



**1 PLYWOOD SHEATHING ATTACHMENT PATTERN FOR SAFE ROOMS WITH PROTECTION LAYERS ON EXTERIOR**  
MS-01 SCALE: 1/2"=1'-0"  
0 6" 1' 2'

**2 PLYWOOD SHEATHING ATTACHMENT PATTERN FOR SAFE ROOMS WITH PROTECTION LAYERS ON INTERIOR**  
MS-01 SCALE: 1/2"=1'-0"  
0 6" 1' 2'

LOCATION	REQUIRED UPLIFT CAPACITY (LBS)	SIMPSON STRONG-TIE	UNITED STEEL PRODUCTS
A	375	H3	RT3
B	375	H3	RT3
C	1,700	2-MTS12	2-MTW12
D	1,900	HHETA16	2-MTA12
E	1,000	SPH4	SPTH4
F	1,700	LGT2	LUGT2
G	1,700	2-SPH4	2-SPTH4
H	1,700	HHETA 16 OR PAI23	2-HTA12

WALL LENGTH	16d NAILS	#8X3" WOOD DECK SCREWS	1/4" X 3" SELF TAPPING SCREWS
3'-6" TO 5'-0"	2" O.C. @ EDGES 6" O.C. IN FIELD	2" O.C. @ EDGES 6" O.C. IN FIELD	3" O.C. @ EDGES 6" O.C. IN FIELD
5'-1" TO 7'-0"	3" O.C. @ EDGES 6" O.C. IN FIELD	3" O.C. @ EDGES 6" O.C. IN FIELD	4" O.C. @ EDGES 6" O.C. IN FIELD
7'-1" TO 14'-0"	4" O.C. @ EDGES 6" O.C. IN FIELD	4" O.C. @ EDGES 6" O.C. IN FIELD	6" O.C. @ EDGES 6" O.C. IN FIELD

**4 ATTACHMENT SCHEDULE**  
MS-01

- NOTES:
- ATTACHMENT SCHEDULE VARIES BASED ON WALL LENGTH SEE DETAIL 4 FOR ATTACHMENT SCHEDULE ON DRAWING MS-01.
  - PROTECTION LAYERS ARE TO BE INSTALLED ALTERNATING THE LONG AXIS OF THE MATERIAL FROM HORIZONTAL TO VERTICAL TO HORIZONTAL OR VERTICAL TO HORIZONTAL TO VERTICAL.
  - MINIMUM UNBROKEN WALL LENGTH IS 3'-6".

NOTES:  
BECAUSE NOT ALL CONTRACTORS ARE FAMILIAR WITH THE TYPE OF STRUCTURAL CONNECTORS SHOWN IN THESE DRAWINGS, THE NAMES OF TWO COMPANIES THAT MANUFACTURE CONNECTORS HAVE BEEN INCLUDED IN THIS TABLE. THE LIST OF COMPANIES IS NOT, HOWEVER, EXHAUSTIVE. ADDITIONALLY, THIS LIST IS NOT INTENDED TO EXPRESS A PREFERENCE FOR THOSE MANUFACTURERS AND/OR THEIR PRODUCTS BY THE UNITED STATES GOVERNMENT NOR IS IT AN ENDORSEMENT OF THOSE MANUFACTURERS AND/OR THEIR PRODUCTS.

**3 CONNECTOR SCHEDULE**  
MS-01

MISCELLANEOUS DETAILS

DRAWING NO: MS-01 SHEET 15 OF 18

DATE: OCTOBER 1998

REVISED: AUGUST 2008 REV. NO. 2