

FLOOR BOXES

POWER ONLY:
FLOOR BOX: HUBBELL #BA2536 CAST IRON FLOOR BOX OR APPROVED EQUAL. (4) 3/4" THREADED CONDUIT ACCESS FOR WIRING. ALUMINUM COLLAR. FURNISH WITH ALL REQUIRED MOUNTING ACCESSORIES NOT LISTED.
COVER: HUBBELL #SA3925 SINGLE SERVICE COVER OR EQUAL. ONE (1) DUPLEX OPENING FOR RECEPTACLE. FURNISH RECEPTACLE FOR SAME. ALUMINUM FINISH.
CARPET FLANGE: HUBBELL #SA3182 CARPET FLANGE OR APPROVED EQUAL. BRUSHED ALUMINUM FINISH. COORDINATE EXACT FINISH WITH ARCHITECT AND OWNER.
CONFERENCE ROOM POWER/DATA:
FLOOR BOX: HUBBELL #1C1FB CAST IRON FLOOR BOX OR APPROVED EQUAL. 1-1/2" THREADED CONDUIT ACCESS FOR LOW VOLTAGE CABLE AND 1" THREADED CONDUIT ACCESS FOR POWER. FURNISH WITH ALL REQUIRED MOUNTING ACCESSORIES NOT LISTED.
SUB-PLATE: HUBBELL #1S1SP SUB-PLATE OR EQUAL. ONE (1) 20 AMP 125V DUPLEX RECEPTACLE AND (1) BLANK DECORATOR STYLE COVER FOR LOW-VOLTAGE DEVICES BY OWNER. BRASS FINISH.
COVER: HUBBELL #S10CPA CARPET FLANGE AND COVER ASSEMBLY OR APPROVED EQUAL. CARPET/PLYWOOD CONSTRUCTION WITH ALUMINUM FINISH. COORDINATE EXACT FINISH WITH ARCHITECT AND OWNER.
OFFICE POWER/DATA:
FLOOR BOX: HUBBELL #CFB402 RECESSED CAST IRON FLOOR BOX OR APPROVED EQUAL. 1" KNIP-OUTS FOR RECEPTACLES. FURNISH WITH ALL REQUIRED MOUNTING ACCESSORIES NOT LISTED.
POWER SUB-PLATES: HUBBELL #FBMPDP SUB-PLATES OR EQUAL. TWO (2) DUPLEX OPENINGS FOR RECEPTACLES. FURNISH RECEPTACLES FOR SAME. ONE SUB-PLATE PER SIDE (TOTAL OF 2).
TELE/DATA SUB-PLATES: HUBBELL #FBMPDKS SUB-PLATES OR EQUAL. SIX (6) OPENINGS FOR KEYSTONE JACKS (BY OTHERS). ONE SUB-PLATE PER SIDE (TOTAL OF 2).
COVER: HUBBELL #2460CVRALLU RECESSED CARPET/TILE COVER ASSEMBLY OR APPROVED EQUAL - ADA COMPLIANT WITH TWO CABLE EGRESS DOORS AND ACCESS 180" OPENING. POWDER-COATED ALUMINUM FINISH - COORDINATE EXACT FINISH WITH ARCHITECT AND OWNER.

GENERAL POWER NOTES

- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT. FURNISH.
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR RECEPTACLES, INCLUDING GFCI, WEATHER-RESISTANT, HOSPITAL-GRADE, AND TAMPER-RESISTANT RECEPTACLES.
- EXACT MECHANICAL EQUIPMENT LOCATIONS NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
- COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC FILTERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

POWER PLAN KEYED NOTES

- 2"x8"x3/4" FIRE-RATED PLYWOOD TELECOMMUNICATIONS BACKBOARD. MOUNT AT 6" A.F.F.
- TWO (2) 4" CONDUITS WITH PULLSTRINGS FOR COMMUNICATIONS CABLING. STUB UP AT TELEPHONE BACKBOARD LOCATION AND FURNISH CONDUIT WITH BUSHED ENDS. EXTEND TO TELE/DATA DEMARC IN EAST ELECTRICAL ROOM OR AS COORDINATED WITH SERVICE PROVIDER(S).
- CEILING FAN VFD FURNISHED BY MECHANICAL CONTRACTOR. INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE ALL WORK INCLUDING LOCATION, WITH MECHANICAL CONTRACTOR. INSTALL HIGH ON COLUMN ABOVE CEILING AND MAKE FINAL CONNECTIONS. MAINTAIN ALL REQUIRED EQUIPMENT CLEARANCES. INTERLOCK WITH FIRE ALARM SYSTEM TO SHUT DOWN FANS UPON ACTIVATION OF ALARM. PROVIDE PERMANENT LABEL ON VFD READING "LOOKABLE CIRCUIT BREAKER DISCONNECT PROVIDED IN PANELBOARD P1 LOCATED IN MECHANICAL/STORAGE ROOM".
- FAN SPEED CONTROL. PROVIDE ROUGH-IN AND 1" CONDUIT WITH PULL STRING TO CEILING FAN VFD FOR CONTROL CABLING.
- INSTALL DISPOSAL SWITCH BELOW SINK AS COORDINATED WITH ARCHITECT.
- 1" CONDUIT WITH PULL STRING TO SERVER RACK.
- 2" CONDUIT WITH PULL STRING TO BEHIND TELEVISION.
- EXTERIOR BUILDING SIGNAGE ROUGH-IN. J-BOX WITH CONDUIT AND PULL STRING TO LOCATION COORDINATED WITH ARCHITECT.
- RECEPTACLE UNDER ISLAND COUNTER. COORDINATE LOCATION WITH ARCHITECT.

VOLTAGE DROP

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR UPSIZING ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS AS REQUIRED TO COMPLY WITH VOLTAGE DROP REQUIREMENTS AS OUTLINED IN THE NEC.
 UPSIZE WIRE ON 120V CIRCUIT HOMERUNS AS LISTED BELOW UNLESS OTHERWISE SHOWN ON PLANS:

- LESS THAN 100 FEET IN CONDUCTOR LENGTH:
#12 PHASE/NEUTRAL CONDUCTORS & #12 GROUND
- 100 TO 150 FEET IN CONDUCTOR LENGTH:
#10 PHASE/NEUTRAL CONDUCTORS & #10 GROUND
- GREATER THAN 150 FEET IN CONDUCTOR LENGTH:
#8 PHASE/NEUTRAL CONDUCTORS & #8 GROUND

FIRE ALARM SCOPE

SHELL BUILDING HAS AN EXISTING NOTIFIER BY HONEYWELL NFS-320 FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE EXTENDER CABINETS, ETC. AS REQUIRED TO INTEGRATE NEW DEVICES INTO EXISTING SYSTEM.

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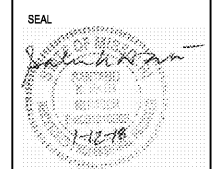
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95% CDS	12.22.2017
Permit Set	01.12.2018

POWER PLAN

E201