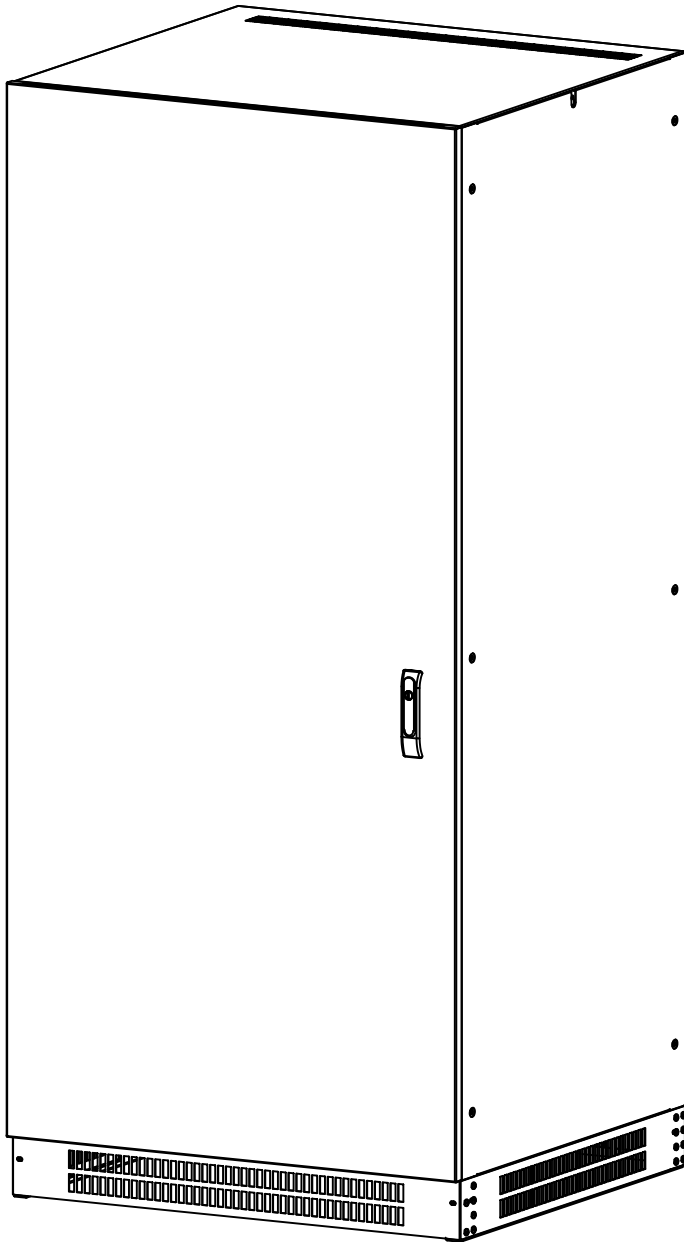


CART ISO_A3

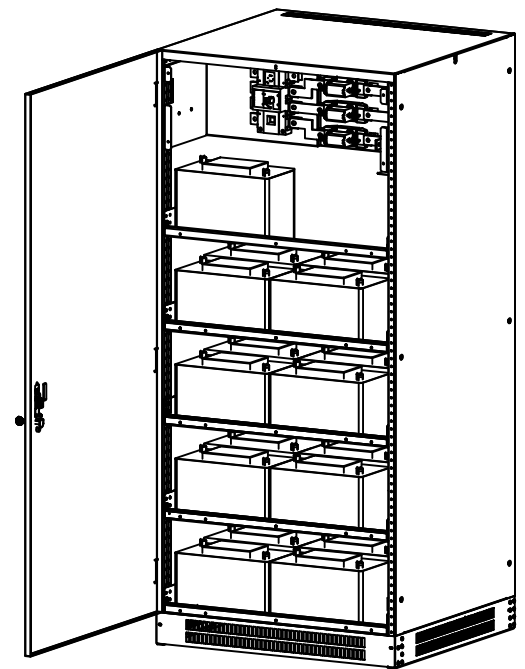
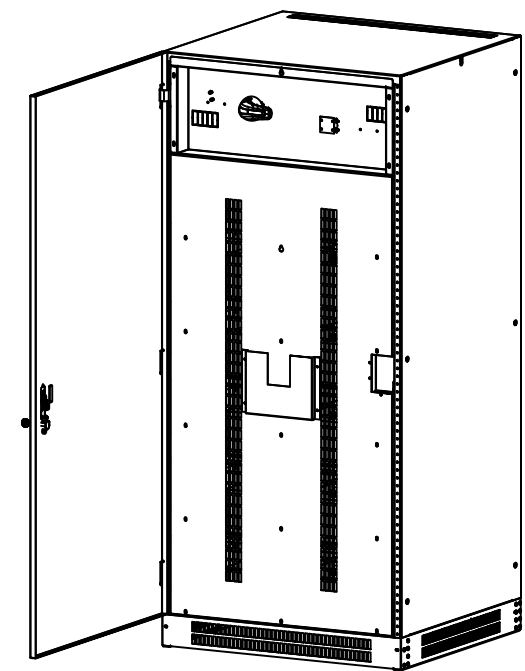
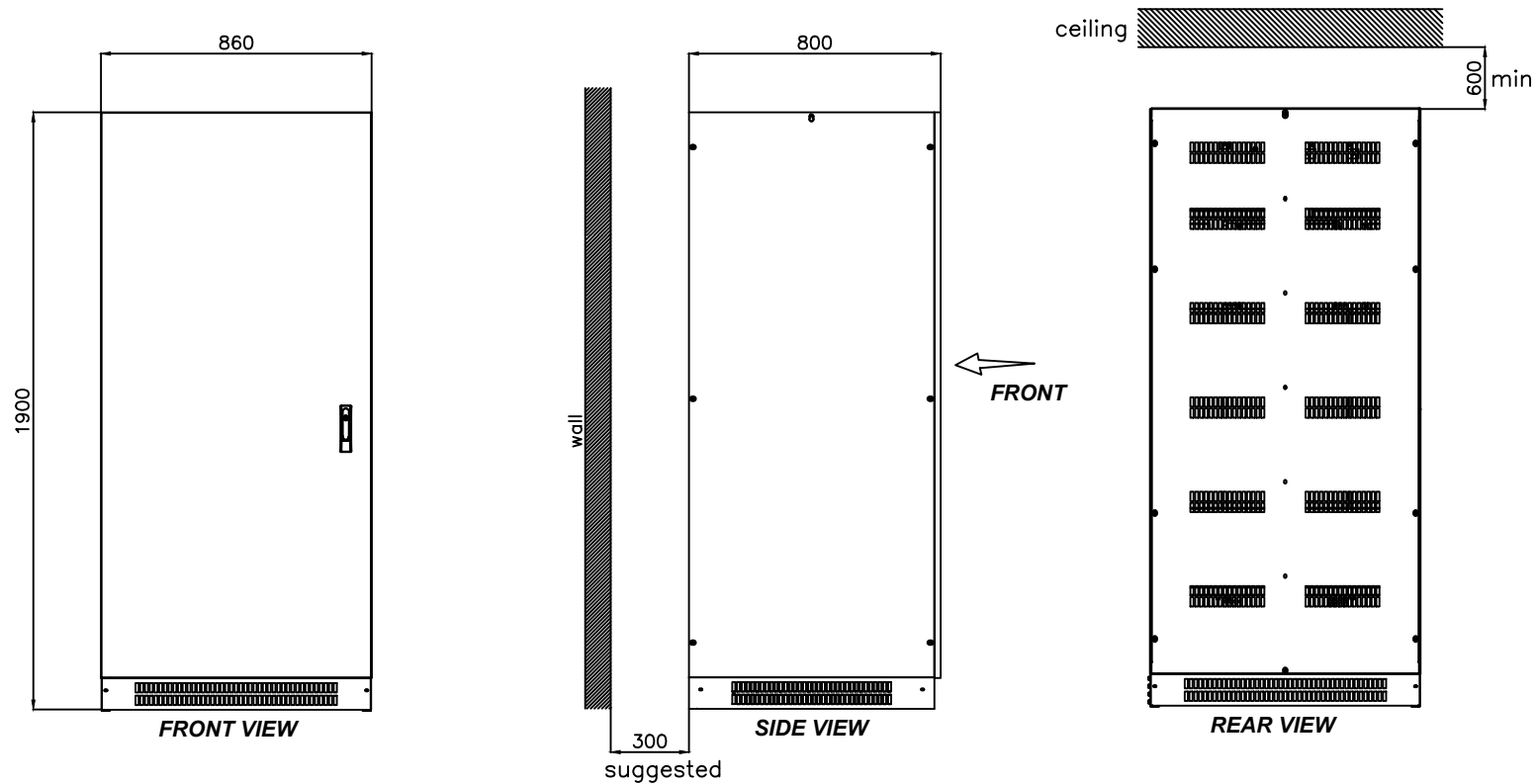
INDEX	
Pag.	Description
00	INDEX
01	MAN BTC 1900 396V xx xx 3T DRW EN INSTALLATION DRAWING
02	MAN BTC 1900 396V xx xx 3T DRW EN DETAILS
03	MAN BTC 1900 480V xx xx 3T DRW EN INSTALLATION DRAWING
04	MAN BTC 1900 480V xx xx 3T DRW EN DETAILS



BTC 1900 396V AB L9 3T
BTC 1900 396V BB L6 3T
BTC 1900 396V BB L7 3T
BTC 1900 396V BB L8 3T
BTC 1900 396V BB L9 3T

BTC 1900 480V AB V9 3T
BTC 1900 480V BB V6 3T
BTC 1900 480V BB V7 3T
BTC 1900 480V BB V8 3T
BTC 1900 480V BB V9 3T

	EDIT.	M.Mutti	APPR.	S.Pagnoncelli	DATA:	02/05/23	DRAW. No	REV.
	VARIATION:				OMN190396NPENIF			00
	REPLACE: OMN190396NPENIE_00				PAG. 00 CONT. 01			
NOTE: In order to make improvements, the manufacturer reserves the right to modify the product described at any moment and without notice					TITLE: MAN BTC 1900 396–480V DRW EN INDEX			



BATTERY CABINET BTC 1900 396V xx xx 3T					
BATTERY TYPE	(Ah)	65	80	100	112
FUSE PROTECTION gS NH1 (F1-F2-F3)		SEE TABLE			
NET DIMENSIONS (W x D x H)	(mm)	860 x 800 x 1900			
SHIPPING DIMENSIONS (W x D x H)	(mm)	900 x 900 x 2100			
NET WEIGHT CABINET WITH BATTERY	(Kg)	895	1070	1220	1325
SHIPPING WEIGHT CABINET WITH BATTERY	(Kg)	925	1100	1250	1355
NET WEIGHT CABINET EMPTY	(Kg)	230			
SHIPPING WEIGHT CABINET EMPTY	(Kg)	260			
+ / - DIM.CABLE ADVISED(*)	(mm ²)	2 x 25		2 x 50	
N DIM.CABLE ADVISED(*)	(mm ²)	2 x 25		2 x 50	
GROUND DIM. CABLE ADVISED	(mm ²)	25		50	
TORQUE VALUE BATTERY TERMINAL		5 - 7 Nm			
TORQUE VALUE SWITCH TERMINAL		30 - 35 Nm			

(*)=For each pole

ATTENTION			
According with UPS power rating and battery capacity select the fuse size as shown on the table below:			
UPS POWER RATING	PROTECTION FUSE FOR BATTERY 60-70Ah	PROTECTION FUSE FOR BATTERY 80-90Ah	PROTECTION FUSE FOR BATTERY 100-120Ah
100kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
120kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
160kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
200kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
Note: Empty battery cabinets are supplied with 160A fuse; if necessary please select the 200/250A fuse according with the battery type installed. Refer to price list for fuse kit code.			

WARNING
THE BATTERY CABINET COMPLETE WITH BATTERIES CAN ONLY BE HANDLED WITH THE SITE, FRONT AND REAR PANELS BOLTED IN PLACE

WARNING! Close battery switch only when UPS is working. See UPS User Manual.

WARNUNG! Batteriesicherung nur schließen, wenn die USV- Anlage in Betrieb ist. Siehe USV Betriebsanleitung.

ATTENTION! Serrer le sectionneur de batterie seulement avec l'onduleur en marche. Consulter le manuel de l'onduleur.

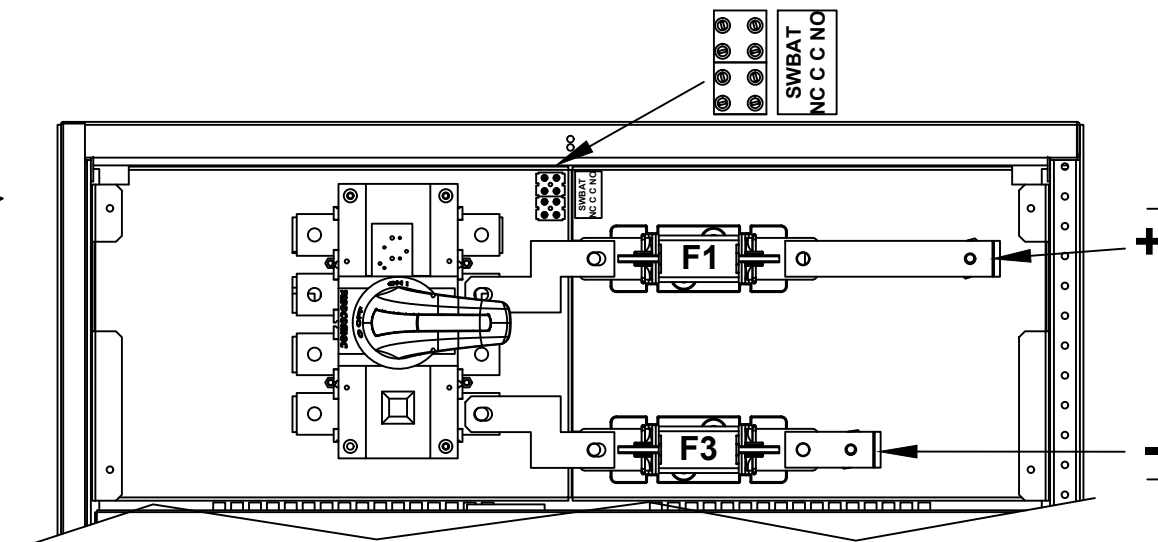
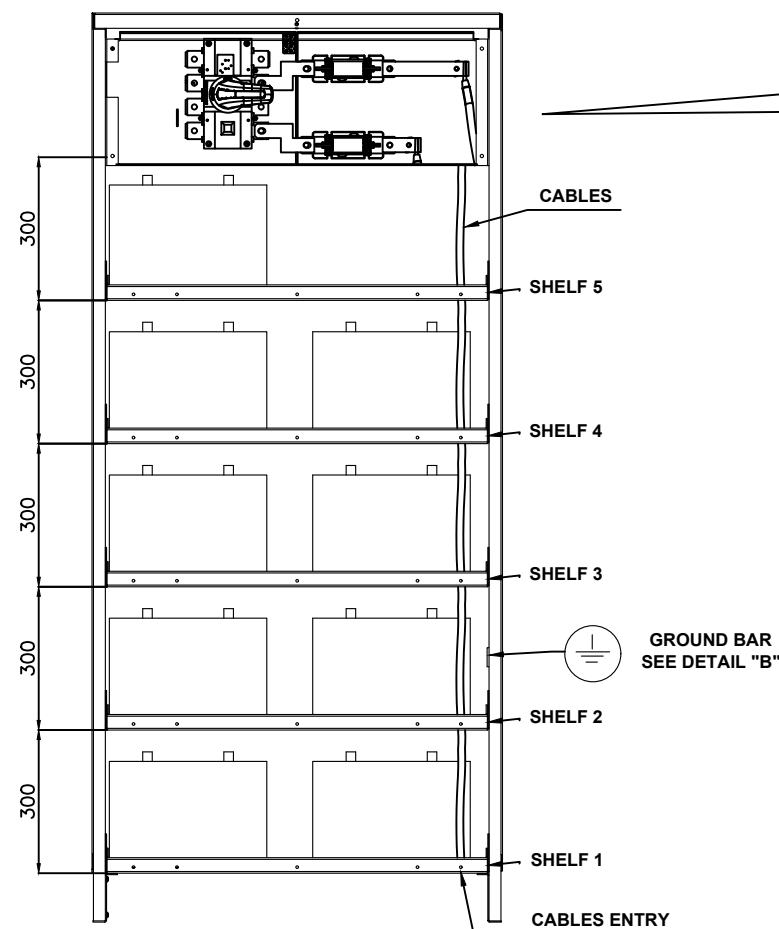
ATENCIÓN! Cerrar el seccionador de baterías sólo con SAI en marcha. Consultar el manual del SAI.

ATTENZIONE! Chiudere il sezionatore di batteria solo con UPS acceso. Consultare il manuale dell' UPS.

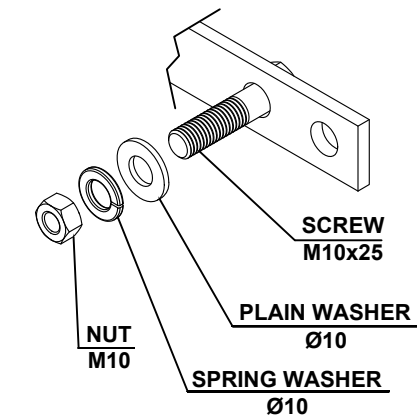
CABLE

WE SUGGEST YOU USE THE TYPE FG16R16 (previously named FG7R) INSTALLED IN OPEN AIR WITH TEMPERTURE 30°C AND DISTANCE < 15 METERS.
CONTACT THE SERVICE FOR GREATER DISTANCES
- READ THE USER MANUAL BEFORE CONNECTING TO THE SUPPLY

	EDIT.	M.Mutti	APPR.	S.Pagnoncelli	DATA:	02/05/23	DRAW. No	REV.
	VARIATION:				OMN190396NPENIF			00
	REPLACE: OMN190396NPENIE_00				PAG. 01 CONT. 02			
NOTE: In order to make improvements, the manufacturer reserves the right to modify the product described at any moment and without notice					TITLE: MAN BTC 1900 396V DRW EN INSTALLATION DRAWING			

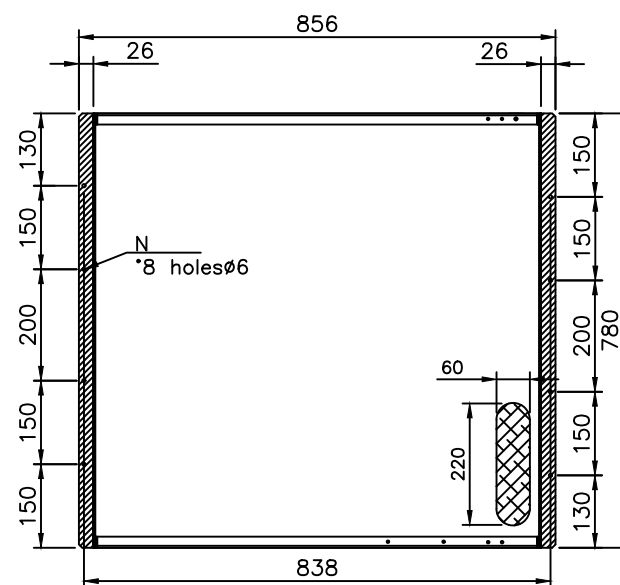


+ and - BUS BAR
SEE DETAIL "A"



DETAIL "A"
FIXING CABLE ON + AND -
BUS BAR

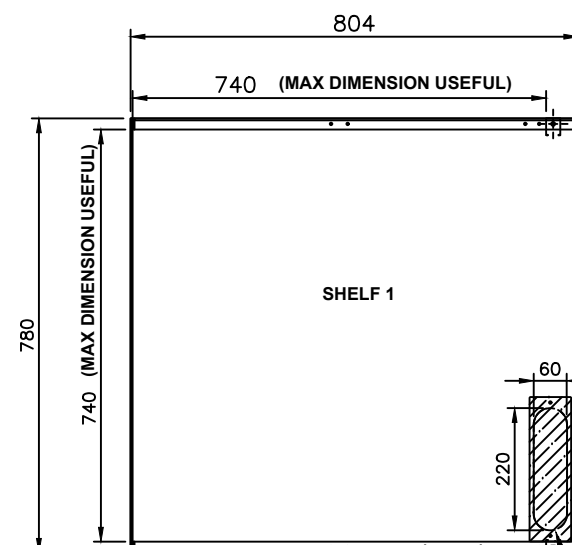
BOTTOM VIEW



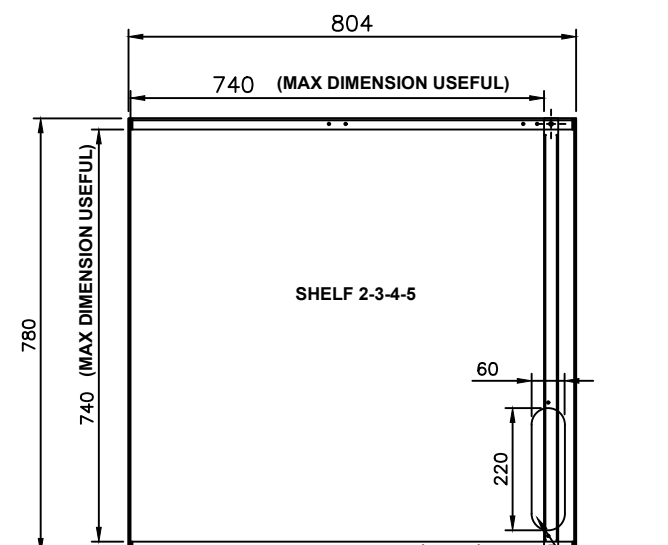
FRONT

= INPUT CABLES

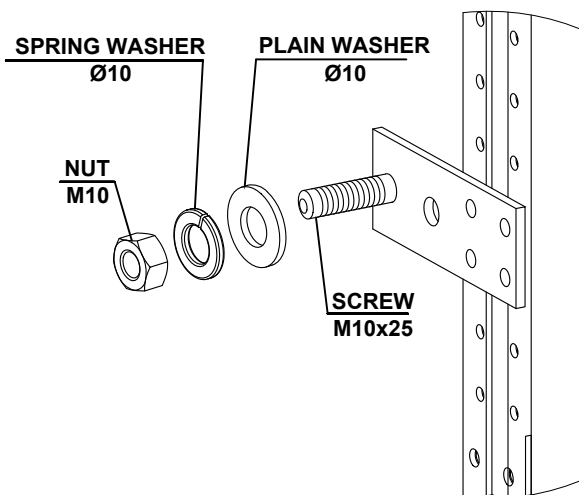
= BEARING SURFACE
OF THE CABINET



FRONT



FRONT



DETAIL "B"
FIXING CABLE ON GROUND
BUS BAR

	EDIT.	M.Mutti	APPR.	S.Pagnoncelli	DATA:	02/05/23	DRAW. No		REV.
	VARIATION:				OMN190396NPENIF				00
	REPLACE:				OMN190396NPENIE_00				PAG. 02 CONT. 03
NOTE: In order to make improvements, the manufacturer reserves the right to modify the product described at any moment and without notice					TITLE: MAN BTC 1900 396V DRW EN DETAILS				

A

B

C

D

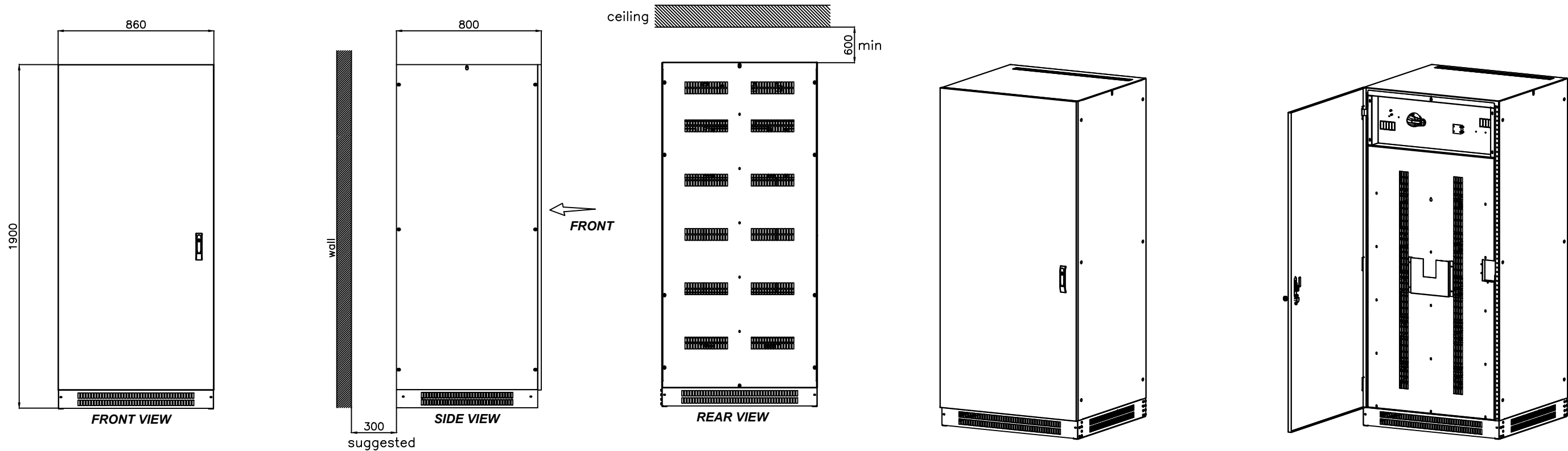
E

F

G

H

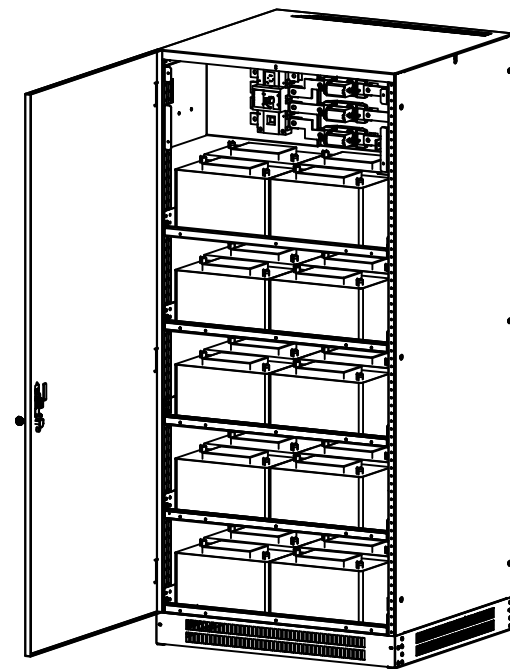
L



BATTERY CABINET BTC 1900 480V xx xx 3T					
BATTERY TYPE	(Ah)	65	80	100	112
FUSE PROTECTION gS NH1 (F1-F2-F3)		SEE TABLE			
NET DIMENSIONS (W x D x H)	(mm)	860 x 800 x 1900			
SHIPPING DIMENSIONS (W x D x H)	(mm)	900 x 900 x 2100			
NET WEIGHT CABINET WITH BATTERY	(Kg)	1045	1255	1425	1570
SHIPPING WEIGHT CABINET WITH BATTERY	(Kg)	1075	1285	1455	1600
NET WEIGHT CABINET EMPTY	(Kg)	230			
SHIPPING WEIGHT CABINET EMPTY	(Kg)	260			
+ / - DIM.CABLE ADVISED(*)	(mm ²)	2 x 25		2 x 50	
N DIM.CABLE ADVISED(*)	(mm ²)	2 x 25		2 x 50	
GROUND DIM. CABLE ADVISED	(mm ²)	25		50	
TORQUE VALUE BATTERY TERMINAL		5 - 7 Nm			
TORQUE VALUE SWITCH TERMINAL		30 - 35 Nm			

(*)=For each pole

ATTENTION			
According with UPS power rating and battery capacity select the fuse size as shown on the table below:			
UPS POWER RATING	PROTECTION FUSE FOR BATTERY 60-70Ah	PROTECTION FUSE FOR BATTERY 80-90Ah	PROTECTION FUSE FOR BATTERY 100-120Ah
10kVA	NOT COMPATIBLE	NOT COMPATIBLE	NOT COMPATIBLE
15kVA	gS 125A 690V	gS 125A 690V	gS125A 690V
20kVA	gS 125A 690V	gS 125A 690V	gS125A 690V
30kVA	gS 125A 690V	gS 125A 690V	gS125A 690V
40kVA	gS 125A 690V	gS 125A 690V	gS125A 690V
60kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
80kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
100kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
120kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
160kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
200kVA	gS 160A 690V	gS 200A 690V	gS 250A 690V
Note: Empty battery cabinets are supplied with 125A fuse; if necessary please select the 160/200/250A fuse according with the battery type installed. Refer to price list for fuse kit code.			



WARNING
THE BATTERY CABINET COMPLETE WITH BATTERIES CAN ONLY BE HANDLED WITH THE SITE, FRONT AND REAR PANELS BOLTED IN PLACE

WARNING! Close battery switch only when UPS is working. See UPS User Manual.

WARNUNG! Batteriesicherung nur schließen, wenn die USV- Anlage in Betrieb ist. Siehe USV Betriebsanleitung.

ATTENTION! Serrer le sectionneur de batterie seulement avec l'onduleur en marche. Consulter le manuel de l'onduleur.

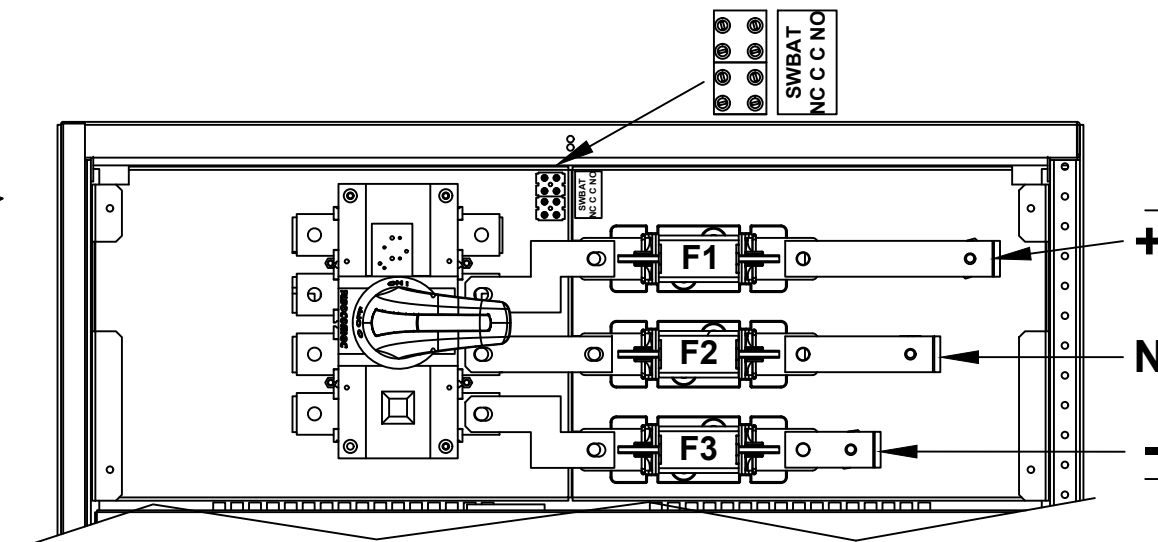
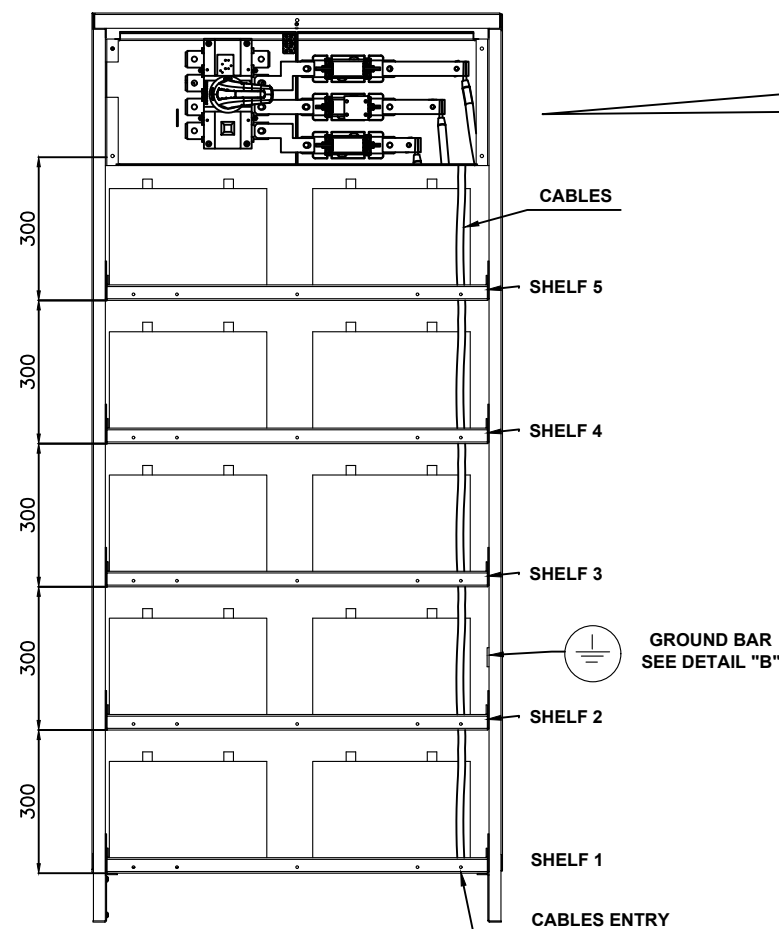
ATENCIÓN! Cerrar el seccionador de baterías sólo con SAI en marcha. Consultar el manual del SAI.

ATTENZIONE! Chiudere il sezionatore di batteria solo con UPS acceso. Consultare il manuale dell' UPS.

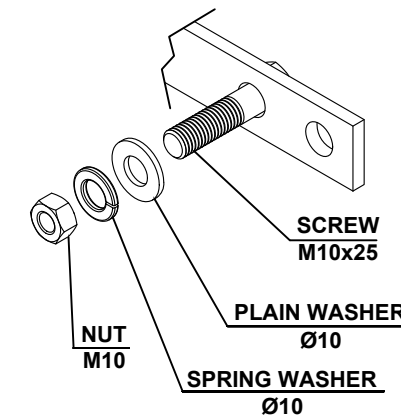
CABLE

WE SUGGEST YOU USE THE TYPE FG16R16 (previously named FG7R) INSTALLED IN OPEN AIR WITH TEMPERTURE 30°C AND DISTANCE < 15 METERS. CONTACT THE SERVICE FOR GREATER DISTANCES - READ THE USER MANUAL BEFORE CONNECTING TO THE SUPPLY

	EDIT.	M.Mutti	APPR.	S.Pagnoncelli	DATA:	02/05/23	DRAW. No	REV.
	VARIATION:				OMN190396NPENIF			00
	REPLACE: OMN190396NPENIE_00				PAG. 03 CONT. 04			
NOTE: In order to make improvements, the manufacturer reserves the right to modify the product described at any moment and without notice					TITLE: MAN BTC 1900 480V DRW EN INSTALLATION DRAWING			

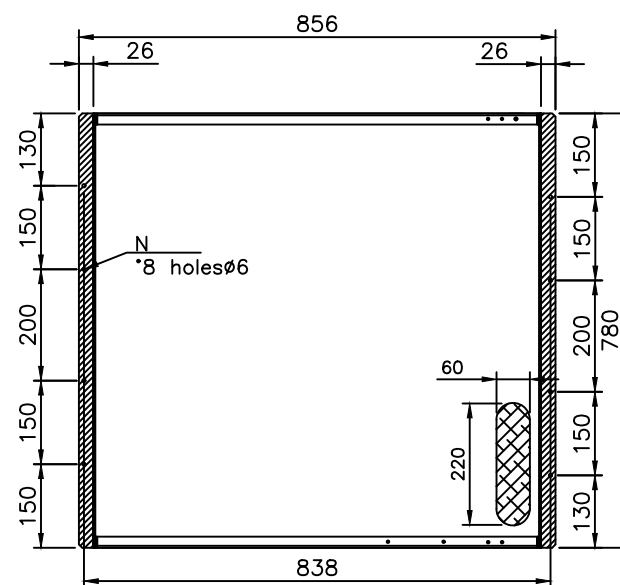


+ , - and N BUS BAR
SEE DETAIL "A"



DETAIL "A"
FIXING CABLE ON +, - AND N
BUS BAR

BOTTOM VIEW



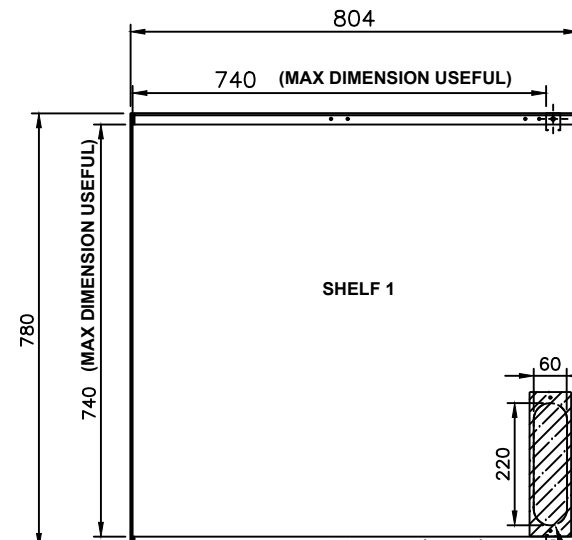
FRONT



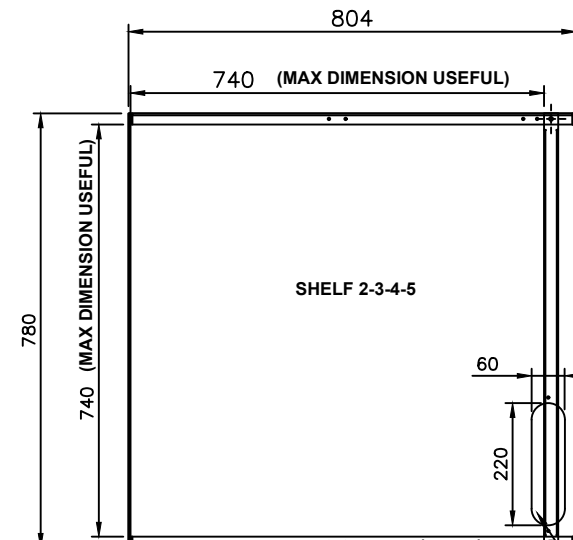
= INPUT CABLES



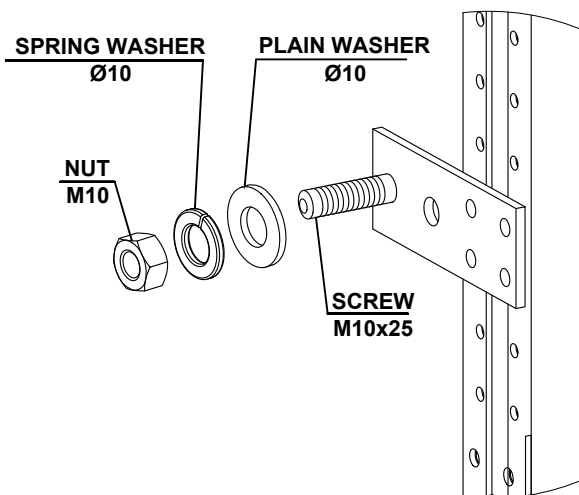
= BEARING SURFACE
OF THE CABINET



FRONT



FRONT



DETAIL "B"
FIXING CABLE ON GROUND
BUS BAR

EDIT.	M.Mutti	APPR.	S.Pagnoncelli	DATA:	02/05/23	DRAW. No	REV.
VARIATION:				OMN190396NPENIF		00	
REPLACE:	OMN190396NPENIE_00			PAG. 04		CONT. --	

NOTE: In order to make improvements, the manufacturer reserves the right to modify the product described at any moment and without notice

TITLE: MAN BTC 1900 480V DRW EN
DETAILS

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