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снескер ву: РЈG	SITE CODE:	ISSUE DATE: 05/10/2022	
VED BY:	AL PROJECT NO. 1925	PROJECT NO. 1233 MZ00806 PROJECT MANAGER	TT ARNOLD

EJB

CAPITAL PROJECT NO.
1043925

1043925

OTHER PROJECT NO.
7596233

KRSM200806

BASE PROJECT MANAGER

STH CIVIL ENGINEER GROUP

SCOTT ARNOLD

th SOFTWARE
RING FACILITY
I CONDUIT RISER DIAGRAM

HAFB 309th SOFTWAR ENGINEERING FACILIT

T-601
SHEET 117 OF 123

UOICE-DATA SCHEDULE

ELECTRONIC SYSTEMS:

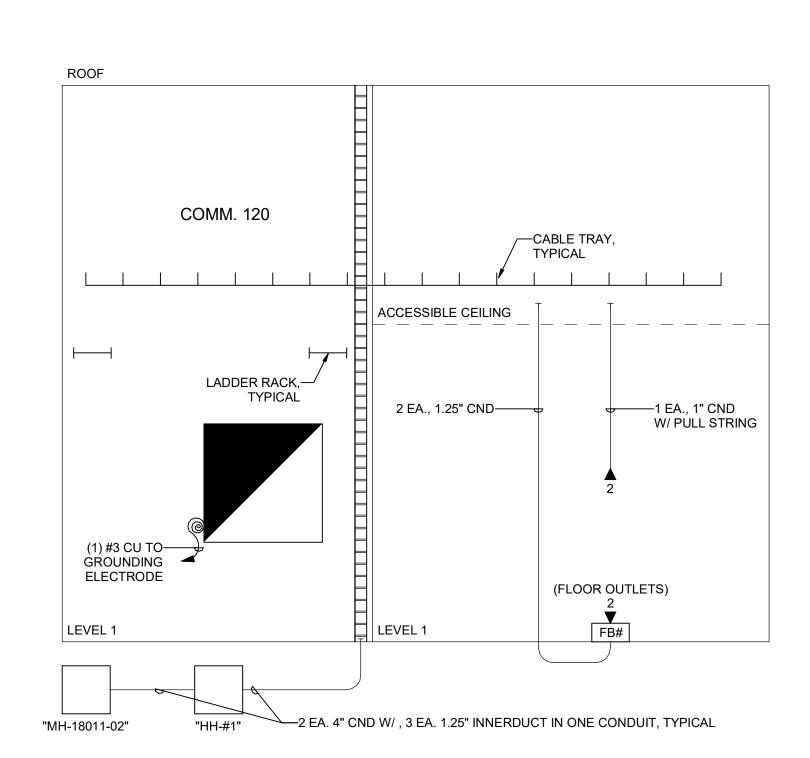
REFER TO DIVISION 26 SPECIFICATIONS AND WIRING DEVICE SCHEDULES FOR INSTALLATION REQUIREMENTS. MOUNTING HEIGHTS SHOWN ARE TYPICAL HEIGHTS. REFER TO DRAWINGS, ARCHITECTURAL ELEVATIONS, DRAWINGS AND SPECIFICATIONS FOR ACTUAL MOUNTING HEIGHTS.

SYMBOL MOUNTING DESCRIPTION ROUGH-IN MATERIALS

WALL DATA OUTLET 4-11/16" SQUARE, DEEP JUNCTION BOX WITH DOUBLE GANG MUD RING MOUNT AT ELECTRICAL OUTLET HEIGHT OR AS NOTED

"A" INDICATES ABOVE COUNTER MOUNTING

C4 VOICE DATA SCHEDULE T-601 SCALE: NTS



T-601 SCALE: NTS

Statement of Work

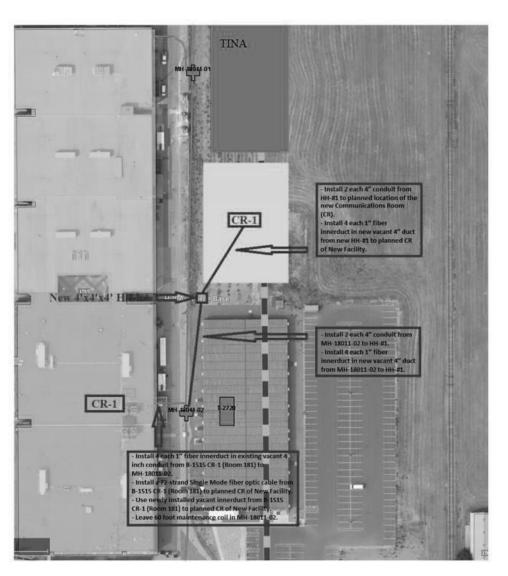
309th SWEG 1 MILCON - WO1393207 Premise Wiring and Comm Room Buildout

1. General Communications Installation Requirements

- 1.1. The contractor shall provide all labor, material, equipment, tools, testing, transportation, and supervision to accomplish the follow task order.
- 1.2. The contractor shall provide appropriate safety measures and daily cleanup at the end of the day. The contractor shall abide by local work area safety standards. Several of the work areas require steel toe shoes, safety glasses, and hearing protection.
- 1.3. All communication work and designs shall be in conformance with the applicable portions of the latest editions of UFC 3-580-01 <u>Telecommunications Interior</u> Infrastructure Planning and Designing, ETLs, AFIs, IBC, NFPA, the National Electric Code (NEC), and American National Standards Institute/Telecommunications Industry Association/Electronics Industries Alliance (ANSI/TIA/EIA)-568 and -569. Telecommunications grounding shall be done in accordance with TIA/EIA-607 and ANSI-J-STD-607-A-2002.
- 1.4. The point of contract for this project is Kelly Yocum, 75 ABW/SCXP, DSN 777-9318 or commercial (801) 777-9318. The contractor shall notify the SCXP office before beginning any work. All customer requested changes to cable locations, additions, or moves shall be coordinated through the 75 ABW/SCXP Project Manager for review and approval prior to implementation.
- 1.5. The use of bldg. structures such as pipes, beams, HVAC ducts etc. is not acceptable for use as cable supports.

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25 April 2022



2. Fiber Path

2.1. Man-Hole/Hand-Hole Installation.

a. Install one each 4'x4'x4' Hand-Hole with hinged square lid identified on drawing as New HH-#1.

2.2. CONDUIT INSTALLATION:

- a. Install 2 each 4" conduit from MH-18011-02 to HH-#1.
- b. Install 2 each 4" conduit from HH-#1 to planned location of the new Communications Room (CR).

2.3. FIBER INNERDUCT INSTALLATION:

- a. Install 4 each 1" fiber innerduct in existing vacant 4 inch conduit from B-1515 CR-1 (Room 181) to MH-18011-02.
- b. Install 4 each 1" fiber innerduct in new vacant 4" duct from MH-18011-02
- c. Install 4 each 1" fiber innerduct in new vacant 4" duct from new HH-#1 to planned CR of New Facility.

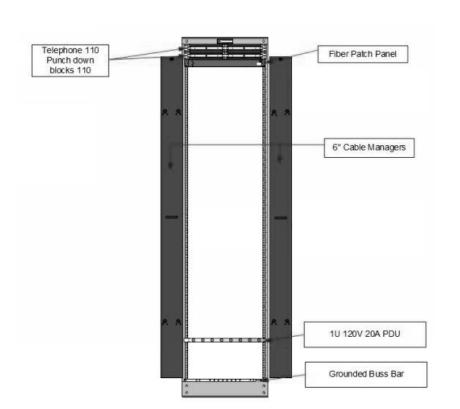
2.4. FIBER CABLE INSTALLATION:

- a. Install a 72-strand Single Mode fiber optic cable from B-1515 CR-1 (Room 181) to planned CR of New Facility.
- Use newly installed vacant innerduct from B-1515 CR-1 (Room 181) to planned CR of New Facility.
- Leave 60 foot maintenance coil in MH-18011-02.

2.5. FIBER TERMINATION:

- a. In B-1515 terminate the 72 fiber strands in new 4U 288 capacity rack mounted panel with LC type connectors.
- Label B-1515 panel, FO: B-1515 CR-1/R-3 to TBD facility number B-XXXX CR-1/R-1 (1-72).
- b. In new facility terminate 72 fiber strands in new 2U 72 capacity rack mounted panel with LC type connectors.
- Label TBD B-XXXX panel, FO: B-XXXXCR-1/R-1 to B-1515 CR-1/R-3

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2.6. COPPER CABLE INSTALLATION:

- a. Copper cables shall be terminated on Building Entrance Protection (BEP)
- b. Install a 25 pair, 24 AWG, PE89 copper cable from MH-18011-02 to planned CR of New Facility.
- c. Use one of the new 1" innerduct installed to HH#1 and continue to new planned CR of New Facility.
- In MH-18011-02 open existing stainless steel splice case and splice new 25 pair cable into Cable 20, 4476-4500.
- Reseal existing splice case.

d. Label BEPs in facility.

Label B-XXXX (TBD) terminal, T-XXXX, CA-20, 4476-4500.

2.7. TESTING:

2.8. DRAWINGS:

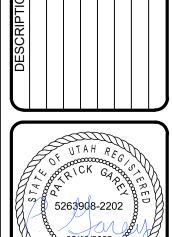
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- a. Provide fiber loss test results using power meters on the 72 Fiber cable from B-1515 to New Facility (TBD Bldg. Identifier).
- b. 75ABW/SCOIW will accomplish testing of the copper cable pairs installed

under this project.

a. Contractor shall provide as-built drawings to include manhole butterfly drawings showing conduit usage.



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