



T & G PANEL ASSEMBLY DETAIL

STANDARD PANEL CONSTRUCTION

- a) MATERIALS: 18 GAUGE OUTSIDE SKIN (GALVANIZED).
22 GAUGE PERFORATED INSIDE SKIN (GALVANIZED).
* OTHER MATERIAL TYPES OR GAUGES AVAILABLE ON REQUEST.
- b) ACOUSTIC MEDIA: EACH PANEL SHALL BE FILLED WITH SOUND ABSORBING MATERIAL THAT IS INERT, MILDEW-RESISTANT, VERMIN-PROOF AND INCOMBUSTABLE.
- c) MAXIMUM PANEL SIZE: 45" X 120" LONG (1143 mm X 3048 mm)
- d) VERTICAL REINFORCING MEMBERS @ 24" (610 mm) CTRS.
- e) CAULKING: BUTYL SEALANT, TO BE APPLIED PRIOR TO INSTALLATION OF PANELS OR FLASHING. SEALANT TO BE VISIBLE FOR INSPECTION.
- f) U-FACTOR: APPROX. 0.28 BTU/HR/SQ FT/F DEGREE

Sound Absorption Coefficients ASTM C-423-66

Octave Band Number	2	3	4	5	6	7	NRC
Center Frequency (Hz)	125	250	500	1000	2000	4000	----
NOISEBLOCK™ (BP*) - 2"	0.15	0.66	1.07	1.06	0.97	0.86	0.95
NOISEBLOCK™ (BP*) - 4"	0.60	1.13	1.12	1.09	1.03	0.91	1.00

*(BP) = Barrier Panel

Sound Transmission Loss ASTM E90-70

Octave Band Number	2	3	4	5	6	7	STC
Center Frequency (Hz)	125	250	500	1000	2000	4000	----
NOISEBLOCK™ (BP*) - 2"	17	23	34	47	55	57	37
NOISEBLOCK™ (BP*) - 4"	21	28	39	48	56	58	40

*(BP) = Barrier Panel



TITLE
NOISEBLOCK™ STL
ACOUSTICAL PANEL

LAST DATE
REVISED
4-2012

DRAWN BY
JD

DRAWING NO.
NSTLAC-001