

Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	A	9	Lithonia Lighting	RSX3 LED P1 40K R3 HVOLT-HSS-PAPER7-DDBXD	RSX Area Fixture Size 3 P1 Lumen Package 4000K CCT Type R3 Distribution with HS Shield	1	20310	1	194.708
	SL	8	Lithonia Lighting	WST LED P3 40K VW MVOLT	WST LED, Performance package 3, 4000 K, visual comfort wide, MVOLT	1	6689	0.9	50
	SLE	4	Lithonia Lighting	WST LED P2 40K VW MVOLT	WST LED, Performance package 2, 4000 K, visual comfort wide, MVOLT	1	3511	0.9	25
	D	2	Lithonia Lighting	RSX4 LED P6 40K R5	RSX Area Luminaire Size 4 P6 Lumen Package 4000K CCT Type R4 Distribution	1	70395	0.9	545.6631
	E	13	Lithonia Lighting	RSX3 LED P4 40K R4 HVOLT SPA PER7 DDBXD	RSX Area Fixture Size 3 P4 Lumen Package 4000K CCT Type R4 Distribution	1	40976	0.9	311.92
	H	30	Lithonia Lighting	RSX4 LED P5 40K R4 MVOLT HSWBA PER7 DDBXD	RSX Area Luminaire Size 4 P5 Lumen Package 4000K CCT Type R4 Distribution	1	62594	0.9	483.4963
	J	24	Lithonia Lighting	RSX4 LED P3 40K R4 HVOLT SPA PER7 DDBXD	RSX Area Luminaire Size 4 P3 Lumen Package 4000K CCT Type R4 Distribution	1	51095	0.9	738.8762
	K	4	Lithonia Lighting	RSX3 LED P2 40K R5S	RSX Area Fixture Size 3 P2 Lumen Package 4000K CCT Type R5S Distribution	1	31811	0.9	222.88

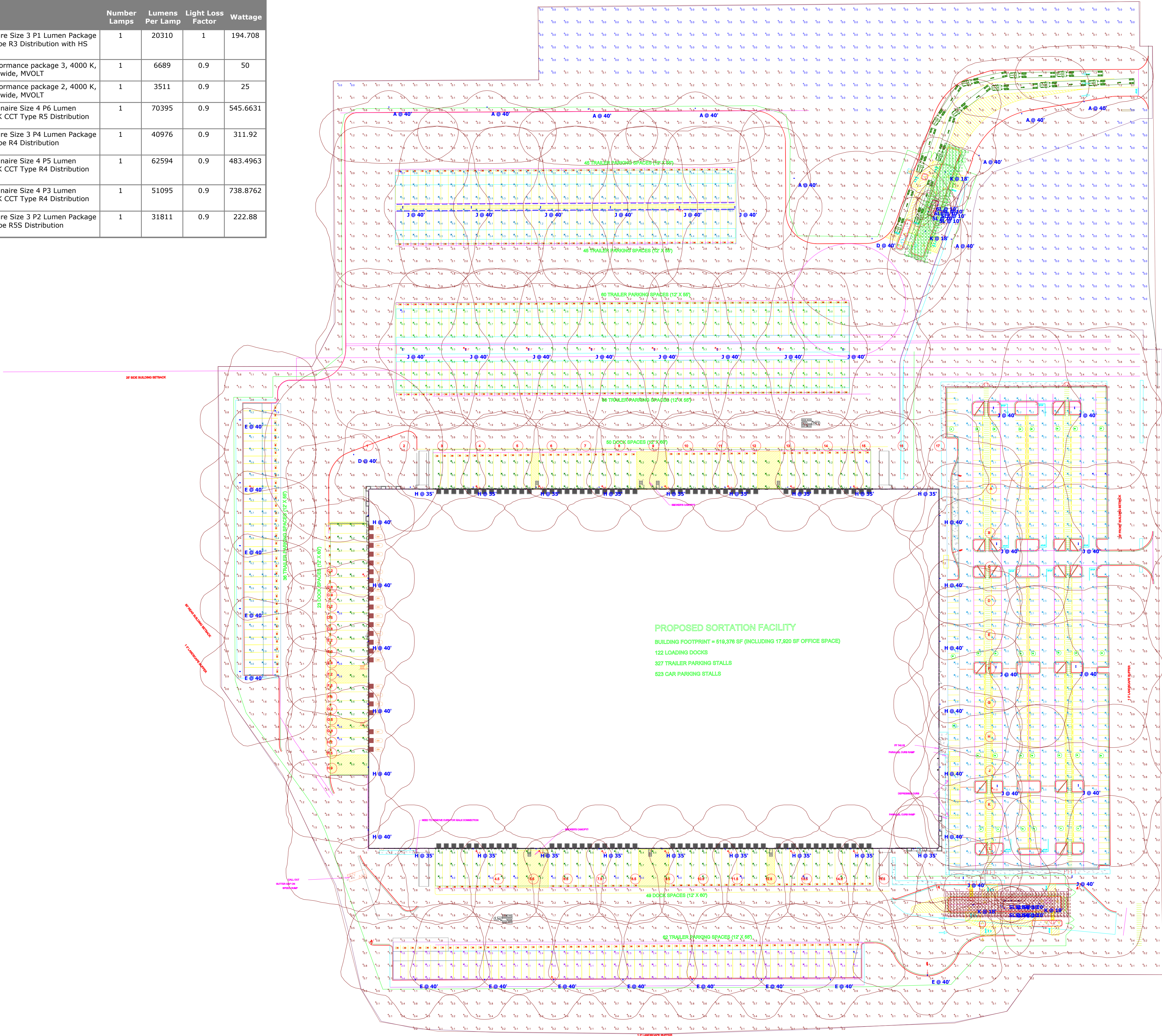
Note
LIGHTING VENDOR INFORMATION:

GC TO CONTACT CITY LIGHTING PRODUCTS FOR ALL LIGHTING FIXTURE AND LIGHTING CONTROLS INQUIRIES.

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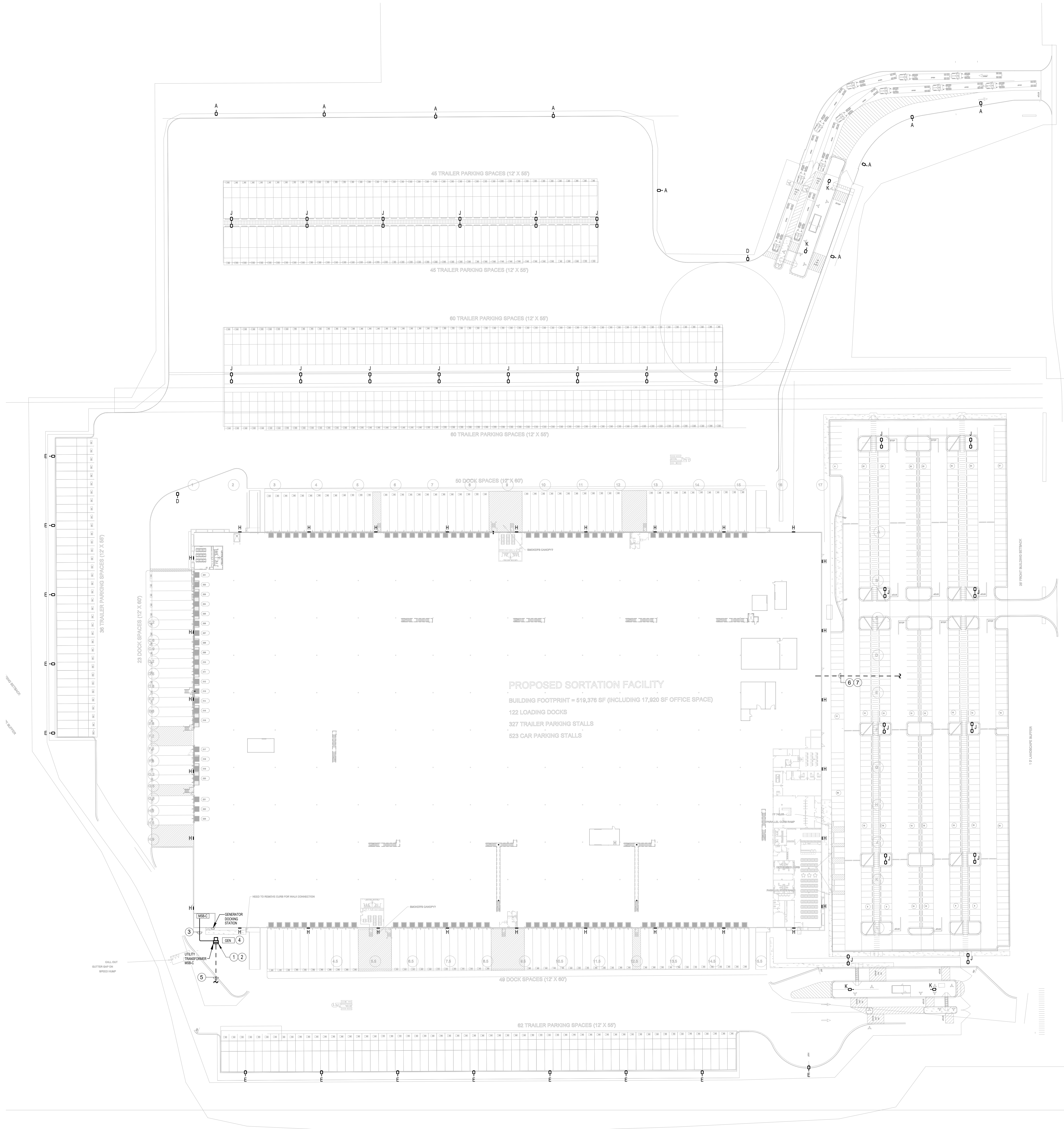
Statistics					
Description	Symbol	Avg	Max	Min	Max/Min Avg/Min
EAST PARKING LOT	✕	4.4 fc	11.0 fc	1.1 fc	10.0:1 4.0:1
GUARD SHACK	+	10.5 fc	46.3 fc	0.7 fc	66.1:1 15.0:1
GUARD SHACK	+	11.1 fc	37.7 fc	2.1 fc	18.0:1 5.3:1
LOADING DOCK	✕	6.1 fc	9.4 fc	4.0 fc	2.4:1 1.5:1
LOADING DOCK	✕	5.4 fc	8.3 fc	3.6 fc	2.3:1 1.5:1
LOADING DOCK	✕	6.1 fc	8.9 fc	4.1 fc	2.2:1 1.5:1
NORTH TRAILER PARKING	✕	5.2 fc	10.7 fc	2.5 fc	4.3:1 2.1:1
NORTH TRAILER PARKING	✕	5.3 fc	10.7 fc	2.7 fc	4.0:1 2.0:1
SITE	+	2.6 fc	13.2 fc	0.0 fc	N/A N/A
SOUTH TRAILER PARKING	✕	3.2 fc	4.9 fc	1.7 fc	2.9:1 1.9:1
WEST TRAILER PARKING	✕	3.3 fc	5.6 fc	1.9 fc	2.9:1 1.7:1



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1 OVERALL SITE UTILITIES & SITE LIGHTING PLAN
1" = 60'-0"



SITE ELECTRICAL GENERAL NOTES:

- (NOT ALL NOTES APPLY TO THIS DRAWING)
1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL REQUIREMENTS OF ANY LOCAL APPLICABLE CODES OR ORDINANCES, PUBLIC UTILITY COMPANY REGULATIONS, STATE CODE, AND NATIONAL ELECTRICAL CODE WITH INTERIM AMENDMENTS THERETO.
 2. ALL MATERIALS SHALL CONFORM TO THE LATEST ISSUE OF ALL APPLICABLE STANDARDS AS ESTABLISHED BY EEL, NEMA, ASTM, IPCOA, NATIONAL BOARD OF FIRE UNDERWRITERS & UNDERWRITERS LABORATORIES INC.
 3. CONTRACTOR SHALL LEAVE ENTIRE ELECTRICAL SYSTEM INSTALLED BY THE CONTRACTOR IN PROPER WORKING CONDITION AND REPLACE WITHOUT ADDITIONAL CHARGE ALL WORK OR MATERIALS WHICH MAY DEVELOP DEFECTS WITHIN A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE BY THE ENGINEER.
 4. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE TO NEC.
 5. REFER TO DWG E0.01 FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGEND.
 6. REFER TO WAREHOUSE SPACE POWER PLANS FOR PANEL LOCATIONS AND ADDITIONAL INFORMATION.
 7. REFER TO ONE LINE DIAGRAMS DWG. E6.03 FOR ADDITIONAL INFORMATION.
 8. MAXIMUM DISTANCE BETWEEN TRANSFORMER VULT AND/OR PRIMARY ENCLOSURE SHALL BE 500-FEET. FIELD COORDINATE EXACT LOCATION.
 9. ALL SITE ELECTRICAL EQUIPMENT LOCATIONS SHALL BE COORDINATED WITH THE CIVIL DRAWINGS. LOCATIONS SHOWN HERE ARE FOR REFERENCE ONLY.
 10. FURNISH AND INSTALL PROTECTIVE BOLLARDS AS REQUIRED. COORDINATED WITH THE CIVIL DRAWINGS.
 11. FOR ADDITIONAL BUILDING MOUNTED EMERGENCY EGRESS LIGHTING, ENTRY CANOPY LIGHTING, VAN LOAD OUT CANOPY AND ASSOCIATED WIRING INFORMATION REFER TO LIGHTING FLOOR PLANS.
 12. FOR EXACT SITE LIGHTING LUMINAIRE LOCATIONS AND LUMINAIRE SCHEDULES REFER TO DRAWING ES1.01 SITE PHOTOMETRIC PLAN.
 13. REFER TO EV CHARGER DRAWINGS FOR HIGH VOLTAGE SYSTEM.
 14. FOR POWER MINIMUM PULLBOX SIZE SHALL BE 36"X36"X24" (WDXH) AND COMMUNICATION PULLBOX SHALL BE 24"X24"X12" (WDXH). HOWEVER, CONTRACTOR SHALL REFER TO SPECIFICATION 26.05.34 TO SIZE PULLBOX BASED ON NUMBER OF CONDUITS.

SITE ELECTRICAL KEY NOTES:

- (NOT ALL KEY NOTES APPLY TO THIS DRAWING)
1. UTILITY PAD-MOUNTED TRANSFORMER (TO BE PROVIDED BY UTILITY COMPANY), TRANSFORMER PAD, FURNISH & INSTALL PROTECTIVE BOLLARDS PER LOCAL UTILITY COMPANY REQUIREMENTS.
 2. PROVIDE METER BASE & NEMA 3R CT CABINET (IF REQUIRED), COORDINATE EXACT INSTALLATION REQUIREMENTS WITH LOCAL ELECTRIC COMPANY MTEMC.
 3. SECONDARY SERVICE CONDUITS TO BE EXTENDED TO NEW SWITCHBOARD LOCATION. REFER TO ONE-LINE POWER RISER DIAGRAM AND UNDERGROUND DUCTBANK DETAIL FOR ADDITIONAL INFORMATION.
 4. 400KW NATURAL GAS (NG) POWERED GENERATOR. PROVIDE ALL NECESSARY CONDUIT TO GENERATOR FOR CONTROLS, ATS CONNECTIONS & POWER FEEDERS PER PLANS. REFER TO ONE-LINE POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION. PROVIDE POWER CONNECTIONS TO GENERATOR BATTERY CHARGER & CRANK CASE HEATER FROM PANELBOARD LP". COORDINATE EXACT REQUIREMENTS WITH VENDOR PRIOR TO THE START OF ANY WORK. PROVIDE CIRCUITS PER MANUFACTURER SPECIFICATIONS.
 5. PROVIDE 5" SCHEDULE 80 PVC PRIMARY SERVICE CONDUITS WITH PULL TAPE FROM THE PROPERTY LINE TO THE MINIMUM POINT OF ENTRY AS IDENTIFIED BY THE UTILITY REPRESENTATIVE. COORDINATE PRIMARY CONDUIT QUANTITIES AND UNDERGROUND PRIMARY CONDUIT INSTALLATION REQUIREMENTS WITH LOCAL ELECTRIC UTILITY. COORDINATE EXACT PRIMARY SERVICE CONDUIT ROUTING WITH LOCAL UTILITY AND CIVIL ENGINEER.
 6. (4) 4" SCHEDULE 80 PVC CONDUITS FROM LOCAL TELCOM PROVIDER SERVICE. COORDINATE EXACT CONDUIT ROUTINGS AND ADDITIONAL REQUIREMENTS WITH LOCAL TELCOM PROVIDER AND CIVIL ENGINEER. REFER TO UTILITY ROOM POWER PART PLAN FOR TELCOM CONDUIT TERMINATIONS LOCATION AND ADDITIONAL REQUIREMENTS.
 7. COORDINATE TELCOM SERVICE CONNECTION WITH LOCAL TELCOM SERVICE PROVIDER AND CIVIL ENGINEER.
 8. PROVIDE (3) 2" CONDUITS TO GUARD HOUSE. (2) 2" CONDUITS WITH PULL STRINGS FOR TELEDATA AND (1) 2" FOR POWER. PROVIDE ALL NECESSARY CONDUIT TO SECURITY DESK AS DEFINED BY TELECOM DRAWINGS (MIN (1) 2" CONDUIT). COORDINATE INSTALLATION OF ALL CONDUIT AND CONNECTION TO PANELS.
 9. MONUMENT SIGN. COORDINATE POWER REQUIREMENTS WITH SIGN MANUFACTURER AND INSTALLER. COORDINATE FINAL SIGN LOCATION WITH PROJECT CONSTRUCTION MANAGER. PROVIDE 30A/480V, 2 POLE, NEMA 3R DISCONNECT SWITCH.
 10. PROVIDE FLUSH GROUND MOUNTED ELECTRICAL PULLBOX WITH COVER TO SUPPORT FUTURE EV DUAL OR QUAD CHARGERS. PULLBOX IS TO BE INSTALLED AS PART OF UNDERGROUND RACEWAY SCOPE. PULLBOX SHALL BE SIZED PER DETAIL.
 11. PROVIDE FLUSH GROUND MOUNTED AUXILIARY PULLBOX WITH COVER TO SUPPORT FUTURE EV CHARGERS. PULLBOX IS TO BE INSTALLED AS PART OF UNDERGROUND RACEWAY SCOPE. PULLBOX SHALL BE SIZED PER DETAIL.
 12. ON EV CHARGER SIDE OF ELECTRICAL PULLBOX. PROVIDE ONE (1) CONDUIT FOR POWER TO EACH DUAL EV CHARGER STATION SHOWN. QUANTITY OF DUAL EV CHARGERS TO BE SERVED IS NOTED IN PULLBOX SYMBOL. SEE DETAIL FOR CONDUIT TERMINATION REQUIREMENTS. REFER TO TABLE #1 FOR CHARGER STATION CONDUIT REQUIREMENTS BASED ON CHARGER VOLTAGE. REFER TO DETAIL FOR RACEWAY SIZING REQUIREMENTS.
 13. ON EV CHARGER SIDE OF ELECTRICAL PULLBOX. PROVIDE ONE (1) CONDUIT FOR POWER TO EACH DUAL EV CHARGER STATION SHOWN. QUANTITY OF QUAD EV CHARGERS TO BE SERVED IS NOTED IN PULLBOX SYMBOL. SEE DETAIL FOR CONDUIT TERMINATION REQUIREMENTS. REFER TO TABLE #1 FOR CHARGER STATION CONDUIT REQUIREMENTS BASED ON CHARGER VOLTAGE. REFER TO DETAIL FOR RACEWAY SIZING REQUIREMENTS.
 14. ON EV CHARGER SIDE OF AUXILIARY PULLBOX. PROVIDE ONE (1) CONDUIT FOR AUXILIARY CABLE TO EACH DUAL OR QUAD EV CHARGER STATION SHOWN. QUANTITY OF DUAL EV CHARGERS TO BE SERVED IS NOTED IN PULLBOX SYMBOL. SEE DETAIL FOR CONDUIT TERMINATION REQUIREMENTS. REFER TO TABLE #1 FOR CHARGER STATION CONDUIT REQUIREMENTS BASED ON CHARGER VOLTAGE. REFER TO DETAIL FOR RACEWAY SIZING REQUIREMENTS.
 15. ON LOW VOLTAGE SWITCHBOARD SIDE OF ELECTRICAL PULLBOX. PROVIDE ONE 4" CONDUIT FOR EVERY (2) TWO DUAL OR (1) ONE QUAD EV CHARGERS SERVED (OR PORTION THEREOF) FOR FUTURE BRANCH CIRCUIT WIRING BACK TO LOW VOLTAGE SWITCHBOARD. THE INTENT IS TO COMBINE UP TO TWO EV CHARGER BRANCH CIRCUIT CONDUCTORS INTO A SINGLE CONDUIT FROM THE PULLBOX TO THE SWITCHBOARD.
 16. ON COMMUNICATION HUB/LOAD MANAGEMENT SERVICE SIDE OF AUXILIARY PULLBOX. PROVIDE ONE 2" CONDUIT FOR EVERY THREE EV CHARGERS STATIONS SERVED (OR PORTION THEREOF) FOR FUTURE AUXILIARY CABLE BACK TO COMMUNICATIONS HUB LOCATED AT LOW VOLTAGE SWITCHBOARD. THE INTENT IS TO COMBINE UP TO THREE EV CHARGER AUXILIARY CABLES INTO A SINGLE CONDUIT FROM THE PULLBOX TO THE COMMUNICATION HUB.
 17. FUTURE LOW VOLTAGE SWITCHBOARD LOCATION. LV SWITCHBOARD WILL BE FED FROM ADJACENT FUTURE PAD MOUNTED TRANSFORMER AND WILL CONTAIN A MAIN OVERCURRENT PROTECTIVE DEVICE AND ALL OF THE BRANCH CIRCUIT BREAKERS TO SERVE ALL OF THE EV CHARGERS FED FROM THIS LV SWITCHBOARD. LV SWITCHBOARD WILL ALSO HAVE A PORTABLE GENERATOR CONNECTION CABLE SUITABLE TO CONNECT TO THE ENTIRE SWITCHBOARD LOAD TO A PORTABLE GENERATOR. PROVIDE TRISTAR CONNECTION CABINET OR EQUAL. EV CHARGER CONDUITS STUBBED TO THIS LOCATION (SEE KEYNOTE 6) SHALL BE GROUPED TOGETHER TO BE ABLE TO FIT INTO THE BOTTOM OF THE SWITCHBOARD CONDUIT WINDOW(S).
 18. FUTURE COMMUNICATION SYSTEM HUB/LOAD MANAGEMENT LOCATION. PROVIDE (1) 2" CONDUIT FROM COMMUNICATION HUB TO DEMARC ROOM IN BUILDING TO SUPPORT FUTURE COMMUNICATION CABLE. IT IS ANTICIPATED THAT THE FUTURE COMMUNICATIONS CABLE WILL BE FIBER OPTIC CABLE. CONDUIT SHALL BE SUITABLE FOR FIBER OPTIC CABLE (SWEEPING BENDS). PROVIDE 16" SQUARE BY 24" DEEP FLUSH GROUND MOUNTED PULLBOXES LOCATED IN LANDSCAPED AREAS (NON-TRAFFIC AREAS) SPACED NO GREATER THAN EVERY 250' TO SUPPORT PULLING OF FUTURE FIBER OPTIC CABLE. FIELD VERIFY LOCATIONS. PROVIDE TRAFFIC RATED PULLBOXES IF PULLBOXES ARE LOCATED IN TRAFFIC AREAS.
 19. PROVIDE UNDERGROUND CONDUIT FOR FUTURE PRIMARY SERVICE TO PAD MOUNTED 15KV SWITCH LOCATIONS SHOWN (6-C 4-COMPARTMENT LOAD BREAK SWITCH 15KV-10 OR EQUAL). PROVIDE ONE (1) 6" CONDUIT FOR EACH RUN SHOWN. REFER TO DETAIL FOR REQUIREMENTS. CONDUITS SHALL RUN FROM PAD MOUNTED SWITCH LOCATIONS BACK TO MAIN 15KV SWITCHGEAR. CONDUITS STUBBED TO THE SWITCH LOCATION SHALL BE GROUPED TOGETHER TO BE ABLE TO FIT INTO THE BOTTOM OF THE SWITCHGEAR CONDUIT WINDOW(S).
 20. PROVIDE UNDERGROUND CONDUIT FOR FUTURE PRIMARY SERVICE TO PAD MOUNTED TRANSFORMER LOCATIONS SHOWN. PROVIDE ONE (1) 6" CONDUIT FOR EACH RUN SHOWN. CONDUIT SHALL RUN FROM PAD MOUNTED TRANSFORMER TO PAD MOUNTED SWITCH. CONDUITS SHALL BE LOCATED TO ALLOW FOR ENTRY INTO PAD MOUNTED TRANSFORMER CONDUIT WINDOW OPENINGS.
- ROLL-UP GENERATOR QUICK CONNECT DOCKING STATION. COORDINATE FINAL LOCATION WITH TENANTS REPRESENTATIVE PRIOR TO ROUGH-IN. REFER TO ONE-LINE POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD FOR ELECTRICAL EQUIPMENT, MINIMUM 4" HIGH AND EDGE OF PAD EXTENDING 4" BEYOND EDGE OF EQUIPMENT FRAME. CHAMFER ALL OUTSIDE CORNER.
- PROVIDE UTILITY POWER MANHOLE/VAULT PER UTILITY REQUIREMENTS.
- LOCATE POWER AND TELECOM UTILITY CONDUITS IN A JOINT TRENCH. PROVIDE SPACING BETWEEN SEPARATE UTILITIES PER UTILITY REQUIREMENTS. COORDINATE WITH CIVIL.
- CONTINUE CONDUIT TO NEAREST UTILITY VAULT OR POWER POLE.
- PROVIDE UTILITY TELECOM MANHOLE/VAULT PER UTILITY REQUIREMENTS.
- CONTINUE TO NEARBY UTILITY VAULT OR UTILITY POLE.
- NEW POLE MOUNTED LUMINAIRE. WIRE NEW LUMINAIRE TO NEW 277V, 20A SITE LIGHTING BRANCH CIRCUIT AS SHOWN.
- NEW WALL MOUNTED LUMINAIRE. WIRE NEW LUMINAIRE TO NEW 277V, 20A SITE LIGHTING BRANCH CIRCUIT AS SHOWN.
- COORDINATE EXACT EXTERIOR PYLON SIGN POWER CONNECTION REQUIREMENTS WITH SIGN MANUFACTURER AND INSTALLER. COORDINATE FINAL SIGN LOCATION WITH PROJECT CONSTRUCTION MANAGER.
- COORDINATE FINAL BUILDINGS SIGN LOCATION WITH ARCHITECTURAL ELEVATIONS.

MOUNTING HEIGHT OF FIXTURES:

- FIXTURE TYPE A @ 40'
FIXTURE TYPE D @ 40'
FIXTURE TYPE E @ 40'
FIXTURE TYPE H @ 35'-40'
FIXTURE TYPE J @ 40'
FIXTURE TYPE K @ 18'
FIXTURE TYPE SL & SLE @ 10'