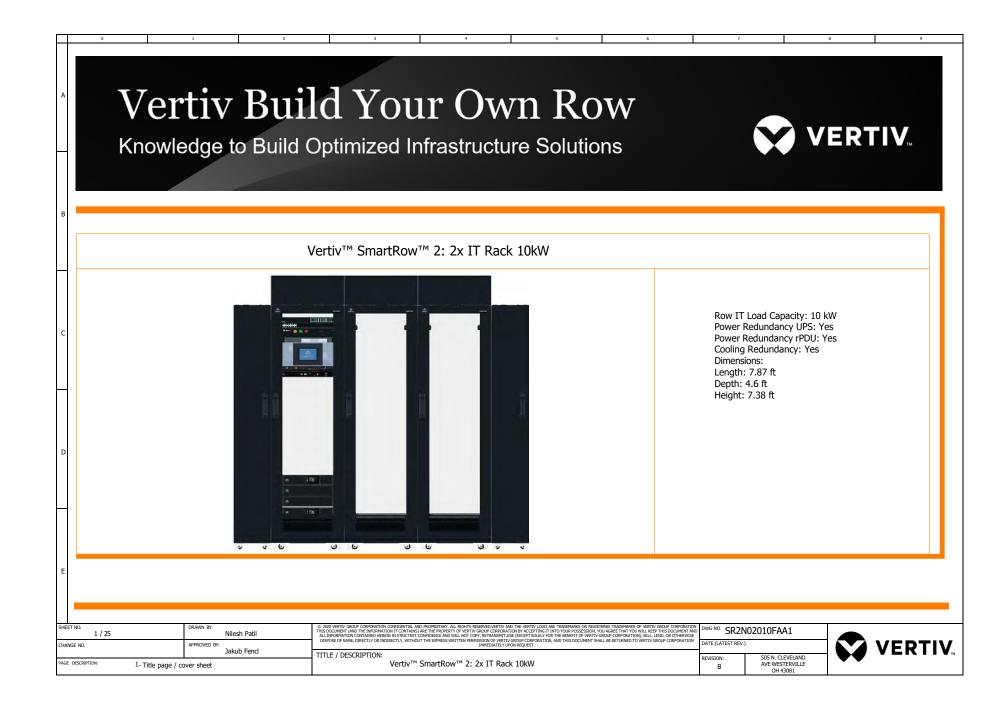
Owner: Engineering		SUBTL SR2-2xIT racks 10kW-Power and Cooling	SR2N02010FAA1	
Author: Michael Gmerek	Vertiv Co.	Redundancy	-SUBTL	
Date: 4/1/2024		SmartRow 2 Submittal	Rev B	

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			Smart	Row 2 S	ite Planr	ning D	atasheet	(208V, 3	phase, 4	wire + PE)		
Configurat Numbe		Max Row Capacity (kW)	IT Racks per Row	Capacity per Rack (kW)	Cooling Units per Row	pdu count	Main Input Breaker Size ⁶	Per Condenser Breaker Size	Per Condenser Dry Weight kg (lbs)	Row Dimensions (L x H x D) mm (in)7	Row Weight kg (Ibs)	Min. Staging Area m2 (ft2)
1	SR2N02010NAA1	10	2	5	1	2	100A	N/A ⁵	60 (132.3)	2100 (82.7) x 2271 (107) x 1400 (55.2)	1463 (3227)	14.41 (155.2)
2	SR2N02010PAA1	10	2	5	1	4	100A	N/A ⁵	60 (132.3)	2100 (82.7) x 2271 (107) x 1400 (55.2)	1491 (3288)	14.99 (161.4)
3	SR2N02010FAA1	10	2	5	2	4	100A	N/A ⁵	60 (132.3)	2400 (94.5) x 2271 (107) x 1400 (55.2)	2112 (4656)	17.67 (190.2)
4	SR2N03010NAA1	10	3	3	1	3	100A	N/A ⁵	60 (132.3)	2700 (106.3) x 2271 (107) x 1400 (55.2)	1633 (3601)	15.76 (169.7)
5	SR2N03010PAA1	10	3	3	1	6	100A	N/A ⁵	60 (132.3)	2700 (106.3) x 2271 (107) x 1400 (55.2)	1675 (3694)	16.34 (175.9)
6	SR2N03010FAA1	10	3	3	2	6	100A	N/A ⁵	60 (132.3)	3000 (118.2) x 2271 (107) x 1400 (55.2)	2296 (5061)	19.02 (204.8)
7	SR2N03020NAA1	20	3	6	1	3	175A	15A	118 (260.2)	2700 (106.3) x 2271 (107) x 1400 (55.2)	1863 (4108)	18.46 (198.8)
8	SR2N03020PAA1	20	3	6	1	6	175A	15A	118 (260.2)	2700 (106.3) x 2271 (107) x 1400 (55.2)	1905 (4201)	20.51 (220.8)
9	SR2N03020FAA1	20	3	6	2	6	175A	15A	118 (260.2)	3000 (118.2) x 2271 (107) x 1400 (55.2)	2526 (5568)	24.42 (262.9)
10	SR2N04020NAA1	20	4	5	1	4	175A	15A	118 (260.2)	3300 (130) x 2271 (107) x 1400 (55.2)	2033 (4483)	19.81 (213.3)
11	SR2N04020PAA1	20	4	5	1	8	175A	15A	118 (260.2)	3300 (130) x 2271 (107) x 1400 (55.2)	2089 (4607)	21.86 (235.3)
12	SR2N04020FAA1	20	4	5	2	8	175A	15A	118 (260.2)	3600 (141.8) x 2271 (107) x 1400 (55.2)	2710 (5974)	25.77 (277.4)
13	SR2N05020NAA1	20	5	4	1	5	175A	15A	118 (260.2)	3900 (153.6) x 2271 (107) x 1400 (55.2)	2203 (4858)	21.16 (227.8)
14	SR2N05020PAA1	20	5	4	1	10	175A	15A	118 (260.2)	3900 (153.6) x 2271 (107) x 1400 (55.2)	2273 (5012)	23.21 (249.9)
15	SR2N05020FAA1	20	5	4	2	10	175A	15A	118 (260.2)	4200 (165.4) x 2271 (107) x 1400 (55.2)	2894 (6380)	27.12 (292)
Notes: 1. System Environmental Conditions: Indoors, 41 "F to 104 "F (5 "C to 40 "C), RH to 80% with Max dew point of 82.4 "F (28 "C) 2. Floor surface must be level and continuous (expansion joints sealed, raised floor tile gaps sealed, no floor drains, etc). 3. No building sprinkler head should be within 19.7 in (0.5 m). 4. Install in accordance with national and local electrical codes 5. 10kW condenser power is sourced from the indoor unit 6. Cable Sizing: 100A = 3 AWG ; 175A = 2/0 AWG 7. Row Dimensions do not include necessary space needed for access including per ADA or local codes.												
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	=vRc	v+PMC/9.a Power Distribution														
	=vRc	ow+PMC/9.b		GXT5 10k-A												
С	=vRc	ow+PMC/9.c		GXT5 10k-B												
	=vRc	ow+PMC/9.d		Rack Transfer Switch												
	=vRc	ow+PMC/9.e		Emergency Fan Control												
	=vRc	ow+PMC/9.f		RDU501												
	=vRc	ow+PMC/9.g	PMC Logic													
	=vRc	ow+PMC/9.h	C/9.h POE Switch													
	=vRc	ow+Rack1/10		IT Rack 1												
D	=vRc	ow+Rack2/11		IT Rack 2												
	=vRc	ow+Thermal/13		Thermal CRV1 & Condenser:	ermal CRV1 & Condenser1											
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Structure identifier overview

- I		
	Full designation	Structure description
	Function designation	
	=vRow	
	+PMC	UPS, Network Switch, FC Controller, PMU
┨	+Rack1	vRack 1
	+Rack2	vRack 2
	+Thermal	Thermal Components and Condenser

Please note:

This document is intended to provide guidance to a qualified electrical installer. The installer, owner, and end user are responsible for adhering to all applicable building and electrical codes, regulations, laws, and standards, and nothing in this document is intended to conflict therewith. Vertiv is not responsible for any failure to conform therewith. In addition, nothing in this document is intended to conflict with the applicable product manuals, installation guides, or other product documentation, which documents take precedence over this design document. You are responsible for adhering to guidance in the appropriate product documentation, but for your convenience, some such documents are accessible here:

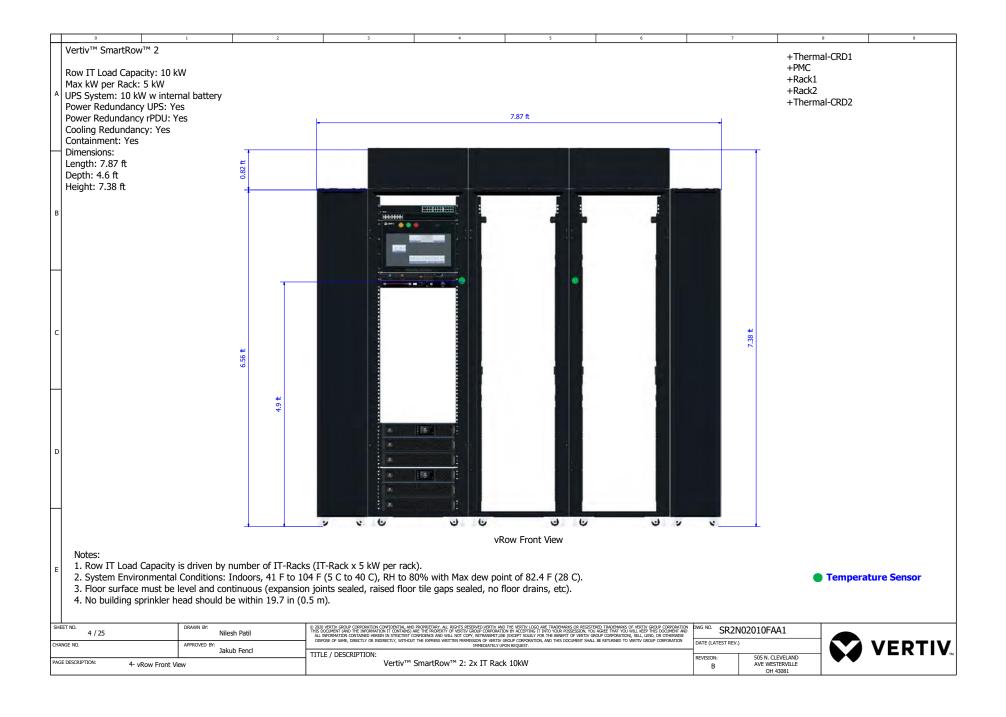


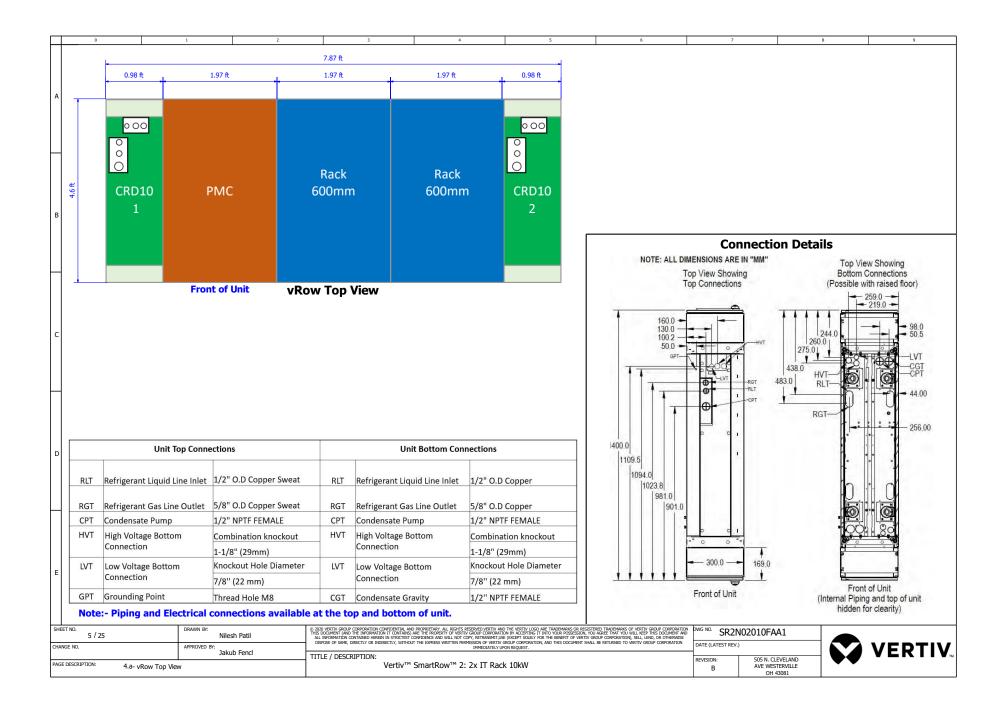
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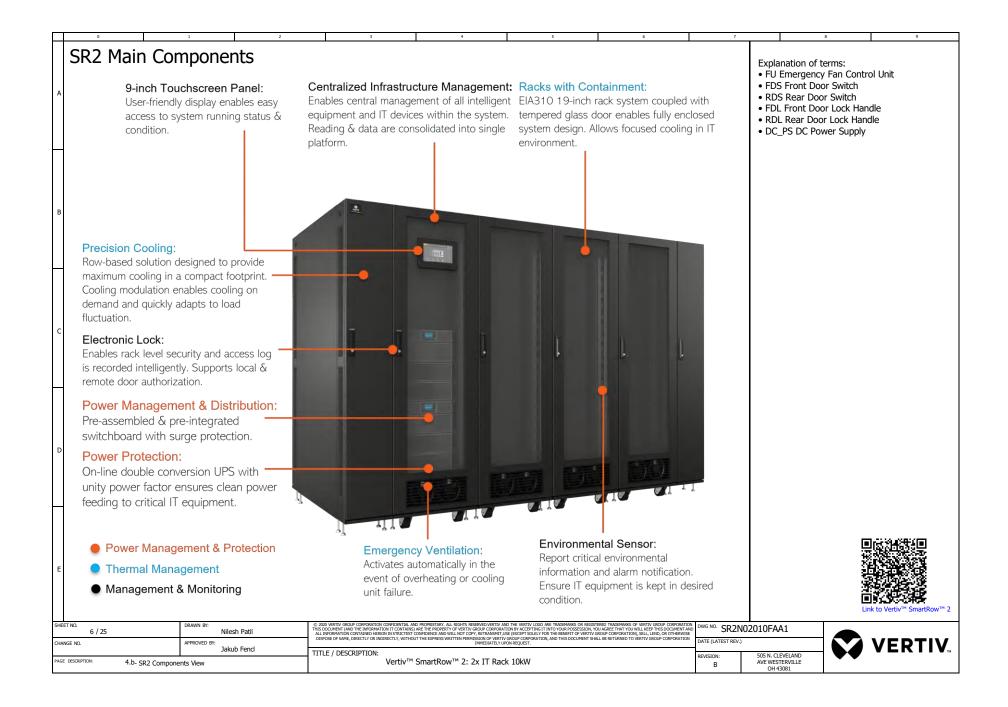
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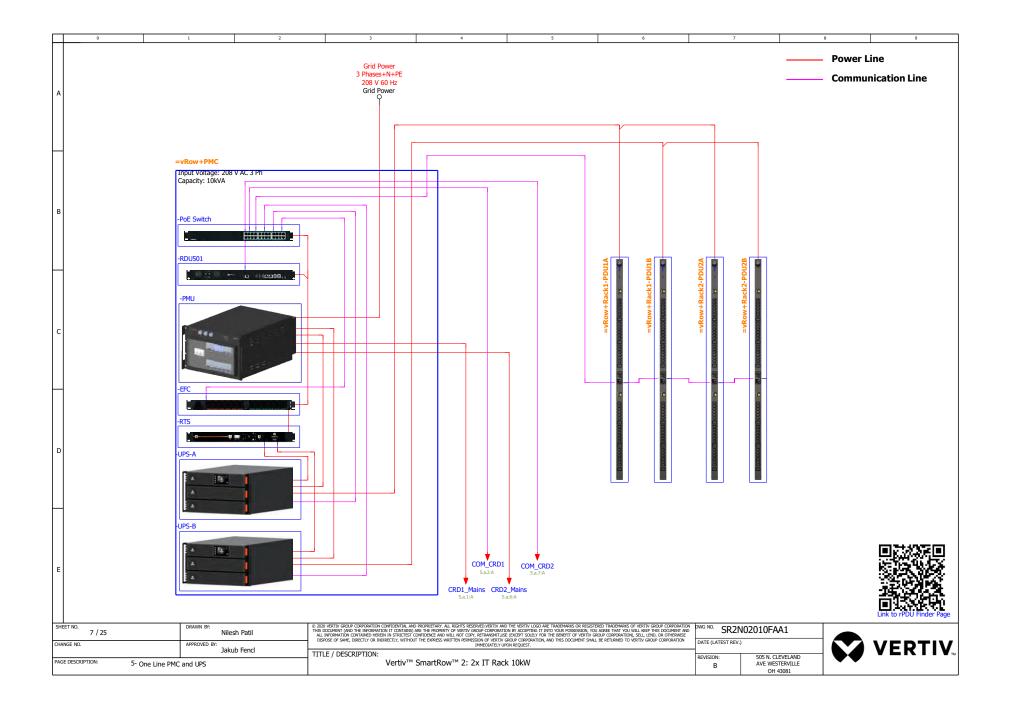
Arc flash and electric shock hazard. Failure to comply can cause serious injury or death. Before installing, connecting to supply or start operation, please review the provided Safety and Regulatory Statements. Electrical work may only be carried out by gualified personnel.

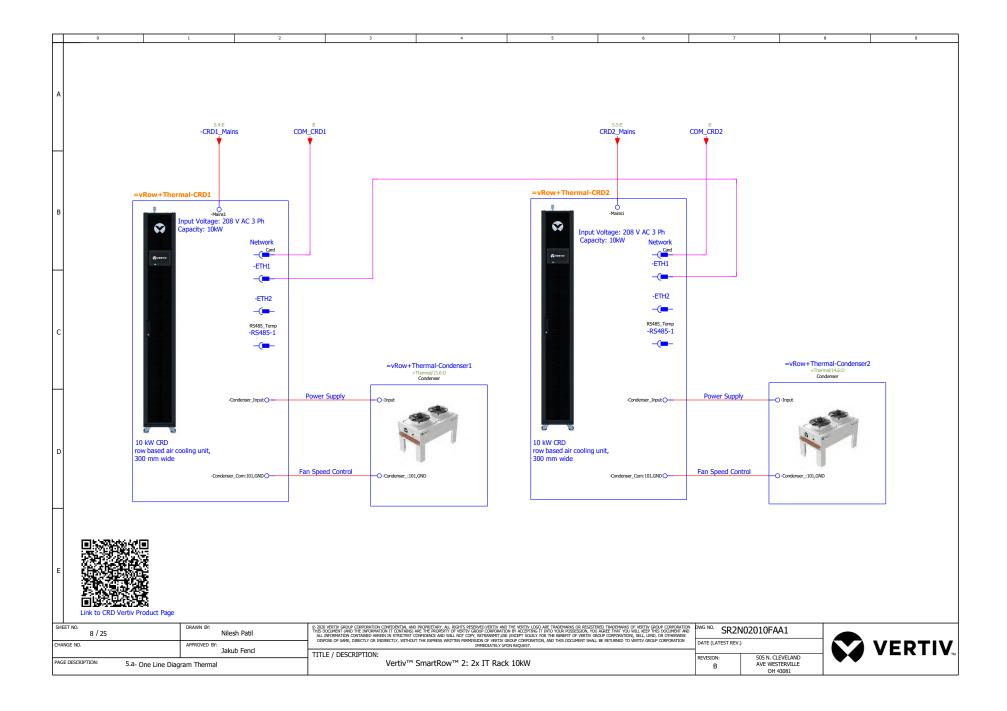
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1	VERTIV Supp	lied Cable & Parts	s list					
	Device Designation Schematic / position	Device Function		Designation		SKU Number		
	+PMC-EFC +PMC/9.e.0:A	Emergency Fan Con	trol PDU	rPDU, Switched Unit Level Monitoring EC, 30A, 208V, 4.9kW, Horizontal		VP53100		
	+PMC-PMU +PMC/9.0:A	10kW PMC		PMC,MSR2-New designed PMC for NAM (SKU TBD) - 1P = GXT5 - 20kVA Rack (600w, HMI, SmartLock x2, THD x1, LED, FC, 4G Modem), qty: 1, RDU 501 (8COM card x1)		MSR2-NP2DS2G22		
	+PMC-POE Switch +PMC/9.h.1:B	POE Switch		POE Switch for Smart Aisle or Smart Row NAM Solutions		POESwitch24Port		
	+PMC-RDU501 +PMC/9.f.0:B	RDU501 Controller		Liebert RDU501 Intelligent Infrastructure Management Solution		RDU501		
	+PMC-RTS +PMC/9.d.1:B	Rack Transfer Switch	1	rPDU, Rack Transfer Switch Basic Upgradable, 30A, 208V, 4.9kW, Horizontal (1) NEMA L6-30R, 10ft / 3m power cords with L6-30P, Black Powder Coat.		VA1N3100		
	+PMC-UPS-A +PMC/9.b.2:A	GXT5 10 kW UPS-A		UPS GXT5 10 kW 208 V 60 Hz 2 Phases 6U, optinal 1x PD2 POD		GXT5-10KMVRT6UXLN		
	+PMC-UPS-A-POD1 +PMC/9.b.5:A	POD PD2-103		Power Output Distribution 4x 5-15/20R T-Slot and 4x L6-30R	PD2-103			
	+PMC-UPS-B +PMC/9.c.2:A	GXT5 10 kW UPS-B		UPS GXT5 10 kW 208 V 60 Hz 2 Phases 6U, optinal 1x PD2 POD		GXT5-10KMVRT6L	IXLN	
	+PMC-UPS-B-POD1 +PMC/9.c.5:A	POD PD2-103		Power Output Distribution 4x 5-15/20R T-Slot and 4x L6-30R		PD2-103		
	+Rack1-PDU1A +Rack1/10.2:A	PDU for Rack 1		rPDU, Monitored Unit Level EC, 30A, 208V, 4.9kW, Vertical (36) IEC C13, (6) IEC C19, 15ft power cord with L6-30P, Black Powder Coat.		VP4N3025		
	+Rack1-PDU1B +Rack1/10.2:B	PDU for Rack1		rPDU, Monitored Unit Level EC, 30A, 208V, 4.9kW, Vertical (36) IEC C13, (6) IEC C19, 15ft power cord with L6-30P, Black Powder Coat.		VP4N3025		
	+Rack2-PDU2A +Rack2/11.2:A	PDU for Rack 2		rPDU, Monitored Unit Level EC, 30A, 208V, 4.9kW, Vertical (36) IEC C13, (6) IEC C19, 15ft power cord with L6-30P, Black Powder Coat.		VP4N3025		
	+Rack2-PDU2B +Rack2/11.2:B	PDU for Rack2		rPDU, Monitored Unit Level EC, 30A, 208V, 4.9kW, Vertical (36) IEC C13, (6) IEC C19, 15ft power cord with L6-30P, Black Powder Coat.	VP4N3025			
	+Thermal-CRD-1 +Thermal/13.0:A	Thermal Indoor Unit	1	CRD101 10kW CRV row based Air cooling unit 300 mm wide 208 V 3Ph+PE				
	+Thermal-CRD-2 +Thermal/14.0:A	Thermal Indoor Unit	2	CRD101 10kW CRV row based Air cooling unit 300 mm wide 208 V 3Ph+PE	CRD101-0D00A			
	+Thermal-Condenser1 +Thermal/13.6:D	Thermal Outdoor Un	it1	Air Cooled Condenser CCD10 for NAM CRD101 208 V 3ph				
	+Thermal-Condenser2 +Thermal/14.6:D	Thermal Outdoor Un	it2	Air Cooled Condenser CCD10 for NAM CRD101 208 V 3ph		CCD100S-00A		
	+Thermal-W4 +Thermal/13.4:C	Teaming_CRD-1/CRI)-2	Unit to Unit communication (Teamwork)		Factory Supplied		
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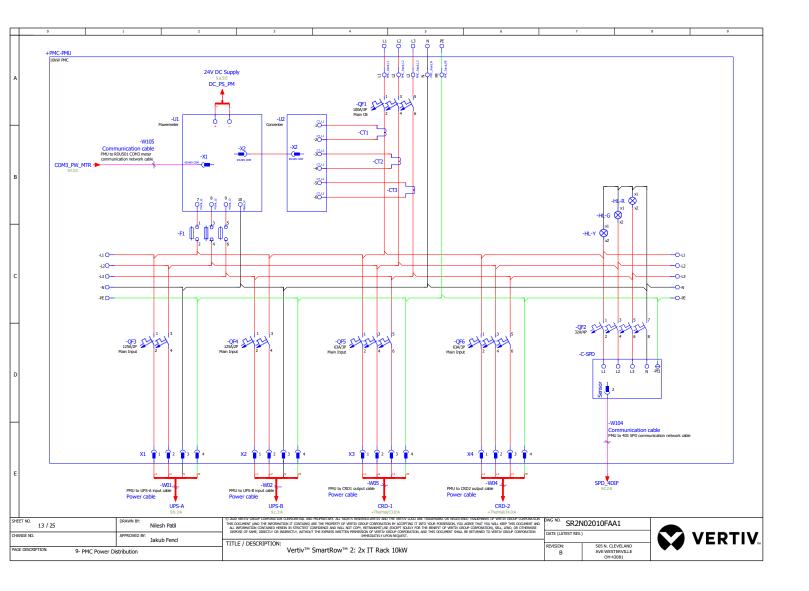
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		Customer Supp	plied	Cable & Par	ts list						•		
4		Device Designation Schematic / position		Designation					Description				
		+Thermal-WA1 +Thermal/13.4:D		Power cable between C 2 Wire + PE, 16AWG	RD to CCD				Power Cable CF	RD to CCD			
		+Thermal-WA2 +Thermal/14.4:D		Power cable between C 2 Wire + PE, 16AWG	RD to CCD				Power Cable CF	RD to CCD			
		+Thermal-WB1 +Thermal/13.4:E		Fan speed control comr CRD to CCD	nunication cable				Fan speed cont	rol communi	cation cable		
		+Thermal-WB2 +Thermal/14.4:E		Fan speed control comr CRD to CCD	nunication cable				Fan speed cont	rol communi	cation cable		
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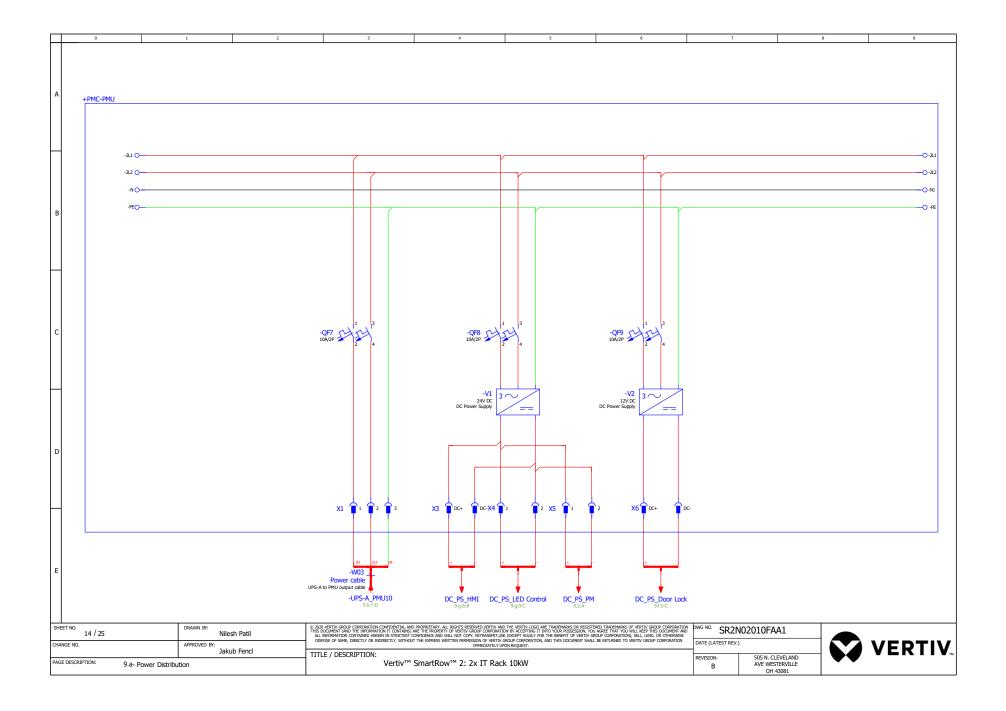
	Cable type	Function text	Device tag	Conductors	Cross-section (AWG)	Length (m
	Smart door lock cascade	RACK2 to CRD2 power cascade cable	+Rack2-W202	2	22	0.85
	CRD Teaming Cable	Teaming_CRD-1/CRD-2	+Thermal-W4	1		5
	Communication cable	PMU to 4DI SPD communication network cable	+PMC-PMU-W104	1		1.7
		PMU to RDU501 COM3 meter communication network cable	+PMC-PMU-W105	1		1.8
		PMU to RDU501 D02 Control Red Light Cable	+PMC-PMU_LED Control-W102	1		1.8
		PMU to RDU501 DO1 Strobe siren control cable	+PMC-PMU_LED Control-W103	1		
		PMC to RDU501_COM1 intelligent door lock front door com. cable	+PMC-W101	1		0.9
		4DI to RDU501 Sensor2 SPD Communication Network Cable	+PMC-W106	1		0.3
		PMC to RDU501_ COM1 intelligent door lock rear door com. cable	+PMC-W107	1		0.9
		RDU501 COM2 to HMI communication cable	+PMC-W108	1		0.8
		PMC to RDU501 to PMC cabinet THD communication cable	+PMC-W109	1		0.7
		FC to Switch communication cable	+PMC-W114	1		0.8
		PDU to Switch communication cable	+Rack1-W115	1		3.5
		PDU1A to PDU1B communication cable	+Rack1-W116	1		3
		PDU1B to PDU2A communication cable	+Rack2-W116	1		3
		CRD1 to Switch communication cable	+Thermal-W110	1		0.85
		CRD2 to Switch communication cable	+Thermal-W111	1		3.5
		Smoke1 to CRV-Door microswitch cable	+Thermal-W401	1		1
	Emergency fan to FC	PMC Emergency fan to FC controller cable	+PMC-W209	3	18	1.2
		Rack1 Emergency fan to FC controller cable	+Rack1-W208	3	18	4.5
		Rack2 Emergency fan to FC controller cable	+Rack2-W208	3	18	5.5
	Front door light cascade	PMC to Rack1 front door LED light power cable	+PMC-PMU_LED Control-W210	4	20	1
		Cascaded cable for the end RACK front door light	+Rack1-W211	4	20	0.75
	Front door microswitch cascade	PMC to RACK1 front door microswitch cascade cable	+PMC-PMU_LED Control-W212	2	20	0.75
		Cascade cable for the end RACK front door microswitch	+Rack2-W213	2	20	0.75
	Interconnection CRV/Condenser	Fan speed control	+Thermal-WB1	2	22	
		Fan speed control CCD1	+Thermal-WB2	2	22	

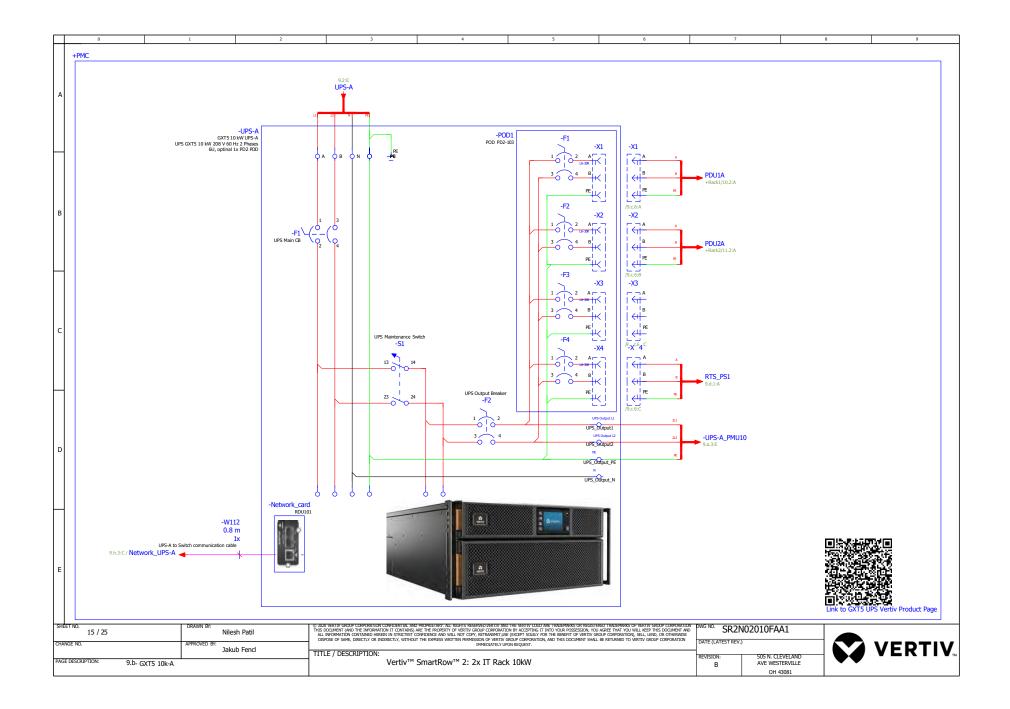


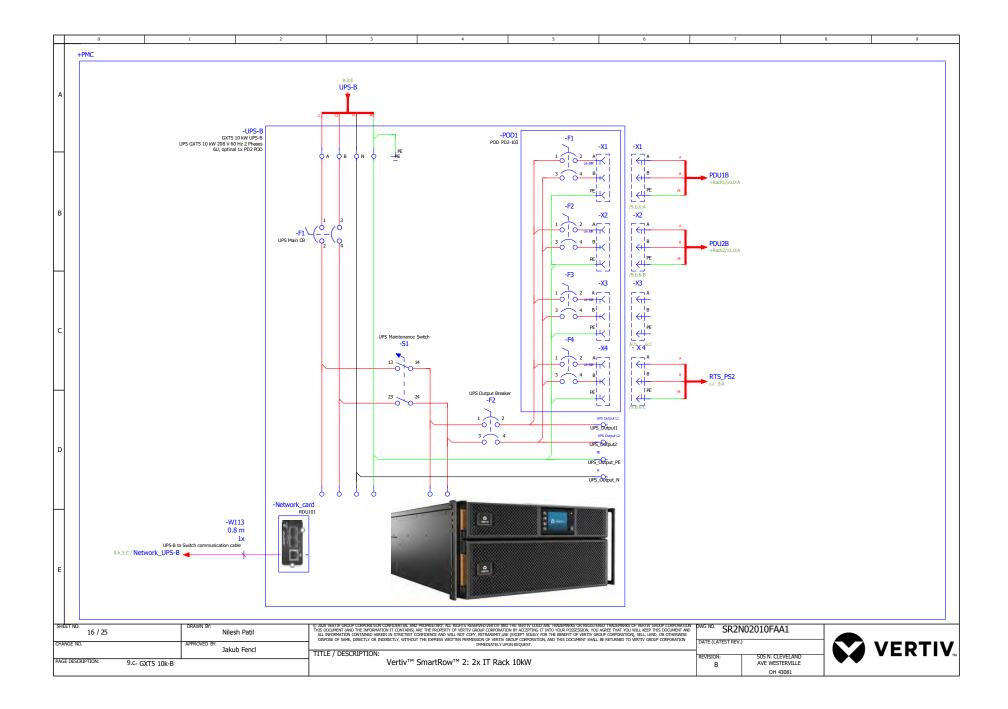
Cable type	Function text	Device tag	Conductors	Cross-section (AWG)	Length (r
Power Cable	CRD to condensor power cable	+Thermal-WA1	3	16	
Power cable	PMU to PMC rear door LED light power cable	+PMC-PMU_LED Control-W07	2	20	1.2
	PMU to PMC front door LED light power cable	+PMC-PMU_LED Control-W09	4	20	1.75
	PMU to PMC front door microswitch power cable	+PMC-PMU_LED Control-W11	2	20	1.25
	PMU to PMC rear door microswitch power cable	+PMC-PMU_LED Control-W12	2	20	1.25
	PMU to UPS-A input cable	+PMC-W01	4	6	2.4
	PMU to UPS-B input cable	+PMC-W02	4	6	2.4
	UPS-A to PMU output cable	+PMC-W03	3	20	0.8
	PMU to CRD2 output cable	+PMC-W04	4	12	3.6
	PMU to CRD1 output cable	+PMC-W05	4	12	1.5
	PMU to PMC intelligent door lock power cable	+PMC-W06	2	22	1.2
	PMU to HMI power cable	+PMC-W08	2	22	2.2
	CRD to condensor power cable	+Thermal-WA2	3	16	
Rear door light cascade	PMC to Rack1 rear door LED light power cable	+PMC-PMU_LED Control-W216	2	20	1
	Cascading cable for rear door light of the end RACK	+Rack1-W217	2	20	0.75
Rear door microswitch cascade	PMC to RACK1 rear door microswitch cascade cable	+PMC-PMU_LED Control-W214	2	20	0.75
	Cascade cable for rear door microswitch of end RACK	+Rack2-W215	2	20	0.75
Smart door lock cascade	PMC to RACK1 power cascade cable	+PMC-W201	2	22	0.85
	PMC to CRD1 communication cascade cables	+PMC-W204	1		0.9
	RACK1 to RACK2 power cascade cable	+Rack1-W201	2	22	0.85
	RACK1 to RACK2 communication cascade cables	+Rack1-W205	1		0.85
	RACK2 to CRD2 communication cascade cables	+Rack2-W206	1		0.85
	CRD1 to RACK1 communication cascade cables	+Thermal-W203	1		1.8
THD cascading	PMC to RACK1 Cascade Cable	+PMC-W207	1		2
	RACK1 to RACK2 Cascade Cable	+Rack1-W207	1		2

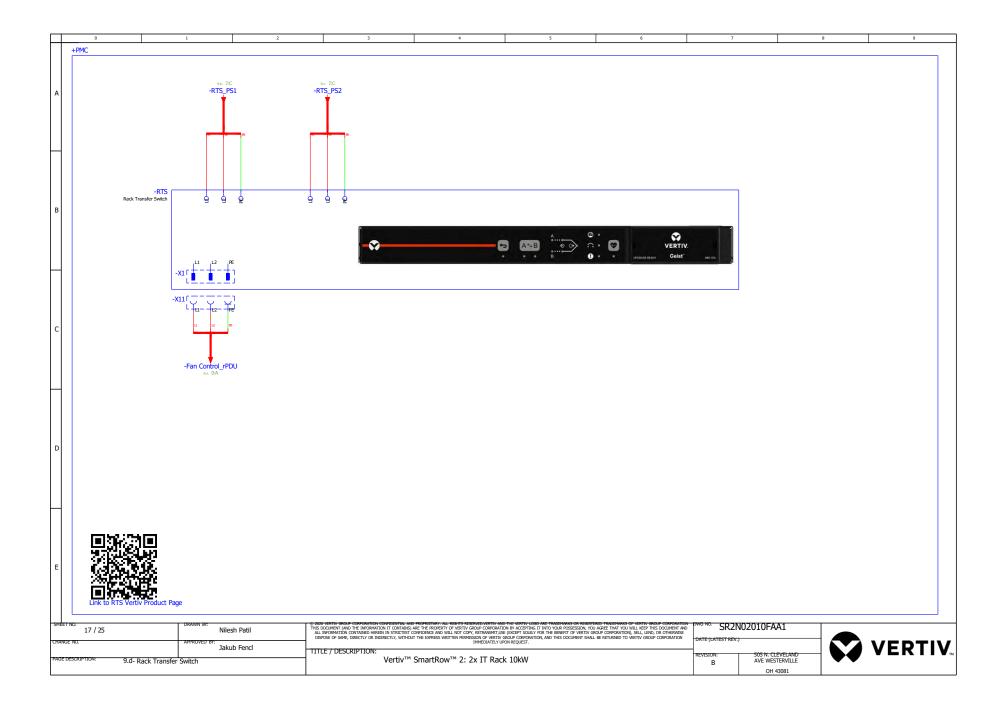
SHEET NO. 12 / 25 CHANGE NO.	DRAWN BY: Nilesh Patil APPROVED BY:	ALL INFORMATION CONTAINED HEREIN IN STRICTEST CONFIDENCE AND WILL NOT COPY, RETRANSMIT, USE (EXCEPT SOLELY FOR THE BENEFIT OF VERTIV GROUP CORPORATION), SELL, LEND, OR OTHERWISE		DWG NO. SR2N02010FAA1 DATE (LATEST REV.)		
PAGE DESCRIPTION: 8.a- Cable overvie =vRow+Rac	Jakub Fenci w : =vRow+Thermal-WA1 - k1-W207	TITLE / DESCRIPTION: Vertiv™ SmartRow™ 2: 2x IT Rack 10kW	REVISION: B	505 N. CLEVELAND AVE WESTERVILLE OH 43081		

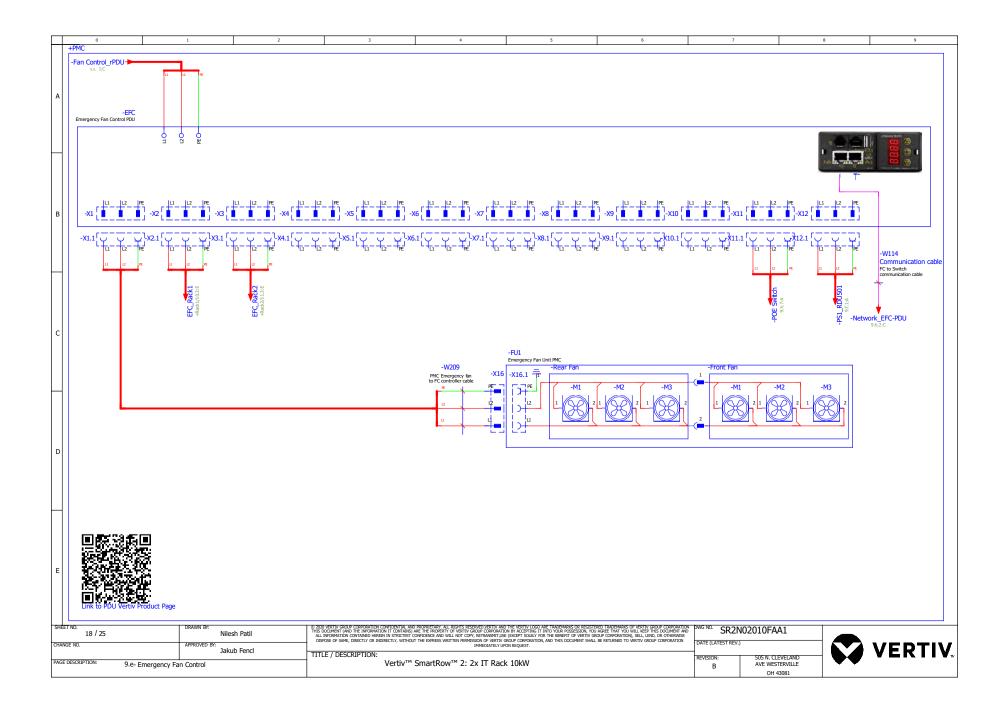


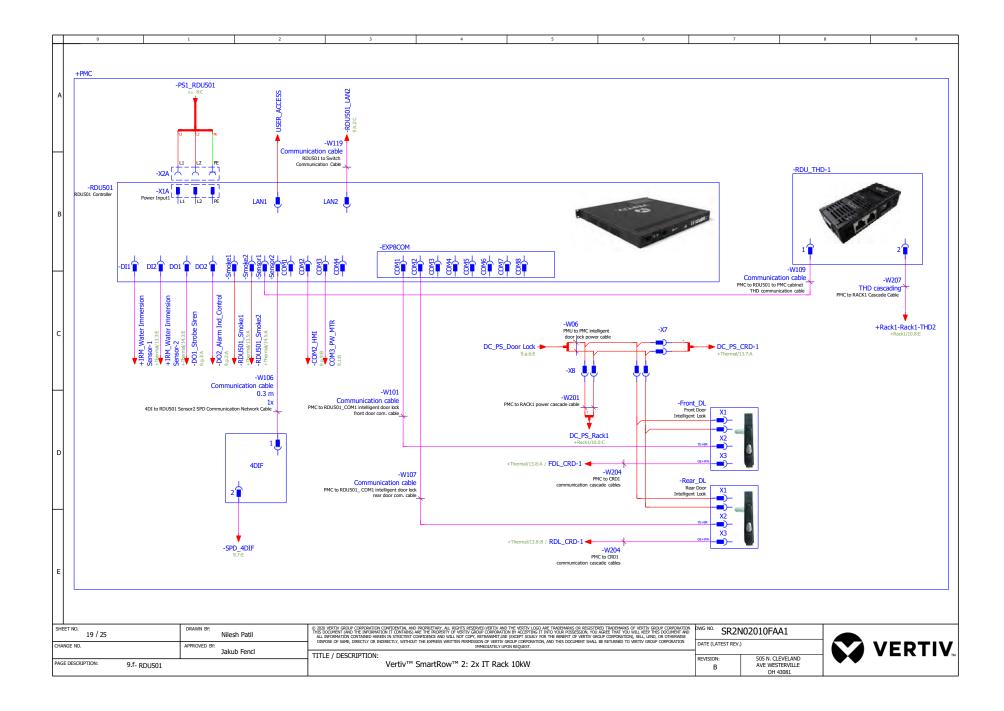


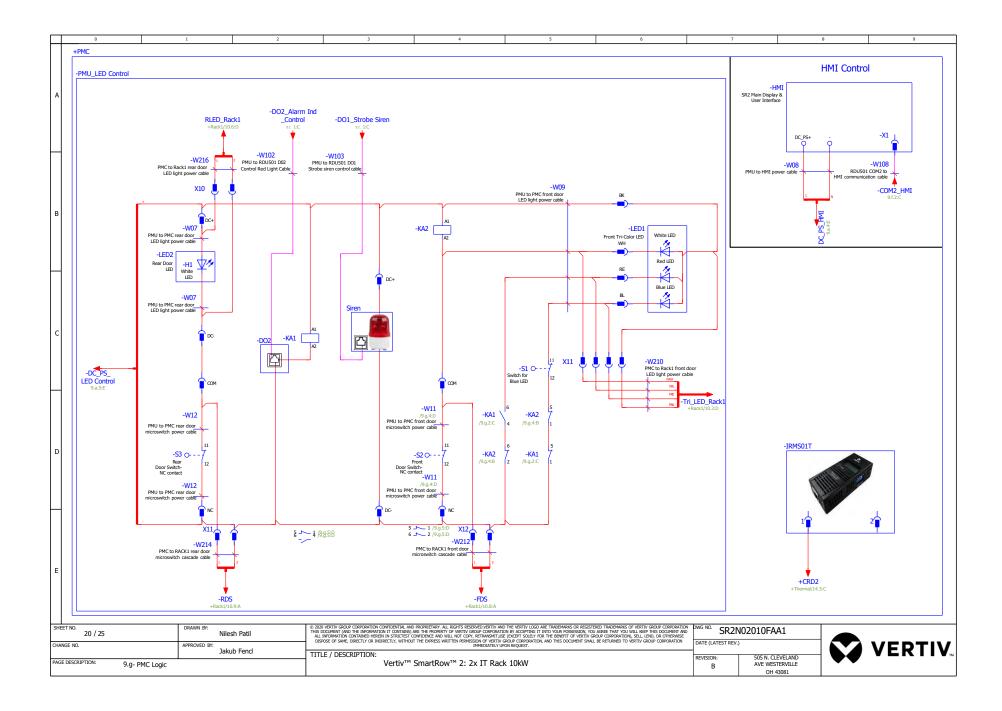


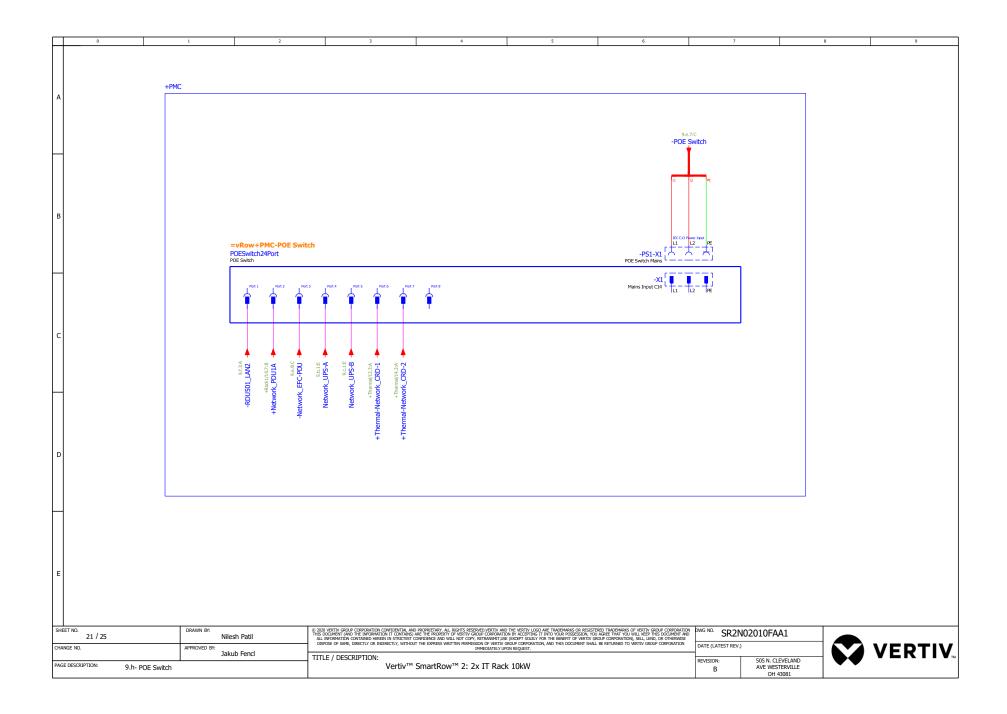


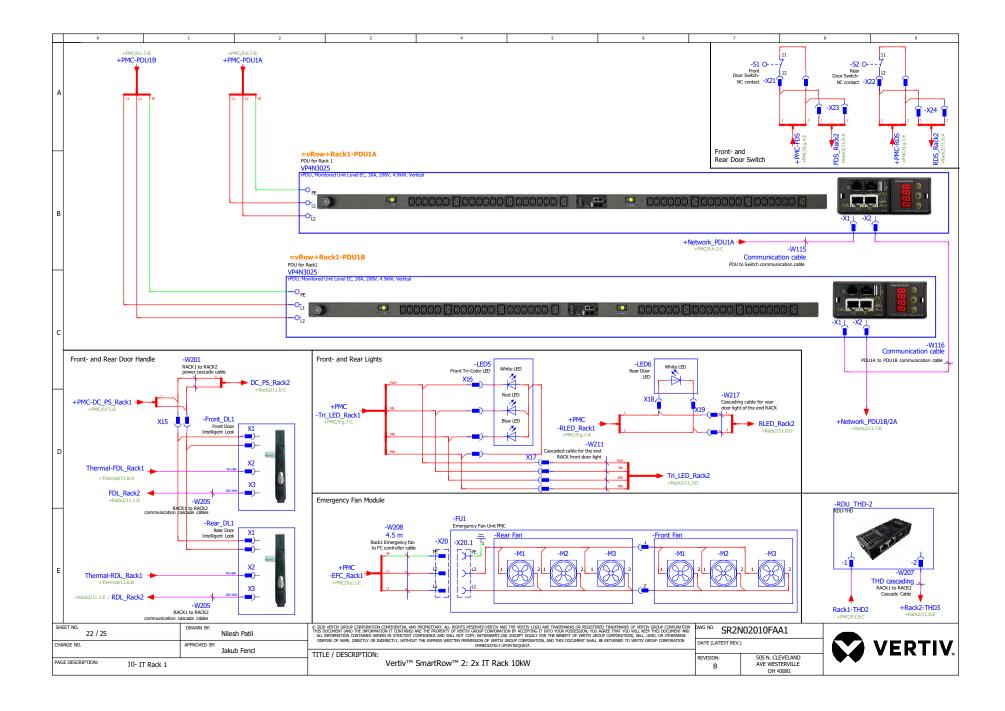


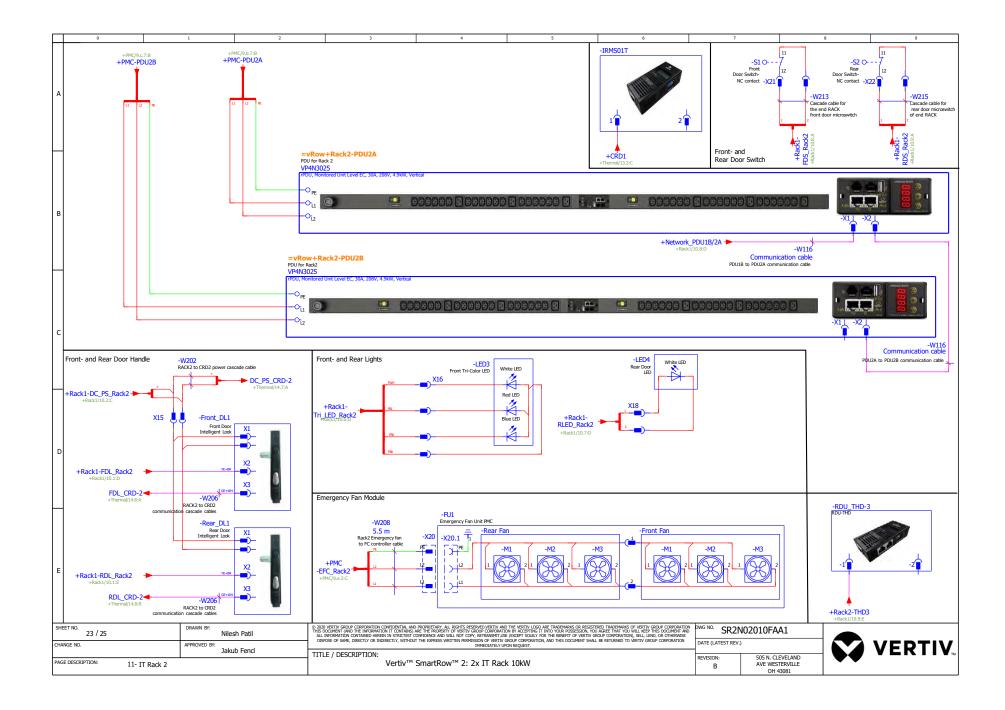


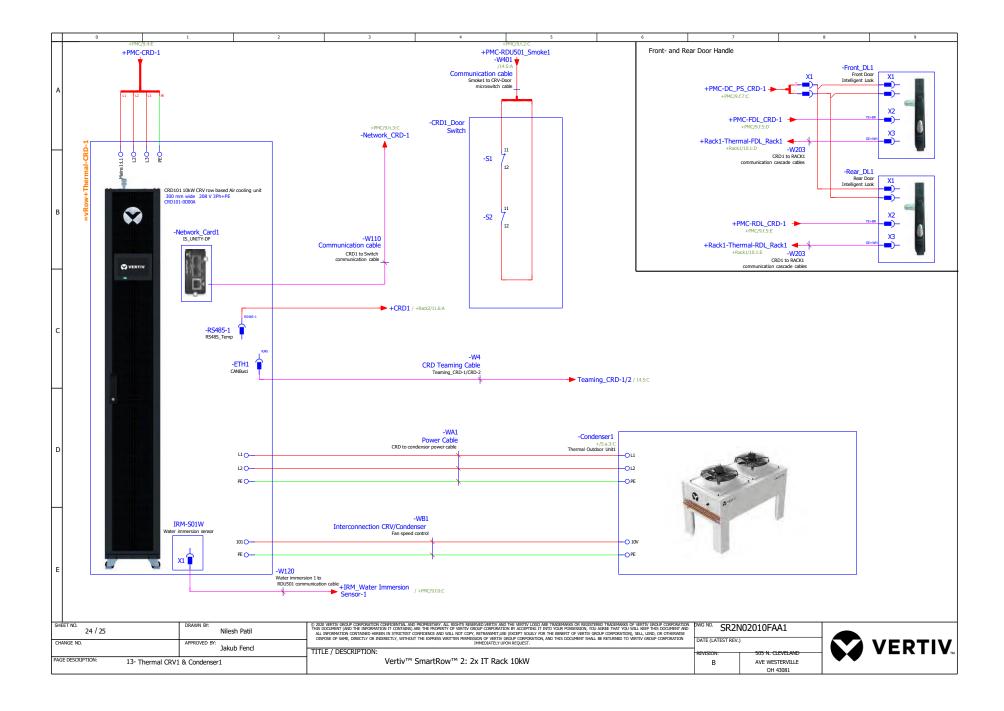


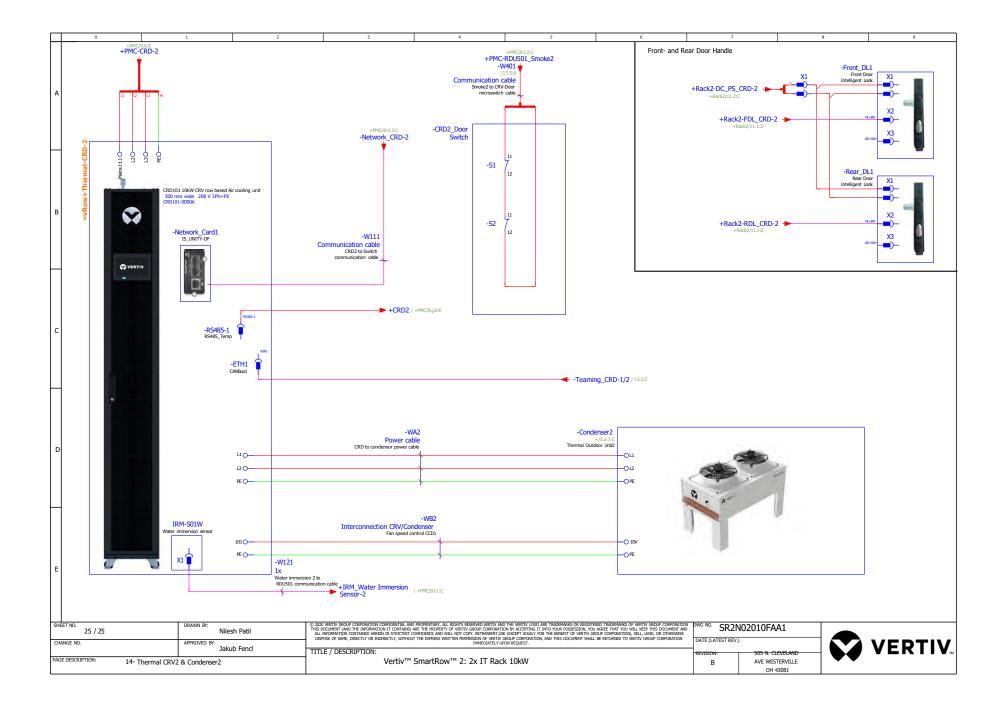


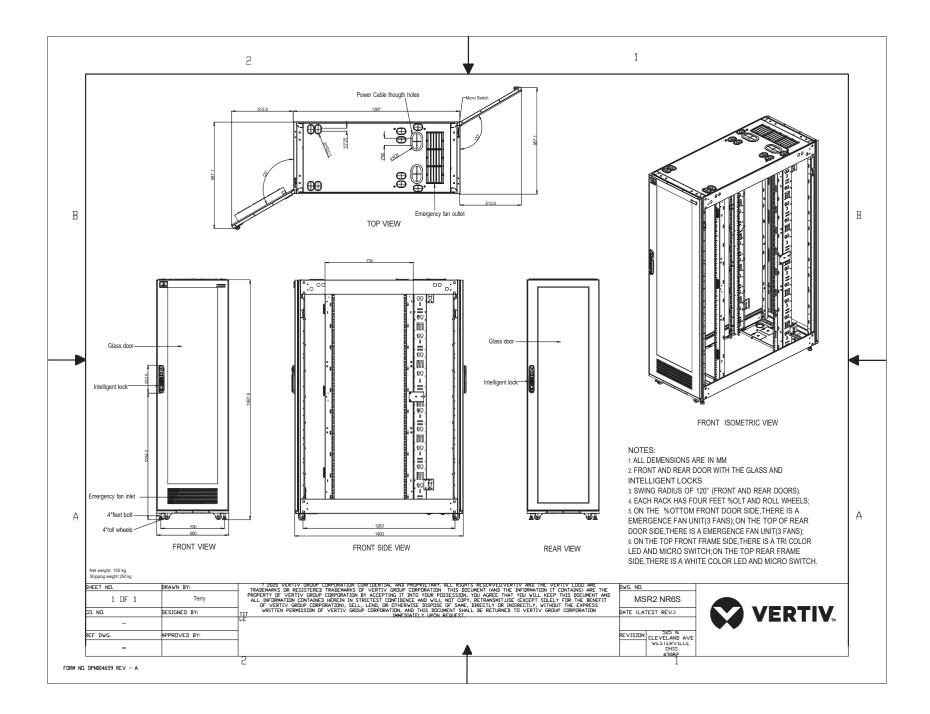


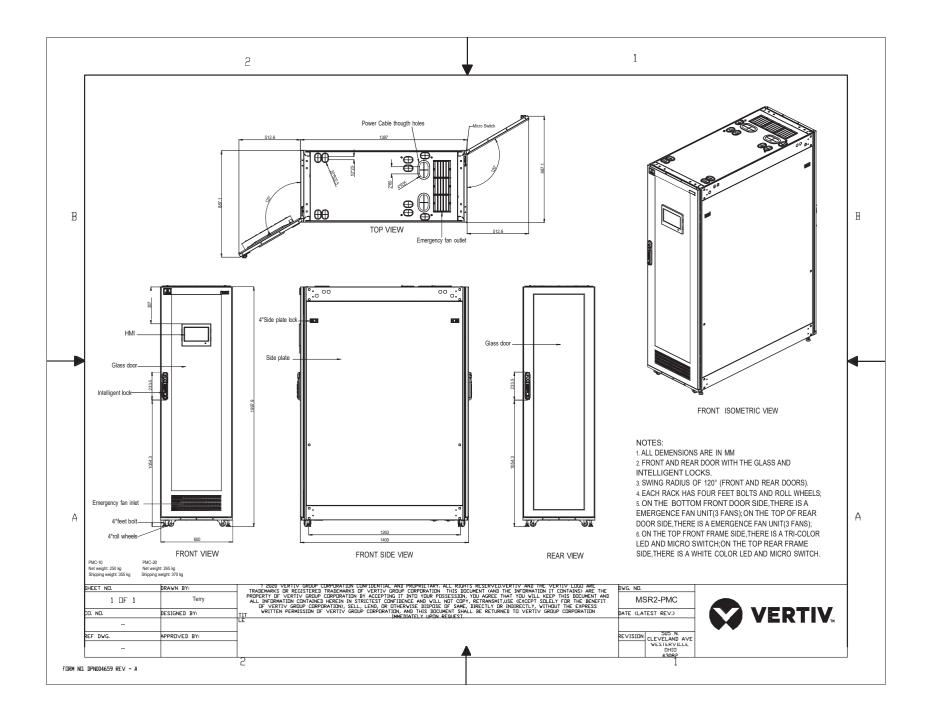


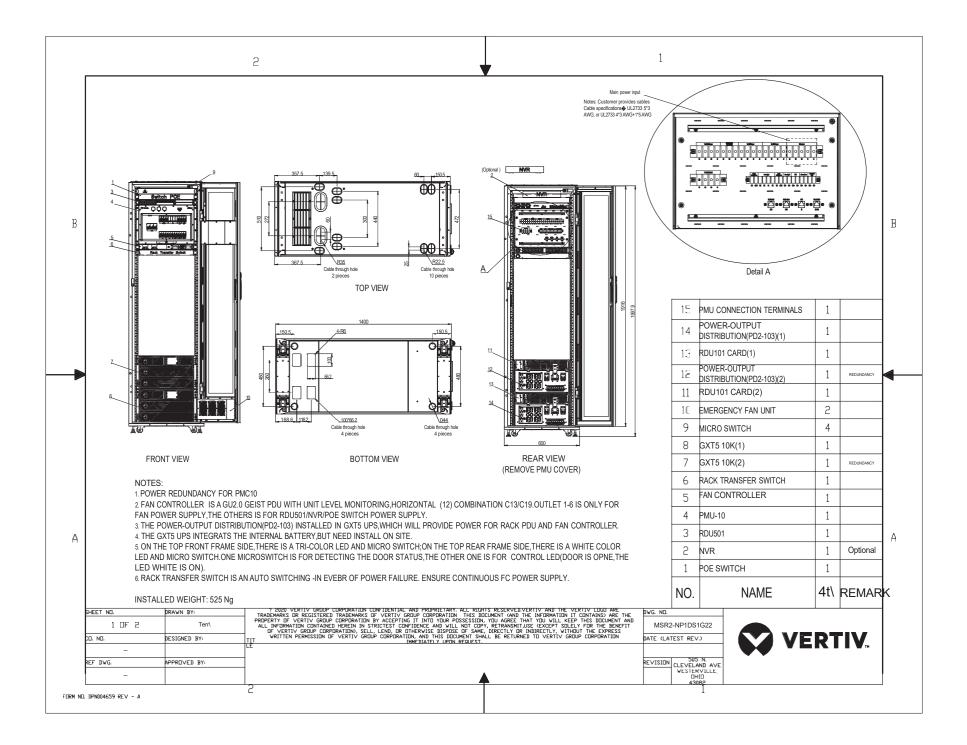


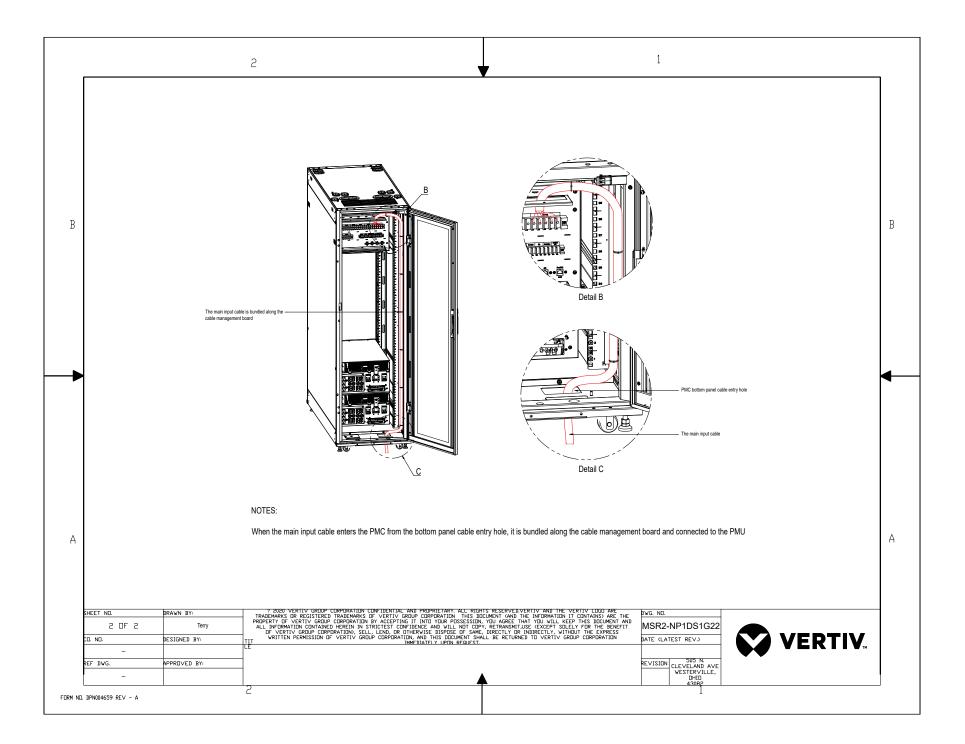


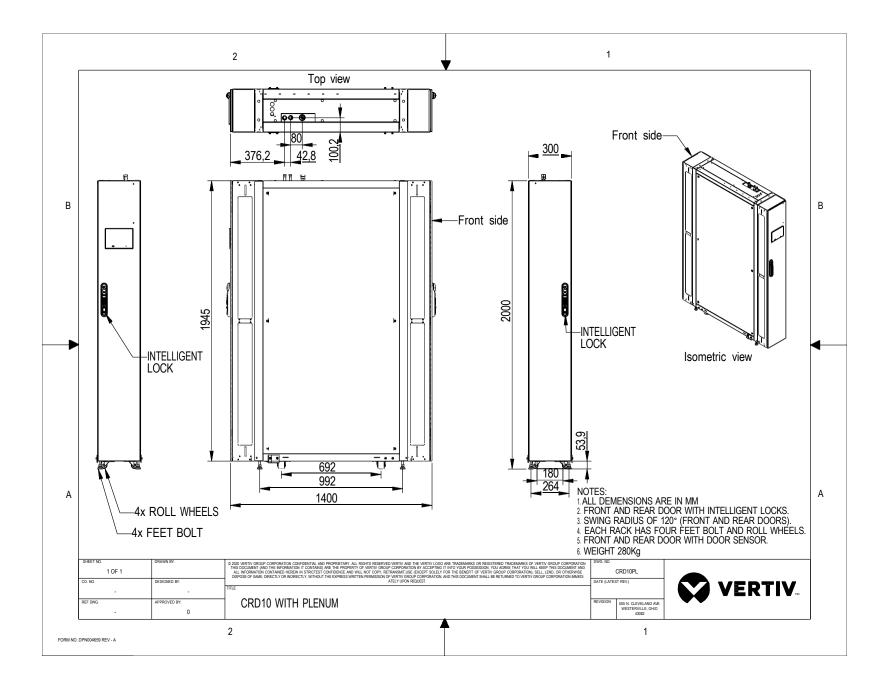


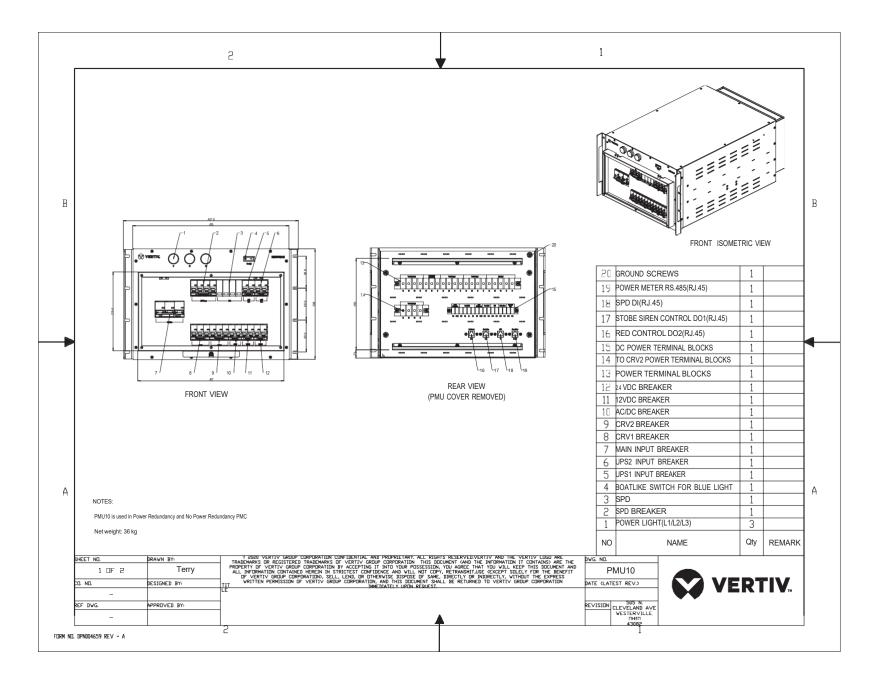


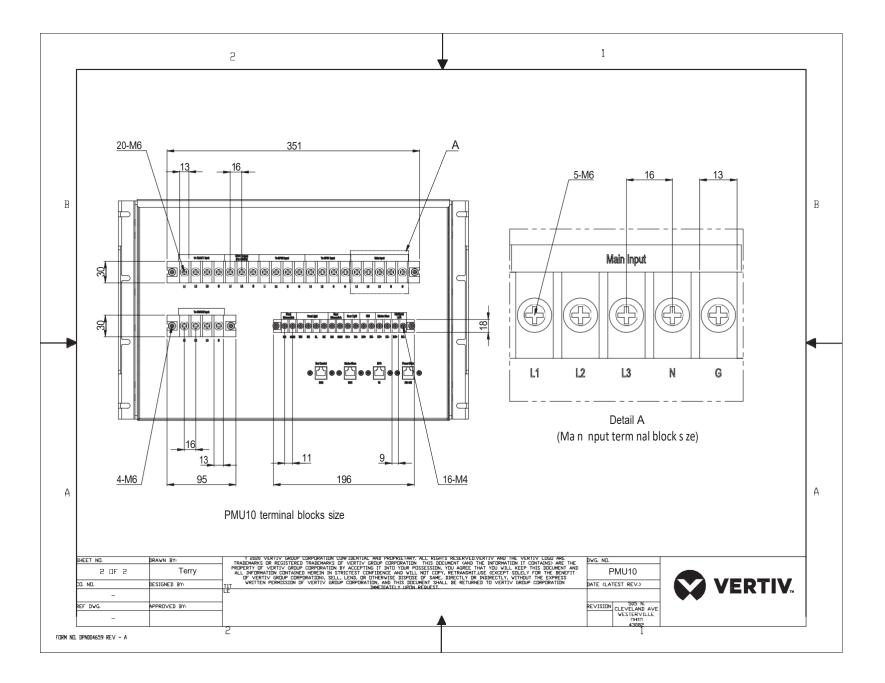


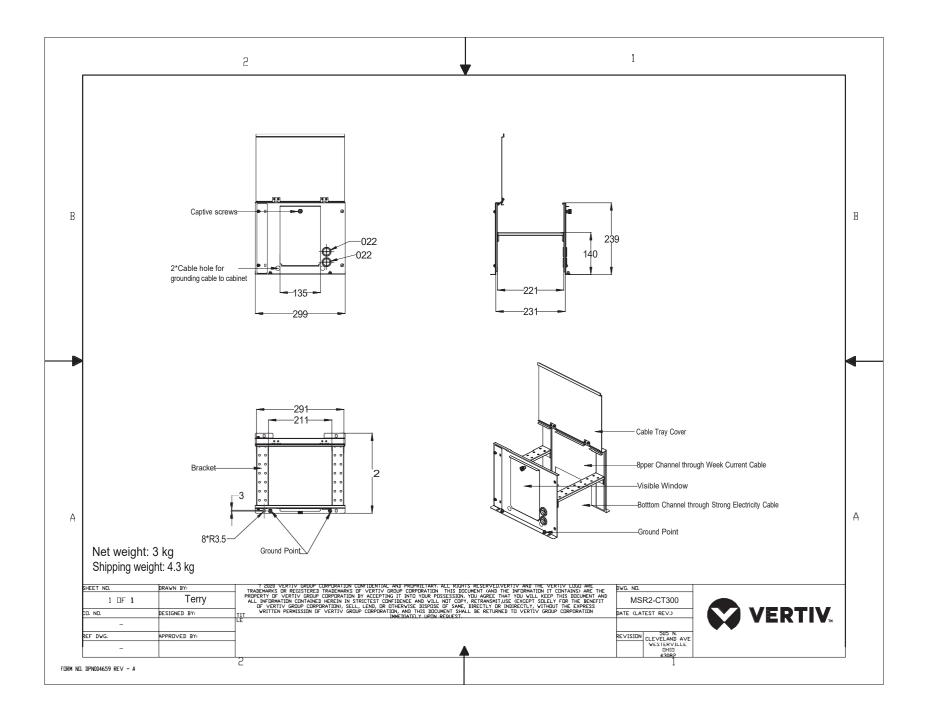


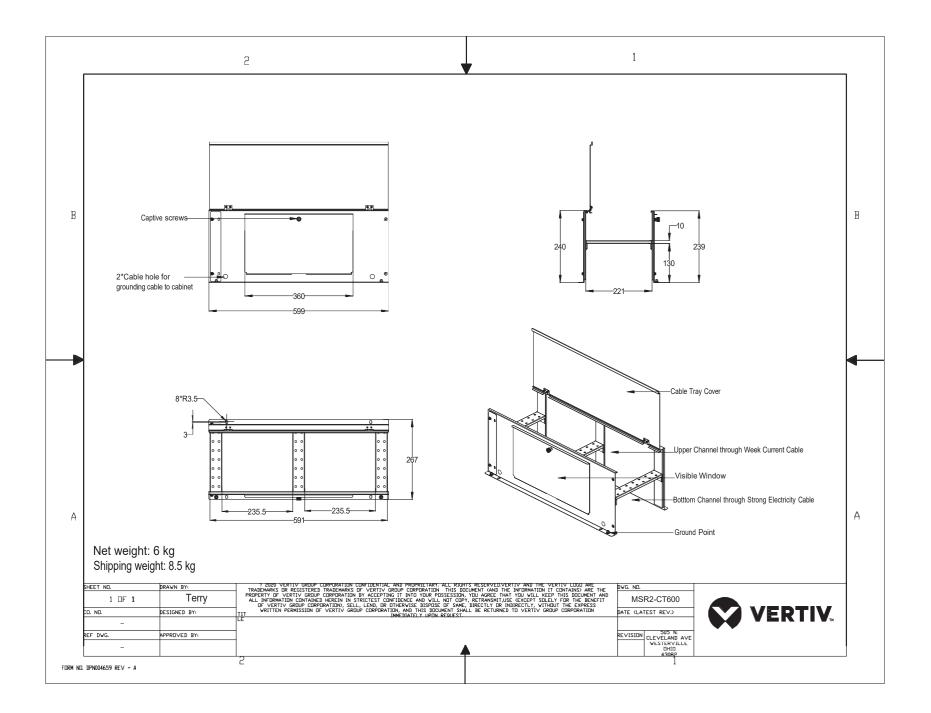












SCOPE OF WORK

SmartRow2 Assembly

SERVICE SUMMARY

Feature	Detail
On-Site Service	Site trip(s) within the 48 contiguous states. Visit(s) to be scheduled by the customer between 7 am-5 pm, Monday-Friday (excluding weekends & national holidays).
Customer Support	Includes access to the Customer Resolution Center (1-800-543-2378) and the Vertiv Customer Services Network Online Internet portal for extent of product warranty.
Consolidation	The SmartRow2 includes numerous shippable units (typically pallets or boxes) that originate from multiple factories and suppliers. Vertiv consolidates these items into a single customer shipment and reduces the likelihood of shippable units being lost at the customer site. This benefits the customer by relieving the burden of keeping track of multiple partial shipments.
Inside Delivery	Vertiv Service will move the shippable units from the delivery truck to the Staging Area. Vertiv Services will unpackage the shippable units and remove/dispose of the packaging material so that it is ready for assembly. Vertiv will verify that all material on the sales order has been received.
Project Management	Included with Consolidation and Inside Delivery. Vertiv will assign a project manager for the project. The Project Manager will supervise the Consolidation and Inside Delivery Process and communicate hardware shipment schedules with the customer.
Assembly	SmartRow2 is assembled onsite by Vertiv factory-trained and authorized technicians equipped with Vertiv Proprietary tools and software. Vertiv CEs and Vertiv Partners are the only approved OEM service providers for Vertiv products. These technicians are supervised by a Site Manager who also gathers site- specific requirements like safety and work procedures
Factory Startup	Warranty inspection and startup validates the warranty and initializes the warranty coverage period

SERVICE PERFORMED

Consolidated Shipment

Shippable units may be available at time of order or built-to-order with a lead time. Vertiv safely stores these items in-warehouse until the customer is ready to receive the SmartRow2 in a single shipment

Inside Delivery

Vertiv Services will deliver the shippable units from the delivery truck to the Staging Area. Vertiv Services will unpackage the shippable units and remove/dispose of the packaging material so that it is ready for assembly. Vertiv will verify that all material has been received.

Change order option:

• There must be an appropriate loading dock with continuous, level floor from the dock to the staging area. If the shippable units must be moved up/down stairs, the customer must provide a suitable elevator, or charges for special rigging will be incurred. If the customer does not have an appropriate loading dock, nominal charges may/may-not apply for a lift-truck delivery.

Scope of Work | Vertiv Commissioning

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Project Management

Vertiv will assign a project manager and a site manager for the project.

The Project Manager will supervise the Consolidation and Inside Delivery Process and communicate schedules with the customer.

The Site Manager will supervise the assembly, startup, warranty inspection and turn over the SmartRow2 to the customer

Site-Specific Requirements

All personnel will be available for up to two hours per week for Site Access, Safety Training and other site-specific requirements Change Order Option:

Vertiv can quote a price for additional man-hours if 2 hours per week is insufficient

Assembly

•

There shall be continuous, level floor between the Staging Area and the Installation Location so that heavy items can be moved via casters/pallet jacks.

Change Order Option:

• If there is not continuous level floor, the customer must provide or pay for any necessary lift/rigging equipment.

Vertiv PMC, including RDU501 SmartRow2 Controller/Display

Vertiv will position, level, and bay together the PMC as described in the submittal documents.

The customer is responsible for providing primary electrical power to the PMC.

Vertiv will program and configure the SmartRow2 RDU501 controller/display. This includes setting IP addresses so that the customer can monitor the system status remotely

Change Order Option:

 Vertiv will quote IP addressing of equipment on the customer network, but this would be done by other personnel and scheduled separately. This is outside the scope of SmartRow2 assembly.

Vertiv IT Rack(s)

Vertiv will position, level, and bay together the Vertiv IT Racks as described in the submittal documents.

Vertiv will not populate racks with customer IT gear, including blanking panels, servers, shelves, etc.

The customer must define addressing conventions (1,2,3,4, right-to-left or left-to-right) prior to start of work.

Cable Trays

Vertiv will install the SmartRow2 cable trays that are included with the SmartRow2 solution as described in the submittal documents

Liebert® CRV's, Temperature Sensors, Modbus cables, and associated Plenums

Vertiv will position and level the Liebert® CRV and attach the associated plenums to provide cooling to the SmartRow2.

Vertiv will connect the necessary temperature sensors.

The customer is responsible for piping and primary power to the CRV along with connecting CANBus cable between the CRV and heat rejection. All specific requirements (such as piping traps and proper electrical grounding) for correct product installation are detailed in the product installation manual.

After the SmartRow2 is assembled and the Liebert[®] CRV is piped and powered by the customer in accordance with the product installation manual, Vertiv will perform a factory warranty inspection along with the rest of the SmartRow2

Liebert[®] MC / CCD Condensers for Liebert[®] CRV's

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Project Management

The customer is responsible for installing the associated heat rejection. This includes primary power, CANBus communication wire, piping, refrigerant charging, and all other tasks in the Installation Manual. Any/all penetration points in the walls/ceilings/floors for any wiring or piping are also the customer's responsibility.

Rack PDUs

Vertiv will install and connect all rack PDUs (if applicable) including GXT5 power extensions (if applicable) as described in the submittal documents

Liebert[®] GXT5 Single Phase UPS's

Vertiv will install and connect all Liebert[®] GXT5 UPS's and connect power within the PMC cabinet and output to the PDUs as described in the submittal documents.

Additionally, Vertiv will install ancillary equipment such as Maintenance bypass and PD2-103 cabling and connectors if not already preinstalled.

After the SmartRow2 is assembled and Primary Power to the SmartRow2 is provided by the customer, Vertiv will perform factory startup of all GXT5 equipment along with the rest of the SmartRow2

Switch

Vertiv will install and connect the switch within the PMC cabinet. as described in the submittal documents

Firmware Updates

Vertiv will update firmware of any/all units to the current revision level. Shippable units are sourced globally and firmware evolves as products may be in stock with prior revisions

Wiring

Vertiv will run all necessary wiring for power and communication between cabinets as part of assembly. This includes setting IP/DIP switch settings for proper communication between the device and the PMC

Accessories

The SmartRow2 is available with lights, door locks/sensors, temperature sensors that Vertiv will connect and install.

Services associated with cameras are sold separately and out-of-scope for the SmartRow2 Assembly

RDU Monitor SmartRow2 mobile application

Services associated with the RDU Monitor SmartRow2 mobile applications are quoted separately and out-of-scope for SmartRow2 assembly

ASSUMPTIONS AND CLARIFICATIONS

• Vertiv start-up validates product warranty.

Scope of Work | Vertiv Commissioning

- Defects or damage resulting from installation not performed by Vertiv are not covered.
- Parts and Labor coverage is in accordance with Product Warranty. If a modified warranty is purchased, terms default to that specific package.
- Any customer site visit is limited to eight (8) hours per visit. Any time beyond forty (40) hours/wk or eight (8) hrs/day or additional Startup visits will be billed separately.

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- Expenses incurred due to delays that are beyond the control of Vertiv may be billed at cost.
- Startup visit must be scheduled confirmation of proper installation (if Vertiv not involved with installation).
- This pricing excludes any load bank testing. This can also be quoted separately if required.
- Pricing excludes activities associated with 3rd party commissioning
- Pricing excludes any type of circuit breaker NEMA testing. This can also be quoted separately if required.
- Customer/Installing contractor is responsible for providing elevated access as necessary.
- Any additional requests beyond the scope of this document will be billed separately by Vertiv.
- Vertiv will not perform physical changes to the site building (such as drilling holes, etc.)

CUSTOMER RESPONSIBILITIES

In order to provide timely, accurate and thorough execution of the services described herein, Vertiv requests the following:

- Point of Contact: Provide an authorized point of contact(s), specific for the scope of work, for scheduling and coordination purposes.
- Scheduling: Make dates available for scheduling service. All visits must be requested 4 weeks in advance for assembly and 10 days for startup/warranty-inspection of need by contacting the Vertiv Project Manager. Site must be available for 5 consecutive business days. Customer may choose to pay for premium time if weekend work is necessary.
- Site Access: Prior to time of scheduled work, provide site access including any customer required escort, security clearance, safety training and badging for Vertiv personnel.
- Equipment Access: Convenient access to the equipment covered by the Scope of Work. Prior to scheduled time of work, notify Vertiv personnel of any special requirements for equipment access including lifts, ladders, etc.
- Shutdown: Service may require shutdown of load to ensure electrical connection integrity.
- Notification: If for any reason the work cannot be performed during scheduled time, notify Vertiv personnel 24-hours prior to scheduled event.
- Provide Method of Procedure (MOP) requirements/ templates, and required review period(s)

TERMS AND CONDITIONS

Subject to all Terms & Conditions as noted in the Vertiv Terms & Conditions or the terms of a Master Agreement between the parties, if any, shall apply.

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