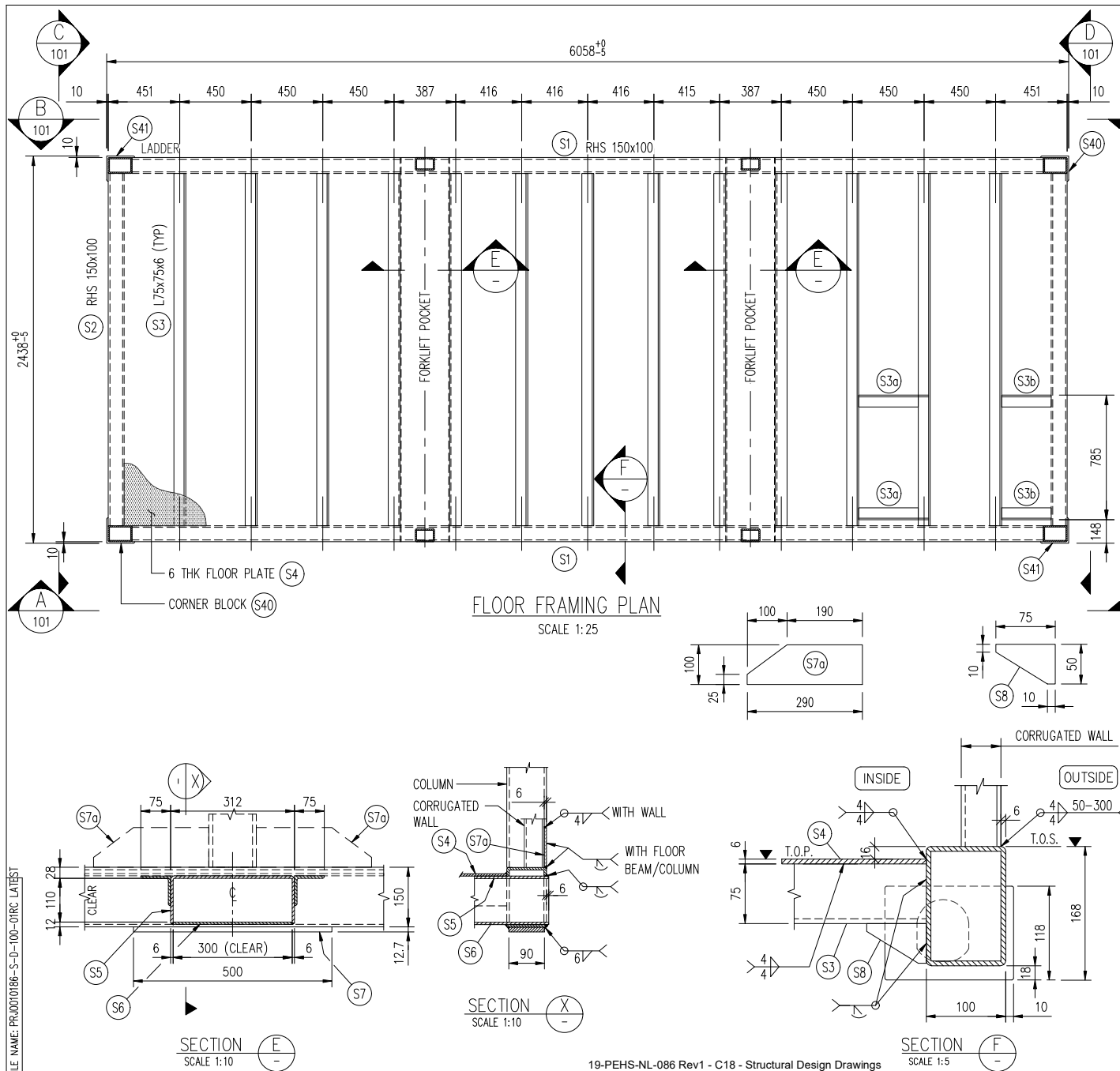




NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED. IF IN DOUBT ASK.
2. PRIMARY STRUCTURE STEEL, CORNER CASTING STEEL & LIFTING PADEYE STEEL SHALL CONFORM TO DNV CN 2.7-1 CLAUSE 3.6.1 (TENSILE & CHARTY IMPACT TESTING).
3. WELDING TO BE AS PER AWS D 1.1.
4. GENERAL TOLERANCE ON PRIMARY STRUCTURE IS $\pm 5\text{mm}$.
5. ALL PRIMARY STRUCTURES (RHS & SHS), INCLUDING LIFTING PAD-EYES, DECK STIFFENERS & CORNER CASTING SHALL BE FULL PENETRATION WELDED.
6. ALL SECONDARY STRUCTURES (CORRUGATED PLATES AND SUPPORTS) ARE MIG WELD.
7. N.D.T. - ALL WELDS : 100% VISUAL.
CORNER CASTING AND LIFTING PAD EYE ATTACHMENT WELDS: 100% MPI
ALL PRIMARY NON-REDUNDANT STRUCTURAL WELDS : 100% MPI
8. ALL PENETRATION SLEEVES TO BE FULL WELDED OUTSIDE & STITCH WELDED INSIDE.
9. ENSURE THAT ALL INSTALLATION SHALL BE INSIDE THE CONTAINER LIMITS.
10. EARTH BOSS TO BE WELDED LENGTH SIDE DIAGONALLY IN RECESS PART OF WALL.
11. CONTAINER EXTERNAL MARKINGS TO COMPLY DNV 2.7-1.
12. TOTAL ESTIMATED WEIGHT OF THE CABIN INCLUDED FILLED TANK IS 11,000 kgs.

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
649353-P-A2809-C18-000002	STRUCTURAL EXTERNAL FRAMING ELEVATIONS
649353-P-A2809-C02-000001	CORRUGATION PROFILE DETAILS
649353-P-A2809-C18-000003	STRUCTURAL BILL OF MATERIAL
649353-P-A2809-A32-000001	WELDING PROCEDURE & WELDER QUALIFICATION RECORDS

STRUCTURAL DESIGN:

RATING (MAX) : 9,500 kg
TARE MASS : 9,000 kg
PAY LOAD : 500 kg
DESIGN TEMPERATURE : -20°C

LOAD TEST DETAILS (DNV 2.7-1):

4 POINT LIFTING : 23,750 Kg

DNV TYPE APPROVAL No.-TAS00002B7

REVISION NOTES:

1. UPDATED AS CLIENT COMMENT.

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK



DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS					
REV	DESCRIPTION	BY	CHKD	APPVD	DATE
C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	31.MAY.20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09.APR.20
A	ISSUED FOR IDC	BBT	RB	KM	09.DEC.19

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Fax : + 971 4 8164501
spicser-ve@spicser-ve.com



SPECIALIST SERVICES REDGUARD

JOB DESCRIPTION : 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DRAWING TITLE : STRUCTURAL FLOOR & ROOF
FRAMING PLAN & DETAILS

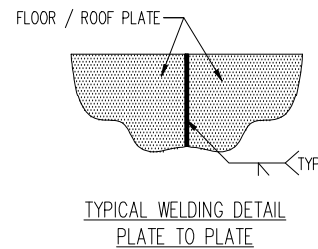
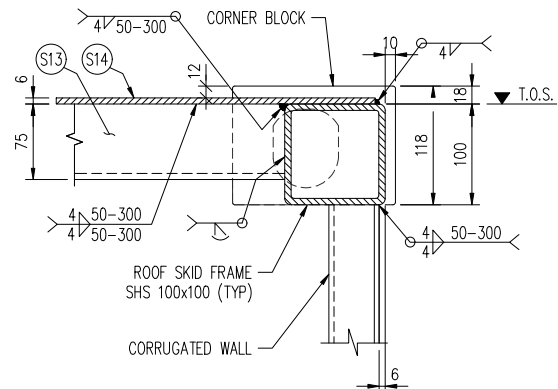
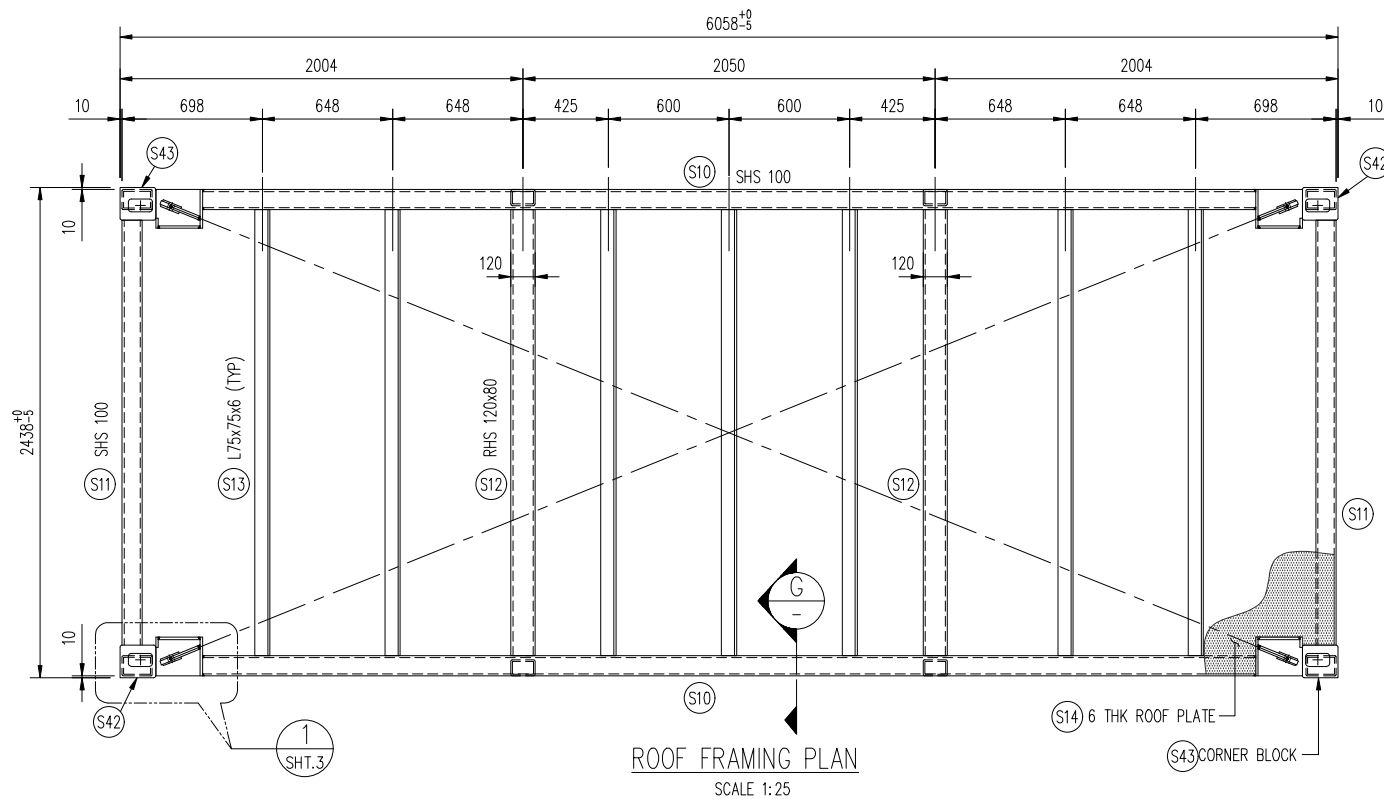
JOB NO. PRJ0010168	DRAWING NO. PRJ0010186-S-D-100	Sht. No. 1/3	REV. C	SCALE @ A3 1:25
CLIENT DOCUMENT NO. :		649353-P-A2809-C18-000001		

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SECTION F
SCALE 1:5

SECTION X
SCALE 1:10

SECTION E
SCALE 1:10



NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.
2. FOR GENERAL NOTES & SPECIFICATION REFER SHEET-1.

REVISION NOTES:

1. UPDATED AS CLIENT COMMENT.

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
649353-P-A2809-C18-000002	STRUCTURAL EXTERNAL FRAMING ELEVATIONS
649353-P-A2809-C18-000003	STRUCTURAL BILL OF MATERIAL
649353-P-A2809-A32-000001	WELDING PROCEDURE & WELDER QUALIFICATION RECORDS

SLING DETAILS: REFER SHT.3

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK

DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

REV	DESCRIPTION	BY	CHKD.	APPVD	DATE
C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	31.MAY.20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09.APR.20
A	ISSUED FOR IDC	BBT	RB	KM	09.DEC.19

CLIENT

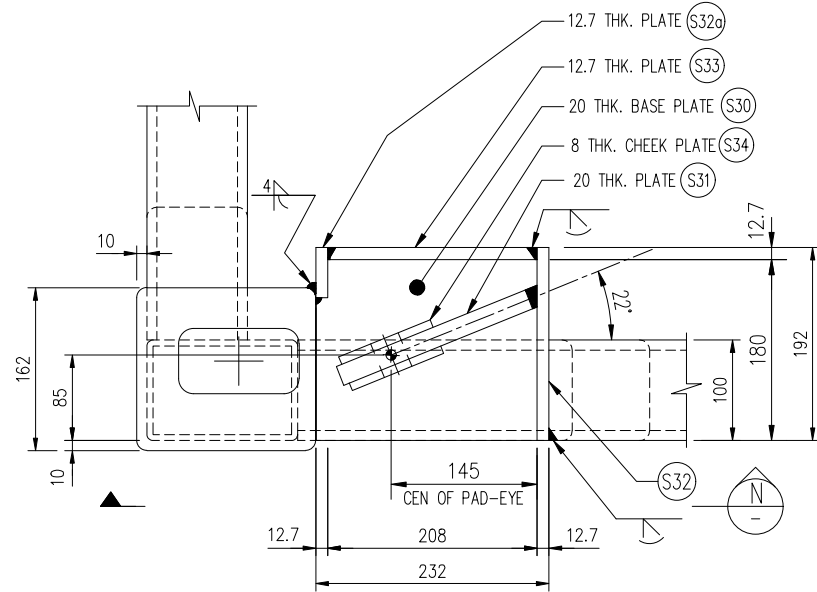
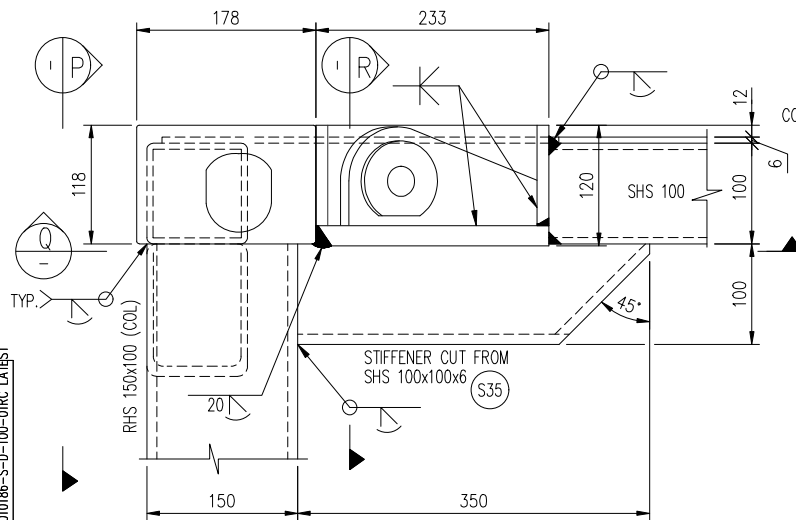
PENNECON

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Fax + 971 4 8164501
spcserv-ve@specialist-ve.comSPECIALIST
SERVICES
REDGUARDJOB DESCRIPTION 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSCDRAWING TITLE STRUCTURAL FLOOR & ROOF
FRAMING PLAN & DETAILS

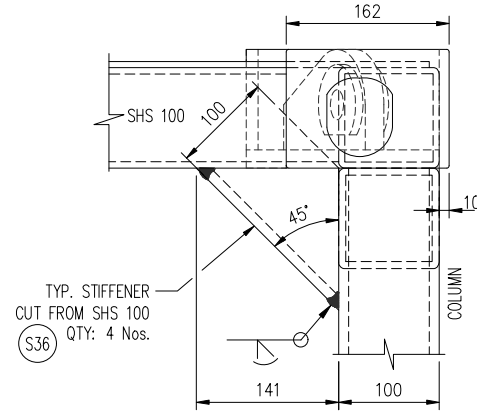
JOB NO.	DRAWING NO.	Sht. No.	REV	SCALE
PRJ0010168	PRJ0010186-S-D-100	2/3	C	1:25

CLIENT DOCUMENT NO. : 649353-P-A2809-C18-000001

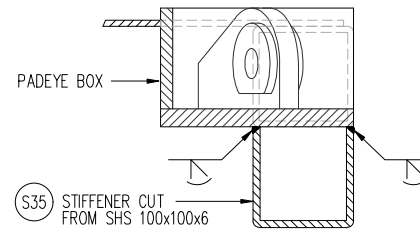
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DETAIL 1
SHT.2

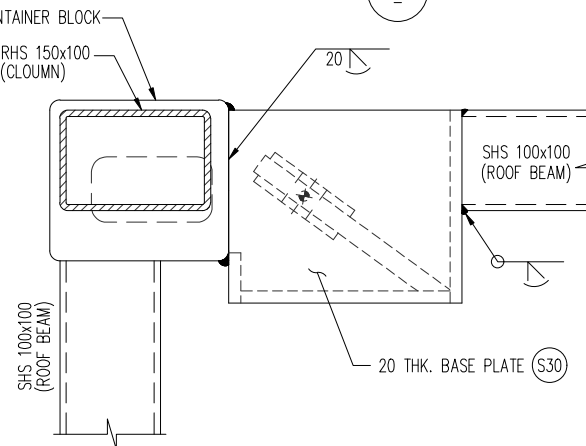
VIEW N



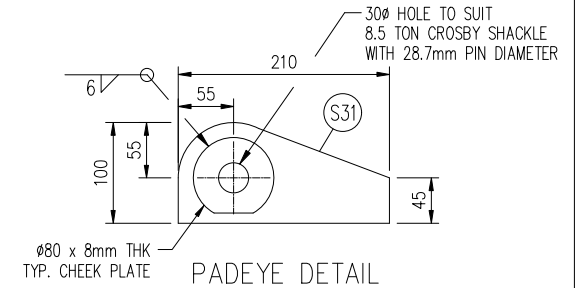
VIEW P



SECTION R



VIEW Q



PADEYE DETAIL

NOTES:

- ALL DIMENSIONS ARE IN mm U.N.O.
- FOR GENERAL NOTES & SPECIFICATION REFER SHEET-1.

LIFTING SET DETAILS

SLING TYPE	4-LEGGED STEEL CORED WIRE ROPE SLING BASED ON EN 13414-1
SLING DIA.	26 mm
SLING LENGTH	4825 mm
SLING ANGLE (MAX)	45° FROM VERTICAL
SHACKLE TYPE	8.5 TON BOLT TYPE BOW SHACKLE

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
649353-P-A2809-C18-000002	STRUCTURAL EXTERNAL FRAMING ELEVATIONS
649353-P-A2809-C18-000003	STRUCTURAL BILL OF MATERIAL
649353-P-A2809-A32-000001	WELDING PROCEDURE & WELDER QUALIFICATION RECORDS

REVISION NOTES:

- UPDATED AS CLIENT COMMENT.

UNIT TAG Nos.
10186-1

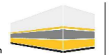
IF IN DOUBT ASK

DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

REV	DESCRIPTION	BY	CHKD	APPVD	DATE
C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	31.MAY.20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09.APR.20
A	ISSUED FOR IDC	BBT	RB	KM	09.DEC.19

CLIENT

PENNECON

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Fax + 971 4 8164501
specserve@specserve.comSPECIALIST
SERVICES
REDGUARD

JOB DESCRIPTION

20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

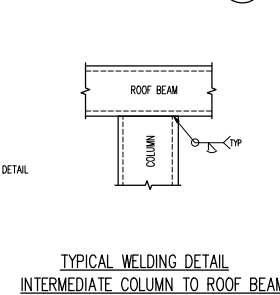
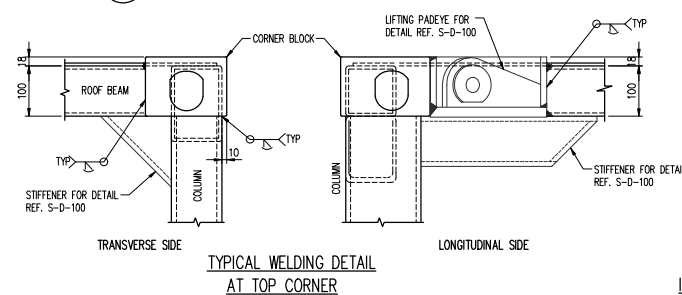
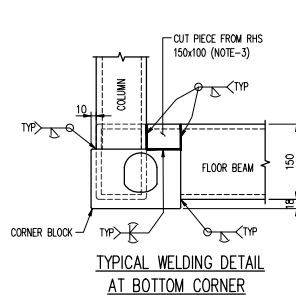
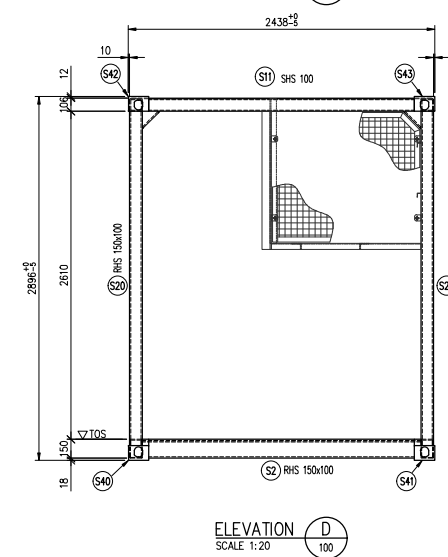
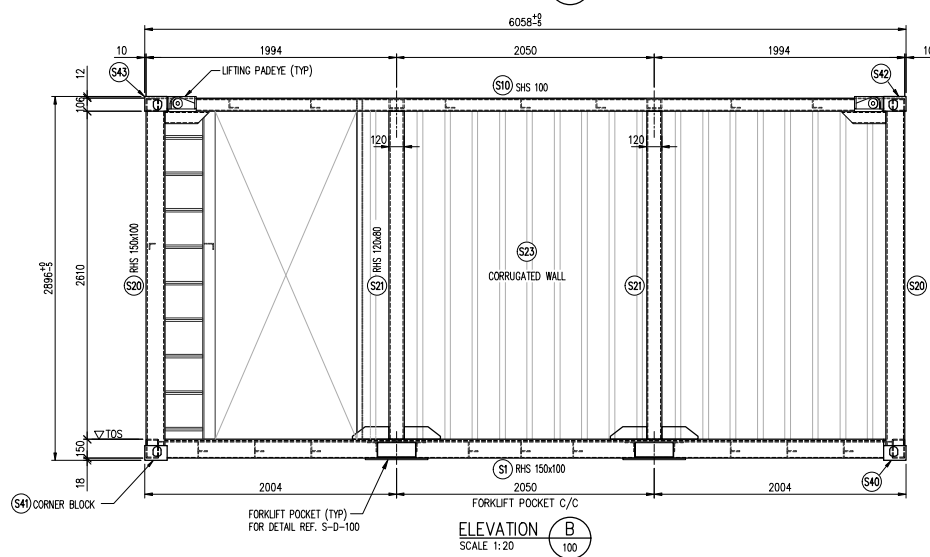
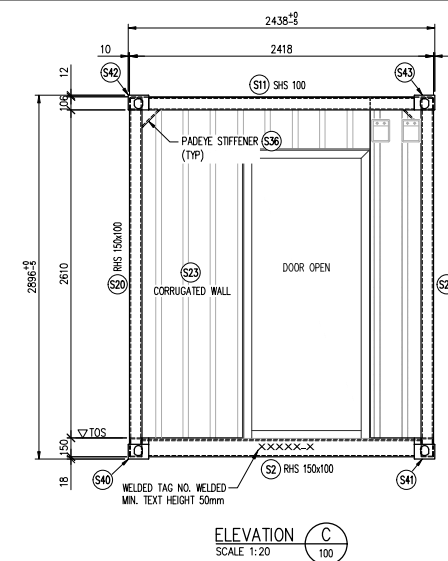
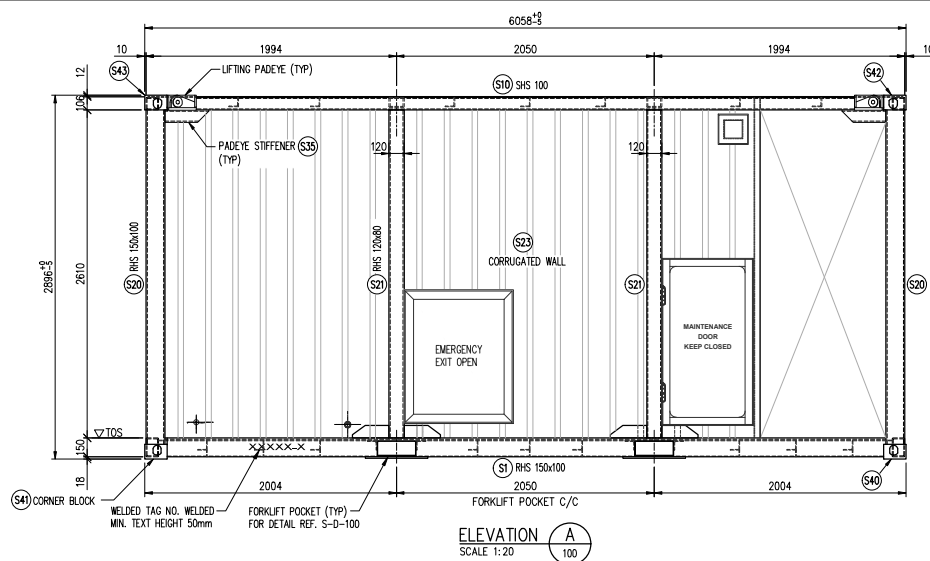
DRAWING TITLE

STRUCTURAL FLOOR & ROOF
FRAMING PLAN & DETAILS

JOB NO.	DRAWING NO.	Sht. No.	REV.	SCALE
PRJ0010168	PRJ0010186-S-D-100	3/3	C	1:25

CLIENT DOCUMENT NO.: 649353-P-A2809-C18-000001

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NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.
2. FOR GENERAL NOTES & SPECIFICATION REFER S-D-100.
3. CUT PIECE SHALL BE FULL PENETRATION WELD AFTER FINAL ASSEMBLY & WELDING OF PRIMARY MEMBERS (CORNER COLUMN, BEAM & CORNER BLOCK)
4. SHOWN CUTOUT & PENETRATIONS ARE INDICATIVE ONLY, FOR DETAIL & FINAL LOCATION REFER SEPARATE DRAWING.

LEGEND : F.F.L - FINISHED FLOOR LEVEL
B.O.S - BOTTOM OF STEEL
T.O.P - TOP OF PLATE
T.O.S - TOP OF STEEL

REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
649353-P-A2809-C02-000001	CORRUIGATION PROFILE DETAILS
649353-P-A2809-C18-000003	STRUCTURAL BILL OF MATERIAL



19-PEHS-NL-086 Rev1 - C18 - Structural Design Drawings

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK

0 10 20 30 40 50 mm
SCALE 1:1
DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

B	ISSUED FOR APPROVAL	BRV	RB	KM	09 APR 20
A	ISSUED FOR IDC	BBT	RB	KM	09 DEC 19
REV.	DESCRIPTION	DRN	CHKD	APPRD	DATE

CLIENT: PENNECON

SPECIALIST SERVICES	P.O. BOX 3782 DUBAI, U.A.E. Tel + 971 4 8164500 Fax + 971 4 8164501 specserve@specserve.com	SPECIALIST SERVICES REDGUARD
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JOB DESCRIPTION: 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DRG. TITLE: STRUCTURAL FRAMING ELEVATIONS

JOB NO. PRJ0010186	DWG. NO. PRJ0010186-S-D-101	SHT OF SHT 1/1	REV. B	SCALE @ A1 1:20
CLIENT DOCUMENT NO.: 649353-P-A2809-C18-000002				

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BILL OF MATERIAL (FOR ONE UNIT ONLY)

ITEM NO.	DESCRIPTION	WEIGHT/UNIT	UNIT SIZE IN mm			QTY	TOTAL SIZE		TOTAL WEIGHT	MATERIAL	REMARKS
			WIDTH	LENGTH	HEIGHT						
	FLOOR FRAMING										
P	S1 RHS 150x100x6 thk	22.1 Kg/m	-	5738	-	2	11.46	m	253.62	S355 J2H	Floor Skid
P	S2 RHS 150x100x6 thk	22.1 Kg/m	-	2218	-	2	4.44	m	98.04	S355 J2H	Floor Skid
P	S3 L 75x75x6 thk	6.85 Kg/m	-	2218	-	13	28.83	m	197.51	S275 J2	Floor Stiff
P	S3a L 75x75x6 thk	6.85 Kg/m	-	444	-	2	0.89	m	6.08	S275 J2	Floor Stiff
P	S3b L 75x75x6 thk	6.85 Kg/m	-	313	-	2	0.63	m	4.29	S275 J2	Floor Stiff
P	S4 Plate 6mm t+k	47.1 Kg/m²	2218	5838	-	1	12.95	m²	609.88	S355 J2	Floor Plate
P	S5 Plate 6mm t+k	47.1 Kg/m²	530	2430	-	2	2.58	m²	121.32	S355 J2	Forklift Pocket
P	S6 Plate 6mm t+k	47.1 Kg/m²	300	2430	-	2	1.46	m²	68.67	S355 J2	Forklift Pocket
P	S7 Plate 12.7mm thk	98.7 Kg/m²	90	500	-	4	0.18	m²	17.95	API 2H Gr 50	Base plate
P	S7a Plate 6mm t+k	47.1 Kg/m²	100	290	-	8	0.23	m²	10.93	S355 J2	Top Stiff Forklift Pocket
P	S8 Plate 6mm t+k	47.1 Kg/m²	50	75	-	18	0.07	m²	3.18	S355 J2	Floor Angle Stiff
	ROOF FRAMING										
P	S10 SHS 100x100x6 thk	17.4 Kg/m	-	5238	-	2	10.46	m	182.28	S355 J2H	Roof Skid
P	S11 SHS 100x100x6 thk	17.4 Kg/m	-	2114	-	2	4.23	m	73.57	S355 J2H	Roof Skid
P	S12 RHS 120x80x10 thk	27.4 Kg/m	-	2218	-	2	4.44	m	121.55	S355 J2H	Roof Transverse
	S13 L 75x75x6 thk	6.85 Kg/m	-	2218	-	7	15.53	m	106.35	ASTM A36	Roof Stiffener
	S14 Plate 6mm t+k	47.1 Kg/m²	2398	6018	-	1	14.43	m²	679.71	ASTM A36	Roof Plate
	ELEVATION FRAMING										
P	S20 RHS 150x100x8 thk	28.3 Kg/m	-	2660	-	4	10.64	m	307.50	S355 J2H	Corner Column
P	S21 RHS 120x80x10 thk	27.4 Kg/m	-	2610	-	4	10.44	m	286.06	S355 J2H	Int Column
	S23 Plate 5mm t+k	39.25 Kg/m²	2000	6000	-	5	60.00	m²	2355.00	ASTM A36	Corru. Wall
	LIFTING PAD-EYE (PRIMARY STEEL)										
P	S30 Plate 20mm thk	157 Kg/m²	152	232	-	4	0.18	m²	27.97	S355G8+M	Base Plate
P	S31 Plate 20mm thk	157 Kg/m²	100	210	-	4	0.08	m²	13.19	S355G8+M	Pad-Eye
P	S32 Plate 12.7mm thk	98.7 Kg/m²	100	192	-	4	0.08	m²	7.66	API 2H Gr 50	Side plate
P	S32a Plate 12.7mm thk	98.7 Kg/m²	100	50	-	4	0.02	m²	1.99	API 2H Gr 50	Side plate
P	S33 Plate 12.7mm thk	98.7 Kg/m²	100	219	-	4	0.09	m²	8.73	API 2H Gr 50	Side plate
P	S34 Plate 8mm t+k	62.3 Kg/m²	80	80	-	8	0.05	m²	3.22	S355 J2	Cheek plate
P	S35 SHS 100x100x6 thk	17.4 Kg/m	-	350	-	4	1.40	m	24.36	S355 J2H	Stiffener
P	S36 SHS 100x100x6 thk	17.4 Kg/m	-	200	-	4	0.80	m	13.92	S355 J2H	Stiffener
	ISO CONTAINER CORNER CASTING (PRIMARY STEEL)										
P	S40 Corner Casting BL for ISO Container MS/Primed -40°C, Bottom Left	10.5 Kg/Pz				2			21.20	CAST STEEL	
P	S41 Corner Casting BR for ISO Container MS/Primed -40°C, Bottom Right	10.5 Kg/Pz				2			21.20	CAST STEEL	
P	S42 Corner Casting TL for ISO Container MS/Primed -40°C, Top Left	10.5 Kg/Pz				2			21.20	CAST STEEL	
P	S43 Corner Casting TR for ISO Container MS/Primed -40°C, Top Right	10.5 Kg/Pz				2			21.20	CAST STEEL	
'P' = PRIMARY MEMBER					TOTAL WEIGHT IN Kgs.			5689.32			

NOTES:

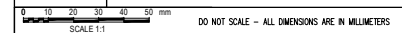
1. BILL OF MATERIAL FOR ONE UNIT ONLY.

REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
649353-P-A2809-C18-000002	STRUCTURAL FRAMING ELEVATIONS

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK



B	ISSUED FOR APPROVAL	BRV	RB	KM	07 APR 20
A	ISSUED FOR IDC	BBT	RB	KM	09 DEC 19

REV.	DESCRIPTION	DRN	CHKD.	APPRD.	DATE
CLIENT: PENNECON					

SPECIALIST SERVICES	P.O. BOX 3752 DUBAI, U.A.E. Tel: + 971 4 8164500 Fax: + 971 4 8164501 specserve@specserve.com	SPECIALIST SERVICES REDGUARD
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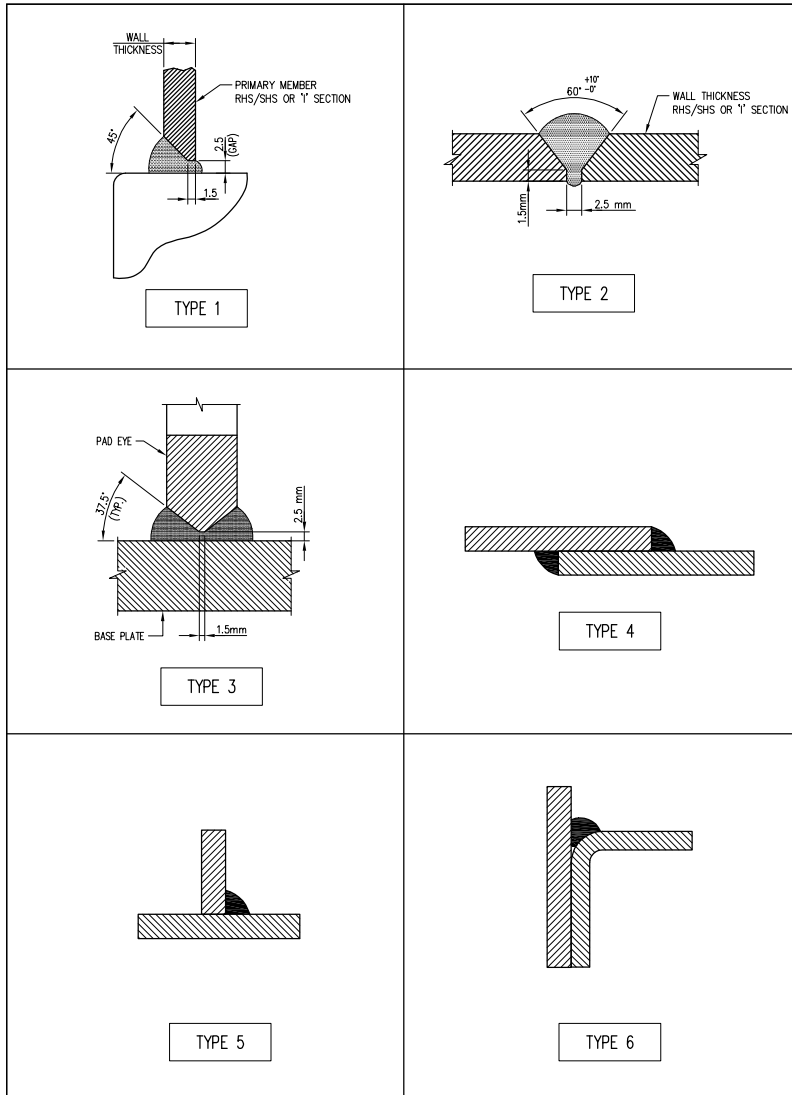
JOB DESCRIPTION: 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DWG. TITLE: STRUCTURAL BILL OF MATERIALS

JOB NO.	DWG. NO.	SHT OF SHT	REV.	SCALE
PRJ0010186	PRJ0010186-S-M-100	1/1	B	1:20

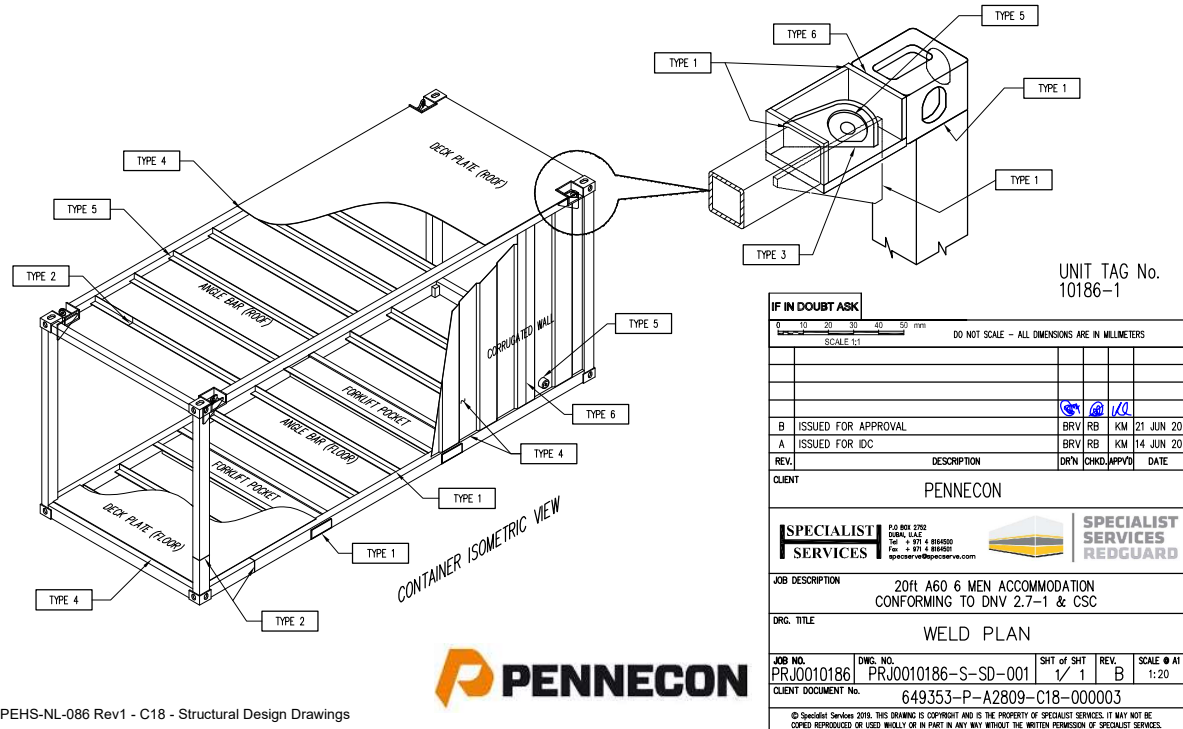
CLIENT DOCUMENT NO.: 649353-P-A2809-C18-000003

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**LEGEND:**

MDMT: MINIMUM DESIGN METAL TEMPERATURE
WPS: WELDING PROCEDURE SPECIFICATION
F: FLAT
H: HORIZONTAL
V: VERTICAL
CS: CARBON STEEL
SS: STAINLESS STEEL
OH: OVER HEAD
FCAW: FLUX CORE ARC WELDING
SMAW: SHIELDED METAL ARC WELDING
GMAW-S: GAS METAL ARC WELDING – SHORT CIRCUITING

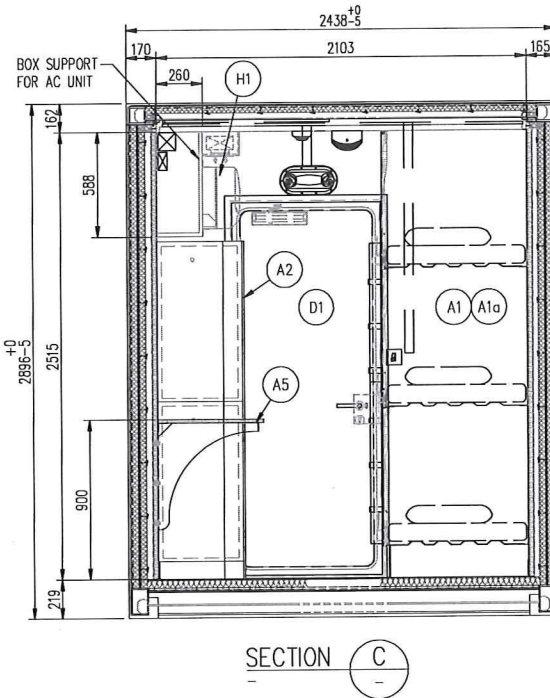
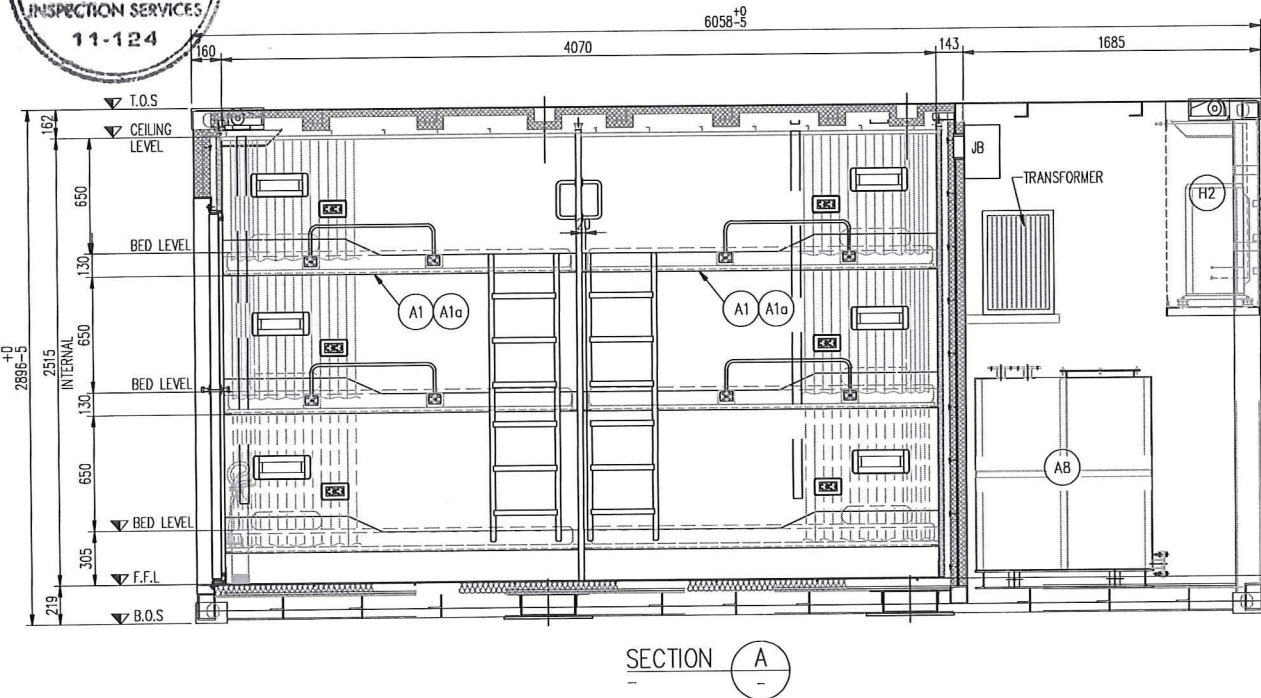
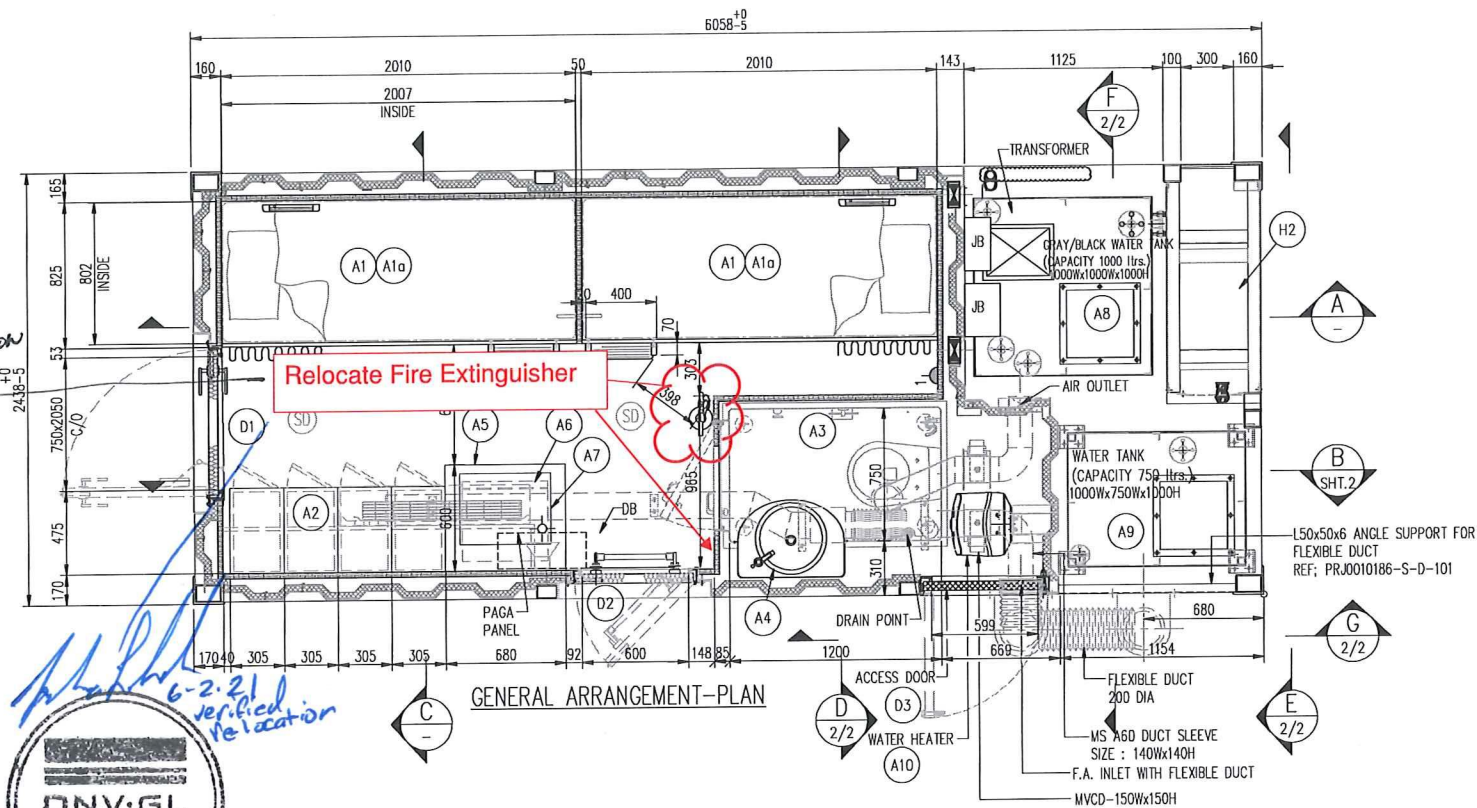
Sl No	Joint Description	Joint type	Material	Thickness Range	MDMT (°C)	Min. Impact value	Process	Welding Positions	WPS No.
1	Corner block/casting to primary sections	Type 1	S355 J2H TO ISO 1161	6mm - 12mm	-20	27 J	SMAW + FCAW	F, H, V, OH	SS-GR-150 Rev 0
2	Corner block/casting to pad eye side plate	Type 6	API 2H Gr50 TO API 2H Gr50	10mm - 20mm	-20	27 J	SMAW	F, H, V, OH	SS-PRJ009267-07 Rev 1
3	Hollow section to hollow section (Primary)	Type 2	S355 J2H TO S355 J2H	3mm - 10mm	-20	27 J	SMAW	All	SS-PRJ008650-06 Rev 0
4	Hollow section to primary non-redundant members (Angles/Stiffeners)	Type 1	S355 J2H, S355 K2/S355 G3, S275 JR, A36, API 5L X52, Group I, II or equiv and combinations	6mm - 12mm 3mm - 16mm	-20	27 J	SMAW GMAW-S	All F, H, V, OH	SS-PRJ008650-26 Rev 0 SS-GR-100 Rev 2
5	Pad eye to base plate weld	Type 3	API 2H Gr50 TO S355G3	16mm - Unlimited	-20	27 J	SMAW	F, H, V, OH	SS-9692-01 Rev 1
6	Corrugated sheet/Deck plate to hollow section	Type 5 & 6	ASTM A36, Group I, II or equiv and combinations	All	NA	NA	GMAW-S	Fillet All	SS-PRJ009344-01 Rev 1
7	Earth boss to corrugated sheet	Type 5	ASTM A36, Group I, II or equiv to SS 316L	1.5mm - 14.22mm	NA	NA	SMAW	All	SS-GR-87 Rev 3
8	Secondary angle, cheek plates and auxiliary members	Type 5	ASTM A36, Group I, II or equiv and combinations	3mm - 16mm	NA	NA	GMAW-S	All	SS-GR-100 Rev 2
9	Corrugated sheet to corrugated sheet	Type 4	ASTM A36 TO ASTM A36	3mm - 9.4mm	NA	NA	GMAW-S	All	SS-GR-163 Rev 1



19-PEHS-NL-086 Rev1 - C18 - Structural Design Drawings

IF IN DOUBT ASK			
0 10 20 30 40 50 mm			
SCALE 1:1			
DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS			
B ISSUED FOR APPROVAL A ISSUED FOR IDC REV. DESCRIPTION CLIENT BRV RB KM 21 JUN 20 BRV RB KM 14 JUN 20 DRN CHKD APPVD DATE			
PENNECON			
SPECIALIST SERVICES P.O. BOX 2702 10000 LAKE Tel: + 971 4 884888 Fax: + 971 4 884888 spccs@redguard.com SPECIALIST SERVICES REDGUARD			
JOB DESCRIPTION 20ft A60 6 MEN ACCOMMODATION CONFORMING TO DNV 2.7-1 & CSC			
DRG. TITLE WELD PLAN			
JOB NO.	DRG. NO.	SHT OF SHT	REV.
PRJ0010186	PRJ0010186-S-SD-001	1	B
CLIENT DOCUMENT No. 649353-P-A2809-C18-000003			
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Verified relocation
02/02/2021
Dennis Shih



A60 CONSTRUCTION:

- 1. BULK-HEAD MIN. 4.7mm THK. PROFILED STEEL PLATE INSULATED ON ONE SIDE WITH ONE LAYER OF FLYREWRAP INSULATION WITH ALUMINIUM FOIL, 38mm THK. x 95 kg/cbm.
- 2. DECK (FLOOR) DECK PLATE 6mm THK. MS, INSULATED WITH FLOATING FLOOR INSULATION SEAROX SL436, 60mm THK. x 140 kg/cbm. + 4.7mm THK FLOATING PLATE
- 3. DECK (ROOF) MIN. 4.7mm THK. STEEL PLATE WITH STIFFENER INSULATED WITH ONE LAYER OF INSULATION WITH ALUMINIUM FOIL, 38mm THK. x 64 kg/cbm.

FINISHES:

- 1. INTERNAL WALLS : LINING PANEL :B15 PANELS; 30mm THK. PVC/GALV.
- 2. FLOORING : 2 THK. VINYL SHEET WITH PVC SKIRTING - GREY
- 3. CEILING : 0.7 MM G.I. TRAY TYPE CEILING - WHITE

ITEM TAG LIST (FOR ONE UNIT)

ITEM NO.	DESCRIPTION	SIZE LxWxH	QTY.	REMARKS
A1	BUNK BED (3 TIER) WITH F.R. CURTAIN	825x2010	2	
A1a	MATTRESS ORTHOPEDIC 100 THK.	680x1980	6	
A2	STEEL LOCKER 2 TIER	305x480x1800	4	
A3	WC WET UNIT GRP - GLASS REINFORCED PLASTIC MATERIAL : GRP	820x1270x2200	1	
A4	GRP VANITY TOP WITH WASH BASIN	525x500	1	
A5	TABLE	680x600	1	
A6	UNDER DESK FRIDGE	483x451x708	1	BY SSRG
A7	MICROWAVE OVEN	516x397x305	1	BY SSRG
A8	GRAY/BLACK WATER TANK M.S. 1000lts	-	1	
A9	WATER TANK M.S. 750lts	-	1	
A10	WATER HEATER CAPACITY 15lts	-	1	
D1	A60 SINGLE LEAF HINGED DOOR (RH)	750x2050	1	
D2	A60 SINGLE LEAF ESCAPE HATCH (RH)	600x800	1	
D3	A60 SINGLE LEAF ACCESS DOOR (LH)	590x1200	1	
H1	A/C INDOOR UNIT WALL MOUNTED 24000 BTU	-	1	
H2	A/C OUTDOOR UNIT 24000 BTU	-	1	

NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 2. INTERNAL LINING PANEL SHALL HAVE NON-COMBUSTIBLE MATERIAL.
- 3. ALL INTERNAL FIXINGS SHOULD BE OF SS304/A2 & EXTERNAL SHOULD BE SS316/A4 - UNLESS OTHERWISE NOTED.
- 4. ALL FIXING NUT NYLOCK.
- 5. EQUIPMENT SECURED SUITABLY BY BOLTS OR SCREWS TO FRAME/TABLE OR ROOF ANGLE.
- 6. ALL REFRIGERANT PIPING AND CABLES THROUGH FALSE CEILING ONLY.
- 7. FOR ELECTRICAL BILL OF MATERIAL AND EXACT LOCATION REFER ELECTRICAL DRAWING NO. 649353-P-A2809-E01-000001
- 8. ALL ANTILOOSE FASTENERS SHALL BE SS316L & TO BE WELDED TO STRUCTURE.
- 9. DELETED
- 10. DELETED
- 11. PAINT SPECIFICATION AS PER W1-QHSE-012 REV.2
- 12. ALL REMOVABLE PANELS SHALL BE CLEARLY MARKED WITH THEIR PURPOSE AND ALL APPROPRIATE INSTRUCTIONS AND PRECAUTIONS FOR PANEL REMOVAL.
- 13. A/C UNIT SHALL ACHIEVE 5 ACPH

LEGEND:-

- F.F.L - FINISHED FLOOR LEVEL
- T.O.S - TOP OF STEEL
- T.O.P - TOP OF PLATE
- B.O.S - BOTTOM OF STEEL
- (SD) - SMOKE DETECTOR

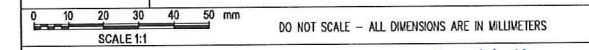
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
649353-P-A2809-C18-000001	STRUCTURAL FLOOR FRAMING PLAN & DETAILS
649353-P-A2809-E01-000001	ELECTRICAL PLAN, ELEVATION & SECTIONS
649353-P-A2809-M19-000001	HVAC PLAN, ELEVATION & SECTIONS



UNIT TAG NO.: 10186-1

IF IN DOUBT ASK



REV.	DESCRIPTION	DRN	CHKD	APPROV	DATE
2	RE-ISSUED FOR CONSTRUCTION	VIP	HPP	KM	14 JAN 21
1	RE-ISSUED FOR CONSTRUCTION	VIP	HPP	KM	13 DEC 20
0	ISSUED FOR CONSTRUCTION	VIP	HPP	KM	10 DEC 20
E	RE-ISSUED FOR APPROVAL	SVP	ARN	KM	27 MAY 20
D	RE-ISSUED FOR APPROVAL	SVP	ARN	KM	06 APR 20
C	RE-ISSUED FOR APPROVAL	RAJ	ARN	KM	24 FEB 20
B	ISSUED FOR APPROVAL	SVP	ARN	KM	09 DEC 19
A	ISSUED FOR IDC	SVP	ARN	KM	02 DEC 19

CLIENT PENNECON

SPECIALIST SERVICES

P.O BOX 2752
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Tel + 971 4 8164500
Fax + 971 4 8164501
specserve@specserve.com

SPECIALIST SERVICES REDGUARD

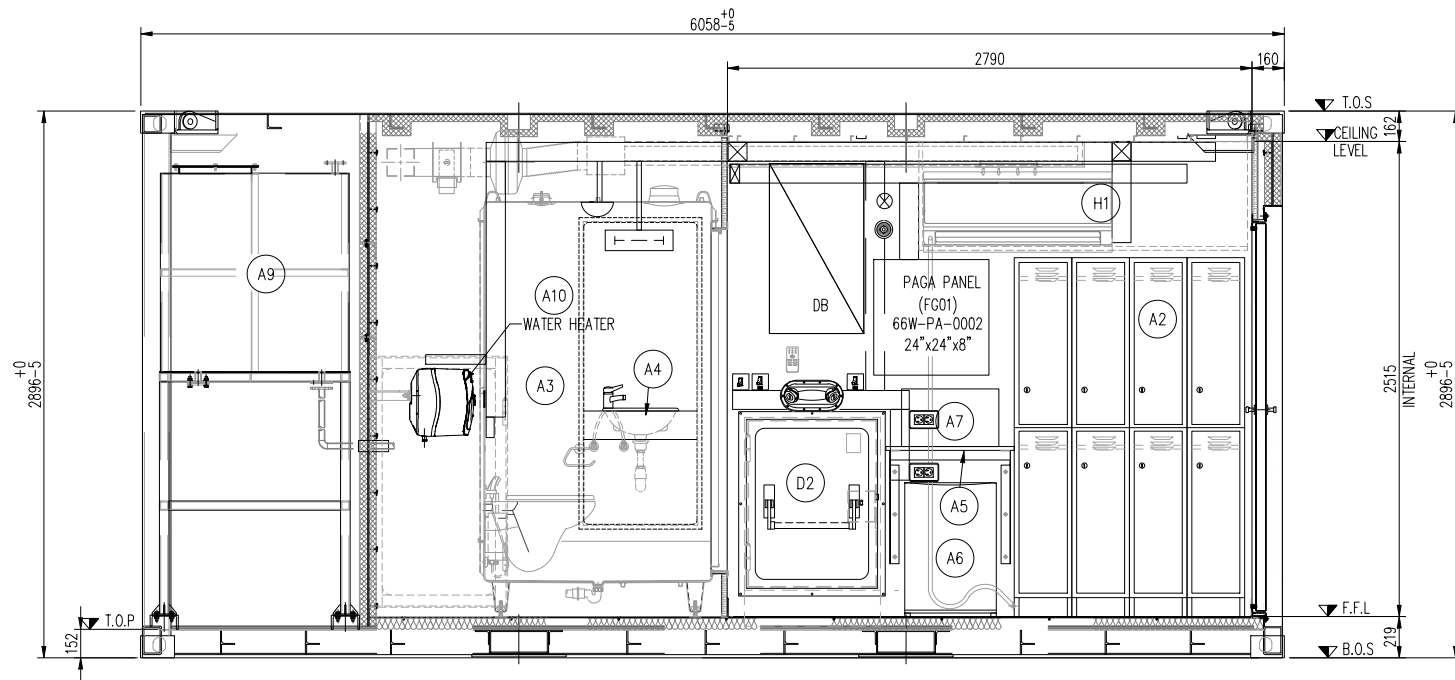
JOB DESCRIPTION 20ft A60 6 MEN ACCOMMODATION DNV 2.7-1 & CSC

DRG. TITLE ARCHITECTURAL GENERAL ARRANGEMENT PLAN & SECTIONS

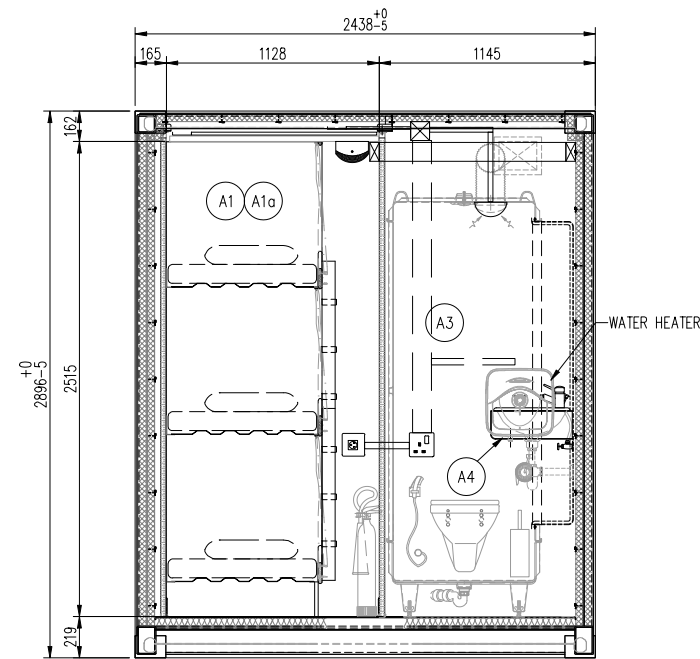
JOB NO. PRJ0010186	DWG. NO. PRJ0010186-A-D-200	SHT OF SHT 1/ 2	REV. 2	SCALE @ A1 1:20
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CLIENT DOCUMENT NO.: 649353-P-A2809-B01-000001

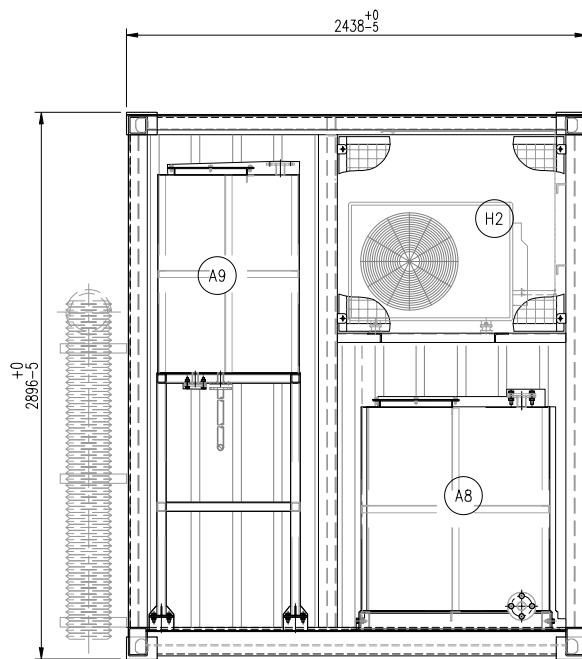
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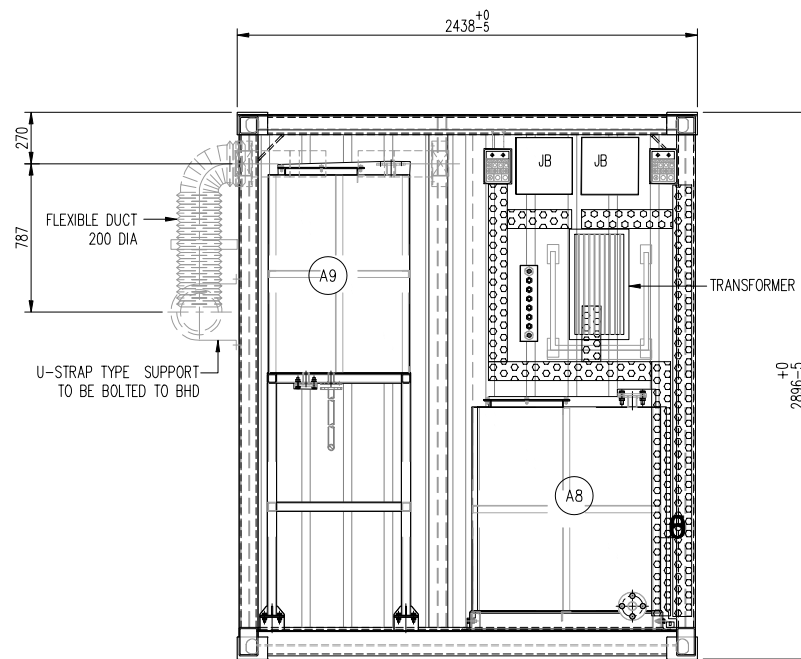
SECTION B
SHT.1



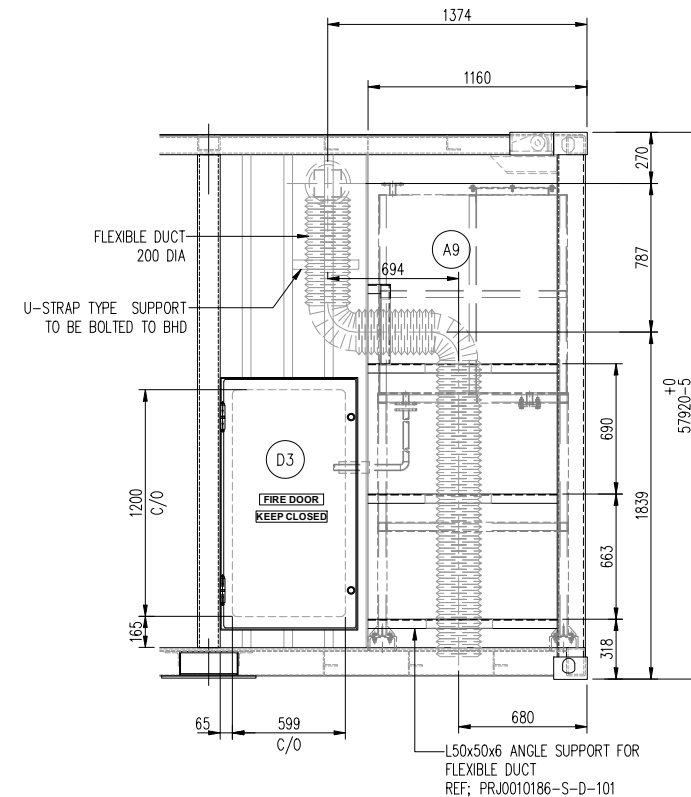
SECTION D
SHT.1



ELEVATION E
SHT.1



SECTION F
SHT.1



ELEVATION G
SHT.1

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND: -
F.F.L - FINISHED FLOOR LEVEL
T.O.S - TOP OF STEEL
T.O.P - TOP OF PLATE
B.O.S - BOTTOM OF STEEL

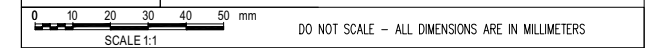
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PRJ0010186-S-D-100	STRUCTURAL FLOOR FRAMING PLAN & DETAILS
PRJ0010186-E-D-300	ELECTRICAL PLAN, ELEVATION & SECTIONS
PRJ0010186-H-D-400	HVAC PLAN, ELEVATION & SECTIONS



UNIT TAG NO.: 10186-1

IF IN DOUBT ASK



2	RE-ISSUED FOR CONSTRUCTION	VIP	HPP	KM	14 JAN 21
1	RE-ISSUED FOR CONSTRUCTION	VIP	HPP	KM	13 DEC 20
0	ISSUED FOR CONSTRUCTION	VIP	HPP	KM	10 DEC 20
E	RE-ISSUED FOR APPROVAL	SVP	ARN	KM	27 MAY 20
D	RE-ISSUED FOR APPROVAL	SVP	ARN	KM	06 APR 20
C	RE-ISSUED FOR APPROVAL	RAJ	ARN	KM	24 FEB 20
B	ISSUED FOR APPROVAL	SVP	ARN	KM	09 DEC 19
A	ISSUED FOR IDC	SVP	ARN	KM	02 DEC 19
REV.	DESCRIPTION	DR'N	CHKD	APPVD	DATE

CLIENT PENNECON

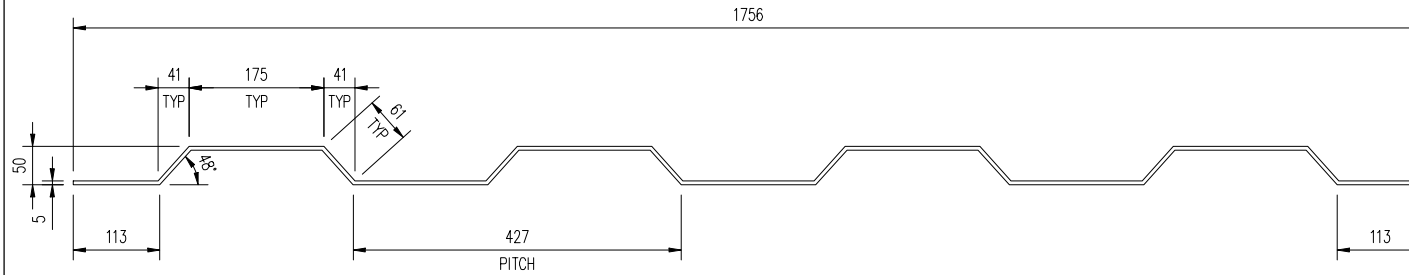
SPECIALIST SERVICES	P.O BOX 2752 DUBAI, U.A.E Tel + 971 4 8164500 Fax + 971 4 8164501 specserve@specserve.com	SPECIALIST SERVICES REDGUARD
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JOB DESCRIPTION	20ft A60 6 MEN ACCOMMODATION DNV 2.7-1 & CSC				
DRG. TITLE	ARCHITECTURAL GENERAL ARRANGEMENT PLAN & SECTIONS				

JOB NO. PRJ0010186	DWG. NO. PRJ0010186-A-D-200	SHT of SHT 2/ 2	REV. 2	SCALE @ A1 1:20
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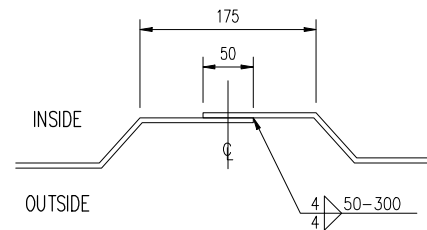
CLIENT DOCUMENT NO. : 649353-P-A2809-B01-000001

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5mm THK CORRUGATED PLATE DETAILS

SCALE 1:5



OVERLAP DETAILS

SCALE 1:5

NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.
2. PROFILE TO BE BENDED FROM 2000mm x 6000mm PLAIN PLATE.



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF PLAN & DETAILS
649353-P-A2809-C18-000002	STRUCTURAL EXTERNAL FRAMING ELEVATIONS

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK

DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

B	ISSUED FOR APPROVAL	BRV	RB	KM	09.APR.20
A	ISSUED FOR IDC	BBT	RB	KM	09.DEC.19
REV	DESCRIPTION	BY	CHKD.	APPVD	DATE

CLIENT

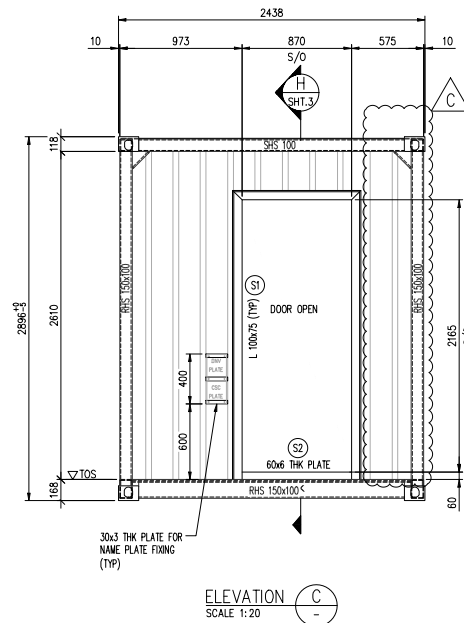
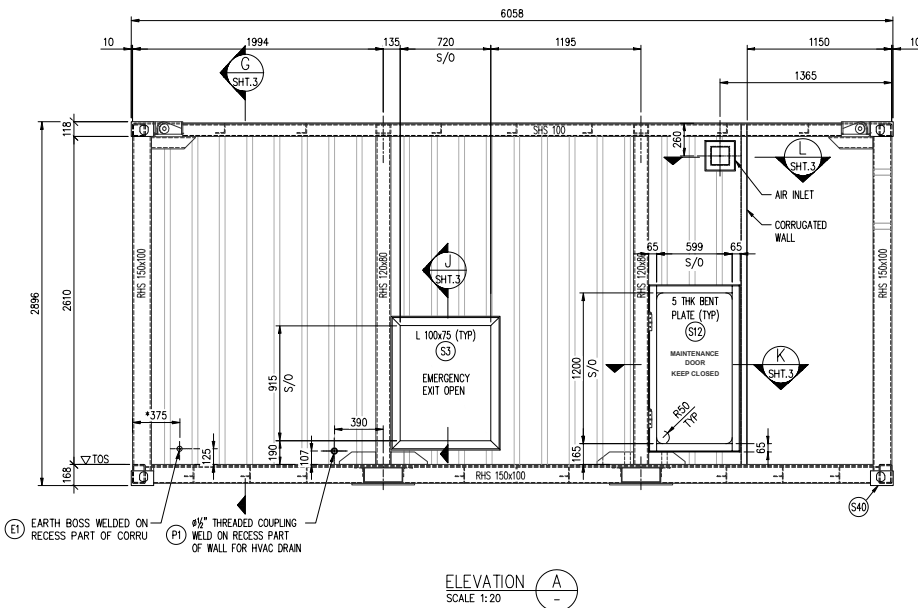
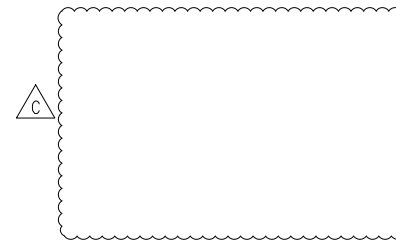
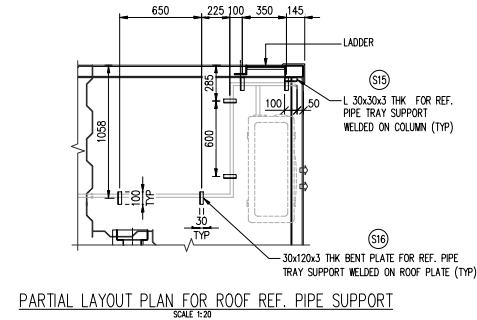
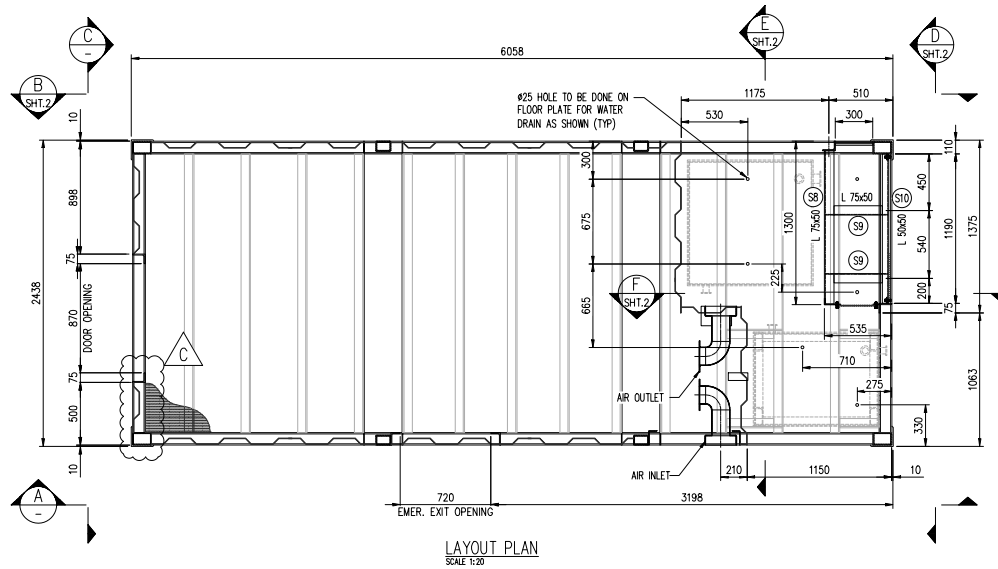
SPECIALIST
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DUBAI, U.A.E
Tel + 971 4 8164500
Fax + 971 4 8164501
spicsserv-ve@spicsserv-ve.comSPECIALIST
SERVICES
REDGUARDJOB DESCRIPTION 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DRAWING TITLE CORRUGATION PROFILE DETAILS

JOB NO. PRJ0010168 DRAWING NO. PRJ0010186-S-D-102 Sht. No. 1/1 REV. B SCALE 1:25

CLIENT DOCUMENT NO. : 649353-P-A2809-C02-000001

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NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.
2. FOR GENERAL NOTES & SPECIFICATION REFER S-D-100.
3. REMOVABLE PANEL DETAILS REFER S-D-106.

LEGEND : T.O.P - TOP OF PLATE
T.O.S - TOP OF STEEL
S/O - STRUCTURAL OPENING



REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
649353-P-A2809-C18-000002	STRUCTURAL FRAMING ELEVATIONS
649353-P-A2809-C02-000001	CORRUGATION PROFILE DETAILS
649353-P-A2809-C02-000004	ELECTRICAL SUPPORTS ON RECESSED WALL
649353-P-A2809-C02-000005	CEILING SUPPORTS DETAILS
649353-P-A2809-C02-000003	WATER TANK & SUPPORT DETAILS

UNIT TAG No.
10186-1

IF IN DOUBT ASK

0 10 20 30 40 50 mm
SCALE 1:1 DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

REV.	DESCRIPTION	DRN	CHKD	APPVD	DATE
C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	09 JUL 20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09 APR 20
A	ISSUED FOR IDC	BBT	RB	KM	09 JAN 20

CLIENT PENNECON

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specserve@specserve.com

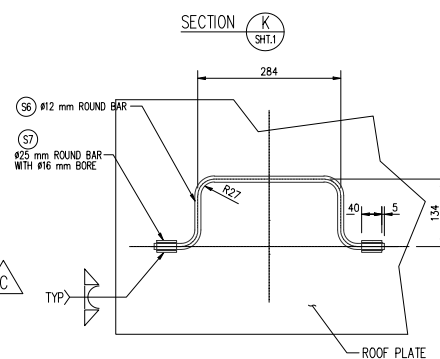
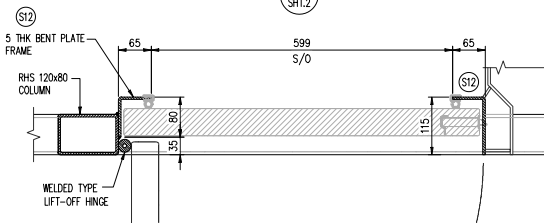
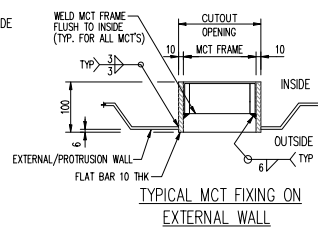
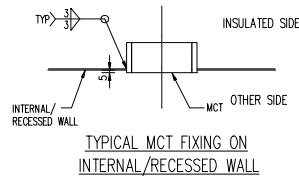
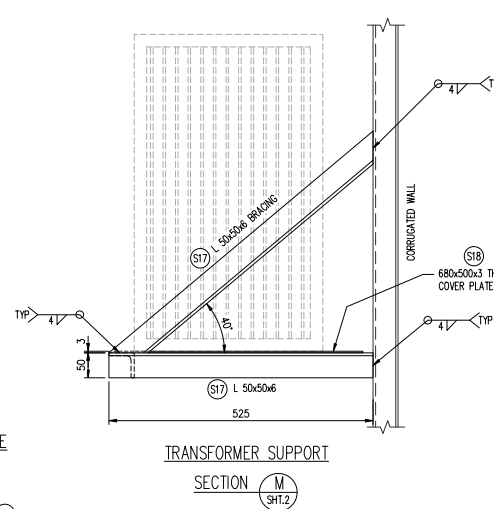
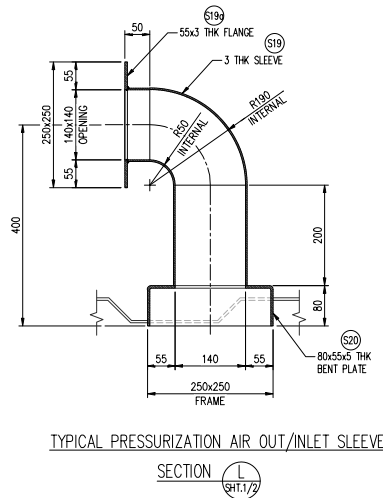
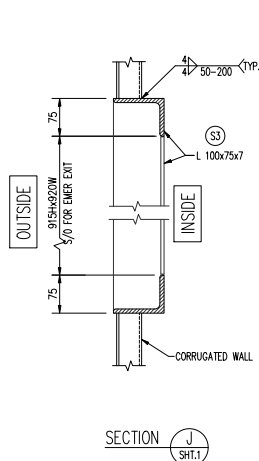
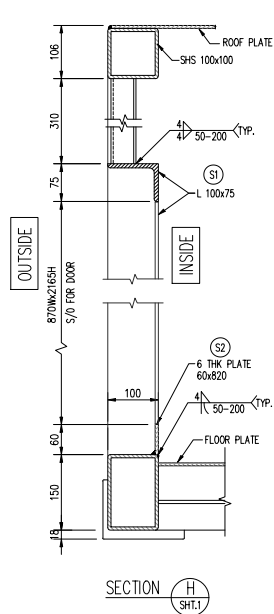
JOB DESCRIPTION 20H A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DWG. TITLE STRUCTURAL OPENING/CUTOUTS ELEVATIONS & DETAILS

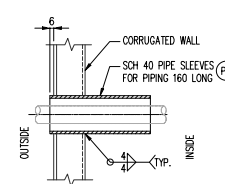
JOB NO.	DWG. NO.	SHT OF SHT	REV.	SCALE
PRJ0010186	PRJ0010186-S-D-103	1/3	C	1:20

CLIENT DOCUMENT NO.: 649353-P-A2809-C02-000001

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PARTIAL PLAN @ GRAB HANDLE



TYPICAL PIPE PENETRATION DETAILS FOR WATER IN/OUTLET

BILL OF MATERIAL (FOR ONE UNIT ONLY)

ITEM NO.	DESCRIPTION	WEIGHT/UNIT	UNIT SIZE IN mm			QTY	TOTAL SIZE	TOTAL WEIGHT	MATERIAL	REMARKS
			WIDTH	LENGTH	HEIGHT					
SECONDARY & SUPPORTS										
S1	Angle 100 x 75 x 7mm thk	10.2 Kg/m		5620	-	1	5.62 m	57.32	ASTM A36	Door Frame
S2	Plate 6mm thk	47.1 Kg/m²	60	870	-	1	0.05 m²	2.46	ASTM A36	Door Frame
S3	Angle 100 x 75 x 7mm thk	10.2 Kg/m	-	3870	-	1	3.87 m	39.47	ASTM A36	Emer exit Frame
S4	Angle 100 x 75 x 7mm thk	10.2 Kg/m	-	2610	-	1	2.61 m	25.62	ASTM A36	Supporting Column
S5	Bar Square 20 x 20mm	3.14 Kg/m	-	300	-	9	24.30 m	73.30	ASTM A36	LADDER RUNGS
S6	Bar Shafing 12mm Dia	0.69 Kg/m	-	673	-	1	0.67 m	0.60	ASTM A36	GRAB HANDLE
S7	Bar Shafing 25mm Dia	3.65 Kg/m	-	40	-	2	0.16 m	0.62	ASTM A36	GRAB HANDLE
S8	Angle 75 x 50 x 6mm thk	5.65 Kg/m	-	1200	-	1	1.20 m	6.78	ASTM A36	Ac support
S9	Angle 75 x 50 x 6mm thk	5.65 Kg/m	-	500	-	2	2.00 m	11.30	ASTM A36	Ac support
S10	Angle 50 x 50 x 6mm thk	4.47 Kg/m	-	1190	-	1	1.19 m	5.32	ASTM A36	Ac support
S11	Angle 75 x 50 x 6mm thk	5.65 Kg/m	-	1150	-	1	1.15 m	6.50	ASTM A36	Ac support
S12	Plate 5mm thk	39.25 Kg/m²	130	4120	-	1	0.74 m²	29.1	ASTM A36	ACCESS DOOR
S15	Angle 30 x 30 x 3mm thk	1.36 Kg/m	-	2630	-	1	2.63 m	3.58	ASTM A36	Tray supp
S16	Plate 3mm thk	23.55 Kg/m²	150	100	-	1	0.02 m²	0.35	ASTM A36	Tray supp
S17	Angle 50 x 50 x 6mm thk	4.47 Kg/m	-	3150	-	1	3.15 m	14.88	ASTM A36	Transformer supp
S18	Plate 3mm thk	23.55 Kg/m²	500	980	-	1	0.34 m²	8.01	ASTM A36	Transformer supp
S19	Plate 3mm thk	23.55 Kg/m²	550	445	-	2	0.50 m²	11.74	ASTM A36	WiacPene sleeve
S19a	Plate 3mm thk	23.55 Kg/m²	55	1000	-	2	0.11 m²	2.59	ASTM A36	WiacPene sleeve
S20	Plate 5mm thk	39.25 Kg/m²	135	1000	-	2	0.27 m²	13.60	ASTM A36	WiacPene sleeve
S21	Wire Mesh GI Dia. 3mm Spacing: 25 x 25mm	12.8 Kg/m²	950	1350	-	1	1.28 m²	13.42	MS GALV	PROTECTION GRILL
S22	Plate 5mm thk	39.25 Kg/m²	40	7060	-	1	0.28 m²	11.88	ASTM A36	PROTECTION GRILL
S23	Flat Bar 50 x 6mm thk	2.35 Kg/m	-	50	-	8	3.20 m	7.52	SS 316L	PROTECTION GRILL
S24	Pin Droplok (Anti Loose) 12mm Dia x 25mm	-	-	-	-	8	-	-	-	PROTECTION GRILL
S25	Angle 100 x 75 x 7mm thk	10.2 Kg/m	-	1100	-	1	1.10 m	11.22	ASTM A36	Ac support
E1	Earth Boss 40mm Dia x 30mm Length	9.64 Kg/m	-	30	-	2	0.12 m	1.18	SS 316L	10 Dia x 30 long
E2	MCT S4, X1, Rodtec / Sweden	3.5 Kg/pc	141	181	60	2	-	7.00	Mild Steel	Multiple cable transit
P1	Coupling SA105(N) THRD NPT Sch 40 Size: 1/2"	-	-	-	-	1	-	-	A105	A/C Drain & F/W in
P2	Pipe GRB, Sch 40 Size: 3 x 2 1/4"	11.29 Kg/m	-	160	-	3	0.48 m	5.42	ERW	Water inlet/Outlet
TOTAL WEIGHT IN Kgs.								373.18		

NOTES:

- ALL DIMENSIONS ARE IN mm U.N.O.
- FOR GENERAL NOTES & SPECIFICATION REFER S-D-100.



REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
649353-P-A2809-C02-000001	CORRUGATION PROFILE DETAILS

UNIT TAG No.
10186-1

IF IN DOUBT ASK

0 10 20 30 40 50 mm
SCALE 1:1 DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	09	AUG	20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09	APR	20
A	ISSUED FOR IDC	BBT	RB	KM	09	JAN	20

REV.	DESCRIPTION	DRN	CHKD	APPVD	DATE
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PENNECON

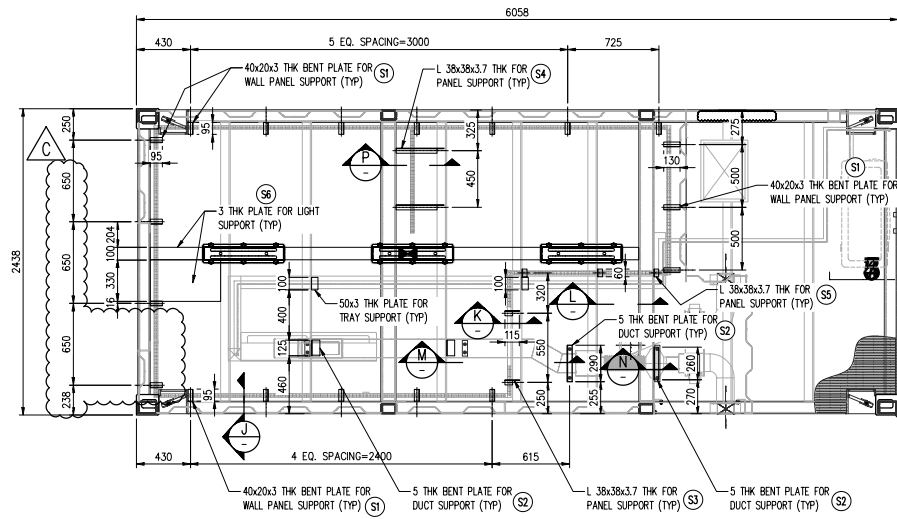
SPECIALIST SERVICES	P.O. BOX 2782 DUBAI, U.A.E. Tel + 971 4 8164500 Fax + 971 4 8164501 specserve@specserve.com	SPECIALIST SERVICES REDGUARD
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JOB DESCRIPTION
20th A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSCDRG. TITLE
STRUCTURAL OPENING/CUTOUTS ELEVATIONS & DETAILS

JOB NO. PRJ0010186 DWG. NO. PRJ0010186-S-D-103 SHT of SHT 3/3 REV. C SCALE @ A1 1:20

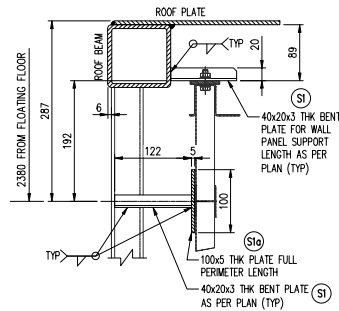
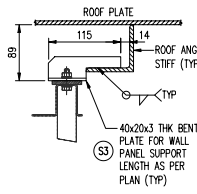
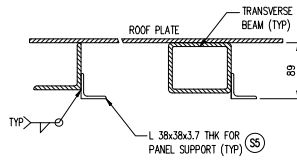
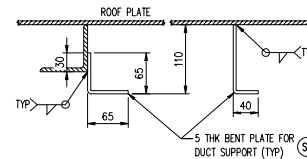
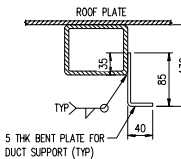
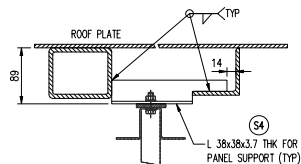
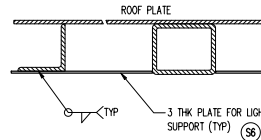
CLIENT DOCUMENT NO.: 649353-P-A2809-C02-000001

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CEILING SUPPORTS LAYOUT AT ROOF PLAN

SCALE 1:20

SECTION J
SCALE 1:4SECTION K
SCALE 1:4SECTION L
SCALE 1:4SECTION M
SCALE 1:4SECTION N
SCALE 1:4SECTION P
SCALE 1:4TYPICAL DETAIL FOR LIGHT SUPPORT
SCALE 1:4

BILL OF MATERIAL (FOR ONE UNIT ONLY)

ITEM NO.	DESCRIPTION	WEIGHT/UNIT	UNIT SIZE IN mm			QTY	TOTAL SIZE	TOTAL WEIGHT	MATERIAL	REMARKS
			WIDTH	LENGTH	HEIGHT					
S1	Plate 3mm thk	23.55 Kg/m ²	60	4445		1	0.27 sqm	6.28	ASTM A36	Wall panel supp
S1a	Plate 5mm thk	39.25 Kg/m ²	100	10400		1	1.04 sqm	40.82	ASTM A36	Wall panel supp
S2	Plate 5mm thk	39.25 Kg/m ²	500	1000		1	0.50 sqm	19.63	ASTM A36	Duct supp
S3	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m		115	-	2	0.23 lm	0.43	ASTM A36	Wall panel supp
S4	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m		385	-	2	0.77 lm	1.42	ASTM A36	Wall panel supp
S5	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m		60	-	3	0.18 lm	0.33	ASTM A36	Wall panel supp
S6	Plate 3mm thk	23.55 Kg/m ²	100	5760		1	0.58 sqm	13.56	ASTM A36	Light supp
TOTAL WEIGHT IN Kgs.								82.47		

NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.
2. FOR GENERAL NOTES & SPECIFICATION REFER S-D-100.
3. BILL OF MATERIAL FOR ONE UNIT ONLY.



REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
649353-P-A2809-B01-000001	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
PRJ0010186-A-D-201	ARCHITECTURAL CONSTRUCTION DETAILS
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK

0 10 20 30 40 50 mm
SCALE 1:1 DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	09 JUL 20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09 APR 20
A	ISSUED FOR IDC	BBT	RB	KM	13 JAN 20

REV.	DESCRIPTION	DRN	CHKD.	APPRD.	DATE
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CLIENT PENNECON

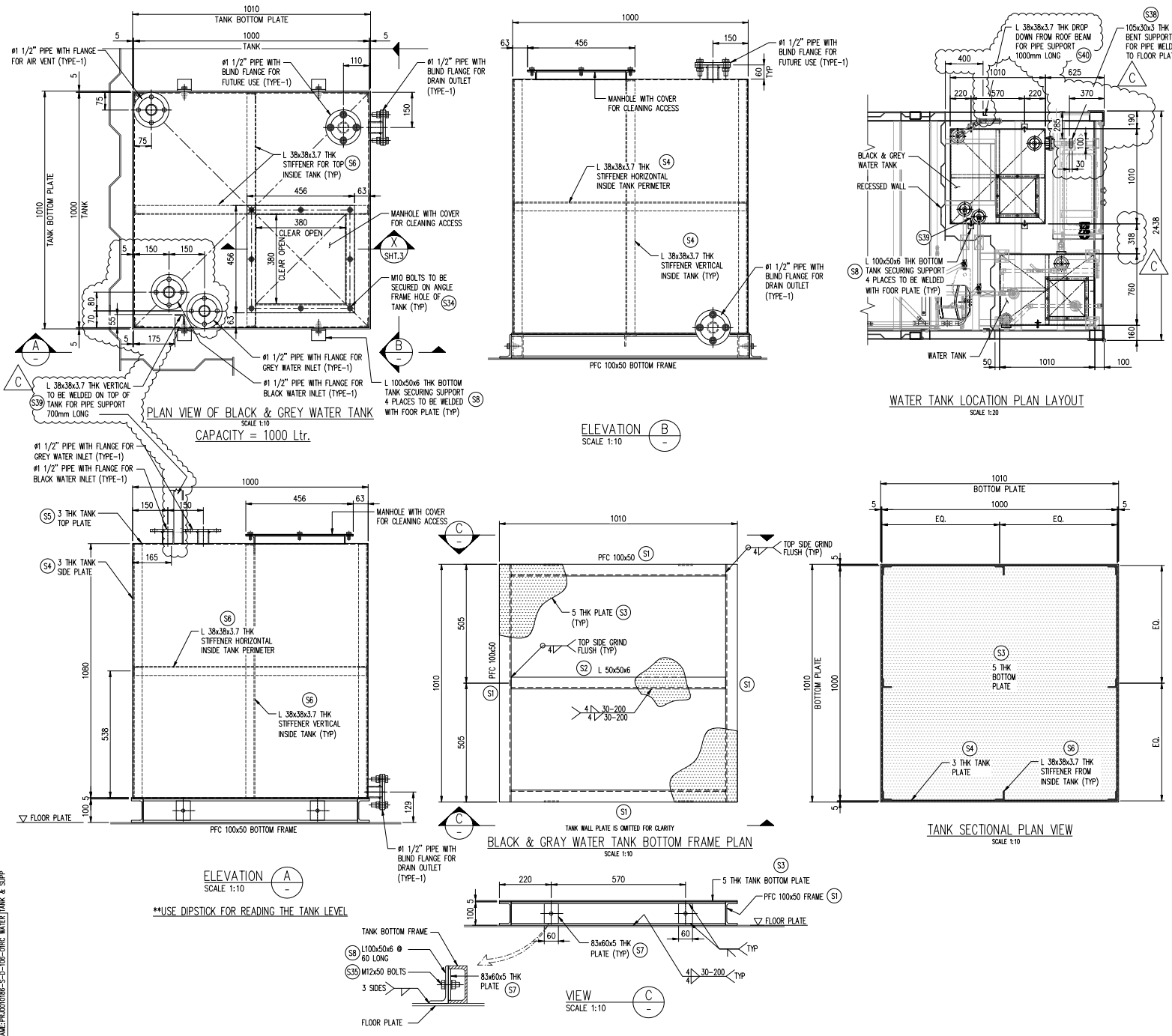
SPECIALIST SERVICES	P.O. BOX 2752 DUBAI, U.A.E. Tel + 971 4 8164500 Fax + 971 4 8164501 spcserv@spcserv.ae.com	SPECIALIST SERVICES REDGUARD
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JOB DESCRIPTION 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DRG. TITLE CEILING SUPPORTS DETAILS

JOB NO. PRJ0010186	DRG. NO. PRJ0010186-S-D-105	SHT OF SHT 1 / 1	REV. C	SCALE 1:20
CLIENT DOCUMENT NO. : 649353-P-A2809-C02-000001				

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NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.
2. FOR GENERAL NOTES & SPECIFICATION REFER S-D-100.
3. WELDING TO BE AS PER AWS D 1.1.

PAINT SPECIFICATION: BLACK & GREY WATER TANK

STEEL GRIT BLAST TO SA 2.5.
 PAINTS ("JOTUN" PAINT PRODUCTS) DFT MINIMUM
 INTERNAL: 1st COAT TANKGUARD STORAGE 125 MICRONS DFT
 2nd COAT TANKGUARD STORAGE 125 MICRONS DFT
 FOR EXTERNAL REFER PAINT SYSTEM No. SS-PS-01.



REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
PRJ000186-A-D-200	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
PRJ000186-S-D-100	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
PRJ000186-S-D-101	STRUCTURAL FRAMING ELEVATIONS

UNIT TAG No.
10186-1

IF IN DOUBT ASK

0 10 20 30 40 50 mm
SCALE 1:1
DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS

REV.	DESCRIPTION	DRN	CHKD	APPVD	DATE
C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	08 JUL 20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09 APR 20
A	ISSUED FOR IDC	BBT	RB	KM	30 JAN 20

CLIENT
PENNECON

SPECIALIST SERVICES

P.O. BOX 2782
DUBAI, U.A.E.
Tel + 971 4 8164500
Fax + 971 4 8164501
specserve@specserve.com



JOB DESCRIPTION
20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DRG. TITLE
WATER TANK & SUPPORTS DETAILS

JOB NO.	DRG. NO.	SHT OF	REV.	SCALE
PRJ000186	PRJ000186-S-D-106	1/4	C	1:20
CLIENT DOCUMENT NO.: 649353-P-A2809-C02-000001				

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BILL OF MATERIALS

ITEM NO.	DESCRIPTION	WEIGHT/UNIT	UNIT SIZE IN mm			QTY	TOTAL SIZE	TOTAL WEIGHT	MATERIAL	REMARKS	
			WIDTH	LENGTH	HEIGHT						
BLACK & GRAY WATER TANK											
S1	PFC 100x50x10	10.2 Kg/m		3840	-	1	3.84 lm	39.17	ASTM A36	Bottom frame	
S2	Angle 50 x 50 x 6mm thk	4.47 Kg/m	-	910	-	1	0.91 lm	4.07	ASTM A36	Bottom frame	
S3	Plate 5mm thk	39.25 Kg/m²	1010	1010		1	1.02 m²	40.04	ASTM A36	Bottom Flate	
S4	Plate 3mm thk	23.55 Kg/m²	1077	4000	-	1	4.31 m²	101.45	ASTM A36	Tank Vertical plate	
S5	Plate 3mm thk	23.55 Kg/m²	1000	1000	-	1	1.00 m²	23.55	ASTM A36	Tank top plate	
S6	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m	-	11976	-	1	11.98 lm	22.16	ASTM A36	Inside stiffeners	
S7	Plate 5mm thk	39.25 Kg/m²	80	83		4	0.02 m²	0.78	ASTM A36	For tank bolting	
S8	Angle 100 x 50 x 8mm thk	6.84 Kg/m	-	60	-	4	0.24 lm	1.84	ASTM A36	For tank bolting	
S9	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m	-	1824	-	1	1.82 lm	3.37	ASTM A36	Manhole frame	
S10	Plate 3mm thk	23.55 Kg/m²	456	456	-	1	0.21 m²	4.90	ASTM A36	Manhole frame cover	
S11	Pipe Sch 40 Size: 1.5 x 12Mtr	4.05 Kg/m	-	60	-	5	0.30 lm	1.22	ERW	Pipe water in/out	
S12	Plate 10mm thk	78.5 Kg/m²	150	150	-	5	0.11 m²	8.33	ASTM A36	Pipe flange	
S13	Plate 10mm thk	78.5 Kg/m²	150	150	-	2	0.05 m²	3.53	ASTM A36	Blind Flange	
FRESH WATER TANK											
S15	SHS 50x50x6 thk	7.99 Kg/m		3340	-	1	3.34 lm	26.69	ASTM A36	Bottom frame	
S16	Angle 50 x 50 x 6mm thk	4.47 Kg/m		360	-	1	0.66 lm	2.95	ASTM A36	Bottom frame	
S17	Plate 5mm thk	39.25 Kg/m²	760	1010		1	0.77 m²	30.13	ASTM A36	Bottom Flate	
S18	SHS 50x50x6 thk	7.99 Kg/m		910	-	2	1.82 lm	14.54	ASTM A36	Bottom frame	
S19	SHS 50x50x6 thk	7.99 Kg/m		360	-	2	1.32 lm	10.55	ASTM A36	Bottom frame	
S20	SHS 50x50x6 thk	7.99 Kg/m		1229	-	4	4.92 lm	39.28	ASTM A36	Bottom frame	
S21	Plate 8mm thk	47.1 Kg/m²	130	130		4	0.07 m²	3.18	ASTM A36	Base plate	
S22	Plate 8mm thk	47.1 Kg/m²	40	47		16	0.03 m²	1.42	ASTM A36	Base plate stiff	
S23	Plate 3mm thk	23.55 Kg/m²	1047	3500	-	1	3.66 m²	86.30	ASTM A36	Tank Vertical plate	
S24	Plate 3mm thk	23.55 Kg/m²	750	1000	-	1	0.75 m²	17.66	ASTM A36	Tank top plate	
S25	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m	-	11476	-	1	11.48 lm	21.23	ASTM A36	Inside stiffeners	
S26	PFC 150x75x18	17.9 Kg/m		130	-	4	0.52 lm	9.31	ASTM A36	Bottom frame support	
S27	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m	-	1824	-	1	1.82 lm	3.37	ASTM A36	Manhole frame	
S28	Plate 3mm thk	23.55 Kg/m²	456	456	-	1	0.21 m²	4.90	ASTM A36	Manhole frame cover	
S29	Pipe Sch 40 Size: 1" x 12Mtr	2.5 Kg/m	-	60	-	3	0.18 lm	0.45	ERW	Pipe water in/out	
S30	Pipe Sch 40 Size: 1.5" x 12Mtr	4.05 Kg/m	-	60	-	1	0.06 lm	0.24	ERW	Pipe water in	
S31	Plate 10mm thk	78.5 Kg/m²	150	150	-	1	0.02 m²	1.77	ASTM A36	Pipe flange	
S32	Plate 10mm thk	78.5 Kg/m²	115	115	-	3	0.04 m²	3.11	ASTM A36	Pipe flange	
S33	Plate 10mm thk	78.5 Kg/m²	115	115	-	1	0.01 m²	1.04	ASTM A36	Blind Flange	
S34	M10x25 Bolts					12					
S35	M12x50 Bolts, Nut, Washers					16					
S36	M16x50 Bolts, Nut, Washers					24					
S37	Plate 3mm thk	23.55 Kg/m²	80	100	-	7	0.04 m²	0.96	ASTM A36	Pipe Support	
S38	Plate 3mm thk	23.55 Kg/m²	135	100	-	1	0.01 m²	0.32	ASTM A36	Pipe Support	
S39	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m	-	700	-	1	0.70 lm	1.30	ASTM A36	Pipe Support	
S40	Angle 38 x 38 x 3.7mm thk	1.85 Kg/m	-	1000	-	1	1.00 lm	1.35	ASTM A36	Pipe Support	
TOTAL WEIGHT IN Kgs.								537.28			



REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
PRJ0010186-A-D-200	GENERAL ARRANGEMENT ARCHITECTURAL PLAN & SECTIONS
PRJ0010186-S-D-100	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
PRJ0010186-S-D-101	STRUCTURAL FRAMING ELEVATIONS

UNIT TAG Nos.
10186-1

IF IN DOUBT ASK

0 10 20 30 40 50 mm	DO NOT SCALE - ALL DIMENSIONS ARE IN MILLIMETERS
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C	RE-ISSUED FOR APPROVAL	BRV	RB	KM	08 JUL 20
B	ISSUED FOR APPROVAL	BRV	RB	KM	09 APR 20
A	ISSUED FOR IDC	BBT	RB	KM	30 JAN 20
REV.	DESCRIPTION	DRN	CHKD	APPVD	DATE
CLIENT					
PENNECON					

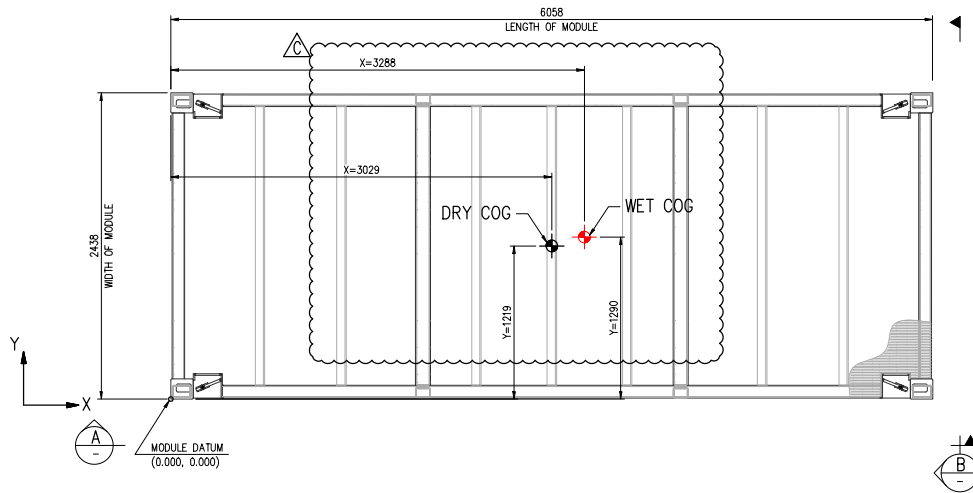
SPECIALIST SERVICES	P.O. BOX 2782 DUBAI, U.A.E. Tel + 971 4 8164500 Fax + 971 4 8164501 specserve@specserve.com		SPECIALIST SERVICES REDGUARD
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JOB DESCRIPTION
20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

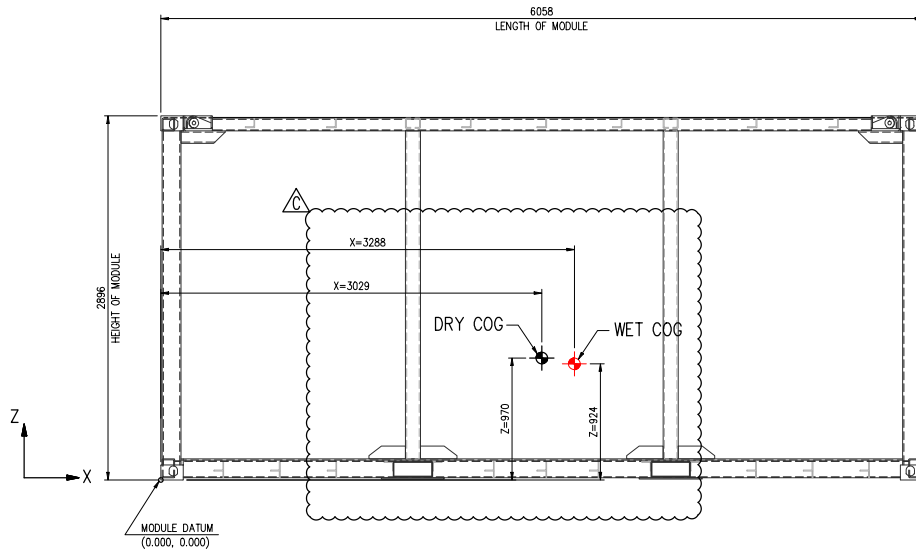
DWG. TITLE
WATER TANK & SUPPORTS DETAILS

JOB NO. PRJ0010186	DWG. NO. PRJ0010186-S-D-106	SHT OF SHT 4/ 4	REV. C	SCALE 1:20
CLIENT DOCUMENT NO.: 649353-P-A2809-C02-000001				

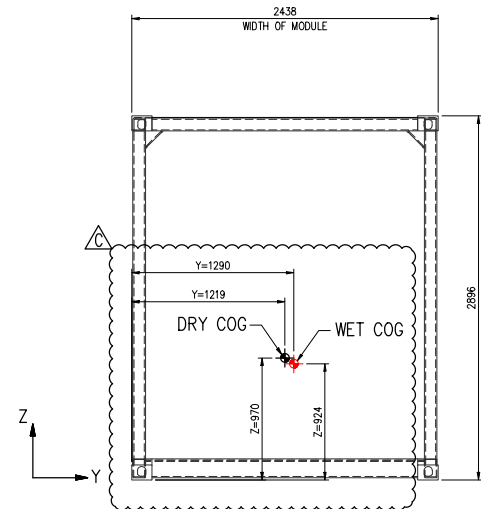
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COG LOCATION PLAN
SCALE 1:20



ELEVATION A
NTS



ELEVATION B
NTS

NOTES:

1. ALL DIMENSIONS ARE IN mm U.N.O.

WEIGHT DETAILS.

TOTAL ESTIMATED WEIGHT : 11,000 kg (INCLUDING FILLED TANKS)
GROSS MASS (MAX) : 9,500 kg
TARE MASS : 9,000 kg



REFERENCE DRAWINGS

DRAWING Nos.	DESCRIPTION
649353-P-A2809-C18-000001	STRUCTURAL FLOOR & ROOF FRAMING PLAN & DETAILS
649353-P-A2809-C18-000002	STRUCTURAL FRAMING ELEVATIONS

UNIT TAG No.
10186-1

IF IN DOUBT ASK

REV.	DESCRIPTION	DRN	CHKD.	APPRD.	DATE

CLIENT	PENNECON
SPECIALIST SERVICES	P.O. BOX 2702 DUBLIN, IRELAND Tel: +353 1 8546000 Fax: +353 1 8546001 specialist@specialist-services.com
SPECIALIST SERVICES	REDGUARD

JOB DESCRIPTION 20ft A60 6 MEN ACCOMMODATION
CONFORMING TO DNV 2.7-1 & CSC

DRG. TITLE WEIGHT AND COG OF PACKAGE

JOB NO.	DWG. NO.	SHT of SHT	REV.	SCALE
PRJ0010186	PRJ0010186-COG-001	1 / 1	C	1:20
CLIENT DOCUMENT No.	649353-P-A2809-C19-000001			

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