NOTE:

1. NOT ALL SYMBOLS SHOWN WILL BE USED ON THIS PROJECT.

ELECTRICAL LEGEND

LUMINAIRES

- A — LUMINAIRE AND OUTLET BOX. LETTER INDICATES LUMINAIRE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
- a/b — LUMINAIRE AND OUTLET BOX WIRED FOR MULTILEVEL SWITCHING, LOWER CASE LETTER INDICATES SWITCHLEG DESTINATION.
- AE — LUMINAIRE AND OUTLET BOX, WITH PROVISIONS FOR EMERGENCY LIGHTING. LETTER INDICATES LUMINAIRE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
- M — WALL MOUNTED LUMINAIRE AND OUTLET BOX. LETTER INDICATES LUMINAIRE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
- X / X — CEILING OR WALL MOUNTED EXIT SIGN AND OUTLET BOX. PROVIDE NUMBER OF ARROWS AND FACES INDICATED. LETTER INDICATES LUMINAIRE TYPE. SEE LIGHTING FIXTURE SCHEDULE. WALL MT AT 96" AFF.
- C — RECESSED OR PENDANT MOUNTED LUMINAIRE AND OUTLET BOX. LETTER INDICATES LUMINAIRE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
- D — WALL MOUNTED LUMINAIRE AND OUTLET BOX. LETTER INDICATES LUMINAIRE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
- CEILING OR WALL MOUNTED LUMINAIRE AND OUTLET BOX WITH PROVISIONS FOR EMERGENCY LIGHTING.
- EMERGENCY LIGHT UNIT
- REMOTE HEAD OR FLOOD LUMINAIRE
- WALL WASH DOWNLIGHT
- OA — POLE MOUNTED TYPE
- POST-TOP OR BOLLARD TYPE
- CEILING FAN

EQUIPMENT

- M 1/2 — MOTOR, HORSEPOWER AS INDICATED
- MOD — MOTORIZED DAMPER
- 2/60/40/1 — 3-POLE COMBINATION MAGNETIC MOTOR STARTER/ DISCONNECT (NEMA SIZE/ FUSE SIZE/ NEMA ENCLOSURE) NF = NONFUSED
- 40/40/3 — DISCONNECT SWITCH, (SWITCH AMPS/ FUSE SIZE/ POLES/ NEMA ENCLOSURE) NF = NON-FUSED
- CB 40/2/3R — INDIVIDUALLY MOUNTED CIRCUIT BREAKER, (CB SIZE/ POLES/ NEMA ENCLOSURE)
- T 30 — DRY TYPE TRANSFORMER, KVA AS INDICATED
- M — METER
- EM — ELECTRONIC METER
- PANELBOARD, SEE SCHEDULES
- DISTRIBUTION PANELBOARD
- EQUIPMENT AS INDICATED
- J / J — CEILING OR WALL MOUNTED JUNCTION BOX
- J — PULL OR JUNCTION BOX

WIRING DEVICES

- SIMPLEX RECEPTACLE NEMA 5-20R, MT 18" AFF, UIO
- DUPLEX RECEPTACLE NEMA 5-20R, MT 18" AFF, UIO
- DUPLEX RECEPTACLE, NEMA 5-20R, MT 48" AFF OR ABOVE COUNTER TOP/BACKSPLASH
- DUPLEX GFI RECEPTACLE NEMA 5-20R, MT 18" AFF, UIO
- DUPLEX GFI RECEPTACLE NEMA 5-20R, MT 48" AFF OR ABOVE COUNTER TOP/BACKSPLASH
- DOUBLE-DUPLEX RECEPTACLE NEMA 5-20R, MT 18" AFF, UIO
- SWITCHED DUPLEX RECEPTACLE NEMA 5-20R, MT 18" AFF, UIO
- SWITCHED DUPLEX RECEPTACLE NEMA 5-20R, MT 48" AFF OR ABOVE COUNTER TOP/BACKSPLASH
- SWITCHED DUPLEX GFI RECEPTACLE NEMA 5-20R, MT 18" AFF, UIO
- SWITCHED DUPLEX GFI RECEPTACLE NEMA 5-20R, MT 48" AFF OR ABOVE COUNTER TOP/BACKSPLASH
- EWC — DOUBLE-DUPLEX GFI RECEPTACLE, NEMA 5-20R, MOUNTED CONCEALED BEHIND ELECTRIC WATER COOLER
- FLOOR BOX WITH DUPLEX RECEPTACLE NEMA 5-20R. PROVIDE FIRE RATED POKE THRU DEVICES ON ALL FLOORS ABOVE GROUND LEVEL.
- 5-30R — SPECIAL RECEPTACLE, NEMA TYPE AS INDICATED, MT 18" AFF UIO
- CEILING BOX WITH DUPLEX RECEPTACLE, NEMA 5-20R

RECEPTACLE SUBSCRIPTS

- WP = IN-USE WEATHER PROOF
- TR = TAMPER RESISTANT
- TV = TELEVISION, MOUNT AT 60" AFF
- AFCI = ARC FAULT CIRCUIT INTERRUPTER
- R = REFRIGERATOR
- CM = COFFEE MAKER
- MW = MICROWAVE
- DW = DISHWASHER
- IM = ICE MAKER

- FLOOR BOX SUITABLE FOR CONCRETE FLOOR POUR; 4-GANG FLOOR BOX - AV, POWER, AND TELECOMMUNICATIONS; FLUSH COVER/FLANGE WITH HINGED ACCESS TO RECEPTACLES AND JACKS RECESSED BELOW COVER IN FLOOR BOX. SEE T-001 FOR DEVICES.

- S — WALL SWITCH, AC TYPE, SPST, MOUNT 48" AFF
- S_2 — WALL SWITCH, AC TYPE, DPDT, MOUNT 48" AFF
- S_3 — 3-WAY WALL SWITCH, MOUNT 48" AFF
- S_4 — 4-WAY WALL SWITCH, MOUNT 48" AFF
- S_D — SLIDE DIMMER, MT 48" AFF
- S_M — MOTOR RATED DISCONNECT SWITCH WITH THERMAL OVERLOADS, SPST, MT. ON UNIT, UIO.
- S_V — WALL MOUNTED, DUAL TECHNOLOGY VACANCY SWITCH, MT. 48" AFF
- S_O — WALL MOUNTED, DUAL TECHNOLOGY OCCUPANCY SWITCH, MT. 48" AFF
- S_{LV} — LOW VOLTAGE ON/OFF WALL SWITCH, WALL MT. 48" AFF. PROVIDE DIMMER CONTROL WITH DIMMABLE FIXTURES INTEGRAL WITH SWITCH.
- OS — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
- PE — PHOTOELECTRIC CELL

WIRING

- LA-1,3,5 — CIRCUIT HOMERUN TO PANELBOARD, LA-1,3,5 ADJACENT TO ARROW INDICATES HOMERUN OF CIRCUITS, 1,3,5 TO PANEL LA. MARKS ACROSS RACEWAY INDICATE THE NUMBER OF PHASE CONDUCTORS AND NEUTRAL IN RACEWAY. GROUND CONDUCTORS ARE INDICATED BY LONGER HASHMARKS. NO MARKS ACROSS RACEWAY INDICATES 2#12 CONDUCTORS AND 1 #12 GROUND CONDUCTOR. CONDUCTOR SIZE # 12 UNLESS INDICATED OTHERWISE. MINIMUM RACEWAY SIZE SHALL BE 3/4"
- RACEWAY EXPOSED TO VIEW
- CONCEALED RACEWAY, LOCATED IN WALL OR ABOVE FINISHED CEILING
- UNDERGROUND RACEWAY, LOCATED BELOW GRADE OR CONCRETE SLAB
- FLEXIBLE RACEWAY
- RACEWAY TURNED TOWARD VIEWER
- RACEWAY TURNED AWAY FROM VIEWER
- RACEWAY TERMINATION, STUB-OUT AND CAP
- PLUG-IN BUSWAY, UIO
- SURFACE METAL RACEWAY OR MULTIOUTLET ASSEMBLY AS INDICATED
- CABLE TRAY (SIZE AS INDICATED ON PLAN)
- 2W4" — DUCTBANK, TEXT INDICATES QUANTITY AND SIZE OF DUCTS (I.E. 2W4" = TWO 4" DUCTS)

LIGHTNING PROTECTION

- 3/4" x 10'-0" COPPERCLAD GROUND ROD, 18" BFG
- GROUND ROD TEST WELL
- GROUND CONNECTION
- G — BARE COPPER GROUND CONDUCTOR, 1/0 UIO.
- G4 — 4/0 BARE COPPER GROUND CONDUCTOR
- LIGHTNING PROTECTION SYSTEM AIR TERMINAL
- LP — LIGHTNING PROTECTION ROOF CONDUCTOR
- ELECTRICAL CONNECTION
- S — 3/4" x 10'-0" COPPERCLAD STATIC GROUND ROD, 18" BFG

SITE

- ELECTRICAL MANHOLE
- ELECTRICAL HANDHOLE
- PAD MOUNTED TRANSFORMER
- POWER POLE
- 2 — DOWN GUY AND ANCHOR (QUANTITY AS INDICATED)

ONE-LINE

- TRANSFORMER
- CURRENT TRANSFORMER
- FUSE
- ELECTRICAL CONNECTION
- CIRCUIT BREAKER
- SWITCH
- SURGE ARRESTORS
- SEPARABLE CONNECTION
- 45 — DRY TYPE TRANSFORMER, K-4 RATED, KVA AS INDICATED
- GROUND ROD
- GROUND

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NORFOLK SOUTHERN CORPORATION

MARK	DESCRIPTION	DATE

DESIGNED BY: TCG
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SUBMITTED BY:
ISSUED FOR CONSTRUCTION: DD-MMM-YYYY

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ELECTRICAL LEGEND

SHEET ID

E-002

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