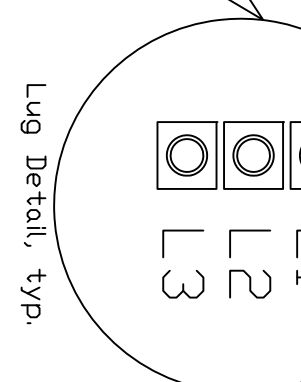
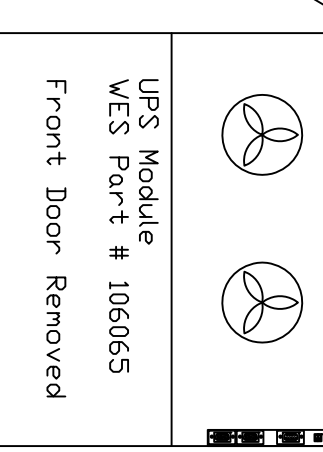
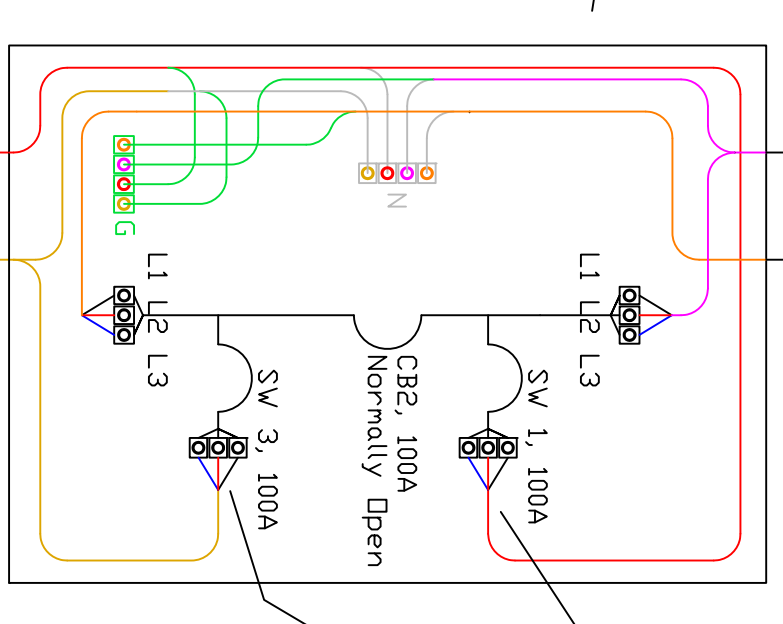


External Maintenance Bypass Panel
WES Part # 106068

Knockout Centerlines
6\"/>
 From left for UPS Input (CB1)
12\"/>
 From left for UPS Output (CB3)
MBP Input locate as required, align with above if top entry
MBP Output locate as required, align with above if top entry
Wall Mounted - Top of Panel 80\"/>
 AFF

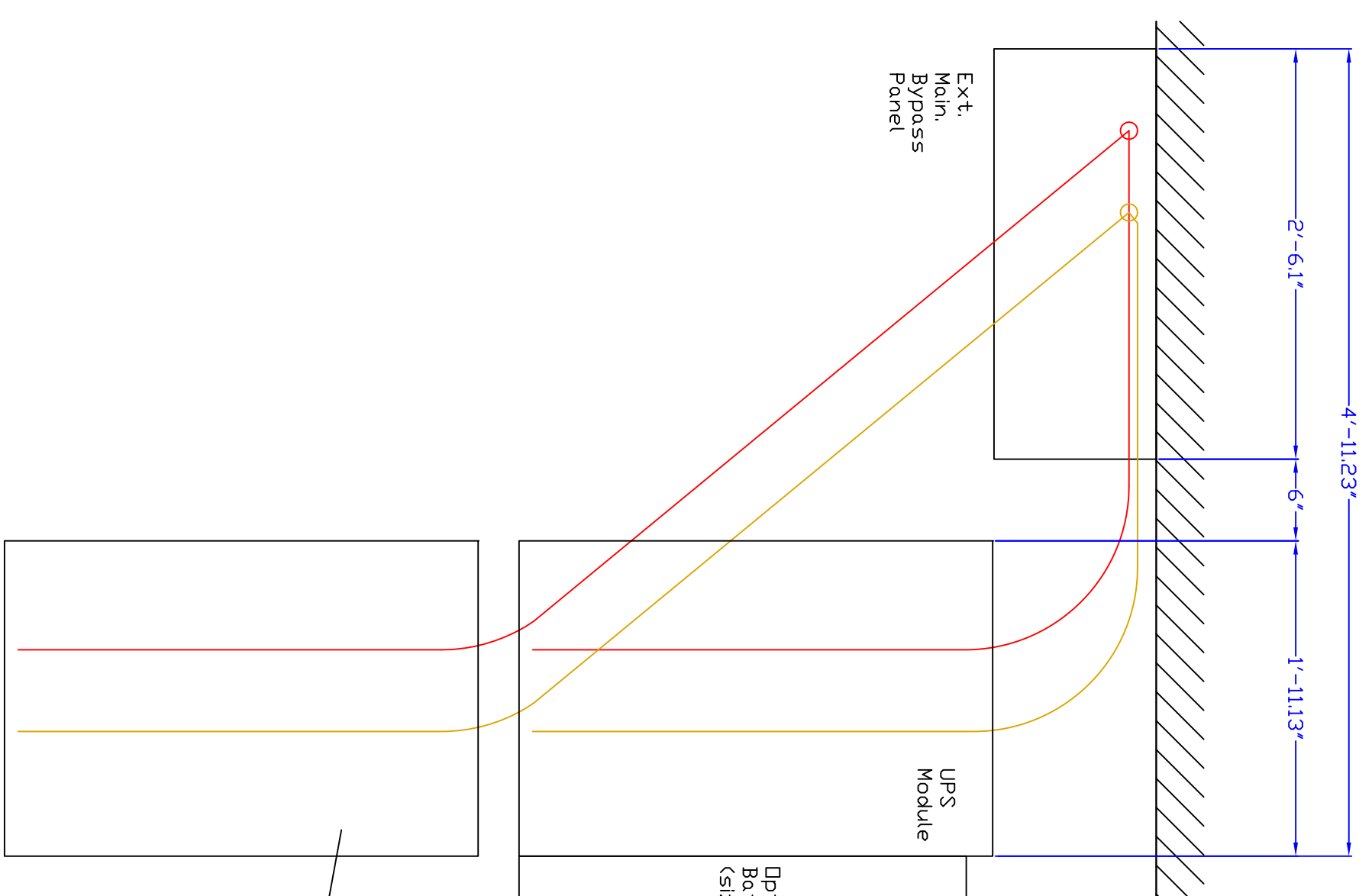
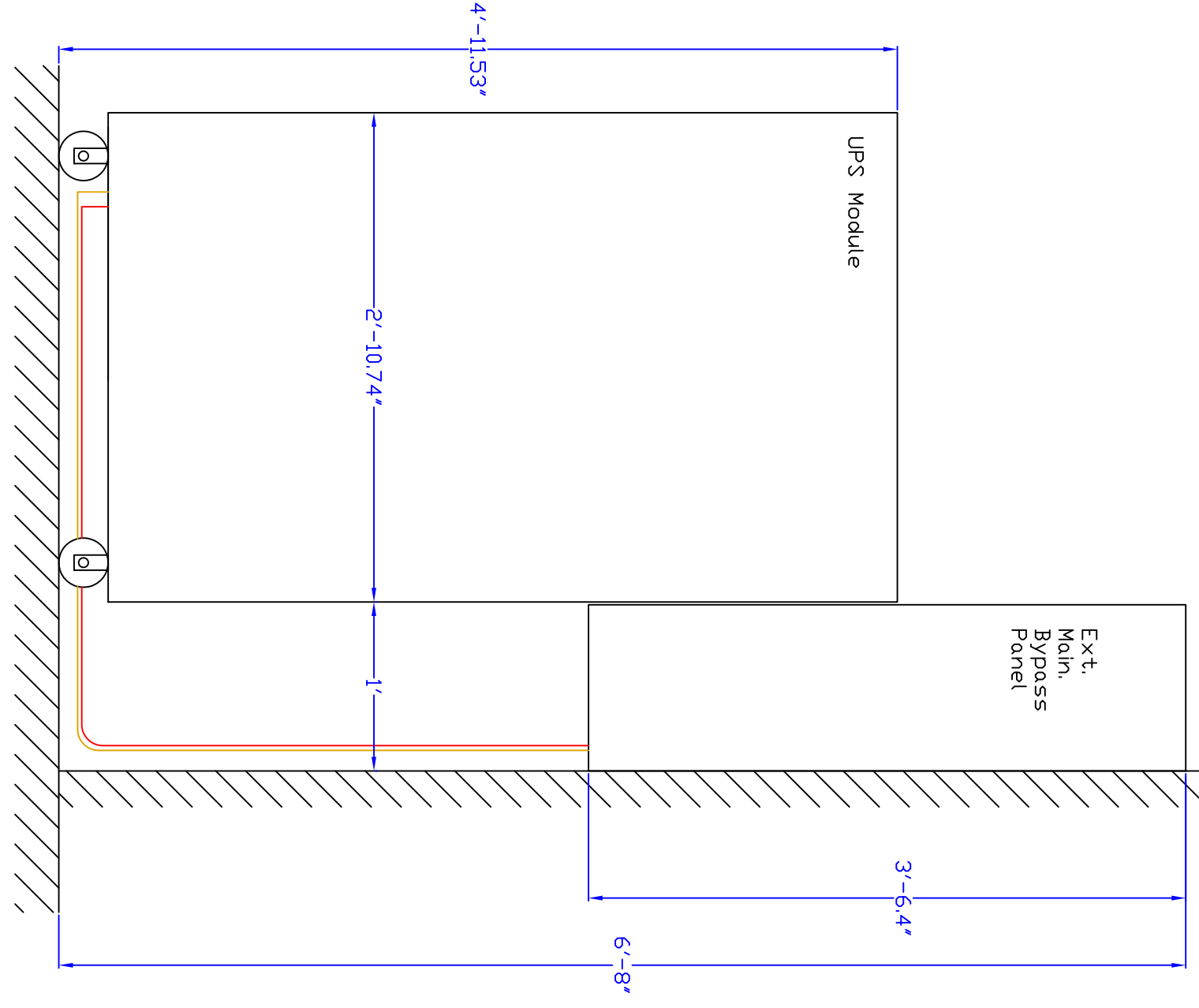
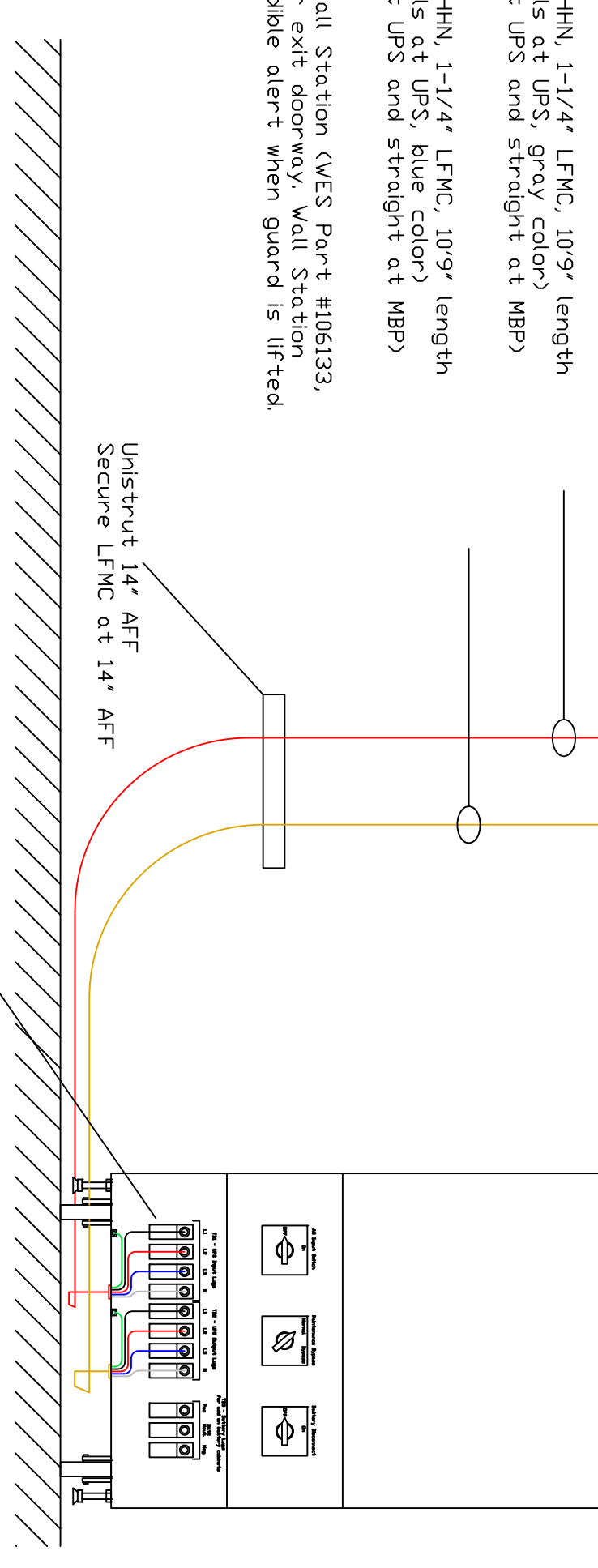


28.8 kVA Installations

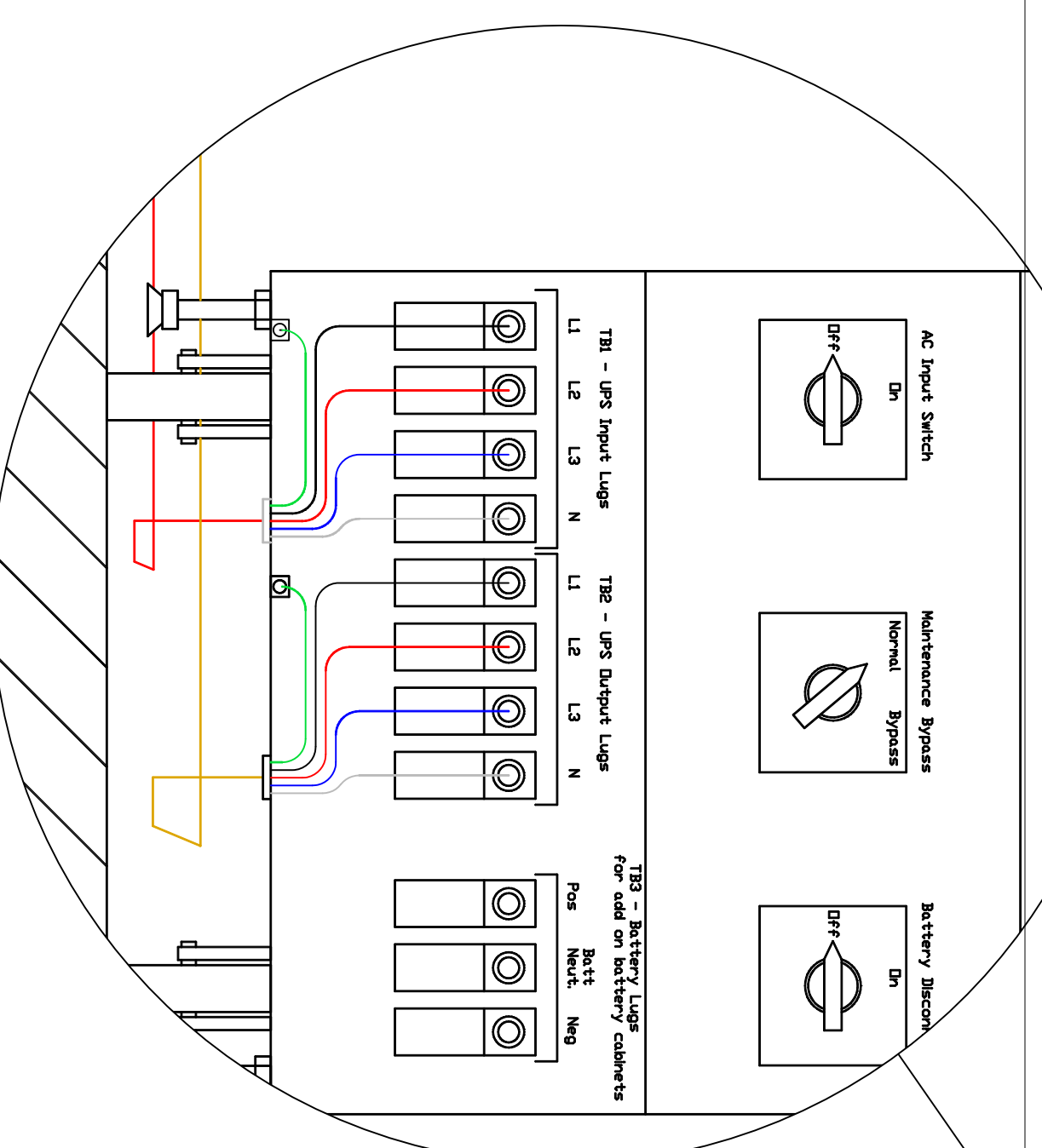
(4)M3 AVG (4)M6 AVG Gnd CU THHN, 1-1/4\"/>
 LPMC, 109\"/>
 length
 (10\"/>
 Pilotails at Panel 24\"/>
 Pilotails at UPS, gray color
 LPMC Liquidtight Fittings, 90 at UPS and straight at MBP
 WES Part # 106059

(4)M3 AVG (4)M6 AVG Gnd CU THHN, 1-1/4\"/>
 LPMC, 109\"/>
 length
 (10\"/>
 Pilotails at Panel 24\"/>
 Pilotails at UPS, blue color
 LPMC Liquidtight Fittings, 90 at UPS and straight at MBP
 WES Part # 106060

Remote Emergency Power Off Wall Station (WES Part #106153,
 not shown) to be mounted near exit doorway, Wall Station
 includes standard cover and audible alert when ground is lifted.

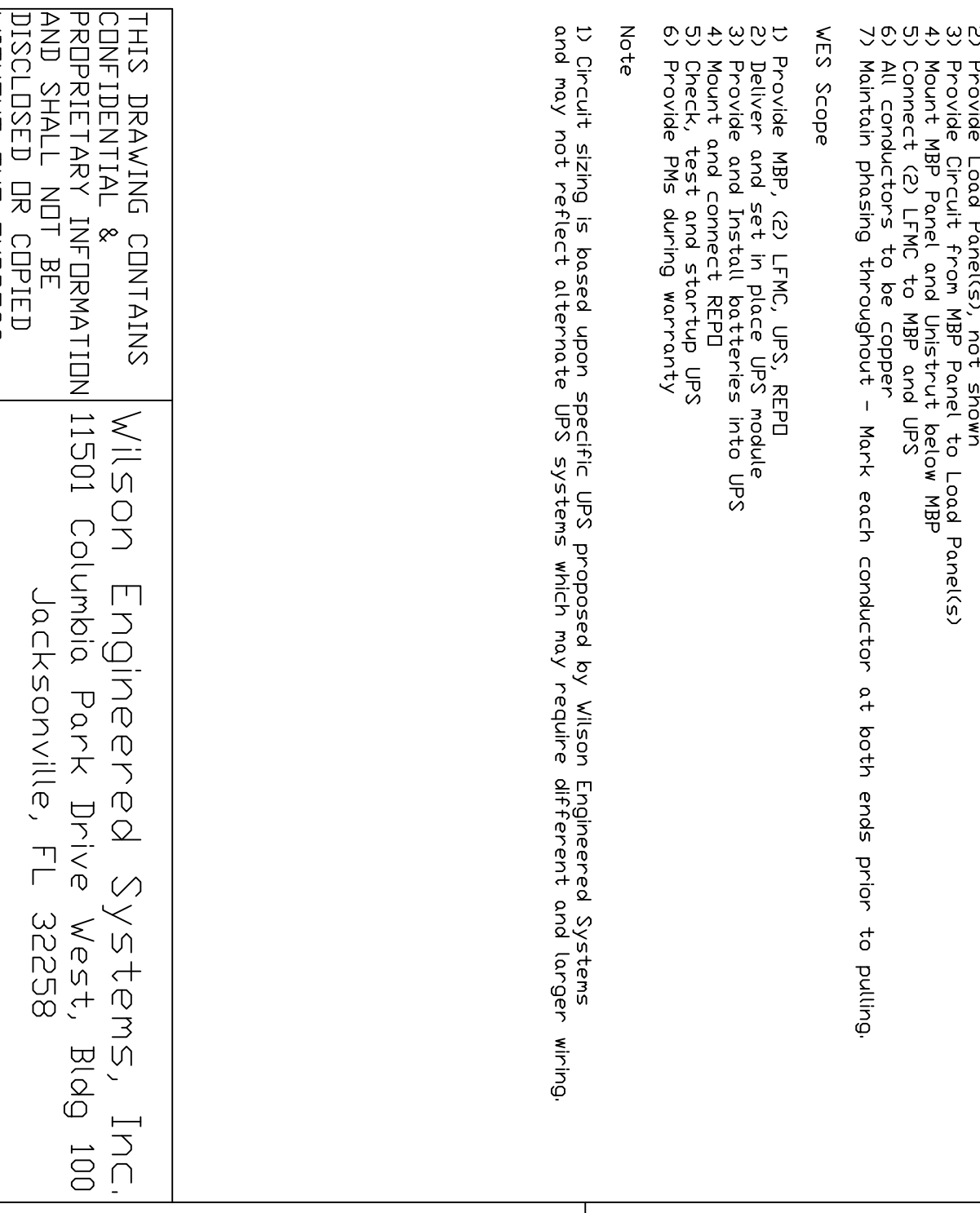
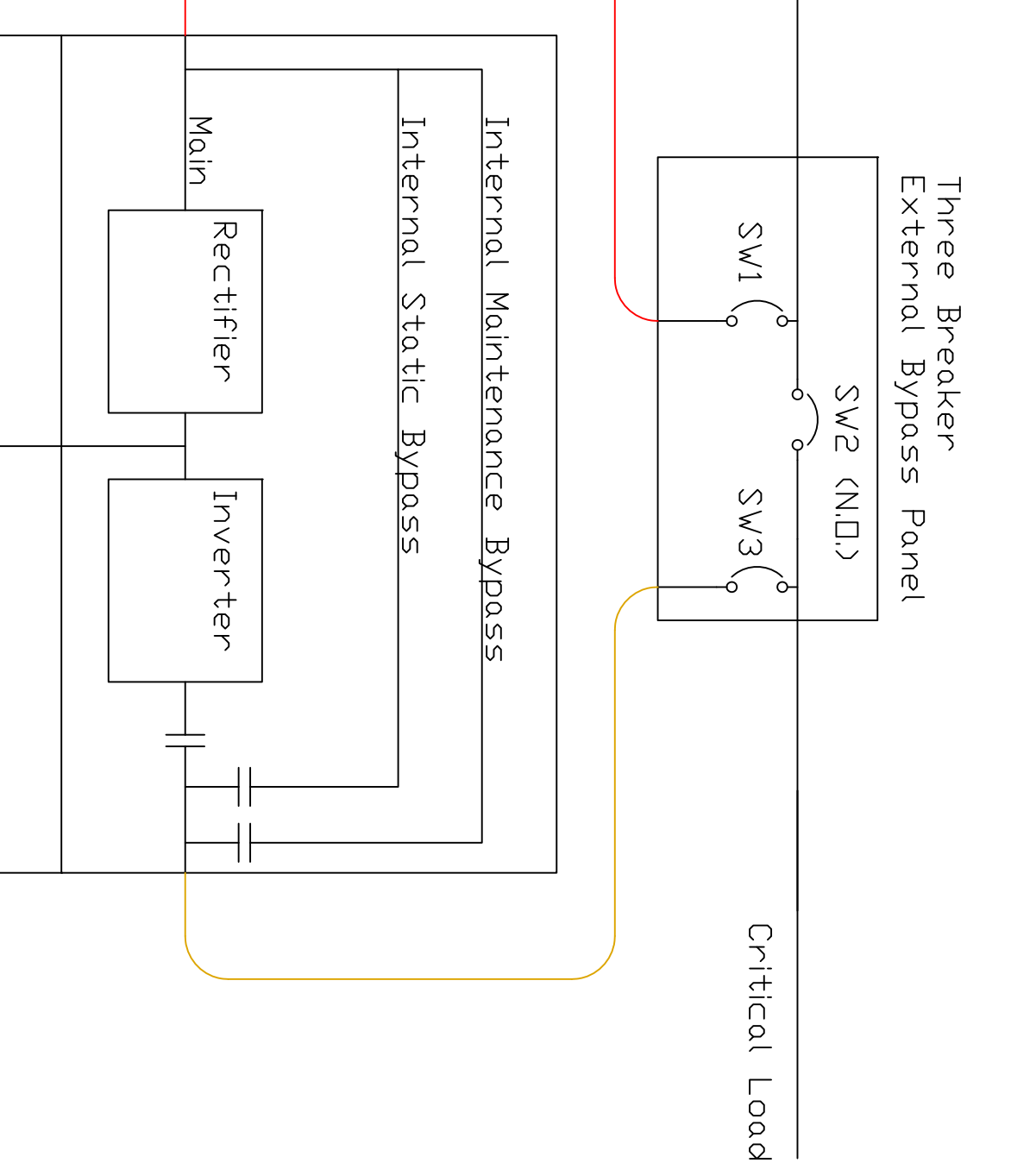
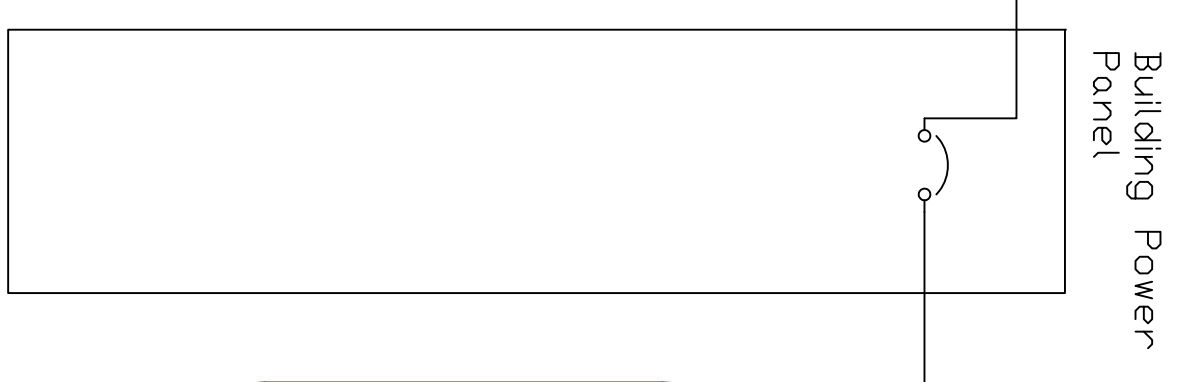


Top View



UPS Connections Detail

UPS Specifications	
Output kVA	28.8 kVA
Output kW	23 kW
Input Voltage	120/208/3, 4W + G
Input Voltage Tolerance	177 to 239 VAC
Input Current THD	1% Full load, 2% Half load
Input Frequency Range	43 to 67 Hz
Output Voltage	120/208/3, 4W + G
Output Voltage THD	2%
Overload Capability (on inverter)	300% for 10 seconds
Rectifier Type	7.5 kHz IGBT
Inverter Type	7.5 kHz IGBT
Battery Type	VRLA, 432 VDC
Internal Battery Reserve Time	9 minutes
Power Paths	Main, static, internal MBP, external MBP
Warranty	2 Years
PfMs during Warranty	1 / year
Heat Rejection	7800BTU/Hr
Audible Noise	54 dBA @ 3'
On Board Controller	Color LCD, Graphical
Web/SNMP Enabled	Yes
Alarm Contacts	Yes, 6 programmable
Modbus Communications	Yes



EC Installation Scope

- 1) Provide Feed Breaker and Circuit to MBP Panel
- 2) Provide Load Panels (not shown)
- 3) Provide Circuit from MBP Panel to Load Panels
- 4) Mount MBP Panel and Unistrut below MBP
- 5) Provide Feed Breaker and Circuit to UPS
- 6) All conductors to be copper
- 7) Maintain phasing throughout - Mark each conductor at both ends prior to pulling.

WES Scope

- 1) Provide MBP, (2) LPMC, UPS, REPD
- 2) Deliver and set in place UPS module
- 3) Mount and connect UPS module
- 4) Mount and connect REPD
- 5) Check, test and start-up UPS
- 6) Provide PfMs during warranty.

Note

1) Circuit sizing is based upon specific UPS proposed by Wilson Engineered Systems and may not reflect alternate UPS systems which may require different size IGBT wiring

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Wilson Engineered Systems, Inc.
 11501 Columbia Park Drive West, Bldg 100
 Jacksonville, FL 32258

28.8 kVA/ 23 kW UPS, 100A Circ
 120/208 3 Phase
 Installation Details

STATUS	PROJECT NO.	OWC NO.	REV
FOR INFORMATION ONLY	D	W-100519 (28)	1
NOT FOR CONSTRUCTION	SCALE		SHEET 3