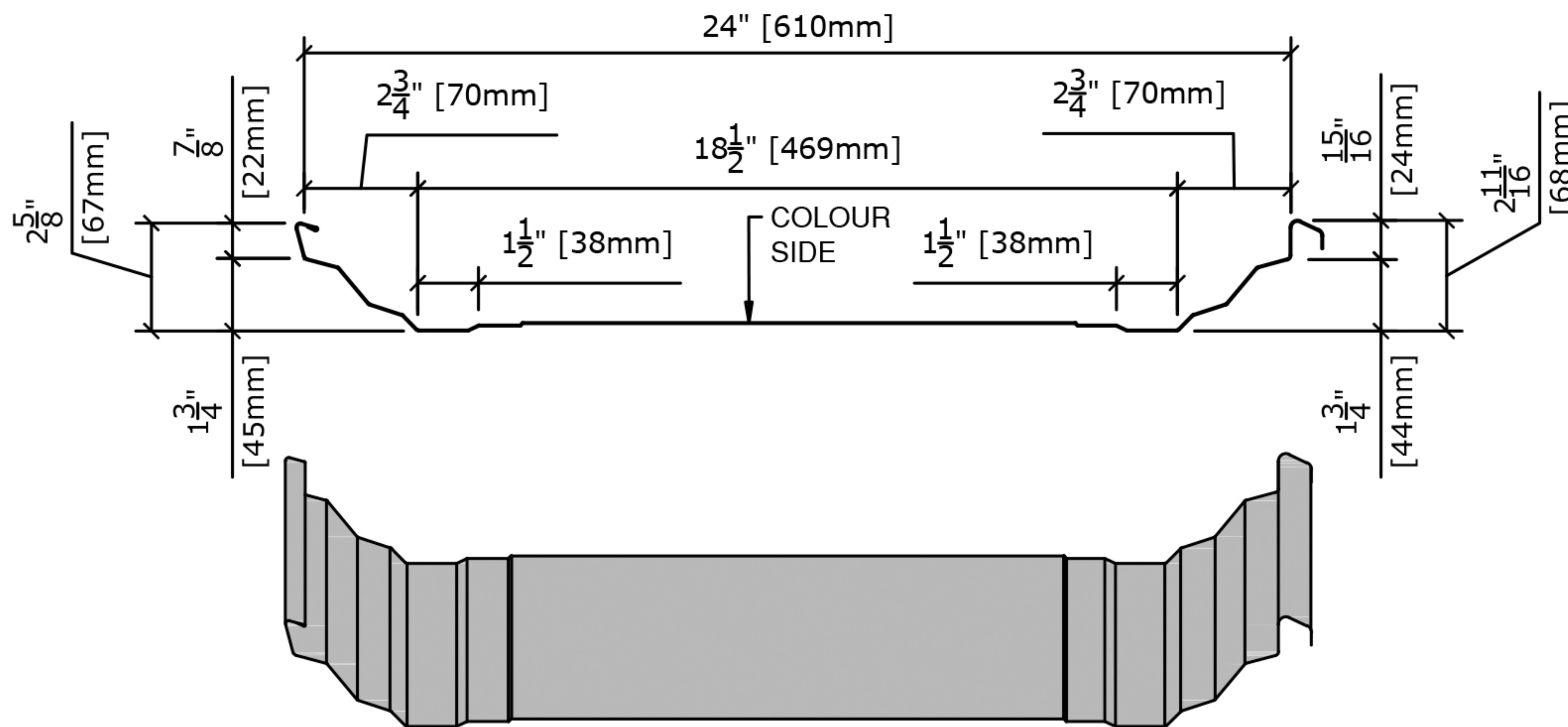


PROFILE SSR24 ROOF PANEL		APPLICATION SSR24 ROOF SYSTEM		
DETAIL SSR24 TECHNICAL PROPERTIES		SHT. SSR-100	DATE JUL / 24	REV. A



MINIMUM 1/4:12 PITCH

SECTION PROPERTIES PER FOOT OF WIDTH, IN ACCORDANCE WITH CSA STANDARD S136									
BASE STEEL THICKNESS (inches)	WEIGHT [G90] (psf)	YIELD STRESS (ksi)	SECTION MODULUS		DEFLECTION MOMENT OF INERTIA (in ⁴)	SPECIFIED WEB CRIPPLING DATA			
			MIDSPAN (in ³)	SUPPORT (in ³)		Pe1 END (lb)	Pe2 END (lb)	P,1 INT (lb)	P,2 INT (lb)
0.0240	1.26	50	0.0997	0.0864	0.179				
0.0300	1.56	50	0.126	0.109	0.227				

LLF = 1.50; IMPF = 0.90; NORMAL OCCUPANCY = 1.0

SECTION PROPERTIES PER METRE OF WIDTH, IN ACCORDANCE WITH CSA STANDARD S136									
BASE STEEL THICKNESS (mm)	MASS [Z275] (kg/m ²)	YIELD STRESS (MPa)	SECTION MODULUS		DEFLECTION MOMENT OF INERTIA (x10 ⁶ mm ⁴)	SPECIFIED WEB CRIPPLING DATA			
			MIDSPAN (x10 ³ mm ³)	SUPPORT (x10 ³ mm ³)		Pe1 END (kN)	Pe2 END (kN)	P,1 INT (kN)	P,2 INT (kN)
0.610	5.91	345	5.36	4.65	0.244				
0.762	7.35	345	6.76	5.87	0.310				

LLF = 1.50; IMPF = 0.90; NORMAL OCCUPANCY = 1.0

ASTM A792/A792M-10(2015)	
GRADE	50 (345 Mpa)
GAUGES	24ga (0.61mm) & 22ga (0.76mm)
BASE STEEL	AZM 150 & AZM 165 (PLAIN)
MIN. PITCH	1/4:12
WIDTH	24" (610mm)
MIN. LENGTH	8'-0" (2440mm)
MAX. LENGTH	54'-0" (16.5m)

CERTIFICATION
TO ENSURE THAT THE SSR24 SYSTEM WILL MEET THE DEMANDS OF ITS APPLICATION REQUIREMENTS, IT HAS BEEN TESTED BY U-BUILD AND CERTIFIED BY FACTORY MUTUAL. THE U-BUILD SSR24 ROOF SYSTEM CARRIES A FM CLASS 1-SH HAIL RATING AND 1-60 FIRE RESISTANCE. SEE FM RoofNav FOR CONSTRUCTION INFORMATION. SYSTEM CARRIES A WIND UPLIFT CLASS 90 IN ACCORDANCE TO UL 580 TEST FOR WIND UPLIFT. SEE UL CONSTRUCTION No. 685 FOR CONSTRUCTION INFORMATION. TEST FILE: J.I. 1Z3A2.AM PER FMRC STANDARD 4471 UL FILE: TGKX.685

SSR24 PANEL NOTES:

- STRUCTURAL SPANNING AND SELF SUPPORTING.
- SLIDING CLIP SYSTEM FOR THERMAL EXPANSION/CONTRACTION.
- THERMAL ROOF SYSTEM WITH VARIABLE DEPTH FLOATING CLIPS. MINIMUM 2" INSULATION RECOMMENDED.
- HAND / MECHANICAL SEAMING REQUIRED
- ATTACHMENT CLIP SYSTEM FOR; SOLAR PANELS, FALL ARREST, AND SNOW MANAGEMENT SYSTEMS AVAILABLE.
- AVAILABLE IN PLAIN 24ga & 22ga GALVALUME PLUS OR IN 24ga & 22ga PRE-PAINTED PERSPECTRA PLUS SMP PAINT.

NOTES:

- A. DO NOT SCALE. DETAILS ARE FOR GUIDELINES ONLY, AND MAY NOT BE SUITABLE FOR ALL BUILDING DESIGNS AND CONDITIONS.
- B. SCREW LENGTHS MAY VARY PER CUSTOMER REQUEST. #12-14x1", #12-14x1 1/2", #12-14x2", #12-14x3" ARE AVAILABLE.