

TUSCALOOSA CITY WALK PROJECT ALBERTA PARKWAY SECTION PHASE - 1B FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE

A MATCHLINE: SEE DRAWING #TD-02
SEE SHEET #3 OF 13 **A**

FIBER INFRASTRUCTURE PROJECT CONTRACTOR NOTE:

- The data concerning the Construction of the Gateway - ATC / City Walk IT-Comm. Room #130, Entrance Conduits, Station Conduits, HVAC Units, and Electrical Panel, Circuits and Receptacle / Outlet and Ground Bar, Wireless Network Controllers, Security FW / Router EQMT, AV System EQMT, Digital Signage System EQMT, Network Camera System EQMT, LED Lighting Control & Monitoring System, Network Data Switches (Fiber & Copper), Network Data Services, KVM Units, UPS / Battery Units, Alarm & Door Access Control System, and the Data Storage EQMT System that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under separate contracts.
- The Installation of all IT-Cabinets and Hardware, Fiber and LIU / FODPU's, CAT-6 Station Cable and Termination Panels, Faceplates with all Mounting Hardware are the Fiber Infrastructure- Vendor / Contractor's Responsibility.
- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure- Vendor / Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security / Camera Network and Wireless Network Vendors / Contractors for installation.
- The Telecommunications Grounding Busbar (TGB) for the IT-Comm. Cabinets shall be a Square-D Ground Bar Kit Model/Part #PK9GTACB. It shall be mounted in the upper right hand corner. The Contractor / Vendor shall provide and make-up all ground connections. All grounding connections shall be tagged and labeled. The TGB's shall be installed by the Electrical Contractor.
- Pole mounted IT-Cabinets are being provided by The City of Tuscaloosa and installed by others.
- All IT Infrastructure conduit, innerducts, and QB / Vaults are being provided and installed by others.
- The Fiber Infrastructure - Vendor / Contractor shall install a #10 Locator Wire in the conduits along with all Fiber Cables. Location Terminals shall be installed in each IT-Cabinet and Vault. All Terminals and Location Wires shall be labeled.

CONTRACTOR/VENDOR NOTES:

- THE FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE EQUIPMENT, AS INDICATED ON THIS PROJECT ARE FOR THE PURPOSE OF SETTING AN OVERALL DESIGN STANDARD. IT IS THE RESPONSIBILITY OF THE FIBER / CABLING INFRASTRUCTURE CONTRACTOR / VENDOR TO PROVIDE AND INSTALL A COMPLETE OPERATIONAL SYSTEM. THE VENDOR SHALL PROVIDE DETAILED RESPONSE INFORMATION CONCERNING THEIR PROPOSED SOLUTION TO THE CONSULTANT / ENGINEER FOR REVIEW AND APPROVAL.
- CONTRACTOR / VENDOR IS TO VERIFY ALL FOOTAGES PRIOR TO ORDERING ALL MATERIALS. THE CONTRACTOR / VENDORS IS RESPONSIBLE FOR ALL CALCULATIONS AND THE ACCURACY OF MEASUREMENTS.

- 101.** PLACE ALL FIBER OPTIC CABLE AS INDICATED ON DRAWINGS IN CONDUITS AND INNERDUCTS.
- 102.** INSTALL:
(4) 47 HOLE RACKS / HUBBELL PT. #400551 IN EACH VAULT.
(2) 18 HOLE RACKS / HUBBELL PT. #400550 IN EACH VAULT.
(16) "S" BRACKETS / HUBBELL PT. #440556 IN EACH VAULT.
(18) 10" RACK HOOKS / HUBBELL PT. #400524 IN EACH VAULT.
SEE VAULT DETAIL DRAWING TO-12, SHEET #13 OF 15.

- 103.** INSTALL:
(1) NEMA 4X BOX 5" X 5" X 3" J-BOX ON EACH POLE FOR THE SECURITY CAMERA PORTAL LOCATION AS INDICATED ON POLE DETAIL DRAWINGS. THE ELECTRICAL CONTRACTOR WILL BE INSTALLING THE J-BOXES FOR THE IT-CABINETS AND THE WAP PORTAL LOCATIONS.

- 104.** GROUND AND EQUIPMENT AS REQUIRED TO THE SQUARE-D GROUND BAR / TGB IN EACH POLE MOUNTED IT-CABINET IN UPPER RIGHT HAND CORNER AS INDICATED ON POLE DETAIL DRAWINGS. SEE NOTE #5.

- 105.** THE CONTRACTOR IS TO PROVIDE ALL FIBER OPTIC AND CAT-6 PATCH CORDS / JUMPERS FOR THE PROJECT. THEY SHALL BE ORDERED AND DELIVERED TO THE CITY OF TUSCALOOSA AS INDICATED IN THE SPECS.

- 106.** INSTALL:
(1) #10 (BLACK) LOCATOR WIRE IN THE CONDUITS/ INNERDUCTS ALONG WITH THE FIBER CABLES. (SEE NOTE #8 ABOVE.)

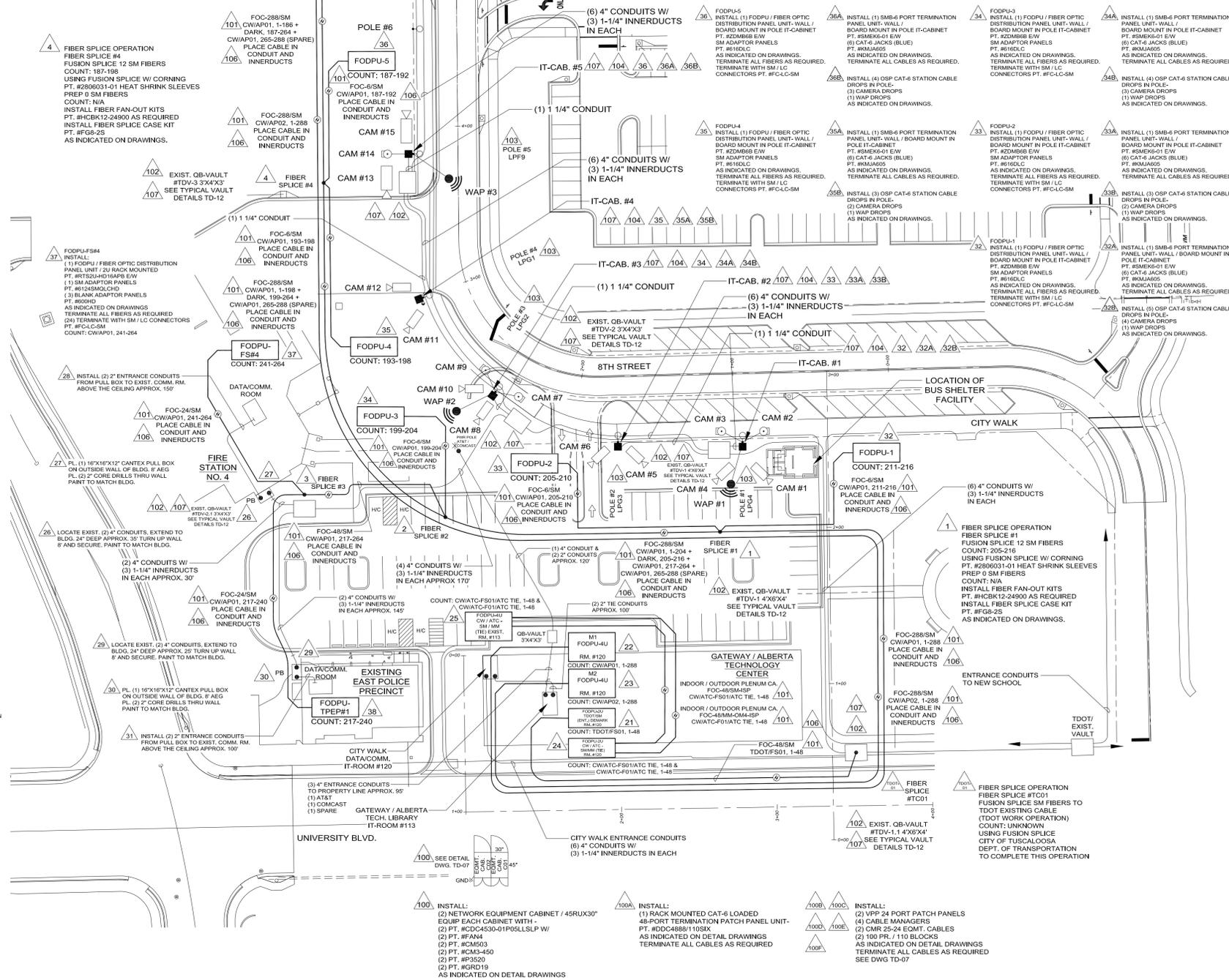
- 107.** INSTALL:
(1) SQUARE-D LOCATION TERMINAL (PT. #K9GTACP) IN EACH IT-CABINET AND VAULT. (SEE NOTE #8 ABOVE.)

NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE: CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

LEGEND	
	WAP / WIRELESS ACCESS POINT
	QB / VAULTS 3' X 4' X 3' AND 4' X 6' X 4'
	DEAD / ZONE CAMERA
	IN-LINE CAMERAS
	POLE MOUNTED IT / COMM CABINET NEMA-4 / 16" X 16" X 6"



- 101.** FOC-288/SM C/W/A/P/1, 1-198 + DARK, 197-264 + C/W/A/P/1, 265-288 (SPARE) PLACE CABLE IN CONDUIT AND INNERDUCTS
- 102.** EXIST. QB-VAULT #TDV-3 3'X4'X3' SEE TYPICAL VAULT DETAILS TO-12
- 103.** PL (1) 16"X16"X12" CANTEX PULL BOX ON OUTSIDE WALL OF BLDG. # AEG PL (2) 2" CORE DRILLS THRU WALL PAINT TO MATCH BLDG.
- 104.** LOCATE EXIST. (2) 4" CONDUITS, EXTEND TO BLDG. 24" DEEP APPROX. 35" TURN UP WALL 8" AND SECURE. PAINT TO MATCH BLDG.
- 105.** PL (1) 16"X16"X12" CANTEX PULL BOX ON OUTSIDE WALL OF BLDG. # AEG PL (2) 2" CORE DRILLS THRU WALL PAINT TO MATCH BLDG.
- 106.** LOCATE EXIST. (3) 4" CONDUITS, EXTEND TO BLDG. 24" DEEP APPROX. 25" TURN UP WALL 8" AND SECURE. PAINT TO MATCH BLDG.
- 107.** PL (1) 16"X16"X12" CANTEX PULL BOX ON OUTSIDE WALL OF BLDG. # AEG PL (2) 2" CORE DRILLS THRU WALL PAINT TO MATCH BLDG.
- 108.** LOCATE EXIST. (3) 4" CONDUITS, EXTEND TO BLDG. 24" DEEP APPROX. 25" TURN UP WALL 8" AND SECURE. PAINT TO MATCH BLDG.
- 109.** PL (1) 16"X16"X12" CANTEX PULL BOX ON OUTSIDE WALL OF BLDG. # AEG PL (2) 2" CORE DRILLS THRU WALL PAINT TO MATCH BLDG.
- 110.** SEE DETAIL DWG. TD-07
- 111.** INSTALL:
(2) NETWORK EQUIPMENT CABINET / 45RU X30"
EQUIP EACH CABINET WITH -
(2) PT. #C0C4530-01P08LSL P/W
(2) PT. #FAM
(2) PT. #CM503
(2) PT. #CM5-450
(2) PT. #FCS20
(2) PT. #GRD19
AS INDICATED ON DETAIL DRAWINGS
- 112.** INSTALL:
(1) RACK MOUNTED CAT-6 LOADED 48-PORT TERMINATION PATCH PANEL UNIT - PT. #DDC4888/108IX AS INDICATED ON DETAIL DRAWINGS TERMINATE ALL CABLES AS REQUIRED
- 113.** EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 114.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 115.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
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- 116.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
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- 117.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
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TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 118.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
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COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 119.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
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- 120.** FODPU-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
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(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 121.** FODPU-TDOT DEMARK-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
(2) SM ADAPTOR PANELS PT. #6124SMQLCHD
(3) BLANK ADAPTOR PANELS PT. #600HD
AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
(28) TERMINATE WITH SM / LC CONNECTORS PT. #FC-LC-SM
COUNT: TDOT/F01, 1-48
- 122.** FODPU-M1-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
(2) SM ADAPTOR PANELS PT. #6124SMQLCHD
(3) BLANK ADAPTOR PANELS PT. #600HD
AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
(28) TERMINATE WITH SM / LC CONNECTORS PT. #FC-LC-SM
COUNT: C/WIAP/2, 1-288
- 123.** FODPU-M2-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
(2) SM ADAPTOR PANELS PT. #6124SMQLCHD
(3) BLANK ADAPTOR PANELS PT. #600HD
AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
(28) TERMINATE WITH SM / LC CONNECTORS PT. #FC-LC-SM
COUNT: C/WIAP/2, 1-288
- 124.** FODPU-M2-120 INSTALL:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 2U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 125.** FODPU-C/WIATC-113 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
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- 126.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
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- 127.** FODPU-C/WIATC-128 EXISTING:
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- 129.** FODPU-C/WIATC-128 EXISTING:
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- 130.** FODPU-C/WIATC-128 EXISTING:
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- 131.** FODPU-C/WIATC-128 EXISTING:
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- 132.** FODPU-C/WIATC-128 EXISTING:
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- 135.** FODPU-C/WIATC-128 EXISTING:
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- 136.** FODPU-C/WIATC-128 EXISTING:
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- 137.** FODPU-C/WIATC-128 EXISTING:
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- 138.** FODPU-C/WIATC-128 EXISTING:
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- 139.** FODPU-C/WIATC-128 EXISTING:
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- 140.** FODPU-C/WIATC-128 EXISTING:
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- 141.** FODPU-C/WIATC-128 EXISTING:
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COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 142.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 143.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 144.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 145.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 146.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 147.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 148.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 149.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 150.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 151.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 152.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 153.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 154.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 155.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 156.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT / 4U RACK MOUNTED PT. #RTS2L4HD16APB E/W
INSTALL SM/MM ADAPTOR PANELS
(2) SM PT. #6124SMQLCHD AND (2) MM PT. #6124LCSG5HD AS INDICATED ON DRAWINGS
TERMINATE ALL FIBERS AS REQUIRED
TERMINATE WITH SM / MM LC CONNECTORS (48) PT. #FC-LC-SM AND (48) PT. #FC-LC-MM-Q/O
COUNT: C/WIATC-F01/ATC TIE, 1-48 C/WIATC-F01/ATC TIE, 1-48
- 157.** FODPU-C/WIATC-128 EXISTING:
(1) FODPU / FIBER OPT

TUSCALOOSA CITY WALK PROJECT ALBERTA PARKWAY SECTION PHASE - 1B FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE



FIBER INFRASTRUCTURE PROJECT CONTRACTOR NOTE:

- The data concerning the Construction of the Gateway - ATC / City Walk IT-Comm. Room #120, Entrance Conduits, Station Conduits, HVAC Units, and Electrical Panel, Circuits and Receptacle / Outlet and Ground Bar, Wireless Network Controllers, Network FW / Router EQMT, AV System EQMT, Digital Signage System EQMT, Security Camera System EQMT, LED Lighting Control & Monitoring System, Network Data Switches (Fiber & Copper), Network Data Services, KVM Units, UPS / Battery Units, Alarm & Door Access Control System, and the Data Storage EQMT System that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under separate contracts.
- The Installation of all IT-Cabinets and Hardware, Fiber and LIU / FODPU's, CAT-6 Station Cable and Termination Panels, Faceplates with all Mounting Hardware are the Fiber Infrastructure- Vendor / Contractor's Responsibility.
- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure- Vendor / Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security / Camera Network and Wireless Network Vendors / Contractors for installation.
- The Telecommunications Grounding Busbar (TGB) for the IT-Comm. Cabinets shall be a Square-D Ground Bar Kit Model Part #PK9GCTACP. It shall be mounted in the upper right hand corner. The Contractor / Vendor shall provide and make-up all ground connections. All grounding connections shall be tagged and labeled. The TGB's shall be installed by the Electrical Contractor.
- Pole mounted IT-Cabinets are being provided by The City of Tuscaloosa and installed by others.
- All IT Infrastructure conduit, innerducts, and QB / Vaults are being provided and installed by others.
- The Fiber Infrastructure - Vendor / Contractor shall install a #10 Locator Wire in the conduits along with all Fiber Cables. Location Terminals shall be installed in each IT-Cabinet and Vault. All Terminals and Locator Wires shall be labeled.

CONTRACTOR/VENDOR NOTES:

- THE FIBER / CABLING INFRASTRUCTURE SYSTEM AND TERMINATION HARDWARE EQUIPMENT, AS INDICATED ON THIS PROJECT ARE FOR THE PURPOSE OF SETTING AN OVERALL DESIGN STANDARD. IT IS THE RESPONSIBILITY OF THE FIBER / CABLING INFRASTRUCTURE CONTRACTOR / VENDOR TO PROVIDE AND INSTALL A COMPLETE OPERATIONAL SYSTEM. THE VENDOR SHALL PROVIDE DETAILED RESPONSE INFORMATION CONCERNING THEIR PROPOSED SOLUTION TO THE CONSULTANT / ENGINEER FOR REVIEW AND APPROVAL.
- CONTRACTOR / VENDOR IS TO VERIFY ALL FOOTAGES PRIOR TO ORDERING ALL MATERIALS. THE CONTRACTOR / VENDORS IS RESPONSIBLE FOR ALL CALCULATIONS AND THE ACCURACY OF MEASUREMENTS.

101. PLACE ALL FIBER OPTIC CABLE AS INDICATED ON DRAWINGS IN CONDUITS AND INNERDUCTS.

102. INSTALL (4) 47 HOLE RACKS / HUBBELL PT. #400551 IN EACH VAULT. (2) 18 HOLE RACKS / HUBBELL PT. #400550 IN EACH VAULT. (16) "S" BRACKETS / HUBBELL PT. #440556 IN EACH VAULT. (18) 10" RACK HOOKS / HUBBELL PT. #400524 IN EACH VAULT. SEE VAULT DETAIL DRAWING TD-12, SHEET #13 OF 15.

103. INSTALL (1) NEMA 4X BOX 5" X 5" X 3" J-BOX ON EACH POLE FOR THE SECURITY CAMERA PORTAL LOCATION AS INDICATED ON POLE DETAIL DRAWINGS. THE ELECTRICAL CONTRACTOR WILL BE INSTALLING THE J-BOXES FOR THE IT-CABINETS AND THE WAP PORTAL LOCATIONS.

104. GROUND AND EQUIPMENT AS REQUIRED TO THE SQUARE-D GROUND BAR / TGB IN EACH POLE MOUNTED IT-CABINET IN UPPER RIGHT HAND CORNER AS INDICATED ON POLE DETAIL DRAWINGS. SEE NOTE #5.

105. THE CONTRACTOR IS TO PROVIDE ALL FIBER OPTIC AND CAT-6 PATCH CORDS / JUMPERS FOR THE PROJECT. THEY SHALL BE ORDERED AND DELIVERED TO THE CITY OF TUSCALOOSA AS INDICATED IN THE SPECS.

106. INSTALL (1) #10 (BLACK) LOCATOR WIRE IN THE CONDUITS/ INNERDUCTS ALONG WITH THE FIBER CABLES. (SEE NOTE #6 ABOVE.)

107. INSTALL (1) SQUARE-D LOCATION TERMINAL (PT. #PK9GCTACP) IN EACH IT-CABINET AND VAULT. (SEE NOTE #6 ABOVE.)

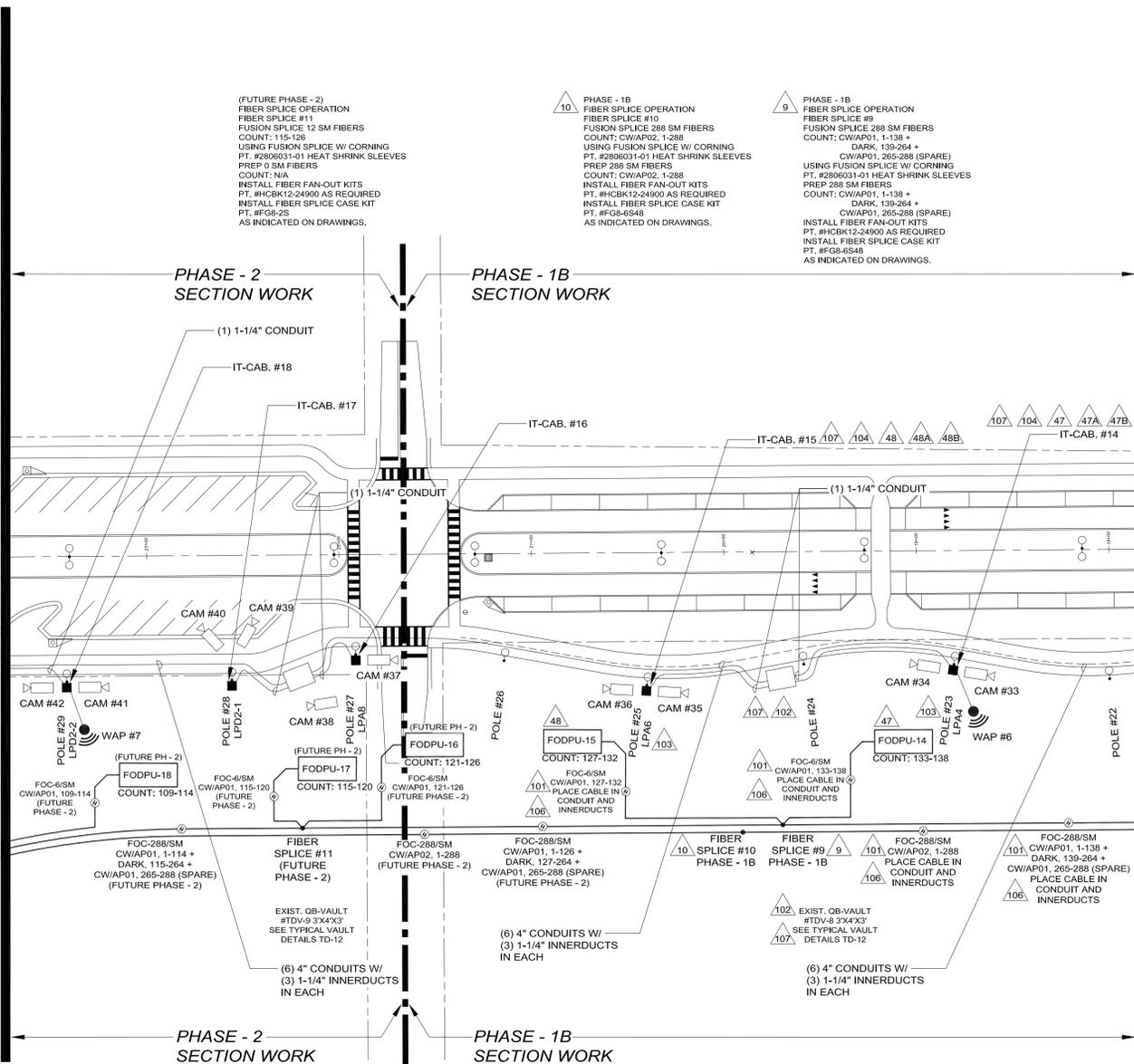
NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE: CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

LEGEND	
	WAP / WIRELESS ACCESS POINT
	QB / VAULTS 3' X 4' X 3' AND 4' X 6' X 4'
	DEAD / ZONE CAMERA
	IN-LINE CAMERAS
	POLE MOUNTED IT / COMM CABINET NEMA-4 / 16" X 16" X 6"

MATCHLINE: FOR FUTURE PHASE 2 SECTION WORK



MATCHLINE: SEE DRAWING #TD-03 SEE SHEET #4 OF 13

48. PHASE - 1B FODPU-15 INSTALL (1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT- WALL / BOARD MOUNT IN POLE IT-CABINET PT. #Z0MB88 EW SM ADAPTOR PANELS PT. #B16DLC AS INDICATED ON DRAWINGS. TERMINATE ALL FIBERS AS REQUIRED. TERMINATE WITH SM / LC CONNECTORS PT. #FC-LC-SM

48A. PHASE - 1B INSTALL (1) SMB-6 PORT TERMINATION PANEL UNIT- WALL / BOARD MOUNT IN POLE IT-CABINET PT. #Z0MB88 EW SM ADAPTOR PANELS PT. #B16DLC AS INDICATED ON DRAWINGS. TERMINATE ALL CABLES AS REQUIRED.

47. PHASE - 1B FODPU-14 INSTALL (1) FODPU / FIBER OPTIC DISTRIBUTION PANEL UNIT- WALL / BOARD MOUNT IN POLE IT-CABINET PT. #Z0MB88 EW SM ADAPTOR PANELS PT. #B16DLC AS INDICATED ON DRAWINGS. TERMINATE ALL FIBERS AS REQUIRED. TERMINATE WITH SM / LC CONNECTORS PT. #FC-LC-SM

47A. PHASE - 1B INSTALL (1) SMB-6 PORT TERMINATION PANEL UNIT- WALL / BOARD MOUNT IN POLE IT-CABINET PT. #Z0MB88 EW SM ADAPTOR PANELS PT. #B16DLC AS INDICATED ON DRAWINGS. TERMINATE ALL CABLES AS REQUIRED.

47B. PHASE - 1B INSTALL (3) OSP CAT-6 STATION CABLE DROPS IN POLE (2) CAMERA DROPS (1) WAP DROPS AS INDICATED ON DRAWINGS.

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ENGINEERING, PLANNING, GIS & SURVEYING
www.walkercivil.com
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2890 Rice Mine Road NE
Tuscaloosa, AL 35406

TUSCALOOSA CITY WALK PROJECT
ALBERTA PARKWAY SECTION PHASE - 1B
Fiber / Cabling Infrastructure System
and Termination Hardware
City of Tuscaloosa
Tuscaloosa, Alabama

APPROVED BY:

REVISIONS:	DATE:	DESCRIPTION:

SCALE:
NTS
DRAWING No. TD-04
SHEET No. 5 of 13

JOB NO: TALA-201601

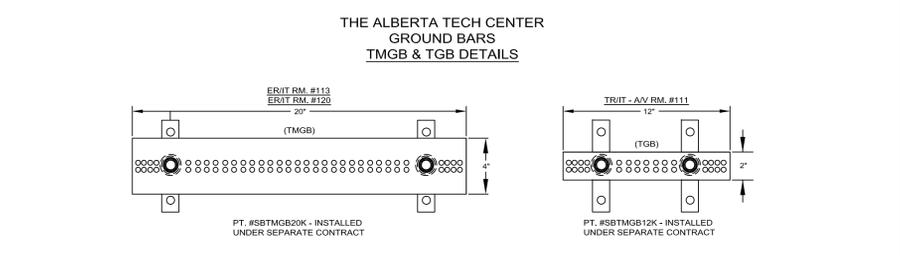
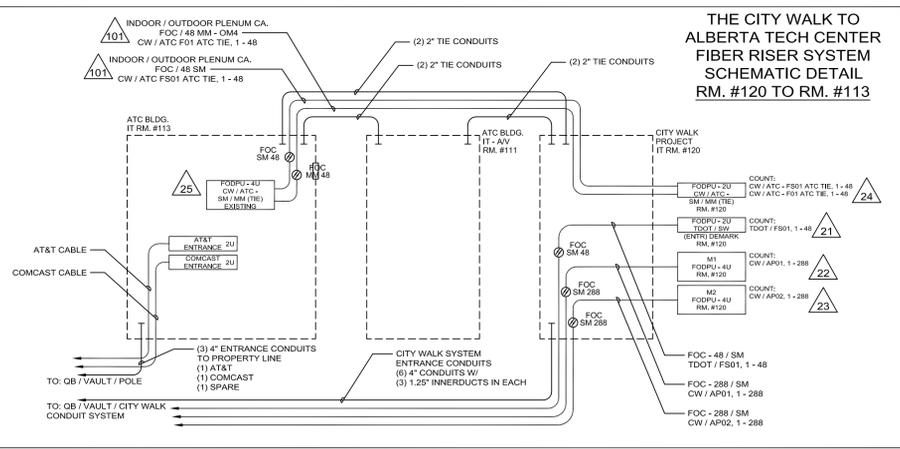
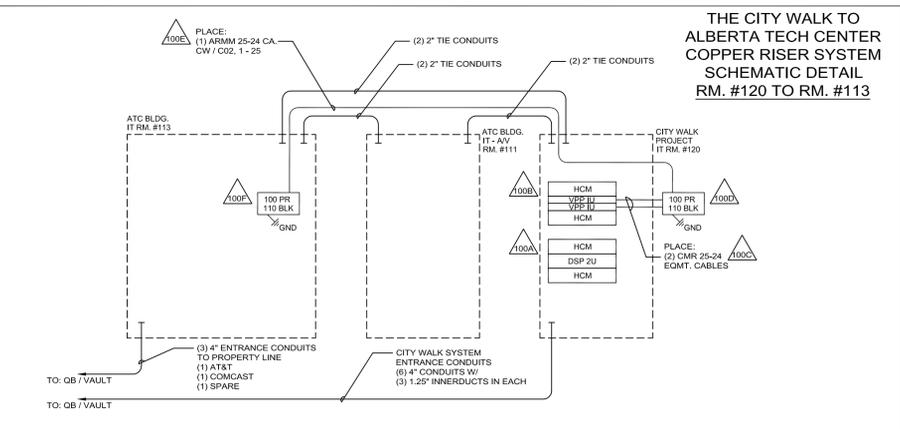
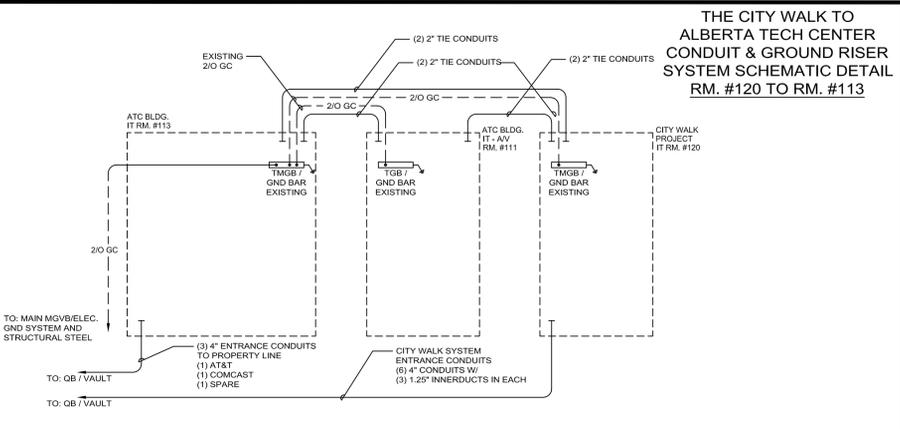
DESIGNED BY: TSW	DRAWN BY: JWT
CHECKED BY: TSW	DATE: 02/29/2016
DRAWING NAME: TD-04	

CERTIFIED ENGINEER
MARIE

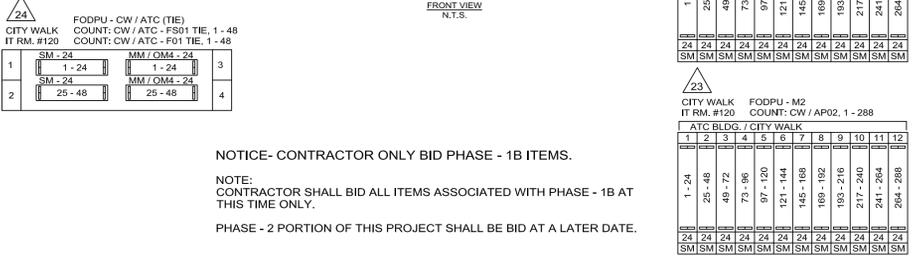
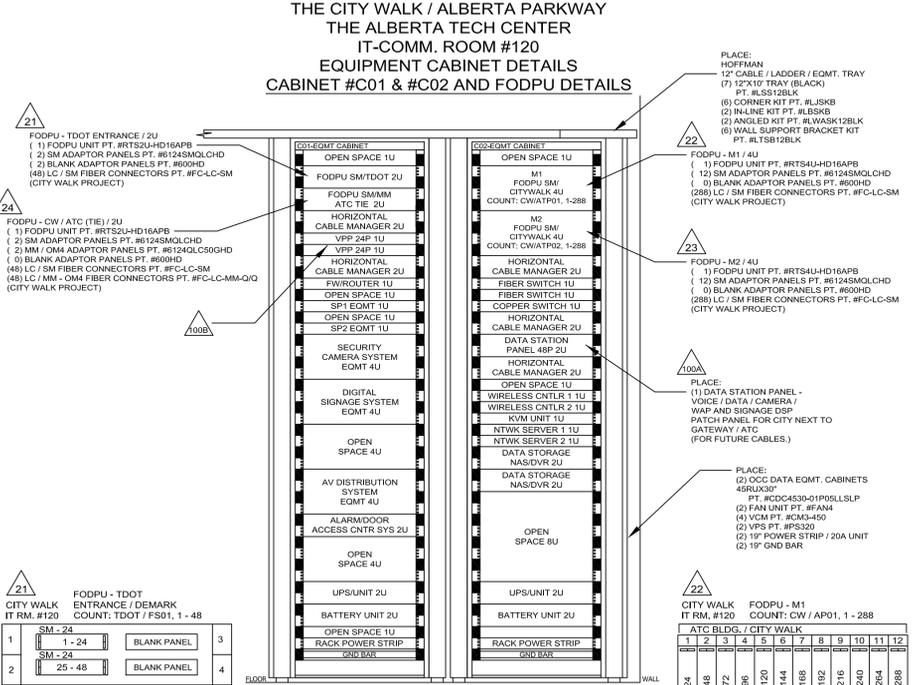
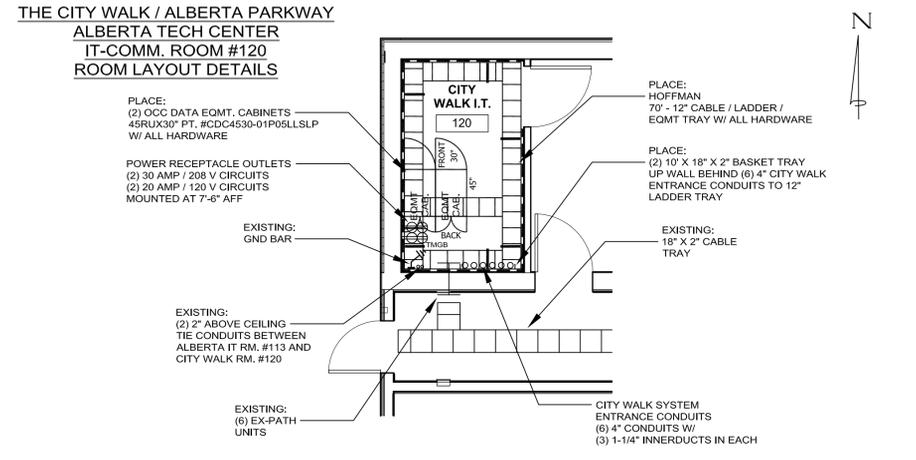
TALA Professional Services
1110 30TH STREET SOUTH, SUITE #306
BIRMINGHAM, ALABAMA 35205
PH. (205) 578-1993
www.TALAPro.com

RCDD REGISTRATION NO. 12777
OSD REGISTRATION NO. 141886

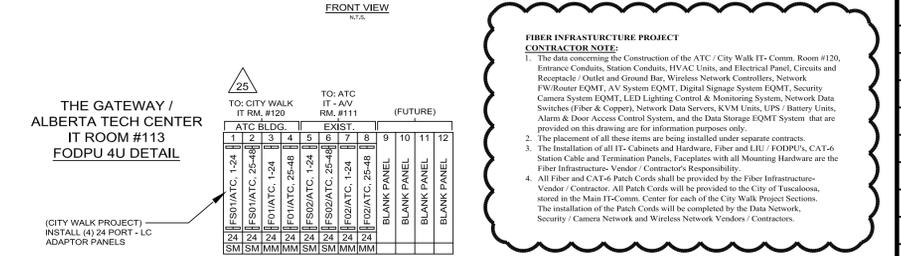
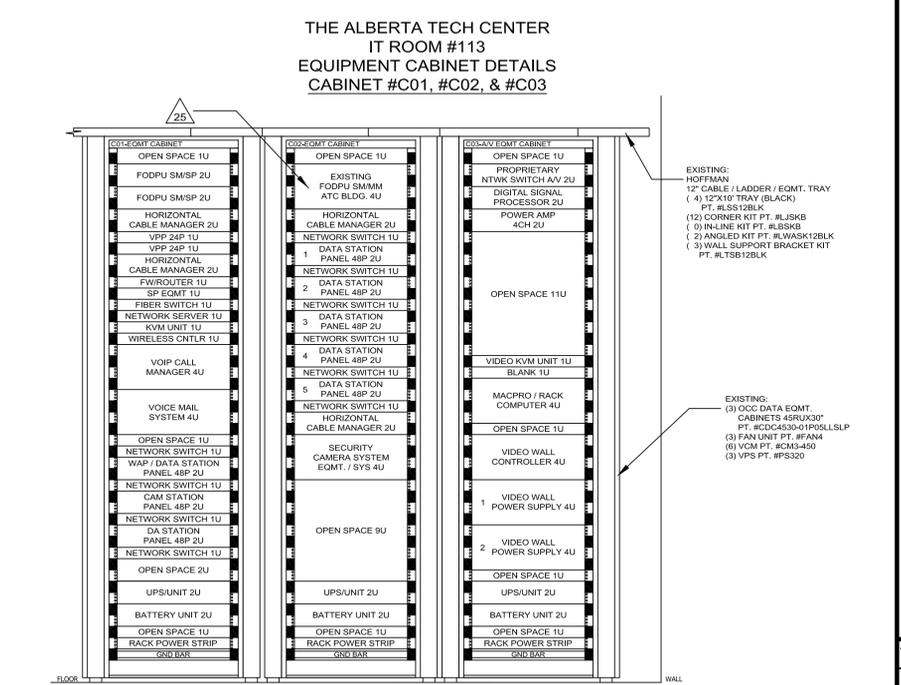
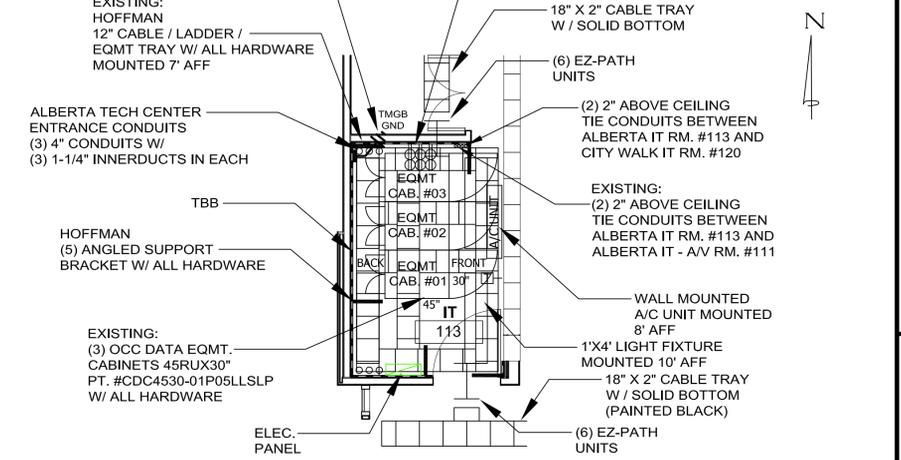
NO.	DATE	DESCRIPTION	CHKD. APPD.



TUSCALOOSA CITY WALK PROJECT ALBERTA PARKWAY SECTION PHASE - 1B FIBER INFRASTRUCTURE PROJECT IT-COMM ROOM LAYOUT AND EQUIPMENT CABINET DETAILS



THE ALBERTA TECH CENTER IT ROOM #113 ROOM LAYOUT DETAILS



LEGEND

FODPU SM/TDOT 2U PROVIDED / INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	FIBER OPTIC DISTRIBUTION PANEL UNIT SINGLE-MODE 2U TDOT ENTRANCE FIBER	HCM 2U PROVIDED / INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	HORIZONTAL CABLE MANAGER 2U PT. #CM503	SP NTWK EQMT	SERVICE PROVIDER EQMT	DIGITAL SIGNAGE SYSTEM EQMT PROVIDED BY DIGITAL SIGNAGE SYSTEM CONTRACTOR	DIGITAL SIGNAGE SYSTEM EQMT	AV DISTRIBUTION SYSTEM EQMT PROVIDED BY AV DISTRIBUTION SYSTEM CONTRACTOR	AV DISTRIBUTION SYSTEM EQMT	WIRELESS CNTLR 2 INSTALLED AND INSTALLED BY WIRELESS CONTRACTOR	WIRELESS CNTLR #2	GND BAR INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	GROUND BAR PT. #GRD19
FODPU SM/MM 2U CW / ATC TIE PROVIDED / INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	FIBER OPTIC DISTRIBUTION PANEL UNIT SINGLE-MODE 2U SP / SERVICE PROVIDER	VPP 24P PROVIDED / INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	VOICE PATCH PANEL 24P PT. #DCC2488/110A5E	SECURITY CAMERA SYSTEM EQMT PROVIDED BY SECURITY / CAMERA SYSTEM CONTRACTOR	SECURITY CAMERA SYSTEM EQMT	LED LIGHTING CNTLR & MONITORING SYSTEM EQMT PROVIDED BY DIGITAL SIGNAGE SYSTEM CONTRACTOR	LED LIGHTING CNTLR & MONITORING SYSTEM EQMT	NTWK FIBER SW PROVIDED BY OTHERS / OWNERS NETWORK CONTRACTOR INSTALLED	CISCO FIBER SWITCH PT. #WS-C3850X-24S-E W/GBX MOD'S SFR	UPS UNIT PROVIDED BY OTHERS / OWNERS NETWORK CONTRACTOR INSTALLED	EATON SYSTEMS UPS UNIT	POWER STRIP 20A INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	POWER STRIP 20A PT. #PS120
FODPU SM/SP 2U PROVIDED BY SP / SERVICE PROVIDER	FIBER OPTIC DISTRIBUTION PANEL UNIT SINGLE-MODE 2U SP / SERVICE PROVIDER	DSP 48P PROVIDED / INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	DATA STATION PANEL VOICE/DATA/CAMERA/WAP AND SIGNAGE PATCH PANEL PT. #DCC4888/1105IX	KVM UNIT PROVIDED BY AV CONTRACTOR AND OTHERS / OWNERS	LOCAL MONITOR/MOUSE & KEYBOARD UNIT	ALARM / DOOR ACCESS CNTLR SYS PROVIDED AND INSTALLED BY ALARM / DOOR ACCESS CONTRACTOR	ALARM / DOOR ACCESS CNTLR SYSTEM	NTWK SERVER SW PROVIDED BY OTHERS / OWNERS NETWORK CONTRACTOR INSTALLED	CISCO COPPER SWITCH PT. #WS-C3850X-48P-E	BATTERY UNIT INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	EATON SYSTEMS BATTERY UNIT	100 PR 100 PAIR 110 BLOCK 110 BLK INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	100 PR 100 PAIR 110 BLOCK PT. #DCC 100/110EFLSK W/PT. #COH110L
FODPU SM 4U CITY WALK M1 AND M2 UNITS PROVIDED / INSTALLED BY FIBER INFRASTRUCTURE CONTRACTOR	FIBER OPTIC DISTRIBUTION PANEL UNIT SINGLE-MODE 4U CW / M1 AND M2 UNITS	NTWK ROUTER/FW INSTALLED	CISCO ROUTER					WIRELESS CNTLR 1 PROVIDED AND INSTALLED BY WIRELESS CONTRACTOR	WIRELESS CNTLR #1				

NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE: CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

FIBER INFRASTRUCTURE PROJECT CONTRACTOR NOTE

- The data concerning the Construction of the ATC / City Walk IT-Comm. Room #120, Entrance Conduits, Station Conduits, HVAC Units, and Electrical Panel, Circuits and Receptacles / Outlet and Ground Bar, Wireless Network Controller, Network FW/Router EQMT, AV System EQMT, Digital Signage System EQMT, Security Camera System EQMT, LED Lighting Control & Monitoring System, Network Data Switches (Fiber & Copper), Network Data Servers, KVM Units, UPS / Battery Units, Alarm & Door Access Control System, and the Data Storage EQMT System that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under separate contracts.
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- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure- Vendor / Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security / Camera Network and Wireless Network Vendors / Contractors.

SCALE:
NTS
DRAWING No. TD-05
SHEET No. 6 of 13

JOB NO.: TALA-201601

DESIGNED BY: TSW
DRAWN BY: JWT

CHECKED BY: TSW
DATE: 02/29/2016

DRAWING NAME: TD-05

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TERRY S. WEAVER
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TUSCALOOSA CITY WALK PROJECT ALBERTA PARKWAY SECTION PHASE-1B
Fiber / Cabling Infrastructure System and Termination Hardware
City of Tuscaloosa, Alabama

APPROVED BY:

REVISIONS:

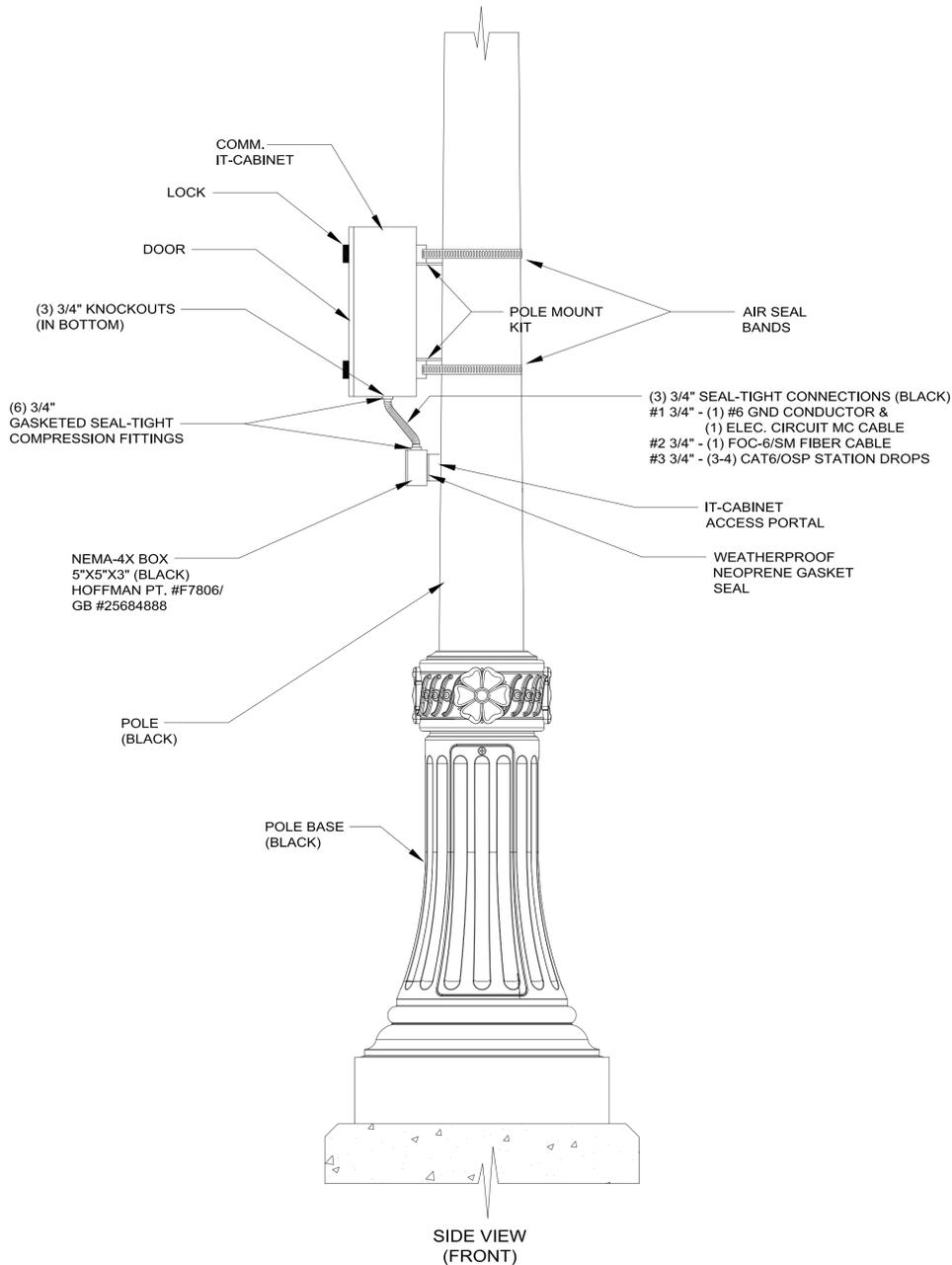
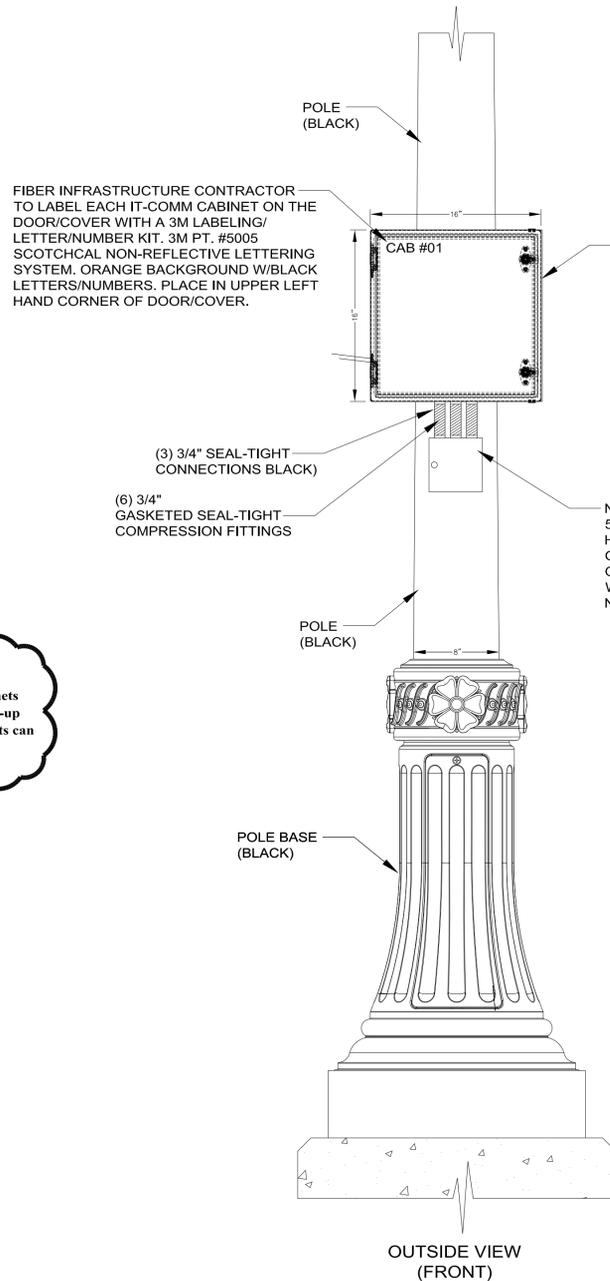
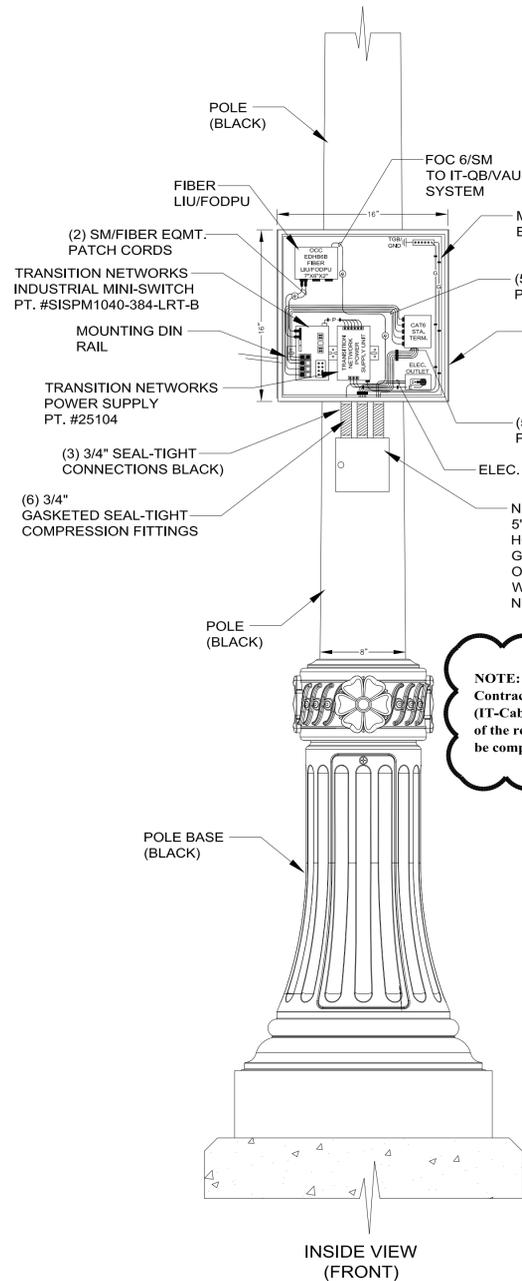
DATE	DESCRIPTION

APPROVED BY:

REVISIONS:

DATE	DESCRIPTION

**TUSCALOOSA CITY WALK PROJECT
ALBERTA PARKWAY SECTION PHASE - 1B
FIBER INFRASTRUCTURE PROJECT
IT / COMM. POLE MOUNT CABINET / BOX
TYPICAL DETAIL 16" X 16" X 8"**



NOTE:
Contractor to provide a Mock-up of (1) one of the IT-Cabinets (IT-Cabinet #1) to be reviewed and approved before the fit-up of the remaining Cabinets. Once approved, all other cabinets can be completed.

FIBER INFRASTRUCTURE CONTRACTOR TO LABEL EACH IT-COMM CABINET ON THE DOOR/COVER WITH A 3M LABELING/ LETTER/NUMBER KIT. 3M PT. #5005 SCOTCHCAL NON-REFLECTIVE LETTERING SYSTEM. ORANGE BACKGROUND W/BLACK LETTERS/NUMBERS. PLACE IN UPPER LEFT HAND CORNER OF DOOR/COVER.

IT/COMM CABINET NEMA-4 / LOCKABLE WITH (2) LOCKS AND DOOR - HINGED

NEMA-4X BOX 5"X5"X3" (BLACK) HOFFMAN PT. #7806 / GB #25684888 MOUNTED OVER IT-CABINET PORTAL W/WEATHERPROOF NEOPRENE GASKET SEAL

COMM. IT-CABINET

LOCK

DOOR

(3) 3/4" KNOCKOUTS (IN BOTTOM)

(6) 3/4" GASKETED SEAL-TIGHT COMPRESSION FITTINGS

NEMA-4X BOX 5"X5"X3" (BLACK) HOFFMAN PT. #7806/ GB #25684888

POLE (BLACK)

POLE BASE (BLACK)

(3) 3/4" SEAL-TIGHT CONNECTIONS (BLACK)
#1 3/4" - (1) #6 GND CONDUCTOR & (1) ELEC. CIRCUIT MC CABLE
#2 3/4" - (1) FOC-6/SM FIBER CABLE
#3 3/4" - (3-4) CAT6/OSP STATION DROPS

IT-CABINET ACCESS PORTAL

WEATHERPROOF NEOPRENE GASKET SEAL

AIR SEAL BANDS

POLE MOUNT KIT

NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE:
CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

FIBER INFRASTRUCTURE PROJECT CONTRACTOR NOTE:

- The data concerning the IT-Cabinet w/ all hardware, Network Data Switches and Power Supplies, Fiber Patch Cords, CAT-6 Patch Cords in the IT-Cabinet, Seal-tight conduit connections from Camera Housings / WAP Housings to the NEMA J-Boxes and the Electrical Receptacle / Outlet and Ground Bar that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under separate contracts.
- The installation of all NEMA J-Boxes, Fiber and LIU / FODPU, CAT-6 Station Cable and Termination Box, with all Mounting Hardware are the Fiber Infrastructure-Vendor / Contractor's Responsibility.
- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure-Vendor / Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security / Camera Network and Wireless Network Vendors / Contractors.

CERTIFIED ENGINEER
TERRY S. WEAVER

REGISTERED PROFESSIONAL
TERRY S. WEAVER

TALA/ Professional Services
1116 20TH STREET SOUTH, SUITE #306
BIRMINGHAM, ALABAMA 35205
PH. (205) 578-1993
WWW.TALAPRO.COM

TALA PROJECT NO. TALA-201601
REGISTRATION NO. E2-02927
REGD REGISTRATION NO. 12777
OSP REGISTRATION NO. 44106

NO.	DATE	REVISIONS	CHKD. APRD.

APPROVED BY: _____

REVISIONS:

DATE	DESCRIPTION

SCALE:
NTS

DRAWING No.
TD-06

SHEET No.
7 of 13

JOB NO:
TALA-201601

DESIGNED BY: TSW
DRAWN BY: JWT

CHECKED BY: TSW

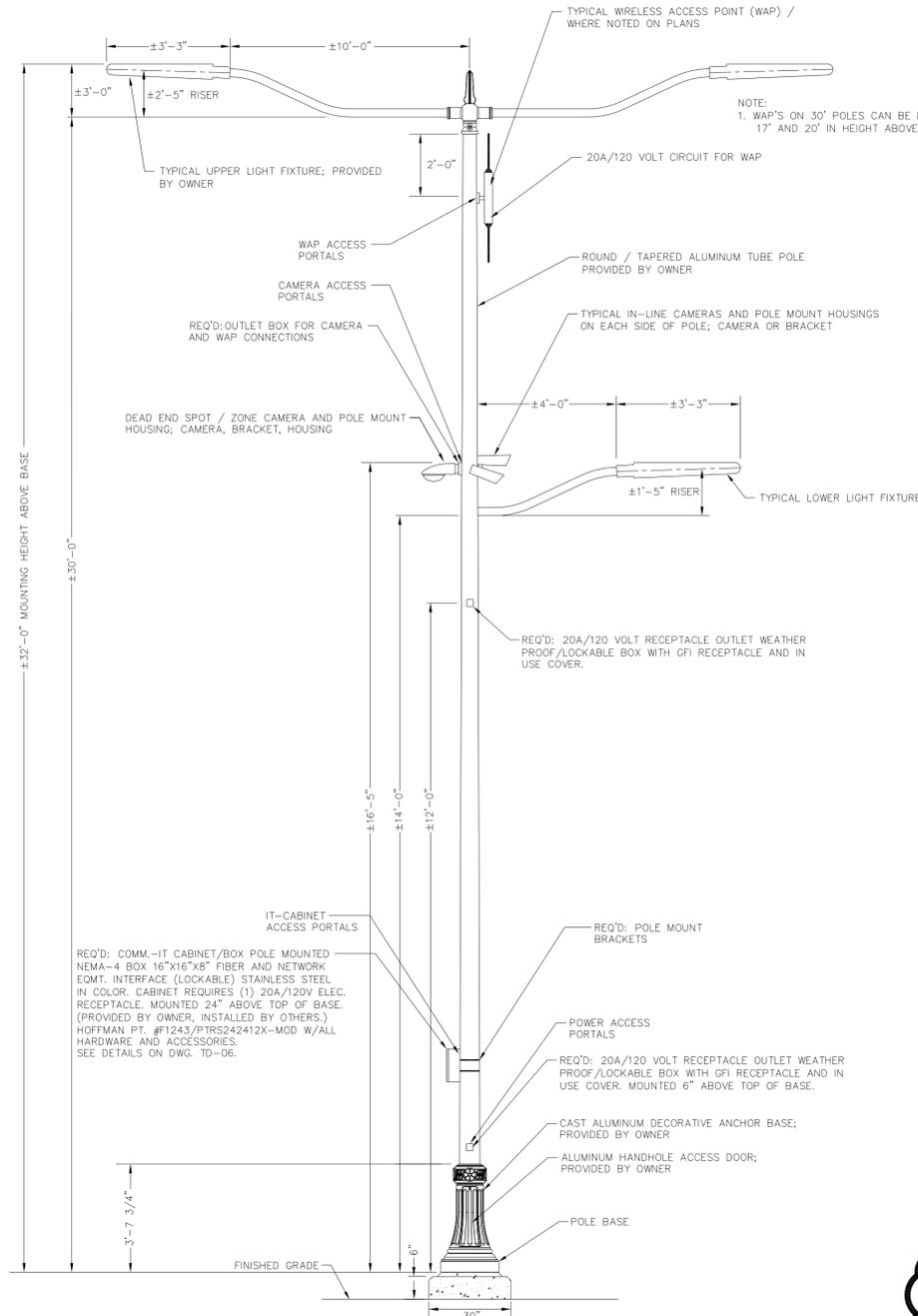
DATE: 02/29/2016

DRAWING NAME:
TD-06

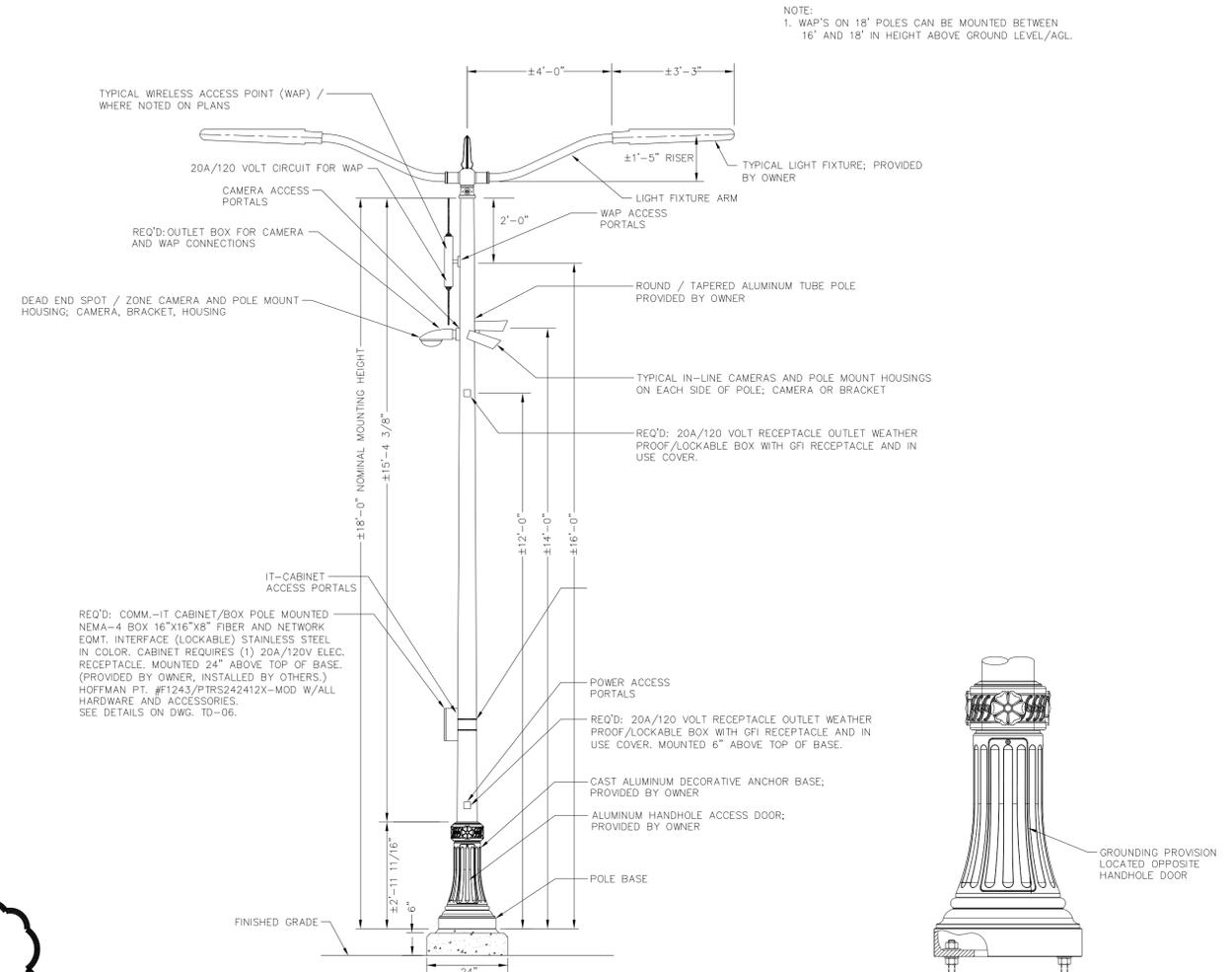
TUSCALOOSA CITY WALK PROJECT ALBERTA PARKWAY SECTION PHASE - 1B FIBER INFRASTRUCTURE PROJECT TYPICAL POLE DETAILS - "B"

NOTES:

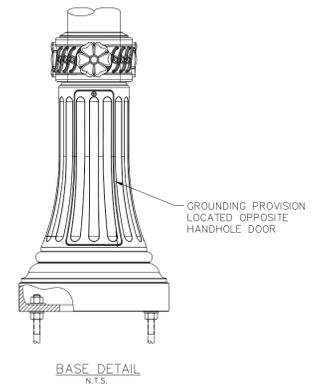
1. LIGHT POLES, LIGHT FIXTURE, LIGHT FIXTURE ARMS, ARM CASTINGS, DECORATIVE POLE BASE COVERS, ANCHOR BOLTS, AND ALL ASSOCIATED APPURTENANCES ARE SUPPLIED BY THE CITY. DETAILS AND DIAGRAMS SHOWN ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE. ALL SHALL BE INSTALLED BY THE CONTRACTOR IN THIS PROJECT.
2. POLE FOUNDATIONS DESIGNED AND INSTALLED BY OTHERS IN SEPARATE CONTRACTS



DETAIL
30' POLE (ALUMINUM, ROUND / TAPERED)
STREET / PEDESTRIAN LIGHT POLE ASSEMBLY
N.T.S.



DETAIL
18' POLE (ALUMINUM, ROUND / TAPERED)
PARKING LOT / LIGHT POLE ASSEMBLY
N.T.S.



**FIBER INFRASTRUCTURE PROJECT
CONTRACTOR NOTE:**

1. The data concerning the IT-Cabinet w/ all hardware, Network Data Switches and Power Supplies, Fiber Patch Cords, CAT-6 Patch Cords in the IT-Cabinet, Seal-tight conduit connections from Camera Housings / WAP Housings to the NEMA J-Boxes and the Electrical Receptacle / Outlet and Ground Bar that are provided on this drawing are for information purposes only.
2. The placement of all these items are being installed under separate contracts.
3. The Installation of all NEMA J-Boxes, Fiber and LIU / FODPU, CAT-6 Station Cable and Termination Box, with all Mounting Hardware are the Fiber Infrastructure-Vendor / Contractor's Responsibility.
4. All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructure-Vendor / Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security / Camera Network and Wireless Network Vendors / Contractors.

NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

**NOTE:
CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.**

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

APPROVED BY:

REVISIONS:	DATE:	DESCRIPTION:

SCALE:
NTS
DRAWING No.
TD-08
SHEET No.
9 of 13

JOB NO. TALA-201601

DESIGNED BY: TSW
DRAWN BY: JWT

CHECKED BY: TSW

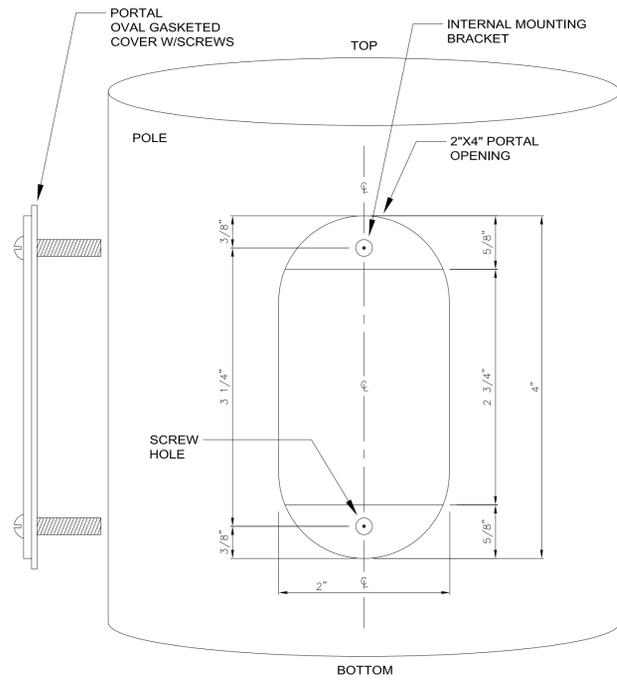
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DRAWING NAME: TD-08

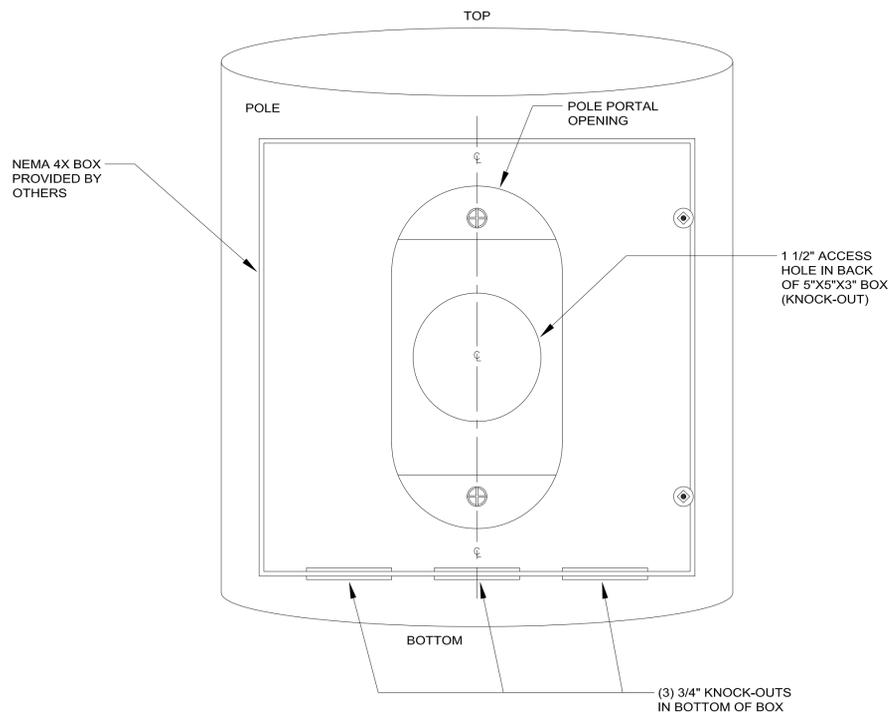
 TERRY S. WEAVER REGISTERED PROFESSIONAL ENGINEER REGISTRATION NO. 62-43927	 TERRY S. WEAVER REGISTERED PROFESSIONAL SURVEYOR REGISTRATION NO. 141086	TALA/ Professional Services 1116 20TH STREET SOUTH, SUITE #306 BIRMINGHAM, ALABAMA 35205 PH. (205) 578-1993 www.TALAPro.com	
		TALA PROJECT NO. TALA-4004 OSP SPECIALIST DESIGNER: TSW	DESIGNER: TSW DATE: _____ DESCRIPTION: _____ CHKD, APRD: _____

**TUSCALOOSA CITY WALK PROJECT
ALBERTA PARKWAY SECTION PHASE - 1B
FIBER INFRASTRUCTURE PROJECT
TYPICAL POLE PORTALS OPENING /
NEMA BOX / CAMERA / WAP DETAILS**

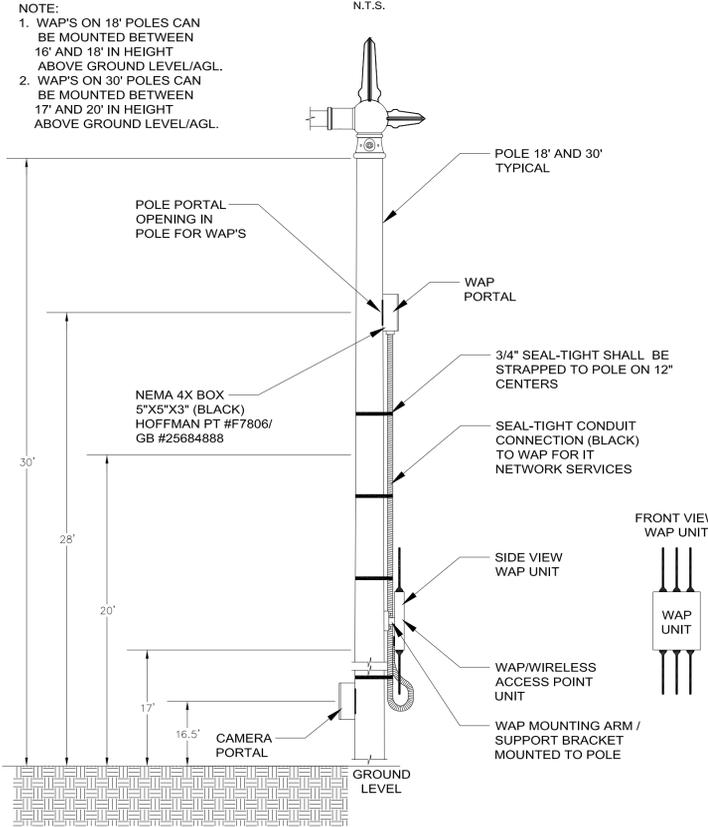
**DETAIL - "A"
PORTAL OPENING**
N.T.S.



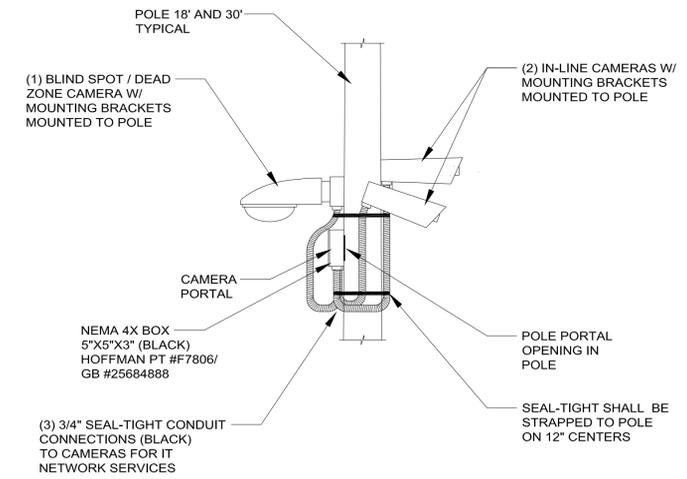
**DETAIL - "B"
NEMA 4X - 5" X 5" X 3"
(BLACK) W/GASKETED COVER**
N.T.S.



**DETAIL - "C"
NEMA 4X - 5"x5"x3" BOX W/
SEAL-TIGHT (BLACK) CONDUITS
FOR CONNECTIONS TO WAP**
N.T.S.



**DETAIL - "D"
NEMA 4X - 5"x5"x3" BOX W/
SEAL-TIGHT (BLACK) CONDUITS
FOR CONNECTIONS TO CAMERAS**
N.T.S.



NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE:
CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

FIBER INFRASTRUCTURE PROJECT

CONTRACTOR NOTE:

- The data concerning the IT-Cabinet w/ all hardware, Network Data Switches and Power Supplies, Fiber Patch Cords, CAT-6 Patch Cords in the IT-Cabinet, Seal-tight conduit connections from Camera Housings / WAP Housings to the NEMA J-Boxes and the Electrical Receptacle / Outlet and Ground Bar that are provided on this drawing are for information purposes only.
- The placement of all these items are being installed under separate contracts.
- The Installation of all NEMA J-Boxes, Fiber and LIU / FODPU, CAT-6 Station Cable and Termination Box, with all Mounting Hardware are the Fiber Infrastructure-Vendor / Contractor's Responsibility.
- All Fiber and CAT-6 Patch Cords shall be provided by the Fiber Infrastructures-Vendor / Contractor. All Patch Cords will be provided to the City of Tuscaloosa, stored in the Main IT-Comm. Center for each of the City Walk Project Sections. The installation of the Patch Cords will be completed by the Data Network, Security / Camera Network and Wireless Network Vendors / Contractors.

APPROVED BY:

REVISIONS:

DATE: DESCRIPTION

SCALE:

NTS

DRAWING No.

TD-09

SHEET No.

10 of 13

JOB NO.

TALA-201601

DESIGNED BY:

TSW

DRAWN BY:

JWT

CHECKED BY:

TSW

DATE:

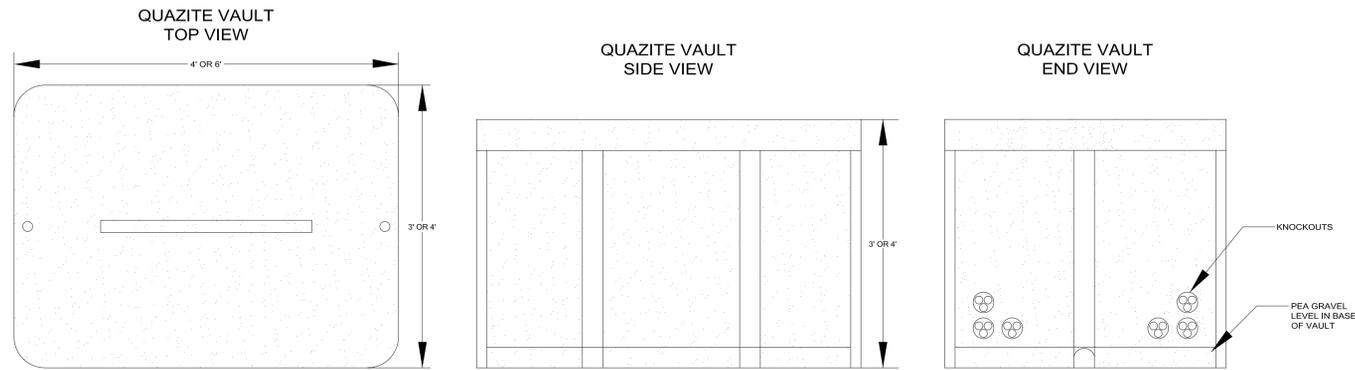
02/29/2016

DRAWING NAME:

TD-09

		TALA Professional Services 1116 20TH STREET SOUTH, SUITE #306 BIRMINGHAM, ALABAMA 35205 PH. (205) 578-1993 www.TALAPro.com	
		TALA PROJECT NO. TALA-0004 DESIGNER: TSW	REVISIONS NO. DATE DESCRIPTION CHKD. APRD.
REGISTRATION NO. E2-61927 TERRY S. WEAVER	RCDO REGISTRATION NO. 12771 OSP REGISTRATION NO. 141088 JERRY S. WEAVER		

TUSCALOOSA CITY WALK PROJECT
ALBERTA PARKWAY SECTION PHASE - 1B
FIBER INFRASTRUCTURE PROJECT
DETAIL-COMM. TYPICAL LAYOUT
QB / QUAZITE VAULT (3'X4'X3' & 4'X6'X4')

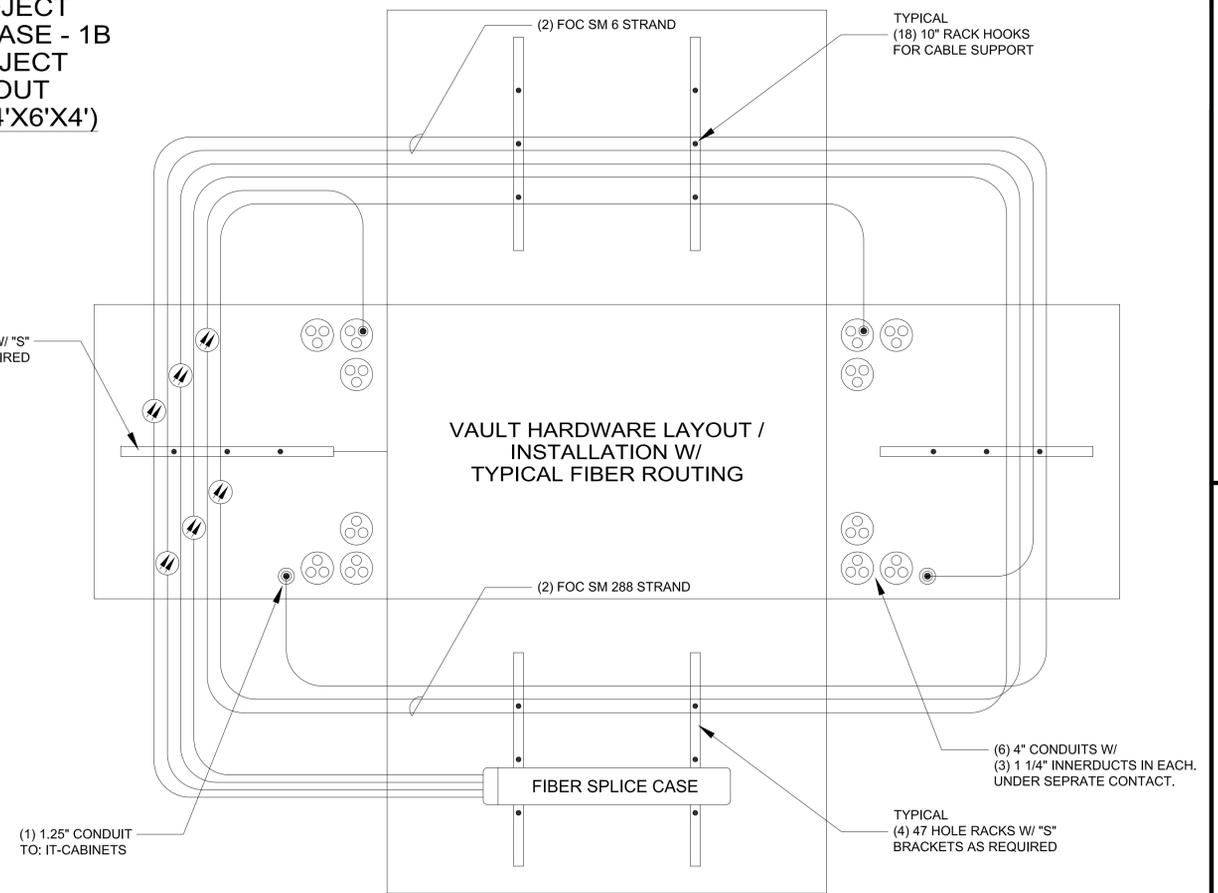


CONTRACTOR NOTE:
1. Vaults, Conduit and Innerducts are to be installed on separate contracts. This drawing is for information purposes only.
2. The installation of all standard vault hardware are the Fiber Infrastructure- Vendor/Contractor's Responsibility. The Standard Vault Hardware required for construction and utilization of the Maintenance Holes- QB/Vaults shall be provided as detailed on this drawing. This includes the racking bolt assemblies, vertical support brackets, rack hooks, etc., as indicated. Contractor to install: (4) 47 Hole Racks/ Hubbell Pk# 400551 in each vault, (2) 18 Hole Racks/ Hubbell Pk# 400550 in each vault, (16) "S" Brackets/ Hubbell Pk# 440556 in each vault and (18) 10 Rack Hooks/ Hubbell Pk# 400534 in each vault.

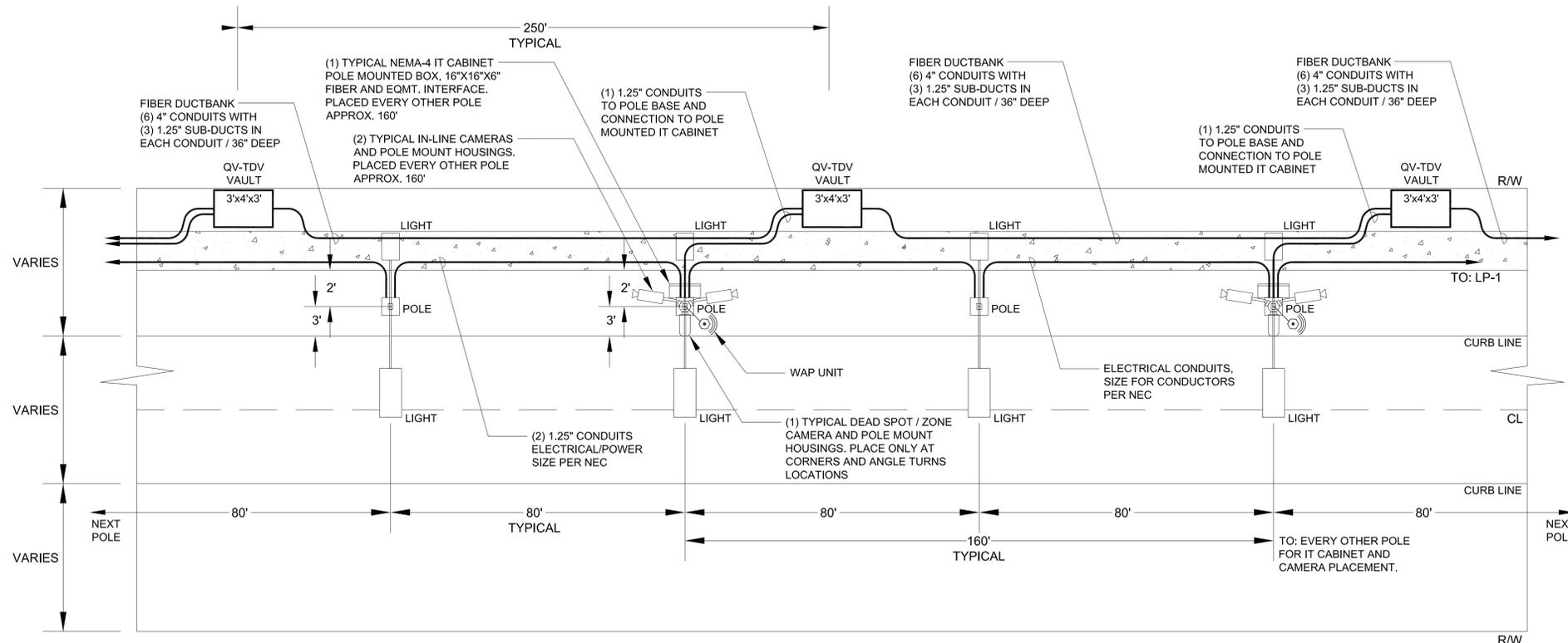
NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE:
CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.



TUSCALOOSA CITY WALK PROJECT
ALBERTA PARKWAY SECTION PHASE -1B
FIBER INFRASTRUCTURE PROJECT
TYPICAL QB / VAULT / CONDUIT /
CAMERA / WAP LAYOUT DETAIL



APPROVED BY:	
REVISIONS:	
DATE:	
DESCRIPTION:	
SCALE:	NTS
DRAWING No.	TD-10
SHEET No.	11 of 13
JOB No.	TALA-201601
DESIGNED BY:	TSW
DRAWN BY:	JWT
CHECKED BY:	TSW
DATE:	02/29/2016
DRAWING NAME:	TD-10

CERTIFIED ENGINEER
MARIE
REGISTERED PROFESSIONAL ENGINEER
REGISTRATION NO. E2-20027

REGISTERED COMMERCIAL ENGINEER
TALALA
REGISTERED COMMERCIAL ENGINEER
REGISTRATION NO. 12777
OSP REGISTRATION NO. 141002

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BIRMINGHAM, ALABAMA 35205
PH. (205) 578-1993
www.TALAPro.com

TALA PROJECT NO. TALA-0004
DESIGNER: TSW
NO. DATE DESCRIPTION CHKD. APRD.

TERRY S. WEAVER
REGISTERED PROFESSIONAL ENGINEER
REGISTRATION NO. 141002

TUSCALOOSA CITY WALK PROJECT ALBERTA PARKWAY SECTION PHASE - 1B FIBER INFRASTRUCTURE PROJECT NON-PLENUM STATION CABLING DETAILS

NOTE: THE COMMUNICATION CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION, TERMINATION & TESTING OF ALL D1/DATA1, D2/DATA2, D4/DATA4, C1/CAMERA, AND WAP STATIONS

V/W-VOICE/WALL STATION CABLE SPECS STANDARD SYSTEM (CAT6-TALA.V/W)

MODULAR JACKS FOR DATA1 OUTLETS

INDICATES: OUTLET FOR VOICE STATION. WALL OUTLET FOR DATA 1 VOICE STATION. (1) 8 PIN ASSEMBLY (CAT6/5688) EQUAL TO OCC WALLMOUNT JACK (1) PP-SEE BELOW (1) OCC PT. #M58804/1T56007 TELE. CABLE COLOR BLUE

CABLE FOR VOICE/WALL OUTLETS

1. THE FOLLOWING CABLES SHALL BE USED FOR ALL VOICE STATIONS:

NON-PLENUM AREAS:
TELE. MOHAWK CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
TELE. CABLE COLOR BLUE

2. THE CONTRACTOR SHALL IDENTIFY AND STENCIL ALL STATION CABLES AS FOLLOWS:

ALL STATION CABLES SHALL BE DESIGNATED WITH THE TYPE AND UNIQUE JACK NUMBER (SEE BELOW) NEATLY WITH AN APPROVED LABELING/IDENTIFICATION SYSTEM INDICATING LETTERS AND NUMBERS.

ALL PAY STATIONS, ELEVATORS AND SINGLE LINE STATIONS CABLED IN NON-PLENUM AREAS:
TELE. MOHAWK CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
TELE. CABLE COLOR BLUE

A. VOICE STATIONS (1) 4 PAIR VOICE: V
B. PAY STATIONS: (1) 4 PAIR VOICE: VPS
C. WALL PHONE: (1) 4 PAIR VOICE: VHS
D. ELEVATOR PHONE: (1) 4 PAIR VOICE: VES
E. HELP PHONE: (1) 4 PAIR VOICE: VHS

3. PROVIDE ONE (1) 4 PAIR VOICE, CAT6 CABLE FROM EACH OUTLET TO THE DESIGNATED COMMUNICATION BACKBOARD. CABLE SHALL BE 23 A.W.G. AND BE COLOR CODED AS FOLLOWS:
4 PAIR - WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN

TYPICAL VOICE/WALL STATION CABLING

MARK CABLE NEATLY AT BACKBOARD END WITH APPROVED LABELING SYSTEM FOR STATION IDENTIFICATION. V=VOICE STATION CABLE

NOTE: DATA JACKS TO BE PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.

TYPICAL JACK FRONT VIEW

TOP: XXX-YYY-ZZZZZZ
BOTTOM: JACK 1, JACK 2, JACK 3, JACK 4

SINGLE GANG DEVICE PLATE MOUNTED ON DOUBLE GANG OUTLET BOX WITH 5/8" SINGLE GANG ADAPTER SHEET ROCK PLATE (MOUNTED VERTICALLY)

(TO BE DONE BY COMMUNICATIONS CONTRACTOR.) LABEL FACPLATE USING APPROVED SYSTEM

NOTES: 1) CONDUIT SIZING SHALL BE AS FOLLOWS: 1 OUTLET - 1", 2 OUTLETS - 1.25", 3 OUTLETS - 1.50", 4 OUTLETS - 2" C., 5 OUTLETS - 2.5" C., 5 OUTLETS IS THE MAXIMUM FOR ANY HOMERUN.

CAT6-TALA.V/W-D1
11-07-14

D1-DATA1 STATION CABLE SPECIFICATIONS STANDARD SYSTEM (CAT6-TALA.D1)

MODULAR JACKS FOR DATA1 OUTLETS

INDICATES: OUTLET FOR DATA1 STATION. (1) 8 PIN ASSEMBLY (CAT6/5688) EQUAL TO OCC (1) PP-SEE BELOW DATA: (1) OCC PT. #M4A805 BLUE JACKS BLANKS: (1) OCC PT. #M4804-01 BLANKS/OFFICE WHITE WITH LABELS FOR DATA

CABLE FOR DATA1 STATIONS:

NON-PLENUM AREAS:
DATA(1): MOHAWK CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA CABLE COLOR BLUE

2. THE CONTRACTOR SHALL IDENTIFY AND STENCIL ALL STATION CABLES AS FOLLOWS:

ALL STATION CABLES SHALL BE DESIGNATED WITH THE TYPE AND UNIQUE JACK NUMBER (SEE BELOW) NEATLY WITH AN APPROVED LABELING/IDENTIFICATION SYSTEM INDICATING LETTERS AND NUMBERS.

3. PROVIDE ONE 4 PAIR DATA, CAT6 CABLE FROM EACH OUTLET TO THE DESIGNATED COMMUNICATION BACKBOARD. CABLE SHALL BE 23 A.W.G. AND BE COLOR CODED AS FOLLOWS:
DATA - 4 PAIR - WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN

TYPICAL DATA1 STATION CABLING

MARK CABLE NEATLY AT BACKBOARD END WITH APPROVED LABELING SYSTEM FOR STATION IDENTIFICATION. D=DATA STATION CABLE.

NOTE: DATA JACKS TO BE PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.

TYPICAL JACK FRONT VIEW

TOP: XXX-YYY-ZZZZZZ
BOTTOM: JACK 1, JACK 2, JACK 3, JACK 4

SINGLE GANG DEVICE PLATE MOUNTED ON DOUBLE GANG OUTLET BOX WITH 5/8" SINGLE GANG ADAPTER SHEET ROCK PLATE (MOUNTED VERTICALLY)

(TO BE DONE BY COMMUNICATIONS CONTRACTOR.) LABEL FACPLATE USING APPROVED SYSTEM

NOTES: 1) CONDUIT SIZING SHALL BE AS FOLLOWS: 1 OUTLET - 1", 2 OUTLETS - 1.25", 3 OUTLETS - 1.50", 4 OUTLETS - 2" C., 5 OUTLETS - 2.5" C., 5 OUTLETS IS THE MAXIMUM FOR ANY HOMERUN.

CAT6-TALA.D1
11-07-14

D2-DATA2 STATION CABLE SPECIFICATIONS STANDARD SYSTEM (CAT6-TALA.D2)

MODULAR JACKS FOR DATA1 OUTLETS

INDICATES: OUTLET FOR DATA2 STATION. (2) 8 PIN ASSEMBLY (CAT6/5688) EQUAL TO OCC (1) PP-SEE BELOW DATA: (2) OCC PT. #M4A805 BLUE JACKS BLANKS: (2) OCC PT. #M4804-01 BLANKS/OFFICE WHITE WITH LABELS FOR DATA

CABLE FOR DATA2 OUTLETS:

NON-PLENUM AREAS:
DATA(1): MOHAWK CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA(2): MOHAWK CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA CABLE COLOR BLUE

2. THE CONTRACTOR SHALL IDENTIFY AND STENCIL ALL STATION CABLES AS FOLLOWS:

ALL STATION CABLES SHALL BE DESIGNATED WITH THE TYPE AND UNIQUE JACK NUMBER (SEE BELOW) NEATLY WITH AN APPROVED LABELING/IDENTIFICATION SYSTEM INDICATING LETTERS AND NUMBERS.

3. PROVIDE TWO 4 PAIR DATA, CAT6 CABLE FROM EACH OUTLET TO THE DESIGNATED COMMUNICATION BACKBOARD. CABLE SHALL BE 23 A.W.G. AND BE COLOR CODED AS FOLLOWS:
DATA - 4 PAIR - WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN

TYPICAL DATA2 STATION CABLING

MARK CABLE NEATLY AT BACKBOARD END WITH APPROVED LABELING SYSTEM FOR STATION IDENTIFICATION. D=DATA STATION CABLE

NOTE: DATA JACKS TO BE PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.

TYPICAL JACK FRONT VIEW

TOP: XXX-YYY-ZZZZZZ
BOTTOM: JACK 1, JACK 2, JACK 3, JACK 4

SINGLE GANG DEVICE PLATE MOUNTED ON DOUBLE GANG OUTLET BOX WITH 5/8" SINGLE GANG ADAPTER SHEET ROCK PLATE (MOUNTED VERTICALLY)

(TO BE DONE BY COMMUNICATIONS CONTRACTOR.) LABEL FACPLATE USING APPROVED SYSTEM

NOTES: 1) CONDUIT SIZING SHALL BE AS FOLLOWS: 1 OUTLET - 1", 2 OUTLETS - 1.25", 3 OUTLETS - 1.50", 4 OUTLETS - 2" C., 5 OUTLETS - 2.5" C., 5 OUTLETS IS THE MAXIMUM FOR ANY HOMERUN.

CAT6-TALA.D2
11-07-14

D4-DATA4 STATION CABLE SPECIFICATIONS STANDARD SYSTEM (CAT6-TALA.D4)

MODULAR JACKS FOR DATA1 OUTLETS

INDICATES: OUTLET FOR DATA4 STATION. (4) 8 PIN ASSEMBLY (CAT6/5688) EQUAL TO OCC (1) PP-SEE BELOW DATA: (4) OCC PT. #M4A805 BLUE JACKS WITH LABELS FOR DATA

CABLE FOR DATA4 OUTLETS:

NON-PLENUM AREAS:
DATA(1): OCC CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA(2): OCC CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA(3): OCC CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA(4): OCC CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA CABLE COLOR BLUE

2. THE CONTRACTOR SHALL IDENTIFY AND STENCIL ALL STATION CABLES AS FOLLOWS:

ALL STATION CABLES SHALL BE DESIGNATED WITH THE TYPE AND UNIQUE JACK NUMBER (SEE BELOW) NEATLY WITH AN APPROVED LABELING/IDENTIFICATION SYSTEM INDICATING LETTERS AND NUMBERS.

A. DATA STATIONS (1) 4 PAIR DATA(1): D1 (1) 4 PAIR DATA(2): D2 (1) 4 PAIR DATA(3): D3 (1) 4 PAIR DATA(4): D4

3. PROVIDE FOUR 4 PAIR DATA, CAT6 CABLE FROM EACH OUTLET TO THE DESIGNATED COMMUNICATION BACKBOARD. CABLE SHALL BE 23 A.W.G. AND BE COLOR CODED AS FOLLOWS:
DATA - 4 PAIR - WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN

TYPICAL VOICE/DATA STATION CABLING

MARK CABLE NEATLY AT BACKBOARD END WITH APPROVED LABELING SYSTEM FOR STATION IDENTIFICATION. D=DATA STATION CABLE

NOTE: DATA JACKS TO BE PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.

TYPICAL JACK FRONT VIEW

TOP: XXX-YYY-ZZZZZZ
BOTTOM: JACK 1, JACK 2, JACK 3, JACK 4

SINGLE GANG DEVICE PLATE MOUNTED ON DOUBLE GANG OUTLET BOX WITH 5/8" SINGLE GANG ADAPTER SHEET ROCK PLATE (MOUNTED VERTICALLY)

(TO BE DONE BY COMMUNICATIONS CONTRACTOR.) LABEL FACPLATE USING APPROVED SYSTEM

NOTES: 1) CONDUIT SIZING SHALL BE AS FOLLOWS: 1 OUTLET - 1", 2 OUTLETS - 1.25", 3 OUTLETS - 1.50", 4 OUTLETS - 2" C., 5 OUTLETS - 2.5" C., 5 OUTLETS IS THE MAXIMUM FOR ANY HOMERUN.

CAT6-TALA.D4
11-07-14

C1/CAM & WAP-ISP-DATA1 STATION CABLE SPECIFICATIONS STANDARD SYSTEM (CAT6-TALA.C1/CAM & WAP-ISP)

MODULAR JACKS FOR DATA1 OUTLETS

INDICATES: OUTLET FOR DATA1 STATION. (1) 8 PIN ASSEMBLY (CAT6/5688) EQUAL TO OCC (1) PP-SEE BELOW DATA: (1) OCC PT. #M4A805 BLUE JACKS WITH LABELS FOR DATA

CABLE FOR DATA1 STATIONS:

NON-PLENUM AREAS:
DATA(1): MOHAWK CMR/4 PAIR STANDARD CAT6 UTP PT. #M58804/1T56007
DATA CABLE COLOR BLUE

2. THE CONTRACTOR SHALL IDENTIFY AND STENCIL ALL STATION CABLES AS FOLLOWS:

ALL STATION CABLES SHALL BE DESIGNATED WITH THE TYPE AND UNIQUE JACK NUMBER (SEE BELOW) NEATLY WITH AN APPROVED LABELING/IDENTIFICATION SYSTEM INDICATING LETTERS AND NUMBERS.

A. DATA STATIONS (1) 4 PAIR DATA(1): D1

3. PROVIDE ONE 4 PAIR DATA, CAT6 CABLE FROM EACH OUTLET TO THE DESIGNATED COMMUNICATION BACKBOARD. CABLE SHALL BE 23 A.W.G. AND BE COLOR CODED AS FOLLOWS:
DATA - 4 PAIR - WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN

TYPICAL DATA1 STATION CABLING

MARK CABLE NEATLY AT BACKBOARD END WITH APPROVED LABELING SYSTEM FOR STATION IDENTIFICATION. D=DATA STATION CABLE.

NOTE: DATA JACKS TO BE PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.

TYPICAL JACK

TOP: XXX-YYY-ZZZZZZ
BOTTOM: JACK 1, JACK 2, JACK 3, JACK 4

SINGLE GANG DEVICE PLATE MOUNTED ON DOUBLE GANG OUTLET BOX WITH 5/8" SINGLE GANG ADAPTER SHEET ROCK PLATE (MOUNTED VERTICALLY)

(TO BE DONE BY COMMUNICATIONS CONTRACTOR.) LABEL FACPLATE USING APPROVED SYSTEM

NOTE: USE (1) PORT SMB-BOX FOR ALL C1/CAM & WAP TYPE STATIONS: PT. #SMB-SMEK1-01 OFFICE WHITE

(1) PORT SMB-BOX

NOTES: 1) CONDUIT SIZING SHALL BE AS FOLLOWS: 1 OUTLET - 1", 2 OUTLETS - 1.25", 3 OUTLETS - 1.50", 4 OUTLETS - 2" C., 5 OUTLETS - 2.5" C., 5 OUTLETS IS THE MAXIMUM FOR ANY HOMERUN.

CAT6-TALA.C1/CAM&WAP-ISP
11-07-14

C1/CAM & WAP-OSP-DATA1 STATION CABLE SPECIFICATIONS STANDARD SYSTEM (CAT6-TALA.C1/CAM & WAP-OSP)

MODULAR JACKS FOR DATA1 OUTLETS

INDICATES: OUTLET FOR DATA1 STATION. (1) 8 PIN ASSEMBLY (CAT6/5688) EQUAL TO OCC (1) PP-SEE BELOW DATA: (1) OCC PT. #M4A805 BLUE JACKS WITH LABELS FOR DATA

CABLE FOR DATA1 STATIONS:

NON-PLENUM AREAS:
DATA(1): MOHAWK CMR/4 PAIR OSP CAT6 UTP PT. #M58722/1T56553
DATA CABLE COLOR BLACK

2. THE CONTRACTOR SHALL IDENTIFY AND STENCIL ALL STATION CABLES AS FOLLOWS:

ALL STATION CABLES SHALL BE DESIGNATED WITH THE TYPE AND UNIQUE JACK NUMBER (SEE BELOW) NEATLY WITH AN APPROVED LABELING/IDENTIFICATION SYSTEM INDICATING LETTERS AND NUMBERS.

A. DATA STATIONS (1) 4 PAIR DATA(1): D1

3. PROVIDE ONE 4 PAIR DATA, CAT6 CABLE FROM EACH OUTLET TO THE DESIGNATED COMMUNICATION BACKBOARD. CABLE SHALL BE 23 A.W.G. AND BE COLOR CODED AS FOLLOWS:
DATA - 4 PAIR - WHITE/BLUE, WHITE/ORANGE, WHITE/GREEN, WHITE/BROWN

TYPICAL DATA1 STATION CABLING

MARK CABLE NEATLY AT BACKBOARD END WITH APPROVED LABELING SYSTEM FOR STATION IDENTIFICATION. D=DATA STATION CABLE.

NOTE: STATION CABLES INSTALLED IN LIGHT POLES FROM IT-CABINET AT THE BASE TO NEMA 4X BOX FOR CAMERAS AND WAP'S.

NOTE: DATA JACKS TO BE PROVIDED AND INSTALLED BY COMMUNICATIONS CONTRACTOR.

TYPICAL JACK

TOP: XXX-YYY-ZZZZZZ
BOTTOM: JACK 1, JACK 2, JACK 3, JACK 4

SINGLE GANG DEVICE PLATE MOUNTED ON DOUBLE GANG OUTLET BOX WITH 5/8" SINGLE GANG ADAPTER SHEET ROCK PLATE (MOUNTED VERTICALLY)

(TO BE DONE BY COMMUNICATIONS CONTRACTOR.) LABEL FACPLATE USING APPROVED SYSTEM

NOTE: USE (1) PORT SMB-BOX FOR ALL C1/CAM & WAP TYPE STATIONS: PT. #SMB-SMEK1-01 OFFICE WHITE

(1) PORT SMB-BOX

NOTES: 1) CONDUIT SIZING SHALL BE AS FOLLOWS: 1 OUTLET - 1", 2 OUTLETS - 1.25", 3 OUTLETS - 1.50", 4 OUTLETS - 2" C., 5 OUTLETS - 2.5" C., 5 OUTLETS IS THE MAXIMUM FOR ANY HOMERUN.

CAT6-TALA.C1/CAM&WAP-OSP
11-07-14

NOTICE- CONTRACTOR ONLY BID PHASE - 1B ITEMS.

NOTE: CONTRACTOR SHALL BID ALL ITEMS ASSOCIATED WITH PHASE - 1B AT THIS TIME ONLY.

PHASE - 2 PORTION OF THIS PROJECT SHALL BE BID AT A LATER DATE.

APPROVED BY:	
DESIGNED BY:	DESCRIPTION:
DATE:	
SCALE:	
NTS	
DRAWING No.	
TD-11	
SHEET No.	
12 of 13	
JOB NO:	
TALA-201601	
DESIGNED BY:	DRAWN BY:
TSW	JWT
CHECKED BY:	
TSW	
DATE:	02/29/2016
DRAWING NAME:	TD-11

TALA Professional Services

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 www.TALAPro.com

OSP SPECIALIST
 TALA PROJECT NO. TALA-201601
 DESIGNER: TSW

REGISTRATION NO. E2-20027
 TERRY S. WEAVER

REGISTRATION NO. E2-20027
 TERRY S. WEAVER

NO.	DATE	REVISIONS	DESCRIPTION	CHKD. APRD.

