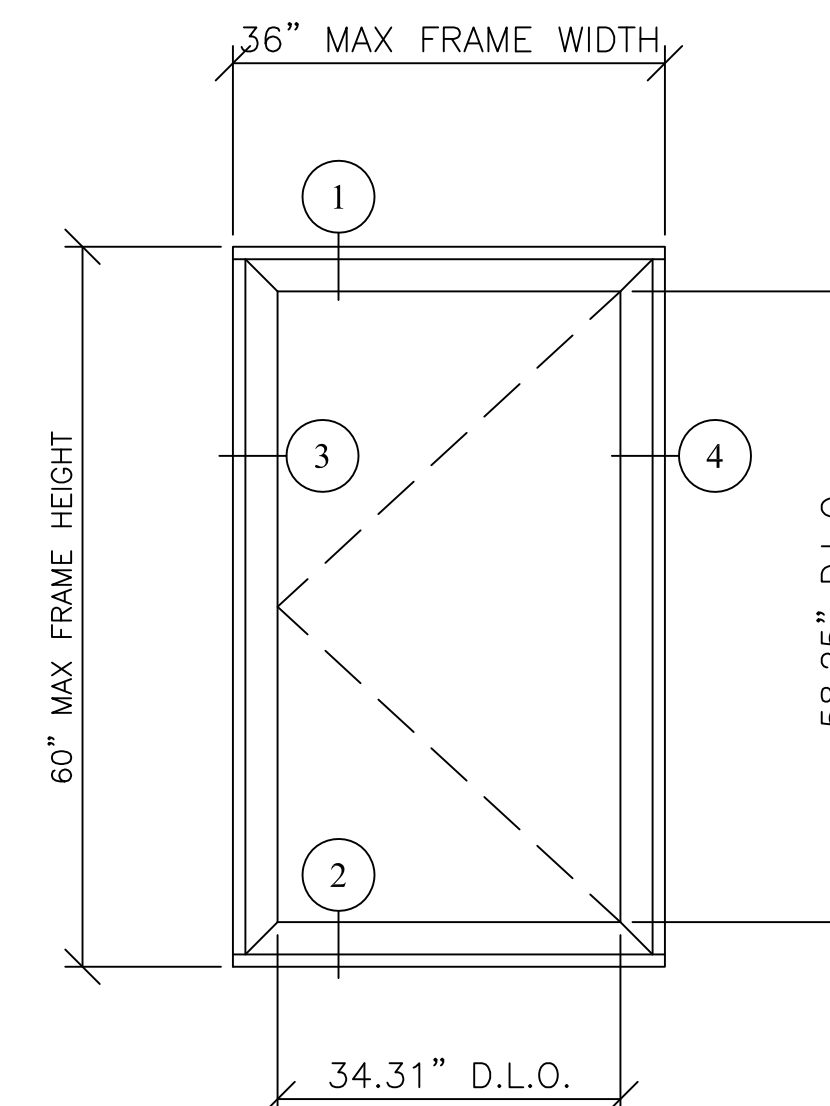


GENERAL NOTES

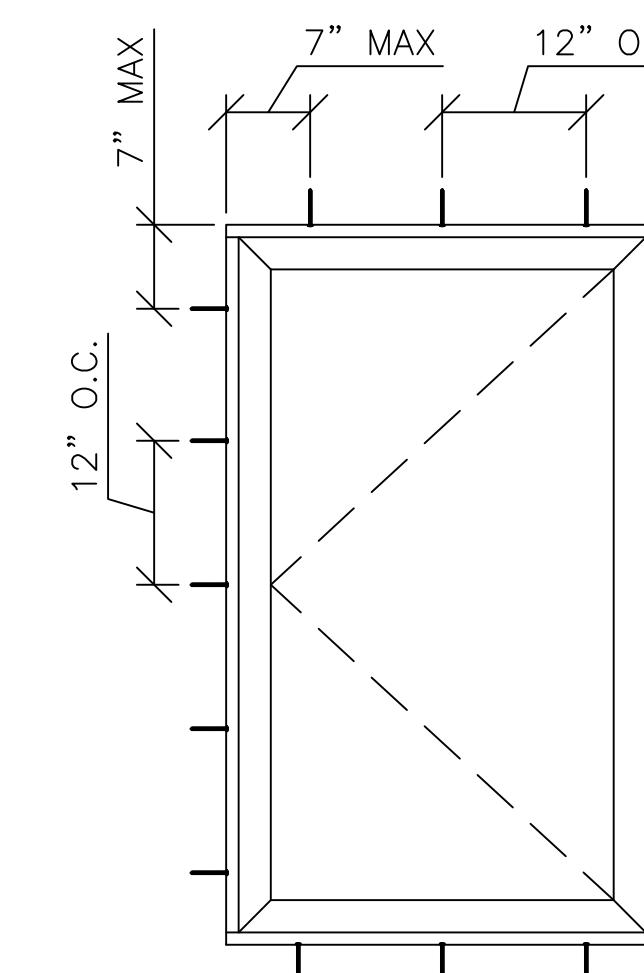
1. THE PRODUCT SHOWN HERIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) EXCLUDING HVHZ.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HERIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
7. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 X: OPERABLE PANEL
 O: FIXED PANEL

INSTALLATION NOTES:

1. ONE INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR THE PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF +/-1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION INTO STEEL STUD FRAMING USE #10 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS OF MINIMUM ENGAGEMENT BEYOND STEEL STUD SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICKVENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE OF SHELL OF BLOCK.
11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HERIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. STEEL - MINIMUM TENSILE YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 49 MILS. (18 GAUGE)



EXTERIOR ELEVATION



ANCHOR LAYOUT

TEST REQUIREMENTS

DESIGN PRESSURE	+/- 95 PSF
TEST TYPE	STRUCTURAL

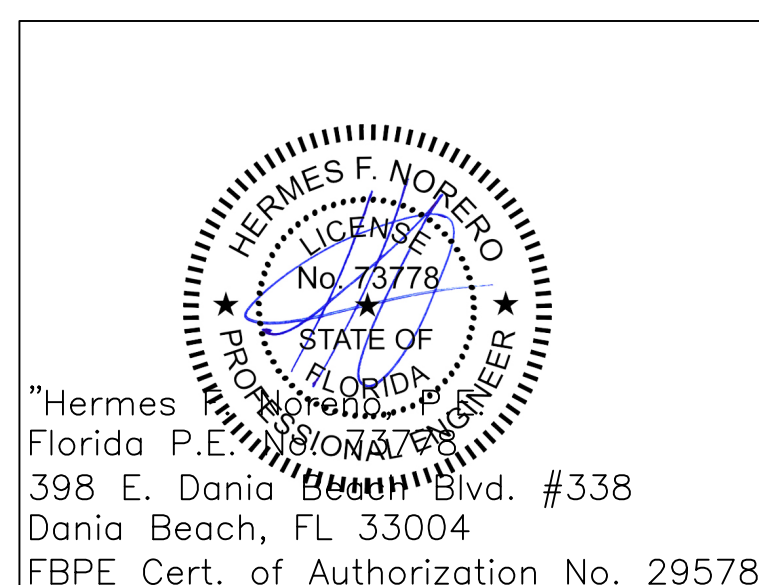
CORNER CONSTRUCTION

BUTT, SECURED WITH TWO (2) #8 X 1" PHILLIPS PAN HEAD CAD PLATED TYPE "A" SCREWS AND SEALED WITH SCHNEE-MOREHEAD 5504 SEALANT

GENERAL NOTES

SERIES	E2500/E3250/E4000 CASEMENT OUT (1 LITE)
FINISH	ANY
PANELS	NONE
SCREENS	NONE
GLAZING	INSULATED GLASS ANNEALED

NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY



1293 HARVEY MITCHELL PKWY. BRYAN, TX 77803
 PHONE: (979) 823-6557 FAX: (979) 823-1005

MEMO NO. 8032-12

DESCRIPTION:
E2500/E3250/E4000 CASEMENT OUT ELEVATIONS

REVISIONS

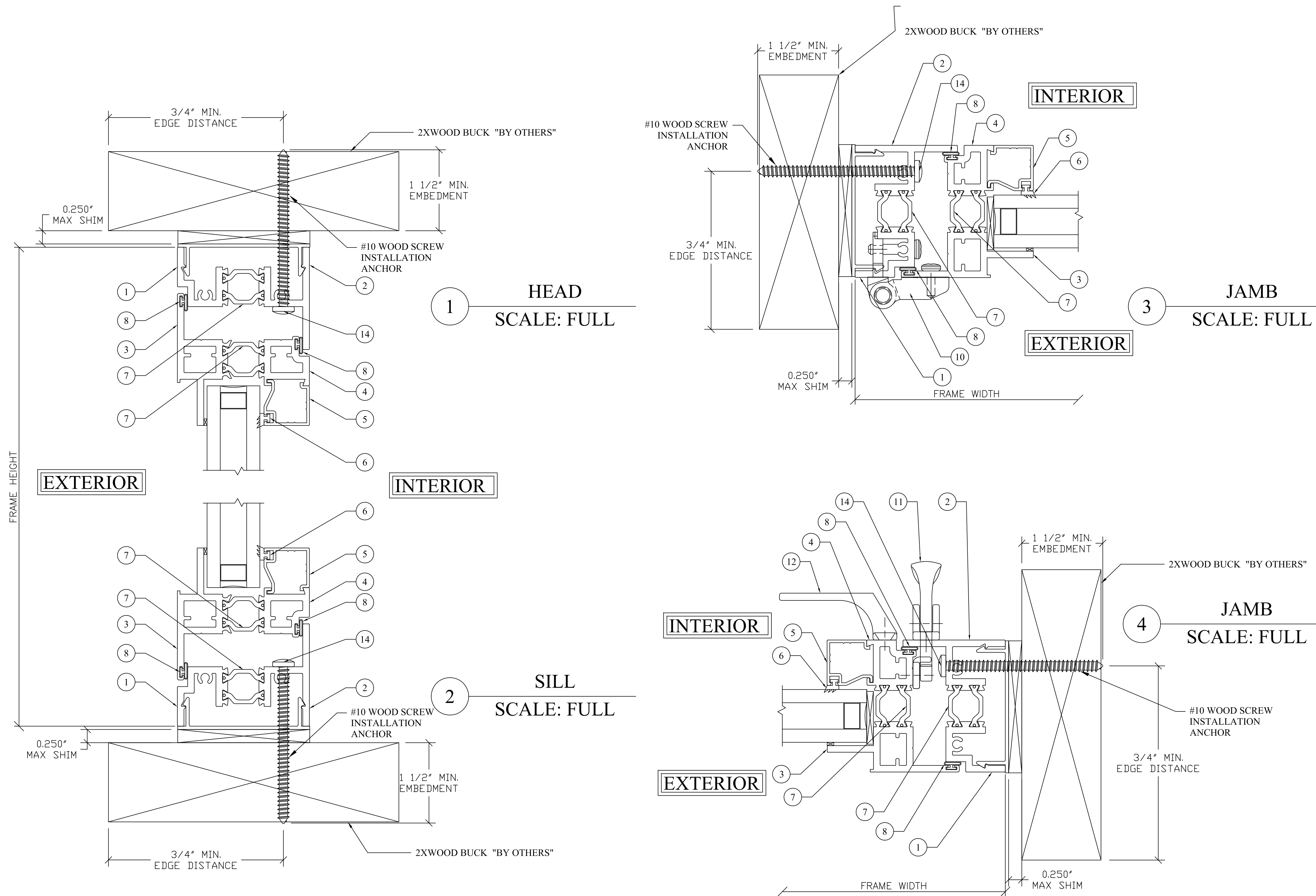
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B	ADDED E3250 AND E4000	5/6/14

SCALE DETAILS: FULL ELEV: 3/4" = 1"

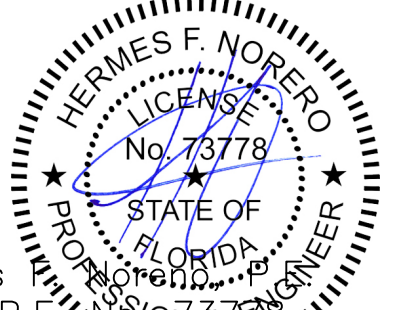
DRAWN BY: JKY

DATE DRAWN: 10/31/13

PAGE NO. **1** OF **7**



NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY


 "Hermes F. Norgero"
 Florida P.E.
 398 E. Dania Blvd. #338
 Dania Beach, FL 33004
 FBPE Cert. of Authorization No. 29578"

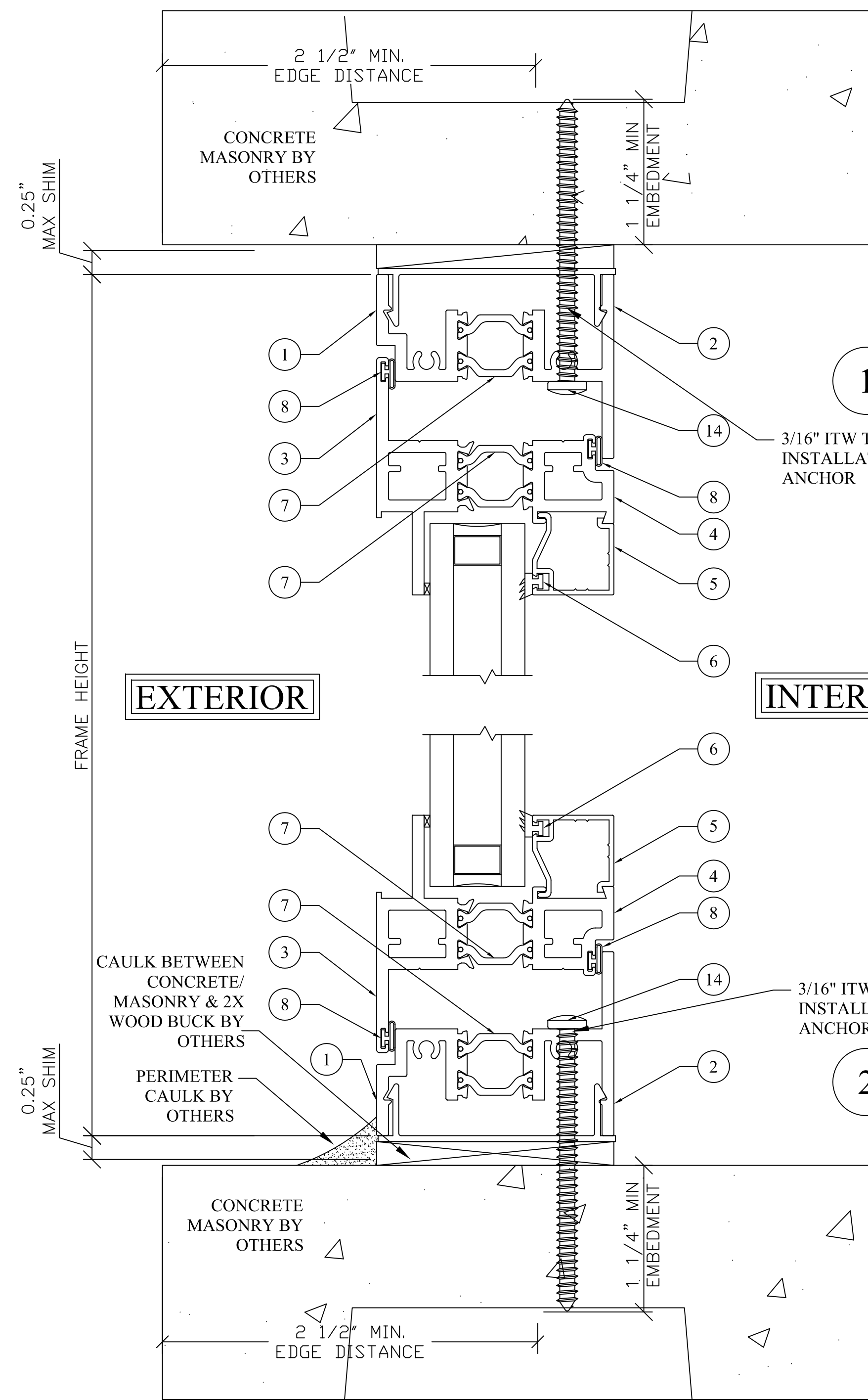

ALL SEASONS
COMMERCIAL WINDOWS & DOORS

1293 HARVEY MITCHELL PKWY. PHONE: (979) 823-6557
 BRYAN, TX 77803 FAX: (979) 823-1005

MEMO NO. 8032-12
 DESCRIPTION:
 E2500/E3250/E4000 CASEMENT OUT
 WOOD SUBSTRATE

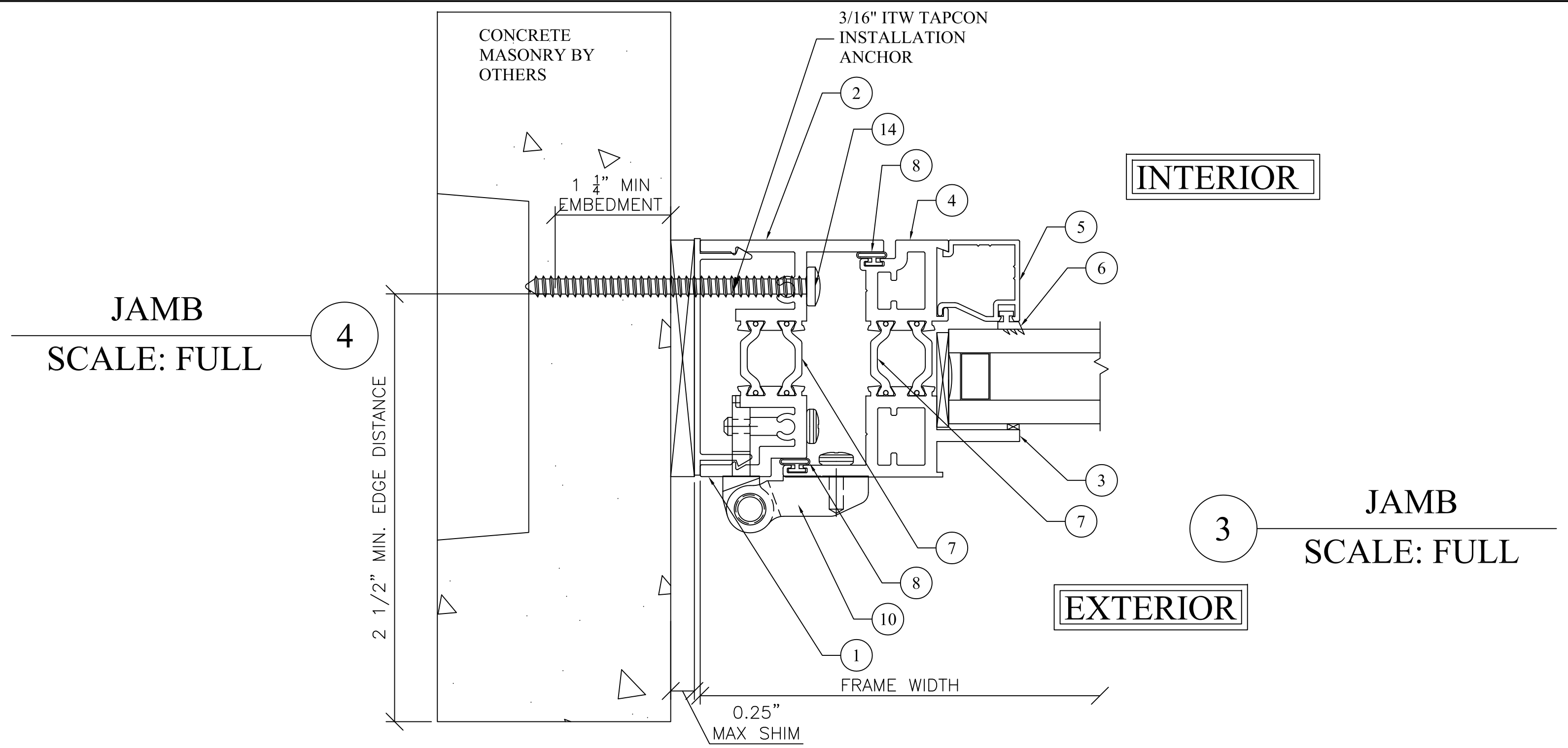
REVISIONS		
A	EDITED DETAILS TO 2010	2/13/14
B	ADDED E3250 AND E4000	5/6/14

SCALE DETAILS: FULL
 ELEV: 3/4" = 1"
 DRAWN BY: JKY
 DATE DRAWN: 10/31/13
 PAGE NO. **2** OF **7**



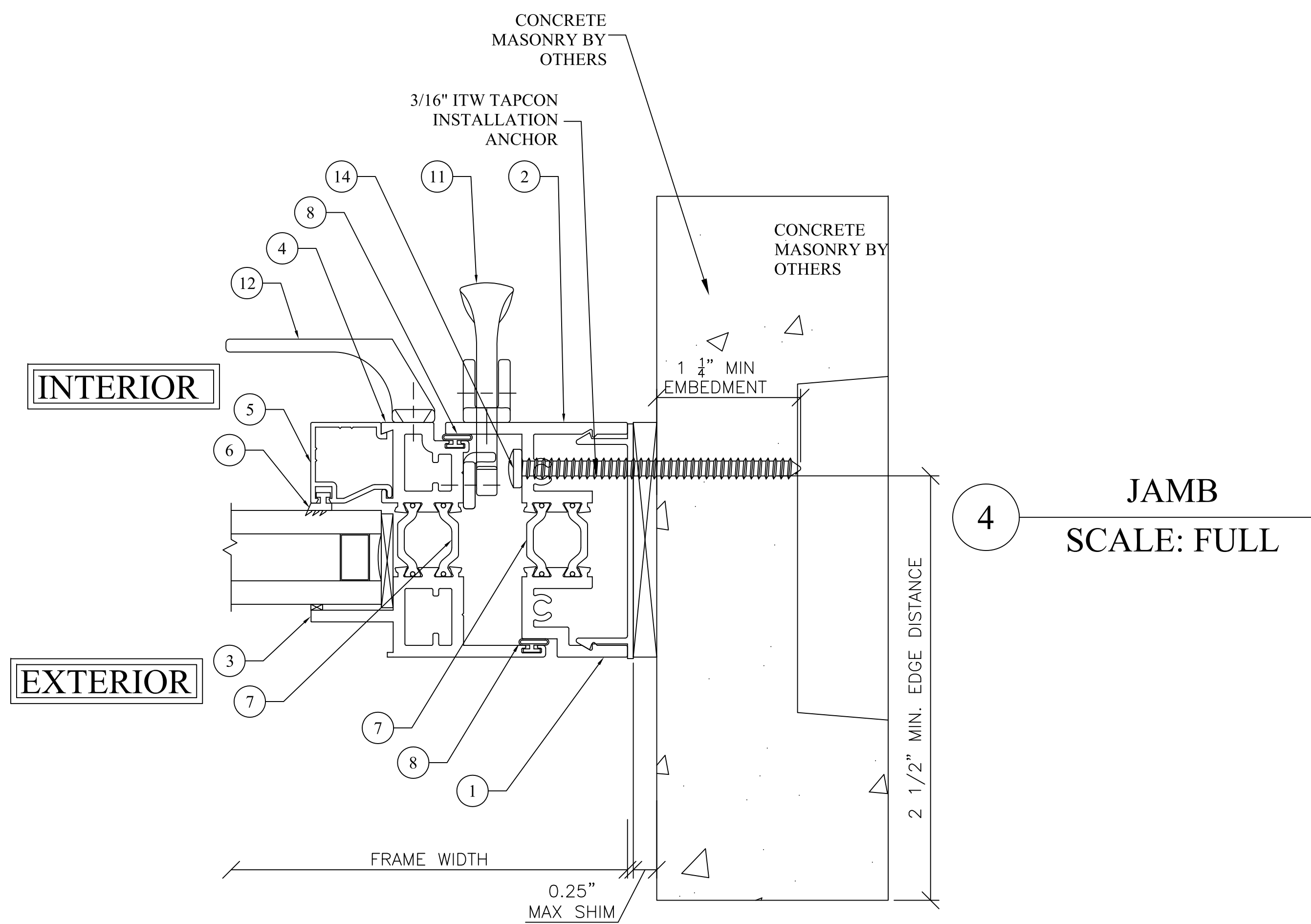
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2 SILL SCALE: FULL



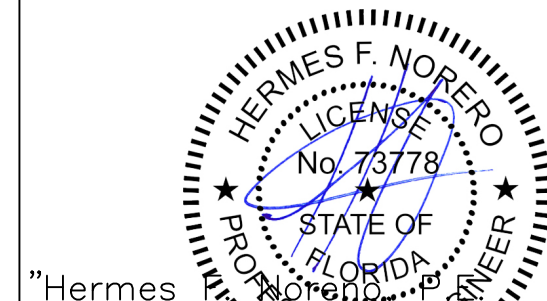
4 JAMB SCALE: FULL

3 JAMB SCALE: FULL



4 JAMB SCALE: FULL

NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY



Hermes F. Norgero
 Florida P.E.
 398 E. Dania Blvd. #338
 Dania Beach, FL 33004
 FBPE Cert. of Authorization No. 29578



1293 HARVEY MITCHELL PKWY. PHONE: (979) 823-6557
 BRYAN, TX 77803 FAX: (979) 823-1005

MEMO NO. 8032-12

DESCRIPTION:
 E2500/E3250/E4000 CASEMENT OUT
 BOM AND DIES

REVISIONS

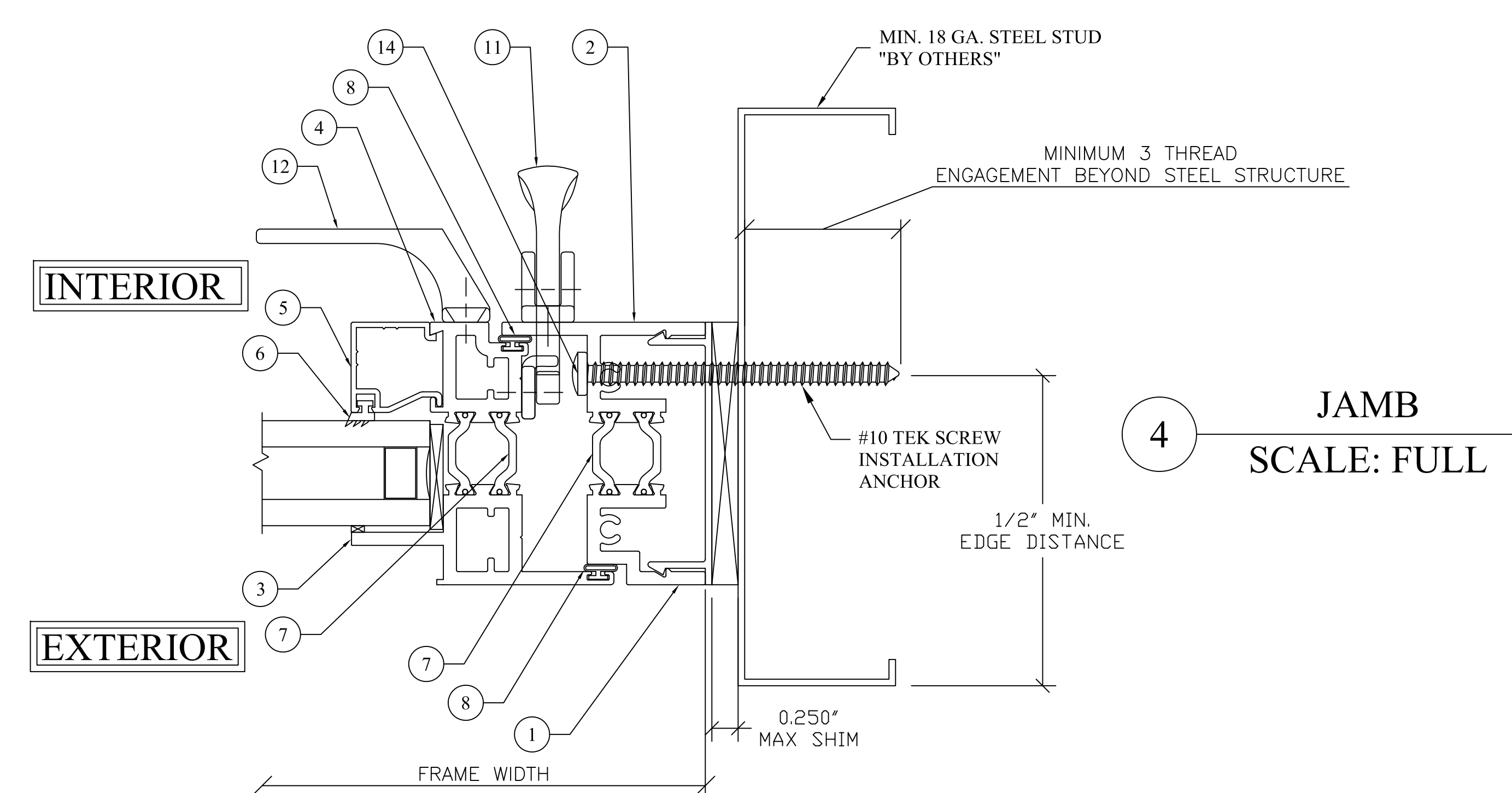
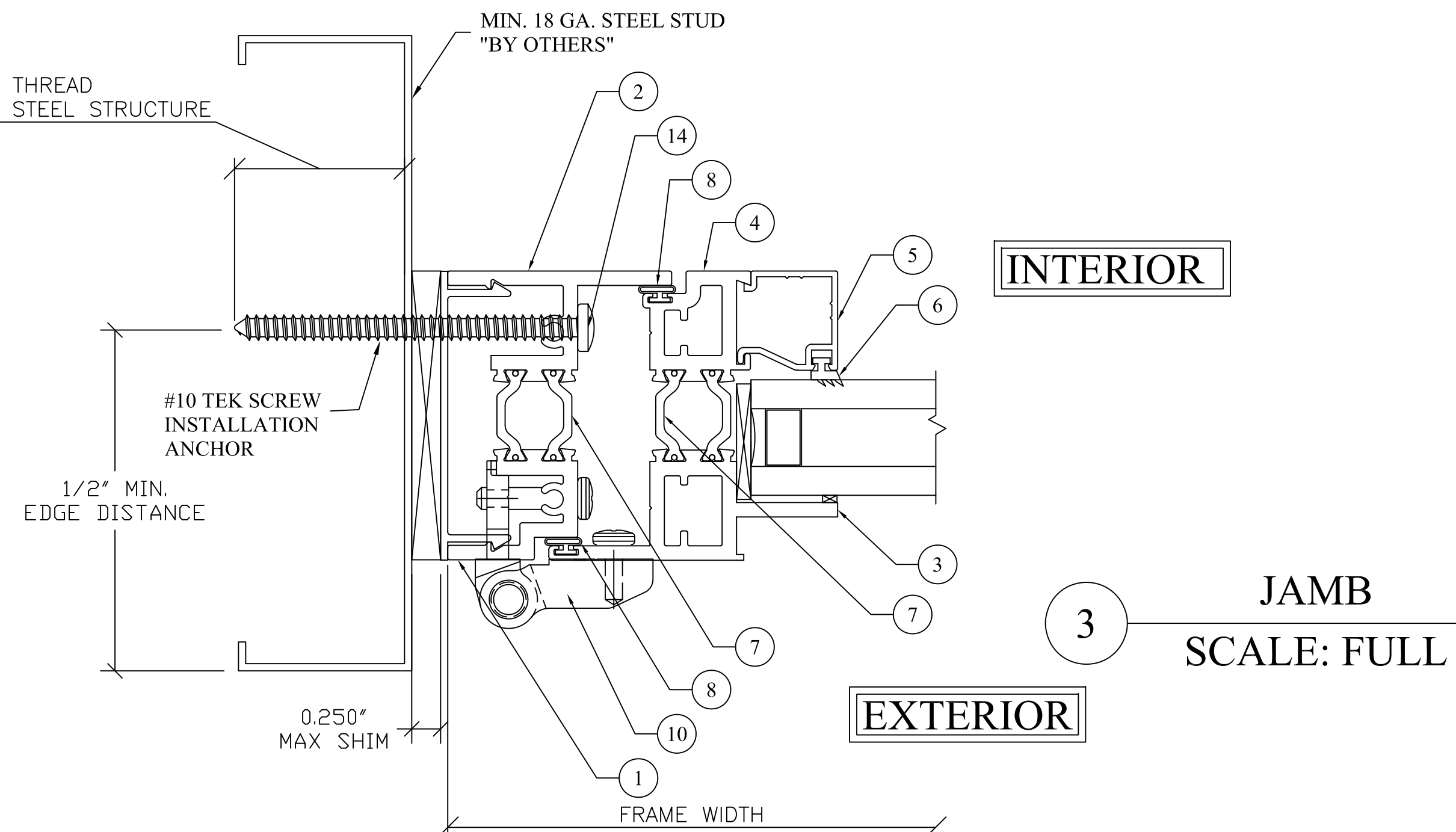
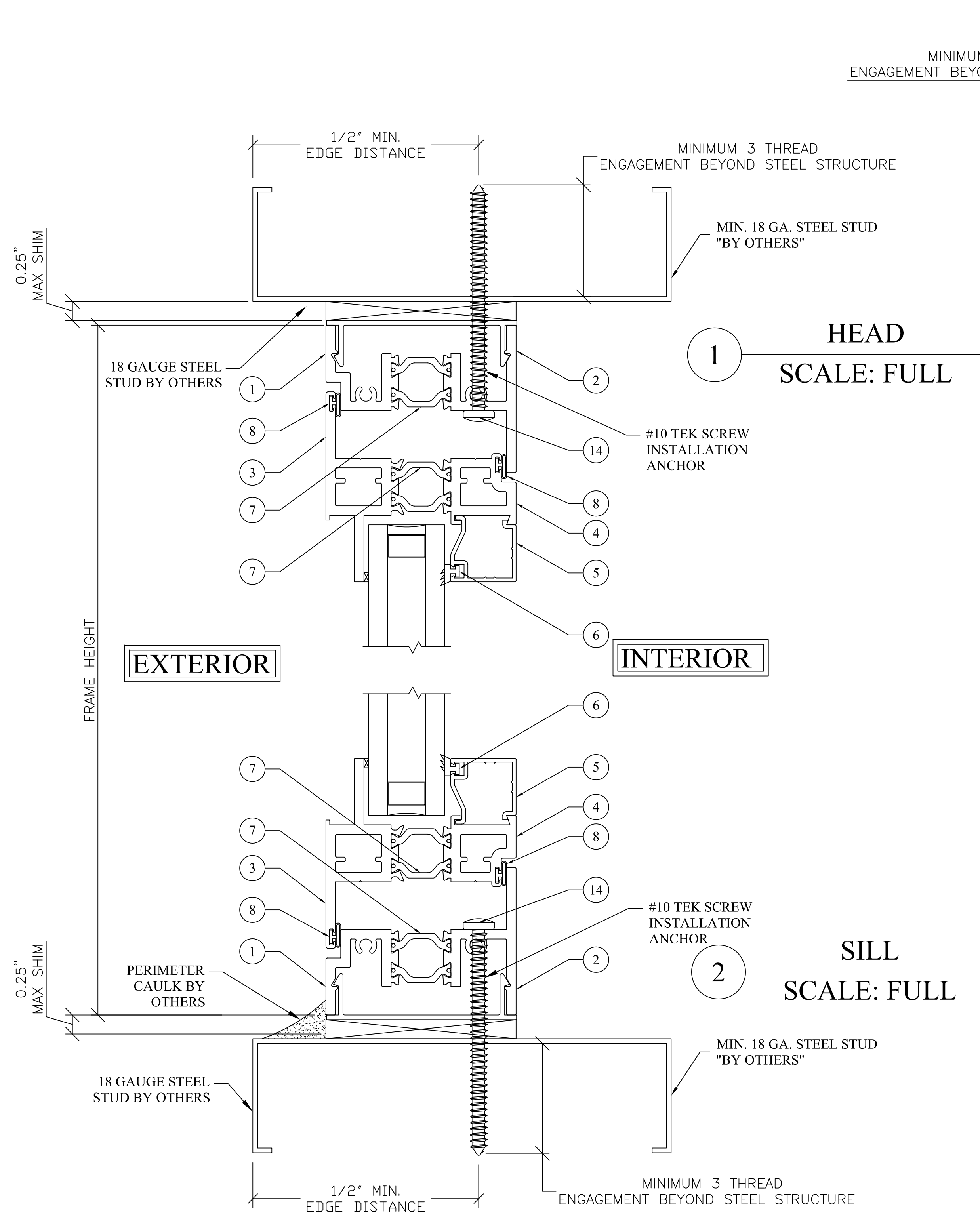
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B	ADDED E3250 AND E4000	

SCALE DETAILS: FULL
 ELEV: 3/4" = 1"

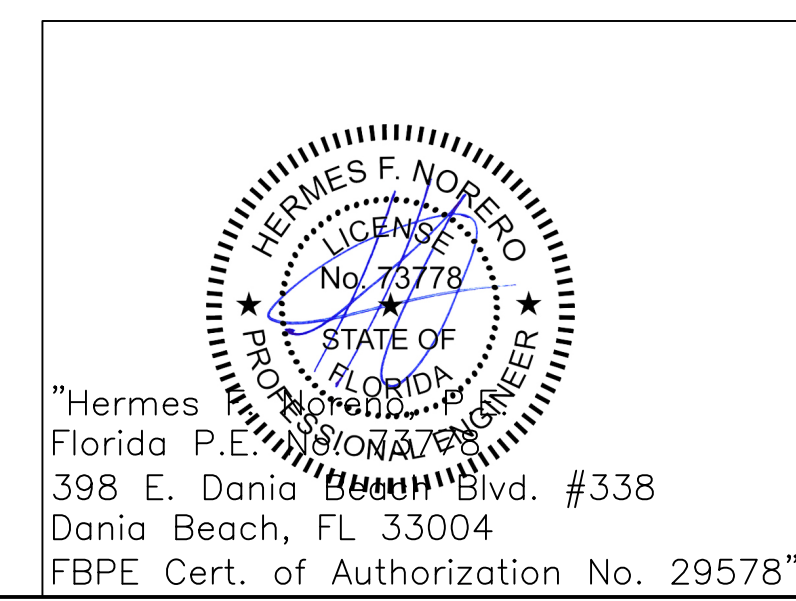
DRAWN BY: JKY

DATE DRAWN: 10/31/13

PAGE NO. 3 OF 7



NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY

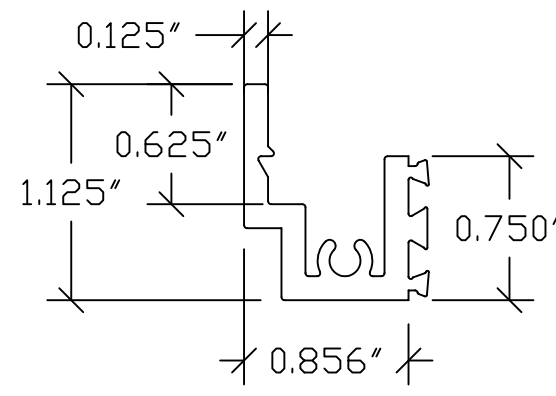


1293 HARVEY MITCHELL PKWY. BRYAN, TX 77803
 PHONE: (979) 823-6557 FAX: (979) 823-1005

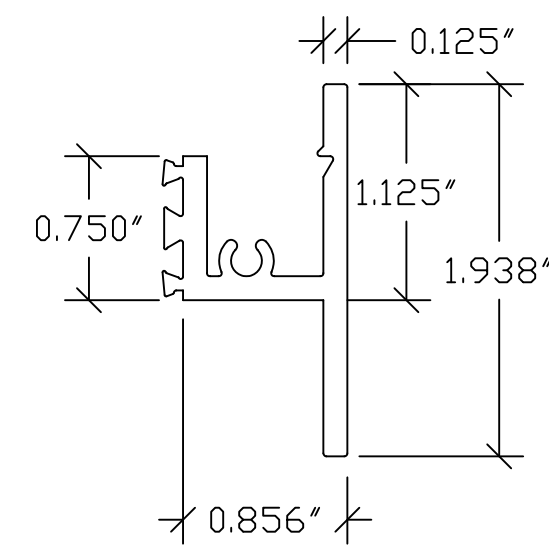
MEMO NO. 8032-12
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 E2500/E3250/E4000 CASEMENT OUT
 BOM AND DIES

REVISIONS		
A	EDITED DETAILS TO 2010	12/13/14
B	ADDED E3250 AND E4000	5/6/14

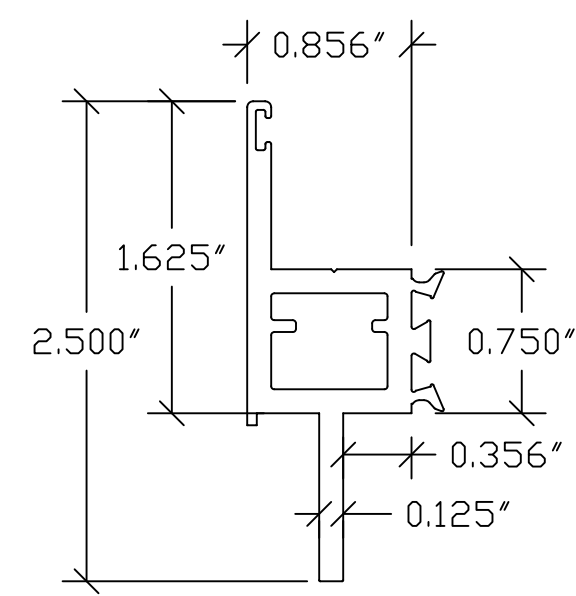
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 ELEV: 3/4" = 1"
 DRAWN BY: JKY
 DATE DRAWN: 10/31/13
 PAGE NO. 4 OF 7



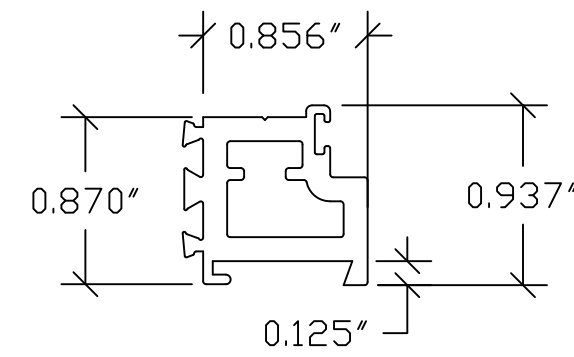
1 FRAME EXTERIOR



2 FRAME INTERIOR

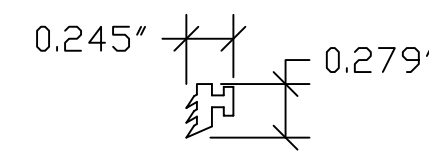


3 VENT EXTERIOR

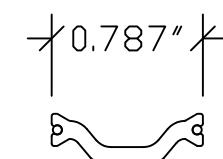


4 VENT INTERIOR

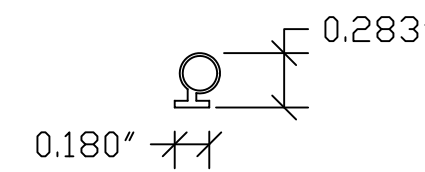
5 GLAZING BEAD



6 GLAZING VINYL



7 20mm STRUT

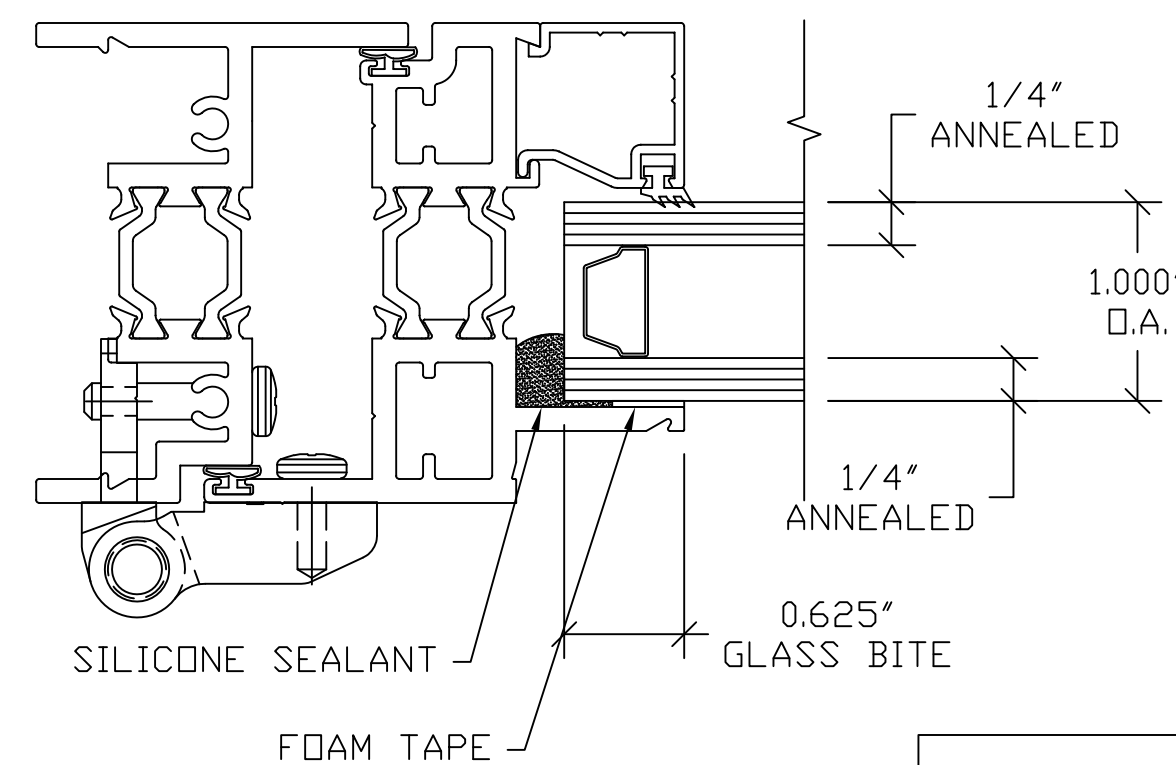


8 BULB VINYL



SHEAR CLIP
ALUMINUM 6063-T5

GLAZING DETAIL:



NOTE: "GLASS TYPE AND THICKNESS MAY VARY ACCORDING TO THE ASTM E1300-04 GLASS CHART REQUIREMENTS"

EXTRUSIONS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
1	10889	FRAME EXTERIOR	6063-T5 ALUMINUM
2	10885	FRAME INTERIOR	6063-T5 ALUMINUM
3	11886	VENT EXTERIOR	6063-T5 ALUMINUM
4	11883	VENT INTERIOR	6063-T5 ALUMINUM
5	11880	GLAZING BEAD	6063-T5 ALUMINUM
6	V-414	GLAZING VINYL	SOFT PVC
7	66108802	20mm THERMAL STRUT	ENSINGER
8	V-537	BULB VINYL	SOFT PVC

SEALS & SEALANTS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
9	----	SEAM SEALANT	SCHNEE MOREHEAD 2205

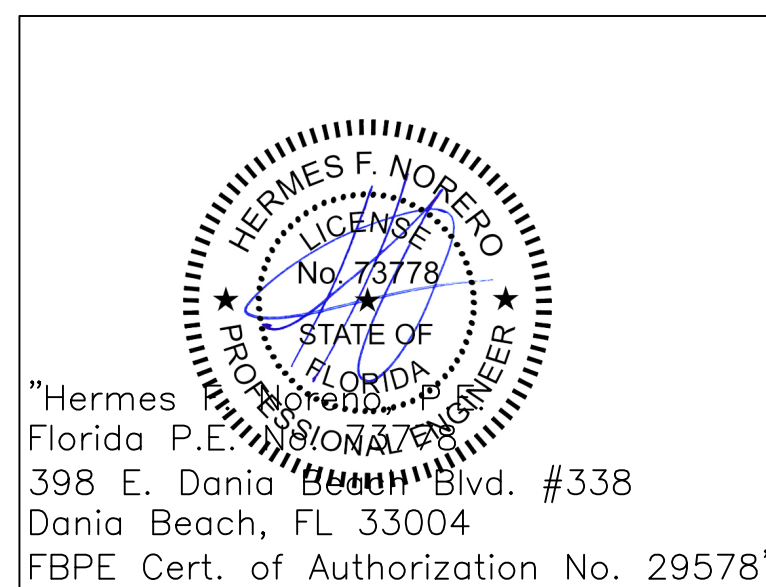
HARDWARE

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
10	66108841	BUTT HINGE	
11	66108861	BASE LOCK BAR	BRONZECRAFT
12	66107049	PULL HANDLE	BRONZECRAFT

MISC. FASTENERS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
13	66103392	#8 - 15 X 1" PH PN HD 'A' CAD SCREW	FRAME ASSEMBLY SCREW
14	----		INSTALLATION ANCHOR

NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY



1293 HARVEY MITCHELL PKWY. BRYAN, TX 77803
PHONE: (979) 823-6557 FAX: (979) 823-1005

MEMO NO. 8032-12

DESCRIPTION:
E2500 CASEMENT OUT
BOM AND DIES

REVISIONS

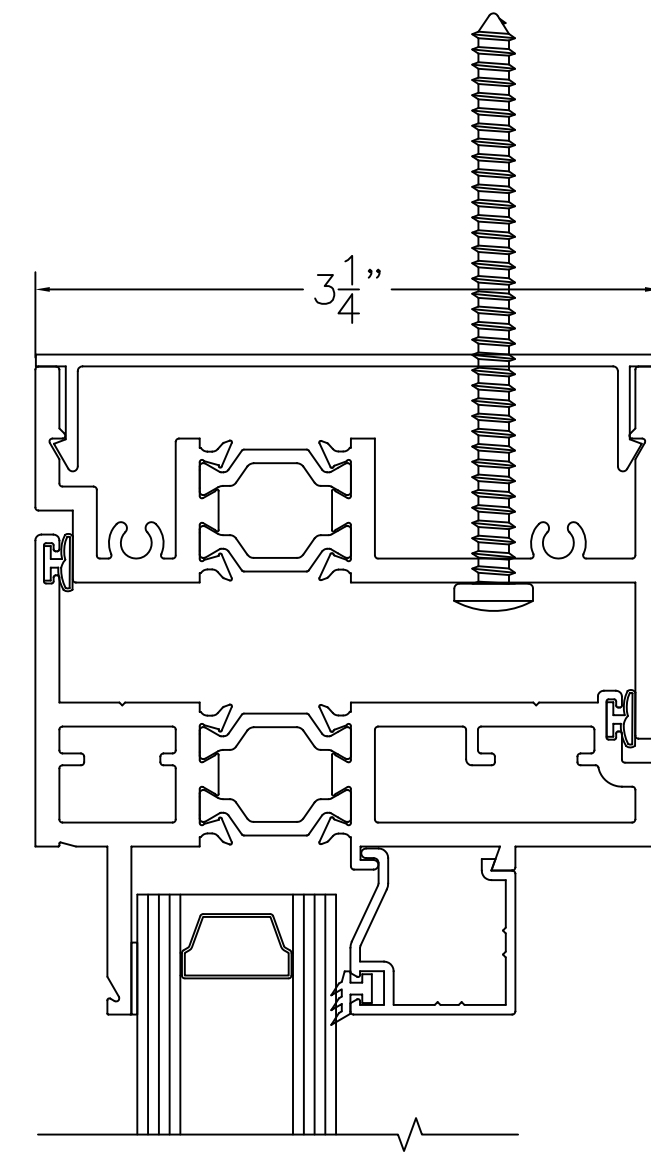
REVISION	DATE
A	2/13/14
B	

SCALE: FULL ELEV: 3/4" = 1"

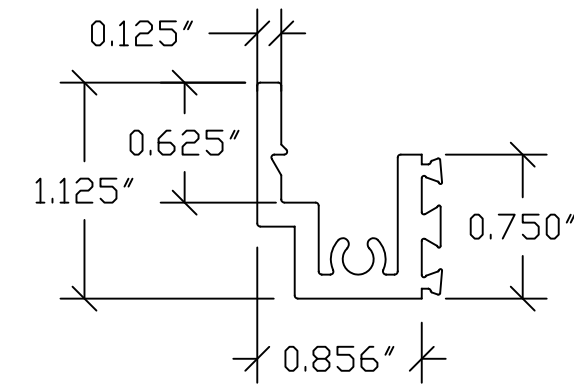
DRAWN BY: JKY

DATE DRAWN: 10/31/13

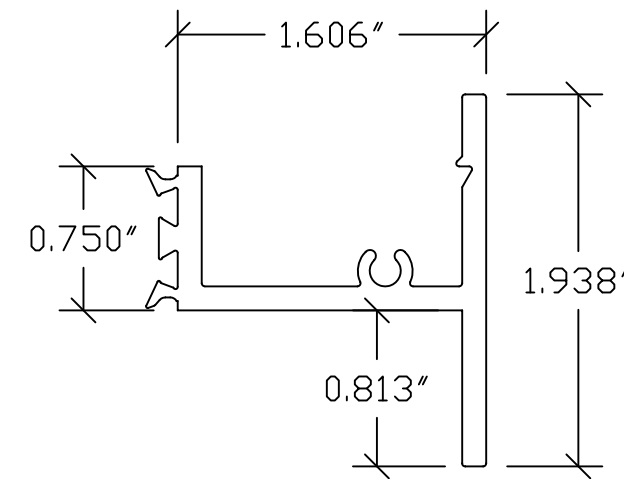
PAGE NO. 5 OF 7



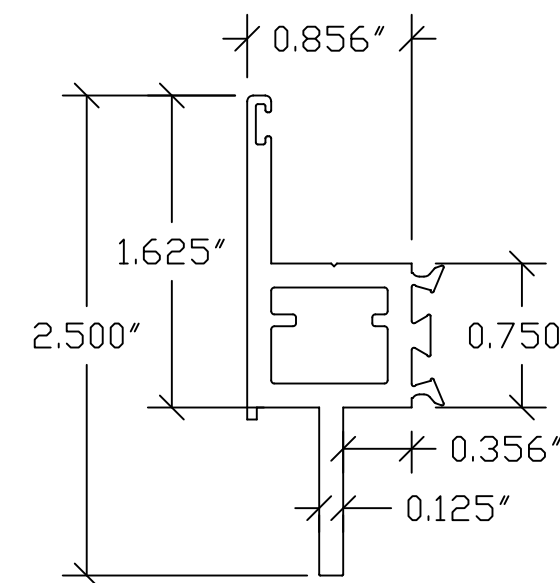
E3250 - 3 1/4" Frame window installation anchor placement shown. Reference previous pages for anchor type and spacing based on substrate installed into.



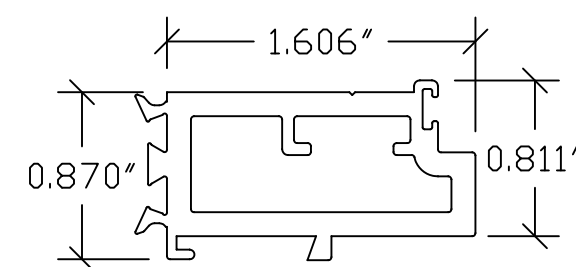
① FRAME EXTERIOR



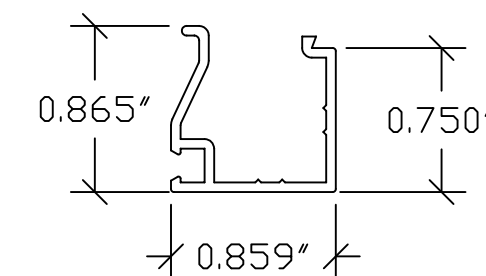
② FRAME INTERIOR



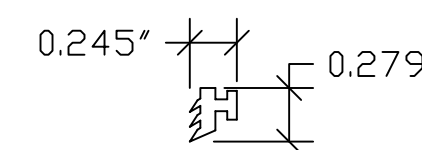
③ VENT EXTERIOR



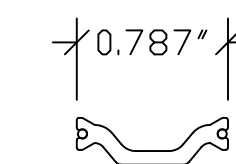
④ VENT INTERIOR



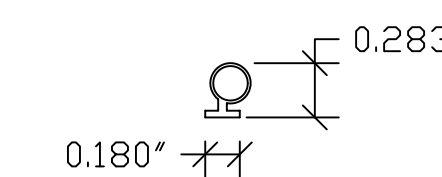
⑤ GLAZING BEAD



⑥ GLAZING VINYL



⑦ 20mm STRUT



⑧ BULB VINYL



⑮ SHEAR CLIP ALUMINUM 6063-T5

EXTRUSIONS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
1	10889	FRAME EXTERIOR	6063-T5 ALUMINUM
2	12058	FRAME INTERIOR	6063-T5 ALUMINUM
3	11886	VENT EXTERIOR	6063-T5 ALUMINUM
4	12060	VENT INTERIOR	6063-T5 ALUMINUM
5	11880	GLAZING BEAD	6063-T5 ALUMINUM
6	V-414	GLAZING VINYL	SOFT PVC
7	66108802	20mm THERMAL STRUT	ENSINGER
8	V-537	BULB VINYL	SOFT PVC
15		SHEAR CLIP	6063-T5 ALUMINUM

SEALS & SEALANTS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
9	----	SEAM SEALANT	SCHNEE MOREHEAD 2205

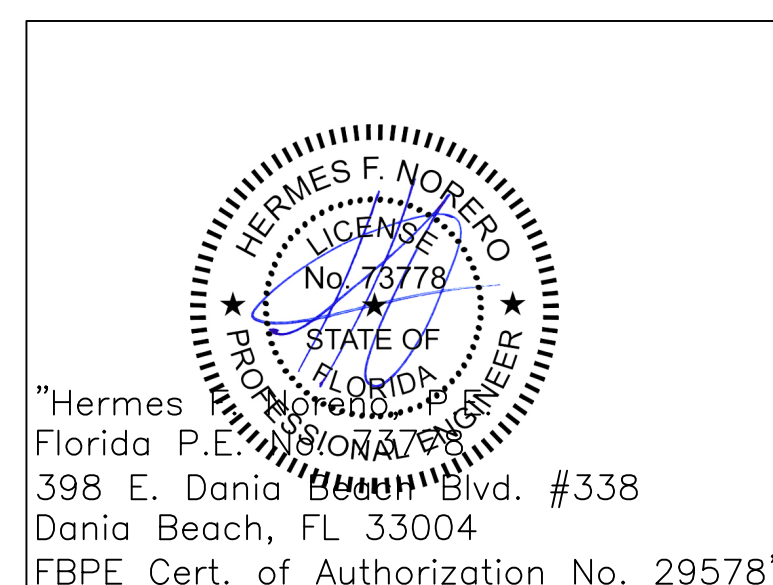
HARDWARE

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
10	66108841	BUTT HINGE	
11	66108861	BASE LOCK BAR	BRONZECRAFT
12	66107049	PULL HANDLE	BRONZECRAFT

MISC. FASTENERS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
13	66103392	#8 - 15 X 1" PH PN HD 'A' CAD SCREW	FRAME ASSEMBLY SCREW
14	----		INSTALLATION ANCHOR

NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY



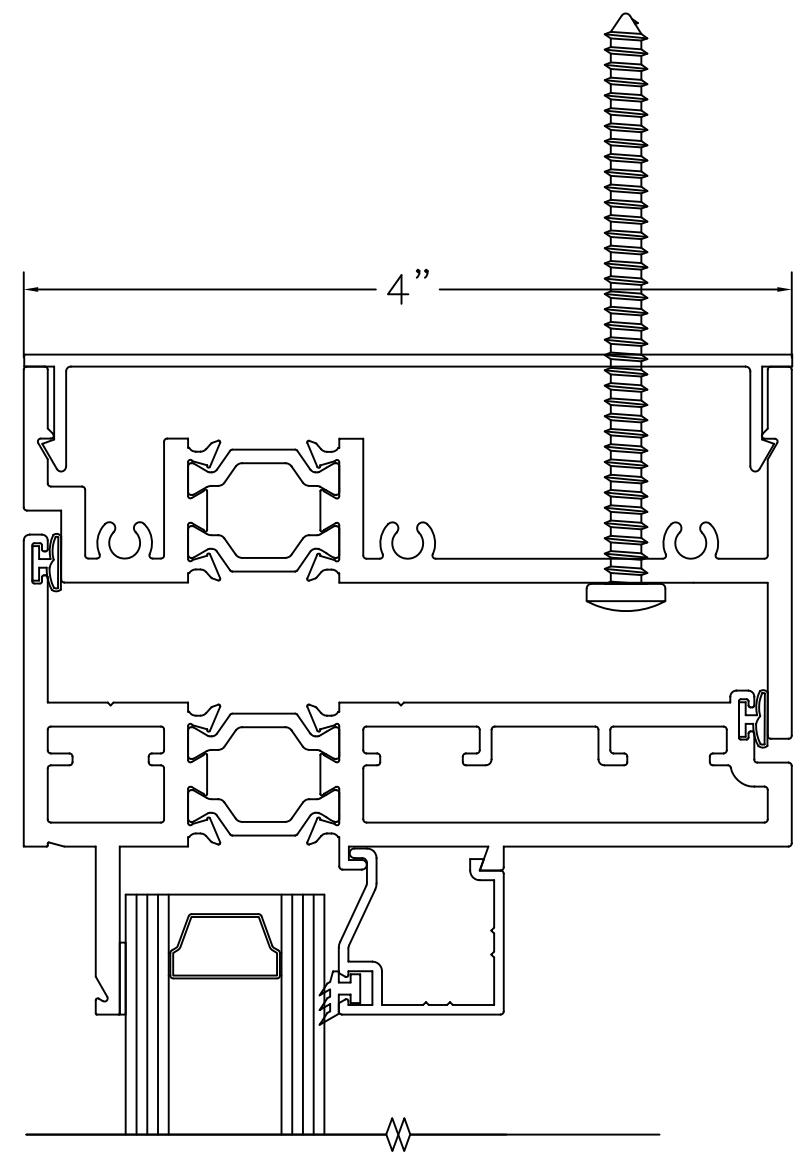
1293 HARVEY MITCHELL PKWY. BRYAN, TX 77803
 PHONE: (979) 823-6557 FAX: (979) 823-1005

MEMO NO. 8032-12

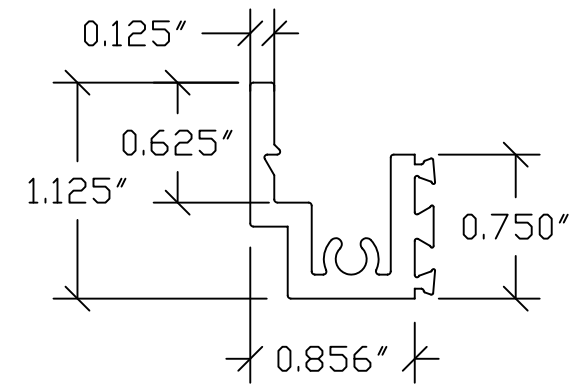
DESCRIPTION:
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REVISIONS	
A	EDITED DETAILS TO 2010 2/13/14
B	ADDED E3250 AND E4000

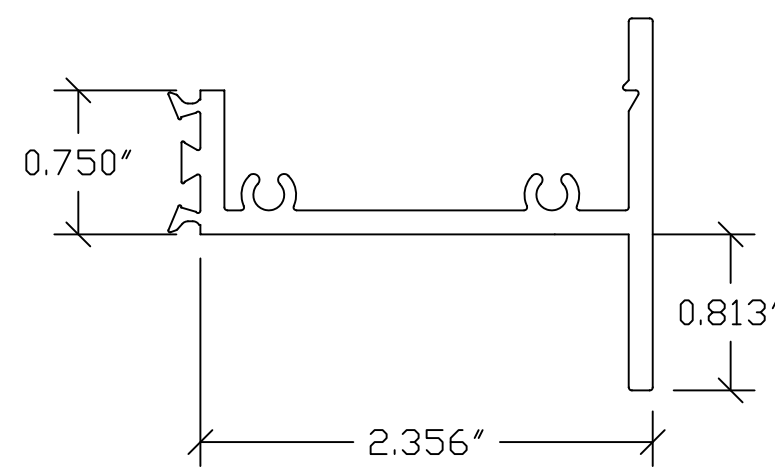
SCALE DETAILS: FULL ELEV: 3/4" = 1"
 DRAWN BY: JKY
 DATE DRAWN: 10/31/13
 PAGE NO. **6** OF **7**



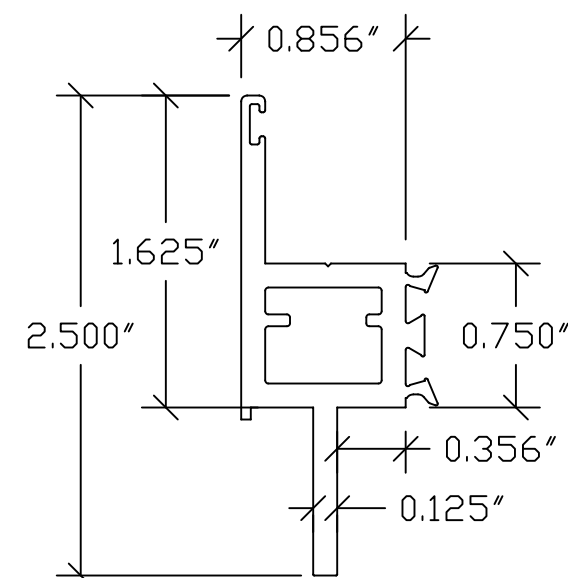
E4000 - 4" Frame window installation anchor placement shown. Reference previous pages for anchor type and spacing based on substrate installed into.



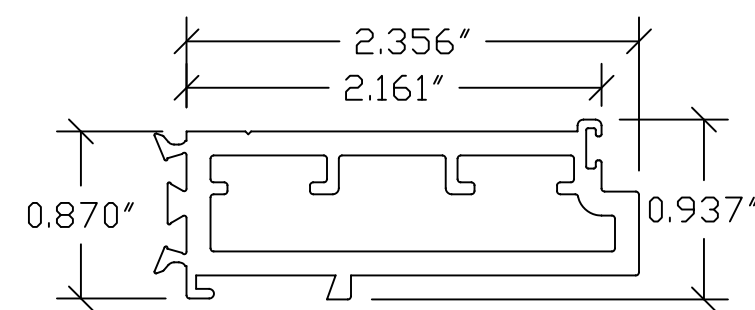
① FRAME EXTERIOR



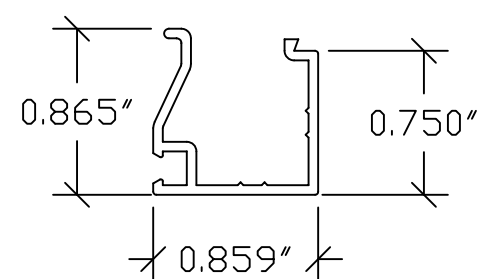
② FRAME INTERIOR



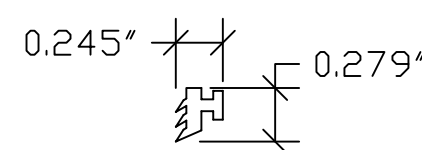
③ VENT EXTERIOR



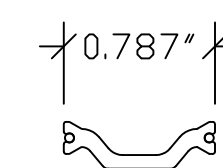
④ VENT INTERIOR



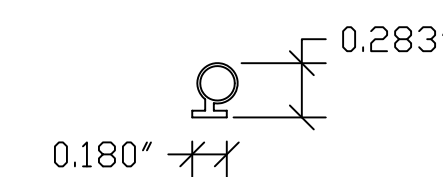
⑤ GLAZING BEAD



⑥ GLAZING VINYL



⑦ 20mm STRUT



⑧ BULB VINYL



⑮ SHEAR CLIP ALUMINUM 6063-T5

EXTRUSIONS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
1	10889	FRAME EXTERIOR	6063-T5 ALUMINUM
2	11955	FRAME INTERIOR	6063-T5 ALUMINUM
3	11886	VENT EXTERIOR	6063-T5 ALUMINUM
4	11956	VENT INTERIOR	6063-T5 ALUMINUM
5	11880	GLAZING BEAD	6063-T5 ALUMINUM
6	V-414	GLAZING VINYL	SOFT PVC
7	66108802	20mm THERMAL STRUT	ENSINGER
8	V-537	BULB VINYL	SOFT PVC
15		SHEAR CLIP	6063-T5 ALUMINUM

SEALS & SEALANTS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
9	----	SEAM SEALANT	SCHNEE MOREHEAD 2205

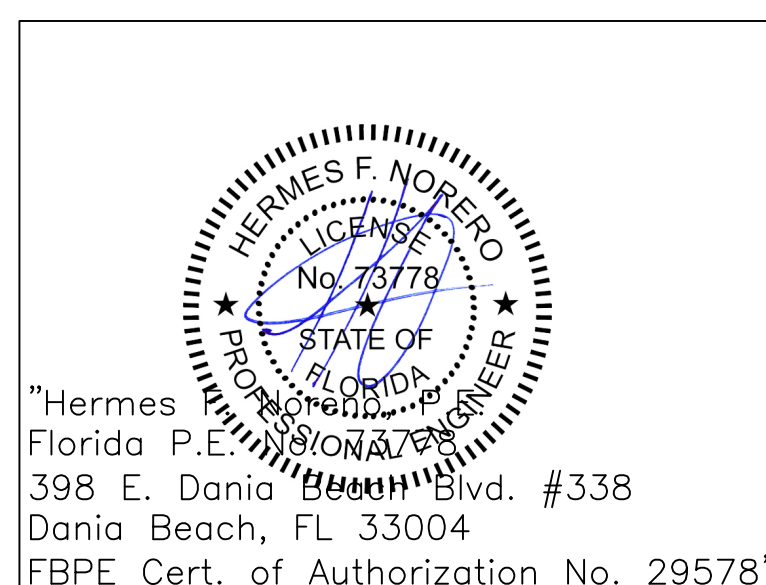
HARDWARE

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
10	66108841	BUTT HINGE	
11	66108861	BASE LOCK BAR	BRONZECRAFT
12	66107049	PULL HANDLE	BRONZECRAFT

MISC. FASTENERS

ITEM NO.	PART NO.	ITEM DESCRIPTION	MANUFACTURER / NOTES
13	66103392	#8 - 15 X 1" PH PN HD 'A' CAD SCREW	FRAME ASSEMBLY SCREW
14	----		INSTALLATION ANCHOR

NOTE: DRAWINGS TO SCALE ON 24 X 36 PAPER ONLY



1293 HARVEY MITCHELL PKWY. BRYAN, TX 77803
 PHONE: (979) 823-6557
 FAX: (979) 823-1005

MEMO NO. 8032-12

DESCRIPTION:
E4000 CASEMENT OUT BOM AND DIES

REVISIONS

REVISION	DATE
A	2/13/14
B	

SCALE: DETAILS: FULL ELEV: 3/4" = 1"

DRAWN BY: JKY

DATE DRAWN: 10/31/13

PAGE NO. 7 OF 7