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WALL AND OPENING PRESSURES
COMPONENTS AND CLADDING (ASD)

OPENING TYPE	HEIGHT	WIDTH	CODE	TYPE	MATERIAL	PRESSURE (PSF)
WINDOW	38.375"	37"	23	SINGLE HUNG	ALUM*	+17.6 / -23.6
DOOR	96"	36"	S-750	SINGLE CURTAIN	STEEL	+16.6 / -21.6
DOOR	96"	72"	S-750	SINGLE CURTAIN	STEEL	+15.8 / -20.0
DOOR	96"	104"	S-750	SINGLE CURTAIN	STEEL	+15.4 / -19.2
DOOR	96"	120"	S-750	SINGLE CURTAIN	STEEL	+15.3 / -18.8
DOOR	96"	144"	S-3100	SINGLE CURTAIN	STEEL	+15.0 / -18.4

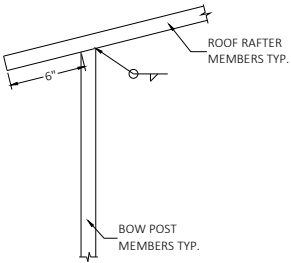
* PROVIDE BARRIER BETWEEN ALUMINUM
AND STEEL TO PREVENT CORROSION

CONNECTOR SCHEDULE

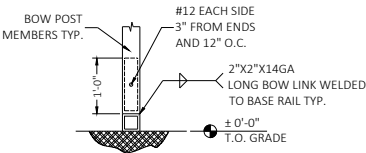
CONNECTION	Ø	LENGTH	TYPE
METAL SIDING ROOF	1/4"	3/4"	SELF-TAPPING
METAL SIDING WALL	1/4"	3/4"	SELF-TAPPING
TUBE TO TUBE	1/4"	3/4"	SELF-TAPPING
MATERIAL	SPACING		
GALV. METAL SCREW	1.5" FROM EACH CORNER, 10" O.C.		
GALV. METAL SCREW	1.5" FROM EACH CORNER, 10" O.C.		
GALV. METAL SCREW	(2) PER TUBE		

FLOOD SOLUTIONS STATIC FLOOD VENTS FL #17588.1-R4				
VENT MODEL	VENT SIZE (WIDTH x HEIGHT) (in.)	ROUGH OPENING SIZE (Width x Height) (in.)	ENCLOSIED AREA COVERAGE (sq. ft.)	NET FREE AREA (sq. in.)
FS-1608	18 1/2" X 10 1/2"	16 X 8	97	80.7
FS-1616	18 1/2" X 18 1/2"	16 X 16	191	158.2
FS-1412	17 1/2" X 14 1/2"	14 1/2" X 12"	129	106.7
FS-1608-HEX	18 1/2" X 10 1/2"	16 X 8	110	91.4

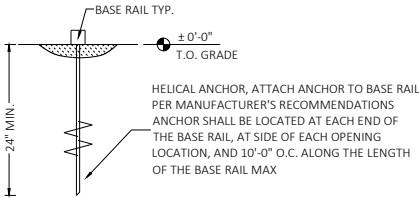
This item has been digitally signed
and sealed by Richard E. Walker,
P.E. on the date adjacent to the seal.
Printed copies of this document are
not considered signed and sealed
and the signature must be verified on
any electronic copies.



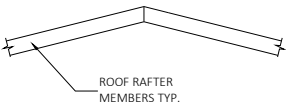
TEE SPLICE CONNECTION



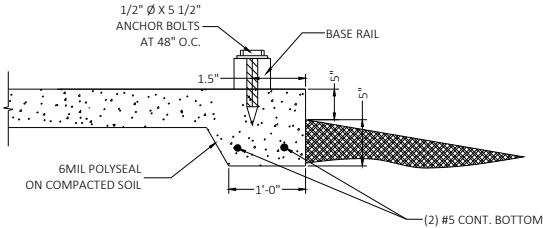
BOW/BASE RAIL SPLICE
CONNECTION



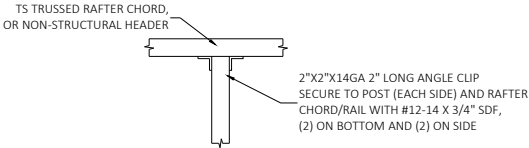
HELICAL ANCHOR
CONNECTION



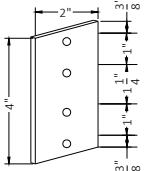
BOW SPLICE CONNECTION
AT RIDGE



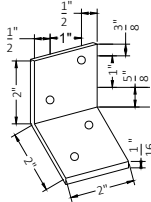
CONCRETE SLAB CONNECTION
(WITH TURNDOWN FOOTER)



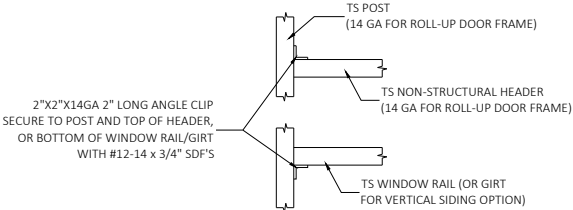
POST TO NON-STRUCTURAL HEADER, BASE,
RAIL OR WINDOW RAIL CONNECTION DETAIL
SCALE: NTS



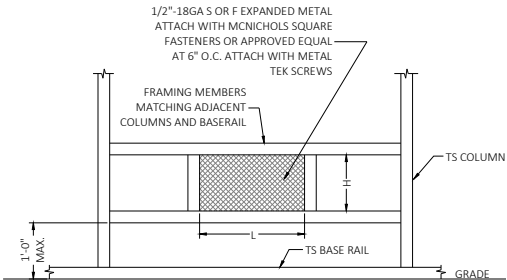
METAL CONNECTOR
PLATE



METAL CLIP ANGLE



NON-STRUCTURAL HEADER OR WINDOW RAIL
TO POST CONNECTION DETAIL
SCALE: NTS



TYPICAL FLOOD VENT DETAIL

CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS:

- CONTRACTOR TO VERIFY THAT THE FINISHED FLOOR ELEVATION FOR THE PROPOSED STRUCTURE IS AT OR ABOVE THE GREATER OF THE FOLLOWING ELEVATIONS:
I) BFE (BASE FLOOD ELEVATION) + H
H = 1'-0" (RISK CATEGORY I & II BUILDINGS)
H = 2'-0" (RISK CATEGORY III & IV BUILDINGS)
II) DFE (DESIGN FLOOD ELEVATION)
III) THE MINIMUM ELEVATION MANDATED BY THE BUILDING CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
- FLOOD VENTS ALONE ARE NOT SUFFICIENT TO MEET THE REQUIREMENTS FOR CONSTRUCTION WITHIN SPECIAL FLOOD HAZARD AREAS.

OPTIONAL FLOOD VENT INSTALLATION NOTES:

- MINIMUM VENT SPACE REQUIRED = 1 SQ. IN. OF OPEN VENT AREA PER SQ. FT. OF ENCLOSED AREA.
- PROVIDE A MINIMUM OF TWO OPENINGS ON DIFFERENT SIDES OF EACH ENCLOSED AREA.
- APPLY A 1.3 FACTOR WHEN CALCULATING TOTAL OPEN AREA WHEN USING 1/2"-18GA S OR F EXPANDED METAL.
- FLOOD VENT DETAIL COMPLIES WITH FEMA/NFIP.
- PREFABRICATED FLOOD VENTS MEETING THE REQUIREMENTS OF FEMA/NFIP MAY BE INSTALLED.

FLORIDA ENGINEERING LLC

4161 TAMiami TRAIL, UNIT 101

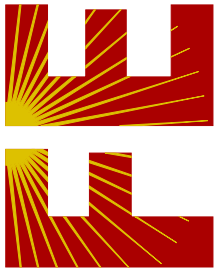
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DESIGN DATE: 12/05/2025

REVISION 1: DATE

REVISION 2: DATE

SCALE: NTS

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