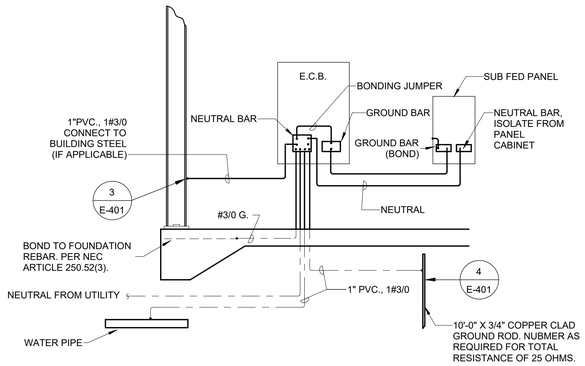
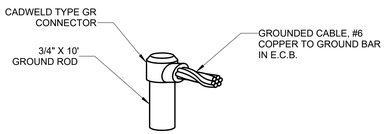
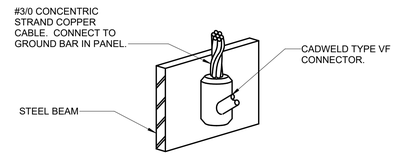


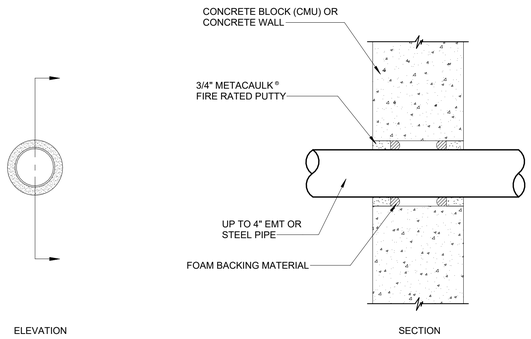
2 E-401 DETAIL - SERVICE GROUNDING
NO SCALE



3 E-401 DETAIL - CABLE CONNECTION TO GROUND ROD
NO SCALE

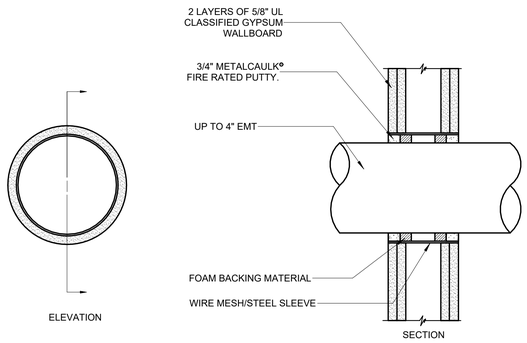


4 E-401 DETAIL - CABLE CONNECTION TO STEEL BEAM
NO SCALE



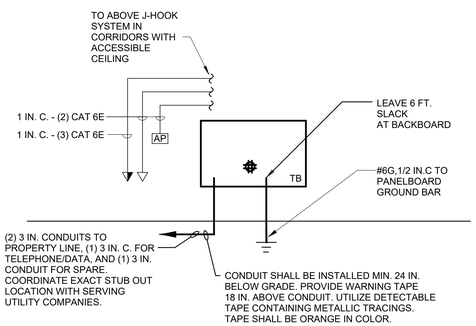
NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

5 E-401 DETAIL - CONCRETE WALL PENETRATION
NO SCALE

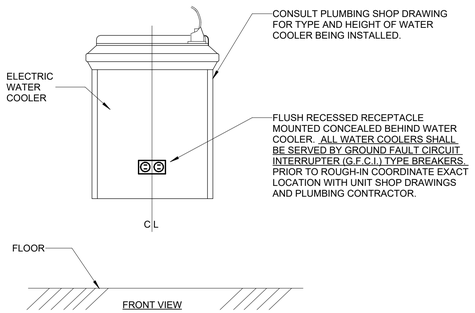


NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

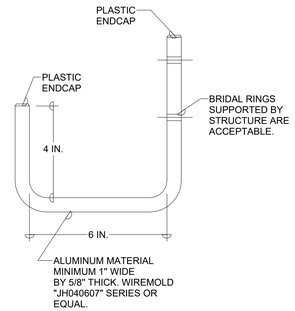
6 E-401 DETAIL - GYPSUM WALLBOARD PENETRATION
NO SCALE



7 E-401 TELEPHONE/DATA RISER
NO SCALE



9 E-401 RECEPTACLE LOCATION @ ELECTRIC WATER COOLER
NO SCALE



8 E-401 DETAIL - J-HOOK DETAIL
NO SCALE

GENERAL NOTES: (DATA CABLING)

1. ADDITIONAL WALL SLEEVES AND WALL PENETRATIONS WILL BE REQUIRED FOR NETWORK CABLING. PROVIDE AS NECESSARY AND FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS.
2. ALL JACKS SHALL BE PROVIDED WITH ICON DENOTING DATA OR VOICE OUTLET. OUTLET SHALL BE LABELED WITH FOLLOWING NOMENCLATURE:
   D M XXX
   - XXX — JACK NUMBER
   - M — MDF OR IDF DESIGNATION FROM WHICH JACK IS SERVED.
   - D OR V INDICATING VOICE OR DATA OUTLET.

   ALL PATCH PANELS AND 110 BLOCKS SHALL BE CORRESPONDINGLY LABELED.
3. PROVIDE METAL D-RING OR RING RUNS AS NECESSARY TO PROPERLY LACE AND SUPPORT ALL CABLING AT BACKBOARDS.
4. REFER TO 1/8 IN. PLANS SHOWING OUTLET LOCATIONS, PANEL LOCATIONS, CEILING TYPES, ETC.
5. GROUND ALL RACKS WITH #6 COPPER LOCATED AT EACH BACKBOARD. CONTRACTOR SHALL ROUTE #6G, 3/4 IN. C. TO GROUND PLATE. PROVIDE 12 IN. CABLE RUNWAY SPANNING FROM TOP OF RACK TO WALL AND TURNED UP TO ABOVE DROP TILE CEILING IN ORDER TO ROUTE CABLE TO RACK. AT EACH RACK LOCATION, PROVIDE A 3/4IN.x4 FT.x8 FT. BACKBOARD PAINTED WITH TWO COATS OF BLACK FIRE RETARDANT PAINT.
6. TY-WRAPS SHALL NOT BE CINCHED DOWN TIGHT ENOUGH TO DEFORM CABLES. MAINTAIN MINIMUM BEND RADIUS ON FIBER, TIE CABLES, STATION WIRES, AND PATCH CORDS.
7. REFER TO SPECIFICATIONS FOR CABLING. ALL CABLING SHALL BE PLENUM RATED.
8. PROVIDE VELCRO CABLE WRAPS AT RACKS TO PROPERLY LACE AND TRAIN PATCH CORDS AT RACKS IN AN ORDERLY FASHION.
9. FIELD VERIFY MOUNTING SPACE IN DATA RACK ROOM. PROVIDE WALL MOUNTED RACKS WHERE NECESSARY.
10. CABLING FOR COMPUTER DATA SHALL BE ROUTED VIA J-HOOK SYSTEM. PROVIDE CONDUIT TO 6 IN. ABOVE ACCESSIBLE CEILING. BUNDLE CABLES, SLEEVE THROUGH CORRIDOR WALL USING 4 IN. C.
11. NETWORK HUBS AND ELECTRONICS, RACK MOUNTED UPS, PATCH CORDS, AND FIBER OPTIC PATCH CORDS ARE NOT IN CONTRACT.
12. REFER TO POWER SHEET, E-301, FOR ADDITIONAL INFORMATION.
13. SEE WIRE MANAGEMENT NOTES.

WIRE MANAGEMENT NOTES

NOTES:

A. ALL J-HOOKS SHALL BE SPACED NO MORE THAN 48 INCHES APART AND NO MORE THAN 12 INCHES FROM THE CORNER OF ANY SPACE.

B. PROVIDE J-HOOKS NO MORE THAN 12 INCHES AWAY FROM CONDUIT SLEEVES.

C. WHERE J-HOOKS ARE (2) ROWS: SPACING BETWEEN THE ROWS SHALL BE 12 INCHES.

D. CONDUIT SLEEVES SHALL BE AT THE SAME LEVEL AS THE ROWS OF J-HOOKS.

E. FIRE SEAL AROUND ALL CONDUIT SLEEVES. SEE ARCHITECTURAL SHEET FOR REQUIRED RATINGS.

F. COORDINATE THE EXACT LEVEL OF J-HOOKS AND CONDUIT SLEEVES WITH OTHER TRADES PRIOR TO ROUGHING.

G. J-HOOKS SHALL NOT BE SUPPORTED BY GYPSUM WALL BOARD. J-HOOKS SHALL BE SUPPORTED BY BLOCK WALL OR STUD. SEE ARCHITECTURAL PLAN FOR WALL MATERIALS.

H. ALL CABLING SHALL BE NEATLY BUNDLED UTILIZING "NOT A CINCH" TYPE RATED VELCRO TIE WRAPS.

I. J-HOOKS SHALL SUPPORT CABLING FOR: DATA, TELEPHONE, FIRE ALARM, CAMERA, ACCESS CONTROL, AND INTRUSION.

J. ONE ROW SHALL SUPPORT CAMERA/ACCESS CONTROL CABLING, ONE ROW SHALL SUPPORT DATA/TELEPHONE CABLING, ONE ROW SHALL SUPPORT FIRE ALARM CABLING, ONE ROW SHALL SUPPORT INTRUSION CABLING.

K. SEE DETAIL 5/E-401 - CONCRETE WALL PENETRATION

L. SEE DETAIL 6/E-401 - GYPSUM WALLBOARD PENETRATION.

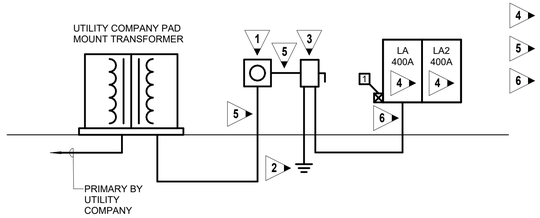
M. WHERE J-HOOKS ARE SHOWN ABOVE SOLID SOFFITS MORE THAN TWO FEET WIDE, PROVIDE J-HOOKS HUNG FROM STRUCTURE (4 HOOKS PRE 3/8 IN THREADED ROD.

CITY OF COVINGTON SERVICE NOTES

1. GRADES MUST BE WITHIN 6 INCHES OF FINAL BEFORE THE INSTALLATION OF THE SERVICE.
2. CONTRACTOR PROVIDED METER BASE MUST MEET THE METER BASE SPECIFICATION REQUIREMENTS LISTED ON THE CITY OF COVINGTON WEB SITE UNDER THE "ELECTRICAL DEPARTMENT" SECTION OF THE SITE. ALL SPACING REQUIREMENTS MUST BE MET.
3. CONTACT THE COVINGTON ELECTRIC DEPARTMENT FOR THE EXACT PLACEMENT OF THE METER BASE ON THE EXTERIOR STRUCTURE PRIOR TO SERVICE ROUGH-IN.
4. ON CONDENSED LOTS WHERE ACCESS BETWEEN STRUCTURES IS LIMITED WITH DIGGING EQUIPMENT, THE CONTRACTOR WILL BE REQUIRED TO INSTALL A 2 1/2 IN. C. FROM THE METER BASE TO THE RIGHT OF WAY.
5. NO CONSTRUCTION MATERIALS OR TRASH SHALL BE IN CONFLICT WITH THE INSTALLATION OF THE POWER SERVICE LATERAL TO THE STRUCUTRE.
6. OWNER/DEVELOPER TO SIGN EASEMENTS AND PAY ALL INFRASTRUCTURE RELOCATION COSTS PRIOR TO ANY WORK.
7. INSTALLATION CHARGES, IF APPLICABLE, MUST BE PAID IN FULL PRIOR TO ANY WORK.
8. CONTRACTOR IS REQUIRED TO INSTALL TEMPORARY POWER POLE, IF APPLICABLE. TEMPORARY PWOER POLE SPECIFICATIONS ARE LISTED ON THE CITY OF COVINGTON WEB SITE UNDER THE "ELECTRICAL DEPARTMENT" SECTION OF THE SITE.
9. ANY CHANGES OR ADDITIONS TO EXISTING ELECTRICAL LOADS RESULTING IN UPGRADES TO THE SERVICE AND/OR TRANSFORMER SIZE(S) WILL RESULT IN ASSOCIATED COSTS TO BE COVERED BY THE CONTRACTOR.
10. IF THE PROJECT SHOULD CAUSE RELOCATION OR REMOVAL OF ANY EXISTING POWER MAIN OR SERVICE, THERE WILL BE AN ASSOCIATED COST TO BE COVERED BY THE CONTRACTOR.

KEYED NOTES:

1. METER BASE SUPPLIED AND INSTALLED BY CONTRACTOR. PROVIDE 400A, 120/240V, 1PH, FEED-THRU TYPE METER COMPATIBLE WITH CITY OF COVINGTON STANDARDS. CONTRACTOR TO PAY ALL COSTS FOR METER BASE AND SERVICE SHOWN. SEE CITY OF COVINGTON SERVICE NOTES ON THIS SHEET.
2. SEE SERVICE GROUNDING DETAIL, 2/E-401.
3. NEW 120/240V, 400A/2P/3R S.E. RATED ENCLOSED SHUNT TRIP TYPE CIRCUIT BREAKER. 35.0 KAIC MINIMUM. PROVIDE LABEL "SERVICE DISCONNECT".
4. NEW 400A PANEL. SEE PANEL SCHEDULE ON SHEET E-402.
5. 3#600MCM, 4 IN. C.
6. 3#600MCM, #1/0G., 4 IN. C.



1 E-401 POWER RISER DIAGRAM
NO SCALE

T.V.S.S.

1 MAIN SERVICE PANELS, PROVIDE 4#6 CONDUCTORS IN 1 IN. C. FROM 60A/2P BREAKER IN SUPPLYING PANEL. PROVIDE BREAKER, IN U.L. 1449 LISTED, 200,000 SURGE CURRENT RATING, EATON EXTERNALLY MOUNTED "SPD" SERIES OR EQUAL.

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PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

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265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

POWER RISER & DETAILS

E-401

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MACON OFFICE - PROJECT #: M26024
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