

EXTERNAL DIMENSIONS

DESIGNED

CONSTRUCTION

MATERIAL

FASTENERS

500mm WIDE, 700mm HIGH, 376mm DEEP
DESIGNED IN ACCORDANCE WITH AS61439.2
MACHINE FORMED AND WELDED. FRONT CONNECTED,
FLOOR MOUNTED.
3mm 5052 H32 ALUMINIUM CUBICLES AND DOORS. 3mm 5052
H32 ALUMINIUM GEAR TRAYS
316 GRADE STAINLESS STEEL FASTENERS WITH SS OR NYLON
WASHERS AS REQUIRED.
NYLON FASTENERS USED WHERE REQUIRED BY SUPPLY
AUTHORITY AND FOR CLEAR COVERS & SHROUDS WHERE
ELECTRICAL HAZARD EXISTS.
ALUMINIUM NUTSERTS USED WHERE REQUIRED FOR BOLTS M8 &
LARGER OR FOR HEAVY EQUIPMENT

LIFTING FACILITY

PLINTH

CABLE ENTRIES

GLAND PLATES

DOORS

ESCUTCHEONS

LABELS

N/A
N/A
BOTTOM ENTRY THROUGH HINGED FLAP
N/A
FITTED WITH 80mm (UNO) CHROME PLATED BRASS PINTLE HINGES
WITH STAINLESS STEEL HINGE PINS. CHROME PLATED BRASS
SWING HANDLE WITH 3 POINT LOCKING.
FITTED WITH 80mm (UNO) CHROME PLATED BRASS PINTLE HINGES
WITH STAINLESS STEEL HINGE PINS. CHROME PLATED BRASS
QUARTER TURN LOCKS (8mm SQUARE KEY)
EXTERNAL - STAINLESS STEEL (BLACK TEXT)
INTERNAL - ENGRAVED TRAFOLYTE
FIXING - M3 x 6 TAPTIGHTS
TRAFFOLYTE COLOUR W/B/W UNLESS NOTED OTHERWISE

RATED VOLTAGE

FAULT RATING

RATED CURRENT

SEGREGATION

INGRESS PROTECTION

WEATHER SEALS

FINISH

PREPARATION

EXTERNAL COLOUR

INTERNAL COLOUR

ESCUTCHEONS

EQUIPMENT PANELS

415VAC
10kA
UP TO 125A
N/A
IP56 (EXCEPT GENERATOR INLET FLAP)
25mm DURAFOAM TAPE AROUND EACH DOOR
3mm THICK DURAFOAM TAPE AROUND GENERATOR INLET FLAP
ELECTROSTATIC POWDER COATED.
CLEAN, DEGREASE AND GRIND SMOOTH
MIST GREEN G54 TO AS2700
MIST GREEN G54 TO AS2700
GLOSS WHITE N14 TO AS2700
GLOSS WHITE N14 TO AS2700

A

B

C

D

STAYED @ 105°

R-PE

DOOR LAYOUT

500

700

STAYED @ 90°

R/W/R
Q3
GENERATOR MAIN SWITCH
OFF ON

ESCUTCHEON LAYOUT

CABLE MANAGEMENT FOR EARTH & NEUTRAL CABLES

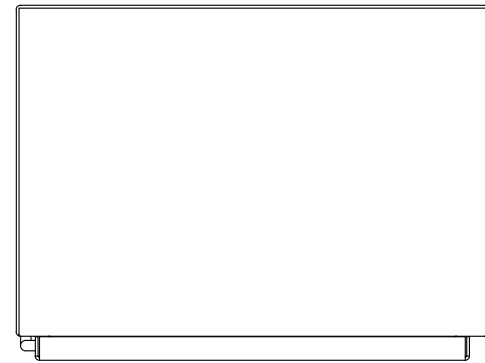
ALUMINIUM COVER OVER INLET FOR TERMINAL SHROUDING

GENERATOR INLET MOUNTED TO UNDERSIDE OF SHELF (125A INLET SHOWN)

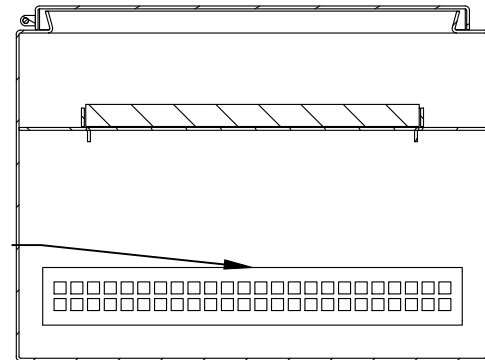
HINGED FLAP FOR GENERATOR CABLE ACCESS

FRONT LAYOUT

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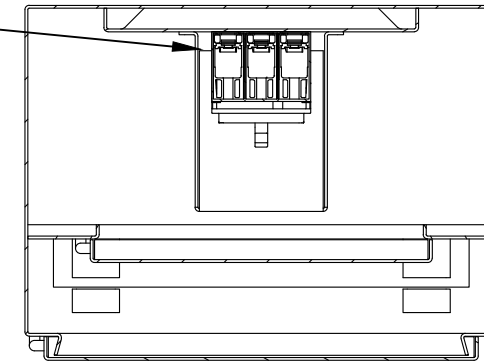


TOP VIEW

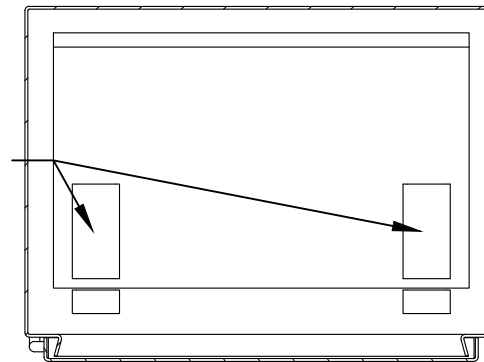


SECTION B-B

CABLE MANAGEMENT ON UNDERSIDE OF ROOF



SECTION C-C



SECTION D-D

BRACKETS FOR
PADBOLT TO KEEP
HINGED FLAP CLOSED
WHEN NOT IN USE

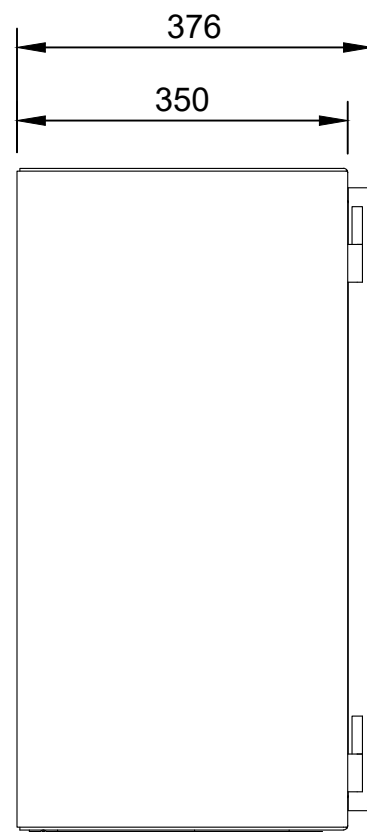
ABBREVIATIONS

CTS: CENTERS
CW: COMPLETE WITH
NTS: NOT TO SCALE
UNO: UNLESS NOTED OTHERWISE

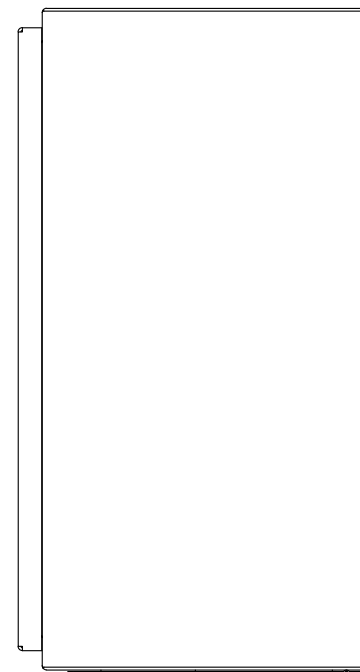
LABEL COLOUR ABBREVIATIONS:
BWB: BLUE LABEL WITH WHITE TEXT
RWR: RED LABEL WITH WHITE TEXT
WBW: WHITE LABEL WITH BLACK TEXT
YBY: YELLOW LABEL WITH BLACK TEXT

NOTES:

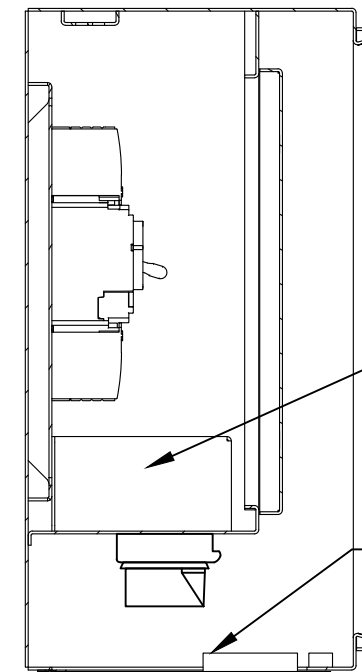
1. ALL ANGULAR DIMENSIONS IN DEGREES UNO
2. ALL OTHER DIMENSIONS IN MILLIMETERS UNO



LEFT SIDE



RIGHT SIDE



SECTION A-A

- ALUMINIUM COVER
OVER INLET FOR
TERMINAL SHROUDING

- BRACKETS FOR PADBOLT TO KEEP HINGED FLAP CLOSED WHEN NOT IN USE

ISSUED FOR USE

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12
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A

GENERAL

- GENERATOR INLET CABINET TO BE THE SAME PHYSICAL SIZE FOR BOTH 125A & 63A OPTIONS
- THE ONLY THING THAT CHANGES BETWEEN THE VARIANTS IS IN THE PROCONNECT INLET PLUG ITSELF, AND ITS ASSOCIATED CUTOUT IN THE SHELF
- HINGED FLAP TO BE RETAINED CLOSED WITH STAINLESS STEEL PADBOLT FROM THE INSIDE OF THE CABINET TO PREVENT UNAUTHORISED ACCESS
- HINGE FOR FLAP TO BE ALUMINIUM PIANO HINGE WITH STAINLESS STEEL HINGE PIN, RUNNING THE FULL WIDTH OF THE FLAP. EXACT HINGE SIZE TO BE DETERMINED BY SWITCHBOARD MANUFACTURER
- IF PIANO HINGE IS FIXED TO CABINET BY WAY OF BOLTS, NYLOC NUTS ARE TO BE FITTED TO THE BOLTS ON THE INSIDE OF THE CABINET TO PREVENT TAMPERING (ie. TO PREVENT SOMEONE UNSCREWING THE FLAP FROM THE OUTSIDE WHEN IT IS CLOSED).
- HINGED FLAP TO HAVE A SIMPLE SEAL/GASKET FITTED TO PROVIDE SOME WEATHERPROOFING WHEN CLOSED
- HINGED FLAP TO BE FITTED WITH AN EARTH STRAP TO THE CABINET FRAME
- ALUMINIUM COVER OVER GENERATOR INLET TERMINALS IS SHOWN TO PROVIDE DESIGN INTENT. SWITCHBOARD MANUFACTURER TO ENSURE THAT THERE ARE NO EXPOSED LIVE PARTS BEHIND THE ESCUTCHEON WHEN ALL EQUIPMENT HAS SHROUDS AND COVERS FITTED.

EQUIPMENT
NOT SHOWN

THE FOLLOWING EQUIPMENT AND RESPECTIVE MOUNTING ARRANGEMENTS HAVE NOT BEEN SHOWN. IT IS THE RESPONSIBILITY OF THE SWITCHBOARD MANUFACTURER TO ENSURE THESE ARE INCLUDED IN SITE SPECIFIC DESIGNS WHERE REQUIRED:

- CUBICLE LIGHTS
- DOOR SWITCHES
- HOOD & HEATSHIELDS

SITE SPECIFIC DESIGN & IFC DRAWINGS

- DIMENSIONS AND SECTIONAL VIEWS IN THIS STANDARD DESIGN ARE SHOWN AS A GUIDE ONLY
- DIMENSIONS OF THE GENERATOR INLET PANEL ARE TO BE UPDATED TO SUIT THE SPECIFIC SWITCHBOARD DESIGN THAT THE GENERATOR INLET WILL BE WELDED TO
- GENERATOR INLET BOX TO BE FULLY WELDED TO SWITCHBOARD CABINET TO ENSURE IP RATING IS MAINTAINED
- BOTTOM OF GENERATOR INLET SOCKET TO BE APPROX 1500mm ABOVE GROUND LEVEL
- SWITCHBOARD MANUFACTURER TO ENSURE DIMENSIONS ARE UPDATED DURING SITE SPECIFIC DETAILED DESIGN
- IT IS EXPECTED THAT THE GENERATOR INLET AND DETAIL WILL TYPICALLY BE SHOWN ON THE SITE SPECIFIC SWITCHBOARD GENERAL ARRANGEMENT DRAWINGS, THEREFORE SITE SPECIFIC GENERATOR INLET GA DRAWINGS ARE NOT REQUIRED UNLESS THE GENERATOR INLET IS MOUNTED REMOTE TO THE MAIN SWITCHBOARD.

COMPLIANCE

- IT IS THE RESPONSIBILITY OF THE SWITCHBOARD MANUFACTURER TO ENSURE THE SWITCHBOARD DESIGN IS COMPLIANT WITH THE CURRENT VERSION OF ALL RELEVANT STANDARDS AND SPECIFICATIONS, INCLUDING (BUT NOT LIMITED TO):
 - AS/NZS 3000
 - AS/NZS 61439 SERIES
 - SUPPLY AUTHORITY STANDARDS
 - UNITYWATER SPECIFICATIONS
- DESIGN AND IFC DRAWINGS FOR SPECIFIC SITES BASED ON THIS STANDARD DESIGN ARE STILL REQUIRED TO HAVE APPROVAL FROM UNITYWATER PRIOR TO CONSTRUCTION.

ISSUED FOR USE

A3

[illegible]

Unitywater

TYPICAL ELECTRICAL DRAWINGS
NETWORK PUMP STATION GENERATOR INLET (UP TO 125A)
SWITCHBOARD GENERAL ARRANGEMENT

SHEET	OF	SHEETS	SCALE	N/A
REVISION DATE	26/06/2026		REVISION	0
DISCIPLINE CODE	E			
DRAWING NO.				
UWDSTD-E-DR-9021-93				