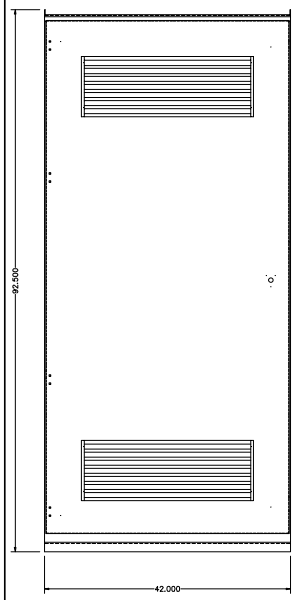
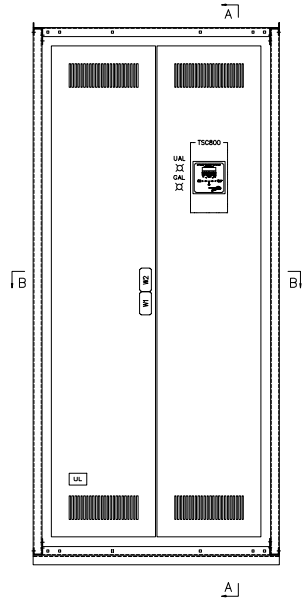
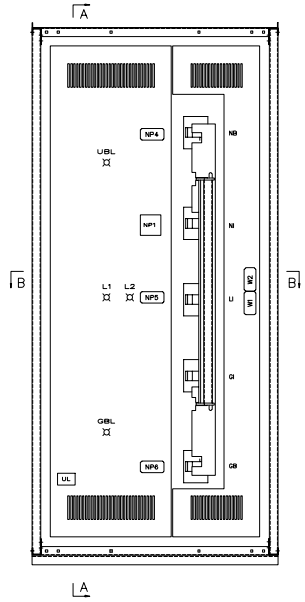


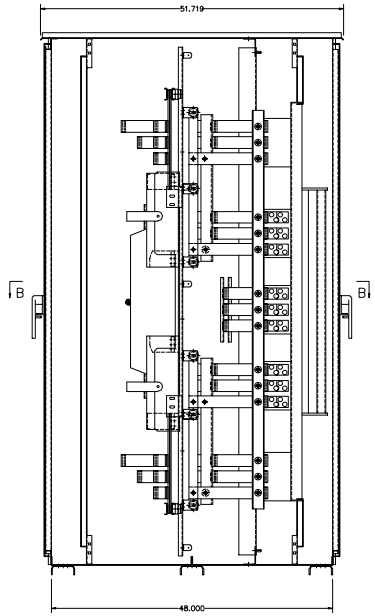
FRONT & REAR



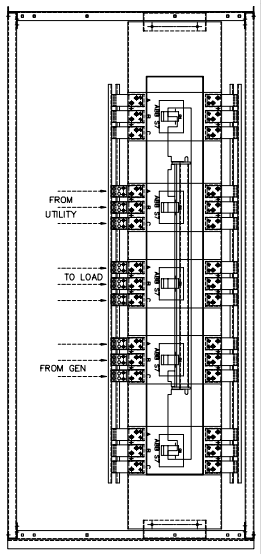
TRANSFER SWITCH SIDE (INSIDE DOORS)



BYPASS SIDE (INSIDE DOORS)



SECTION A–A



BYPASS SIDE (DOORS REMOVED)

TRANSFER SWITCH OPTIONS

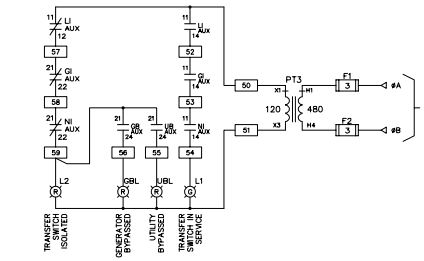
ENCLOSURE TYPE
- NEMA 3R ☒

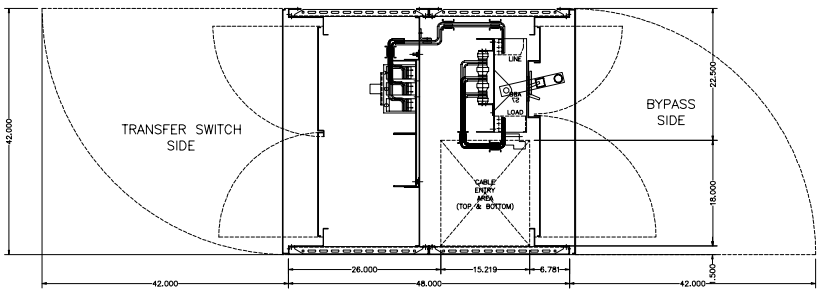
SIZE (AMPS)
- 800A ☐
- 1000A ☒
- 1200A ☐

- 2 POLE ☐
- 3 POLE ☒
- 4 POLE ☐
- SOLID NEUTRAL ☒

TRANSFER SWITCH CONFIGURATION
- SL– ☒
- SR– ☐
- XL– ☐
- XR– ☐

(1) POWER SWITCHING DEVICES ARE MECHANICALLY INTERLOCKED SO THAT ONLY ONE DEVICE IS CLOSED AT A TIME.
(2) FOR TRANSFER SWITCH OPTIONS SEE SCHEMATIC DIAGRAM.
(3) ISOLATION BYPASS SWITCH IS BREAK BEFORE MAKE TYPE.





SECTION B–B

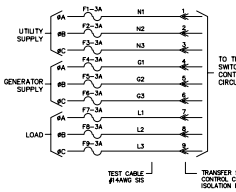
FOIL LABEL (TYPICAL) SILVER LETTERS ON RED BACKGROUND

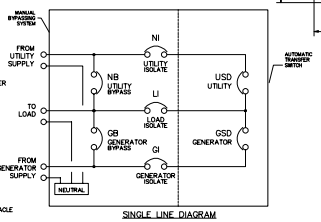
WARNING
MORE THAN ONE LIVE CIRCUIT SEE DIAGRAM

AVERTISSEMENT
PLUS D'UN CIRCUIT SOUS TENSION VOIR SCHEMA

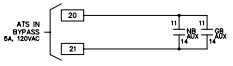
WARNING
DISCONNECT ALL SOURCES OF SUPPLY BEFORE SERVICING

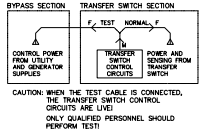
AVERTISSEMENT
COUPER TOUTES LES SOURCES D'ALIMENTATION AVANT DE FAIRE L'ENTRETIEN ET LES REPARATIONS



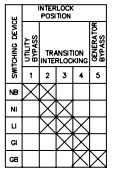


SINGLE LINE DIAGRAM





CAUTION: WHEN THE TEST CABLE IS CONNECTED, THE TRANSFER SWITCH CONTROL CIRCUITS ARE LIVE! ONLY QUALIFIED PERSONNEL SHOULD PERFORM TEST!



X = BREAKER CLOSURE ALLOWED

NOTE: STANDARD CONFIGURATION SHOWN:
3ø/4W SYSTEM WITH SOLIDLY GROUNDED NEUTRAL

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CONNECTION DATA

UTILITY(SRC1): 1-4C 2/0-500MCM Cu/Al PER PHASE/NEUTRAL

GEN(SRC2): 1-4C 2/0-500MCM Cu/Al PER PHASE/NEUTRAL

LOAD: 1-4C 2/0-500MCM Cu/Al PER PHASE/NEUTRAL

GROUND: 12C #6-250MCM Cu/Al.

SPECIAL REQUIREMENTS

ENCLOSURE: NEMA 3R ALUMINUM

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☐ MASTER COPY ☐ REFERENCE COPY ____ OF ____
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AUTH. BY: _____ DATE: _____

DRAWING No.	REFERENCE DRAWINGS	No.	REVISIONS	BY	AUTH	DATE

THOMSON TECHNOLOGY, POWER & CONTROL, A REGAL-BELOIT COMPANY

ATS & BYPASS SYSTEM
MODEL IBS 880
1 LINE DIAGRAM, LAYOUT & INSTALLATION DETAILS
1000A

CUSTOMER PENNCAT POWER SYSTEM

CUSTOMER ORDER No.	WORK ORDER No.		
C-024554	W-033986		
DRAWN BY	AUTH BY	DATE	REV
CP	SH	05-10-13	0
DRAWING/FILE No.		SHEET	
W-033986-01		1/2	

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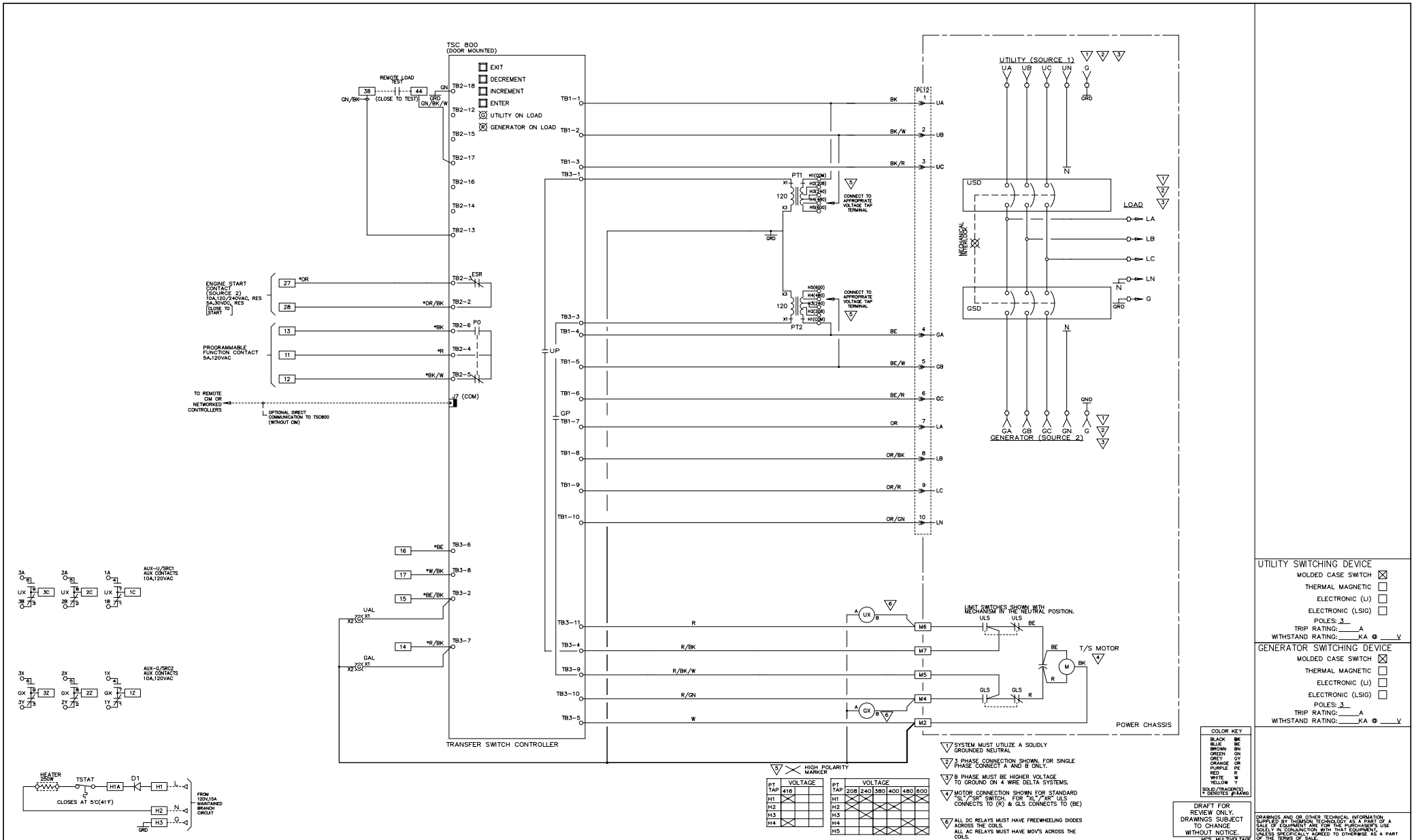

PT TAP	VOLTAGE 416
H1	
H2	
H3	
H4	

PT TAP	VOLTAGE 208	240	380	400	480	600
H1						
H2						
H3						
H4						
H5						

COLOR KEY	
BLACK	BK
BLUE	BE
BROWN	BN
GREEN	GN
GREY	GY
ORANGE	OR
PURPLE	PE
RED	R
WHITE	W
YELLOW	Y

SOLID/TRACER(S)
* DENOTES #14AWG

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MCS, MULTIVOLTAGE

UTILITY SWITCHING DEVICE
- MOLDED CASE SWITCH ☒
- THERMAL MAGNETIC ☐
- ELECTRONIC (LI) ☐
- ELECTRONIC (LSIG) ☐
- POLES: 3
- TRIP RATING: ____A
- WITHSTAND RATING: ____KA @ ____V

GENERATOR SWITCHING DEVICE
- MOLDED CASE SWITCH ☒
- THERMAL MAGNETIC ☐
- ELECTRONIC (LI) ☐
- ELECTRONIC (LSIG) ☐
- POLES: 3
- TRIP RATING: ____A
- WITHSTAND RATING: ____KA @ ____V

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No.	REVISIONS	BY	AUTH	DATE

THOMSON TECHNOLOGY. POWER & CONTROL A REGAL-BELOIT COMPANY

AUTOMATIC TRANSFER SWITCH
MODEL TS 883B1000A1AE2XKKAA
SCHEMATIC DIAGRAM

1000A, 208V, 3ø, 4W, 60Hz

CUSTOMER	PENNCAT POWER SYSTEM
CUSTOMER ORDER No.	C-024554
WORK ORDER No.	W-033986
DRAWN BY	BNG
AUTH BY	SH
DATE	05-10-13
REV	0
DRAWING/FILE No.	W-033896-02
SHEET	2/2

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