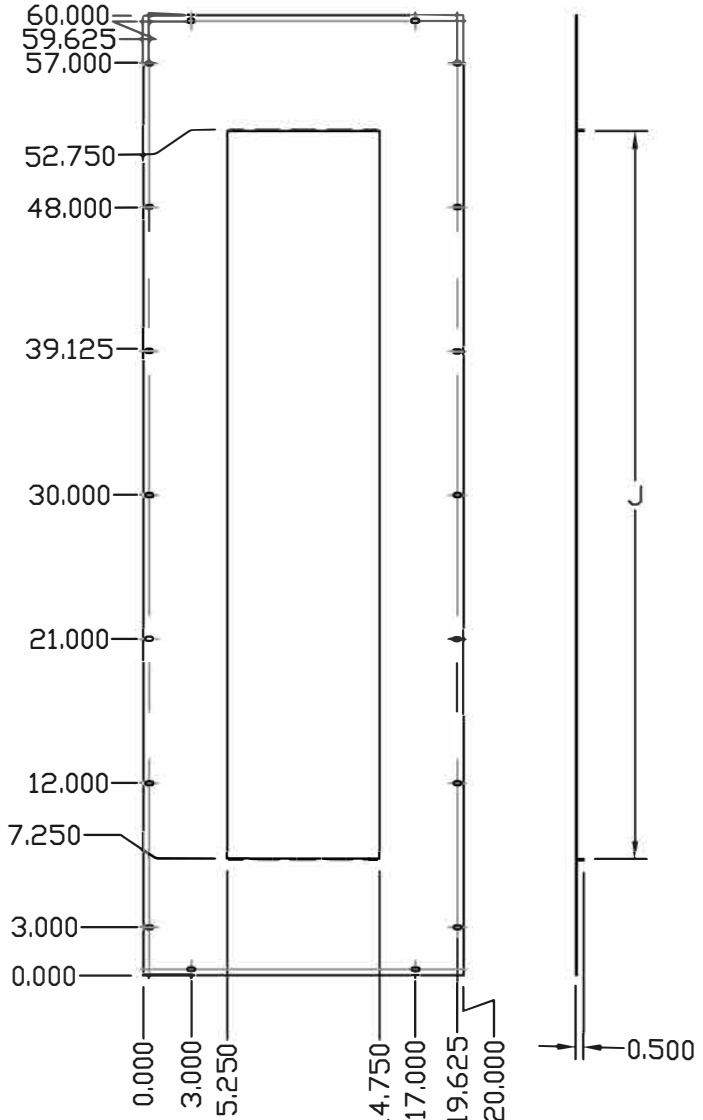
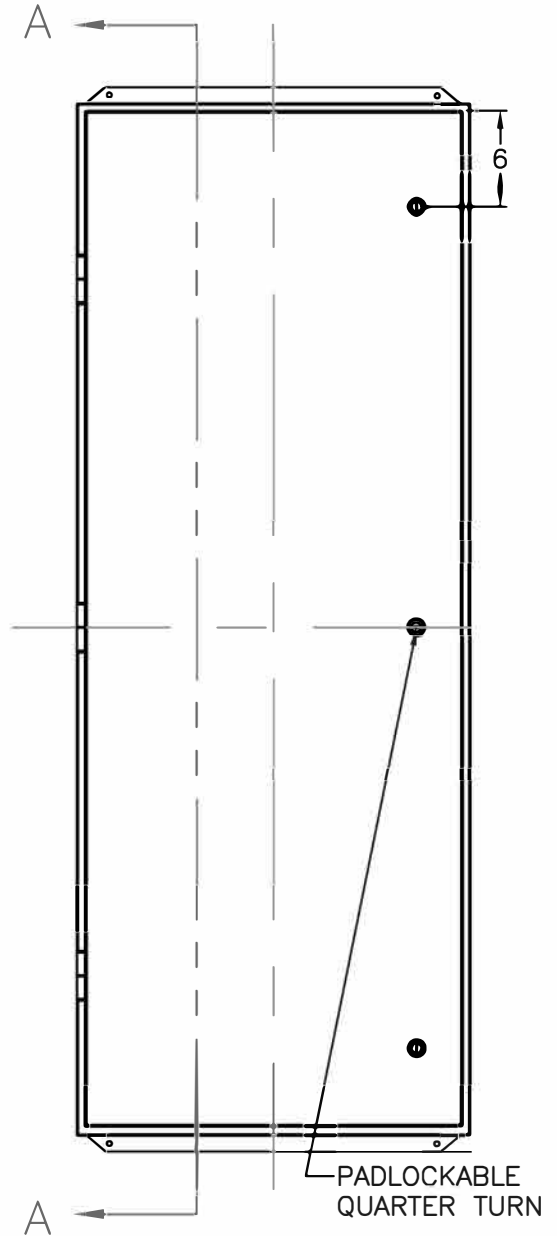


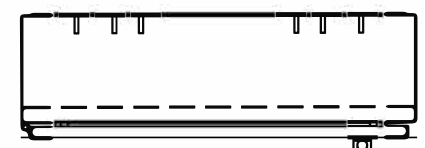
ISOMETRIC VIEW



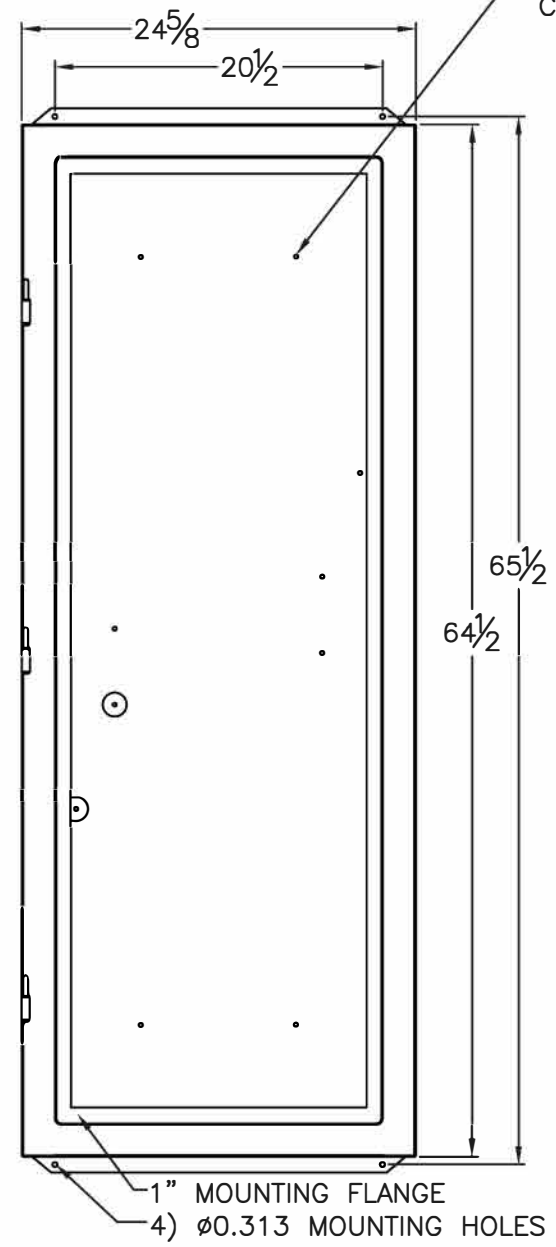
INNER TRIM PANEL DETAIL



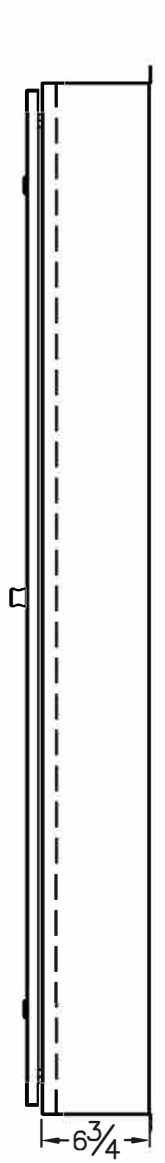
FRONT VIEW



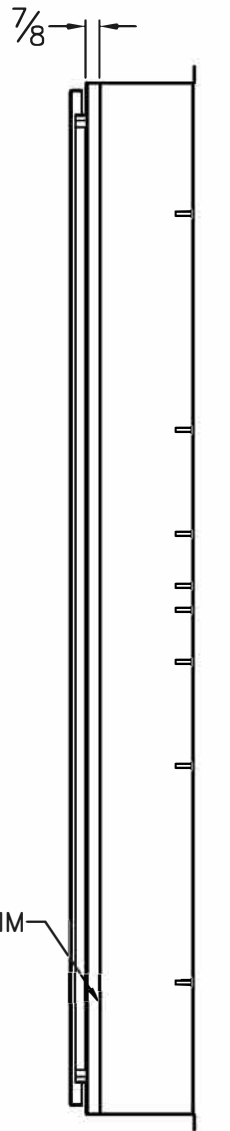
TOP VIEW



FRONT VIEW
(DOOR REMOVED)



RIGHT SIDE VIEW



SECTION A-A

- NOTES:
- 1) 304 #4 STAINLESS STEEL CONSTRUCTION.
 - 2) NO FINISH.
 - 3) GASKETTED HINGED SINGLE DOOR C/W QUARTER TURN FASTENERS, ONE PADLOCKABLE.
 - 4) INNER TRIM.
 - 5) WALLMOUNT EARS TOP & BOTTOM.

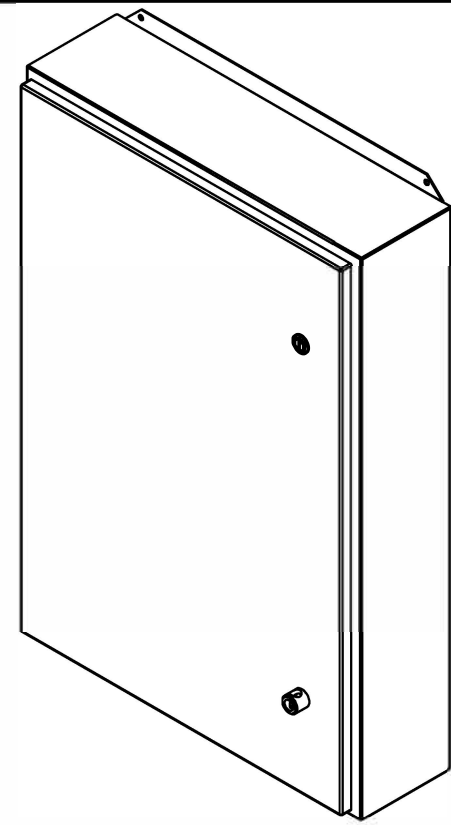
DESIGN:	DRWN.: KC	CHK'D.:	08-12-05
REV	BY	APD	REVISION
C1	KC		AS BUILT
			06-12-05
			06-05-13
			02-10-16

CUSTOMER: CUTLER-HAMMER		QUOTE No.:
PROJECT:		

DWG. No.: M3663-0805	REV. C3
CAD FILE: CUTLER	
SCALE: N.T.S.	SHEET: 1 OF 1

DESCRIPTION:
NEMA 4X - 64.5 x 24.625 x 6.75 FREEDOM 2
DRAWING #3A16053H12

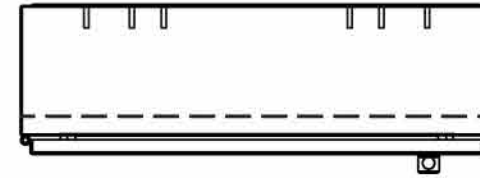
UNLESS OTHERWISE SPECIFIED DIMENSIONS & TOLERANCES ARE IN INCHES		
DECIMAL	FRACTIONAL	ANGULAR
X ± 0.06	±	± 1/2°
XX ± 0.01		
XXX ± 0.0100		



ISOMETRIC VIEW

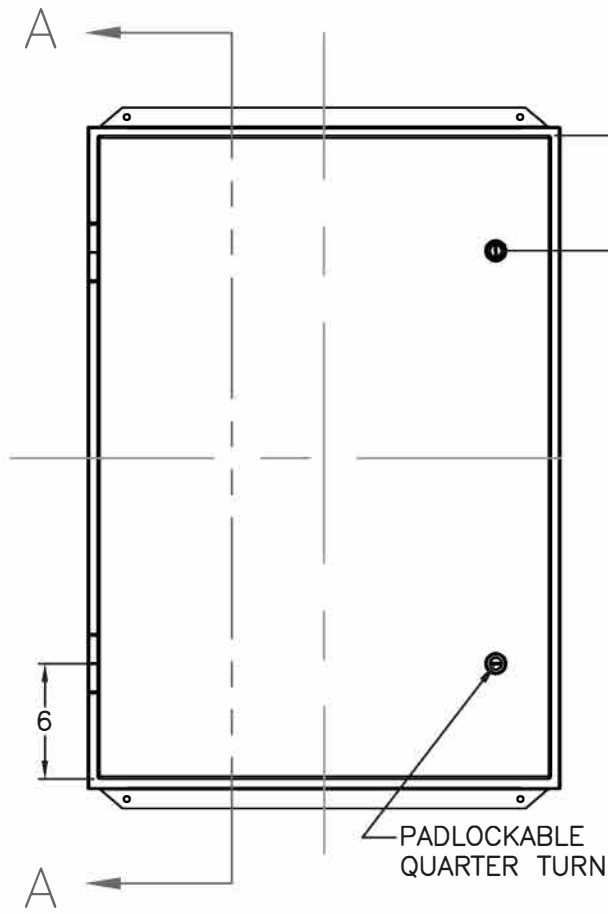
NOTES:

- 1) 304 #4 STAINLESS STEEL CONSTRUCTION.
- 2) NO FINISH
- 3) GASKETTED HINGED SINGLE DOOR C/W QUARTER TURN FASTENERS, ONE PADLOCKABLE.
- 4) INNER TRIM.
- 5) WALLMOUNT EARS TOP & BOTTOM.

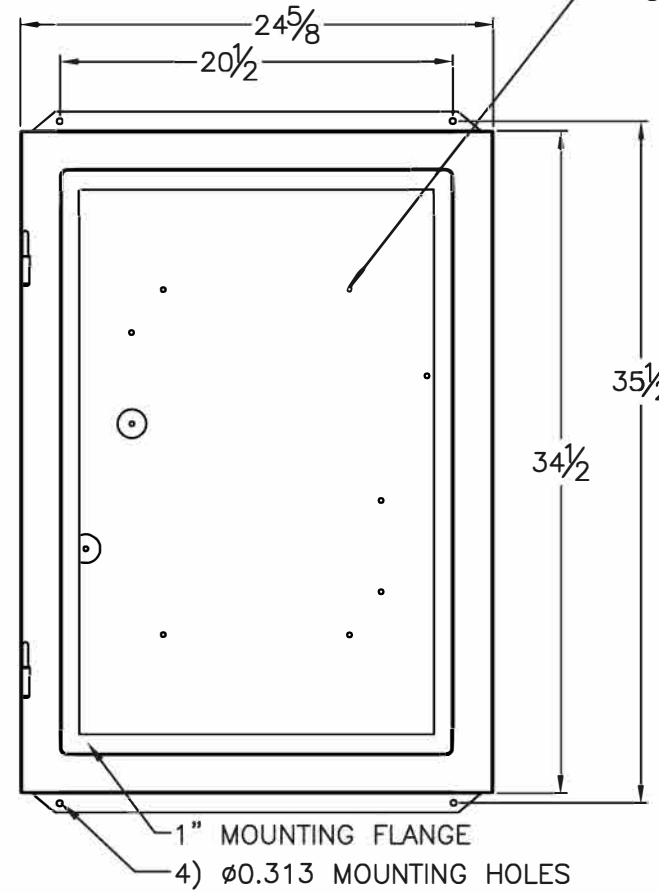


TOP VIEW

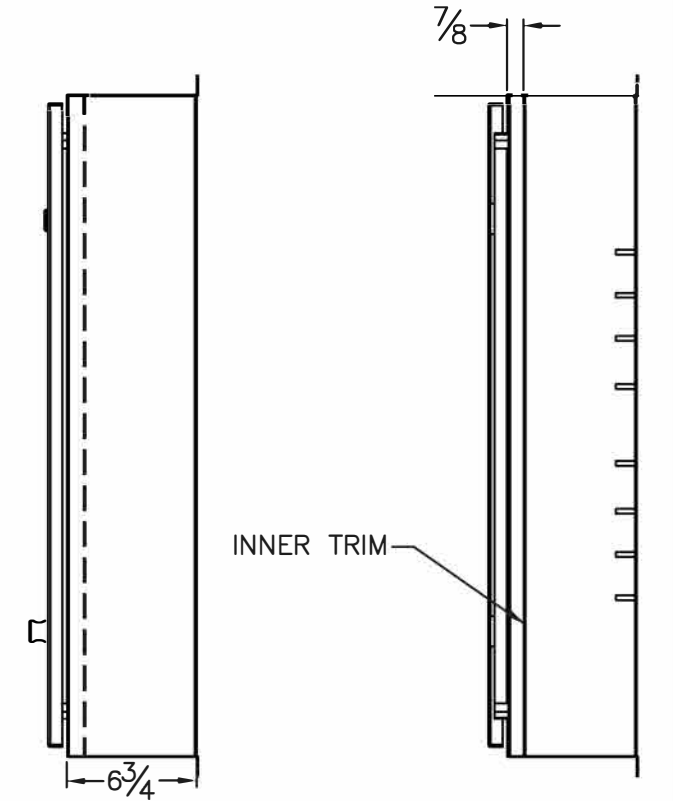
USE STANDARD STUD CONFIGURATION 12¹/₆



FRONT VIEW

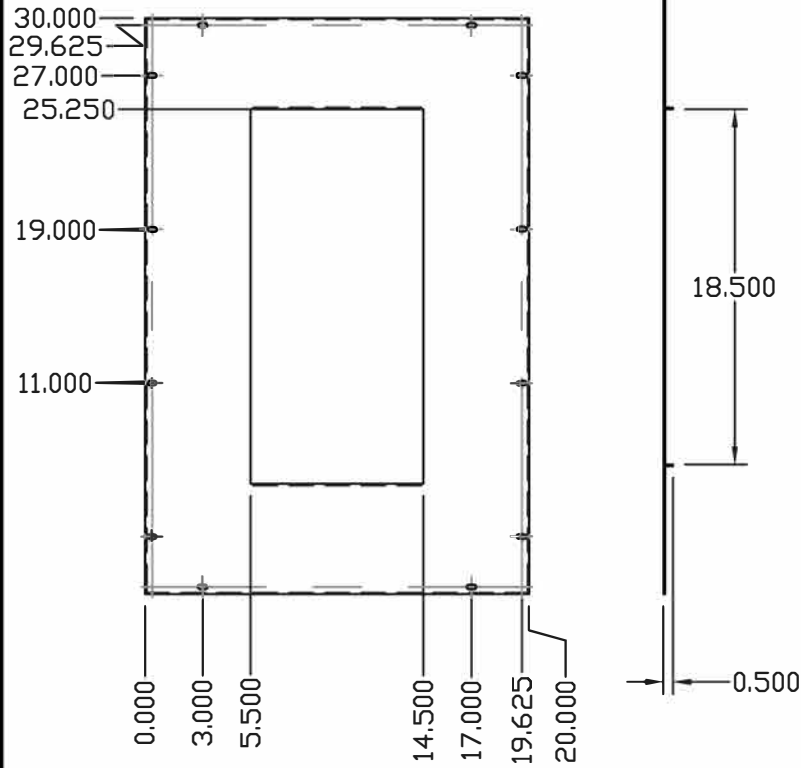


FRONT VIEW
(DOOR REMOVED)



RIGHT SIDE VIEW

SECTION A-A



INNER TRIM PANEL
DETAIL

DESIGN:	DRWN.: NS	CHK'D.: KC	04-02-02
REV	BY	APD	REVISION
C1	KC	TW	APPROVED FOR CONSTRUCTION
C2	LS	MS	ADDED INNER TRIM PANEL
C3	LS	AO	REVISED HINGES
			DATE
			11-29-02
			06-05-13
			08-22-17

CUSTOMER: CUTLER-HAMMER		QUOTE No.:	DWG. No.: M3665-0805	REV. C3
PROJECT:		SCALE: N.T.S.	SHEET: 1 OF 1	

DESCRIPTION:
NEMA 4X - 34.5 x 24.625 x 6.75 FREEDOM 2
DRAWING #3A16053H03

UNLESS OTHERWISE SPECIFIED DIMENSIONS & TOLERANCES ARE IN INCHES
 DECIMAL FRACTIONAL ANGULAR
 X ± 0.06 ± ± 1/2°
 XX ± 0.01
 XXX ± 0.0100

Project Name: MEC / URGENT
General Order No:

Item No.	Qty	Product	Description
	1	Panelboards	225A, Fully Rated, 208Y/120V 3Ph 4W, Silver Plated Copper Bus, 10kAIC, 225A, Main Lugs Only[Bottom Fed], Surface Mounted, 18 Circuits

Catalog No P1aL4C2-18

Qty	List of Materials
1	225A, Main Lugs Only
1	Panelboard PRL1A - Surface Mounted
1	100A, 2P BAB Branch Breaker
1	30A, 2P BAB Branch Breaker
2	20A, 2P BAB Branch Breaker
1	50A, 3P BAB-H Branch Breaker
3	30A, 1P BAB Branch Breaker
1	15A, 2P BAB Branch Breaker
1	20A, 1P BAB Branch Breaker
1	Copper Main Bus, 225 Amps
1	Type 4X Enclosure: N4X2430N

Item No.	Qty	Product	Description
	1	Panelboards	400A, Fully Rated, 600Y/347V 3Ph 4W, Silver Plated Copper Bus, 10kAIC, 400A, Main Lugs Only[Bottom Fed], Surface Mounted Used X-Space: 12X, Remaining X-Space: 12X, Max X-Space for Branch Devices: 18X

Catalog No P3aL4C4-18

Qty	List of Materials
1	Panelboard PRL3a - Surface Mounted
7	60A, 3P FD Branch Breaker
1	50A, 3P FD Branch Breaker
1	Copper Main Bus, 400 Amps
1	Type 4X Enclosure: N4X2460N

Eaton Selling Policy 25-000C applies.

Seller shall not be responsible for any failure to perform, or delay in performance of, its obligations resulting from the COVID-19 pandemic or any future epidemic, and Buyer shall not be entitled to any damages resulting thereof.

General Information

(Section 1 of 1)

Service Voltage: 208Y/120V 3Ph 4W
Bus Rating & Type: 225A Silver Plated Copper
Ground Bar: Std. Bolted Aluminum, Al or Cu cable
S.C. Rating: 10k A.I.C. Fully Rated
Enclosure: Type 4X
Neutral Rating: 225A

Main Device Type: Main Lugs Only - Bottom Cable Entry
Main Terminals: Mechanical - (1) #6-300 kcmil (Cu/Al)
Neutral Terminals: Mechanical - (1) #6-300 kcmil (Cu/Al)
Box Catalog No.: N4X2430N
Trim: Complete Enclosure (Included)

Surface Mounted

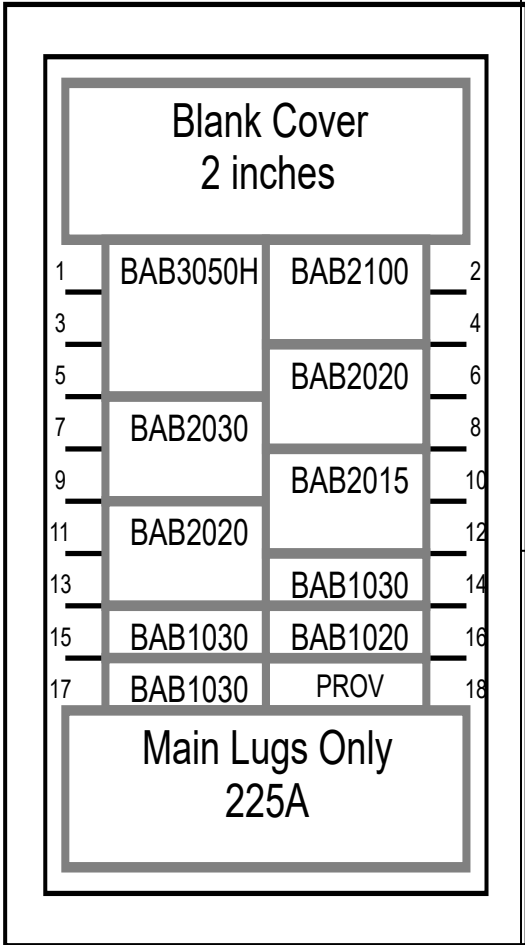
Box Dimensions: 30.00" [762.0mm]H x 24.00" [609.6mm]W x 7" [177.8mm]D
Min. Gutter Size: Top = 5.5" [139.7mm] Bottom = 5.5" [139.7mm]
 Left = 8.0" [203.2mm] Right = 8.0" [203.2mm]

Panel ID Nameplate:
Type:

CSA

*****Non-Interchangeable Main Device*****

Trim Lock: Padlockable Hasp
 Circuit Directory: Plastic Sleeve with Card
 Entry Plate: No Plate
 Box Finish: Stainless Steel
 Heat Loss - Watts (Est.) =
 Weight - lbs (Est.) = 44
 Wire shall be based on the ampacity of 75°C rated conductors unless otherwise indicated.



Device Modifications:
Ref # Description

Branch Devices

Qty	Poles	Trip	Frame	Amps	kAIC
1	2	100	BAB	100	10
1	2	30	BAB	100	10
2	2	20	BAB	100	10
1	3	50	BAB-H	100	10
3	1	30	BAB	100	10
1	2	15	BAB	100	10
1	1	20	BAB	100	10
1	1		PROV		

Notes:

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PREPARED BY YASIN ALHOMSI	DATE 9/10/2020	Eaton	
APPROVED BY	DATE	JOB NAME MEC / URGENT	DESIGNATION
VERSION 1.0.0.35	TYPE PRL1a	DRAWING TYPE Customer Approval	
REVISION 0	DWG SIZE A	G.O.	ITEM
			SHEET 1 of 1

General Information

(Section 1 of 1)

Service Voltage: 600Y/347V 3Ph 4W
Bus Rating & Type: 400A Silver Plated Copper
Ground Bar: Std. Bolted Aluminum, Al or Cu cable
S.C. Rating: 10k A.I.C. Fully Rated

Enclosure: Type 4X
Neutral Rating: 400A

Main Device Type: Main Lugs Only - Bottom Cable Entry
Main Terminals: Mechanical - (2) #4-500 kcmil (Cu/Al)
Neutral Terminals: Mechanical - (2) #4-500 kcmil (Cu/Al)
Box Catalog No.: N4X2460N
Trim: Complete Enclosure (Included)

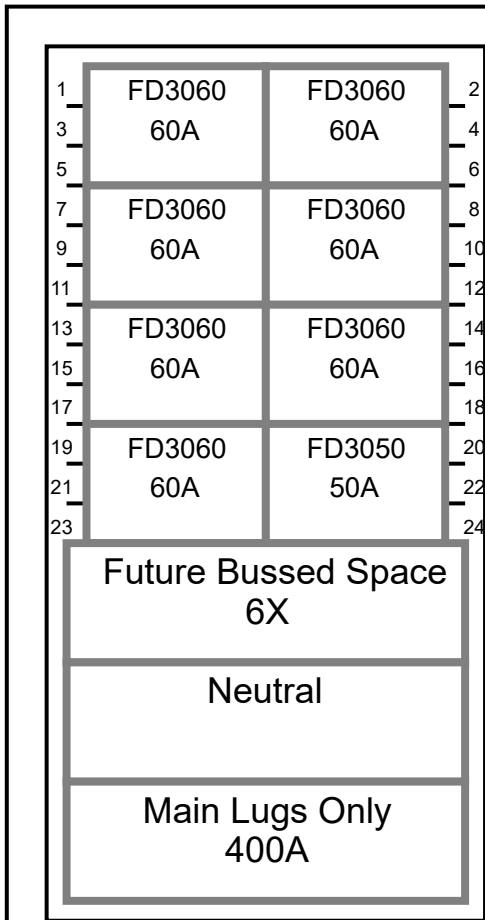
Surface Mounted

Box Dimensions: 60.00" [1524.0mm]H x 24.00" [609.6mm]W x 7" [177.8mm]D
Min. Gutter Size: Top = 5.5" [139.7mm] Bottom = 5.5" [139.7mm]
 Left = 6" [152.4mm] Right = 6" [152.4mm]

Panel ID Nameplate:
Type:

CSA

Trim Lock: Padlockable Hasp
 Circuit Directory: Plastic Sleeve with Card
 Entry Plate: No Plate
 Box Finish: Stainless Steel
 Heat Loss - Watts (Est.) = 165
 Wire shall be based on the ampacity of 75°C rated conductors unless otherwise indicated.



Device Modifications:
 Ref # Description

Branch Devices						
Qty	Poles	Trip	Frame	Amps	kAIC	
7	3	60	FD	100	10	
1	3	50	FD	100	10	

Notes:

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PREPARED BY JOHN RYAN	DATE 9/10/2020	Eaton			
APPROVED BY	DATE	JOB NAME MEC / URGENT	DESIGNATION		
VERSION 1.0.0.35	TYPE PRL3a	DRAWING TYPE Customer Approval			
REVISION 0	DWG SIZE A	G.O.	ITEM	SHEET 1 of 1	



MARCUS

Marcus Transformer LTD
 Phone: 1-800-267-7376
 Fax: 1-866-205-7526
 Email: Info@marcustransformer.com

TECHNICAL DATA MODEL:RET 45A1-SS-CUL 3-PHASE ISOLATING

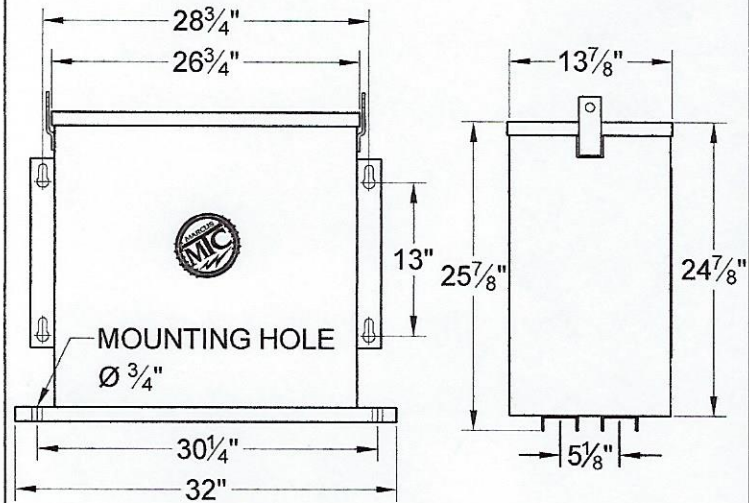
DESCRIPTION	
Type	DRY TYPE DISTRIBUTION
KVA	45
Primary (Volts)	600 (c/w-4-2.5%taps)
Secondary (Volts)	208Y / 120
Phase	3
Enclosure	NEMA 4X
Impedance (%z)	2.2
Insulation Class	220°C
Temperature Rise	115°C
Frequency	60Hz
Weight (LBS/KG)	700 / 318
Connection	Dyn1(TT-1)
BIL.	10KV

PERFORMANCE	
No load loss	178W
Total loss	720W
Noise level	45dB

EFFICIENCY			
		100%	98.21

Primary connectors per phase :	#14-4
Secondary connectors per phase:	#6-250MCM

PHYSICAL DIMENSIONS



FEATURES:

- Resin epoxy encapsulated
- CSA Certified for hazardous areas class I, Div.2 groups A-D locations with A T3,T4 temperature classification
- Anti-vibration pads installed between the core/coil and the enclosure
- Ground lug provided
- Leads brought-up and solidly positioned into separate terminal boards
- CSA enclosure: Stainless Steel NEMA 4X
- Copper windings
- Copper ground strap between core/coil and enclosure
- CSA certified / cUL listed

FRONT VIEW

SIDE VIEW

MOUNTING: WALL / FLOOR

Customer / PO	
Project	
Engineer	
Contractor	
Revision Date	

COMMENTS
4-2,5 primary taps 2-FCAN, 2-FCBN