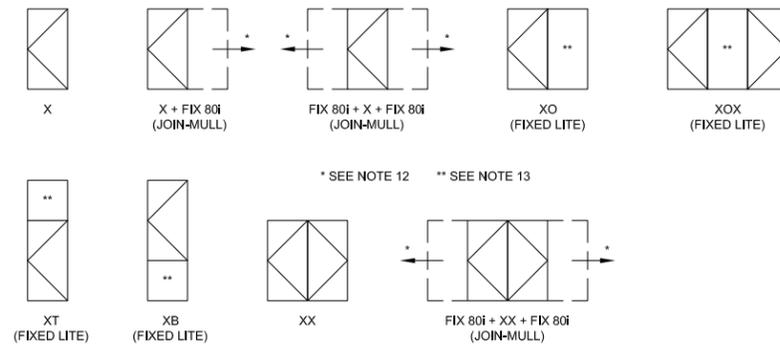


**GENERAL NOTES**

- THE PRODUCT SHOWN HEREIN CONSTRUCTED FROM LUXVIEW THERMALLY BROKEN ALUMINUM FRAMES HAS BEEN TESTED TO TIA201/202/203-94, AIAA/WDMA/CSA 1011/S.2/A440-08/11/17, ASTM E 1886-19, AND ASTM E 1996-20, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 8TH EDITION (2023), INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
- THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
- THE DESIGN PRESSURES INDICATED IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.
- THIS DOCUMENT ADDRESSES PRODUCT ANCHORAGE TO ACHIEVE THE INDICATED DESIGN PRESSURES AT THE INDICATED SIZES. IN THE CONFIGURATION SHOWN IN THE ELEVATIONS, INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN AS INDICATED IN TABLE 1.
- THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
- THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ), BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. WITH MASONRY OPENINGS, WOOD BUCKS ARE OPTIONAL.
- DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT.
- ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
- ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
- SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.
- FOR ADDITIONAL REQUIREMENTS SEE GENERAL ANCHOR NOTES, SHEET 2.
- CASEMENT 80i MAY BE MULLED INDEFINITELY WITH ADDITIONAL FIX 80i UNITS. SEE SEPARATE LUXVIEW APPROVAL FOR FIX 80i SIZE AND MULL REQUIREMENTS. APPROVED DESIGN PRESSURE LIMITED TO LESSER OF CASEMENT 80i AND FIX 80i.
- DLO WIDTH MAY INCREASE AS WINDOW HEIGHT DECREASES, IF APPROVED BY SEPARATE ANALYSIS. FIXED LITE DLO AREA (DLO WIDTH \* DLO HEIGHT) NOT TO EXCEED 21.6 FT<sup>2</sup>.
- HANDLE IS TYPICALLY INSTALLED IN CENTER OF CASEMENT. LOWEST ALLOWABLE HANDLE POSITION IS 18" FROM BOTTOM.

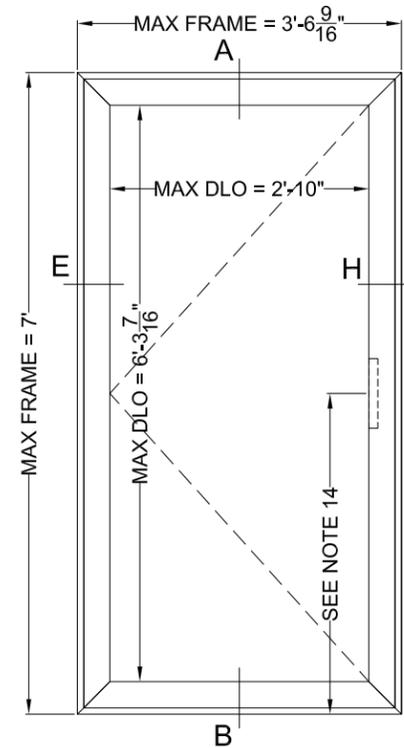
CONFIGURATION	DESIGN PRESSURE	IMPACT RATING
CASEMENT 80i X OR XX	+80/-80	LARGE AND SMALL MISSILE IMPACT
CASEMENT 80i w/ FIXED LITE	+54/-54	LARGE AND SMALL MISSILE IMPACT

**CONFIGURATION OPTIONS**  
(ALL CONFIGS CAN BE OPPOSITE HANDED)



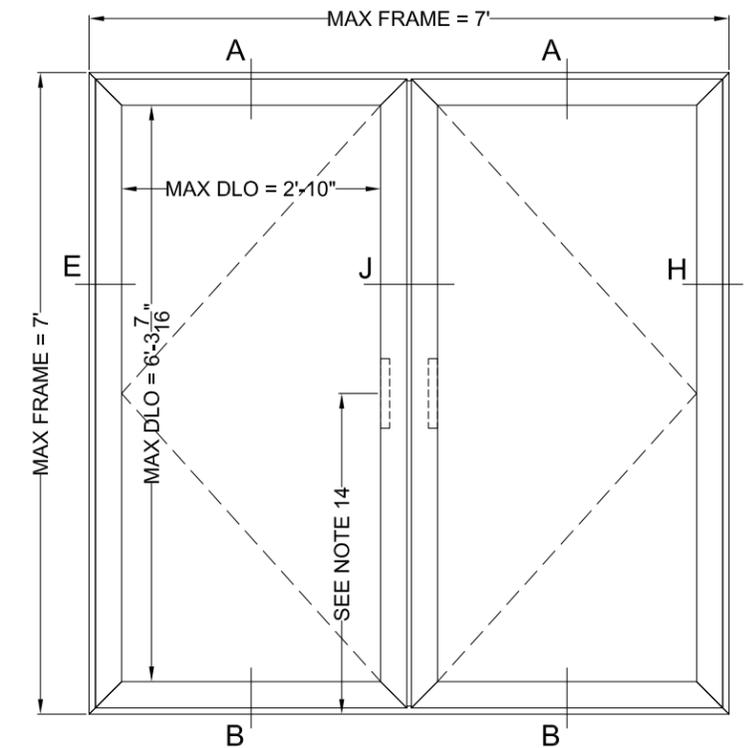
**LUXVIEW CASEMENT 80i: X**

(OPENS TO EXTERIOR)



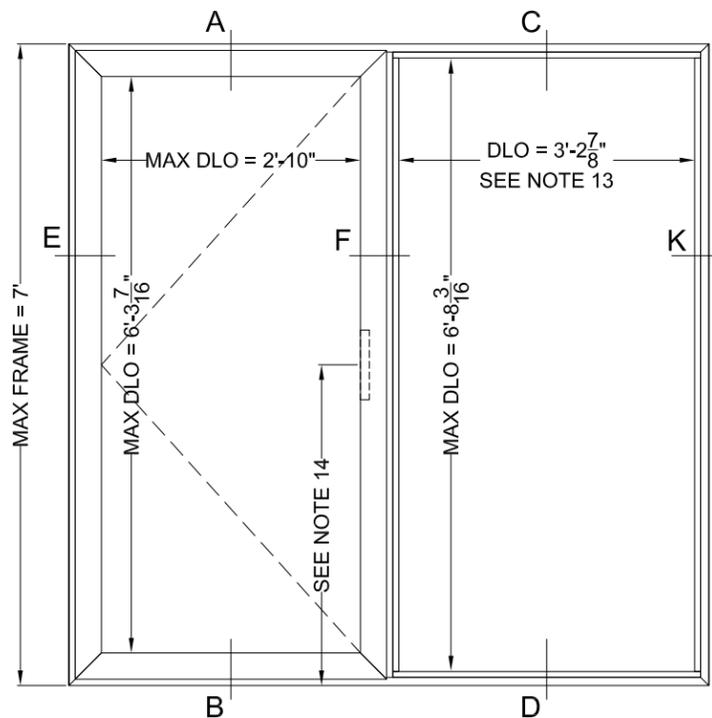
**LUXVIEW CASEMENT 80i: XX**

(OPENS TO EXTERIOR)



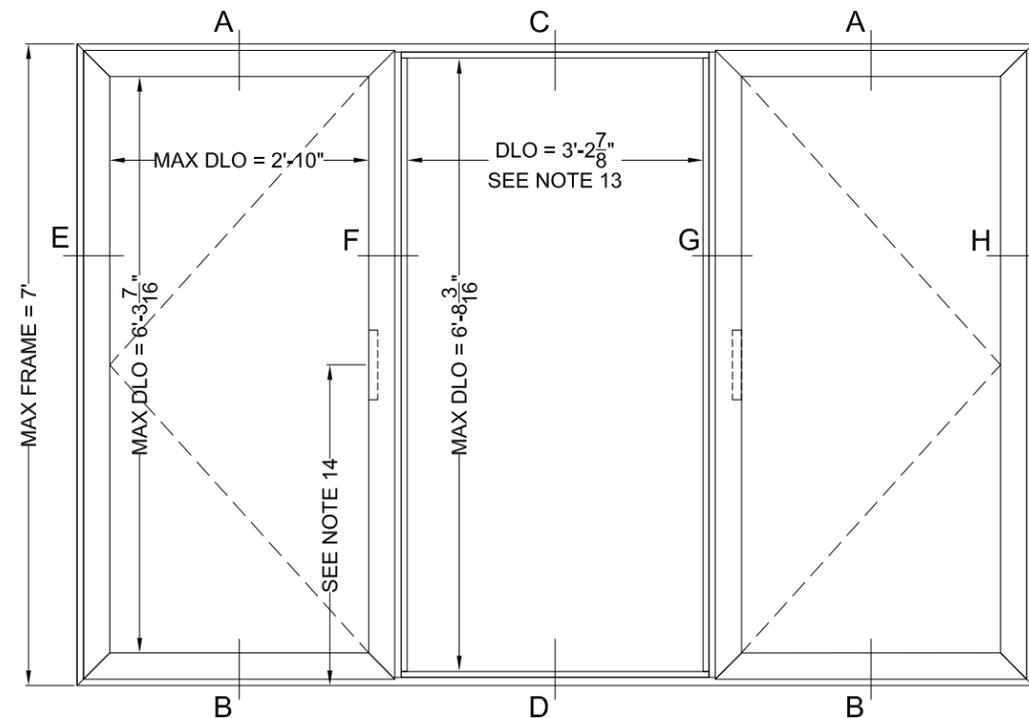
**LUXVIEW CASEMENT 80i: XO**

(OPENS TO EXTERIOR)



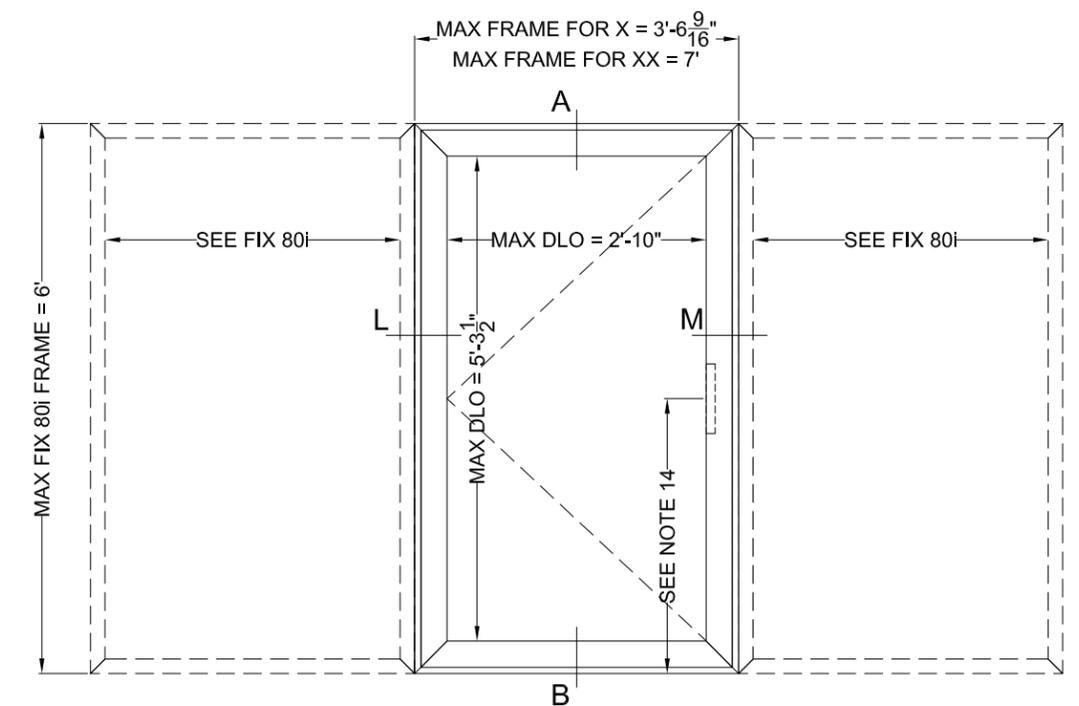
**LUXVIEW CASEMENT 80i: XOX**

(OPENS TO EXTERIOR)



**LUXVIEW CASEMENT 80i: FIX 80i + X + FIX 80i**

(OPENS TO EXTERIOR)



9/10/2025  
LUCAS TURNER, FL PE 58201  
TURNER ENGINEERING &  
CONSULTING, INC.  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574



Scale:  
NOT TO SCALE  
Sheet #:  
1 of 5

Drawing Title:  
**LUXVIEW CASEMENT 80i**

Drawing Number:  
FPA-CASEMENT80i  
Drawn By:  
RP

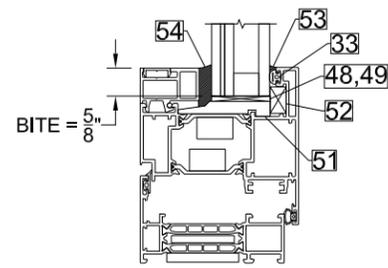
Reviewed By:  
CAC

Revision:  
00  
Date:  
09.02.2025

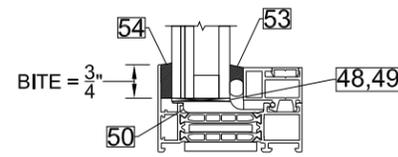
**LUXVIEW**

LuxView Proprietary  
Copyright 2025 LuxView LLC

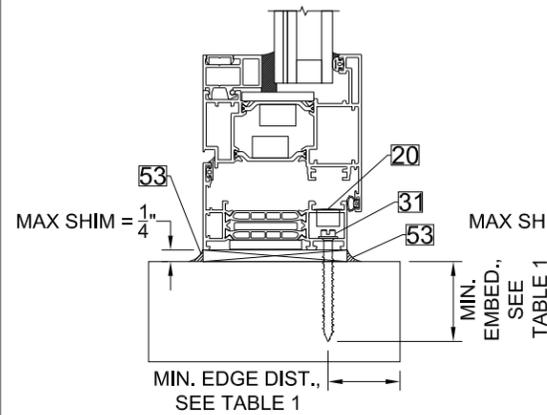
GLASS = 1-1/4" OA (1/4" FT + 1/2" PHSS + 1/4" HS + .090 SGP + 1/4" HS)



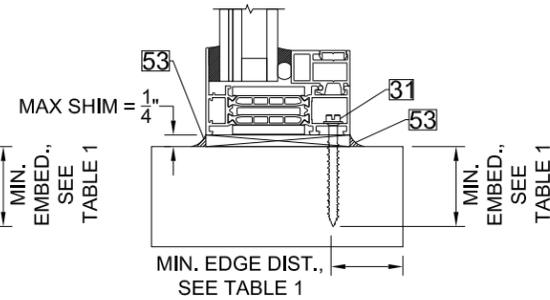
TYPICAL SASH  
GLAZING DETAIL



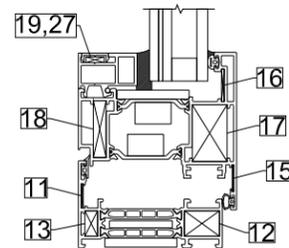
TYPICAL SIDELITE  
GLAZING DETAIL



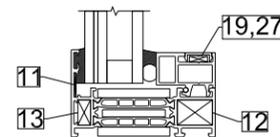
TYPICAL SASH  
ANCHOR DETAIL



TYPICAL SIDELITE  
ANCHOR DETAIL



TYPICAL SASH  
CLEAT DETAIL

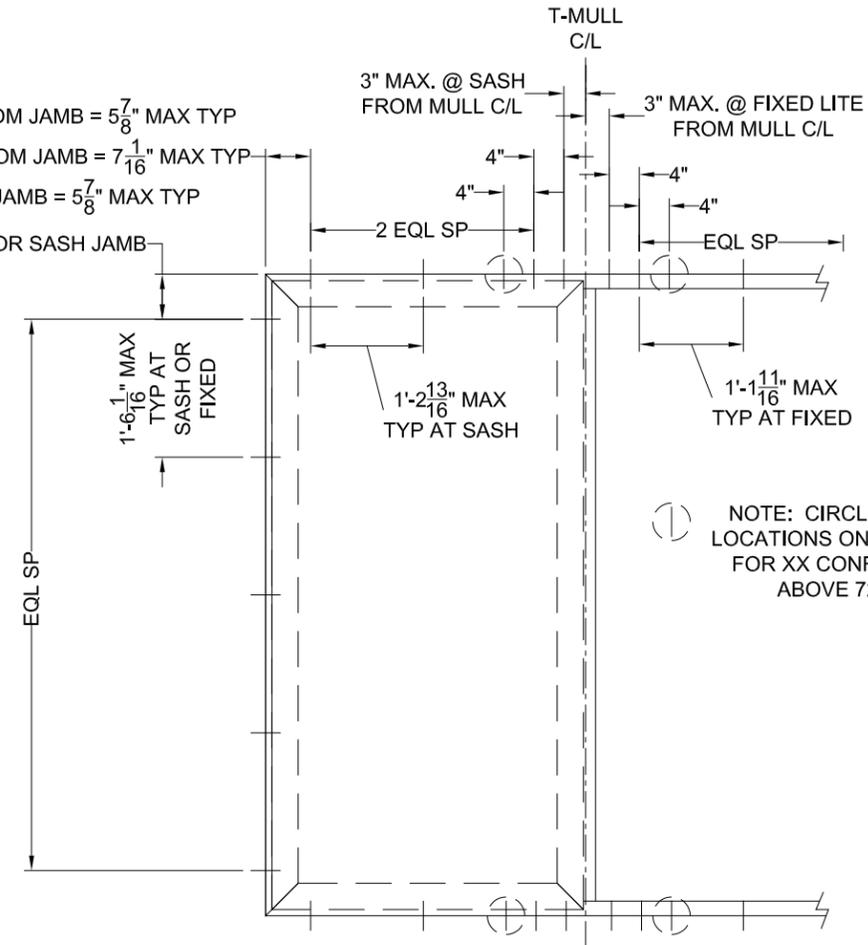


TYPICAL SIDELITE  
CLEAT DETAIL

9/10/2025  
LUCAS TURNER, FL PE 58201  
TURNER ENGINEERING &  
CONSULTING, INC.  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574



SASH HINGE SIDE FROM JAMB = 5 7/8" MAX TYP  
SASH HANDLE SIDE FROM JAMB = 7 1/16" MAX TYP  
FIXED LITE FROM JAMB = 5 7/8" MAX TYP  
5 7/8" MAX TYP AT FIXED OR SASH JAMB



TYP ANCHOR LAYOUT

NOTE: CIRCLED ANCHOR  
LOCATIONS ONLY REQUIRED  
FOR XX CONFIGURATION  
ABOVE 72" TALL.

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE			
NOTE: ALL ANCHORS TO BE PAN HEAD, HEX/WASHER HEAD, OR FLAT HEAD WITH SUPPLEMENTAL STAINLESS WASHER OF EQUIVALENT DIAMETER TO HEX/WASHER HEAD			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DISTANCE
CONCRETE (3.05 KSI MIN)	1/4" DEWALT ULTRACON+	1-3/8"	1"
GROUT-FILLED CMU (ASTM C-90)	1/4" DEWALT ULTRACON+	1-3/4"	1"
HOLLOW CMU (ASTM C-90)	1/4" DEWALT ULTRACON+	1-1/4"	2-1/2"
2X MIN. SPRUCE-PINE-FIR WOOD (G=0.42 MIN.)	1/4" DEWALT ULTRACON+	1-3/8"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	1/4"-14 HILTI KWIK-FLEX OR TEKS SELF-DRILLING SCREW	FULL+ 3 THREADS	1/2"

- GENERAL ANCHOR NOTES:
- INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
  - SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
  - SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS, FOR ATTACHMENT TO METAL SUBSTRATES ENSURE FULL THREAD ENGAGEMENT
  - FOR MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS AND INTO MASONRY. WOOD BUCKS ARE OPTIONAL WITH MASONRY INSTALLATIONS WHERE MASONRY EDGE DISTANCE CONDITIONS ARE MET WITH NO BUCKS, WOOD BUCKS 1-1/2" THICK OR GREATER SHALL HAVE EMBEDMENT INTO THE WOOD BUCKS.
  - ENSURE 4" MIN. ON-CENTER SPACING BETWEEN ANY TWO INSTALLATION ANCHORS.

Scale:  
NOT TO SCALE  
Sheet #:  
2 of 5

Drawing Title:  
LUXVIEW CASEMENT 80i

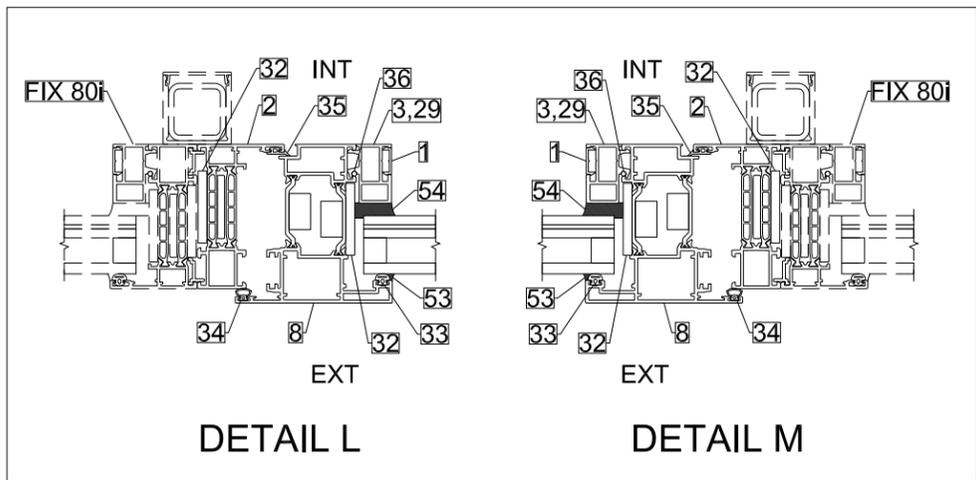
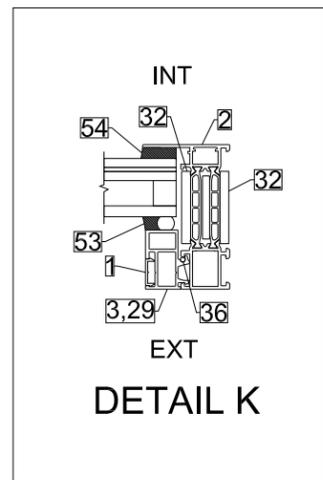
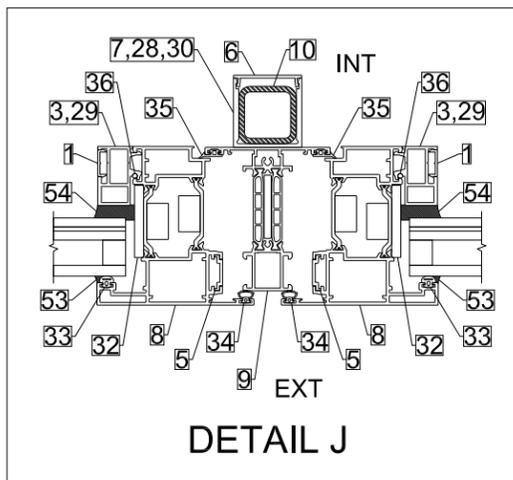
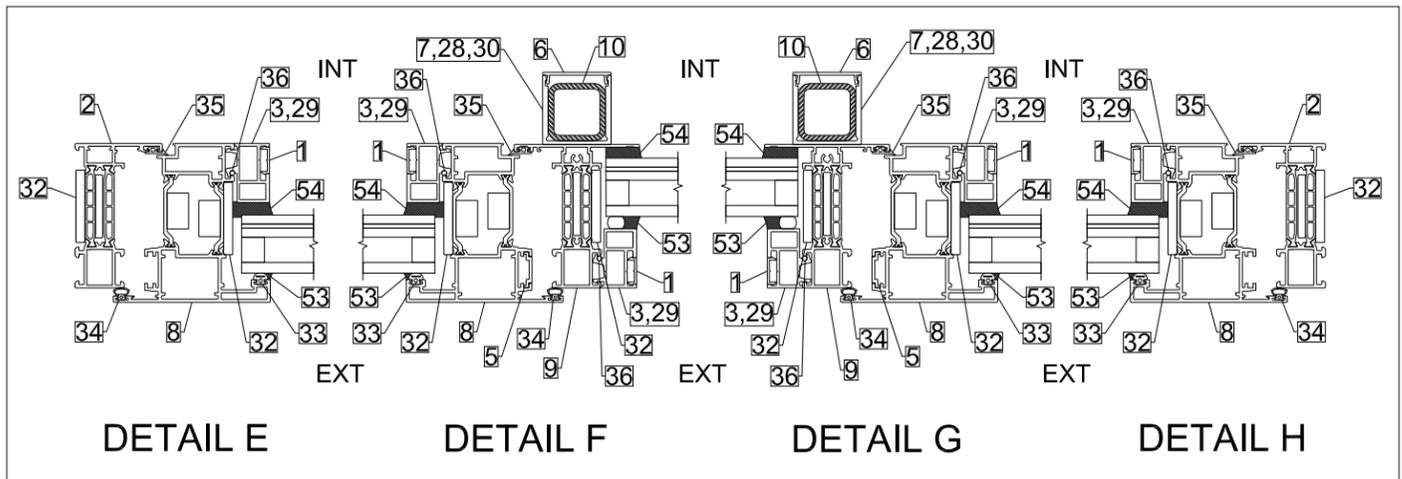
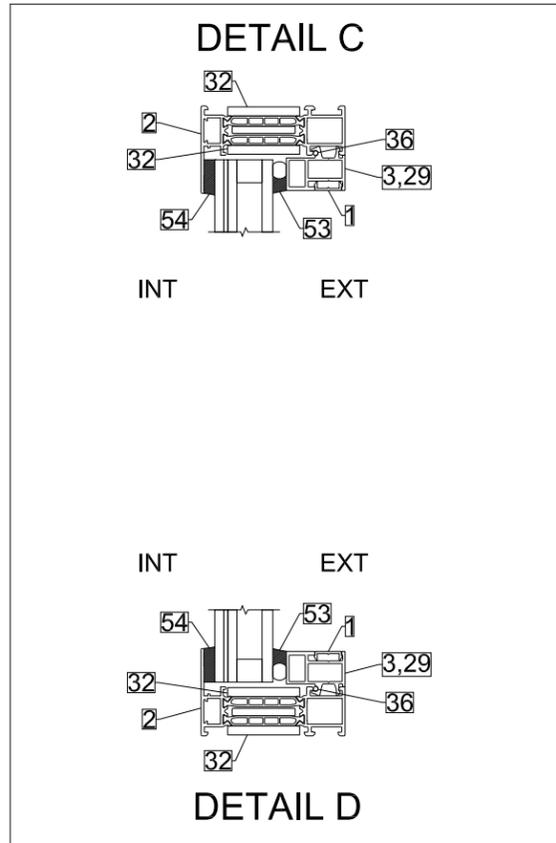
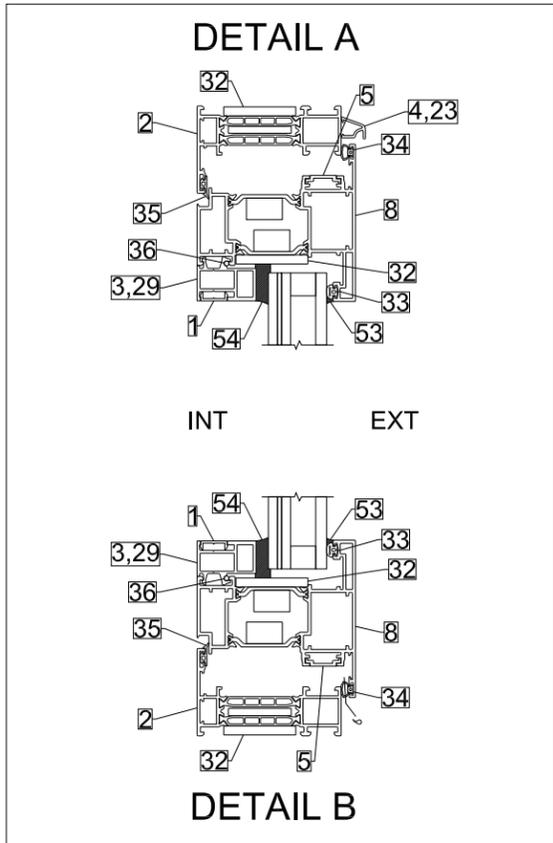
Drawing Number:  
FPA-CASEMENT80i  
Drawn By:  
RP

Reviewed By:  
CAC

Revision:  
00  
Date:  
09.02.2025

LUXVIEW

LuxView Proprietary  
Copyright 2025 LuxView LLC



9/10/2025  
 LUCAS TURNER, FL PE 58201  
 TURNER ENGINEERING &  
 CONSULTING, INC.  
 2428 OLD NATCHEZ TRACE TRL.  
 CAMDEN, TN, 38320  
 PH 941-380-1574



Scale:  
 NOT TO SCALE

Sheet #:  
 3 of 5

Drawing Title:  
**LUXVIEW CASEMENT 80i**

Drawing Number:  
 FPA-CASEMENT80i

Drawn By:  
 RP

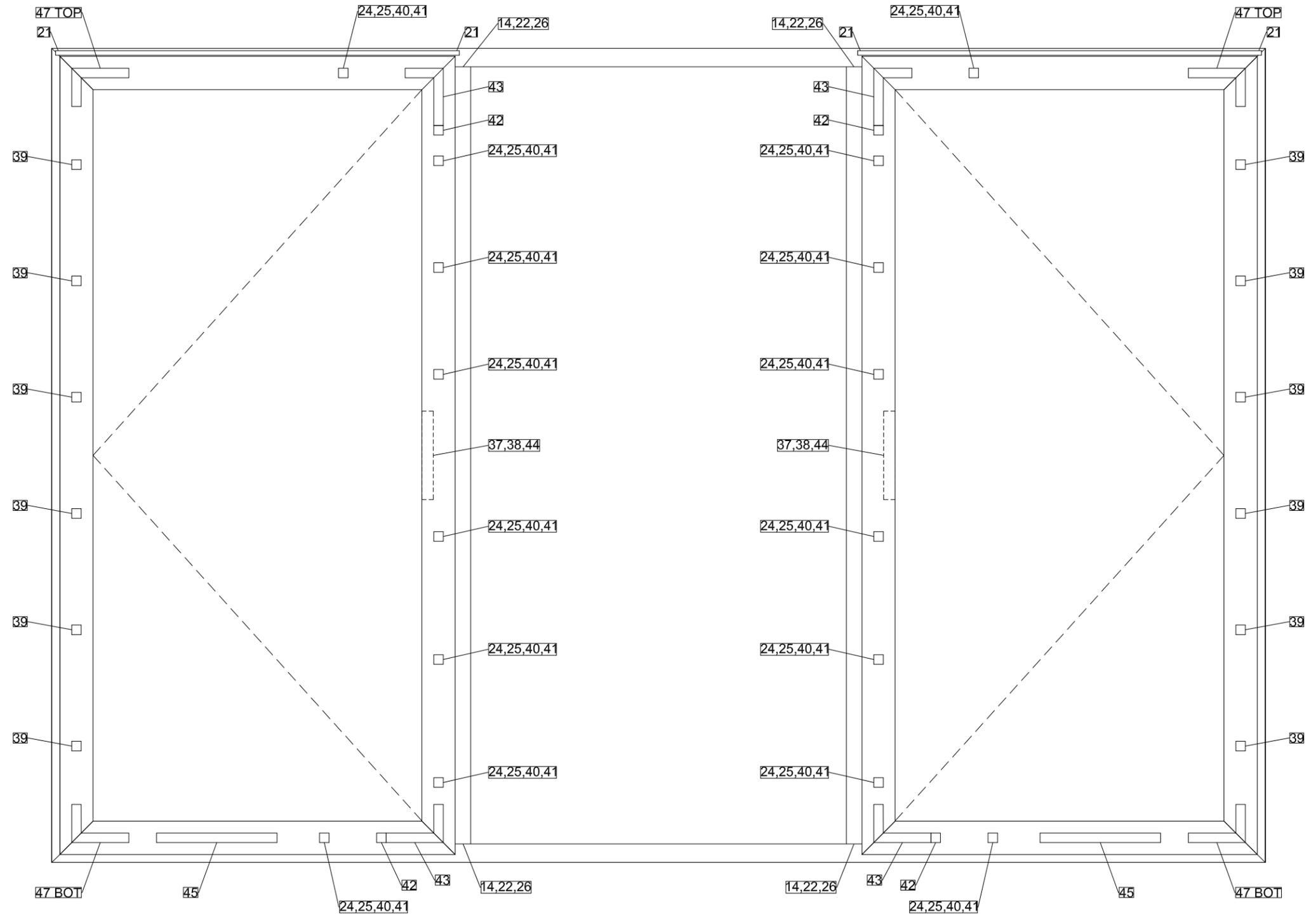
Revision:  
 00

Reviewed By:  
 CAC

Date:  
 09.02.2025

**LUXVIEW**

LuxView Proprietary  
 Copyright 2025 LuxView LLC



TYP HARDWARE LAYOUT

9/10/2025  
 LUCAS TURNER, FL PE 58201  
 TURNER ENGINEERING &  
 CONSULTING, INC.  
 2428 OLD NATCHEZ TRACE TRL.  
 CAMDEN, TN, 38320  
 PH 941-380-1574

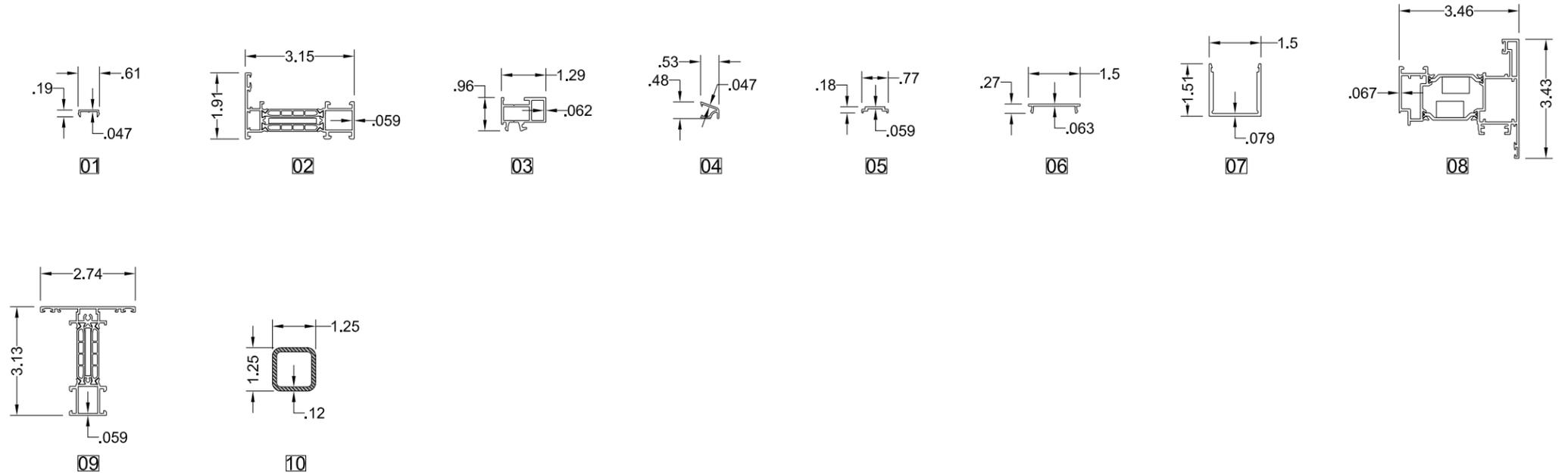


Scale: NOT TO SCALE	Drawing Title: <b>LUXVIEW CASEMENT 80i</b>	
	Drawing Number: FPA-CASEMENT80i	Revision: 00
Sheet #: 4 of 5	Drawn By: RP	Reviewed By: CAC
		Date: 09.02.2025

LUXVIEW

LuxView Proprietary  
 Copyright 2025 LuxView LLC

Bill Of Materials			
Item	Part #	Part Name	Material
<b>Extrusions</b>			
1	LV-CVR-AM-0013	Glazing Bead Cover	6063-T5
2	LV-FRM-AT-0030	Casement Frame	6063-T5
3	LV-GZB-AM-0018	Glazing Bead	6063-T6
4	LV-OTR-AM-0009	Raindrop Deflector	6063-T5
5	LV-OTR-AM-0040	Linkage Bar	6063-T5
6	LV-REI-AM-0001	Reinforcement Cover	6063-T5
7	LV-REI-AM-0002	Reinforcement	6063-T5
8	LV-SSH-AT-0018	Casement Sash	6063-T5
9	LV-TBR-AT-0001	Casement Mullion	6063-T5
10	LV-TUB-0014	1.25 x 1.25 x .120 (11 Ga) Tube	304 SS
<b>Accessories</b>			
11	LV-CLT-0016	Frame Alignment Corner Cleat	Cast Alum
12	LV-CLT-0017	Frame Primary Corner Cleat	6063-T5
13	LV-CLT-0018	Frame Secondary Corner Cleat	6063-T5
14	LV-CLT-0025	Mullion End Cleat	6063-T5
15	LV-CLT-0029	Sash Alignment Corner Cleat	Cast Alum
16	LV-CLT-0030	Sash Alignment Corner Cleat	Cast Alum
17	LV-CLT-0038	Sash Primary Corner Cleat	6063-T5
18	LV-CLT-0039	Sash Secondary Corner Cleat	6063-T5
19	LV-CLT-0058	Glazing Bead Corner Cleat	6061-T6
20	LV-COV-0056	1/2" Hole Plug	Plastic
21	LV-COV-0068	Raindrop Deflect End Caps	Cast Alum
22	LV-F06-3314	#6 x 2-1/2" PPH TS	18-8 SS
23	LV-F08-1305	Raindrop Deflector Screws	18-8 SS
24	LV-F08-2307	#8 x 3/4" PFH TS	18-8 SS
25	LV-F08-2309	#8 x 1" PFH TS	18-8 SS
26	LV-F08-3314	#8 x 2-1/2" PPH TS	18-8 SS
27	LV-F10-2305	#10 x 1/2" PFH TS	18-8 SS
28	LV-F10-3307	#10 x 3/4" PPH TS	18-8 SS
29	LV-F10-3707	#10 x 3/4" PPH SD TS	18-8 SS
30	LV-F14-3307	#14 x 3/4" PPH TS	18-8 SS
31	-	Installation Anchors - See Anchor Table	-
32	LV-GKT-0021	Insulating Foam - 5 x 40	Closed Cell Foam
33	LV-GKT-0022	Exterior Glazing Gasket	EPDM
34	LV-GKT-0023	Exterior Sealing Gasket	EPDM
35	LV-GKT-0050	Interior Sealing Gasket	EPDM
36	LV-GKT-0069	3mm Cord Gasket	Closed Cell Foam
37	LV-HDL-0178	Spindle Extension Kit	-
38	LV-HDL-0218	90 Degree Transmission	Corrosion Resistant Steel
39	LV-HDL-0219	Hinge-Side Center Closers	Corrosion Resistant Steel
40	LV-HDL-0220	Adjustable Locking Cam	Stainless Steel
41	LV-HDL-0221	Locking Cam Striker	Stainless Steel
42	LV-HDL-0222	Adjustable Striker	Corrosion Resistant Steel
43	LV-HDL-0223	Corner Drive	Corrosion Resistant Steel
44	LV-HDL-0224	Casement Straight Handle	Cast Alum
45	LV-HNG-0031	Adjustable Hold-Open Limiter	Stainless Steel
46	LV-HNG-0077	Hidden Hinge Kit - Right	Stainless Steel Pins
47	LV-HNG-0078	Hidden Hinge Kit - Left	Stainless Steel Pins
48	LV-PKR-0013	1mm Flat Packer	FBC 2411.3.3.1
49	LV-PKR-0014	2mm Flat Packer	FBC 2411.3.3.1
50	LV-PKR-0050	Glazing Wedge - FIX 80i	FBC 2411.3.3.1
51	LV-PKR-0057	Glazing Wedge - SWING 80i	FBC 2411.3.3.1
52	LV-PKR-0058	Setting Block - SWING 80i	FBC 2411.3.3.1
<b>Consumables</b>			
53	DOW-795	Weatherproofing Silicone	-
54	SSG-4600	Structural Silicone	-



9/10/2025  
LUCAS TURNER, FL PE 58201  
TURNER ENGINEERING &  
CONSULTING, INC.  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574



Scale:  
NOT TO SCALE  
Sheet #:  
5 of 5

Drawing Title:  
**LUXVIEW CASEMENT 80i**  
Drawing Number:  
FPA-CASEMENT80i  
Revision:  
00  
Drawn By:  
RP  
Reviewed By:  
CAC  
Date:  
09.02.2025

**LUXVIEW**

LuxView Proprietary  
Copyright 2025 LuxView LLC