



A. THIS BUILDING CONTAINS AREAS DETERMINED TO BE HAZARDOUS (CLASSIFIED) LOCATIONS. THE HAZARDOUS CLASSIFICATION RATING FOR THESE IDENTIFIED AREAS IS CLASS II, DIV1.

1. PROVIDE 4" WIDE x 8" HIGH 3/4" GRADE AC PLYWOOD BACKBOARD.
2. PROVIDE 24" WIDE x 30" DEEP x 48" HIGH (26 RU) WALL MOUNTED TELECOMMUNICATIONS EQUIPMENT CABINET.
3. PROVIDE PRIMARY BONDING BUSBAR (PBB) TO BE BONDED TO ELECTRICAL GROUND ELECTRODE SYSTEM. BOND PBB TO BUILDING STEEL AND RACK BONDING BUSBAR (RBB) IN WALL MOUNT CABINET.
4. PROVIDE TWO (2) 4-INCH CONDUIT EXTENSIONS FROM TELECOMMUNICATIONS EQUIPMENT CABINET TO THE BUILDING SERVING HANDHOLE. HDPE LATERAL CONDUITS MUST TRANSITION TO RGS BELOW GRADE PRIOR TO 90 DEGREE TURN UP THROUGH THE SLAB FOR INTERCONNECTION TO THE TELECOMMUNICATIONS EQUIPMENT CABINET.
5. WALL-MOUNTED PHONES IN ENERGETIC AREAS MUST BE STATIC-PROOF, INTRINSICALLY SAFE AND EXPLOSION RATED FOR A CLASS II DIV 1 AREA. PHONE TO BE EQUIPPED WITH FLASHING LIGHTS INDICATING RING SIGNAL. USE RGS CONDUIT, SEALING FITTINGS, AND EXPLOSION PROOF RECEPTACLE BOX TO MEET RATING.
6. PROVIDE RGS CONDUIT WITH SEALED RECEPTACLE BOX BEHIND EACH DEVICE. PROVIDE 2" RGS CONDUIT BETWEEN EX JUNCTION BOXES. PROVIDE 1" RGS CONDUIT TO DEVICE OUTLET. MAINTAIN SEALED CONDUIT THROUGHOUT HAZARDOUS CLASSIFIED AREA (CLASS II DIV 1).
7. PROCESS MONITORING CAMERAS IN ENERGETIC AREAS MUST BE STATIC PROOF, INTRINSICALLY SAFE, AND EXPLOSION RATED FOR A CLASS II DIV 1 AREA. PROVIDE RGS CONDUIT WITH SEALING FITTINGS, EXPLOSION PROOF RECEPTACLE BOX, AND OUTLET FOR EACH DEVICE.
8. PROVIDE TWO (2) EACH 4" TELECOM LATERAL CONDUITS TO FIBER HUT #1. ALL LATERAL CONDUITS FROM GRINDER TO BE FIELD COORDINATED WITH CIVIL. BUILDING SERVING HANDHOLE TO BE APPROXIMATELY 10' FROM BUILDING FOR INTERCONNECTION OF THE GRINDER BUILDING TO FIBER HUT #1.
9. PROVIDE ONE (1) 4-INCH SLEEVE WALL PENETRATION WITH BUSHINGS ON BOTH SIDES. PENETRATIONS INTO ENERGETIC AREAS MUST HAVE SEALED FITTINGS.
10. PROVIDE OUTLET FOR WEATHERPROOF WALL PHONE. TOP OF PHONE AT 48" AFF.
11. CAMERA OUTLET TO BE LOCATED 8' TO 12' AFF OR AS NEEDED TO PROVIDE CLEAR 90-DEGREE FIELD OF VIEW (FOV).
12. EX JUNCTION BOX TO BE 12" X 12" X 6" EXPLOSION PROOF, RATED FOR CLASS II DIV 1 GROUPS E, F, AND G. ENCLOSURE TO BE NEMA 4X RATED.
13. DATA OUTLET FOR ACCESS CONTROL PANEL. SEE TY-101.
14. BOTTOM OF CABLE TRAY SHALL BE 10' AFF.

The diagram illustrates a horizontal line divided into four segments of increasing length: 2', 4', 8', and 16'. Below the line, the text $3/16'' = 1'-0''$ is written. To the right, a circular inset shows a compass rose with a vertical line pointing up labeled 'PLAN NORTH' and a horizontal line pointing left labeled 'TRUE N'.

SHEET NO	
T-102	
SCALE	3/16" = 1'-0"
DATE	09/18/2024
PROJ	D3754502
DWG	CMON-OSD_Grinder_T-102