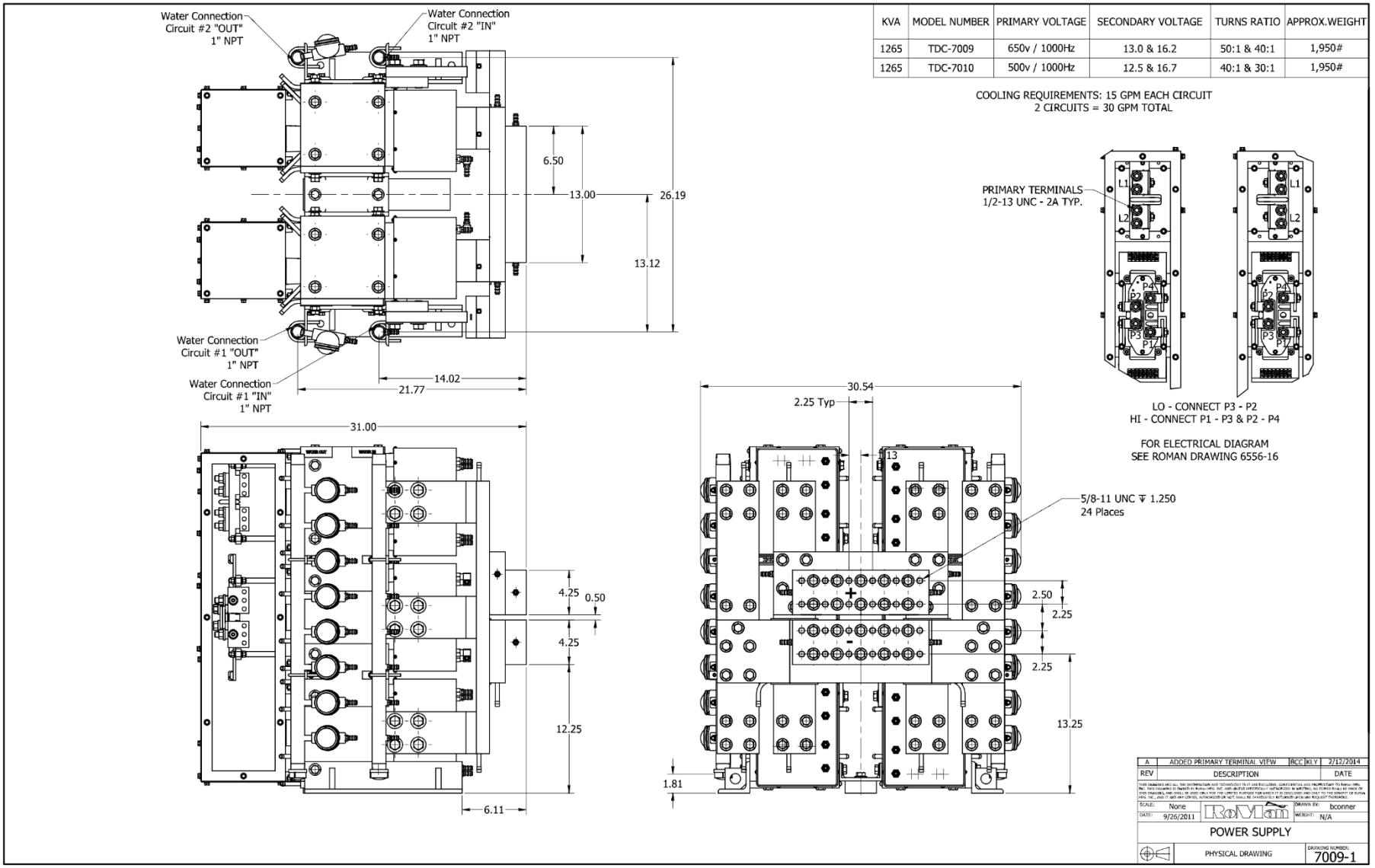
Entron 6K LMI – (Roman TDC-7009 & TDC-8342 MFDC Transformers)



KVA	MODEL NUMBER	PRIMARY VOLTAGE	SECONDARY VOLTAGE	TURNS RATIO	APPROX.WEIGHT
1265	TDC-7009	650v / 1000Hz	13.0 & 16.2	50:1 & 40:1	1,950#
1265	TDC-7010	500v / 1000Hz	12.5 & 16.7	40:1 & 30:1	1,950#

COOLING REQUIREMENTS: 15 GPM EACH CIRCUIT
2 CIRCUITS = 30 GPM TOTAL

REV	DESCRIPTION		DATE
A	ADDED PRIMARY TERMINAL VIEW	BCC KLY	2/12/2014

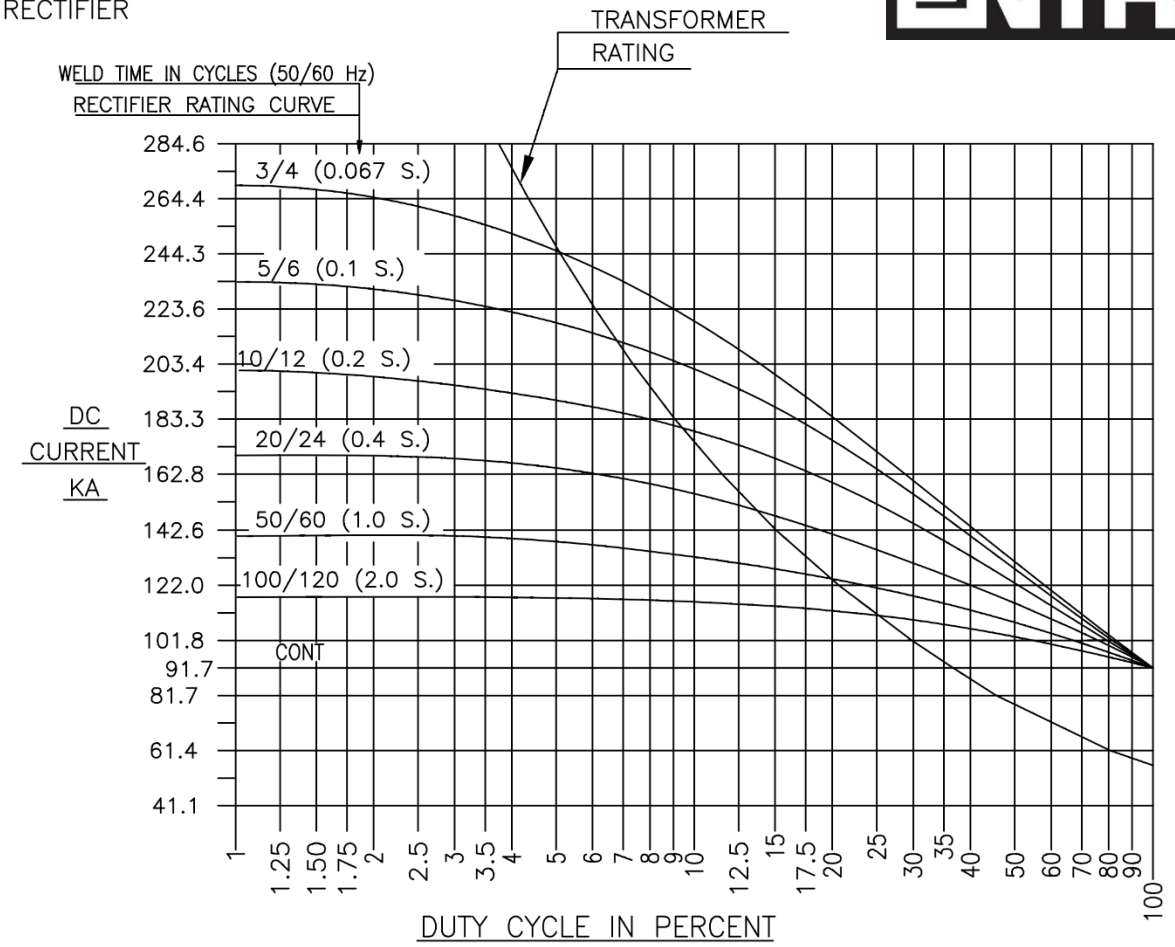
SCALE: None
DATE: 9/26/2011
DRAWN BY: bconner
WEIGHT: N/A

POWER SUPPLY

PHYSICAL DRAWING

DRAWING NUMBER: 7009-1

POWER SUPPLY RATING DIAGRAM
SINGLE PHASE, CENTER TAP RECTIFIER
SIZE 24 RECTIFIER



WHERE USED
TDC-6556
TDC-6658
TDC-7009
TDC-7010
TDC-7229

NOTES:
THESE CURVES ARE BASED ON RATED WATER FLOW OF 30 G.P.M. (INCLUDING CORE COOLING PLATES) AND MAXIMUM WATER IN TEMPERATURE OF 30°C

RECTIFIER RATING:
% DUTY CYCLE IS TOTAL"ON" TIME IN ONE MINUTE.

TRANSFORMER RATING:
% DUTY CYCLE IS TOTAL "ON" TIME IN ONE MINUTE.

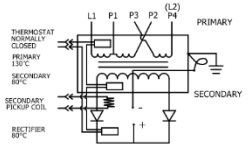
REV	DESCRIPTION	DATE
D	EXTENDED TRANSFORMER RATING CURVE TO 100% DUTY CYCLE	KLY / KLY 6JUN13

SCALE: NONE	RoMan MANUFACTURING	DRAWN BY: KLY
DATE: 16Nov09		APPROX WEIGHT:
1PH Inverter Rating Curve		
		DRAWING NUMBER: RC-6556

RC-6556
700289

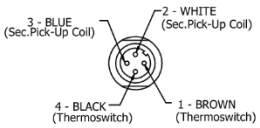
MODEL	KVA @ 50% DUTY CYCLE	PRIMARY VOLT/FREQ	APPROX. WEIGHT	SEC.VOLTAGE	TURNS RATIO	LINK CONNECTION	PRIMARY CONNECTION
TDC-8342	900	650V/1000Hz	700 LBS	17.1	38:1	P2-P3	L1 & L2
				23.2	28:1	P1-P3 & P2-P4	L1 & L2

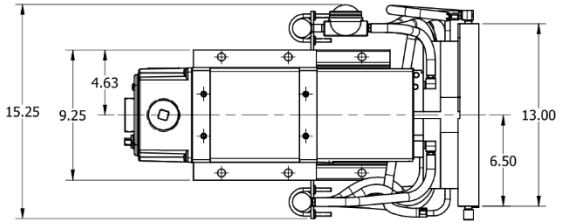
COOLING REQUIREMENTS: 17 GPM MIN. @ 30°C MAX. INLET TEMPERATURE



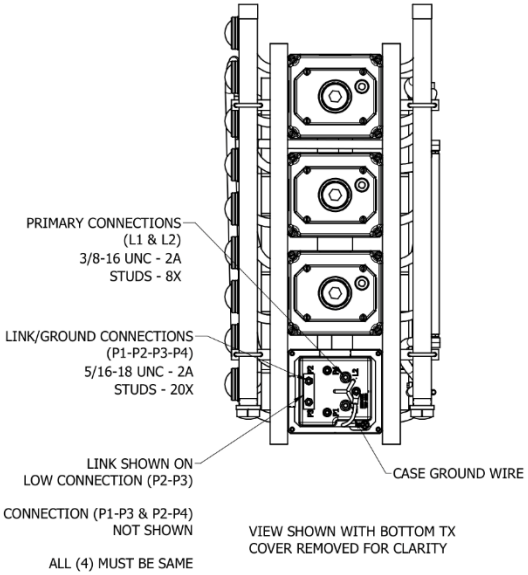
TRANSFORMER CASE MUST BE GROUNDED. TRANSFORMER WILL BE SHIPPED WITH A JUMPER CONNECTING SECONDARY CENTER TAP TO CASE. USER MUST PROVIDE APPROPRIATE GROUNDING OF SECONDARY CIRCUIT.
NOTE:
SECONDARY OUTPUT TERMINALS ARE DESIGNED AS ELECTRICAL CONNECTIONS. MECHANICAL FORCES ON THESE CONNECTIONS MAY VOID WARRANTY.

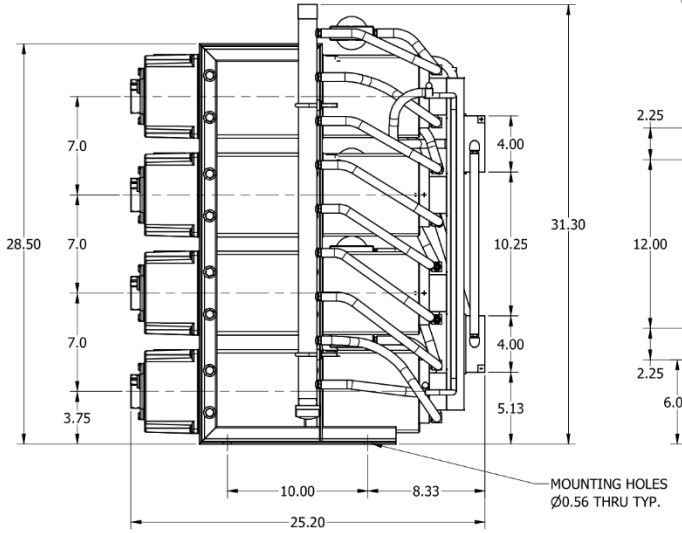
FOR APPLICATIONS ABOVE A 20% DUTY CYCLE, CONTACT ROMAN MANUFACTURING FOR ASSISTANCE.

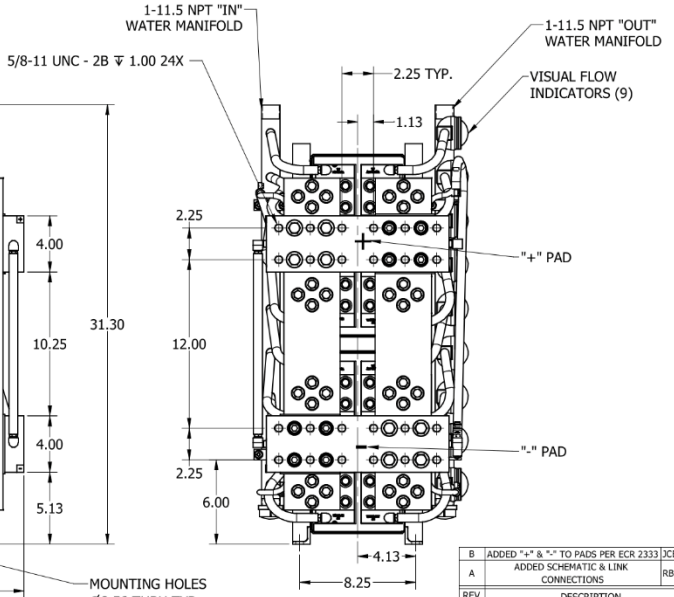




NOTE*
The secondary terminals of this device are intended as an electrical connection only. Applications must be designed to minimize any forces applied to the secondary terminals, this can be accomplished by transferring forces to a structural member.







REV	DESCRIPTION			DATE
B	ADDED "+" & "-" TO PADS PER ECR 2333	JCB	KLY	1/18/2021
A	ADDED SCHEMATIC & LINK CONNECTIONS	RB	RD	8/1/2019

SCALE:	NONE	DETAILED:	DCH
DATE:	7/16/2019	DESIGNED:	DCH
		APPROX. WEIGHT:	N/A

RoMan MANUFACTURING

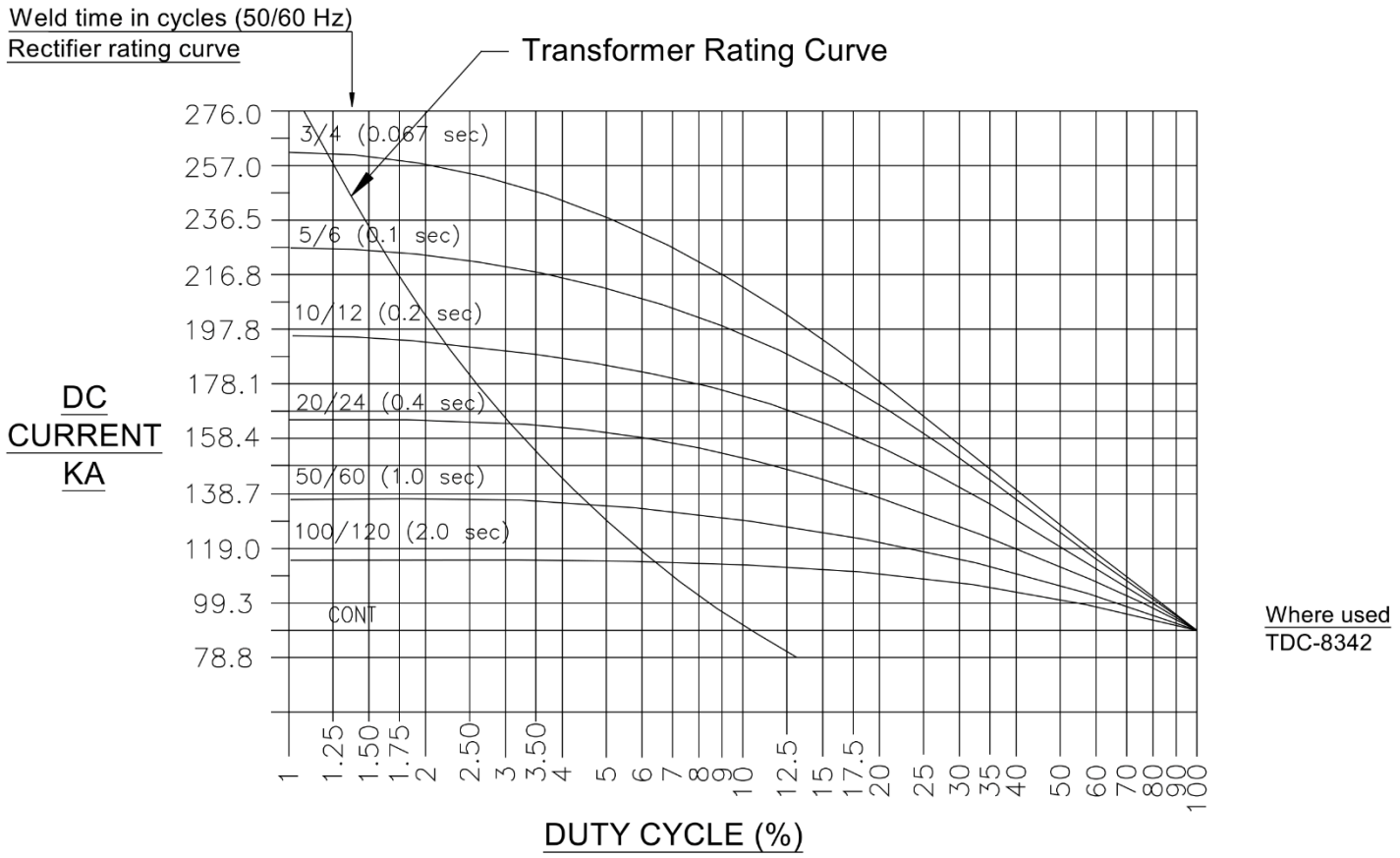
POWER SUPPLY

PHYSICAL DRAWING

DRAWING NUMBER: 8342-1

700289

Power Supply Rating Diagram, Single Phase, Center Tap Rectifier.
Size "24" Rectifier



Notes:
These curves are based on rated water flow of 12 G.P.M (45 L.P.M.).
Maximum water in temperature of 30°C.
For applications above a 20% duty cycle, contact
Roman Manufacturing for assistance.

Rectifier Rating:
% Duty Cycle is total "On" time in 2.5 Seconds.

Transformer Rating:
% Duty Cycle is total "On" time in one minute.

REV	DESCRIPTION	DATE

SCALE: NONE	RoMan MANUFACTURING	DRAWN BY: KLY
DATE: 26JUL19		APPROX WEIGHT:

RATING CURVE

TDC-8342

DRAWING NUMBER: RC8342

RC8342