

USER INTERFACE (ENLARGED VIEW)

- NOTES:**
- 1.INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
 - 2.REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 - 3.ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 - 4.WEIGHT OF THE UNIT IS 140kg [308.6 lb].
 - 5.FRONT AND REAR CLEARANCE ARE FOR AIRFLOW AND SERVICE ACCESS, TOP AND RIGHT SIDE CLEARANCE ARE FOR SERVICE ACCESS ONLY.
CONSULT WITH THE LOCAL SAFETY CODES AND STANDARDS FOR ANY ADDITIONAL REQUIREMENTS OF LOCAL AREA.
IF THE UPS IS INSTALLED WITHOUT SIDE ACCESS, THE LENGTH OF CABLES CONNECTED TO THE UPS MUST ALLOW FOR ROLLING OUT THE UPS.
 - 6.COLOR: RAL 9003.
 - 7.PROTECTION CLASS: IP20.
 - 8.OPERATING TEMPERATURE: 0°C TO 40°C [32°F TO 104°F].

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Schneider Electric

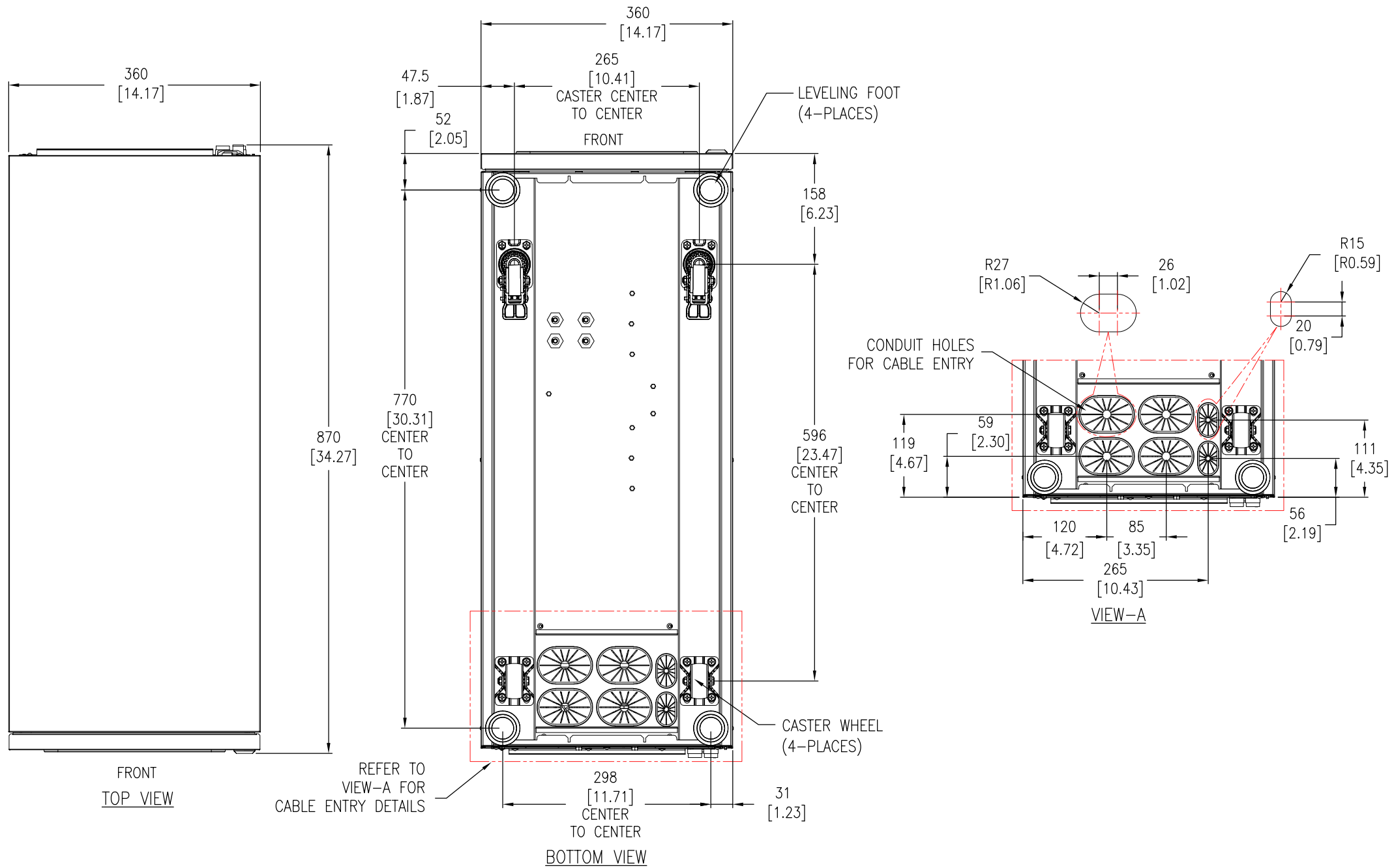
TITLE:
Schneider Electric Easy UPS 3M
80kVA, 400V, 3PH
WITHOUT BATTERY MODULES
GENERAL ARRANGEMENT

PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 6

DWG NO: E3MUPS80KH

DRAWN: DIBYA/JAYAPRAKASH	11-JUN-24
ENGINEER: Campbell BAI	11-JUN-24
APPROVED: YaPing YANG	11-JUN-24

REV. 1
FIRST
ANGLE
PROJECTION



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
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Schneider Electric

TITLE:
Schneider Electric Easy UPS 3M
80kVA, 400V, 3PH
WITHOUT BATTERY MODULES
TOP & BOTTOM VIEW

PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 6

DWG NO: E3MUPS80KH

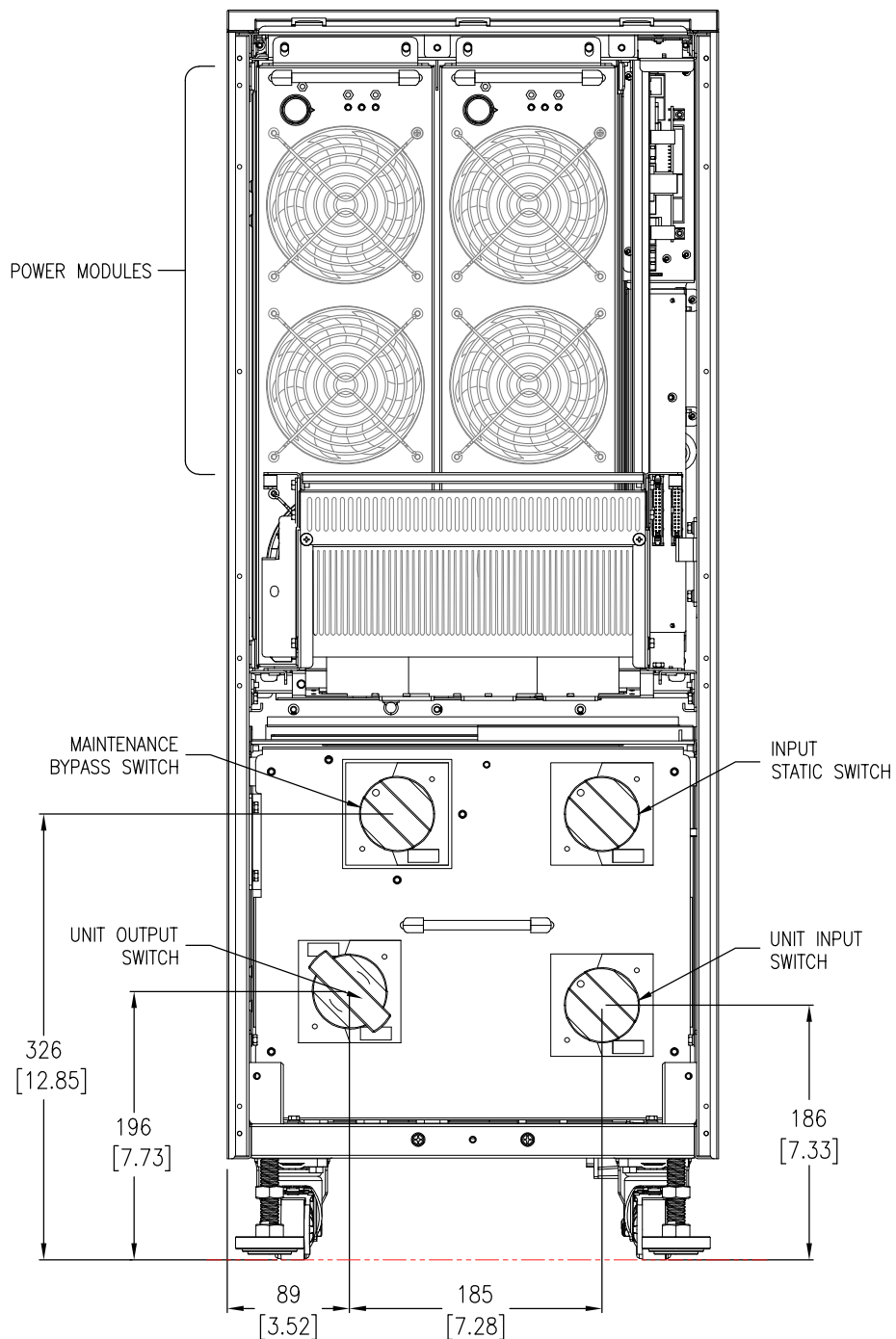
DRAWN: DIBYA/JAYAPRAKASH 11-JUN-24

ENGINEER: Campbell BAI 11-JUN-24

APPROVED: YaPing YANG 11-JUN-24

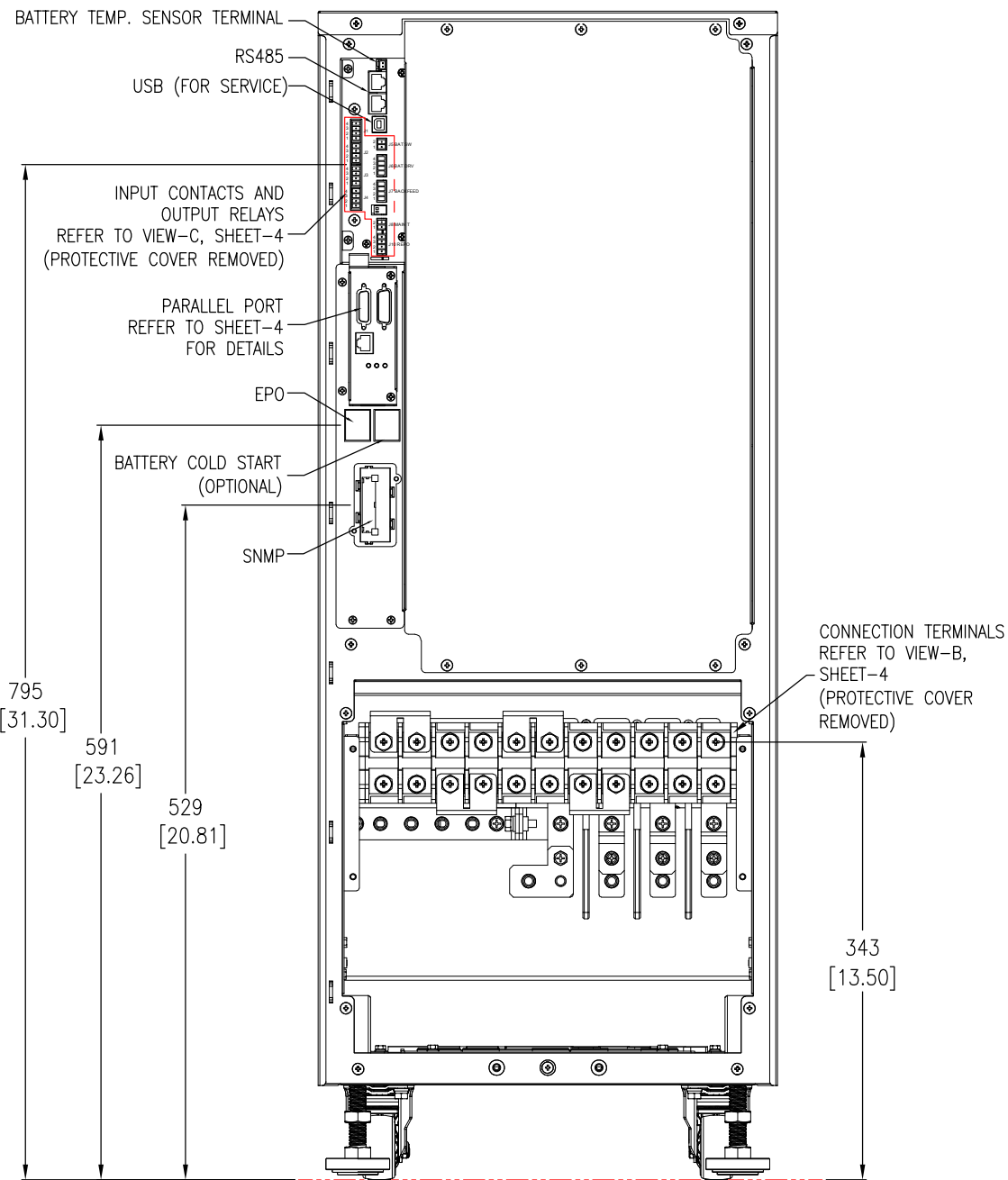
REV. 1

FIRST
ANGLE
PROJECTION



FRONT VIEW - INTERNAL

- NOTES:
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REAR VIEW

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Schneider Electric

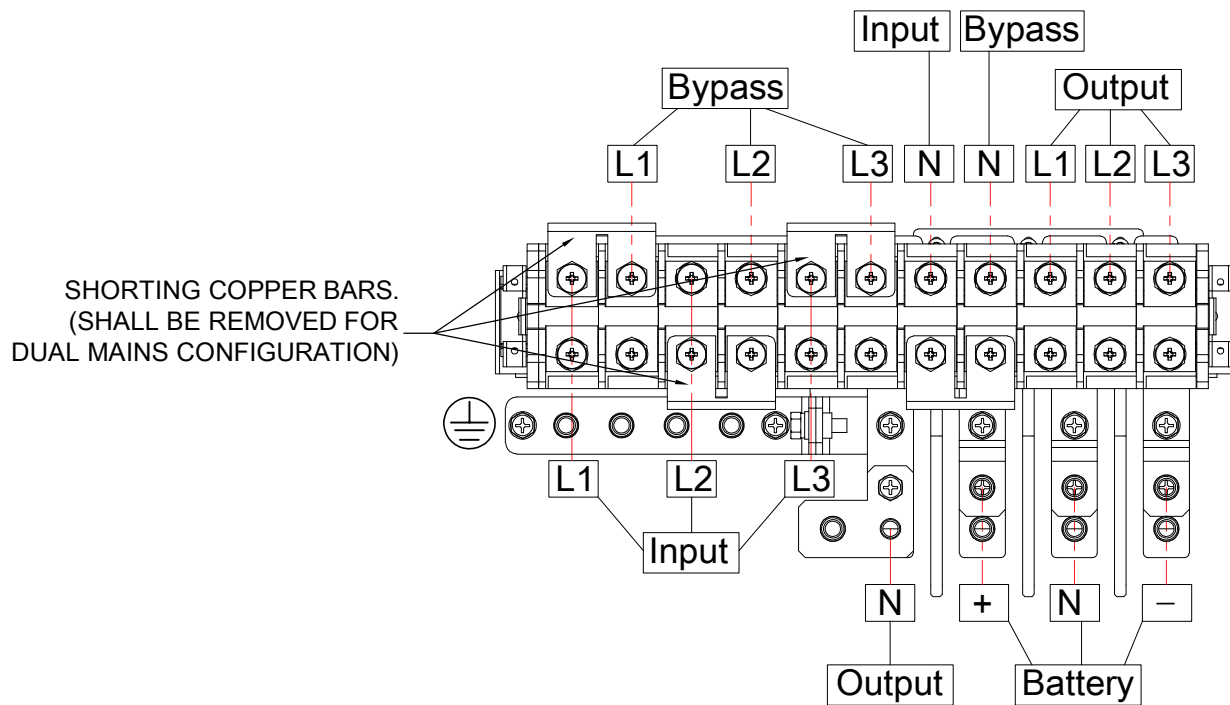
TITLE:
Schneider Electric Easy UPS 3M
80kVA, 400V, 3PH
WITHOUT BATTERY MODULES
INTERNAL FRONT AND REAR VIEW

PROJECT: SUBMITTAL DRAWINGS SHEET 3 OF 6

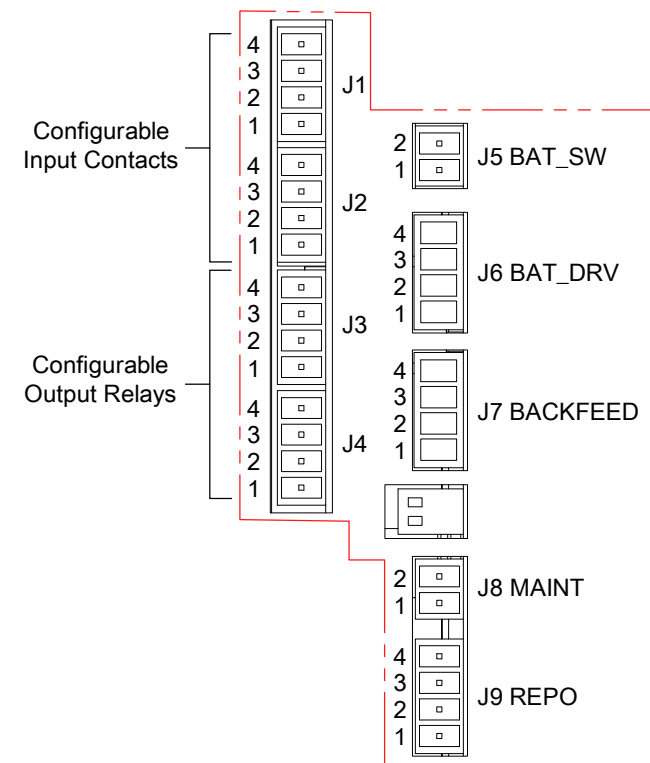
DWG NO: E3MUPS80KH
DRAWN: DIBYA/JAYAPRAKASH
ENGINEER: Ye YANG

APPROVED: Ye YANG/POSEIDON ZHU

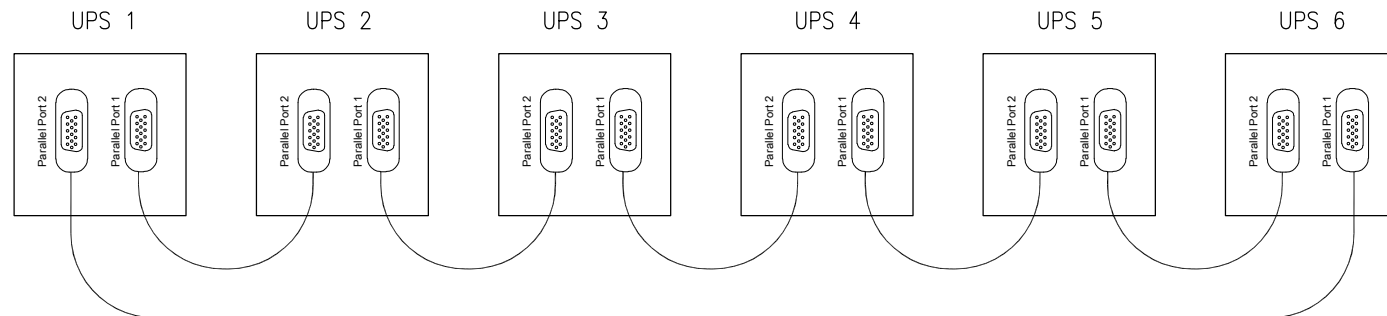
REV. 3
11-JUN-24
11-JUN-24
11-JUN-24
FIRST ANGLE PROJECTION



DETAIL-B, ENLARGED
CONNECTION TERMINALS



VIEW-C (ENLARGED)
INPUT CONTACTS AND OUTPUT RELAYS



PARALLEL CONNECTION

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. UP TO 6 NUMBERS OF UPS CAN BE CONNECTED IN PARALLEL.
MAXIMUM PARALLEL COMMUNICATION CABLE LENGTH IS 5.0METERS.

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Schneider Electric

TITLE:
Schneider Electric Easy UPS 3M
80KVA, 400V, 3PH
WITHOUT BATTERY MODULES
ENLARGED VIEWS AND DETAILS

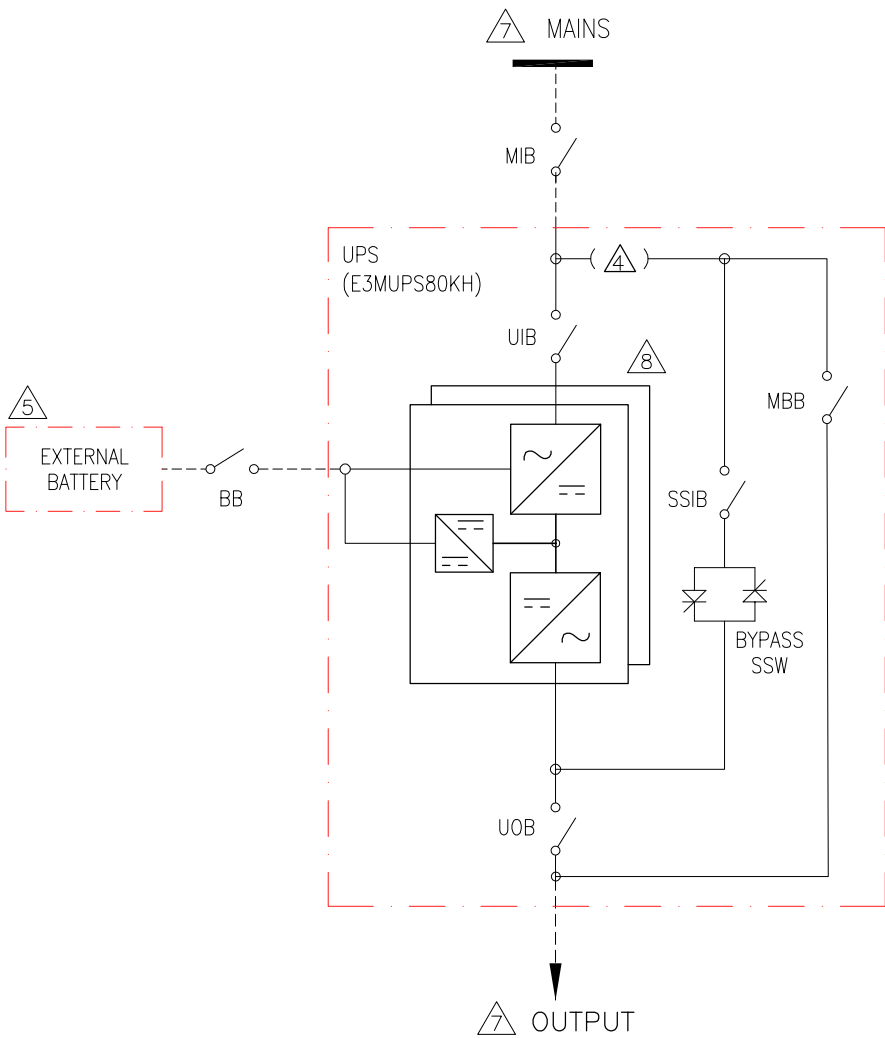
PROJECT: SUBMITTAL DRAWINGS SHEET 4 OF 6

DWG NO: E3MUPS80KH

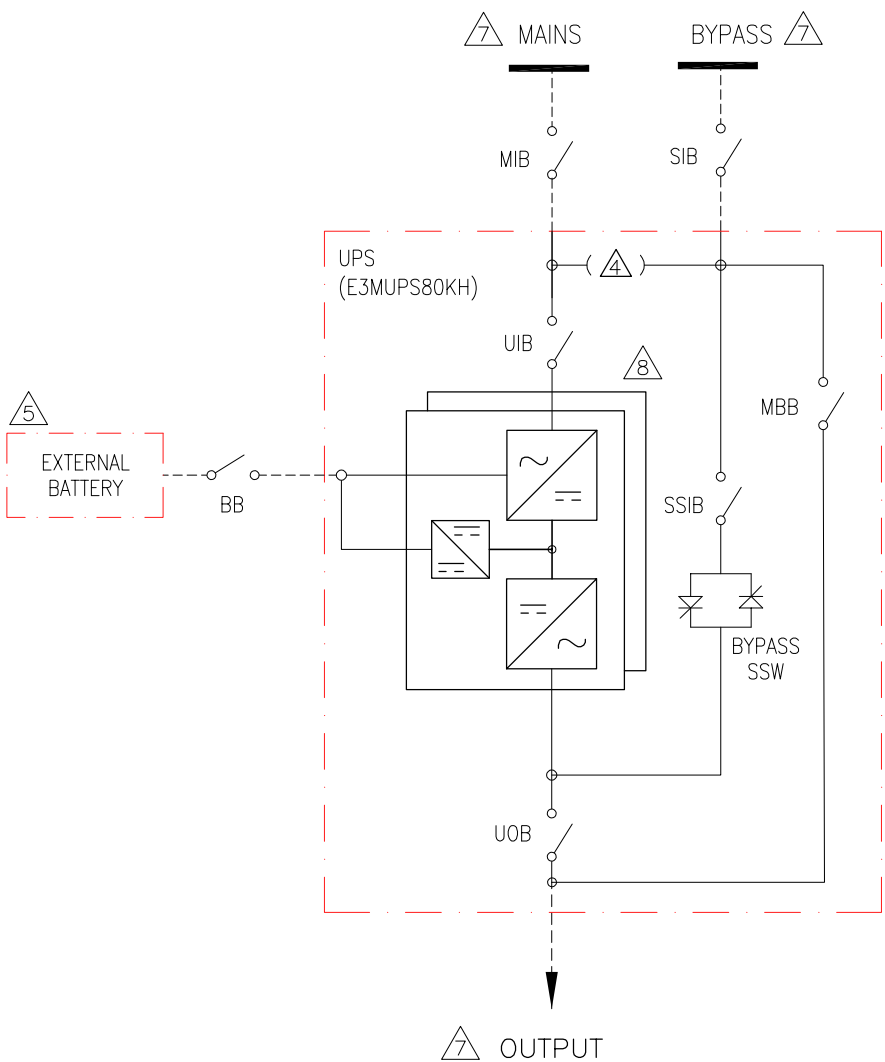
DRAWN:	JAYAPRAKASH	24-JAN-19
ENGINEER:	Compbell BAI	30-JAN-19
APPROVED:	YoPing YANG	30-JAN-19

REV.
FIRST
ANGLE
PROJECTION

SINGLE MAINS CONFIGURATION



DUAL MAINS CONFIGURATION



- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL REGULATIONS.
 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK
 3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IT IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT.
 4. SINGLE MAINS CONFIGURATION IS DEFAULT.
FOR DUAL MAINS CONFIGURATION REMOVE THE 3 SHORTING COPPER BARS.
 5. BATTERIES CAN BE CONNECTED IN SERIES DEPENDING UPON THE RUNTIME REQUIREMENTS.
 6. UP TO 6 UPS CAN BE CONNECTED IN PARALLEL.
 7. REFER TO SHEET-6 FOR ELECTRICAL DATA.
 8. 2xPOWER MODULES RATED AT 40KVA. NOT SCALABLE BUT INTERNAL REDUNDANCY IS POSSIBLE DEPENDING UPON THE LOAD REQUIREMENT.
 9. CABLE LUGS ARE PROVIDED BY OTHERS.

LEGEND:
----- CABLE PROVIDED BY OTHERS

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Schneider Electric

TITLE:
Schneider Electric Easy UPS 3M
80KVA, 400V, 3PH
WITHOUT BATTERY MODULES
SYSTEM ONLINE DIAGRAM

PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 6

DWG NO: E3MUPS80KH

DRAWN: JAYAPRAKASH 09-NOV-21

ENGINEER: Compbell BAI 09-NOV-21

APPROVED: YoPing YANG 09-NOV-21

REV. 1

FIRST

ANGLE

PROJECTION

ELECTRICAL DATA SHEET	
UPS RATING	80kVA
INPUT SPECIFICATIONS	
INPUT WIRING	3W+N+PE
INPUT VOLTAGE (V)	380/400/415
NOMINAL INPUT CURRENT (A)	128/122/117
MAXIMUM INPUT CURRENT (A)	154/146/141
INPUT CURRENT LIMITATION (A)	206
INPUT FREQUENCY (Hz)	40 - 70
INPUT POWER FACTOR	>0.99
MAXIMUM INPUT SHORTCIRCUIT WITHSTAND (kA)	Icw=10
PROTECTION	FUSE
RAMP-IN (SECONDS)	7
INPUT THDI - LINEAR LOAD	< 3%
BYPASS SPECIFICATIONS	
BYPASS WIRING	3W+N+PE
OVERLOAD CAPACITY	110% FOR 60 MINUTES
	130% FOR 10 MINUTES
	130-150% FOR 1 MINUTE
	>150% FOR 1200 MILLISECONDS
BYPASS VOLTAGE (V)	380/400/415
MINIMUM BYPASS VOLTAGE (V)	266/280/291
MAXIMUM BYPASS VOLTAGE (V)	475/480/477
NOMINAL BYPASS CURRENT (A)	122/115/111
BYPASS FREQUENCY (Hz)	50/60
MAXIMUM INPUT SHORTCIRCUIT WITHSTAND (kA)	Icw=10
OUTPUT SPECIFICATIONS	
OUTPUT WIRING	3W+N+PE
OVERLOAD CAPACITY AT 30°C	110% FOR 60 MINUTES
	125% FOR 10 MINUTES
	150% FOR 1 MINUTE
	>150% FOR 1200 MILLISECONDS
OUTPUT VOLTAGE (V)	380/400/415 (±1%)
NOMINAL OUTPUT CURRENT (A)	122/115/111
OUTPUT FREQUENCY (Hz)	50/60
OUTPUT POWER FACTOR	1
OUTPUT THDU	<3%@ 100% LINEAR LOAD, < 5%@ 100% NON-LINEAR LOAD
BATTERY SPECIFICATIONS	
CHARGING POWER IN % OF OUTPUT POWER	1-30%
MAXIMUM CHARGING POWER (W)	24000
NOMINAL BATTERY VOLTAGE (32-50 Blocks) (VDC)	±192 to ±300
NOMINAL FLOAT VOLTAGE (32-50 Blocks) (VDC)	±215.5 to ±337.5
END OF DISCHARGE VOLTAGE (32-50 Blocks) (VDC)	±153.6 to ±240
BATTERY CURRENT AT FULL LOAD AND NOMINAL BATTERY VOLTAGE (36-50 Blocks) (A)	196-140
BATTERY CURRENT AT FULL LOAD AND MINIMUM BATTERY VOLTAGE (36-50 Blocks) (A)	246-176
TEMPERATURE COMPENSATION (PER CELL) IF THE TEMPERATURE IS ABOVE 28°C	PROGRAMMABLE FROM 0-7mV. DEFAULT IS 3mV
RIPPLE CURRENT	<5% C10

RECOMMENDED CABLE SIZES			
	CABLE SIZE PER PHASE (mm²)	NEUTRAL CABLE SIZE (mm²)	PE CABLE SIZE (mm²)
INPUT	50	2x50	25
BYPASS	50		25
OUTPUT	50	2x50	25
BATTERY	2x50	-	50

NOTES:

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TITLE: Schneider Electric Easy UPS 3M 80kVA, 400V, 3PH WITHOUT BATTERY MODULES ELECTRICAL DATA	
PROJECT: SUBMITTAL DRAWINGS	SHEET 6 OF 6

DWG NO:	E3MUPS80KH		REV. 1
DRAWN:	JAYAPRAKASH	29-MAR-19	FIRST ANGLE PROJECTION
ENGINEER:	Compbell BAI	29-MAR-19	
APPROVED:	YaPing YANG	29-MAR-19	