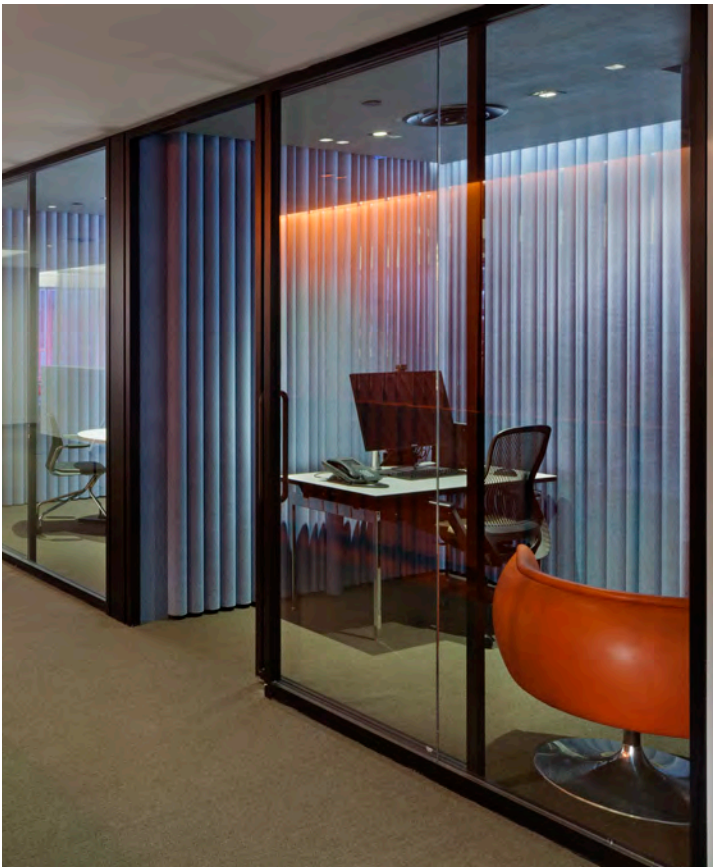




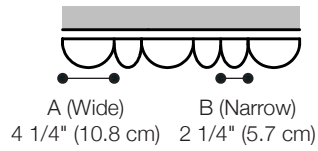
ARO Plank 1

ARO Plank 1

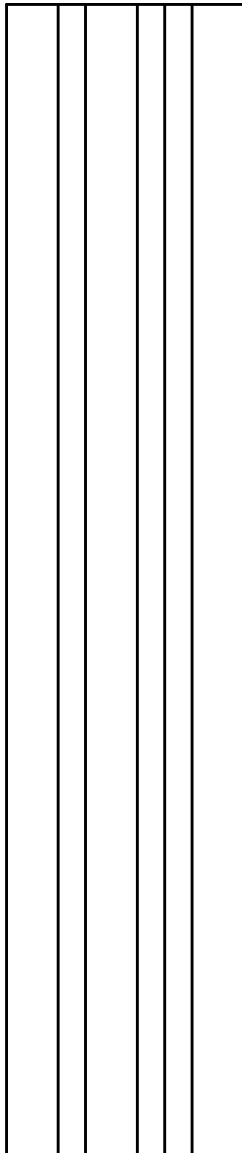


ARO Plank is a wall system composed of modular planks that assemble to create standard patterns, yielding a continuous, acoustically absorptive architectural finish. ARO Plank 1 has two distinct half round modules that are composed of felt-covered extruded acoustic foam and available in four standard configurations. The planks install quickly and easily with FilzFelt's Interlock Mounting System and are available in 63 colors of 3mm Wool Design Felt.

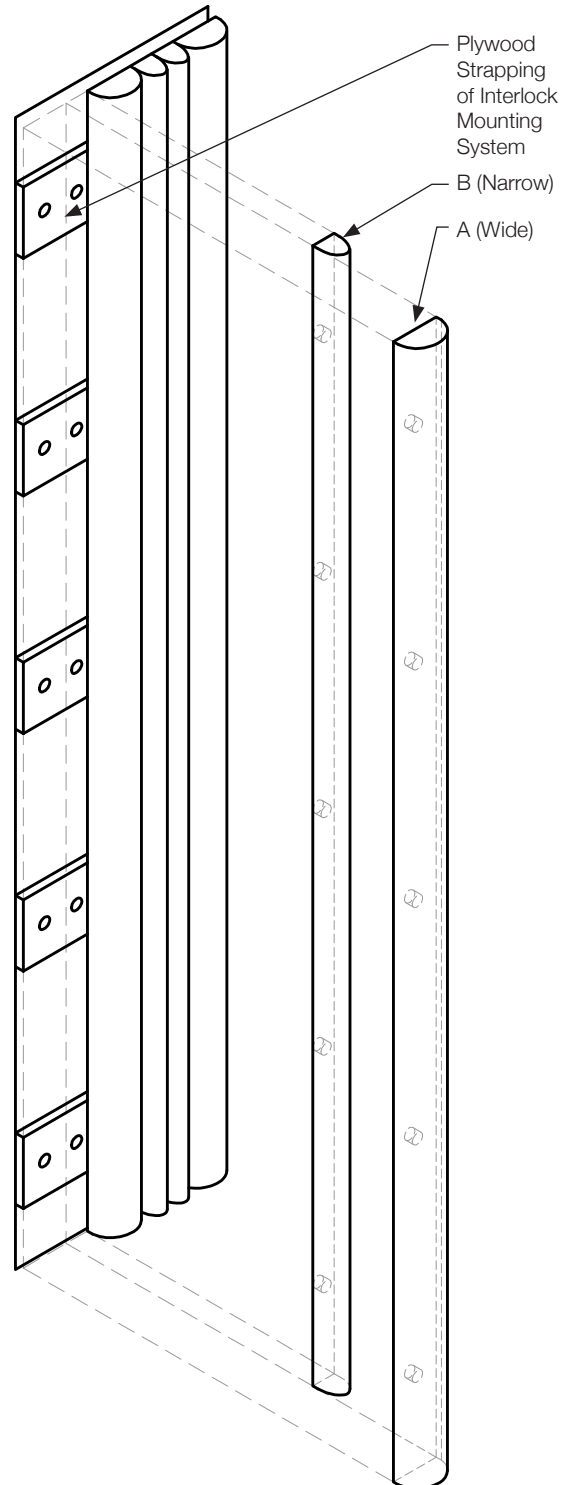
Drawings



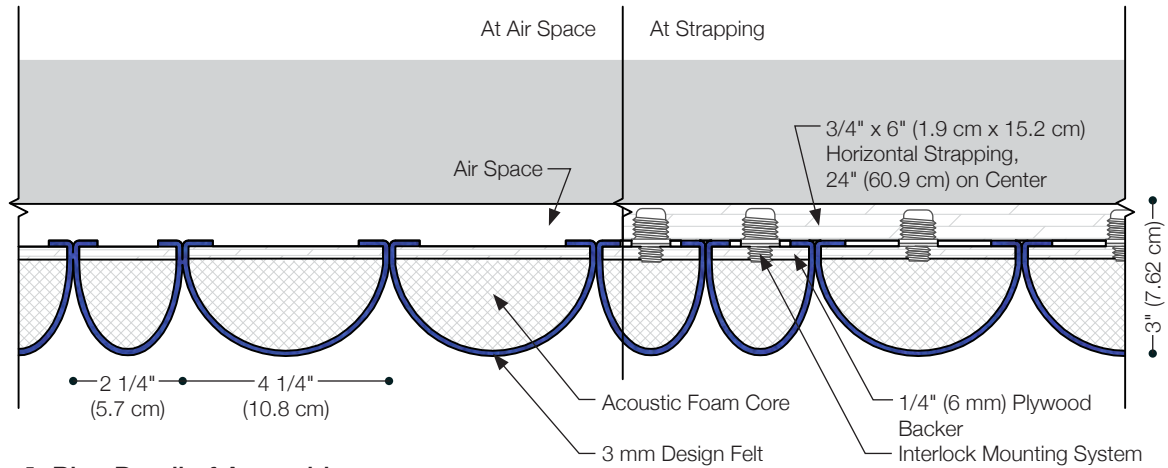
1 Plan
Scale: 3/4" = 1'-0"



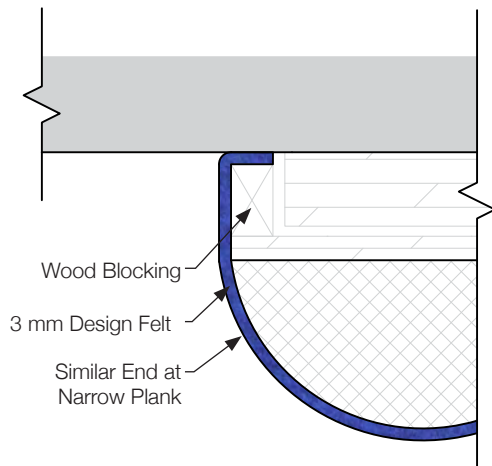
2 Elevation
Scale: 3/4" = 1'-0"



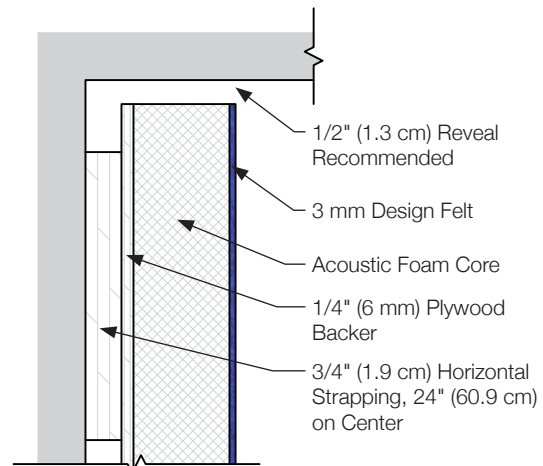
3 Exploded Axonometric
Scale: 3/4" = 1'-0"



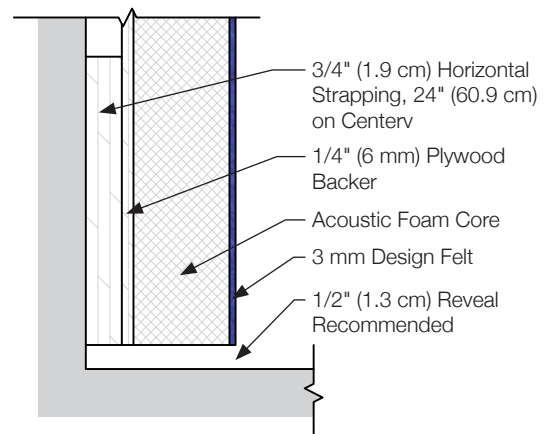
4 Plan Detail of Assembly
Scale: 3" = 1'-0"



5 Plan Detail at Trim
Scale: 6" = 1'-0"



6 Section Detail at Head
Scale: 6" = 1'-0"



7 Section Detail at Base
Scale: 6" = 1'-0"

Specifications

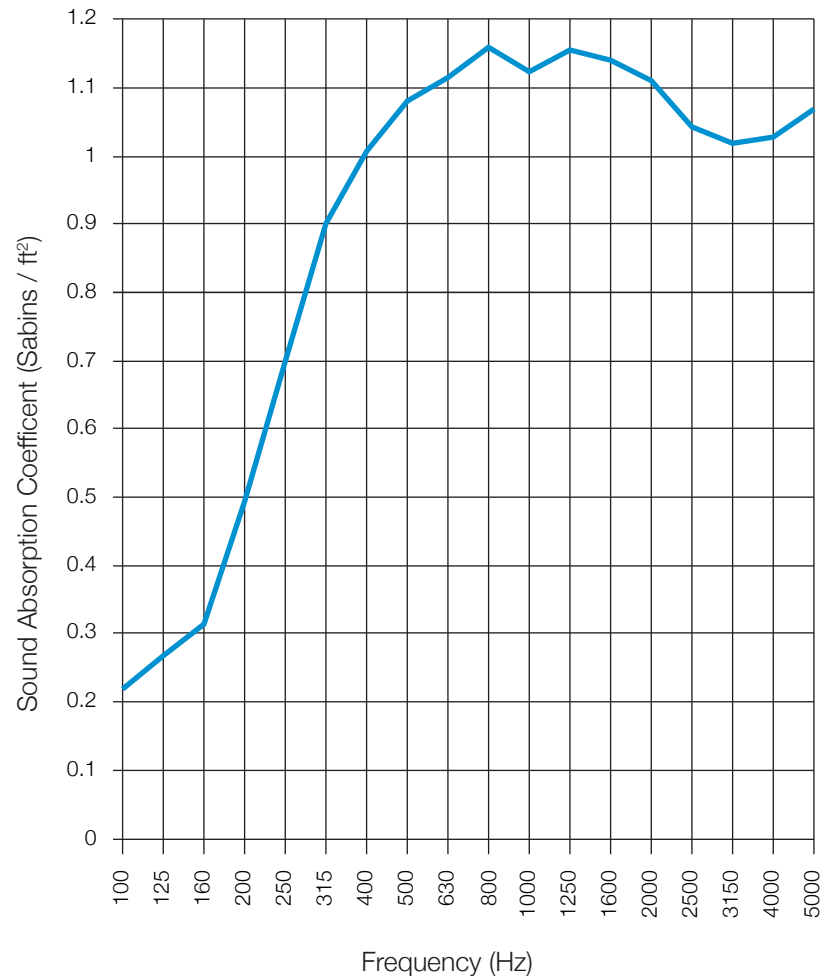
Name	ARO Plank 1
Designer	Architecture Research Office
Content	100% Wool Design Felt + Extruded Acoustic Foam
Felt Thickness	3 mm (1/8 in)
Standard Configurations	Plank 1.1, Plank 1.2, Plank 1.3
Plank Widths	A (Wide): 4 1/4" (10.8 cm) B (Narrow): 2 1/4" (5.7 cm)
Repeat	Plank 1.1: A Plank 1.2: B Plank 1.3: AAABB
Repeat Width	Plank 1.1: 4 1/4" (10.8 cm) Plank 1.2: 2 1/4" (5.7 cm) Plank 1.3: 1'-5 1/4" (43.8 cm)
Maximum Standard Plank Length	9'-0" (2.74 m)
Maintenance	Vacuum occasionally to remove general air-borne debris. Should soiling occur, clean with a mild, water-free dry cleaning solvent.
Durability	Contract or residential
Lead Time	ARO Plank is made to order and certain lead times will apply.
Installation	Installs with Interlock Mounting System provided
Custom	Custom configurations are available and heights beyond 9'-0" (2.74 m) must be quoted.
Acoustics	ASTM C 423: NRC – 1.0, SAA – 1.0
Colorfastness to Light	Class 4-5 (40 hours)
Colorfastness to Crocking	Class 3-4 (wet), Class 4-5 (dry)
Flammability	ASTM E 84 Class A
Standard Colors	



Sound Absorption Results

Frequency (Hz)	Sound Absorption Coefficient (Sabins / ft ²)
100	0.22
125	0.27
160	0.31
200	0.49
250	0.70
315	0.90
400	1.01
500	1.08
630	1.12
800	1.16
1000	1.12
1250	1.16
1600	1.14
2000	1.11
2500	1.04
3150	1.02
4000	1.03
5000	1.07

SAA = 1.00
NRC = 1.00



Test Report ARO Plank 1

For ARO Plank 1, the test report quotes the frequency dependent sound absorption data as well as the single number ratings. Data taken from Test Report RAL™-A14-153 conducted by Riverbank Acoustical Laboratories. Complete test results are available upon request.