

# LOAD ENCLOSURE

## OIP-CONTROL PANEL

SELF POWERED FROM CONTROL INTERFACE UP TO 250W FROM LOAD BANK ENCLOSURE

RJ45 MODULAR CONNECTOR  
CJ1

DAISY CHAIN ADDITIONAL RJ45 CONNECTORS AS REQUIRED FOR ADDITIONAL "OIP" CONTROL PANEL INTERFACE

**AUTOMATIC LOADING / REGEN. INTERFACE**  
TO UTILIZE THE AUTOMATIC LOADING & REGENERATIVE FEATURES OF THE CONTROL SYSTEM, CURRENT TRANSFORMERS THAT ARE RATED AT THE FULL LOAD CURRENT OF THE GENERATOR MUST BE INSTALLED AT THE GENERATOR TO SENSE ALL LOAD CONNECTED TO THE GENERATOR INCLUDING THE LOAD BANK LOAD.

RJ45 MODULAR CONNECTOR  
CJ1 CJ2

LOAD BUS POWER OUTPUT (JUMPER TO EXT. POWER IF REQUIRED)

CATEGORY 5 DATA CABLE MDI CONFIG.  
Pin Color  
1- Orange/White  
2- Orange  
3- Green/White  
4- Blue  
5- Blue/White  
6- Green  
7- Brown/White  
8- Brown

AUXILIARY DIGITAL CONTROL (IF REQUIRED)

GENERATOR

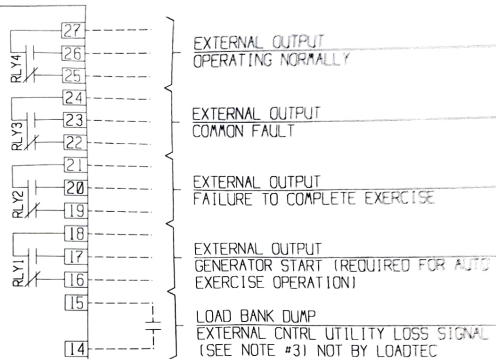


(2)CT CONNECTION

(3)CT CONNECTION

CURRENT TRANSFORMERS  
-REQUIRED FOR AUTOMATIC LOADING OPERATION  
-INSTALL AS REQUIRED  
-SIZE TO FLA OF GENERATOR

EXTERNAL SIGNAL AUXILIARY CONTACTS  
10A, 120VAC MAX. LOAD



WARNING FOR OPERATOR SAFETY THIS EQUIPMENT MUST BE ELECTRICALLY GROUNDED PER THE NATIONAL ELECTRICAL CODE

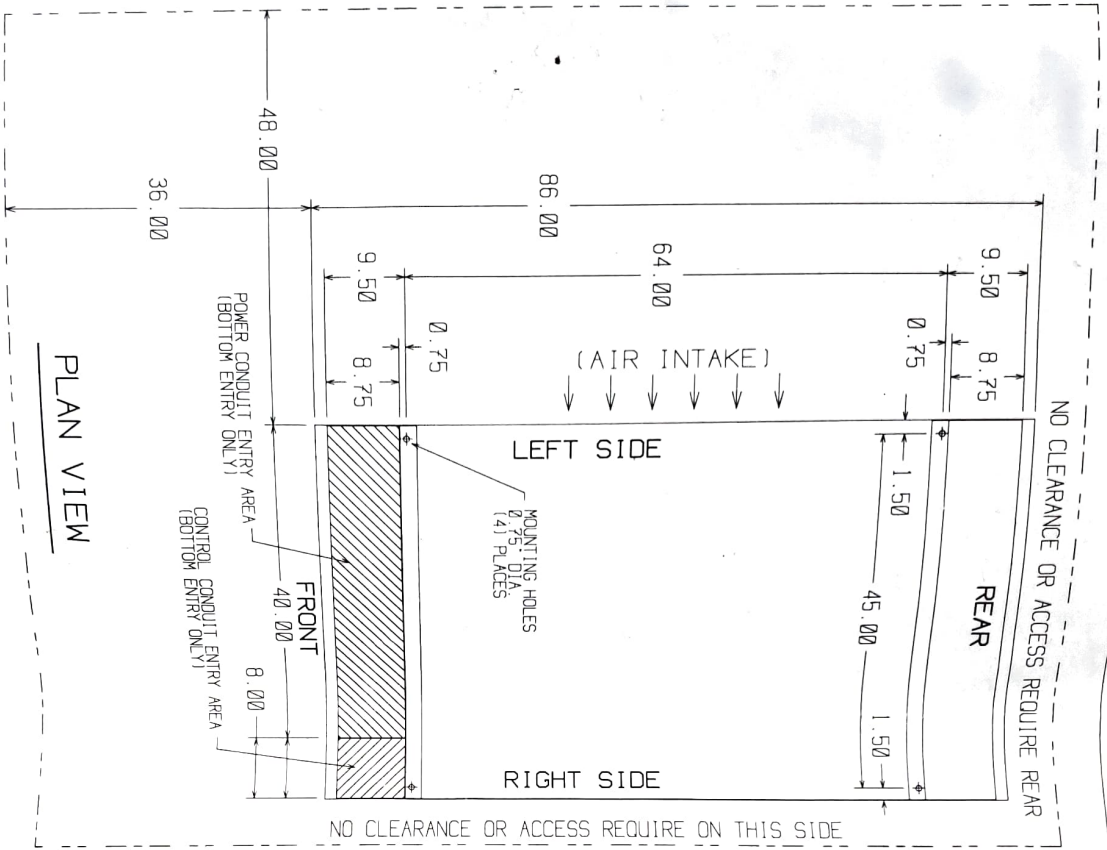
### NOTES

- CONNECT THE LOAD BANK TO A SUITABLE OVER CURRENT DEVICE BEFORE CONNECTION TO THE TEST SOURCE. THE OVER CURRENT DEVICE AND INTERCONNECTING CONDUCTORS MUST BE SIZED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL CODES.
  - THE EQUIPMENT MUST BE ELECTRICALLY GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL CODES.
  - LOAD BANK DUMP CONTROL INTERFACE PROVIDES EXTERNAL CONTROL TO DISCONNECT THE LOAD BANK IF NORMAL (UTILITY) POWER FAILS DURING AN EXERCISE PERIOD. THE CONTROL IS USUALLY PROVIDED BY THE AUTOMATIC TRANSFER SWITCH SIGNAL CONTACT(S). THE TRANSFER SWITCH CONTACT(S) SHOULD OPEN DURING NORMAL (UTILITY) POWER LOSS AND REMAIN OPEN AS LONG AS THE TRANSFER SWITCH IS IN THE EMERGENCY (GENERATOR) POSITION.
  - AN EXTERNAL CONTROL POWER SOURCE IS REQUIRED TO IMPLEMENT ALL OF THE CONTROL FUNCTIONS OF THE SYSTEM. THE CONTROL POWER SOURCE CAN BE DERIVED FROM A FACILITY 3 $\phi$  SOURCE OR THE ENGINE STARTING BATTERIES. ONLY ONE OF THE SOURCES ARE REQUIRED IF A 3 $\phi$  SOURCE IS NOT CONNECTED TO A FACILITY NORMAL POWER SOURCE, BUT IS JUMPERED TO THE TEST SOURCE OUTPUT POWER TERMINAL BLOCK CONNECTIONS. THE ENGINE STARTING BATTERY CONNECTION IS REQUIRED.
- DASHED LINES INDICATE WIRING AND/OR DEVICES NOT SUPPLIED BY LOADTEC

**LOADTEC** LOAD TECHNOLOGY, INC.  
525 Commerce Circle, Mesquite, NV 89027

DATE: 11/28/10

1 DWG ID#: INTERFACE\_PDC



PLAN VIEW

MINIMUM FUNCTIONAL CLEARANCES

(NOTE: CODE REQUIRED CLEARANCE MAY BE GREATER DUE TO SITE CONDITIONS SUCH AS ADJACENT EQUIPMENT)

NOTES

DIMENSIONS : Inches

**ROTEG** LOAD TECHNOLOGY, INC.  
575 Commerce Circle, Westville, NY 84227

SCALE: 0.125 APPROVED DRAWN BY: JPB

DATE: 09/15/14 REVISED: 02/02/02

MODEL: OSM4V RESISTIVE LOAD BANK: A CgnF15

PLAN VIEW w/CLEARANCES: 1300-2000RKM

REFERENCE: STANDARD No. 140000 DRAWING No. 140000-01

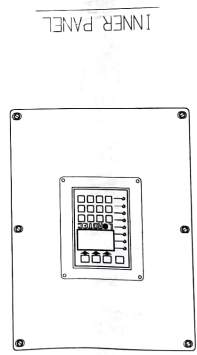
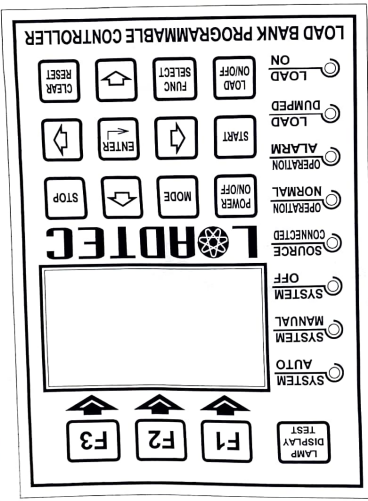
NO#: 140000 OSM4V1a-1d

DATE: 05/30/15  
 1 DWG ID# CNTRL\_OS\_BNLT-NR-PLCC\_SCREEN5  
**LOADTEC** LOAD TECHNOLOGY, INC.  
 595 Commerce Circle, Manassas, VA 20107

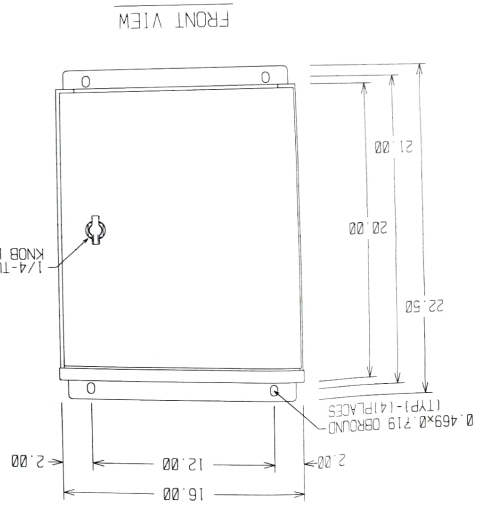
CONSTRUCTION: NEMA 3R, WALL MOUNTED  
 WEIGHT: 35 LBS.  
 DIMENSIONS: INCHES

NOTES

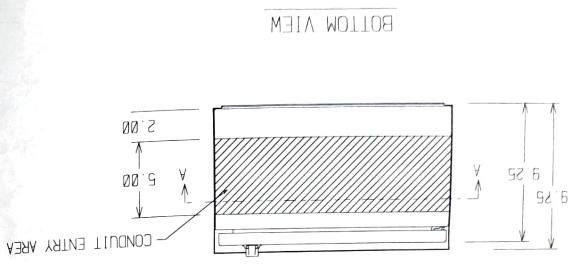
NAMEPLATE DETAIL



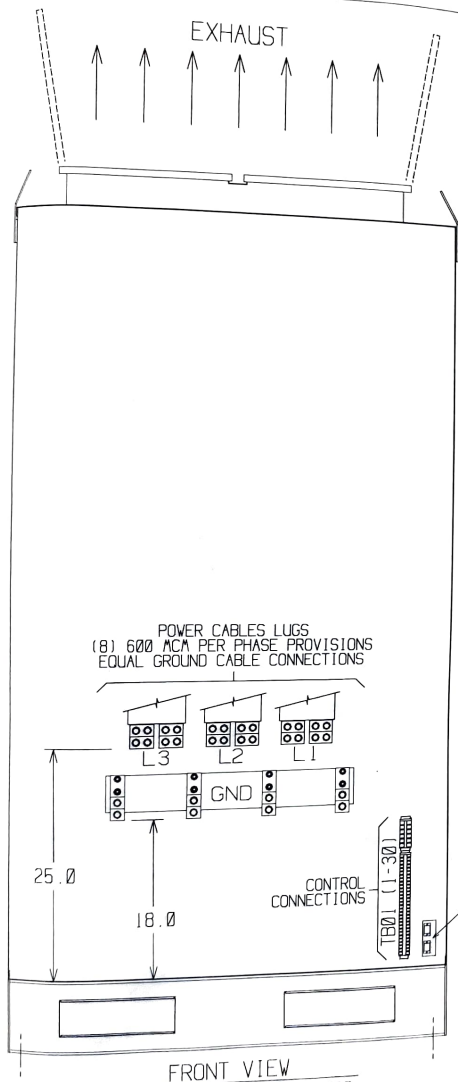
INNER PANEL



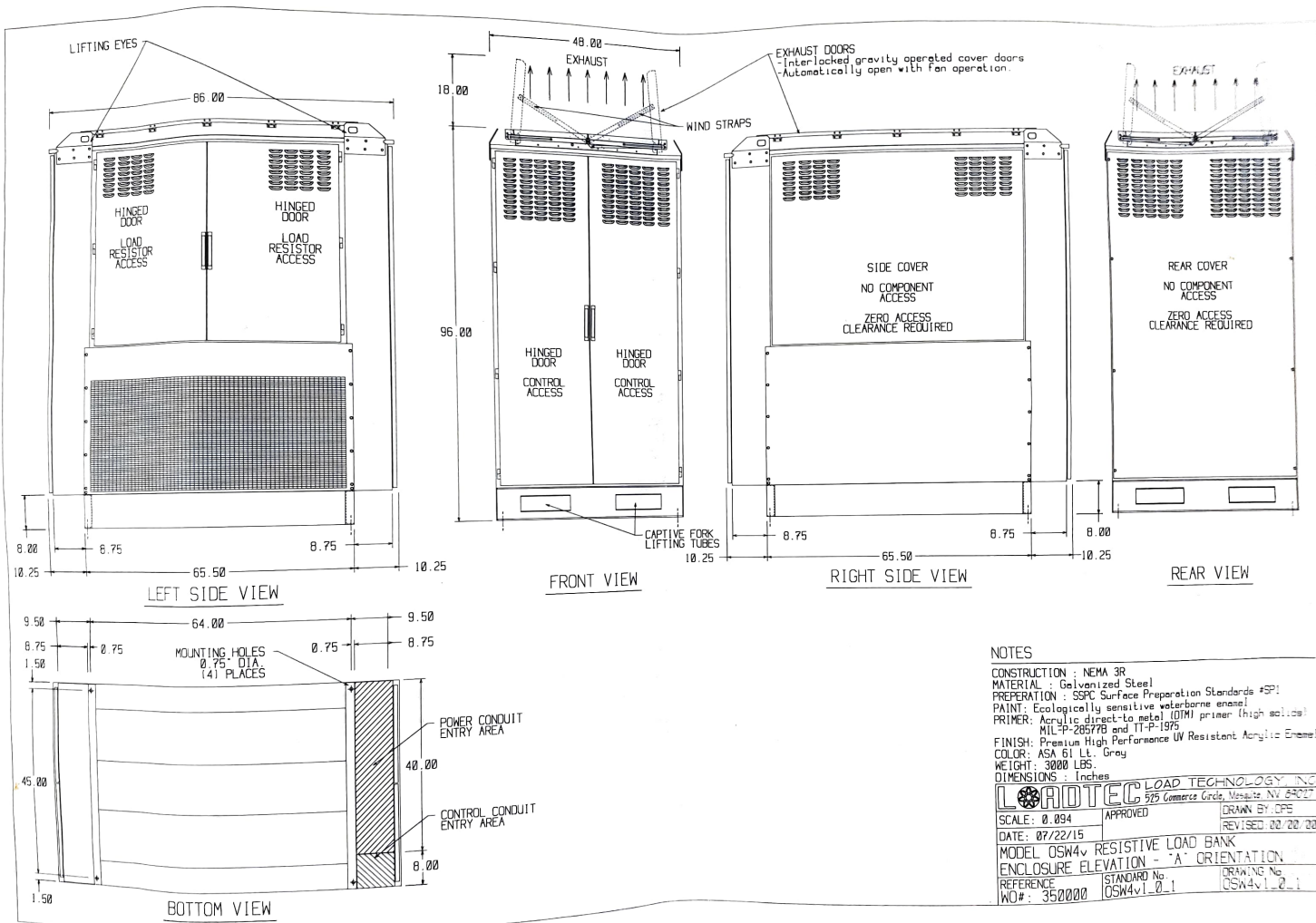
FRONT VIEW



BOTTOM VIEW



**LOADTEC** LOAD TECHNOLOGY, INC.  
525 Commerce Circle, Mesquite, NV 89027  
DATE: 09/03/10 | OSW4v-A CONFIG. | DWG ID#: OSW4v1A



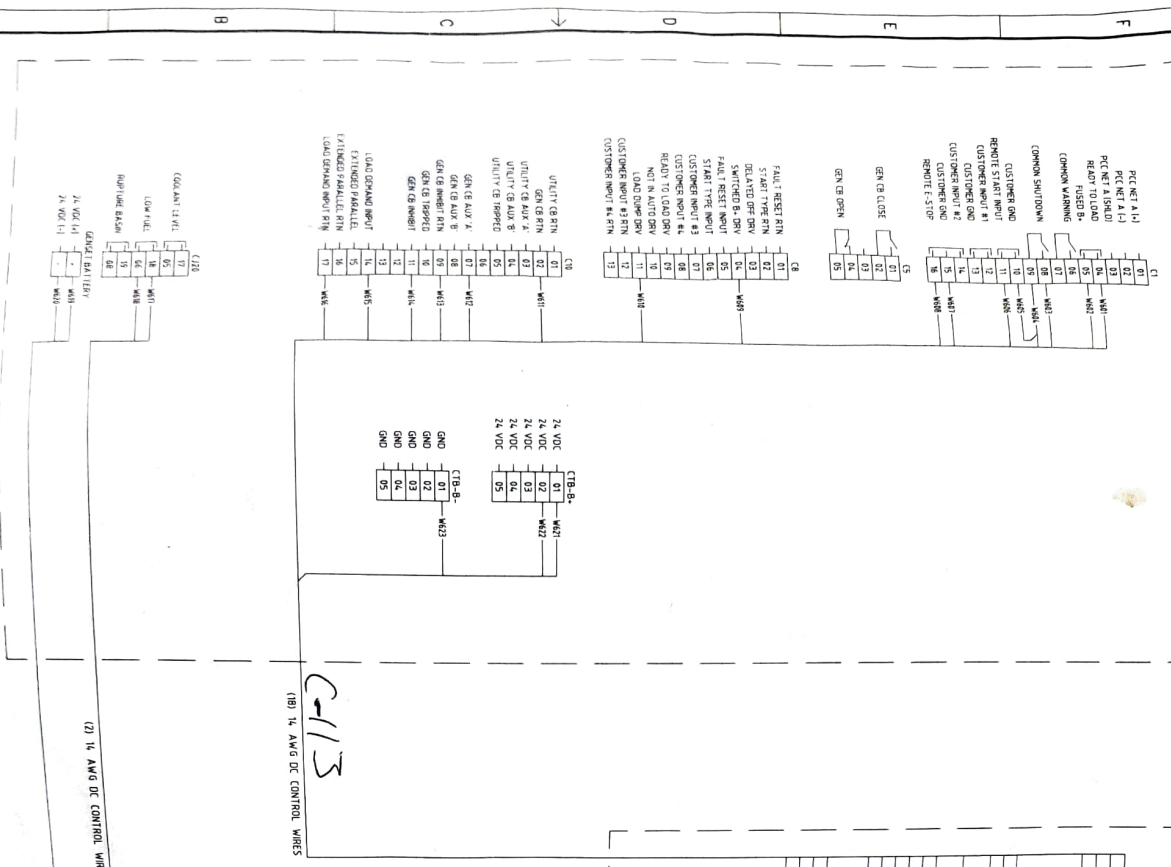
**NOTES**

CONSTRUCTION : NEMA 3R  
 MATERIAL : Galvanized Steel  
 PREPARATION : SSPC Surface Preparation Standards #SP1  
 PAINT : Ecologically sensitive waterborne enamel  
 PRIMER : Acrylic direct-to-metal (DTM) primer (high solids)  
 MIL-P-20577B and IT-P-1975  
 FINISH : Premium High Performance UV Resistant Acrylic Enamel  
 COLOR : ASA 61 Lt. Gray  
 WEIGHT : 3000 LBS.  
 DIMENSIONS : Inches

**LOADTEC LOAD TECHNOLOGY INC.**  
 575 Commerce Circle, Vershire, VT 05647

SCALE : 0.894	APPROVED	DRAWN BY: DPE
DATE : 07/22/15		REVISED 00.00.00
MODEL OSW4v RESISTIVE LOAD BANK		
ENCLOSURE ELEVATION - "A" ORIENTATION		
REFERENCE	STANDARD No.	DRAWING No.
W0# : 350000	OSW4v1.0.1	OSW4v1.0.1

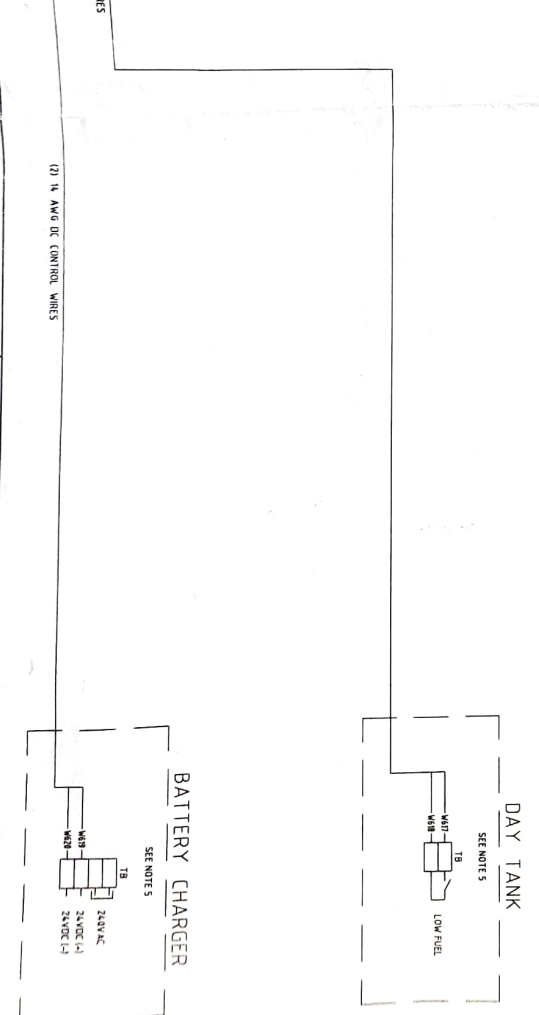
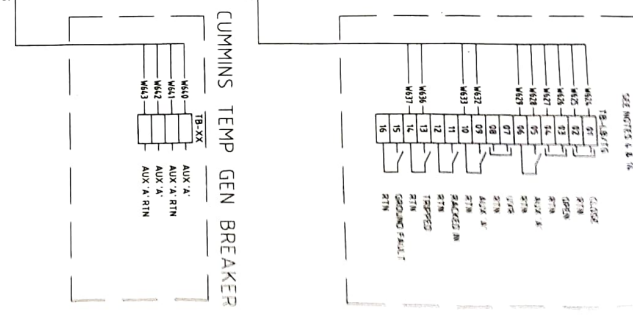
PowerCommand 33 DUGAS GENSET MODULE



PowerCommand MASTER CONTROL



POWER SECTION (52-67/5)



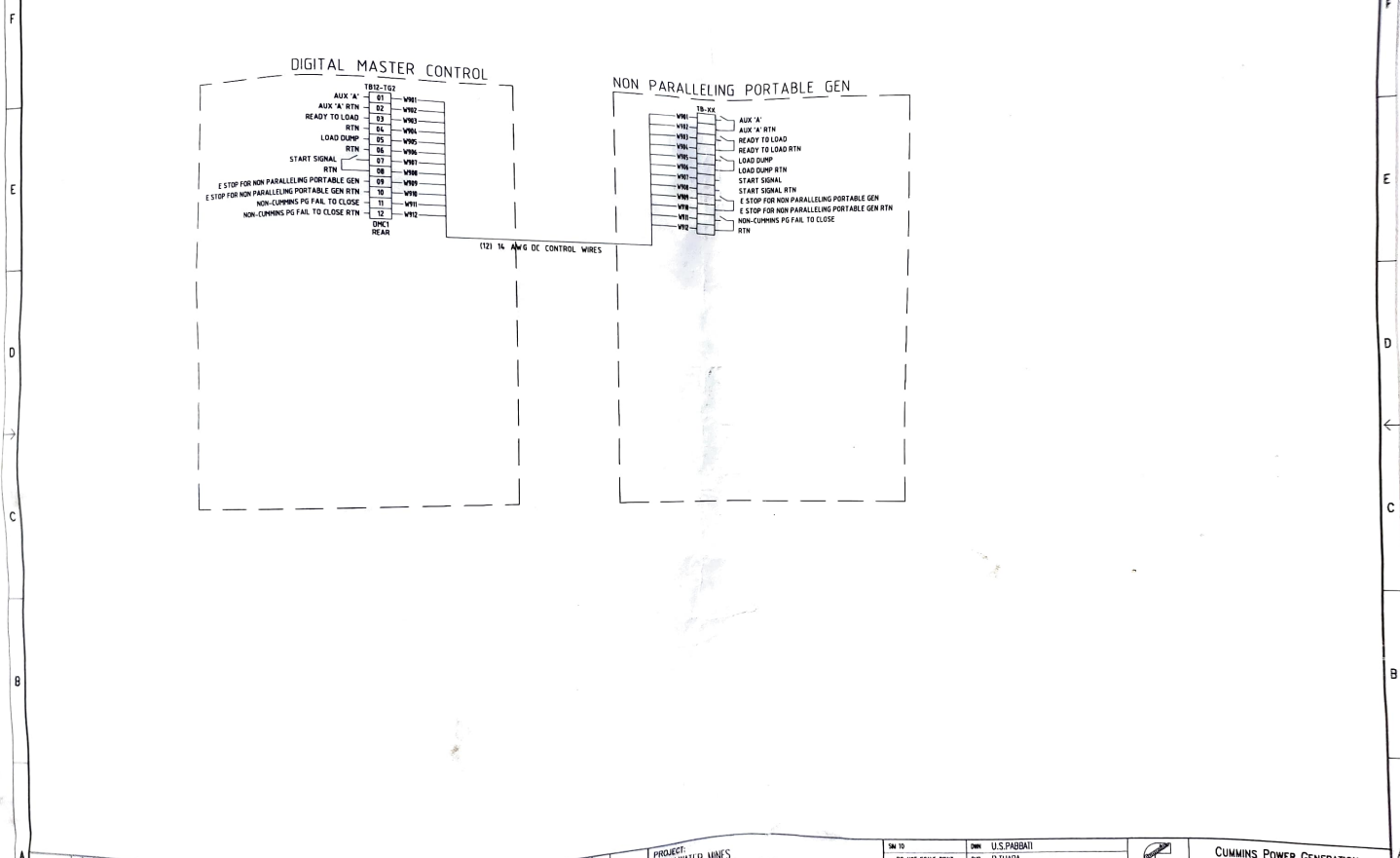
PROJECT: STILLWATER LINES  
 GEN CONNECTIONS - TEMP GEN  
 DISTRIBUTION  
 CUMMINS ROCKY MOUNTAIN  
 7339220

DATE: 31 MAY 16  
 DRAWN BY: R. JOHNSON  
 CHECKED BY: R. JOHNSON  
 DWG NO: DMCDDBA0029

CUMMINS POWER GENERATION  
 WD INTERCONNECTION  
 A3  
 A0304922

REV	NO	DATE	BY	CHKD	DESCRIPTION
1	1				
2	1				
3	1				
4	1				
5	1				
6	1				
7	1				
8	1				

AutoCAD 8 7 6 5 4 3 2 1



REL NO		REV		DATE		APP'D		DATE		APP'D		DATE		APP'D		DATE		APP'D		DATE	
PC120488		A		1		PRODUCTION RELEASE AS-BUILT															
USP		RET		BY		OBJECTS		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
DMC		CAG		MPO		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
PROJECT		SILWATER MINE'S		NON CUMMINS		PG CONNECTIONS		DISTRIBUTOR		CUMMINS		ROCKY MOUNTAIN		7332220							
DM		U.S.PABBAT		DO NOT SCALE PRINT		DD		R.H.NAPA		MPO		B.JOHNSON		SKE		31MAY16					
CONFIDENTIAL		FOR INFORMATION ONLY NOT TO BE USED FOR REPRODUCTION OR DISTRIBUTION WITHOUT THE WRITTEN PERMISSION OF THE POWER GENERATION GROUP		DATE 11-3-2014		DMCCDABA0029		PGF		A3		A030U922		9		11					

8 7 6 5 4 3 2 1