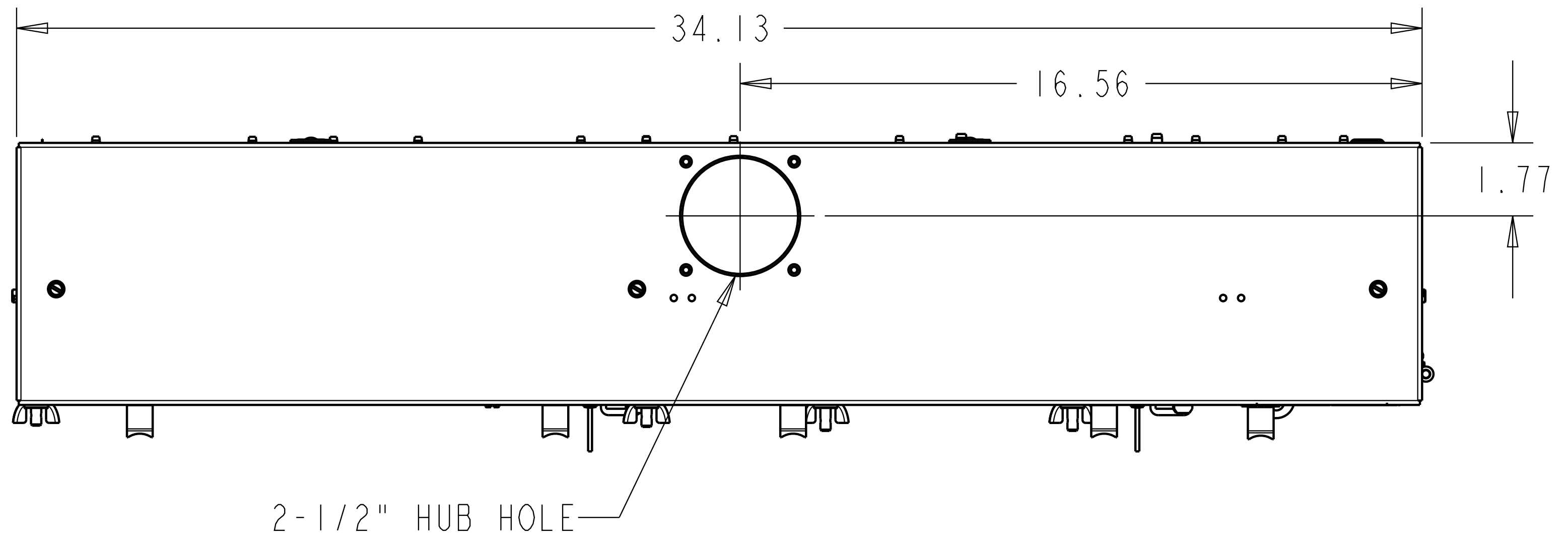
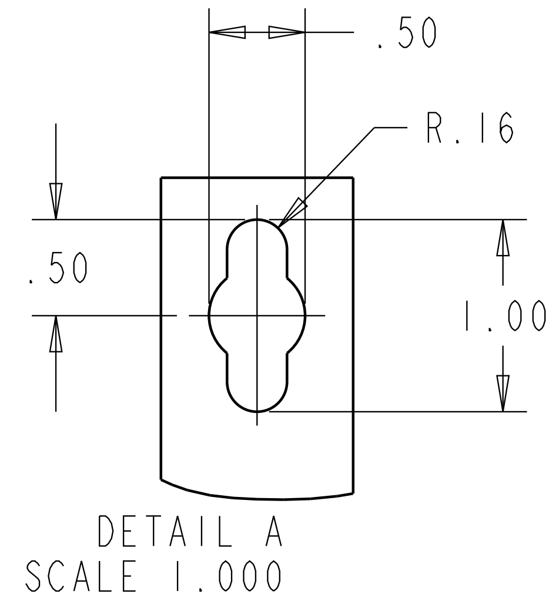
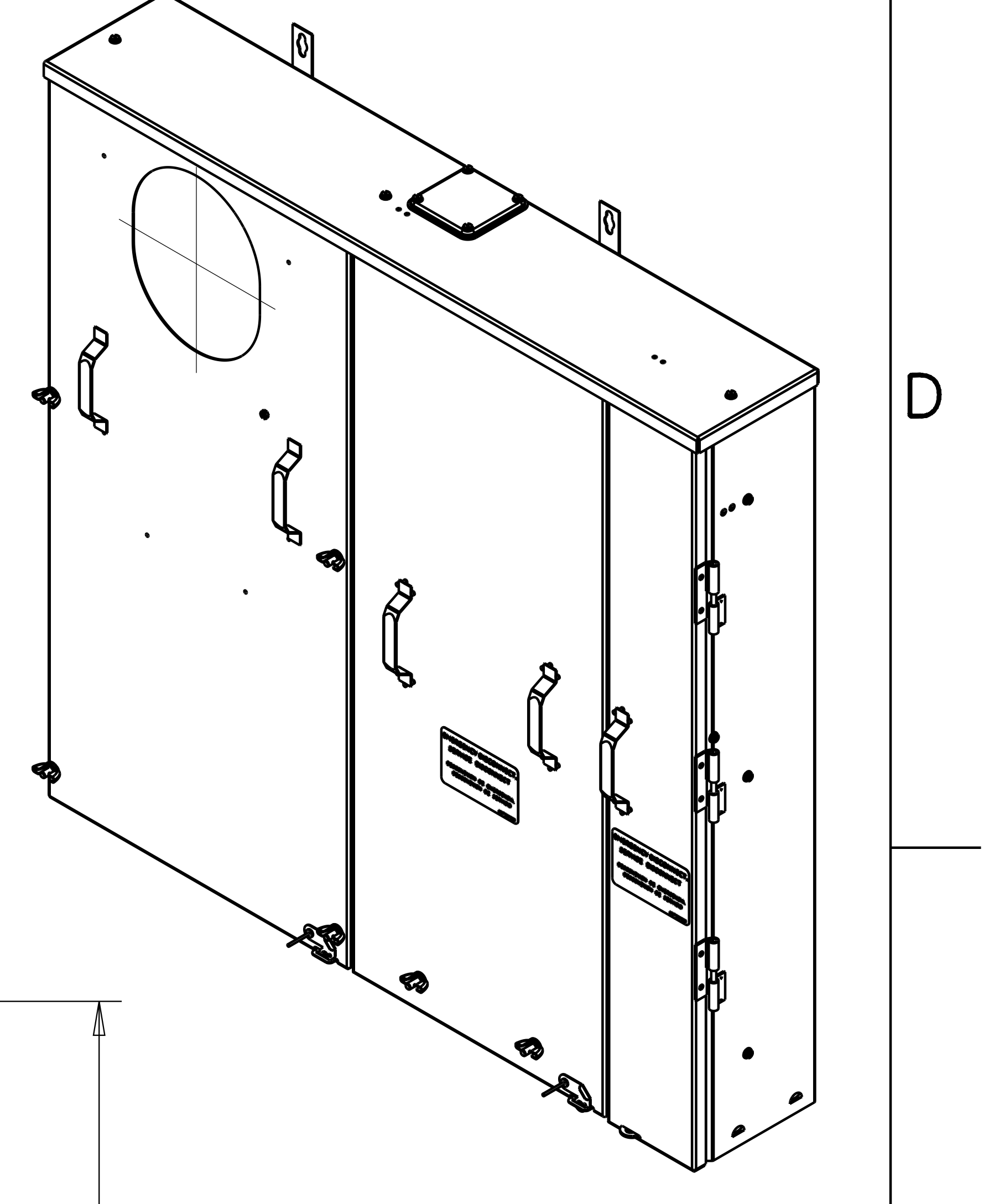
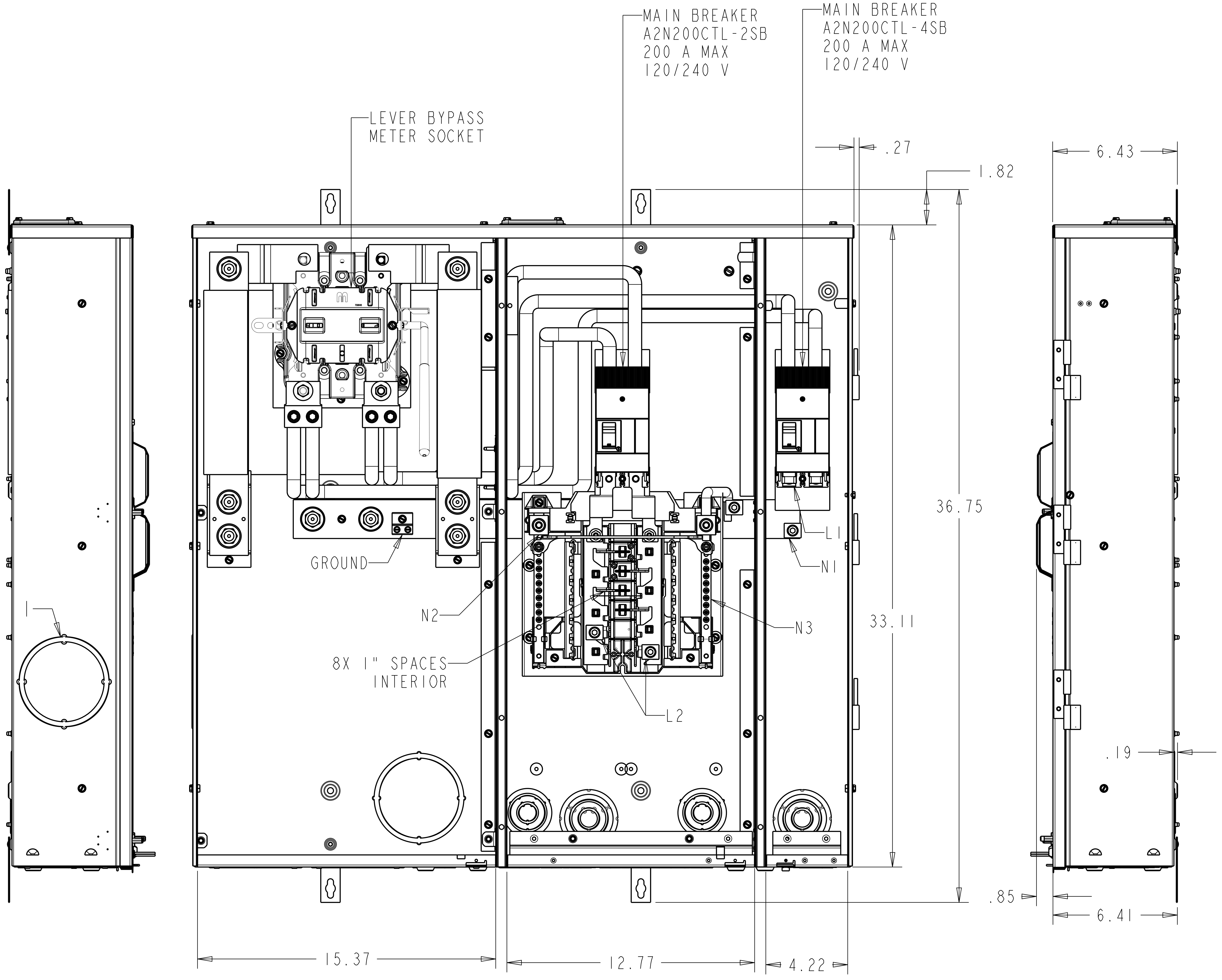
3D Model is the Master Document of Record
Article or Material Must Conform to REACH Procedure SI900000 Sec.14
Article or Material Must Conform to ROHS Procedure SI900000 Sec.13
Part Must Conform to SI900000 Sec.4 Toxicity Procedure
Geometric Dimensioning & Tolerancing as per ASME Y14.5-2009

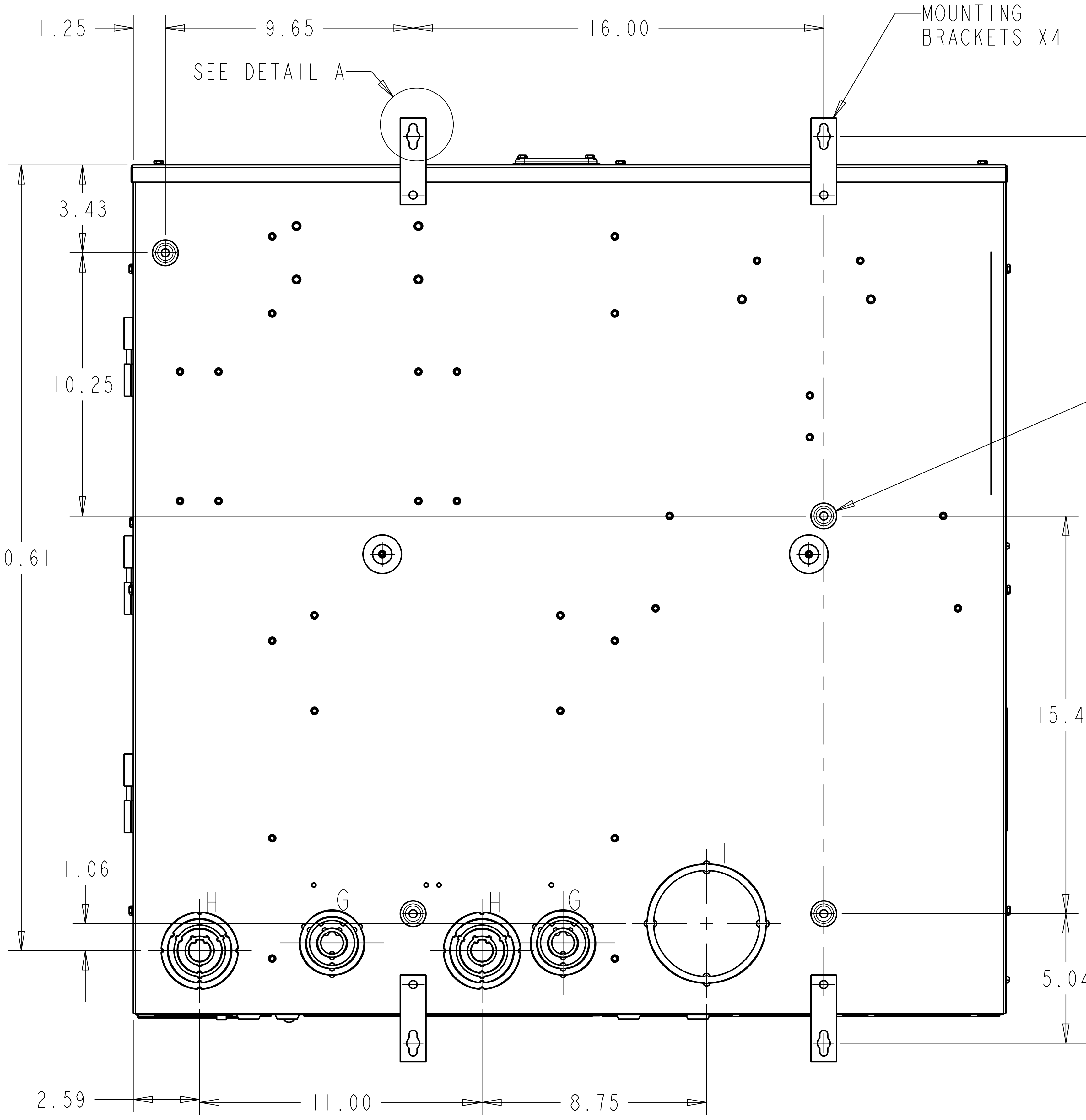


LUG TIGHTENING TORQUE (LB-IN)		
SCREW TYPE	WIRE SIZE	TORQUE
SLOTED	14-10	35
	8	40
	6/4	45
	3-2/0	50
INTERNAL HEX	3/16 ACROSS FLATS	120
	1/4 ACROSS FLATS	200
	5/16 ACROSS FLATS	275



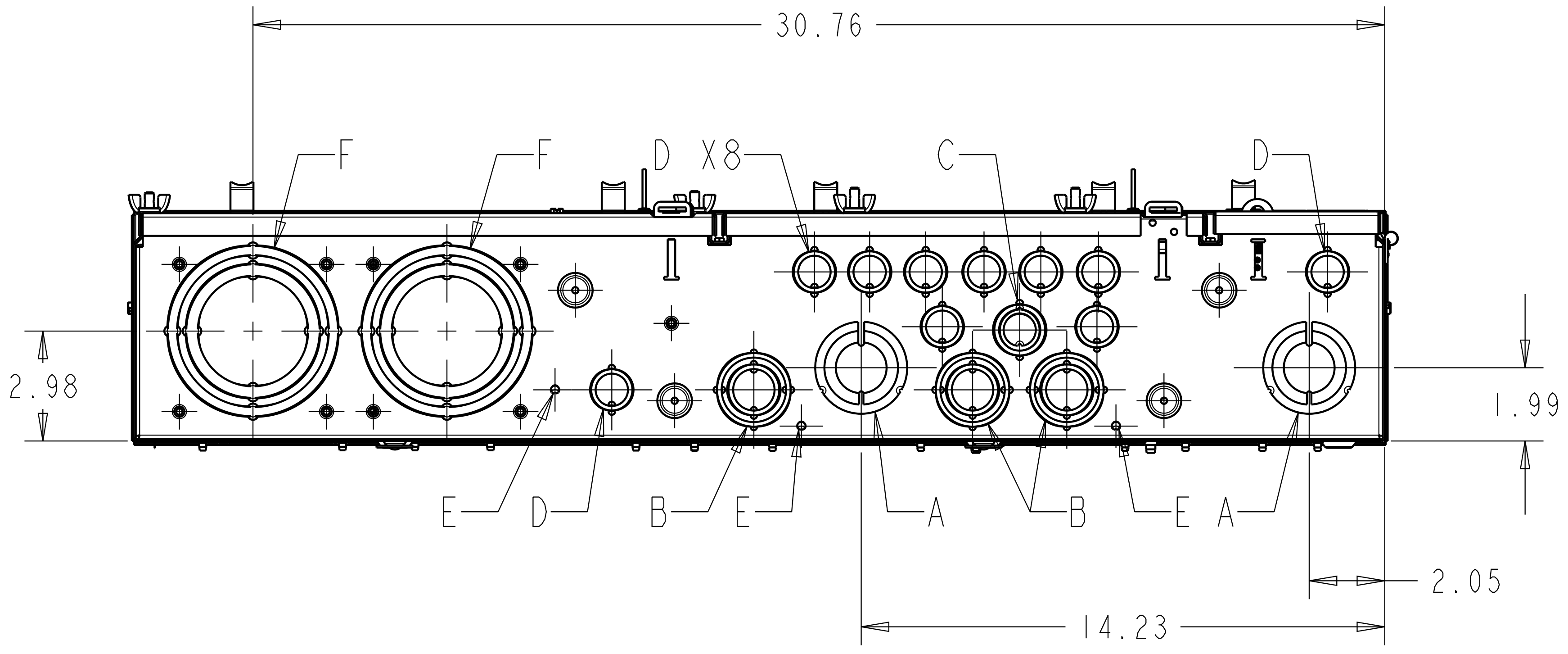






CAT NO.	MODEL
TSDR830USCU	03

CIRCUIT PROTECTION
A2N200CTL-2SB - 2 LUG KIT
A2N200CTL-4SB - 4 LUG KIT



LETTER	DESCRIPTION	QTY.
A	1 X 1 1/2 X 2 KO	2
B	3/4 X 1 X 1 1/4 X 1 1/2 KO	3
C	1/2 X 3/4 X 1 KO	1
D	1/2 X 3/4 KO	10
E	9/32 KO	3
F	2 1/2 X 3 X 3 1/2 X 4 KO	2
G	1/2 X 3/4 X 1 1/4 X 1 1/2 X 2 KO	2
H	1/2 X 3/4 X 1 1/4 X 1 1/2 X 2 X 2 1/2 KO	2
I	3 1/2 X 4 KO	2

	WIRE RANGE			
CONNECTOR	COPPER		ALUMINIUM	
	SOLID	STRANED	SOLID	STRANED
NEUTRAL-N1	- -	1-300	- -	1-300
NEUTRAL-N2	6-2/0	6-2/0	14-1/0	14-1/0
NEUTRAL-N3	14-4	14-4	12-4	12-4
LOAD 1	- -	1-300	- -	1-300
GROUND	6-2/0	6-2/0	6-2/0	6-2/0

Note : All Dimensions have ±0.125 Tolerance

Third Angle Projection

ABB PROPRIETARY AND CONFIDENTIAL INFORMATION
The information contained in the document has to be kept strictly confidential.
Any unauthorized use, reproduction, distributions or disclosure to third parties is strictly forbidden.
ABB reserves all rights regarding intellectual Property Rights.
Copyright 2021 ABB. All rights reserved

DRAWING FILE TSDR830USCUM03_OD
MODEL FILE TSDR830USCUM03
DATE MODIFIED 2023-03-24
DESIGNED BY GERARDO RODRIGUEZ
ABB
Calculated for:
VOLUME 0.000 M^3
CN# CR0000137584
APPROVED BY GERARDO MORONES
◇ritical to Quality Characteristic
TITLE TSDR830USCUM03 NEC 2020
OUTLINE DRAWING
MASS 0.000 Kg
MATERIAL SPECIFICATION ---
FINISH SPECIFICATION ---
UNITS IN
LOCAL TITLE TSDR830USCUM03
UNLESS OTHERWISE SPECIFIED
TOLERANCE ON:
1 PL DECIMALS ± 0.1
2 PL DECIMALS ± 0.02
3 PL DECIMALS ± 0.005
ANGLES ± 0.5
MATERIAL DESCRIPTION ---
SIZE D
ROOT NUMBER TSDR830USCU
REV B
RELEASE STATE In Work
FINISH DESCRIPTION ---
SCALE 0.125
PRODUCT LINE LOAD CENTERS
SHEET 1 of 2

BACK PLATE ADAPTER SHALL ROTATE TO HOLD THE METER.

THIS IS THE POSITION THE BACK PLATE ADAPTER SHALL BE IN WHEN INSTALLING.

THE HEIGHT IS ADJUSTED WITH THE BOLT AND SIDE SLOTS TO ENSURE THE PLATE IS CENTERED WITH INSTALLED METER AVOIDING ANY GAP AROUND THE METER.

LINE TERMINALS: ½" STUDS FOR U.L. LISTED ONE OR TWO HOLE NEMA MOUNTING TERMINALS.
COMPRESSION TERMINAL LIMITED TO 800 KCMIL SINGLE CONDUCTOR, HOMAC SERIES AL-NTN, AL-TN OR EQUIVALENT.
COMPRESSION TERMINALS LIMITED TO 400 KCMIL FOR STACKING LUGS, HOMAC SERIES ASL-NTN OR EQUIVALENT.
PRESSURE TERMINAL LIMITED TO 1000 KCMIL SINGLE CONDUCTOR, ILSCO TYPE TA OR EQUIVALENT.
PRESSURE TERMINALS LIMITED TO 350 KCMIL SINGLE CONDUCTOR, ILSCO TYPE AU OR EQUIVALENT.

LINE TERMINALS	
BOLT SIZE	TORQUE
3/8	300 INCH-LBS OR 25 FT-LBS
1/2	500 INCH-LBS OR 42 FT-LBS
INTERNAL HEX 5/16	275 INCH-LBS OR 23 FT-LBS

ABB PROPRIETARY AND CONFIDENTIAL INFORMATION

The information contained in the document has to be kept strictly confidential.
Any unauthorized use, reproduction, distribution or disclosure to third parties is strictly forbidden.
ABB reserves all rights regarding intellectual Property Rights.
Copyright 2021 ABB. All rights reserved

Third Angle Projection

ABB

SIZE	NUMBER	REV
D	TSDR830USCU	B
SCALE	PRODUCT LINE	SHEET
0.125	LOAD CENTERS	2 of 2