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SIZE
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DWG NO.
4.16-0.48-NEMA 1-CABLE

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NOTES:

0. APPLICABLE DOCUMENTS AND STANDARDS

A. IEEE Std C57.12.01, IEC 60076-11.

1. MECHANICAL:

A. CONSTRUCTION:

ENCLOSURE IS NEMA 1 INDOOR KNOCK DOWN TYPE WITH REMOVABLE PANELS MADE OF COLD-ROLLED STEEL SHEET ATTACHED TO A STEEL BASE FRAME, AND THE BASE IS FINISHED WITH SPRAYING BLACK PAINT.

COILS: FIBER REINFORCED VACUUM CAST EPOXY RESIN WITH COPPER WINDINGS.

CORE: STEP LAPPED SILICA STEEL LAMINATION (EQUAL TO M5) WITH BLACK EPOXY PAINT COATING .

BUS WORK: TIN PLATED COPPER.

B. FINISH:

ENCLOSURE IS ELECTRO-STATIC POWDER PAINT, ANSI 61.

C. THE JUNCTION BOX (NEMA 12) INCLUDES TERMINALS AND TERMINAL BOARDS, AND CABLE ENTERS FROM THE BOTTOM OF THE TERMINAL BOX.

2. ELECTRICAL:

A. TRANSFORMER RATING (SEE SHEET 2).

3. ENVIRONMENTAL:

A. OPERATING

INDOOR

TEMPERATURE: DESIGN AMBIENT TEMPERATURE IS 30°C(86°F) AVG / 40°C(104°F) MAX.

ALTITUDE: 1000M (3300FEET) MAX

B. STORAGE

TEMPERATURE: -25°C(-13°F) TO 50°C(122°F)

HUMIDITY: 0% TO 75%

4. MISCL:

A.  : CENTER OF GRAVITY.

B. ALL INDICATORS AND GAUGES ARE DIMENSIONED IN BOTH ENGLISH AND METRIC UNITS, UNLESS OTHERWISE SPECIFIED, DIMENSION TOLERANCE IS ±3%.

C. 54" SPACE REQUIRED AROUND THE ENCLOSURE FOR VENTILATION AND MAINTENANCE.

THIS DRAWING IS FOR REFERENCE ONLY,
JINPAN RESERVE THE RIGHT TO ADJUST
PARAMETER IF NECESSARY.

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APPROVED
A		INITIAL ISSUE	Sep 22, 2017	P.Wan

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C

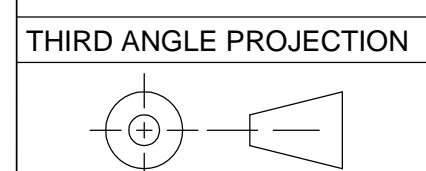
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JINPAN INTERNATIONAL USA LIMITED		* 390 VETERANS BOULEVARD *	
		* CARLSTADT, NJ, 07072 *	
CAST COIL DRY-TYPE TRANSFORMER			
4.16 KV PRIMARY AND 0.48 KV SECONDARY			
OUTLINE DRAWING			
DWG NO: 4.16-0.48-NEMA 1-CABLE			
SIGNATURES		DATE	
DRAWN: D.Meng	Sep 22, 2017	SCALE: NONE	
CHECKED: L.Qin	Sep 22, 2017	REV.: A	
APPROVED: P.Wan	Sep 22, 2017	SHEET: 1 of 3	

SIZE
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DWG NO.
4.16-0.48-NEMA 1-CABLE

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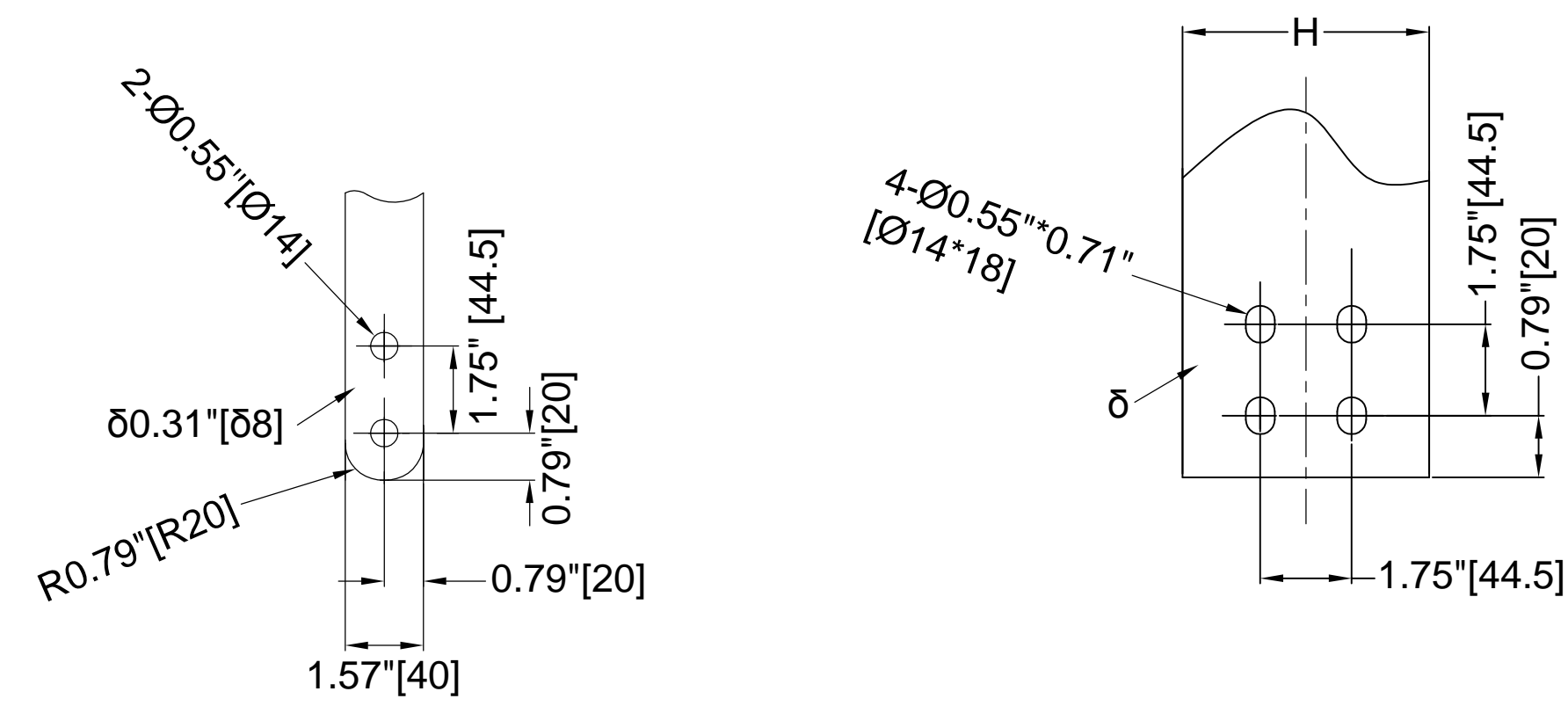
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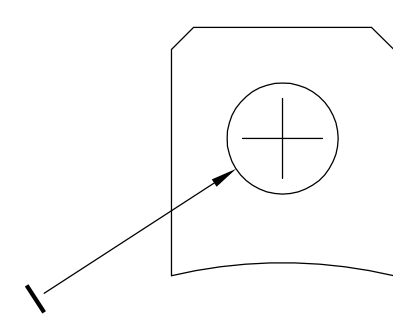
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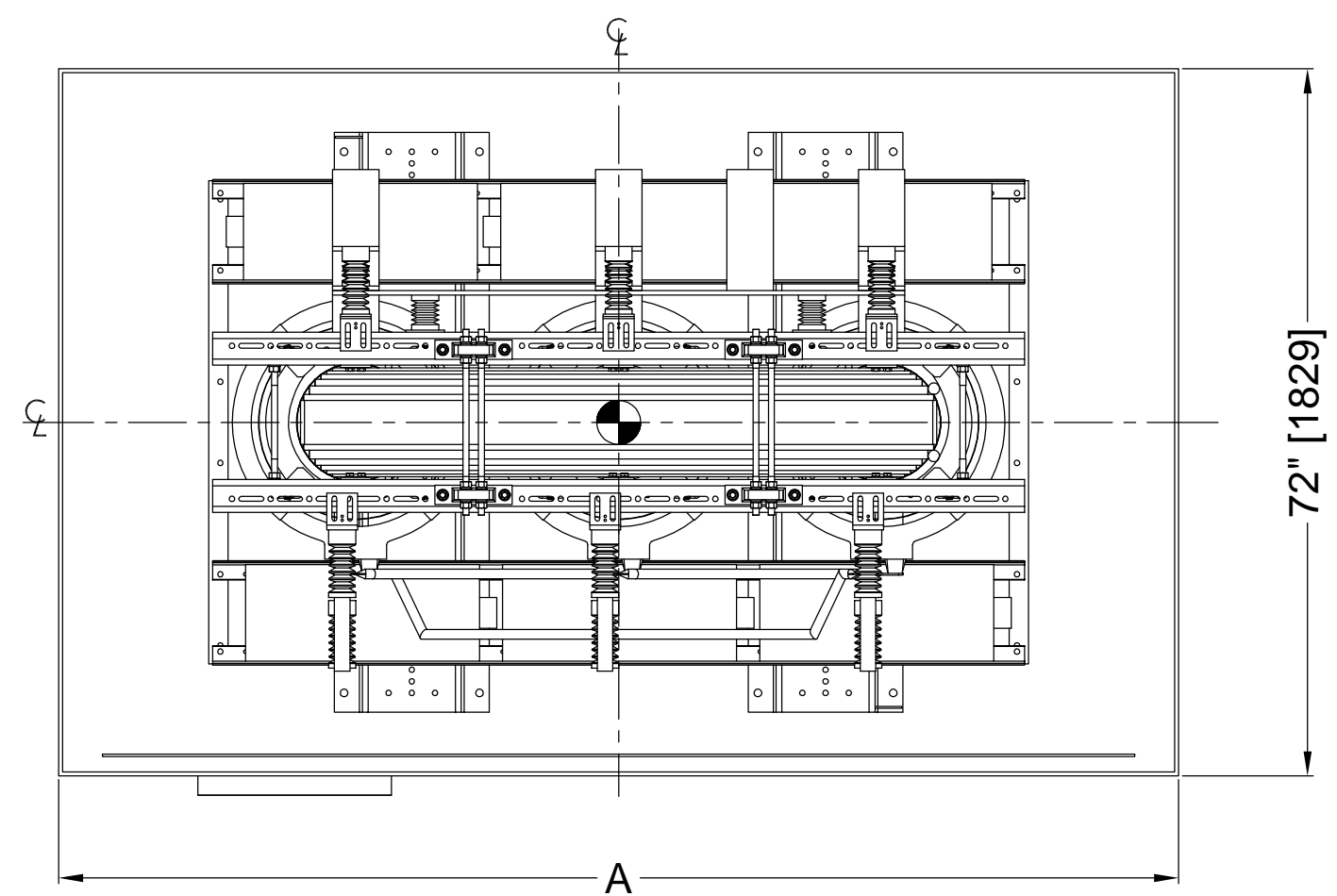
HV TERMINAL(H1-H3)

LV TERMINAL(X0-X3)

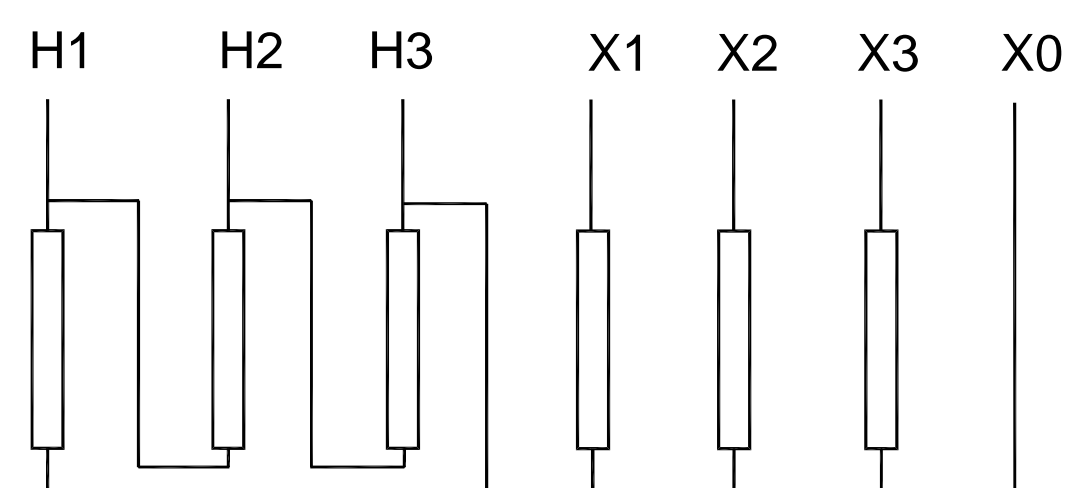


LIFTING LUG

Rated (kVA)	Dimension(in/mm)											LBS/KG	
	A	B	C	D	E	F	G	H	δ	I	J	W1	W2
500/665	96"[2438]	19.9"[505]	33"[838]	55"[1397]	50"[1270]	22"[560]	22"[560]	3.15"[80]	0.24"[6]	Ø1.97"[Ø50]	38"[965]	4550/2065	6490/2945
1000/1330	96"[2438]	24"[610]	35"[889]	56"[1422]	53"[1346]	24"[610]	24"[610]	3.15"[80]	0.39"[10]	Ø1.97"[Ø50]	38"[965]	7595/3445	9535/4325
2000/2660	114"[2896]	26.8"[680]	40"[1016]	71"[1803]	68"[1727]	25.2"[640]	25.6"[650]	5.91"[150]	0.47"[12]	Ø1.97"[Ø50]	47"[1194]	14310/6490	16500/7485
3000/3990	126"[3200]	30.1"[765]	42"[1067]	71"[1803]	68"[1727]	27.6"[700]	27.6"[700]	5.91"[150]	0.59"[15]	Ø2.76"[Ø70]	53"[1346]	18010/8170	20370/9240



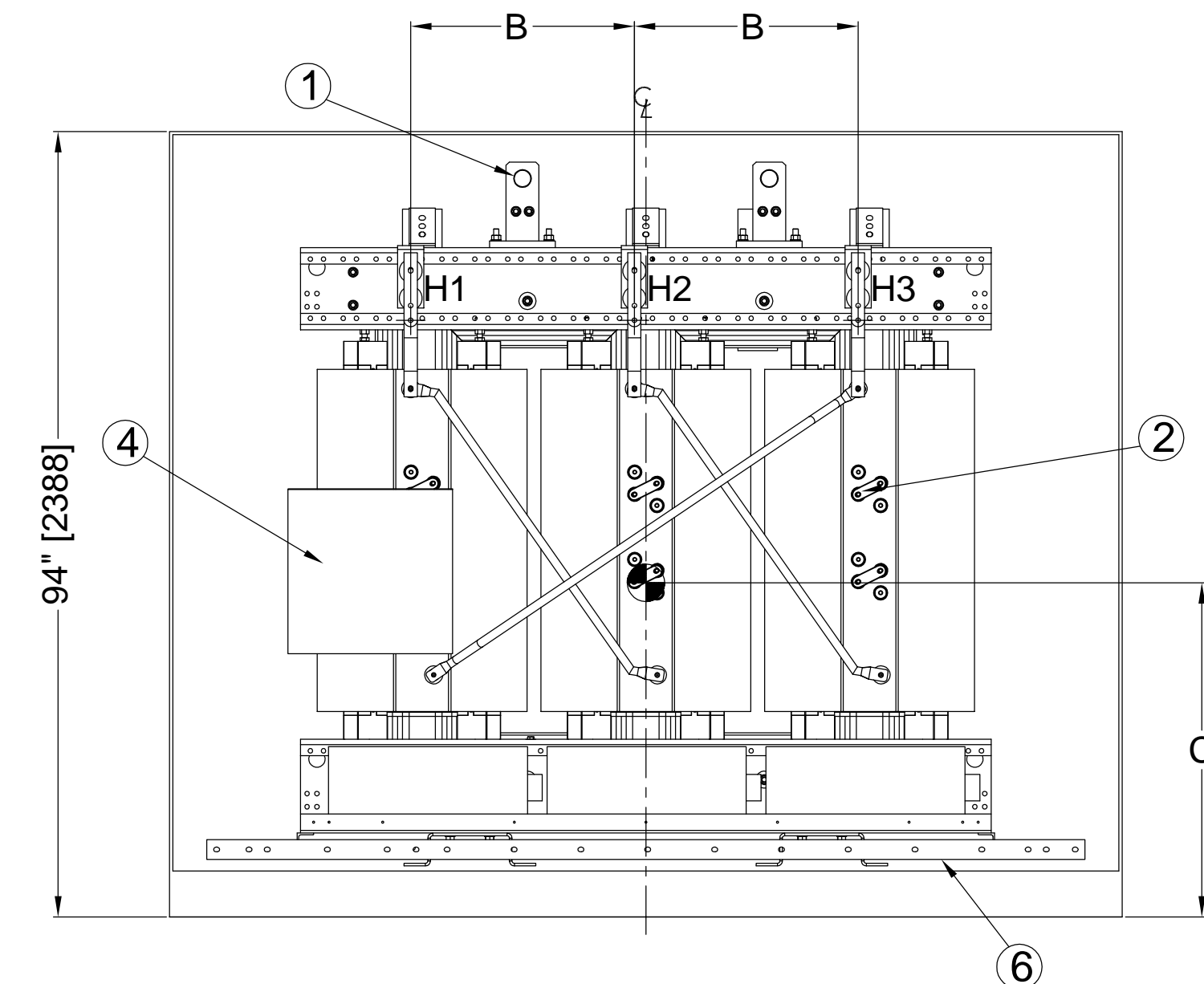
TOP PLAN VIEW



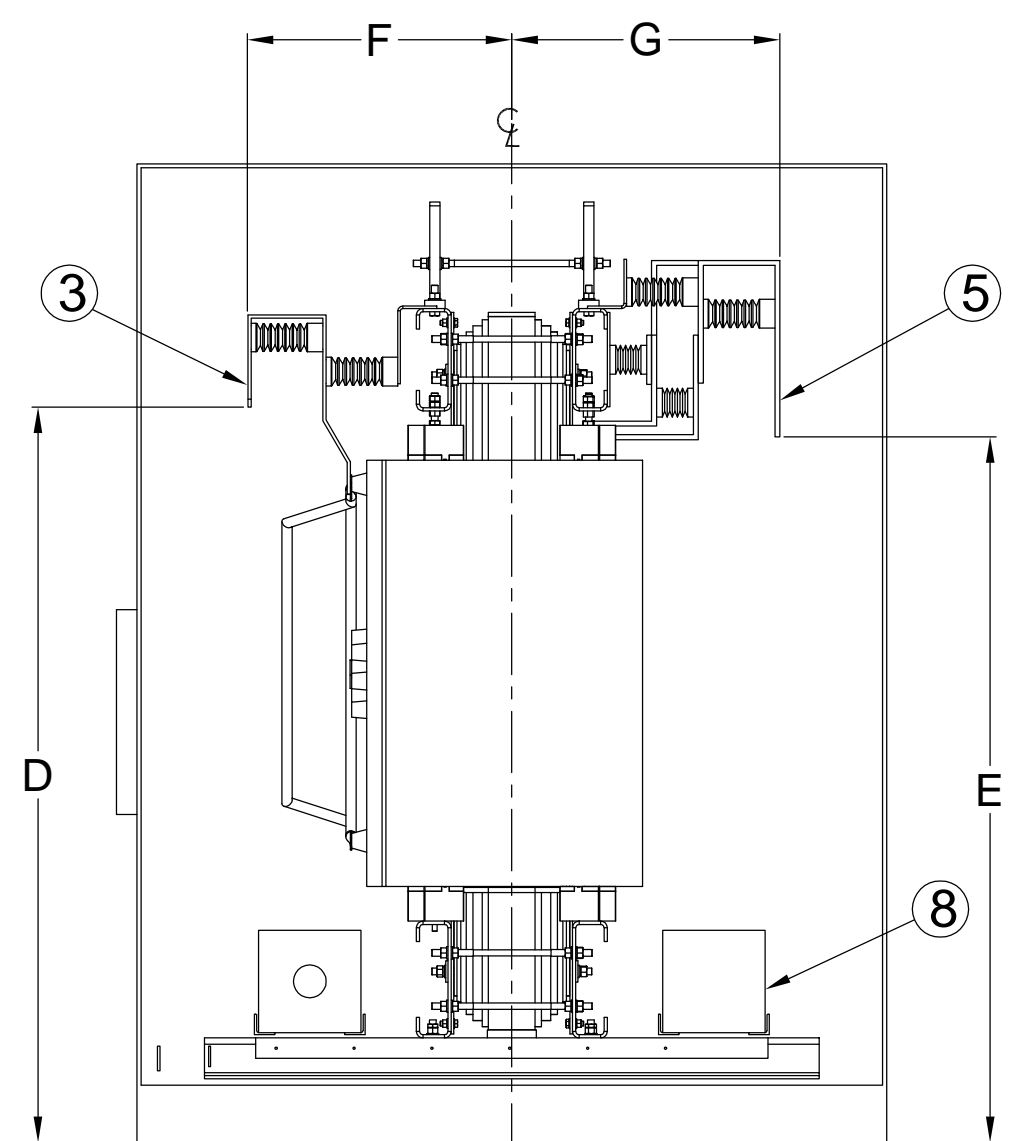
TAP	VOLTAGE	CONNECTIONS	FIGURE
A	4368	2-3 & 6-7	
B	4264	2-3 & 5-7	
C	4160	1-3 & 5-7	
D	4056	1-3 & 5-8	
E	3952	1-4 & 5-8	

ITEM	QTY.	DESCRIPTION	REFERENCE
8	6	COOLING FAN	
7	1	ENCLOSURE	
6	1	GROUND BUS	
5	4	LV TERMINAL	
4	1	JUNCTION BOX (JB)	
3	3	HV TERMINAL	
2	6	HV TAPS	
1	4	LIFTING LUG	

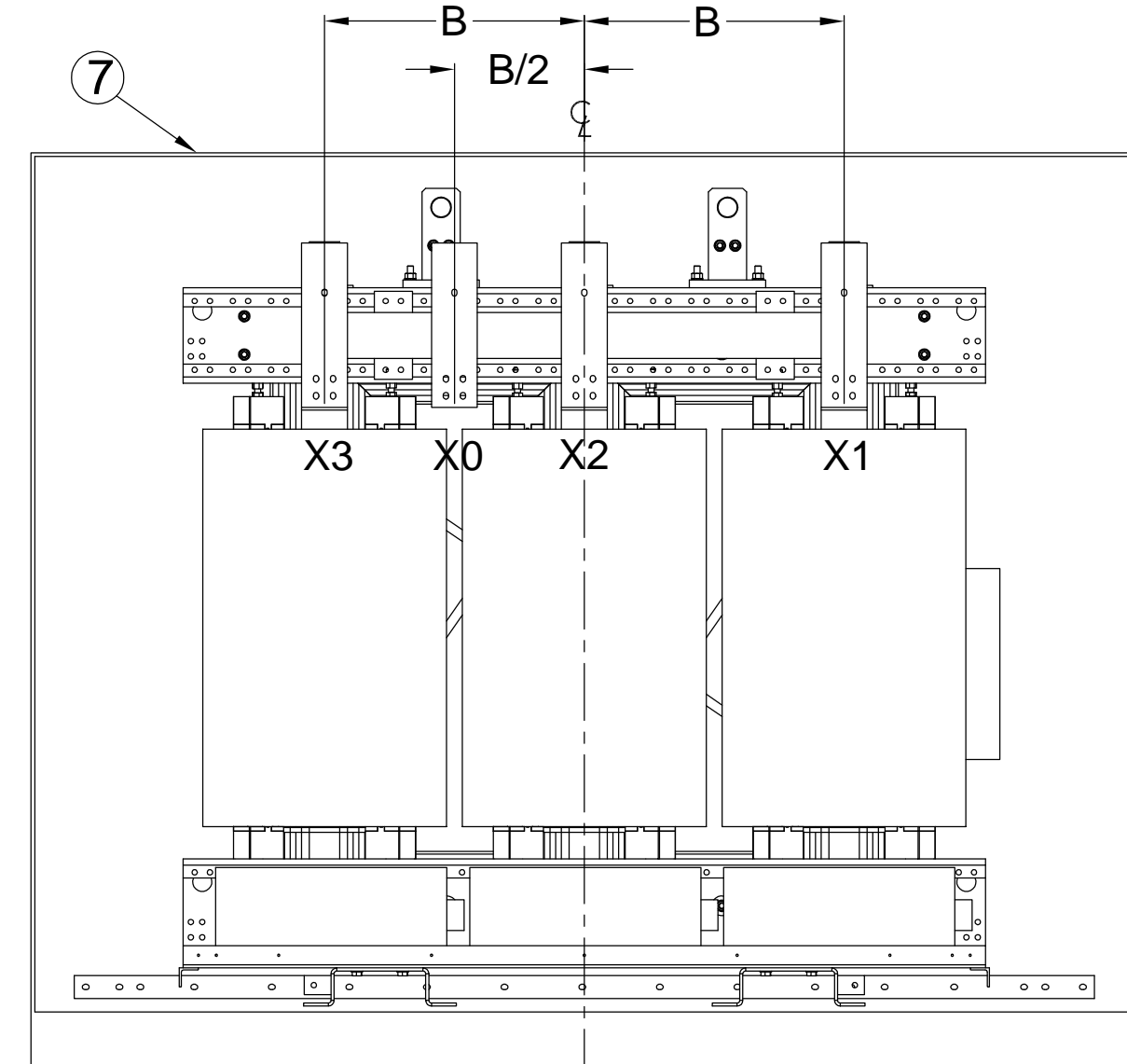
B



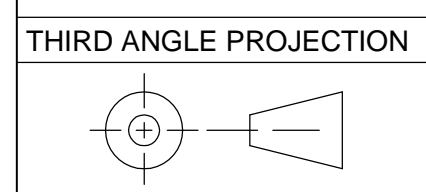
FRONT VIEW (HV TAPS)



RIGHT SIDE VIEW



REAR VIEW



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STANDARD: IEEE Std C57.12.01, IEC 60076-11

KVA: Rated	COOLING CLASS: AA / FA
HV. 4160 V D	B.I.L. 60 kV 12 kV AC
LV. 480 V Y	B.I.L. 30 kV 4 kV AC

PHASE: 3 FREQUENCY: 60 Hz
 INSULATION SYSTEM: 185°C(365°F) TEMPERATURE RISE: 80°C(176°F)
 HV TAPS: ±5%, 2.5% EACH STEP
 CONNECTION: Dyn1
 IMPEDANCE: 5.75% based on Rated kVA (Tolerance: +/-7.5%)
 APPROX. WEIGHT TRANSFORMER: W1
 TRANSFORMER WITH ENCLOSURE: W2

JINPAN INTERNATIONAL USA LIMITED
 * 390 VETERANS BOULEVARD *
 * CARLSTADT, NJ, 07072 *

CAST COIL DRY-TYPE TRANSFORMER
 4.16 KV PRIMARY AND 0.48 KV SECONDARY

OUTLINE DRAWING

DWG NO: 4.16-0.48-NEMA 1-CABLE

SIGNATURES	DATE	SCALE:
DRAWN: D.Meng	Sep 22, 2017	NONE
CHECKED: L.Qin	Sep 22, 2017	REV.: A
APPROVED: P.Wan	Sep 22, 2017	SHEET: 2 of 3

SIZE DWG NO. 4.16-0.48-NEMA 1-CABLE
 SHEET NO. 1 REV. A
 DIST. TO

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PARAMETER IF NECESSARY.

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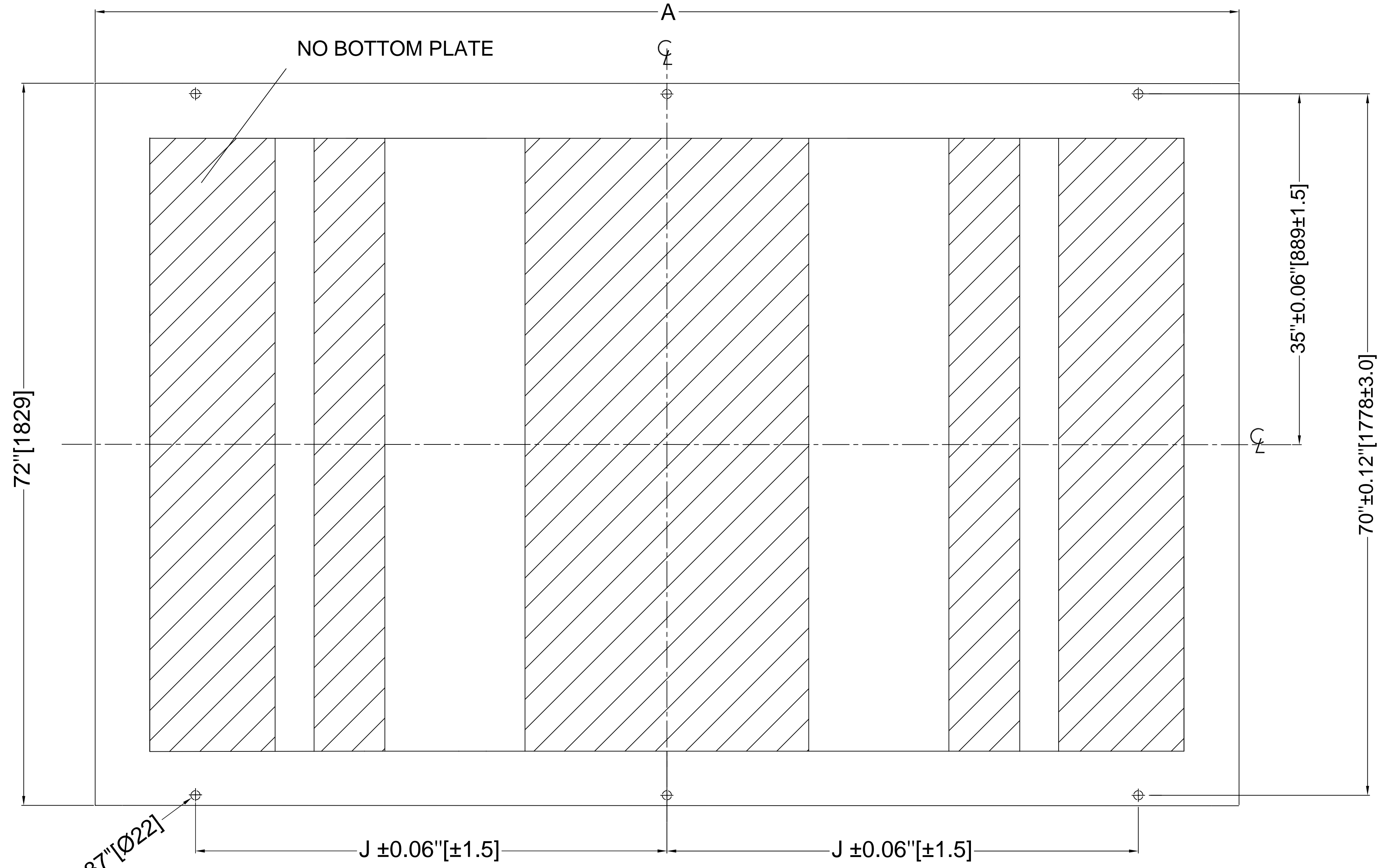
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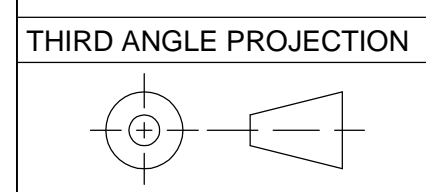
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FRONT SIDE
FOUNDATION PLAN



JINPAN INTERNATIONAL USA LIMITED		* 390 VETERANS BOULEVARD *	
		* CARLSTADT, NJ, 07072 *	
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OUTLINE DRAWING			
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DRAWN: D.Meng		Sep 22, 2017	SCALE: NONE
CHECKED: L.Qin		Sep 22, 2017	REV.: A
APPROVED: P.Wan		Sep 22, 2017	SHEET: 3 of 3

SIZE | DWG NO. | 4.16-0.48-NEMA 1-CABLE | SH | REV. | 1 | A | DISTR TO