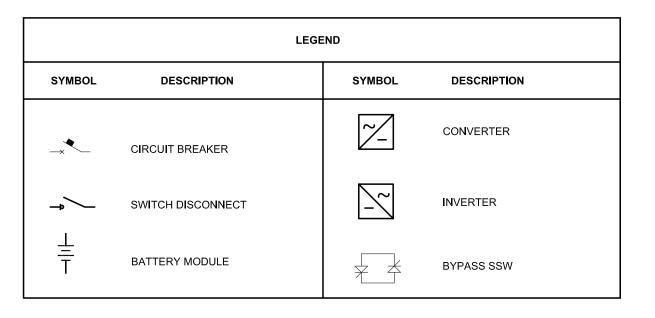
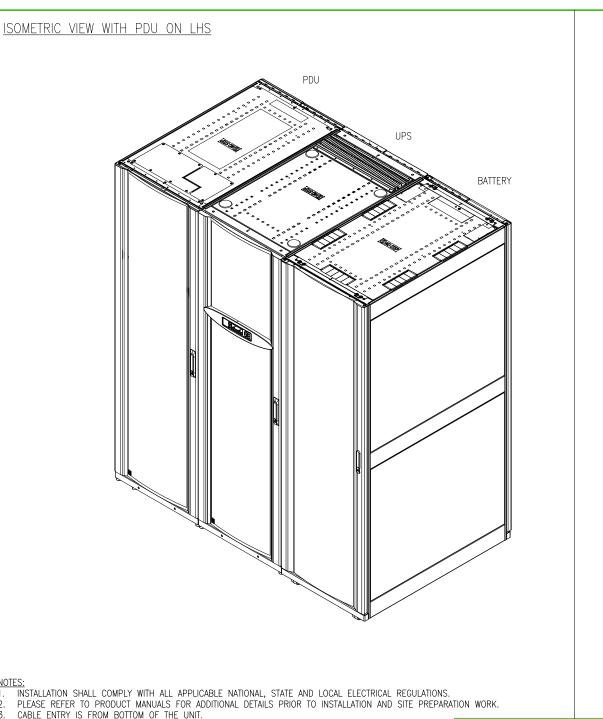
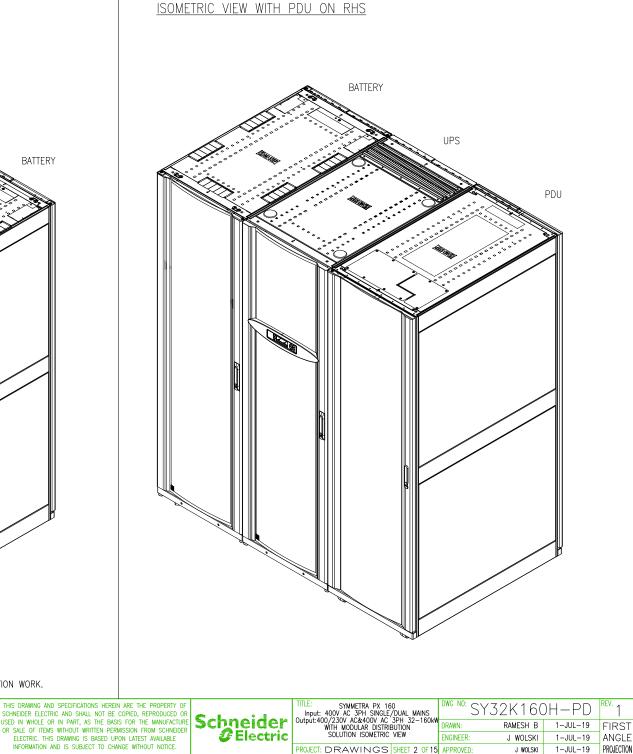
Symmetra PX 160kW 400V with PDU Package.

Sheet No.	Component /Detail	Description										
1	Drawing Guide	Symmetra PX 32-160kW 400V w/ Integrated Modular Distribution Top/Bottom Feed Drawing guide										
2-8	Solution	Symmetra PX 32-160kW 400V w/ Integrated Modular Distribution Top/Bottom Feed										
9	UPS	Symmetra PX32-160kW 400V UPS Internal View										
10	Power Distribution Unit	Symmetra PX32-160kW 400V PDU Internal View										
11	Battery	Symmetra PX32-160kW 400V Battery Internal View										
12	MBP Interface Board	Symmetra PX32-160kW 400V MBP Interface Board Wiring Details										
13	EPO WIRING	Symmetra PX32-160kW 400V MBP EPO Wiring Details										
14	System One Line Diagram	Symmetra PX32-160kW 400V w/ Integrated Modular Distribution One Line Diagram										



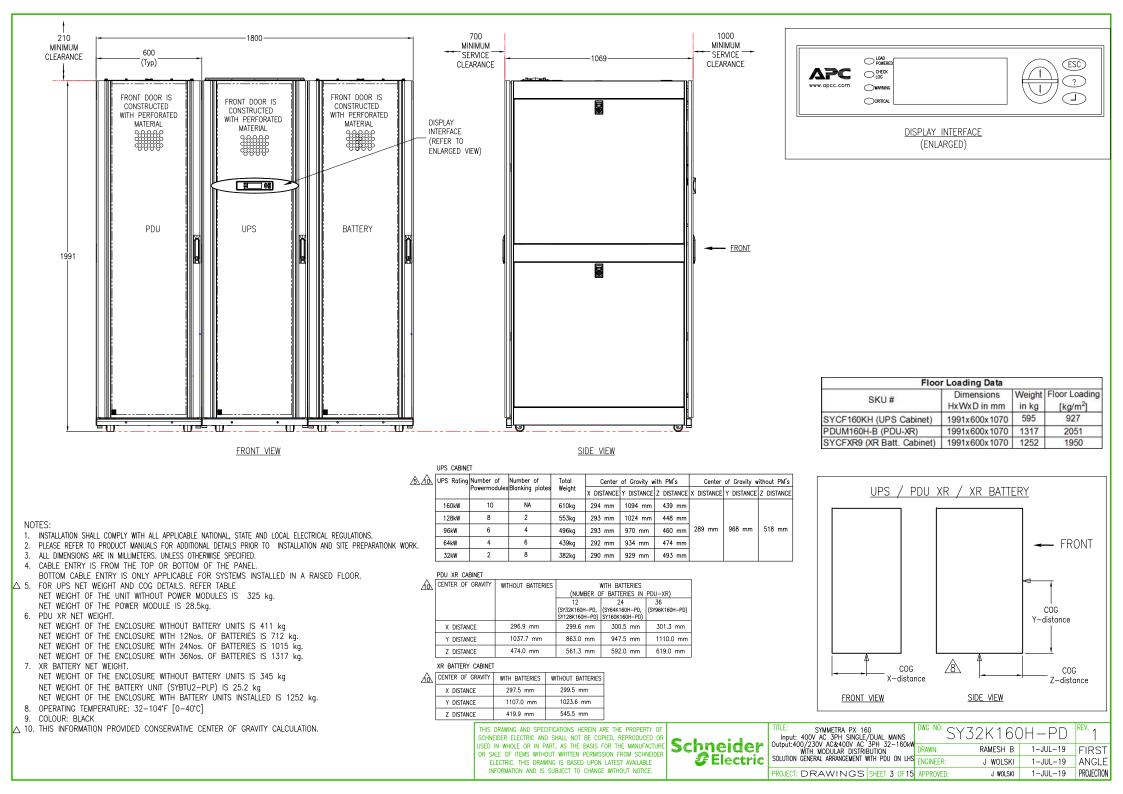


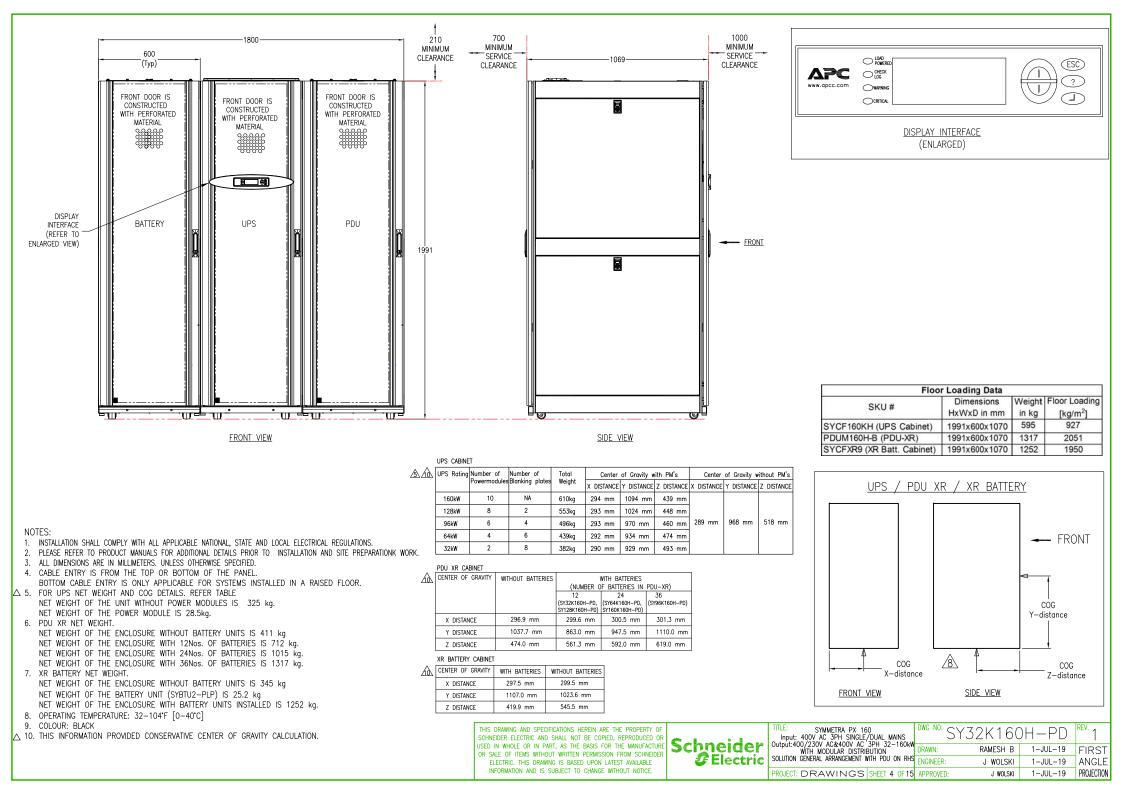




NOTES:

- 1.
- 2.
- 3.
- 4. FRONT AND REAR SERVICE ACCESS IS REQUIRED.
- 5. ENCLOSURE PROTECTION: IP20





TOP VIEW WITH PDU ON LHS

TOP VIEW WITH PDU ON RHS

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J WOLSKI

J WOLSKI

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PERFORATED

CONDUIT

PLATES

227

85

1070

THIS SIDE IS FOR

MAINS AND (OPTIONAL) BYPASS

REV.

FIRS

ANGLE

PROJECTION

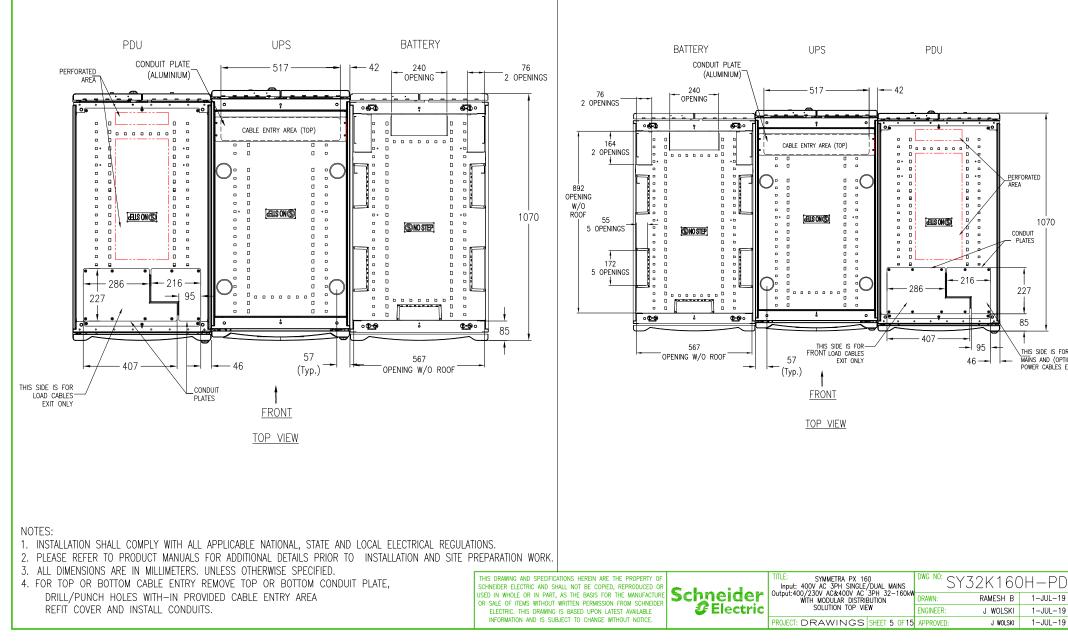
1-JUL-19

1-JUL-19

1-JUL-19

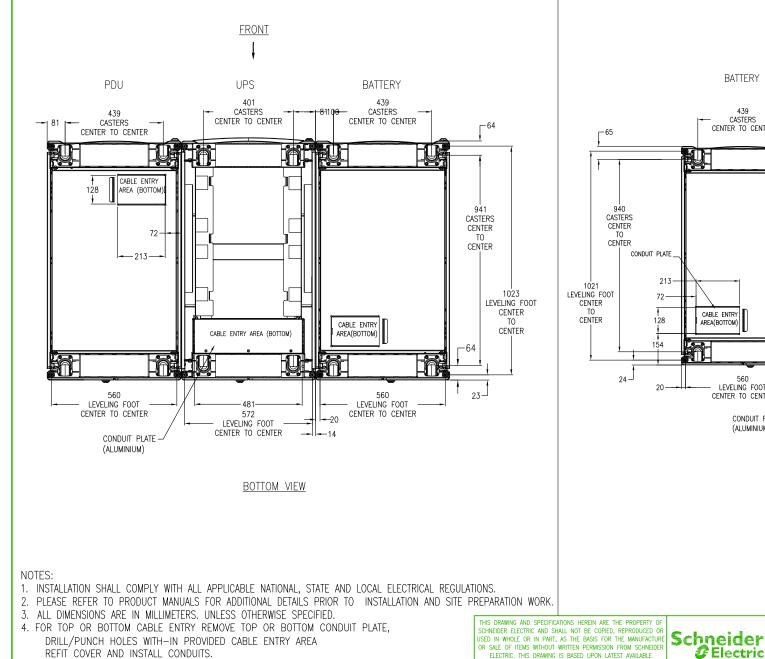
POWER CABLES ENTRY ONLY

AREA

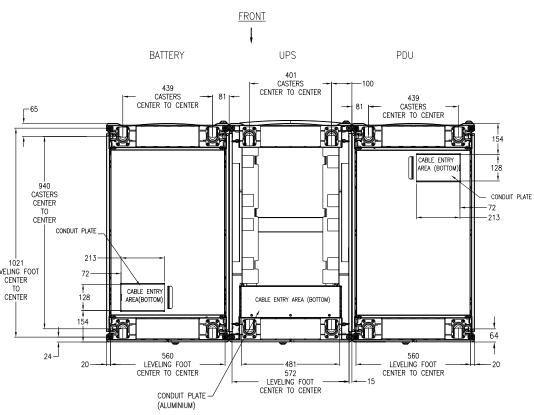


BOTTOM VIEW WITH PDU ON LHS

BOTTOM VIEW WITH PDU ON RHS



INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



BOTTOM VIEW

TITLE: SYMMETRA PX 160 Input: 400V AC 3PH SINGLE/DUAL MAINS Output:400/230V AC&400V AC 3PH 32-160kW

WITH MODULAR DISTRIBUTION

PROJECT: DRAWINGS SHEET 6 OF 15 APPROVED

SOLUTION BOTTOM VIEW

^{DWG NO:} SY32K160H-PD

DRAWN:

ENGINEER:

RAMESH B

J WOLSKI

J WOLSKI

REV.

FIRS

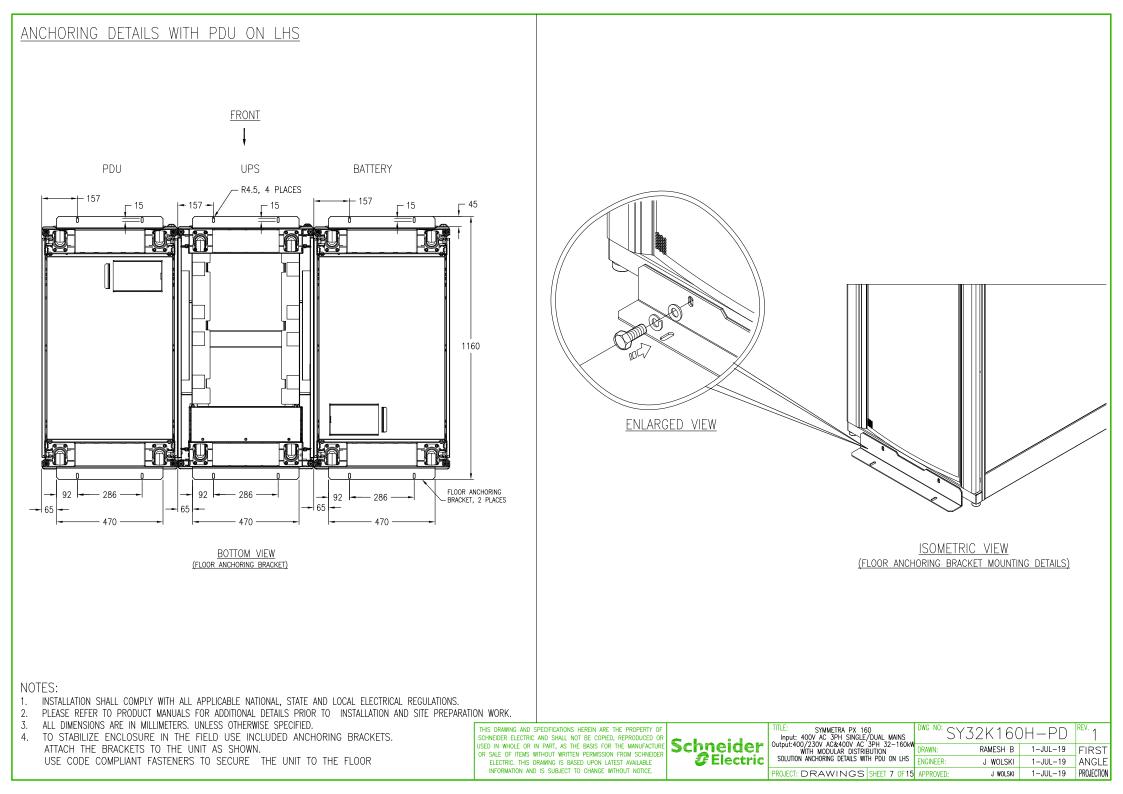
ANGLE

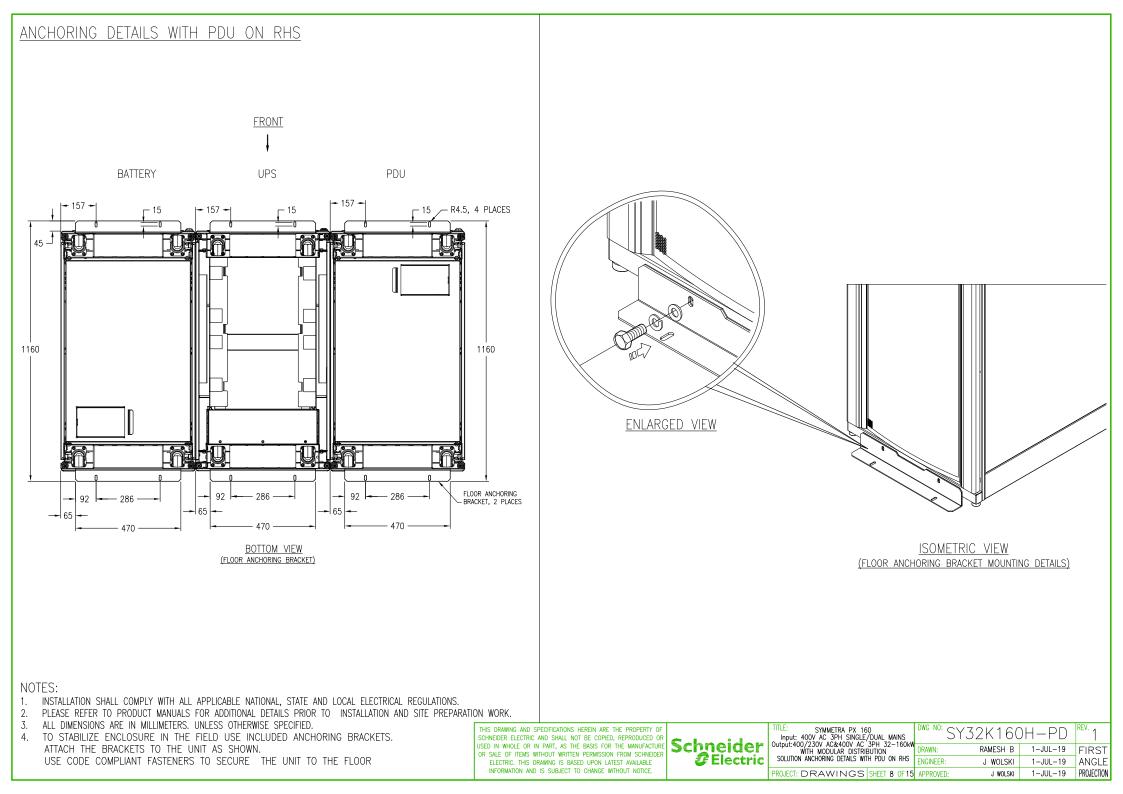
PROJECTION

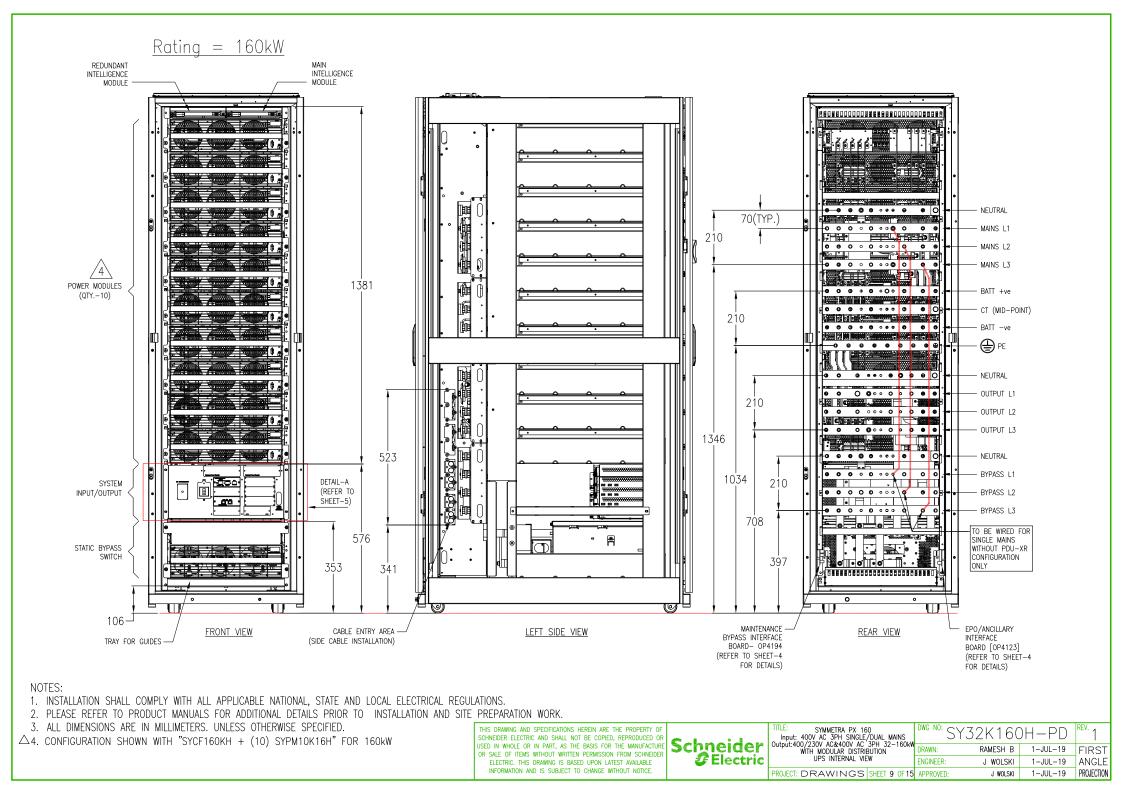
1-JUL-19

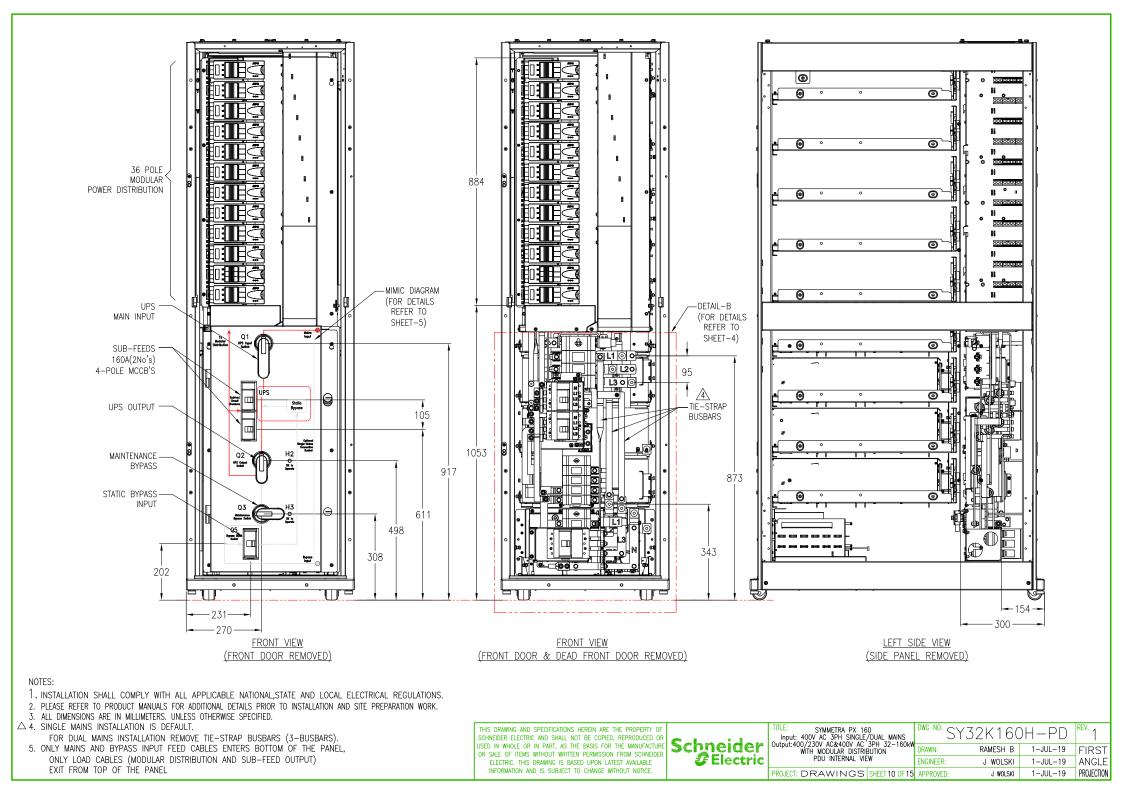
1-JUL-19

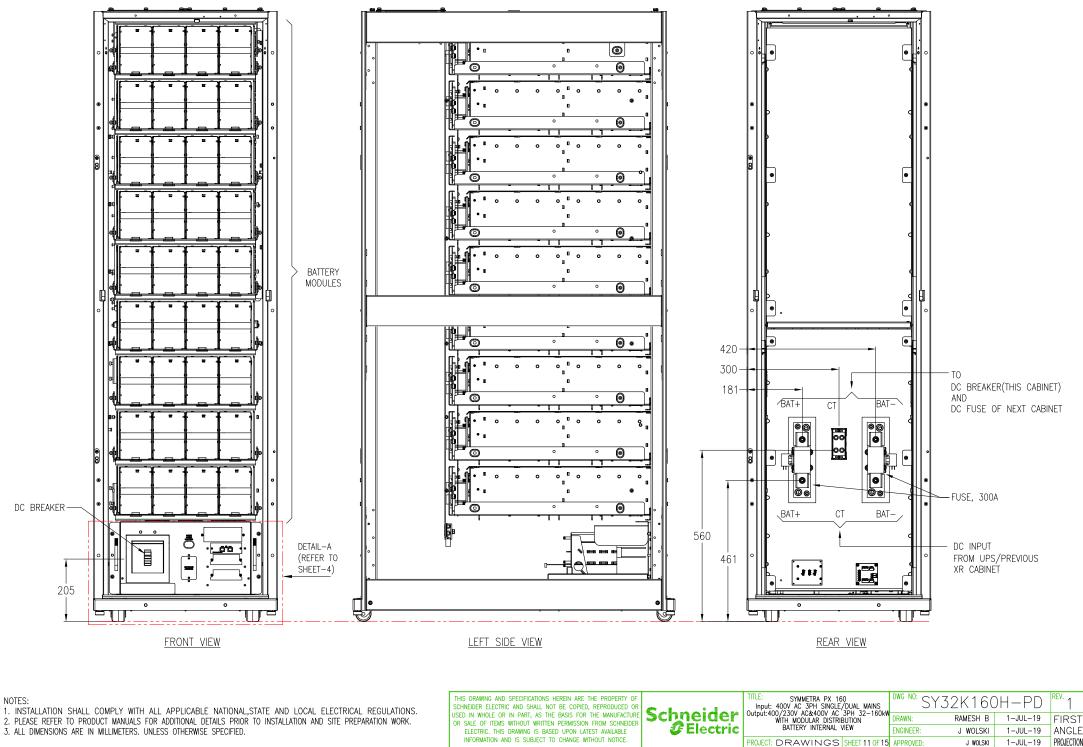
1-JUL-19







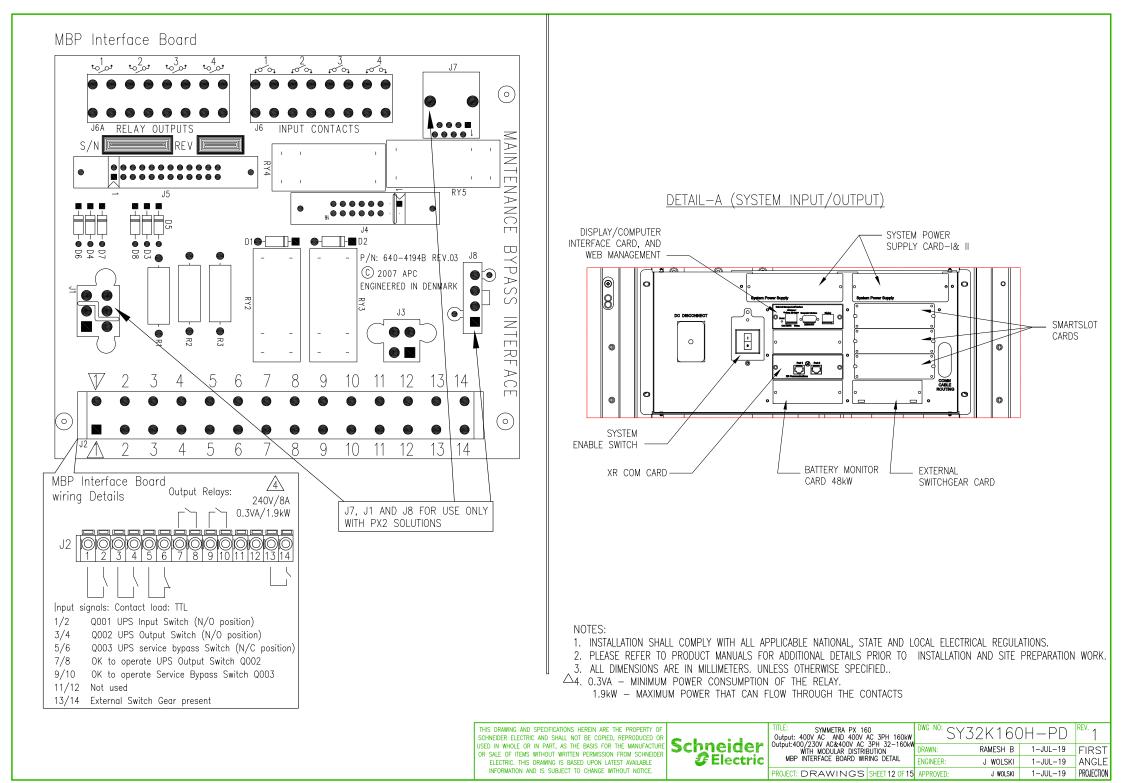


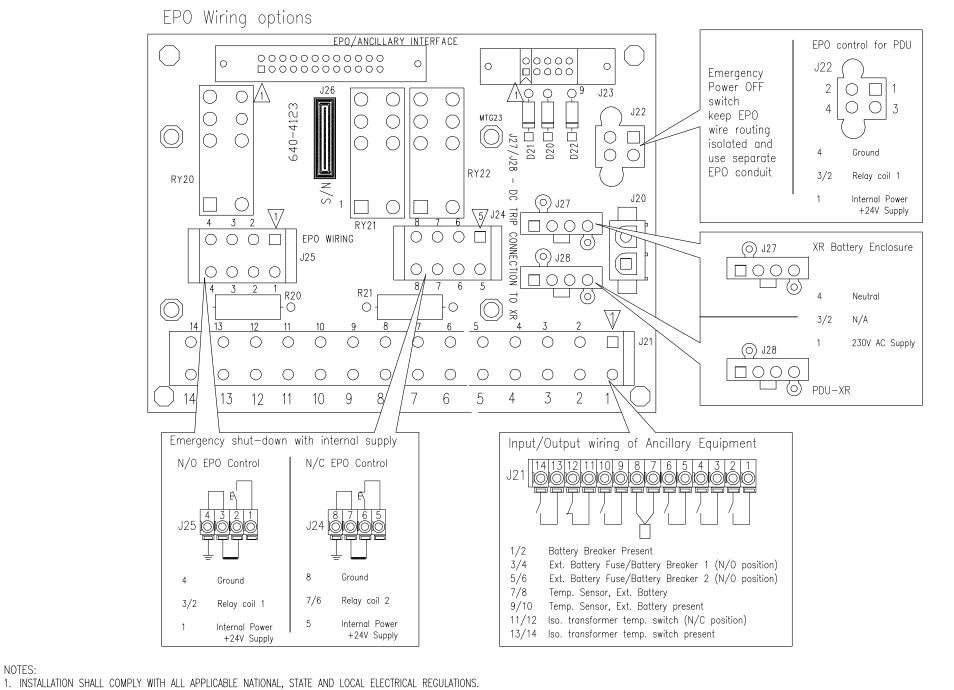


3. ALL DIMENSIONS ARE IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED.

INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

PROJECT: DRAWINGS SHEET 11 OF 15 APPROVED



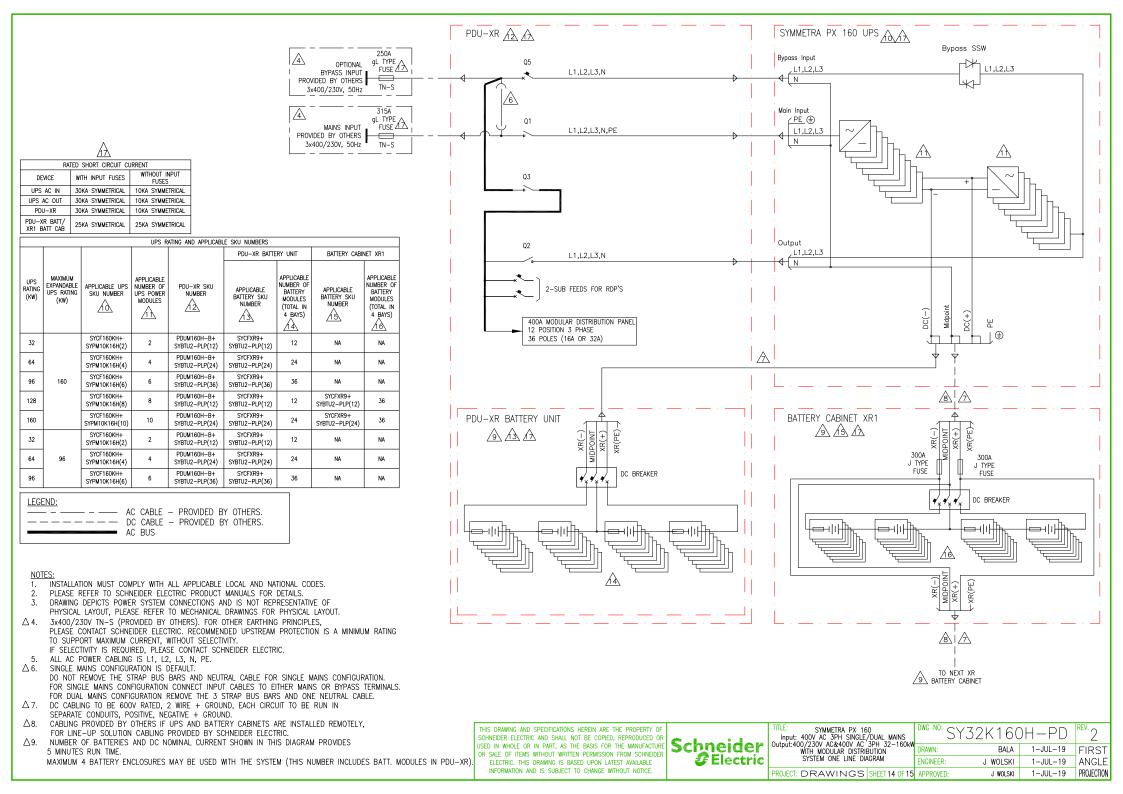


2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.

3. ALL DIMENSIONS ARE IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED.

NOTES:

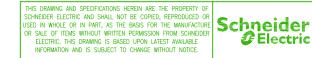




	INFRASTRUXURE PLANNING GUIDE SYMMETRA PX96 / PX160 (400V)																			
UPS FRAME	UPS RATING KVA / KW			AC INPUT (400V)						BATTERY SYSTEM			AC	DC	PDU–XR BREAKER RATINGS (A)					
	QTY OF POWER [I MODULE NG (16KW)	[P] KW NOMINAL	POWER FACTOR	POWE	POWER (KW) UTILITY S		SOURCE CURRENT I (A		IT I (A)	*Q1 PROTECTION	NOMINAL VOLTAGE	FULL LOAD	IMAX DC DISCHARGE	OUTPUT CURRENT @400V (A)	BREAKER – 3POLE FRAME (A)	Q1- 3POLE	Q2- 4POLE	Q3- 4POLE	Q5- 3POLE	SUB FEED BREAKERS - 4POLE
		NOMINAL		NOMINAL	NOMINAL + CHARGING	FREQUENCY (HZ)	VOLTAGE (V)	NOMINAL	NOMINAL + CHARGING	(A)		POWER P (KW)	(A)			FRAME (A)	FRAME (A)	FRAME (A)	(FRAME/ TRIP) (A)	(FRAME/ TRIP) (A)
160KVA / 96KVA/160KVA / 160KW 96KW/160KW	1	16		17	19	50	400	24	27	63	63 80 100 160	17	55	23	-					
	2	32]	34	37			49	53	80		34	110	46						
	3	48		51	56			73	80	100		51	165	69						
	4	64		67	74			97	107	160		68	220	92						
	5	80	1	84	93			122	134	160 2X192 225 225 250 400	85	275	115	320	315	250	250	250/250	160/160	
	6	96	'	101	111			146	160		2/132	102	330	139	520	515	200	200	200/200	100/100
	7	112		118	130			170	187		119	385	162							
	8	128		135	148			194	214			135	440	185	_					
	9	144		152	167			219	241			152	495	208						
-	10	160		168	185			243	267	400		169	550	231						

NOTES:

SYMMETRA PX96 CONTAINS 2 FRAMES 1 X POWER FRAME AND 1 X BATTERY FRAME. SYMMETRA PX160 CONTAINS 3 FRAMES 1 X POWER FRAME AND 2 BATTERY FRAMES. THE SYMMETRA PX96 IS UPGRADABLE TO 160kW BY ADDING POWER MODULES AND BATTERY FRAME.



TREV.

1-JUL-19 FIRST

1-JUL-19 ANGLE

1-JUL-19 PROJECTION

DWG NO: SY32K160H-PD

DRAWN:

ENGINEER:

BALA

J WOLSKI

J WOLSKI

TITLE: SYMMETRA PX 160 Input: 400V AC 3PH SINGLE/DUAL MAINS Output:400/230V AC&400V AC 3PH 32-160kW WITH MODULAR DISTRIBUTION SITE PLANNING GUIDE

PROJECT: DRAWINGS SHEET 15 OF 15 APPROVED: