

DETAIL-A
(CONDUIT BOX)

NOTES:

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
- REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
- ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
- CLEARANCE DIMENSIONS ARE RECOMMENDED FOR AIRFLOW AND SERVICE ACCESS ONLY. CONSULT WITH LOCAL SAFETY CODES AND STANDARDS FOR ADDITIONAL REQUIREMENTS IN YOUR LOCAL AREA.
- DIMENSION EXCLUDES SKIN AND SCREW PROJECTIONS.
- MAXIMUM OF 4 BATTERY CABINETS CAN BE CONNECTED/BAYED WITH GALAXY VS SERIES UPS. FOR BAYING DETAILS REFER TO INSTALLATION MANUAL. BATTERY STRINGS ARE NOT PART OF THIS SKU# GVSMDBC9. FOR RUNTIME DETAILS REFER TO INSTALLATION MANUAL OR CONTACT SCHNEIDER ELECTRIC. THIS BATTERY CABINET ONLY BE USED WITH (GALAXY VS SERIES) UPS.
- CABLE ENTRY IS TOP OR BOTTOM OF CONDUIT BOX OR FROM EITHER SIDE OF UNIT FOR ADJACENT INSTALLATION.
- COLOR: RAL 9003 WHITE.
- PROTECTION CLASS: IP20
- OPERATING TEMPERATURE: 32°F TO 103°F [0°C TO 40°C]. TO OPTIMIZE THE LIFE OF BATTERY, IT IS RECOMMENDED TO MAINTAIN 77°F [25°C].
- THIS INFORMATION PROVIDES APPROXIMATE CENTER OF GRAVITY CALCULATION.
- DOOR SWING: FREELY ROTATES BY 180°.

BATTERY CABINET WEIGHT AND CENTER OF GRAVITY DETAILS				
NUMBER OF BATTERY STRING	WEIGHT kg (lbs)	Center of Gravity mm [inches]		
		X-Distance	Y-Distance	Z-Distance
0	186 [410]	277 [10.91]	947 [37.28]	415 [16.34]
9	1338 [2950]	273 [10.75]	971 [38.23]	450 [17.72]

WEIGHT OF 1 BATTERY STRING IS 128kg {282 lbs}.

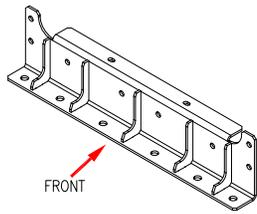
BATTERY CABINET SPECIFICATIONS	
Number of battery blocks per battery module	10
Number of battery blocks per string	40
Maximum number of battery strings	9
Maximum Number of battery blocks per battery cabinet	360
Nominal battery voltage (V DC)	480
Number of battery blocks per battery module	10
Maximum Number of battery blocks per battery cabinet	
Nominal float voltage (V DC)	545
Maximum boost voltage (V DC)	572
Temperature compensation	Enabled
End of discharge voltage (full load) (V DC)	384
Maximum battery current (A)	271
Maximum short circuit rating (kA)	10

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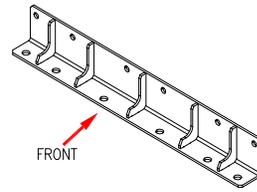


TITLE: Galaxy VS MODULAR BATTERY CABINET FOR UP TO 9 SMART MODULAR BATTERY STRINGS GENERAL ARRANGEMENT
PROJECT: SUBMITTAL DRAWINGS **SHEET 1 OF 4**

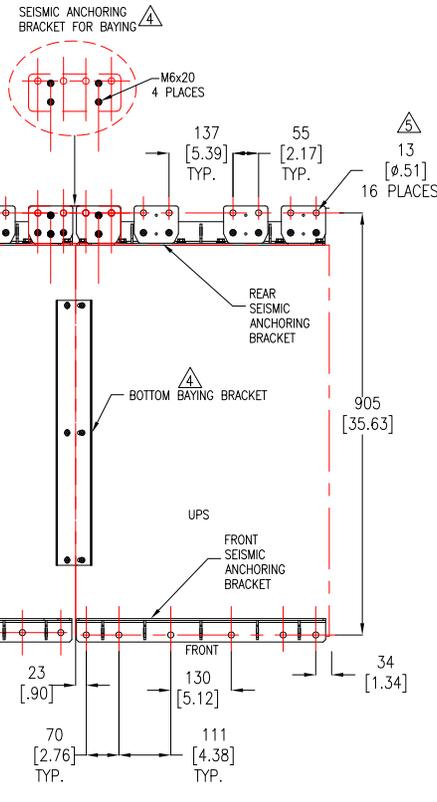
DWG NO: GVSMDBC9	REV. 0
DRAWN BY: BALA	17-JAN-20
ENGINEER: JiaChen Lin	18-FEB-20
APPROVED BY: ChenLei BAO	18-FEB-20
	FIRST ANGLE PROJECTION



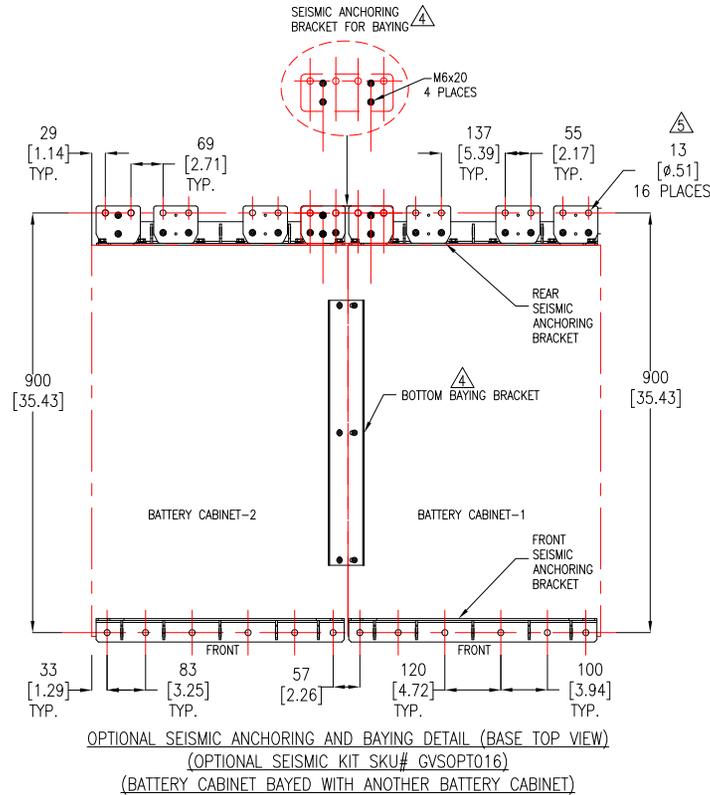
ISOMETRIC VIEW OF FRONT SEISMIC ANCHOR FOR MODULAR BATTERY CABINET



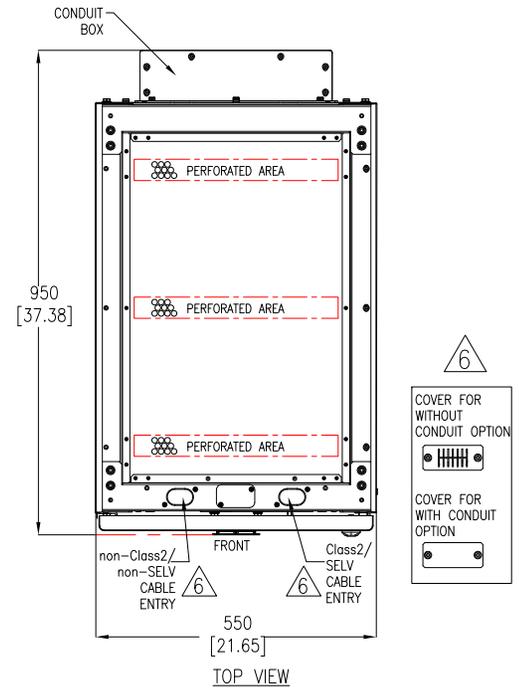
ISOMETRIC VIEW OF FRONT SEISMIC ANCHOR FOR UPS



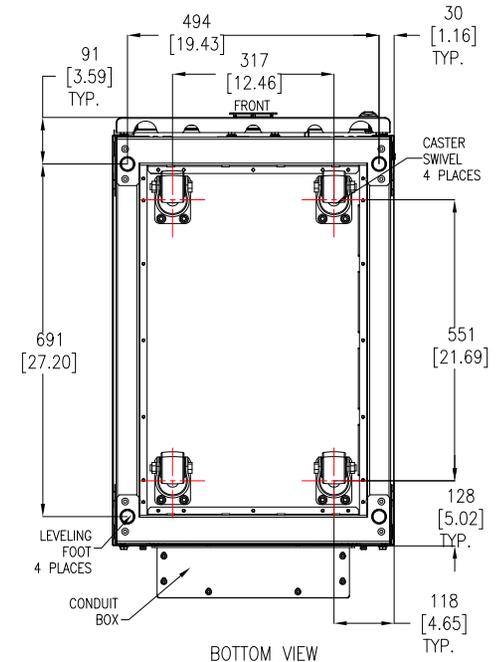
OPTIONAL SEISMIC ANCHORING AND BAYING DETAIL (BASE TOP VIEW)
(OPTIONAL SEISMIC KIT SKU# GVSOPT016)
(BATTERY CABINET BAYED WITH UPS)



OPTIONAL SEISMIC ANCHORING AND BAYING DETAIL (BASE TOP VIEW)
(OPTIONAL SEISMIC KIT SKU# GVSOPT016)
(BATTERY CABINET BAYED WITH ANOTHER BATTERY CABINET)



TOP VIEW



BOTTOM VIEW

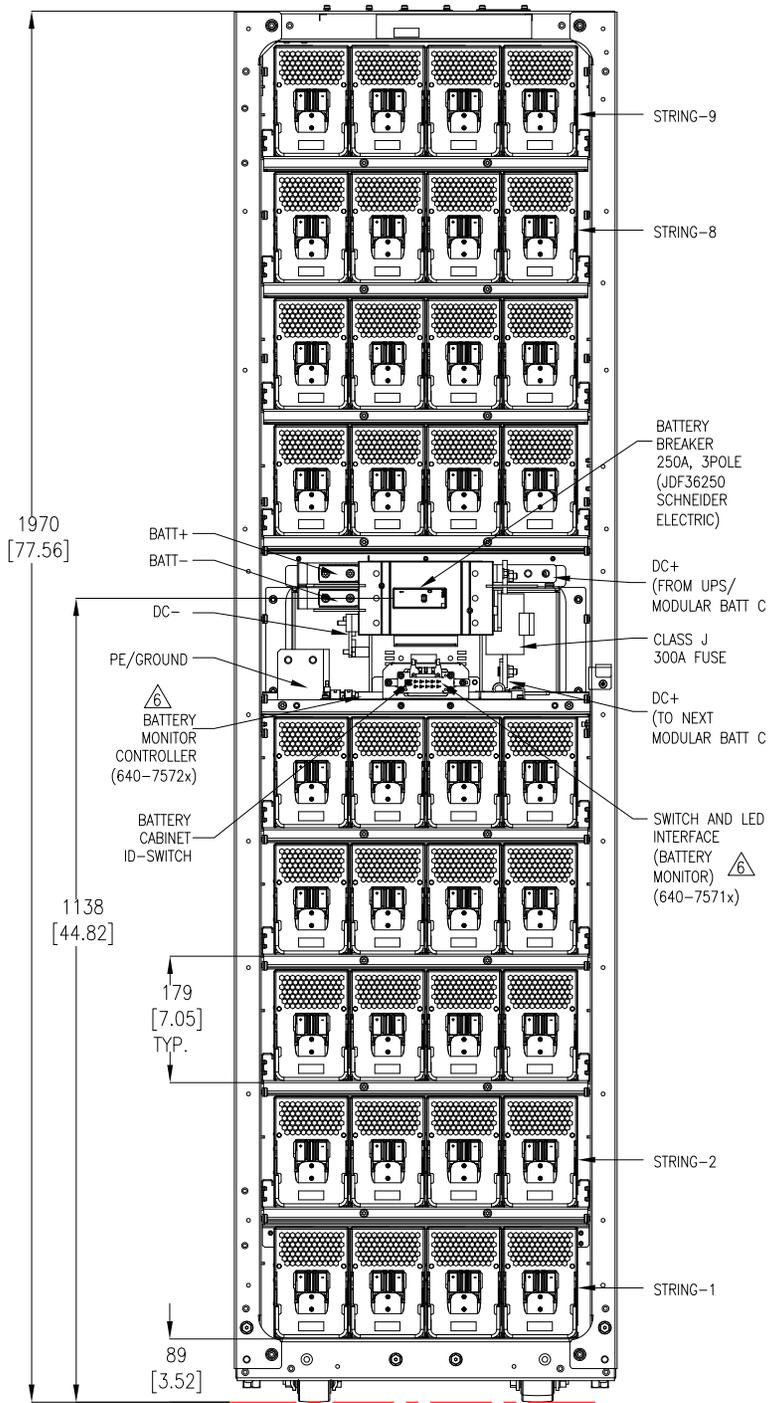
- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 - △4. PART OF OPTIONAL SEISMIC ANCHORING SKU# GVSOPT016.
FOR DETAILED BAYING BRACKETS', INTERCONNECTION BRACKETS' INSTALLATION REFER TO PRODUCT MANUAL.
 - △5. MINIMUM REQUIREMENT IS M12 GRADE 8.8 HARDWARE (PROVIDED BY THE CUSTOMER).
 - △6. Class2/SELV and non-Class2/non-SELV SHOULD BE ROUTED SEPARATELY.

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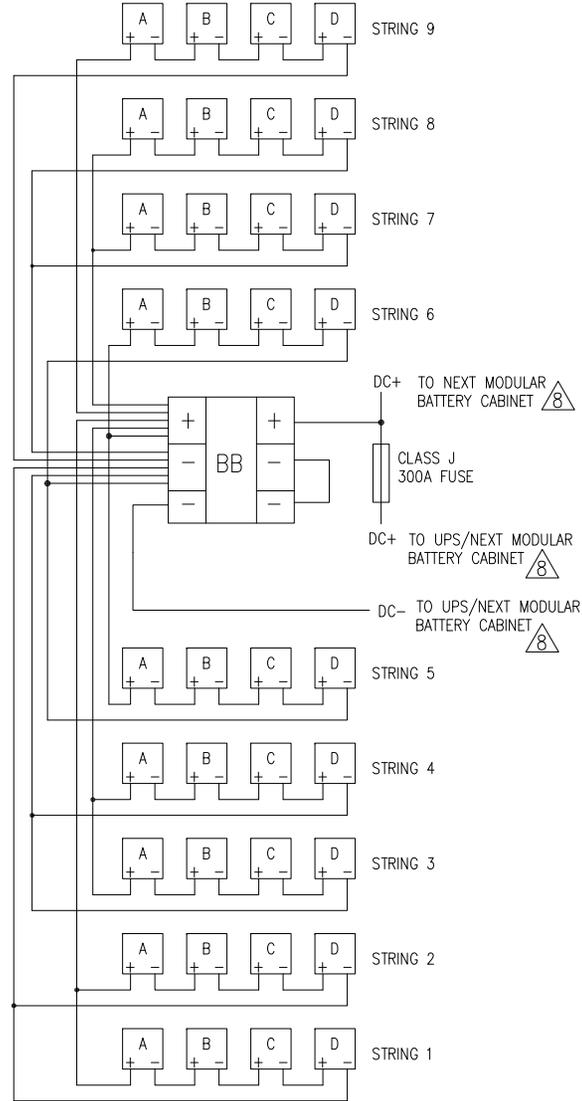
TITLE: Galaxy VS MODULAR BATTERY CABINET FOR UP TO 9 SMART MODULAR BATTERY STRINGS TOP/BOTTOM VIEWS & ANCHORING DETAILS
PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 4

DWG NO:	GVSMODBC9	REV:	0
DRAWN BY:	BALA	17-JAN-20	FIRST
ENGINEER:	JiaChen Lin	18-FEB-20	ANGLE
APPROVED BY:	ChenLei BAO	18-FEB-20	PROJECTION

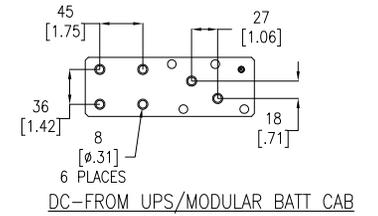


INTERNAL FRONT VIEW

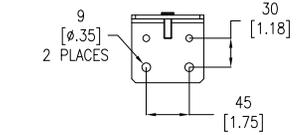
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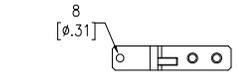
BATTERY CABINET CABLING DIAGRAM



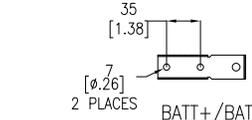
DC-FROM UPS/MODULAR BATT CAB



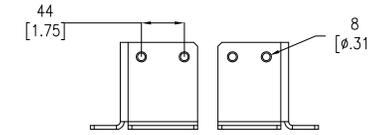
DC+ (TO NEXT MODULAR BATT CAB)



DC+ FROM UPS/MODULAR BATT CAB



BATT+/BATT-



PE/GROUND

INTERFACE BUSBAR DETAILS
(THICKNESS: 4 [0.157])

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3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
- △4. MODULAR BATTERY (GVSBT4/GVSBTH4LL) NOT PART OF THE SKU (GVSMODBC9), SHOWN FOR ILLUSTRATION PURPOSE ONLY, TO BE ORDERED SEPARATELY.
5. SOME STRUCTURAL DETAILS HAVE BEEN OMITTED FOR THE PURPOSE OF CLARITY.
- △6. FOR LATEST BOARD PART NUMBER REFER TO SCHNEIDER ELECTRIC.
7. REFER TO SYSTEM WIRING DIAGRAM GVS10K100LGFSTAIO-WD FOR INTERFACE DETAILS.
- △8. REFER TO PARALLEL CONNECTION DIAGRAM IN SHEET-4.

TITLE:

Galaxy VS
MODULAR BATTERY CABINET FOR
UP TO 9 SMART MODULAR BATTERY STRINGS
INTERNAL DETAILS & CABLING DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 4

DWG NO:

GVSMODBC9

REV. 0

DRAWN BY:

BALA 17-JAN-20 FIRST

ENGINEER:

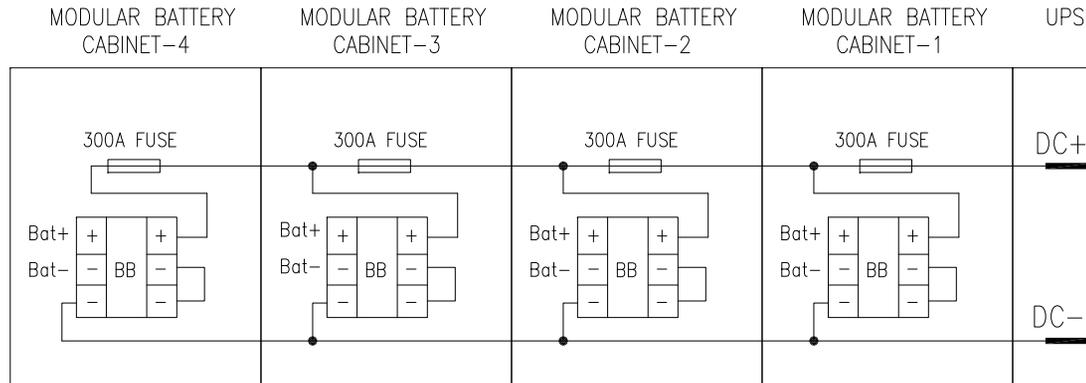
JiaChen Lin 18-FEB-20 ANGLE

APPROVED BY:

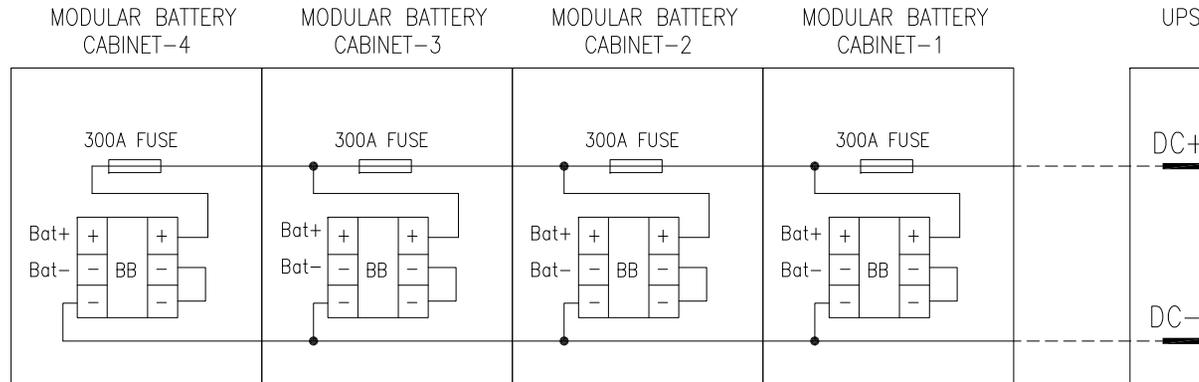
ChenLei BAO 18-FEB-20 PROJECTION

BATTERY BAYING CABLING DIAGRAM

BATTERY CABINET ADJACENT TO UPS (UPS MAX RATING 100kW)



BATTERY CABINET REMOTE TO UPS (UPS MAX RATING 100kW)



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3. REFER TO SYSTEM WIRING DIAGRAM GVS20K100GFSTAIO-WD / GVS20K100HSTAIO-WD FOR CONTROL INTERFACE DETAILS.
4. ----- CABLING NOT PART OF BATTERY CABINET SKU, TO BE ORDERED SEPARATELY.

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Schneider Electric

TITLE:

Galaxy VS
MODULAR BATTERY CABINET FOR
UP TO 9 SMART MODULAR BATTERY STRINGS
PARALLELING INSTALLATION

PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 4

DWG NO:

GVSMODBC9

REV. 0

DRAWN BY:

BALA

31-JAN-20

FIRST

ENGINEER:

JiaChen Lin

18-FEB-20

PROJECTION

APPROVED BY:

ChenLei BAO

18-FEB-20

N.A.