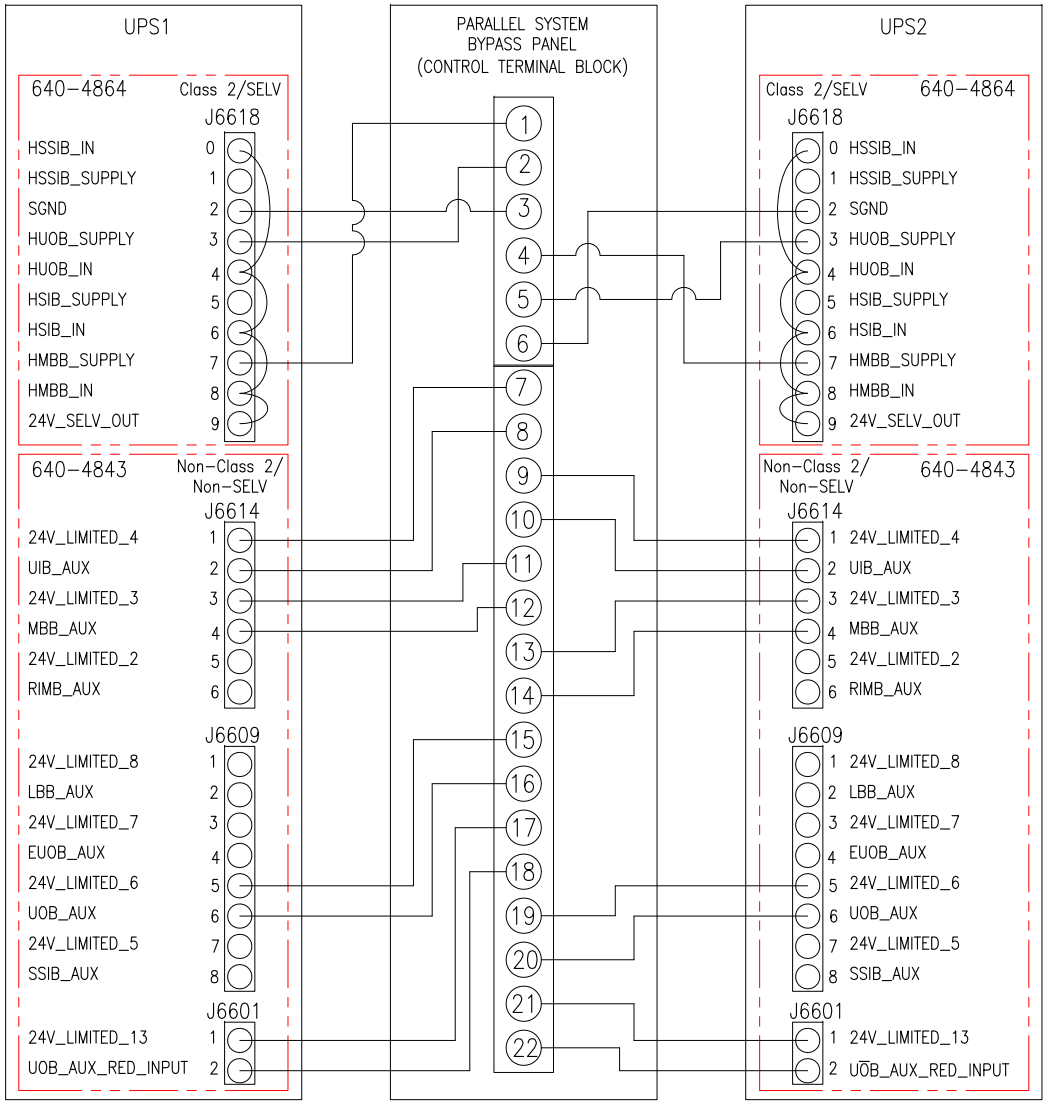
INTERFACE WRING BETWEEN UPSs' AND PARALLEL SYSTEM BYPASS PANEL
(GVSBPAR10K30H/GVSBPAR40K50H/GVSBPAR60K120H)



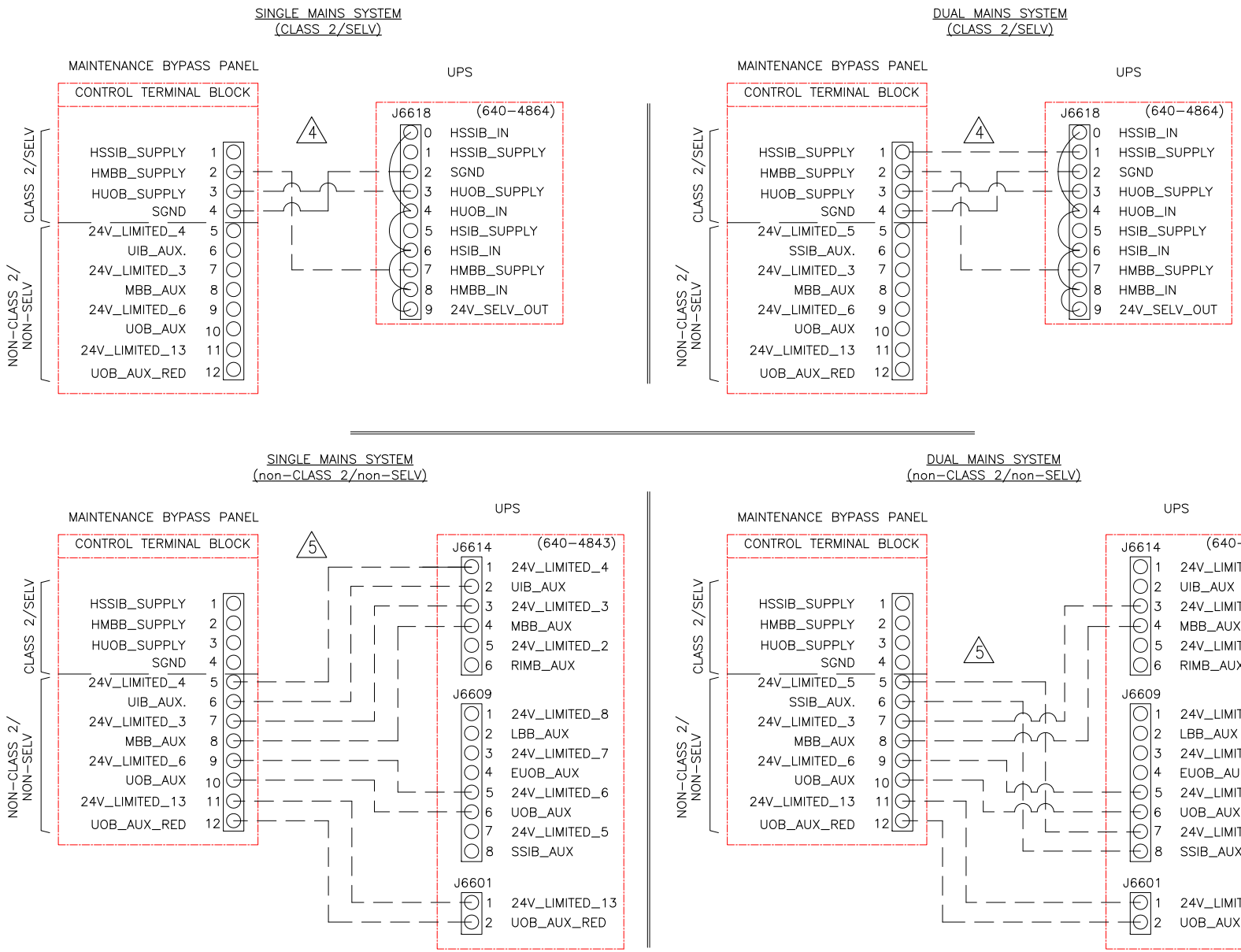
NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. PLEASE REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. CABLES BETWEEN UPSs AND SYSTEM BYPASS PANEL PROVIDED BY OTHERS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

TITLE:	GALAXY VS Input: 380/400/415V 3PH 50Hz Output: 380/400/415V 3PH 10-50kW UPS TO PARALLEL MBP INTERFACE DETAILS SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS	SHEET 1 OF 5
DWG NO:	GVS10K50HSAIO-WD
REV.	1
DRAWN BY:	BALA 3-FEB-20
ENGINEER:	S ANDERSEN 3-FEB-20
APPROVED BY:	ChenLei BAO 3-FEB-20
ANGLE PROJECTION	N.A

INTERFACE BETWEEN SINGLE UPS AND SINGLE UNIT MAINTENANCE BYPASS PANEL (GVSBPSU10K20H/GVSBPSU20K60H/GVSBPSU80K120H)



NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. — — — CABLES PROVIDED BY OTHERS.

△4. CABLES ARE CLASSIFIED AS CLASS2/SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.

△5. CABLES ARE CLASSIFIED AS NON-CLASS2/NON-SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.

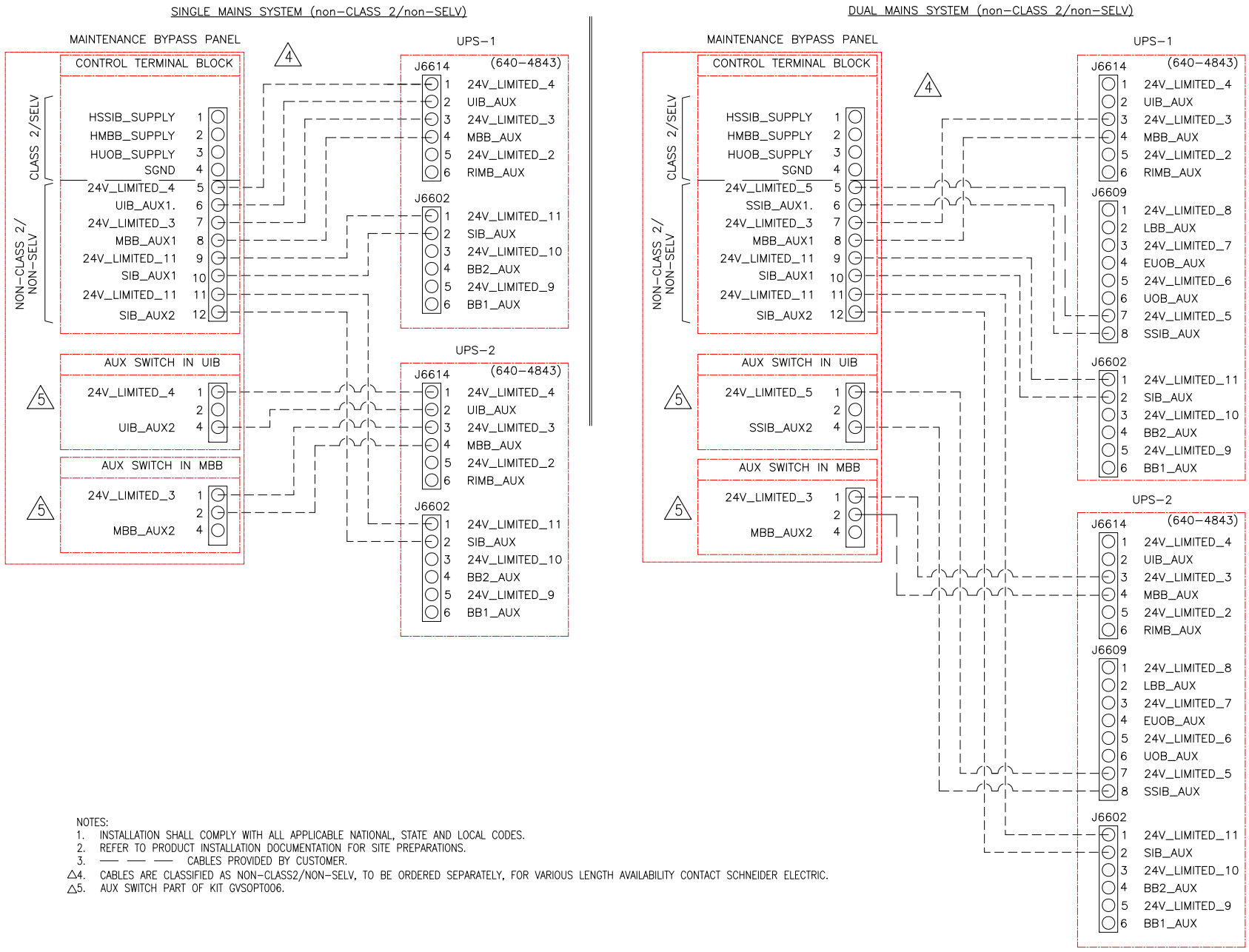
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

TITLE:	GALAXY VS Input: 380/400/415V 3PH 50Hz Output: 380/400/415V 3PH 10-50kW 1 MOD UPS TO SINGLE UNIT MBP INTERFACE DETAILS SYSTEM WIRING DIAGRAM
PROJECT: DRAWINGS	SHEET 2 OF 5

DWG NO:	GVS10K50HSAIO-WD		REV. 1
DRAWN BY:	BALA	3-FEB-20	ANGLE PROJECTION
ENGINEER:	S ANDERSEN	3-FEB-20	N.A
APPROVED BY:	ChenLei BAO	3-FEB-20	

INTERFACE BETWEEN 1+1 SIMPLIFIED PARALLEL UPS AND SINGLE UNIT MAINTENANCE BYPASS PANEL (GVSBPSU10K20H/GVSBPSU20K60H/GVSBPSU80K120H)



NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. —— —— —— CABLES PROVIDED BY CUSTOMER.

△4. CABLES ARE CLASSIFIED AS NON-CLASS2/NON-SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.

△5. AUX SWITCH PART OF KIT GVSOPT006.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

TITLE: GALAXY VS
Input: 380/400/415V 3PH 50Hz
Output: 380/400/415V 3PH 10-50kW
1+1 MOD UPS-SINGLE UNIT MBP INTERFACE DETAILS
SYSTEM WIRING DIAGRAM

PROJECT: DRAWINGS | SHEET 3 OF 5

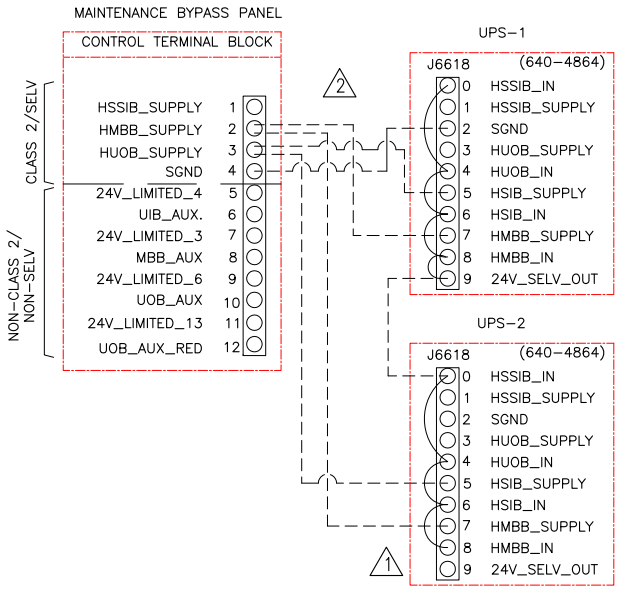
DWG NO: GVS10K50HSAIO-WD | REV. 1

DRAWN BY:	BALA	3-FEB-20
ENGINEER:	S ANDERSEN	3-FEB-20
APPROVED BY:	ChenLei BAO	3-FEB-20

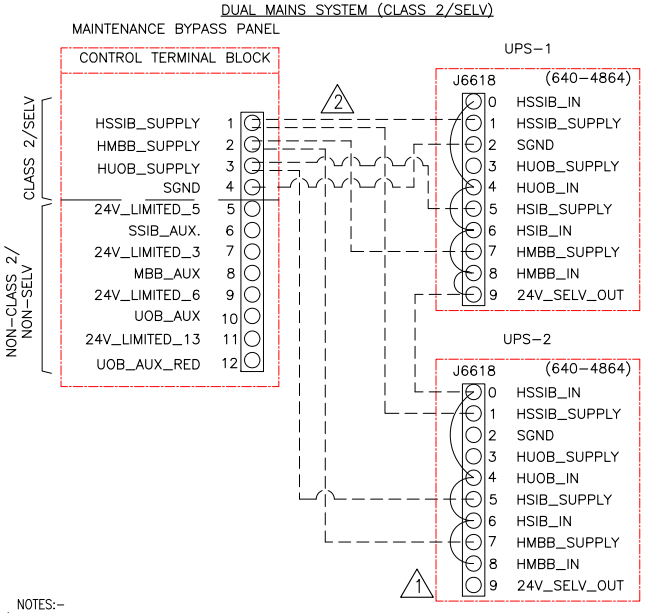
ANGLE PROJECTION N.A

INTERFACE BETWEEN 1+1 SIMPLIFIED PARALLEL UPS AND SINGLE UNIT MAINTENANCE BYPASS PANEL (GVSBPSU10K20H/GVSBPSU20K60H/GVSBPSU80K120H)

SINGLE MAINS SYSTEM (CLASS 2/SELV)



DUAL MAINS SYSTEM (CLASS 2/SELV)



NOTES:-

△1. ON UPS2: CUT THE PRE-INSTALLED JUMPER BETWEEN PINS 8 AND 9 ON THE TERMINAL CONNECTOR FOR J6618 ON BOARD 640-4864.

△2. CABLES ARE CLASSIFIED AS CLASS2/SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.

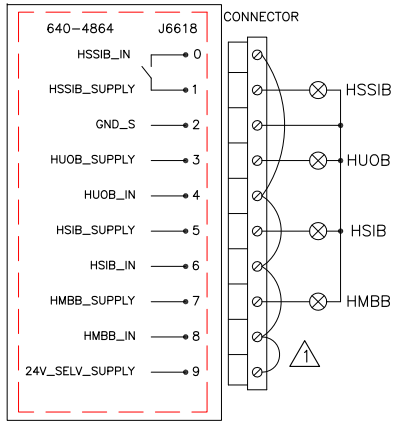
COMMON NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.

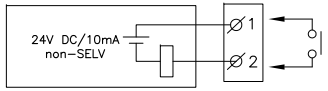
INTERFACE BETWEEN UPS AND THIRD-PARTY AUXILIARY PRODUCTS

GALAXY VS UPS

Class2/SELV INTERFACE 640-4864



Non-Class2/Non-SELV INTERFACE 640-4843



J6601 (UOB)

1 24V_LIMITED_13
2 UOB_AUX_RED

J6602 (SIB)

1 24V_LIMITED_11
2 SIB_AUX
3 24V_LIMITED_10
4 BB2_AUX
5 24V_LIMITED_9
6 BB1_AUX

J6609 (UOB/SSIB)

1 24V_LIMITED_8
2 LBB_AUX
3 24V_LIMITED_7
4 EUOB_AUX
5 24V_LIMITED_6
6 UOB_AUX
7 24V_LIMITED_5
8 SSIB_AUX

J6614 (UIB)

1 24V_LIMITED_4
2 UIB_AUX
3 24V_LIMITED_3
4 MBB_AUX
5 24V_LIMITED_2
6 RIMB_AUX

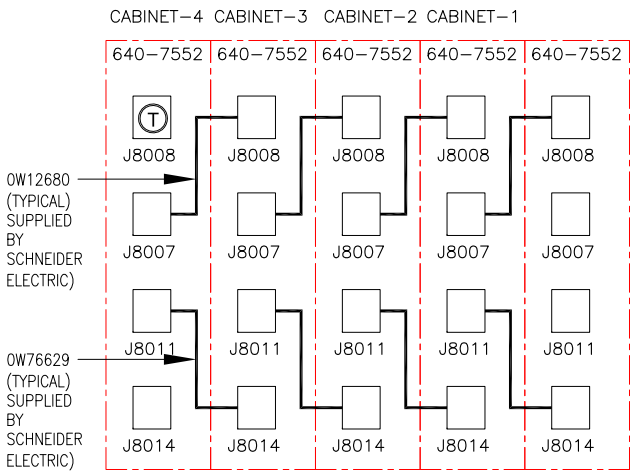
NOTES:

△1. CONNECT SIGNAL CABLES FROM THE BREAKER INDICATOR LIGHTS IN YOUR SWITCHGEAR TO BOARD 640-4864 TERMINAL J6618 IN THE TOP OF THE UPS. IF AN EXTERNAL SUPPLY IS USED, REMOVE JUMPER FROM J6618 BETWEEN PIN 8 AND9.

2. THE BREAKER INDICATOR LIGHT CIRCUIT IS CONSIDERED CLASS 2/ SELV. THIS CIRCUIT MUST BE ISOLATED FROM PRIMARY CIRCUITRY. DO NOT CONNECT ANY CIRCUIT TO THE BREAKER INDICATOR LIGHT TERMINALS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2/SELV.

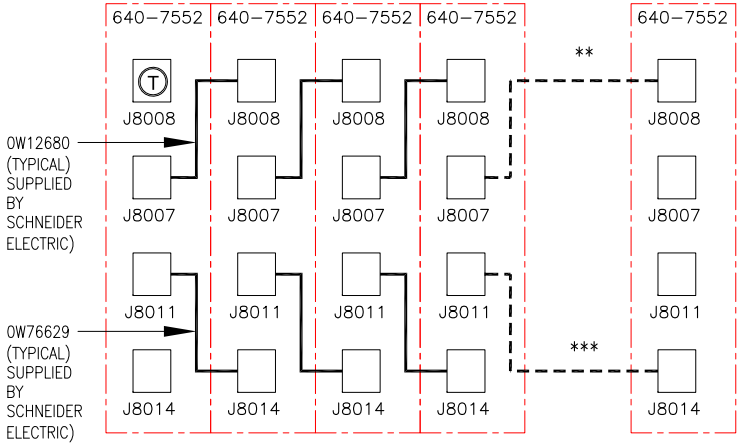
UPS WITH ADJACENT MODULAR BATTERY CABINETS

MODULAR BATTERY CABINETS UPS



UPS WITH REMOTE MODULAR BATTERY CABINETS

MODULAR BATTERY CABINETS UPS



** THIS CABLE IS CLASSIFIED AS CLASS2/SELV, TO BE ORDERED SEPARATELY, FOR VARIOUS LENGTH AVAILABILITY CONTACT SCHNEIDER ELECTRIC.

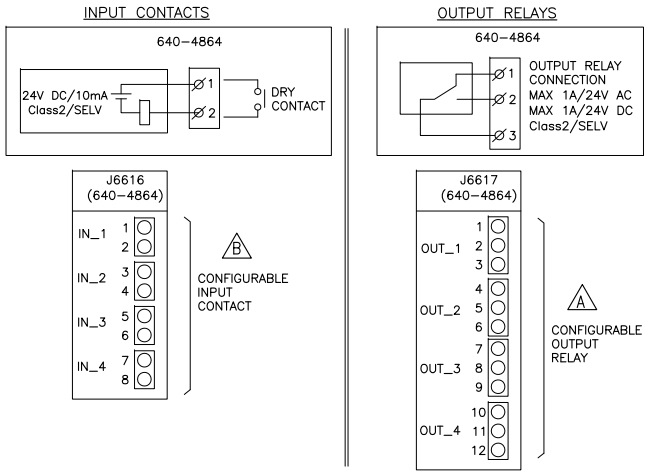
*** THIS CABLE IS CLASSIFIED AS NON-CLASS2/NON-SELV, THE PROVIDED SIGNAL CABLE 0W76629 IS NOT LONG ENOUGH FOR A REMOTE INSTALLATION. REUSE THE CONNECTIONS FROM THE PROVIDED SIGNAL CABLE 0W76629 TO MAKE A NEW SIGNAL CABLES IN THE CORRECT LENGTH.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

TITLE: GALAXY VS Input: 380/400/415V 3PH 50Hz Output: 380/400/415V 3PH 10-50kW UPS- MBC wXFMR , 3RD PARTY MBC BATT CABLING SYSTEM WIRING DIAGRAM	DWG NO: GVS10K50HSAIO-WD		REV. 1
	DRAWN BY: BALA	3-FEB-20	ANGLE PROJECTION
	ENGINEER: S ANDERSEN	3-FEB-20	N.A
PROJECT: DRAWINGS SHEET 4 OF 5	APPROVED BY: ChenLei BAO	3-FEB-20	

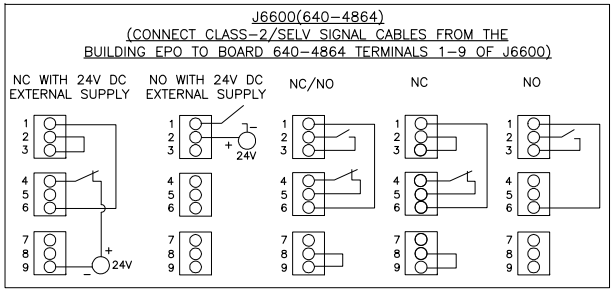
EQUIPMENT TO INPUT CONTACTS AND OUTPUT RELAYS (IN UPS)



△A. MAX 24V AC/ 24V DC 1A MUST BE CONNECTED TO THE OUTPUT RELAYS. ALL EXTERNAL CIRCUITRY MUST BE FUSED WITH MAXIMUM 1 A FAST ACTING FUSES.

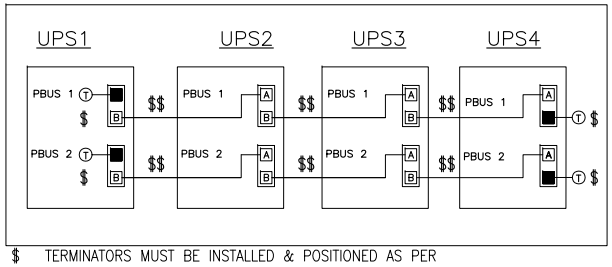
△B. DO NOT CONNECT ANY CIRCUIT TO THE INPUT CONTACTS UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS 2. ALL CIRCUITS CONNECTED MUST HAVE THE SAME 0V REFERENCE.

EMERGENCY POWER OFF (EPO) CONFIGURATIONS (IN UPS)



THE EPO CIRCUIT IS CONSIDERED CLASS2/SELV. CLASS2/SELV CIRCUITS MUST BE ISOLATED FROM THE PRIMARY CIRCUITRY. DO NOT CONNECT ANY CIRCUIT TO THE EPO TERMINAL BLOCK UNLESS IT CAN BE CONFIRMED THAT THE CIRCUIT IS CLASS2/SELV.

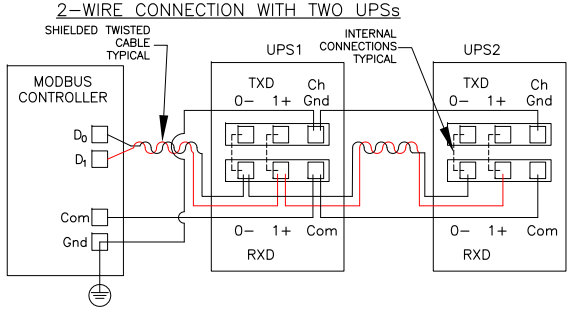
PBUS CONNECTIONS (GVSOPT006)



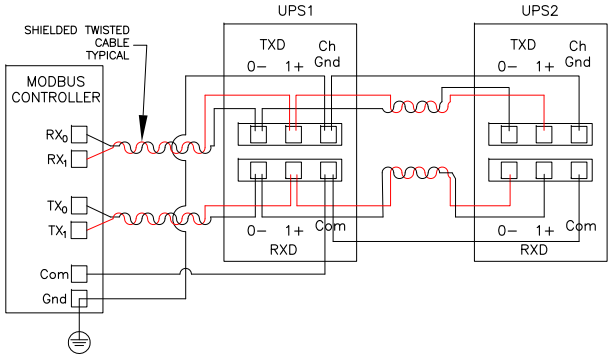
$ TERMINATORS MUST BE INSTALLED & POSITIONED AS PER INSTALLATION MANUAL FOR PARALLEL OPERATION.

$$ PBUS1 CABLES ARE WHITE AND PBUS2 ARE RED, WITH A LENGTH OF 25 METERS EACH. CABLES TO BE ORDERED BY OPTIONAL SKU GVSOPT006 (PARALLEL COMMUNICATION KIT).

2-WIRE CONNECTION WITH TWO UPSs

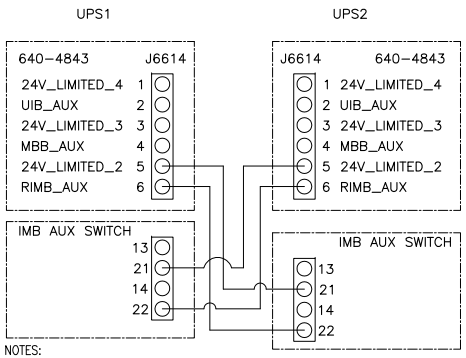


4-WIRE CONNECTION WITH TWO UPSs



NOTES:
1. THE SHIELD CONNECTION TO THE GROUND MUST BE AS SHORT AS POSSIBLE (IDEALLY BELOW 1CM). THE SHIELD MUST BE CONNECTED TO EACH DEVICE.
2. ROUTE SIGNAL CABLES SEPARATELY FROM POWER CABLES TO ENSURE SUFFICIENT ISOLATION.
3. THE MODBUS PORT IS OPTICALLY ISOLATED. THE GROUND OF THE MODBUS PORT IS NOT CONNECTED TO ANY OTHER GROUND.
4. INSTALL 150 OHM TERMINATION RESISTORS AT EACH END OF EACH BUS IF THE BUSES ARE VERY LONG AND OPERATE AT HIGH DATA RATES. BUSSES UNDER 610 METERS (2000 FEET) AT 9600 BAUD OR UNDER 305 METERS (1000 FEET) AT 19.2 BAUD SHOULD NOT REQUIRE TERMINATION RESISTORS.
5. INSTALL 400-650 OHM BIAS RESISTORS AT OR INSIDE THE SYSTEM CONTROLLER, ONE FROM D0 TO GROUND AND ONE FROM D1 TO +5V DC.

SIMPLIFIED 1+1 PARALLEL SYSTEM INTERFACE (non-CLASS2/non-SELV)



NOTES:
1. INTERFACE CABLES (LENGTH: 25 METERS) BETWEEN MAINTENANCE UPSs CAN BE ORDERED FROM THE OPTION SKU GVSOPT006.

COMMON NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

TITLE:	GALAXY VS Input: 380/400/415V 3PH 50Hz Output: 380/400/415V 3PH 10-50kW UPS IN/OUT RELAY, EPO, PBUS SYSTEM WIRING DIAGRAM		
DWG NO:	GVS10K50HSAIO-WD		REV. 1
DRAWN BY:	BALA	3-FEB-20	ANGLE PROJECTION
ENGINEER:	S ANDERSEN	3-FEB-20	N.A
APPROVED BY:	ChenLei BAO	3-FEB-20	
PROJECT: DRAWINGS	SHEET 5 OF 5		