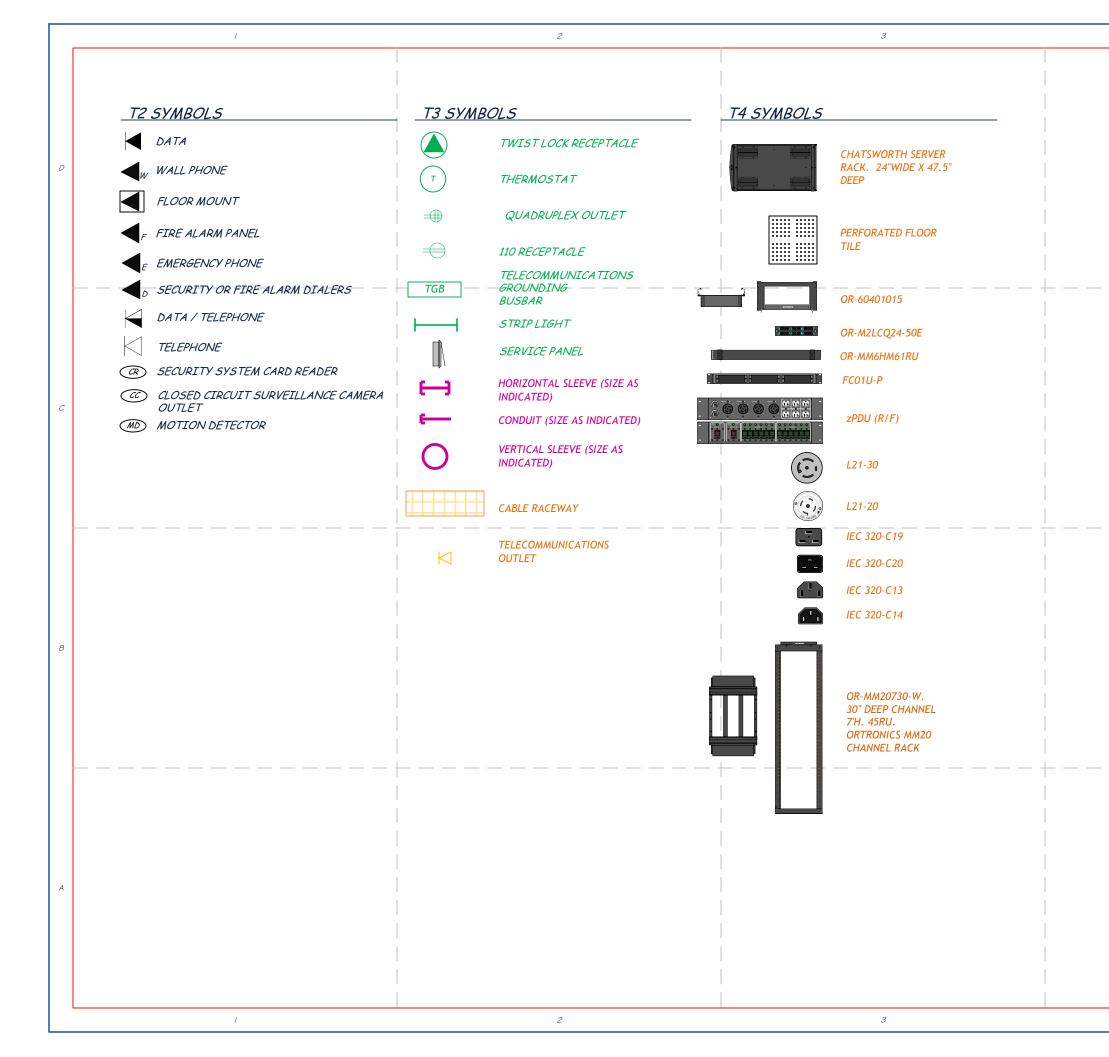
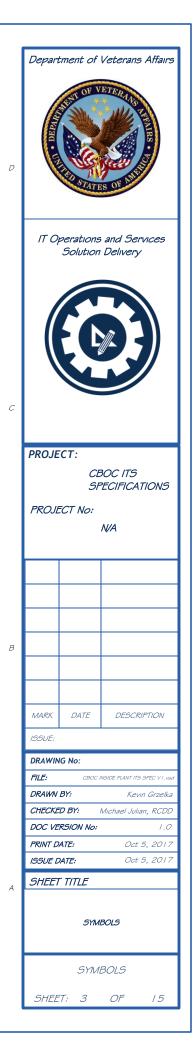


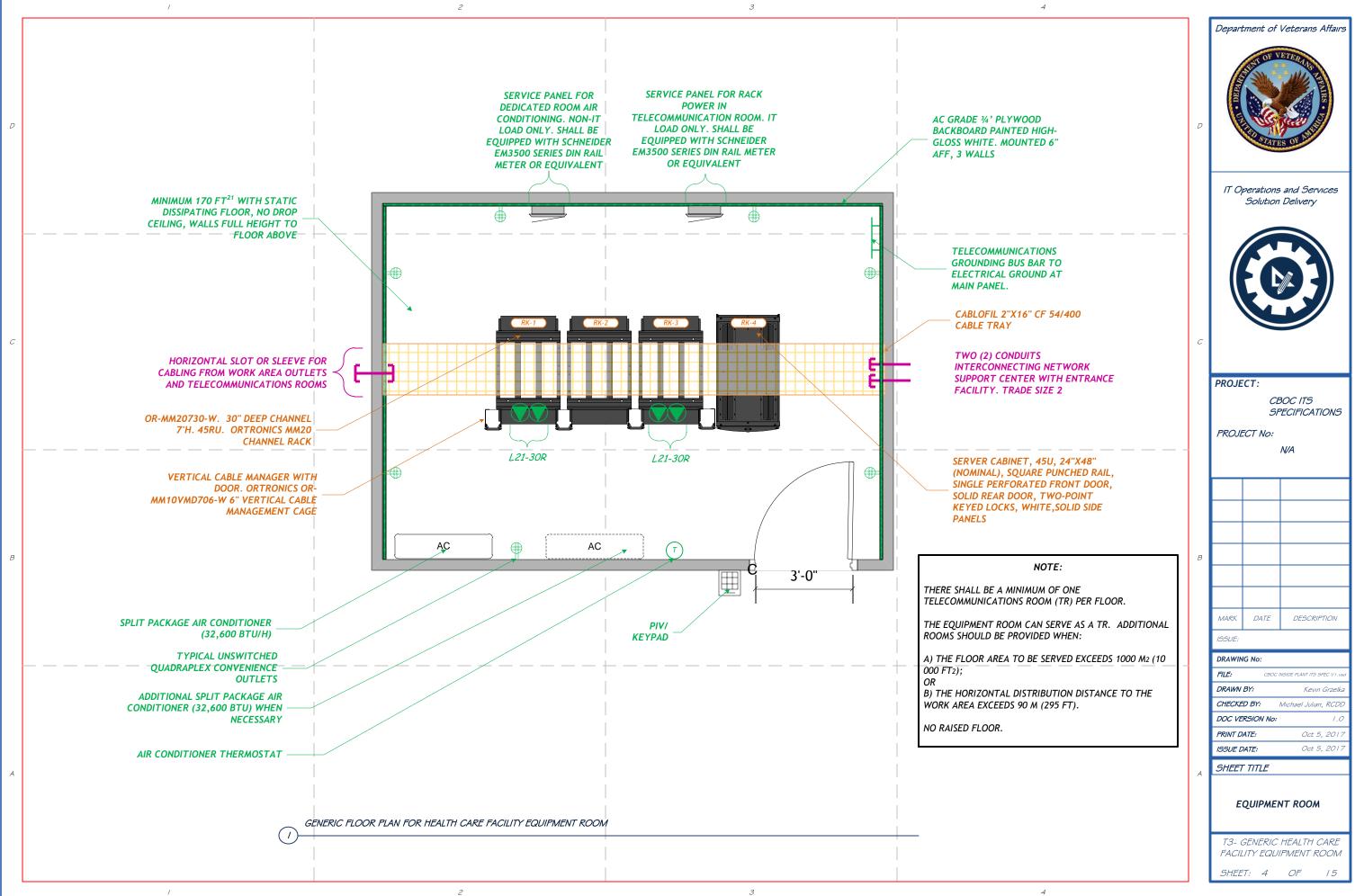
	1	2	3
		<u>FRONT</u>	MATTER
D			
	PURPOSE:		Standard or Document Description
	THIS DRAWING SET REPRESENTS THE COMP DESIGN AND RACK ELEVATIONS FOR A GENE ROOM (ER) AND A GENERIC TELECOMMUNICA	RIC HEALHCARE FACILITY EQUIPMENT	ANSI/TIA-606-C, Administration Standard for Te
	OTHERWISE, ACTIVE EQUIPMENT WILL BE F VA CONTRACTORS. THE STRUCTURED CABLIN AND INSTALL PASSIVE CABLE PLANT INFRAS CABLE MANAGERS, UTP AND FO HORIZONTAL RACKS, FIBER DISTRIBUTION CABINETS AND	URNISHED AND INSTALLED BY VA OR NG PLANT INSTALLERS WILL FURNISH STRUCTURE INCLUDING HORIZONTAL L CABLE, PATCH PANELS, PATHWAY	ANSI/TIA-606-B-1, Administration Standard for Infrastructure Addendum 1- Automated Infrastruc Systems - Addendum to ANSI/TIA-606-B
С	KACKO, TIDEK DIOTKIDOTION CADINE TO ANG		ANSI/TIA-607-C, Generic Telecommunications Bor (Earthing) for Customer Premises
	DESIGN OBJECTIVES 1. MODULARITY:THIS DESIGN IS HIGHLY M	ODULAR.	ANSI/TIA-607-C-1, Generic Telecommunications B (Earthing) for Customer Premises - Addendum to T.
	2. FLEXIBLE: THIS DESIGN IS FLEXIBLE	TO ACCOMMODATE CHANGES TO FLOOR PLANS.	ANSI/TIA-942-A, Telecommunications Infrastruc Centers
	<u> 3.CABLE PLANT:</u> UTP CATEGORY 6A CABLE PL	ANT WILL SUPPORT 10 GIGABIT ETHERNET. — —	ANSI/TIA-942-A-1, Telecommunications Infrastru Data Centers Addendum 1- Cabling Guidelines for D
	FIBER PLANT WILL UTILIZE MULTIMODE.	E LASER ENHANCED OM4 40 GBE RATED 50/125	Addendum to TIA-942-A ANSI/TIA-1179, Healthcare Facility Telecommunic
	THIS DRAWING IS SCALED TO 11X17 FORMA	17.	BICSI 002, Data Center Design and Implementation
В	DRAWING TYPE DEFINITIONS		BICSI ITSIMM, Information Technology Systems . Manual (ITSIMM) - 7th Edition
	TO - Campus or Site Plans - Exterior Pathways and Inter-Building Backbones T1 - Layout of complete building per floor - Serving Zone Boundaries, Backbone Systems, and		BICSI/NECA 568, Standard for Installing Commer Telecommunications Cabling
	Horizontal Pathways — _T2 - Serving Zones Drawings - Drop Locations of		BICSI/NECA 607 Standard for Telecommunication Grounding Planning and Installation Methods for Co
	T3 - Communication Equipment Rooms - Plan Vie Walls Elevations		CSI MASTERFORMAT ™ 2004 EDITION NUMBER Construction Specifications Institute (CSI)
	T4 - Typical Detail Drawings - Faceplate Labeli	ng, Firestopping, ADA, Safety, DOT, etc	NFPA 70, National Electrical Code
A	T5 - Schedules (Cabling and Equipment Spreads	sheets) for cutovers	NFPA 75, Standard for the Fire Protection of Info Equipment

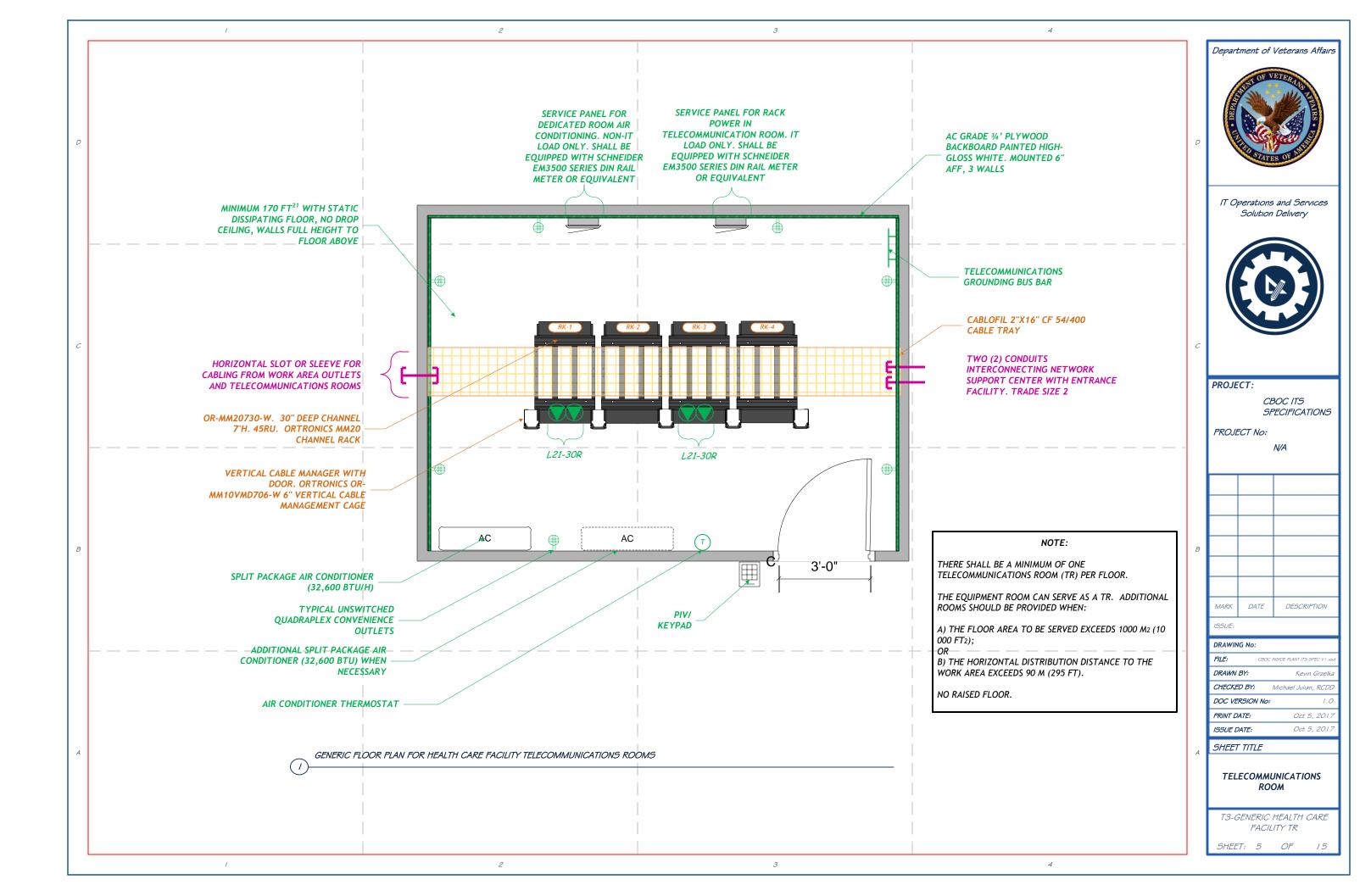
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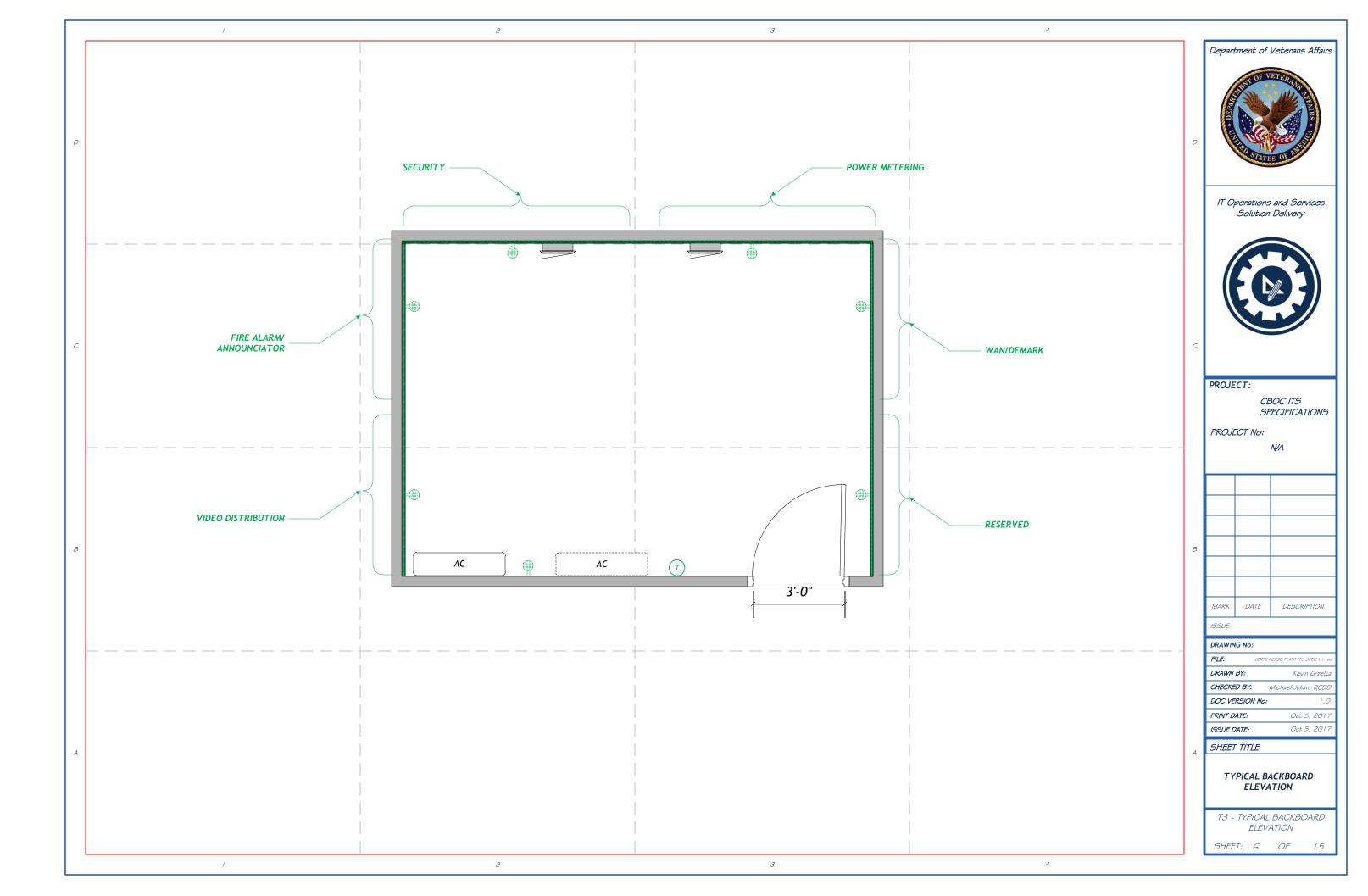


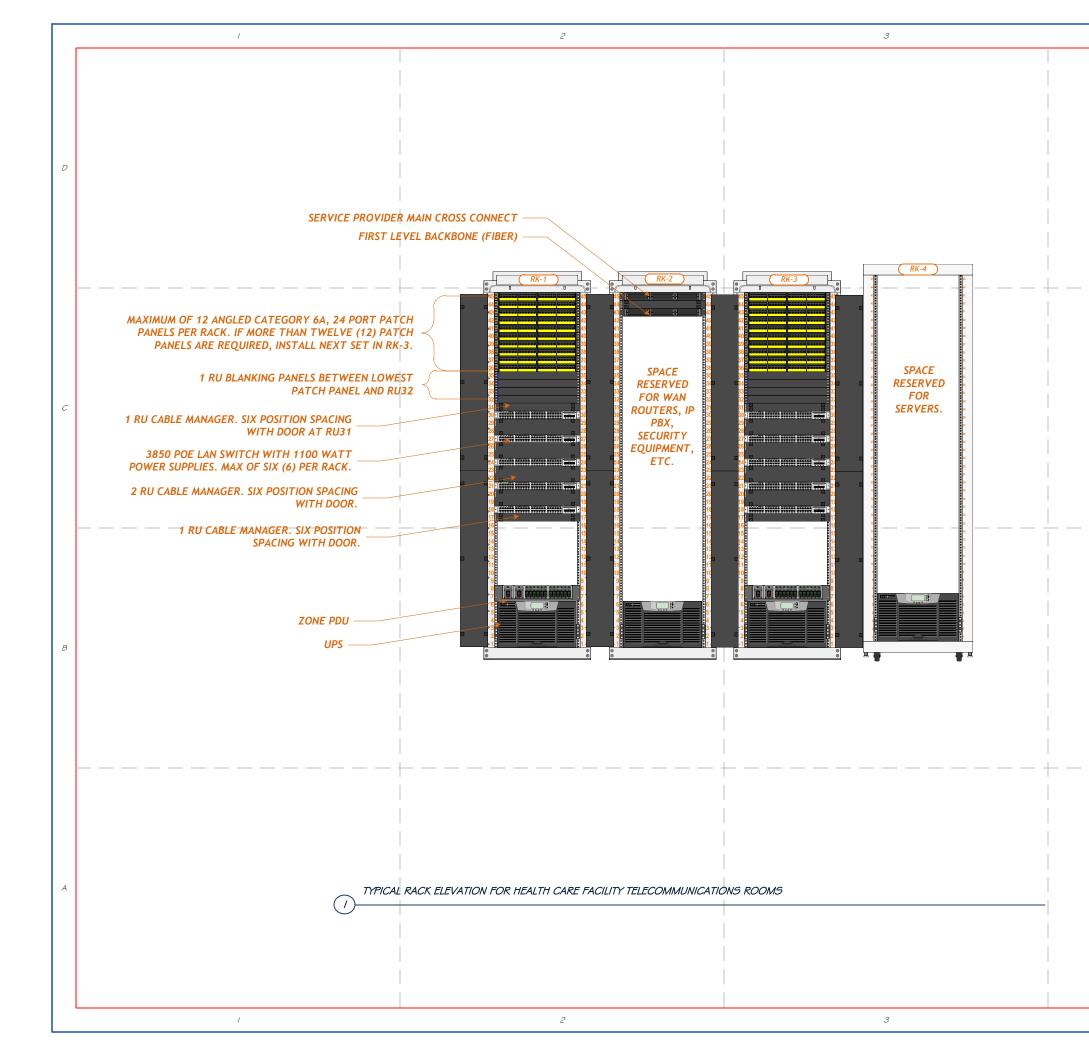


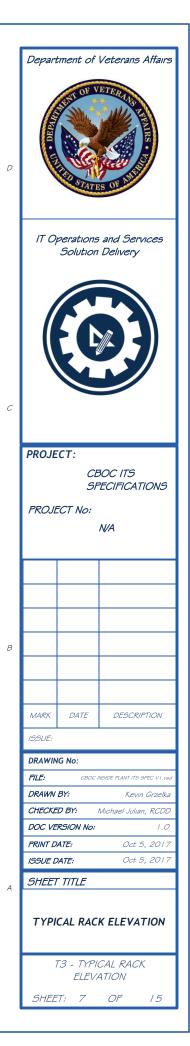


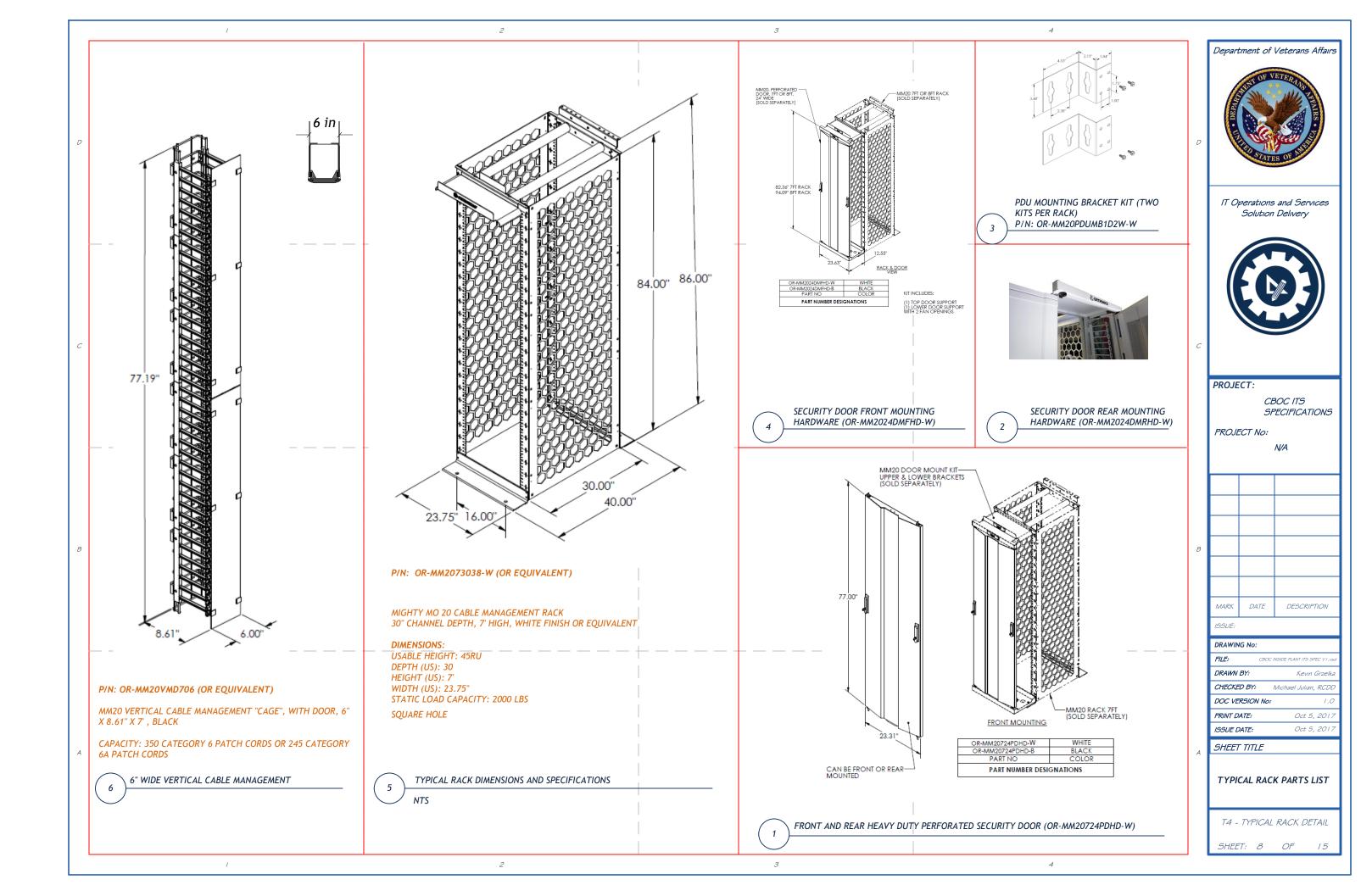


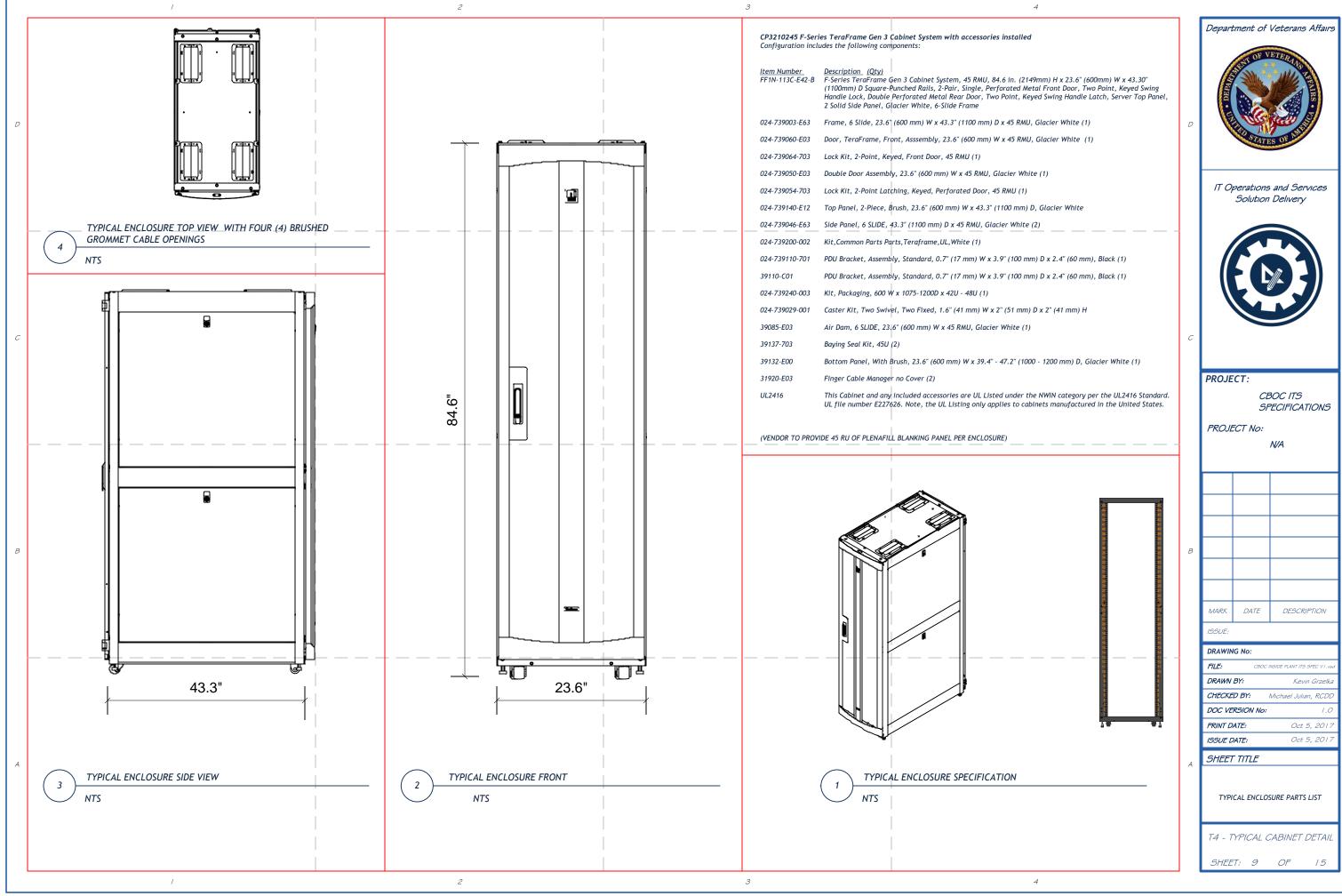


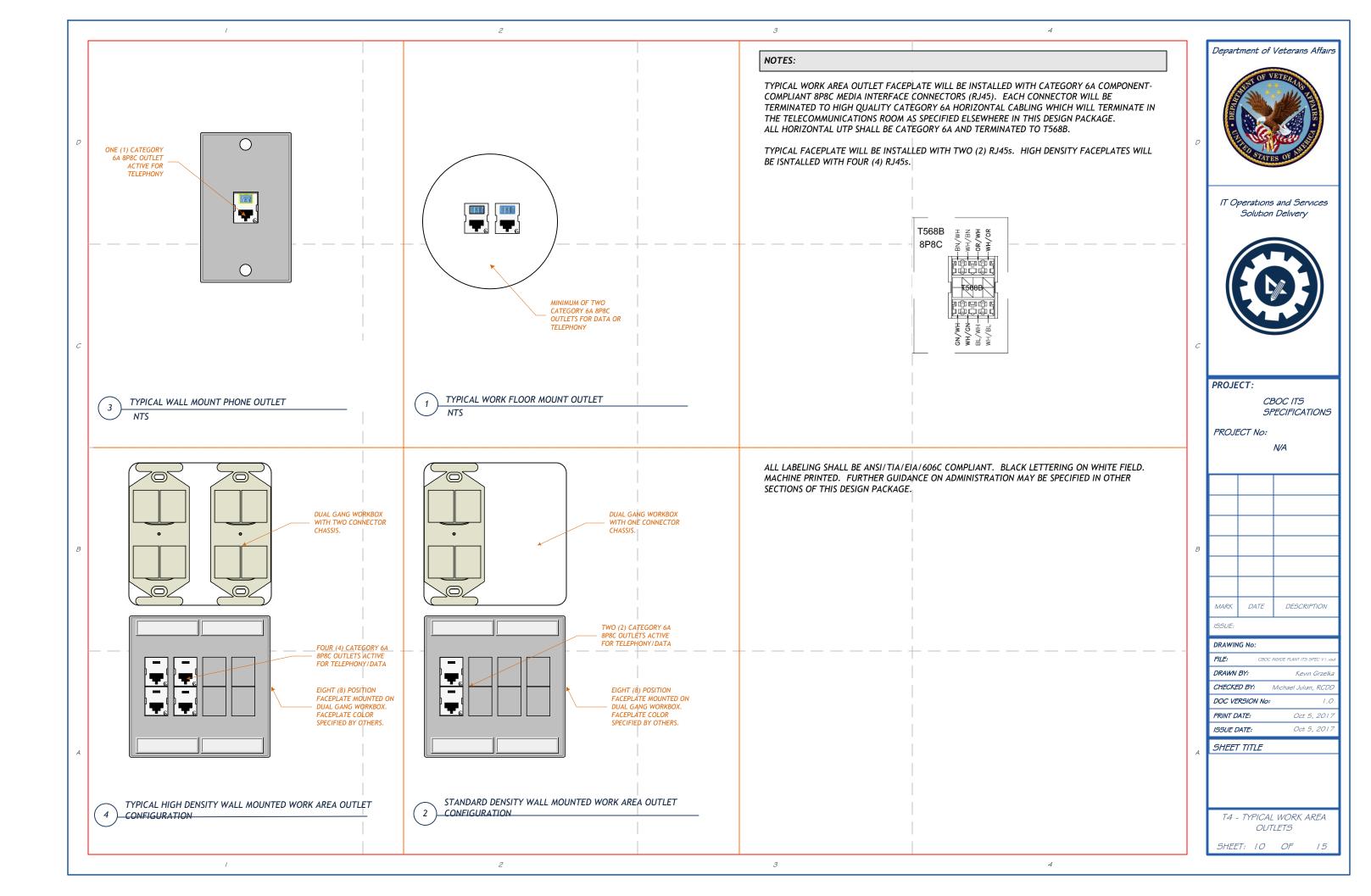


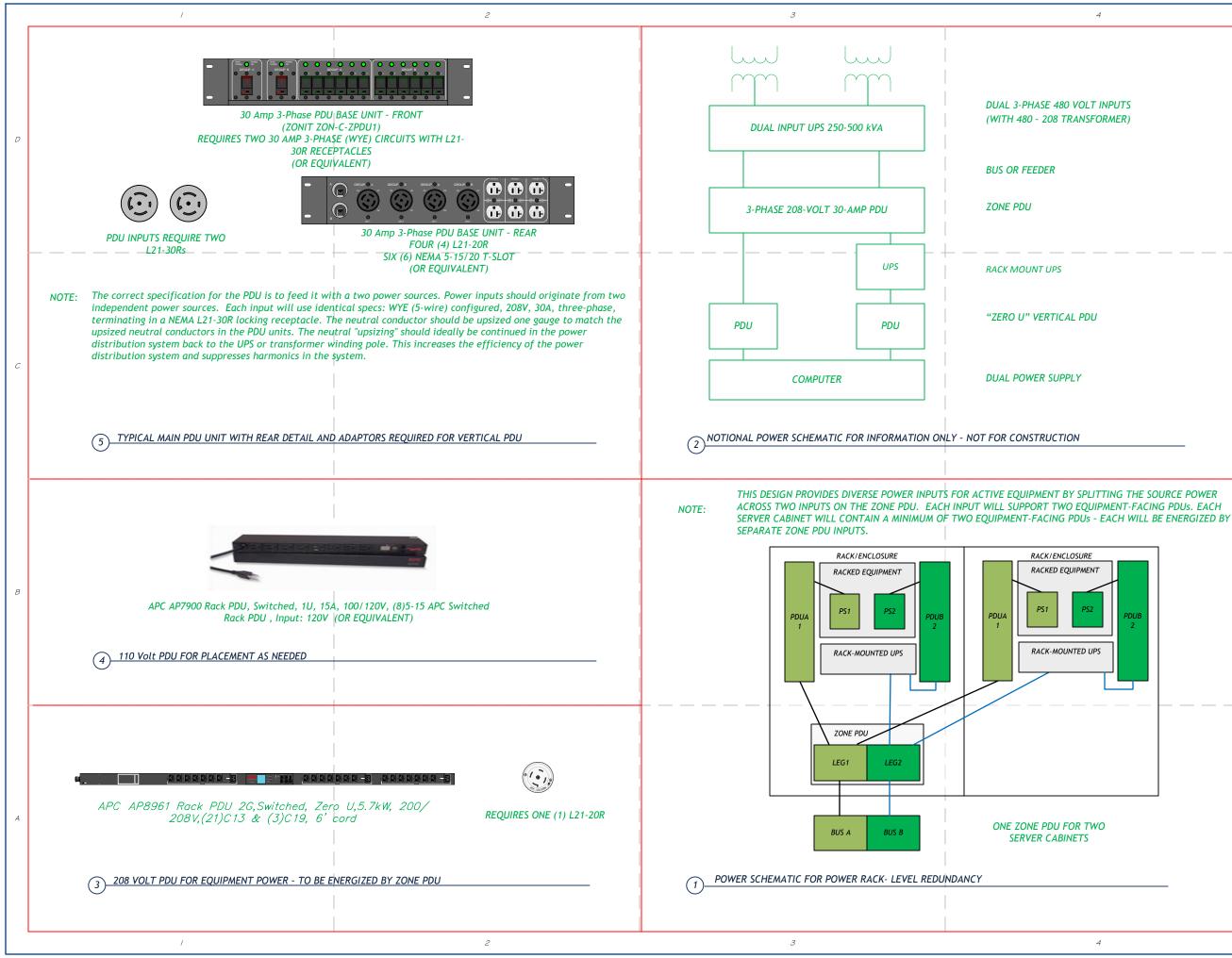




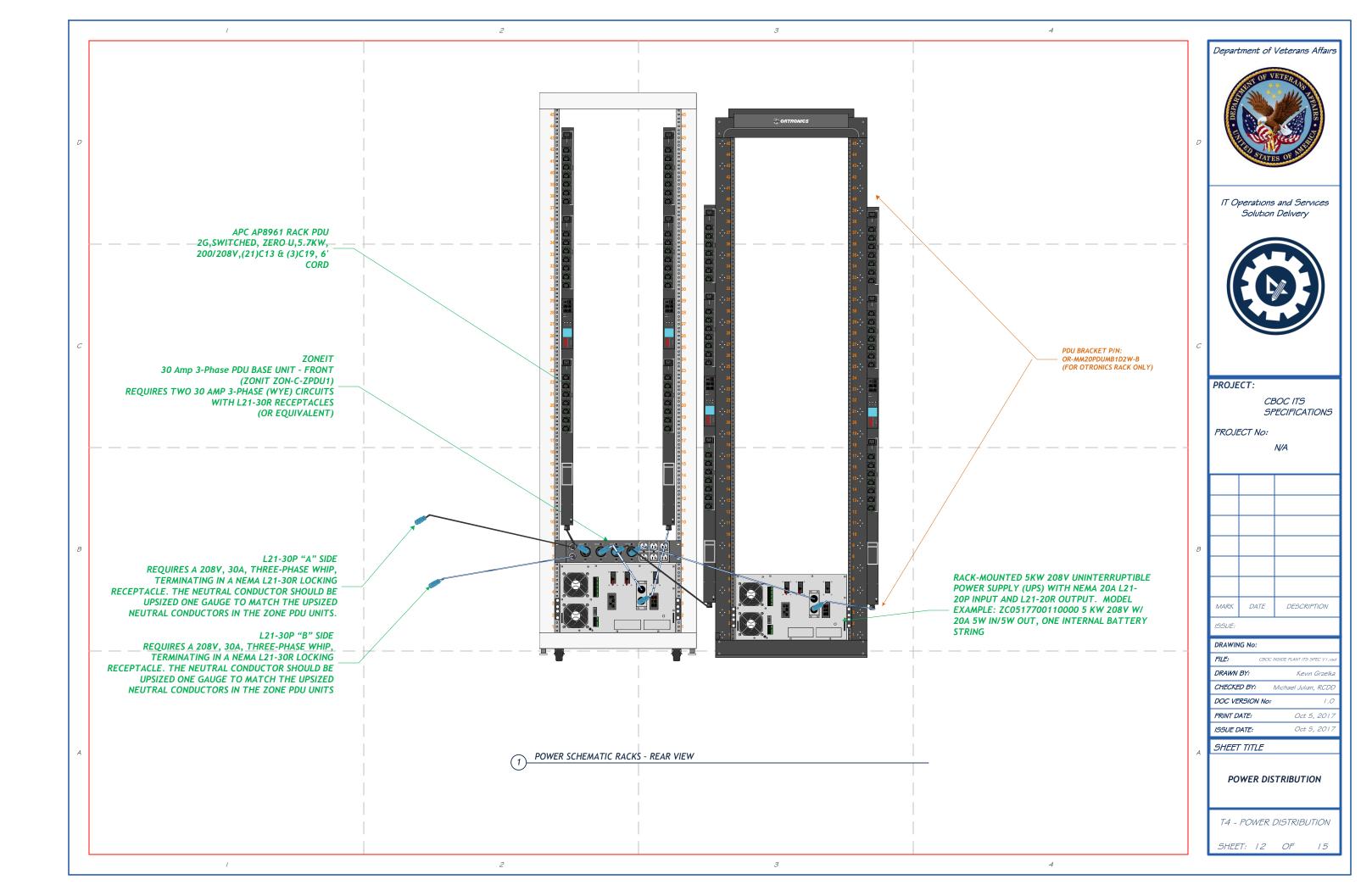


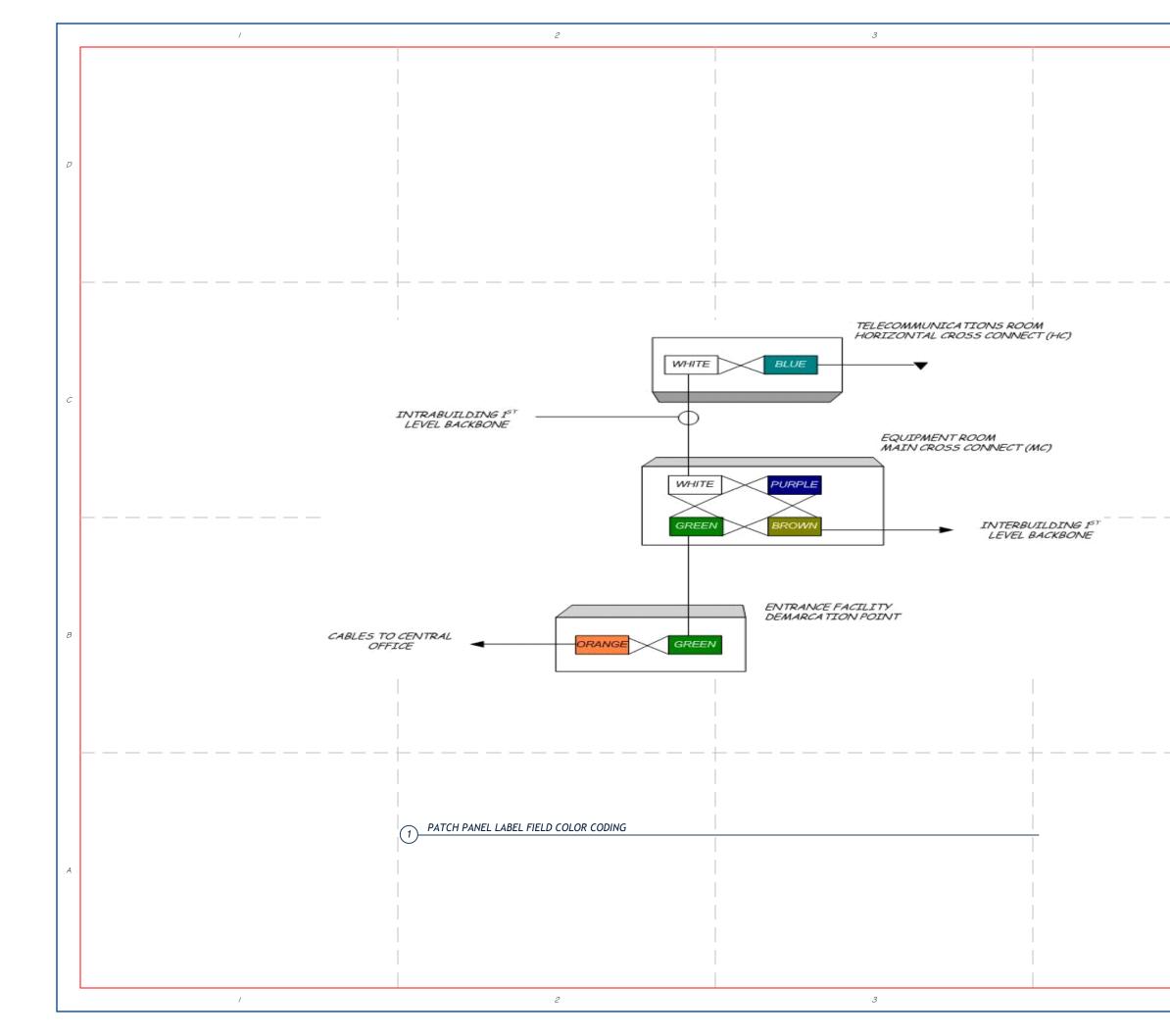


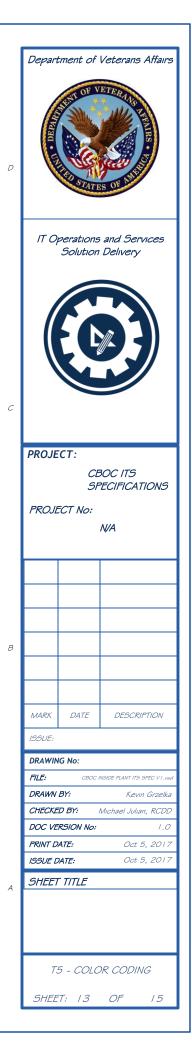




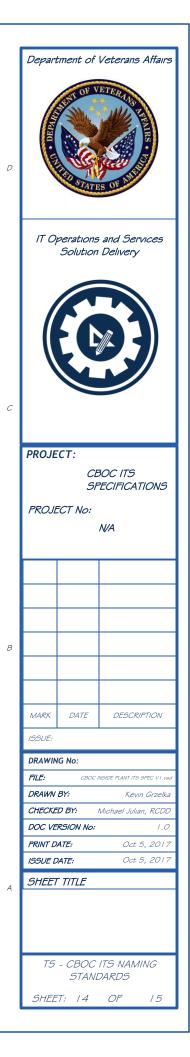
Department of Veterans Affairs DUAL 3-PHASE 480 VOLT INPUTS (WITH 480 - 208 TRANSFORMER) IT Operations and Services Solution Delivery PROJECT: CBOC ITS SPECIFICATIONS PROJECT No: N/A RACK/ENCLOSURE RACKED EQUIPMENT RACK-MOUNTED UPS DESCRIPTION MARK DATE ISSUF. DRAWING No. FILE: CBOC INSIDE PLANT ITS SPEC V DRAWN BY: Kevin Grzelk CHECKED BY: Michael Julian, RCDL DOC VERSION No: PRINT DATE: Oct 5, 2017 Oct 5, 2017 ISSUE DATE: SHEET TITLE TYPICAL POWER DISTRIBUTION T4 - TYPICAL RACK POWER DISTRIBUTION SHEET: II OF 15







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D	
	• RACK = RK1 THROUGH RK4, LABELED LEFT TO RIGHT WHEN
	LOOKING AT THE FRONT OF THE RACK. APPLIES TO RACKS AND
	CABINETS.
	• UTP PATCH PANEL = CPL-RACK NAME-01 THROUGH 45. EXAMPLE:
_	— — — — — — — — — — — — — — — — — — —
	#1.
	• UTP PATCH PANEL POSITION = PANEL ID.01 THROUGH 24.
	EXAMPLE CPL-RK1-01.01
	• FIBER DISTRIBUTION PANEL = FPL-RACK NAME-01 THROUGH 45.
	EXAMPLE: FPL-RK1-01 FOR THE PANEL IN RACK UNIT #1 RACK #1.
L	ETRED NTETOTOLITICAL CASETTE - ECC DACKNAME 01
	• FIBER DISTRIBUTION CASSETTE = FCS-RACK NAME-01 THROUGH 45.1 THROUGH 3. EXAMPLE: FCS-RK1-01.1 FOR THE
	CASSETTE IN POSITION #1 IN PANEL LOCATED IN RACK UNIT
	#1 IN RACK #1.
	• UTP PATCH CORDS = CCA[SOURCE.PORT]/[DESTINATION.PORT].
_	— — — — — — — — — — — — — — — — — — —
	CONNECTING PORT #1 IN THE COPPER PATCH PANEL LOCATED IN
	RACK #1, RACK UNIT #1 WITH PORT 2 LOCATED IN RACK 2, RACK UNIT #2.
	• FIBER PATCH CORDS = FCA[SOURCE.PORT]/
	[DESTINATION.PORT]. EXAMPLE FCA[FDP-RK1-01.01]/[FDP-RK2- 02.02.02] AS A PATCH CORD CONNECTING PORT #1 IN THE FIBER
В	PATCH PANEL LOCATED IN RACK #1, RACK UNIT #1 WITH PORT 2
	LOCATED IN RACK 2, RACK UNIT #2.
	• FACEPLATE = TR ROOM NUMBER-PATCH PANEL ID.PORT.
	EXAMPLE. 1A-CPL-RK1-01.1 FOR TELECOMMUNICATIONS ROOM 1,
	UTP PANEL IN RACK #1, RACK UNIT #1, PORT POSITION #1.
	+
	EXAMPLE INSIDE PLANT ADMINISTRATION
А	
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	1 2 3



			/	2 3	4	
						Department of Veterans Affairs
		TELECOMMUNICATIONS MEDIA AND INTERFACES SPECIFICATION				ST OF VETERALS
		ID	PRIMARY ATTRIBUTE	SECONDARY ATTRIBUTE	SPECIFICATION	
			COPPER PATCH PANELS	PERFORMANCE CATEGORY	CATEGORY 6A (10 GBE)	
D				POSITION COUNT	24 (4 SIX-PORT MODULES)	
		1		FORM FACTOR	ANGLED	STATES OF
				SIZE	ONE RACK UNIT	
				COLOR CODING	BLACK	IT Operations and Service. Solution Delivery
			FIBER DISTRIBUTION CASSETTES	CASSEITTE CAPACITY	24 STRAND (TWO 12-STRAND MULTI-FIBER PUSH ON (MPO))	
		2		CASSETTE BÁCKBONE INTERFACES	мро	
				PERFORMANCE CHARACTERISTICS	OM4 LASER ENHANCED 40 GBE 50/ 125 MULTIMODE	
				FORM FACTOR	ONE (1) RU	
с			UTP (HORIZONTAL AND FIRST LEVEL BACKBONE)	PERFORMANCE CATEGORY	CATEGORY 6A (10 GBE)	c
				PERFORMANCE SPECIFICATIONS	MEETS OR EXCEEDS TIA-EIA-568-C.2-10, TSB-155.	
		3		JACKET COLOR	BLUE (HORIZONTAL), WHITE (1 ST LEVEL BACKBONE)	PROJECT:
				SIZE	ONE RACK UNIT	CBOC ITS SPECIFICATIONS
				COLOR CODING	BLACK	PROJECT No:
			4 FIBER (HORIZONTAL AND FIRST LEVEL BACKBONE)	PERFORMANCE CATEGORY	OM4 LASER ENHANCED TO 40 GIGABIT ETHERNET (GBE	N∕A
				PERFORMANCE SPECIFICATIONS	LASER OPTIMIZED 50/125 MM FIBERS WITH EFFECTIVE MODAL BANDWIDTH OF AT LEAST 4,700 MHZ·KM AT 850 NM	
		4		MODE	MULTIMODE	
				JACKET COLOR	AQUA	
в				MEDIA CONNECTOR	PRE-TERMINATED WITH MPO, TYPE A	B
5				STRAND COUNT	12	
				BUNDLING	LOOSE TUBE	
		5	UTP PATCH CORDS	PERFORMANCE CATEGORY	CATEGORY 6A, 26-GAUGE, STRANDED	MARK DATE DESCRIPTION
				PERFORMANCE SPECIFICATIONS	CENTER TUNED TO HORIZONTAL MEDIA	ISSUE:
		5		JACKET COLOR	BLUE —	DRAWING No: FILE: CBOC INSIDE PLANT ITS SPEC VI.vsd
				TERMINATION METHOD	FACTORY PRE-TERMINATED	DRAWN BY: Kevin Grzelka
			FIBER PATCH CORDS	PERFORMANCE CATEGORY	OM4 LASER ENHANCED TO 40 GIGABIT ETHERNET (GBE	CHECKED BY: Michael Julian, RCDD DOC VERSION No: 1.0
				PERFORMANCE SPECIFICATIONS	OM4	PRINT DATE: Oct 5, 2017
		6		MODE	MULTIMODE	ISSUE DATE: Oct 5, 2017 SHEET TITLE
A				JACKET COLOR	AQUA	A
				MEDIA CONNECTOR	PRE-TERMINATED WITH DUPLEX LC	
						T5 - SPECIFICATIONS
						SHEET: 15 OF 15
			/	2 3	4	