

FEATURES

- A. CROSS KINKED ROOF FOR RIGIDITY AND WATER RUNOFF.
- B. REMOVABLE LIFTING PLATES WITH BLIND MOUNTING HOLES.
- C. 3-POINT POSITIVE LATCH MECHANISM WITH PENTA-HEAD SECURITY BOLTS ACCEPTS STANDARD UTILITY PADLOCKS. PENTA-HEAD ON RIGHT OPERATES 3-POINT LATCH. PENTA-HEAD ON LEFT SECURES DOOR TO CENTER DOOR JAMB.
- D. STAINLESS STEEL HINGE WITH CAPTIVE PIN.
- E. DOORS HAVE NO CENTER SUPPORT ALLOWING FOR INCREASED WORKING AREA IN CABLE COMPARTMENTS.
- F. GROUND ROD, 3/8" DIA. COPPER, MOUNTED TO GROUND PADS. GROUND PADS ALSO HAVE NEMA 2-HOLE PATTERN.
- G. THERMOPANE VIEWING WINDOWS ARE OVERSIZED WHICH ALLOW FOR MAXIMUM VISIBILITY OF SWITCH POSITION.
- H. SOURCE BUSHINGS, 600 AMP, ARE EXTERNALLY REPLACEABLE.
- I. TAP BUSHINGS, 200 AMP, ARE EXTERNALLY REPLACEABLE.
- J. VENTILATION LOUVERS ARE TAMPERPROOF WITH SCREEN BACKING.
- K. FAULT INDICATOR VIEWING WINDOW PROVIDED ON EACH SWITCH-WAY DOOR.
- L. PARKING STANDS ARE #14 GA. STAINLESS STEEL.
- M. DOOR RETAINER HOLDS DOOR IN THE OPEN POSITION.
- N. STORAGE POCKET LOCATED ON INSIDE OF RIGHT-HAND SOURCE SIDE COMPARTMENT DOOR.
- O. FLOOR IN COMPONENT (CENTER) COMPARTMENT EXCLUDES ANIMALS AND FOLIAGE. FLOOR HAS SCREENED DRAIN HOLES TO EVACUATE MOISTURE.
- P. SWITCH OPERATING DOOR IS PADLOCKABLE AND ALLOWS ACCESS TO GANG SWITCH OPERATOR AND STORED OPERATING HANDLE. GANG SWITCH OPERATOR IS PADLOCKABLE IN EITHER OPEN OR CLOSE POSITION.
- Q. PHASE DESIGNATION LABELS ('A', 'B' & 'C' AS REQUIRED).
- R. MANUFACTURER'S NAMEPLATE LOCATED ABOVE LATCHING MECHANISM ON BOTH FRONT & REAR COMPARTMENT DOORS AND ON SOURCE & TAP PANELS AS SHOWN. SEE NAMEPLATE DETAIL FOR CONTENTS.

 **CHANCE**
CENTRALIA, MISSOURI 65646

PADMOUNTED SWITCHGEAR

CAT. NO. A100A000061

PADMOUNTED SWITCHGEAR NO. AIS-10

DATE OF MFR. MONTH MO. YEAR YR.

SER. NO. SERIAL NUMBER

FUSE

WT. 1650 LBS.

MAX. KV. 15.5 60HZ B.I.L. KV. 95

CONT. AMPS. - 600

LOAD INTER. AMPS. - 600

MOM/MAKING CUR. - 192 KA. ASYM.

PURCHASE ORDER NUMBER P.O. NUMBER

MADE IN USA

NAMEPLATE DETAIL
(4X)

ELECTRICAL RATINGS

NOMINAL VOLTAGE	15 kV
MAXIMUM DESIGN VOLTAGE	15.5 kV
BASIC INSULATION LEVEL (BIL)	95 kV
ONE MINUTE WITHSTAND (60Hz)	35 kV
CONTINUOUS CURRENT (SWITCH WAY)	600 AMP
LOAD SWITCHING	600 AMP
CABLE CHARGING CURRENT	10 AMP
MAGNETIZING CURRENT	21 AMP
MOMENTARY & MAKING CURRENT (RMS SYM.)	12,000 AMP
MOMENTARY & MAKING CURRENT (RMS ASYM.)	19,200 AMP

CONSTRUCTION

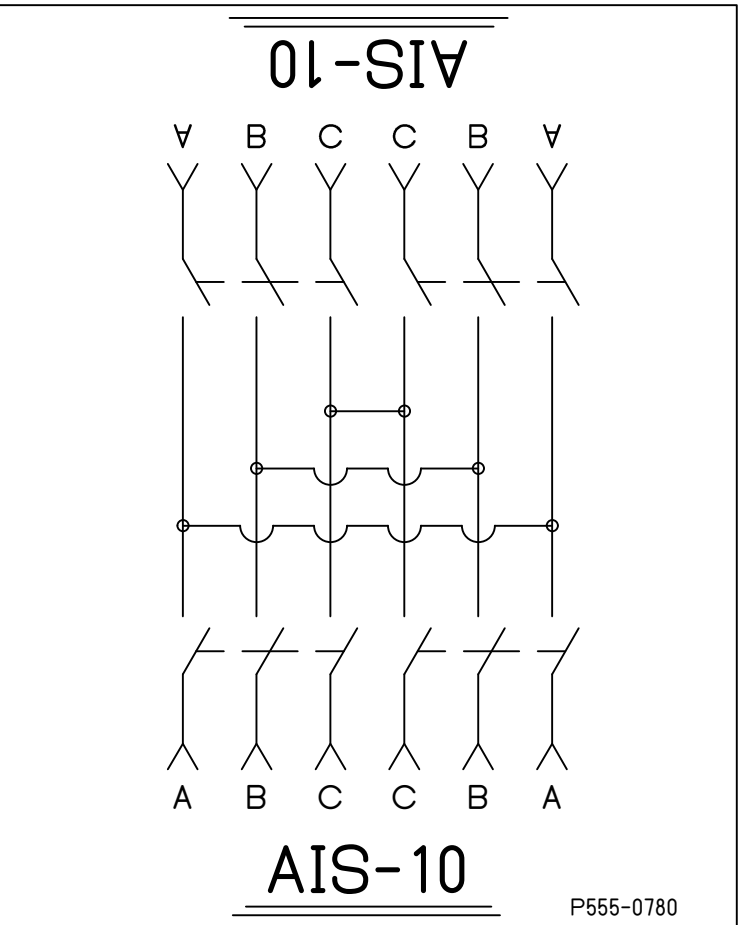
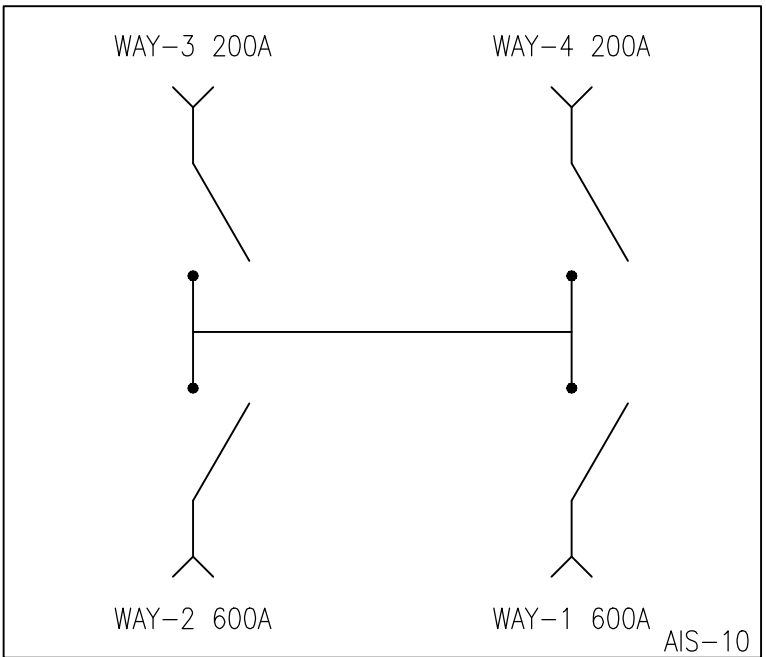
- NEMA TYPE 3R, MILD STEEL WELDED CONSTRUCTION, WELDS & SEAMS GROUND SMOOTH.
 - MATERIAL: #11 GA. ENCLOSURE AND #18 GA. FLOOR.

- MEETS ANSI C37.72 STANDARD FOR PAD-MOUNTED DEADFRONT SWITCHGEAR.

- MEETS ANSI C57.12.28 STANDARD FOR PAD-MOUNTED EQUIPMENT ENCLOSURE INTEGRITY.

- FINISH COAT IS MUNSELL OLIVE GREEN 7GY3.29/1.5. PAINT FINISH MEETS OR EXCEEDS A.N.S.I. C57.12.28 PAINT SPECIFICATIONS FOR PAD-MOUNT EQUIPMENT.

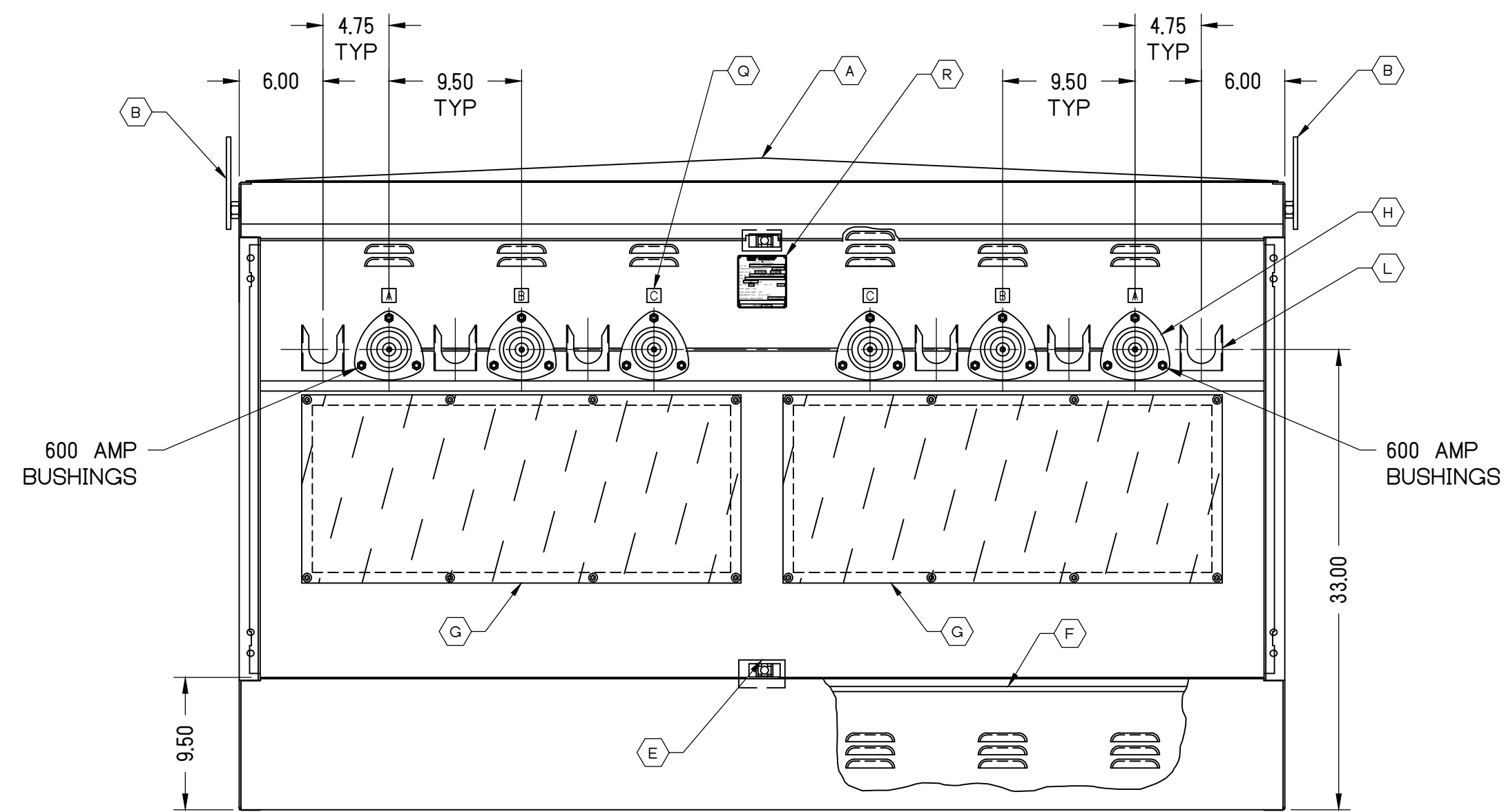
- INSULATING "NO-DRIP" COMPOUND IS APPLIED TO THE INSIDE SURFACE OF THE ENCLOSURE ROOF TO PREVENT CONDENSATION.



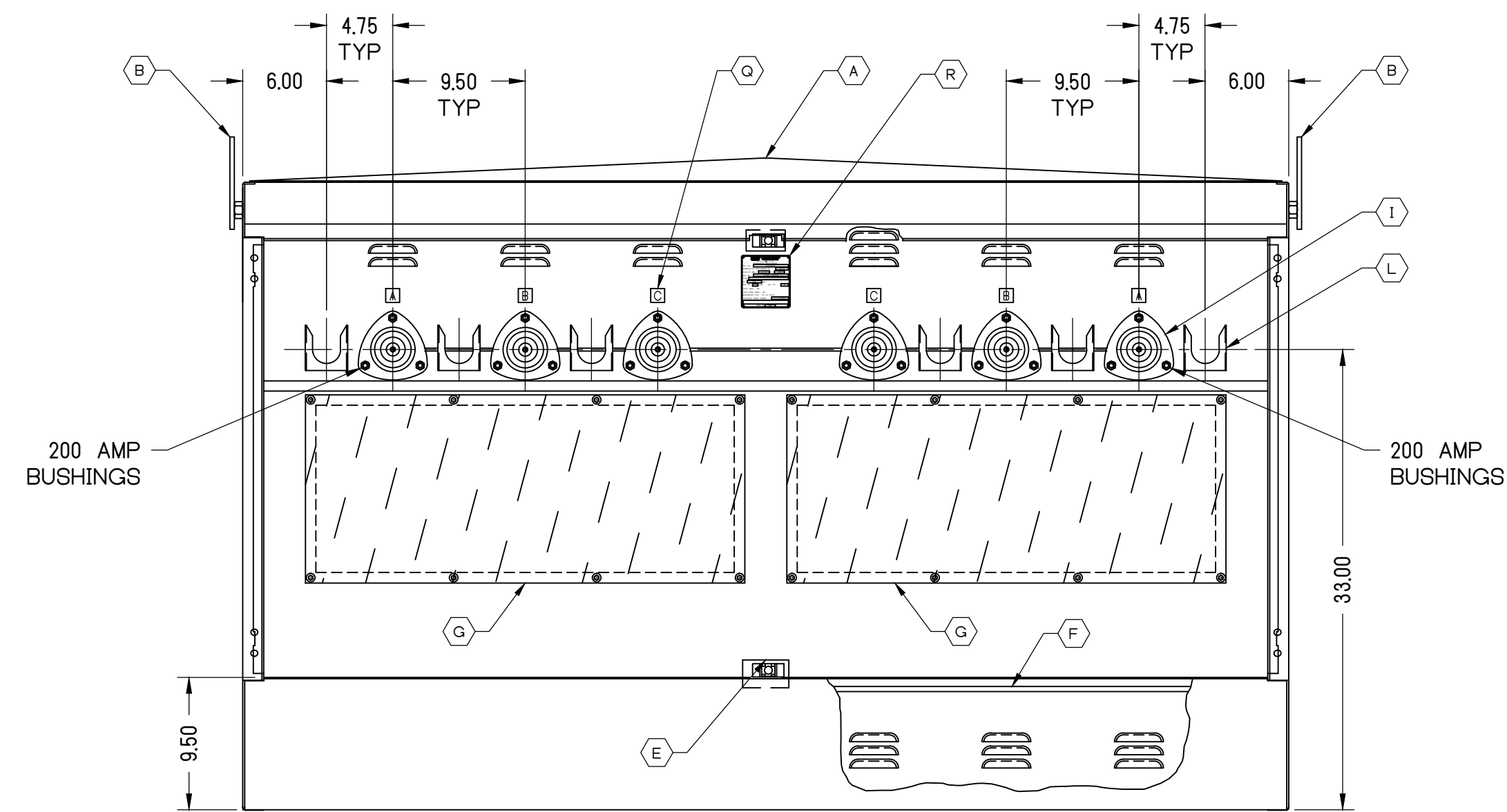
CIRCUIT DIAGRAM

APPROXIMATE WEIGHT: 1650 LBS.

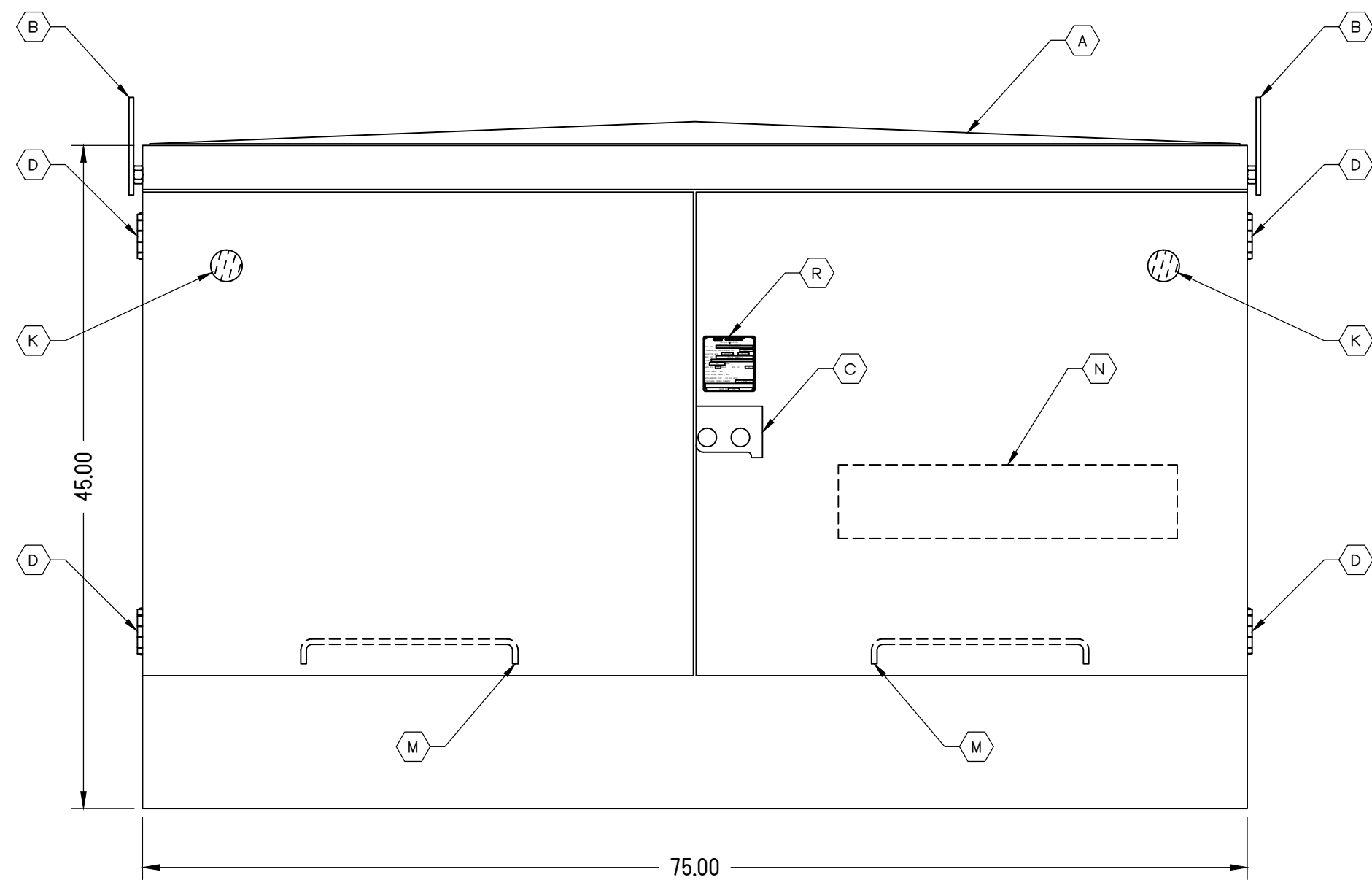
--		--		--		--		CHANCE[®] TOLERANCE CHART X. ± .060 FRAC ±1/16 ANGLES ±2° XX ± .030 ADD DRAFT (UNLESS NOTED) XXX ± .005 CASTING 3" FORGINGS 1"		 HUBBELL[®] POWER SYSTEMS	
EC #		DATE		CHG BY		RESP ENG				TITLE AIS-10 15KV 200A & 600A STANDARD	
DESC OF DWG: -- -- -- -- REASON (S) FOR CHANGE: -- DISPOSITION OF MAT'L: --						AREAS AFFECTED BY LATEST EC →Y N S.P.C. = X F.A.I. = X TOOL/EQUIP = X SUPPLIER = X GAUGES = X PRCS PROC = X PKG/LABEL = X INSP/TEST = X		CONFIDENTIAL: THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND ITS EXCLUSIVE PROPERTY OF HUBBELL POWER SYSTEMS. NO PUBLICATION, DISTRIBUTION OR COPIES MAY BE MADE WITHOUT THE WRITTEN CONSENT OF HUBBELL POWER SYSTEMS. HUBBELL POWER SYSTEMS UNPUBLISHED. ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.			
SIZE D		DWG NO. AP-A100A000061		CAT / PART / ASSY NO. A100A000061		REV --					
DO NOT SCALE THIS DRAWING		DRN BY:SWKJESTER		DATE 2/20/18		SHEET 1 OF 3					



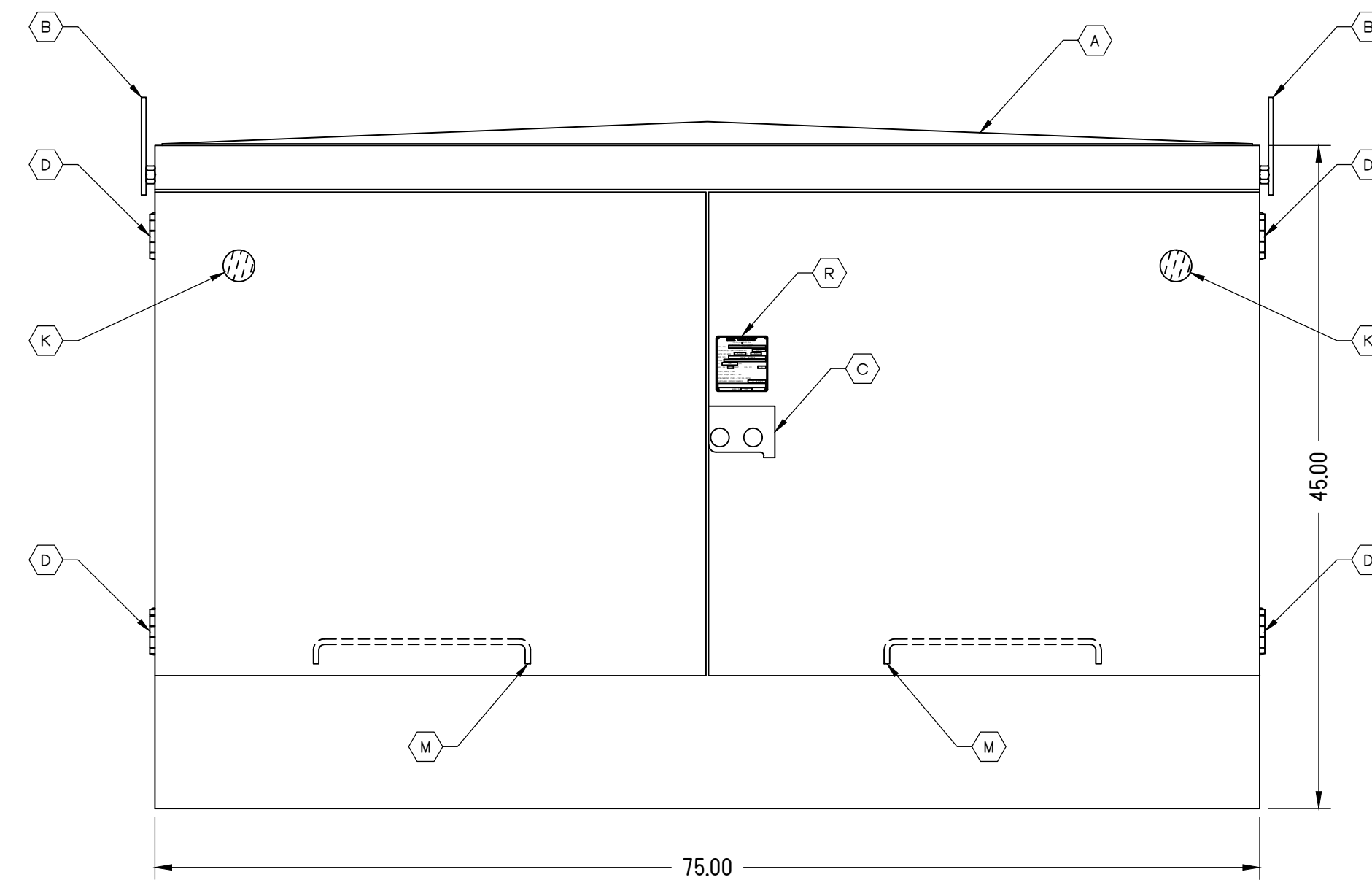
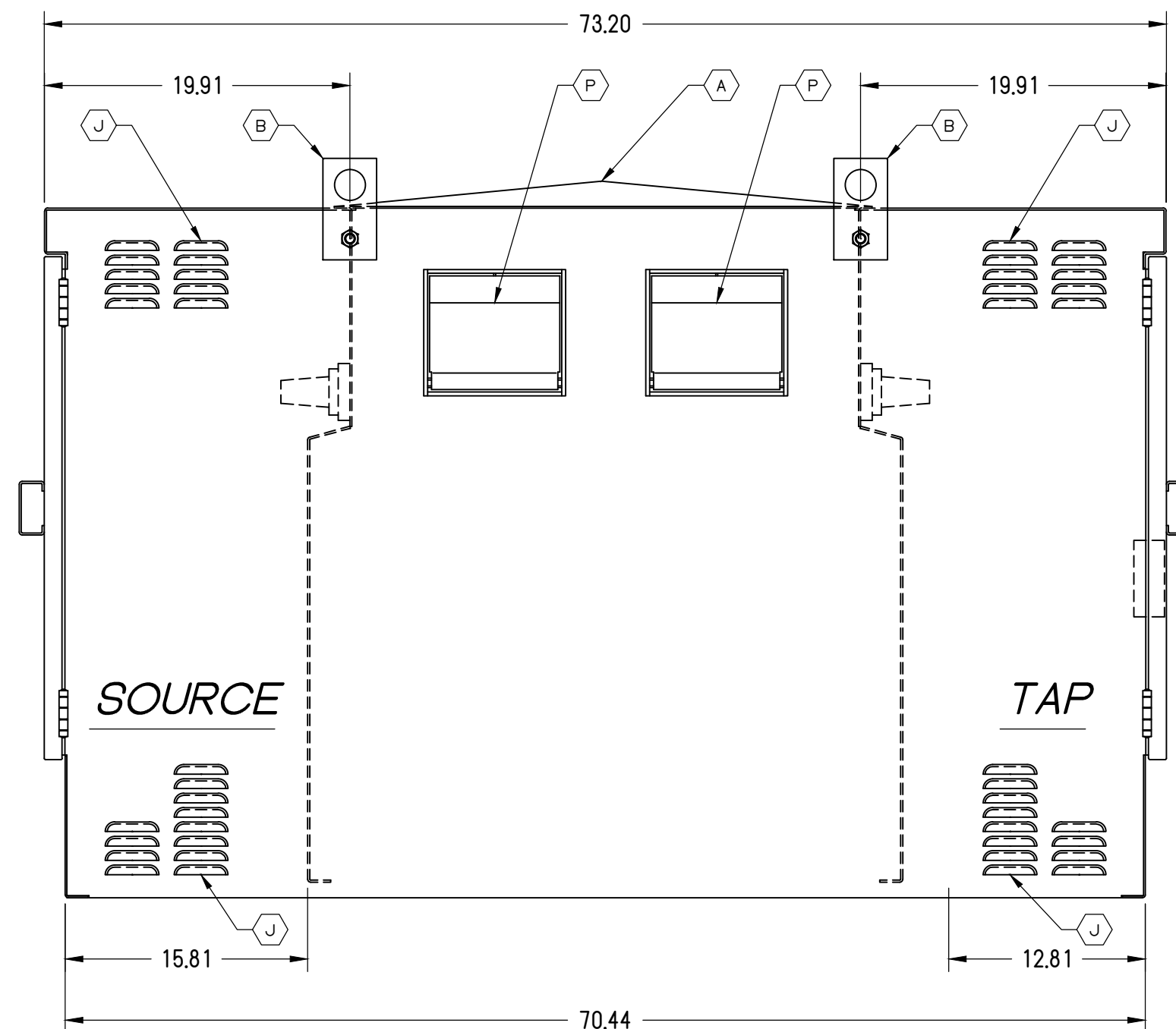
SOURCE
(DOORS REMOVED)



TAP
(DOORS REMOVED)

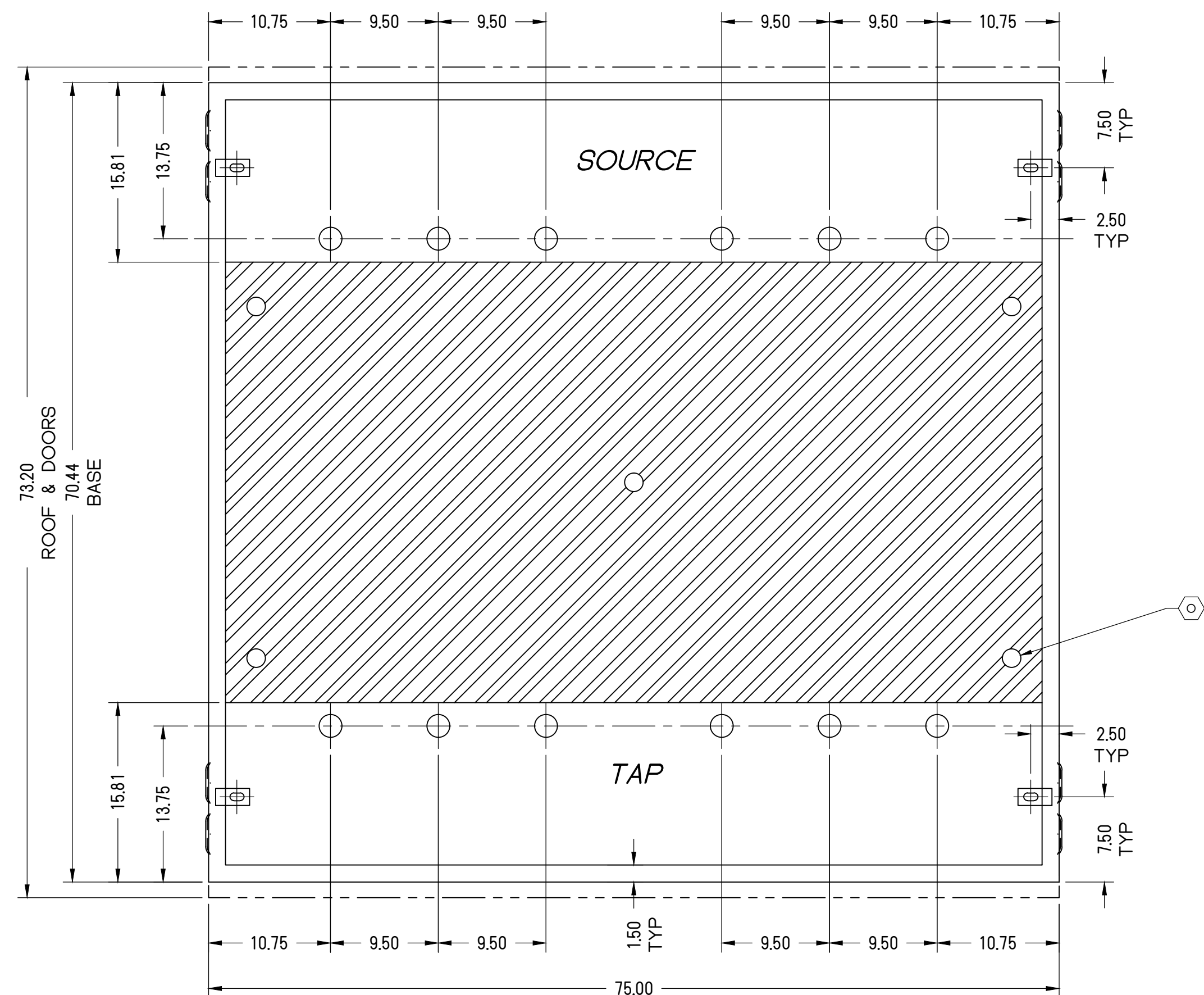


SOURCE

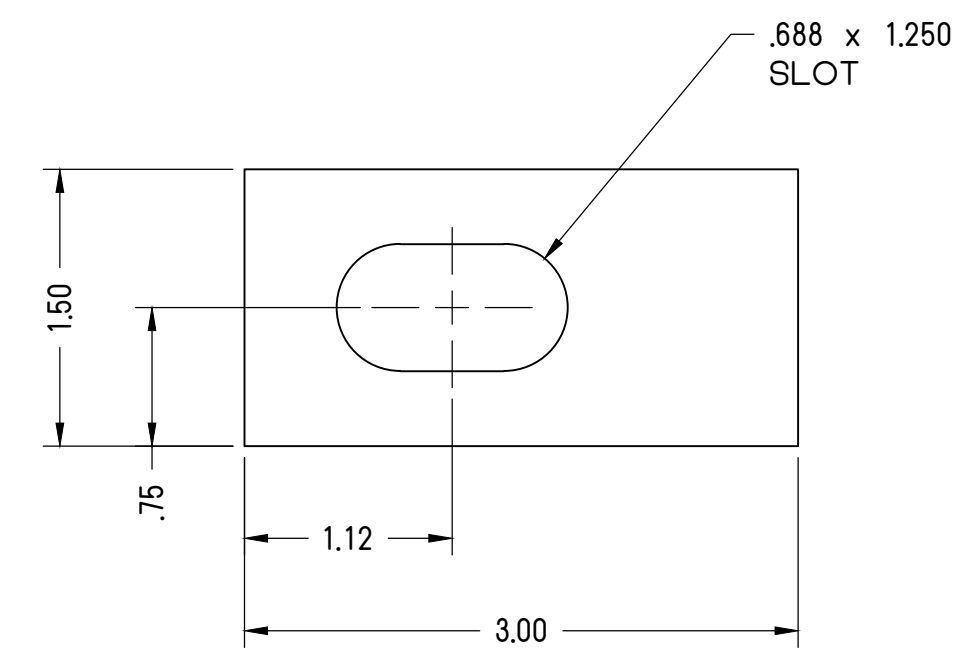


TAP

--	--	--	--
EC #	DATE	CHG BY	RESP ENG
DESC OF DWG:			AREAS AFFECTED BY LATEST EC
--	--	--	— N
--	--	--	S.P.C. — X
--	--	--	F.A.I. — X
--	--	--	TOOL/EQUIP — X
--	--	--	SUPPLIER — X
--	--	--	GAUGES — X
--	--	--	PRCS PROC — X
--	--	--	PKG/LABEL — X
--	--	--	INSP/TEST — X
REASON (S) FOR CHANGE: --			
DISPOSITION OF MAT'L: --			
CHANCE® TOLERANCE CHART X. ± .060 FRAC ±1/16 ANGLES ±2° XX ± .030 ADD DRAFT (UNLESS NOTED) XXX ± .006 CASTING 3° FORGINGS 1°			
CONFIDENTIAL: THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND THE EXCLUSIVE PROPERTY OF HUBBELL POWER SYSTEMS. NO PUBLICATION, DISTRIBUTION OR COPIES MAY BE MADE WITHOUT THE WRITTEN CONSENT OF HUBBELL POWER SYSTEMS. HUBBELL POWER SYSTEMS UNPUBLISHED. ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.			
HUBBELL® POWER SYSTEMS POWER SYSTEMS, INC.			
TITLE AIS-10 15KV 200A & 600A STANDARD			
SIZE D	DWG NO. AP-A100A000061	CAT / PART / ASSY NO. A100A000061	
DO NOT SCALE THIS DRAWING		DRN BY:SWKJESTER	DATE 2/20/18
		SHEET 2 OF 3	REV --



ANCHOR BOLT AND CABLE ENTRY DETAIL



ANCHOR CLIP DETAIL

--	--	--	--	CHANCE[®] TOLERANCE CHART X. ± .060 FRAC ±1/16 ANGLES ±2° XX ± .030 ADD DRAFT (UNLESS NOTED) XXX ± .006 CASTING 3° FORGINGS 1°		 HUBBELL[®] POWER SYSTEMS		
EC #	DATE	CHG BY	RESP ENG			TITLE AIS-10 15KV 200A & 600A STANDARD		
DESC OF DWG:				AREAS AFFECTED BY LATEST EC		CONFIDENTIAL: THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND THE EXCLUSIVE PROPERTY OF HUBBELL POWER SYSTEMS. NO PUBLICATION, DISTRIBUTION OR COPIES MAY BE MADE WITHOUT THE WRITTEN CONSENT OF HUBBELL POWER SYSTEMS. HUBBELL POWER SYSTEMS UNPUBLISHED. ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.		
--	--	--	--	→Y	N			
--	--	--	--	S.P.C. =	X			
--	--	--	--	F.A.I. =	X			
--	--	--	--	TOOL/EQUIP =	X			
REASON (S) FOR CHANGE: --				SUPPLIER =	X	SIZE D		
DISPOSITION OF MAT'L: --				GAUGES =	X	DWG NO. AP-A100A000061		
				PRCS PROC =	X	CAT / PART / ASSY NO. A100A000061		
				PKG/LABEL =	X	DO NOT SCALE THIS DRAWING		
				INSP/TEST =	X	DRN BY:SWKUESTER		
						DATE 2/20/18		
						SHEET 3 OF 3		
						REV --		