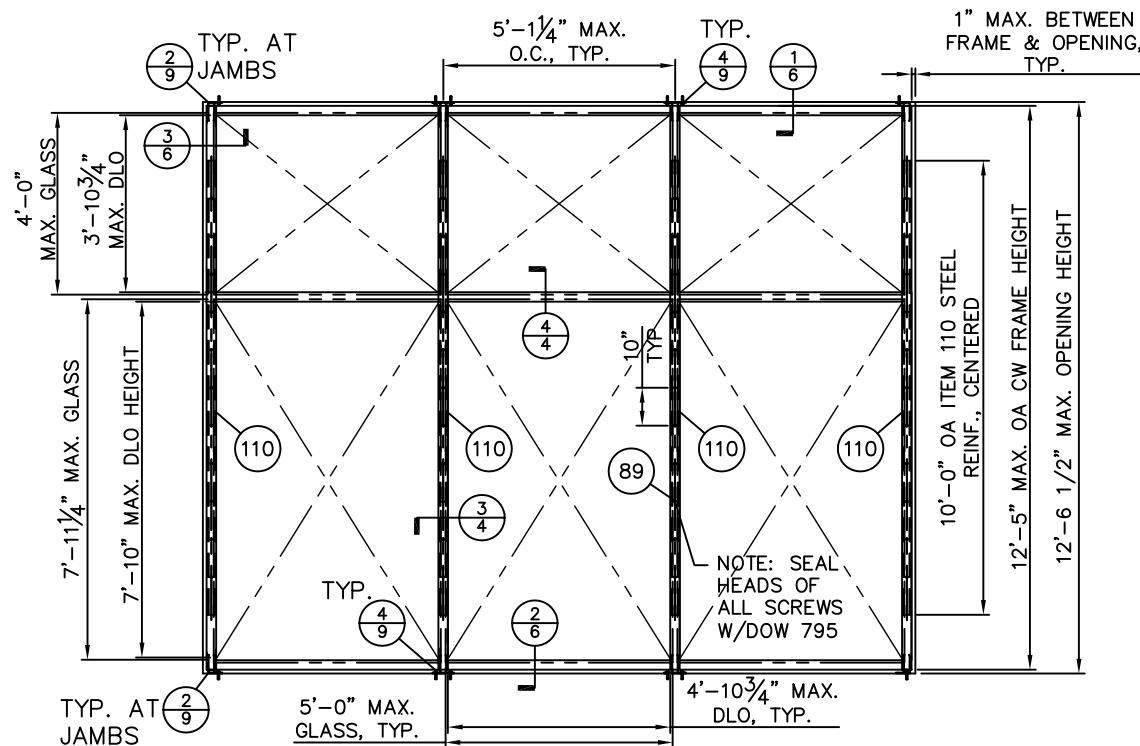


E2
2 SINGLE-SPAN ELEVATION
WET GLAZED, SEE TABLE B FOR LIMITS OF USE

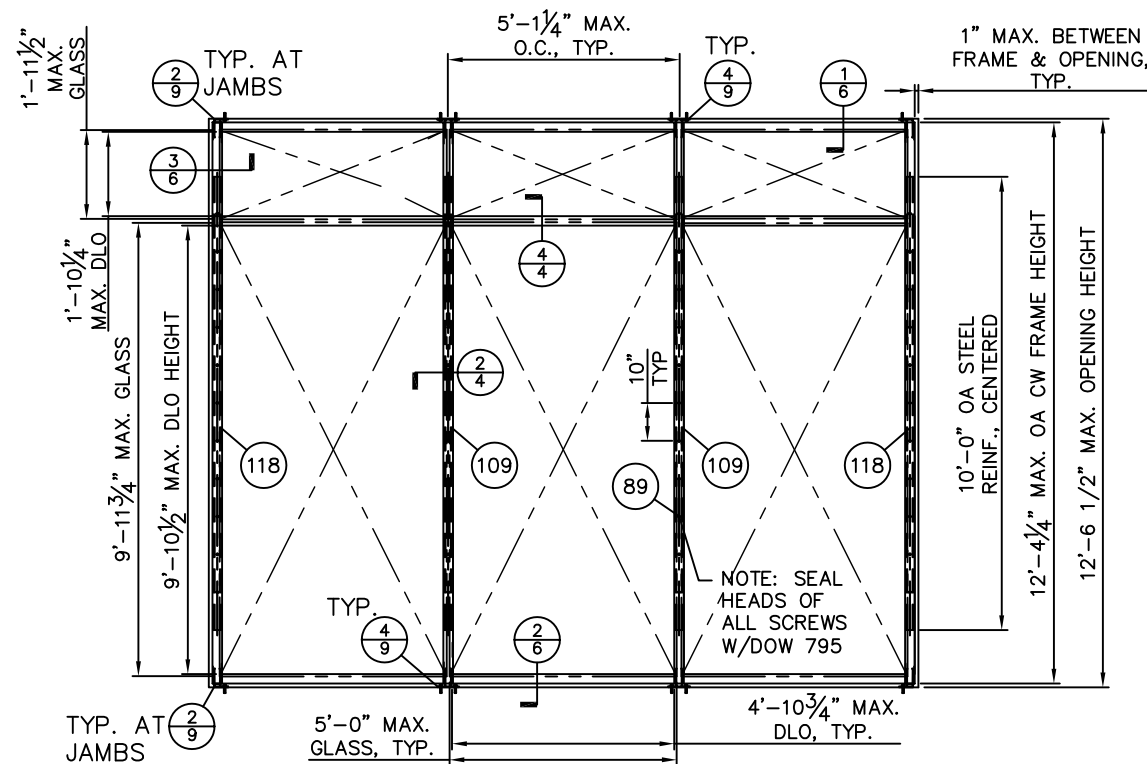


E4
2 SINGLE-SPAN ELEVATION
DRY GLAZED, SEE TABLE D FOR LIMITS OF USE

TABLE E. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	SOLID UNCRACKED CONCRETE (3000 PSI MIN)	3/8" HILTI KWIK BOLT 3 CARBON OR STAINLESS STEEL, MAY BE USED ALL LOCATIONS EXCEPT DET. 1/9	2 1/2"	3"
B	SOLID UNCRACKED CONCRETE (3000 PSI MIN)	1/2" HILTI KWIK BOLT 3 CARBON OR STAINLESS STEEL, MAY BE USED ALL LOCATIONS, REQUIRED AT DETAIL 1/9 FOR CONCRETE INSTALL	2 1/4"	4 3/4"
C	SOUTHERN PINE WOOD (G=0.55 MIN)	1/2" GRADE 5 LAG SCREW	3"	2"
D	1/4" ALUM. 6063-T5 MIN. OR 1/4" STEEL 36 KSI MIN.	3/8-16 GRADE 5 SHEET METAL SCREW	SEE NOTE	3/4"
E	7-5/8" WALL SOLID UNCRACKED CONCRETE (4500 PSI MIN)	3/8" HILTI KWIK BOLT 3 CARBON OR STAINLESS STEEL, MAY BE USED W/ DET. 4/9 T-CLIPS WITH SIX ANCHORS PER CLIP, WITH MAX. SYSTEM DP OF +/-42 PSF, WITH MULL TUBES TIGHT TO T-CLIPS (1/4" OFFSET FROM MULL END TO OPENING SUBSTRATE)	2 1/2"	1 1/4" DIST. TO ONE EDGE, 2 5/8" DIST. TO OPPOSITE EDGE

NOTE: ANCHORS THROUGH METAL SHALL BE OF SUFFICIENT LENGTH TO PROVIDE THREAD ENGAGEMENT THROUGH THE FULL METAL THICKNESS



E3
2 SINGLE-SPAN ELEVATION
WET GLAZED, SEE TABLE C FOR LIMITS OF USE

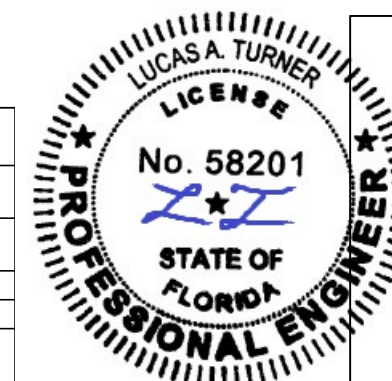
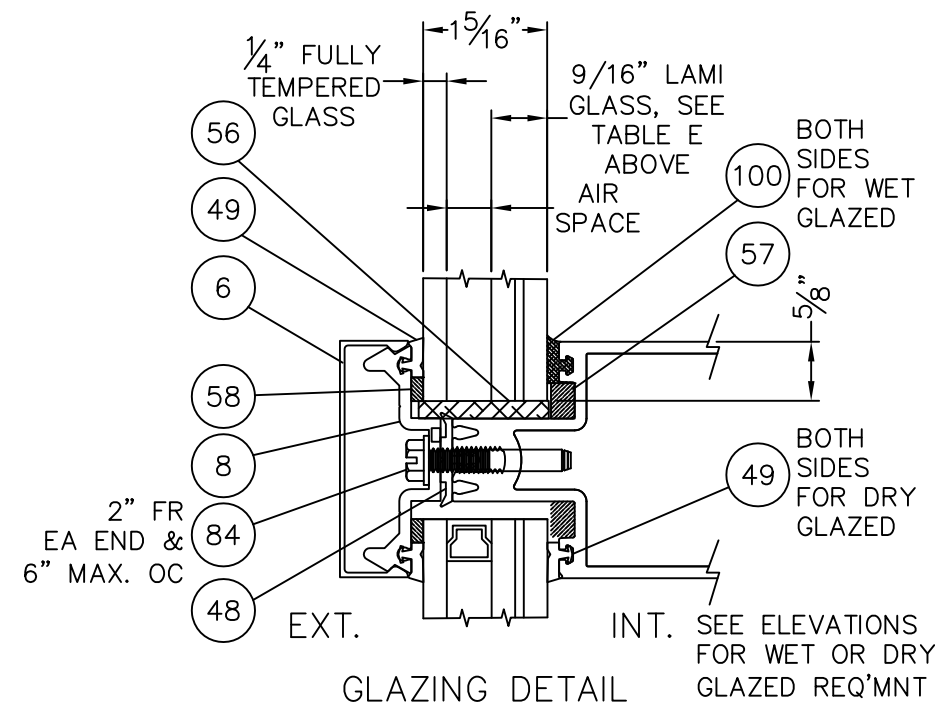
TABLE B. ELEV. E2/2 INFORMATION	
DESIGN PRESSURE	+/-65 PSF
GLAZING TYPE	3
MISSILE RATING	LARGE MISSILE

TABLE C. ELEV. E3/2 INFORMATION	
DESIGN PRESSURE	+/-90 PSF
GLAZING TYPE	1
MISSILE RATING	LARGE MISSILE

TABLE D. ELEV. E4/2 INFORMATION	
DESIGN PRESSURE	+/-70 PSF
GLAZING TYPE	1
MISSILE RATING	LARGE MISSILE

TABLE F. QUALIFIED GLAZING TYPES

TYPE	DESCRIPTION
ALL	1 5/16" THK. INSULATED LAMI. GLASS CONSISTING OF: -1/4" CLEAR, TEMPERED -1/2" AIRSPACE -1/4" CLEAR, HEAT STRENGTHENED -INTERLAYER AS SHOWN BELOW BY TYPE -1/4" CLEAR, HEAT STRENGTHENED
1	LARGE MISSILE INTERLAYER -0.090 KURARAY (DUPONT) SENTRY GLAS
2	LARGE MISSILE INTERLAYER -0.075 EASTMAN SAFLEX CP (VS02)
3	LARGE MISSILE INTERLAYER -0.090 KURARAY (DUPONT) BUTACITE PVB
4	SMALL MISSILE INTERLAYER -0.060 KURARAY (DUPONT) BUTACITE PVB



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TUBELITE
CW 400 CAPTURED IMPACT
CURTAIN WALL SYSTEM

3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: 800.866.2227
FX: 616.301.0008
WEB SITE: WWW.TUBELITEINC.COM

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REVISION HISTORY:

REV	DATE	DESCRIPTION	DRAWN
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C	10.5.18	ADDED ANCHOR E	LT
D	10.26.20	FBC CODE UPDATE	LT

DATE: 05.07.14

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DRAWN:

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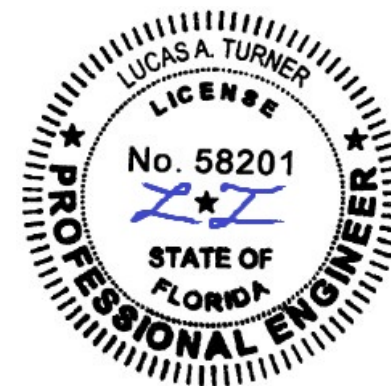
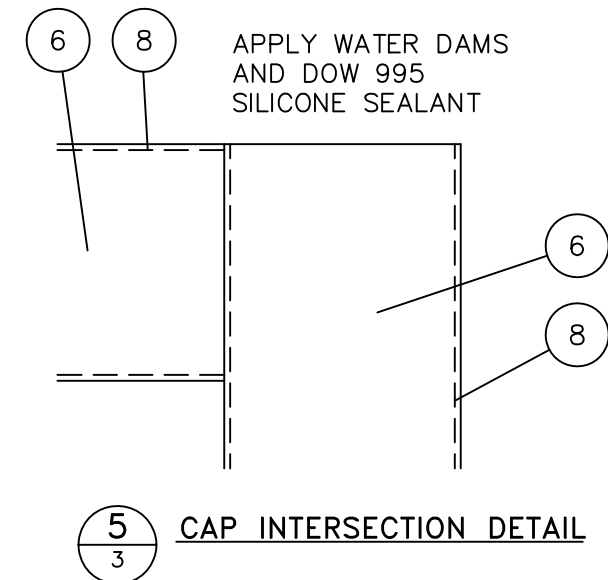
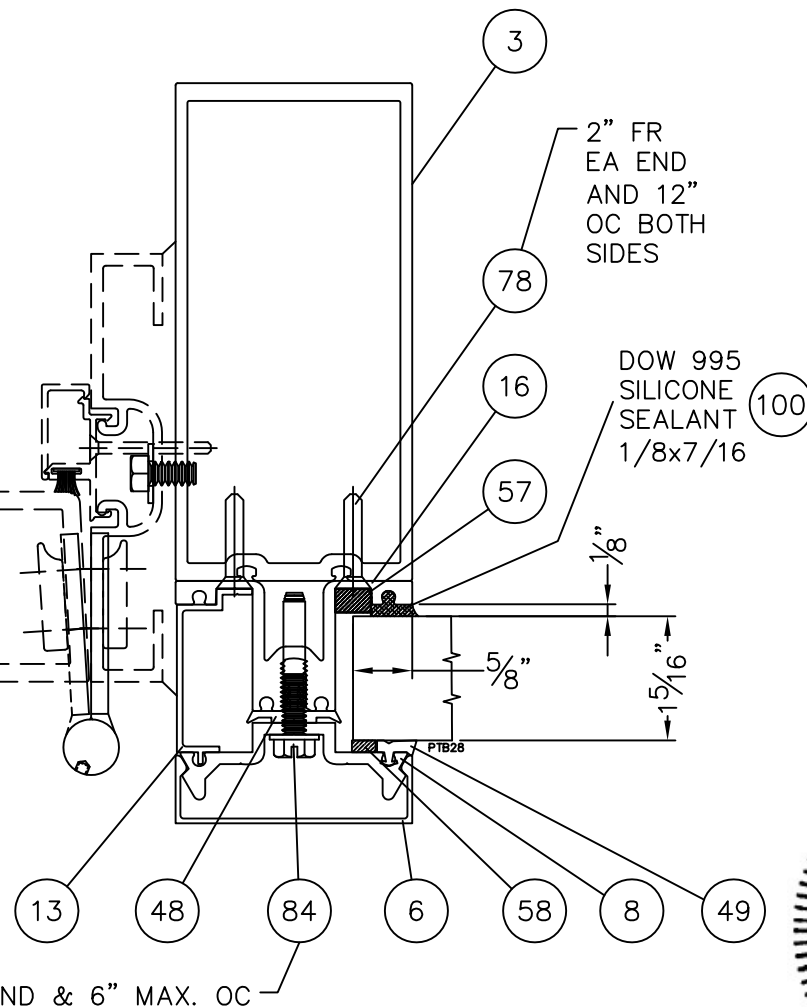
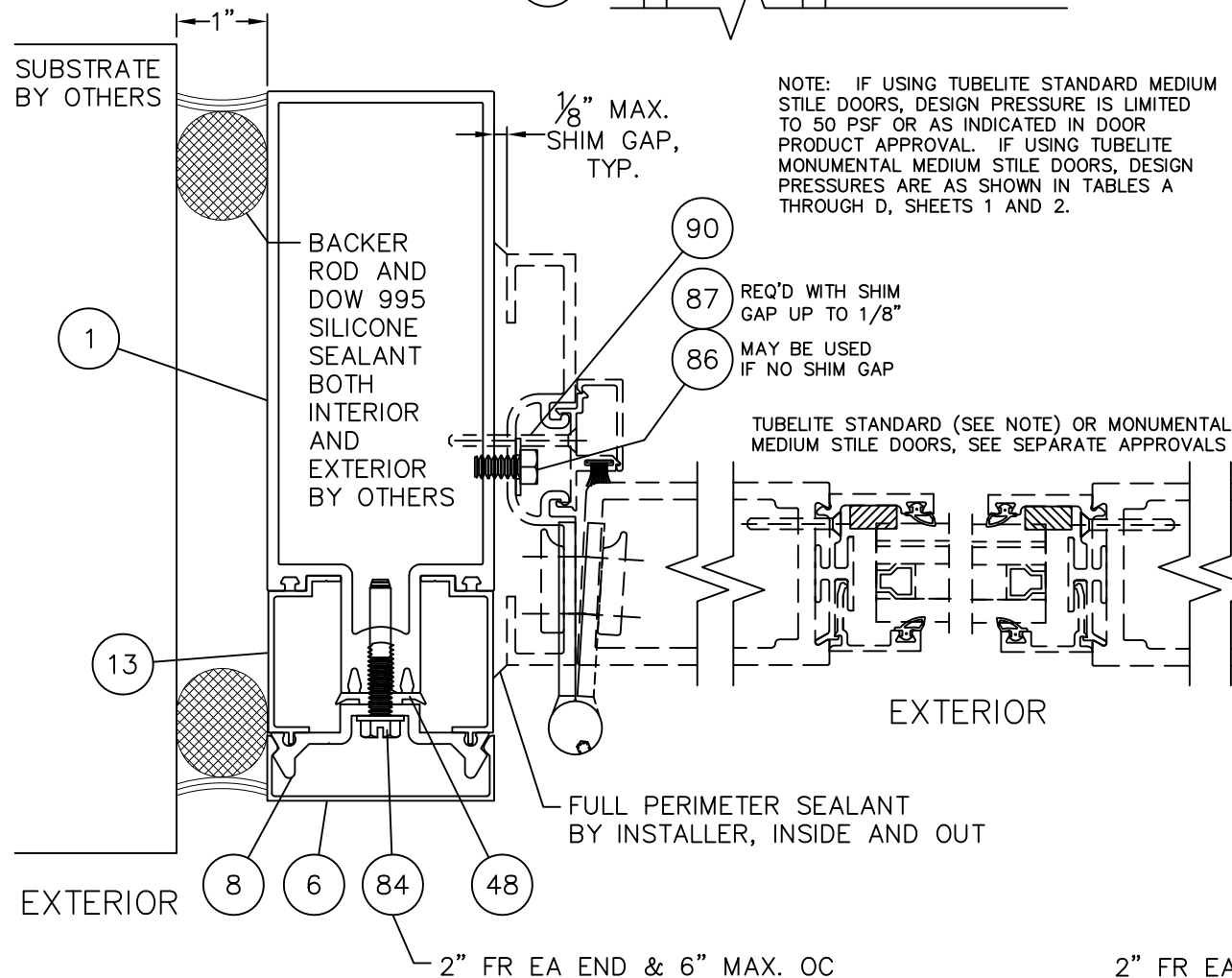
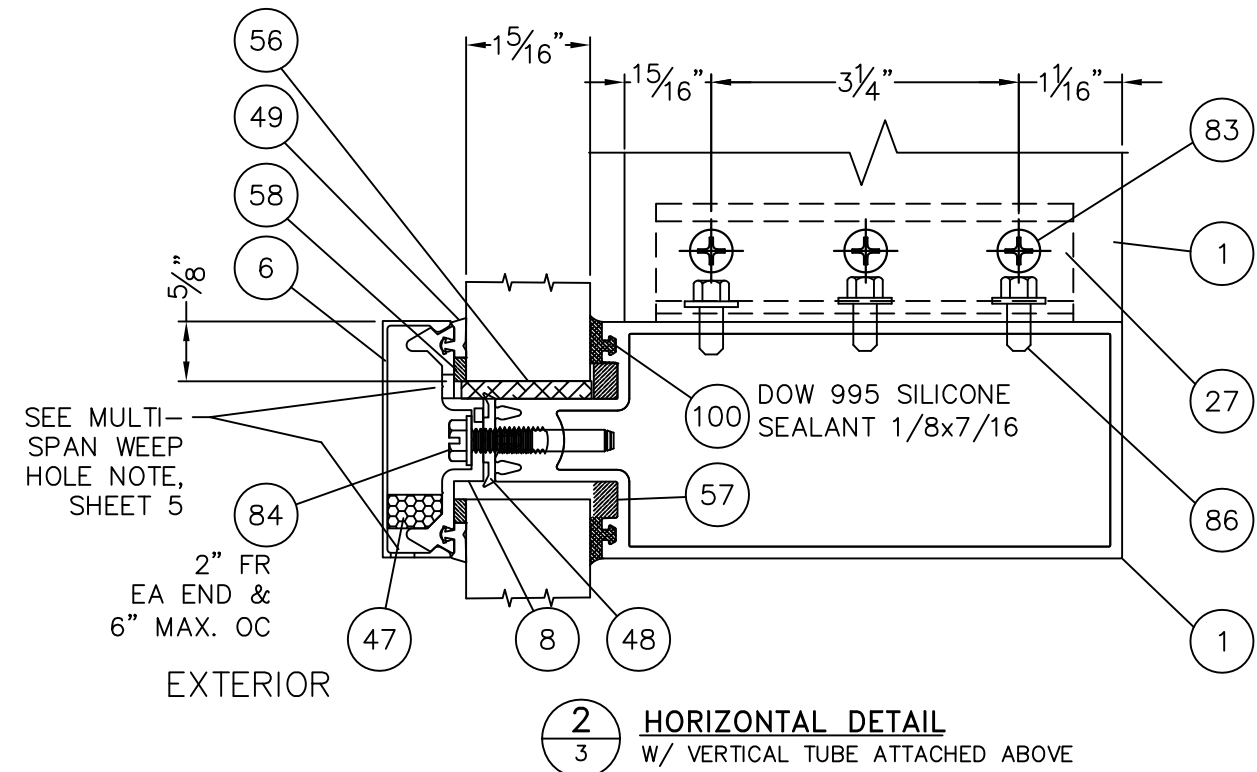
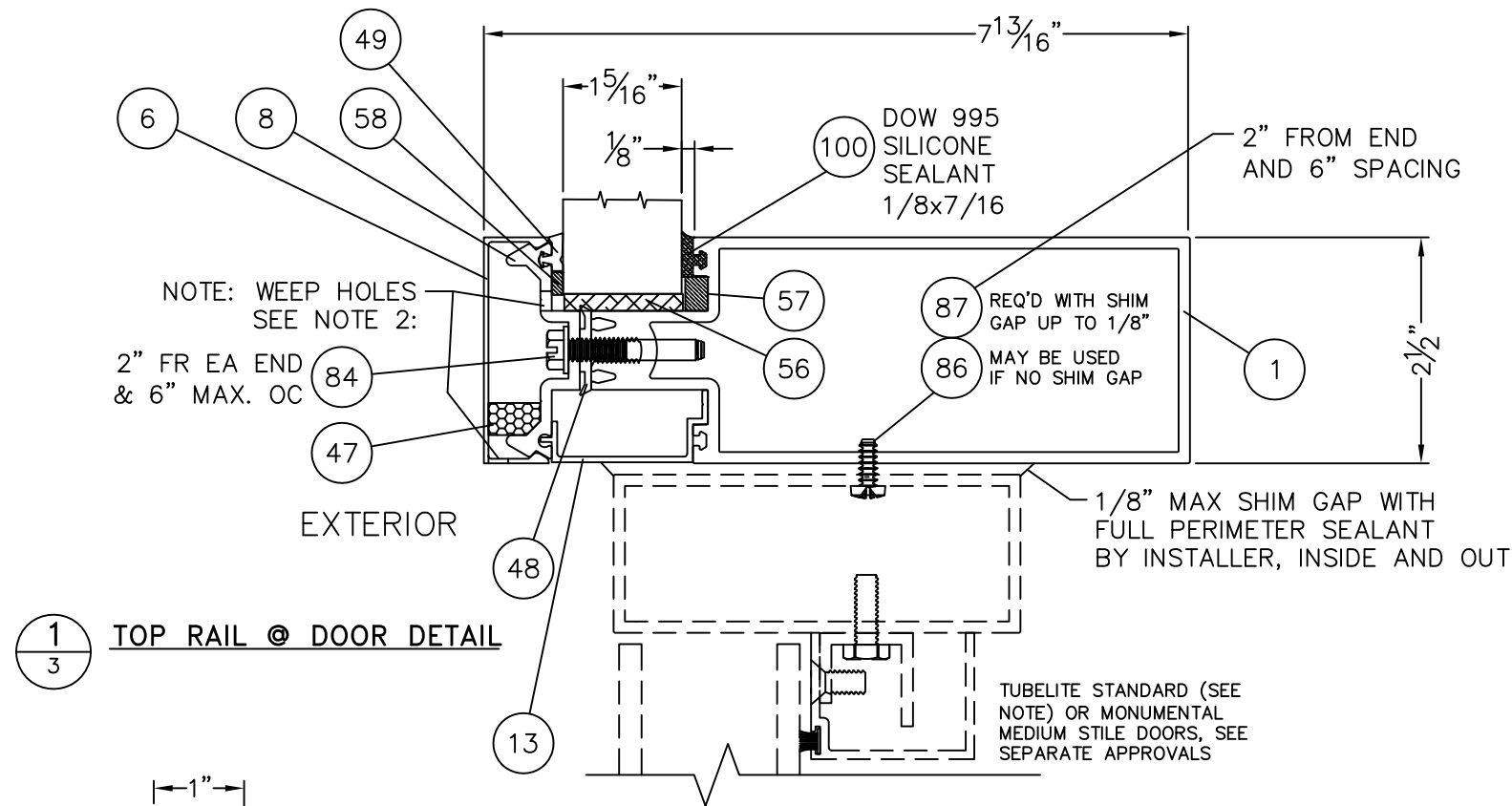
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REVISION: D

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ELEVATIONS, ANCHORAGE, GLAZING

SHEET: 2 OF 14



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FINAL REVIEW:

SCALE: N.T.S.

REVISION: D

SHEET NAME:

DOOR SECTION DETAILS

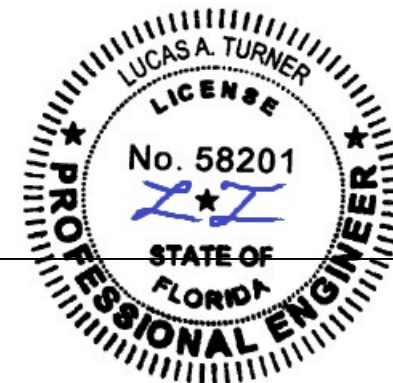
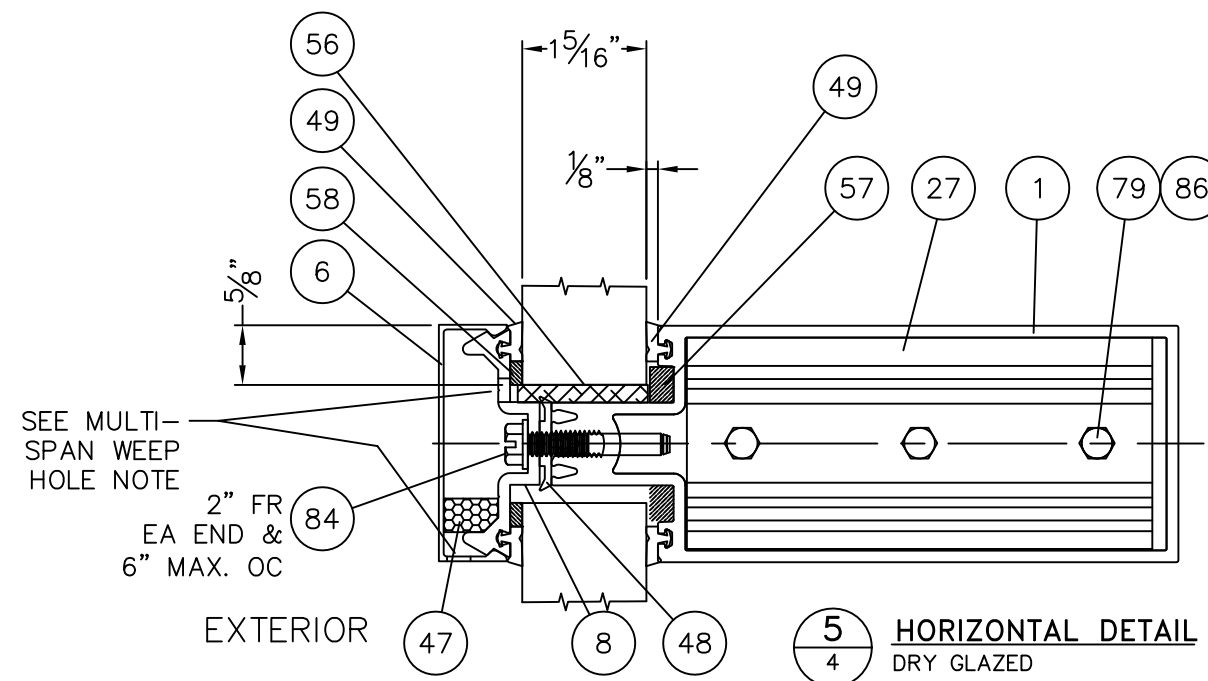
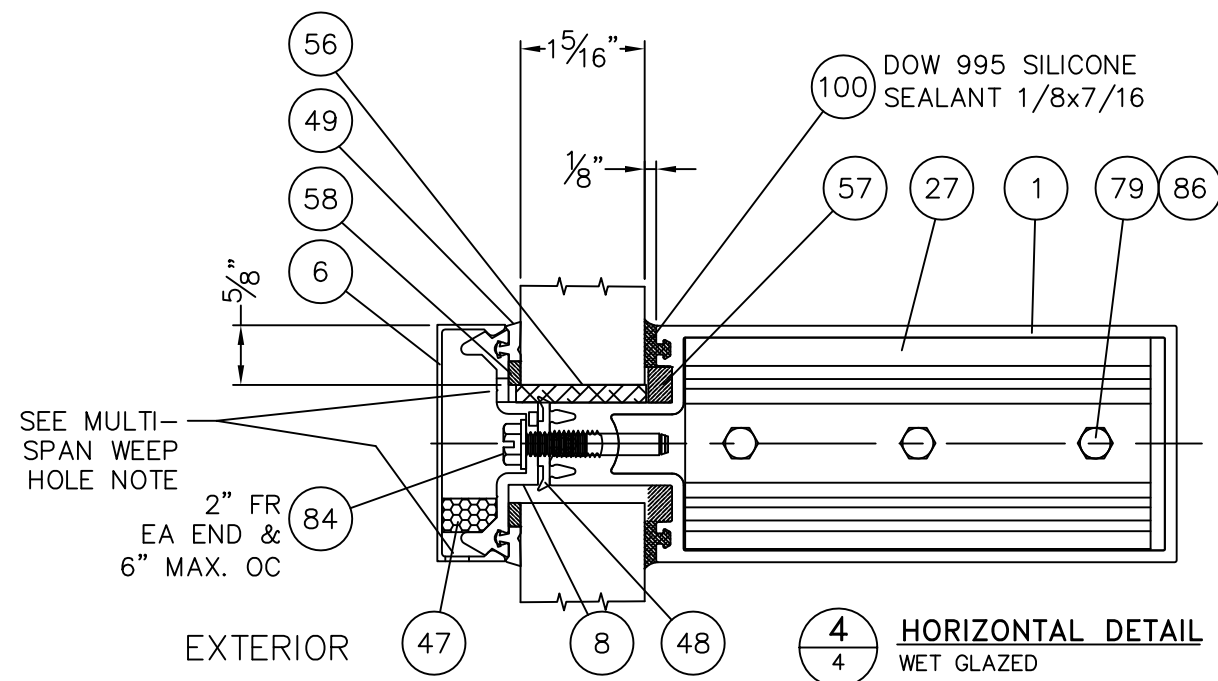
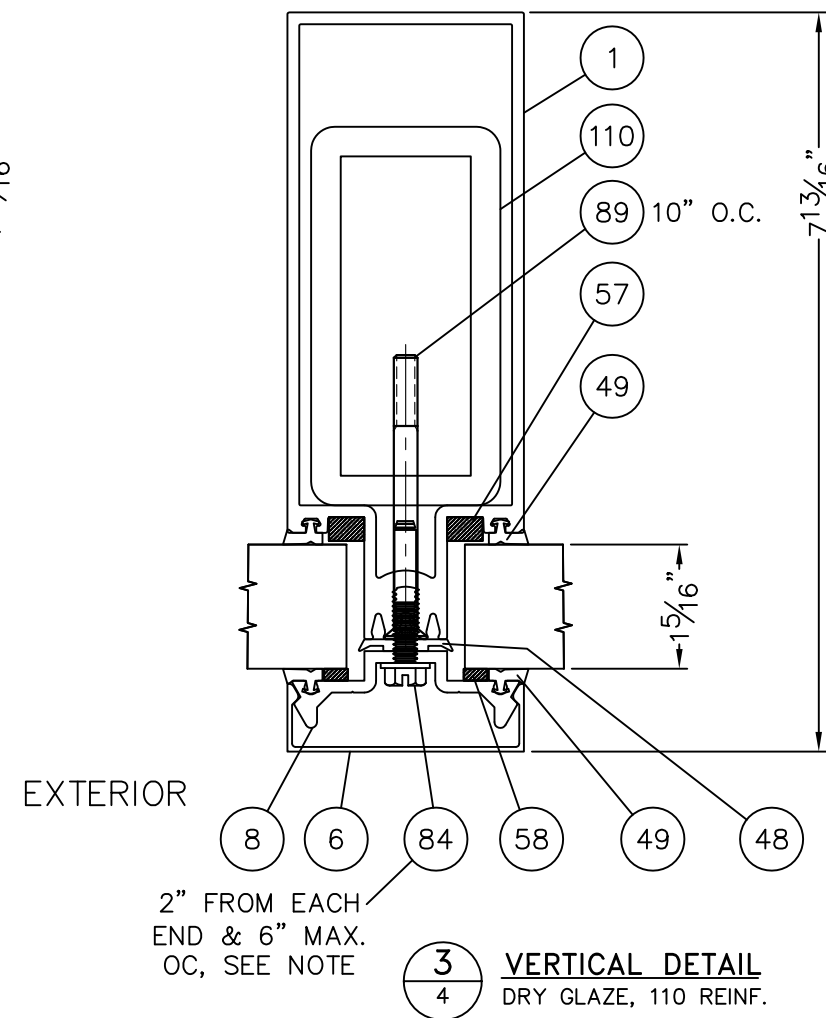
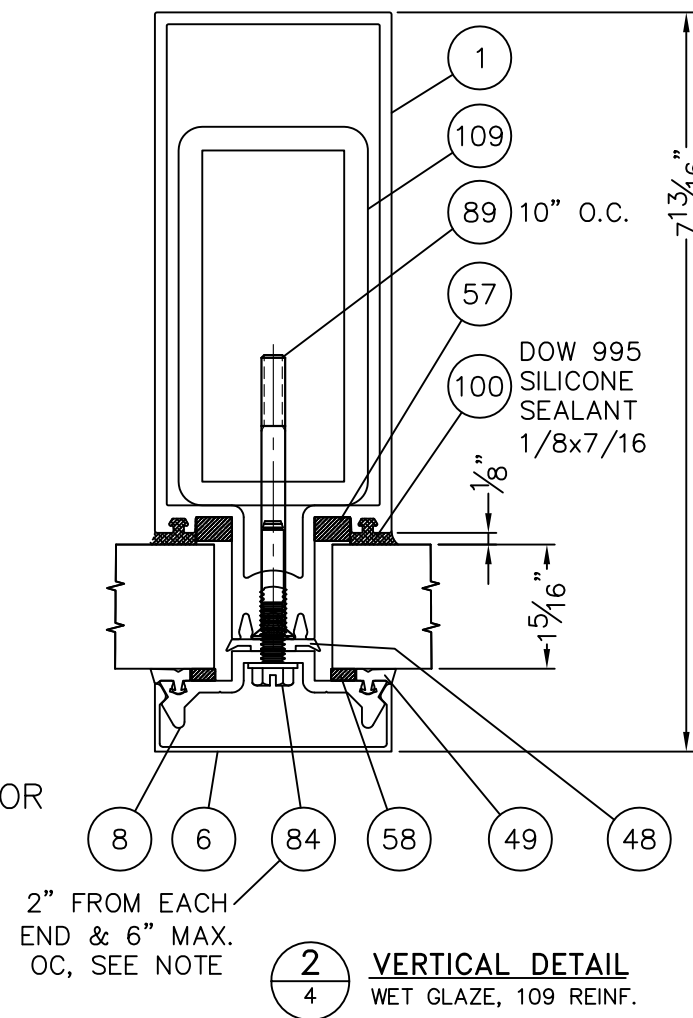
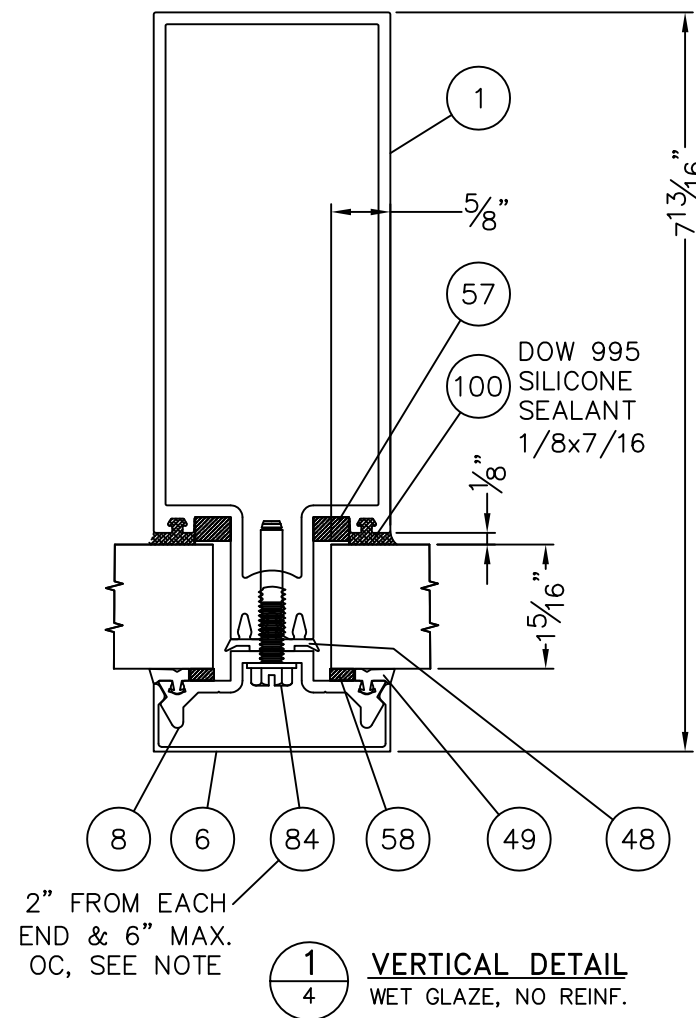
SHEET: 3 OF 14

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NOTE: SEAL
HEADS OF ALL
PRESSURE
PLATE SCREWS
W/DOW 795

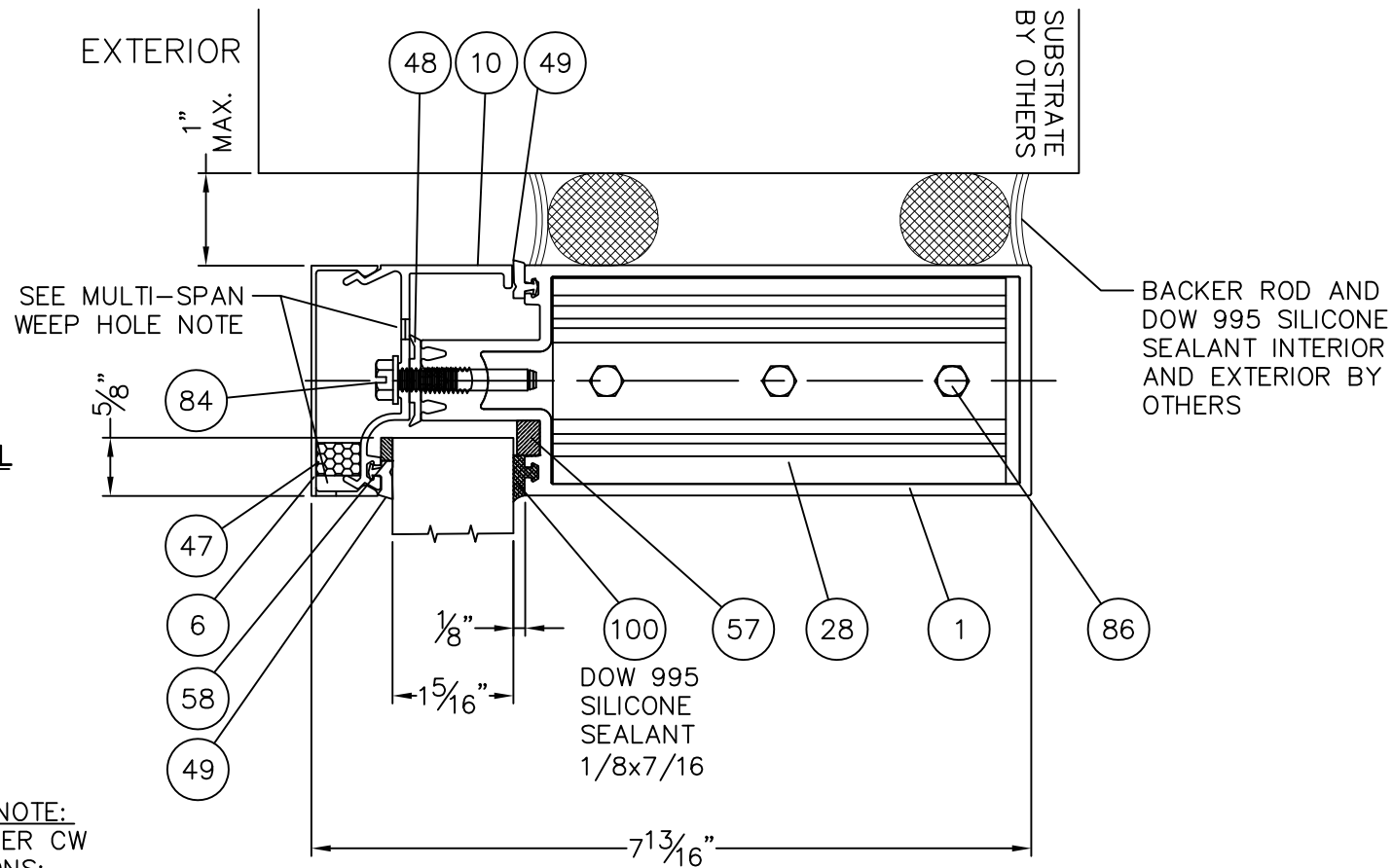


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D	10.26.20	FBC CODE UPDATE	LT	

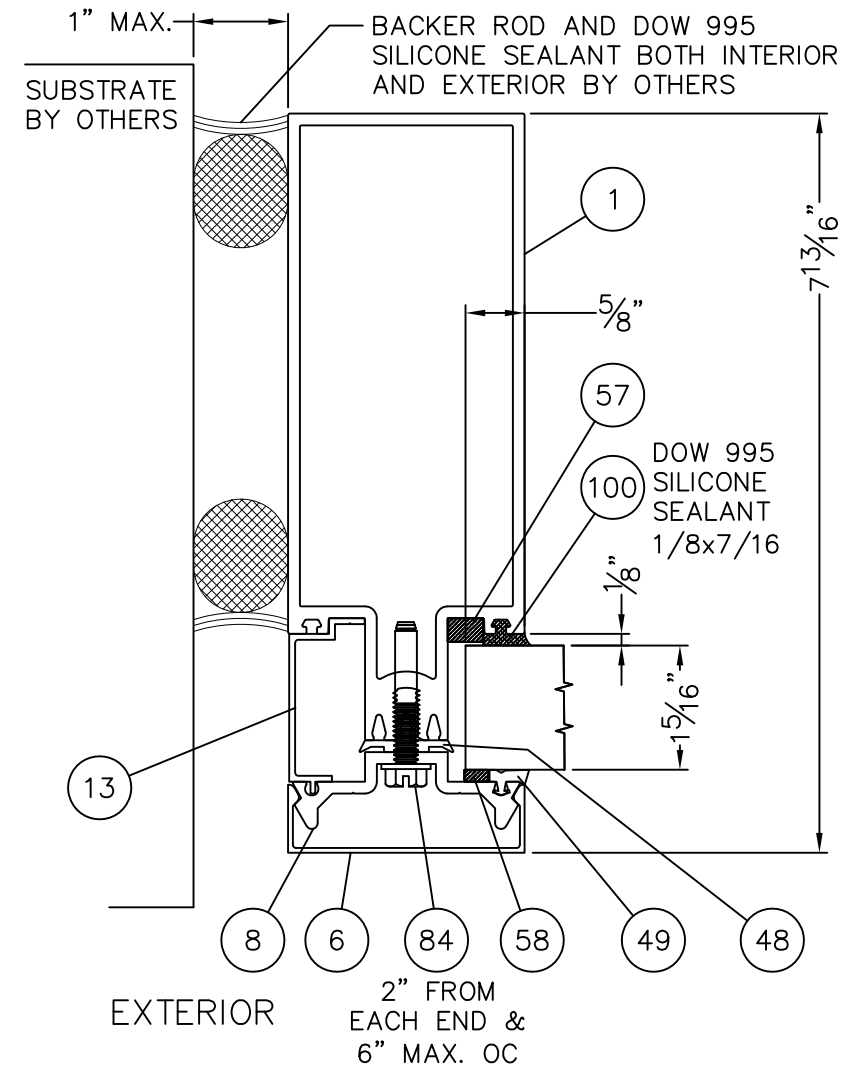
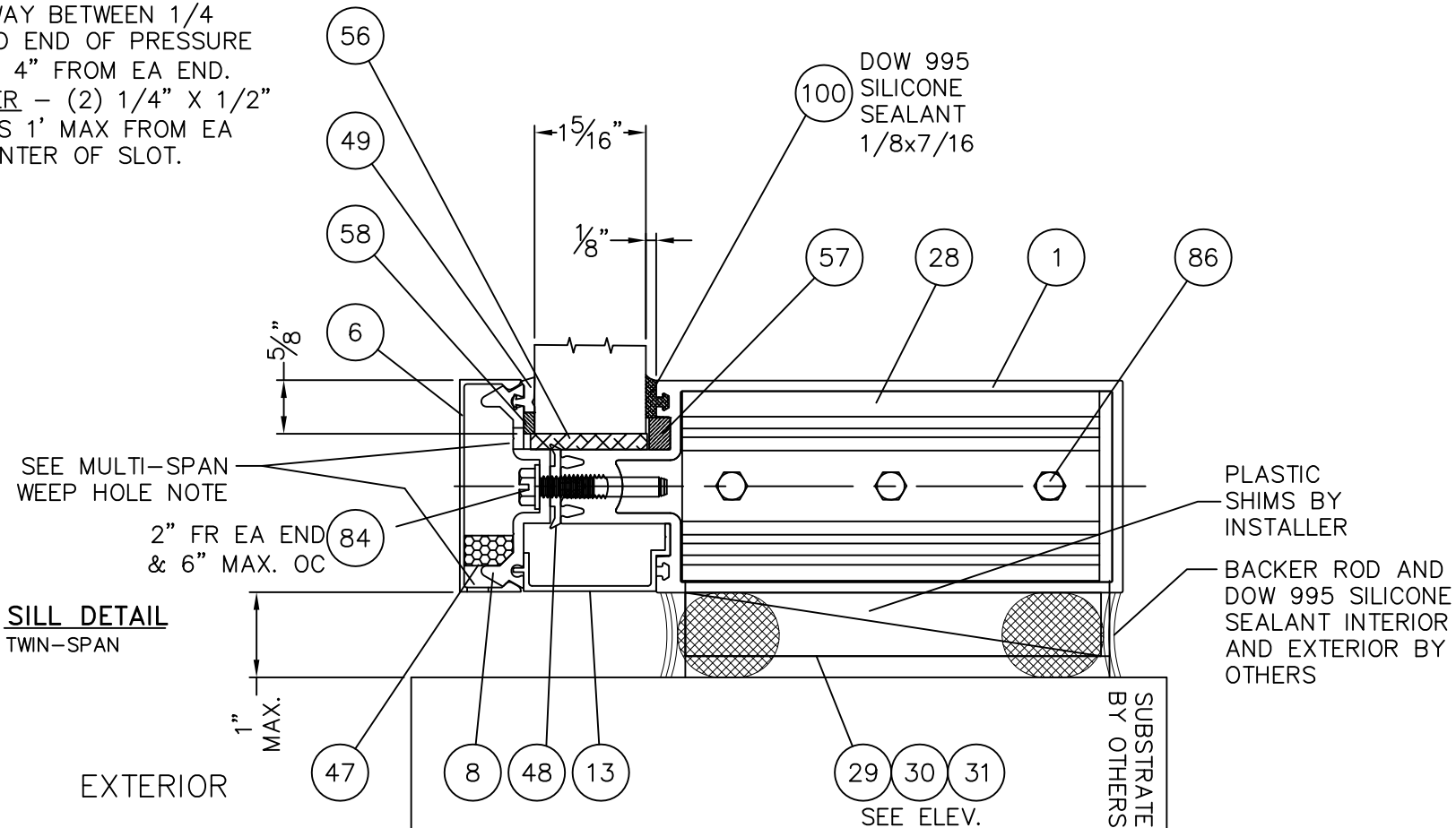
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DRAWN:
FINAL REVIEW:
SCALE: N.T.S.
REVISION: D
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SHEET: 4 OF 14

1 HEAD DETAIL
TWIN-SPAN

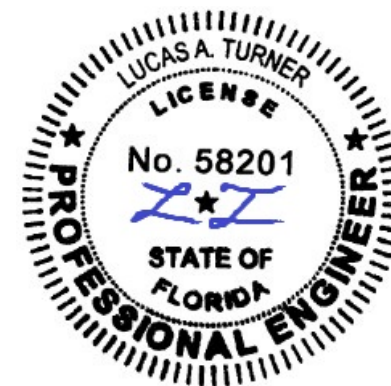


TWIN-SPAN WEEP HOLE NOTE:
WEEP HOLE LOCATIONS PER CW
INSTALLATION INSTRUCTIONS:
PRESSURE PLATE - (3) 1/4"
DIA. HOLES ONE MID BAY AND
(1) HALF WAY BETWEEN 1/4
POINTS AND END OF PRESSURE
PLATE. MIN 4" FROM EA END.
SNAP COVER - (2) 1/4" X 1/2"
LONG SLOTS 1' MAX FROM EA
END TO CENTER OF SLOT.

2 SILL DETAIL
TWIN-SPAN



3 JAMB DETAIL
TWIN-SPAN



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DRAWING NUMBER: FPA-400-CAP-IMP

DRAWN:

FINAL REVIEW:

SCALE: N.T.S.

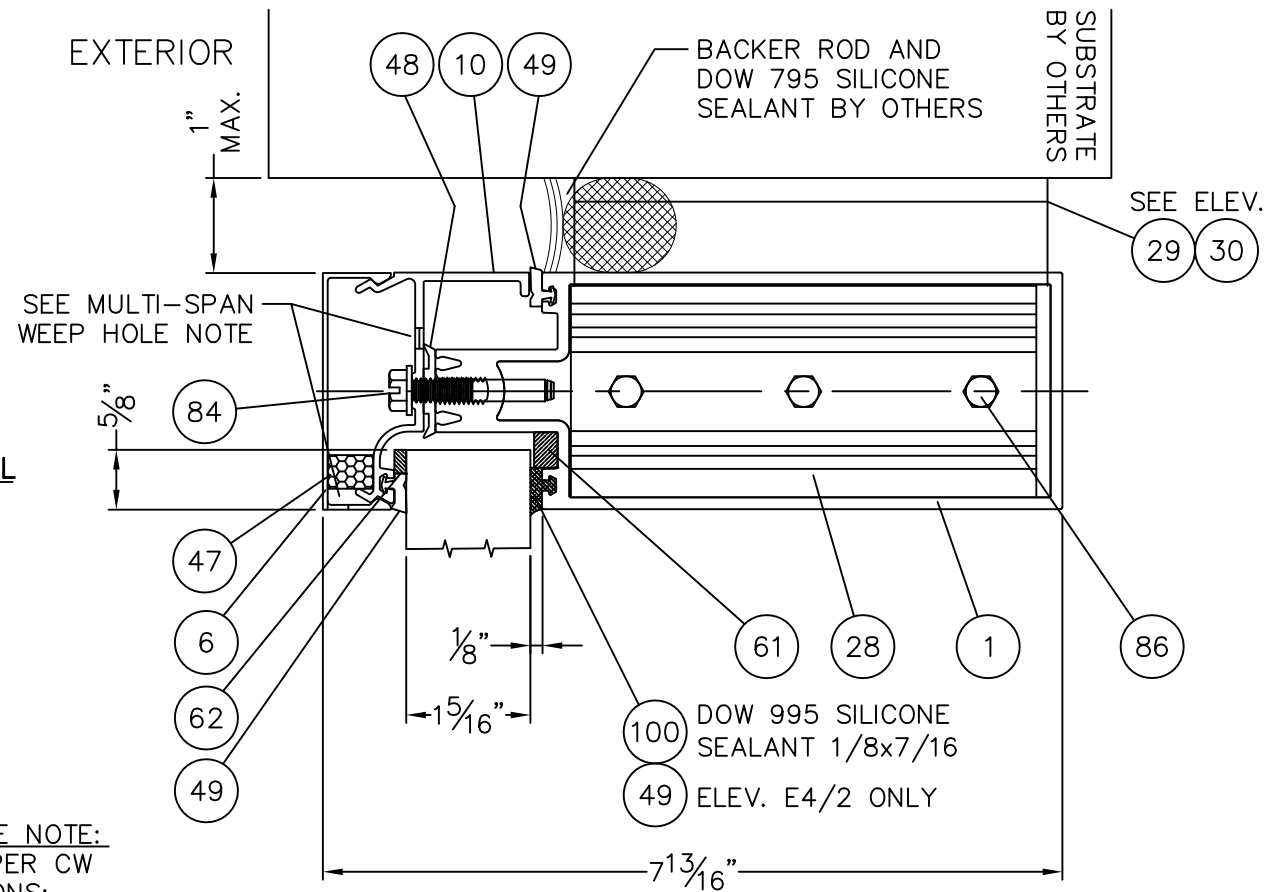
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SHEET NAME:

TWIN-SPAN
PERIMETER
DETAILS

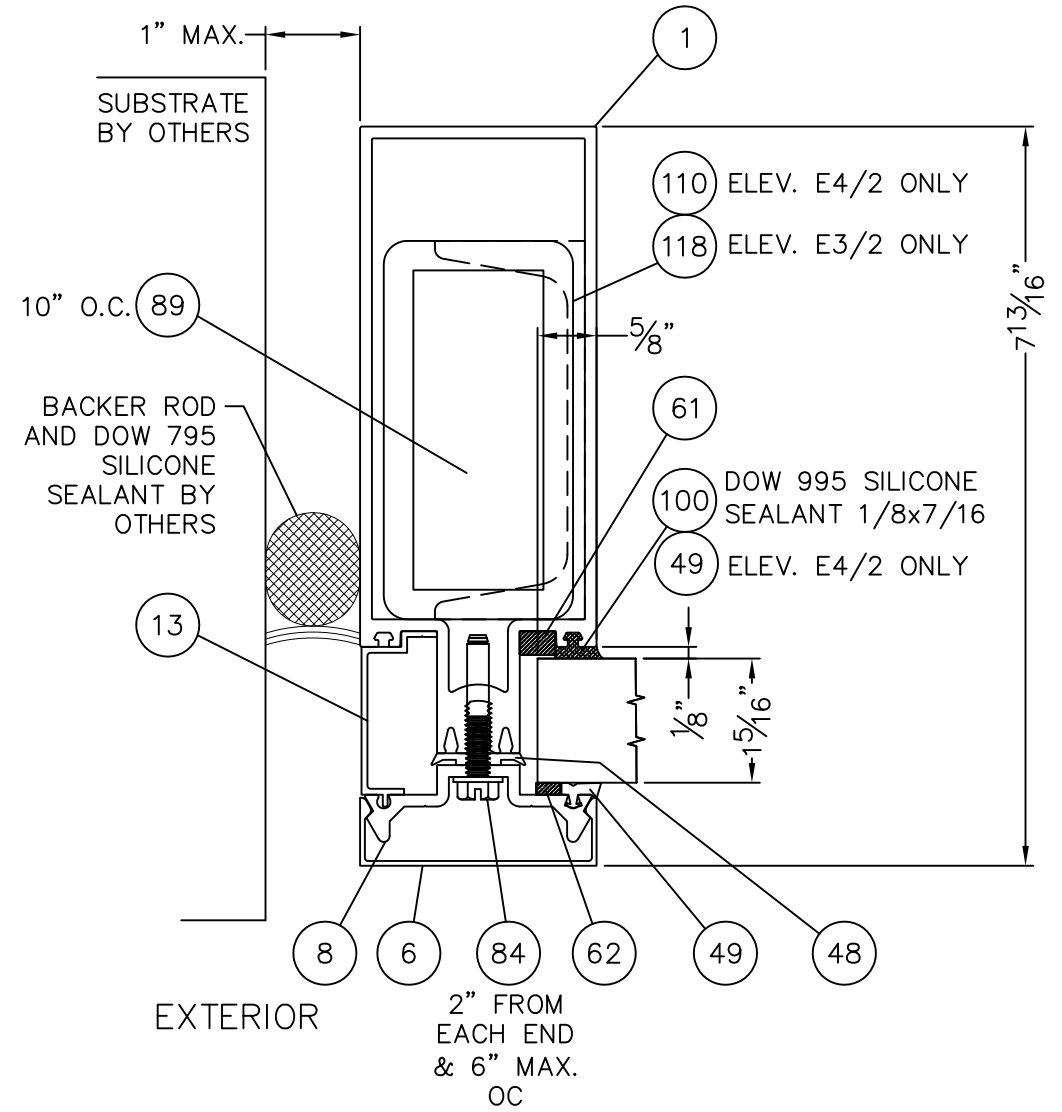
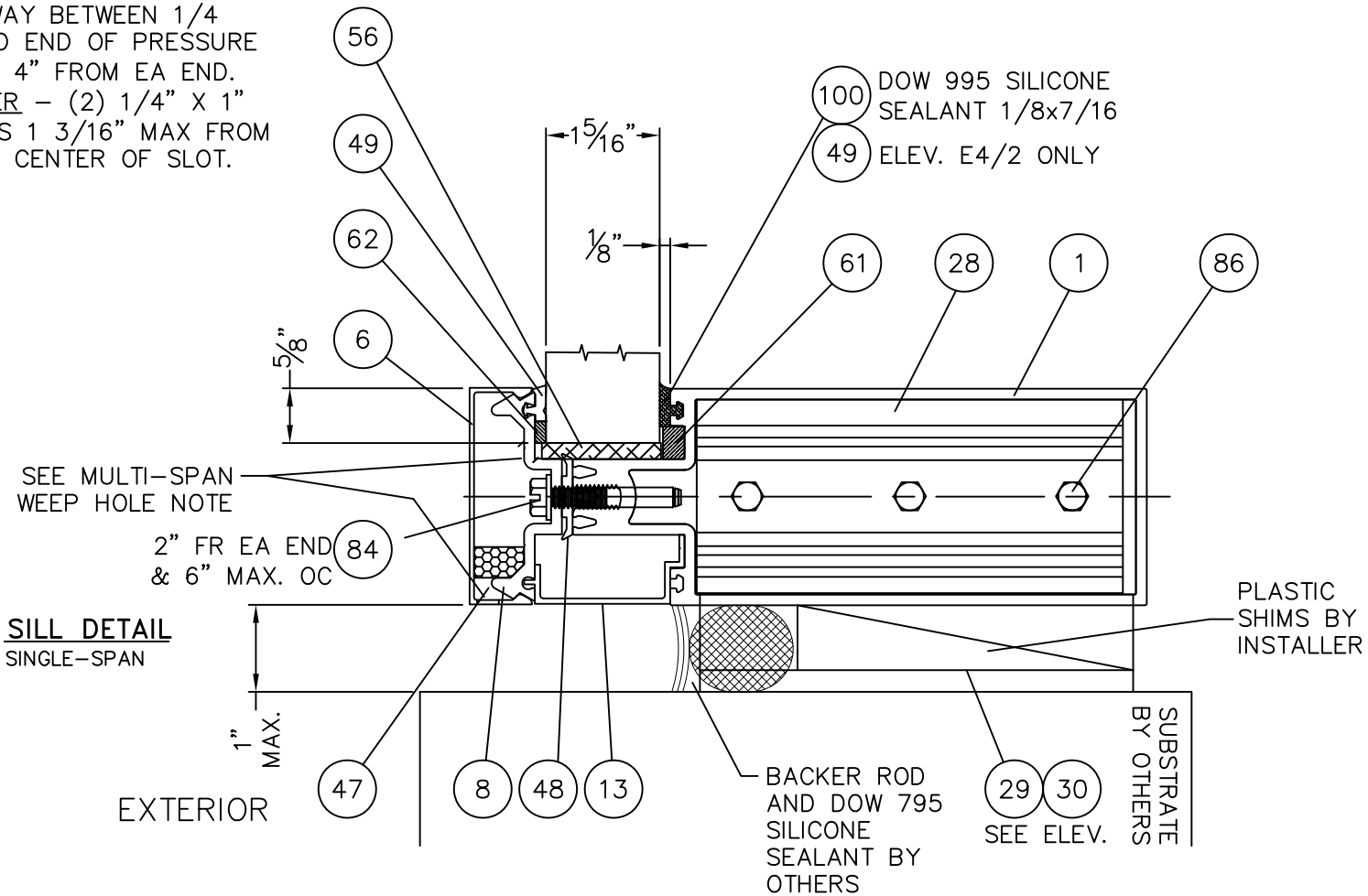
SHEET: 5 OF 14

1 HEAD DETAIL
SINGLE-SPAN

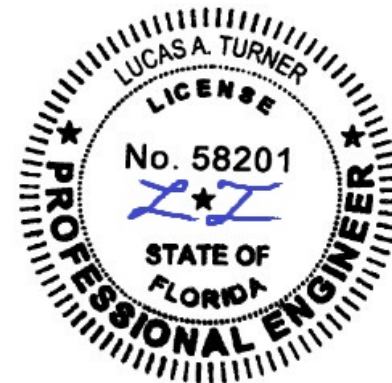


SINGLE-SPAN WEEP HOLE NOTE:
WEEP HOLE LOCATIONS PER CW
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LONG SLOTS 1 3/16" MAX FROM
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2 SILL DETAIL
SINGLE-SPAN



3 JAMB DETAIL
SINGLE-SPAN



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FINAL REVIEW:

SCALE: N.T.S.

REVISION: D

SHEET NAME:

SINGLE-SPAN
PERIMETER
DETAILS

SHEET: 6 OF 14

TUBELITE
CW 400 CAPTURED IMPACT
CURTAIN WALL SYSTEM

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REVISION HISTORY:				
REV	DATE	DRAWN	DESCRIPTION	
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DATE: 05.07.14

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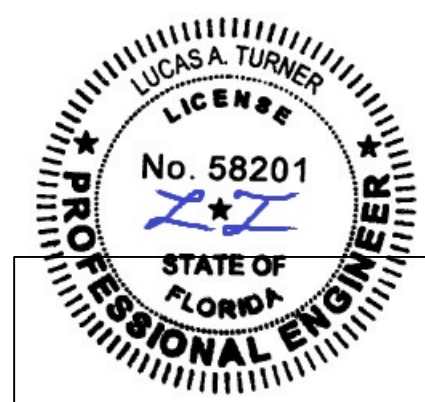
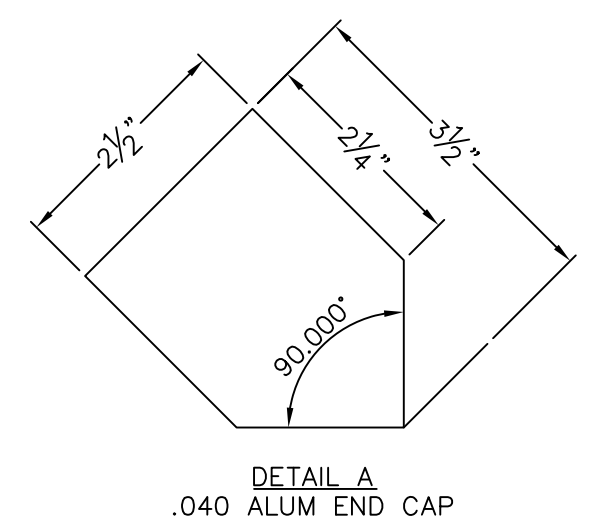
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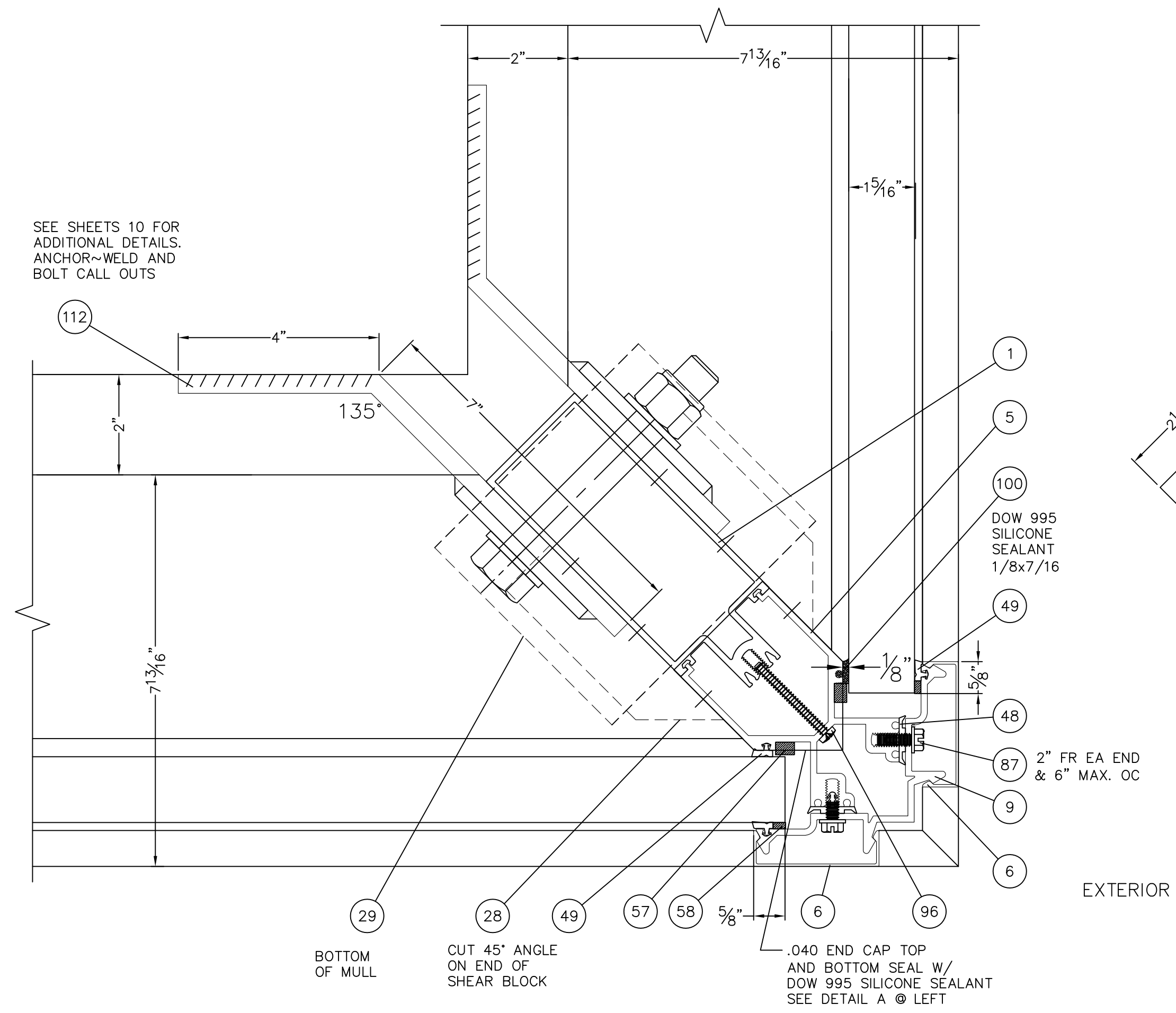
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SHEET NAME: CORNER SECTION DETAIL

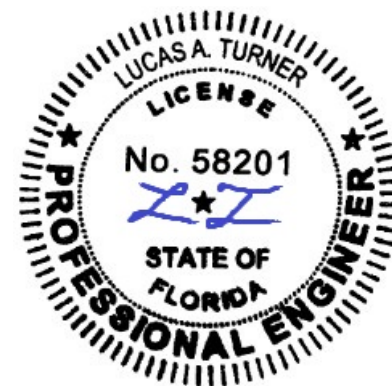
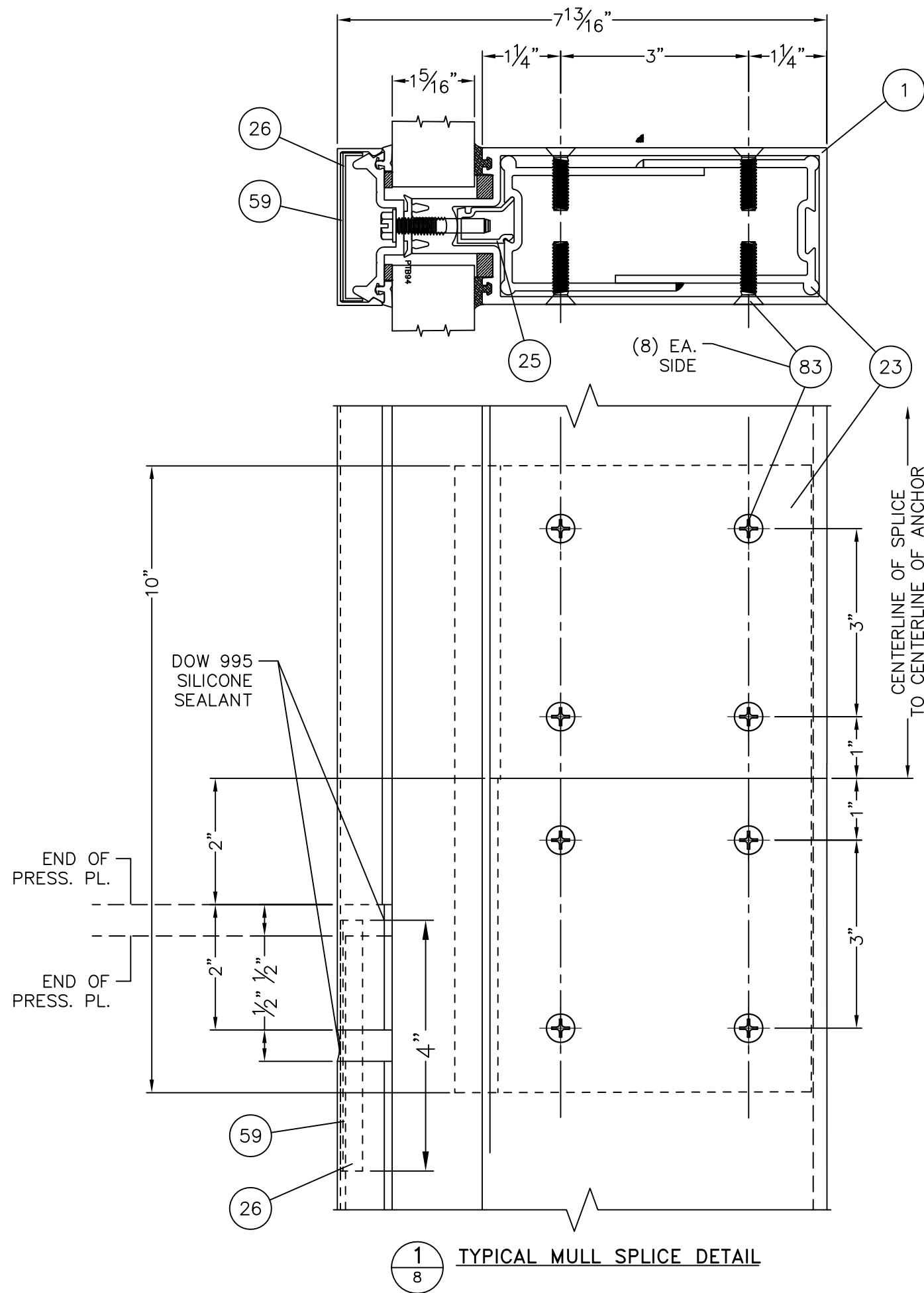
SHEET: 7 OF 14



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1
7 **STRUCTURAL GLAZED OUTSIDE CORNER DETAIL**



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FINAL REVIEW:

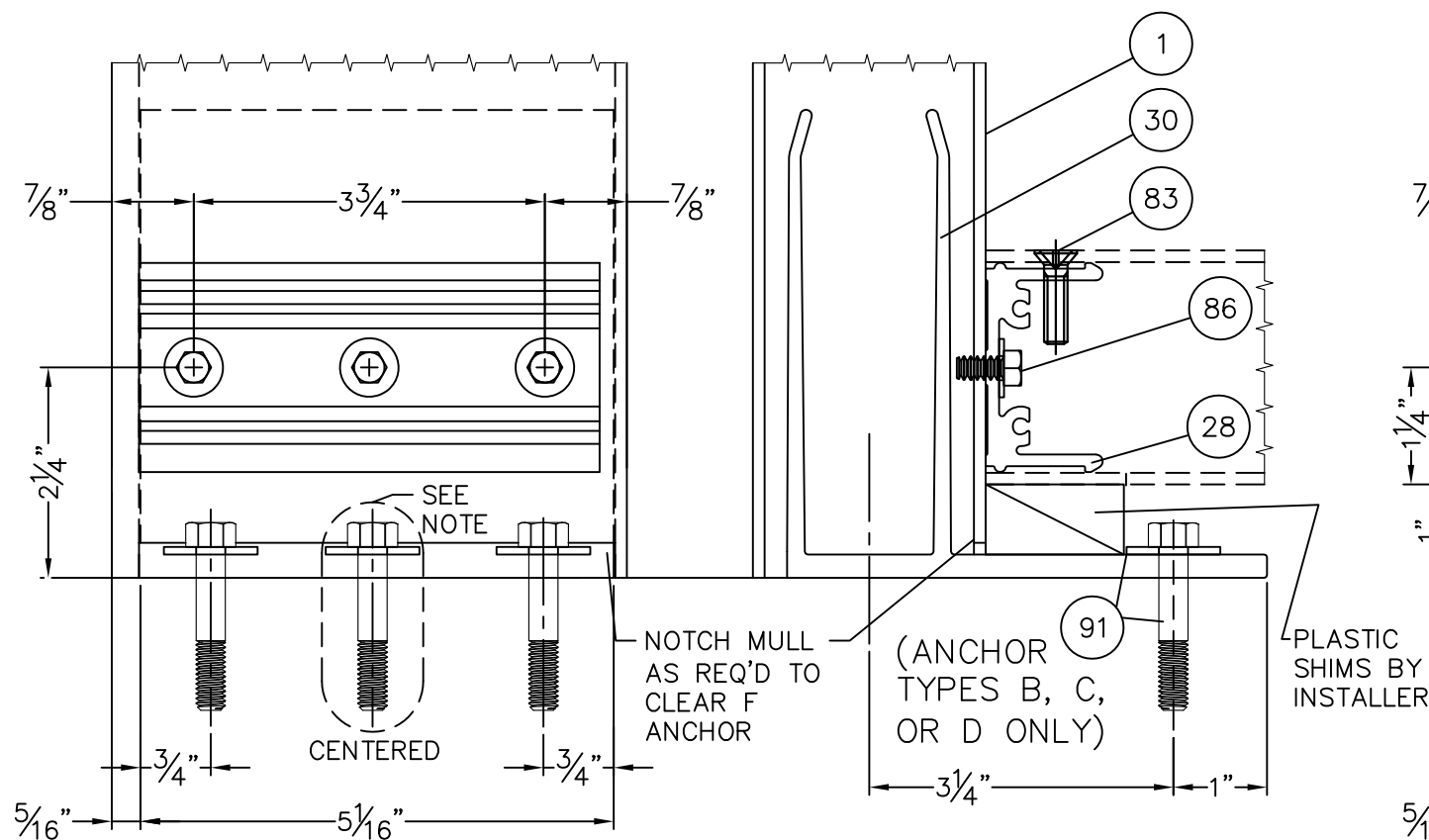
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REVISION: D

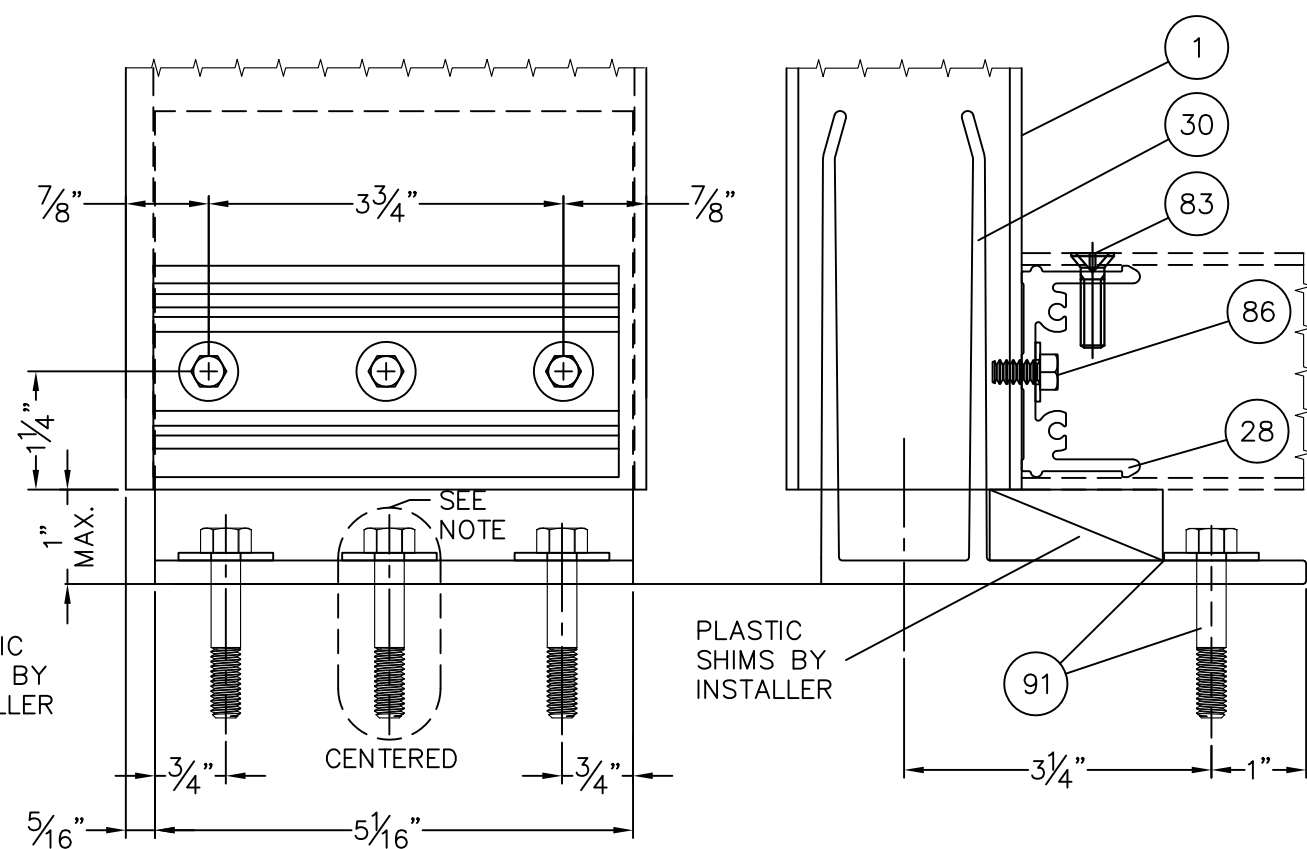
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SPLICE
 JOINT
 DETAILS

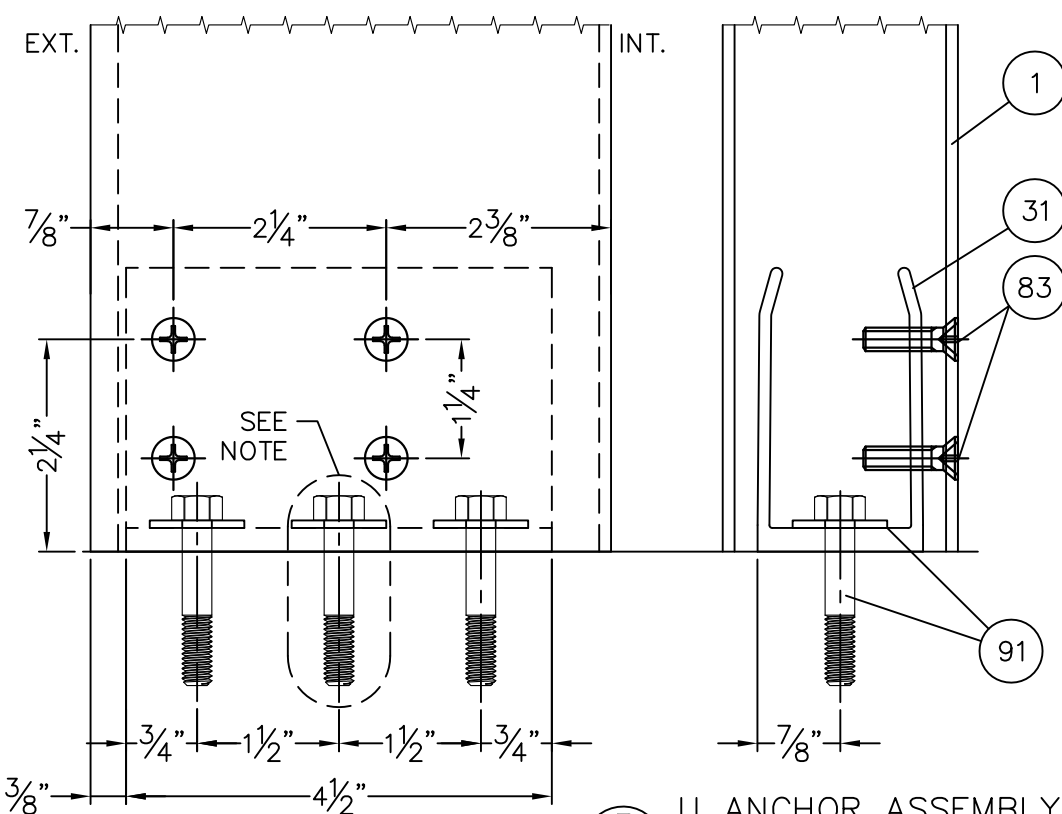
SHEET: 8 OF 14



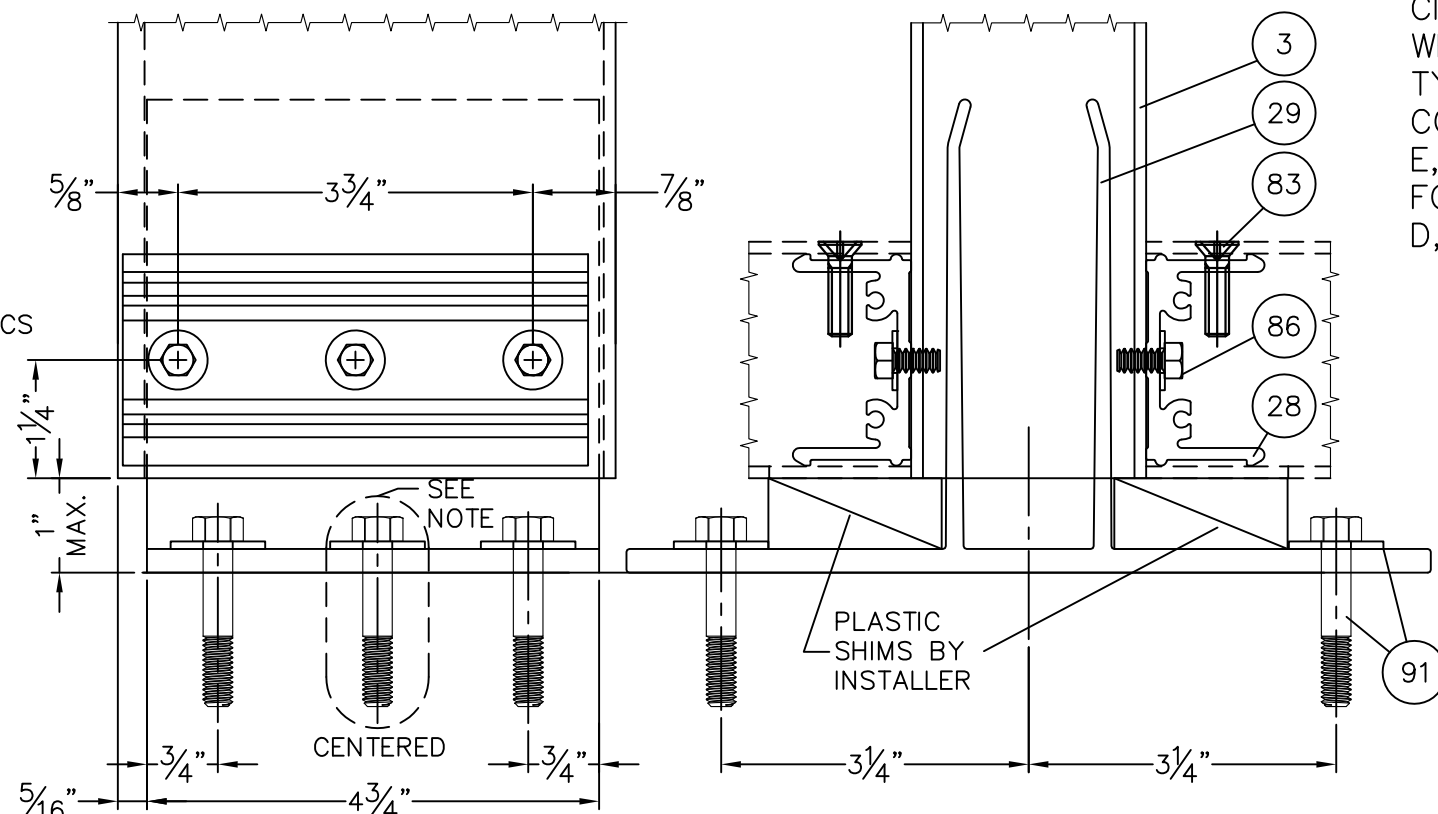
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9 F ANCHOR AND SHEAR BLOCK CLIP ASSEMBLY & INSTALLATION @ DOOR MULL SILL ONLY



2
9 F ANCHOR AND SHEAR BLOCK CLIP ASSEMBLY & INSTALLATION @ JAMB MULL (HEAD AND SILL SIMILAR)

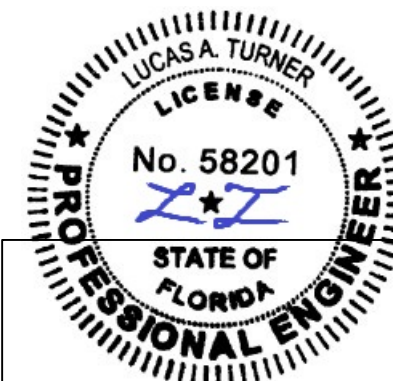


3
9 U ANCHOR ASSEMBLY & INSTALLATION @ DOOR JAMB ONLY



4
9 T ANCHOR AND SHEAR BLOCK CLIP ASSEMBLY & INSTALLATION @ TYP STRUCTURAL MULL (HEAD AND SILL SIM.)

NOTE: DO NOT INSTALL CIRCLED ANCHORS WHEN USING ANCHOR TYPES A OR B IN CONCRETE, SEE TABLE E, SHT 2. INSTALL FOR ANCHOR TYPES C, D, AND E.



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DATE: 05.07.14

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DRAWN:

FINAL REVIEW:

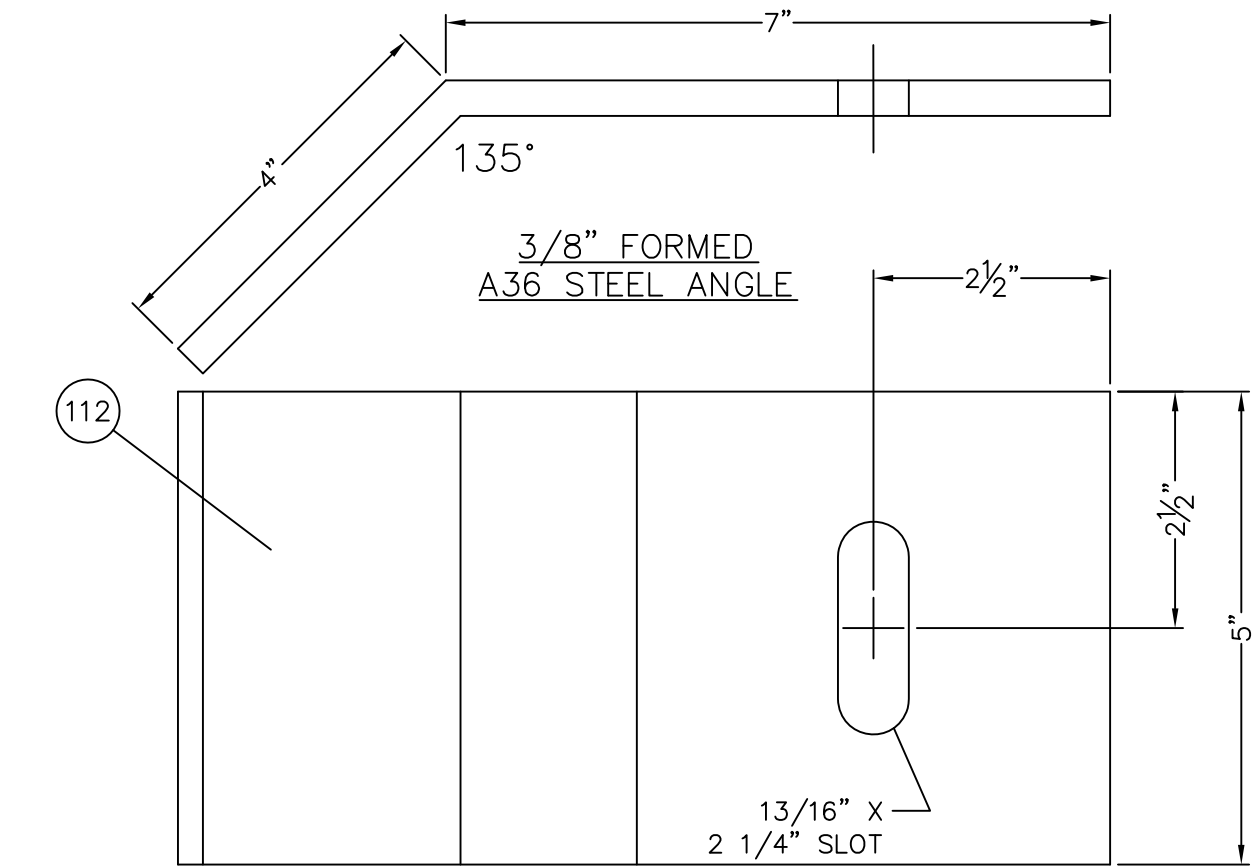
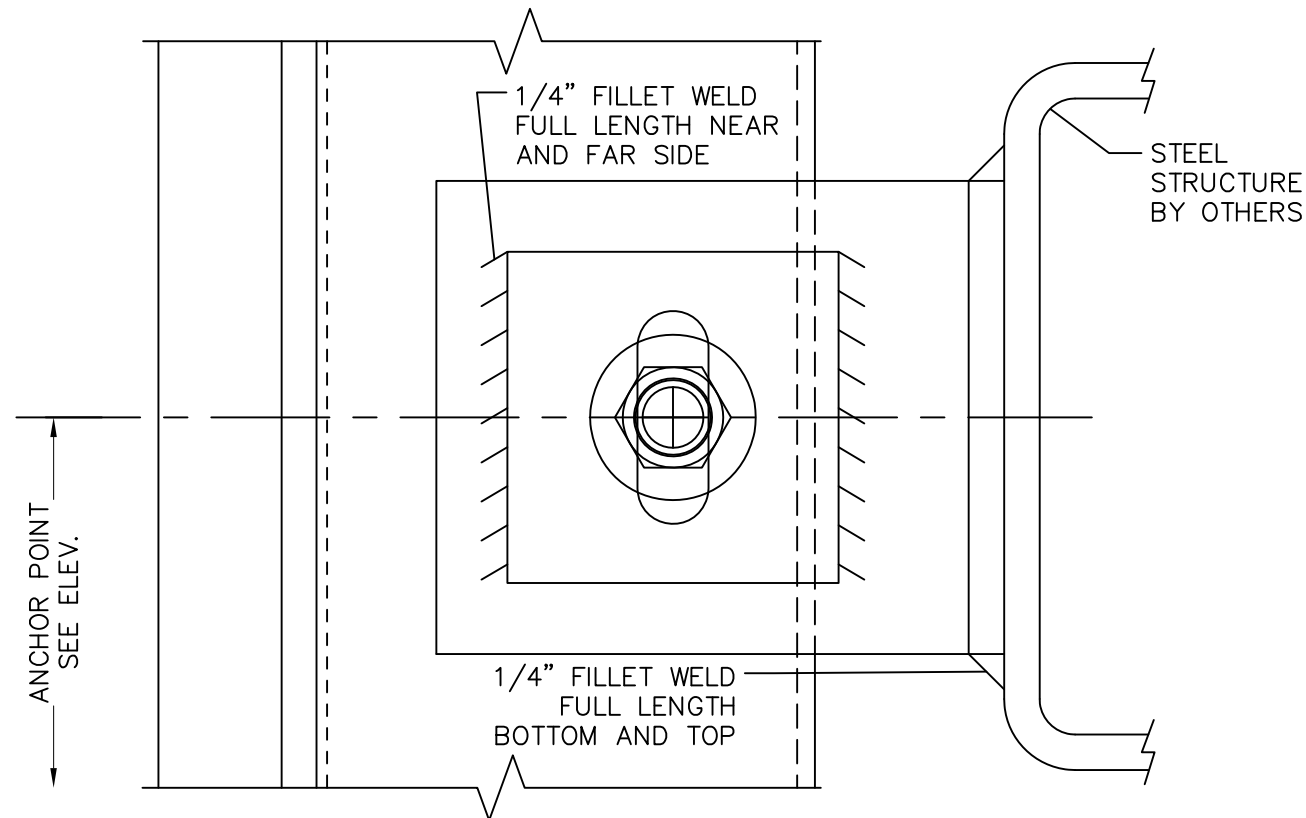
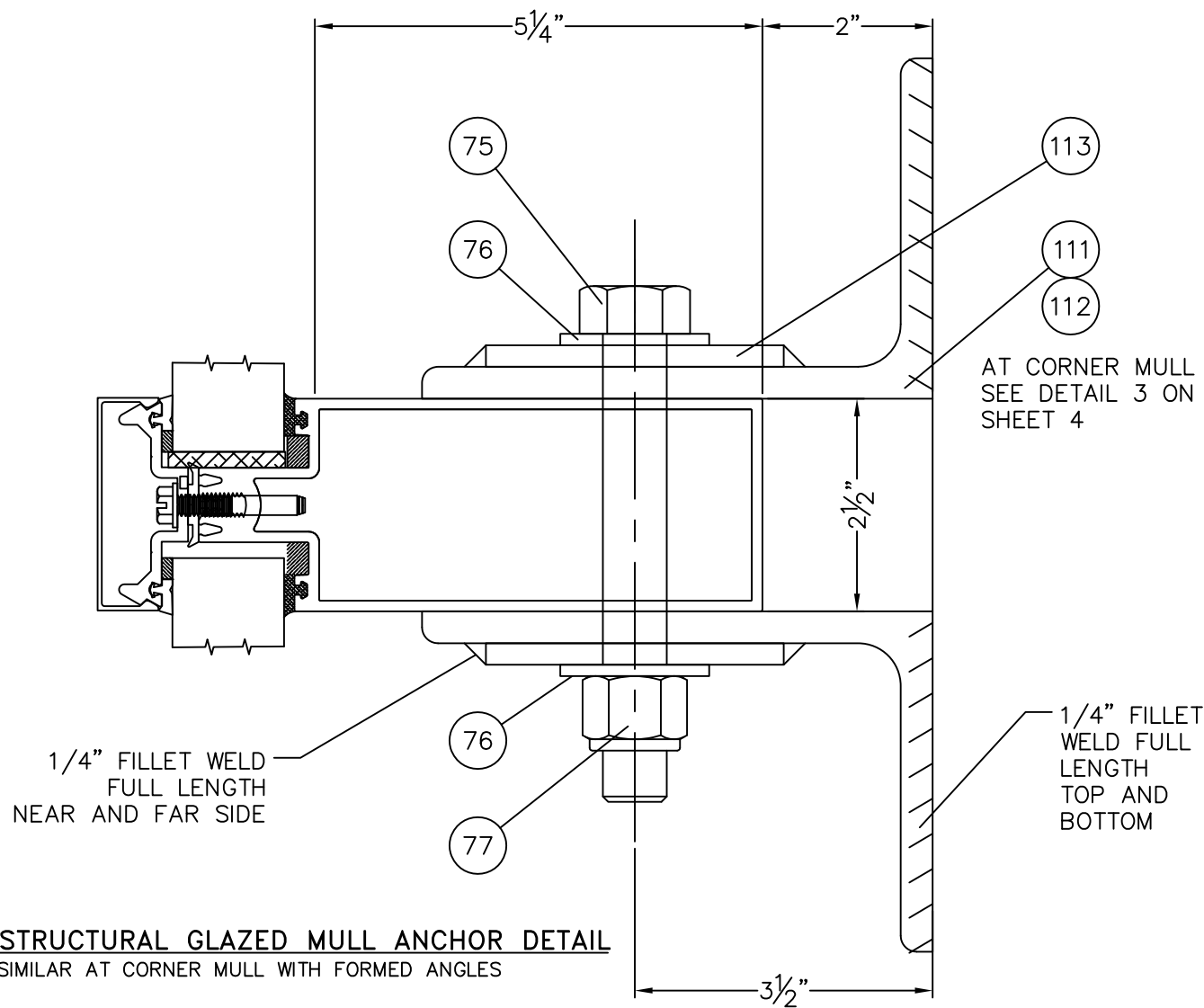
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REVISION: D

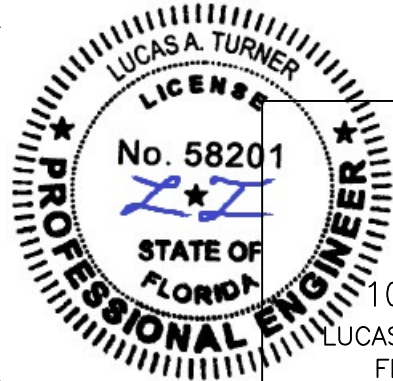
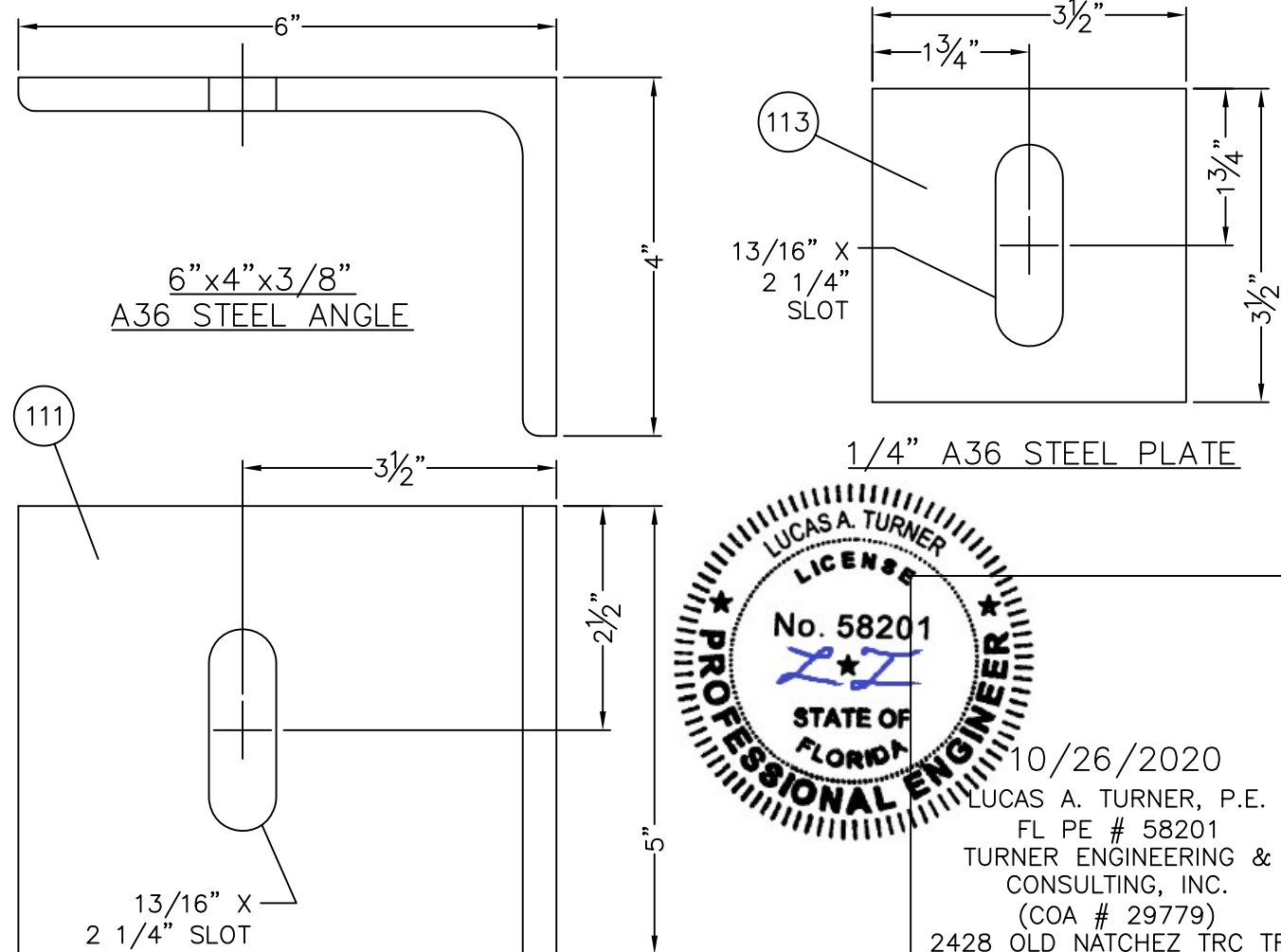
SHEET NAME:

ANCHOR DETAILS

SHEET: 9 OF 14



STEEL ANCHOR PARTS BY OTHERS



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A	2.24.15	ANCHOR REVISIONS	LT
B	8.27.15	ADDED LM TWIN	LT
C	10.5.18	ADDED ANCHOR E	LT
D	10.26.20	FBC CODE UPDATE	LT

DATE: 05.07.14

DRAWING NUMBER: FPA-400-CAP-IMP

DRAWN:

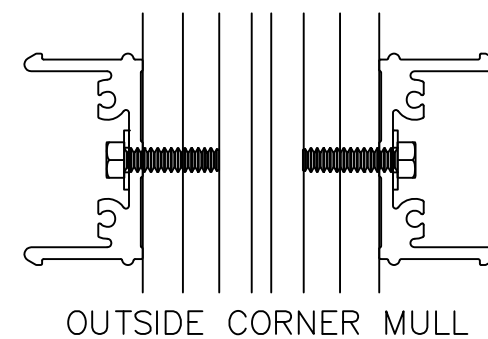
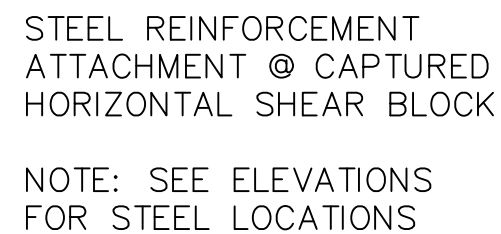
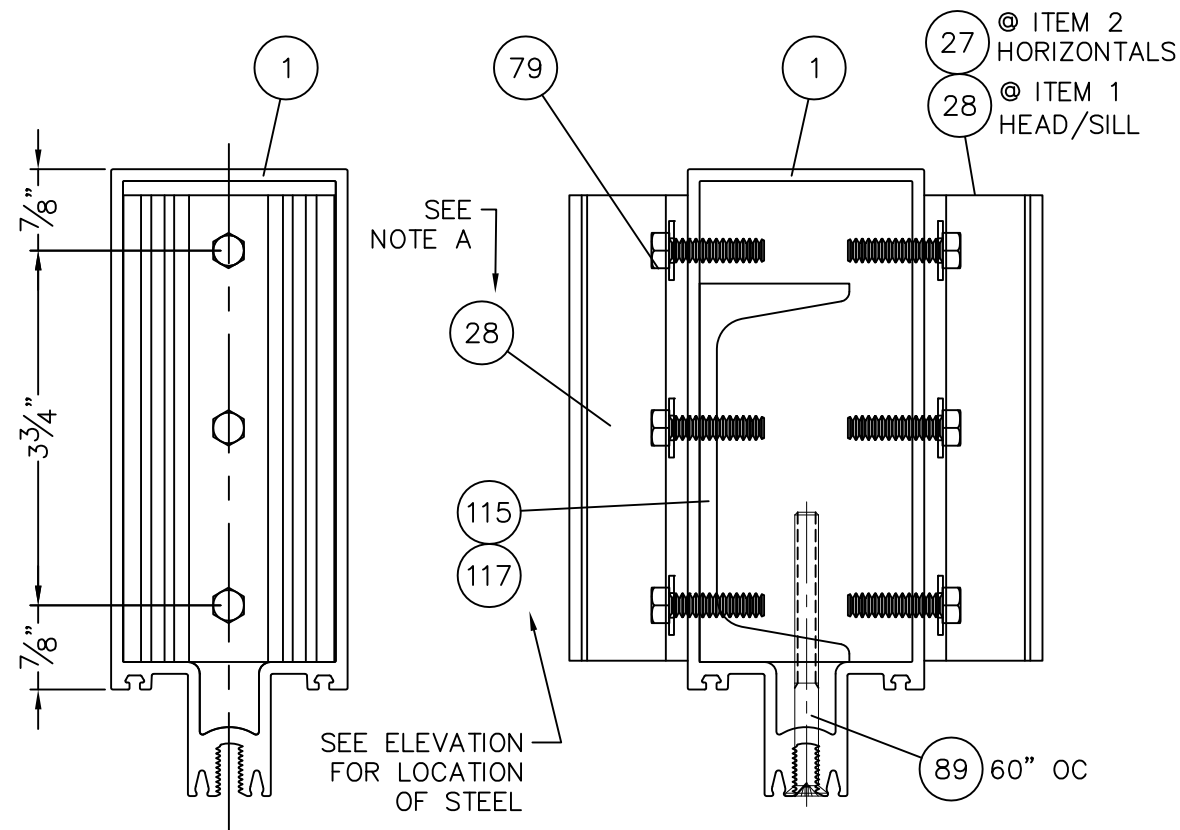
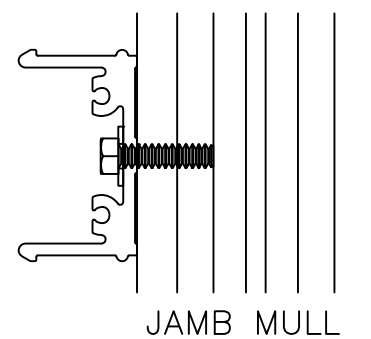
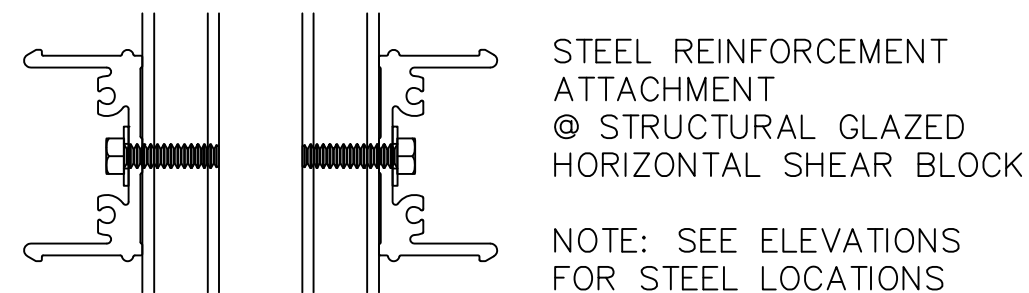
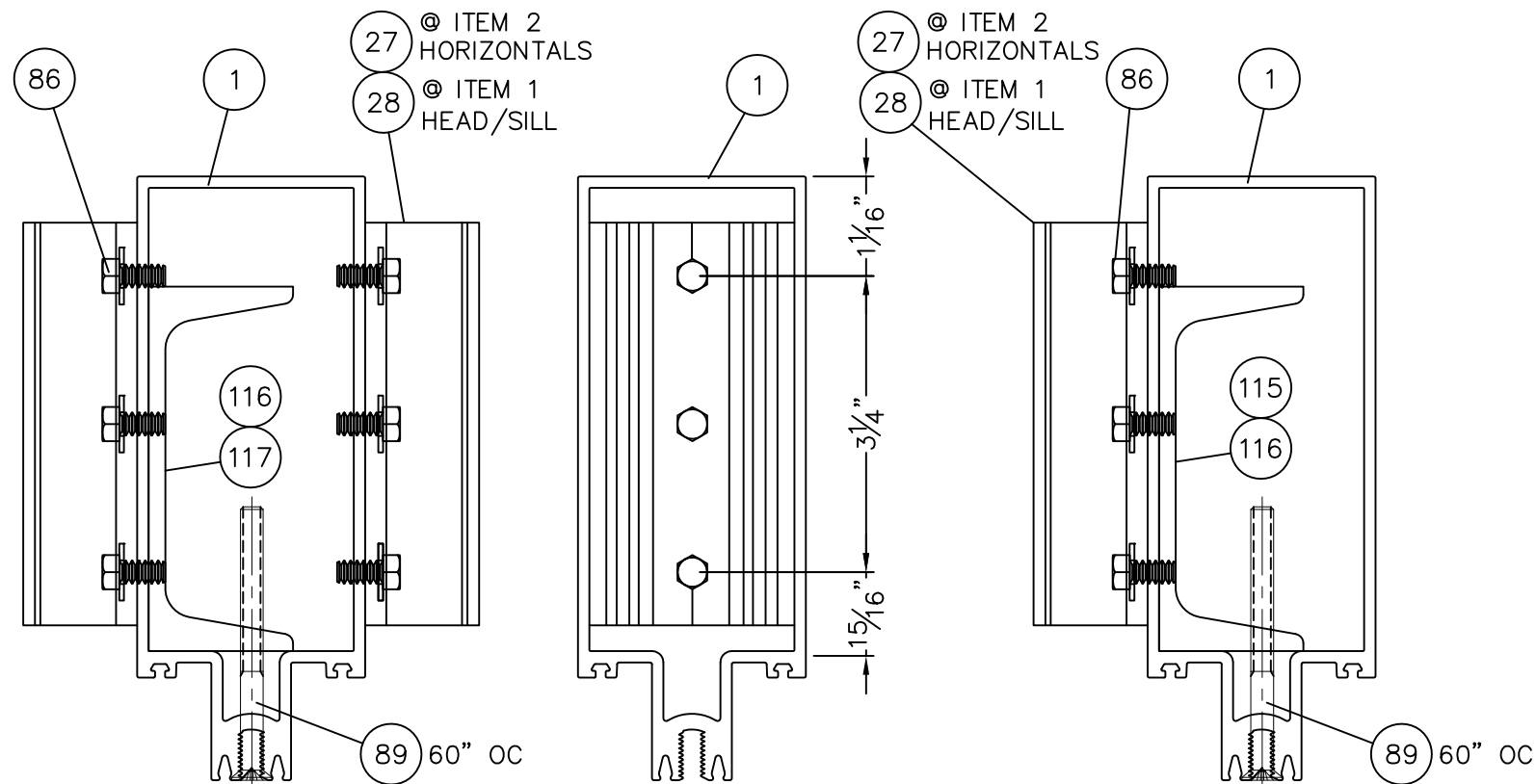
FINAL REVIEW:

SCALE: N.T.S.

REVISION: D

SHEET NAME: ANCHOR DETAILS

SHEET: 10 OF 14



10/26/2020
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(COA # 29779)
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CAMDEN, TN 38320

TUBELITE
CW 400 CAPTURED IMPACT
CURTAIN WALL SYSTEM

3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: 800.866.2227
FX: 616.301.0008
WEB SITE: WWW.TUBELITEINC.COM

TUBELITE
DEPENDABLE
LEADERS IN ECO-EFFICIENT STOREFRONT,
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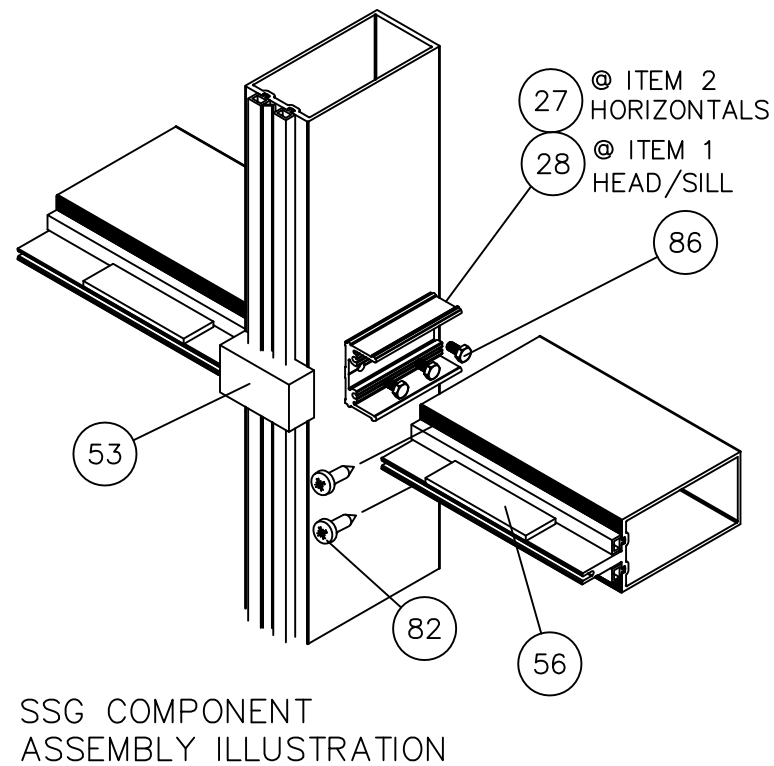
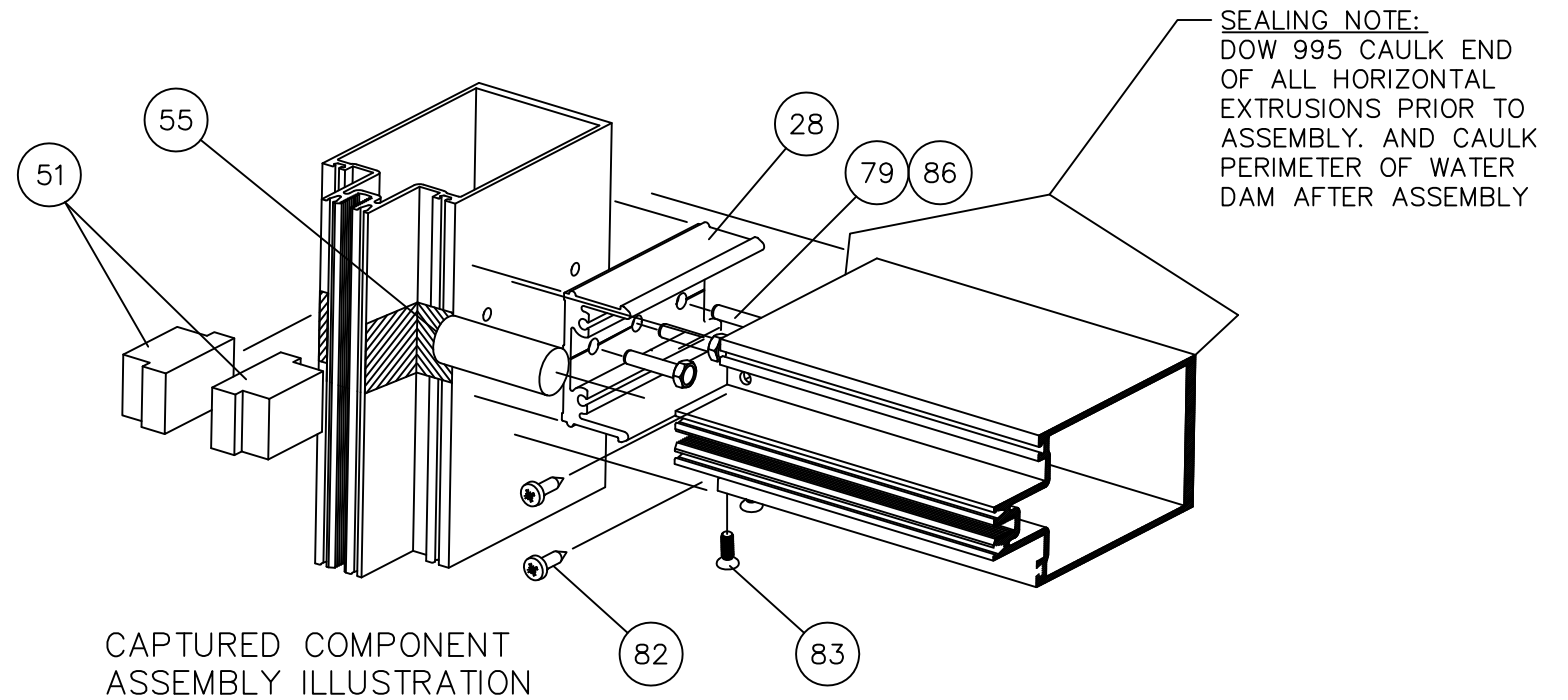
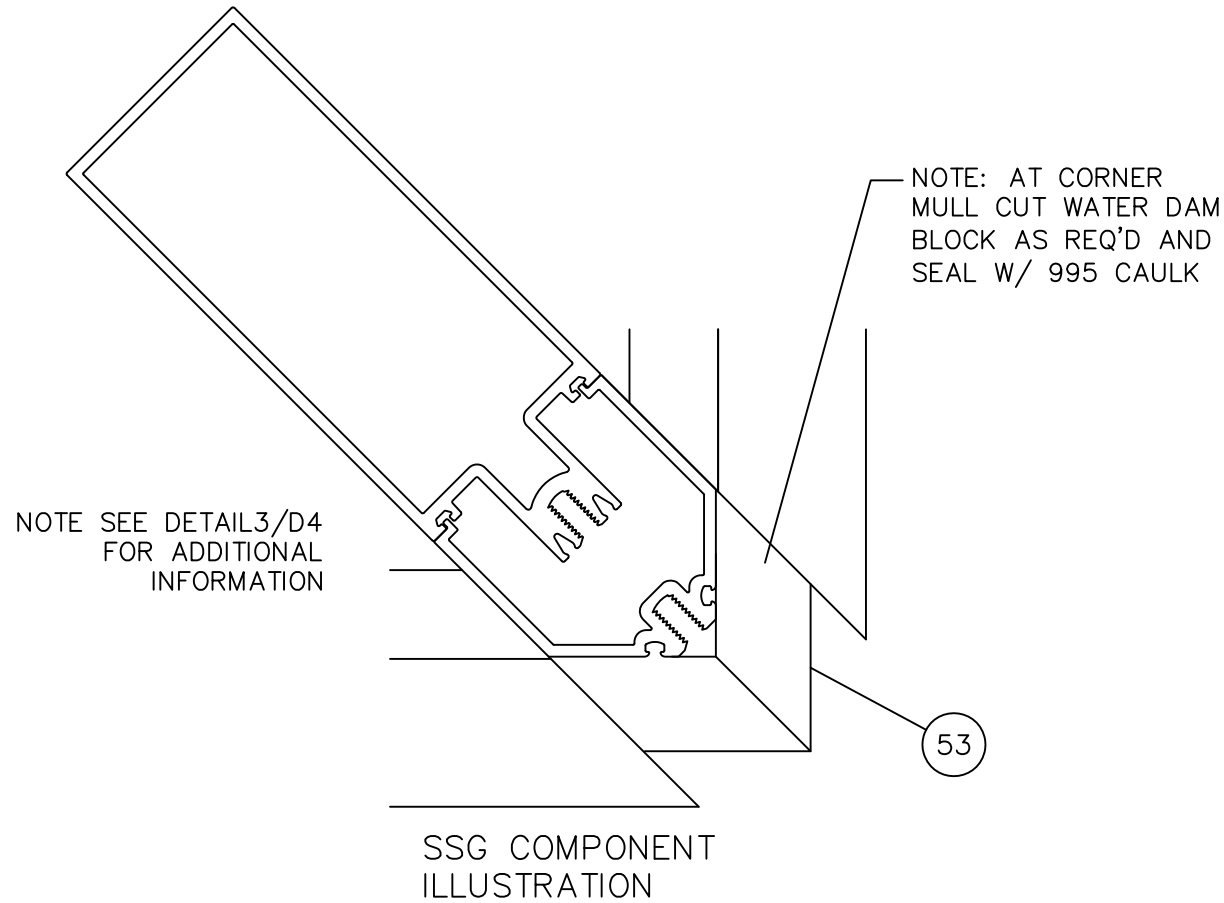
FINAL REVIEW:

SCALE: N.T.S.

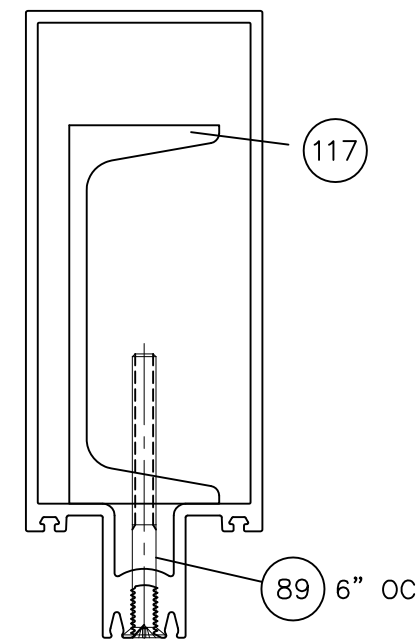
REVISION: D

SHEET NAME:
ASSEMBLY
DETAILS

SHEET: 11 OF 14



STEEL
REINFORCEMENT
ATTACHMENT
© ITEM 117
(24" LG CHANNEL)



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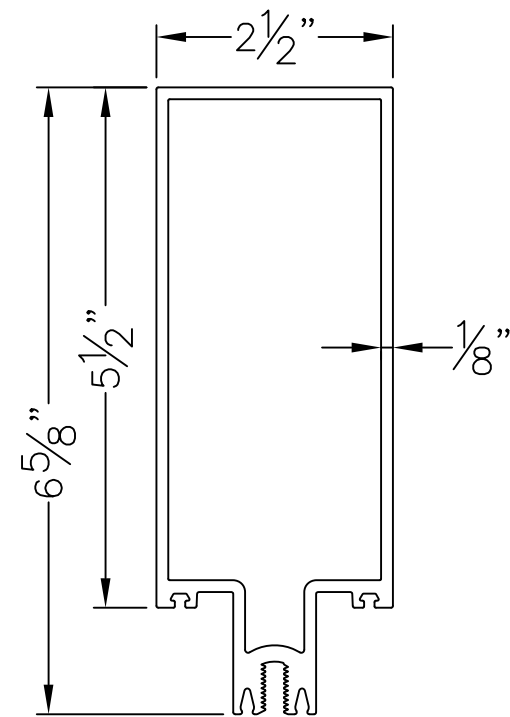
SCALE: N.T.S.

REVISION: D

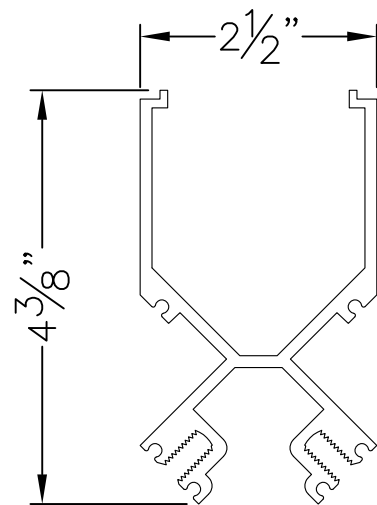
SHEET NAME:

ASSEMBLY
DETAILS

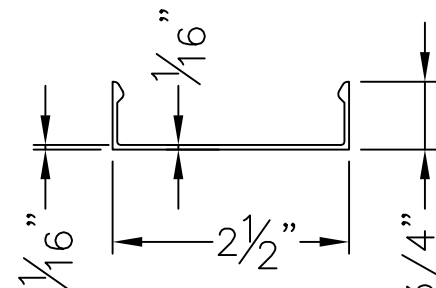
SHEET: 12 OF 14



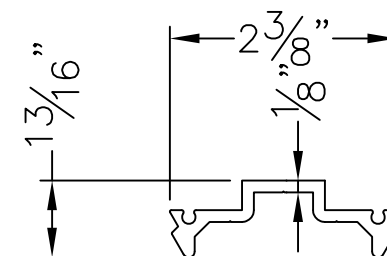
ITEM 1 - E55TB02FS
CURTAINWALL TUBE



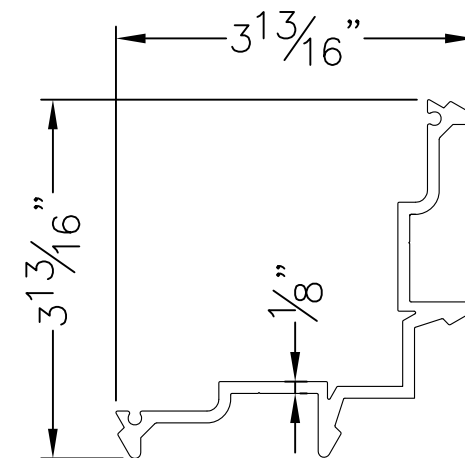
ITEM 5 - E5TB110FS
OUTSIDE CORNER
CAPTURED
CURTAINWALL ADAPTOR



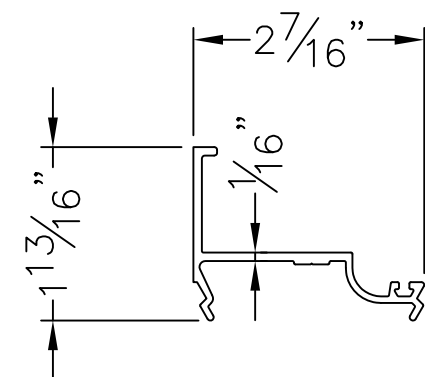
ITEM 6 - E4TB64FS
COVER, FACE
2-1/2 X 3/4



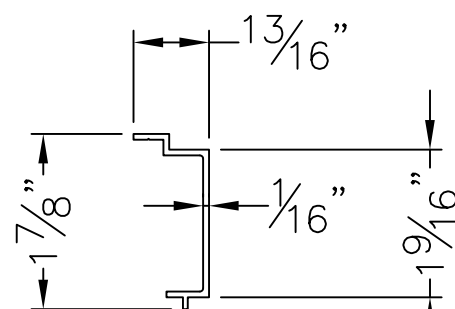
ITEM 8 - E4TB102FS
PRESSURE PLATE
(1 5/16")



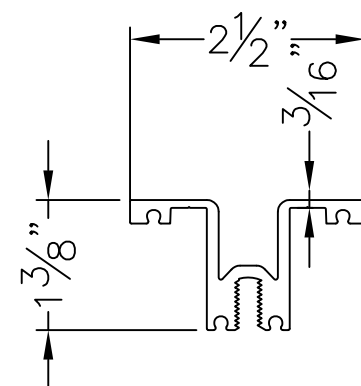
ITEM 9 - E5TB250FS
PRESSURE PLATE
CORNER (1 5/16")



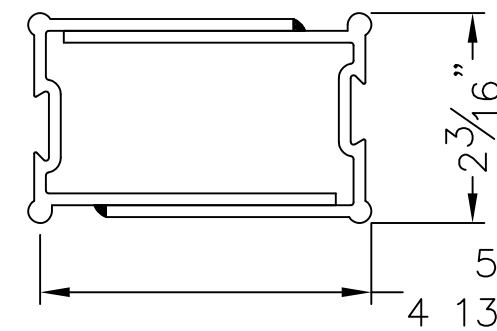
ITEM 10 - E5TB251FS
CURTAINWALL FILLER -
PRESSUE PLATE (1 5/16")



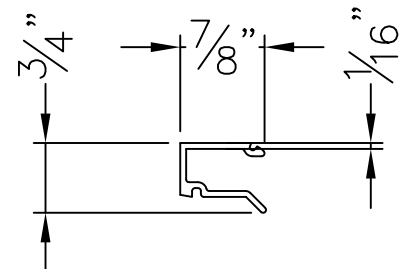
ITEM 13 - E6642FS
GLAZING POCKET
CLOSURE (1 5/16")



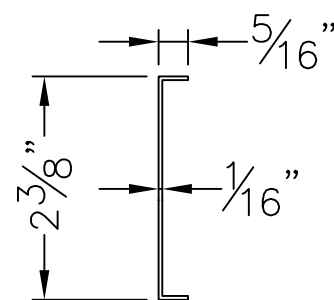
ITEM 16 -
E4TB170FS SCREW
APPLIED HORN



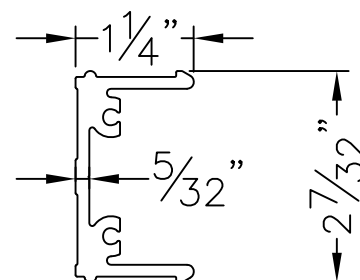
ITEM 23 & 24
P1627D ~ USE WITH ITEM 1
P1627J ~ USE WITH ITEM 3
MULL SPLICE 10" LG



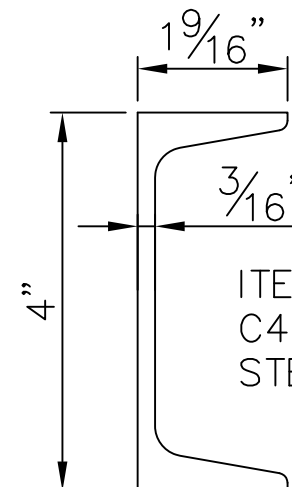
ITEM 25 - P1631
FILLER 10" LG



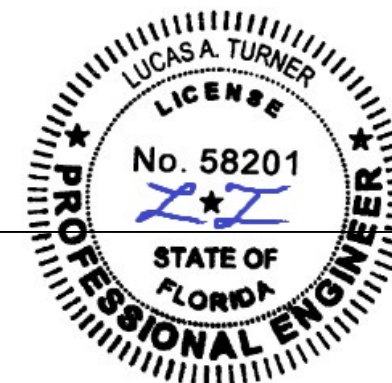
ITEM 26 - P1628B
FACE COVER SPLICE
SLEEVE 4" LG



E4TB113 - EXTRUSION
ITEM 27 - PTB59
ITEM 28 - PTB60
SHEAR BLOCK CLIP



ITEM 115-118
C4 X 5.4 A36
STEEL CHANNEL



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FPA-400-CAP-IMP

DRAWN:

FINAL REVIEW:

SCALE: N.T.S.

REVISION: D

SHEET NAME:

PART DRAWINGS

SHEET: 13 OF 14

CW 400 CAPTURED IMPACT – PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	MATERIAL
1	E55TB02FS	EXTRUSION, TUBE, NON–THERMAL	ALUMINUM – 6063–T6
5	E5TB110FS	EXTRUSION, OUTSIDE CAPTURED CORNER	ALUMINUM – 6063–T5
6	E4TB64FS	EXTRUSION, COVER, FACE, 2–1/2 X ¾	ALUMINUM – 6063–T5
8	M4TB102FS	EXTRUSION, PRESSURE PLATE OFFSET (1 5/16”)	ALUMINUM – 6063–T5
9	E5TB250FS	EXTRUSION, OUTSIDE CORNER PRESS. PL (1 5/16”)	
10	M5TB251FS	EXTRUSION, FILLER–PRESSURE PLATE (1 5/16”)	ALUMINUM – 6063–T5
13	E6642FS	EXTRUSION, GLAZING POCKET FILLER (1 5/16”)	ALUMINUM – 6063–T5
16	E4TB170FS	EXTRUSION, SCREW APPLIED HORN	ALUMINUM – 6063–T5
23	P1627D	MULL SPLICE FOR ITEM 1	ALUMINUM – 6063–T5
24	P1627J	MULL SPLICE FOR ITEM 3	ALUMINUM – 6063–T5
25	P1631	MULL SPLICE FILLER FOR ITEM 1	ALUMINUM – 6063–T5
26	P1628B	FACE COVER SPLICE SLEEVE	ALUMINUM – 6063–T5
27	PTB59F	SHEAR BLOCK	ALUMINUM – 6063–T5
28	PTB60F	SHEAR BLOCK	ALUMINUM – 6063–T5
29	PTB21A/B	ANCHOR, ‘T’ CUT & PRE–DRILLED. LG P/N A=4.761”, B=5.053”	ALUMINUM – 6063–T6
30	PTB20A/B	ANCHOR, ‘F’ CUT & PRE–DRILLED. LG P/N A=4.761”, B=5.053”	ALUMINUM – 6063–T6
31	PTB22	ANCHOR, ‘U’ CUT & PRE–DRILLED	ALUMINUM – 6063–T6
47	PTB42	WEEP BAFFLE	P–PART – FOAM
48	PTB94	GASKET, THERMAL BARRIER, EPG (PRESSURE PLATE)	P–PART – RUBBER
49	PTB28	GLAZING, FIXED, ½ THICK (CW)	P–PART – RUBBER
50	PTB75	GASKET, STRUCTURAL GLAZING	P–PART – RUBBER
51	PTB93	WATER DAM SINGLE POCKET	P–PART – RUBBER
53	PTB76A	WATER DAM 1”	P–PART – RUBBER
55	P1094	ROD, ETHAFOAM ¾” DIA X 2” LONG	P–PART – FOAM
56	P6550	BLOCK, SETTING, 3/16” x 1 5/16” x 4” LG	P–PART – SILICONE
57	P6551	GLAZING TAPE 1/4 x 3/8 (THERMALBOND V2100 OR V2200)	P–PART – FOAM
58	P6552	GLAZING TAPE 1/8 x 1/4 (THERMALBOND V2100 OR V2200)	P–PART – FOAM
59	BY OTHERS	TWO FACE TAPE	P–PART – FOAM
61	TREMCO SGT 922	GLAZING TAPE 1/4 x 3/8	P–PART – FOAM
62	TREMCO SGT 922	GLAZING TAPE 1/8 x 1/4	P–PART – FOAM
75	BY OTHERS	BOLT, 3/4–10 X 5 1/4 HEX HEAD CLASS 2A	P–PART – FASTENER
76	BY OTHERS	3/4 FLAT WASHER	P–PART – FASTENER
77	BY OTHERS	3/4–10 HEX HEAD NYLOCK NUT	P–PART – FASTENER
78	S207	SCREW, 10–24 X 1 1/4 FLAT HEAD PHIL	P–PART – FASTENER
79	S328	SCREW, 1/4–20 X 1 HEX HEAD TYPE D (shear block)	P–PART – FASTENER
82	S270	SCREW, 10–24 X ¾ PAN HEAD PHIL, SS (shear block)	P–PART – FASTENER
83	S6505	SCREW, 1/4–20 X 3/4 FLAT HEAD CLASS 2A (shear blk & mull splice)	P–PART – FASTENER
84	S359	SCREW, 1/4–20 1–1/2 HEX HD TYPE F (pres plate)	P–PART – FASTENER
85	S191	SCREW, 10–24 X ½ TRUSS HEAD PHIL (horiz mull & dr stop)	P–PART – FASTENER
86	S139	SCREW, 1/4–20 X ½ HEX HEAD TYPE B (shear blk & subframe no shim)	P–PART – FASTENER
87	S369	SCREW, 1/4–20 3/4 HEX HD TYPE CA (pres plate & subframe w/ shim)	P–PART – FASTENER
88	S131	SCREW, 8–32 5/16 FLAT HEAD PHIL (lock face plate)	P–PART – FASTENER
89	S155	SCREW, 1/4–20 X 3” FLAT HEAD PHIL (reinforcing steel)	P–PART – FASTENER
90	S6509	SCREW, 6–32 X 1–1/4 FLAT HEAD CLASS 2A (shear blk & mull splice)	
91	BY OTHERS	INSTALLATION ANCHORS AND WASHERS, SEE TABLE E, SHEET 2	
96	S211	SCREW, 1/4–20 X 2 1/4 PAN HEAD PHIL, SS	P–PART – FASTENER

ITEM	PART NUMBER	DESCRIPTION	MATERIAL
99	BY OTHERS	DOW 795 SILICONE BUILDING SEALANT	
100	BY OTHERS	DOW 995 SILICONE SEALANT BLACK – STRUCTURAL GLAZING	
101	BY OTHERS	3/4 ø BACKER ROD– STRUCTURAL GLAZING	
102	BY OTHERS	1 1/4 ø BACKER ROD– STRUCTURAL GLAZING	
108	P6600	TUBE, 2”x4”x11 GA (.120) WALL (120” LG)	A36 STEEL
109	P6601	TUBE, 2”x4”x1/4” WALL (120” LG)	A36 STEEL
110	P6602	TUBE, 2”x4”x5/16” WALL (120” LG)	A36 STEEL
111	P6603	ANGLE 6”x4”x3/8”	A36 STEEL
112	P6604	FORMED ANGLE 7”x4”x3/8”	A36 STEEL
113	P6605	PLATE 3 1/2”x3 1/2”	A36 STEEL
115	P6606	CHANNEL C4x5.4 (84” LG)	A36 STEEL
116	P6607	CHANNEL C4x5.4 (198” LG)	A36 STEEL
117	P6608	CHANNEL C4x5.4 (24” LG)	A36 STEEL
118	P6609	CHANNEL C4x5.4 (120” LG)	A36 STEEL

ITEM 29 – PTB21
T ANCHOR

ITEM 30 – PTB20
F ANCHOR

ITEM 31 – PTB22
U ANCHOR

ITEM 108 P6600
2”X4”x .120
A36 STEEL TUBE

ITEM 109 P6601
2”x4”x 1/4”
A36 STEEL TUBE

ITEM 110 P6602
2”x4”x 5/16”
A36 STEEL TUBE

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SHEET NAME: BOM, PART DWGS

SHEET: 14 OF 14