

TECHNICAL SPECIFICATION: (note numbers correspond to balloon numbers on drawing)

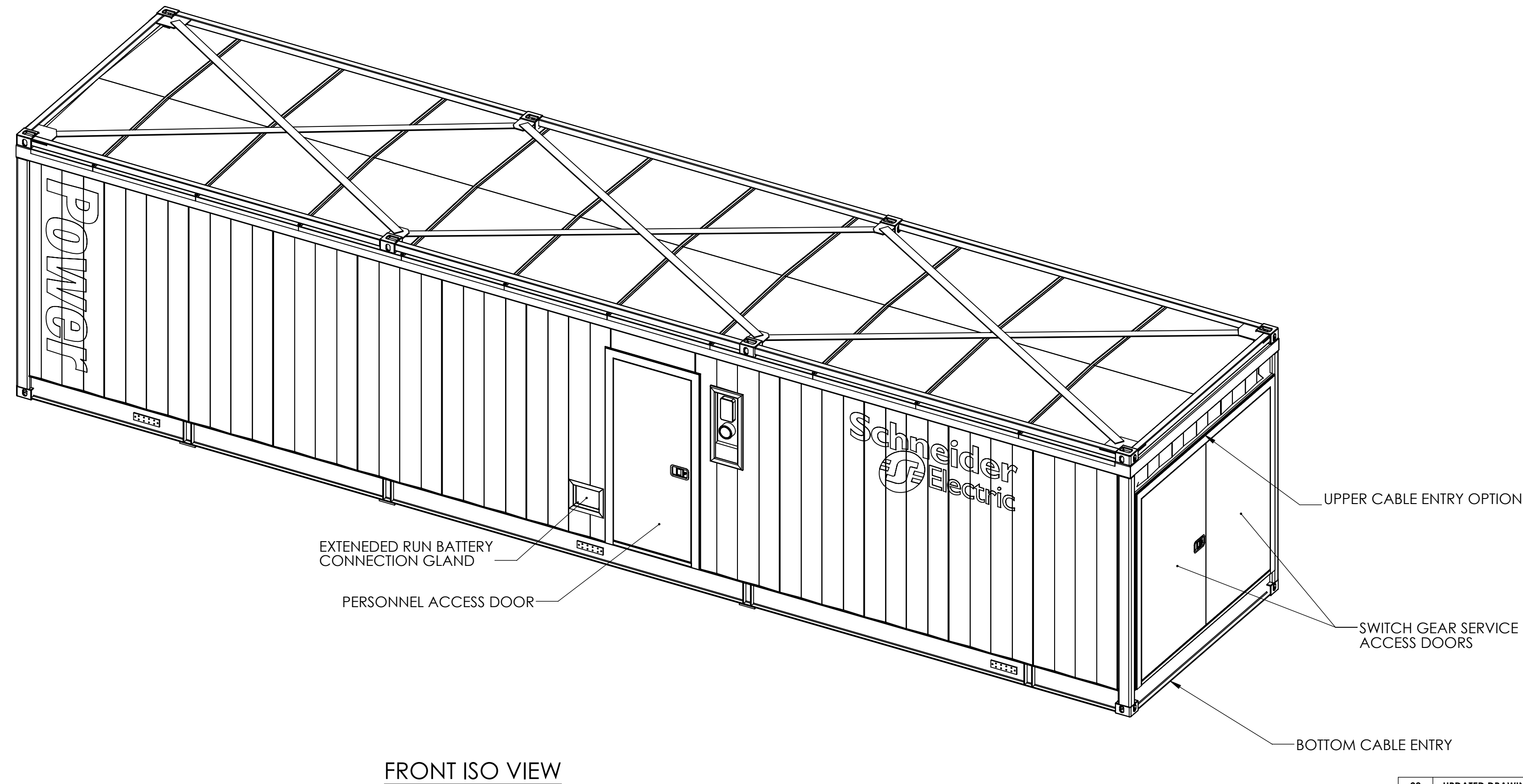
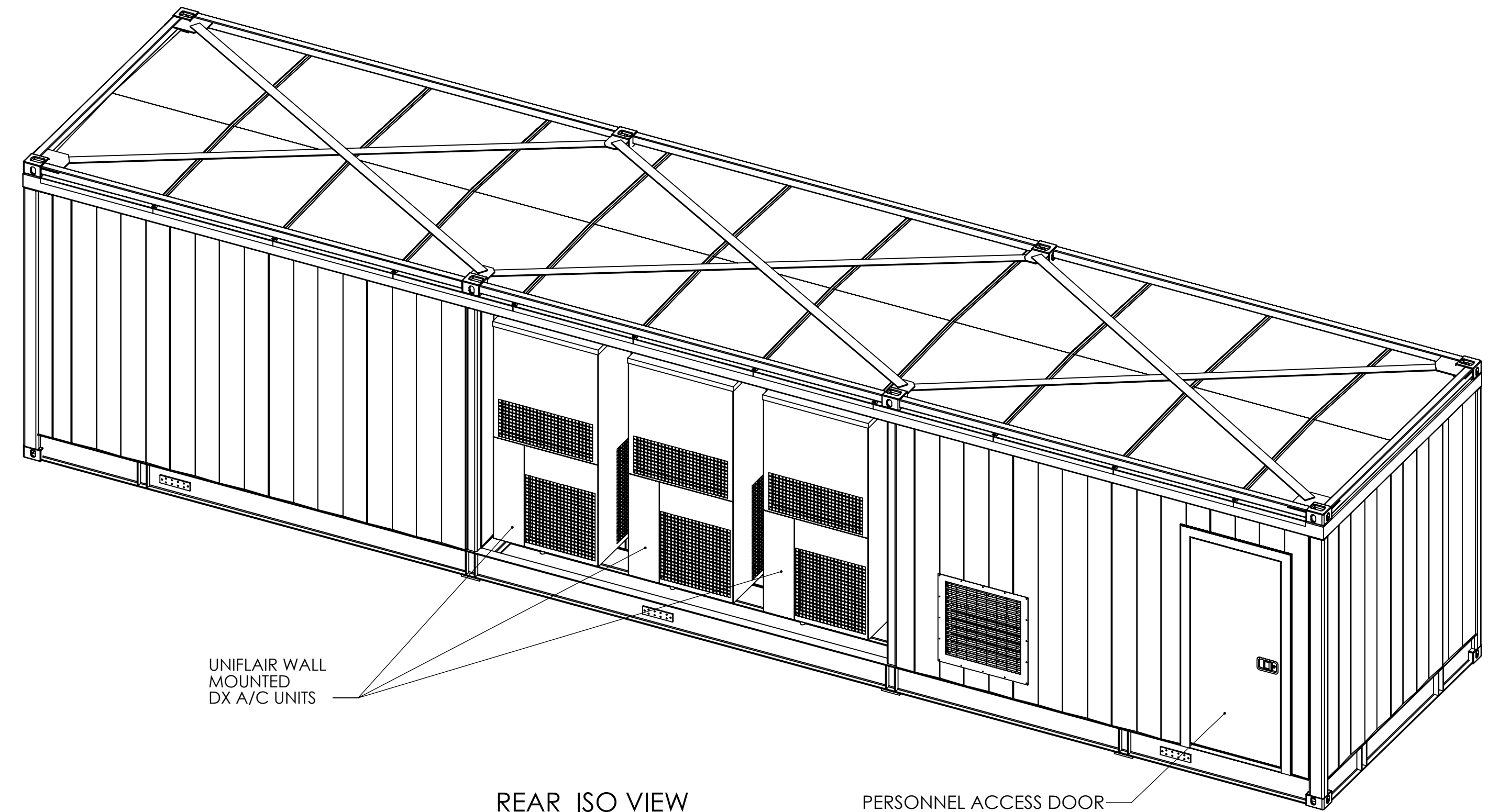
1. FLOOR FRAME / PLINTH:
UB254x102x28 sandblasted to SA2.5 and finished to external paint specification.
2. GUSSET PLATE
3. UB BASE PLATE
4. FLOOR JOIST:
UB203x102x23. Sandblasted to SA2.5, primed and finished to external paint specification
5. FLOOR SUPPORT:
RHS 80x40x3 members welded to floor joists, sandblasted to SA2.5, primed and finished to external paint specification
6. UNDERSIDE SHEETING:
1.5 mm Galvanite / HDG Z275 sheeting (or approved equivalent) to provide protection to the underside of the module
7. FLOOR: 18 mm thick subfloor grade plywood screwed to floor joists with countersunk self-tapping electro zinc plated steel screws. Screws are countersunk below the floor surface 1.0 to 2.5 mm. Maintain floor flatness of 10 mm.
8. FLOOR: Anti-static PVC floor tiles or approved alternate
9. ROOF RING BEAM:
RHS 150x100x5 sandblasted to SA2.5 and finished to external paint specification
10. EXTERNAL ROOF SKIN:
2.5 mm Galvanite / HDG Z275 (or approved equivalent) manufactured to provide the necessary roof pitch to prevent ponding. Each sheet is flanged and capped or overlapped to provide a waterproof seal.
11. ROOF RAFTER:
2.5 mm Galvanite / HDG Z275 (or approved equivalent) To provide the necessary support for the external roof skin, insulate with 100 mm Rockwool RWA45
12. FIRE WALL:
15 mm Promatect FW 1 hour rated fire wall sheet attached to the roof rafters.
13. CEILING:
1.5 mm Galvanite / HDG Z275 (or approved equivalent) riveted thru the fire wall and into the ceiling rafters. Finish to internal wall specification.
14. EXTERNAL WALL SKIN:
2.5 mm Galvanite / HDG Z275 (or approved equivalent) finished to external paint specification. Wall skins should not dish or bow and must be flat within 10mm.
15. INSULATION:
100 mm Rockwool RWA45 insulation
16. FIRE WALL:
15 mm thick Promatect FW1 hour rated fire wall sheet attached to steelwork frame and wall studs.

17. INTERNAL WALL SKIN:
1.5 mm Galvanite / HDG Z275 (or approved equivalent) riveted thru the fire wall and attached to steelwork frame and wall studs. Wall skins and joints finished to aesthetic quality approved by Schneider Electric.
18. DOORS: 1 hour fire rated, exterior, thermally insulated steel doors.
DOOR 1 and 2; PERSONNEL ACCESS DOORS
Three point locking with panic bar and door closer. Clear opening 900 mm x 2100 mm.
DOOR 3; PRIMARY BUS/CABLING ACCESS DOOR. Clear opening 2575 mm x 2100 mm
19. PAINT SPECIFICATION
EXTERNAL PAINT SPECIFICATION:
1. Zinc rich primer Interzinc 52; 75 micrometers thick
2. Intermediate base coat Intergard 475HS; 200 micrometers thick
3. Finish coat Interfine 878; 60 micrometers thick; white color to match RAL9022, gloss finish

Apply paint per manufacturer's recommendations and at recommended temperatures.
20. ROOF RING MEMBER:
SHS80x80x3.6 sandblasted to SA2.5 and finished to external paint specification.
21. ROOF BRACING:
Flat bar 100 x 8 sandblasted to SA2.5 and finished to external paint specification. Ensure complete coverage of paint on all roof member surfaces.
22. ROOF BRACING GUSSET PLATE:
Gusset plate sandblasted to SA2.5 and finished to external paint specification
23. UNIFLAIIR MONOBLOCK A/C UNITS:
Install Uniflair monoblocks per manufacturer's instructions for weather tight sealing and recommended wall attachment using Uniflair supplied brackets
24. UNISTRUT PIPE CLAMP
Stainless steel 40mm dia pipe clamps to support condensate drain pipe, Unistrut p/n P1115 or equivalent
25. CONDENSATE DRAIN PIPE
40mm dia PVC drain pipe

GENERAL WELDING NOTES:

1. ALL STEEL SURFACES TO BE DEGREASED AND SAND BLASTED TO SWEDISH STANDARD SA2.5 TO REMOVE ALL RUST, DIRT, MILL SCALE AND OTHER FOREIGN MATERIALS.
2. ALL WELD JOINTS TO BE SAND BLASTED TO REMOVE ALL WELDING FLUXES, SPATTERS, BURNT PRIMER COATINGS CAUSED BY WELD HEAT AND OTHER FOREIGN MATERIALS. ALL SURFACES TO BE COATED WITH PRIMER PAINT IMMEDIATELY AFTER SAND BLASTING.
3. ALL EXTERIOR ROOF AND WALL SKIN WELDING TO BE CONTINUOUS TO PROVIDE FOR WATERTIGHT JOINTS.
4. WELD PROFILES SHALL MEET THE REQUIREMENTS OF AWS D1.1 SECTION 5.24. ALL WELDS SHALL BE FREE FROM CRACKS, OVERLAPS, AND THE UNACCEPTABLE PROFILE DISCONTINUITIES SHOWN IN FIGURE 5.4 OF AWS D1.1 AND SHALL BE VISUALLY INSPECTED TO THE CRITERIA OF TABLE 6.1 OF AWS D1.1



REV	DESCRIPTION	DRWN	DATE	ENGR	DATE	APPR	DATE
02	UPDATED DRAWING NUMBER IN TITLE BLOCK, DELETED SH 4, MINOR DRAWING TEXT REVISIONS	L. PERRY	17SEP2013	L. PERRY	17SEP2013	L. PERRY	17SEP2013
01	INITIAL RELEASE	L. PERRY	20MAY2013	L. PERRY	20MAY2013	L. PERRY	20MAY2013

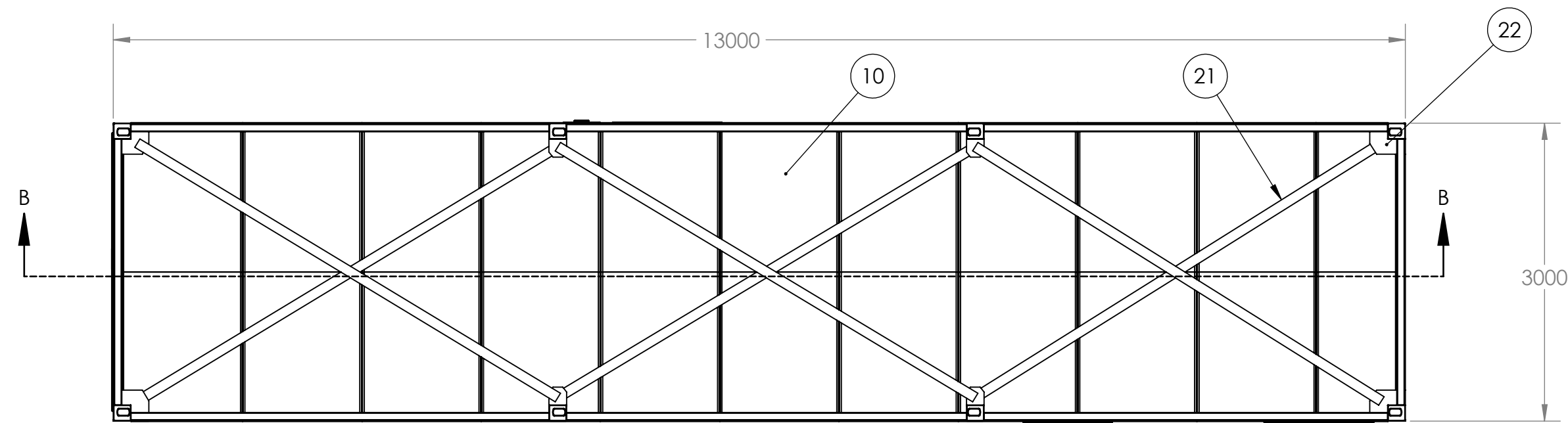
REVISIONS							
NO.	DESCRIPTION	DATE	BY	CHKD	APPD	DATE	REV
02	UPDATED DRAWING NUMBER IN TITLE BLOCK, DELETED SH 4, MINOR DRAWING TEXT REVISIONS	17SEP2013	L. PERRY		L. PERRY	17SEP2013	02
01	INITIAL RELEASE	20MAY2013	L. PERRY		L. PERRY	20MAY2013	01

TITLE: TOP LEVEL MECHANICAL LAYOUT
DWG NO: PFMPE0500EB
ENGINEER: L. PERRY 5/20/2013
DRAWN: L. PERRY 5/20/2013
APPROVED: L. PERRY 5/20/2013

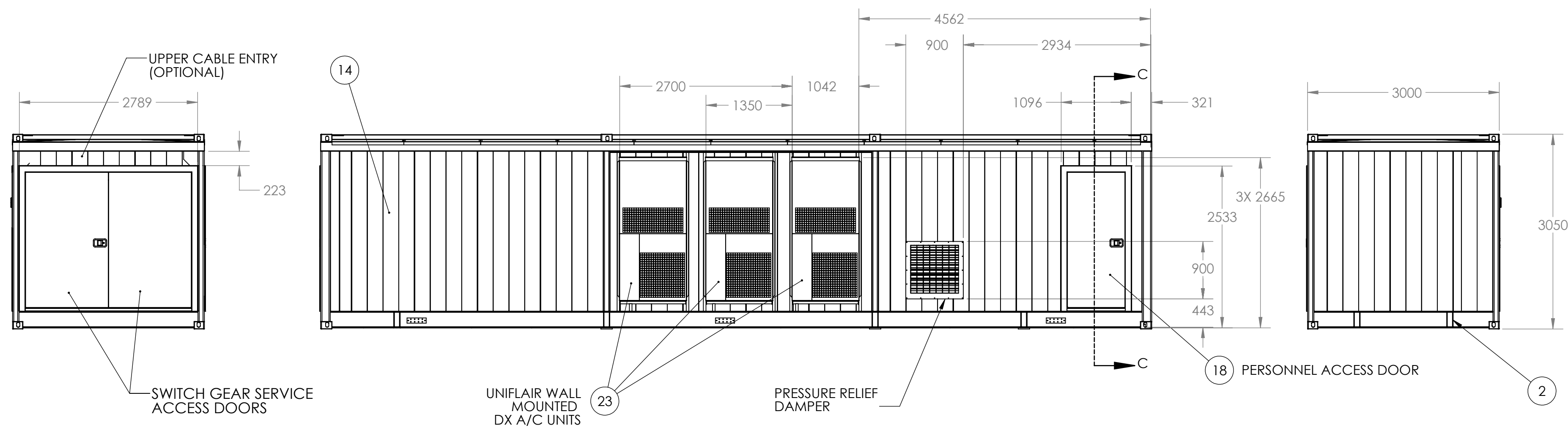
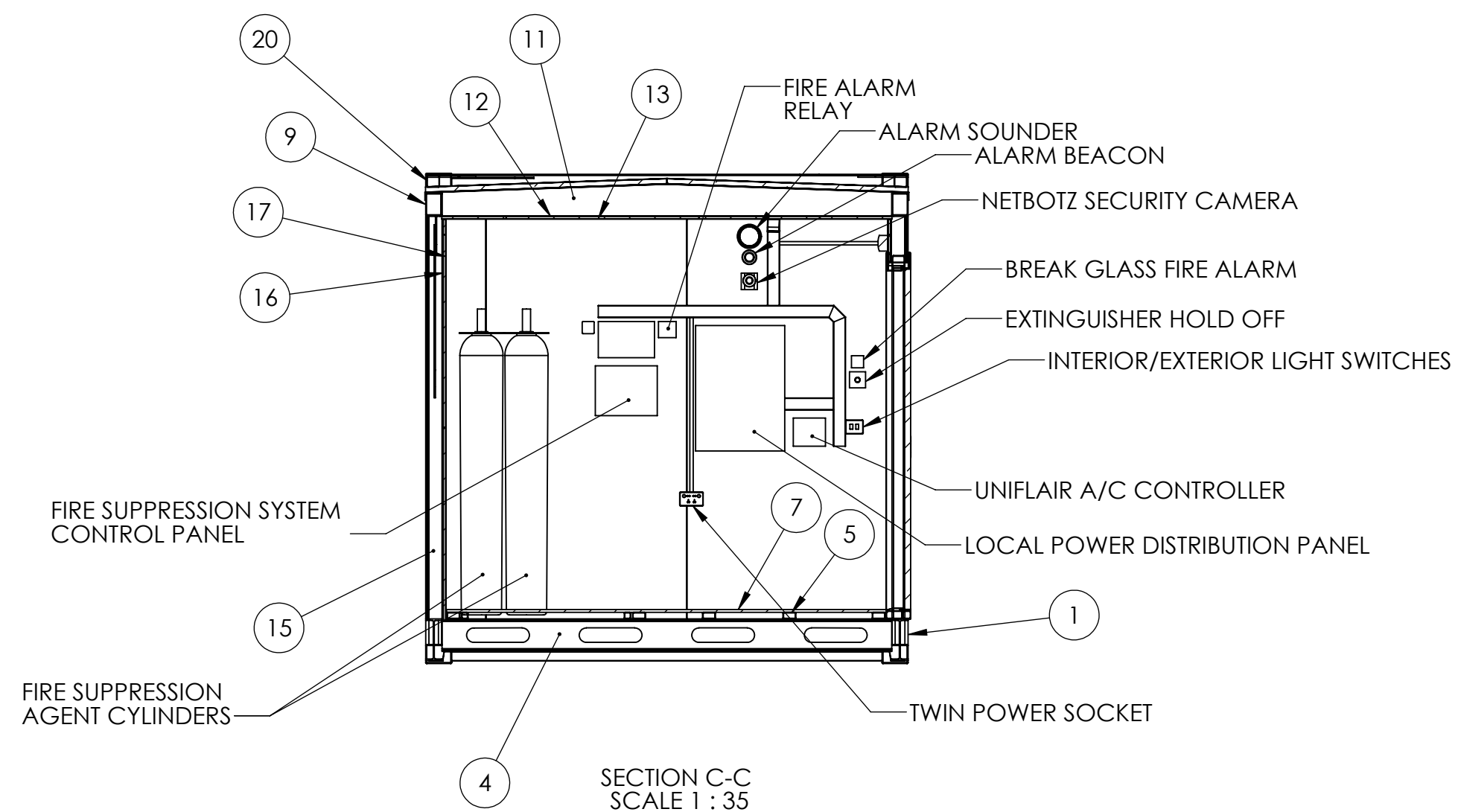
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

POWER MODULE 500KW EMEA SHEET 1 OF 3



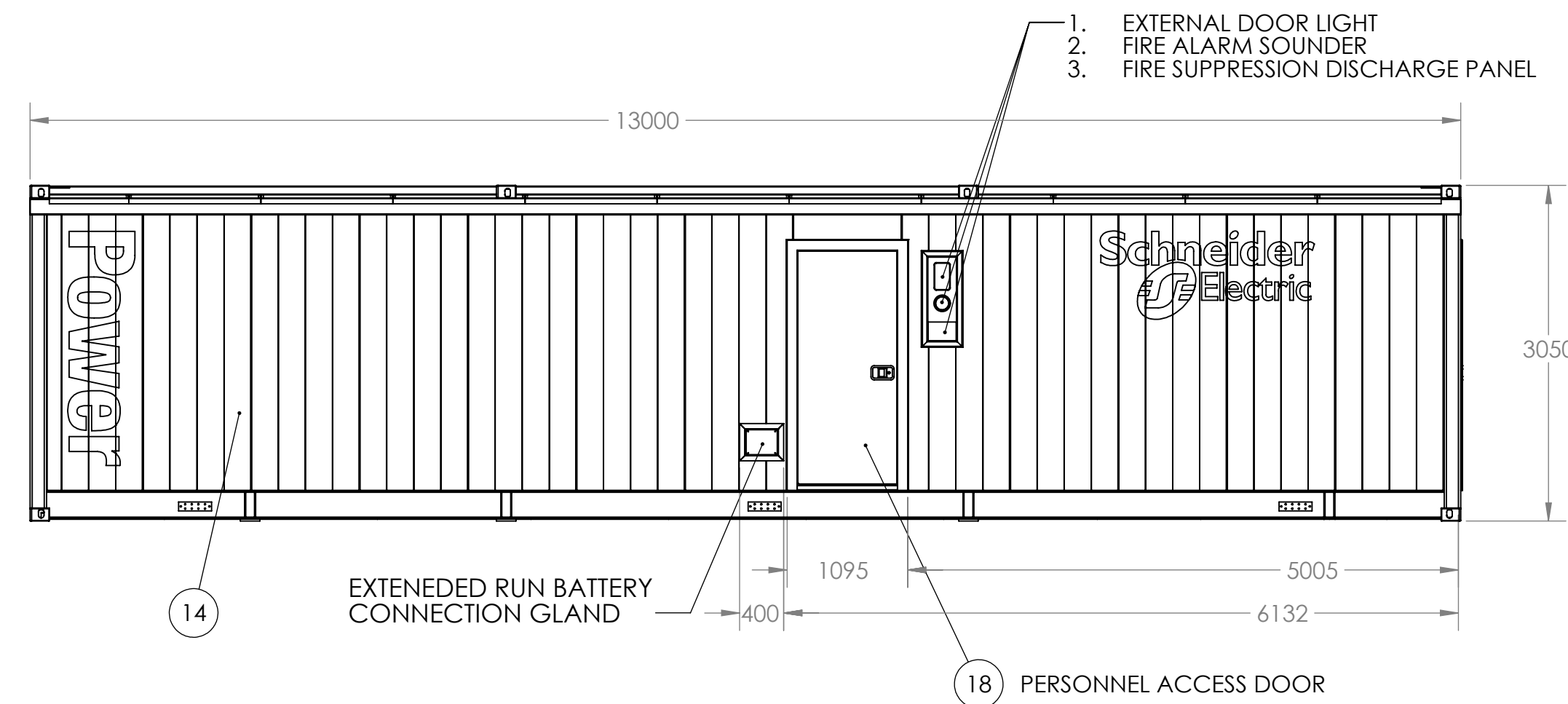
ROOF PLAN



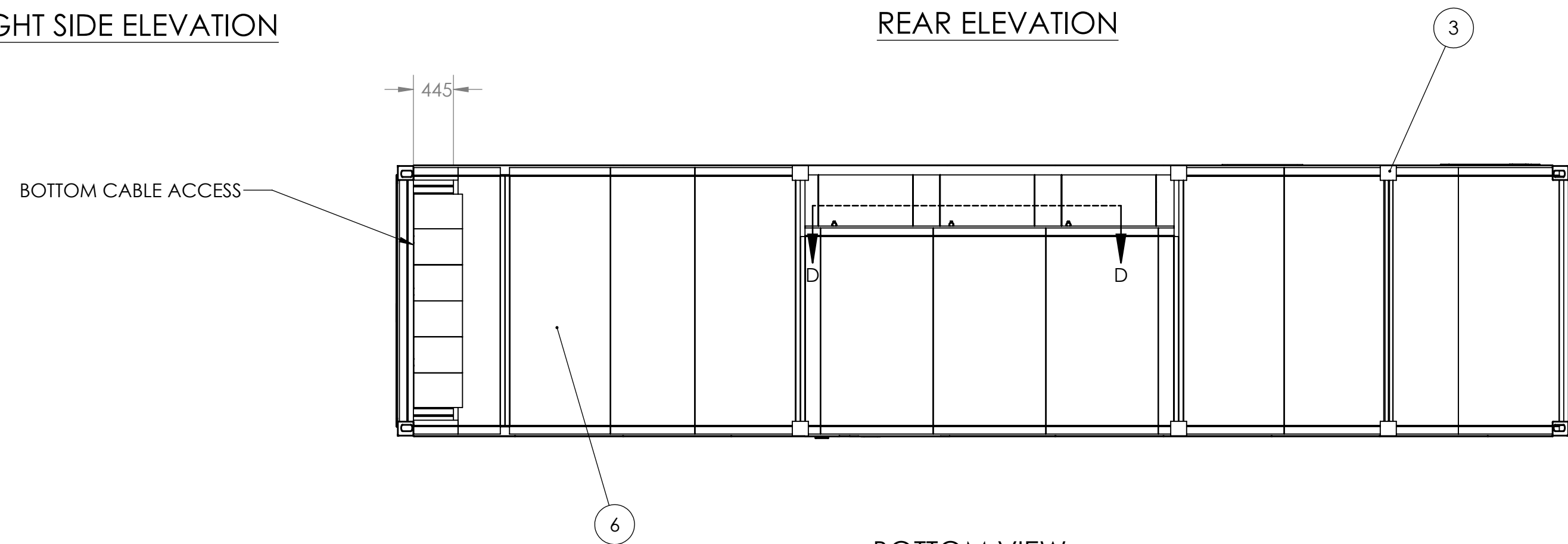
RIGHT SIDE ELEVATION

REAR ELEVATION

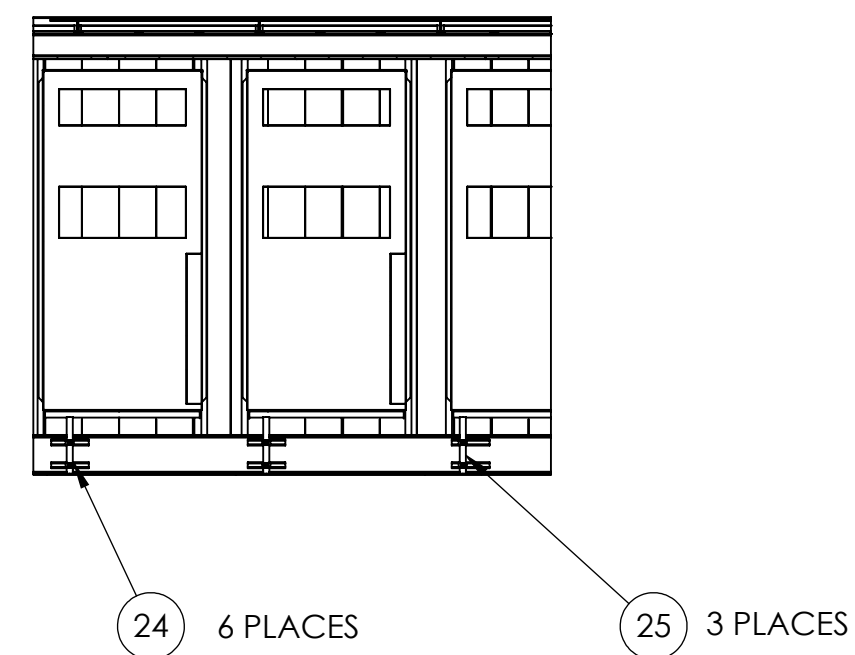
LEFT SIDE ELEVATION



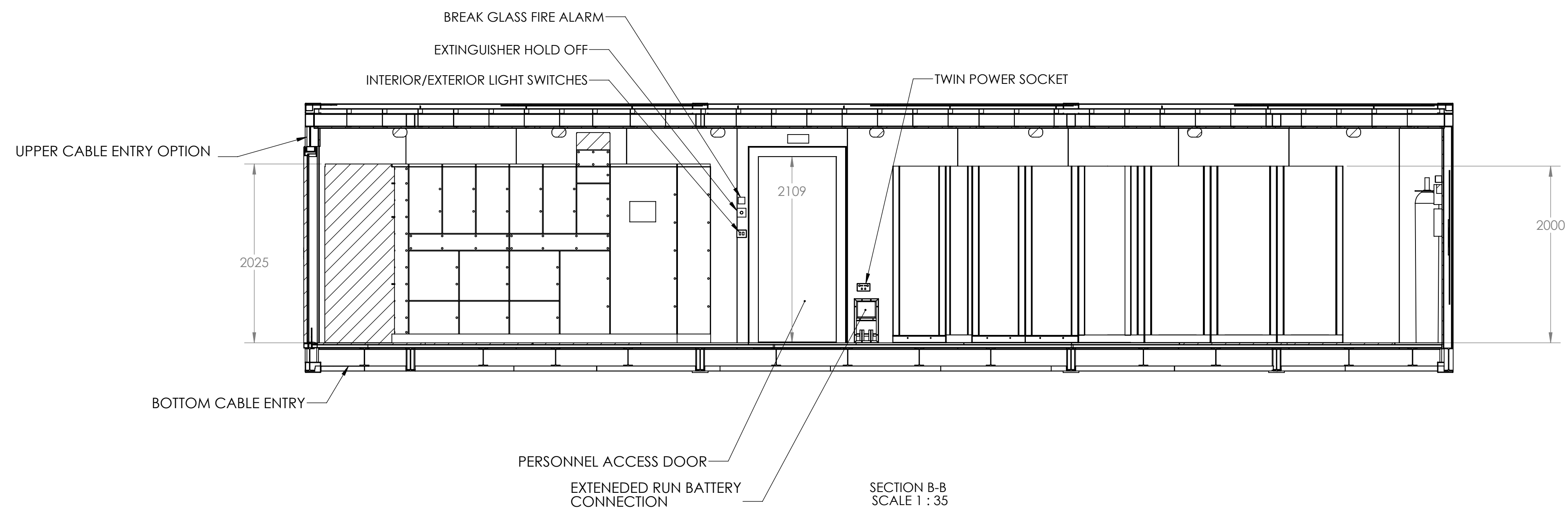
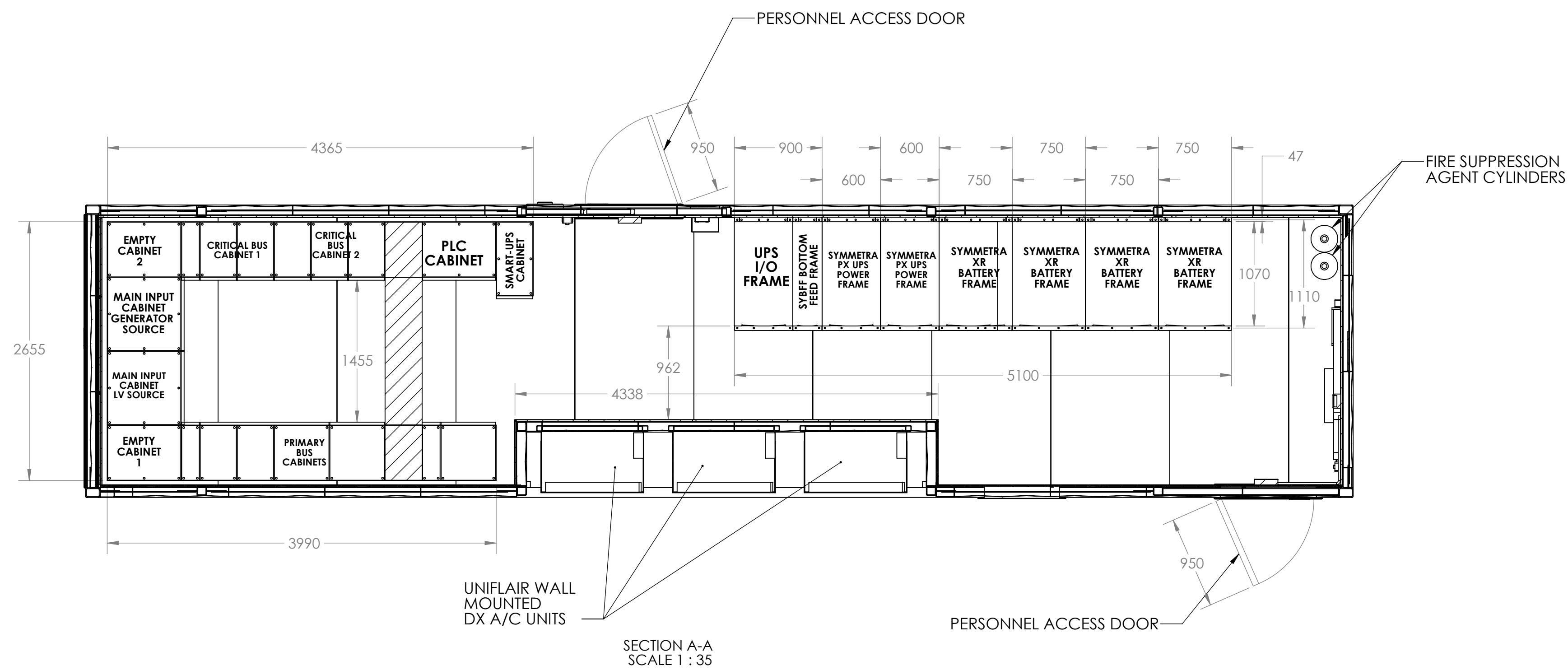
FRONT ELEVATION



BOTTOM VIEW



SECTION D-D



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE
TOP LEVEL MECHANICAL LAYOUT

DWG NO.	PFMPE0500EB	REV.	02
ENGINEER	L. PERRY	DATE	5/20/2013
DRAWN	L. PERRY	DATE	5/20/2013
APPROVED	L. PERRY	DATE	5/20/2013

POWER MODULE 500KW EMEA SHEET 3 OF 3