

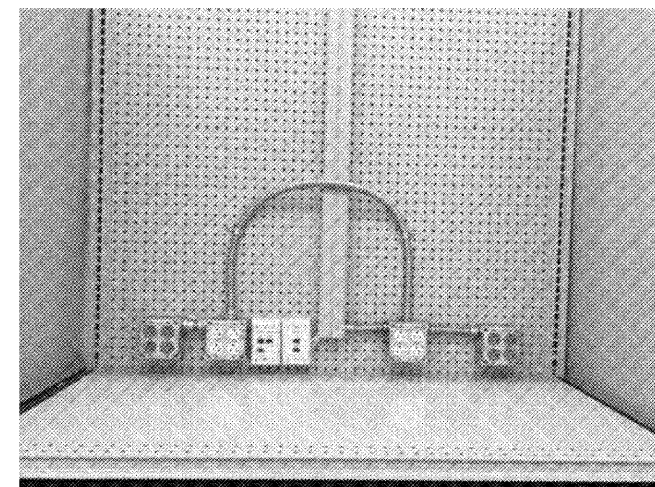
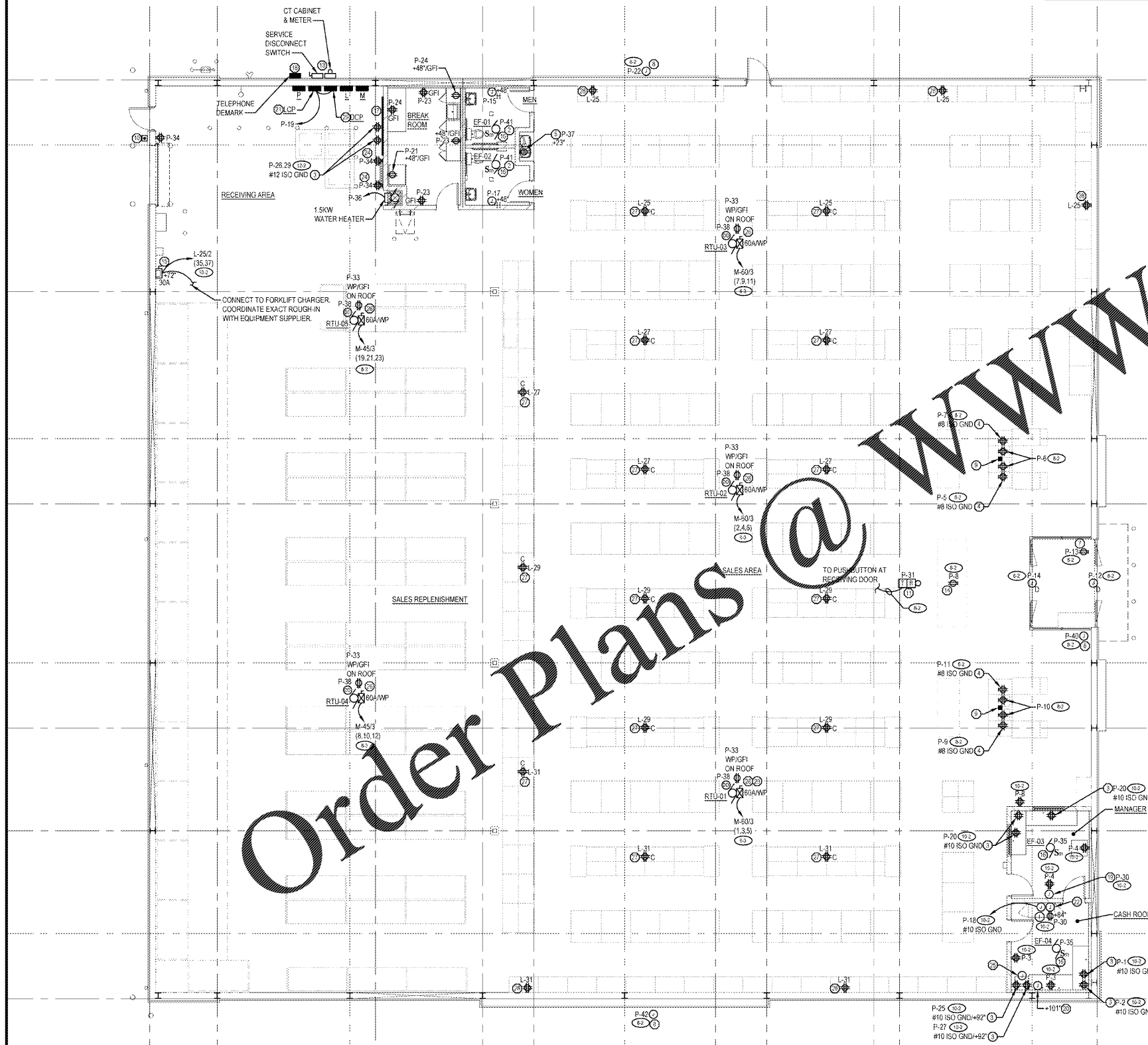
CONDUITS OR MOUNTING HARDWARE SHALL NOT BE DIRECTLY MOUNTED TO THE ROOF DECK.

GENERAL ELECTRICAL DEMOLITION NOTES

- A) NO ATTEMPT HAS BEEN MADE TO INDICATE ALL EXISTING ELECTRICAL DEVICES, LIGHT FIXTURES, COMMUNICATION DEVICES, WIRING, CONDUIT, ETC. TO BE REMOVED AND/OR RELOCATED. HOWEVER, THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION PRIOR TO SUBMITTING BID.
- B) REMOVE AND/OR RELOCATE EXISTING ELECTRICAL DEVICES NOT NOTED AS EXISTING TO REMAIN. COORDINATE SUCH CONDITIONS WITH ARCHITECTURAL DRAWINGS.
- C) EXISTING CONDUITS, CIRCUITS OR SYSTEMS IN WALLS OR CEILING BEING REMOVED WHICH SERVE SURROUNDING UNREMODELED AREAS SHALL BE REWORKED AND MAINTAINED.
- D) EXISTING CONDUITS, CIRCUITS OR SYSTEMS PASSING THROUGH THE REMODELED AREAS WHICH SERVE UNREMODELED AREAS SHALL REMAIN AND BE PROTECTED DURING DEMOLITION AND REMODELING, AND SHALL BE RELOCATED AND REROUTED.
- E) CONTINUITY OF CIRCUITS INTERRUPTED BY REMOVAL OF ELECTRICAL DEVICES SHALL BE MAINTAINED.
- F) ALL UNUSED WIRE (POWER & COMMUNICATION) SHALL BE REMOVED.
- G) ALL EXISTING WIRING (POWER & COMMUNICATION) THAT IS TO REMAIN SHALL BE REWORKED OR REPLACED WITH CODE COMPLIANT MATERIAL & SUPPORTS. ANY EXISTING SURFACE MOUNTED CONDUITS SHALL BE REMOVED OR RELOCATED SO THAT THEY ARE IN THE JOIST SPACE OR WITHIN WALL CAVITIES.
- H) EXISTING LIGHT FIXTURES THAT REMAIN OR ARE BEING RELOCATED SHALL BE CLEANED AND RELAMPED WITH 4' T8 LAMPS. BROKEN LENSES SHALL BE REPLACED. PROVIDE NEW T8 BALLASTS IF REQUIRED.
- I) EXISTING LIGHT FIXTURES, ELECTRICAL TELECOMMUNICATION DEVICES, PANELBOARDS, ETC. THAT ARE NOT TO BE REMOVED SHALL BE NOTED AS EXISTING TO REMAIN ON THE DRAWINGS. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION ON SCOPE OF DEMOLITION.

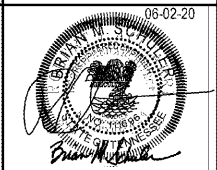
POWER PLAN NOTES

- 01 PROVIDE A JUNCTION BOX ON WALL ABOVE CEILING FOR RACK POWER. RUN MC CABLE IN WALL CAVITY TO BEHIND RACK. PENETRATE RACK & INSTALL A SEPARATE ORANGE ISOLATED GROUND QUAD RECEPTACLE MOUNTED IN RACK. COORDINATE EXACT LOCATION WITH HFT PRIOR TO INSTALLATION.
- 02 PROVIDE A DEDICATED CIRCUIT & WIRE THRU TIME CLOCK. UTILIZE SAME CIRCUIT IF THERE ARE TWO EXHAUST FANS.
- 03 DEDICATED ISOLATED GROUND QUAD OUTLET ON DEDICATED CIRCUIT. COLOR TO BE ORANGE.
- 04 DEDICATED ISO GROUND QUAD OUTLET MOUNTED WITHIN THE CASHWRAP SO THAT BOTTOM OF QUAD IS 2' ABOVE LOWEST SHELF. SEE DETAIL 16.1.0. COLOR TO BE ORANGE.
- 05 COORDINATE ROUGH-IN LOCATION WITH MANUFACTURERS SHOP DRAWINGS PRIOR TO INSTALLATION. PROVIDE STANDARD 20A-120V RECEPTACLE & WIRE TO A GFCI TYPE CIRCUIT BREAKER.
- 06 DUPLEX OUTLET MOUNTED ON WALL AT 12" ABOVE WINDOW. MOUNT FLUSH IN CEILING IF CEILING IS WITHIN 12" OF TOP OF WINDOW.
- 07 DUPLEX OUTLET MOUNTED FLUSH IN WALL ABOVE GLASS FOR NEON SIGNS BY T.G.C.
- 08 J-BOXES WITH SERVICE DISCONNECT SWITCH FOR SIGN CIRCUITS. COORDINATE ROUGH-IN REQUIREMENTS WITH SYSTEM CONTRACTOR.
- 09 15"Ø HIGH 2 COMPARTMENT POWER POLE TO BE FURNISHED BY HFT AND INSTALLED BY E.C. SHALL EXTEND UNBSTRUPT FROM THE POWER POLE UP TO THE ROOF STRUCTURE AND CONNECT TO UNBSTRUPT SECTION TO ROOF STRUCTURE (UNBSTRUPT TO BE PAINTED WHITE). SEE ARCHITECTURAL DRAWINGS FOR ELECTRICAL STRUCTURE HEIGHTS.
- 10 24 VAC WEATHERPROOF PUSH BUTTON MOUNTED 48" DOWN FROM CEILING. SEE TRANSFORMER & DRORTRONICS #WSS276-HD25.
- 11 SERVICE BELL MOUNTED TO BOTTOM OF ROOF STRUCTURE. SEE DETAIL 16.1.0.2 AS EXISTING TO REMAIN.
- 12 REMOVE EXISTING ELECTRICAL PANELS NOT SHOWN ON DRAWINGS. 2.0 AS EXISTING TO REMAIN.
- 13 ELECTRICAL CONTRACTOR SHALL COORDINATE NEW SWITCH & METER REQUIREMENTS WITH POWER COMPANY IMMEDIATELY UPON RECEIVING CONTRACT DOCUMENTS. BETWEEN THE SERVICE DISCONNECT SWITCH AND OR METER ENCLOSURE & THE DISTRIBUTION PANELS SHALL BE ROUTED VERTICALLY UP EXTERIOR WALL. PENETRATE EXTERIOR WALL IN JOIST SPACE. TURN CONDUIT & ROUTE TIGHT TO EXTERIOR WALL IN JOIST SPACE TO TENANT DISTRIBUTION PANEL. TURN CONDUIT DOWN & ROUTE VERTICALLY TO PANELS & CONNECT. PROVIDE PULL BOXES AS REQUIRED. SEAL CONDUIT AT EXTERIOR WALL PENETRATION. CONDUIT SHALL BE RUN IN JOIST WEB SPACE FOR THE ENTIRE LENGTH OF THE VERTICAL DROP AT THE PANELS.
- 14 DUPLEX RECEPTACLE FOR EXPENDED MONITOR. E.C. SHALL PROVIDE MC CABLE & CAST BOX & MOUNT RECEPTACLE ON ROOF ABOVE COORDINATE EXACT LOCATION WITH COMMUNICATIONS CONTRACTOR.
- 15 20A-120V DISCONNECT SWITCH & INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ROUGH-IN REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
- 16 UTILIZE EXHAUST FAN CIRCUIT & CONNECT POWERED LOWER LOCATED IN DUCT WORK WITH Ø12.125Ø. INSTALL CONTROL TRANSFORMER PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE ROUGH-IN REQUIREMENTS WITH MECHANICAL CONTRACTOR. WIRE TO LINE VOLTAGE TRANSFORMER.
- 17 LOCATION OF FIRE ALARM CONTROL PANEL IF REQUIRED. ELECTRICAL CONTRACTOR TO LABEL PANEL & CONNECT TO CIRCUIT F-32 WITH Ø12.125Ø. 3Ø/4W.
- 18 PROVIDE TELEPHONE DEMARK CABINET PER TELEPHONE COMPANY REQUIREMENTS.
- 19 8"Øx4" DEEP BOX MOUNTED AT 4" AFF TO BOTTOM FOR ENERGY MANAGEMENT SYSTEM MICROPAD. STUB (1" CONDUIT ABOVE CEILING FOR COMMUNICATION CABLES. STUB A 3/4" CONDUIT TO A SINGLE GANG BOX MOUNTED 6" ABOVE CEILING FROM SINGLE GANG BOX HOMERUN BRANCH CIRCUIT TO PANEL FROM SINGLE GANG BOX. STUB 3/4" NIPPLE INTO A 6" x 6" BOX LOCATED 6" ABOVE CEILING. EMS VENDOR SHALL INSTALL MICROPAD POWER SUPPLY AND CONNECT LOW VOLTAGE POWER TO MICROPAD. E.C. SHALL EXTEND MICROPAD POWER SUPPLY CABLES TO BOX ABOVE CEILING AND DOWN TO 120 VOLT POWER. MICROPAD POWER SUPPLY AND MICROPAD SHALL BE LOCATED WITHIN 6'-0" OF EACH OTHER.
- 20 SURFACE MOUNTED TERMINAL BOX MOUNTED NEXT TO SECURITY PANEL FOR EMS TO SECURITY SYSTEM INTERFACE.
- 21 ELECTRICAL CONTRACTOR SHALL INSTALL THE LIGHTING CONTROL PANEL (LCP). E.C. SHALL PROVIDE 120 VOLT POWER FOR THE POWER SUPPLY AND WIRE ALL LIGHTING CIRCUITS THROUGH THE CONTRACTORS AS SHOWN ON DRAWING E2.0 AND 2.1. STUB A 1" CONDUIT IN FULL WIRE FROM LCP TO JOIST SPACE FOR LOW VOLTAGE WIRING.
- 22 SINGLE GANG JUNCTION BOX MOUNTED AT 84" AFF WITH 3/4" CONDUIT STUBBED ABOVE CEILING FOR EMS SYSTEM CELL MODEM. MOUNT RECEPTACLE NEXT TO JUNCTION BOX.
- 23 E.C. SHALL PROVIDE HEAVY RIGID STEEL CONDUIT THRU RTU CURB AND INSTALL ON RTU ON SIDE OPPOSITE OF THE CONDENSING FAN. SEE EMS DRAWINGS FOR DETAILS. EMS VENDOR SHALL WIRE AND INSTALL OSD.
- 24 HFT SHALL PROVIDE 12 OUTLET 4 FLUOSTRIP WITH 6 POWER CORD AND POWER SWITCH. E.C. SHALL INSTALL E.C. SHALL MOUNT QUAD RECEPTACLE AT 48" AFF ON EACH SIDE OF FEGBOARD. SEE BANNERCHARGER STATION DETAIL ON DRAWING A4.0.
- 25 STUB 3/4" CONDUIT FROM THE BOTTOM OF THE SECURITY PANEL TO 99" AFF (BELOW CEILING). STUB TO BE WITHIN 6" HORIZONTAL OF QUAD RECEPTACLE. TYPICAL FOR 2. SECURITY CONTRACTOR SHALL ROUTE SECURITY PANEL POWER CABLE THRU CONDUITS PROVIDED.
- 26 ELECTRICAL CONTRACTOR SHALL INSTALL A HEAVY DUTY NEMA 3R DISCONNECT SWITCH. PROVIDE REJECTION TYPE. FIRES SIZED PER THE MOOP OF THE UNIT. CONNECT SWITCH AHEAD OF THE INTEGRAL UNIT MOUNTED CIRCUIT BREAKER. THE FUSED DISCONNECT SWITCH IS REQUIRED TO MINIMIZE THE AVAILABLE SHORT CIRCUIT CURRENT AT THE MECHANICAL EQUIPMENT.
- 27 THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE A QUAD RECEPTACLE FOR EACH CORD REEL INDICATED ON THE FIXTURE PLAN. THE RECEPTACLE SHALL BE MOUNTED AT 18 INCHES ABOVE THE BOTTOM OF THE JOIST. INSTALL THE OUTLET IN A WHITE CAST BOX WITH WHITE COVER.
- 28 THE ELECTRICAL CONTRACTOR SHALL INSTALL A QUAD RECEPTACLE AT 8'-6" TO THE BOTTOM OF THE OUTLET. PROVIDE A RECESSED SYSTEM WHERE WALL ARE FIRRED. FOR SURFACE MOUNTED APPLICATIONS, RUN A 3/4" EMT CONDUIT VERTICALLY DOWN WALL FROM JOIST SPACE TO OUTLET. MOUNT RECEPTACLE IN A WHITE CAST BOX AND FRONT EMT CONDUIT TO MATCH WALL SURFACE.
- 29 ELECTRICAL CONTRACTOR SHALL INSTALL THE DIMMING CONTROL PANEL (DCP). E.C. SHALL PROVIDE 120 VOLT POWER FOR THE POWER SUPPLY. PROVIDE 0-10V DIMMING CONTROL WIRING FROM THE LIGHT FIXTURES TO THE DCP AND PROVIDE THE 0-10V CONTROL WIRING FROM THE WALL DIMMERS TO THE DCP. INSTALL A 3/4" NIPPLE INTO THE DCP AND CONNECT EXTERNAL 4" x 4" JUNCTION BOX. INSTALL A 3/4" CONDUIT FROM THE DCP AND CONNECT AN EXTERNAL JUNCTION BOX ON THE LCP. CONNECT BOTH JUNCTION BOXES WITH 3/4" CONDUIT FOR DEMAND RESPONSE TEST STATION.



1 CASH WRAP POWER / COMMUNICATION DETAIL
E1.0 SCALE: NOT TO SCALE

POWER PLAN
SCALE 1/8" = 1'-0"



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REVISIONS

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POWER PLAN
DATE 06/02/20
JOB NO. 19155
E1.0
SHEET NO.

DO NOT SCALE THESE DRAWINGS

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