

# BENCHMARKMF

118 INDUSTRIAL DRIVE  
EDGERTON, OHIO 43517  
PH. (419) 298-1740

## "HOLLOW METAL FRAME ANCHORING"

### GENERAL NOTES

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE EXCLUDING THE "HIGH VELOCITY HURRICANE ZONE".
2. SEPARATE PRODUCT APPROVALS FOR EACH THERMA-TRU DOOR PRODUCT USED WITH THIS ANCHORING APPROVAL MUST BE SUBMITTED WITH THIS PRODUCT APPROVAL. CONSTRUCTION OF THE ASSEMBLY MUST BE IN ACCORDANCE WITH THE CONSTRUCTION OF THE COMPANION DOOR PRODUCT APPROVAL SUBMITTED.
3. THE DESIGN PRESSURE RATING OF THE TOTAL ASSEMBLY SHALL BE THE LESSER OF THE DP RATING OF THE FRAME ANCHORING SHOWN IN THIS APPROVAL OR THE DP RATING OF THE PRODUCT APPROVAL FOR THE DOOR PRODUCT USED.
4. MAIN MEMBER (BUCK OR STUD) FRAMING IS SPRUCE-PINE-FIR (SG = 0.42) OR BETTER.
5. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. THIS FRAME ANCHORING APPROVAL ADDRESSES TRANSFER OF WIND LOADS TO THE MAIN STRUCTURE. THE COMPANION DOOR PRODUCT APPROVAL SUBMITTED MUST BE APPROVED IN THE SAME OR SMALLER SIZE, SAME CONFIGURATION AND FRAME MATERIAL.
7. CONDITIONS NOT COVERED BY THIS DRAWING ARE SUBJECT TO FURTHER ENGINEERING ANALYSIS.

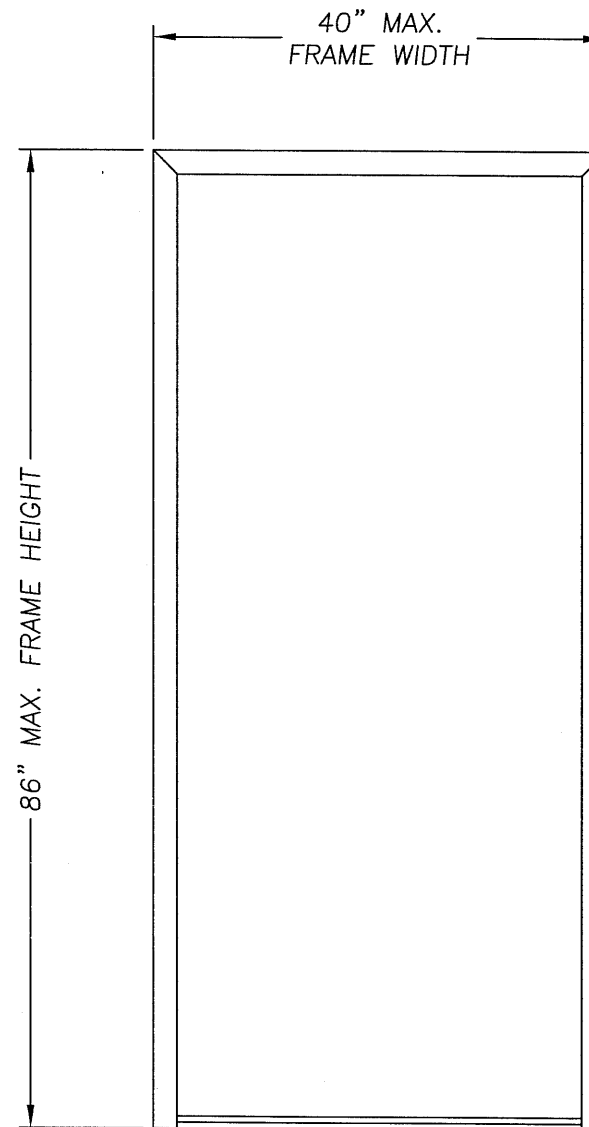


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UNIT TYPE	MAXIMUM OVERALL NOMINAL SIZE	DESIGN PRESSURE	
		POSITIVE	NEGATIVE
HOLLOW FRAME	40.00" x 86.00"	+45.0 PSF	-45.0 PSF

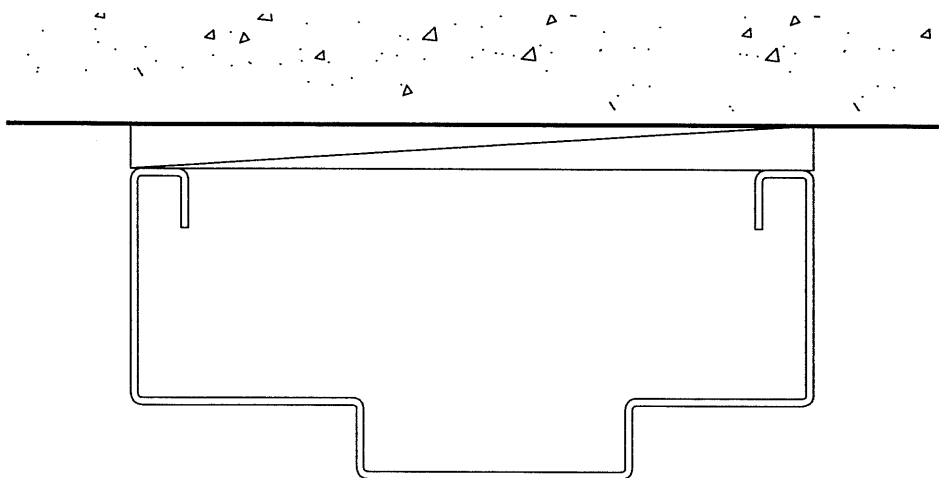
Documents Prepared By: **RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL 33595  
Phone No.: 813.659.9197  
Florida Board of Professional Engineers  
Certificate Of Authorization No. 9813  
*Wendell W. Haney*  
Wendell W. Haney, P.E. No. 54158

PRODUCT: BENCHMARKMF  
HOLLOW METAL FRAME  
SYSTEM ANCHORING  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

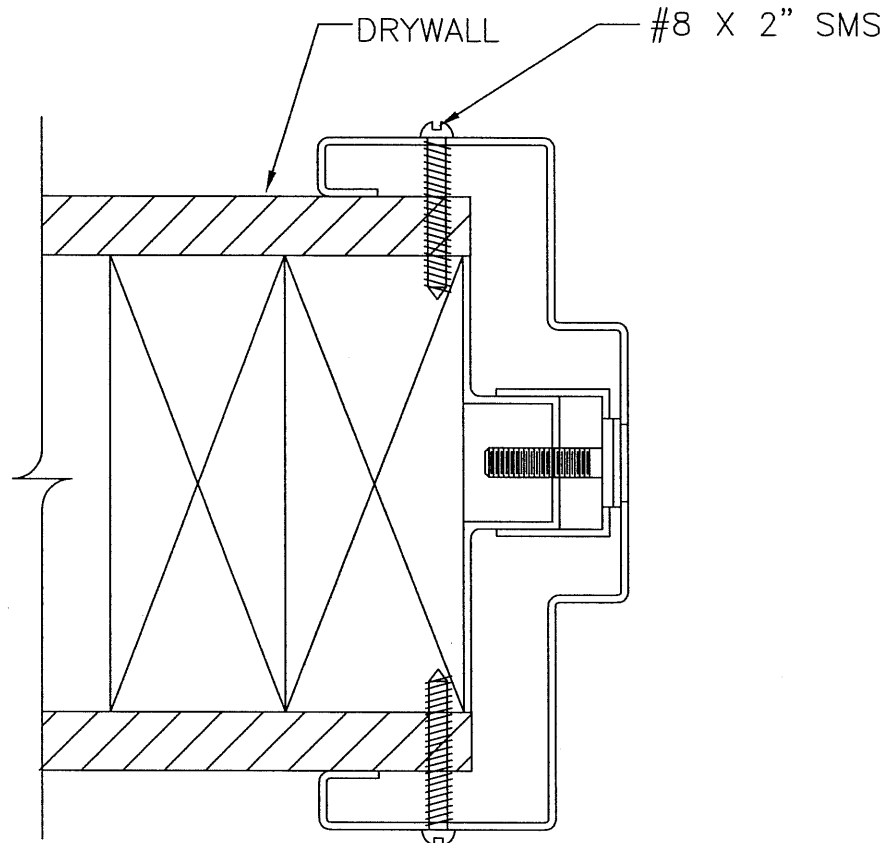
DATE: 09/22/05  
SCALE: N.T.S.  
DWG. BY: AEM  
CHK. BY: WWH  
DRAWING NO.: FL-638  
SHEET 1 OF 4

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WOOD OR  
MASONRY  
SUBSTRATE  
(TYPICAL)

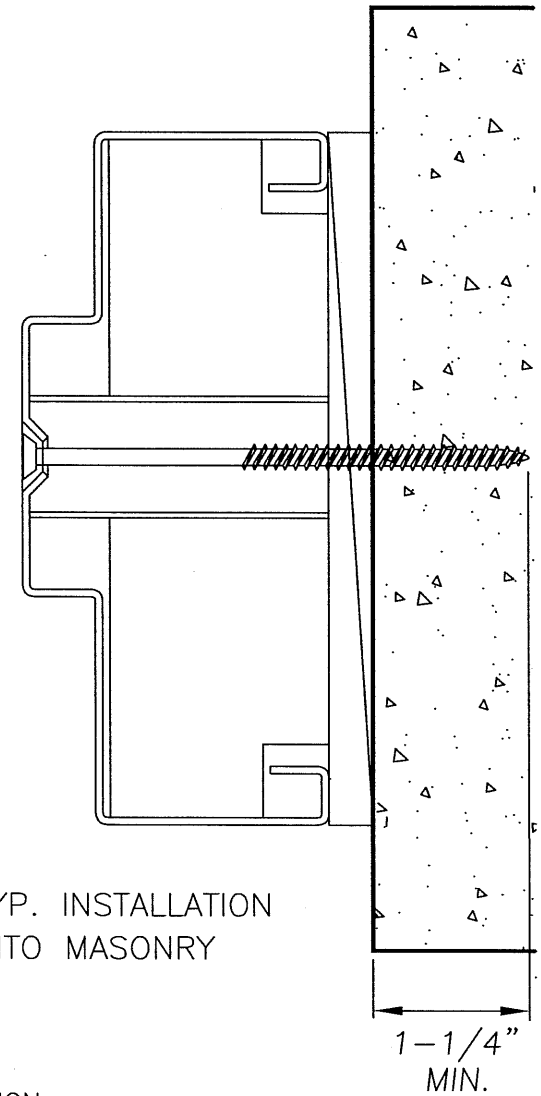
VERTICAL CROSS SECTION



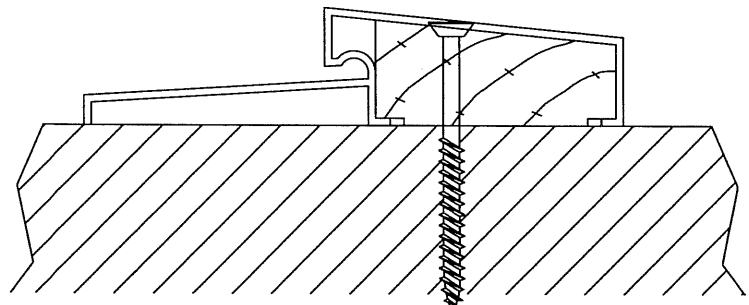
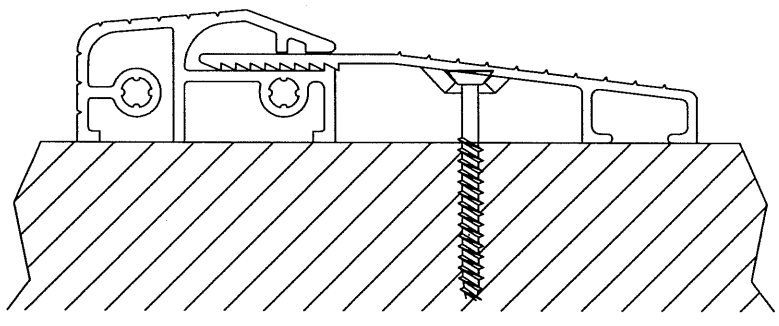
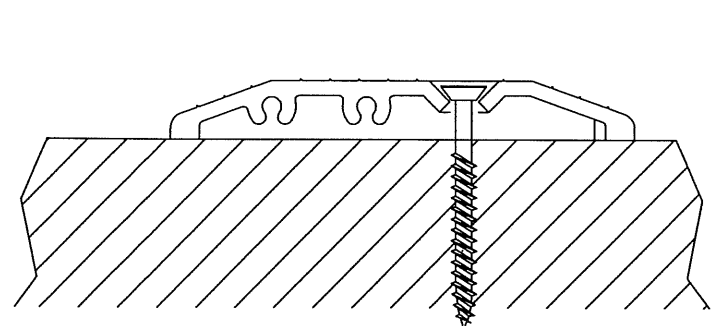
COMPRESSION ANCHOR  
(STUD WALL APPLICATION)

HORIZONTAL CROSS SECTION

TYP. INSTALLATION  
INTO MASONRY



1-1/4"  
MIN.



OPTIONAL THRESHOLDS

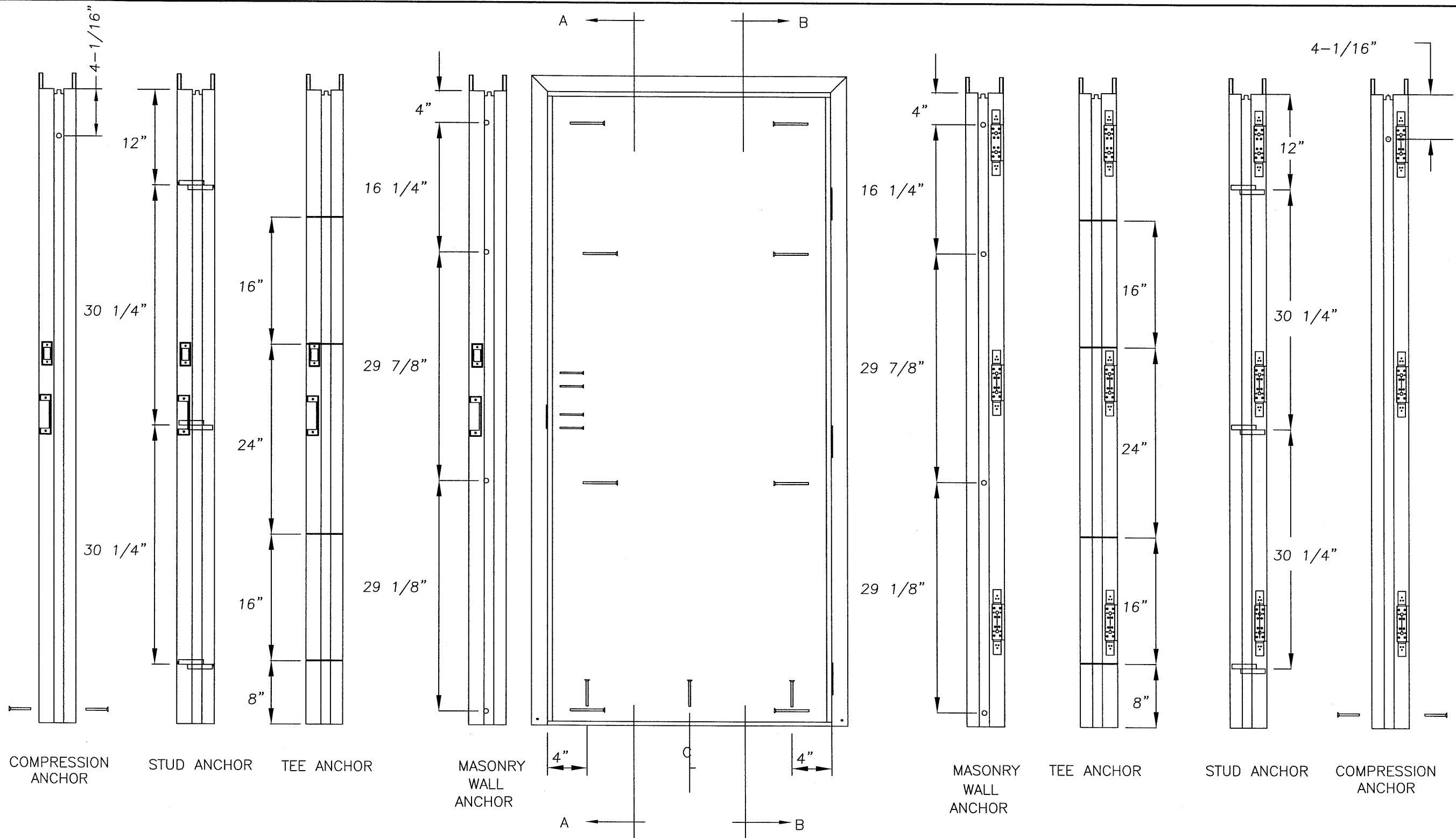
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*Wendell W. Harper* 9/23/05  
 Wendell W. Harper, P.E. (No. 54158)

PRODUCT:  
 BENCHMARKMF  
 HOLLOW METAL FRAME  
 SYSTEM ANCHORING  
 PART OR ASSEMBLY:  
 CROSS SECTIONS

NO.	DATE	BY	REVISIONS

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 SHEET 2 OF 4

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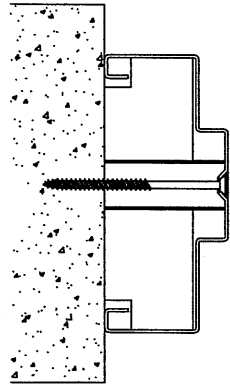
COMPRESSION ANCHOR    STUD ANCHOR    TEE ANCHOR    MASONRY WALL ANCHOR    MASONRY WALL ANCHOR    TEE ANCHOR    STUD ANCHOR    COMPRESSION ANCHOR

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*Wendell W. Haney*  
 Wendell W. Haney, P.E. No. 54156

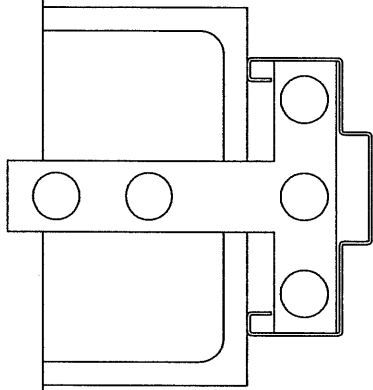
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 HOLLOW METAL FRAME  
 SYSTEM ANCHORING  
 PART OR ASSEMBLY: ANCHOR LAYOUT

NO.	DATE	BY	REVISIONS

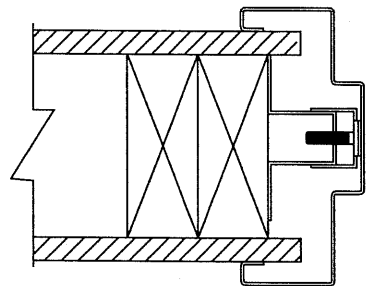
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 CHK. BY: WWH  
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 SHEET 3 OF 4



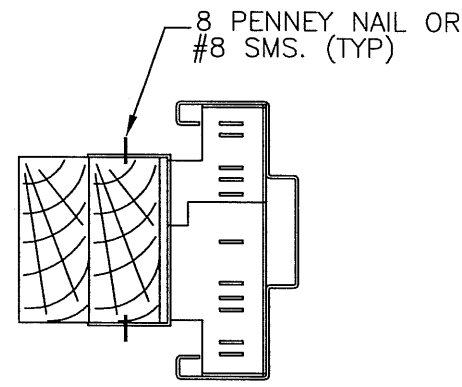
MASONRY WALL ANCHOR



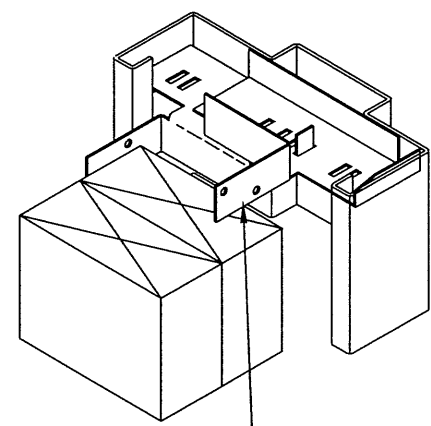
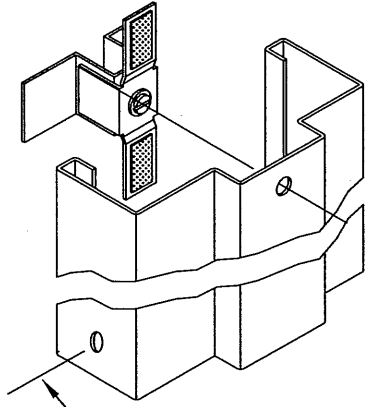
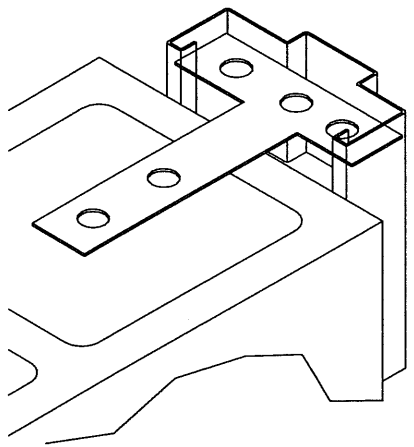
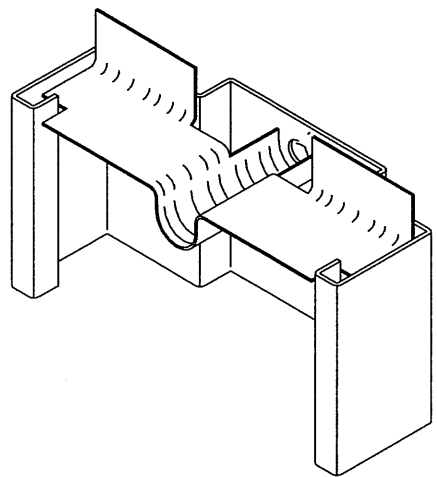
MASONRY TEE ANCHOR



COMPRESSION ANCHOR



METAL STUD ANCHOR



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PRODUCT:  
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HOLLOW METAL FRAME  
SYSTEM ANCHORING

PART OR ASSEMBLY:  
ANCHOR OPTIONS

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