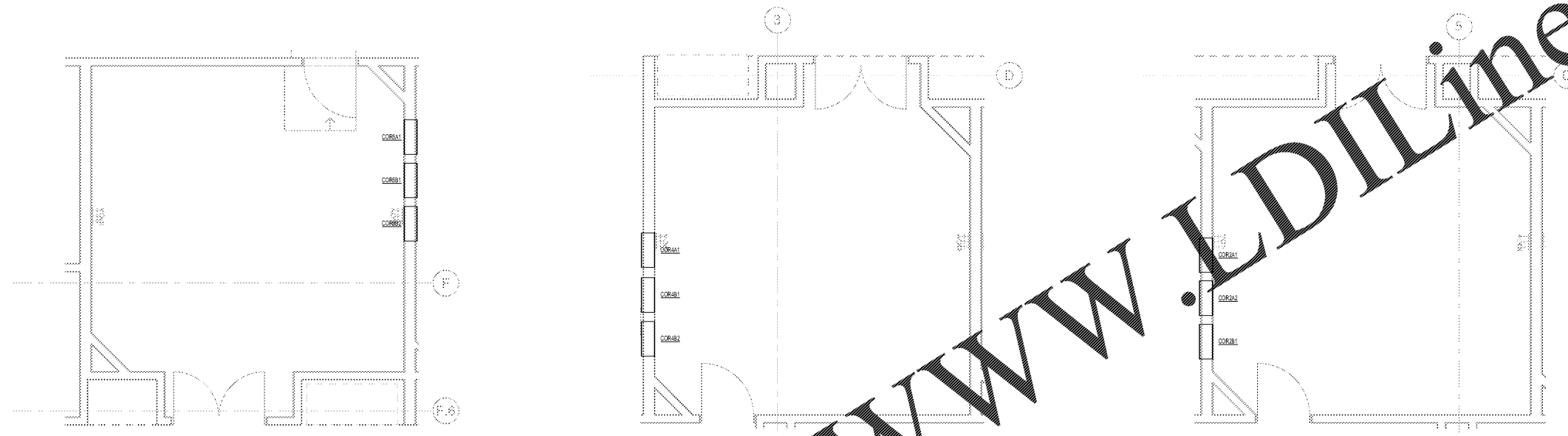


**NOT FOR
 CONSTRUCTION**

No.	Description	Date
1	ED - GMP	2019-07-03

- GENERAL POWER PLAN NOTES:
1. VERIFY AND COORDINATE EXACT ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF EQUIPMENT. MODIFY LAYOUT AS REQUIRED PER MANUFACTURER'S SPACE REQUIREMENTS.
 2. REFER TO ARCHITECTURAL ELEVATIONS AND CASEWORK DRAWINGS FOR FINAL MOUNTING HEIGHTS AND INSTALLATION REQUIREMENTS OF ALL DEVICES. UNLESS NOTED OTHERWISE, ARCHITECTURAL ELEVATIONS SHALL DICTATE MOUNTING HEIGHTS OF ALL FIXTURES AND DEVICES.
 3. COORDINATE FINAL LOCATIONS OF ALL DIVISION 23 EQUIPMENT IN FIELD WITH DIVISION 23 EQUIPMENT. FIELD LOCATIONS SHALL DICTATE.
 4. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL DEVICES WITH ARCHITECTURAL ELEVATIONS AND CASEWORK.
 5. CRITICAL BRANCH WIRING FROM ANY PANEL DOWNSTREAM OF AUTOMATIC TRANSFER SWITCHES ATS-C1 AND ATS-C2 SHALL NOT BE UNDER THE SAME RACEWAY. CONTRACTOR SHALL MAINTAIN SEPARATION OF THESE TRANSFER SWITCHES AND THEIR DISTRIBUTION ALL THE WAY TO THE LOADS.

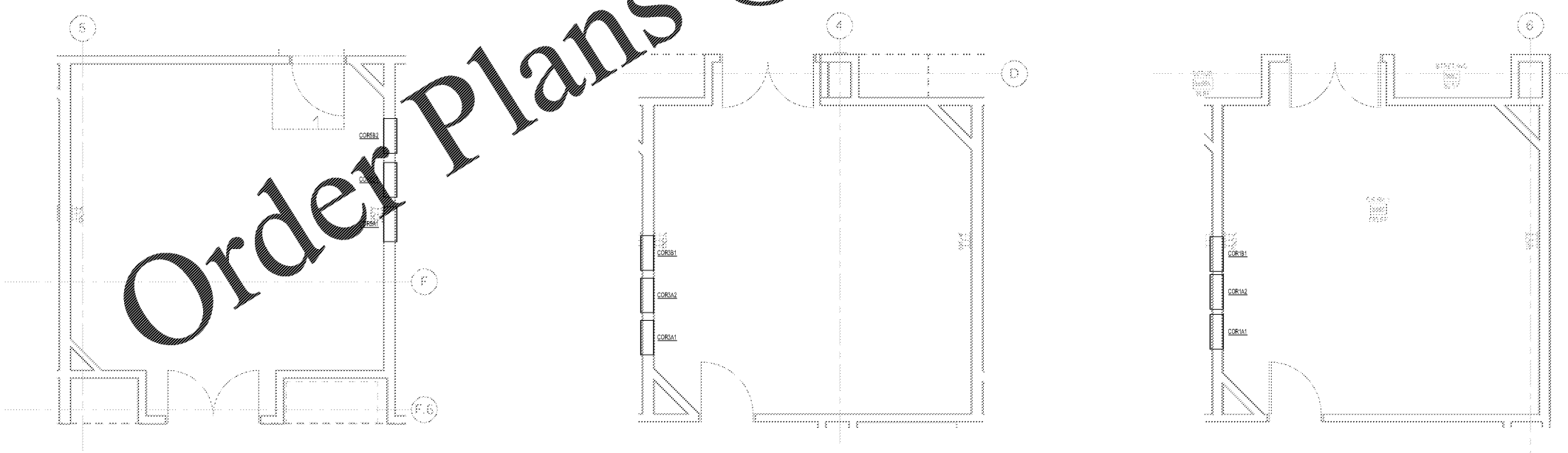
- GENERAL WIRING PLAN NOTES:
1. ALL WIRING TO RECEPTACLES FROM ISOLATION POWER PANELS, ALL NEW BRANCH CIRCUIT WIRING SHALL BE TYPE MHM-2 COPPER WIRING IN EMT CONDUIT. STRANDED WIRE SHALL BE TERMINATED UNDER ANY RECEPTACLE OR JUNCTION BOX TERMINAL SCREW. CONTRACTOR SHALL PROVIDE EITHER A CRAMP-ON SPRING CONNECTION OR SOLDER WITH WIRE "PITAL" FROM THE SCREW TO THE STRANDED WIRE CONNECTION.
 2. REFER TO ROOM INTEGRATION VENDOR DRAWINGS AND INSTALLATION MANUALS FOR ADDITIONAL WORK IN THE ORS. ALL REFERENCES TO OWNER/CONTRACTOR IN THESE DOCUMENTS IMPLIES WORK FOR THE CONTRACTOR.
 3. CONTRACTOR SHALL PROVIDE INSULATED GROUNDING TYPE BUSHINGS WITH A CONTINUOUS COPPER BONDING JUMPER, SIZED PER NEC TABLE 250.122, AT ENDS OF ALL CONDUITS CONNECTED TO ALL JUNCTION BOXES AND PANEL ENCLOSURES.
 4. CONTRACTOR SHALL LOCKE ALL ABOVE CEILING JUNCTION BOXES AT THE PROVIDED ACCESS PANELS. THE LIGHT FIXTURES SHALL NOT BE USED AS ACCESS PANELS.
 5. CONTRACTOR SHALL PROVIDE SEPARATION, BY MEANS OF BARRIERS OR COMPARTMENTS, OF ALL WIRING IN AND BETWEEN THE BOOM AND/OR INTEGRATION EQUIPMENT, BY BRANCH CRITICAL (C1 CRITICAL, C2), AND BY INSULATION VOLTAGE CLASS.
 6. CONTRACTOR SHALL HAVE THE BOOM INTEGRATION SYSTEM FIELD TESTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
 7. CONTRACTOR SHALL BOND THE FOLLOWING ITEMS TOGETHER VIA GREEN INSULATED WIRING OR ISOLATION PANELBOARDS THAT SERVE THE ROOM, BOOM STRUCTURAL SUPPORTS, BOOM MOUNTING PLATE, AND THE GREEN BONDING CONDUCTOR COMING OUT FROM BOOM INTO THE EQUIPMENT GROUNDING CONDUCTOR, TOGETHER VIA MULTILUG TERMINAL BAR MOUNTED & GROUNDED VIA MINIMUM 2" THREADED CONNECTION PER NEC 2019 TO THE STRUCTURAL SUPPORTS OF THE BOOM.
 8. USE OF PULL COMPOUND OR LUBRICANT SHALL NOT BE PERMITTED FOR WIRING ASSOCIATED WITH ISOLATED POWER SYSTEMS.
 9. ALL ISOLATION POWER BRANCH CIRCUIT WIRING SHALL HAVE THE FOLLOWING COLOR CODE PER NEC 517.15(A)(5). PLEASE NOTE THAT ALL ISOLATED POWER BRANCH CIRCUITS ARE FED FROM 3 POLE BREAKERS.
 - A. PHASE - ORANGE WITH CONTINUOUS BLACK STRIPE ALONG ITS ENTIRE LENGTH. THIS ORANGE CONDUCTOR PHASE SHALL BE CONNECTED TO THE NEUTRAL SIDE OF THE RECEPTACLE VIA THE SILVER TERMINAL.
 - B. PHASE - BROWN WITH A CONTINUOUS BLACK STRIPE ALONG ITS ENTIRE LENGTH. THIS BROWN CONDUCTOR PHASE SHALL BE CONNECTED TO THE HOT SIDE OF THE RECEPTACLE VIA THE GOLD TERMINAL.
 - C. GROUND - GREEN.



4 ENLARGED O.R. 4 - LEVEL 5
 1/4" = 1'-0"

2 ENLARGED O.R. 2 - LEVEL 5
 1/4" = 1'-0"

6 ENLARGED O.R. 6 - LEVEL 5
 1/4" = 1'-0"



3 ENLARGED O.R. 3 - LEVEL 5
 1/4" = 1'-0"

1 ENLARGED O.R. 1 - LEVEL 5
 1/4" = 1'-0"

5 ENLARGED O.R. 5 - LEVEL 5
 1/4" = 1'-0"

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