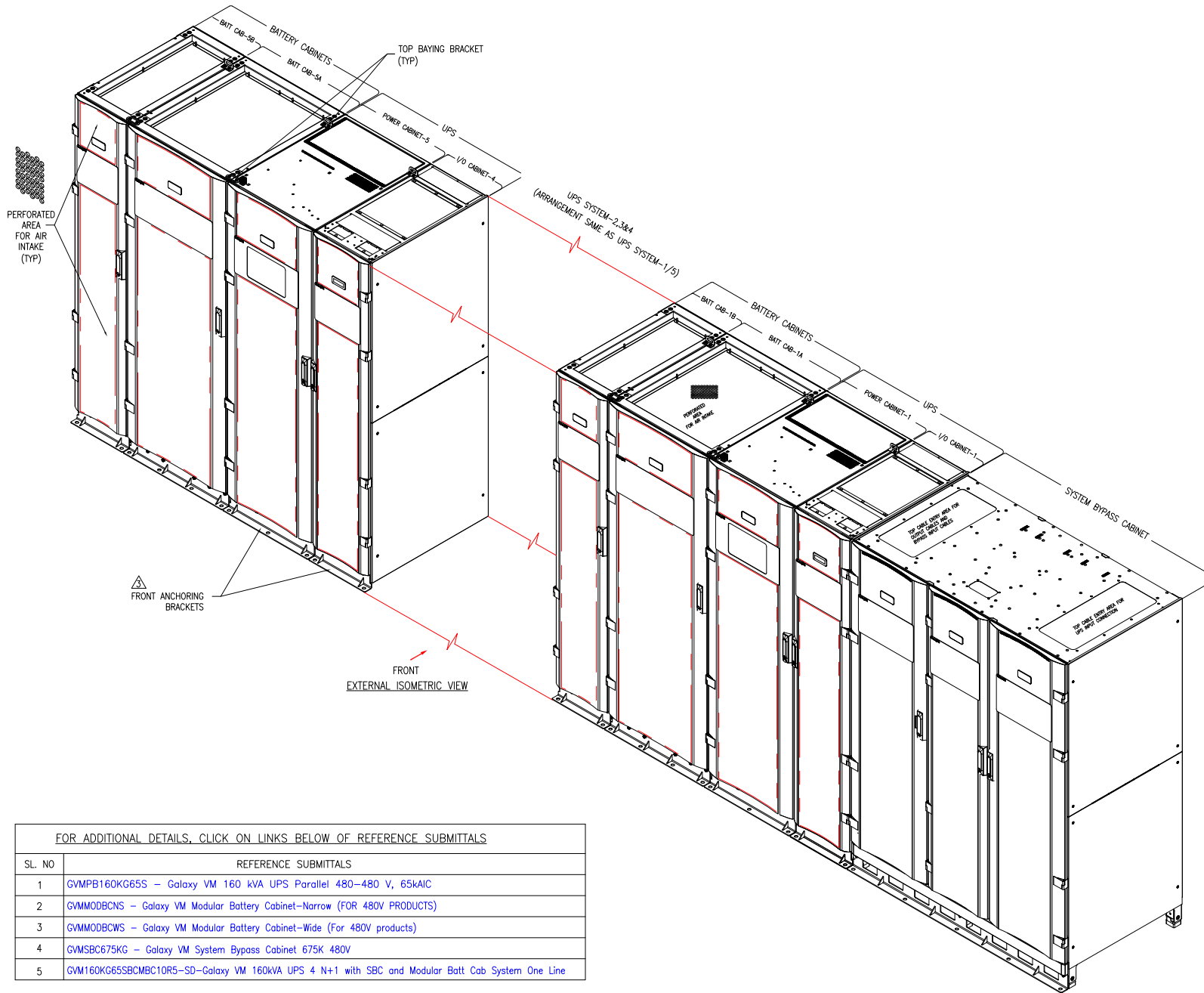


# RUNTIME CHART

Runtime in Minutes	Number of Battery Cartridges (GVMMBTU)	Quantity & Type of Cabinet
6.7	10	1W
7.8	11	1W
8.8	12	1W
9.9	13	1W+1N
11	14	1W+1N
12	15	1W+1N
13	16	1W+1N
14.5	17	1W+1N
15.5	18	1W+1N
22.5	24	2W
30	30	2W+1N
38	36	3W
46	42	3W+1N
54	48	4W
62.5	54	4W+1N
71	60	5W
79.5	66	5W+1N
88.5	72	6W
97.5	78	6W+1N
105	84	7W
115	90	7W+1N
125	96	8W

LEGEND	
1N	= 1 Narrow Battery Cabinet: SKU No. GVMMODBCNS
1W	= 1 Wide Battery Cabinet: SKU No. GVMMODBCWS



FOR ADDITIONAL DETAILS, CLICK ON LINKS BELOW OF REFERENCE SUBMITTALS	
SL. NO	REFERENCE SUBMITTALS
1	<a href="#">GVMPB160KG65S – Galaxy VM 160 kVA UPS Parallel 480–480 V, 65kAIC</a>
2	<a href="#">GVMMODBCNS – Galaxy VM Modular Battery Cabinet–Narrow (FOR 480V PRODUCTS)</a>
3	<a href="#">GVMMODBCWS – Galaxy VM Modular Battery Cabinet–Wide (For 480V products)</a>
4	<a href="#">GVMSBC675KG – Galaxy VM System Bypass Cabinet 675K 480V</a>
5	<a href="#">GV160KG65SBCMC10R5–SD–Galaxy VM 160kVA UPS 4 N+1 with SBC and Modular Batt Cab System One Line</a>

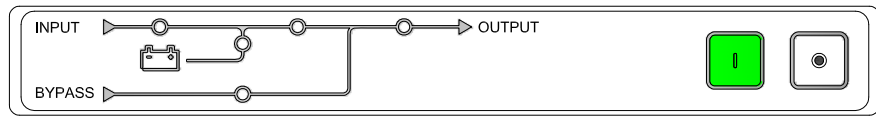
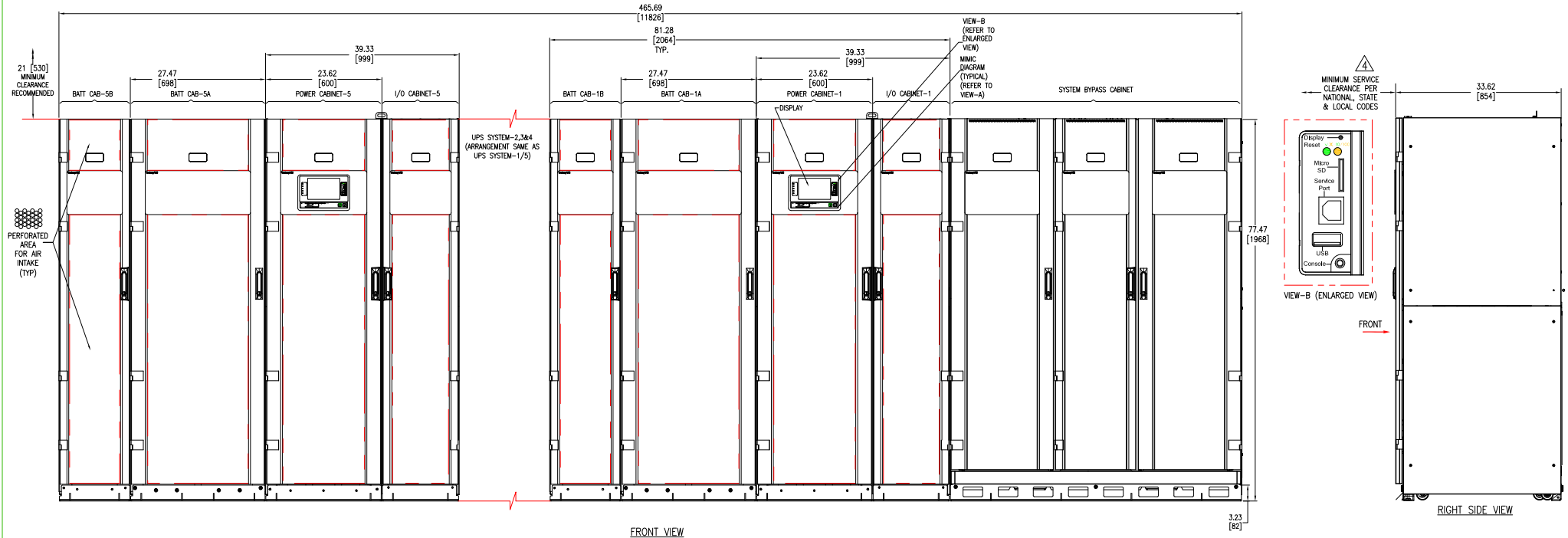
- NOTES:**
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
  2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
  3. IN AREAS WHERE SEISMIC PROTECTION IS REQUIRED, ANCHOR THE BRACKETS TO THE FLOOR. FLOOR ANCHORING BOLTS ARE NOT SUPPLIED.

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**TITLE:** Galaxy VM  
 Input: 480V AC 3PH DUAL/SINGLE MAINS  
 Output: 480V AC 3PH 160kVA  
 4+1 MODULE UPS WITH MODULAR BATTERY CABINETS  
 SOLUTION-ISOMETRIC VIEW  
**PROJECT:** DRAWINGS **SHEET** 1 OF 5

**DWG NO:** GV160KGMODBC9R5 **REV.** 0  
**DRAWN BY:** C KRISHNA 15-JUN-16 **THIRD**  
**ENGINEER:** C ANDERSEN/Z WILLIAM 15-JUN-16 **ANGLE**  
**APPROVED BY:** M DESHPANDE 15-JUN-16 **PROJECTION**



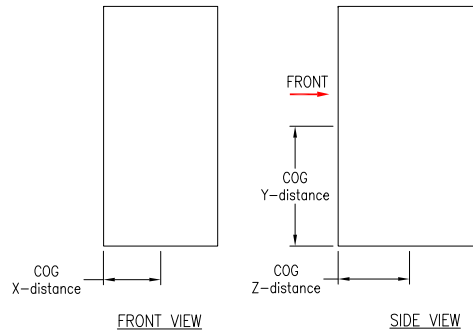
VIEW-A (MIMIC DIAGRAM)

Floor Loading Data			
SKU #	Dimensions HxWxD in Inches [mm]	Weight in lb [kg]	Floor Loading in lb/ft <sup>2</sup> [kg/m <sup>2</sup> ]
0G-GVMPB160KG (Power Cabinet-1,2,3&4)	77.56x23.62x33.62 [1970x600x854]	1032 [469]	187 [915]
0G-GVM1225KG (I/O Cabinet-1,2,3&4)	77.56x11.81x33.62 [1970x300x854]	462 [210]	168 [820]
GVMPB160KGS (UPS-1,2,3&4)	77.56x39.45x33.62 [1970x1002x854]	1495 [679]	162 [793]
GVMMODBCW (Wide Battery Cabinet-without Batteries)	77.56x27.56x33.62 [1970x700x854]	462 [210]	73 [355]
GVMMODBCN (Narrow Battery Cabinet-without Batteries)	77.56x14.57x33.62 [1970x370x854]	306 [139]	91 [443]
GVMMODBCW+12 GVMMBTU	77.56x27.56x33.62 [1970x700x854]	3630 [1650]	564 [2755]
GVMMODBCN+6 GVMMBTU	77.56x14.57x33.62 [1970x370x854]	1890 [859]	555 [2709]

NOTES:

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- REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
- ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
- FRONT ACCESS REQUIRED FOR SERVICE.
- INPUT POWER CABLE ENTRY IS FROM TOP OR BOTTOM OF THE UNIT.
- OPERATING TEMPERATURE: 32°F TO 104° [0° TO 40°].
- PROTECTION CLASS: IP20 (IP23 OPTIONAL).
- COLOR: RAL 9003 WHITE.
- THIS INFORMATION PROVIDES CONSERVATIVE CENTER OF GRAVITY CALCULATION.

POWER/INPUT OUTPUT CABINET/BATTERY CABINET



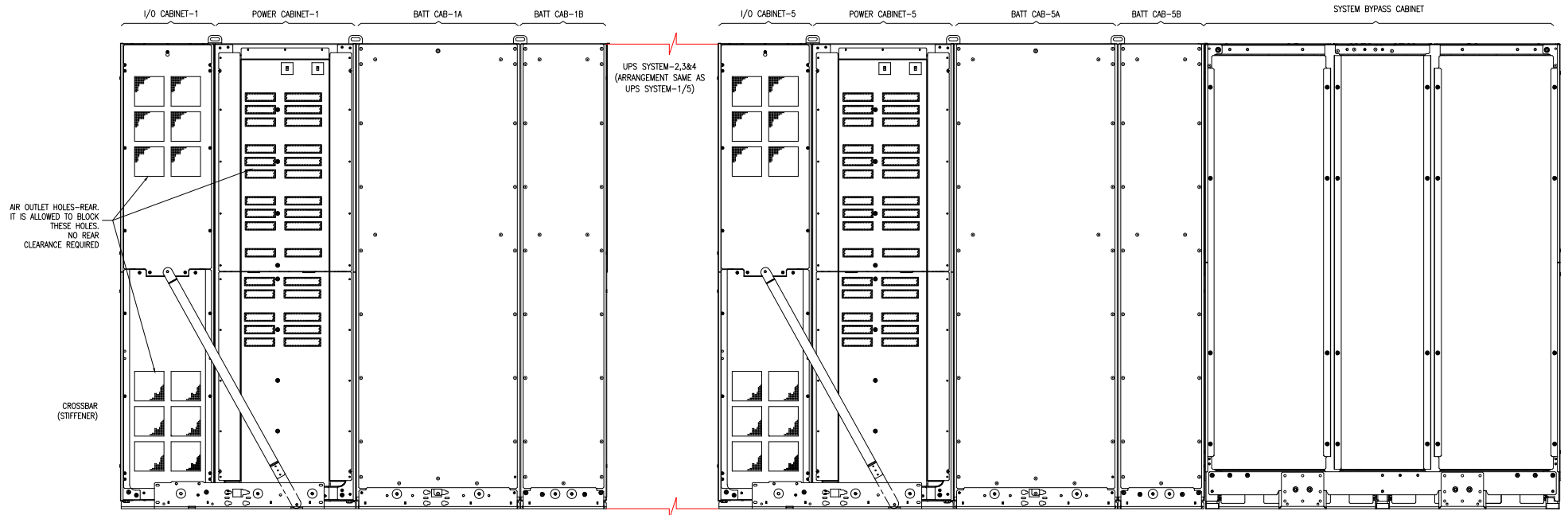
Cabinet	CENTER OF GRAVITY		
	Center of Gravity in Inches [mm]		
	X-Distance	Y-Distance	Z-Distance
Power Cabinet	11.81 [300]	37.40 [950]	14.92 [379]
I/O Cabinet	7.48 [190]	33.46 [850]	9.02 [229]
Wide Battery Cabinet without Batteries	13.74 [349]	39.37 [1000]	15.75 [400]
Narrow Battery Cabinet without Batteries	7.24 [184]	39.37 [1000]	15.75 [400]

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TITLE: Galaxy VM  
 Input: 480V AC 3PH DUAL/SINGLE MAINS  
 Output: 480V AC 3PH 160kVA  
 4+1 MODULE UPS WITH MODULAR BATTERY CABINETS  
 SOLUTION-GENERAL ARRANGEMENT  
 PROJECT: DRAWINGS SHEET 2 OF 5

DWG NO: GVM160KGMODBC9R5 REV: 0  
 DRAWN BY: C KRISHNA 15-JUN-16 THIRD  
 ENGINEER: C ANDERSEN/Z WILLIAM 15-JUN-16 ANGLE  
 APPROVED BY: M DESHPANDE 15-JUN-16 PROJECTION



REAR VmIEW  
(WITH CROSSBAR AND ANCHORING BRACKET)

**NOTES:**

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2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].

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TITLE: Galaxy VM  
Input: 480V AC 3PH DUAL/SINGLE MAINS  
Output: 480V AC 3PH 160KVA  
4+1 MODULE UPS WITH MODULAR BATTERY CABINETS  
SOLUTION-REAR VIEW

DWG NO: GVM160KGMODBC9R5

REV. 0

DRAWN BY: C KRISHNA 15-JUN-16

THIRD

ENGINEER: C ANDERSEN/Z WILLIAM 15-JUN-16

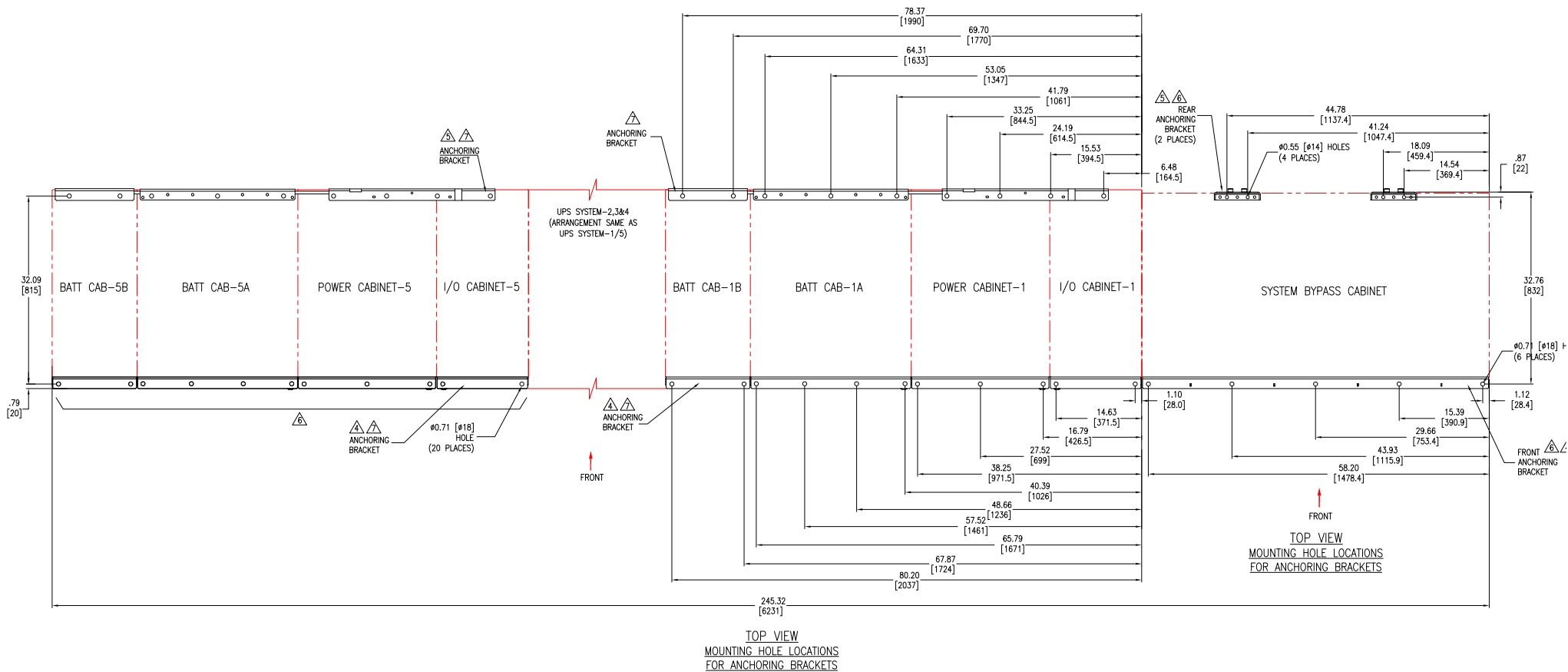
ANGLE

PROJECT: DRAWINGS SHEET 3 OF 5

APPROVED BY: M DESHPANDE 15-JUN-16

PROJECTION





- 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. FIXATION OF ANCHORING BRACKETS IN FRONT IS OPTIONAL IN NON-SEISMIC LOCATIONS. FOR SEISMIC COMPLIANCE, USE CODE COMPLIANT FASTENERS TO SECURE UNIT TO THE FLOOR. FLOOR ANCHORING BOLTS ARE NOT SUPPLIED.
  5. USE THE BAYING BRACKET THAT WAS ATTACHED TO THE REAR PALLET OF I/O CABINET FOR ANCHORING THE UNIT. REAR BAYING BRACKET MUST BE BOLTED TO THE FLOOR. USE CODE COMPLIANT FASTENERS.
  6. ANCHORING DIMENSIONS FOR CABINETS WITH SUFFIX "4", "4x" ARE SAME AS CABINETS WITH SUFFIX "1", "1x".
  7. IN AREAS WHERE SEISMIC PROTECTION IS REQUIRED, FOLLOW THE INSTRUCTIONS IN "GVMANCHORING-SA" DRAWING. FLOOR ANCHORING BOLTS ARE NOT SUPPLIED.
  8. FOR INSTALLATION ON RAISED FLOOR FOLLOW THE INSTRUCTIONS IN "GVMANCHORING-RF" DRAWING. FLOOR ANCHORING BOLTS ARE NOT SUPPLIED.

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**TITLE:** Galaxy VM  
 Input: 480V AC 3PH DUAL/SINGLE MAINS  
 Output: 480V AC 3PH 160KVA  
 4+1 MODULE UPS WITH MODULAR BATTERY CABINETS  
 SOLUTION-ANCHORING DETAILS

**PROJECT:** DRAWINGS **SHEET 5 OF 5**

<b>DWG NO:</b> GVM160KGMODBC9R5	<b>REV:</b> 0
<b>DRAWN BY:</b> C KRISHNA	15-JUN-16
<b>ENGINEER:</b> C ANDERSEN/Z WILLIAM	15-JUN-16
<b>APPROVED BY:</b> M DESHPANDE	15-JUN-16
	THIRD ANGLE PROJECTION