

GENERAL POWER NOTES

- TELEPOWER POLE(S) MOUNT JUNCTION BOX(ES) TO TOP SIDE OF BOTTOM CHORD OF BAR JOIST. INSTALL FURNISHED PRE-WIRED POWER POLE AND TERMINATE PROVIDED FLEXIBLE CONDUIT AND WIRING TO JUNCTION BOX. PROVIDE UNISTRUT SUPPORTS AND HARDWARE TO SECURE TELEPOWER POLE PLUMB TO BUILDING STRUCTURE. REF POWER POLE CONNECTION DETAIL.
 - PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
 - WHERE EQUIPMENT NAMEPLATE PROTECTIVE DEVICE RATING DIFFERS FROM SIZE PROVIDED, CHANGE OUT BRANCH CIRCUIT WIRING AND OVERCURRENT DEVICE TO APPROPRIATE RATING PER NEC.
 - ELECTRONIC FIRE PROTECTION SECURITY ALARM BOXES AND CONDUITS SHOWN ON POWER PLANS SHALL BE PROVIDED BY THIS CONTRACTOR. IN ADDITION, UNLESS NOTED OTHERWISE, THE FOLLOWING GENERAL NOTES APPLY:
 - ALL ALARM JUNCTION BOXES SHALL BE 4"x4"x2" MINIMUM.
 - ALARM RECEIVERS SHALL BE 1/2" MINIMUM WITH FULL WIRE AND BUSHINGS.
- VERTICAL RACEWAYS FOR ALARM BOXES SHALL BE EITHER CONCEALED INSIDE WALL OR SURFACE MOUNTED TO MATCH JUNCTION BOX TYPED WIREWORK AT TOP SIDE OF BOTTOM CHORD OF BAR JOIST. HORIZONTAL RACEWAYS SHALL BE MOUNTED TO A LOCATION ACCESSIBLE BY VERTICAL FLOOR TYPE LIFT.
- UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT:
 - INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
 - PERFORM CONTINUITY TEST.
 - VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.

KEYNOTES

- 16.222 MOUNTING OF CABLE TRAY: CABLE TRAY TO BE MOUNTED ABOVE BAR JOIST, WHERE PERPENDICULAR TO JOISTS, UTILIZE TOP OF BOTTOM CHORDS OF BAR JOISTS TO SUPPORT TRAY. WHERE PARALLEL TO JOISTS, UTILIZE UNISTRUT ASSEMBLY AS NECESSARY TO SUPPORT CABLE TRAY. COORDINATE CABLE TRAY LOCATION WITH STRUCTURAL SUPPORTS SO THAT CABLE TRAY DOES NOT HAVE TO BE NOTCHED FOR X-BRACES. ADJUST FINAL LOCATION AS NECESSARY IN ORDER TO AVOID INSTALLING CABLE TRAY DIRECTLY UNDER SKYLIGHT WELLS. COORDINATE ROUTING WITH SPRINKLER PIPING IN ORDER TO MAINTAIN 3" MINIMUM CLEARANCE FROM ALL SPRINKLERS.
- 16.223 JOB CRANE MOUNT RECEPTACLE TO GUARD-RAIL STRUCTURE. ROUTE CONDUIT FROM RECEPTACLE ALONG GUARD-RAIL STRUCTURE AND PENETRATE WALL 2'-0" BELOW ROOF DECK.
- 16.225 ELECTRONIC ARTICLE SURVEILLANCE SYSTEM: MOUNT JUNCTION BOX AT TRUSS. EXTEND CIRCUIT AND TERMINATE TO RECEPTACLE IN EAS ENCLOSURE UPON INSTALLATION OF EAS SYSTEM. PROVIDE 6'-0" OF LIQUID-TIGHT FLEXIBLE METAL CONDUIT (WITH PULL WIRE) FROM EAS ENCLOSURE TO ADJACENT EAS PEDESTAL. PROVIDE 3/4" CONDUIT (WITH PULL WIRE) FROM ENCLOSURE, ROUTED UP TO TRUSS, OVER AND DOWN GATEPOST OPPOSITE FROM ENCLOSURE, WITH MINIMAL LENGTH OF EACH CONDUIT NOT TO EXCEED 30'. PROVIDE 6'-0" OF LIQUID-TIGHT FLEXIBLE METAL CONDUIT AT EACH END OF CONDUIT. PROVIDE A 3/4" CONDUIT (WITH PULL WIRE) FROM ENCLOSURE TO SEASONAL SHOP ACCESSIBLE CEILING SPACE.
- 16.229 AIR HANDLING UNIT IS PROVIDED WITH A DISCONNECT SWITCH AND GFI DUPLEX RECEPTACLE. PROVIDE NEMA 3R 12"X12"X6" HINGED LOCKABLE GASKETED JUNCTION BOX (HOFFMANN #A-172) OR EEDUAL MOUNTED 2'-0" FROM TWO SIMPLEX TWISTLOCK RECEPTACLES AND VOICEDATA JUNCTION BOX INSIDE ENCLOSURE. PROVIDE FEED THRU GFI DEVICE (LEVITON #6490-I) AHEAD OF EACH RECEPTACLE.
- 16.232 AUTOMATIC DOOR OPERATOR: VERIFY LOCATION WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION. ALL CONDUIT AND WIRING SHALL BE CONCEALED AT MAIN ENTRANCE DOORS.
- 16.233 ROOF TOP UNIT IS PROVIDED WITH A HACR RATED CIRCUIT BREAKER AND GFI DUPLEX RECEPTACLE.
- 16.243 INSTALL MANUFACTURER FURNISHED JUNCTION BOX ABOVE DOOR HEADER FOR SECURITY CABLING. PROVIDE 1" CONDUIT (WITH PULL WIRE) FROM JUNCTION BOX TO STRUCTURE. TERMINATE AT BAR JOIST WITH BUSHING. COORDINATE INSTALLATION WITH MANUFACTURER'S REQUIREMENTS.
- 16.403 MOUNTING OF TRACK BUSWAY: WHERE PERPENDICULAR TO JOISTS, MOUNT TIGHT TO THE BOTTOM OF TOP CHORD OF BAR JOIST USING 3/8" THREADED ROD AND FURNISHED BUSWAY ROD HANGERS. HANGERS SHALL BE SPACED AT A MAXIMUM OF 15'-0" ON CENTER, WHERE PARALLEL TO JOISTS, UTILIZE UNISTRUT ASSEMBLY TO MOUNT BUSWAY TIGHT TO THE BOTTOM OF THE TOP CHORD OF THE JOIST ORDER. COORDINATE EXACT LOCATION WITH STRUCTURAL SUPPORTS. COORDINATE ROUTING WITH SPRINKLER PIPING IN ORDER TO MAINTAIN 1" MINIMUM CLEARANCE FROM ALL SPRINKLERS.
- 16.611 UNITS WITH SMOKE DETECTORS: PROVIDE 3/4" CONDUIT FROM LOW VOLTAGE WIRING COMPARTMENT, DOWN THROUGH ROOF CURB REFERENCE MECHANICAL SCHEDULES FOR APPLICABLE UNITS.
- 16.706 PROVIDE GROUNDING ELECTRODE CONNECTION FOR SEPARATELY DERIVED SYSTEM IN COMPRESSOR HOUSE. ROUTE GROUNDING ELECTRODE CONDUCTOR FROM TRANSFORMER TO EFFECTIVELY GROUND TO STRUCTURAL STEEL IN MAIN BUILDING.
- 16.902 EXTERIOR SIGN POWER: WHERE ELECTRICAL CONNECTIONS FOR SIGNAGE OCCUR BELOW ROOF LINE, MOUNT JUNCTION BOX(ES) TO WALL AT SIGN CONNECTION POINT AND PROVIDE 3/4" CONDUIT TO CONTROL BOX FOR LOW VOLTAGE WIRING (INSTALLED BY OTHERS). REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIGN LOCATIONS. PRIOR TO INSTALLATION, WHERE ELECTRICAL CONNECTIONS FOR SIGNAGE OCCUR ABOVE ROOF LINE, PROVIDE UNISTRUT TO MOUNT JUNCTION BOX(ES) TO BACK SLOPE PARAPET AND PROVIDE 3/4" CONDUIT TO CONTROL BOX FOR LOW VOLTAGE WIRING (INSTALLED BY OTHERS). PROVIDE ONLY ONE PENETRATION THROUGH THE ROOF. REF ARCHITECTURAL EXTERIOR WALL SECTIONS AND SIGN ATTACHMENT FOR ROOF AND PARAPET PENETRATION REQUIREMENTS.
- 16.999 FLAGPOLE FINAL BALL LIGHT: INSTALL TRANSFORMER PROVIDED WITH FINAL BALL AT STRUCTURE. ROUTE LOW VOLTAGE WIRING FROM TRANSFORMER TO FINAL BALL LIGHT THROUGH INSIDE OF FLAGPOLE. CONTRACTOR SHALL FURNISH AND INSTALL PHOTOELECTRIC SWITCH ON CIRCUIT FOR "ON AT DUSK/OFF AT DAWN" OPERATION.

RETAIL DESIGN COLLABORATIVE

STIPULATION FOR USE OF THIS DRAWING: THIS DRAWING IS THE PROPERTY OF RETAIL DESIGN COLLABORATIVE AND IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF RETAIL DESIGN COLLABORATIVE. THIS DRAWING IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE USED FOR ANY OTHER PROJECT OR SITE WITHOUT THE WRITTEN PERMISSION OF RETAIL DESIGN COLLABORATIVE.

Walmart
LEESBURG, VIRGINIA
STORE NO. 1804
11/09/26 - PHOTO 1/00 SCL-01

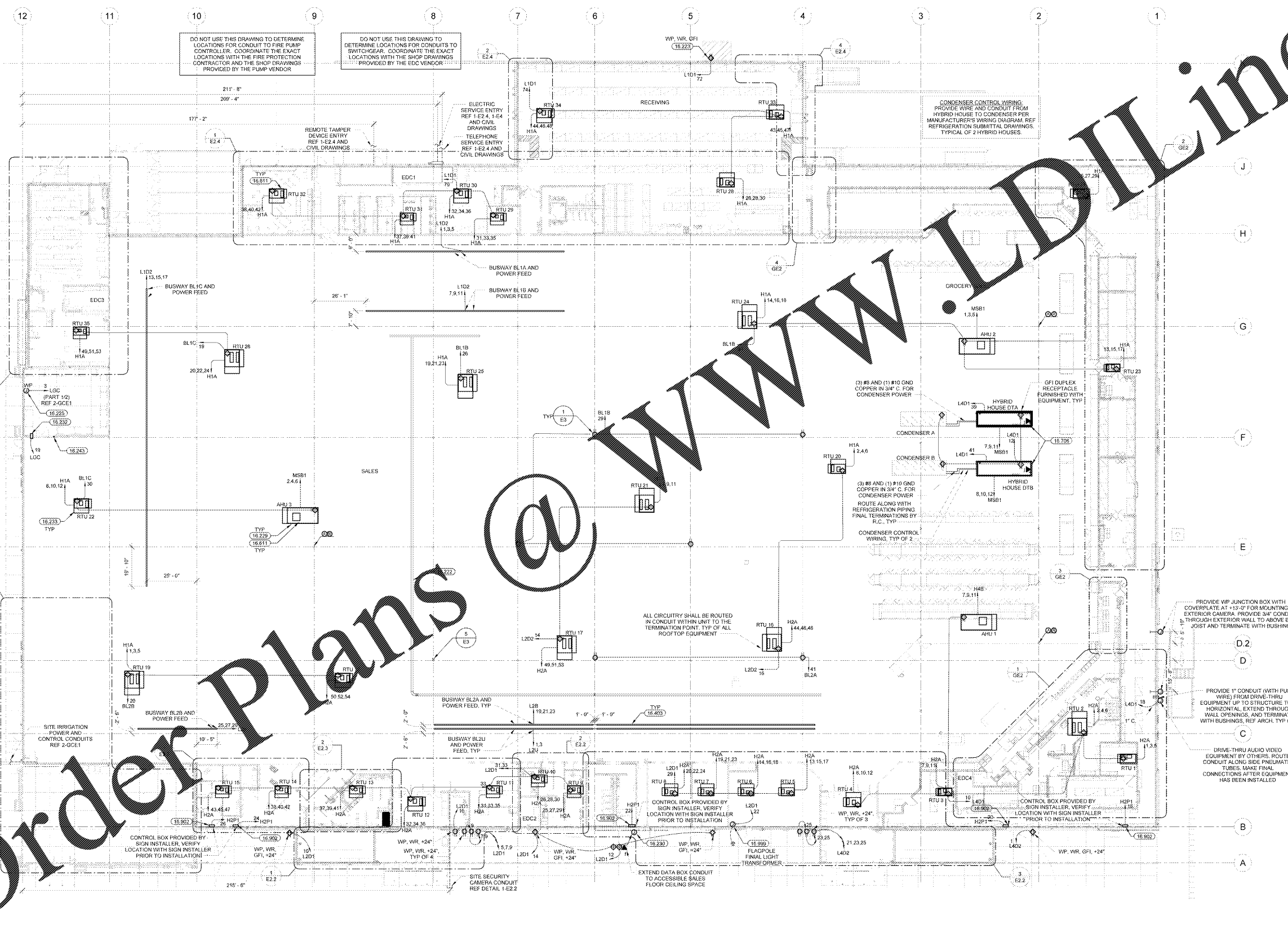
ISSUE BLOCK
11/30/17 : OTB

CHECKED BY: SAG
DRAWN BY: GAR
FILE NAME: E2
PROTO CYCLE: 04/28/17
DOCUMENT DATE: 09/13/17

BID SET NOT FOR CONSTRUCTION

POWER PLAN

SHEET: **E2**



DO NOT USE THIS DRAWING TO DETERMINE LOCATIONS FOR CONDUIT TO FIRE PUMP CONTROLLER. COORDINATE THE EXACT LOCATIONS WITH THE FIRE PROTECTION CONTRACTOR AND THE SHOP DRAWINGS PROVIDED BY THE PUMP VENDOR.

DO NOT USE THIS DRAWING TO DETERMINE LOCATIONS FOR CONDUITS TO SWITCHGEAR. COORDINATE THE EXACT LOCATIONS WITH THE SHOP DRAWINGS PROVIDED BY THE EDC VENDOR.

1 POWER PLAN
1" = 20'-0"