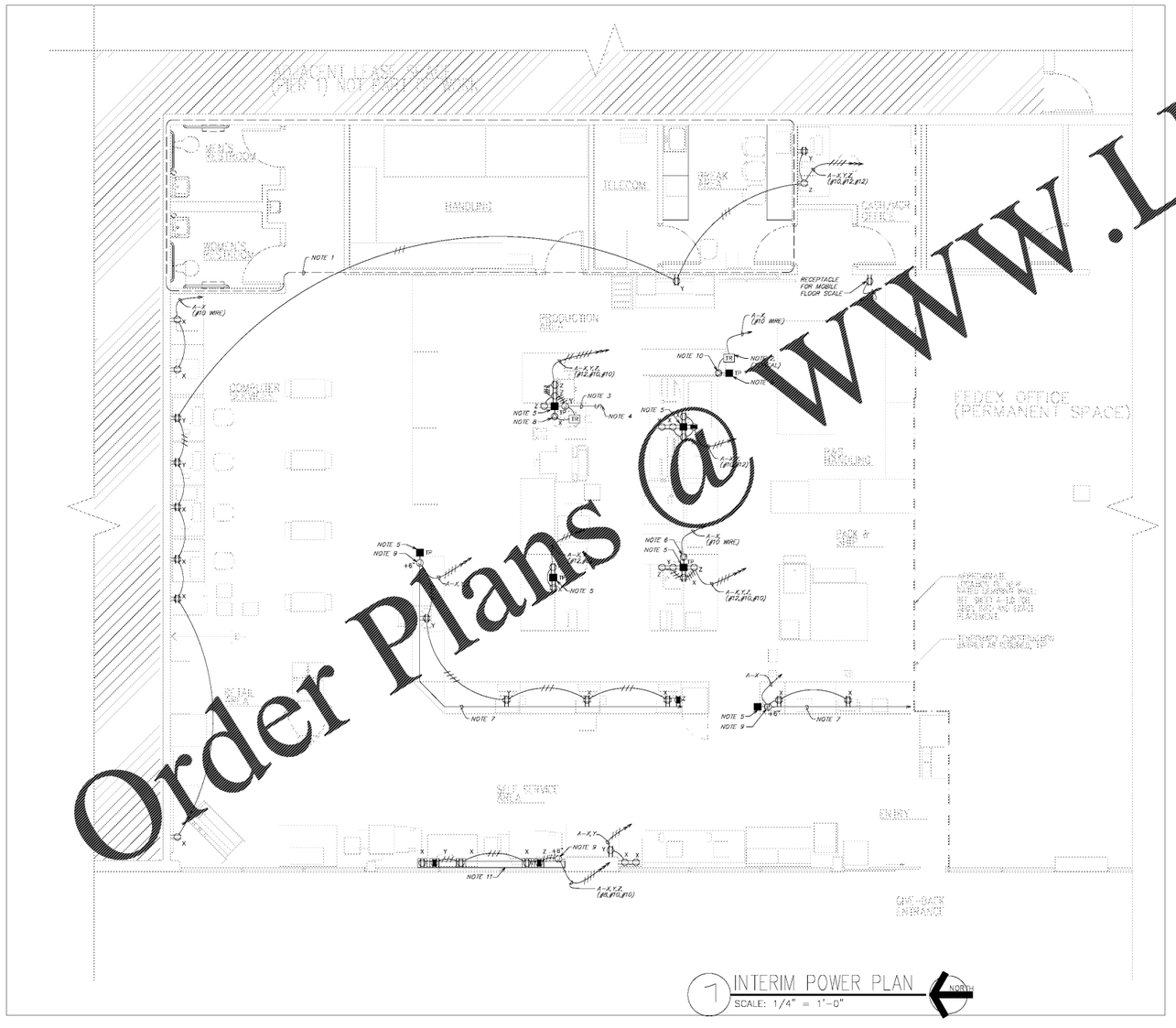

1 INTERIM POWER PLAN
SCALE: 1/4" = 1'-0"

DATA & COMMUNICATIONS PLAN NOTES:

1. PROVIDE DEDICATED OR SEPARATE CONDUITS FOR ALL POS DATA LINES. DO NOT SHARE WITH OTHER TELEPHONE OR DATA LINES.
2. PROVIDE JUNCTION BOX (PULL BOX) FOR EVERY TWO 90 DEGREE TURNS IN CABLE CONDUIT AND FOR FIXTURE WHIP CONNECTIONS
3. ALL CABLE CONDUIT SHALL BE A MINIMUM OF 1" DIAMETER.
4. ALL CABLE CONDUIT UNDER SLAB SHALL BE A MINIMUM OF 1" DIA CONDUIT.
5. PROVIDE 1" DIAMETER CONDUIT FOR CABLE RUNS OF 4 CABLES OR LESS.
6. PROVIDE 1 1/2" DIAMETER CONDUIT FOR CABLE RUNS OF BETWEEN 5 AND 10 CABLES.
7. DO NOT BUNDLE MORE THAN 10 CABLES IN ANY ONE CONDUIT.
8. TERMINATE ALL CABLE CONDUITS INSIDE WALLS IN CLEAR AREA 6" ABOVE CEILING.
9. VERIFY ALLOWED USE OF REGULAR CABLE IN PLENUM SPACES WITH LOCAL CODE OFFICIALS. PROVIDE PLENUM RATED CABLE WHEN REQUIRED BY LOCAL AUTHORITIES. PROVIDE CONDUIT FOR CABLE RUNS WHEN REQUIRED BY LOCAL AUTHORITIES.
10. MOUNT ALL DATA OUTLET J-BOXES AT THE SAME HEIGHT AS THE ELECTRICAL OUTLET J-BOXES. ALIGN DATA AND ELECTRICAL OUTLETS VERTICAL AND HORIZONTAL.
11. ELECTRICAL OUTLETS AND VOICE/ DATA RECEPTACLES ARE TO BE GANGED TOGETHER AT THE MANAGER'S WORK AREA/DESK.

GENERAL ELECTRICAL EXISTING CONDITIONS NOTES:

A. ANY EXISTING CONDITIONS INDICATED IN THIS SET OF DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
B. THE LANDLORD'S CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE CONTRACT DOCUMENTS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK. BY SIGNING THE CONTRACT, THE CONTRACTOR ACKNOWLEDGES THE SITE VISIT HAS BEEN COMPLETED AND THE EXISTING CONDITIONS ARE ACCEPTED.
C. THE LANDLORD'S CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING EQUIPMENT, DEVICES, AND LUMINAIRES AS INDICATED AND/OR AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF THE NEW WORK. REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, CONDUITS, SUPPORTS, HANGERS, ETC. THAT ARE NOT SHOWN AND ARE REQUIRED TO BE REMOVED IN ORDER TO COMPLETE THE NEW WORK.
D. ELECTRICAL CIRCUITS THAT ARE TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. CONDUCTORS SHALL BE REMOVED FROM THE ITEM TO BE DEMOLISHED TO THE SOURCE OVERCURRENT DEVICE. RACEWAYS WHICH ARE INSTALLED IN OR BELOW FLOORS OR WITHIN WALLS MAY BE ABANDONED, BUT ALL OVERHEAD OR EXPOSED RACEWAYS SHALL BE REMOVED. EXPOSED RACEWAYS TO BE ABANDONED SHALL BE REMOVED AND SHALL BE CUT OR CHISELED AT LEAST 2" INTO THE WALL OR FLOOR AND THE OPENING GROUTED SMOOTH.
E. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.
F. ANY EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. AUTOMATIC SMOKE DETECTORS IN THE AREA OF CONSTRUCTION SHALL BE DISCONNECTED AND TEMPORARILY REPLACED WITH HEAT DETECTORS WHEN THE SPACE IS STAFFED BY THE (FEDEX OFFICE AND/OR LANDLORD) CONTRACTOR IN ACCORDANCE WITH THE APPROVED FIRE SAFETY PROCEDURES OF THE OWNER AND THE LOCAL FIRE MARSHAL, BUT SHALL BE REACTIVATED WHENEVER THE SPACE IS NOT OCCUPIED BY THE (FEDEX OFFICE AND/OR LANDLORD) CONTRACTOR. AUTOMATIC SMOKE DETECTORS SHALL BE PROTECTED FROM DUST AND SHALL ACCUMULATION BY REMOVING THE DEVICE FROM ITS BASE DURING THE TIMES WHEN THE SYSTEM IS ALLOWED TO BE OUT OF OPERATION.
G. COORDINATE DATA LOCATIONS AND ROUGH-IN WITH THE ARCHITECTURAL RCP PLAN.

GENERAL ELECTRICAL NOTES:

A. WHERE THE MECHANICAL DESIGN UTILIZES A PLENUM RETURN AIR CEILING AS PART OF THE DESIGN, ALL EQUIPMENT AND MATERIALS INSTALLED IN THE PLENUM AIR SPACE OF THE CEILING MUST MEET THE FLAME SPREAD AND SMOKE DEVELOPED RATINGS OF 25/50 AND BE APPROVED FOR USE IN PLENUM AIR SPACES. ELIMINATE PLENUM CEILING LOCATIONS WITH THE MECHANICAL CONTRACTOR. USE DEVICES THAT ARE MANUFACTURED WITH A METAL HOUSING SET THIS EQUIPMENT AND DEVICES ARE NOT REQUIRED TO BE PLENUM RATED, UNLESS INDICATED OTHERWISE.
B. COORDINATE ALL DEVICE LOCATIONS AND CONDUIT ROUTING WITHIN ANY MILLWORK WITH MILLWORK VENDOR PRIOR TO ROUGH-IN.
C. COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO, MECHANICAL EQUIPMENT, AUDIO/VISUAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, FIRE ALARM EQUIPMENT, ETC. THE (FEDEX OFFICE AND/OR LANDLORD) CONTRACTOR IS RESPONSIBLE TO PROVIDE APPROPRIATE MOUNTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT. THE ELECTRICAL (FEDEX OFFICE AND/OR LANDLORD) CONTRACTOR IS ALSO RESPONSIBLE TO PROVIDE AN APPROPRIATE CORD AND PLUG FOR ANY CORD-AND-PLUG CONNECTED EQUIPMENT THAT IS NOT SUPPLIED WITH AN INTEGRAL CORD AND PLUG.
D. SEE PANEL SCHEDULES FOR INFORMATION ON CIRCUITS THAT ARE TO BE ROUTED THROUGH CONTACTORS OR RELAYS FOR CONTROL.
E. THE (FEDEX OFFICE AND/OR LANDLORD) CONTRACTOR IS RESPONSIBLE FOR PRESERVING THE FIRE RATING OF ANY FIRE-RATED CEILING ASSEMBLIES BY PROVIDING THE APPROPRIATE FIRE-RATED LUMINAIRE (KITS AS MANUFACTURED BY METALUX OR NELSON FIRESTOP OR BY BUILDING FIRE-RATED ENCLOSURES AROUND EACH LUMINAIRE THAT IS RECESSED INTO A FIRE-RATED ASSEMBLY. COORDINATE FIRE-RATED CEILING ASSEMBLY LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.
F. ALL EQUIPMENT, DEVICES, AND LUMINAIRES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20-AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS)
G. ALL LUGS, TERMINALS, ETC. IN ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LISTED FOR A MINIMUM OF 75 DEGREE C CONDUCTORS. TERMINATIONS LISTED FOR ONLY 60 DEGREE C CONDUCTORS ARE NOT PERMITTED.
H. BRANCH CIRCUITS RATED AT 20 AMPS AT 120 VOLTS THAT ARE LONGER THAN 75 FEET SHALL BE #10 AWG MINIMUM TO OFFSET VOLTAGE DROP.
I. BRANCH CIRCUITS RATED AT 20 AMPS AT 120 VOLTS THAT ARE LONGER THAN 150 FEET SHALL BE #8 AWG MINIMUM TO OFFSET VOLTAGE DROP.
J. BRANCH CIRCUITS RATED AT 20 AMPS AT 277 VOLTS THAT ARE LONGER THAN 150 FEET SHALL BE #10 AWG MINIMUM TO OFFSET VOLTAGE DROP.
K. CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #10 AWG AND LARGER ARE PERMITTED TO BE STRANDED.

KEYED NOTES:

1. MAINTAIN CONTINUITY OF EXISTING CIRCUITS IN OUTLINED AREA UNLESS SHOWN AS NEW WORK.
2. CONTRACTOR SHALL REUSE EXISTING TRANSFORMER FOR RELOCATED EQUIPMENT. IF EXISTING TRANSFORMER IS NOT REUSABLE, CONTRACTOR SHALL PROVIDE BUCK BOOST TRANSFORMER MOUNTED IN ACCESSIBLE CEILING SPACE. TRANSFORMER SHALL BE 208Y 1-PHASE IN, 230V 1-PHASE OUT. ELECTRICAL CONTRACTOR SHALL WORK WITH THE TI DISTRIBUTOR TO DETERMINE THE EXACT BUCK-BOOST TRANSFORMER REQUIRED BASED ON THE LOAD CHARACTERISTICS OF THE EQUIPMENT BEING SERVED. VERIFY EXISTING CONDITIONS PRIOR TO ROUGH-IN.
3. REUSE EXISTING SWITCH TO SERVE AS DISCONNECTING MEANS FOR DRILL. VERIFY SWITCH IS MOUNTED AT APPROPRIATE HEIGHT TO LEG OF DRILL. VERIFY MOUNTING HEIGHT OF SWITCH WITH OWNER'S PROJECT MANAGER. ROUTE CONDUIT AS CONCEALED AS POSSIBLE TO NEW SWITCH LOCATION IF SWITCH IS TO BE RELOCATED.
4. ROUTE CONDUIT ON FLOOR TO THE FRONT LEG OF THE DRILL. THEN ROUTE UP LEG OF DRILL TO A DESTINABLE HEIGHT TO MOUNT THE MOTOR SAFETY SWITCH IF SWITCH IS TO BE RELOCATED.
5. CONTRACTOR SHALL RELOCATE EXISTING POWER POLE TO NEW LOCATION SHOWN ON DRAWINGS.
6. WHERE NOTED, CONTRACTOR SHALL REUSE EXISTING NEMA 5-20R RECEPTACLE IF POSSIBLE. IF EXISTING RECEPTACLE IS NOT REUSABLE, CONTRACTOR SHALL PROVIDE A NEMA 5-20R RECEPTACLE FOR A 208V, 20 AMP, TWO POLE CIRCUIT FOR A NEW OR RELOCATED PIECE OF EQUIPMENT, WITH #12 WIRE IN 3/4" CONDUIT. CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITING, AS NEEDED, AND COORDINATE IN FIELD FOR CIRCUIT DESIGNATION WITHIN ELECTRICAL PANEL NOTED.
7. CONTRACTOR SHALL INSTALL FLEX CONDUIT ALONG BASE OF CABINET AND RE-USE EXISTING POWER SOURCE IF POSSIBLE.
8. WHERE NOTED, CONTRACTOR SHALL REUSE EXISTING NEMA 5-15R RECEPTACLE IF POSSIBLE. IF EXISTING RECEPTACLE IS NOT REUSABLE, CONTRACTOR SHALL PROVIDE A NEMA 5-15R RECEPTACLE FOR A 208V, 15 AMP, TWO POLE CIRCUIT FOR A NEW OR RELOCATED PIECE OF EQUIPMENT, WITH #12 WIRE IN 3/4" CONDUIT. CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITING, AS NEEDED, AND COORDINATE IN FIELD FOR CIRCUIT DESIGNATION WITHIN ELECTRICAL PANEL NOTED.
9. JUNCTION BOX FOR POWER FEED TO RACEWAY OR FLEX CONDUIT.
10. WHERE NOTED, CONTRACTOR SHALL REUSE EXISTING NEMA 5-20R RECEPTACLE IF POSSIBLE. IF EXISTING RECEPTACLE IS NOT REUSABLE, CONTRACTOR SHALL PROVIDE A NEMA 5-20R RECEPTACLE FOR A 208V, 20 AMP, TWO POLE CIRCUIT FOR A NEW OR RELOCATED PIECE OF EQUIPMENT, WITH #10 WIRE IN 3/4" CONDUIT. CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITING, AS NEEDED, AND COORDINATE IN FIELD FOR CIRCUIT DESIGNATION WITHIN ELECTRICAL PANEL NOTED.
11. REUSE EXISTING RACEWAY IF POSSIBLE.

UNLESS OTHERWISE NOTED, PROVIDE A NEMA 5-20R RECEPTACLE FOR A 120V, 20 AMP, SINGLE POLE CIRCUIT FOR A NEW OR RELOCATED PIECE OF EQUIPMENT, WITH #12 WIRE IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. MAINTAIN EXISTING CIRCUITING, AS NEEDED, AND COORDINATE IN FIELD FOR CIRCUIT DESIGNATION WITHIN ELECTRICAL PANEL NOTED. "X", "Y", AND "Z" EACH INDICATE AN INDIVIDUAL 20 AMP, SINGLE-POLE CIRCUIT REQUIRED.

NOTE:
CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS FOR ALL DEVICES.

ELECTRICAL DISTRIBUTION SHOWN IS FOR REFERENCE ONLY. GC TO VERIFY EXISTING CONDITION IN FIELD AND REUSE WHERE POSSIBLE.

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