DOOR GENERAL NOTES:

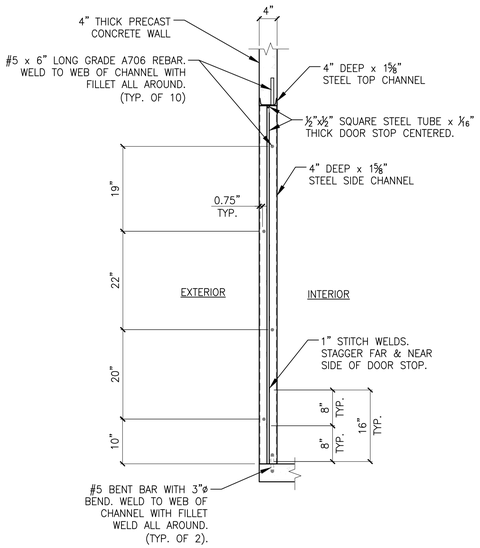
1) THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE 8TH EDITION (2023) FLORIDA BUILDING CODE (FBC) & ASCE 7-22 STRUCTURAL REQUIREMENTS, EXCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ).

2) PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS.

3) WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION THIS PRODUCT COMPLIES WITH FBC SECTION 1609.1.2 AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING. THIS PRODUCT MEETS FBC SECTION 1609.1.2.2 & INCLUDES WIND ZONE 3.

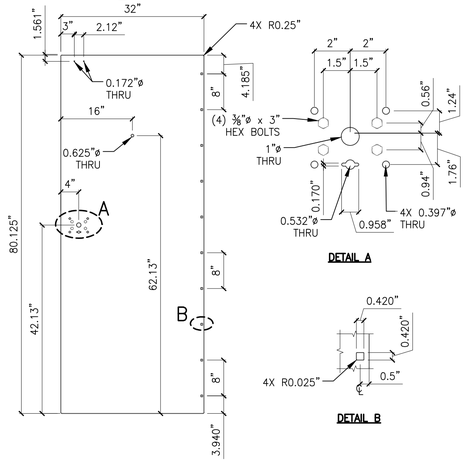
4) SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING ANALYSIS BY A. LICENSED ENGINEER OR REGISTERED ARCHITECT.

OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF) 1.0W	
	POSITIVE	NEGATIVE
40.75" x 84.50"	+78.5	−78.5
Vut: 170 mph – Risk Category II		



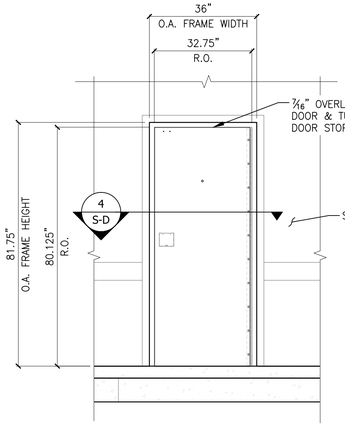
2 S-D LEFT FRAME DETAIL

Scale: 3/4" = 1'-0" (24x36)



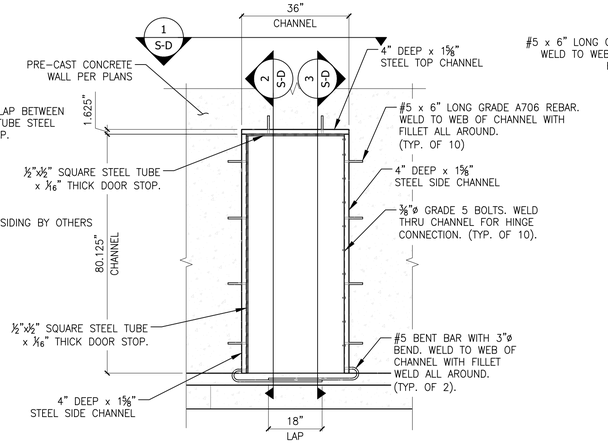
1 ITEM DETAIL

Scale: N.T.S.



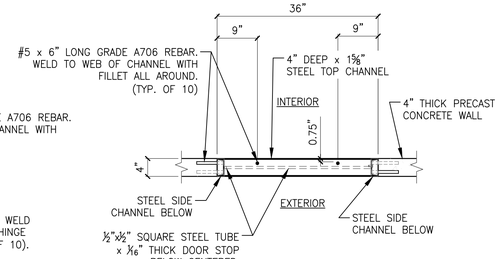
FINISH DOOR ELEVATION

Scale: 1/2" = 1'-0" (24x36)



PRE-FABRICATED DOOR FRAME ELEVATION

Scale: 1/2" = 1'-0" (24x36)



DOOR FRAME NOTES:

1. ALL FRAME CHANNELS TO BE 4" DEPTH x 1⅝" FLANGE x 7/16" WEB THICKNESS.
2. SIDE CHANNELS TO BE WELDED TO BOTTOM OF TOP CHANNEL WITH FILLET WELD ALL AROUND.
3. WET CAST DOOR FRAME INTO CONCRETE WALL

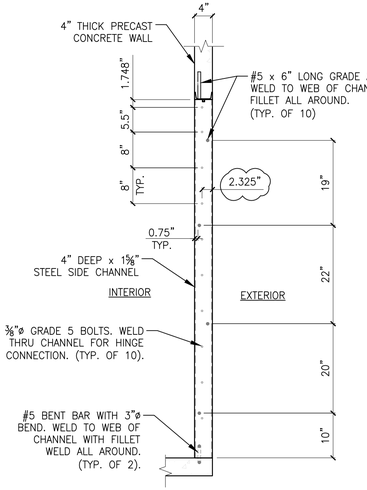
1 S-D TOP FRAME DETAIL

Scale: 3/4" = 1'-0" (24x36)

DOOR MOUNT MATERIALS			
ITEM #	QUANTITY	DESCRIPTION	MATERIAL
1	1	0.3125" THICK HOT ROLLED STEEL DOOR PANEL	STEEL
2	1	14 GA (0.075") THICK STAINLESS STEEL HINGE LEAF ATTACHED TO STEEL DOOR FRAME.	STEEL
3	1	14 GA (0.075") THICK STAINLESS STEEL HINGE LEAF ATTACHED TO STEEL DOOR PANEL.	STEEL
4	1	1" THICK DEADBOLT STRIKE PLATE WITH YELLOW CHROMATE FINISH	STEEL
5	1	0.25" THICK STEEL DEADBOLT STRIKE PLATE BETWEEN ANGLE & 1" THICK DEADBOLT PLATE	STEEL
6	1	0.25" THICK COLD ROLLED STEEL STRIKER MOUNT ANGLE WITH YELLOW CHROMATE FINISH	STEEL
7	1	ARROW LOCK & DOOR HARDWARE "D-SERIES" DEADBOLT	STEEL
8	1	7 GA (0.180" THICK) 300 STAINLESS STEEL DOOR HANDLE/COVER	STEEL

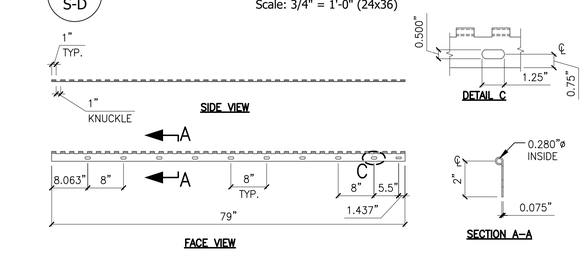
NOTES:

1. SEE DETAILS, THIS DRAWING FOR STEEL DOOR FRAME CONSTRUCTION; MATERIALS; & SIZES.
2. SEE ITEM DETAILS, THIS DRAWING FOR DOOR MOUNT PART DIMENSIONS & DETAILS.



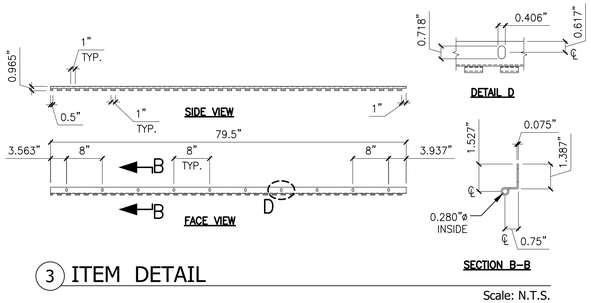
3 S-D RIGHT FRAME DETAIL

Scale: 3/4" = 1'-0" (24x36)



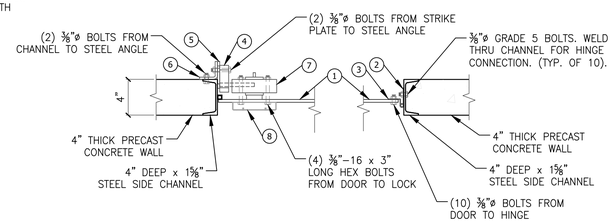
2 ITEM DETAIL

Scale: N.T.S.



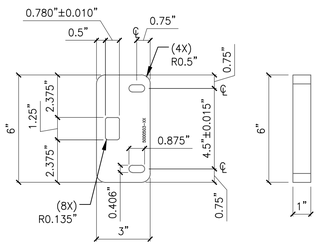
3 ITEM DETAIL

Scale: N.T.S.



4 S-D DOOR MOUNT DETAIL

Scale: 1-1/2" = 1'-0" (24x36)



4 ITEM DETAIL

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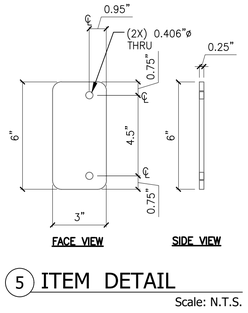
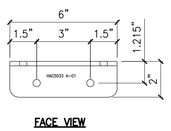
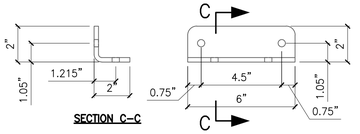


5 ITEM DETAIL

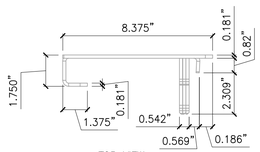
Scale: N.T.S.

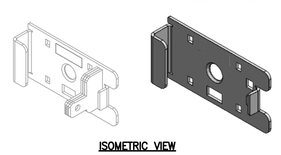


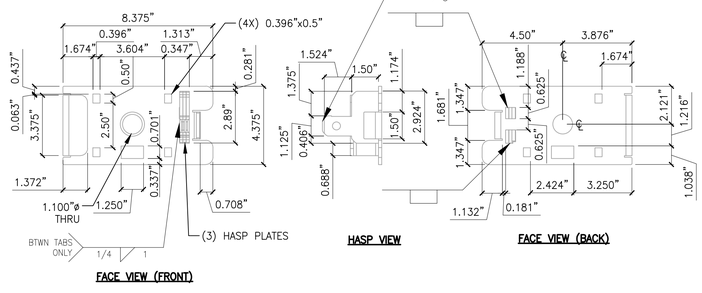


6 ITEM DETAIL

Scale: N.T.S.







8 ITEM DETAIL

Scale: N.T.S.

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WATER VENDING MACHINE

SHEET
DOOR ELEVATIONS & DETAILS

DATE: OCT 2020
DRAWN: MC
CHECKED: CH
REVISIONS: SEE SCHEDULE ON SHEET S0
PROJECT NUMBER: 13-247-01
SHEET NUMBER: S-D
OF 6 SHEETS

5000 SERIES PROTOTYPE

S:\Proj\2013\247-01 (Watermill Express -2013 Prototype Design\Structural Calculations\Florida_FBC 2017) 2020 & 2022 Supmts\Door Check\Door-5000 FBC 2023_NTA Florida Review.dwg (S-D - Fri 25 2025 04:26:21 pm PLOTTED BY: hansen