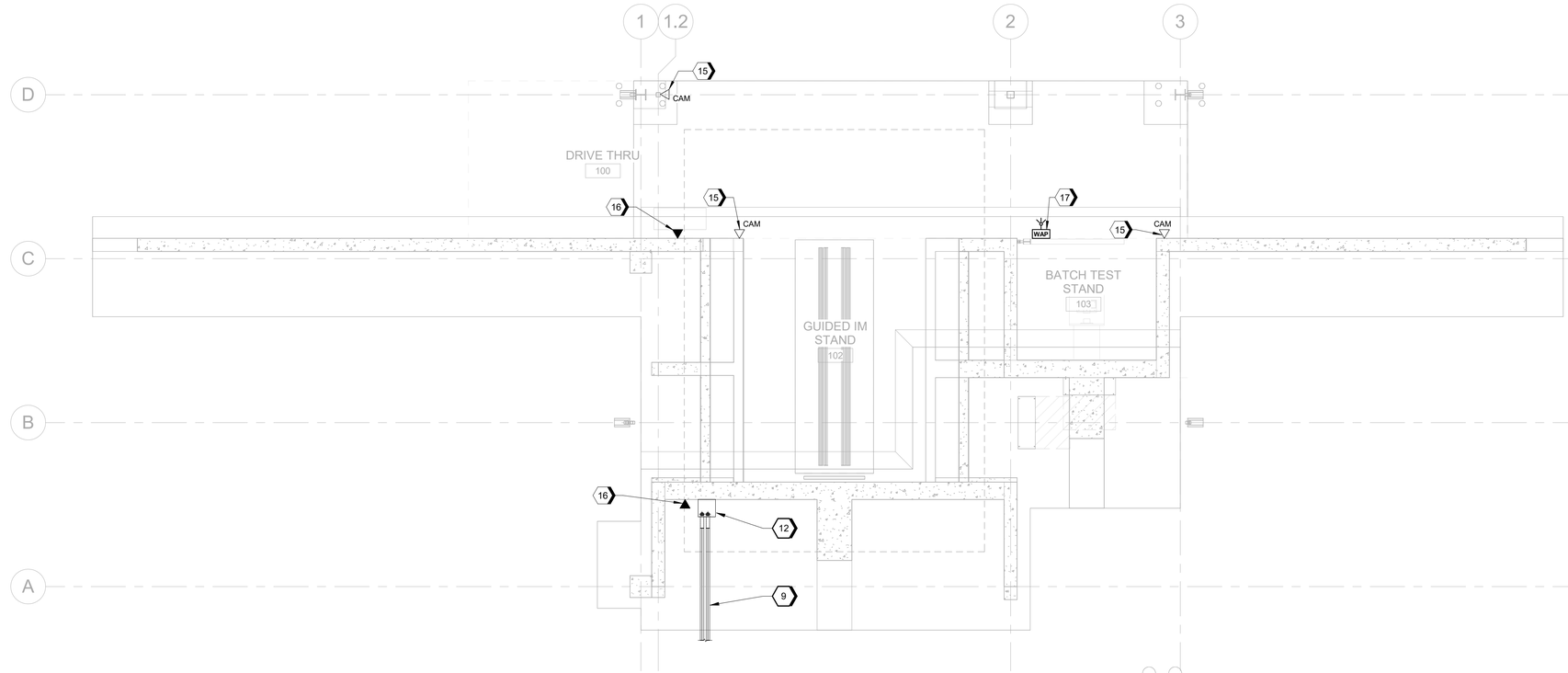

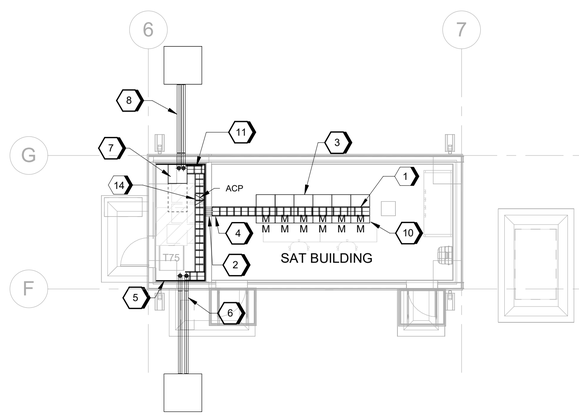

A1 OVERALL TEST STAND AND SAT TELECOMMUNICATIONS PLAN

SCALE 1/8" = 1'-0"

SHEET KEYNOTES

1. PROVIDE 12" LADDER RACK IN CONTROL ROOM 106. RACK TO HAVE A NORTH WALL ANCHOR AND BE SUPPORTED BY CABINET MOUNTS. CABINET RACK MOUNTS WILL NEED TO BE PLACED SO THAT MONITORS MAY BE MOUNTED ON THE FRONT OF THE CABINET TOP. MONITORS NEED TO BE FULLY VISIBLE FOR FRONT OF RACK VIEWING.
2. PROVIDE TWO (2) EACH 4" SLEEVES. SLEEVES TO BE MOUNTED ABOVE CABLE TRAY, BUSHED ON EACH END, AND FIRESTOPPED.
3. PROVIDE SIX (6) EACH 44U EQUIPMENT CABINETS 24"W x 36"D x 84"H. EACH CABINET TO HAVE TWO (2) MONITORS; ONE MOUNTED MID-CABINET AND ONE MOUNTED ON TOP OF THE CABINET FOR FRONT OF CABINET VIEWING.
4. PROVIDE 12" LADDER RACK IN IT/ELECTRIC ROOM 105. RACKS WILL BE MOUNTED ON EAST, SOUTH, AND WEST WALLS FOR CABLE ROUTING. WALL MOUNT SUPPORTS WILL BE USED. TARGET HEIGHT FOR LADDER RACK IS 96-INCH AFF, BUT NOT LESS THAN 12-INCH BELOW THE FINISHED CEILING AND NOT LESS THAN 86-INCH AFF. THE INSTALLED HEIGHT SHALL NOT INTERFERE WITH DOORS OR OTHER EQUIPMENT IN THE ROOM.
5. PROVIDE 4' WIDE x 8' HIGH 3/4" GRADE AC PLYWOOD BACKBOARD ON EAST, SOUTH, AND WEST WALLS OF IT/ELEC ROOM 105. BOTTOM OF PLYWOOD TO BE 6" AFF.
6. PROVIDE TWO (2) 4-INCH CONDUIT EXTENSIONS FROM SAT IT ROOM TO STUB-UP LOCATION. STUB-UP TO BE IN A 3' X 3' HANDHOLE 10' FROM BUILDING FOR INTERCONNECTION TO FIBER HUT #2.
7. PROVIDE 24" WIDE x 30" DEEP x 48" HIGH (26 RU) WALL MOUNTED TELECOMMUNICATIONS EQUIPMENT CABINET.
8. PROVIDE TWO (2) 4-INCH CONDUIT EXTENSIONS FROM SAT IT ROOM TO STUB-UP LOCATION. STUB-UP TO BE IN A 3' X 3' HANDHOLE APPROXIMATELY 8' FROM SAT FOR INTERCONNECTION TO TWO (2) 4-INCH RMC CONDUITS FROM TEST STAND BUILDING.
9. PROVIDE TWO (2) 4-INCH RMC CONDUITS FROM SAT IT ROOM TO TEST STAND BUILDING FOR EXTENSION OF TELECOMMUNICATIONS SERVICES TO THE TEST STAND. CONDUITS ARE STRUCTURALLY MOUNTED ON THE SURFACE OF THE BERM. AT THE TOP OF THE BERM, CONDUITS ARE ROUTED TO ENTER THE TEST STAND BUILDING FROM UNDER THE LEVEL 2 SLAB.
10. EACH EQUIPMENT CABINET HOUSES TWO (2) MONITORS. ONE MONITOR IS MOUNTED IN THE CABINET RACK, AND THE SECOND IS MOUNTED ON THE TOP OF THE CABINET. BOTH MONITORS ARE TO BE VIEWABLE FROM THE DESK IN FRONT OF THE CABINET ROW. THE EXACT MOUNTING POSITION OF THE IN-CABINET RACK MOUNT MONITOR WILL BE FIELD DETERMINED AND COORDINATED WITH THE CLIENT.
11. PROVIDE THE PRIMARY BONDING BUSBAR (PBB). CONNECT TO THE AC GROUNDING ELECTRODE. BOND PBB TO BUILDING STEEL AND THE RACK BONDING BUSBAR (RBB) IN THE WALL MOUNTED CABINET.
12. PROVIDE AN IP55 RATED, GALVANIZED STEEL, 24"W X 36"D X 30U, 19-INCH, ENVIRONMENTAL CONTROLLED, OUTDOOR CABINET. CABINET SHOULD HAVE CAPABILITY FOR TEMPERATURE AND HUMIDITY SENSORS. INTERNAL CONFIGURATION SHALL ACCOMMODATE FIBER OPTIC TERMINATION PANEL AND CFCI EQUIPMENT, INCLUDING BUT NOT LIMITED TO NETWORK SWITCH, CABLE MANAGEMENT, AND UPS.
13. PROVIDE OUTLET FOR WEATHERPROOF WALL PHONE TO BE MOUNTED ADJACENT TO THE TELECOMMUNICATIONS EQUIPMENT CABINET. TOP OF PHONE TO BE 48" ABOVE THE TOP OF SLAB.
14. PROVIDE DATA OUTLET FOR ACCESS CONTROL PANEL. SEE TY-101.
15. PROVIDE OUTDOOR RATED CAT 6 CABLE AND OUTDOOR RATED OUTLET BOXES FOR IP CAMERA NETWORK CONNECTION. CAMERA OUTLET BOX TO BE LOCATED 8' TO 12' AFF OR AS NEEDED TO PROVIDE CLEAR DESIGNED FOV. THE CAT 6 CABLE FOR EACH CAMERA LOCATION SHOULD BE ROUTED BACK TO THE TELECOMMUNICATIONS CABINET USING 1-INCH RMC CONDUIT FOR TERMINATION. EXACT CONDUIT ROUTES TO BE FIELD DETERMINED AND APPROVED BY CLIENT.
16. PROVIDE OUTLET FOR WEATHERPROOF WALL PHONE. TOP OF PHONE AT 48" ABOVE SLAB.

SHEET KEYNOTES

17. PROVIDE TWO (2) OUTDOOR RATED CAT 6A CABLES AND OUTDOOR RATED OUTLET BOX FOR WIRELESS ACCESS POINT (WAP). WAP OUTLET BOX TO BE MOUNTED 8' TO 12' AFF. THE CAT 6A CABLES ARE ROUTED BACK TO THE TELECOMMUNICATIONS CABINET USING 1-INCH RMC CONDUIT FOR TERMINATION. EXACT CONDUIT ROUTES TO BE FIELD DETERMINED AND APPROVED BY THE CLIENT.

GRAPHIC SCALE(S)

0 4' 8' 16' 24'

1/8" = 1'-0"

PLAN NORTH

TRUE N

NO.	DATE	REVISION	BY	APV'D
0	09/18/2024	100% ISSUED FOR CONSTRUCTION - EXPANSION	BP	MT

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TELECOMMUNICATION
OVERALL FIRST FLOOR PLAN

SHEET NO
T-102

SCALE	1/8" = 1'-0"
DATE	09/18/2024
PROJ	D3754502
DWG	CMDN-OSD_Test-Stand_T-102

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