME AS FIXTURE CR-3Ta WITH INTEGRAL BATTERY PACK. BACK OF HOUSE INPUT. 50W	PHILIPS LEDALITE LT6 3622-DI-ST-L-C-44-5-I-E
C520	LED 3000K	RECESSED (GRID)	GRID RECESSED, EDGE LIT LED 2X2 FLAT PANEL FOR BACK OF HOUSE AREAS. INTERNAL LED DRIVER. PROVIDE WITH EM BATTERY PACK (120V) INPUT. 46W	TYC LIGHTING IS01-R-44-3-0-22-LED-30-MTKT-22
C520-em	LED 3000K	RECESSED (GRID)	GRID RECESSED, EDGE LIT LED 2X2 FLAT PANEL FOR BACK OF HOUSE AREAS. INTERNAL LED DRIVER. PROVIDE WITH EM BATTERY PACK (120V) INPUT. 46W	TYC LIGHTING IS01-R-44-3-0-22-LED-30-MTKT-22-EM
C2	LED T8 3500K (14TB/END 48-3500K)	SURFACE	4' LINEAR UTILITY STRIP LIGHT WITH LED LAMPING (120V) INPUT. 22W	MERCURY LT6 MM-1-32-OCT-C-ELB-UN
E5-1	LED	RECESSED (CEILING)	CEILING RECESSED MOUNTED EXIT SIGN. 20/21" SALES AREA	ENCORE LIGHTING UNO SERIES SUPER UNIVERSAL X/RW/IC
E5-2	LED	RECESSED (WALL)	WALL RECESSED MOUNTED EXIT SIGN. 120/21" BACK OF HOUSE	ENCORE LIGHTING UNO SERIES SUPER UNIVERSAL X/RW/IC
F1	LED 17W 3000K	RECESSED (CEILING)	3" SQUARE RECESSED LED FIXTURE WITH WHITE REFLECTOR AND WHITE FLANGE. 120V ABOVE CASHWRAP	SOLAIS LIGHTING X53NC-D-XM20-40M-30V-1450-1H-1H
F4A	SOLAIS LT6 (1) LAMP 1830-40-30V-WHITE, 40° BEAM, 1450 lumens	N/A	WHITE LED ADJUSTABLE TRACK HEAD WITH WIDE FLOOD DISTRIBUTION MOUNTED TO BASIC TRACK. 120V INPUT WATTS: 22W	JINO LIGHTING T831H
F4A-MP	SOLAIS LT6 (1) LAMP 1830-40-30V-WHITE, 40° BEAM, 1450 lumens	N/A	MONO POINT MOUNTED ACCENT LIGHT. PAR 30 LAMP. WHITE FINISH. MONO ADAPTER. T40N-WH INVIOLIGHT. PROVIDE WITH 15W MAX. RELAMP STICKERS. INPUT WATTS: 18W	JINO LIGHTING T831H
F4A-DH	SOLAIS LT6 (2) LAMPS 1830-40-30V-WHITE, 40° BEAM, 1450 lumens	N/A	DUAL HEAD MONO POINT MOUNTED ACCENT LIGHT. PAR 30 LAMP. WHITE FINISH. MONO ADAPTER. T40N-WH INVIOLIGHT. PROVIDE WITH 15W MAX. RELAMP STICKERS. INPUT WATTS: 44W	JINO LIGHTING T832H
F4B (X)	N/A	N/A	ONE-CIRCUIT TRACK. SEE PLAN FOR RUN LENGTH	JINO LIGHTING T24H, T44H, T64H, T84H
F5	LED 5W/FT	SUSPENDED	66 1/4" SUSPENDED LED LINEAR WITH WHITE HOUSING, AIRCRAFT CABLE SUSPENSION AND INTEGRAL DIMMABLE POWER SUPPLY. SALES AREA CEILING	BARTCO LIGHTING BT1205-6-30-RE-5-CMRE-FM
F5-EM	LED 5W/FT	SUSPENDED	SAME AS F5, BUT INCLUDES EMERGENCY BACKUP.	BARTCO LIGHTING BL1205-6-30-RE-5-CMRE-FM (CONFIRM WITH ARCHITECT)
F6	LED 30W	RECESSED (CEILING)	2'x2' LED FIXTURE WITH WHITE TRIM. BACK OF HOUSE LIGHTING	NATIONAL LT6 3E SERIES AFFINE 225-22-LED-2100(30W)-3000K-UNIVERSAL
F6-EM	LED	RECESSED (CEILING)	SAME AS F6, BUT INCLUDES EMERGENCY BACKUP.	NATIONAL LT6 3E SERIES AFFINE 225-22-LED-2100(30W)-3000K-UNIVERSAL
F7-EM	LED 2/30W	RECESSED (CEILING)	7" x 7" RECESSED CEILING MOUNTED CONCEALED DOWN EMERGENCY LIGHT WITH MAINTENANCE FREE 90 MINUTE BATTERY. CONFIRM FINISH WITH ARCH CEILING PLANS (WHITE). (120V) INPUT. 50W	ISOLITE M16N-25-LG-U
F8	LED 16W 2100* 1250 lumens	PENDANT	16" DIAMETER PENDANT LIGHT. EXTERIOR SHADE. MATTE BLACK FINISH AND FLAT WHITE UNDERSHADE. BLACK FIELD CUTTABLE CORD. AOR TO VERIFY DROP HEIGHT DOES NOT EXCEED CORD LENGTH. USE OVER COLLABORATION TABLES ONLY	BARN LIGHT BLE-C-WHA16-106-C5B20-LED16-2100
F9	LED 16W 2100* 1250 lumens	PENDANT	12" DIAMETER PENDANT LIGHT. EXTERIOR SHADE. MATTE BLACK FINISH AND FLAT WHITE UNDERSHADE. BLACK FIELD CUTTABLE CORD. USE OVER COLLABORATION BAR ONLY	BARN LIGHT USA BLE-C-WHA12-106-C5B20-LED16-2100
KK	LED	SURFACE	EMERGENCY INDOOR/OUTDOOR LED EGRESS LIGHT (CONNECTED TO BATTERY BACK UP UNIT). MOUNT LOCATION RATED WITH ALUMINUM SILVER FINISH. (120V) INPUT. 2.18W OR 15.2W WITH HTR	DUAL LITE PG SERIES PG-P
M-08	I-12.5H	SURFACE	PRO SERIES SOFT TASK LED UNDERCABINET LIGHT FIXTURE WITH POLY CARBONATE DIFFUSER AND WHITE EXTRUDED ALUMINUM HOUSING. (120V) INPUT. 12.5W	JINO LT6 US30-30K-40CRI-1H
L5-01	LED	N/A	LED STRIP LIGHT	OWNER'S FIXTURE MILLWORKER TO PROVIDE
T5-48	N/A	N/A	48W TRANSFORMER FOR PF4'	JESCO DL-PS 48/24
T5-60	N/A	N/A	60W TRANSFORMER FOR PF2'	JESCO DL-PS 60/24
Z	2-5W HALOGEN	SURFACE	EMERGENCY EGRESS LIGHT, WITH INTEGRAL BATTERY BACK UP, WHITE THERMOPLASTIC HOUSING. (2) 5W INCANDESCENT LAMPS. UNV. VOLTAGE	NAVILITE N4 SERIES N4NH

CONTACTOR SCHEDULE

CONTACTOR NO.	AMPS	PANELBOARD CIRCUIT NO.	CONTROL CIRCUIT VOLTS	OPERATION BY	LOAD NAME / ZONES
C1 (4 - POLE)	30	N/A	120	EMS	MERCHANDISE (SALES AREA)
C2 (4 - POLE)	30	N/A	120	EMS	MERCHANDISE (SALES AREA)
C3 (4 - POLE)	30	S1-24, S1-25	120	EMS	LIGHTING (SALES AREA)
C4 (4 - POLE)	30	N/A	120	EMS	LIGHTING (SALES AREA)
C5 (4 - POLE)	30	S2-26, S2-28, S2-30, S2-32	120	EMS	EXTERIOR (SIGNAGE)
C6 (4 - POLE)	30	N/A	120	EMS	EXTERIOR

FEEDER SCHEDULE

FEEDER NUMBER	FEEDER SIZE
①	REMOVE 4#1 + 1#8 GRD - 1 1/2" C
②	REMOVE 4#3/0 + 1#4 GRD - 2" C
③	NEW 4#1 + 1#8 GRD - 1 1/2" C
④	NEW 4#3/0 + 1#4 GRD - 2" C



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Schedules & Power Riser

SHEET NUMBER
94.01

Bid/Permit Documents

* ALL LIGHTING FIXTURES TO BE PROVIDED BY VERIZON WIRELESS.