



**Solution: SR2N03030PAB1**

1. Change Log..... 3

2. Site Planning Datasheet..... 4

3. Interconnection Guide (ICG)..... 5

4. Field Supplied Cable & Part List ..... 21

5. Vertiv MSR2 600mm IT Rack ..... 22

6. Power Management Cabinet - 40kW (PMC40) ..... 23

7. CRD30 ..... 24

8. Plenum CRD30 ..... 25

9. IMPB4BAR ..... 26

10. JOINTPACK ..... 27

11. END CAP ..... 28

12. ROOFBRACKETS ..... 29

13. V2 TPN 2x50A ..... 30

14. IMPB CEB 250A TPN ..... 31

15. IMPB CEB 250A TPN ..... 32

16. SCOPE OF WORK ..... 33

# 1. Change Log

| Rev | Date       | Author | Description     | Number of Change |
|-----|------------|--------|-----------------|------------------|
| A   | 04/24/2026 | TK     | Initial Release | CO-1127543       |

## 2. Site Planning Datasheet

Smart Row 2 Site Planning Datasheet (208V, 3 phase + PE)

| Configuration Number | Part Number   | Max Row Capacity (kW) | IT Racks per Row | Capacity per Rack (kW) | Cooling Units per Row | Rack PDU Count | Main Input Breaker Size | Condenser Breaker Size | Condenser Dry Weight kg (lbs) | Row Dimensions (L x H x D) mm (in)       | Row Weight kg (lbs) | Min. Staging Area m2 (ft2) |
|----------------------|---------------|-----------------------|------------------|------------------------|-----------------------|----------------|-------------------------|------------------------|-------------------------------|------------------------------------------|---------------------|----------------------------|
| 31                   | SR2N03030NAB1 | 30                    | 3                | 10                     | 1                     | 3              | 200 A                   | 70 A                   | 193 (424.6)                   | 2700 (106.3) x 2433 (95.8) x 1400 (55.1) | 1858 (4095)         | 22.34 (240.47)             |
| 32                   | SR2N03030PAB1 | 30                    | 3                | 10                     | 1                     | 6              | 200 A                   | 70 A                   | 193 (424.6)                   | 2700 (106.3) x 2433 (95.8) x 1400 (55.1) | 1959 (4318)         | 23.40 (251.88)             |
| 33                   | SR2N03030FAB1 | 30                    | 3                | 10                     | 2                     | 6              | 200 A                   | 70 A                   | 193 (424.6)                   | 3000 (118.1) x 2433 (95.8) x 1400 (55.1) | 2385 (5258)         | 27.05 (291.16)             |
| 34                   | SR2N04030NAB1 | 30                    | 4                | 7.5                    | 1                     | 4              | 200 A                   | 70 A                   | 193 (424.6)                   | 3300 (129.9) x 2433 (95.8) x 1400 (55.1) | 2069 (4562)         | 24.38 (262.42)             |
| 35                   | SR2N04030PAB1 | 30                    | 4                | 7.5                    | 1                     | 8              | 200 A                   | 70 A                   | 193 (424.6)                   | 3300 (129.9) x 2433 (95.8) x 1400 (55.1) | 2178 (4802)         | 25.53 (274.80)             |
| 36                   | SR2N04030FAB1 | 30                    | 4                | 7.5                    | 2                     | 8              | 200 A                   | 70 A                   | 193 (424.6)                   | 3600 (141.7) x 2433 (95.8) x 1400 (55.1) | 2604 (5742)         | 29.18 (314.09)             |
| 37                   | SR2N05030NAB1 | 30                    | 5                | 6                      | 1                     | 5              | 200 A                   | 70 A                   | 193 (424.6)                   | 3900 (153.5) x 2433 (95.8) x 1400 (55.1) | 2281 (5028)         | 26.42 (284.38)             |
| 38                   | SR2N05030PAB1 | 30                    | 5                | 6                      | 1                     | 10             | 200 A                   | 70 A                   | 193 (424.6)                   | 3900 (153.5) x 2433 (95.8) x 1400 (55.1) | 2397 (5284)         | 27.66 (297.73)             |
| 39                   | SR2N05030FAB1 | 30                    | 5                | 6                      | 2                     | 10             | 200 A                   | 70 A                   | 193 (424.6)                   | 4200 (165.4) x 2433 (95.8) x 1400 (55.1) | 2823 (6224)         | 31.31 (337.02)             |
| 40                   | SR2N04040NAB1 | 40                    | 4                | 10                     | 2                     | 4              | 200 A                   | 70 A                   | 193 (424.6)                   | 3600 (141.7) x 2433 (95.8) x 1400 (55.1) | 2484 (5476)         | 27.83 (299.56)             |
| 41                   | SR2N04040PAB1 | 40                    | 4                | 10                     | 2                     | 8              | 200 A                   | 70 A                   | 193 (424.6)                   | 3600 (141.7) x 2433 (95.8) x 1400 (55.1) | 2581 (5690)         | 28.78 (309.79)             |
| 42                   | SR2N04040FAB1 | 40                    | 4                | 10                     | 3                     | 8              | 200 A                   | 70 A                   | 193 (424.6)                   | 3900 (153.5) x 2433 (95.8) x 1400 (55.1) | 2007 (6630)         | 32.43 (349.07)             |
| 43                   | SR2N05040NAB1 | 40                    | 5                | 8                      | 2                     | 5              | 200 A                   | 70 A                   | 193 (424.6)                   | 4200 (165.4) x 2433 (95.8) x 1400 (55.1) | 2709 (5973)         | 30.07 (323.67)             |
| 44                   | SR2N05040PAB1 | 40                    | 5                | 8                      | 2                     | 10             | 200 A                   | 70 A                   | 193 (424.6)                   | 4200 (165.4) x 2433 (95.8) x 1400 (55.1) | 2828 (6234)         | 31.31 (337.02)             |
| 45                   | SR2N05040FAB1 | 40                    | 5                | 8                      | 3                     | 10             | 200 A                   | 70 A                   | 193 (424.6)                   | 4500 (177.2) x 2433 (95.8) x 1400 (55.1) | 3254 (7174)         | 34.96 (376.31)             |
| 46                   | SR2N06040NAB1 | 40                    | 6                | 6.8                    | 2                     | 6              | 200 A                   | 70 A                   | 193 (424.6)                   | 4800 (189.0) x 2433 (95.8) x 1400 (55.1) | 2951 (6505)         | 32.57 (350.58)             |
| 47                   | SR2N06040PAB1 | 40                    | 6                | 6.8                    | 2                     | 12             | 200 A                   | 70 A                   | 193 (424.6)                   | 4800 (189.0) x 2433 (95.8) x 1400 (55.1) | 3096 (6827)         | 34.28 (368.99)             |
| 48                   | SR2N06040FAB1 | 40                    | 6                | 6.8                    | 3                     | 12             | 200 A                   | 70 A                   | 193 (424.6)                   | 5100 (200.8) x 2433 (95.8) x 1400 (55.1) | 3523 (7767)         | 37.93 (408.28)             |
| 49                   | SR2N07040NAB1 | 40                    | 7                | 5.7                    | 2                     | 7              | 200 A                   | 70 A                   | 193 (424.6)                   | 5400 (212.6) x 2433 (95.8) x 1400 (55.1) | 3169 (6986)         | 34.71 (373.62)             |
| 50                   | SR2N07040PAB1 | 40                    | 7                | 5.7                    | 2                     | 14             | 200 A                   | 70 A                   | 193 (424.6)                   | 5400 (212.6) x 2433 (95.8) x 1400 (55.1) | 3329 (7339)         | 36.61 (394.07)             |
| 51                   | SR2N07040FAB1 | 40                    | 7                | 5.7                    | 3                     | 14             | 200 A                   | 70 A                   | 193 (424.6)                   | 5700 (224.4) x 2433 (95.8) x 1400 (55.1) | 3755 (8279)         | 40.26 (433.36)             |
| 52                   | SR2N08040NAB1 | 40                    | 8                | 5                      | 2                     | 8              | 200 A                   | 70 A                   | 193 (424.6)                   | 6000 (236.2) x 2433 (95.8) x 1400 (55.1) | 3380 (7452)         | 36.75 (395.57)             |
| 53                   | SR2N08040PAB1 | 40                    | 8                | 5                      | 2                     | 16             | 200 A                   | 70 A                   | 193 (424.6)                   | 6000 (236.2) x 2433 (95.8) x 1400 (55.1) | 3547 (7821)         | 38.74 (416.99)             |
| 54                   | SR2N08040FAB1 | 40                    | 8                | 5                      | 3                     | 16             | 200 A                   | 70 A                   | 193 (424.6)                   | 6300 (248.0) x 2433 (95.8) x 1400 (55.1) | 3974 (8761)         | 42.39 (456.28)             |

Notes:

- 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) Meets the requirements of data center or computer room environments.
- Floor surface must be level and continuous (expansion joints sealed, raised floor tile gaps sealed) Ground bearing capacity is more than 1000 kg/m2
- No building springler head should be within 19.7 in (0.5 m)
- Install in accordance with national and local electrical codes
- Cable Sizing (Main Input Breaker Size) 3/0 AWG
- Row Dimensions do not include necessary space needed for access including per ADA or local codes

|                                                                   |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |                                                                                                         |  |
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| REF. DWG.                                                         | APPROVED BY: | REVISION<br>001 N. CLEVELAND AVE<br>WESTERVILLE, OHIO 43081                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |          |                                                                                                         |  |
| TITLE<br>Smart Row 2 Site Planning Datasheet (208V, 3 phase + PE) |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |          |                                                                                                         |  |

# Vertiv Row Solution

Knowledge to Build Optimized Infrastructure Solutions



## Vertiv™ SmartRow™ 2: 3x IT Rack 30kW



Row IT Load Capacity: 30 kW  
Power Redundancy UPS: Yes  
Power Redundancy rPDU: Yes  
Cooling Redundancy: No

Dimensions:  
Length: 8.85 ft [2700 mm]  
Depth: 4.6 ft [1400 mm]  
Height: 7.98 ft [2433 mm]

|                             |  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |  |                                                                                             |
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| CHANGE NO.                  |  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE (LATEST REV.) 01.09.2026                       |  |                                                                                             |
| PAGE DESCRIPTION:           |  |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | REVISION: 505 N. CLEVELAND AVE WESTERVILLE OH 43081 |  |                                                                                             |
| 1- Title page / cover sheet |  |                               | Vertiv™ SmartRow™ 2: 3x IT Rack 30kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |  |                                                                                             |



## Front View

| No. | Components                  | No. | Components      |
|-----|-----------------------------|-----|-----------------|
| 1   | ITA2 20k UPS 2+1            | 6   | PoE Switch      |
| 2   | rPDU Feed A                 | 7   | NVR (optional)  |
| 3   | rPDU Feed B                 | 8   | IMPB System A/B |
| 4   | Power Management Part PMC40 |     |                 |
| 5   | RDU501                      |     |                 |

## Notes:

1. Row IT Load Capacity is driven by number of IT-Racks (IT-Rack x 10 kW per rack).
2. 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).
3. Floor surface must be level and continuous (expansion joints sealed, raised floor tile gaps sealed, no floor drains, etc).
4. No building sprinkler head should be within 19.7 in (0.5 m).

2T Sensor mounted on rack roof

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                             |  |                                                              |  |                                                              |  |                                                                                             |  |
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| SHEET NO.<br>2 / 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | DRAWN BY:<br>Nilesh Patel   |  | TITLE / DESCRIPTION:<br>Vertiv™ SmartRow™ 2: 3x IT Rack 30kW |  | DWG NO. SR2N03030PAB1                                        |  |  VERTIV™ |  |
| CHANGE NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | APPROVED BY:<br>Petr Harant |  |                                                              |  |                                                              |  |                                                                                             |  |
| PAGE DESCRIPTION:<br>2- vRow Front View                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                             |  |                                                              |  | REVISION:<br>505 N. CLEVELAND<br>AVE WESTERVILLE<br>OH 43081 |  | DATE (LATEST REV.) 01.09.2026                                                               |  |
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Cable overview

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| Cable overview |   |   |   |   |   |   |   |   |    |   |
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Cable overview

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                                                                                        |                |                                      |                           |                         |                       |                                                                                                                     |                                           |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------|----------------|--------------------------------------|---------------------------|-------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0             | 1                                                                                                      | 2              | 3                                    | 4                         | 5                       | 6                     | 7                                                                                                                   | 8                                         | 9 |
| Cable overview                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                                                                                        |                |                                      |                           |                         |                       |                                                                                                                     |                                           |   |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Packaging No. |                                                                                                        | Cable Category |                                      | Cable No.                 | Tag1                    | Tag2                  | Length (inch/mm)                                                                                                    | Description                               |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0411B797      | CRV plenum department status collection & intelligent door lock communication cable (Onsite assembled) |                | W358                                 | First LOCK(F);POE LOCK_RJ | Second LOCK;POE LOCK(F) | 177/4500+67/1700      | CRV1 internal intelligent POE door lock communication cable                                                         |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0411B798      | POE Smart door lock Network cable (Onsite assembled)                                                   |                | W269                                 | RACK1_POE LOCK            | POE Switcher(RACK1)     | 99/2500               | Network cable from Rack1 intelligent door lock to POE switch                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | POE Smart door lock Network cable (Onsite assembled)                                                   |                | W270                                 | RACK2_POE LOCK            | POE Switcher(RACK2)     | 126/3200              | Network cable from Rack2 intelligent door lock to POE switch                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | POE Smart door lock Network cable (Onsite assembled)                                                   |                | W271                                 | RACK3_POE LOCK            | POE Switcher(RACK3)     | 165/4200              | Network cable from Rack3 intelligent door lock to POE switch                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between CRAC door status signal to RDU501 or 4DJF (Onsite assembled)                     |                | W261                                 | 385(CRAC1)                | RDU501 : smoke1         | 177/4500              | Network cable from CRAC_1 door status port to RDU501                                                                |                                           |   |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Cabinet THD expansion cable over air conditioner (Onsite assembled)                                    |                | W267                                 | RACK-THD-RJ2              | RACK-THD-RJ1            | 14/350                | Cabinet THD cables are cascaded across air conditioners-CRV1                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | POE Smart door lock Network cable (Onsite assembled)                                                   |                | W277                                 | CRAC_POE LOCK             | POE Switcher(CRAC1)     | 126/3200              | Network cable from CRV1 intelligent door lock to POE switch                                                         |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the PDU and POE switch (Onsite assembled)                                        |                | W264                                 | PDU                       | POE Switch(PDU)         | 137.8/3500            | Network cable from PDU to POE Switch                                                                                |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the PDU and PDU (Onsite assembled)                                               |                | W265                                 | PDU                       | PDU                     | 157/4000              | Network cable from the same cabinet PDU to PDU -Rack1                                                               |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the PDU and PDU (Onsite assembled)                                               |                | W266                                 | PDU                       | Next RACK_PDU           | 118/3000              | Network cable from the different cabinet PDU to PDU -Rack1/2                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the PDU and PDU (Onsite assembled)                                               |                | W265                                 | PDU                       | PDU                     | 157/4000              | Network cable from the same cabinet PDU to PDU -Rack2                                                               |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the PDU and PDU (Onsite assembled)                                               |                | W265                                 | PDU                       | PDU                     | 157/4000              | Network cable from the same cabinet PDU to PDU -Rack3                                                               |                                           |   |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Network cable between the PDU and PDU (Onsite assembled)                                               |                | W266                                 | PDU                       | Next RACK_PDU           | 118/3000              | Network cable from the different cabinet PDU to PDU -Rack2/3                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | POE Smart door lock Network cable (Onsite assembled)                                                   |                | W268                                 | PMC40_POE LOCK            | POE Switcher(PMC40)     | 36/900                | Network cable from PMC40 intelligent door lock to POE switch                                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the CRAC and the switch (Onsite assembled)                                       |                | W255                                 | CRV1                      | POE Switch(CRV1)        | 197/5000              | Network cable from CRV1 to POE Switch                                                                               |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | Network cable between the Water Leak and the switch or 4DJF (Onsite assembled)                         |                | W258                                 | Water Leak1               | RDU501:DI1              | 197/5000              | Network cable from Water Leak1 to RDU501                                                                            |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0411C211      | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W208                                 | THD-RJ2                   | THD-RJ1                 | 33.46/850             | THD cascaded pre-installed cables for the MSR2-NR6P cabinet - PMC to Rack1                                          |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W208                                 | THD-RJ2                   | THD-RJ1                 | 33.46/850             | THD cascaded pre-installed cables for the MSR2-NR6P cabinet - Rack1 to Rack2                                        |                                           |   |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W302                                 | RACK_FAN                  | RACK_FAN/To RACK_FAN    | 17.72/450             | Pre-installed cables for the emergency fan cascade in the MSR2-NR6P cabinet-Rack1                                   |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W208                                 | THD-RJ2                   | THD-RJ1                 | 33.46/850             | THD cascaded pre-installed cables for the MSR2-NR6P cabinet - Rack2 to Rack3                                        |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W302                                 | RACK_FAN                  | RACK_FAN/To RACK_FAN    | 17.72/450             | Pre-installed cables for the emergency fan cascade in the MSR2-NR6P cabinet-Rack2                                   |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W302                                 | RACK_FAN                  | RACK_FAN/To RACK_FAN    | 17.72/450             | Pre-installed cables for the emergency fan cascade in the MSR2-NR6P cabinet-Rack3                                   |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W300                                 | RACK_F-SW;RACK_FLIGHT     | RACK_F-SW;RACK_FLIGHT   | 26/660                | The cable is preinstalled on the front door of MSR2-NR6P cabinet -LED light and microswitch cascade cable for Rack1 |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W301                                 | RACK_R-SW;RACK:RLIGHT     | RACK_R-SW;RACK:RLIGHT   | 26/660                | The cable is preinstalled on the rear door of MSR2-NR6P cabinet -LED light and microswitch cascade cable for Rack1  |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W300                                 | RACK_F-SW;RACK_FLIGHT     | RACK_F-SW;RACK_FLIGHT   | 26/660                | The cable is preinstalled on the front door of MSR2-NR6P cabinet -LED light and microswitch cascade cable for Rack2 |                                           |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W301                                 | RACK_R-SW;RACK:RLIGHT     | RACK_R-SW;RACK:RLIGHT   | 26/660                | The cable is preinstalled on the rear door of MSR2-NR6P cabinet -LED light and microswitch cascade cable for Rack2  |                                           |   |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | MSR2-NR6P cabinets are preinstalled with cable (Factory assembled)                                     |                | W300                                 | RACK_F-SW;RACK_FLIGHT     | RACK_F-SW;RACK_FLIGHT   | 26/660                | The cable is preinstalled on the front door of MSR2-NR6P cabinet -LED light and microswitch cascade cable for Rack3 |                                           |   |
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| DRAWN BY: Nilesht Patil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                                                                                        |                | APPROVED BY: Petr Harant             |                           |                         | REVISION:             |                                                                                                                     | 505 N. CLEVELAND AVE WESTERVILLE OH 43081 |   |
| PAGE DESCRIPTION: 3.b - Cable overview : =vRow+CRV1-W358 - =vRow+RACK3-W300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                                                                                        |                | Vertiv™ SmartRow™ 2: 3x IT Rack 30kW |                           |                         | VERTIV™               |                                                                                                                     |                                           |   |

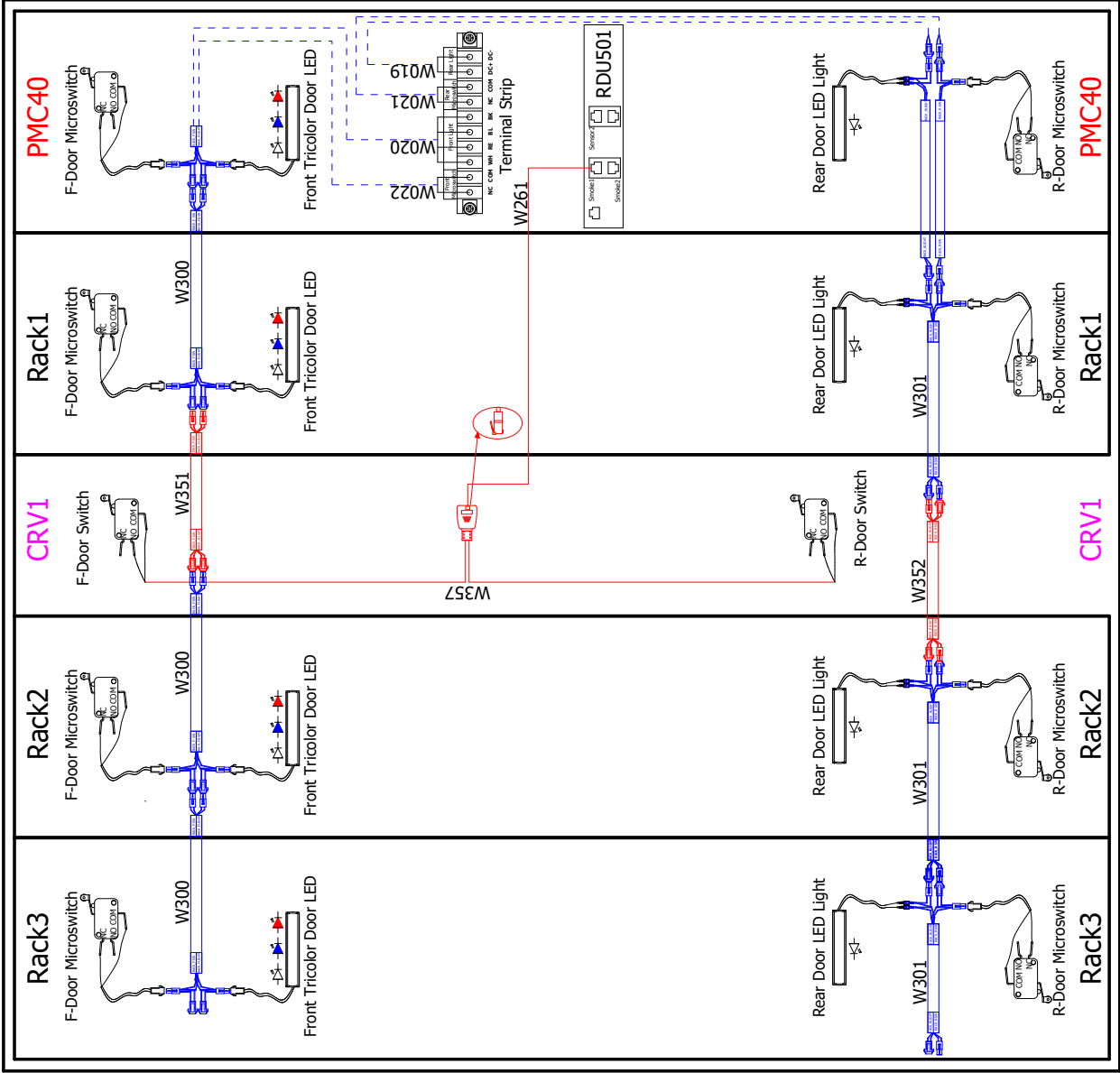








LED & Micro Switch -SR2 for 30K (3\*ITRack)

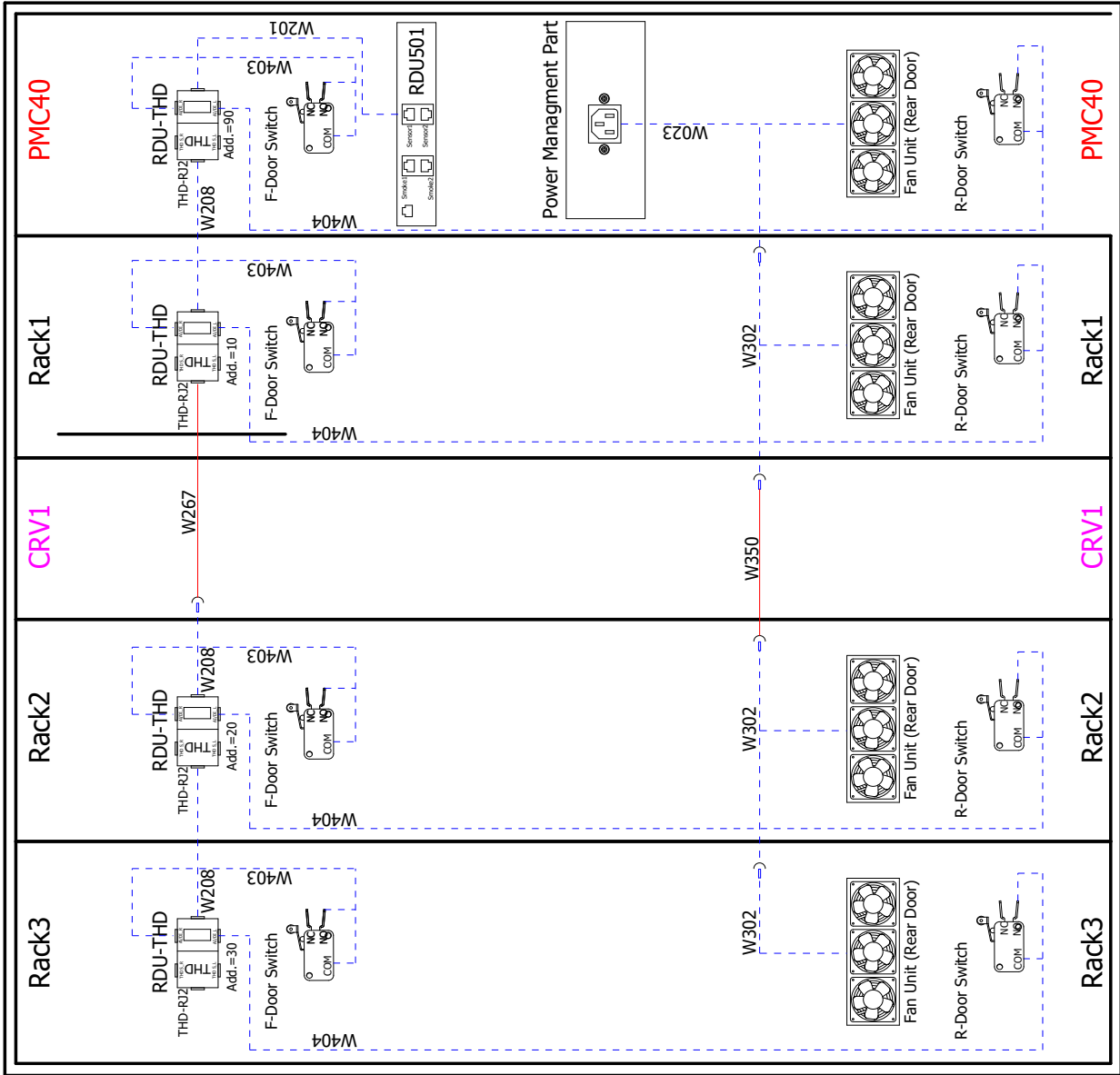


Rear View

----- Factory connected cables  
----- Cables connected at assembly

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                              |  |                       |                                                                                             |                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|--|-----------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| SHEET NO.<br>12 / 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | DRAWN BY:<br>Nilesh Patil                                    |  | DWG NO. SR2N03030PAB1 |  VERTIV™ |                                                              |
| CHANGE NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | APPROVED BY:<br>Petr Harant                                  |  |                       |                                                                                             | DATE (LATEST REV.) 01.09.2026                                |
| PAGE DESCRIPTION:<br>4.c - LED&Micro Switch wiring diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | TITLE / DESCRIPTION:<br>Vertiv™ SmartRow™ 2: 3x IT Rack 30kW |  |                       |                                                                                             | REVISION:<br>505 N. CLEVELAND<br>AVE WESTERVILLE<br>OH 43081 |
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Fans & THDs -SR2 for 30K (3\*ITRack)



Rear View

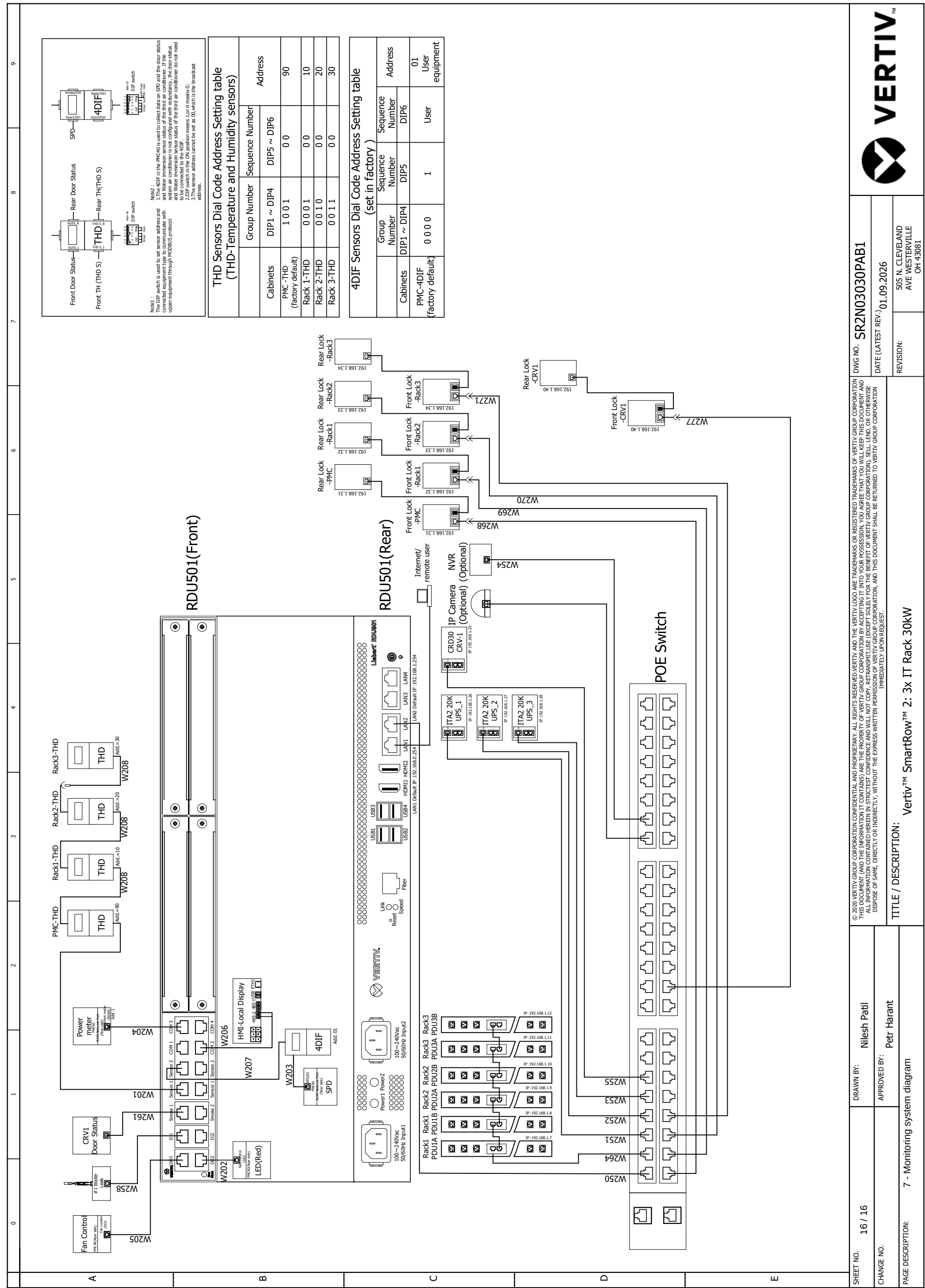
Factory connected cables

Cables connected at assembly

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                              |  |                                                              |                                                                                     |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|--|--------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
| SHEET NO.<br>13 / 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | DRAWN BY:<br>Nilesh Patel                                    |  | DWG NO. SR2N03030PAB1                                        |  | VERTIV™ |
| CHANGE NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | APPROVED BY:<br>Petr Harant                                  |  |                                                              |                                                                                     |         |
| PAGE DESCRIPTION:<br>4.d - THD& Emergency Fan wiring diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | TITLE / DESCRIPTION:<br>Vertiv™ SmartRow™ 2: 3x IT Rack 30kW |  |                                                              |                                                                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                              |  | REVISION:<br>505 N. CLEVELAND<br>AVE WESTERVILLE<br>OH 43081 |                                                                                     |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                              |  | DATE (LATEST REV.) 01.09.2026                                |                                                                                     |         |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                              |  |                                                              |                                                                                     |         |



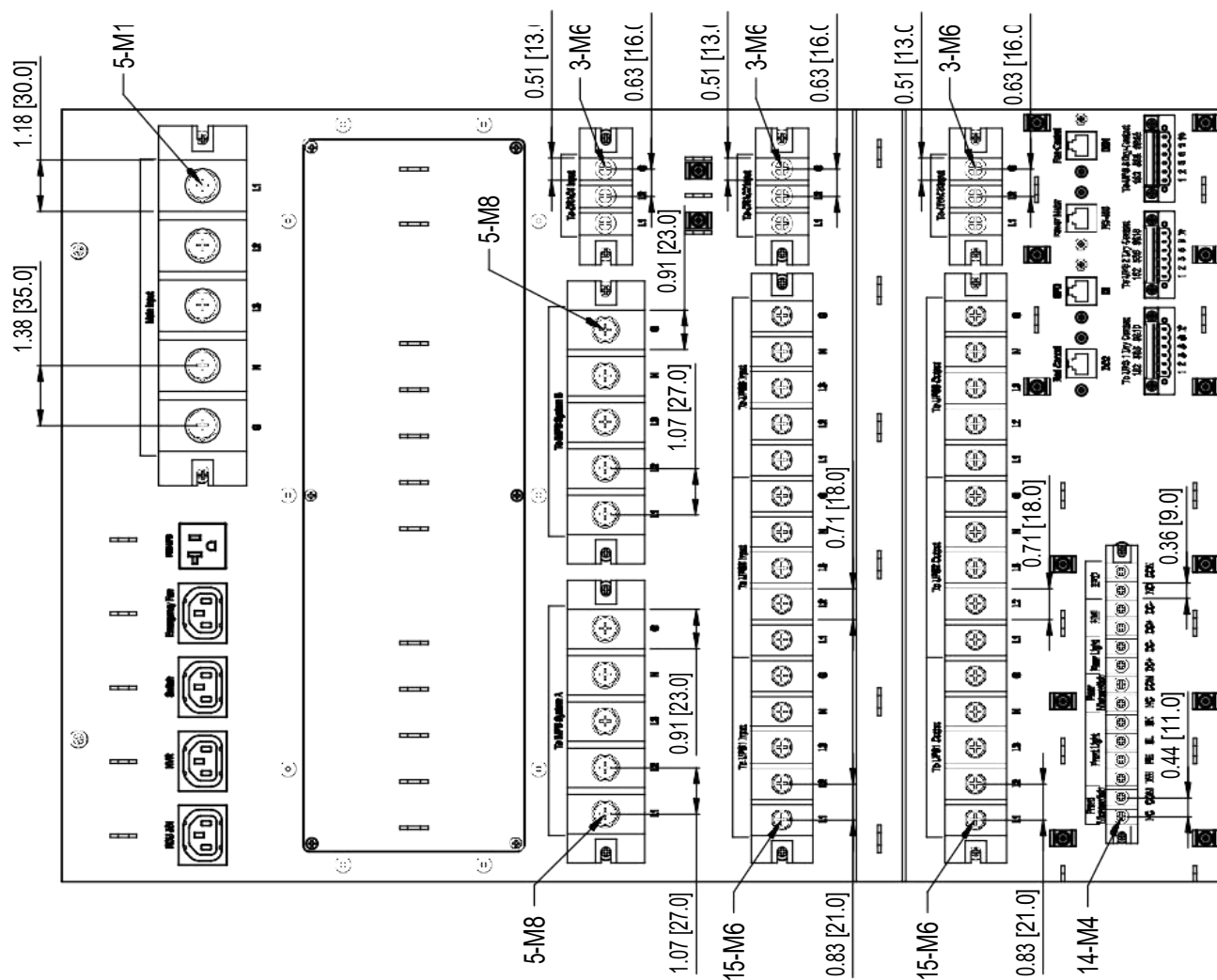
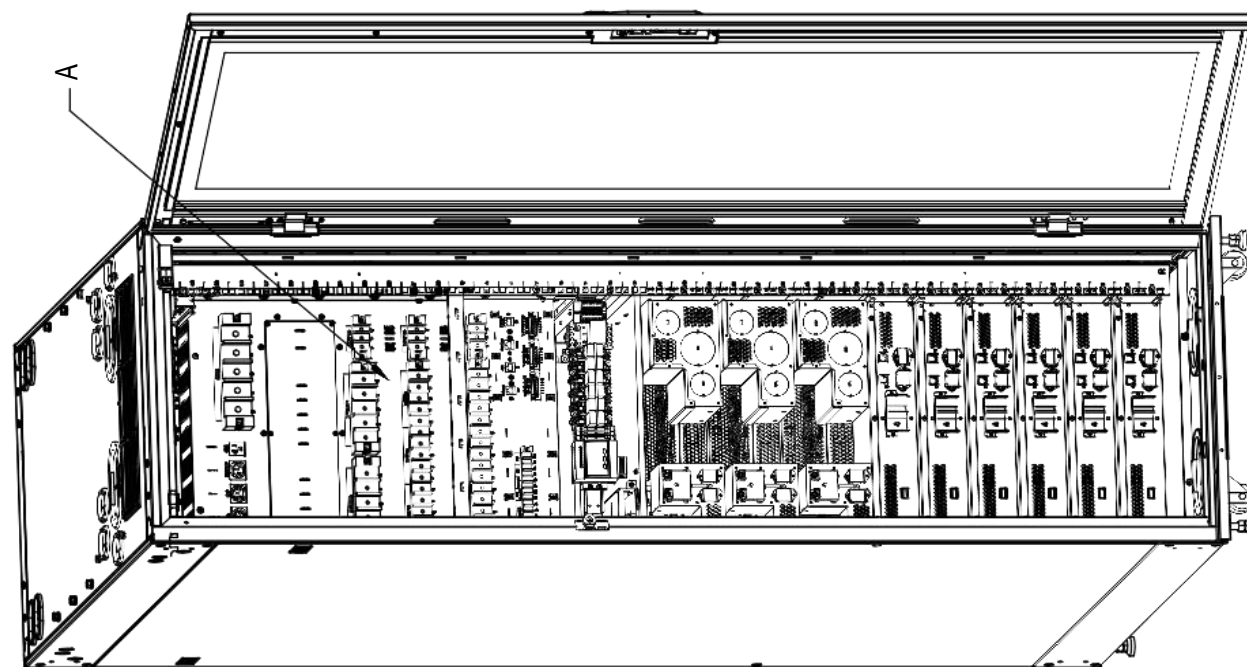




#### 4. Field Supplied Cable & Part List

[illegible]

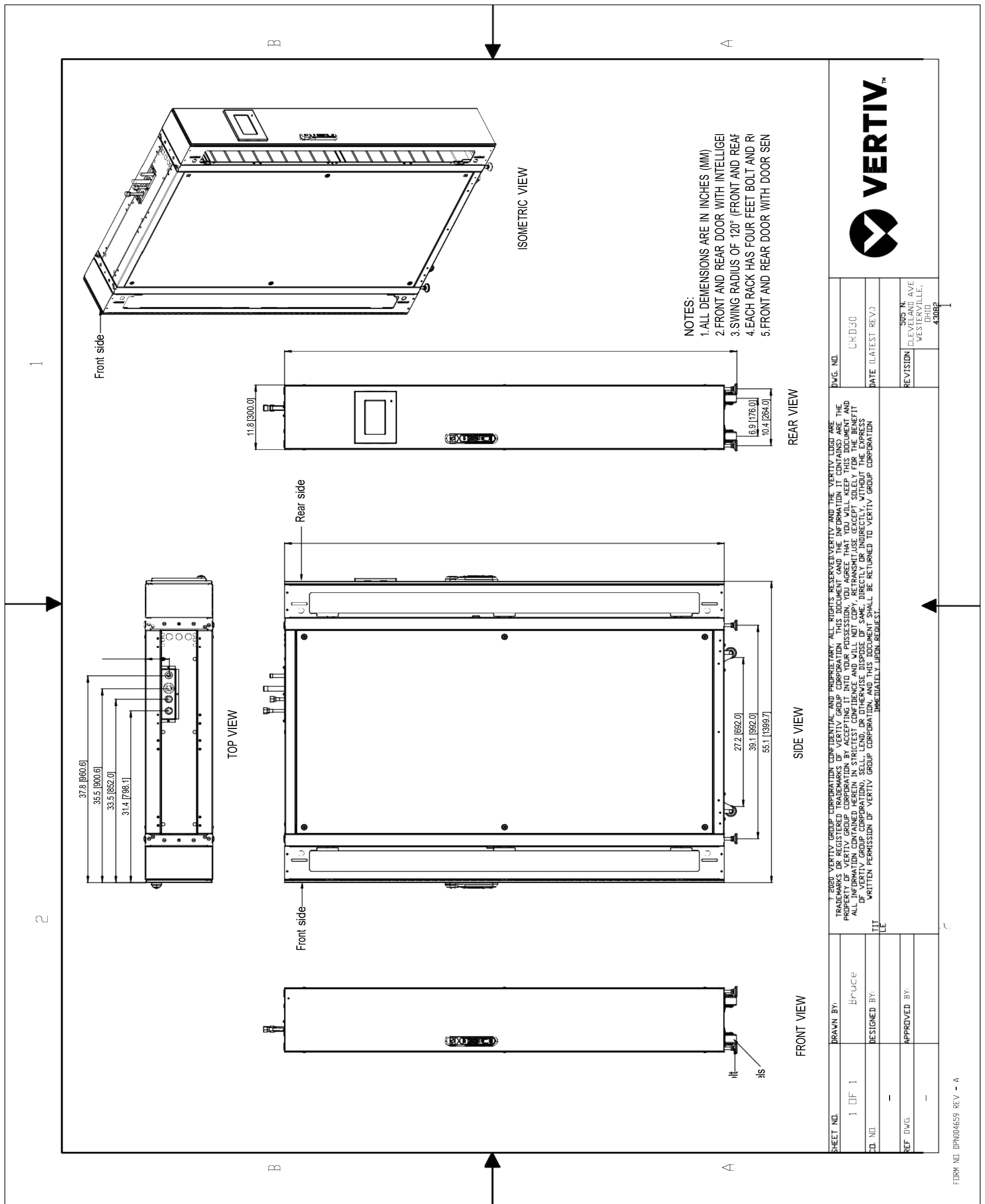
## 6. Power Management Cabinet - 40kW (PMC40)



Detail A  
(PMC40 terminal blocks size)

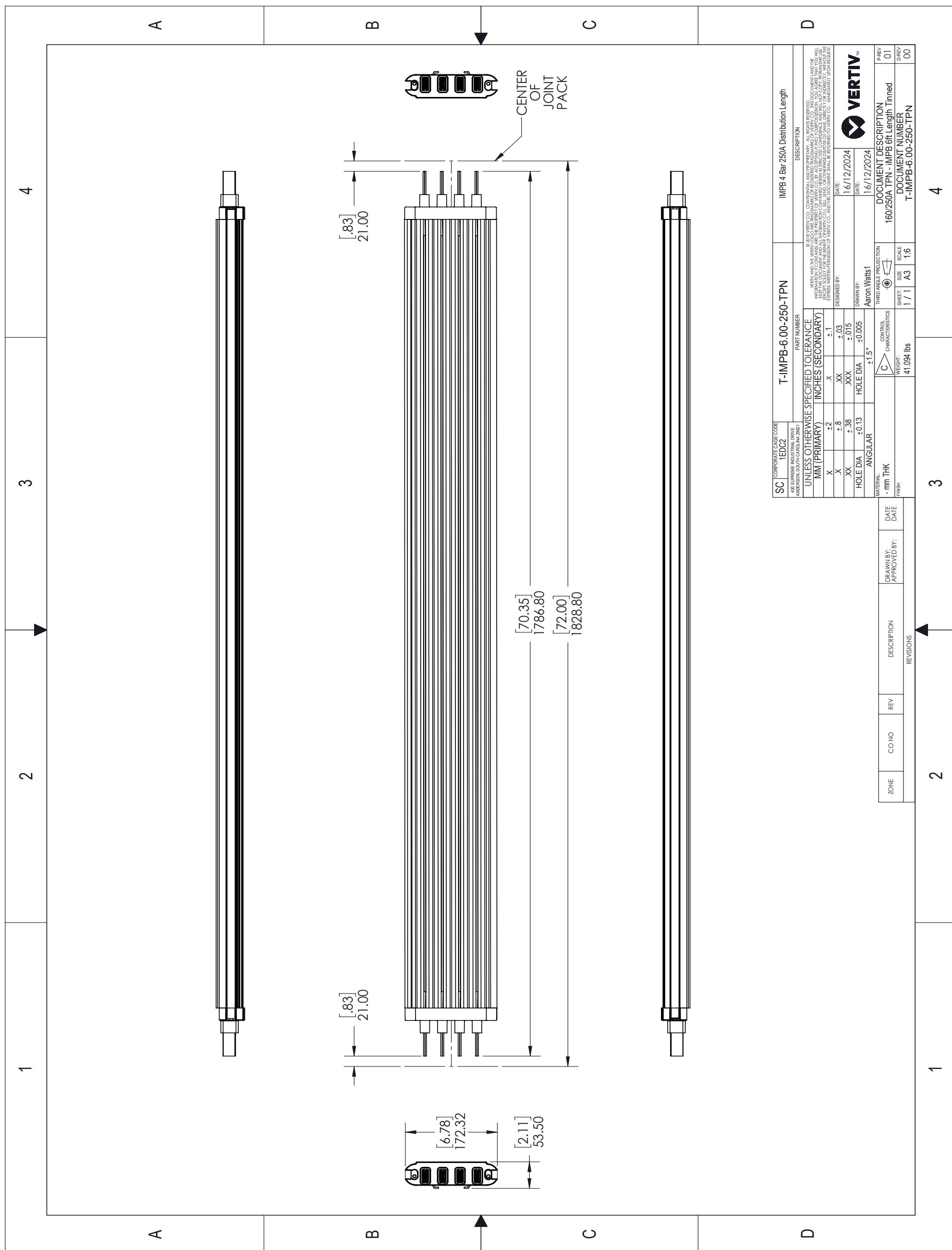
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## 7. CRD30

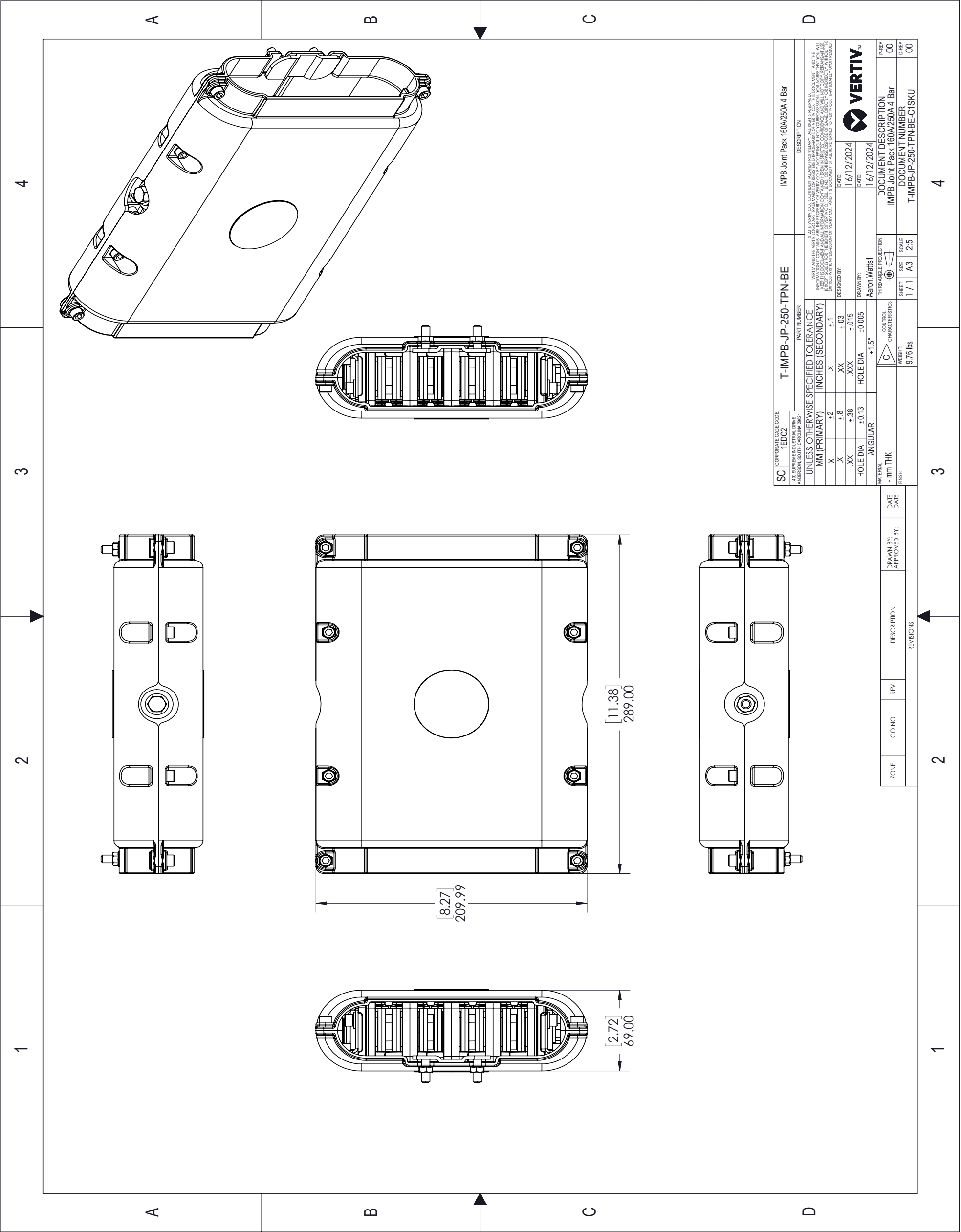


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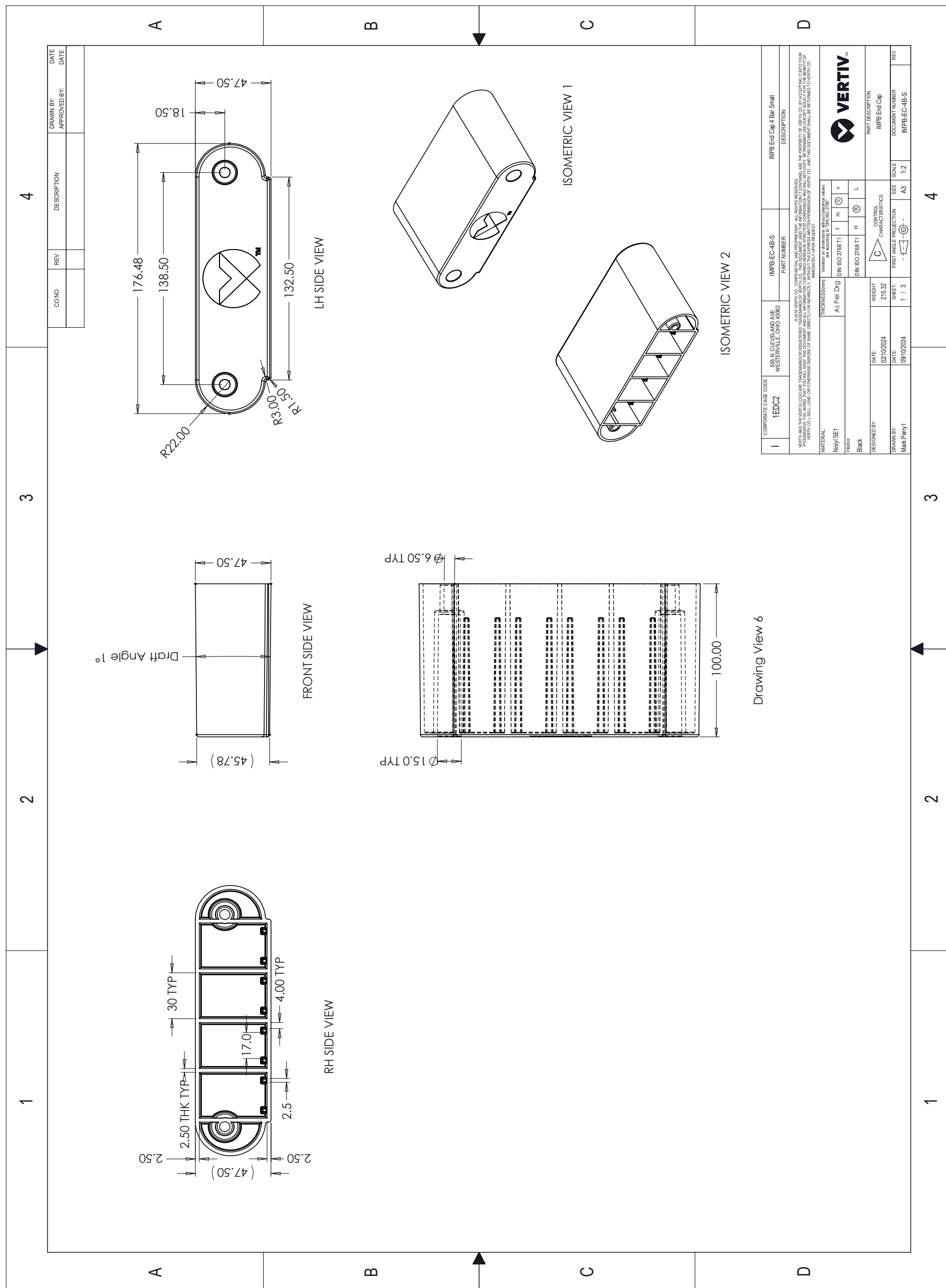
9. IMPB 4 BAR (T-IMPB-6.00-250-TPN-B-C1SKU)



10. JOINT PACK (T-IMPB-JP-250-TPN-BE)



11. END CAP (IMPB-EC-4B-S)



12. ROOF BRACKETS (C1 SKU IMPB-RMB-GA-001)

1 2 3 4

| ITEM NO. | PART NUMBER    | DESCRIPTION                                   | QTY. |
|----------|----------------|-----------------------------------------------|------|
| 1        | IMPB-RMB-001-2 | Rack Mounting Bracket - Top Hat Base          | 1    |
| 2        | IMPB-RMB-002-2 | Rack Mounting Bracket - Busbar Mounting Plate | 2    |
| 3        | IMPB-HB13      | iMPB Vertical Fixing Bracket HB13             | 4    |

A B C D

14.64  
372.00  
15.75  
400.00  
8.94  
226.98  
3.50  
89.00

M10x20 HH BOLT + M10 NUT (QTY 4)  
M6x10 HH BOLT + M6 DOME WASHER (QTY 10)

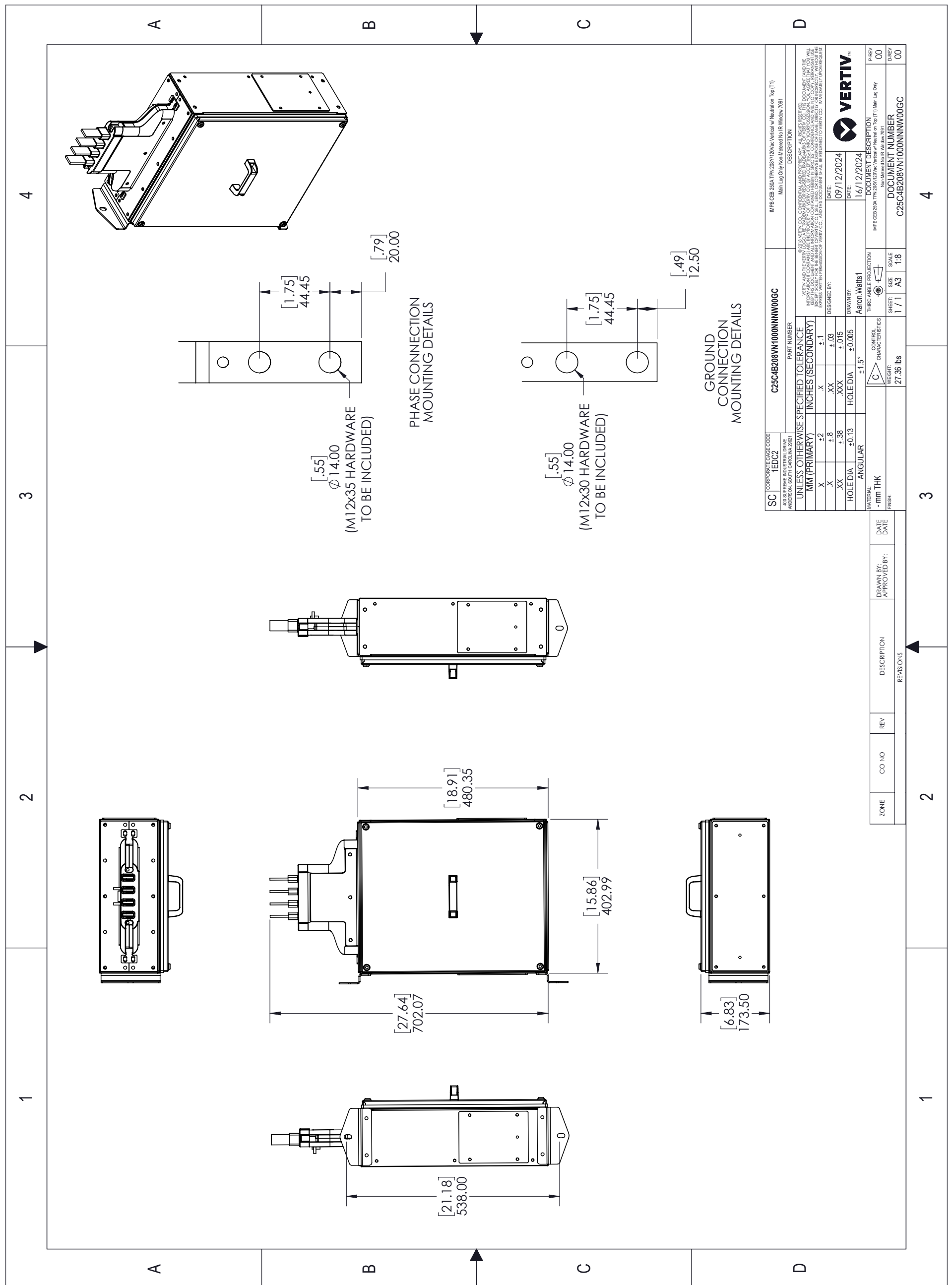
| ZONE | CO NO | REV | DESCRIPTION | DRAWN BY: | DATE |
|------|-------|-----|-------------|-----------|------|
|      |       |     |             |           |      |

| SC                                                                                                                                                                                                                                                                                                                                                                                                        | CORPORATE CAGE CODE | 1EDC2    | 400 SUPREME INDUSTRIAL DRIVE<br>ANDERSON, SOUTH CAROLINA 29621 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|----------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCE                                                                                                                                                                                                                                                                                                                                                                      |                     |          |                                                                |
| MM (PRIMARY)                                                                                                                                                                                                                                                                                                                                                                                              |                     |          |                                                                |
| X                                                                                                                                                                                                                                                                                                                                                                                                         | +2                  | X        | +1                                                             |
| X                                                                                                                                                                                                                                                                                                                                                                                                         | +8                  | XX       | +03                                                            |
| XX                                                                                                                                                                                                                                                                                                                                                                                                        | +38                 | XXX      | +015                                                           |
| HOLE DIA                                                                                                                                                                                                                                                                                                                                                                                                  | +0.13               | HOLE DIA | +0.005                                                         |
| ANGULAR                                                                                                                                                                                                                                                                                                                                                                                                   |                     |          | +1.5°                                                          |
| MATERIAL<br>SEE DETAILS - mm THK                                                                                                                                                                                                                                                                                                                                                                          |                     |          |                                                                |
| FINISH<br>XXX                                                                                                                                                                                                                                                                                                                                                                                             |                     |          |                                                                |
| WEIGHT<br>7.750 lbs                                                                                                                                                                                                                                                                                                                                                                                       |                     |          |                                                                |
| THIRD ANGLE PROJECTION                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |                                                                |
| DRAWN BY:<br>AARON WATTS1                                                                                                                                                                                                                                                                                                                                                                                 |                     |          |                                                                |
| DATE:<br>16/12/2024                                                                                                                                                                                                                                                                                                                                                                                       |                     |          |                                                                |
| DESIGNED BY:<br>16/12/2024                                                                                                                                                                                                                                                                                                                                                                                |                     |          |                                                                |
| DATE:                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |                                                                |
| VERTIV                                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |                                                                |
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| PART NUMBER                                                                                                                                                                                                                                                                                                                                                                                               |                     |          |                                                                |
| C1 SKU IMPB-RMB-GA-001                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |                                                                |
| DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                               |                     |          |                                                                |
| IMPB Roof Mounted Brackets c/w HB13 Hanging Brackets                                                                                                                                                                                                                                                                                                                                                      |                     |          |                                                                |
| DOCUMENT DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                      |                     |          |                                                                |
| IMPB Roof Mounted Brackets c/w HB13 Hanging Brackets                                                                                                                                                                                                                                                                                                                                                      |                     |          |                                                                |
| DOCUMENT NUMBER                                                                                                                                                                                                                                                                                                                                                                                           |                     |          |                                                                |
| C1 SKU IMPB-RMB-GA-001                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |                                                                |
| PREP                                                                                                                                                                                                                                                                                                                                                                                                      |                     |          |                                                                |
| DREV                                                                                                                                                                                                                                                                                                                                                                                                      |                     |          |                                                                |
| 00                                                                                                                                                                                                                                                                                                                                                                                                        |                     |          |                                                                |

1 2 3 4

[illegible]

14. IMPB CEB 250A TPN (C25C4B208VN2000NNNW00GC)



1 2 3 4

A B C D

PHASE CONNECTION MOUNTING DETAILS

GROUND CONNECTION MOUNTING DETAILS

SC 1EDC2 400 SUPRME INDUSTRIAL DRIVE ANDERSON, SOUTH CAROLINA 29621

C25C4B208VN200NNW00GC

IMPB CEB 250A TPN 28V/120Vac Vertical w/ Neutral on Top (T2) Main Lug Only Non-Metered No IR Window 7091

DESCRIPTION

PART NUMBER

UNLESS OTHERWISE SPECIFIED TOLERANCE INCHES (SECONDARY)

MM (PRIMARY)

X ±.2 X ±.1

X ±.8 XX ±.03

XX ±.38 XXX ±.015

HOLE DIA ±0.13 HOLE DIA ±0.005

ANGULAR ±1.5°

THIRD ANGLE PROJECTION

CONTROL CHARACTERISTICS

WEIGHT 27.36 lbs

MATERIAL - mm THK

FINISH

DESIGNED BY: Aaron Watts1

DATE: 09/12/2024

DRAWN BY: 16/12/2024

VERTIV

REVISIONS

| ZONE | CO NO | REV | DESCRIPTION | DRAWN BY: | DATE |
|------|-------|-----|-------------|-----------|------|
| 1    |       |     |             |           |      |
| 2    |       |     |             |           |      |
| 3    |       |     |             |           |      |
| 4    |       |     |             |           |      |

DOCUMENT DESCRIPTION

IMPB CEB 250A TPN 28V/120Vac Vertical w/ Neutral on Top (T2)

DOCUMENT NUMBER

C25C4B208VN200NNW00GC

P-REV 00

D-REV 00

# 16. SCOPE OF WORK

## SMART ROW 2 – ASSEMBLY & START-UP

### SERVICE SUMMARY

| Feature            | Detail                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On-site Service    | One site trip within the 48 contiguous states to start-up the system. Visit to be scheduled by the customer between 8am-5pm, Monday-Friday (excluding 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. Other limits may apply; see Assumption and Clarifications as applicable for more details.

#### 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/downstairs, 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.

#### 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® CRVs

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

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.

#### Fire Suppression Cabinet Assembly (if Applicable)

Vertiv will unpackage the Fire Suppression cabinet so that it is ready for installation.

Position level and bolt together the Fire Suppression cabinet to the adjoining cabinets.

Ensure all the wirings are connected, according to the information available in the submittal documents.

Install the piping in all the other cabinets in accordance with system drawings.

## 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)

## ASSUMPTIONS AND CLARIFICATIONS

- Vertiv will cover one month of storage costs as part of the consolidation service. If the original ship date is changed due to non-Vertiv delays, the customer is liable for any costs associated with the extended storage time.
- Vertiv start-up validates product warranty.
- 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.
- 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 3<sup>rd</sup> 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.)

## 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.

## SCOPE OF WORK

### SMART ROW 2 – FIRE SUPPRESSION

### START-UP & OPTIONAL SERVICES

#### SERVICE SUMMARY

| Feature              | Detail                                                                                                                                                                                                             |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On-site Service      | One site trip within the 48 contiguous states to start-up the system. Visit to be scheduled by the customer between 8am-5pm, Monday-Friday (excluding national holidays).                                          |
| Service Professional | Performed by Vertiv factory-trained and authorized technician equipped with Vertiv Proprietary tools and software. Vertiv CEs and Vertiv Partners are the only approved OEM service providers for Vertiv products. |
| Permitting           | Permits are the responsibility of the customer to see if one is required. Additional fees may apply and can vary based on the customer's location. (see Assumptions and Clarifications).                           |
| Optional services    | Optional system integrity services can be requested by the customer as part of the startup and installation.                                                                                                       |

#### SERVICE PERFORMED

##### Fire Suppression Start-up:

1. Verify that 120V AC circuit has been ran to the fire suppression panel.
2. Verify all the items on the Fire Suppression readiness punch list have been completed and acknowledged.
3. Functionality test all input and output circuits for proper operation.
4. Complete the warranty inspection of the system.
5. Provide training to the customer on the operation of the Fire Suppression system.

##### Door Fan Test (if applicable):

1. Conduct a door fan test with the standardized Fan test system.
2. Measure the pressure retention rate and calculate the amount of air flowing through the Door fan.
3. Determine the total size of the air leaks (if any).
4. Provide the customer with the pressure test report.

##### Discharge Test (if applicable):

1. Replace the system cylinder with the Proinert test cylinder provided by the manufacturer.
2. Conduct a discharge test on the system.
3. Ensure that the oxygen level falls below 15% and maintains that level for a minimum of 10 minutes.
4. Place the system cylinder back into place and arm the system.
5. Provide the customer with a discharge test report.

#### 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 10 business days in advance of need by contacting the Vertiv Customer Resolution Center at 1-800-543-2378.
- Site Access: Prior to time of scheduled work, provide site access including any customer required escort, security clearance, safety training and badging for Vertiv service personnel.
- Equipment Access: Convenient access to the equipment covered by the Scope of Work. Prior to scheduled time of work, notify Vertiv service 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 service personnel 24-hours prior to scheduled event.

## ASSUMPTIONS AND CLARIFICATIONS

- Assembly: The assembly of the Fire Suppression cabinet is included in the SmartRow2.
- Punch list: This document confirms system readiness and must be completed before startup. It is included in the submittal package.
- Permitting: The customer is responsible for any permits (if required), as it falls outside the original scope. While the process can be facilitated, the customer will be responsible for all permitting costs, including any optional services listed above.
- Maintenance: Per NFPA 2001, the FIKE Proinert IG-55 SHP Pro suppression system protecting the SmartRow2 shall be inspected on a semi-annual basis. These inspections are not only important in ensuring the included clean agent system is functionally operational but are necessary to qualify for any manufacturer warranties. Per the manufacturer's warranty guidelines, the equipment must be maintained on a semi-annual frequency by an authorized FIKE distributor commencing with the date of Startup.
- Optional Integrity testing: Manufacturer intends to provide both the integrity test services (Door fan test and Discharge test) at the customer's facility either directly or through a local Fike distributor. This pricing includes the necessary labor, equipment, and materials to complete this testing.
- Manufacturer does not guarantee a passing test after the system has been handed over to the customer and is not responsible for the patching and sealing of the enclosure if the cable and CRV penetrations have not been sealed.

## 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.



SmartRow 2

Scope of Work Checklist

Customer Name: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Number: \_\_\_\_\_

This document is to serve as a checklist to help identify and budget the various work activities involved with assembling and installing a SmartRow 2. It is the customers responsibility to ensure all tasks are assigned to partners which will result in a successful SmartRow 2 project.

**Contact Vertiv for available local support resources to provide technical guidance as needed. Call 800 543-2378**

The **X** indicates the responsible party for that task. Multiple **X**'s indicate shared responsibility.

This document is provided as a reference document and does not replace any product manuals or supporting documentation. Always read all product documentation before performing any work.

Customer (Name) *includes responsibility for Mechanical, Electrical, and/or General Contractors as needed :* \_\_\_\_\_

Project Management: \_\_\_\_\_

Assembly Team Lead: \_\_\_\_\_

Consolidator: \_\_\_\_\_

Vertiv Warranty Inspection Tech: \_\_\_\_\_

Vertiv Sales Rep (LVO): \_\_\_\_\_

|      | Customer                                     | Local Vertiv Sales Rep | Project Management       | Assembly Team            | Consolidator / Inside Delivery | Flagship/FIKE Rep        | Vertiv Warranty Inspection Tech | Tasks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------|------------------------|--------------------------|--------------------------|--------------------------------|--------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Pre-Sale Activities                          |                        |                          |                          |                                |                          |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1,01 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Perform / arrange Site Visit to qualify deployment. Add any incremental site-specific Tasks in Section 6 of this checklist.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1,02 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Assess whether the building has enough power available to support the SmartRow 2 and heat rejection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1,03 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Advise if a floor loading analysis should be conducted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1,04 | <input type="checkbox"/>                     | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Ensure the customer understands and adheres to the minimum and maximum SmartRow 2 heat load and rack density limits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1,05 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Assess if a crane will be required to locate the heat rejection on a roof and plan accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1,06 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | If a freight elevator will be used, confirm adequate lifting capacity and dimensional clearances (PMC cabinet is typically the heaviest piece of equipment at 1998mm height, 1400mm depth, 600mm width and up to 1,600 lb weight.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2    | Post Sale, Equipment Pre-Delivery Activities |                        |                          |                          |                                |                          |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2,01 | <input type="checkbox"/>                     | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Ensure every task in this Trade SOW Guide is assigned to at least one responsible party (Marked by X). This guide is specific to the SmartRow 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2,02 | <input type="checkbox"/>                     | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Send a completed copy of this document to all involved parties.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2,03 | <input type="checkbox"/>                     | X                      | X                        | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Ensure all trades receive a current and accurate manual and set of submittals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2,04 | <input type="checkbox"/>                     | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Acknowledge all tasks listed in the Trade SOW Checklist are completed by all the responsible parties.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2,05 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Verify whether permits are necessary for the installation of the Fire Suppression System.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2,06 | X                                            | X                      | X                        | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Asses whether the customer requires any onsite system integrity tests as part of the Fire suppression System Startup activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2,07 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Complete SmartRow 2 Delivery Service (Inside Delivery) checklist and return to factory within 10 days of PO receipt (Document MBFM 7160-10 in submittal packet).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2,08 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Ensure indoor space meets all SmartRow 2 requirements (see SmartRow 2 manual); identify any issues and resolve:<br><sup>(1)</sup> Floor surface must be level and continuous (expansion joints sealed, raised floor tile gaps sealed, no floor drains, etc).<br><sup>(2)</sup> Mezzanine/roof can support outdoor heat rejection (if applicable)<br><sup>(3)</sup> Adequate service, egress and electrical clearances (see submittal packet)<br><sup>(4)</sup> Room containing SmartRow 2 maintained year-round within 0°C – 40°C.<br><sup>(5)</sup> The room and floor must be clean and free of debris.<br><sup>(6)</sup> Ensure there is at least 24 inches clearance above the rack top plates<br><sup>(7)</sup> Ensure no part of the SmartRow 2 will be closer than 18 inches to a sprinkler head (per NFPA 13) |
| 2,09 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Make sure condenser is within 300 equivalent feet (see cooling equipment manuals for calculation guidance).Outdoor Condenser Installation. Follow Installer/User Guide.<br><sup>(1)</sup> Condenser is bolted, mounted and leveled<br><sup>(2)</sup> Provide and install (2) low voltage twisted pair wires between each indoor cooling unit and outdoor heat rejection (condenser / drycooler) for CANbus communication and dry contact closure.<br><sup>(3)</sup> This includes qty (3) vacuum pulls of the refrigerant lines (oil must be changed in the vacuum pump between each pull, and readings should be 250 microns or less. Provide picture with date/time to confirm)<br><sup>(4)</sup> Refrigerant lines charged with freon<br><sup>(5)</sup> The outdoor piping are wrapped in aluminum and braced      |
| 2,10 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | X                        | X                               | Confirm that the nearest drain for condensate is within the cooling unit's pump head limitations (see cooling equipment manuals).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2,11 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Provide and install utility over-current protection and circuit for each outdoor condenser/drycooler when applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2,12 | X                                            | X                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Provide and install utility over-current protection and circuit for main input row connection in PMC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2,13 | X                                            | X                      | X                        | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Schedule delivery. If new construction, installation is recommended before office furniture is installed but after building construction is completed. Permanent, continuous power must be available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2,14 | <input type="checkbox"/>                     | X                      | X                        | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Schedule Vertiv Cooling System Warranty Inspection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2,15 | <input type="checkbox"/>                     | X                      | X                        | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/> | <input type="checkbox"/>        | Schedule Vertiv UPS System Warranty Inspection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|      |                                                                           |                          |                          |                          |                          |                          |                          |                                                                                                                                                                                                                          |
|------|---------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3    | SmartRow 2 Assembly                                                       |                          |                          |                          |                          |                          |                          |                                                                                                                                                                                                                          |
| 3,01 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | Receive shipment(s).                                                                                                                                                                                                     |
| 3,02 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | Bring equipment from truck into room, unpackage and remove debris (included with SmartRow 2 Delivery Service).                                                                                                           |
| 3,03 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | Review equipment for shipping damage (recommended the same party who receives the equipment).                                                                                                                            |
| 3,04 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Assemble, gasket and level PMC unit per submittal package.                                                                                                                                                               |
| 3,05 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Assemble, gasket and level indoor cooling unit(s) per submittal package.                                                                                                                                                 |
| 3,06 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Assemble, gasket and level racks per submittal package.                                                                                                                                                                  |
| 3,07 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Assemble and attach rubber cable grommets.                                                                                                                                                                               |
| 3,08 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Connect door switch wire and rack lighting wire harnesses.                                                                                                                                                               |
| 3,09 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Install cable troughs on top of equipment.                                                                                                                                                                               |
| 3,10 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Neatly connect and route CANbus communication cables and address rack temperature 2T-sensors (set dip switches).                                                                                                         |
| 3,11 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Neatly route the rack temperature 2T temperature probes into position in front of EIA rails.                                                                                                                             |
| 3,12 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Neatly route and connect all Ethernet cables between SmartRow 2 Network vNSA switch, and all UPS and cooling unit Unity monitoring cards, primary rack-PDU RPC2 monitoring cards, and cooling unit teamwork connections. |
| 3,13 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Neatly route and connect all rack-PDU array Ethernet cables.                                                                                                                                                             |
| 4    | SmartRow 2 Installation including the Fire Suppression System             |                          |                          |                          |                          |                          |                          |                                                                                                                                                                                                                          |
| 4,01 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Install PMC to MBC (20KVA) or PMC to UPS (10KVA) interconnect cabling (cables provided with SmartRow 2)                                                                                                                  |
| 4,02 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Install UPS to MBC (20KVA) interconnect cabling (cables provided with SmartRow 2) or Mount POD (Included in SmartRow 2) on UPS (10KVA).                                                                                  |
| 4,03 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | Connect low voltage wires to indoor cooling unit and outdoor heat rejection.                                                                                                                                             |
| 4,04 | <b>X</b>                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Provide and connect condensate drain line to each indoor cooling unit.                                                                                                                                                   |
| 4,05 | <b>X</b>                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Connect utility high voltage building feed to main input in PMC.                                                                                                                                                         |
| 4,06 | <b>X</b>                                                                  | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Ensure the handover document is completed and acknowledged by all responsible parties if startup activities are scheduled at different times.                                                                            |
| 5    | SmartRow 2 Startup                                                        |                          |                          |                          |                          |                          |                          |                                                                                                                                                                                                                          |
| 5,01 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Ensure all rubber cable grommets are installed                                                                                                                                                                           |
| 5,02 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | Cooling system Warranty Inspection.                                                                                                                                                                                      |
| 5,03 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | UPS system Warranty Inspection.                                                                                                                                                                                          |
| 5,04 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | Configure RDU501 Controller                                                                                                                                                                                              |
| 5,05 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Close breakers on rack-PDUs.                                                                                                                                                                                             |
| 5,06 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Perform final SmartRow 2 functional test (Door switches, backup fans, HMI).                                                                                                                                              |
| 5,07 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Clean entire SmartRow 2, inside and outside. When cleaning see-through Plexiglas doors follow instructions in manual to avoid scratching.                                                                                |
| 5,08 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Ensure the SmartRow 2 Startup Form has been completed.                                                                                                                                                                   |
| 6    | Fire Suppression System Start up                                          |                          |                          |                          |                          |                          |                          |                                                                                                                                                                                                                          |
| 6,01 | <b>X</b>                                                                  | <b>X</b>                 | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Ensure all the required parties are present on site for the installation of the Fire Suppression System.                                                                                                                 |
| 6,02 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Position, level and bolt together the Fire suppression cabinet to the rest of the row.                                                                                                                                   |
| 6,03 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Ensure all the wiring is connected, according to the information available in the submittals.                                                                                                                            |
| 6,04 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Install the piping in all the other cabinets.                                                                                                                                                                            |
| 6,05 | <b>X</b>                                                                  | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Ensure the Punch list items are completed and signed by the responsible parties.                                                                                                                                         |
| 6,06 | <b>X</b>                                                                  | <b>X</b>                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Review the closeout document with the information about the pre-test conducted at Flagship.                                                                                                                              |
| 6,07 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Validate the warranty of the Fire supression system.                                                                                                                                                                     |
| 6,08 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Verify that all components are functioning as intended.                                                                                                                                                                  |
| 6,09 | <b>X</b>                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Provide training to the customer on the system.                                                                                                                                                                          |
| 7    | Optional - Fire Suppression System Integrity Test (upon customer request) |                          |                          |                          |                          |                          |                          |                                                                                                                                                                                                                          |
| 7,01 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Conduct a door fan test with the standardized Fan test system.                                                                                                                                                           |
| 7,02 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Measure the pressure retention rate and calculate the amount of air flowing through the Door fan.                                                                                                                        |
| 7,03 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Determine the total size of the air leaks.                                                                                                                                                                               |
| 7,04 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Provide the customer with the pressure test report.                                                                                                                                                                      |
| 7,05 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Replace the system cylinder with the Proinert test cylinder provided by the manufacturer.                                                                                                                                |
| 7,06 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Conduct a discharge test on the system.                                                                                                                                                                                  |
| 7,07 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Ensure that the oxygen level falls below 15% and maintains that level for a minimum of 10 minutes.                                                                                                                       |
| 7,08 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Place the system cylinder back into place and arm the system.                                                                                                                                                            |
| 7,09 | <input type="checkbox"/>                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b>                 | <input type="checkbox"/> | Provide the customer with a discharge test report.                                                                                                                                                                       |