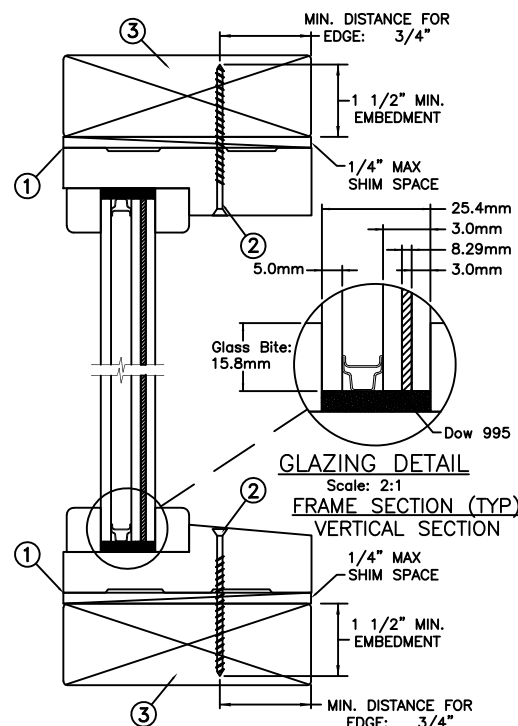
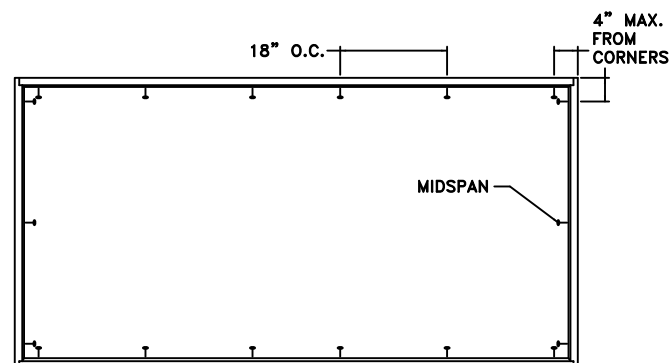
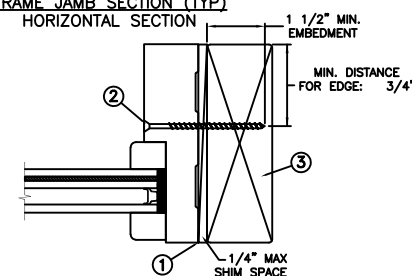


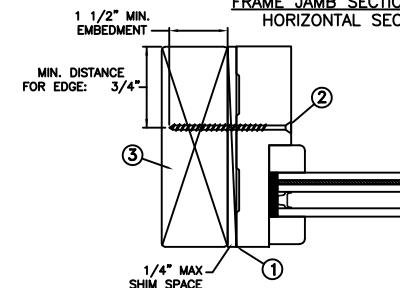
THROUGH FRAME INSTALLATION



FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION



FRAME JAMB SECTION (TYP)
HORIZONTAL SECTION



Max Frame	DP Rating	Impact
97 3/4" x 48 3/4"	+65/-70	WZ3
LARGE MISSILE IMPACT		

Installed Fastener Schedule:

1. Seal flange/frame to substrate.
2. Use #8 PH or greater fasteners through frame with sufficient length to penetrate a minimum of 1 1/2" into the wood framing. For 2X wood frame substrate (min. S.G. = 0.42).
3. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

This schedule addresses only the fasteners required to anchor the window to achieve the rated design pressure up to the size limitations noted. It is not intended as a guide to the installation process and does not address the sealing consideration that may arise in different wall conditions. For the complete installation procedure, see the instructions packaged with the door or go to www.jeld-wen.com.

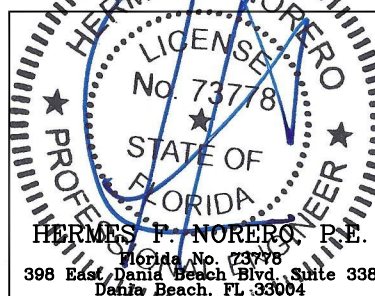
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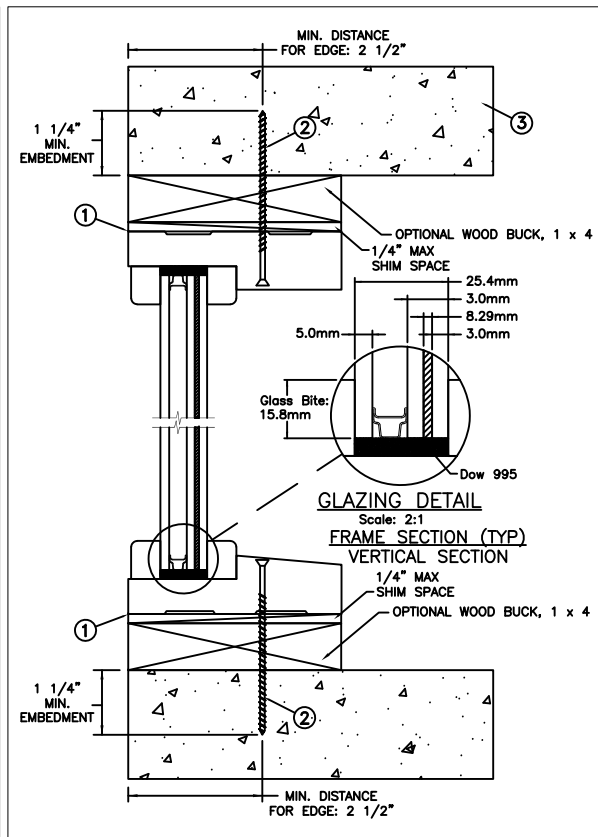
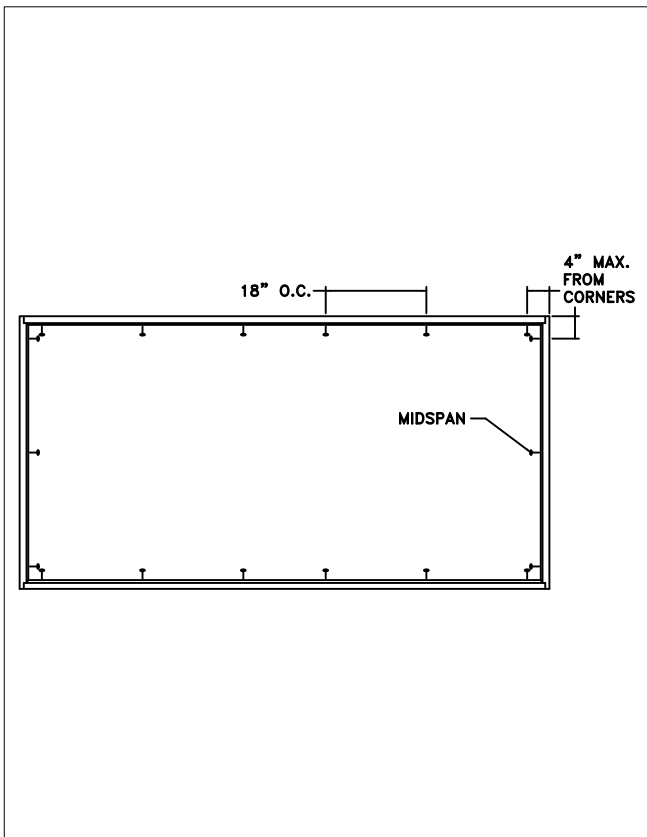
General Notes:

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2. Buck, framing and masonry by others and is responsibility of architect or engineer of record.
3. All glazing shall conform to ASTM E1300.
4. At minimum, glazing shall be 5.0mm tempered - 12.11mm airspace - 3.0mm annealed - 2.29mm PVB Interlayer by Dupont - 3.0mm annealed insulating glass.

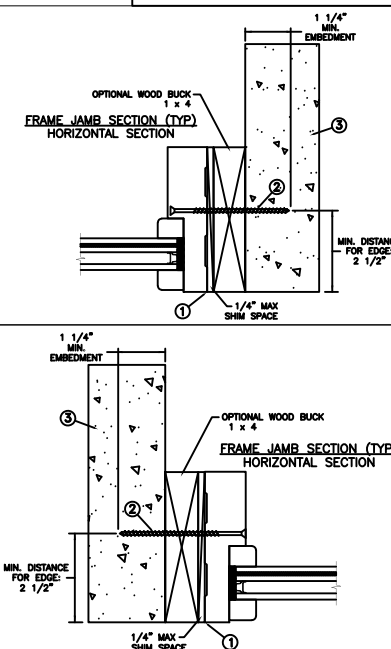
Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2018.04.06 17:04:05 -04'00'



PROJECT ENGINEER: ---	DATE: 03/08/2018	JELD-WEN 3737 Lakeport Blvd Klamath Falls, OR. 97601 Phone: (800) 535-3936
DRAWN BY: D. Vezo	SCALE: NTS	
CHECKED BY: J. Hawkins	TITLE: Aurora Outswing Transom Impact	
APPROVED BY: D. Vezo		
PART/PROJECT No.: D015110		
IDENTIFIER No.: 110-17-148	PLANT NAME AND LOCATION: ----	CAD DWG. No.:
	REV:	SHEET 1 of 6



THROUGH FRAME INSTALLATION



Max Frame	DP Rating	Impact
97 3/4" x 48 3/4"	+65/-70	WZ3
LARGE MISSILE IMPACT		

Installed Fastener Schedule:

1. Seal flange/frame to substrate.
2. Use 3/16" Tapcon or equivalent fasteners through frame with sufficient length to penetrate a minimum of 1 1/4" into concrete or masonry at each location with a 2 1/2" min. from edge distance. For concrete (min. $f_c = 3000$ psi) or masonry substrate (min $f_c = 2000$ psi) (CMU shall adhere to ASTM C90).
3. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

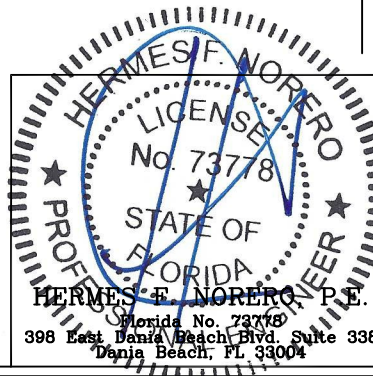
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DISCLAIMER:

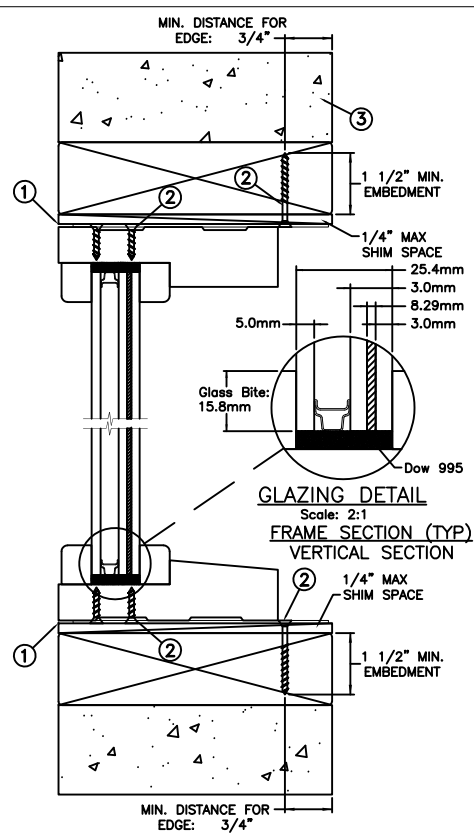
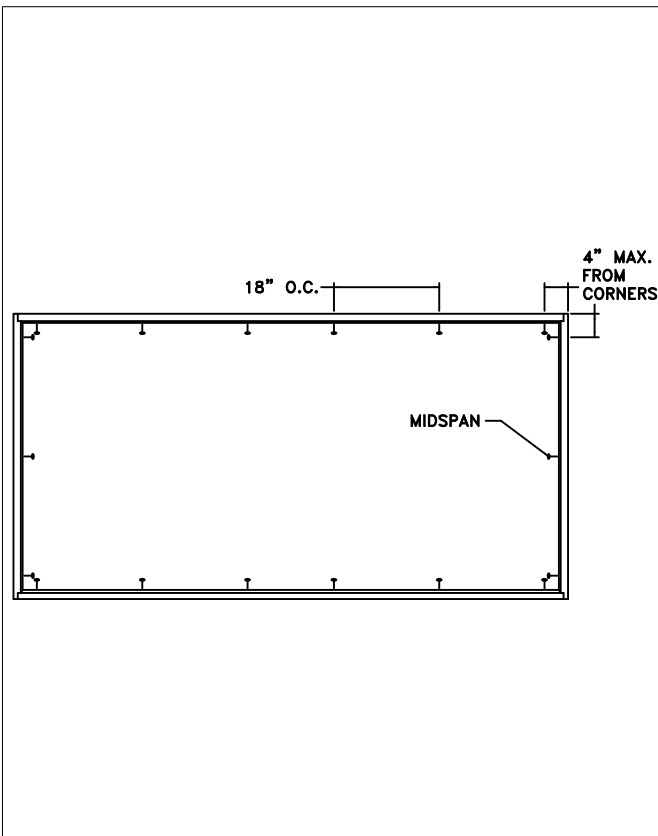
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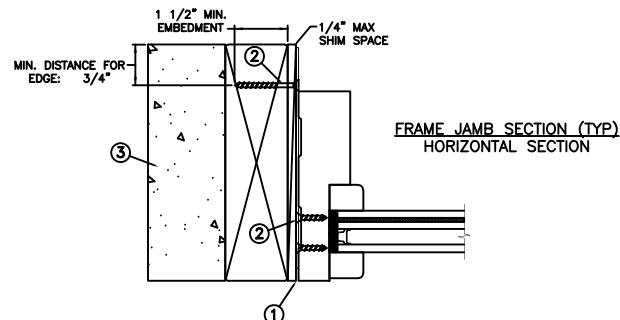
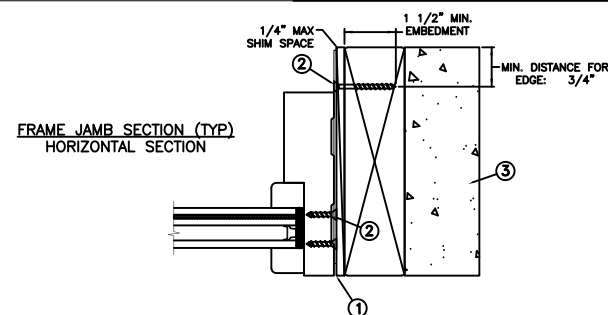
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PROJECT ENGINEER: --	DATE: 03/08/2018	JELD-WEN 3737 Lakeport Blvd Klamath Falls, OR. 97601 Phone: (800) 535-3936		
DRAWN BY: D. Vezo	SCALE: NTS			
CHECKED BY: J. Hawkins	TITLE: Aurora Outswing Transom Impact			
APPROVED BY: D. Vezo				
PART/PROJECT No.: D015110				
IDENTIFIER No. 110-17-148				
PLANT NAME AND LOCATION: ----		CAD DWG. No.:	REV:	SHEET 2 of 6



MASONRY STRAP INSTALLATION



Max Frame	DP Rating	Impact
97 3/4" x 48 3/4"	+65/-70	WZ3
LARGE MISSILE IMPACT		

Installed Fastener Schedule:

1. Seal flange/frame to substrate.
2. Install masonry straps to wood frame using 2-#8 corrosion resistant fasteners no more than 4" from each corner and 18" o.c. along the head and sill and midspan on the jamb. Fasten straps to buck and secure with #8 fastener thru masonry strap into buck. Fasteners must be long enough to penetrate at least 1 1/2" into framing members.
3. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

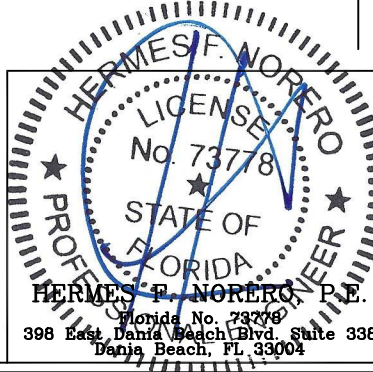
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DISCLAIMER:

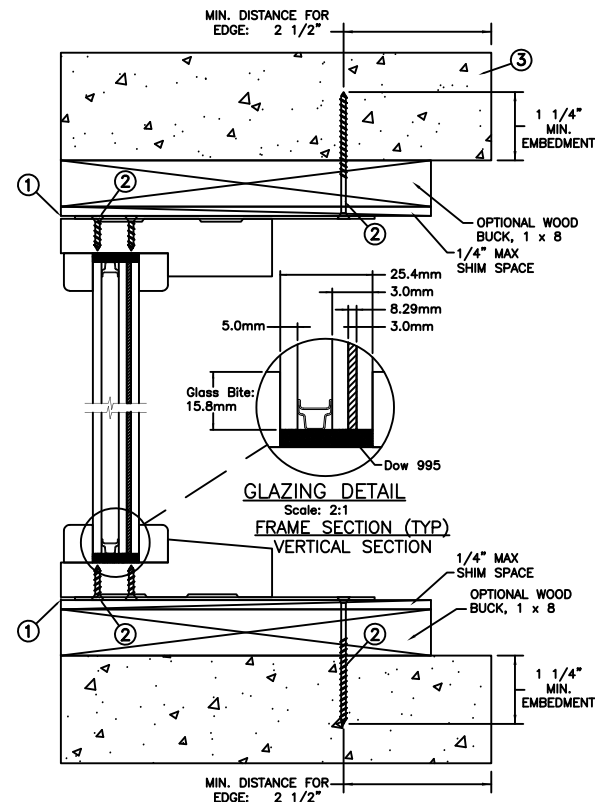
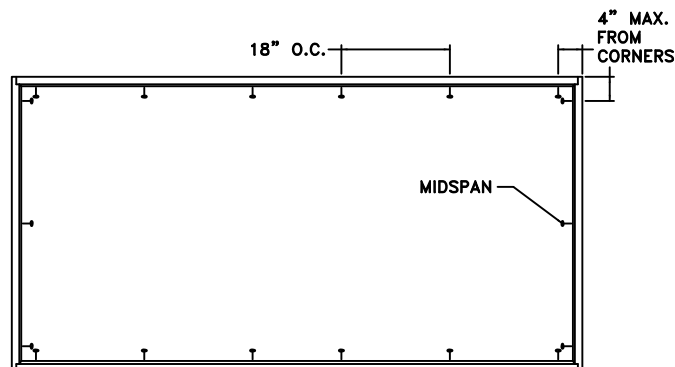
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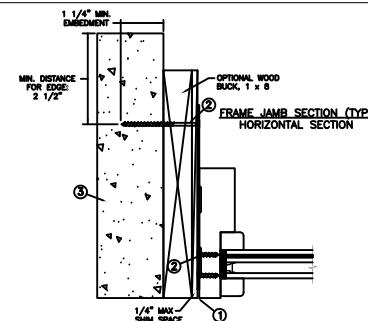
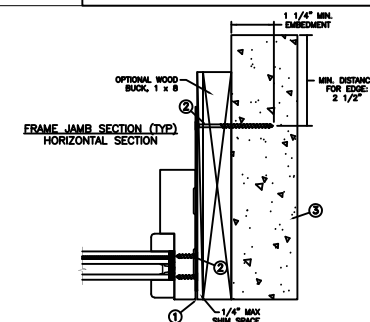
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3. All glazing shall conform to ASTM E1300.
4. At minimum, glazing shall be 5.0mm tempered - 12.11mm airspace - 3.0mm annealed - 2.29mm PVB Interlayer by Dupont - 3.0mm annealed insulating glass.



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DRAWN BY: D. Vezo	SCALE: NTS				
CHECKED BY: J. Hawkins	TITLE: Aurora Outswing Transom Impact				
APPROVED BY: D. Vezo					
PART/PROJECT No.: D015110					
IDENTIFIER No. 110-17-148	PLANT NAME AND LOCATION: ----	CAD DWG. No.:	REV:	SHEET 3 of 6	



MASONRY STRAP INSTALLATION



Max Frame	DP Rating	Impact
97 3/4" x 48 3/4"	+65/-70	WZ3
LARGE MISSILE IMPACT		

Installed Fastener Schedule:

1. Seal flange/frame to substrate.
2. Use 2-3/16" Tapcon or equivalent fasteners through strap with sufficient length to penetrate a minimum of 1 1/4" into concrete or masonry at each location with a 2 1/2" min. from edge distance. 2-#8 x 1/2" PH screws through the strap into frame. For concrete (min. $f_c = 3000$ psi) or masonry substrate (min $f_c = 2000$ psi) (CMU shall adhere to ASTM C90).
3. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

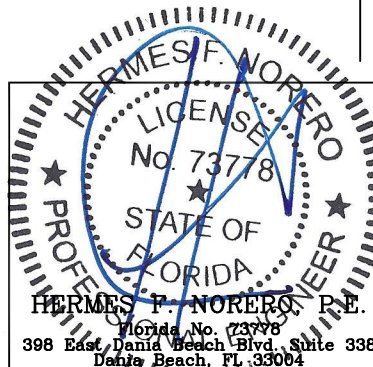
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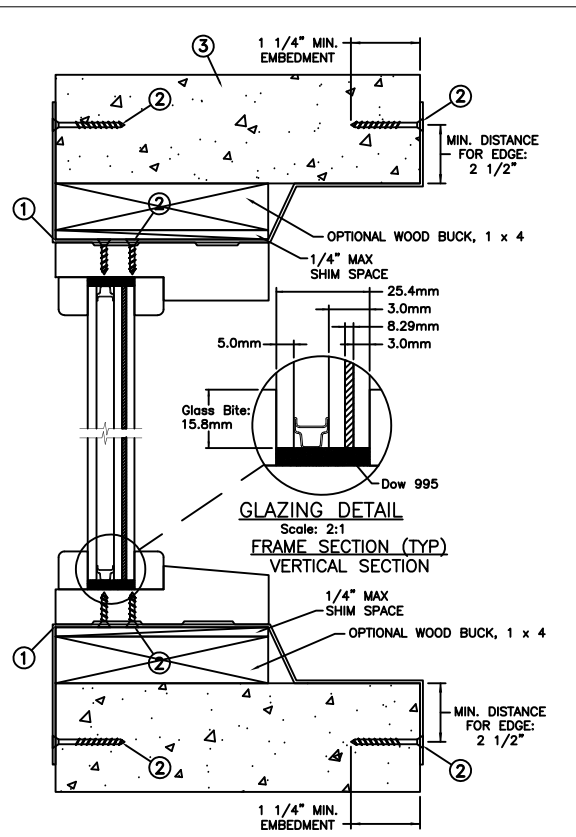
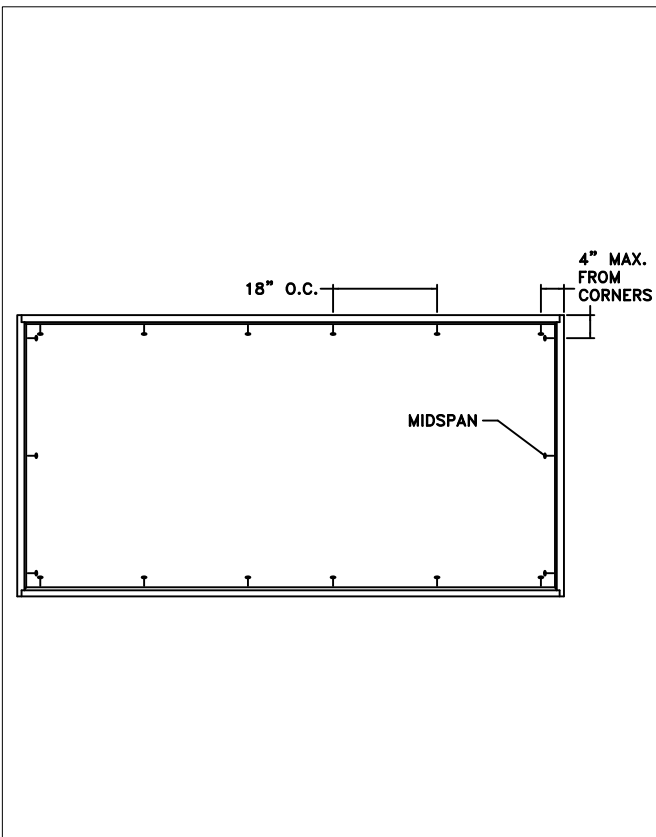
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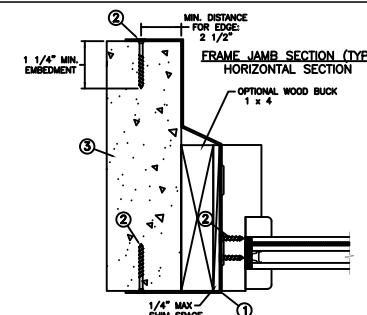
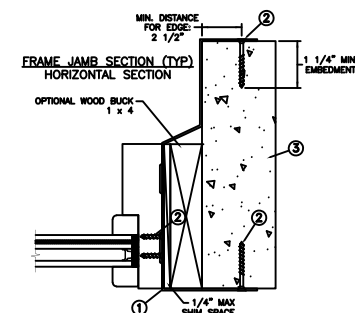
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3. All glazing shall conform to ASTM E1300.
4. At minimum, glazing shall be 5.0mm tempered - 12.11mm airspace - 3.0mm annealed - 2.29mm PVB Interlayer by Dupont - 3.0mm annealed insulating glass.



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DRAWN BY: D. Vezo	SCALE: NTS			
CHECKED BY: J. Hawkins	TITLE: Aurora Outswing Transom Impact			
APPROVED BY: D. Vezo				
PART/PROJECT No.: D015110				
IDENTIFIER No. 110-17-148	PLANT NAME AND LOCATION: ----	CAD DWG. No.:	REV:	SHEET 4 of 6



MASONRY STRAP INSTALLATION



Max Frame	DP Rating	Impact
97 3/4" x 48 3/4"	+65/-70	WZ3
LARGE MISSILE IMPACT		

Installed Fastener Schedule:

1. Seal flange/frame to substrate.
2. Use 3/16" Tapcon or equivalent fasteners through the interior and exterior of the strap with sufficient length to penetrate a minimum of 1 1/4" into concrete or masonry at each location with a 2 1/2" min. from edge distance. 2-#8 x 1/2" PH screws through the strap into frame. For concrete (min. fc = 3000 psi) or masonry substrate (min fc = 2000 psi) (CMU shall adhere to ASTM C90).
3. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

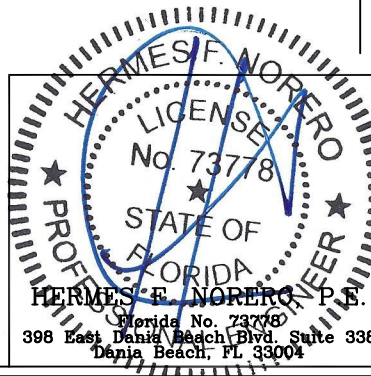
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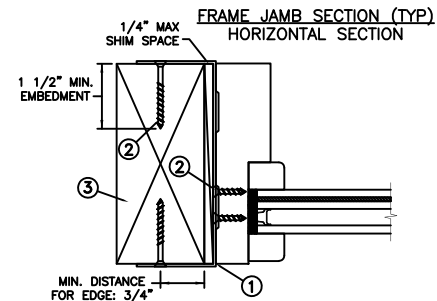
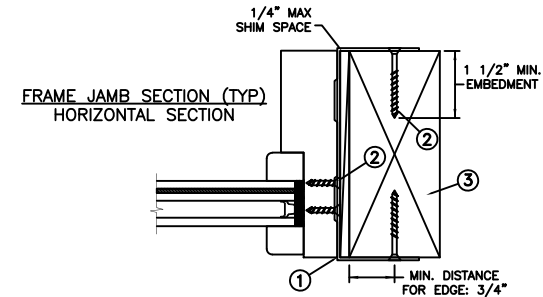
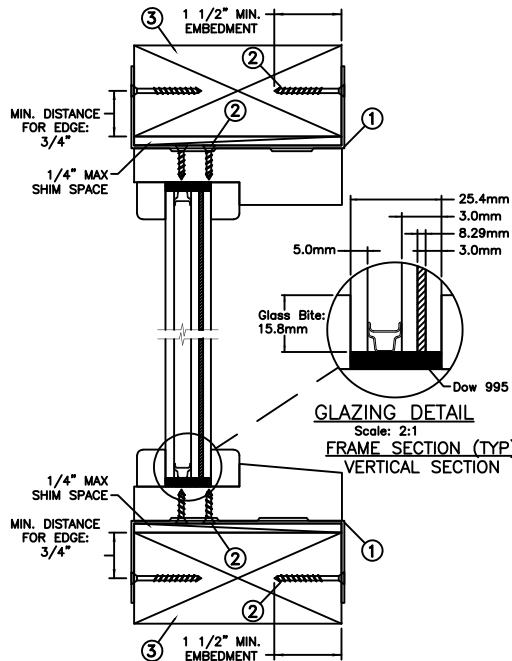
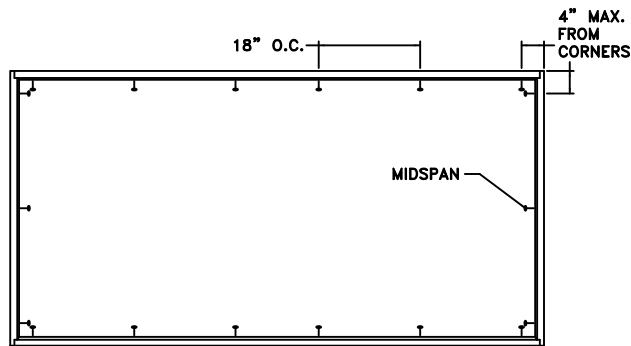
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DRAWN BY: D. Vezo	SCALE: NTS				
CHECKED BY: J. Hawkins	TITLE: Aurora Outswing Transom Impact				
APPROVED BY: D. Vezo					
PART/PROJECT No.: D015110					
IDENTIFIER No. 110-17-148					
PLANT NAME AND LOCATION: ----		CAD DWG. No.:	REV:	SHEET 5 of 6	

MASONRY STRAP INSTALLATION



Max Frame	DP Rating	Impact
97 3/4" x 48 3/4"	+65/-70	WZ3
LARGE MISSILE IMPACT		

Installed Fastener Schedule:

1. Seal flange/frame to substrate.
2. Install masonry straps to wood frame using 2-#8 corrosion resistant fasteners no more than 4" from each corner and 18" o.c. along the head and sill and midspan on the jamb. Bend straps around buck to the interior and exterior, and secure with #8 fastener thru masonry strap into buck. Fasteners must be long enough to penetrate at least 1 1/2" into framing members. Minimum specific gravity = (Min. S.G. = 0.42).
3. Host structure (wood buck, stud framing and opening) to be designed and anchored to properly transfer all loads to the structure. The host structure is the responsibility of the architect or engineer of record for the project of installation.

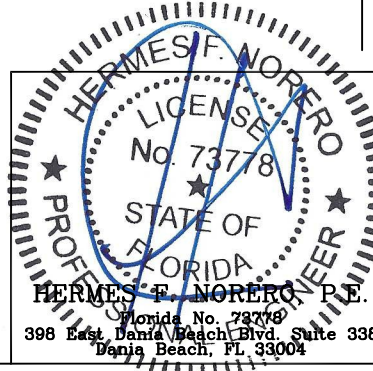
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