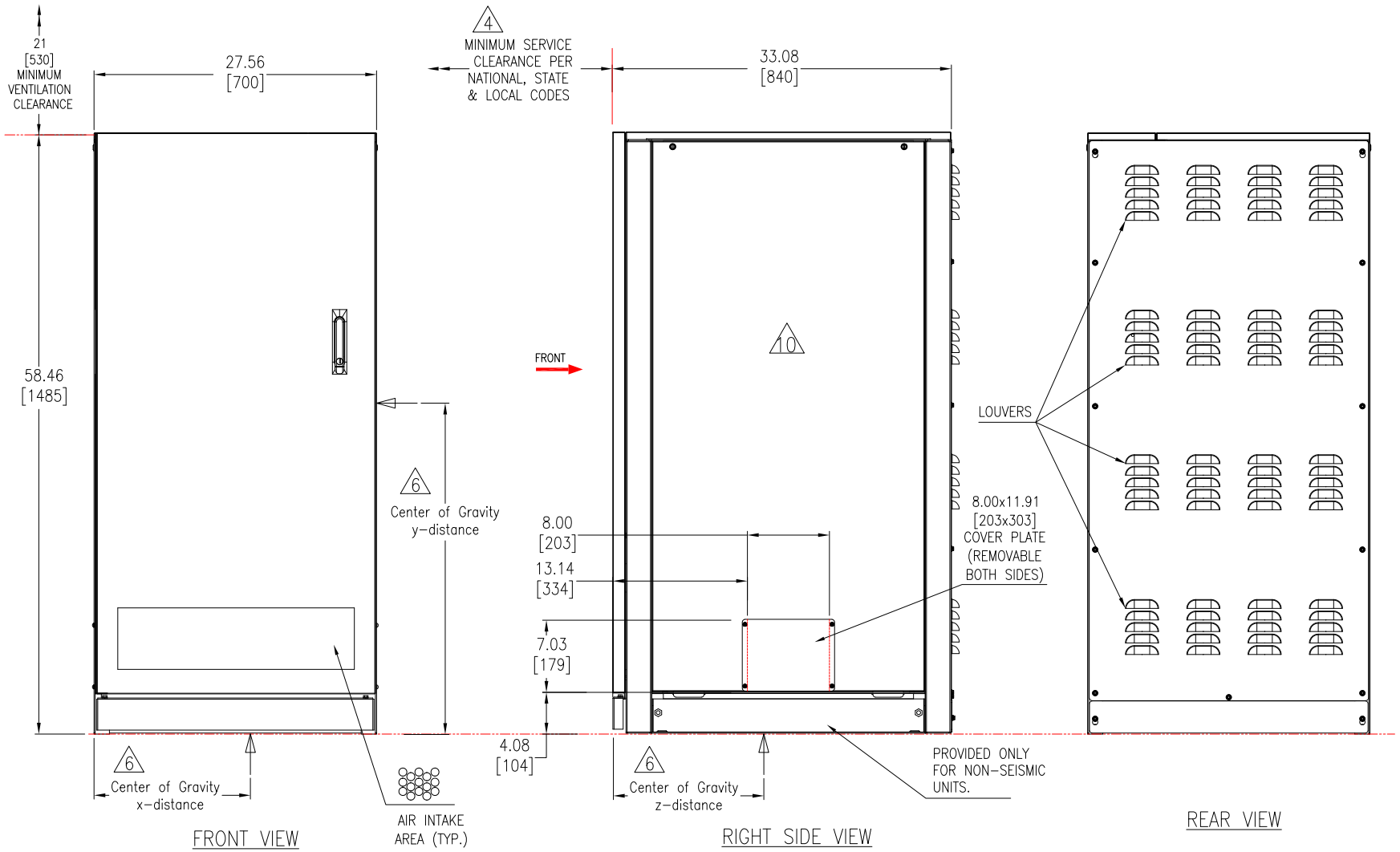



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
△4. ONLY FRONT ACCESS REQUIRED FOR SERVICE. MINIMUM RECOMMENDED FRONT CLEARANCE IS 36.0 [914].
5. CABLE ENTRY IS FROM TOP OR BOTTOM OF THE UNIT.
△6. FOR WEIGHT AND CENTER OF GRAVITY DETAILS REFERS TO TABLE-1.
THIS INFORMATION PROVIDES APPROXIMATE CENTER OF GRAVITY CALCULATION.
7. OPERATING TEMPERATURE: 32°F TO 104°F [0°C TO 40°C]. RECOMMENDED TEMPERATURE AT 77°F[25°C].
8. DOOR OPENS 110°.
9. COLOR: RAL 9003, GLOSS LEVEL 85%.
△10. ALL CABINETS SHIPPED WITH SIDE PANELS.
11. REMOVABLE COVER PLATE USED FOR ADJACENT CABLE CONNECTIONS TO UPS CABINET.

△6 TABLE-1

| Non-Seismic Unit - CENTER OF GRAVITY AND WEIGHT DETAILS | | | | |
|---|---|---|---|---|
| SKU | Center of Gravity in Inches [mm] | | | Weight lbs [kg] |
| | X-Distance | Y-Distance | Z-Distance | |
| GVSCBT1 | 11.3 [288] | 28.6 [726] | 13.5 [343] | 1261 [573] |



Schneider Electric

TITLE: GALAXY VS
BATTERY CABINET UL TYPE-1
Input:384Vdc
Output:384Vdc
GENERAL ARRANGEMENT

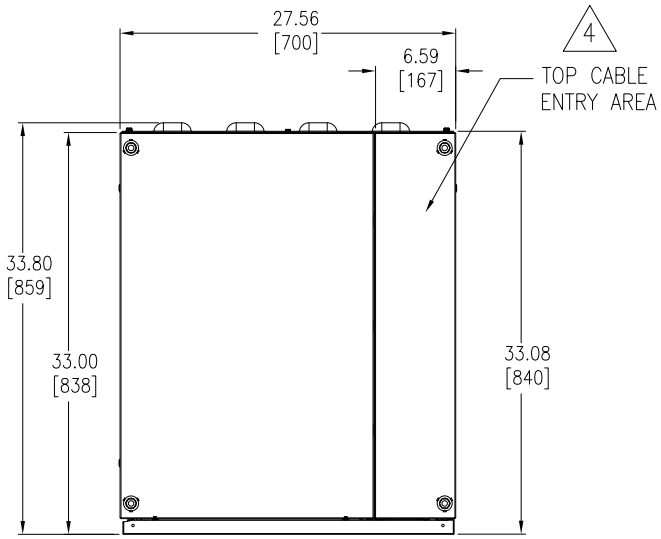
PROJECT: SUBMITTAL DRAWING | SHEET 1 OF 7

DWG NO: GVSCBT1 | REV. 1

| | | |
|---|---|---|
| DRAWN BY: | JAYAPRAKASH | 07-JUN-21 |
| ENGINEER: | SYED BASHA | 07-JUN-21 |
| APPROVED BY: | SYED BASHA | 07-JUN-21 |

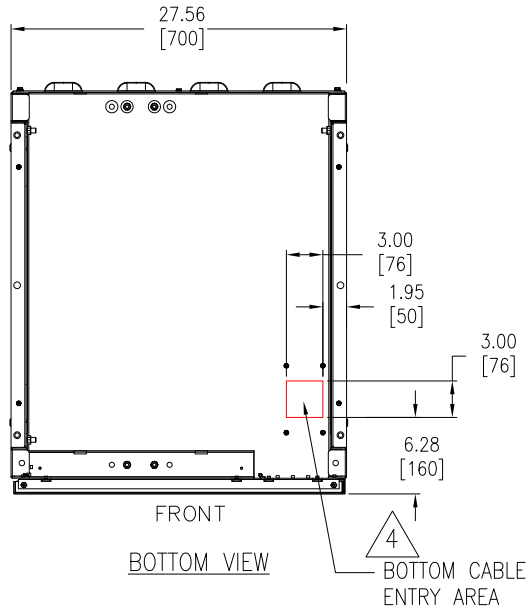
THIRD ANGLE PROJECTION

## TOP ENTRY CONDUIT LOCATION

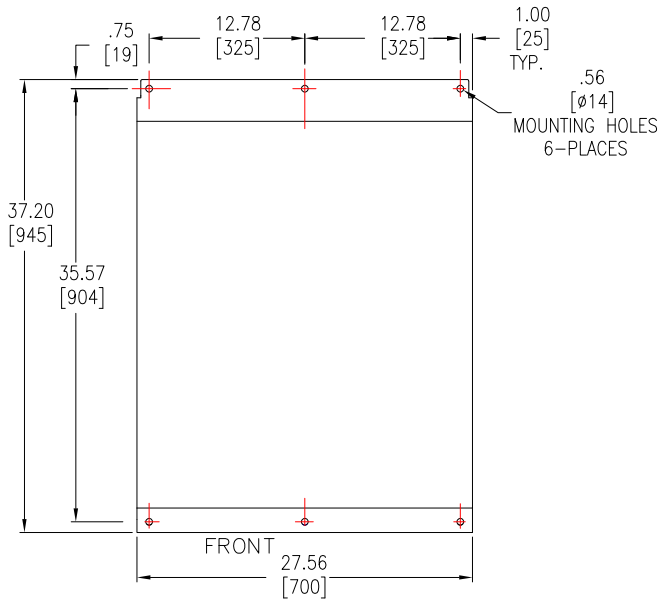



TOP VIEW

## BOTTOM ENTRY CONDUIT LOCATION




BOTTOM VIEW




ANCHORING DETAILS
(LOOKING FROM TOP)

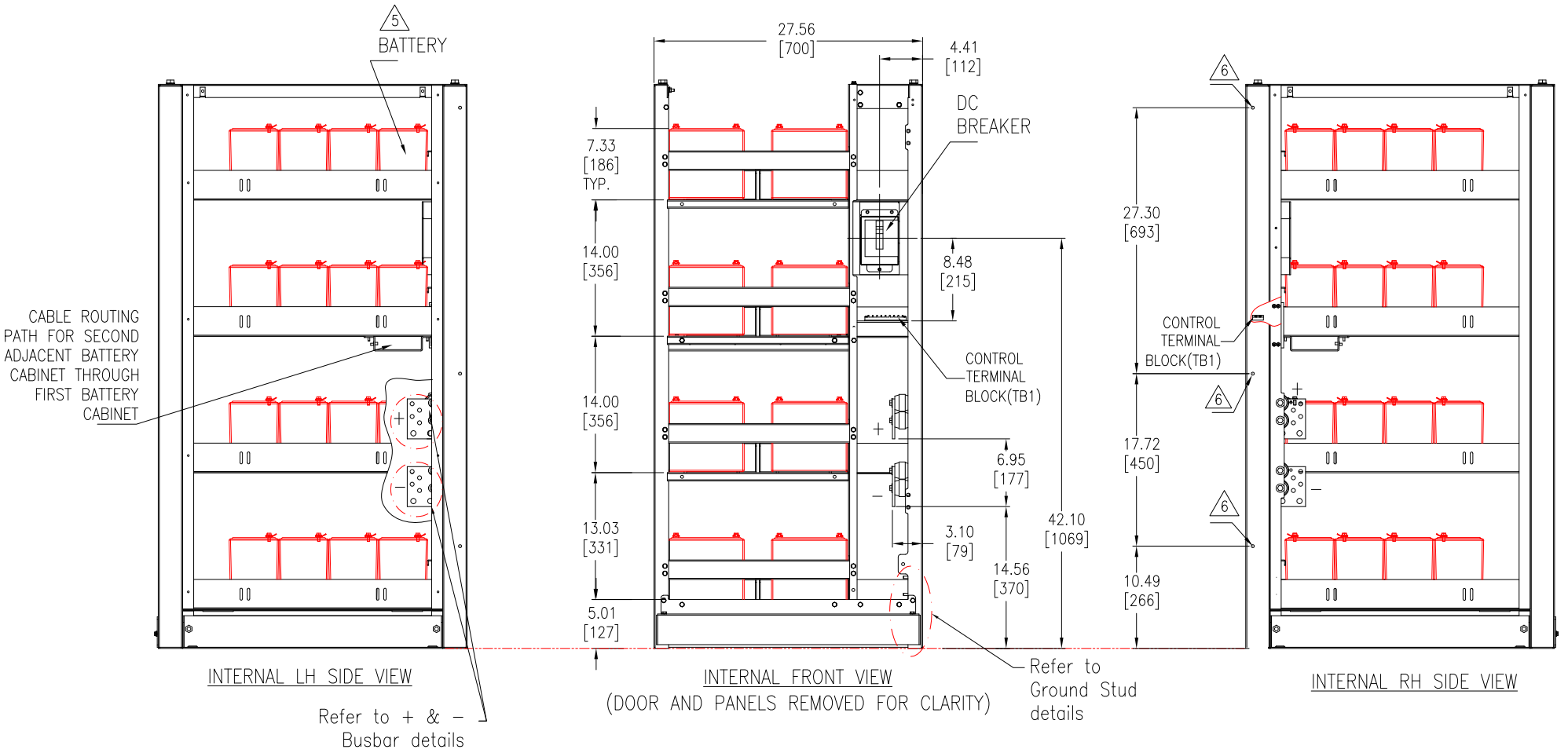
NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
△4. DRILL/PUNCH HOLES IN PLATE AS PER REQUIREMENT.
REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.



Schneider Electric

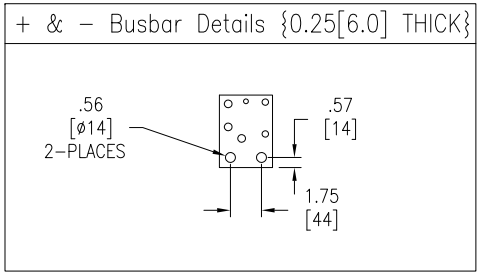
| | | | |
|---|---|---|---|
| TITLE: | GALAXY VS BATTERY CABINET UL TYPE-1 Input:384Vdc Output:384Vdc TOP & BOTTOM VIEW, ANCHORING DETAILS | DWG NO: | GVSCBT1 REV. 1 |
| PROJECT: SUBMITTAL DRAWING | SHEET 2 OF 7 | DRAWN BY: JAYAPRAKASH | 07-JUN-21 |
| | | ENGINEER: SYED BASHA | 07-JUN-21 |
| | | APPROVED BY: SYED BASHA | 07-JUN-21 |

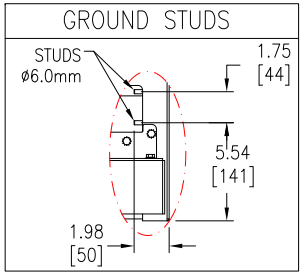
THIRD ANGLE PROJECTION




**TORQUE SPECIFICATIONS**

| | |
|---|---|
| M6 | 5.0Nm (3.60lb-ft) |
| M8 | 17.5Nm (12.91lb-ft) |
| M10 | 30.0Nm (22.0lb-ft) |
| M12 | 50.0Nm (36.87lb-ft) |




NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. FOR BATTERY INTERFACE DETAILS REFER TO UPS INSTALLATION MANUAL.
△5. BATTERY ARRANGEMENT SHOWN ABOVE IS TYPICAL.
△6. FOR ADJACENT BATTERY CABINET FRAME CONNECTION TO UPS: REMOVE LEFT SIDE PANEL AND PLATE FROM UPS. REMOVE KNOCKOUTS (THREE PLACES) ON RIGHT FRONT SIDE OF BATTERY CABINET FRAME. PLACE BATTERY CABINET NEXT TO UPS. LINE UP HOLES AND SECURE WITH M6 HARDWARE INCLUDED WITH BATTERY CABINET.

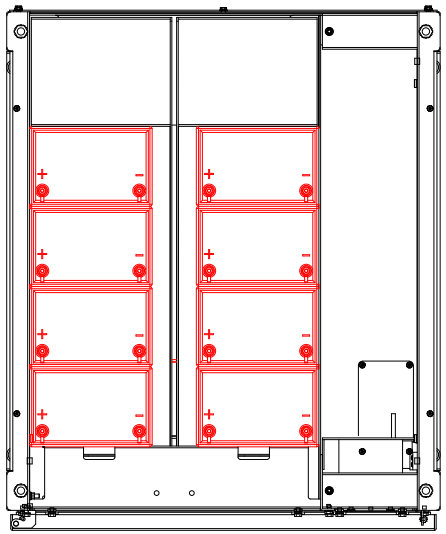


Schneider Electric

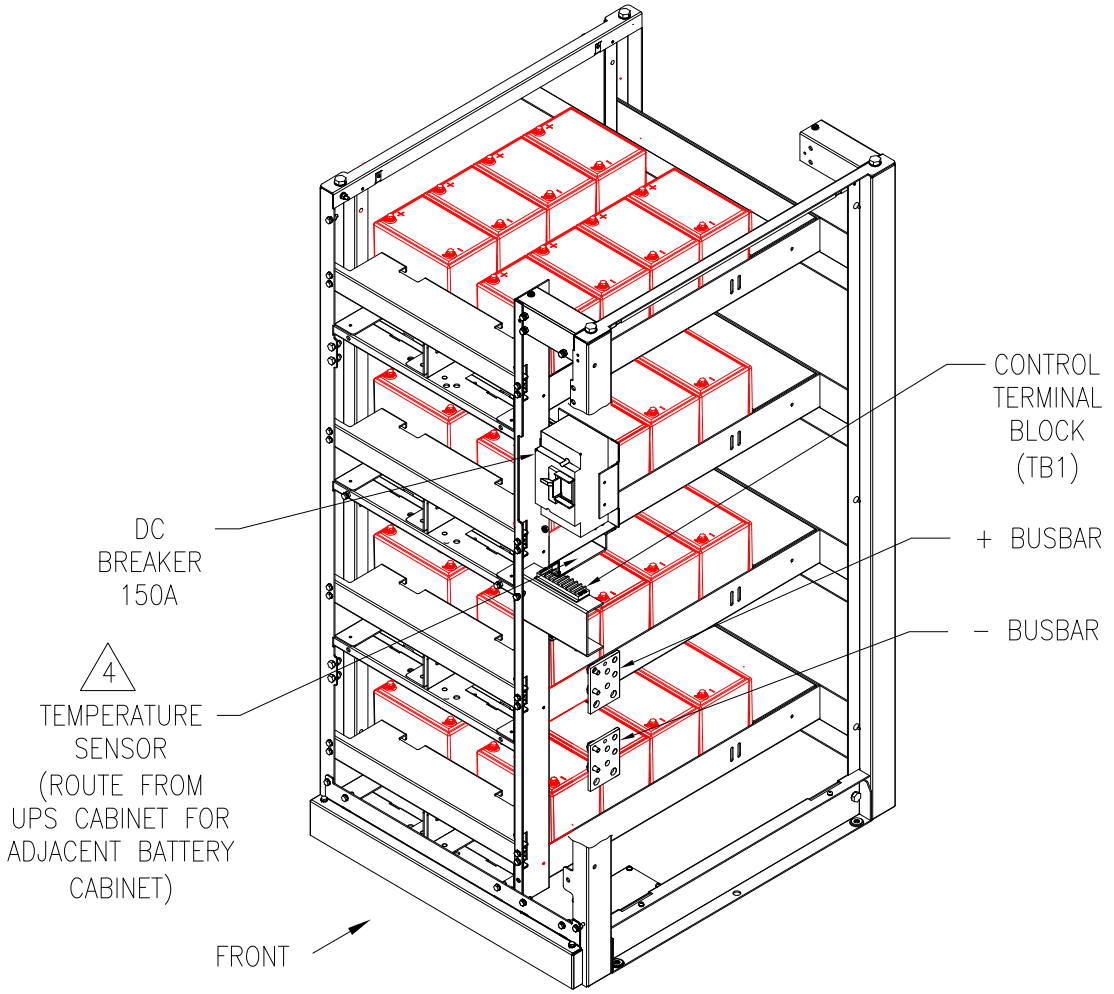
TITLE: GALAXY VS BATTERY CABINET UL TYPE-1 Input:384Vdc Output:384Vdc INTERNAL VIEW

PROJECT: SUBMITTAL DRAWING | SHEET 3 OF 7

| | | | |
|---|---|---|---|
| DWG NO: | GVSCBT1 | | REV. 0 |
| DRAWN BY: | JAYAPRAKASH | 28-MAR-19 | THIRD ANGLE PROJECTION |
| ENGINEER: | I KENNEDY/ J SMITH | 28-MAR-19 | |
| APPROVED BY: | IRENE KENNEDY | 28-MAR-19 | |



SECTIONAL VIEW A–A
TOP VIEW
(BATTERY SHOWN FOR REFERENCE)




INTERNAL ISOMETRIC VIEW
(FRAME CUT AND SHOWN FOR CONVENIENCE)

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. FOR CONNECTION DETAILS REFER TO UPS INSTALLATION MANUAL.
△4. THE TEMPERATURE SENSOR IS SUPPLIED IN THE UPS CABINET.
FOR ADJACENT BATTERY CABINET, CONNECT IN THE UPS, ROUTE AND MOUNT SENSOR WHERE SHOWN IN THE BATTERY CABINET.
FOR REMOTE BATTERY CABINET, CONNECT TO TERMINAL BLOCK IN BATTERY CABINET. CONNECTION FROM BATTERY TO UPS NOT PROVIDED. REFER TO SHEET–6 FOR CONNECTION DETAILS.
5. REMOVABLE PAD–LOCK PROVIDED FOR DC BREAKER.



Schneider Electric

| | | | |
|---|---|---|---|
| TITLE: | GALAXY VS BATTERY CABINET UL TYPE–1 Input:384Vdc Output:384Vdc INTERNAL DETAILS | DWG NO: | GVSCBT1 REV. 0 |
| PROJECT: | SUBMITTAL DRAWING | DRAWN BY: | JAYAPRAKASH 10–JAN–19 |
| SHEET | 4 OF 7 | ENGINEER: | I KENNEDY/ J SMITH 10–JAN–19 |
| | | APPROVED BY: | IRENE KENNEDY 10–JAN–19 |
| | | | THIRD ANGLE PROJECTION |

| BATTERY RUNTIMES (minutes) at Full Load (calculated) | | | | Classic Battery Cabinets | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 1x GVSCBT1 | | | 2x GVSCBT1 | | |
| | | | | 28" / 700mm Wide | | | 2x 28" / 700mm Wide | | |
| | | | | 32 Batteries (Leoch:XP12-150FR) | | | 32 Batteries (Leoch:XP12-150FR) | | |
| | | | UPS SKU | PF 0.8 | PF 0.9 | PF 1 | PF 0.8 | PF 0.9 | PF 1 |
| GALAXY VS (1 PM) | 480V | 20kW | GVSUPS20KGS | 30.5 | 26.5 | 23.0 | 70.5 | 62.0 | 54.5 |
| | | 30kW | GVSUPS30KGS | 18.0 | 15.5 | 13.5 | 43.5 | 38.0 | 33.5 |
| | | 40kW | GVSUPS40KGS | 12.0 | 10.5 | 9.0 | 30.5 | 26.5 | 23.0 |
| | | 50kW | GVSUPS50KGS | N/A | N/A | N/A | N/A | N/A | N/A |
| GALAXY VS (2 PM) | 480V | 60kW | GVSUPS60KGS | N/A | N/A | N/A | N/A | N/A | N/A |
| | | 80kW | GVSUPS80KGS | N/A | N/A | N/A | N/A | N/A | N/A |
| | | 100kW | GVSUPS100KGS | N/A | N/A | N/A | N/A | N/A | N/A |
| GALAXY VS (1 PM) | 208V | 10kW | GVSUPS10KFS | 70.0 | 61.0 | 54.0 | 155.0 | 135.0 | 120.0 |
| | | 15kW | GVSUPS15KFS | 43.0 | 37.5 | 33.0 | 98.5 | 86.5 | 76.0 |
| | | 20kW | GVSUPS20KFS | 30.0 | 26.0 | 23.0 | 70.0 | 61.5 | 54.0 |
| | | 25kW | GVSUPS25KFS | 23.0 | 19.5 | 17.0 | 54.0 | 46.5 | 41.0 |
| GALAXY VS (2 PM) | 208V | 30kW | GVSUPS30KFS | 18.0 | 15.5 | 13.0 | 43.5 | 37.5 | 33.0 |
| | | 40kW | GVSUPS40KFS | 12.0 | 10.0 | 8.9 | 30.5 | 26.0 | 23.0 |
| | | 50kW | GVSUPS50KFS | 8.9 | 7.4 | 6.2 | 23.0 | 19.5 | 17.0 |

NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.



Schneider Electric

TITLE: GALAXY VS BATTERY CABINET UL TYPE-1 Input:384Vdc Output:384Vdc RUNTIME DATA & SPECIFICATION

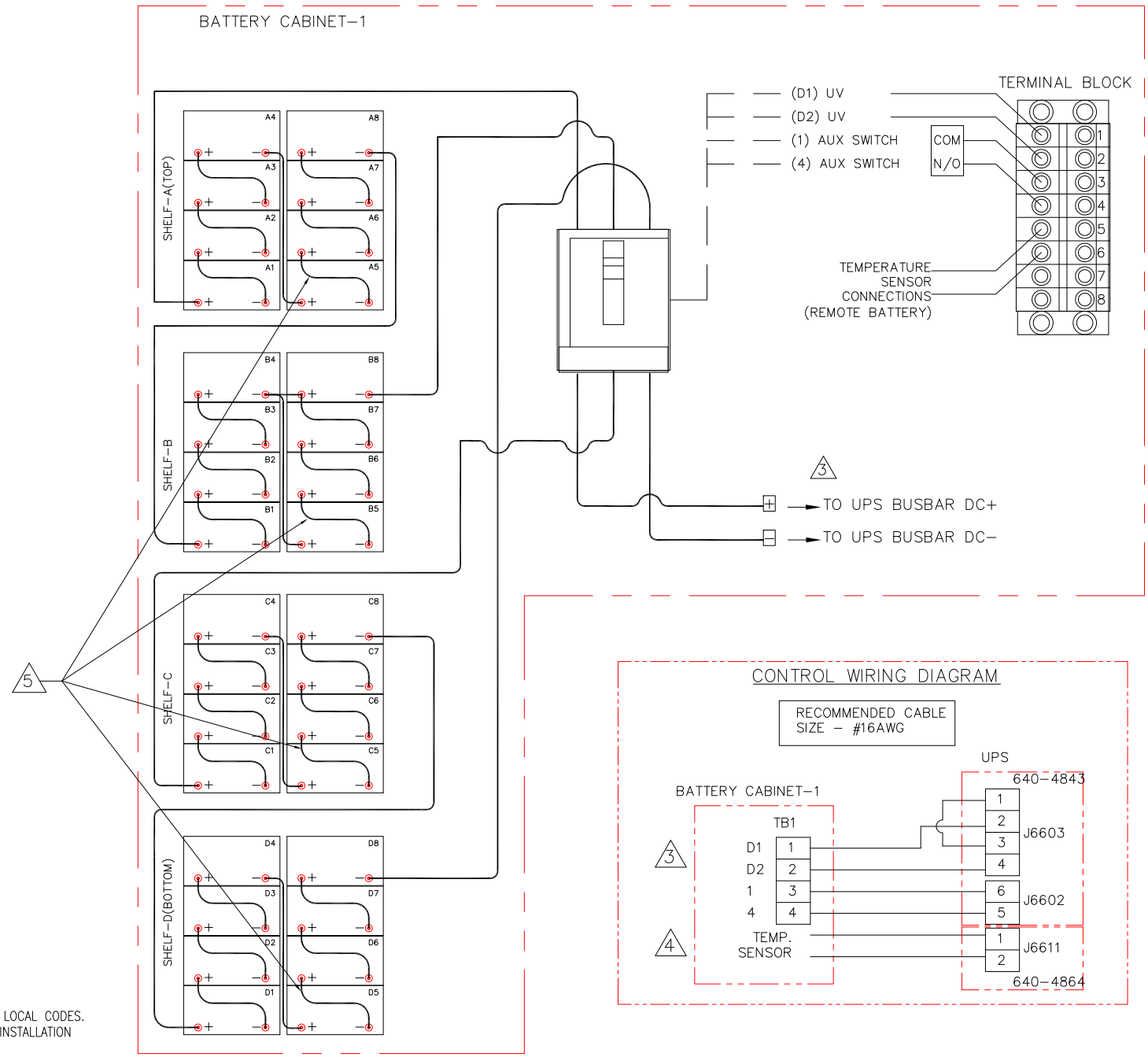
PROJECT: SUBMITTAL DRAWING | SHEET 5 OF 7

DWG NO: GVSCBT1 | REV. 2

| | | |
|---|---|---|
| DRAWN BY: | JAYAPRAKASH | 07-JUN-21 |
| ENGINEER: | SYED BASHA | 07-JUN-21 |
| APPROVED BY: | SYED BASHA | 07-JUN-21 |

THIRD ANGLE PROJECTION

# TYPICAL CABLING DIAGRAM (ONE CABINET)




## CONTROL WIRING DIAGRAM




NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
△3. POWER AND CONTROL CABLES ARE PROVIDED. FOR USE ONLY WITH ADJACENT BATTERY CABINET INSTALLATION ON LEFT SIDE OF UPS CABINET.
△4. TEMPERATURE SENSOR OM–1160 IS SUPPLIED IN THE UPS CABINET.
△5. STRING DISCONNECT CABLES ARE REMOVED FROM EACH SHELF PRIOR TO SHIPMENT. RE–CONNECT PRIOR TO CABINET INSTALLATION. TORQUE CABLES TO BATTERY MANUFACTURER'S SPECIFICATION.

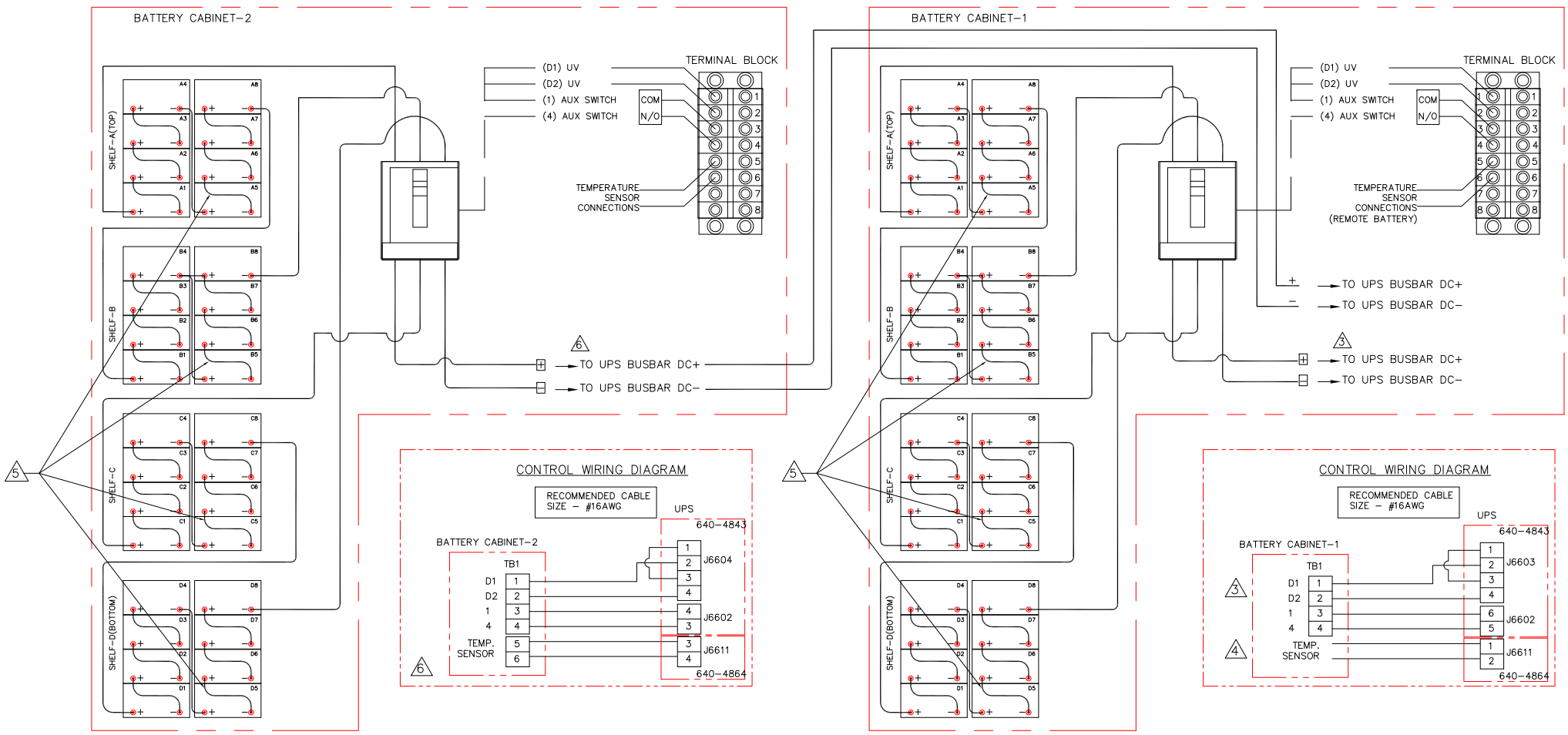


Schneider Electric

| | | | |
|---|---|---|---|
| TITLE: GALAXY VS BATTERY CABINET UL TYPE–1 Input:384Vdc Output:384Vdc CABLING DETAILS–1 | | DWG NO: GVSCBT1 | REV. 2 |
| | | DRAWN BY: JAYAPRAKASH | 30–MAY–19 |
| | | ENGINEER: I KENNEDY/ J SIMTH | 30–MAY–19 |
| PROJECT: SUBMITTAL DRAWING | SHEET 6 OF 7 | APPROVED BY: IRENE KENNEDY | 30–MAY–19 |

THIRD ANGLE PROJECTION

# TYPICAL CABLING DIAGRAM (TWO CABINETS)




NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
△3. POWER AND CONTROL CABLES ARE PROVIDED. FOR USE ONLY WITH ADJACENT BATTERY CABINET INSTALLATION ON LEFT SIDE OF UPS CABINET.
△4. TEMPERATURE SENSOR 0M–1160 IS SUPPLIED IN THE UPS CABINET.
△5. STRING DISCONNECT CABLES ARE REMOVED FROM EACH SHELF PRIOR TO SHIPMENT. RE–CONNECT PRIOR TO CABINET INSTALLATION. TORQUE CABLES TO BATTERY MANUFACTURER'S SPECIFICATION.
△6. ADJACENT BATTERY CABINET–2 INSTALLATION REQUIRES OPTIONAL CABLE KIT "GVSOPT011" FOR CONNECTION TO UPS. DISCARD PRE–INSTALLED POWER AND COMMUNICATION CABLES. ADDITIONAL TEMPERATURE SENSOR 0J–0M–1160 REQUIRED.
7. BATTERY CABINET–1 AND BATTERY CABINET–2 EACH CONNECT DIRECTLY TO THE UPS CABINET. NO DAISY CHAIN CONNECTIONS BETWEEN BATTERY CABINETS.
8. REMOTE BATTERY CABLES PROVIDED BY OTHERS.



Schneider Electric

| | |
|---|---|
| TITLE: | GALAXY VS<br>BATTERY CABINET UL TYPE–1<br>Input:384Vdc<br>Output:384Vdc<br>CABLING DETAILS–2 |
| PROJECT: | SUBMITTAL DRAWING |
| SHEET | 7 OF 7 |
| DWG NO: | GVSCBT1 |
| REV. | 2 |
| DRAWN BY: | JAYAPRAKASH 30–MAY–19 |
| ENGINEER: | I KENNEDY/ J SMITH 30–MAY–19 |
| APPROVED BY: | IRENE KENNEDY 30–MAY–19 |
| | THIRD ANGLE PROJECTION |