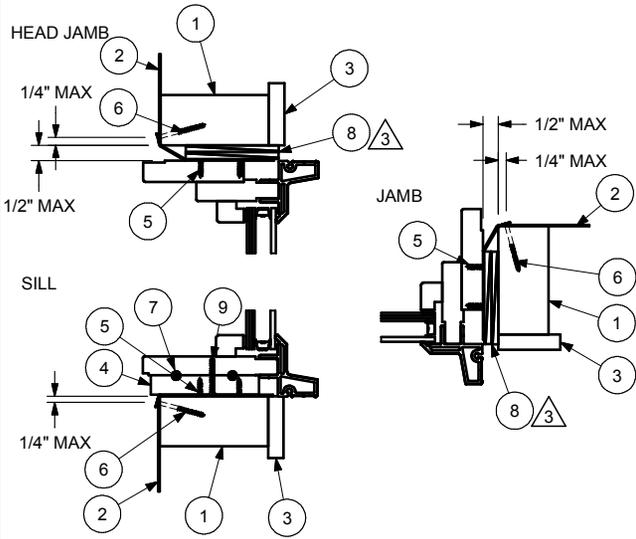


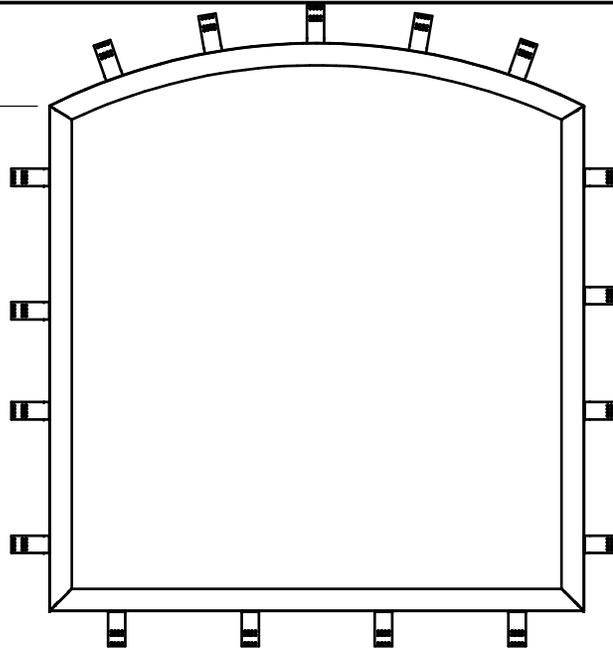
IRT DH INSTALLATION



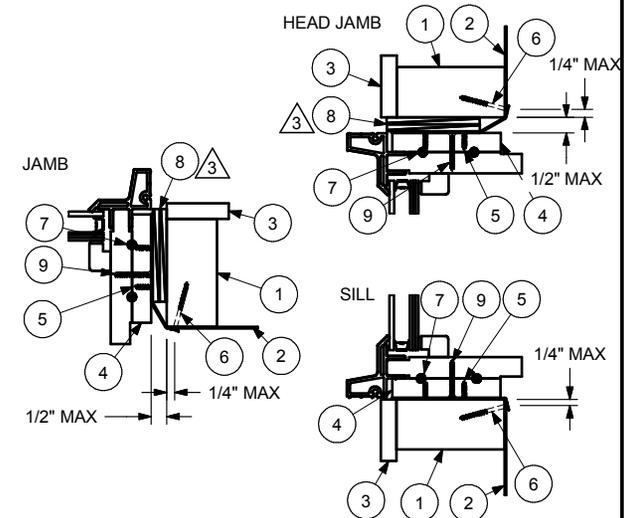
IRT DH INSTALLATION

6" MAX
ALL SIDES

12" MAX
ALL SIDES



IRT CASEMENT INSTALLATION



IRT CASEMENT INSTALLATION

STRUCTURAL BRACKET INSTALLATION:

- APPLY 5/8" X 3 1/2" FULL LENGTH #2 PINE OR 5/8" X 3 1/2" EXTERIOR GRADE C PLYWOOD WITH TWO 5/16" DIA BEADS OF APA RATED AFG-1 SPEC C290 CONSTRUCTION ADHESIVE.
- FASTEN WITH 1 1/4" DRYWALL SCREWS. CENTER SCREWS ALONG FILLER BOARD, SPACING THEM 10" FROM THE ENDS AND 12" ON CENTER.
- ATTACH EACH STRUCTURAL BRACKET TO THE UNIT WITH TWO #7 X .625" SCREWS. SPACE BRACKETS PER ELEVATION, MINIMUM OF TWO BRACKETS PER SIDE
- WRAP BRACKETS TO THE INTERIOR OF FRAMING.
- PREDRILL TWO 5/32" HOLES THROUGH BRACKET FOR SCREWS TO ATTACH THE BRACKET TO THE FRAMING.
- ATTACH THE BRACKET TO THE FRAMING USING TWO 1 5/8" DRYWALL SCREWS. ANGLE SCREWS TOWARDS THE THICKER PART OF THE FRAMING

STRUCTURAL BRACKET INSTALLATION:

- APPLY 5/8" X 3 1/2" FULL LENGTH #2 PINE OR 5/8" X 3 1/2" EXTERIOR GRADE C PLYWOOD WITH TWO 5/16" DIA BEADS OF APA RATED AFG-1 SPEC C290 CONSTRUCTION ADHESIVE TO HEAD JAMB, JAMB AND SILL.
- FASTEN WITH 1 1/4" DRYWALL SCREWS. CENTER SCREWS ALONG FILLER BOARD, SPACING THEM 10" FROM THE ENDS AND 12" ON CENTER.
- ATTACH EACH STRUCTURAL BRACKET TO THE UNIT WITH TWO #7 X .625 SCREWS. SPACE BRACKETS PER ELEVATION, MINIMUM OF TWO BRACKETS PER SIDE.
- WRAP BRACKETS TO THE INTERIOR OF FRAMING.
- PREDRILL TWO 5/32" HOLES THROUGH BRACKET FOR SCREWS TO ATTACH THE BRACKET TO THE FRAME.
- ATTACH THE BRACKET TO THE FRAME USING TWO 1 5/8" DRYWALL SCREWS. ANGLE SCREWS TOWARDS THE THICKER PART OF THE FRAMING

NOTES:

1. FOR GENERAL SPECIFICATIONS, REFER TO DOC 00003952
2. THIS PRINT IS FOR STRUCTURAL PERFORMANCE ONLY. FOR FLASHING & SEALING INSTRUCTIONS, REFER TO THE INSTALLATION INSTRUCTIONS.
3. SHIMS:
 - PLACE SHIMS WITHIN 4" - 6" OF EACH CORNER AND SPACE ALL OTHERS EVENLY AT A MAXIMUM OF 15" APART
4. IF CHEMICALLY TREATED LUMBER IS USED FOR FRAMING MATERIAL, FASTENERS INTO THE BUCK MUST BE A MINIMUM OF 0.90 OZ/FT² ZINC HOT DIPPED GALVANIZED OR STAINLESS STEEL TYPE 304 OR 316

9	NA	1.250" DRYWALL SCREW
8	NA	SHIMS
7	NA	APA RATED CONSTRUCTION ADHESIVE
6	NA	1.625" DRYWALL SCREW
5	00003212	#7 X .625" SCREW
4	NA	.625" x 3.500" FILLER BY CONTRACTOR
3	NA	SHEATHING
2	00003778	STRUCTURAL BRACKET 6" & 10"
1	NA	FRAMING MATERIAL
ITEM	DWG NO	DESCRIPTION
PARTS LIST		

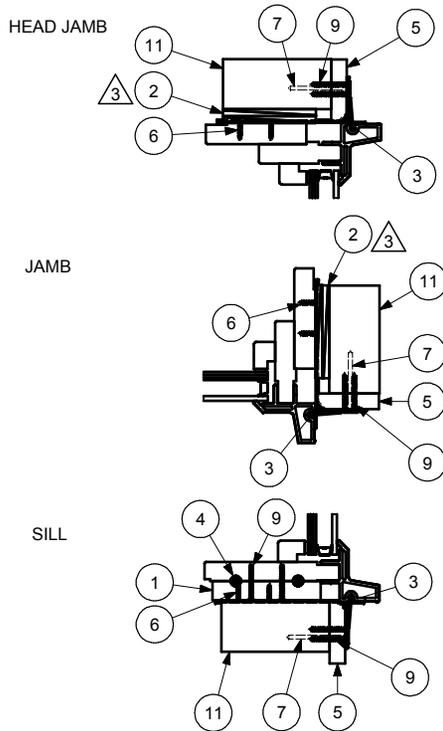
		RESEARCH & DEVELOPMENT	
		WARROAD, MN, USA, (218) 386-4021	
PRODUCT:		INTEGRITY WOOD ULTRIX	
CATEGORY:		IRT	
UNIT TYPE:		IRT	
DWG TYPE:		ASSEMBLY	
DESCRIPTION: FL 10188, IMPACT, IRT, STRUCTURAL BRACKET			
CHK: RJB	SIZE: B	CLASS: ASSY	DWG NO: 00089839
APP: BAJ	SCALE: NA	DATE: 02/20/14	DWG BY: ROSS, ROBERT
			SHEET: 1 OF 1

0.0	ORIGINAL ISSUE	17584	01/20/14	RMR
REV	DESCRIPTION / REQUESTOR	ECN NO	DATE	REV BY

NOTICE - CONFIDENTIAL INFORMATION

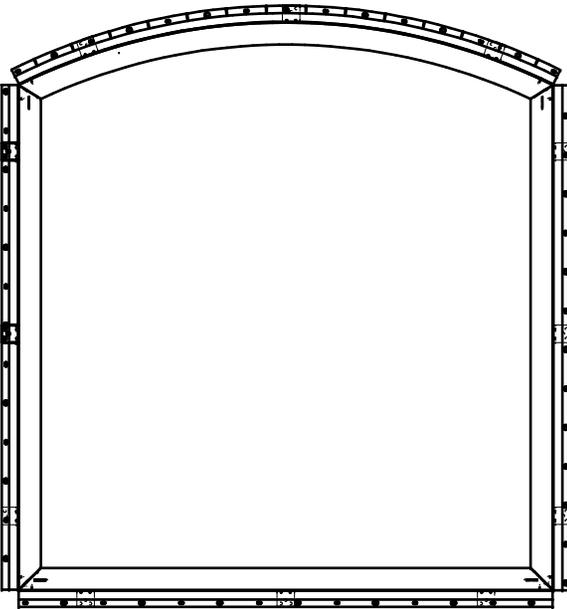
The information in this document is privileged and strictly confidential. The information contained herein shall be used only by Marvin Windows and Doors employees and by those agents or suppliers granted official written permission. If the reader of this document is not the intended recipient, or the employee or agent of the intended recipient, please delete this document from all data storage devices, and destroy all hard copies. Any unauthorized dissemination, distribution, copying or other use of the information contained in this document is strictly prohibited.

IRT DH NAIL FIN INSTALLATION



6" MAX TYPICAL ALL SIDES

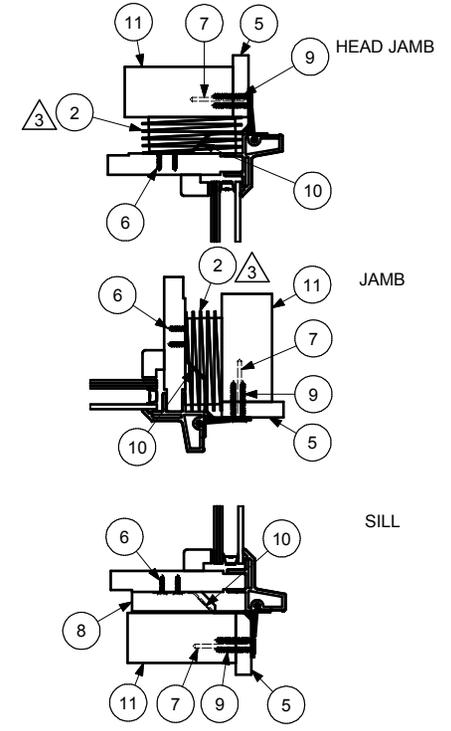
18" MAX ALONG ALL SIDES



4" MAX ALL SIDES

7" MAX ALL SIDES

IRT CASEMENT NAIL FIN INSTALLATION



NAIL FIN INSTALLATION

- ATTACH .625 X 3.500" FILLER BLOCKS TO DH SILL WITH TWO 5/16" DIA BEADS OF APA RATED AFG-1 SPEC C 290 CONSTRUCTION ADHESIVE AT ALL CLIP LOCATIONS
- FASTEN FILLER BLOCKS TO DH SILL WITH 1 1/4" DRYWALL SCREWS
- APPLY INSTALLATION CLIP TO UNIT AROUND PERIMETER. FASTEN WITH TWO (DH) OR THREE (CA) # 7X .625 WOOD SCREWS. SPACE PER ELEVATION
- ATTACH INSTALLATION CLIPS TO FRAMING WITH THREE 1 1/4" DRYWALL SCREWS
- SECURE NAILING FIN WITH 2" GALVANIZED ROOFING NAILS, MINIMUM OF TWO PER SIDE. SPACE PER THE ELEVATION

NOTES:

1. FOR GENERAL SPECIFICATIONS, REFER TO DOC 00003952
2. THIS PRINT IS FOR STRUCTURAL PERFORMANCE ONLY. FOR FLASHING & SEALING INSTRUCTIONS, REFER TO THE INSTALLATION INSTRUCTIONS
- △ 3. SHIMS:
 - PLACE SHIMS WITHIN 4"-6" OF EACH CORNER AND SPACE ALL OTHERS EVENLY, A MAXIMUM OF 15" APART
4. IF CHEMICALLY TREATED LUMBER IS USED FOR FRAMING MATERIAL, FASTENERS INTO THE FRAMING MUST BE A MINIMUM OF 0.90 OZ/FT² ZINC HOT DIPPED GALVANIZED OR STAINLESS STEEL TYPE 304 OR 316
5. #8 X 1 1/4" PAN HEAD OR WAFFLE HEAD SCREWS MAY BE SUBSTITUTED FOR 2" ROOFING NAILS

11	NA	FRAMING MATERIAL
10	00050381	STATIONARY INSTALLATION CLIP
9	NA	1 1/4" DRYWALL SCREW
8	00007743	SILL STANDING BLK, 100 MULL SPLICE BLK
7	NA	2" GAL. ROOF NAIL
6	00003212	#7 x .625" SCREW
5	NA	SHEATHING
4	NA	APA RATED CONSTRUCTION ADHESIVE
3	00052256	INSTALLATION CLIP
2	NA	SHIMS
1	NA	.625" X 3.500" FILLER BY CONTRACTOR
ITEM	DWG NO	DESCRIPTION
PARTS LIST		

		RESEARCH & DEVELOPMENT	
		WARROAD, MN, USA, (218) 386-4021	
PRODUCT CATEGORY:		INTEGRITY WOOD ULTRIX	
UNIT TYPE:		IRT	
DWG TYPE:		ASSEMBLY	
DESCRIPTION:		FL 10188, IMPACT, IRT, NAILFIN	
CHK: SAL	SIZE: B	CLASS: ASSY	DWG NO: 00089844
APP: BAJ	SCALE: NA	DATE: 02/21/14	DWG BY: ROSS, ROBERT
			SHEET: 1 OF 1

0.0	ORIGINAL ISSUE	17584	01/21/14	RMR
REV	DESCRIPTION / REQUESTOR	ECN NO	DATE	REV BY

NOTICE - CONFIDENTIAL INFORMATION

The information in this document is privileged and strictly confidential. The information contained herein shall be used only by Marvin Windows and Doors employees and by those agents or suppliers granted official written permission. If the reader of this document is not the intended recipient, or the employee or agent of the intended recipient, please delete this document from all data storage devices, and destroy all hard copies. Any unauthorized dissemination, distribution, copying or other use of the information contained in this document is strictly prohibited.