

Properties:

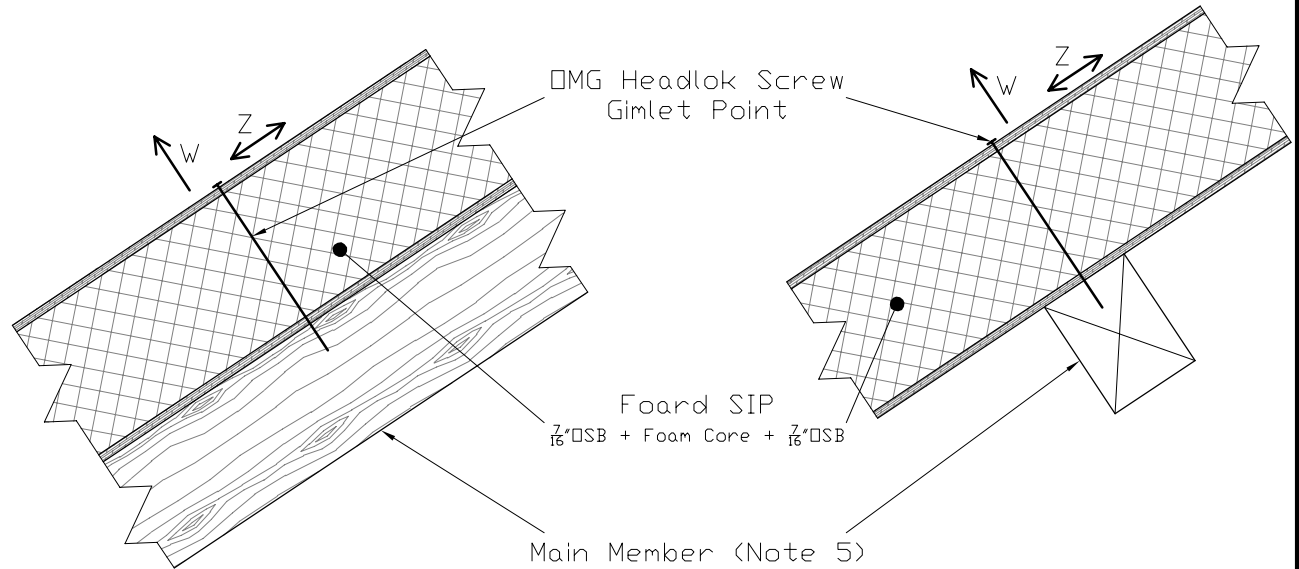
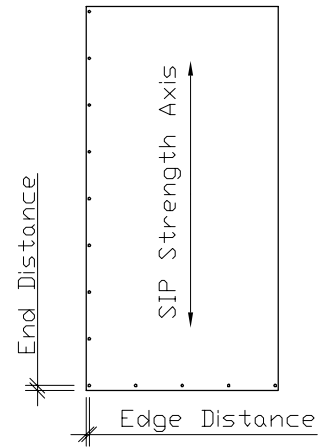
- Pull Through: Screw Head Pull Through Resistance,  $W_{allowable} = 180 \text{ lb/screw}$  (Note 3)
- Shear: SIP Limited  $Z_{allowable} = 160 \text{ lb/screw}$  (Notes 4 & 5)
- Unity:  $( W_{applied} / W_{SIP_{allowable}} ) + ( Z_{applied} / Z_{SIP_{allowable}} )$  must be  $\leq 1.0$

Notes:

- 1: These values only consider the interaction of the SIP and screw.
- 2: The capacity of the screw to wood connection and the limits of the screw itself must be evaluated separately per DMG/Fastenmaster evaluation reports and/or NDS methodology for 0.188"Ø wood screws.
- 3: DMG/Fastenmaster "HeadLok Design Values", 2006, Table 4
- 4: DMG/Fastenmaster "HeadLok Design Values", 2006, Table 5A
- 5: Assumes main member specific gravity  $\geq 0.43$  and the screw is not installed in end grain.
- 6: All values subject to all applicable "Adjustment of Reference Design Values" in the NDS.
- 7: All values assume no material separates the SIP from the Main Member.

Default Foard Panel SIP screw design guidelines

- A: A structural design professional must be consulted for specific applications & conditions.
- B: Screw embedment in main member  $\geq 2"$
- C: Min. SIP Edge Distance =  $\frac{3}{4}"$  Refer to NDS for edge distance limits of main member.
- D: Min. SIP End Distance =  $1\frac{1}{2}"$  Refer to NDS for end distance limits of main member.
- E: Min. Row Spacing =  $1\frac{1}{2}"$
- F: Min. O.C. Spacing =  $3"$



**Foard**

**P A N E L**  
i n c o r p o r a t e d

P.O. Box 185 , West Chesterfield , NH 03466  
( 603 ) 256 - 8800

FPI Standard Roof Connection  
To Wood Structure  
PRM, 11-5-13