

CLASSIFICATION		DIMENSION	
EXTERNAL	LENGTH	6,058 mm (+0/-6)	20 ft
	WIDTH	2,438 mm (+0/-5)	8 ft
	HEIGHT	2,591 mm (+0/-5)	8.5 ft
INTERNAL	LENGTH	5,792 mm (+0/-12)	
	WIDTH	2,294 mm (+0/-10)	
	HEIGHT	2,279 mm (+0/-10)	
DOOR OPENING	WIDTH	2,294 mm (+0/-10)	
	HEIGHT	2,231 mm (+0/-10)	
CARGO ACCESS HEIGHT		2,227 mm (+0/-10)	
INTERNAL CUBIC CAPACITY		30.3 m ³	1,070 ft ³
MAX. GROSS WEIGHT		30,480 kg	67,200 lbs
TARE WEIGHT (±2%)		2,700 kg	5,950 lbs
MAX. PAYLOAD		27,780 kg	61,250 lbs
STACKING TEST LOAD		97,200 kgf/post	214,290 lbf/post
FLOOR STRENGTH		7,260 kg	16,000 lbs
HEAT LEAKAGE (U20)		27.3 W/K	23.5 kcal/hr°C
AIR LEAKAGE (1" WGP)		2.0 m ³ /h	71 ft ³ /hr

PART NAME	MATERIAL	REMARK	
FRAME	SIDE TOP RAIL	SPA-H 4.0 mm	
	SIDE BOTTOM RAIL	SPA-H 4.0 mm	
	END FRAME	SPA-H 3.0/4.0/6.0 mm	
	FORK POCKET	SPA-H 4.0 mm	
PANEL	ROOF	MGSS 0.8 & 1.0mm	
	SIDE	MGSS 1.0 mm	
	DOOR	MGSS 1.6 mm	
	SUB-FLOOR	MAIN	SPA-H 1.6 mm
		ROOF	AA5052-H16/H46 0.8 mm
	INSIDE LINING	SIDE	AA6061-T6 2.67 mm
DOOR		BN4 or eq. SS 0.7 mm	
FLOOR (FLAT)	AA6061-T6	H30	
CORNER FITTING	SCW480	H118 x W162 x L178	
INSULATION	POLYURETHANE	0.022 W/m.k	
DOOR HARDWARE	HOT DIP GALVANIZED STEEL		

INSULATION DESIGN: Polyurethane (PUR) foam with Cyclopentane (non-CFC) blowing agent: λ = 0.022 W/m.K

LOCATION	Thickness mm	U-Value W/m ² .K	R-Value (SI) K.m ² /W	R-Value (I-P) *F.ft ² .h/BTU	R-Value (I-P) per inch
ROOF	80	0.275	3.636	20.655	6.558
WALL	58	0.379	2.636	14.975	6.558
FLOOR	113	0.196	5.114	29.045	6.558
DOOR	74	0.297	3.364	19.105	6.558

NOTE: Imperial expressed R-Values (e.g. USA) are a factor of 5.68 x Metric R-Values (e.g. Europe)

DRAWN: Niall McDermott DATE: 2024-05-28

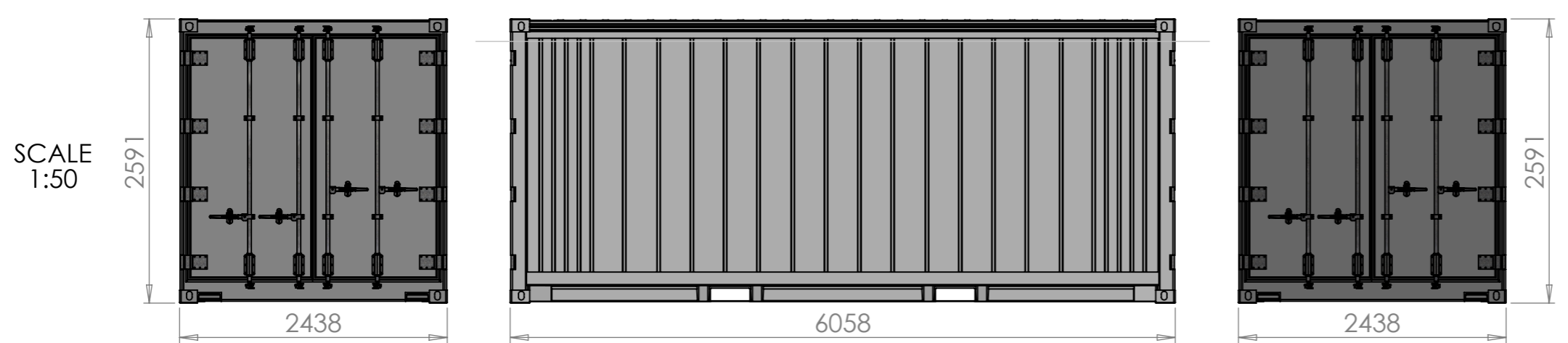
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS

TITLE:
Insulated Shipping Container
with Strut Channel Panel lining
General Arrangement Drawing

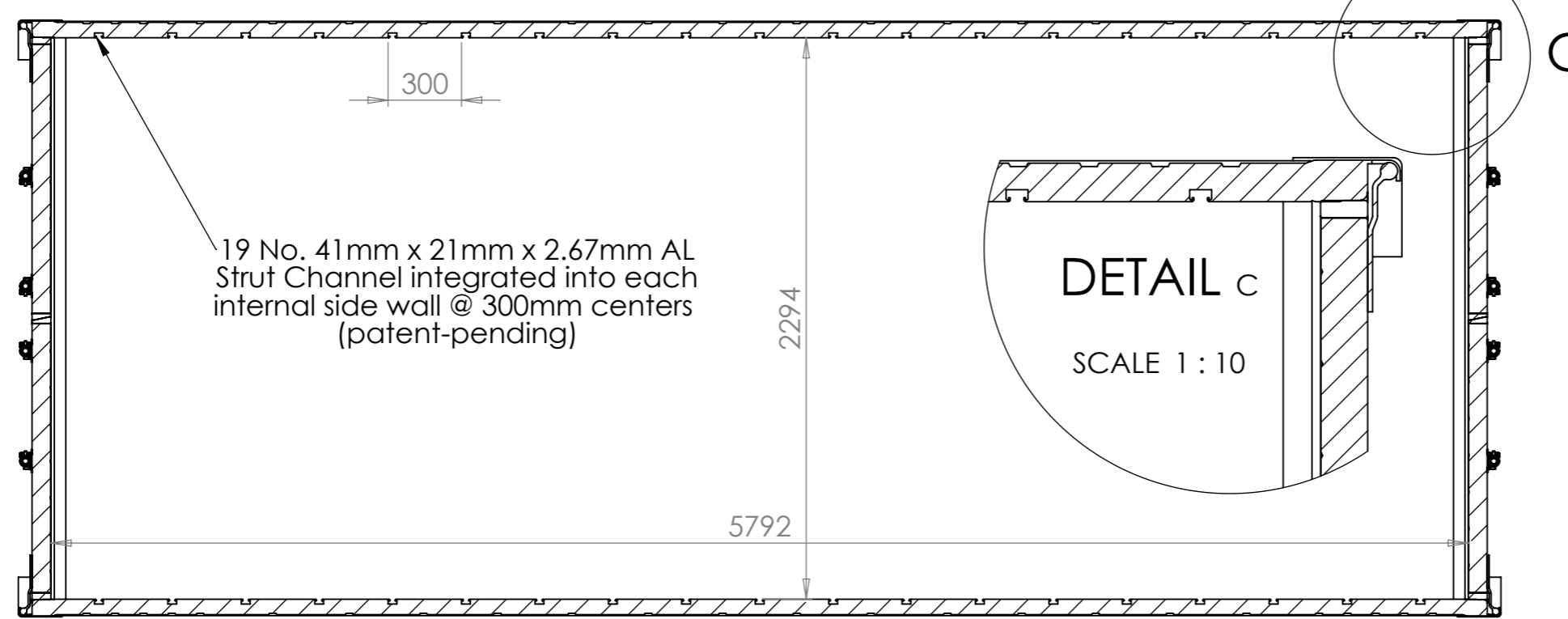
DWG NO. Conversion Containers 20ft A3

SHEET SCALE: 1:50 SHEET 1 OF 1

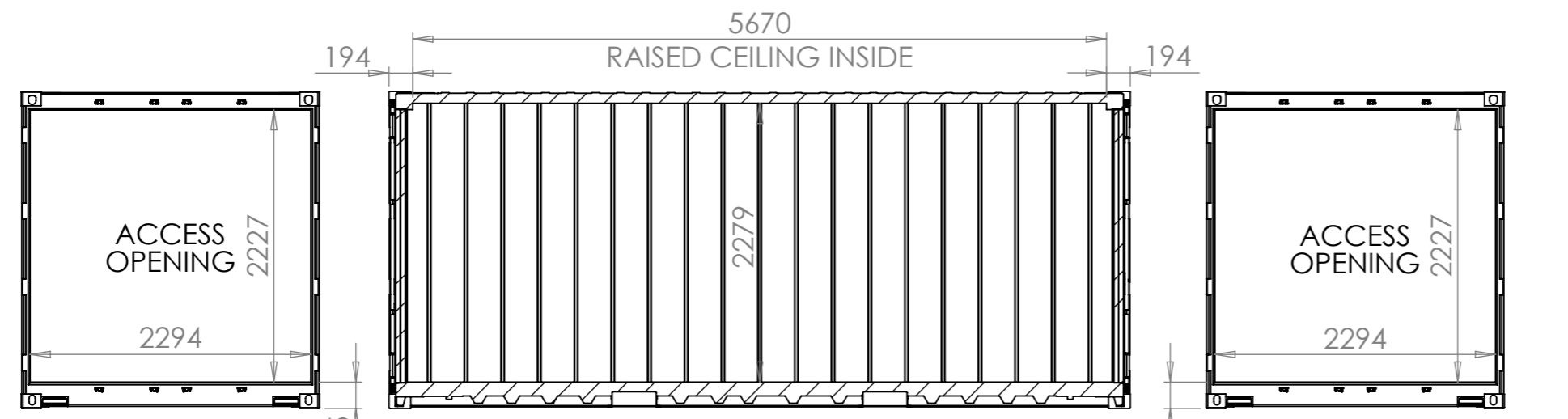
3 and 4 locking bar options offset handles recommended



SCALE 1:50



SCALE 1:25



SCALE 1:50

Double Door (tunnel) container provides natural openings to add personnel doors and windows.