

FRAME F1
IP21/IP54/UL AND NEMA1/NEMA12
APPROXIMATE WEIGHT: 1043KG [2300LB]

VLT COOLING:
THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/ NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

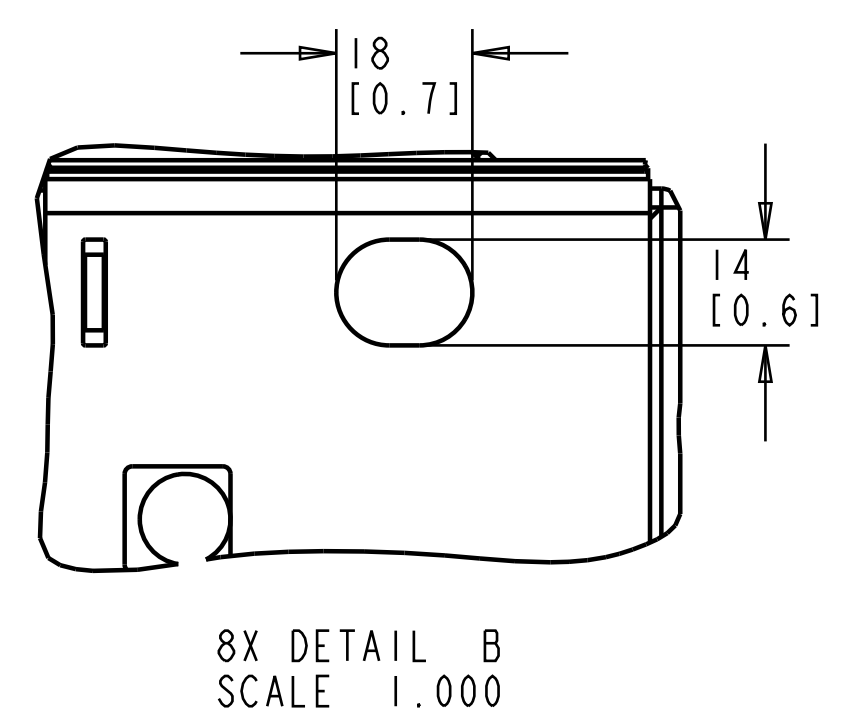
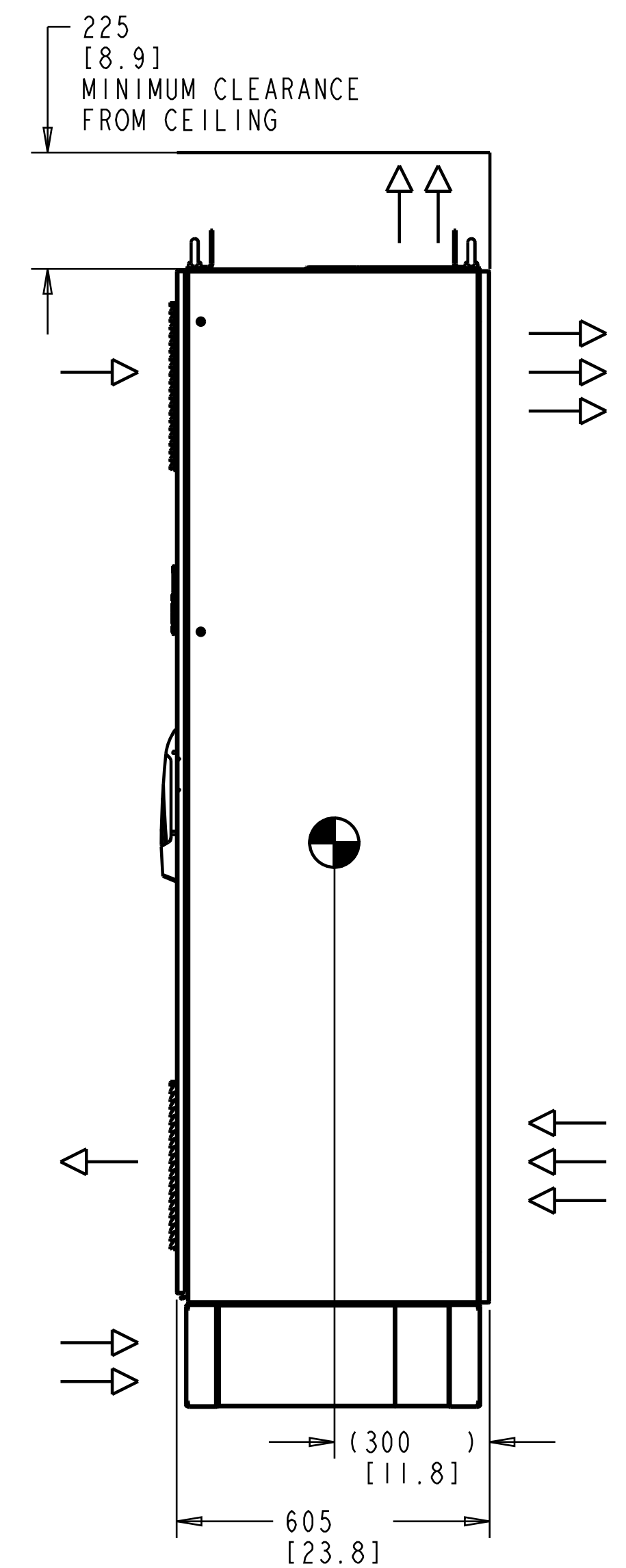
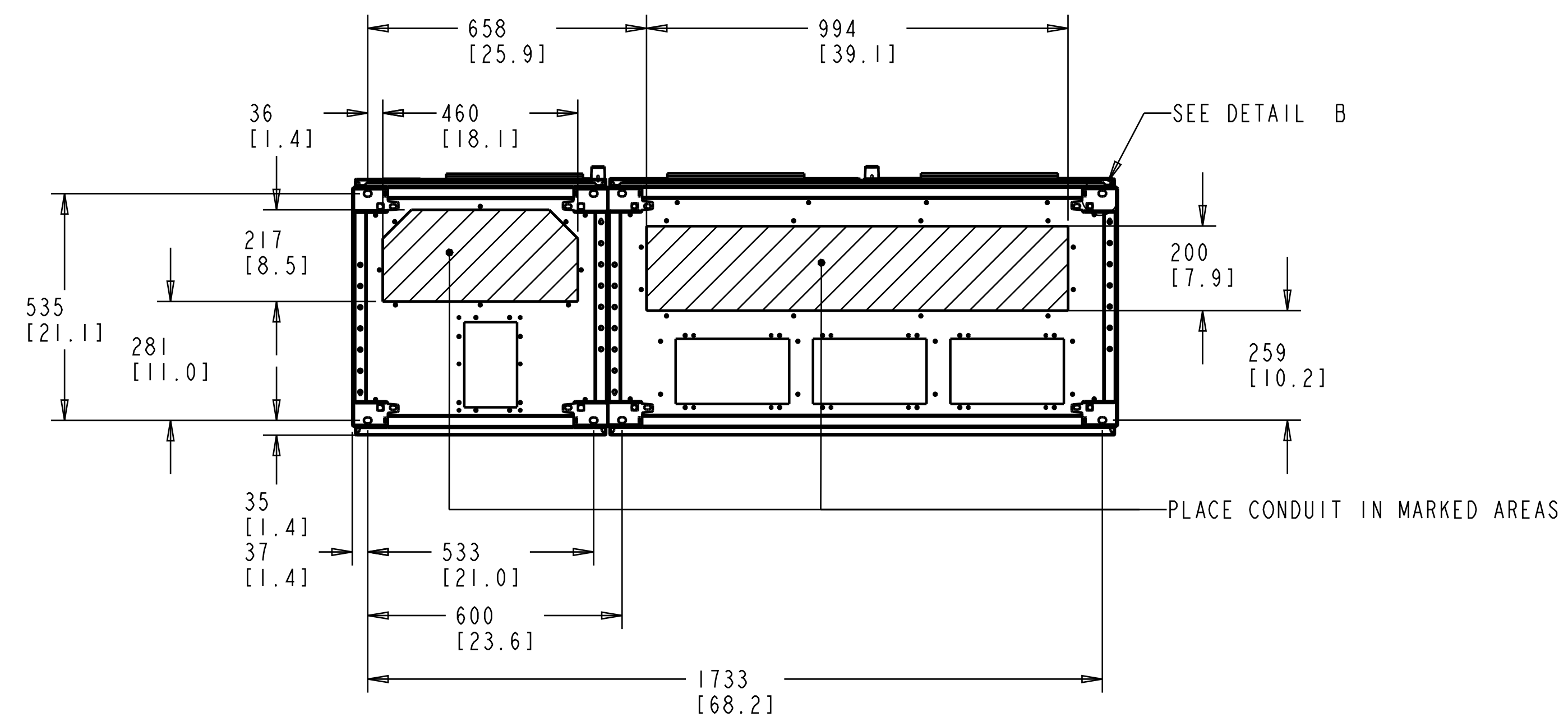
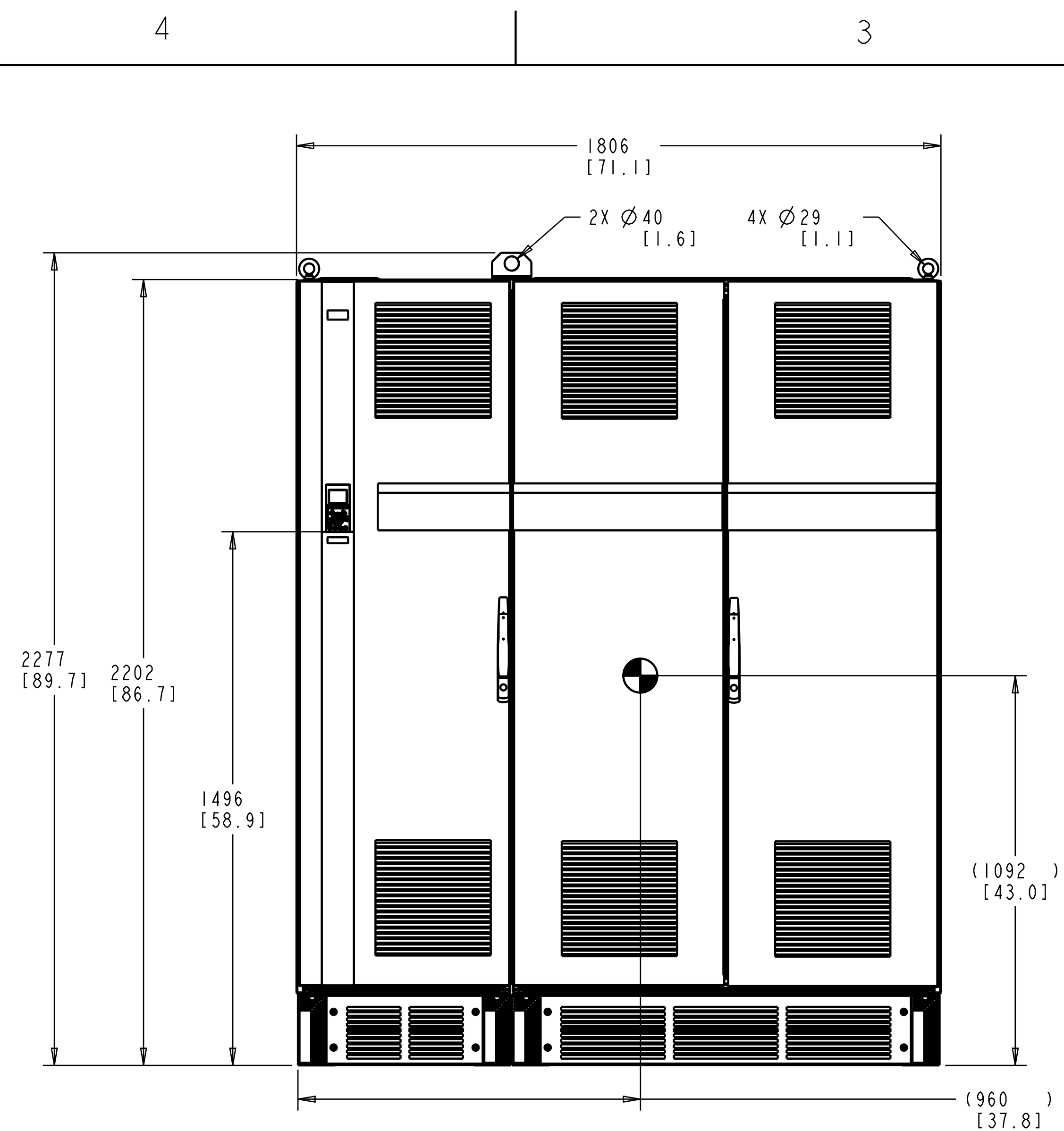
BACK CHANNEL COOLING:
STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

Ⓧ OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:
REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXISES.

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	DESIGNED BY/DATE: JM 06/01/07	MFG. APPROVAL BY/DATE:	TITLE: DWG, REF, MTG INSTRUCTION, F1-F4	
LATEST E.C.N. NO.: HP10024	E.C.N. PRO-E ENTRY BY/DATE: ML 03/24/10	PLOT SCALE: NONE	PRO-E FILE: 177R0029	SHEET: OF: 1 6
				DRAWING NO.: 177R0029
				REV.: D



FRAME F2
 IP21/IP54/UL AND NEMA1/NEMA12
 APPROXIMATE WEIGHT: 1293KG [2850LB]

VLT COOLING:
 THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

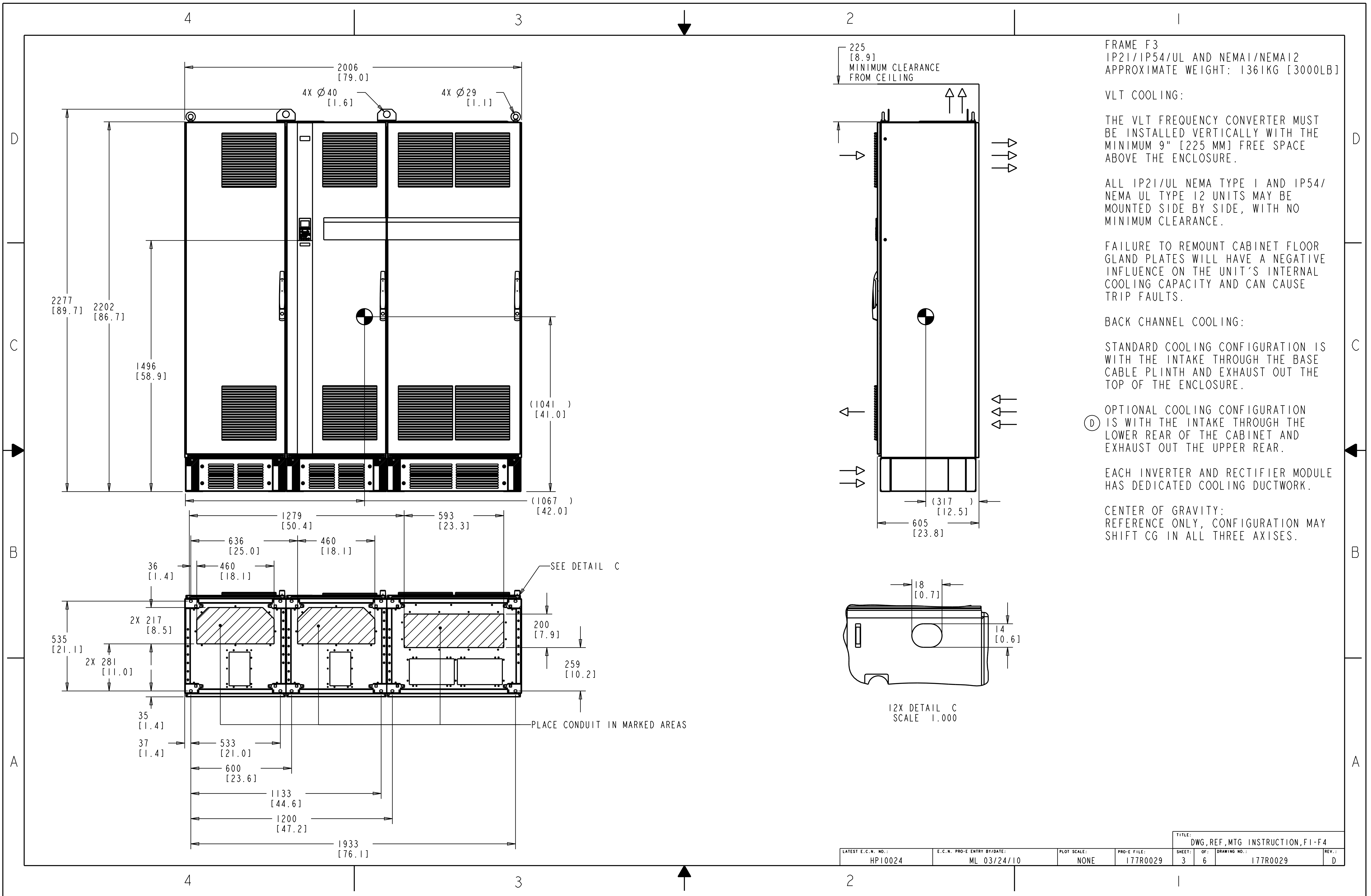
BACK CHANNEL COOLING:
 STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:
 REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXISES.

TITLE: DWG, REF, MTG INSTRUCTION, FI-F4									
LATEST E.C.N. NO.:	E.C.N. PRO-E ENTRY BY/DATE:	PLOT SCALE:	PRO-E FILE:	SHEET:	OF:	DRAWING NO.:	REV.:		
HP10024	ML 03/24/10	NONE	177R0029	2	6	177R0029	D		



FRAME F3
 IP21/IP54/UL AND NEMA1/NEMA12
 APPROXIMATE WEIGHT: 1361KG [3000LB]

VLT COOLING:
 THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/ NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

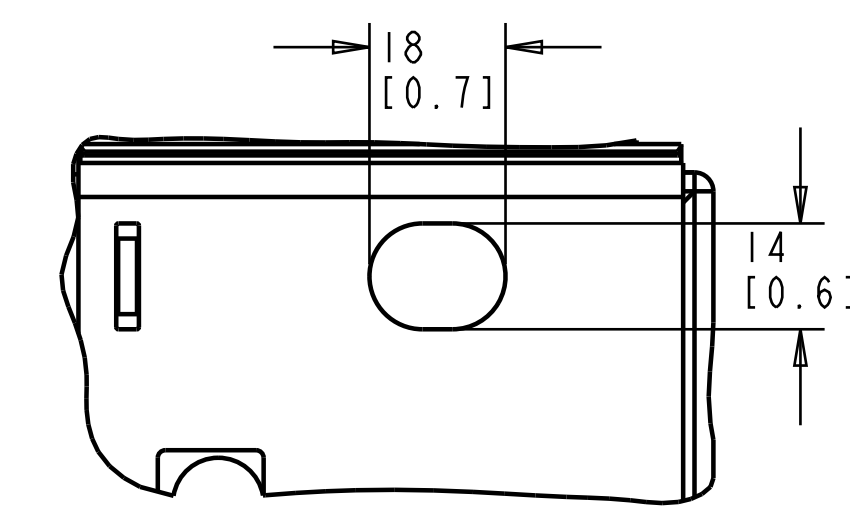
FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

BACK CHANNEL COOLING:
 STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

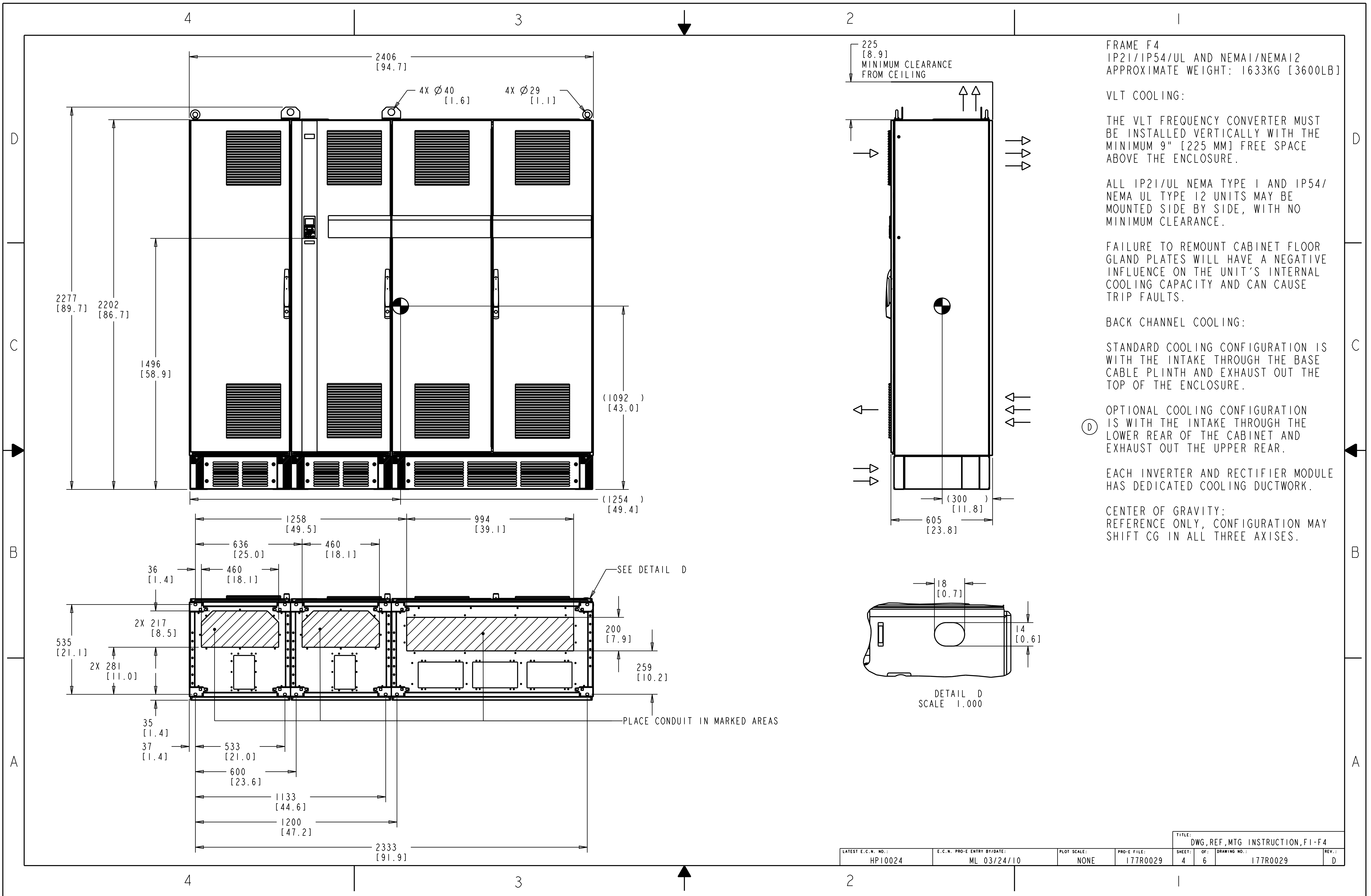
Ⓧ OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY:
 REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXISES.



TITLE: DWG, REF, MTG INSTRUCTION, F1-F4									
LATEST E.C.N. NO.:	E.C.N. PRO-E ENTRY BY/DATE:	PLOT SCALE:	PRO-E FILE:	SHEET:	OF:	DRAWING NO.:	REV.:		
HP10024	ML 03/24/10	NONE	177R0029	3	6	177R0029	D		



FRAME F4
 IP21/IP54/UL AND NEMA1/NEMA12
 APPROXIMATE WEIGHT: 1633KG [3600LB]

VLT COOLING:

THE VLT FREQUENCY CONVERTER MUST BE INSTALLED VERTICALLY WITH THE MINIMUM 9" [225 MM] FREE SPACE ABOVE THE ENCLOSURE.

ALL IP21/UL NEMA TYPE 1 AND IP54/ NEMA UL TYPE 12 UNITS MAY BE MOUNTED SIDE BY SIDE, WITH NO MINIMUM CLEARANCE.

FAILURE TO REMOUNT CABINET FLOOR GLAND PLATES WILL HAVE A NEGATIVE INFLUENCE ON THE UNIT'S INTERNAL COOLING CAPACITY AND CAN CAUSE TRIP FAULTS.

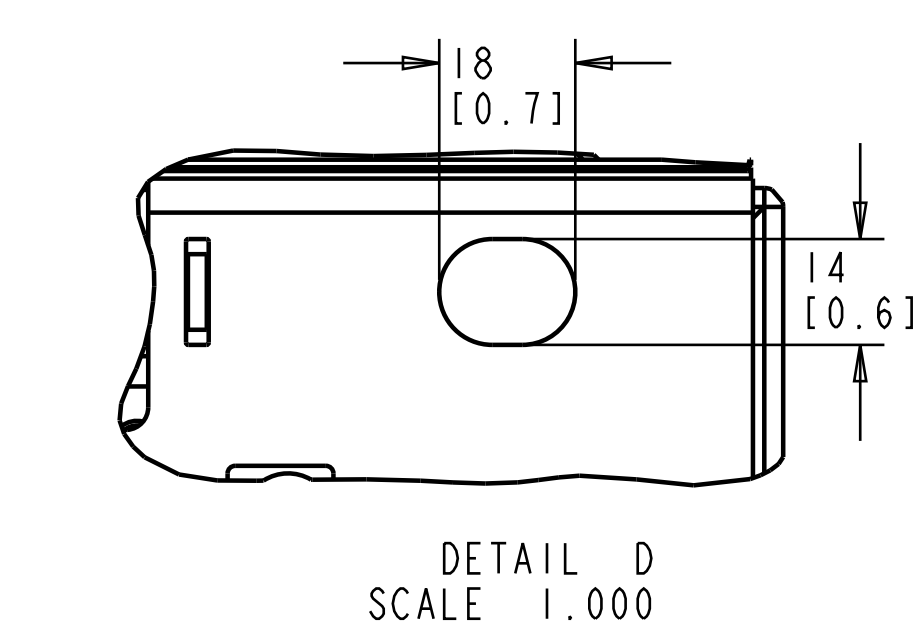
BACK CHANNEL COOLING:

STANDARD COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE BASE CABLE PLINTH AND EXHAUST OUT THE TOP OF THE ENCLOSURE.

OPTIONAL COOLING CONFIGURATION IS WITH THE INTAKE THROUGH THE LOWER REAR OF THE CABINET AND EXHAUST OUT THE UPPER REAR.

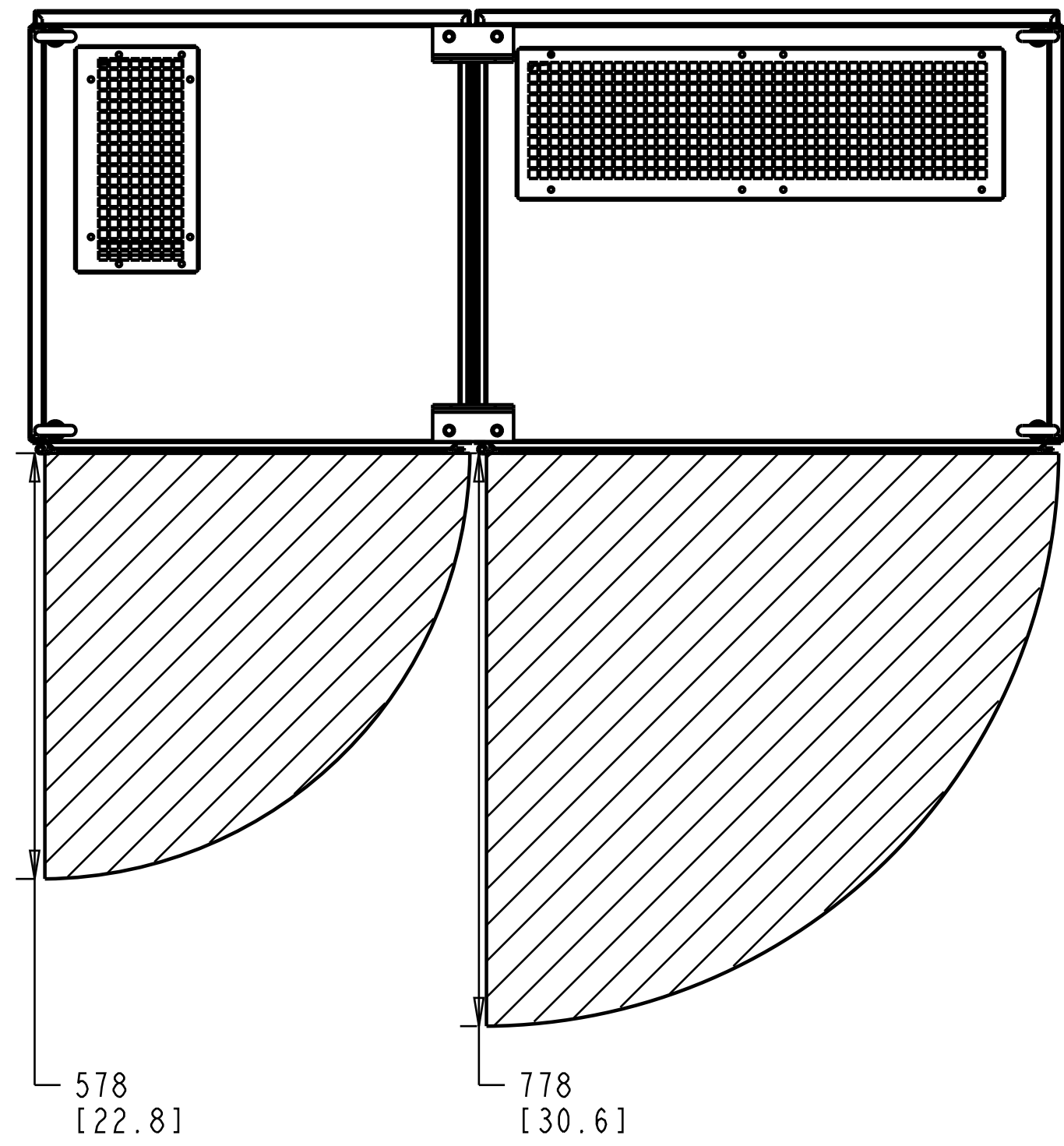
EACH INVERTER AND RECTIFIER MODULE HAS DEDICATED COOLING DUCTWORK.

CENTER OF GRAVITY: REFERENCE ONLY, CONFIGURATION MAY SHIFT CG IN ALL THREE AXES.

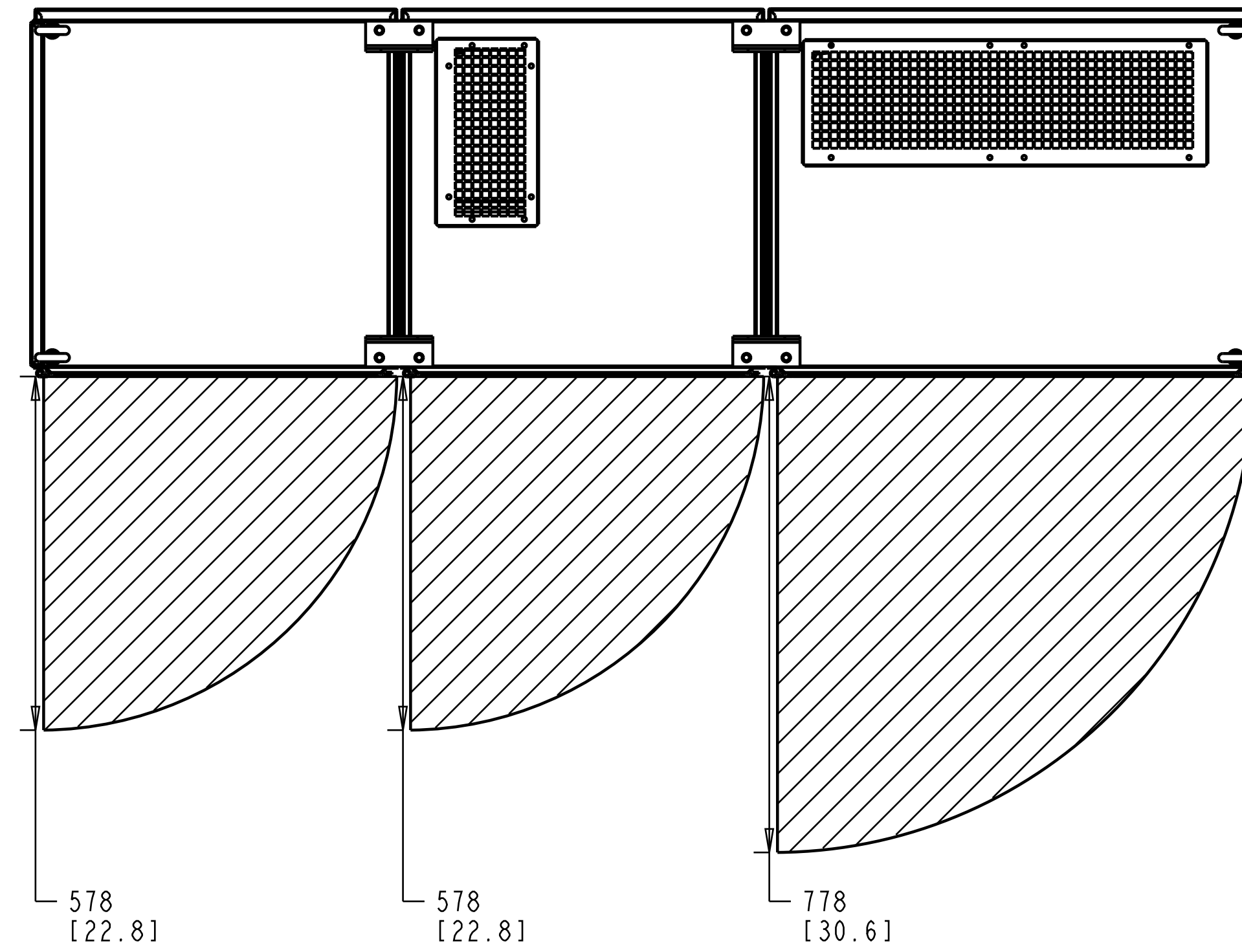


TITLE:		DWG, REF, MTG INSTRUCTION, FI-F4					
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FRAME F1
IP21/IP54/UL AND NEMA1/NEMA12



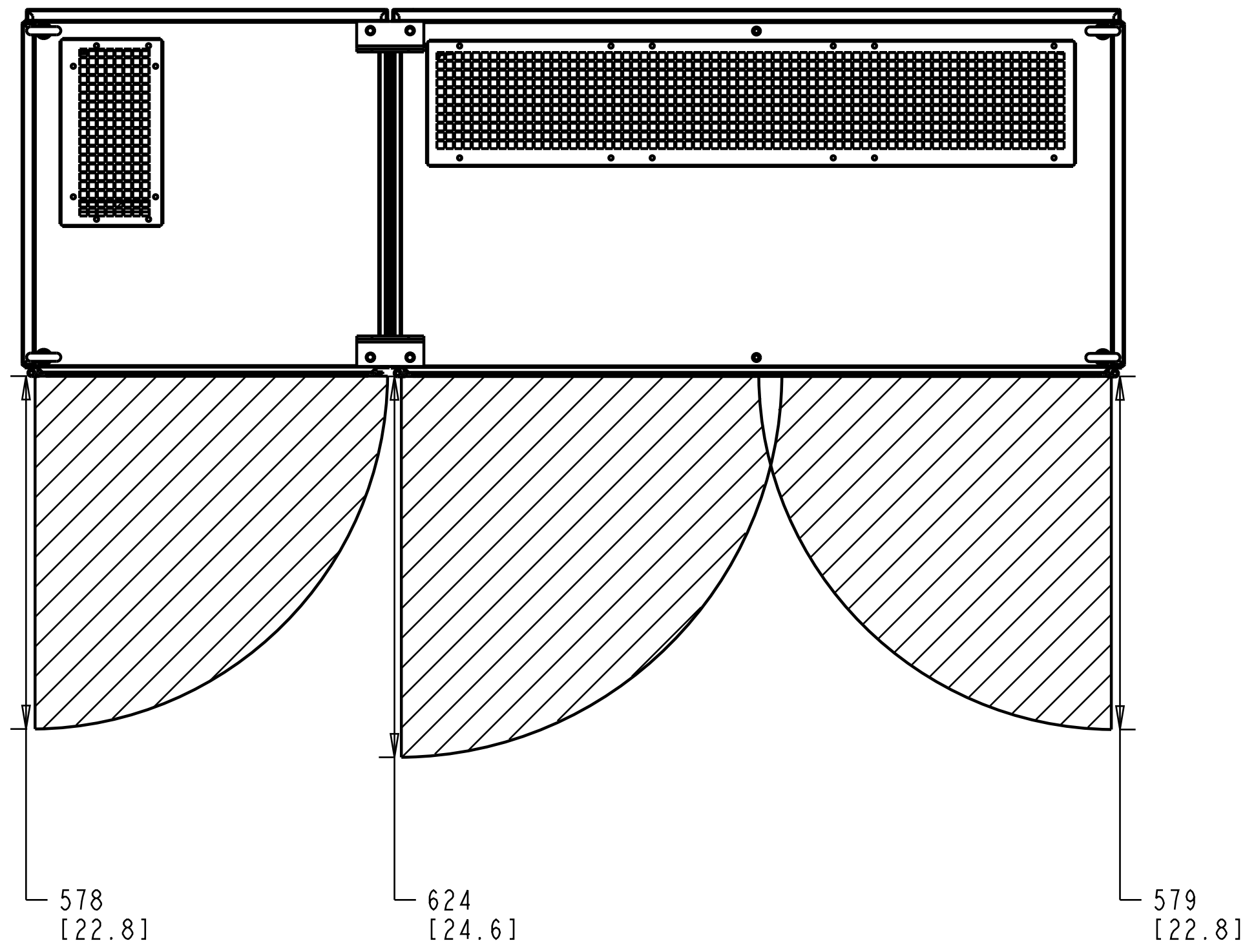
FRAME F3
IP21/IP54/UL AND NEMA1/NEMA12



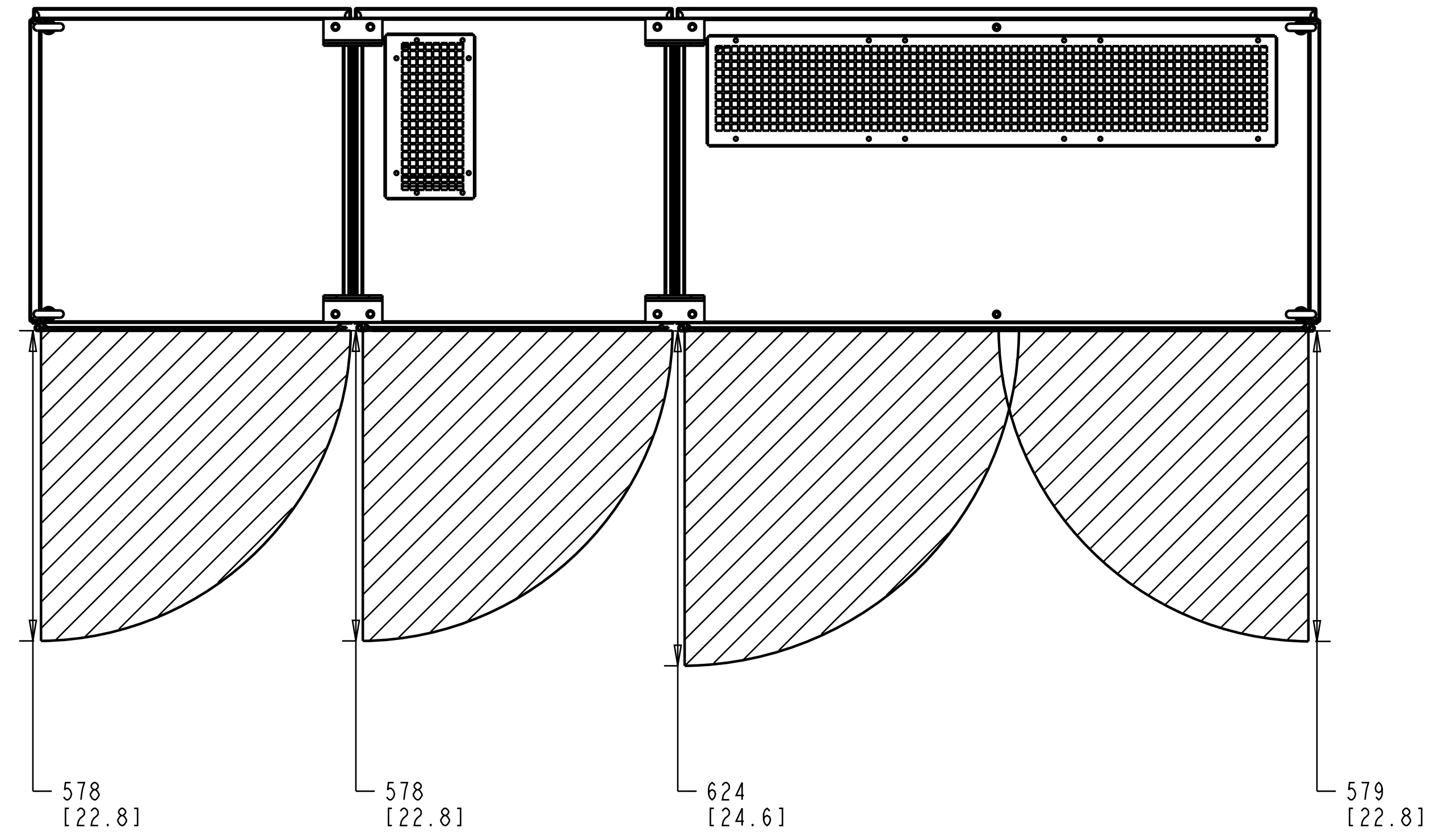
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HP10024		ML 03/24/10		NONE		177R0029		5		6		177R0029		D	

TITLE: DWG, REF, MTG INSTRUCTION, F1-F4

FRAME F2
IP21/IP54/UL AND NEMA1/NEMA12



FRAME F4
IP21/IP54/UL AND NEMA1/NEMA12



LATEST E.C.N. NO.:		E.C.N. PRO-E ENTRY BY/DATE:		PLOT SCALE:		PRO-E FILE:		SHEET:		OF:		DRAWING NO.:		REV.:	
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TITLE: DWG, REF, MTG INSTRUCTION, F1-F4