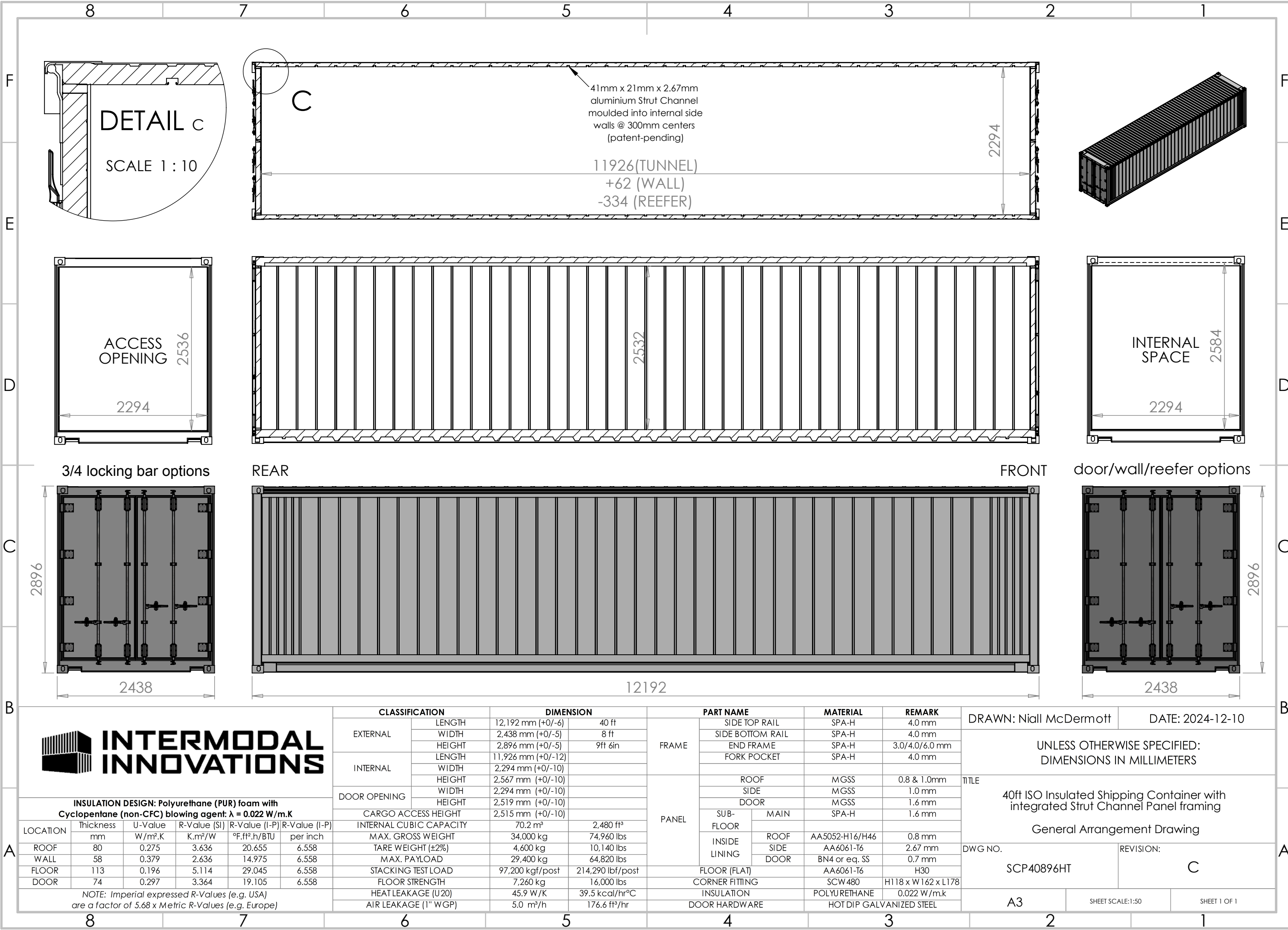




**INTERMODAL
INNOVATIONS**

**INSULATION DESIGN: Polyurethane (PUR) foam with
Cyclopentane (non-CFC) blowing agent: $\lambda = 0.022 \text{ W/m.K}$**

LOCATION	Thickness	U-Value	R-Value [SI]	R-Value [I-P]	R-Value [I-P]
	mm	W/m².K	K.m²/W	°F.ft².h/BTU	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)

CLASSIFICATION		DIMENSION	
EXTERNAL	LENGTH	12,192 mm (+0/-6)	40 ft
	WIDTH	2,438 mm (+0/-5)	8 ft
	HEIGHT	2,896 mm (+0/-5)	9ft 6in
INTERNAL	LENGTH	11,926 mm (+0/-12)	
	WIDTH	2,294 mm (+0/-10)	
	HEIGHT	2,567 mm (+0/-10)	
DOOR OPENING	WIDTH	2,294 mm (+0/-10)	
	HEIGHT	2,519 mm (+0/-10)	
	CARGO ACCESS HEIGHT	2,515 mm (+0/-10)	
INTERNAL CUBIC CAPACITY		70.2 m³	2,480 ft³
MAX. GROSS WEIGHT		34,000 kg	74,960 lbs
TARE WEIGHT (±2%)		4,600 kg	10,140 lbs
MAX. PAYLOAD		29,400 kg	64,820 lbs
STACKING TEST LOAD		97,200 kgf/post	214,290 lbf/post
FLOOR STRENGTH		7,260 kg	16,000 lbs
HEAT LEAKAGE (U20)		45.9 W/K	39.5 kcal/hr°C
AIR LEAKAGE (1" WGP)		5.0 m³/h	176.6 ft³/hr

FRAME	PART NAME		MATERIAL	REMARK
	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
	INSIDE LINING	ROOF	AA5052-H16/H46	0.8 mm
		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	

DRAWN: Niall McDermott		DATE: 2024-12-10	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN MILLIMETERS			
TITLE 40ft ISO Insulated Shipping Container with integrated Strut Channel Panel framing General Arrangement Drawing			
DWG NO. SCP40896HT		REVISION: C	
A3	SHEET SCALE:1:50		SHEET 1 OF 1