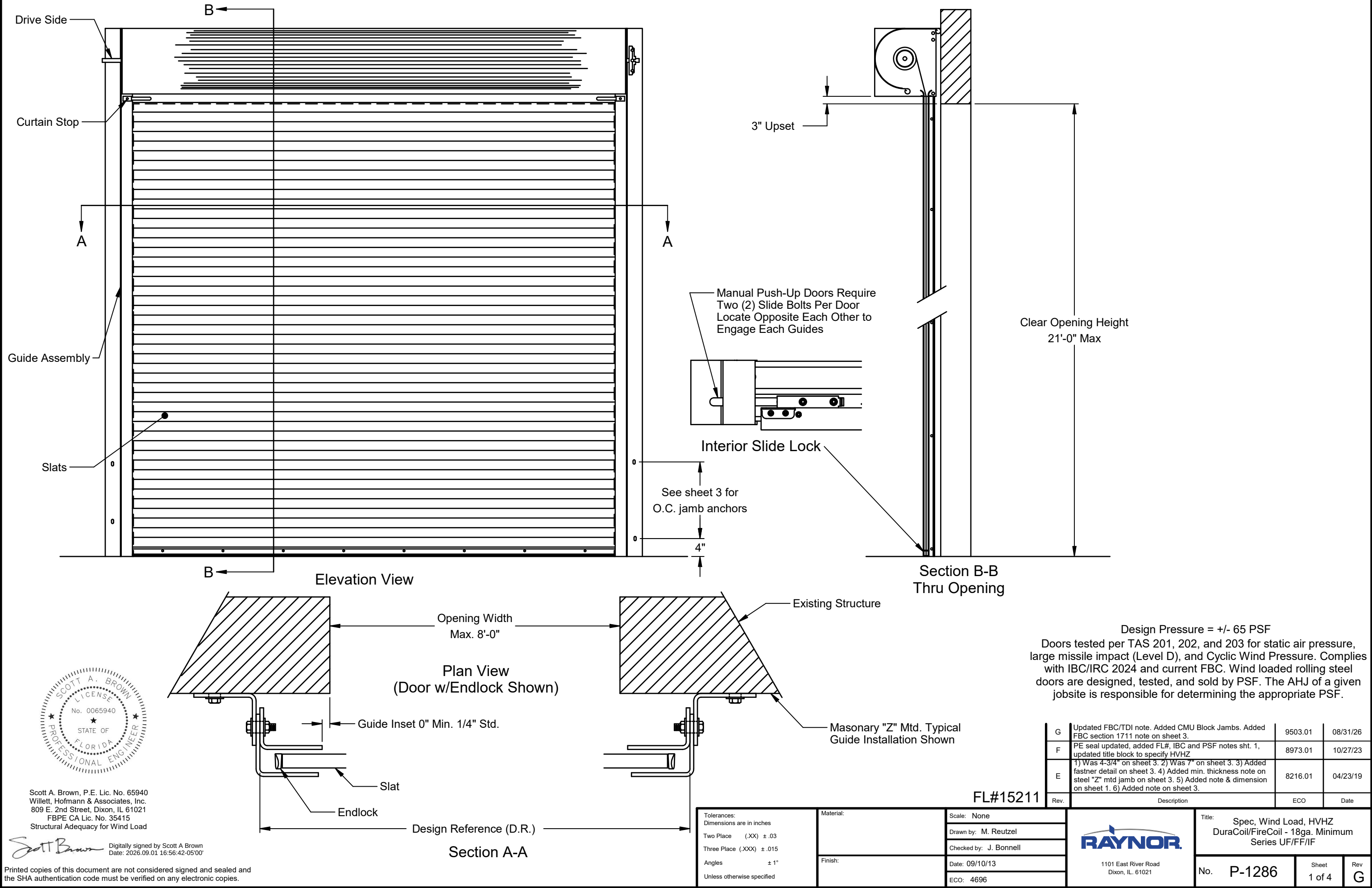
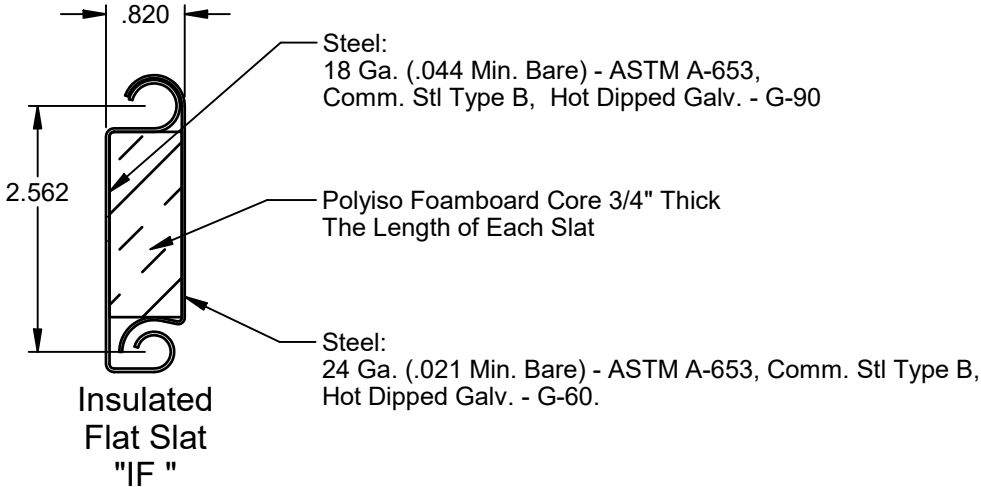
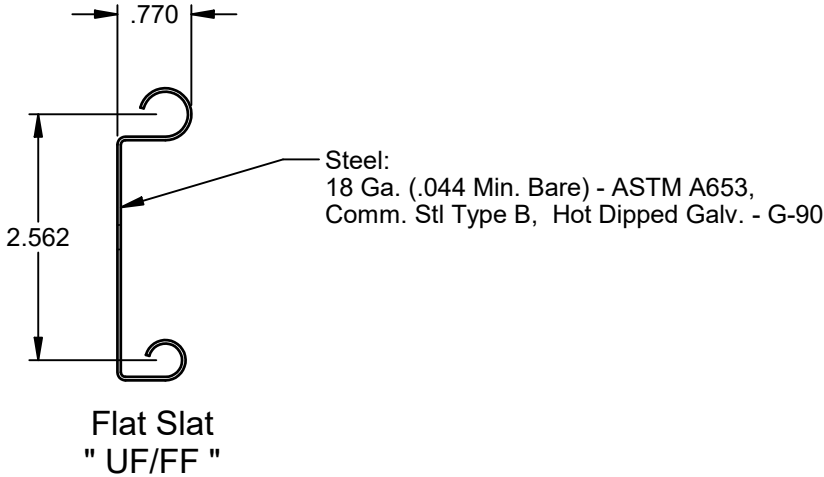




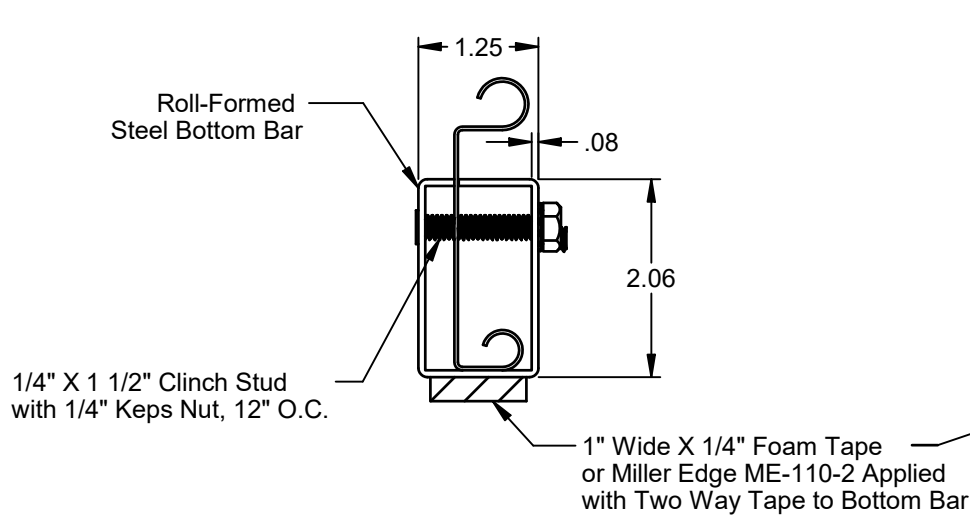
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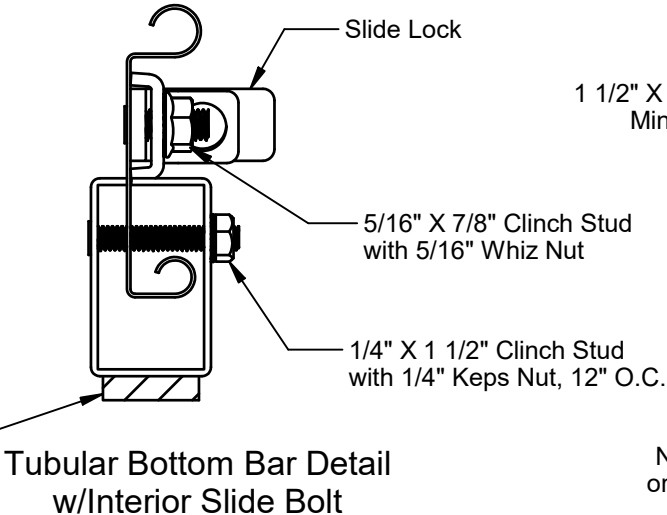
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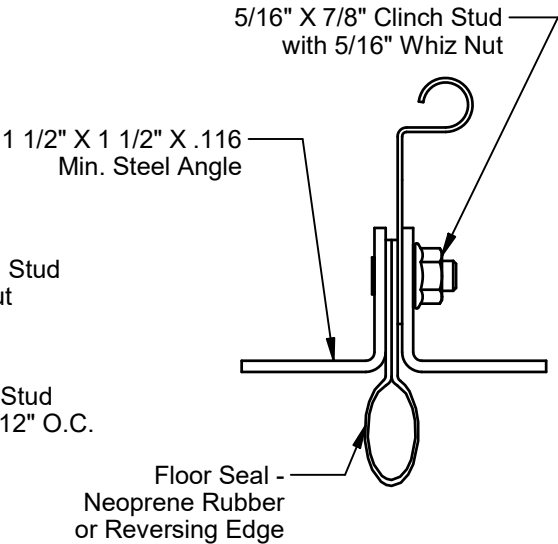
Flat Slat and Insulated Flat Slat Profiles



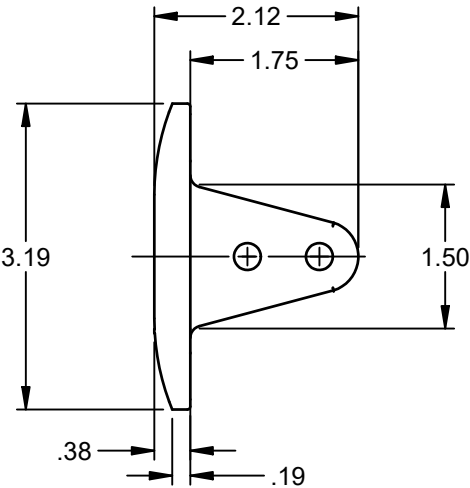
Tubular Bottom Bar Detail



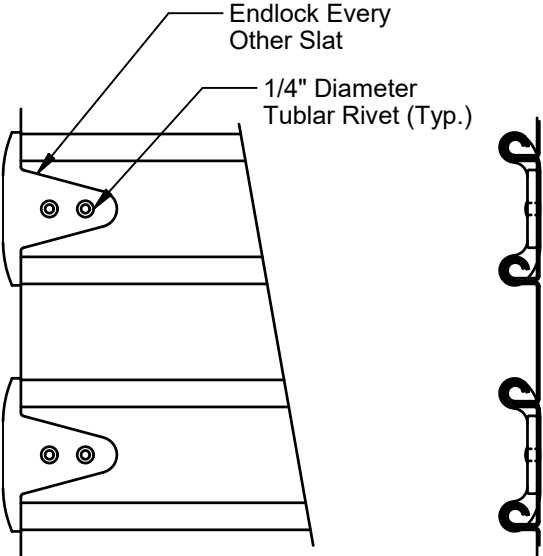
Tubular Bottom Bar Detail w/Interior Slide Bolt



Angle Bottom Bar Detail



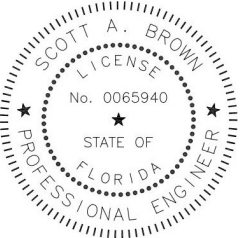
Malleable Cast Iron Endlock



Interlocking Slats w/Endlocks

General Specifications

- 1) DOORS shall be rolling steel model DURACOIL (Standard Service Door) or FIRECOIL (Fire Door) as manufactured by Raynor Garage Doors.
- 2) GUIDES - Roll-formed steel angle per ASTM A1011, Minimum 3/16" thick provided with 4 removable curtain stops. Minimum yield strength of 50,000 PSI.
- 3) BRACKETS - Steel plates, in accordance to ASTM A36 Steel, Min. 3/16" thick, bolted to guides for mounting curtain and barrel assembly. Drive side bracket shall be fitted with a sealed ball bearing for long life.
- 4) BARREL - Structural steel pipe, Minimum 4 1/2" O.D. x .120" wall thickness and designed to limit maximum deflection, under load, to .03" per foot of span.
- 5) SPRING COUNTERBALANCE - The curtain shall be counterbalanced by means of oil tempered, helical torsion springs, grease-packed and mounted on a single continous steel torsion shaft. Springs shall be compression spring design to facilitate any counterbalance maintenance. Cast iron spring anchors shall transfer full spring loading to the barrel. This is not part of the approval. It must be certified by an independent agency.
- 6) HOOD - Shall be 24 ga. Commercial quality hot-dipped galvanized steel. Hood to have rolled edges to provide rigidity.
- 7) GUIDE HARDWARE - All bolts and washers shall be galvanized steel or stainless steel with a minimum bolt tensile strength of 60 K.S.I.
- 8) ENDLOCKS - Shall be cast malleable iron, in accordance to ASTM A47 - GRADE 32510 with electroplating in accordance to ASTM B633, clear chromate, Min. .0007 zinc coating thickness.
- 9) CURTAIN FLAT SLAT - Interlocking slats rollformed from commercial quality hot dipped galvanized (G-90) steel per ASTM A653. Malleable endlocks fastened to alternate slats with 2 rivets per endlock, eliminates lateral movement and prevent slats from wearing at surfaces coming in contact with guides. Bottom of curtain shall be reinforced with Steel 1 1/4" X 2 1/16" X .078 tubular bottom bar or with (2) Steel angle, min. 1 1/2" X 1 1/2" X .116.
- 10) CURTAIN INSULATED SLAT - Interlocking slats rollformed from commercial quality hot dipped galvanized (G-90) steel per ASTM A653. Each insulated standard service door slat shall have a 3/4" thick polyiso foamboard core, placed within the full length of the slat. Backing cover rollformed from 24 ga. commercial quality hot dipped galvanized (G-60) steel per ASTM A653. Malleable endlocks fastened to alternate slats with 2 rivets per endlock, eliminates lateral movement and prevent slats from wearing at surfaces coming in contact with guides. Bottom of curtain shall be reinforced with Steel 1 1/4" X 2 1/16" X .078 Tubular Bottom Bar or with (2) Steel angle, min. 1 1/2" X 1 1/2" X .116.
- 11) Steel slat material to have a min. yield strength of 48,379 psi.

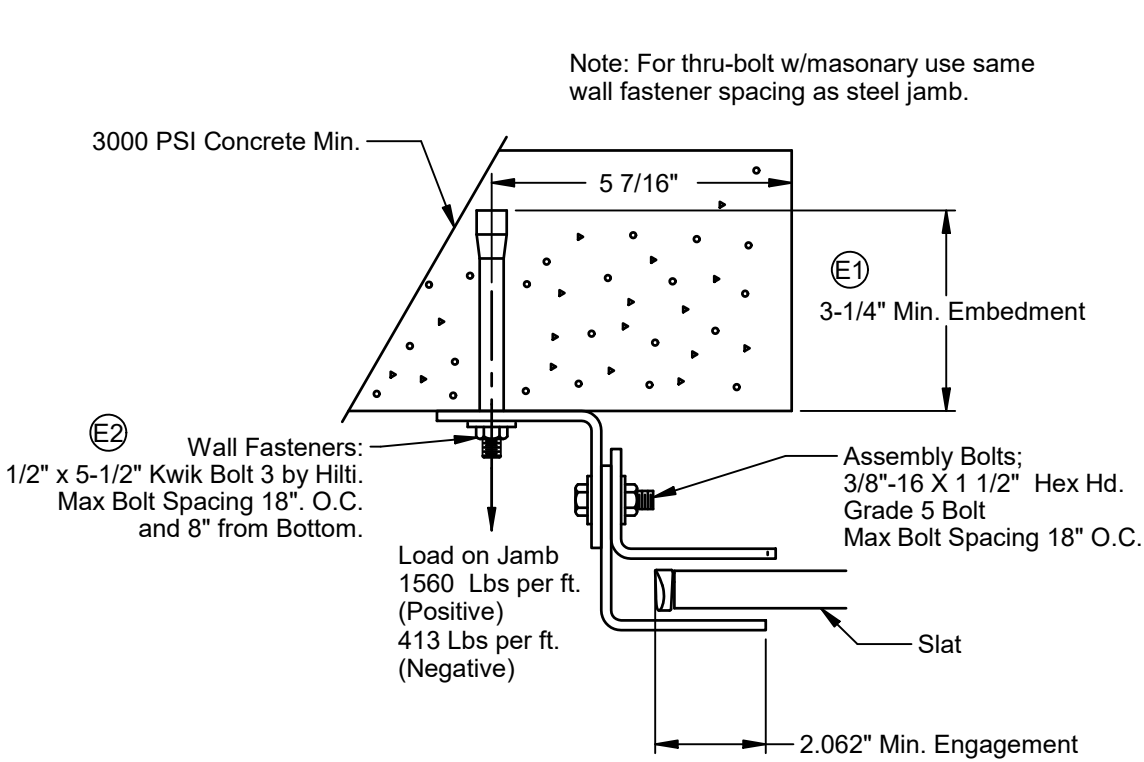


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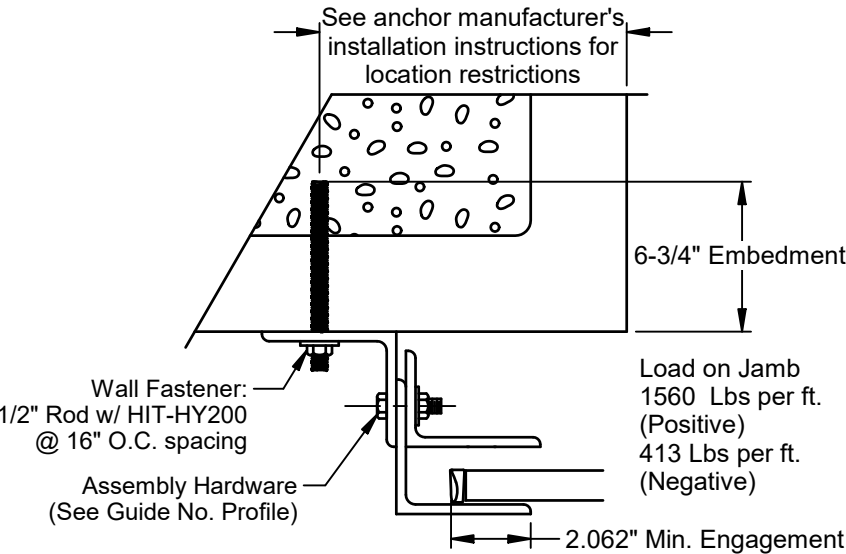
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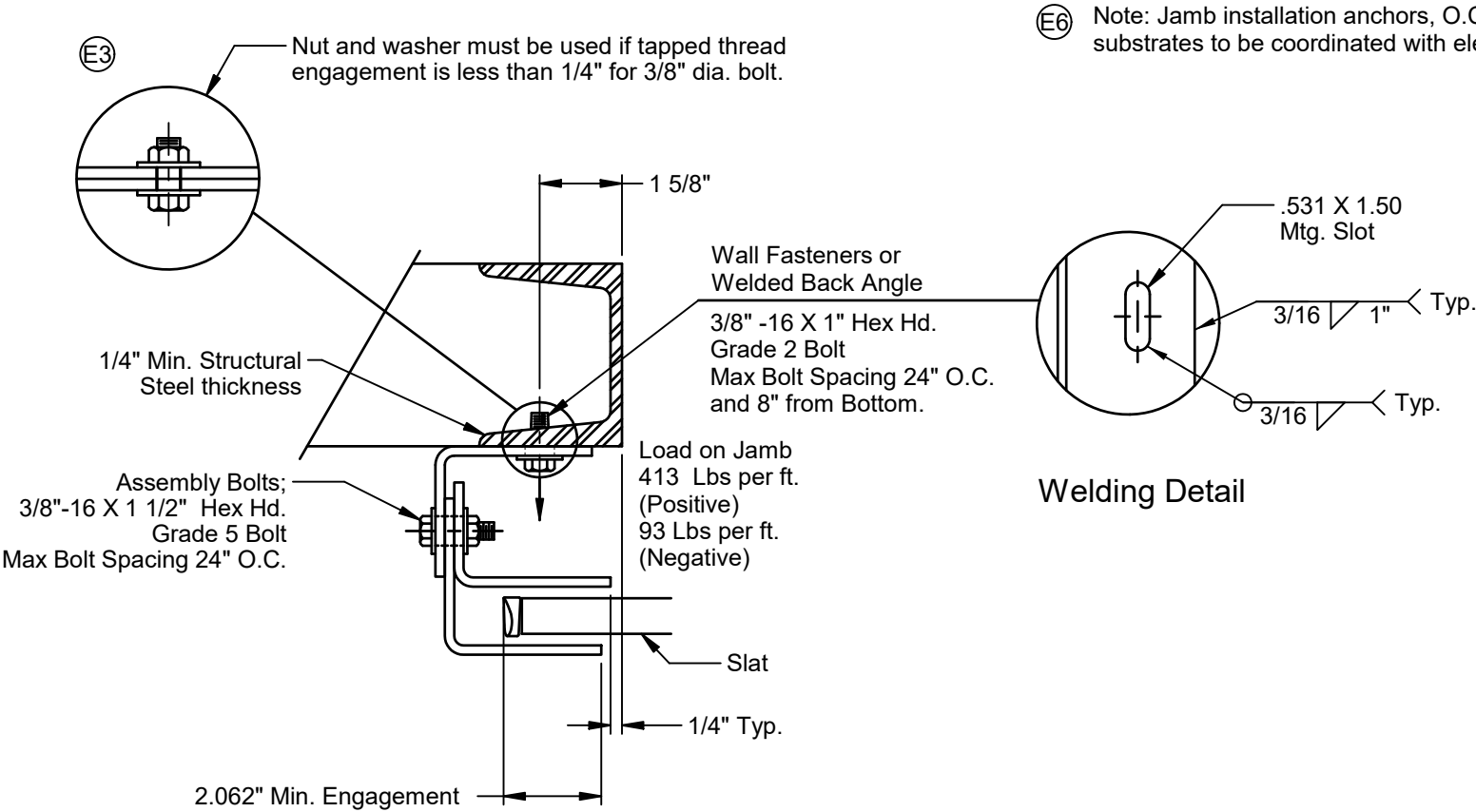
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		Drawn by: M. Reutzel		No. P-1286	Sheet 2	Rev G
		Checked by: J. Bonnell				
	Finish:					
	Date: 09/10/13					
	ECO: 4696					



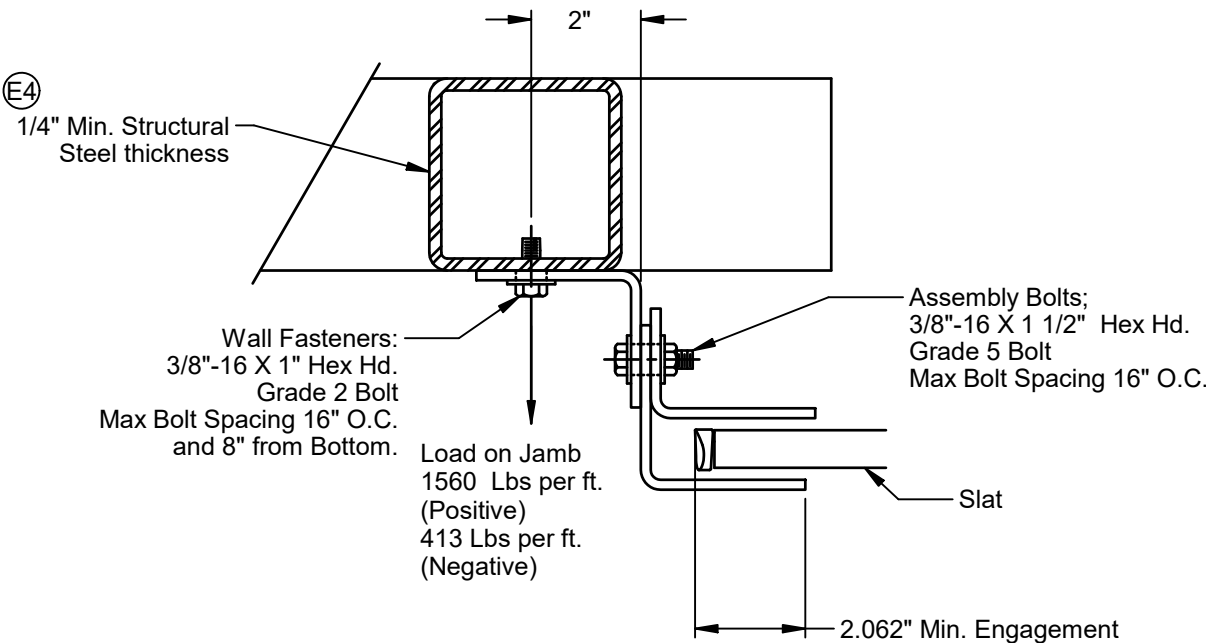
Concrete Jamb - "Z" Mtd.



Masonry Filled Block Jamb - "Z" Mtd.
8" CMU Block Wall



Steel Jamb - "E" Mtd.



Steel Jamb - "Z" Mtd.

(E6) Note: Jamb installation anchors, O.C. spacing & substrates to be coordinated with elevation on sheet 1.

Welding Detail

See anchor manufacturer's installation guides for spacing restrictions for CMU block.

Alternate design may be approved by a licensed professional engineer.

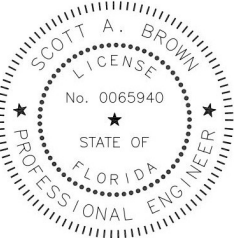
Supporting structural elements shall be designed by a licensed professional engineer for wind loads in addition to other loads.

The suitability of the structural building components must be verified by the engineer of record for the building.

Corrosion-Resistant Fasteners and Connectors

Internal components - including fasteners, anchors, connectors, metal plates, and other hardware - do not comply with the corrosion-resistance requirements of FBC Section 1711. Therefore, this product is not suitable for Exterior or Unconditioned Interior installations within 3000 feet of a saltwater coastline.

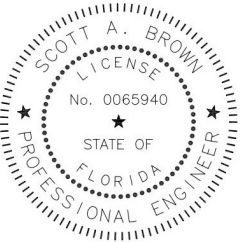
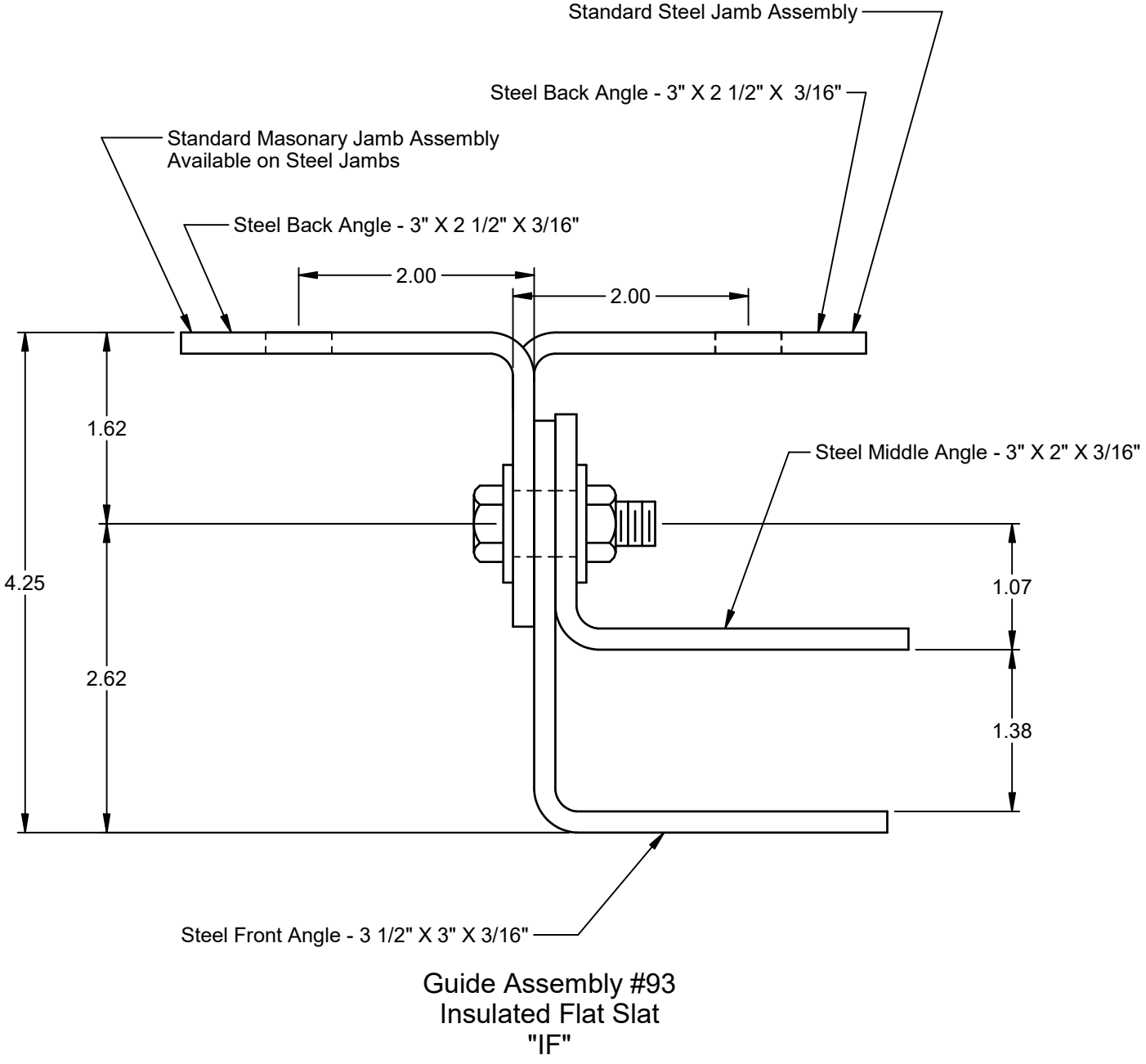
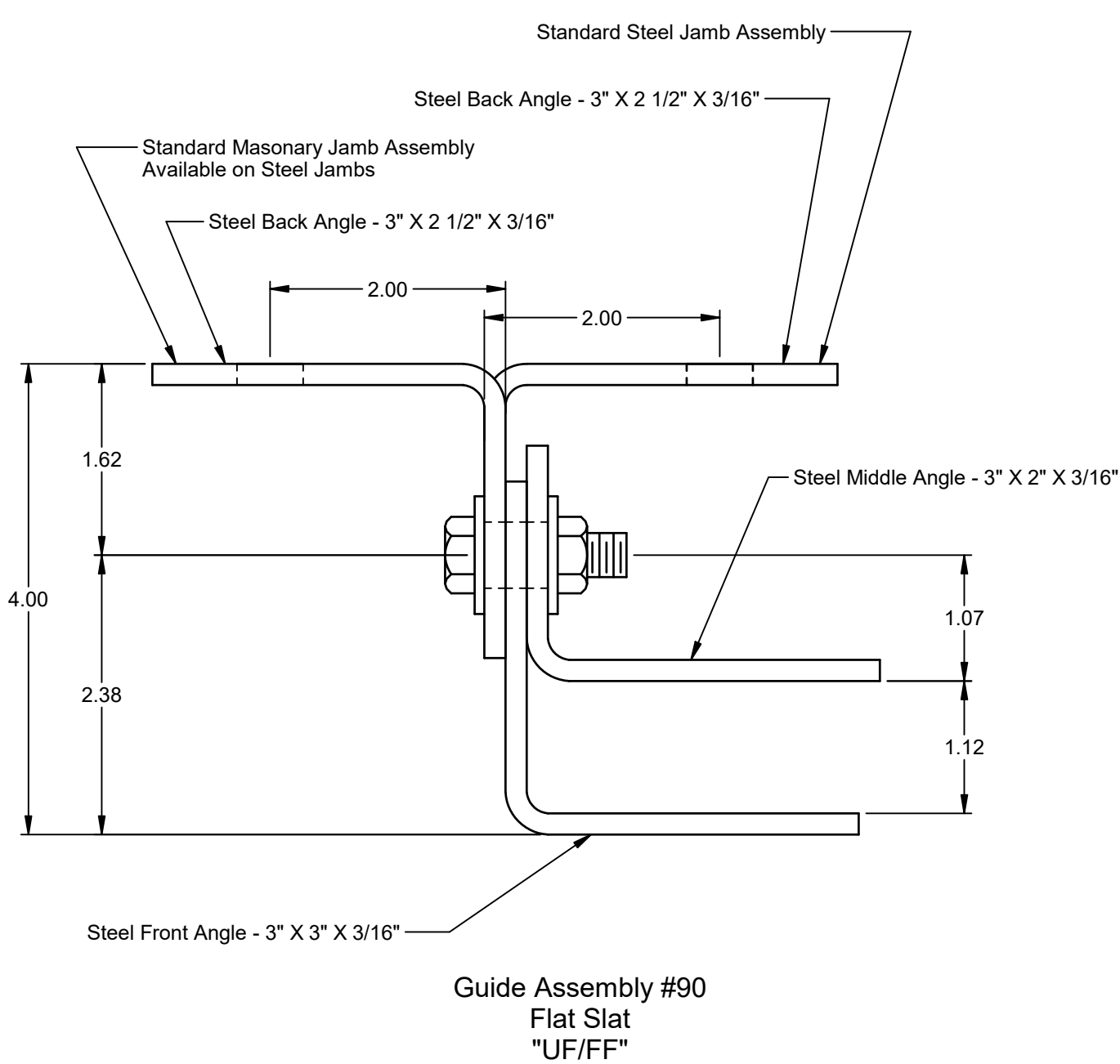
Tolerances: Dimensions are in inches Two Place (.XX) ± .03 Three Place (.XXX) ± .015 Angles ± 1° Unless otherwise specified	Material:	Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load, HVHZ DuraCoil/FireCoil - 18ga. Minimum Series UF/FF/IF		
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	Finish:	Date: 09/10/13		No. P-1286	Sheet 3	Rev G
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Tolerances: Dimensions are in inches Two Place (.XX) ± .03 Three Place (.XXX) ± .015 Angles ± 1° Unless otherwise specified	Material:	Scale: None	 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load, HVHZ DuraCoil/FireCoil - 18ga. Minimum Series UF/FF/IF		
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	Finish:	Date: 09/10/13				
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