TECHNICAL SPECIFICATION

For

REFRIGERATED CONTAINER

40'x8'x9'6"

MGSS REEFER

(Flat-floor flush with door sill)

- POLYURETHANE INSULATION	(By CP Blowing Agent)
- ROOF AND SIDE PANEL	MGSS
- DOOR PANEL	MGSS
- FRONT AND REAR END FRAME	SPA-H
- FLOOR RAIL	ALUMINUM
- LINING: SIDE & DOOR	HGSS
ROOF	PRE-PAINTED ALUMINUM SHEET
- TOP & BOTTOM RAIL	SPA-H
- CORRUGATED BASE	SPA-H
- SCUFF LINER	ALUMINUM

Specification No.	**:**	**S-4HP241001**
Model No.	**:**	**40BDP007**
Drawing No.	**:**	**4HP241001**
Date of Issue	**:**	**Oct. 23, 2024**
Version No.	**:**	**A/1**
Revision Date.	**:**	**Jul. 29, 2025**

CONTENTS

1. General 3

2. Dimensions and Ratings 4

3. Materials 6

4. Construction 8

5. Preservation 11

6. Markings 12

7. Testing and Inspection 13

8. Guarantee 14

9. Revision list 15

1. General

1.1 Operational Environment

The container is designed and manufactured for the carriage of refrigerated (frozen, chilled) foodstuffs (excluding hung-chilled meat) and general cargo by land (on road or rail) and by sea (above or below deck) throughout the world with external temperature ranging from -40°C to +70°C without effect on the container strength and water-tightness. A mechanical refrigeration unit of a “one piece picture frame type" will be fitted to the front end frame. The container is designed with a refrigeration unit to maintain the inside space temperature at -18°C in ambient temperature up to+38°C.

1.2 Standards, Regulations and Rules

Containers shall refer to following:

1) ISO/TC-104
   668 Dimensions and ratings (1993 edition)
   1161 Specification of corner fittings (1990 edition/ Cor.1.: 1990)
   1496⁄2 Specification and testing, thermal containers (1996 edition)
   6346 Coding, identification and marking
   3874 Freight Containers, Handling and Securing (1997 edition)
2) TIR requirements and certificate.
3) Timber components treatment and certificates.
   There will be no exposed timber in the construction.
4) CSC requirement and certificates.
   In compliance with “International Convention for Safe Containers”.
5) Classification Society: All containers will be certified by_____.

1.3Handling

The container will be constructed to be capable of being handled without any permanent deformation, which will render it unsuitable for use or any other abnormality during the following conditions:

1) Lifting, full or empty, at the top corner fittings vertically by means of spreaders fitted with hooks, shackles or twist locks.
2) Lifting, full or empty, at the bottom corner fittings using slings with appropriate terminal fittings at slings angle of thirty (30) degrees to horizontal.
3) Lifting empty only by forklift at its forklift pocket.

1.4Transportation

The container shall be constructed to be suitable for transportation for the following modes without any permanent deformation which will render the container unsuitable to use or any abnormality.

1.4.1 Marine - In the ship cell guides: Nine (9) high stacked (based on 27,000kg); on the deck: 4high stacked and secured by vertical diagonal lashings.

1.4.2 Road - On flat bed or skeleton chassis, secured by twist locks or equivalent ones at the bottom corner fittings.

1.4.3 Rail - On flat cars of special container cars secured by twist locks or equivalent ones at the bottom corner fittings.

2. Dimensions and Ratings

2.1External dimension

Length	12,192	mm	(0,-10)
Width	2,438	mm	(0,-5)
Height	2,896	mm	(0,-5)

2.2Internal dimension (Nominal)

Length	11,596	mm	(0,-15)
Width	2,290	mm	(0,-10)
Height	2,591	mm	(0,-10)
Cargo access height	2,535	mm	(0,-10)

2.3Door Opening (Nominal)

Width	2,294	mm	(0,-5)
Height - at sill	2,543	mm	(0,-5)

2.4 Gooseneck Tunnel

Length	3248	mm	
Height	120	mm	(0,-3)
Width	1029	mm	(+3,0)

2.5 Fork lift pocket (Empty lift only)

Width	360	mm
Height	115	mm
Center distance	2050	mm

2.6Inside Cubic Capacity (Nominal)

68.8 m^3 (2,430cu.ft.)

2.6 Rating

Max. Gross Weight	34,000	kg	74,960	lb.
Tare weight (excluding Ref. Unit)	4,190	kg±2%	9,240	lb.
Tare weight (Including Ref. Unit)	4,570	kg±2%	10,080	lb.
Payload	29,430	kg	64,880	lb.

*The Tare weight to be determined after prototype.

2.7 Insulation

Item	Thickness	Core Density
Roof	80 mm	40-45 kg/m^3
Side Walls	63.5 mm	45-50 kg/m^3
Door Panels	74 mm	50-55 kg/m^3
Floor	82/106 mm	50-55 kg/m^3
Corner		40-45 kg/m^3

Polyurethane foam with Cyclopentane (non-CFC) blowing agent.

2.8 Heat leakage value

*To be determined after prototype test.
Umax = 45 kcal/deg.c.hr (52.3W/K) at 20°C (293k) mean wall temp.
(including reefer unit)

2.9 Air leakage

*To be determined after prototype test.
Qmax = 15 cu.m/hr measured at 25.4±1mm WPG inside.

3. Materials

3.1 Main materials

Part	Materials
Front &rear corner post Front header& sill Rear header &sill Gooseneck tunnel & bolster Top & bottom side rail Front & rear double plate Side post Load transfer member Subfloor Forklift pocket	SPA-H or equivalent
Side, roof and door panel Clip on device angle Hinge lug Roof Bow Side stringer	MGSS(SUS410L)
Generator fitting nut Hinge pin Data plate	HGSS (SUS304)
Side lining Door lining	HGSS (BNDDQ)
Corner fitting	SCW480
Roof lining Rear-top lining Front-top lining Front-side lining Front-bottom lining	AA5052-H44/H46
Floor rail& floor bow Rear-side lining Scuff liner Corner cover	AA6061-T6
Roof stringer	AA6063-T5
Rear corner post inner (flat bar)	SM490A
Door hinge	SS400 (HDG)
Door holder	Nylon
Locking rod	Q235B or equivalent
Insulation tape	Electrolytic buffer of P.E. or P.V.C.
Foam tape	Adhesive of P.V.C.
Insulation foam	1) Rigid polyurethane foam 2) Blowing agent : CP
Exposed sealer	MS (inner) FDA compliant Silicone (outer)
Hidden sealer	Butyl

3.2 Mechanical Properties

Material	**Yield point (N/sq.mm)**	**Tensile strength (N/sq.mm)**
SPA-H	355	490
SS400	245	400
SM490A	280	490
MGSS(SUS410L)	195	360
HGSS(SUS304)	205	520
HGSS(BNDDQ)	250	600
SCW480	275	480
AA5052-H44	150	230
AA5052-H46	180	250
AA6063-T5	130	175
AA6061-T6	240	260
Forged steel	270	450
Q235B	235	440

The metallic material thickness tolerance shall comply with JIS relevant standard.
The specific material for MGSS shall comply with JIS G4304 and JIS G4305 standard.
The material BNDDQ shall meet the standard Q/BXS 002-2021 of the steel manufacturer.

3.3 Chemical composition

Chemical composition of BNDDQ (%)

Material	C	Si	Mn	P	S	Cu	Ni	Cr	N
BNDDQ	≤0.10	≤1.00	5.50～8.50	≤0.045	≤0.03	≤2.00	3.50～5.50	16.00～18.00	≤0.3

4. Construction

4.1 General construction

The container will be constructed of steel parts, which are rear and front frame, insulated side with corrugated outer panel and inner lining, insulated base with aluminum flat floor and corrugation subfloor, insulated roof is constructed of outer panels and inner lining with corrugations, insulated door with outer panel and corrugated inner lining, and ISO corner fittings. Refrigeration unit will be installed to the front end frame.

4.2 Base frame

The base frame is composed of corrugation type steel base frame and aluminum flat floor with Insulation polyurethane.

1)Tunnel plate	:	4.0mm thick one piece pressed hat section.
2)Tunnel bolster	:	Welded box section with 4.0mm thick upper and 4.5mm thick lower.
3)Load transfer member	:	Two (2) 4.0mm thick pressed hat sections with Gussets and 3 pcs of square tube.
4) Subfloor	:	1.6mm thick SPA-H corrugated panel welded to the bottom side rail.
5)Bottom side rail	:	4.0mm thick upper with 3.0mm reinforcement angle, and 4.0mm lower cold rolled steel. Welded4.0mm thick reinforcement plate Between bottom side rails and fittings.
6) Forklift pocket	:	Two pieces of 4.0mm thick pressed hat section with 6.0mm lower plate.

4.3 Floor

1) Floor board	:	30 high aluminum extruded flat floor flush with door sill.
2) Floor bow	:	4 pieces of Aluminum extruded "I" section floor bows shall be stitch welded to the underside of floor board.
3) Floor filler	:	11 pieces of PE fillers located between reversed T-shaped floor-board and base structure.

4.4 Front end frame

Front end frame is composed of steel members, which is constructed so that refrigerating unit and generator device can be fitted.

1) Front top rail	:	4.0mm thick pressed profile.
2) Front bottom rail	:	Welded construction with 4.0mm thick pressed profile with three (3) pieces 4.0mm thick stiffeners.
3) Corner post	:	Welded construction with 6.0mm thick outer and 3.0mm thick inner pressed profile.
4) Double plate	:	4.0mm thick rectangular plates.

4.5 Rear end frame

Rear end frame is composed of steel frame members, which is constructed so that a set of door can be fitted.

1) Door header : Welded construction with 4.0mm thick outer and 4.0mm thick inner, and 4 pieces of 4.0mm vertical gusset plates welded behind of cam keepers. 3.0mm thick angle steel riveted to the inner header for mounting the curtain.

2) Door sill : Welded construction with 6.0mm thick outer, 4.0mmthick inner angle plate, 4.0mm thick horizontal support plate and 4 pieces of 4.0mm vertical gusset plates welded behind of cam keepers. The lower flange of the sill near to corner fitting is provided with channel section cut-outs for damage protection.

3) Corner post : Welded construction with 6.0mm thick outer and 6.0mm inner, and with 12mm thick reinforce plate.

4) Double plate : 4.0mm thick rectangular plate.

4.6 Door panel

Rear door is composed of 1.6mm & 1.2mm thick MGSS panel and corrugated HGSS inner lining with polyurethane insulation. A door lock box is installed which is designed to prevent left hand door from opening before right hand door according to T.I.R. requirements.

1) Door panel : (1) outer – 1.6mm & 1.2mm thick MGSS sheet.
(2) inner member- SPA-H pressed section.

2) Door gasket : (1) outer gaskets – EPDM “C” section.
(2) inner gaskets – EPDM double lips.

3) Locking gears : FW-LR61R or equivalent type locking rod with normal type cam and keeper, anti-theft long handle， Hot-dip galvanized 75 μ. The rear end door with easy to open lock device.

4) Door hinge : Ten (10) hot dip galvanized steel hinge with bronze bushes and stainless steel washers.

5) Hinge pin : Φ12.2mm SUS304 HGSS bar fixed by flaring.

6) Door lining : 0.7mm thick HGSS (BNDDQ) sheet, with pressed corrugations.

7) Hinge lug : 6.0mm thick MGSS plate.

8) Door holdback : Nylon rope

9) Lock box : Hot-dip galvanized 75 μ.

4.7 Side wall

1) Outer cladding : 1.0 mm thick end and 0.8mm thick main MGSS with die-stamped corrugations, welded together by TIG method.

2) Inner lining : 0.7mm thick HGSS(BNDDQ) with deep inverted battens, welded together by TIG method.

3) Top side rail : 4.0mm thick cold rolled section with chamfered top edge.
4) Side post : 8 pieces of 1.6mm and 1 piece of 4.5mm each side, SPA-H, pressed hat section, spot-welded to side panel.
5) Side stringer : 8pieces each side, 0.8mm pressed hat section, MGSS, spot-welded to side lining.
6) Scuff liner : 400mm high, aluminum extrusion.

4.8 Roof

1) Outer cladding : 1.0mm thick end panels and 0.8 mm thick main panels, MGSS with die-stamped corrugations, welded together by TIG method.
2) Lining : 0.8mm thick pre-painted clear or white aluminum sheet with small bead corrugations, be joint by pressing and reinforced by AL roof stringers.
3) Roof bow : 6 pieces of 0.8mm pressed MGSS hat sections spot-welded to roof panel.
4) Roof stringer : 9 pieces of aluminum hat shaped extruded Aluminum profiles clipped with roof lining.

4.9 Unit mounting

The unit mounting shall be designed in accordance with the reefer machinery manufacturer's mounting requirements.

4.10 Edge Covers

All inner edges are covered by aluminum, PVC sections. All will be sealed, riveted or glued to the inner lining.
Aluminum extrusion profile is fixed to the corner between side lining and roof lining.

4.11 Particular attachment

1) Floor drain
Two (2) auto drains are provided at each front and rear end (Total 4).
2) Generator set mounting receptacles
Front corner post and front top rail fitted with receptacles and brackets for Mounting clip-on generator set.
3) Four(4) recessed type lamps(DC 24V,LED)on the roof and one (1) switch on the Right hand inside. The Reefer machine provides power for the lamps.
4) Two (2) lashing ring per side on scuff lining for fixing the ramp only.
5) Alarm equipment
One(1) audible and visual alarm equipment(DC 24V) is provided at outside of door header and front frame outside the reefer machine respectively, and one (1) switch on the right hand inside. The reefer machine provides power for the alarm.
6) PVC Curtain
Sliding curtain is provided at rear end.
7) A door lock box is installed on rear door.

5. Preservation

5.1 Surface Preparation

5.1.1 Prior to assembly

1) All steel components, prior to painting, shall be shot blasted to Swedish Standard Sa2.5 to remove rust, mill scale, etc.
2) All stainless steel components, prior to painting, are to be cleaned to remove all oil and dirt etc.
3) Locking rod ass'y which are welded with gear cams, bars, holders and handles, hinges are hot dip galvanized (thickness: Min. 75 microns).

5.1.2 Insulation foam contact surfaces

1) Main foaming area and bare aluminum plate
   Hot melt adhesive or adhesive primer will be applied to the insulation foam contacting surfaces for good adhesion with insulation foam.
2) Residual foaming area of SPA-H parts
   Polyamide epoxy primer, zinc rich primer or hot melt adhesive will be applied to the insulation foam contact surface.

5.1.3After assembly

1) All stainless steel parts will be cleaned to remove all oil rust, dirt and etc. before sweep blasted with non-carbon steel media or non-metallic media.
2) Surface treatment for painting will be done, blasting on welding seam and all welding slags, spatters and other foreign matters will be removed.

5.2 Coating System

5.2.1 Exposed surface (For SPA-H parts, including the under surface of base structure)

		KCC, Mega, KMK & HAOLI
1st primer:	Zinc rich primer (Pretreatment)	10 microns
2nd primer:	Water-based zinc rich primer	20 microns
3rd primer:	Water-based polyamide epoxy primer	50 microns
4th top:	Water-based Polyurethane top coating	40 microns
Total (D.F.T.)		**120 microns**

5.2. 2 Exposed surface (For MGSS parts, door excluded)

		KCC, Mega, KMK & HAOLI
1st primer	Water-based polyamide epoxy primer	50 microns
2nd top:	Water-based Polyurethane top coating	40 microns
Total (D.F.T.)		**90 microns**

5.2. 3 Door panel

		KCC, Mega, KMK & HAOLI
1st primer:	Water-based polyamide epoxy primer	50 microns
2nd top:	Water-based polyurethane top coating	40 microns
Total (D.F.T.)		**90 microns**

5.2.4 Inside surface (Insulation foam contact area)

A)	Inside front & rear frame:	20 microns of polyamide epoxy primer.	
		Or zinc rich primer	
		Or hot melt adhesive	
B)	Inside for stainless steel & AL:	Hot melt adhesive	35-50 g/m2
		Or adhesive primer	10-15 microns

Note:

1. Supplier of paint: Refer to purchase order.
2. Color of top coating is RAL9016.
3. The paint spec. will follow the recommendation from paint supplier.

6. Markings

6.1 Lettering

The containers will be marked in accordance with ISO requirements, owner's marking specifications and other required regulations.

6.2 Materials

The material of all decals is PVC film with permanent adhesive and having a minimum 7 years life.

6.3 Consolidated date plate

The certification plates of timber treatment, CSC and TIR approval are of stainless steel and will be engraved in permanent manner and riveted with stainless steel rivets.

6.4Stamping in rear corner castings

Owners prefix, container serial number and check digit to be stamped in 10mm high letter/numbers into the upper face of the lower, right –hand comer casting. Manufacturer's prefix and production number to be stamped in 10mm high letter/numbers into the upper face of the lower left –hand casting.

7. Testing and Inspection

7.1Prototype container

A prototype container need not to be built if one of the first containers out of the series as a prototype container. This container will be tested and certified by inspectors nominated by the owner.

7.2Production line of container

Every container is manufactured under effective quality control procedures to meet the specified standards. After completion all container dimensions will be checked and door operation checked.

7.3 The proposed criteria table for general prototype testing:

	Item	**Test load and method**	
7.3.1	Stacking	Test Load	97,200kg/post
		Offset	38mm longitudinally 25mm laterally
		Internal load	1.8R-T
7.3.2	Lifting from top corner fittings	Internal load	2R-T (Vertical)
7.3.3	Lifting from bottom corner fittings	Internal load	2R-T (30 degree)
7.3.4	Lifting from forklift pocket(empty lift)	Internal load	0.625R-T
7.3.5	Floor strength	Test Load	7,260kg
7.3.6	Restraint	Internal load	R-T
		Test load	1.0R/rail
7.3.7	End wall strength	0.1P uniform load by air bag	
7.3.8	Side wall strength	0.6P uniform load by air bag	
7.3.9	Roof strength	300kg (300x600mm)	
7.3.10	Racking (transverse)	75KN	
7.3.11	Racking (longitudinally)	75KN	
7.3.12	Lashing Ring test	125Kg	
7.3.13	Air tightness test	Internal pressure: 25.4+/-1mm WPG inside	
7.3.14	Thermal Test	In compliance with ISO standard	
7.3.15	Performance test of thermal appliance in compliance with ISO1496⁄2		

7.4 Batch test instructions

Batch test shall be conducted by selecting at random one of each batch of 100 units during mass production, and air leakage will be tested at one of ten units.

Note: R – Maximum gross weight T – Tare weight P – Maximum payload

8. Guarantee

8.1 Guarantees

The guarantee period will commence the date after the certification has been issued by the classification society.

8.2 Paint guarantee

The application of paint will be guaranteed against corrosion and paint failure for a period of five (5) years. The guarantee is for faults affecting more than 10% of the painted surfaces and will assure partial of total re-painting of the container.
Corrosion caused by acids, alkalis or other chemicals, damage by abrasion, impact or accident are excluded.

8.3 Decal guarantee

The decals are warranted for seven (7) years to withstand the environmental conditions as “General” mentioned for color, stability and adhesion.

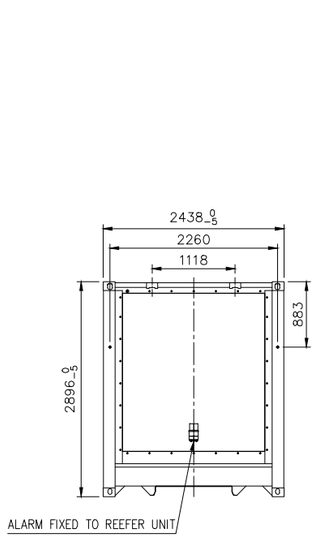
8.4 Other guarantee

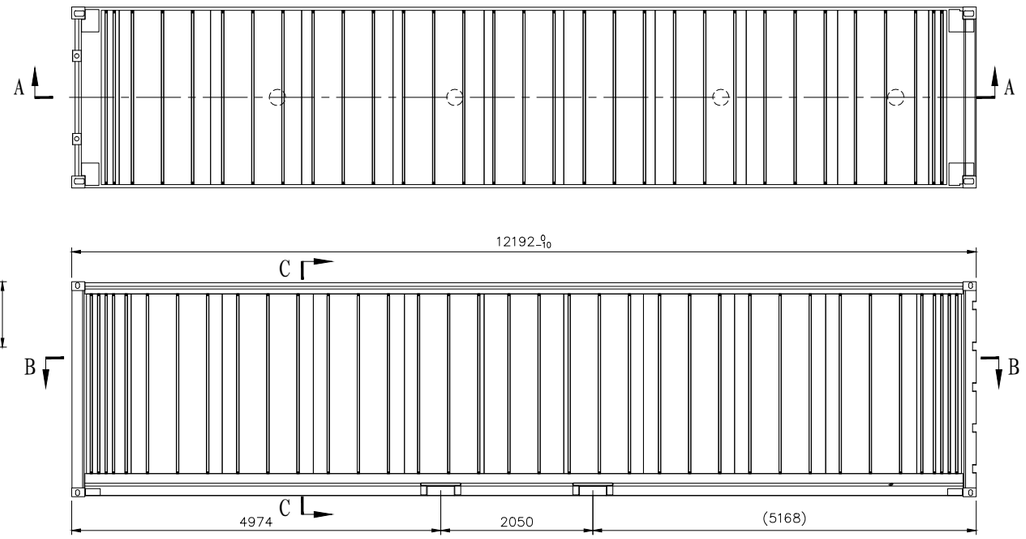
All containers are guaranteed against any faults in construction, poor workmanship, defective materials for a period of Two (2) years after being accepted.
Any damages caused by mis-handling, mis-securing, mis-loading, impact and any accidents relating from bad practices are excluded.
For the lamp and alarm, the relevant problems during lifespan are not within the scope of our warranty.

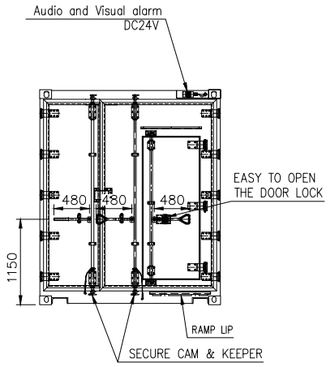
9. Revision list

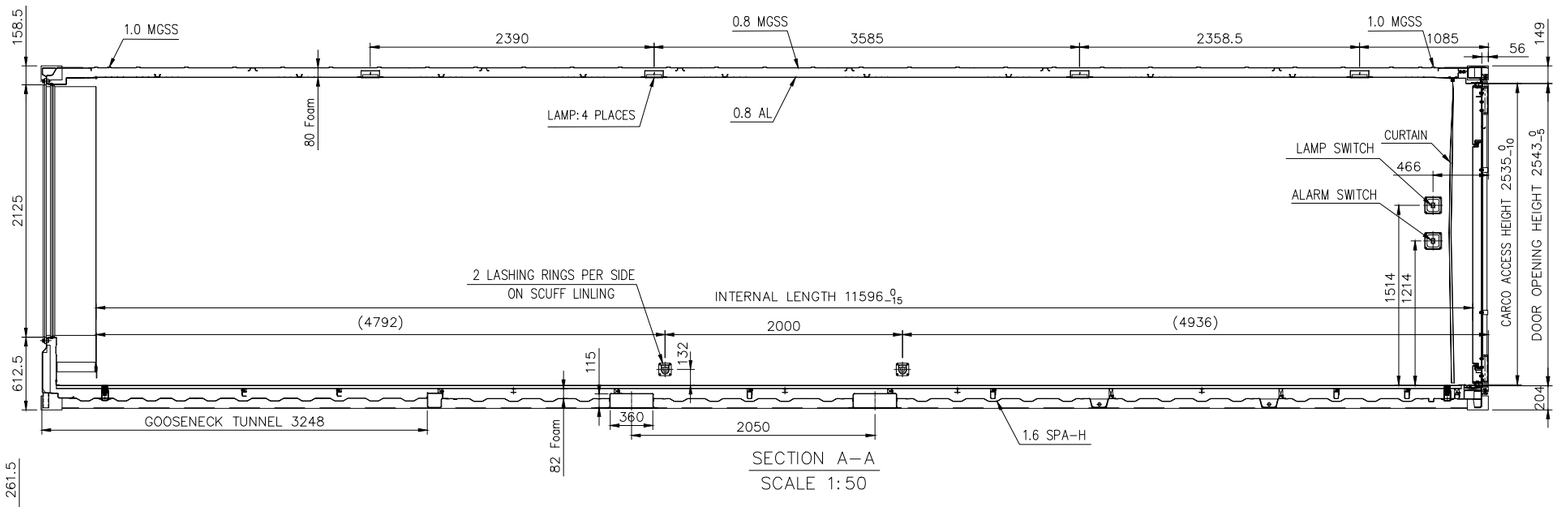
Spec. Item	Relation Drawing NO.	Description	DATE	Designer
	DA-0026-00247	Change the door lock (Japanese lock) from “Pull Tap” to “Push Cap”.	Aug.21,2024	Robin
4.11 5)	RF-0026-00232	Add an alarm at door header.	Aug.21,2024	Robin
	IN-00063	Add keypad cover on reefer unit for TK.	Sep.07,2024	Robin
	DA-0026-00259	Change the length of butcher door’s handle from 580mm to 480mm.	Jul.29,2025	Robin

CLASSIFICATION		DIMENSION	
EXTERNAL	LENGTH	12192 MM	40'
	WIDTH	2438 MM	8'
	HEIGHT	2896 MM	9'6
INTERNAL	LENGTH	11596 MM	
	WIDTH	2290 MM	
	HEIGHT	2591 MM	
DOOR OPENING	WIDTH	2294 MM	
	HEIGHT	2543 MM	
CARGO ACCESS HEIGHT		2535 MM	
INTERNAL CUBIC CAPACITY		68.8 CU.M	2430 CU.FT
MAX. GROSS WEIGHT		34000 Kg	74960 lb
TARE WEIGHT (±2%) EXCL. UNIT:		4190 KG	9240 lb
TARE WEIGHT (±2%) INCL. UNIT:		4570 KG	10080 lb
MAX. PAY LOAD		29430 KG	64880 lb
STACKING TEST LOAD		97200 Kgf/POST	214290 lbf/POST
FLOOR STRENGTH		7260 Kg	16000 lb
HEAT LEAKAGE (U20)		52.3 W/K	45 Kcal/°chr
AIR LEAKAGE(1" WGP)		15 CU.M/h	530 CU.FT/h
REFRIGERATION UNIT		Refer to purchase order	

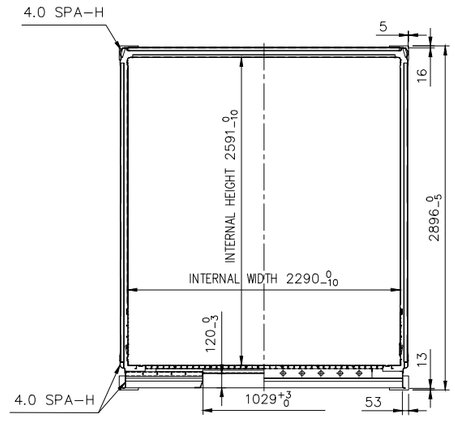




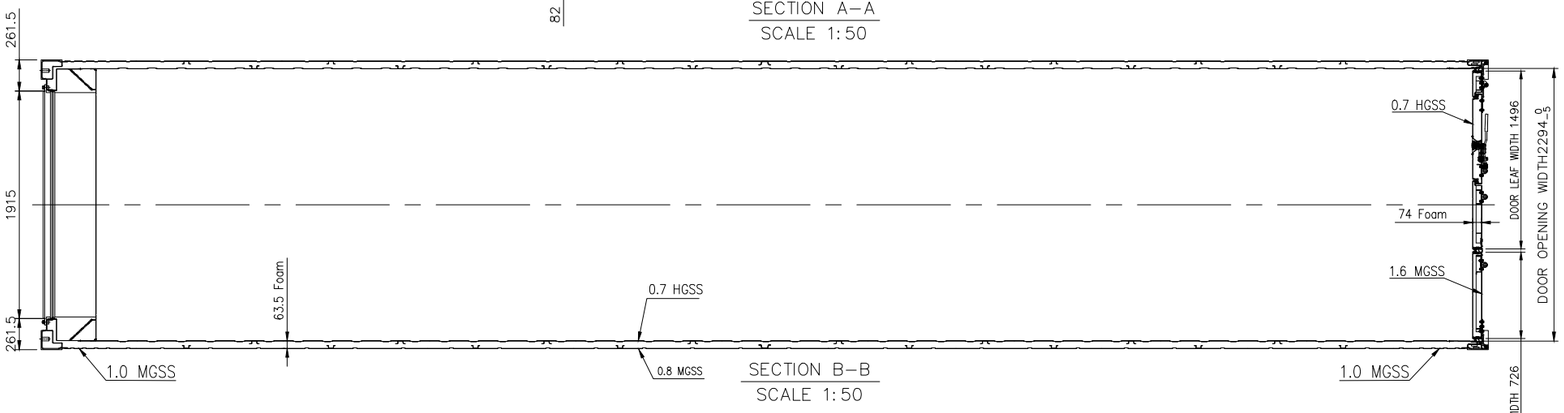




SECTION A–A
SCALE 1:50



SECTION C–C
SCALE 1:50



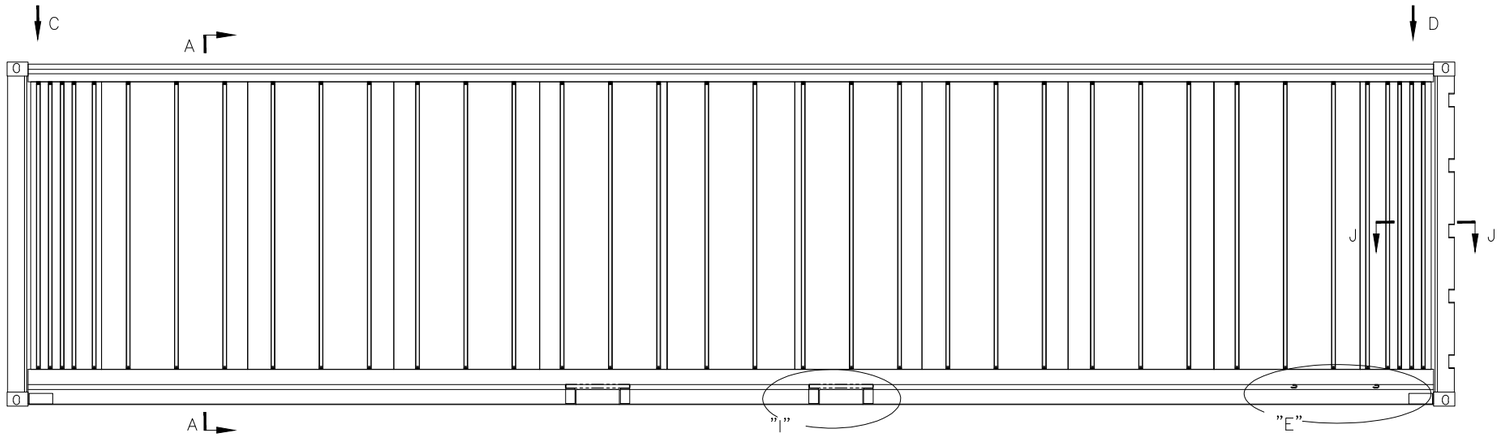
SECTION B–B
SCALE 1:50

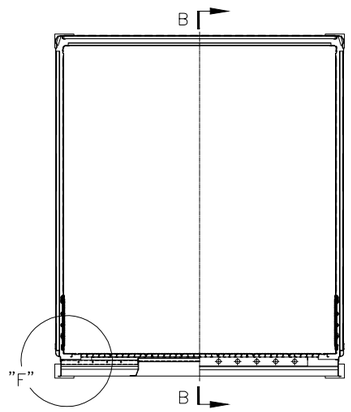
Technical requirements:
1.Foaming density
(1)Roof: 40–45 kg/m³
(2)Side: 45–50 kg/m³
(3)Floor: 50–55 kg/m³
(4)Door: 50–55 kg/m³
(5)Corner: 40–45 kg/m³

ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
11	MARKING ARRANGEMENT	MA–4026–00514	1		
10	GENERAL PART	GP–4026–00164	1		
09	REEFER UNIT ASSEMBLY	RE–4026–00050	1		
08	INNER CLADDING ASSEMBLY	IC–4026–00172	1		
07	FLOOR ASSEMBLY	TF–4020–00128	1		
06	DOOR ASSEMBLY	DA–0026–00259	1		
05	SIDE WALL ASSEMBLY	SW–4006–00312/00313	1+1		
04	ROOF ASSEMBLY	RA–4020–00139	1		
03	BASE ASSEMBLY	BA–4020–00163	1		
02	FRONT FRAME ASSEMBLY	FF–0026–00117	1		
01	REAR FRAME ASSEMBLY	RF–0026–00232	1		

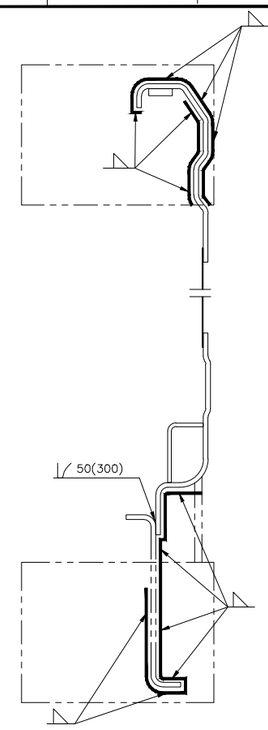
TITLE	Reefer Container	SIZE	A3	PAGE	1/1
DWG. NO.	4HP241001	SCALE	1:50	REV	C
◇CRITICAL CHARACTERISTIC		DESIGN		STANDARD	
SPECIAL CHARACTERISTIC		CHECK		APPROVED	
		PROCESS		DATE	

MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

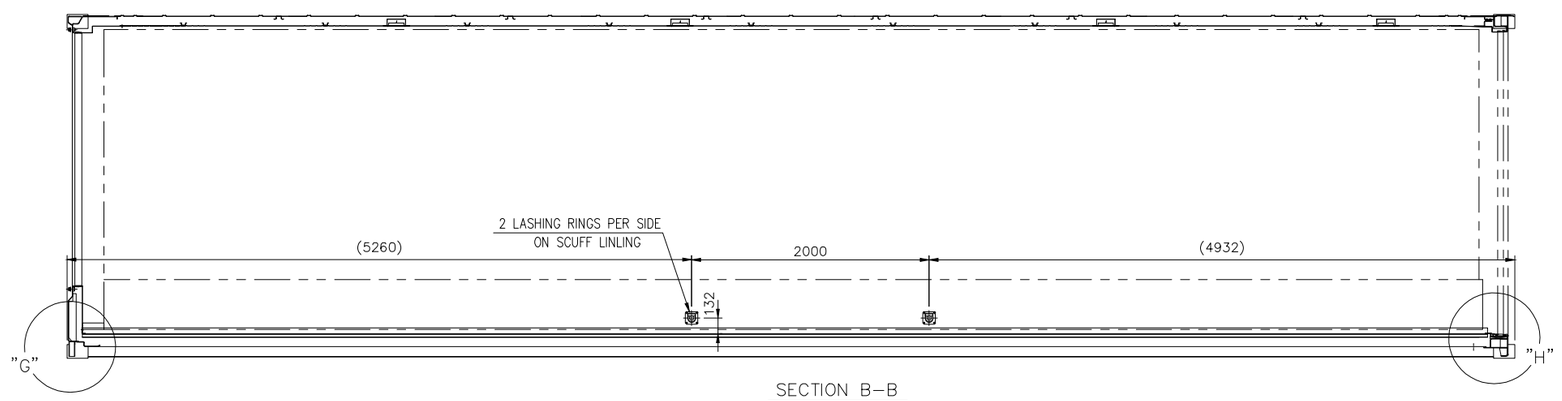




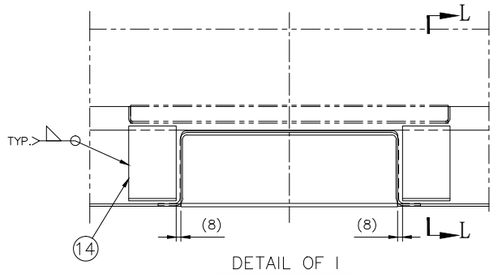
SECTION A–A
SCALE 1:50



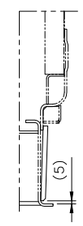
TOP/BTM SIDE RAIL WELD WITH CORNER FITTING
SCALE 1:5



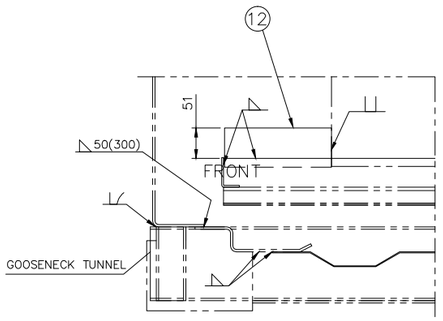
SECTION B–B
SCALE 1:50



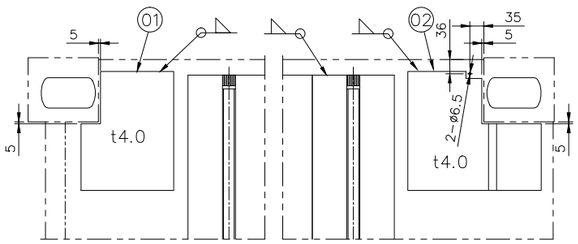
DETAIL OF I
SCALE 1:10



SECTION L–L
SCALE 1:10

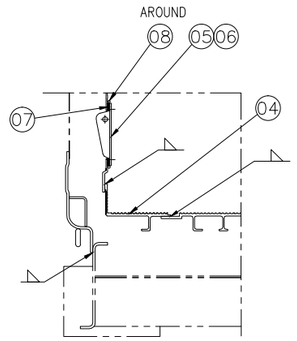


DETAIL OF G
SCALE 1:10

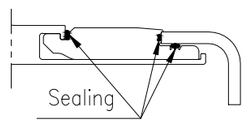


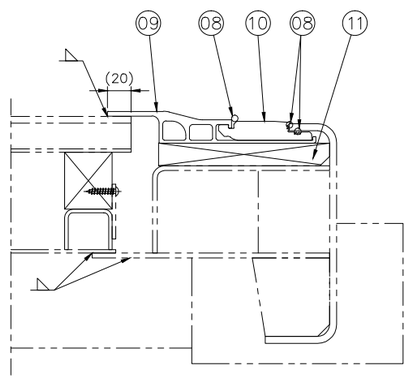
VIEW C
SCALE 1:15

VIEW D
SCALE 1:15

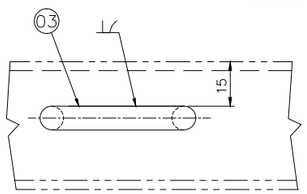


DETAIL OF F
SCALE 1:10

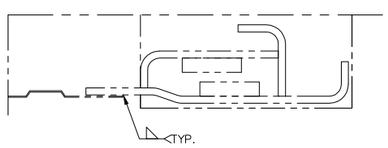




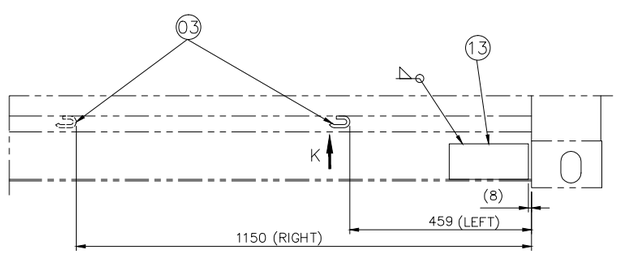
DETAIL OF H
SCALE 1:5



VIEW K
SCALE 1:2



SECTION J–J
SCALE 1:5

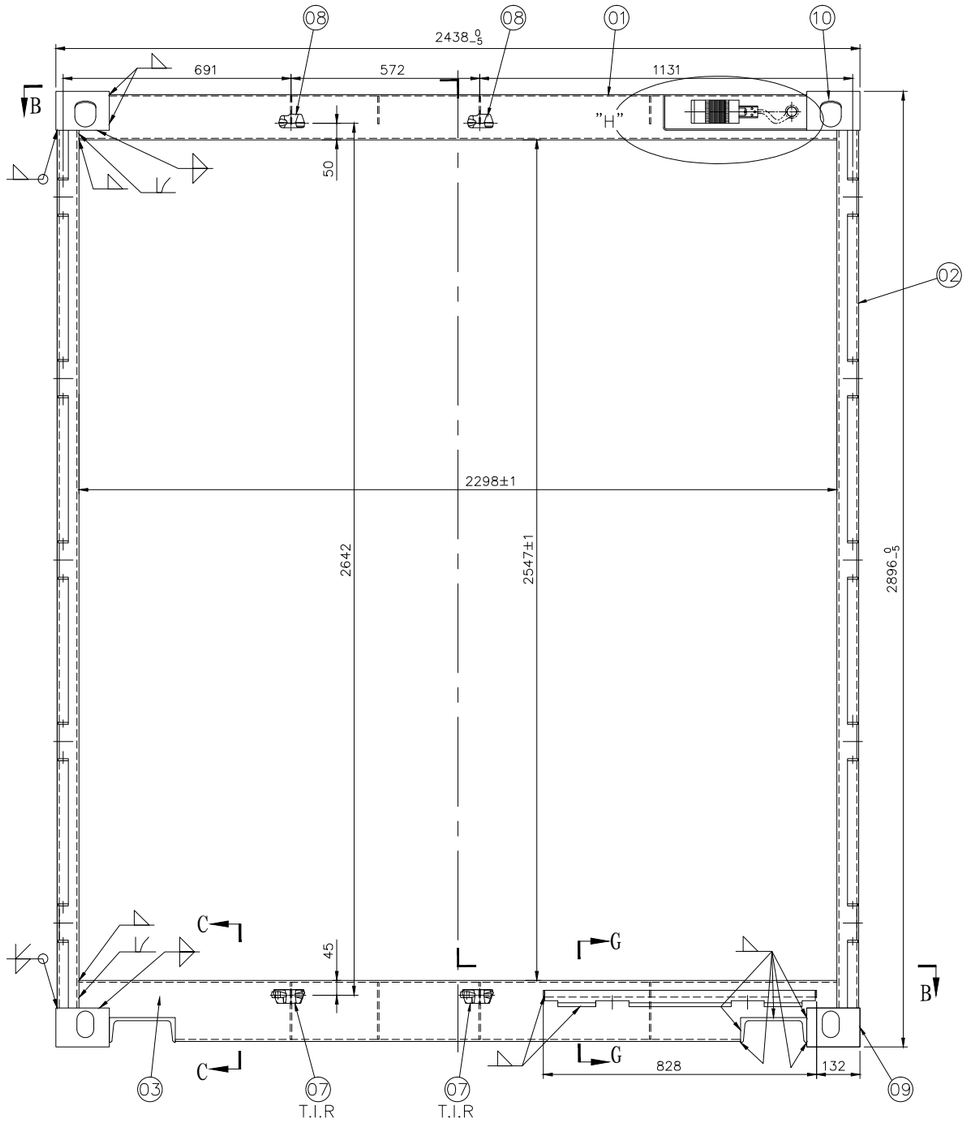


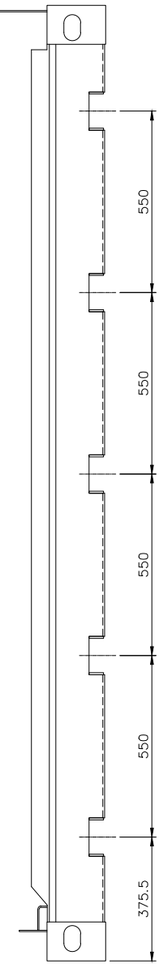
DETAIL OF E
SCALE 1:15

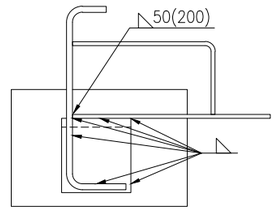
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
14	FORK POCKET REIN.	BA14–00041	8	SPA–H	
13	BTM SIDE RAIL REIN	GP02–00071	4	SPA–H	
12	CONNECTING PLATE	LT19–30003	2	AA5052–H32	
11	BLOCK	LT07–00006	1	PE	
10	REAR SILL PVC	GP05–00075	1	PVC	
09	REAR GUTTER	GP04–00078	1	AA6061–T6	
08	SEALANT	–	/	MS	GREY
07	TAPE	LT13–01001	2M	PVC	1.5X20
06	SEALED TYPE BLIND RIVET	LB05–05035	16	SUS304	ϕ6.4X15
05	LASHING RING	LT99–08001	4		
04	FLOOR RAIL (SIDE)	GP03–00098	2	AA6061–T6	
03	DOOR STOP LINK	LT24–00002	2	SS400 EZP	
02	REAR DOUBLE PLATE	GP01–50073/50074	1+1	SPA–H	
01	FRONT DOUBLE PLATE	GP01–00003	2	SPA–H	

TITLE	GENERAL PART	SIZE	A3	PAGE	1/1
DWG. NO.	GP–4026–00164	SCALE	1:50	REV	B
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD	
SPECIAL CHARACTERISTIC		CHECK		APPROVED	
		PROCESS		DATE	

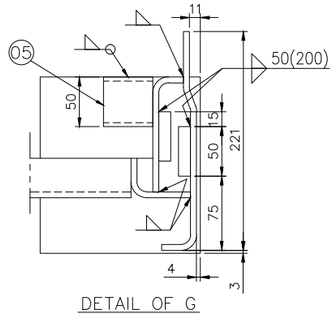
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE



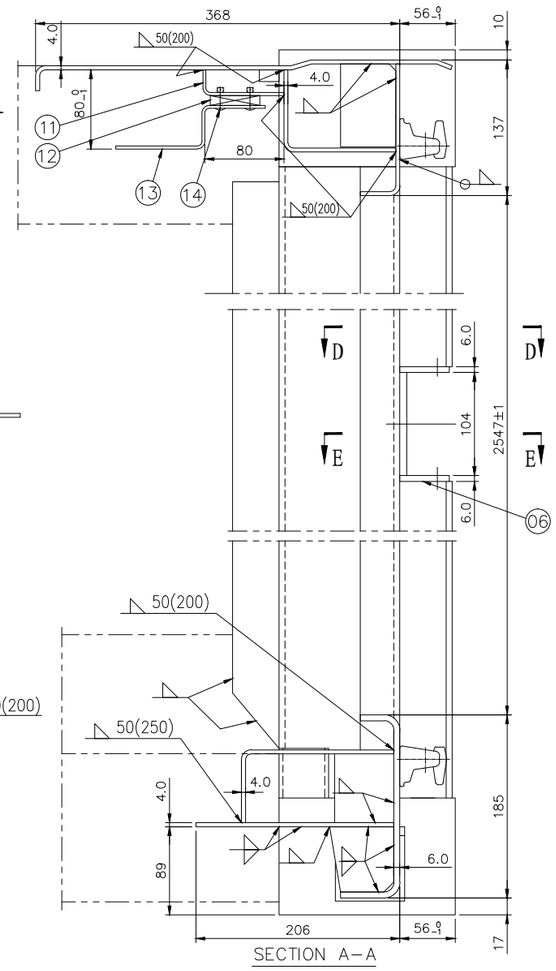




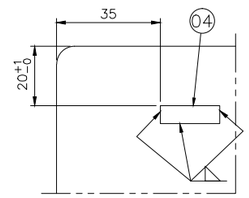
SECTION C–C
SCALE 1:6



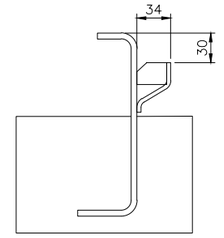
DETAIL OF G
SCALE 1:6



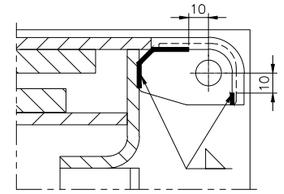
SECTION A–A
SCALE 1:6



SECTION F–F
SCALE 1:2

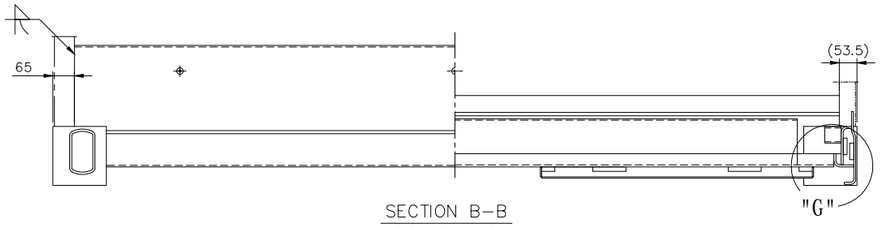


SECTION G–G
SCALE 1:6

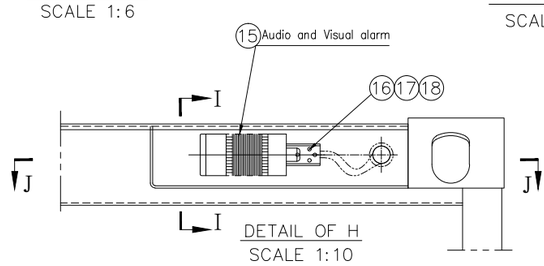


SECTION D–D
SCALE 1:3

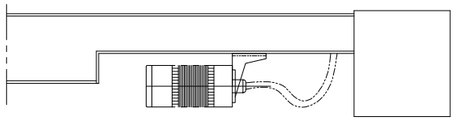
SECTION E–E
SCALE 1:3



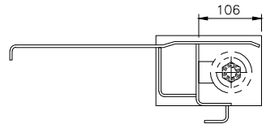
SECTION B–B
SCALE 1:18



DETAIL OF H
SCALE 1:10



SECTION J–J
SCALE 1:10

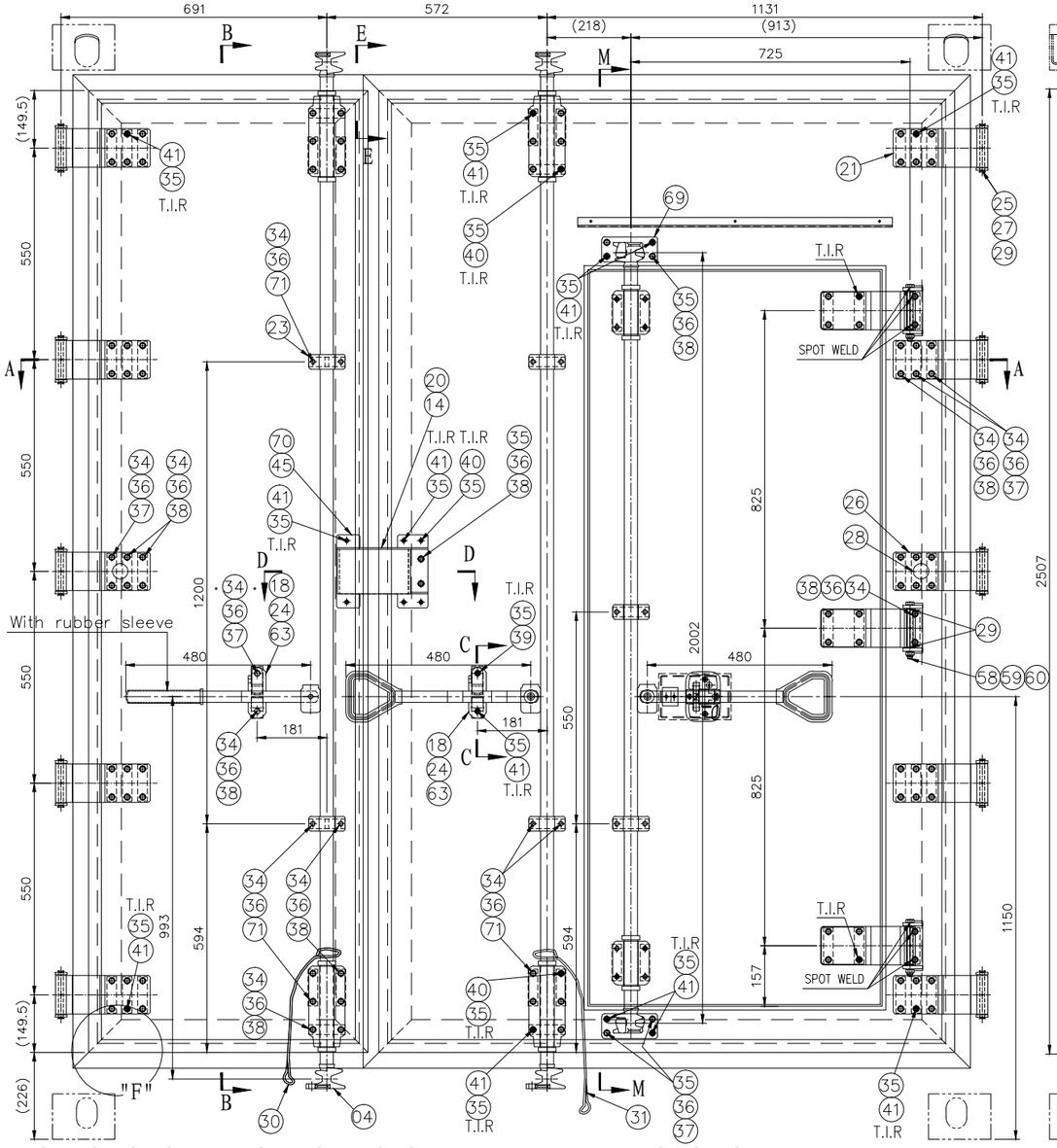


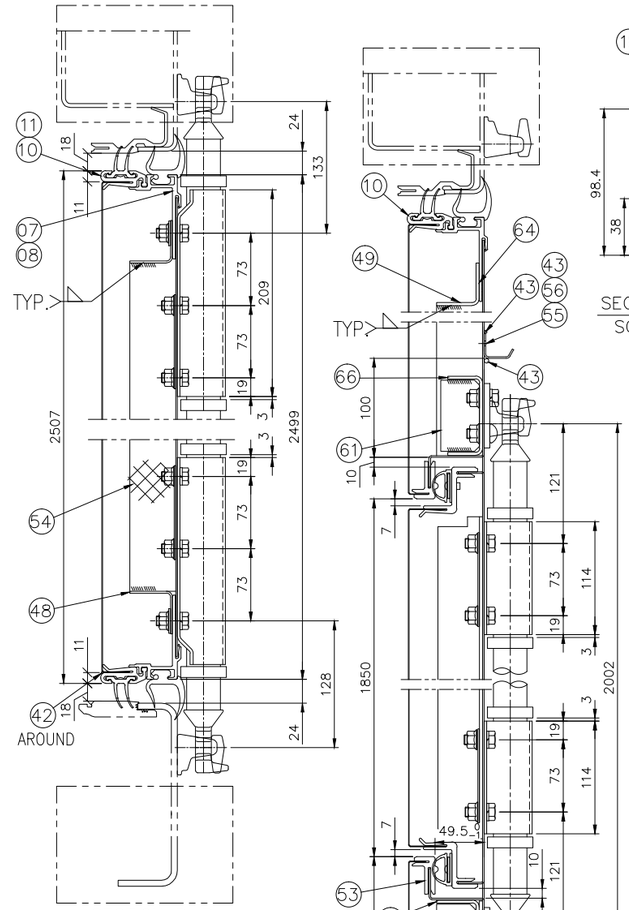
SECTION I–I
SCALE 1:10

ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
18	SPRING WASHER	LB04–02040	3	SUS304	D5
17	WASHER	LB04–01052	3	SUS304	D5
16	BOLT	LB02–02038	3	SUS304	M5X16
15	AUDIO AND VISUAL ALARM	LT09–23005	1		
14	SELF–TAPPING SCREW	LB05–06003	15	SUS304	ϕ6.4X25.4
13	REINFORCING ASSEMBLY	LT20–00457	1	SPA–H	
12	PE BLOCK	LT07–00015	1	PE	
11	CURTAIN SUPPORTED	LT20–00456	1	SPA–H	
10	CORNER FITTING	LT25–00001/00002	1+1	SCW 480	
09	CORNER FITTING	LT25–00003/00004	1+1	SCW 480	
08	KEEPER R.H	LT03–10002	2		
07	KEEPER L.H	LT03–00035	2		
06	LUG	RF07–00033/00034	10+10	MGSS	
05	BOTTOM REIN.	LT17–80036	2	SPA–H	
04	ANGLE SUPPORTING TOP SIDE RAIL	LT19–30046	2	SPA–H	
03	REAR BOTTOM RAIL ASSEMBLY	RF30–00195	1	SS400/SPA–H	
02	REAR CORNER POST ASSEMBLY	RF20–00070/00071	1+1	SPA–H/SM490A	
01	REAR TOP RAIL ASSEMBLY	RF10–00174	1	SPA–H	

TITLE	REAR FRAME ASSMBLY	SIZE	A3	PAGE	1/1
DWG. NO.	RF–0026–00232	SCALE	1:18	REV	A
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD	
SPECIAL CHARACTERISTIC		CHECK		APPROVED	
		PROCESS		DATE	

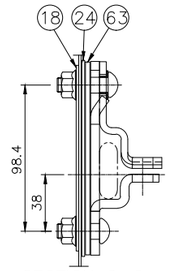
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE



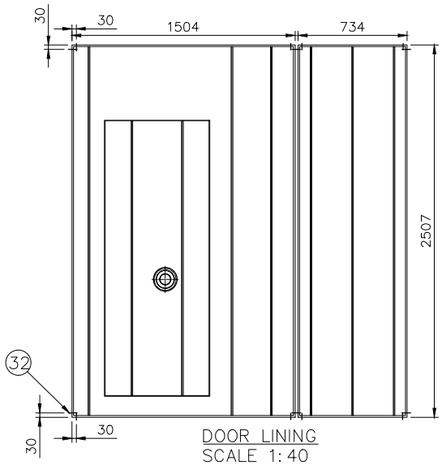


SECTION B–B
SCALE 1:6

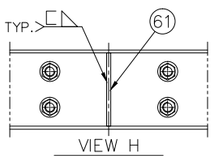
SECTION M–M
SCALE 1:6



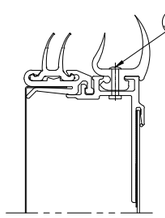
SECTION C–C
SCALE 1:4



DOOR LINING
SCALE 1:40

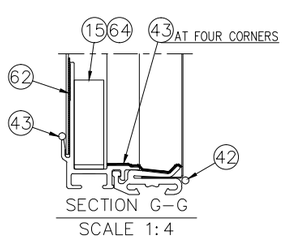


VIEW H
SCALE 1:6

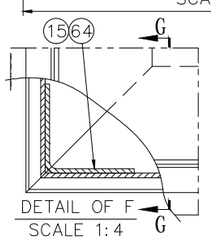


SECTION A–A
SCALE 1:10

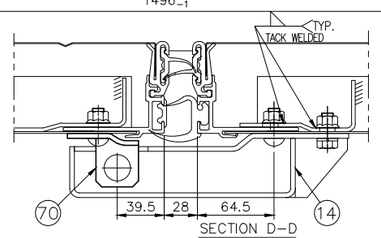
SECTION E–E
SCALE 1:4



SECTION G–G
SCALE 1:4



DETAIL OF F
SCALE 1:4



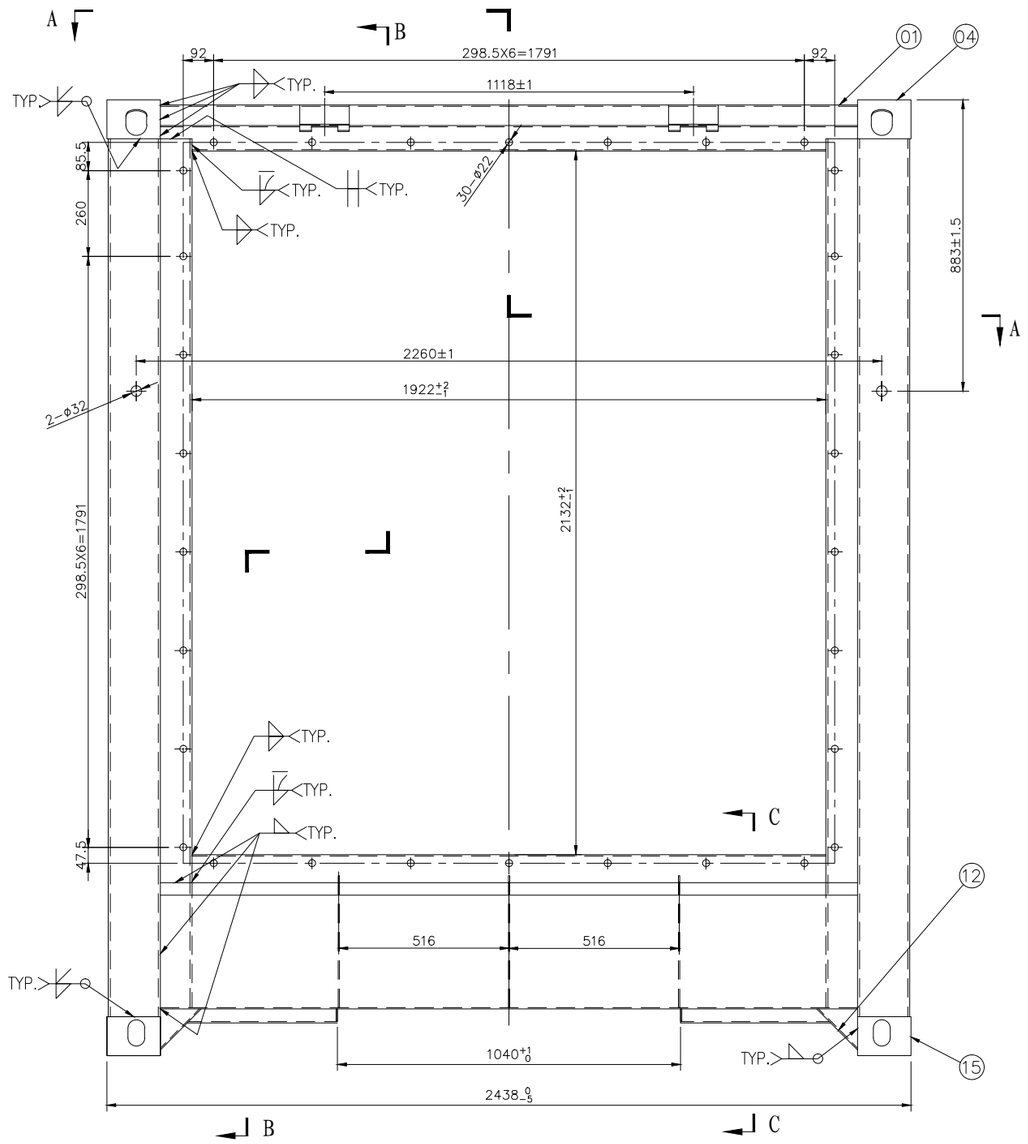
SECTION D–D
SCALE 1:5

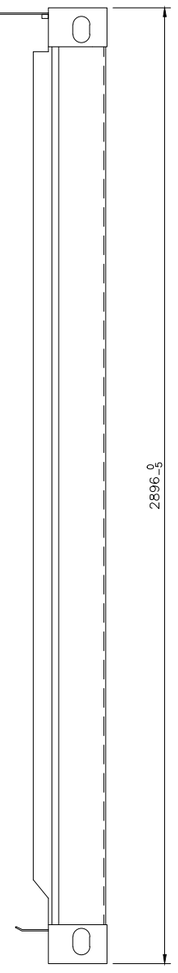
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

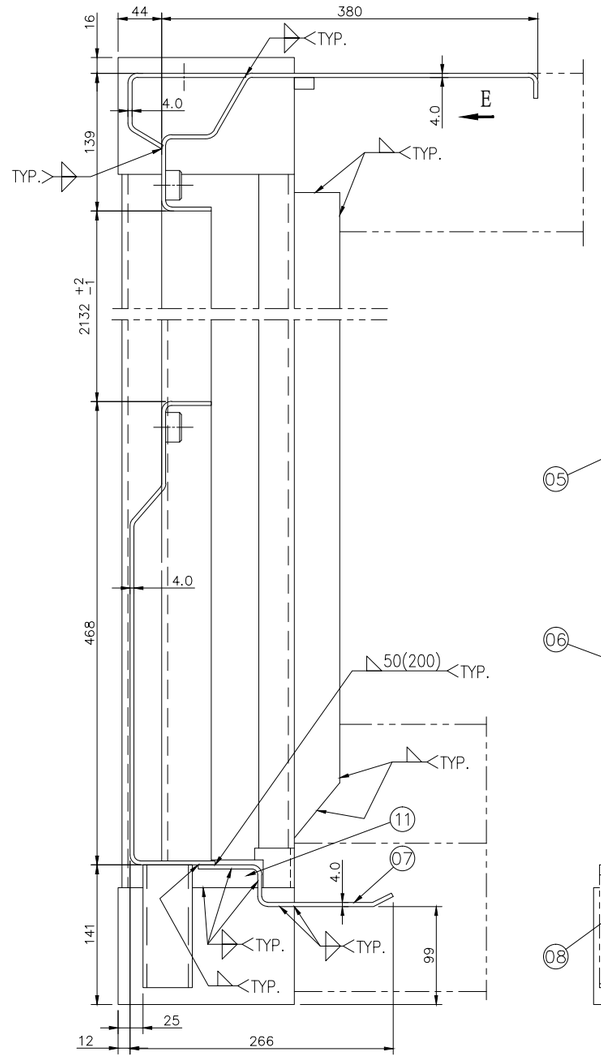
71	HEXA HEAD SCREW	LB01–01001	16	SUS 304	M10X25
70	SUPPORTING PLATE	LT19–30454	1	SPA–H HDG	
69	S/L BRACKET OUTER SHIM	LT13–02084	2	FOAM PVC	
68	ALU. DOOR FRAME (HORIZONTAL)	DA07–50119	1	AA6061–T6	
67	SUPPORTING PLATE	LT19–30452	2	AA5052–H32	
66	HORIZONTAL BEAM	DA05–50082	1	SPA–H	
65	HORIZONTAL BEAM	DA05–50081	1	SPA–H	
64	CYAN GUM	–	/	/	
63	PLATE	LT19–30554	2	SPA–H HDG	
62	FOAM TAPE (ONE SIDE ADHESIVE)	LT13–01039	14.5M	PVC	1.5X50
61	KEEPER REINFORCEMENT PLATE	RF09–30061	2	SPA–H	
60	NUT	LB03–03031	3	SUS 304	M12
59	FLAT WASHER	LB04–01036	3	SUS 304	D12
58	HEXA HEAD SCREW	LB01–01077	3	SUS 304	M12x140
57	Backing strap	LT13–02080	3	FOAM PVC	

56	SEALED TYPE BLIND RIVET	LB05–01002	3	SUS 304	ϕ4.8X12
55	Angle steel	LT20–00548	1	SPA–H	
54	FOAM	–	A/R	PU	50–55 KG/Cu.
53	PVC DOOR FRAME (HORIZONTAL)	DA08–50115	2	PVC	
52	PVC DOOR FRAME (VERTICAL)	DA08–00188	2	PVC	
51	Small door assembly	DA60–00060	1	/	
50	Exterior door	DA30–00110	1	MGSS	
49	HORIZONTAL ANGLE–1	DA03–50205	1	SPA–H	
48	HORIZONTAL ANGLE–1	DA03–50176/50177	1+1	SPA–H	
47	VERTICAL ANGLE	DA05–00500	1	SPA–H	
46	VERTICAL BEAM	DA05–00514	1	SPA–H	
45	TIR PLATE OUTER SHIM t2.0	LT13–02086	1	FOAM PVC	
44	VERTICAL ANGLE	DA03–00166	2	SPA–H	
43	SEALANT	–	A/R	SILICONE	WHITE
42	SEALANT	–	A/R	MS	WHITE
41	ROUND HEAD SCREW	LB01–99002	15	SUS 304	M10X30
40	ROUND HEAD SCREW	LB01–99001	4	SUS 304	M10X25
39	ROUND HEAD SCREW	LB01–99039	1	SUS 304	M10X35
38	HEXA HEAD SCREW	LB01–01002	59	SUS 304	M10X30
37	HEXA HEAD SCREW	LB01–01003	23	SUS 304	M10X35
36	SPRING WASHER	LB04–02004	98	SUS 304	D10
35	NUT	LB03–02001	26	SS400	M10
34	NUT	LB03–11001	92	SS400	M10
33	SEALED TYPE BLIND RIVET	LB05–01005	2	Al	ϕ4.8X25.4
32	SEALED TYPE BLIND RIVET	LB05–01003	16	Al	ϕ4.8X15
31	DOOR HOLDER	LT06–02003	1	NYLON	
30	DOOR HOLDER	LT06–02001	1	NYLON	
29	DOOR HINGE WASHER	LB04–99001	26	SUS 304	
28	ANTI–BUMP RUBBER	LT10–02032	2	EPDM	
27	DOOR HINGE PIN	LB08–99003	10	SUS 304	ϕ12.2
26	DOOR HINGE WITH HOLE	LT02–10044	2	SS400–HDG	
25	DOOR HINGE	LT02–00070	8	SS400–HDG	
24	S/L BRACKET OUTER SHIM	LT13–02005	2	FOAM PVC	
23	S/L BRACKET OUTER SHIM	LT13–02004	4	FOAM PVC	
22	L/G BRACKET OUTER SHIM	LT13–02003	4	FOAM PVC	
21	HINGE OUTER SHIM	LT13–02051	10	FOAM PVC	
20	TIR PLATE OUTER SHIM	LT13–02087	1	FOAM PVC	
19	LUG	RF07–00053	3	SUS304	
18	H/RETAINER T/METAL PLATE	DA06–20031	2	SPA–H	
17	DOOR LINING	DA70–00043	1	BNDDQ	
16	FLAT	DA06–00020	49	SPA–H	
15	ALUMINUM ANGLE	LT21–00416	8	AA5052–H32	
14	BOX	LT18–00247	1	SPA–H HDG	
13	VERTICAL BEAM	DA05–00511	1	SPA–H	
12	VERTICAL BEAM	DA05–00513	1	SPA–H	
11	PVC DOOR FRAME (HORIZONTAL)	DA08–50113	2	PVC	
10	ALU. DOOR FRAME (HORIZONTAL)	DA08–50112	2	PVC	
09	ALU. DOOR FRAME (VERTICAL)	DA08–00132	4	PVC	
08	ALU. DOOR FRAME (HORIZONTAL)	DA07–50112	1	AA6061–T6	
07	ALU. DOOR FRAME (HORIZONTAL)	DA07–50111	2	AA6061–T6	
06	ALU. DOOR FRAME (VERTICAL)	DA07–00132	4	AA6061–T6	
05	DOOR OUTER GASKET	LT05–00248	1	EPDM	
04	LOCK ROD ASSEMBLY	LT01–00578	1		
03	DOOR LINING	DA02–00215	1	BNDDQ	
02	DOOR INNER GASKET	LT04–00118	1	EPDM	
01	DOOR PANEL ASSEMBLY	DA30–00109	1	MGSS	
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK

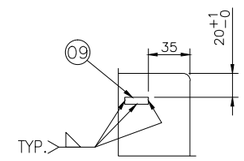
TITLE	DOOR ASSEMBLY	SIZE	A3	PAGE	1/1
DWG. NO.	DA–0026–00259	SCALE	1:50	REV	E
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD	
SPECIAL CHARACTERISTIC		CHECK		APPROVED	
		PROCESS		DATE	



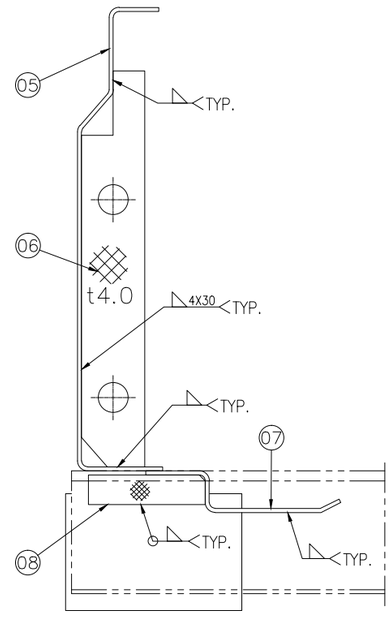




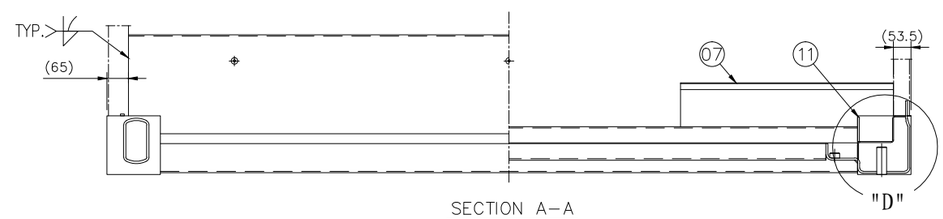
SECTION B–B
SCALE 1:6



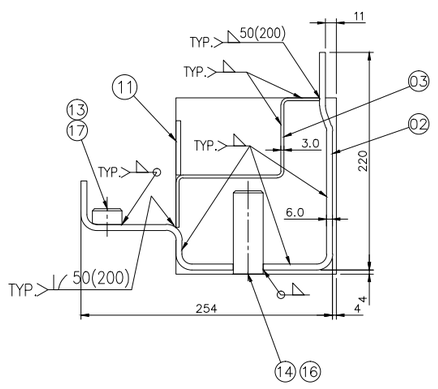
VIEW E
SCALE 1:5



SECTION C–C
SCALE 1:6



SECTION A–A
SCALE 1:18

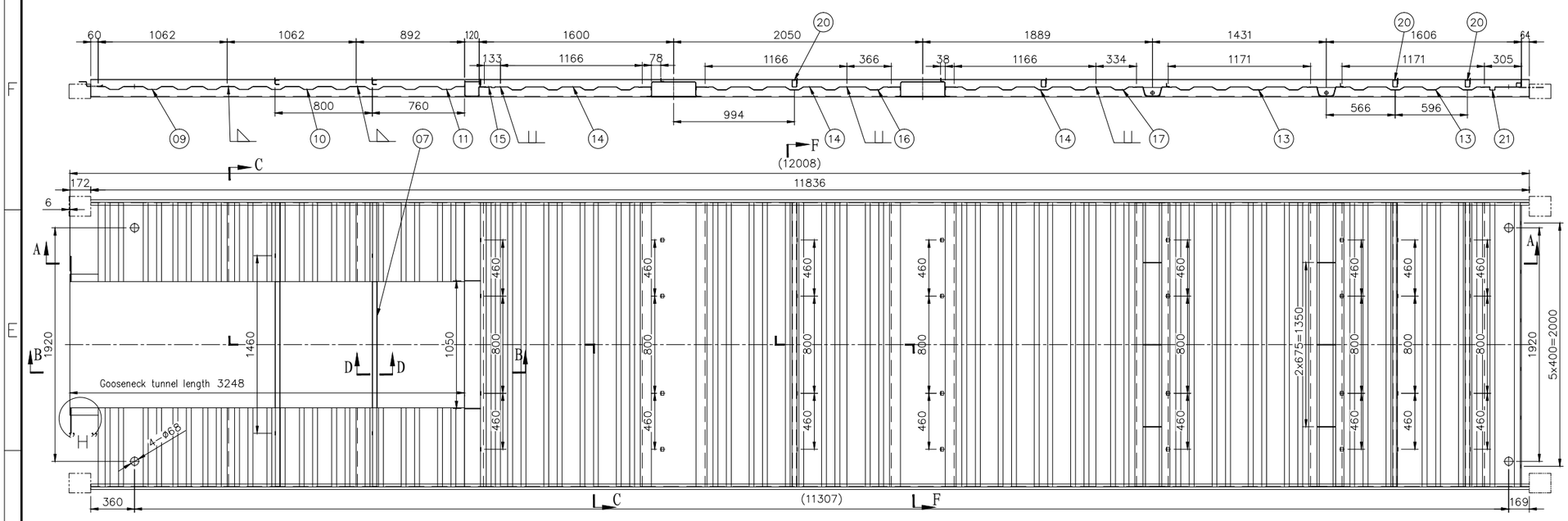


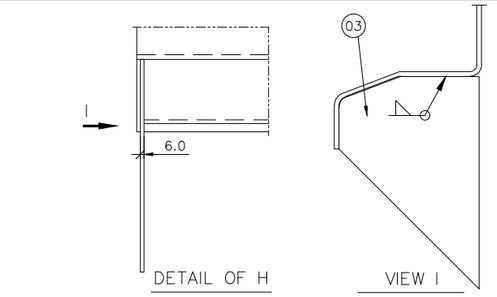
DETAIL OF D
SCALE 1:6

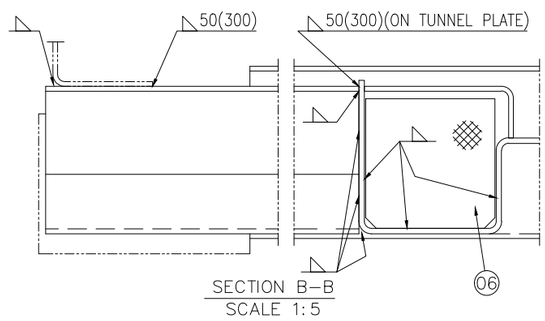
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
17	REEFER UNIT NUT PLUG	LT10-03002	30	PVC	ϕ16X9
16	GENERATOR FITTING NUT PLUG	LT10-03034	2	PVC	
15	CORNER FITTING	LT25-00003/00004	1+1	SCW 480	
14	NUT MOUNTING GENERATOR	LB03-99061	2	SUS 304	3/4"-10UNC
13	NUT MOUNTING UNIT	LB03-99058	30	SS400	M16
12	STACKING CONE	LT17-30043	2	SPA-H	
11	CLOSING PLATE	LT19-60058	2	SPA-H	
09	ANGLE SUPPORTING TOP SIDE RAIL	LT19-30046	2	SPA-H	
08	CLOSING PLATE	FF07-00031	2	SPA-H	
07	FRONT BOTTOM RAIL (LOWER)	FF05-00133/00134	1+1	SPA-H	
06	FRONT BOTTOM RAIL REIN.	FF06-00053	3	SPA-H	
05	FRONT BOTTOM RAIL (OUTER)	FF04-00075	1	SPA-H	
04	CORNER FITTING	LT25-00031/00032	1+1	SCW 480	
03	FRONT CORNER POST (INNER)	FF03-30042	2	SPA-H	
02	FRONT CORNER POST (OUTER)	FF03-00145/00146	1+1	SPA-H	
01	FRONT TOP RAIL ASSEMBLY	FF10-00034	1	SPA-H/MGSS	

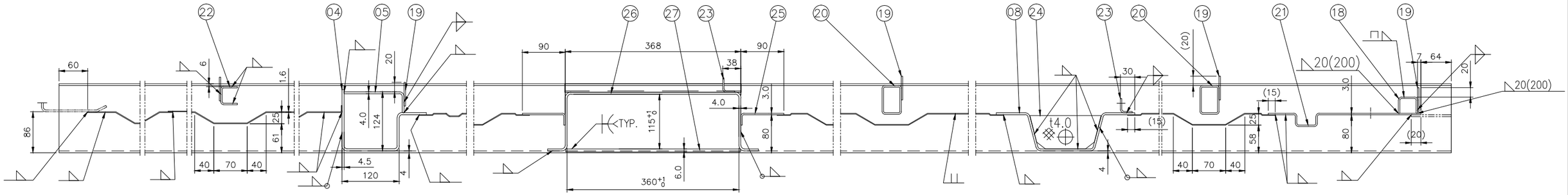
TITLE: FRONT FRAME ASSEMBLY	SIZE	A3	PAGE	1/1
DWG. NO. FF-0026-00117	SCALE	1:18	REV	E
◇ CRITICAL CHARACTERISTIC	DESIGN		STANDARD	
SPECIAL CHARACTERISTIC	CHECK		APPROVED	
	PROCESS		DATE	

MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

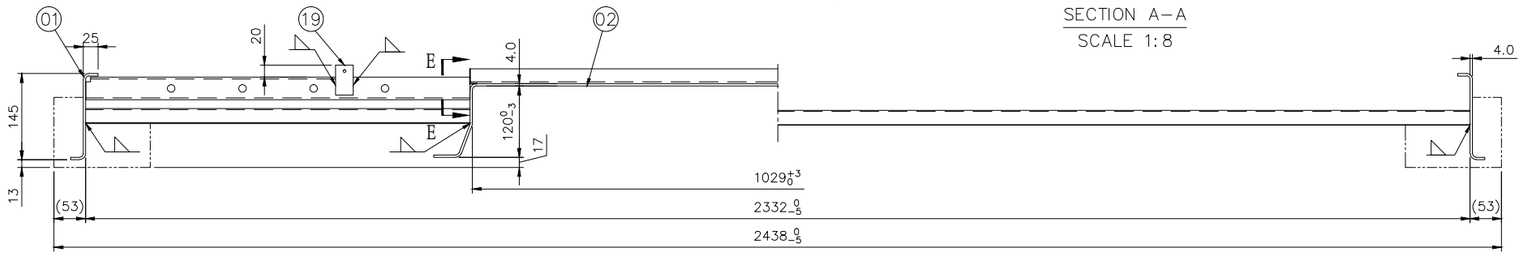




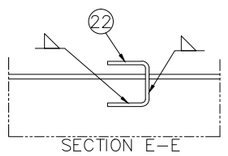




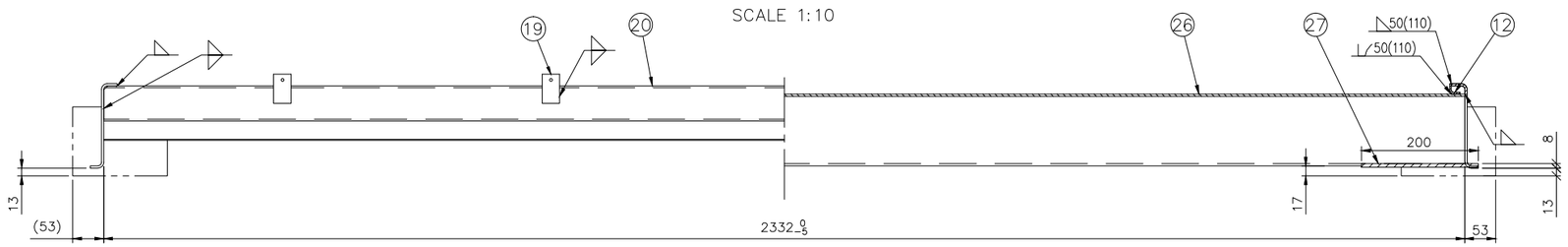
SECTION A-A
SCALE 1:8



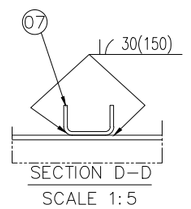
SECTION C-C
SCALE 1:10



SECTION E-E
SCALE 1:5



SECTION F-F
SCALE 1:10

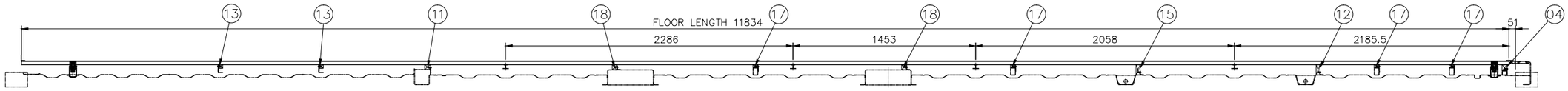


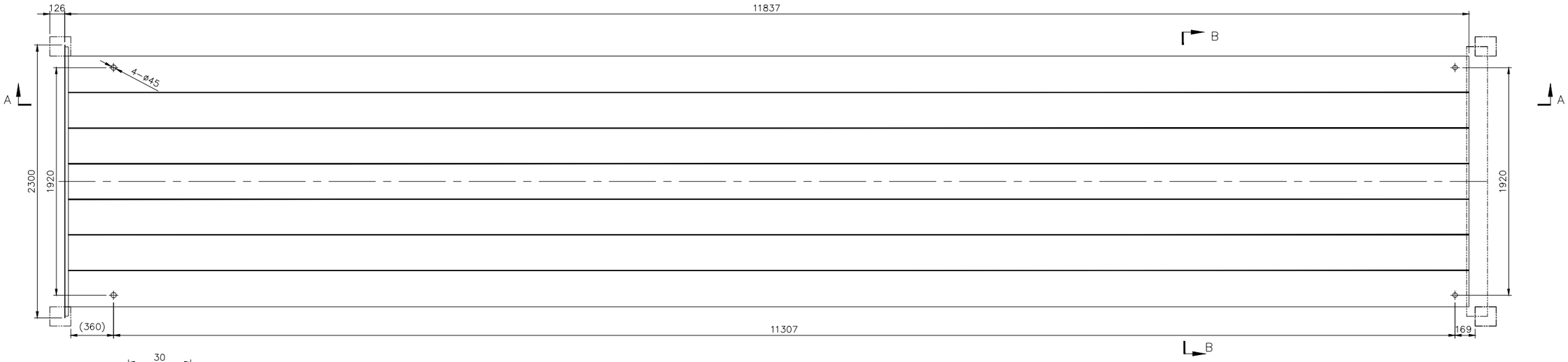
SECTION D-D
SCALE 1:5

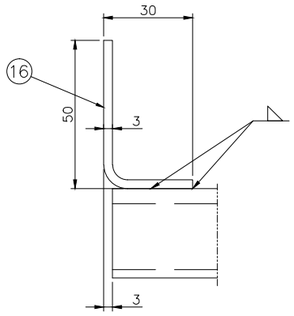
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
24	LOAD TRANSFER AREA MEMBER STIFFENER	BA09-00001	6	SPA-H	
23	SUPPORT ANGLE-1	BA08-00002	16	SPA-H	
22	LOAD TRANSFER AREA MEMBER	BA05-00219/00220	2+2	SPA-H	
21	CONNECTING PLATE (REAR)	BA12-00083	1	SPA-H	
20	SQUARE TUBE	LT12-03559	4	Q235B	3.0x40x60
19	SUPPORT ANGLE-2	BA08-00040	30	SPA-H	
18	SUPPORT ANGLE-2	BA05-00206	1	SPA-H	
17	BASE PANEL-1	BA06-50477	1	SPA-H	
16	BASE PANEL-1	BA06-50476	1	SPA-H	
15	BASE PANEL-1	BA06-50481	1	SPA-H	
14	BASE PANEL-1	BA06-50474	3	SPA-H	
13	BASE PANEL-1	BA06-50279	2	SPA-H	
12	FORK POCKET STIFFENER	LT20-00466	4	SPA-H	
11	OUTRIGGER BASE PANEL-2	BA06-00290	2	SPA-H	
10	OUTRIGGER BASE PANEL-2	BA06-00289	2	SPA-H	
09	OUTRIGGER BASE PANEL-1	BA06-00291/00292	1+1	SPA-H	
08	LOAD TRANSFER AREA MEMBER	BA05-00110	2	SPA-H	
07	LOAD TRANSFER AREA MEMBER	LT17-30258	2	SPA-H	
06	TUNNEL BOLSTER STIFFENER	BA09-50035	2	SPA-H	
05	TUNNEL BOLSTER (UPPER)	BA03-50076	1	SPA-H	
04	TUNNEL BOLSTER (LOWER)	BA03-00060	1	SPA-H	
03	TUNNEL PLATE STIFFENER	BA07-00035/00048	1+1	SPA-H	
02	TUNNEL PLATE	BA02-00001	1	SPA-H	
01	BTM SIDE RAIL (LOWER)	BA01-00203/204	1+1	SPA-H	
27	FORK POCKET (LOWER)	BA13-50001	4	SPA-H	
26	FORK POCKET (UPPER)	BA13-00001	2	SPA-H	
25	BASE PANEL SUPPORTER	BA08-60001	4	SPA-H	

MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

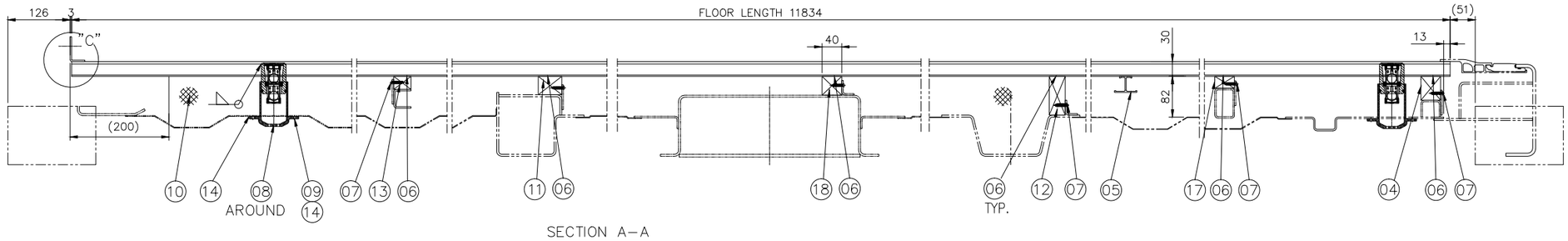
TITLE	BASE FRAME ASSEMBLY	SIZE	A3	PAGE 1/1
DWG. NO.	BA-4020-00163	SCALE	1:40	REV D
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD
SPECIAL CHARACTERISTIC		CHECK		APPROVED
		PROCESS		DATE



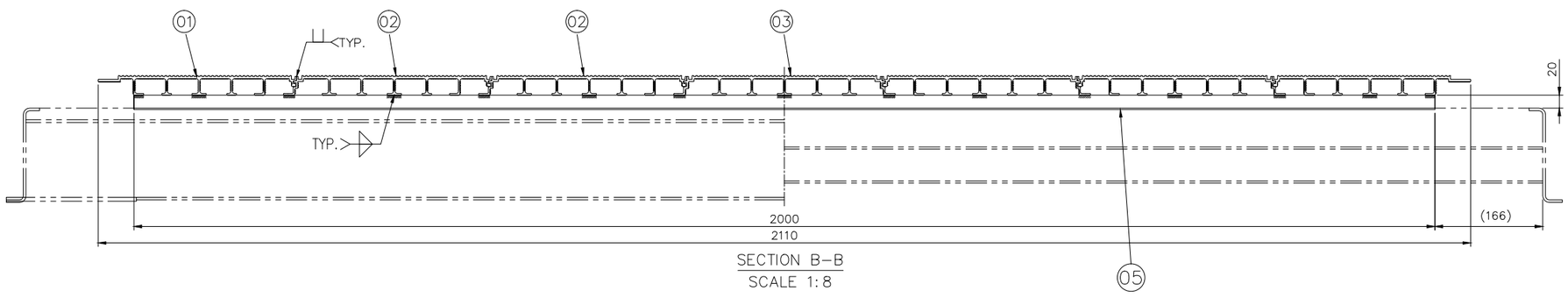




DETAIL OF C
SCALE 1:2



SECTION A-A
SCALE 1:10

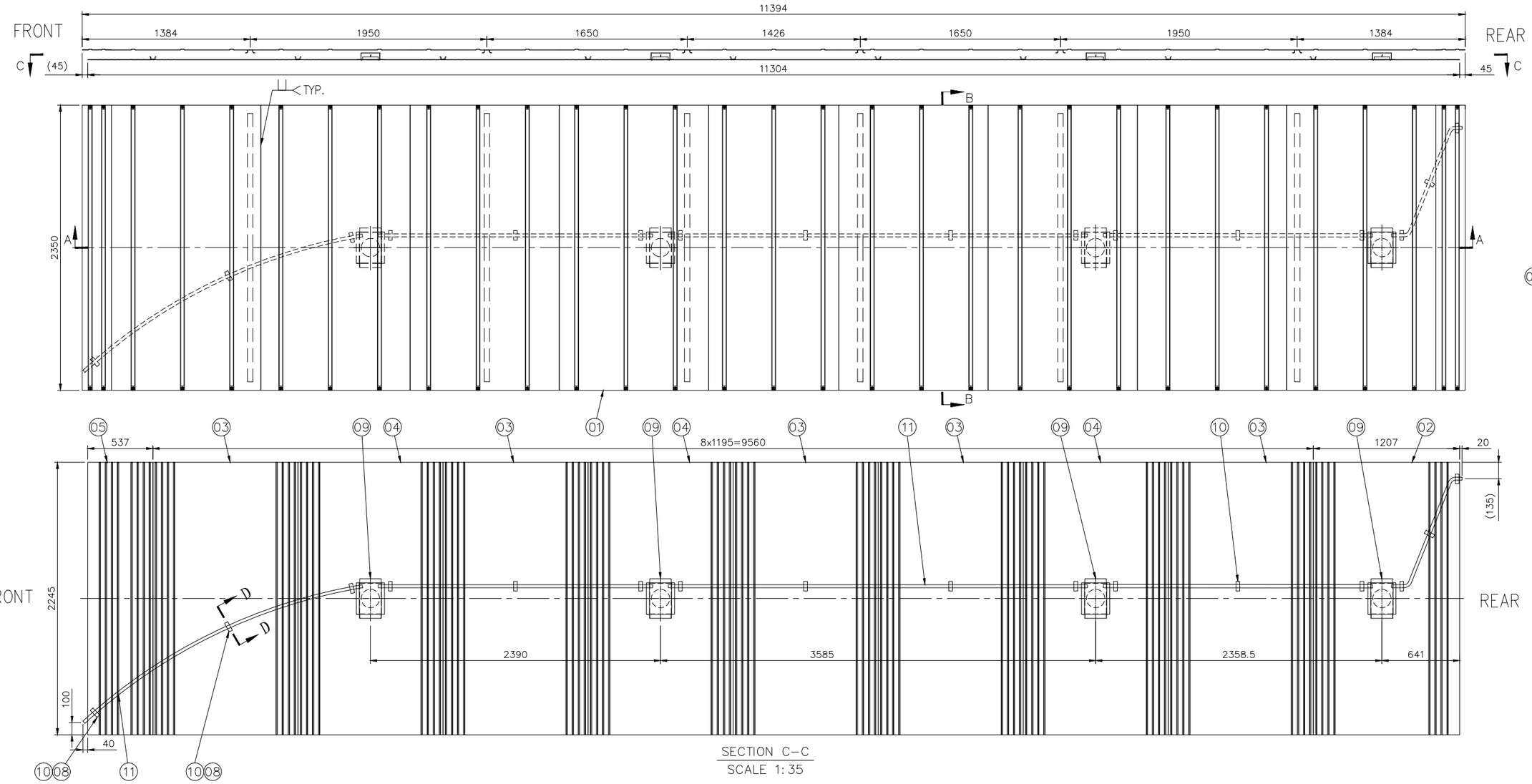


SECTION B-B
SCALE 1:8

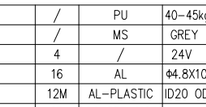
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
18	FLOOR FILLER (TUNNEL)	LT07-00339	2	PE	
17	FLOOR FILLER (TUNNEL)	LT07-00500	4	PE	
16	CLOSE PLATE (FRONT)	TF07-00005	1	AA5052-H32	
15	FLOOR FILLER (TUNNEL)	LT07-00204	1	PE	
14	SEALING COMPOUND	-	/	SILICONE	WHITE
13	FLOOR FILLER (TUNNEL)	LT07-00407	2	PE	
12	FLOOR FILLER	LT07-00011	1	PE	
11	FLOOR FILLER (TUNNEL)	LT07-00464	1	PE	
10	FOAM	-	/	PU	50-55KG/Cu.M
09	SEALED TYPE BLIND RIVET	LB05-01004	16	SUS304	ϕ4.8X15
08	DRAIN PIPE ASSEMBLY	LT22-10031	4		
07	TAPPING SCREW	LB02-04001	46	STEEL-EZP	ST4.8X25-GB845
06	STRUCTRUAL ADHESIVE	-	/	PU	
05	FLOOR BOW	TF06-00001	4	AA6061-T6	
04	FLOOR FILLER	LT07-00341	1	PE	
03	FLOOR RAIL (CENTER)	TF01-40001	1	AA6061-T6	
02	FLOOR RAIL (MAIN)	TF01-20001	4	AA6061-T6	
01	FLOOR RAIL WITH HOLE	TF01-00222/223	1+1	AA6061-T6	

TITLE: FLOOR ASSEMBLY	SIZE	A3	PAGE	1/1
DWG. NO. TF-4020-00128	SCALE	1:50	REV	C
◇ CRITICAL CHARACTERISTIC	DESIGN		STANDARD	
SPECIAL CHARACTERISTIC	CHECK		APPROVED	
	PROCESS		DATE	

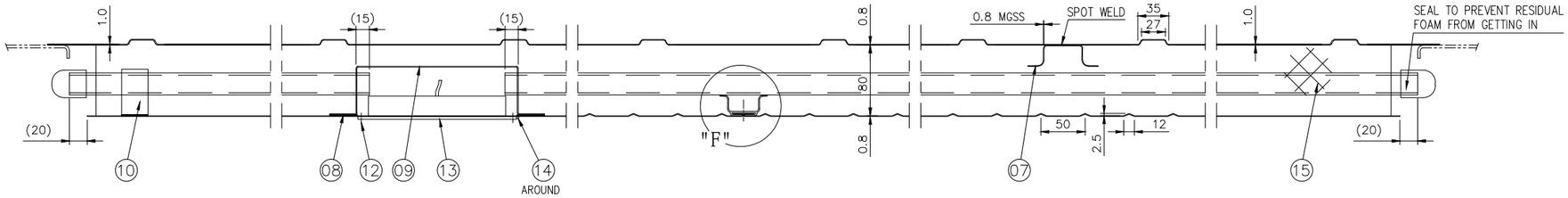
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

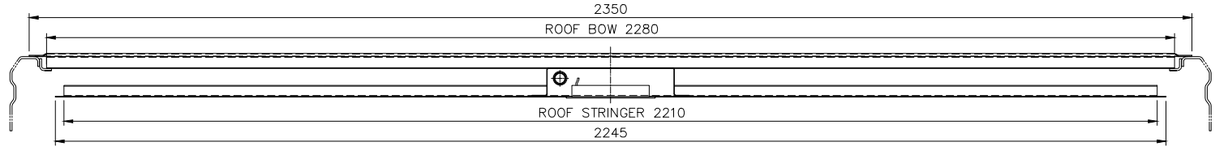


SECTION C–C
SCALE 1:35

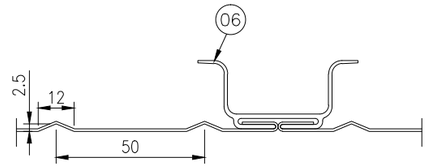


SECTION D–D
SCALE 1:4





SECTION B–B
SCALE 1:12

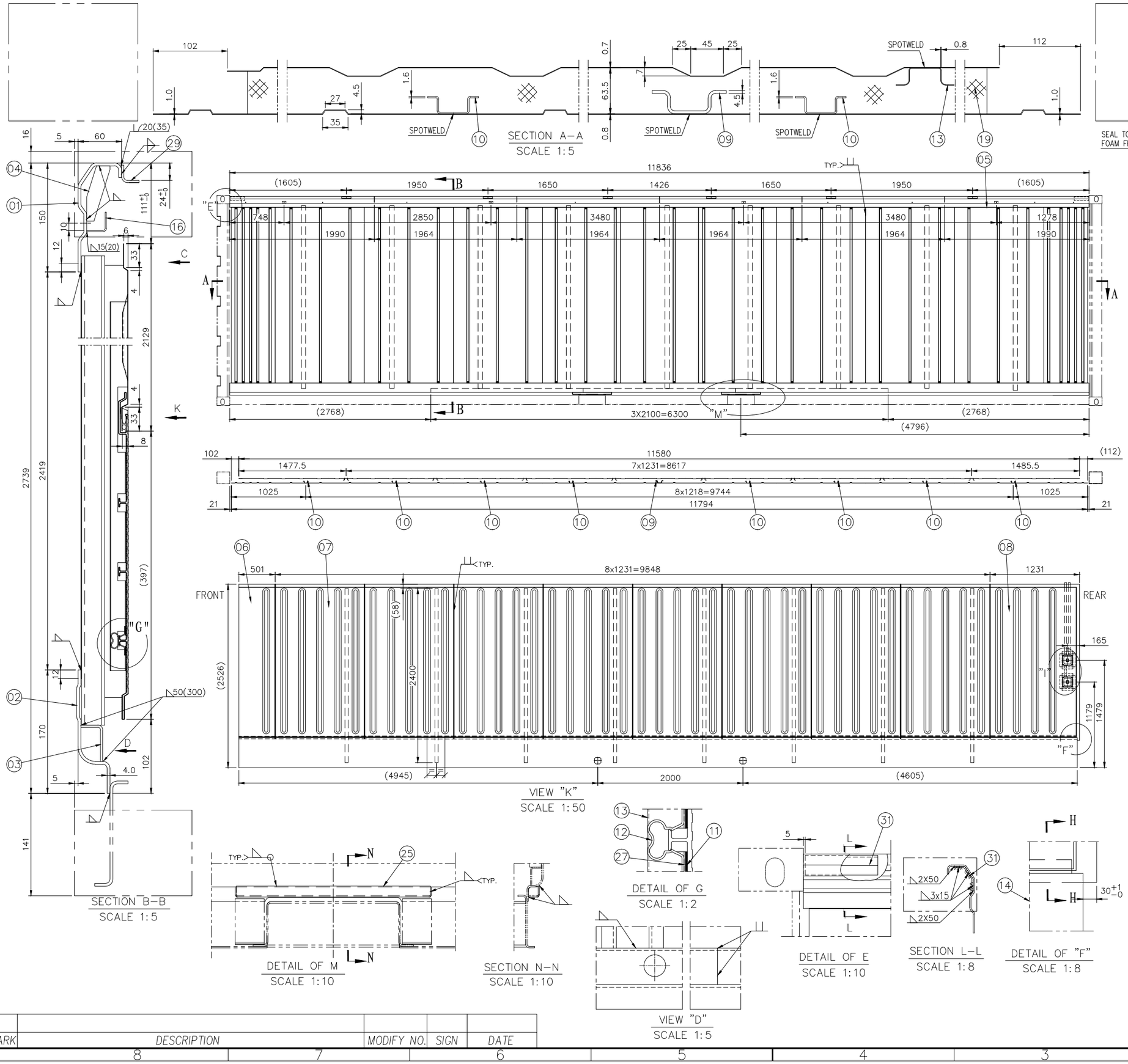


DETAIL OF F
SCALE 1:2

ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
15	FOAM	–	/	PU	40–45kg/Cu.m
14	SEALANT	–	/	MS	GREY
13	LAMP	LT09–01032	4	/	24V
12	MONOBOLT	LB05–02002	16	AL	Φ4.8X10
11	AL–PLASTIC PIPE	LT99–06001	12M	AL–PLASTIC	ID20 OD25
10	OMEGA PROTECTER	LT17–10090	16	AA5052–H46	
09	LAMP BOX	LT18–00040	4	AA5052–H46	
08	BI–ADHESIVE TAPE	LT13–01004	5.5M	PE	1X30
07	ROOF BOW	RA04–00038	6	MGSS	
06	ROOF STRINGER	RA03–00001	9	AA6063–T5	
05	ROOF LINING(SIDE)	RA02–50115	1	AA5052–H46	
04	ROOF LINING(MAIN)	RA02–00046	3	AA5052–H46	
03	ROOF LINING(MAIN)	RA02–00045	5	AA5052–H46	
02	ROOF LINING(SIDE)	RA02–50119	1	AA5052–H46	
01	ROOF PANEL ASSEMBLY	RA10–00091	1	MGSS	

TITLE	ROOF ASSEMBLY	SIZE	A3	PAGE 1/1
DWG. NO.	RA–4020–00139	SCALE	1:35	REV D
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD
SPECIAL CHARACTERISTIC		CHECK		APPROVED
		PROCESS		DATE

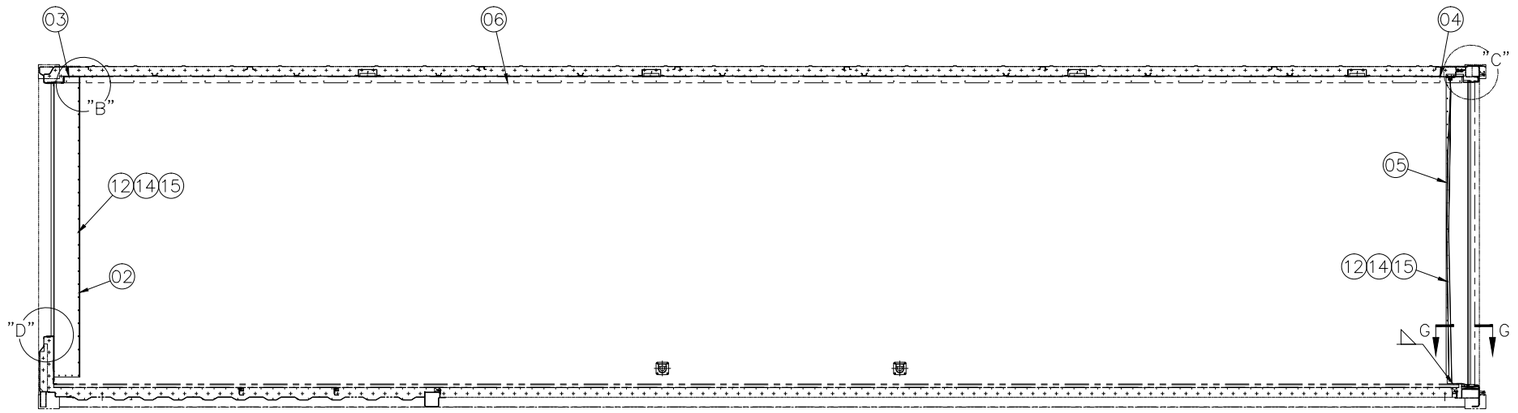
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

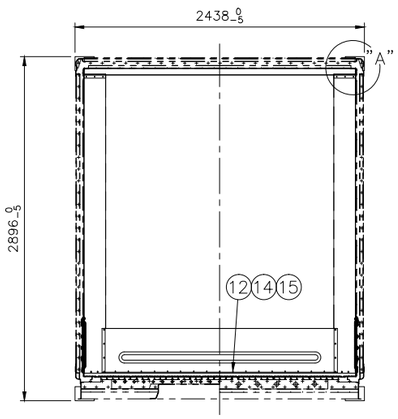


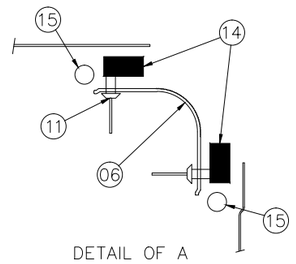
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
31	TOP SIDE RAIL REIN	SW02-00044/00045	1+1	SPA-H	
30	INSU. TAPE (ONE SIDE ADHESIVE)	LT13-01009	11.5M	PE	0.13X20
29	ROOF BOW SUPPORTER	SW07-00036	6	SPA-H	
28	SWITCH BOX	LT18-00225	1	BNDDQ	
27	TAPE	LT13-05002	0.2M	PE	1.0X20
26	SEALANT	–	A/R	MS	GREY
25	ANGLE PLATE	LT20-00566	2	SPA-H	
24	SWITCH BOX(OUTER)	LT18-00143	2	BNDDQ	
23	AL-PLASTIC PIPE	LT99-06001	2.2M	AL-PLASTIC	ID20 OD25
22	SEALED TYPE BLIND RIVET	LB05-01002	8	SUS304	ϕ4.8X12
21	SWITCH	LT09-17002	2	/	
20	SWITCH BOX	LT18-00142	1	BNDDQ	
19	FOAM	–	/	PU	45-50kg/Cu.m
18	FLASHING SIDE GASKET	LT10-01001	11.5M	EPDM	
17	FLASHING SIDE SPACER	SW09-00040	10.5M	PVC	
16	ANGLE PLATE	LT20-00441	4	SPA-H	
15	INSU. TAPE (ONE SIDE ADHESIVE)	LT13-01005	11.5M	PE	0.13X38
14	SCUFF LINING	SW08-00125/00124	1	AA6061-T6	
13	SIDE STRINGER	SW12-00003	8	MGSS	
12	POST CLIP	LT17-90085	8	AA6063-T5	
11	BI-ADHESIVE STRUCTUAL TAPE	LT13-01004	3m	/	1.0X30
10	SIDE POST	SW11-00125	8	SPA-H	
09	SIDE POST	SW11-00127	1	SPA-H	
08	SIDE LINING (REAR)	SW06-60233/60365	1	BNDDQ	
07	SIDE LINING (MAIN)	SW06-30142	8	BNDDQ	
06	SIDE LINING (FRONT)	SW06-00169	1	BNDDQ	
05	SIDE PANEL ASSEMBLY	SW10-00173	1	MGSS	
04	TOP SIDE RAIL REIN.	SW02-00001	5	SPA-H	
03	BOTTOM SIDE RAIL ANGULAR REIN.	SW04-00001	3	SPA-H	
02	BOTTOM SIDE RAIL (UPPER)	SW03-00221/SW03-00222	1	SPA-H	
01	TOP SIDE RAIL	SW01-00066	1	SPA-H	

TITLE	SIDE WALL ASSEMBLY	SIZE	A3	PAGE	1/1
DWG. NO.	SW-4006-00312	SCALE	1:50	REV	D
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD	
SPECIAL CHARACTERISTIC		CHECK		APPROVED	
		PROCESS		DATE	

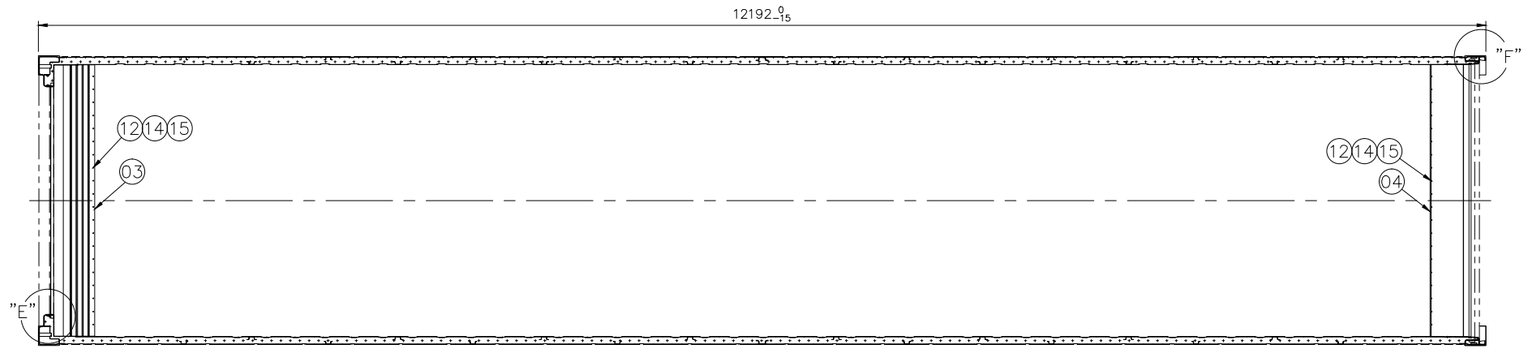
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

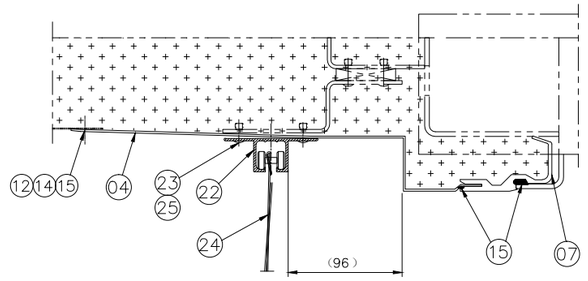




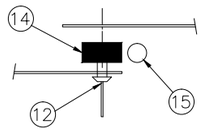


DETAIL OF A
SCALE 1:3

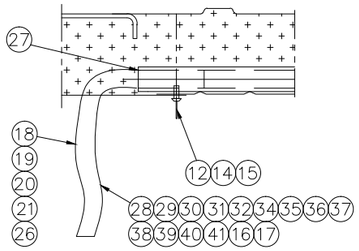




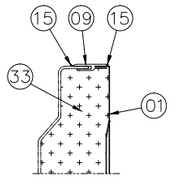
DETAIL OF C
SCALE 1:5



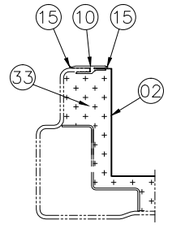
DETAIL OF B
SCALE 1:3



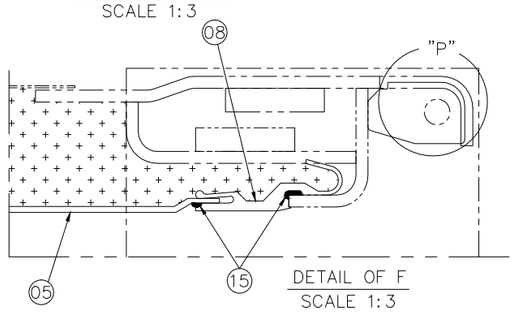
Front end cable diagram



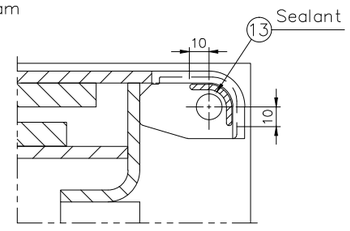
DETAIL OF D
SCALE 1:10



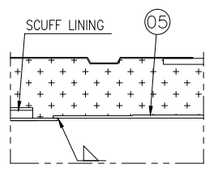
DETAIL OF E
SCALE 1:10



DETAIL OF F
SCALE 1:3



DETAIL OF P
SCALE 1:3



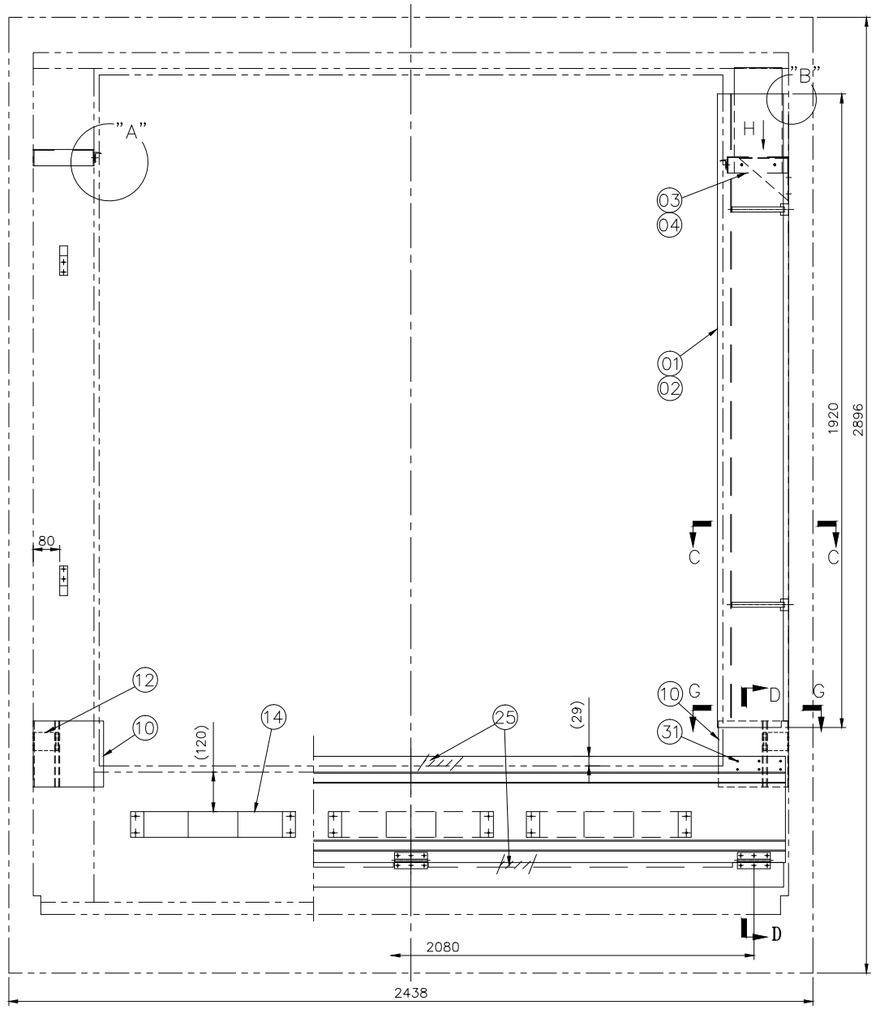
SECTION G-G
SCALE 1:3

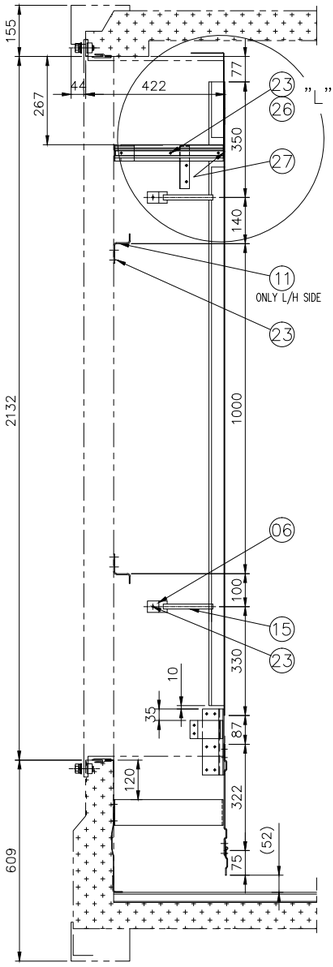
27	INSU. TAPE (ONE SIDE ADHESIVE)	LT13-01009	1M	PE	0.13X20
26	HEXAGON HEAD SELF-TAPPING SCREW	LB02-11002	4	SUS 304	ST4.2*15
25	FLAT WASHER	LT13-03001	22	PE	
24	PORTIERE ASSEMBLY	LT99-07035	1	/	
23	SEALED TYPE BLIND RIVET	LB05-01004	22	SUS304	ϕ4.8X15
22	ALUMINIUM EXTRUDED SECTIONS	LT11-00014	1	AA6061-T6	
21	LED DRIVER	LT09-06001	1	/	
20	DTGA	LT09-05033	6		FD-36
19	WIRE TUBE(BLACK)	LT09-02001	6M	NYLON	ϕ18
18	WIRE	LT09-04032	54M	/	3*1
17	TIES	LT09-19004	25	NYLON	5*250
16	WIRE TUBE(BLACK)	LT09-02034	4M	NYLON	ϕ13
15	SEALANT	–	/	MS	GREY
14	SPONGE TAPE (ONE SIDE ADHESIVE)	LT13-01008	69M	SPONGE	10X25
13	SILICONE RUBBER	–	/	SILICONE	WHITE
12	SEALED TYPE BLIND RIVET	LB05-01001	185	Al	ϕ4.8X12
11	MONOBOLT	LB05-02001	240	AL	ϕ4.8X10
10	FRONT VER. PVC	IC09-00032	2	PVC	
09	FRONT HOR. PVC	IC09-50031	2	PVC	
08	REAR SIDE PVC	IC08-00062	2	PVC	
07	REAR TOP PVC	IC07-00073	1	PVC	
06	CORNER COVER	IC06-00182	2	AA6061-T6	
05	REAR SIDE LINING	IC05-00121/00122	1+1	AA6061-T6	
04	REAR TOP LINING	IC04-00001	1	AA5052-H46	
03	FRONT TOP LINING	IC03-00113	1	AA5052-H46	
02	FRONT SIDE LINING	IC02-00262/00263	1+1	AA5052-H46	
01	FRONT BTM LINING	IC01-00114	1	AA5052-H46	
ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK

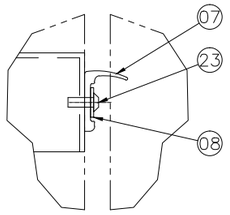
41	CONNECTION TERMINAL	LT09-05037	4	/	
40	WIRE TUBE(BLACK)	LT09-02032	0.7M	NYLON	ϕ15.8
39	HEAT SHRINK TUBE	LT99-36001	0.4M	SBRS	ϕ7.9-G
38	FLAT WASHER	LB04-04034	3	/	5-GB/T96.2
37	FLAT WASHER	LB04-04033	4	/	D4
36	WATERPROOF BELLOWS JOINT	LT09-22003	1	/	PG11
35	WIRE	LT09-04039	1.2M	/	1*1mm²
34	TRACK	LT09-24001	0.2M	SUS304	TF35-7.5
33	RESIDUAL FOAM	–	/	PU	40-45KG/Cu.M
32	LOCKNUT	LB03-10001	3	SUS304	M5-GB/T6184
31	SPRING WASHER	LB04-02040	3	SUS304	D5-GB/T93
30	FLAT WASHER	LB04-01052	3	SUS304	D5-GB/T97.1
29	HEXAGON HEAD BOLTS	LB01-01096	3	SUS304	M5X16 GB/T5782
28	CIRCUIT BREAKER	LT09-07001	1		

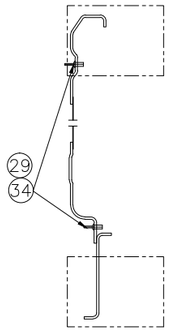
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

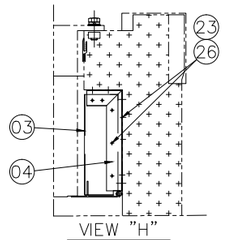
TITLE	INTERNAL CLADDING ASSEMBLY	SIZE	A3	PAGE 1/1
DWG. NO.	IC-4026-00172	SCALE	1:50	REV D
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD
SPECIAL CHARACTERISTIC		CHECK		APPROVED
		PROCESS		DATE

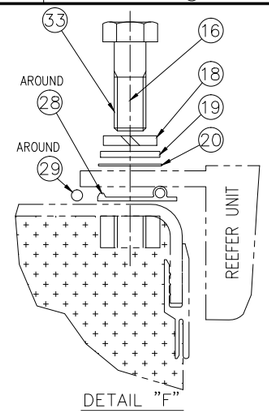


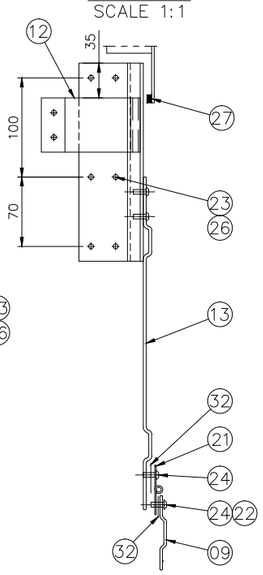


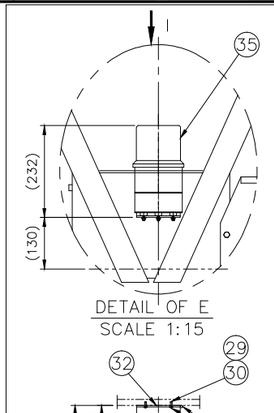


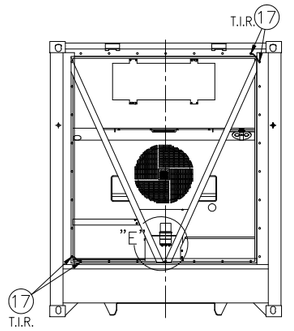


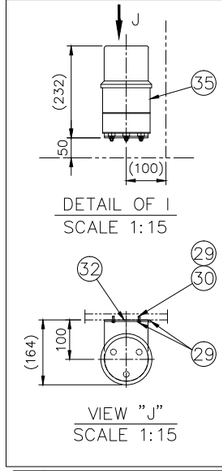


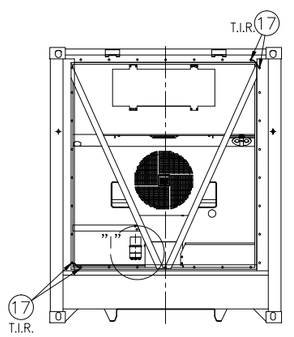




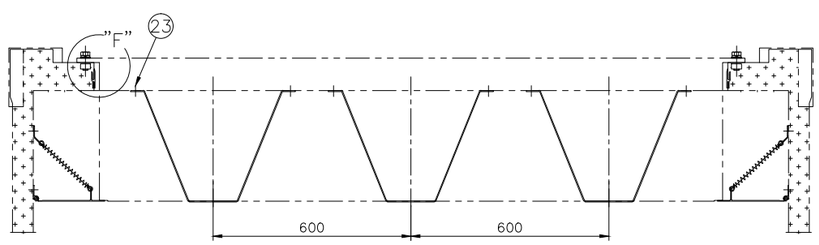


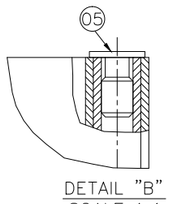


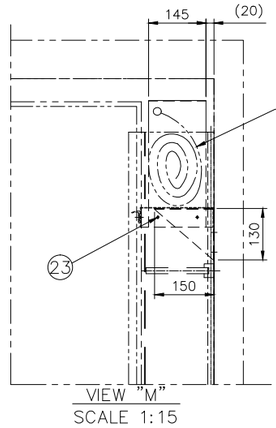


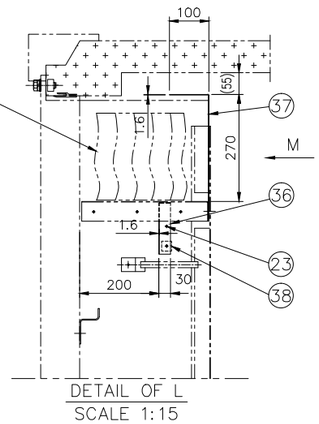


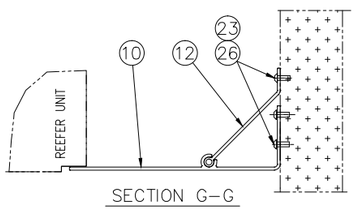
FOR TK Magnum Plus (DVT) REEFER UNIT

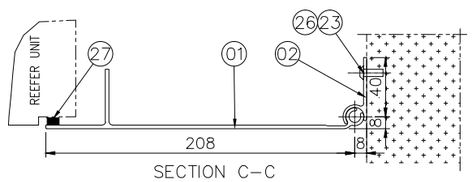










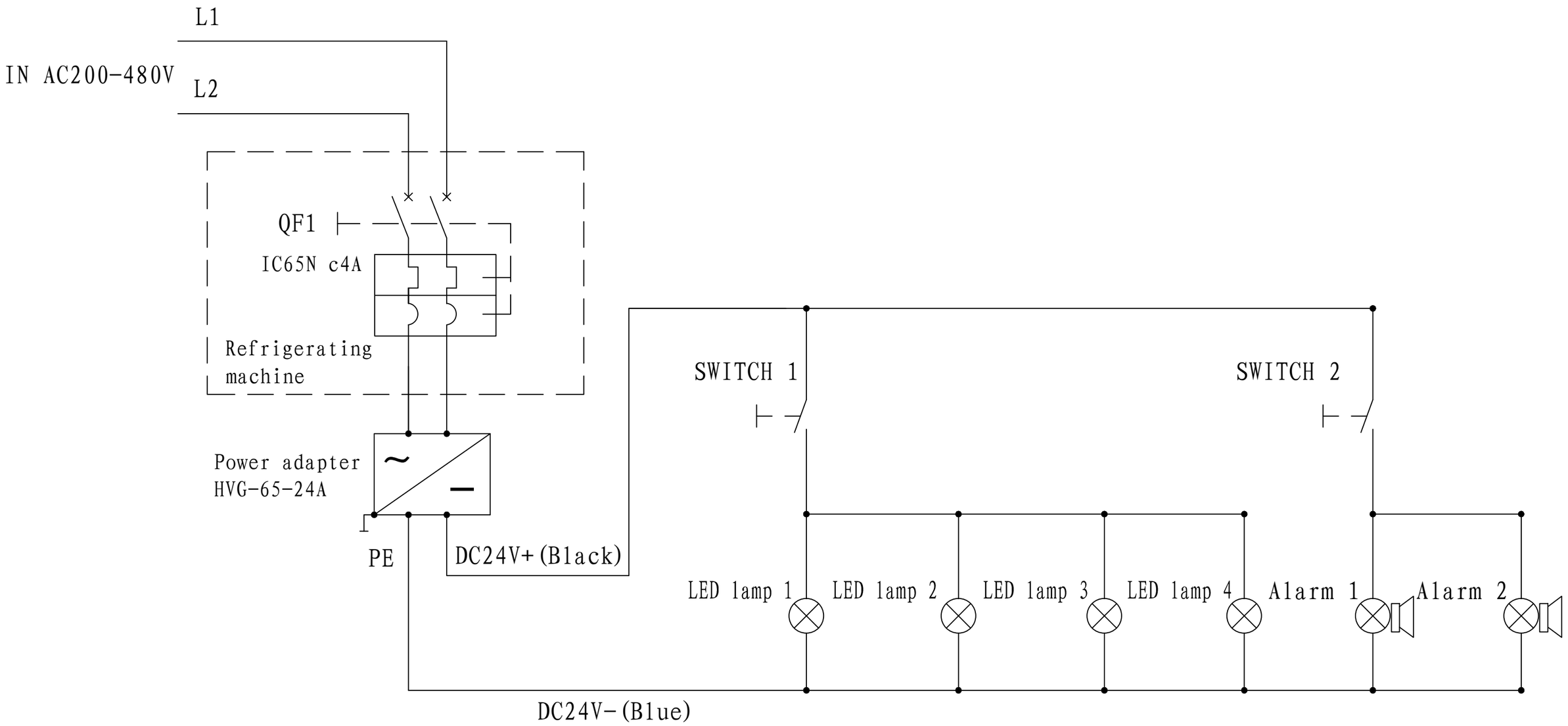


ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
38	CLEANOUT PANEL SUPPORTER	LT19-30053	2	AA5052-H32	
37	BARRIER PLATE	LT19-30466	2	AA5052-H46	
36	REINFORCEMENT PLATE	LT17-80043/80044	1+1	AA5052-H46	
35	ALARMING DEVICE	LT09-14003	1		
34	SEALED TYPE BLIND RIVET	LB05-01054	46	SUS304	6.4X14
33	THREAD LOCKER GLUE	-	/	AN	
32	INSU. TAPE	LT13-01005	1M	PE	0.13X38
31	SEALED TYPE BLIND RIVET	LB05-01003	12	Al	ϕ4.8X15
30	SEALED TYPE BLIND RIVET	LB05-01004	4	SUS 304	ϕ4.8X15
29	SEALANT	-	/	SILICONE	WHITE
28	REEFER SHIM	LT13-04031	1	EPDM	2.0X40
27	FOAM TAPE (ONE SIDE ADHESIVE)	LT13-01013	5M	PVC	4.8X8
26	FOAM TAPE (ONE SIDE ADHESIVE)	LT13-01001	6.1M	PVC	1.5X20
25	FOAM TAPE (ONE SIDE ADHESIVE)	LT13-01002	4.6M	PVC	4.5X20
24	SEALED TYPE BLIND RIVET	LB05-01002	18	SUS 304	ϕ4.8X12
23	SEALED TYPE BLIND RIVET	LB05-01001	92	Al	ϕ4.8X12
22	INSU. WASHER	LT13-03001	9	PE	ϕ12Xϕ5X0.25
21	HINGE	LB06-00001	3	SUS 304	
20	INSU. WASHER	LT13-03002	30	GRP	ϕ33Xϕ17X1.0
19	WASHER	LB04-01005	30	SUS 304	
18	SPRING WASHER	LB04-03002	30	SUS 304	
17	HEXAGONAL HEAD SCREW T.I.R.	LB01-02001	4	SUS 304	M16X45
16	HEXAGONAL HEAD SCREW	LB01-01005	26	SUS 304	M16X45
15	TENSION SPRING	LB07-00001	4	SUS 304	
14	CLEANOUT PANEL SUPPORTER	RE07-00037	3	AA5052-H32	
13	CLEANOUT PANEL	RE06-00092	1	AA6063-T5	
12	CLEANOUT PANEL SUPPORTER-2	RE02-00122	2	AA6061-T6	
11	SENSOR BRACKET	RE08-00001	2	AA5052-H32	
10	CLEANOUT PANEL SUPPORTER-1	RE02-00142/143	1+1	AA6063-T5	
09	CLEANOUT PANEL	RE06-00099	1	AA6061-T6	
08	PRESSING BAR	RE10-00001	2	AA5052-H32	
07	GASKET	LT10-01002	2	EPDM	
06	ANGLE FIXING SPRING	RE09-00001	4	AA5052-H32	
05	FIXING PIN	LB08-99001	2	AA6061-T6	
04	BAFFLING PLATE	RE01-50001/50002	1+1	AA5052-H46	
03	BAFFLING PLATE	RE01-00048/00049	1+1	AA5052-H46	
02	SIDE HINGE PLATE	RE05-00032	2	AA6061-T6	
01	SIDE PASSAGE PLATE	RE04-00003/00004	1+1	AA6061-T6	

TITLE	REEFER UNIT ASSEMBLY	SIZE	A3	PAGE	1/1
DWG. NO.	RE-4026-00050	SCALE	1:15	REV	Q
◇ CRITICAL CHARACTERISTIC		DESIGN		STANDARD	
SPECIAL CHARACTERISTIC		CHECK		APPROVED	
		PROCESS		DATE	

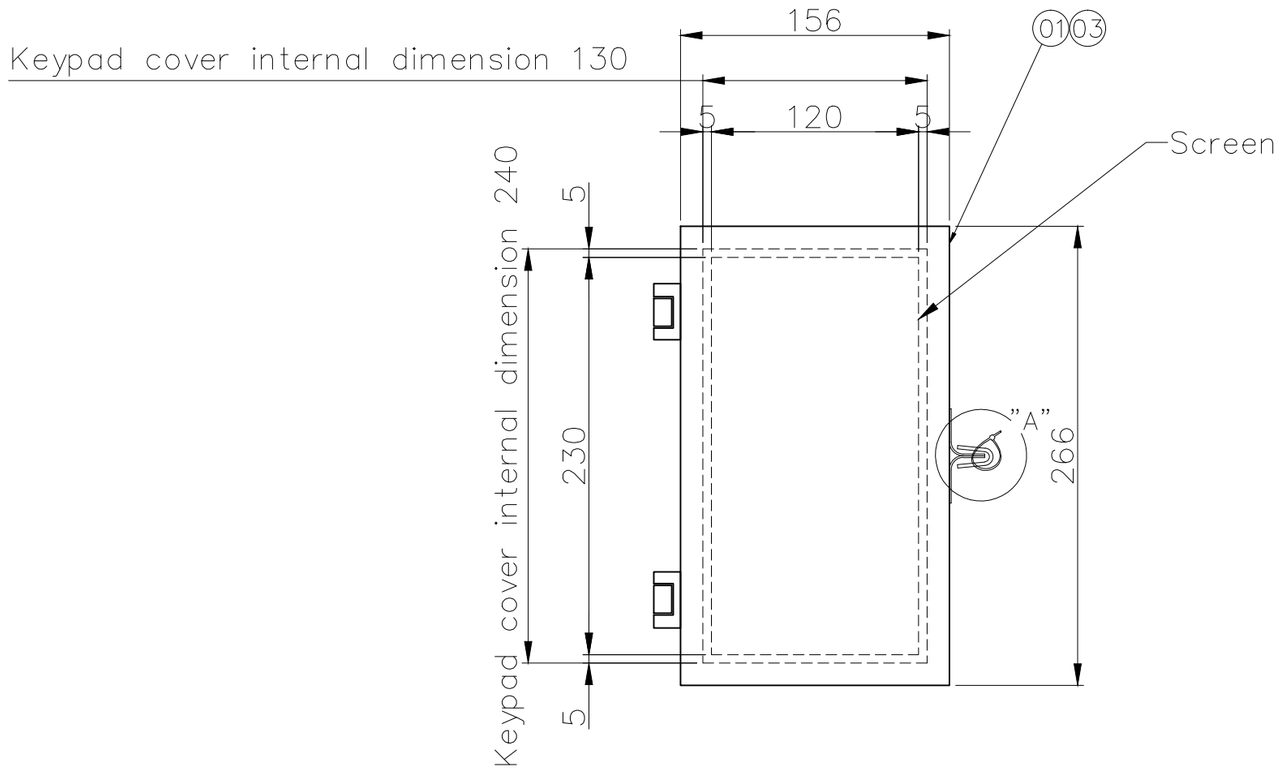
MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE

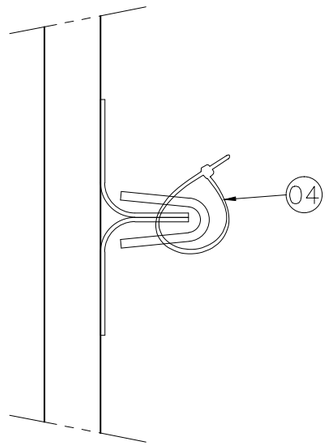
CIRCUIT DIAGRAM
(For 40RF/RH)



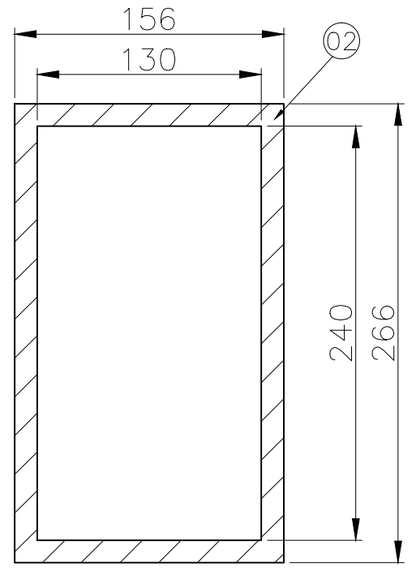
NOTE:
POWER TAKEN FROM REEFER MACHINE (AC 380-460V), CONVERTED TO DC 24V BY POWER SUPPLY FOR INTERNAL LIGHTING.
INTERNAL VOLTAGE: DC24V

CIRCUIT DIAGRAM				CD-40R-2024	REV	A	
					WEIGHT	SIZE	SCALE
				VIEW			
DESIGN		STANDARD		MATERIAL	PAGE	1/1	
CHECK		APPROVED		DIMENSION:			
PROCESS		DATE					





DETAIL OF A
SCALE 1:2



3M double-sided adhesive tape is applied to the reverse side of the keypad cover.

Installation step:

Step 1. 3M double-sided adhesive tape is applied to the reverse side of the keypad cover.
Step 2. Install and fix the keypad cover plate, and the positioning distance between the keypad cover and the upper and left and right surfaces of the screen is 5mm respectively.
Step 3. Apply silicone glue around the outer surface of the keypad cover.
Step 4. The locking hole is locked with ties.

ITEM	DESCRIPTION	DRAWING NO.	Q.TY	MATERIAL	REMARK
04	TIES	LT09-19004	1	NYLON	5*250
03	Sealant	LT14-01034	-	SILICONE	GREY
02	3M 2-S adhesived tape	LT13-05022	0.792M	PE	1.0X12
01	Keypad cover	-	-	-	Supplied by customer

Keypad cover(TK reefer unit)	IN-00063	REV	A
		WEIGHT	SIZE: A4 / SCALE: 1:5
DESIGN	STANDARD	MATERIAL	PAGE 1/1
CHECK	APPROVED	DIMENSION:	
PROCESS	DATE		

MARK	DESCRIPTION	MODIFY NO.	SIGN	DATE