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الشركة الوطنية للصناعات الكهربائية ش.م.م.  
NATIONAL ELECTRICAL INDUSTRIES CO. L.L.C.



(A member of "Ali Mirza" group of companies, established in 1997)

## NEI ENCLOSURES



WALL MOUNTED ENCLOSURES



FLOOR MOUNTED ENCLOSURES



FORM - 4 ENCLOSURES



EXTENDABLE ENCLOSURES

NEI products are Type tested & Certified by well known independent laboratories and the company has achieved ISO 9001-2008 Quality System Certification.

NEI Switchgear assemblies are approved by various Ministries like Ministry of Housing, Electricity & Water (MHEW), PDO, Ministry of Defense, etc., All major Consultants and End Users.

NEI Switchgear assemblies are approved by Bahrain, Qatar General Electricity & Water Corporation, Qatar Federal Electricity & Water Authority, Abu Dhabi Electricity & Water Authority(ADWEA) and Dubai Electricity & Water Authority (DEWA).

NEI Export Switchgear Components and Assemblies to U.A.E, Qatar, Bahrain, Kuwait, Kenya, Uganda, Iran, Iraq & Jordan.

NEI Range of Switchgear Enclosures are as follows:

- DB Enclosures (DBE)
- Wall Mounting Enclosures (WME)
- Floor Mounting Enclosures (FME)
- Feeder Pillar Enclosures (FPE)
- Extendable Enclosures (EXT)
- FORM-IV Enclosures (F-4)
- Battery Cabinets (BCE)
- Control & Relay Panel Enclosures (CRP)

## MAJOR FACILITIES AVAILABLE

### SHEET METAL FABRICATION

NEI has a full-fledged sheet metal fabrication unit to make its manufacturing more comprehensive. It uses one of the most sophisticated and the largest CNC Punching machine as on date in Oman. These machines are loaded with superior tools from USA. Further, to ensure a well balanced fabrication line-up it has a CNC bending machine and uses MIG/MAG welding effectively to complete the fabrication shop. The steel sheets used are of high quality electro galvanized from most reputed Japanese /Korean/Malaysian mills that are certified by independent international agencies

### PRETREATMENT

Pre Treatment and Phosphating are inevitable to protect cut edges and weld areas before powder coating. NEI has a five tank pre-treatment process comply with Class "C" of IS: 3618-1966. The above ensures NEI the complete control over its entire products and processes. Establishing of these lines ensures quick throughput.



### POWDER COATING

NEI has an in house conveyerised powder coating plant. The Powder Coating that is carried out in-house has facility to paint any color. The painted parts are polymerized in the continuous electric oven. This can cater to the exact tailor made as well as huge bulk requirements of our customers in the shortest possible time.



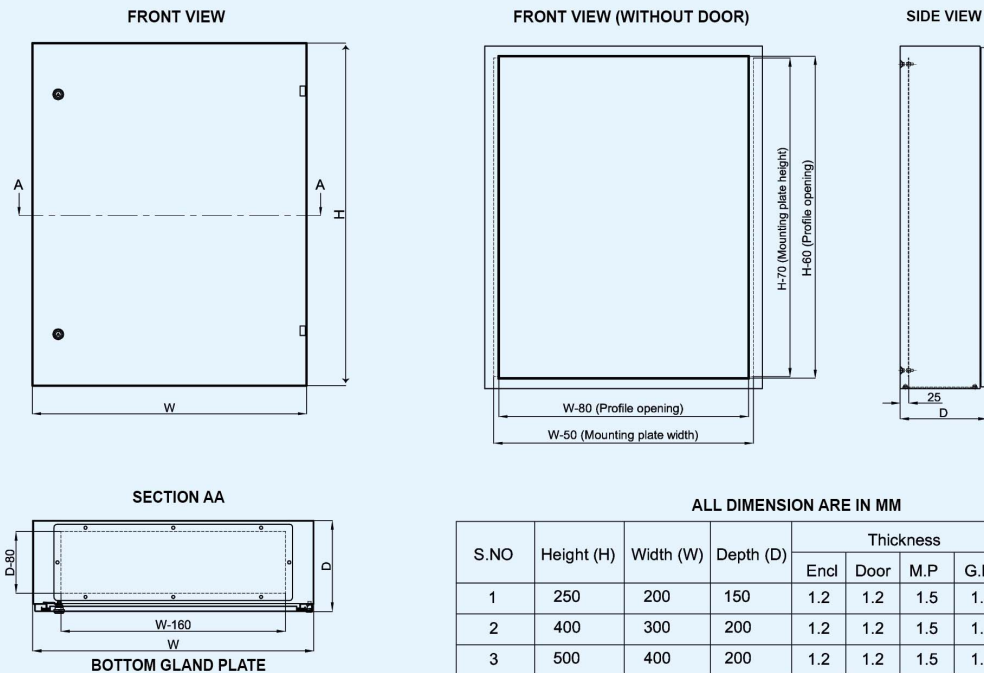


## WALL MOUNTED ENCLOSURES



### WALL MOUNTED ENCLOSURES (WME) - SALIENT FEATURES

- Enclosures are made from electrogalvanised sheet steel.
- Degree of protection is IP55.
- Front doors can open up to 180°.
- Semi concealed zinc diecast non corrosive hinges with triangular loks.
- Enclosures are processed with zinc phosphating and electrostatic powder coating with polyester powder (RAL 7032-matt texture finish).
- Enclosure with other paint shades can be supplied on demand.
- Welded earth stude are provided for door / body earthing.
- Rain gutter is provided which protects from water spillages.
- Base channels and canopies are optional.
- Tower bolts are provided as standard feature in all double door enclosures.
- Double door enclosures are with 3 point triangular lock and round rod locking system.



ALL DIMENSION ARE IN MM

S.NO	Height (H)	Width (W)	Depth (D)	Thickness				NO. OF DOORS
				Encl	Door	M.P	G.P	
1	250	200	150	1.2	1.2	1.5	1.2	1
2	400	300	200	1.2	1.2	1.5	1.2	1
3	500	400	200	1.2	1.2	1.5	1.2	1
4	600	500	200	1.2	1.2	1.5	1.2	1
5	700	500	200	1.2	1.2	1.5	1.2	1
6	800	600	200	1.2	1.2	1.5	1.2	1
7	800	800	200	1.2	1.2	1.5	1.2	1
8	1000	600	250	1.2	1.2	1.5	1.2	1
9	1000	800	250	1.2	1.2	1.5	1.2	1
10	1200	800	250	1.2	1.2	1.5	1.2	1
11	1200	1000	250	1.2	1.2	1.5	1.2	1
12	1200	1200	250	1.2	1.2	1.5	1.2	2
13	1400	800	250	1.5	1.5	2	1.5	1
14	1400	1000	250	1.5	1.5	2	1.5	1
15	1400	1200	250	1.5	1.5	2	1.5	2



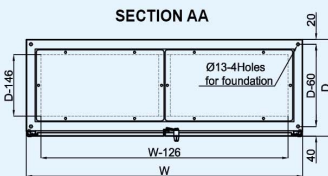
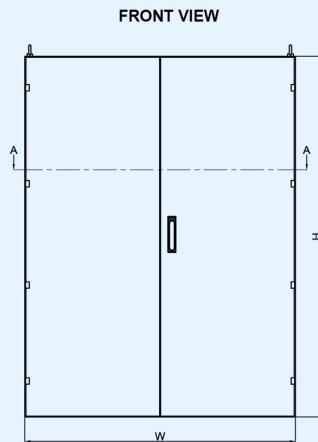


## FLOOR MOUNTED ENCLOSURES

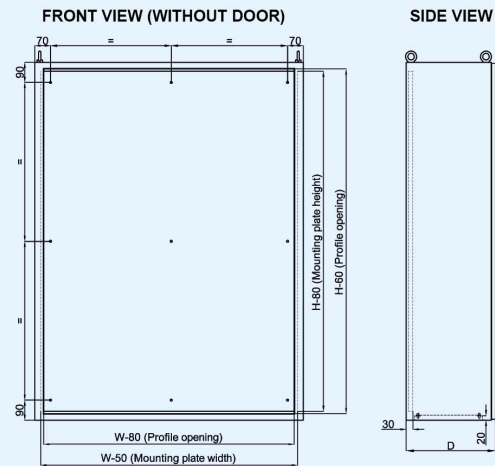


### FLOOR MOUNTED ENCLOSURES (WME) - SALIENT FEATURES

- Enclosures are made from electrogalvanised sheet steel, with rigid welded box construction.
- Degree of protection is IP55.
- Front doors can open up to 180°.
- Semi concealed zinc diecast non corrosive hinges and lockable swing handles with 3 point round rod locking system.
- Enclosures are processed with zinc phosphating and electrostatic powder coating with polyester powder (RAL 7032-matt texture finish).
- Enclosure with other paint shades can be supplied on demand.
- Lifting Eye bolts are provided for ease of handling.
- Welded earth stude are provided for door / body earthing.
- Rain gutter is provided which protects from water spillages.
- Base channels, padlock provision, canopies and other paint shades are optional (e.g. RAL 7035, RAL 2000, etc...)
- Tower bolts are provided as standard feature in all double door enclosures.



BOTTOM GLAND  
PLATE & FOUNDATION



#### ALL DIMENSION ARE IN MM

S.NO	Height (H)	Width (W)	Depth (D)	Thickness				NO. OF DOORS & G.P
				Encl	Door	M.P	G.P	
1	1600	800	300/400	1.5	2	2	2	1
2	1600	1000	300/400	1.5	2	2	2	1
3	1600	1200	300/400	1.5	2	2	2	2
4	1600	1400	300/400	1.5	2	2	2	2
5	1600	1600	300/400	1.5	2	2	2	2
6	1800	800	300/400	1.5	2	2	2	1
7	1800	1000	300/400	1.5	2	2	2	1
8	1800	1200	300/400	1.5	2	2	2	2
9	1800	1400	300/400	1.5	2	2	2	2
10	1800	1600	300/400	1.5	2	2	2	2
11	1800	1800	300/400	1.5	2	2	2	2
12	2000	1000	300/400	1.5	2	2	2	1
13	2000	1200	300/400	1.5	2	2	2	2
14	2000	1400	300/400	1.5	2	2	2	2
15	2000	1600	300/400	1.5	2	2	2	2
16	2000	1800	300/400	1.5	2	2	2	2
17	2000	2000	300/400	1.5	2	2	2	2

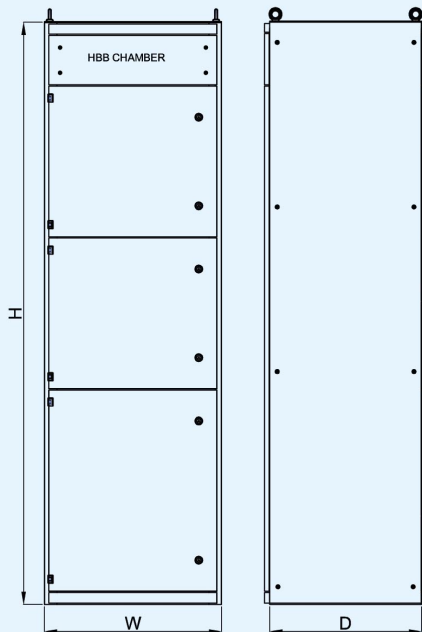


## FORM - 4 ENCLOSURES



### FORM - 4 ENCLOSURES - SALIENT FEATURES

- Enclosures are made from electrogalvanised sheet steel, with rigid frames which permits extension on both sides to from 'L' or 'U' shape panels to suit electrical room layout.
- Forms of separation - Form 3, Form 4a & 4b.
- Degree of protection is IP54.
- Main busbar chamber can be in the top or bottom of the panel as required.
- Front doors can open up to 180°.
- Semi consealed zinc diecast non corrosive hinges and single point triangular locks.
- Rear covers and side covers are screwed to main frame.
- Modular design allows construction of cubicles in different sizes to suit project requirement.
- Enclosures are processed with zinc phosphating and electrostatic powder coating with polyester powder (RAL 7032-matt texture finish).
- Enclosure with other paint shades can be supplied on demand.
- D-type from gasket provides required IP levels.
- Welded earth studs for door / body earthing.



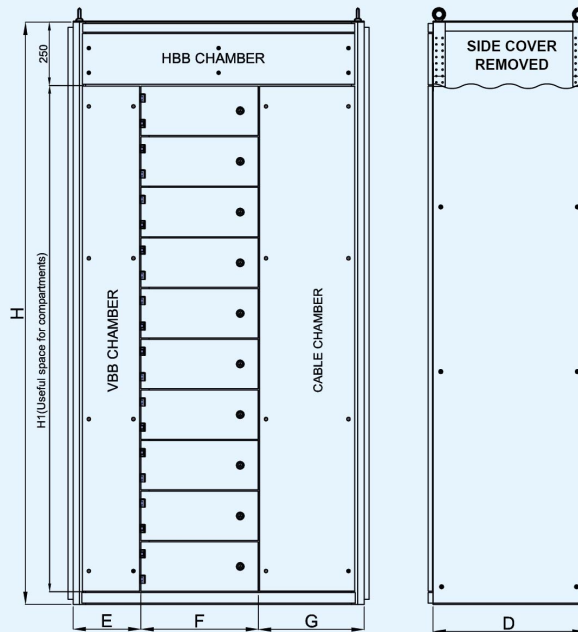
FRONT VIEW

SIDE VIEW

INCOMER CUBICLES

ALL DIMENSION ARE IN MM

S.NO	Height (H)	Width (W)	Depth (D)	Thickness	
				External	Internal
1	1900	500	600/800/1000	2	1.2
2		700		2	1.2
3		800		2	1.2
4	2100	500	600/800/1000	2	1.2
5		700		2	1.2
6		800		2	1.2
7	2300	500	600/800/1000	2	1.2
8		700		2	1.2
9		800		2	1.2



FRONT VIEW

SIDE VIEW

OUTGOING CUBICLES

ALL DIMENSION ARE IN MM

S.NO	Height (H)	H1	E	F	G	Depth (D)	Thickness	
							External	Internal
1	1900	1600	250	500	400	600/800/1000	2	1.2
2				700			2	1.2
3	2100	1800	250	500	400	600/800/1000	2	1.2
4				700			2	1.2
5	2300	2000	250	500	400	600/800/1000	2	1.2
6				700			2	1.2



## EXTENDABLE ENCLOSURES



### EXTENDABLE ENCLOSURES - SALIENT FEATURES

- Enclosures are made from electrogalvanised sheet steel, with rigid welded frames permits extension on both sides.
- Degree of protection is IP55.
- Mounting Plates are movable
- Front doors can open up to 180°.
- Semi concealed zinc diecast non corrosive hinges and lockable swing handles with 3 point round rod locking system.
- Rear covers and side covers are screwed to main frame.
- Enclosures are processed with zinc phosphating and electrostatic powder coating with polyester powder (RAL 7032-matt texture finish).
- Enclosures with other paint shades can be supplied on demand.
- Lifting Eye bolts are provided for ease of handling.
- Welded earth studs are provided for door / body earthing.
- Rain gutter is provided which protects from water spillages.
- Base channels, padlock provision, canopies and other paint shades are optional (e.g. RAL 7035, RAL 2000 rts...)
- Tower bolts are provided as standard feature in all double door enclosures.

