



# SINGLE SPAN ELEVATIONS

			4/13/21	DATE
			10/12/20	REV.#
			PRINTS ISSUED FOR	REV.#

**KAWNEER**  
AN ARCONIC COMPANY

PH: (770) 449-5555  
WWW.KAWNEER.COM

555 GUTHRIDGE COURT  
NORCROSS, GA 30092



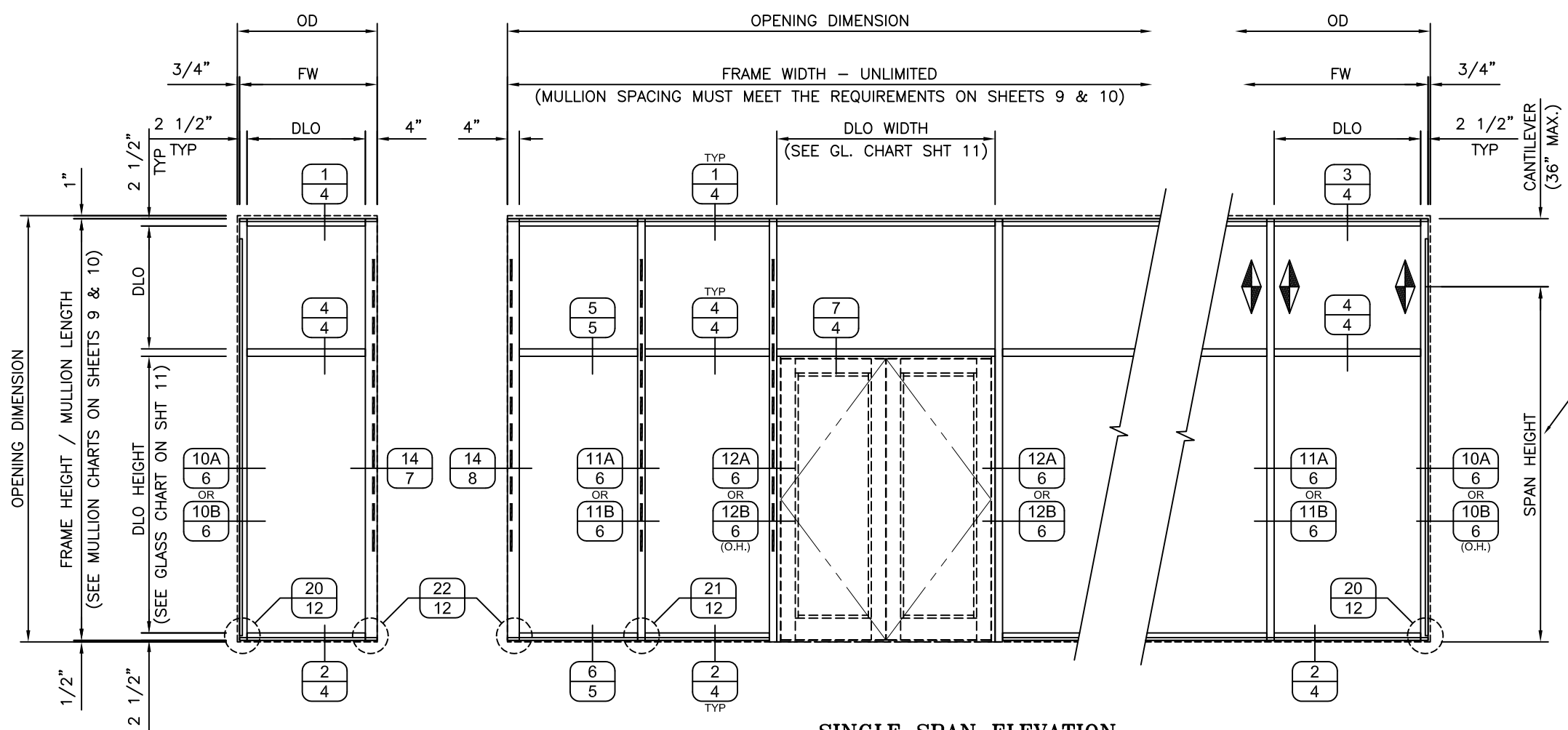
10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING &  
CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ  
TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

PRODUCT:  
**CLEARWALL  
CURTAINWALL  
SYSTEM**

DWG: CLRWL-IR

SECTION: 2

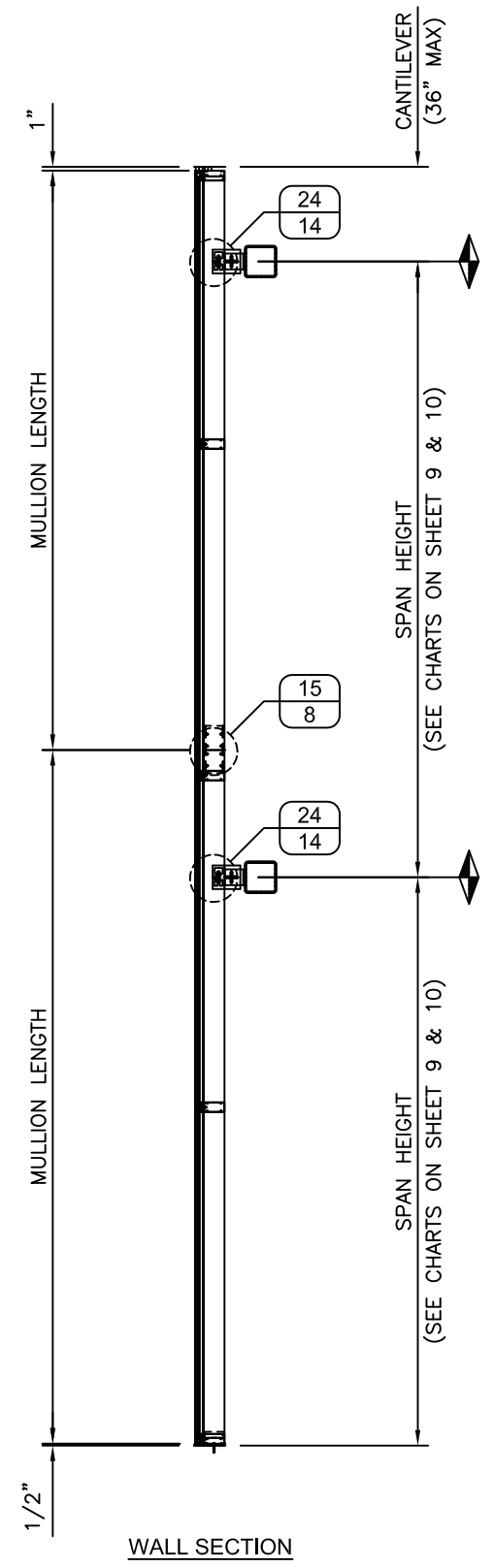
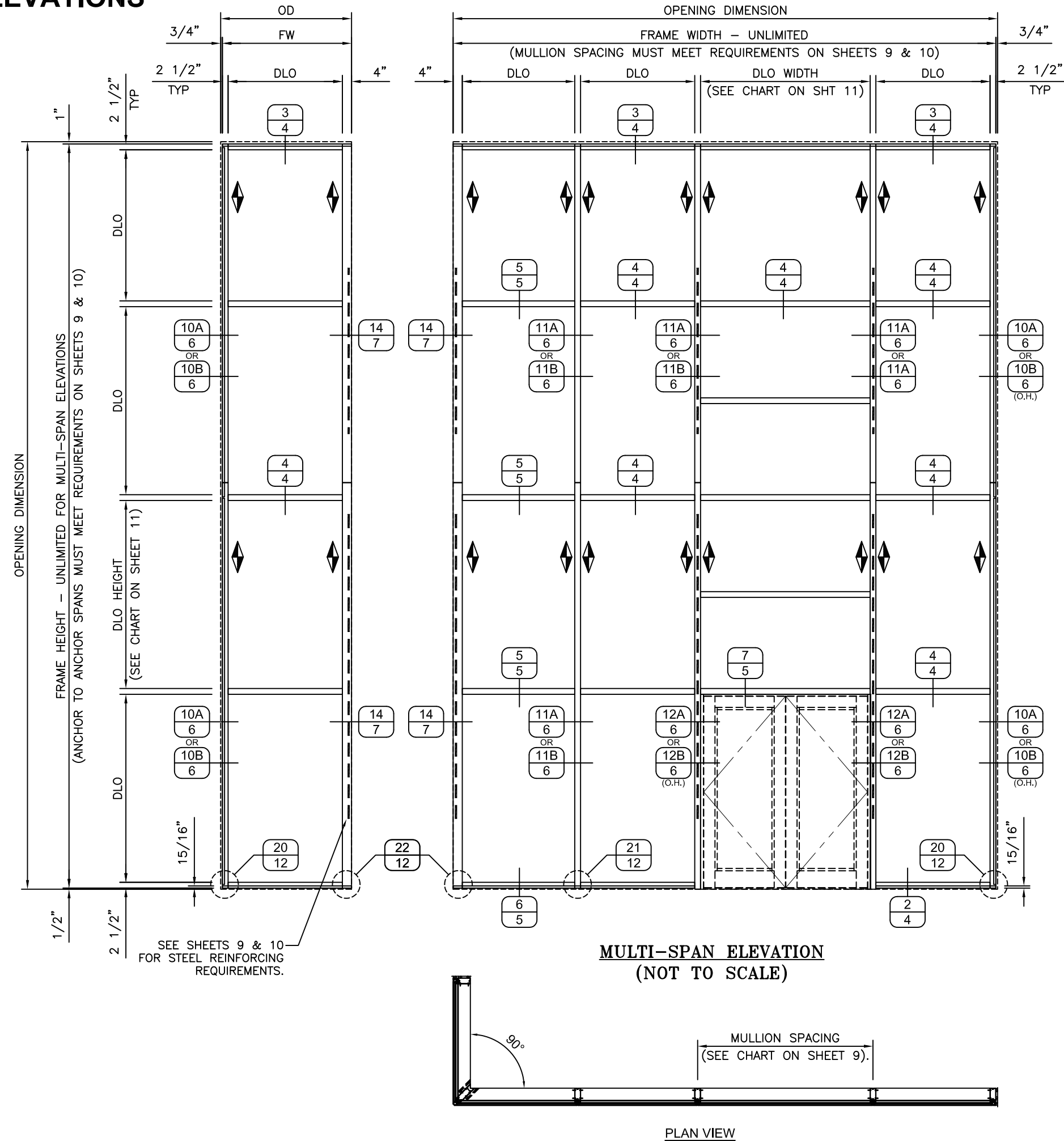
SHEET: 2/16



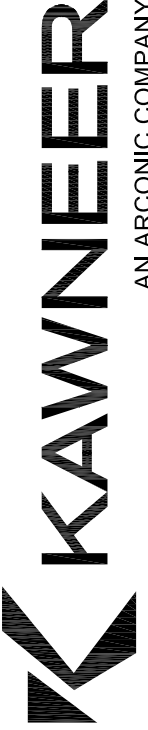
AT SINGLE SPAN ELEVATIONS WITH A CANTILEVER, THE SPAN HEIGHT IS LIMITED TO THE MULLION HEIGHTS SHOWN IN THE MULLION CHARTS ON SHEETS 9 & 10, AND THE CANTILEVER IS LIMITED TO 36" MAX.

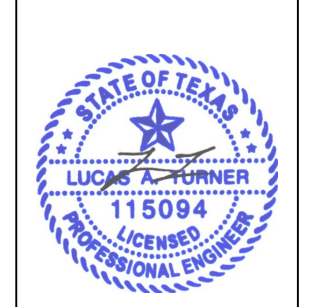
**SINGLE SPAN ELEVATION  
(NOT TO SCALE)**

# MULTI-SPAN ELEVATIONS



DATE	10/12/20
REV.#	
PRINTS ISSUED FOR	
1ST SUBMITTAL	4/13/21
DRAFTING REVISION	

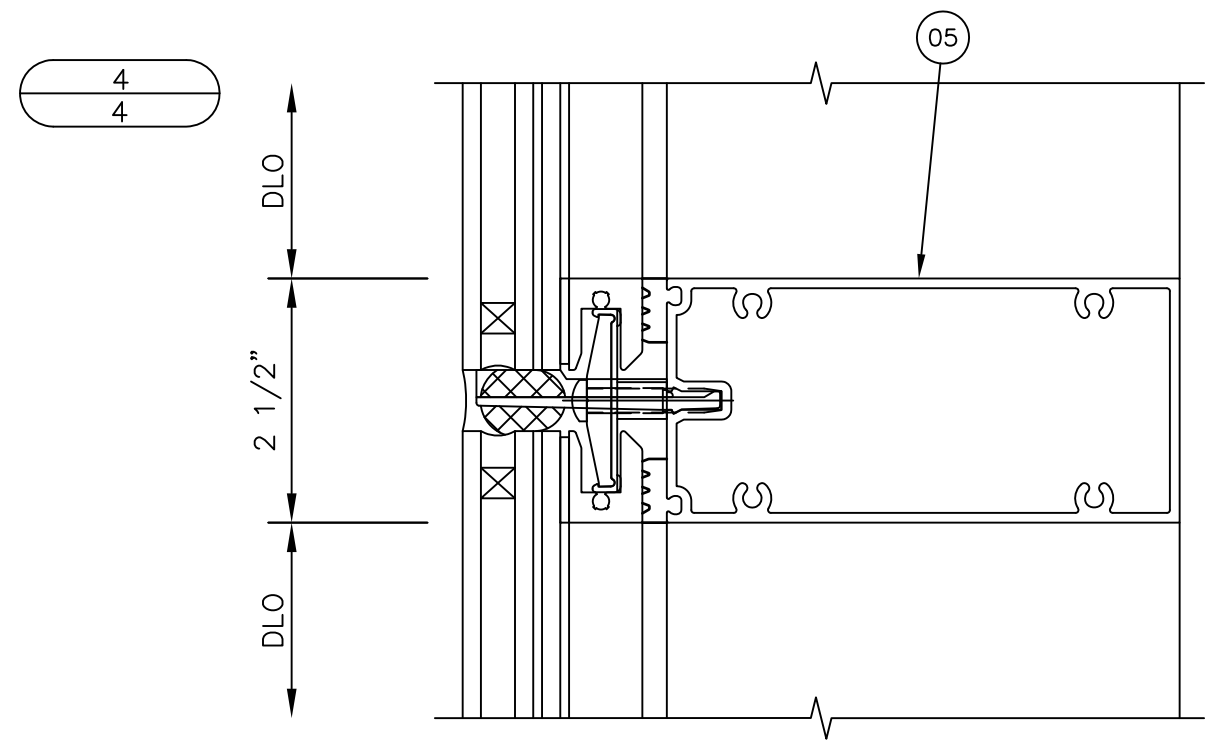
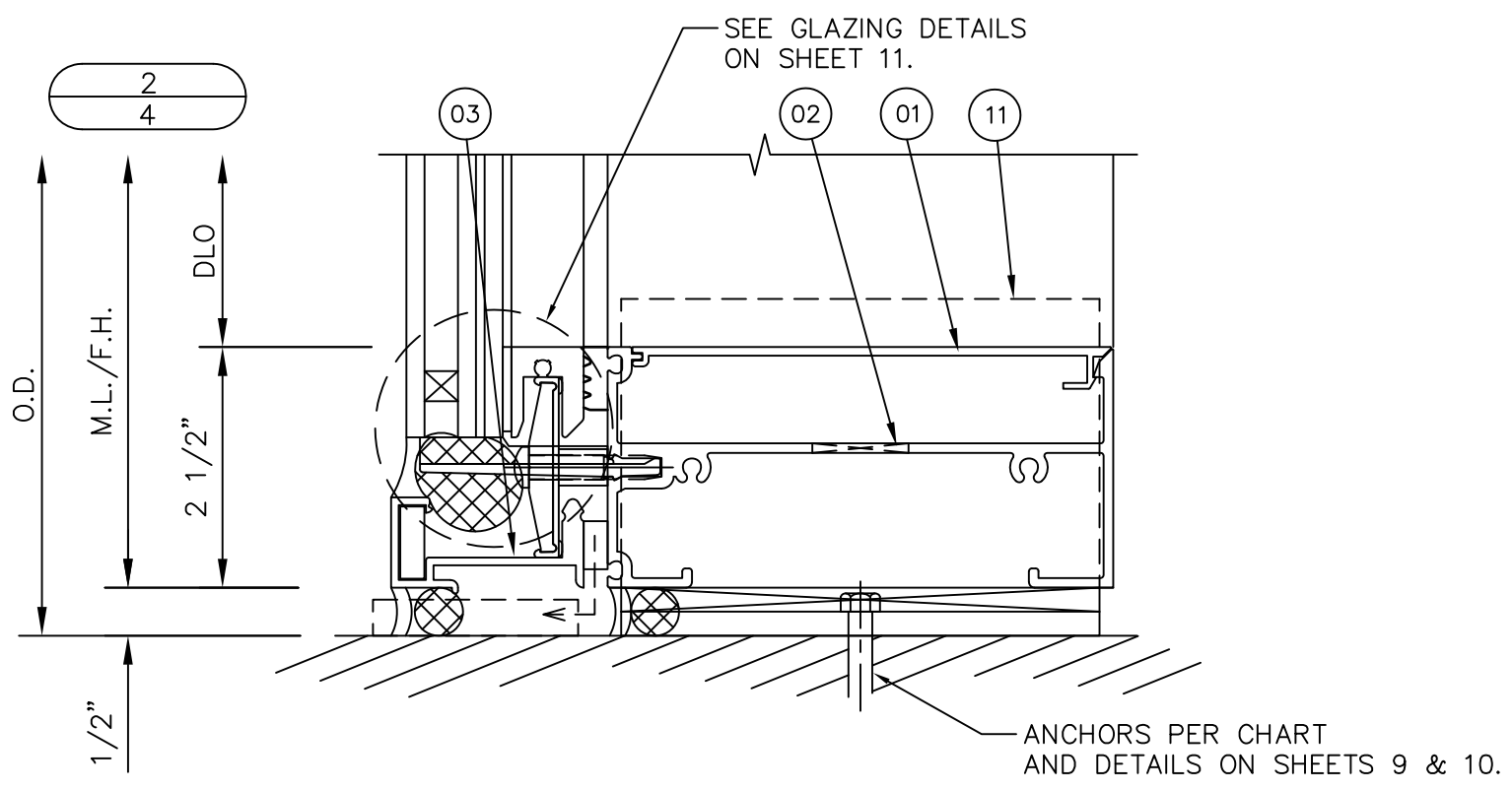
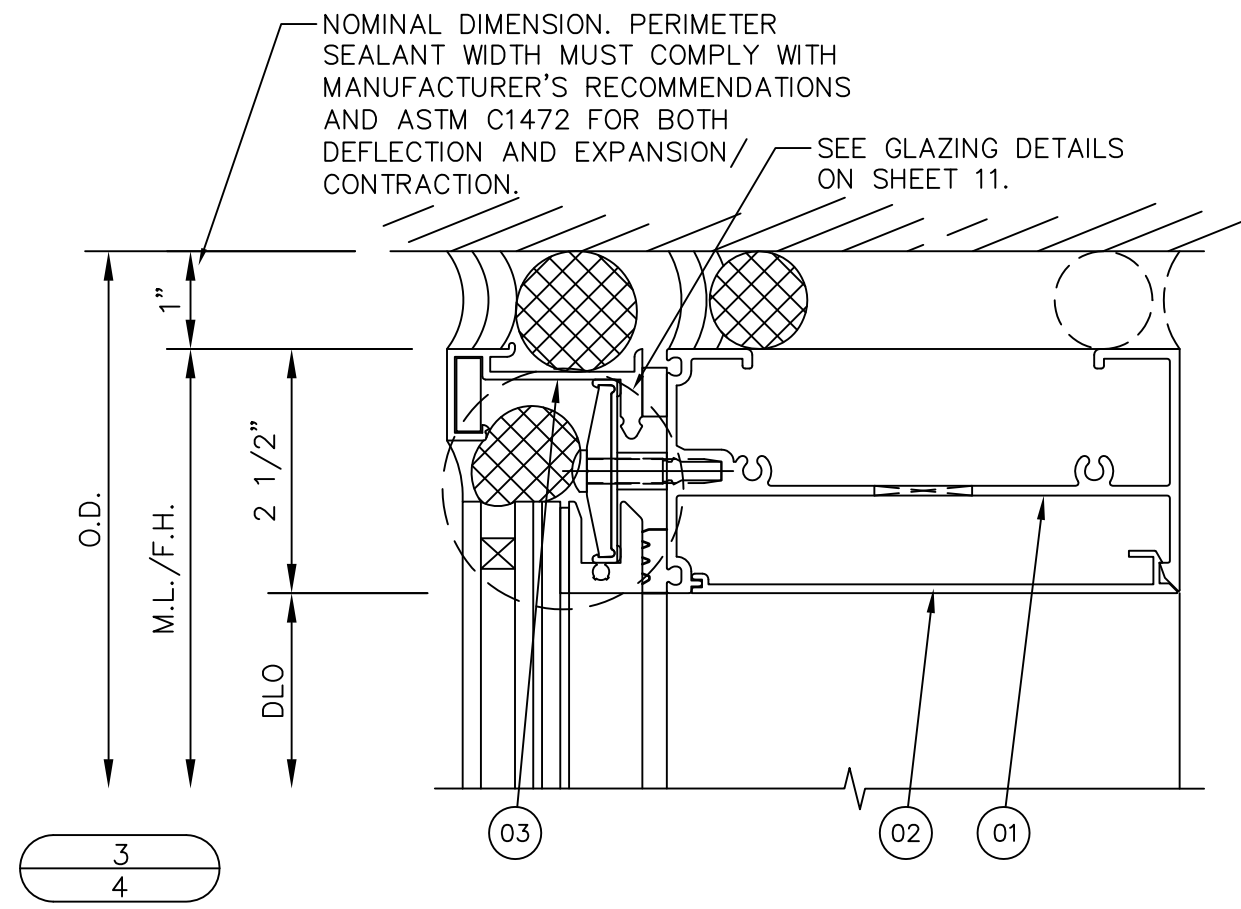
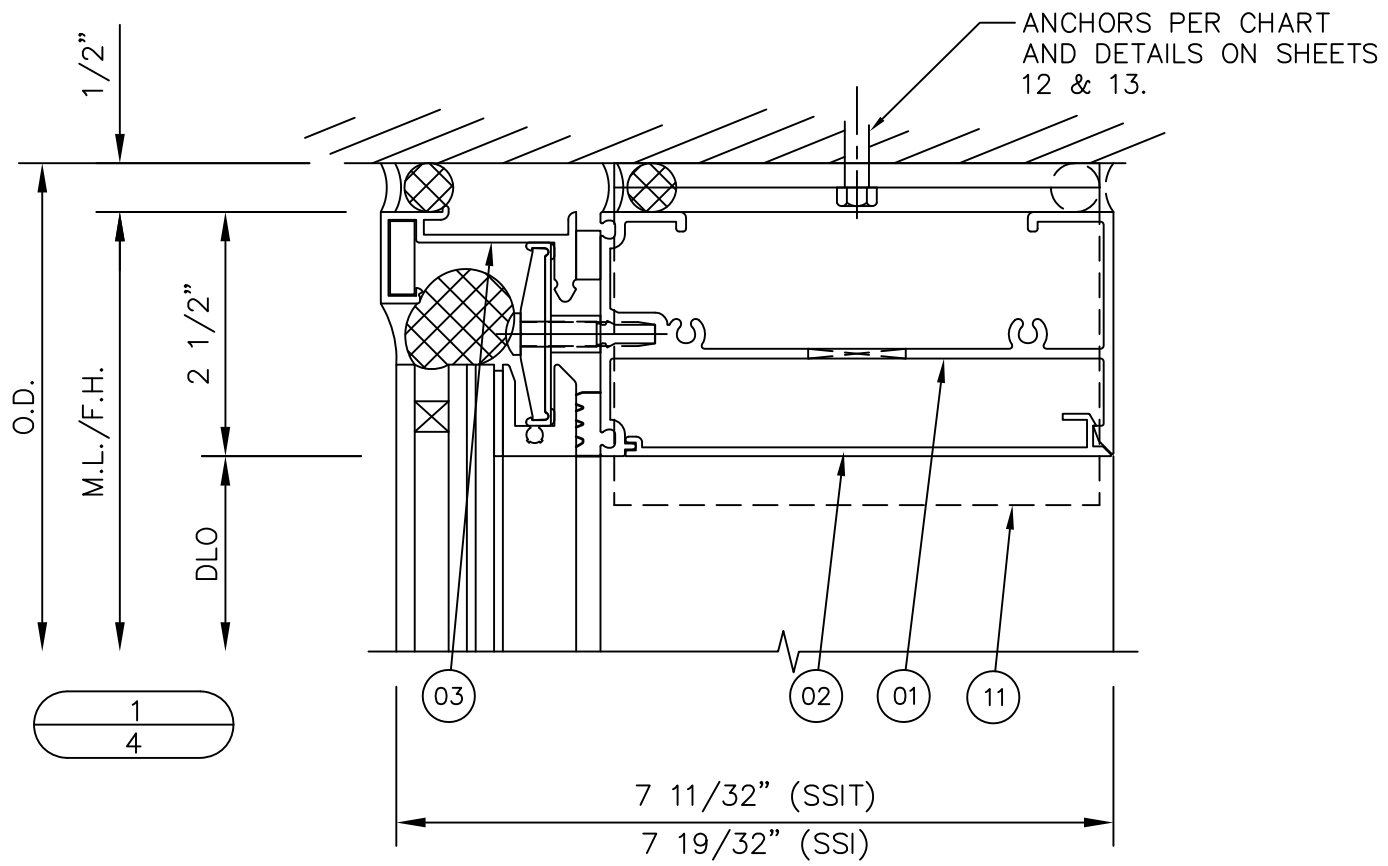

**KAWNEER**  
 AN ARCONIC COMPANY  
 PH: (770) 449-5555  
 WWW.KAWNEER.COM



10/27/2021  
 LUCAS TURNER  
 TX PE 115094  
 TURNER ENGINEERING & CONSULTING, INC.,  
 TBPE REG. #18075  
 2428 OLD NATCHEZ TRACE TRL.  
 CAMDEN, TN, 38320  
 PH 941-380-1574

<b>PRODUCT:</b>	CLEARWALL CURTAINWALL SYSTEM
<b>DWG:</b>	CLRWL-IR
<b>SECTION:</b>	2
<b>SHEET:</b>	3/16

# HEAD/SILL/HORIZONTAL DETAILS



DATE	10/12/20
REV.#	10/12/20
ISSUED FOR	PRINTS
REV.#	10/12/20
DATE	4/13/21
REV.#	4/13/21
ISSUED FOR	DRAFTING
REV.#	4/13/21
DATE	4/13/21

**KAWNEER**  
AN ARCONIC COMPANY

PH: (770) 449-5555  
WWW.KAWNEER.COM

555 GUTHRIDGE COURT  
NORCROSS, GA 30092



10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

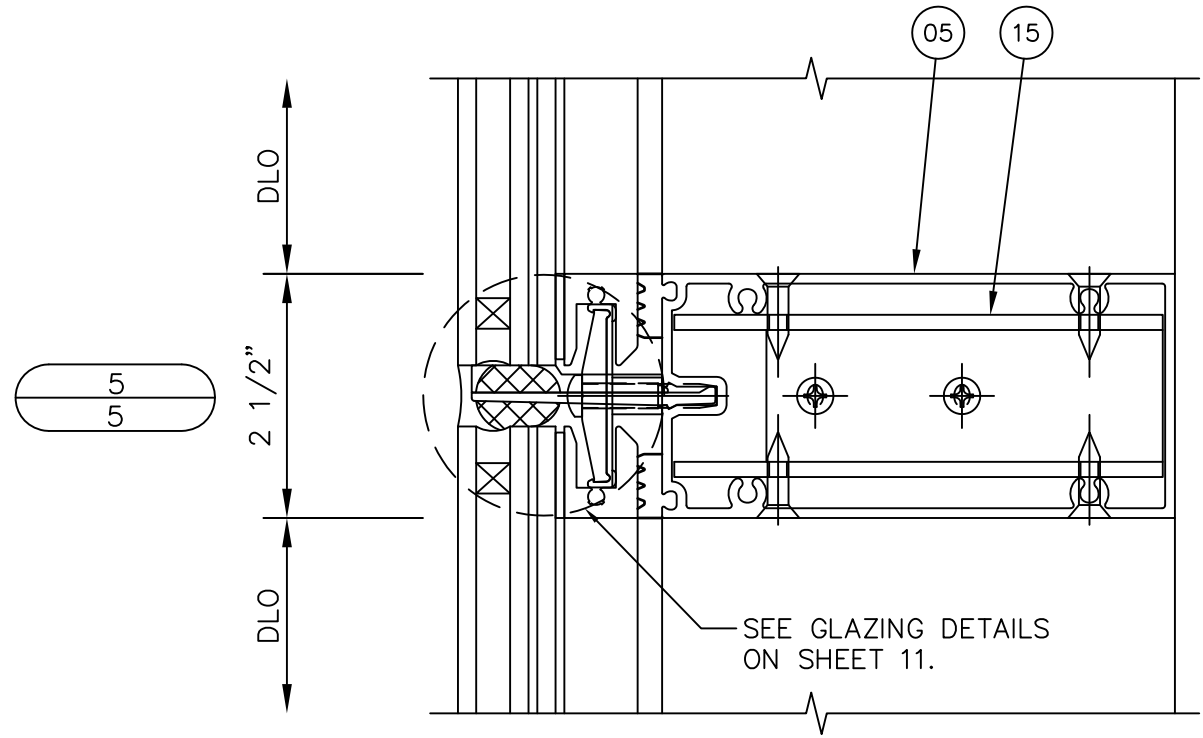
PRODUCT: CLEARWALL CURTAINWALL SYSTEM

DWG: CLRWL-IR

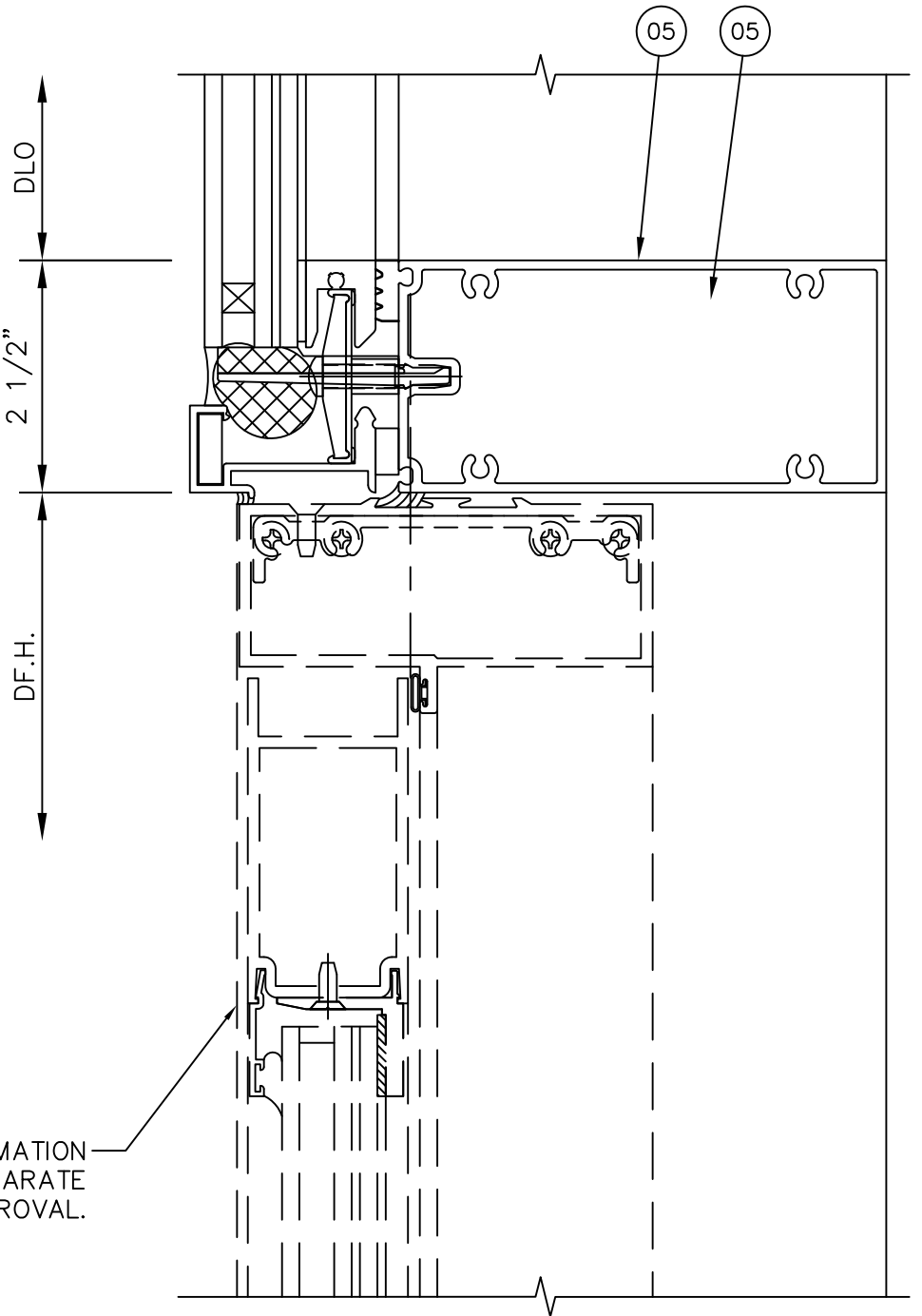
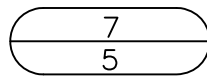
SECTION: 3

SHEET: 4/16

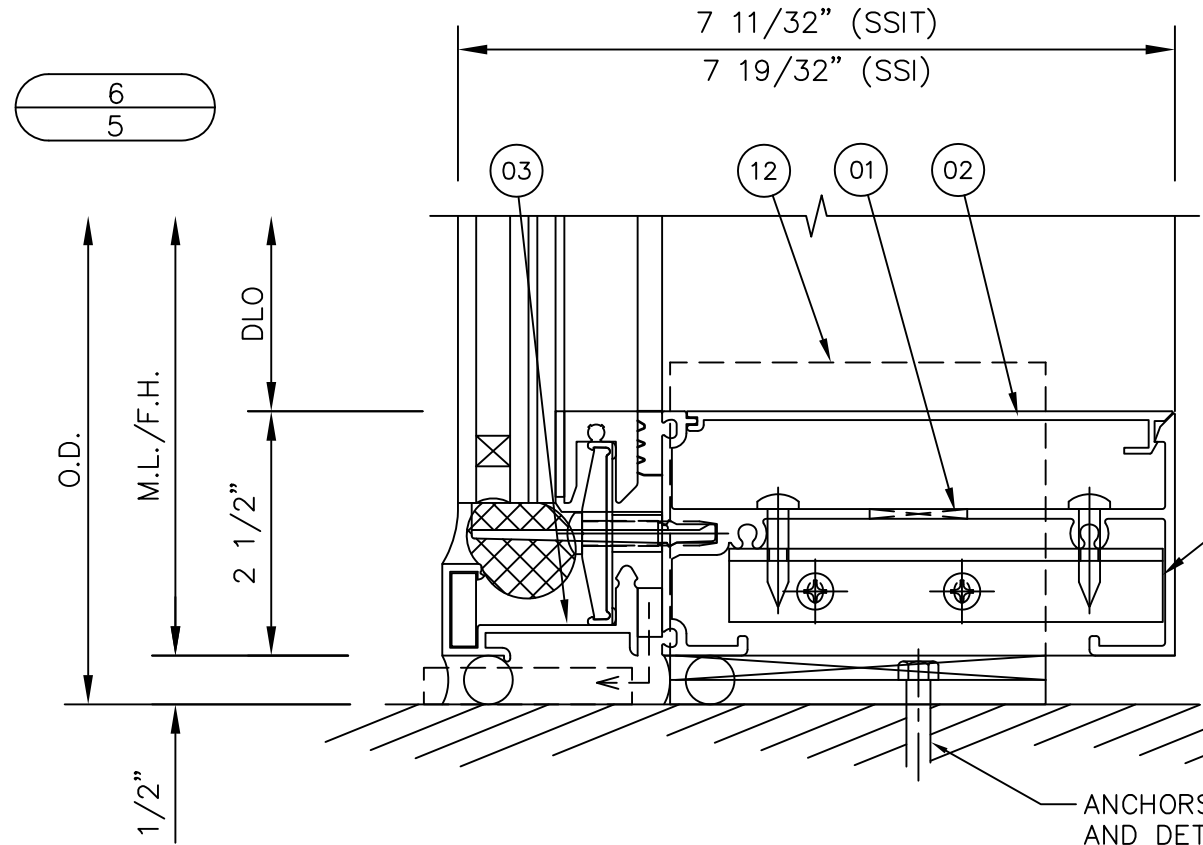
# HEAD/SILL/HORIZONTAL DETAILS



SEE GLAZING DETAILS ON SHEET 11.



FOR DOOR INFORMATION  
SEE SEPARATE  
PRODUCT APPROVAL.

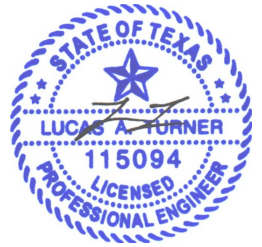


(17) HEAD SIM.

ANCHORS PER CHART AND DETAILS ON SHEETS 12 & 13.

REV.#	DATE	REVISION
1	4/13/21	DRAFTING REVISION
2	10/12/20	1ST SUBMITTAL
3		PRINTS ISSUED FOR REV.#

**KAWNEER**  
AN ARCONIC COMPANY  
PH: (770) 449-5555  
WWW.KAWNEER.COM  
555 GUTHRIDGE COURT  
NORCROSS, GA 30092



10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

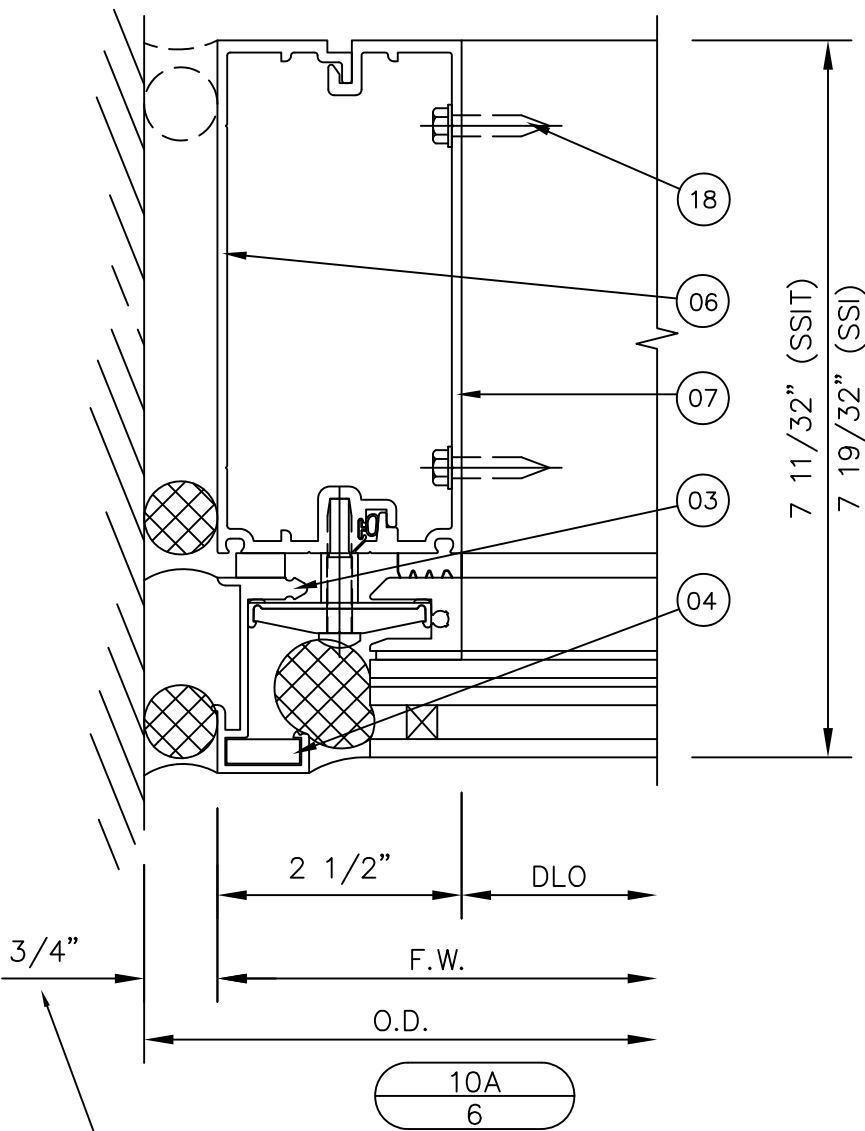
PRODUCT:  
**CLEARWALL CURTAINWALL SYSTEM**

DWG: **CLRWL-IR**

SECTION: **3**

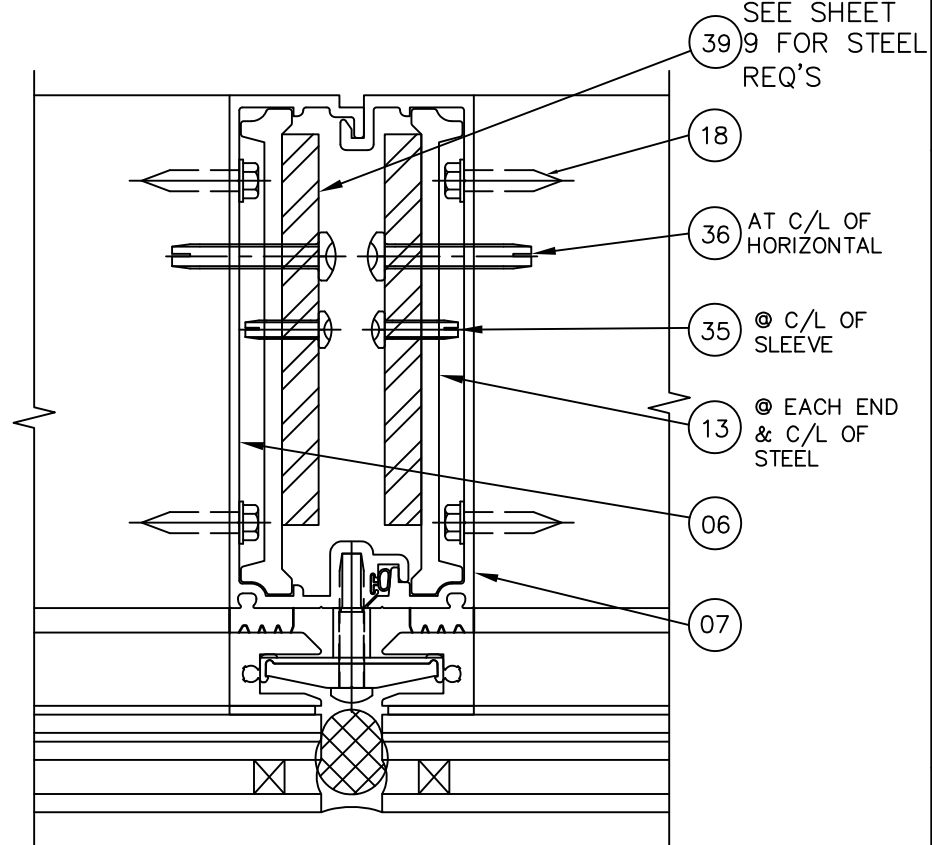
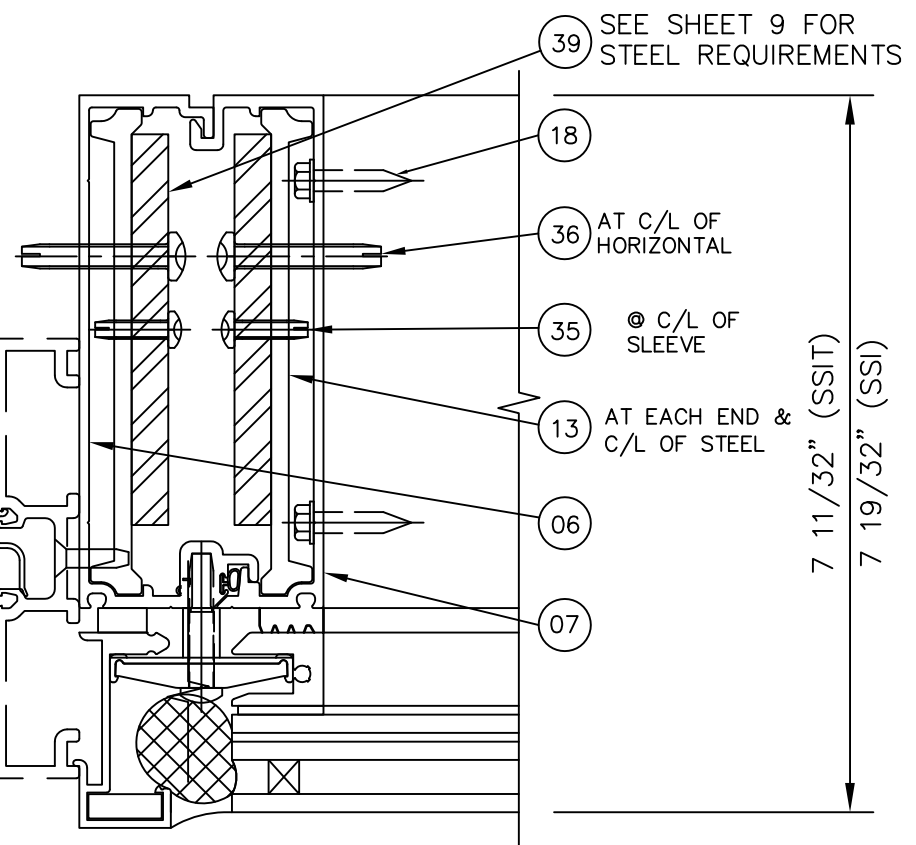
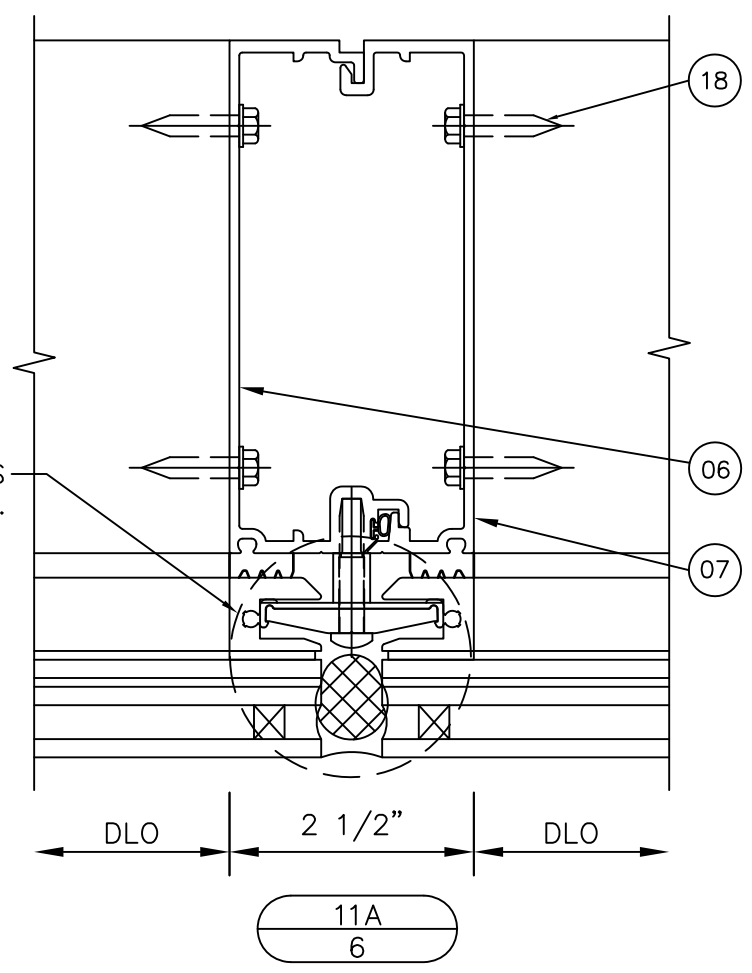
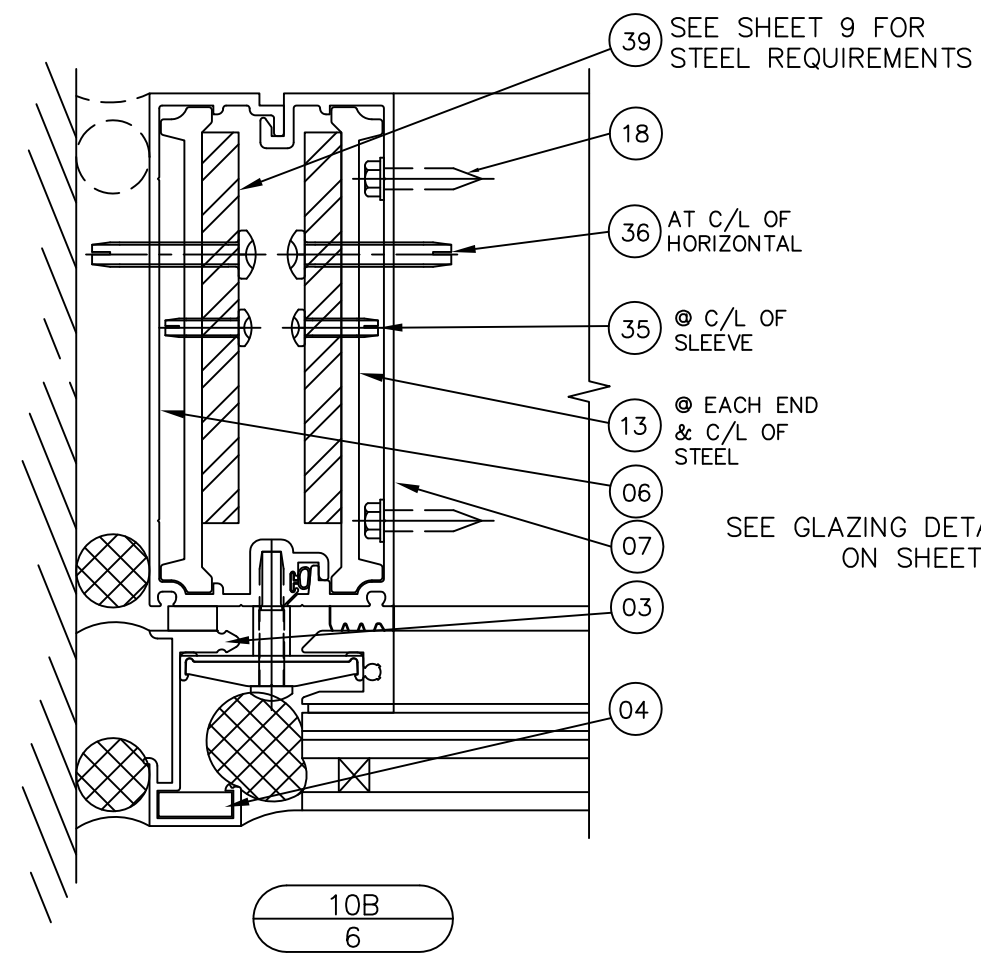
SHEET: **5/16**

# JAMB/MULLION DETAILS



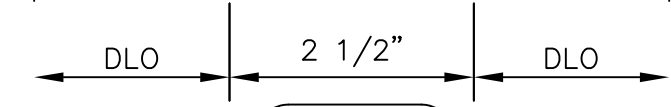
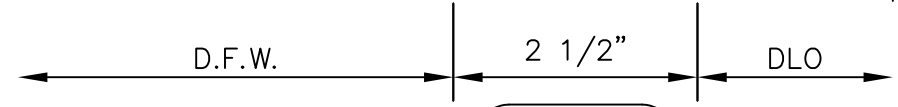
NOMINAL DIMENSION. PERIMETER SEALANT WIDTH MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND ASTM C1472.

FOR DOOR INFORMATION SEE SEPARATE PRODUCT APPROVAL.



(NO STEEL)

12A  
6



REV.#	DATE	DESCRIPTION
1	4/13/21	DRAFTING REVISION
2	10/12/20	1ST SUBMITTAL
3		PRINTS ISSUED FOR REV.#

**KAWNEER**  
AN ARCONIC COMPANY

555 GUTHRIDGE COURT  
NORCROSS, GA 30092

PH: (770) 449-5555  
WWW.KAWNEER.COM

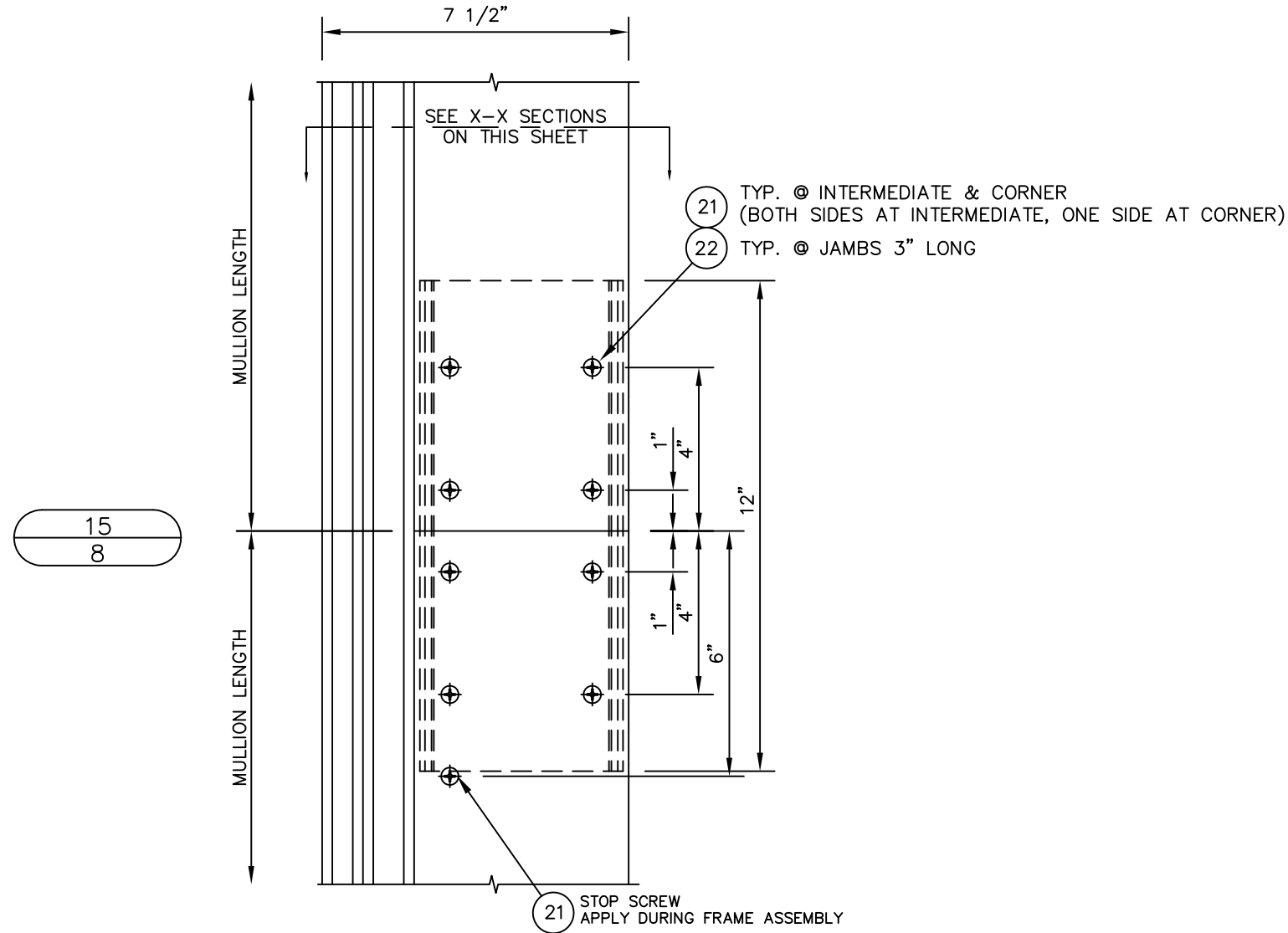


10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

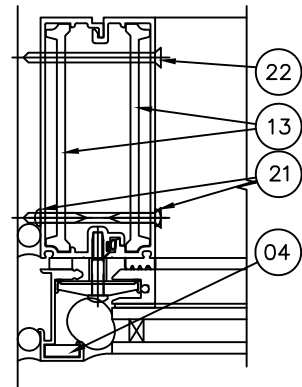
PRODUCT:	CLEARWALL CURTAINWALL SYSTEM
DWG:	CLRWL-IR
SECTION:	3
SHEET:	6/16



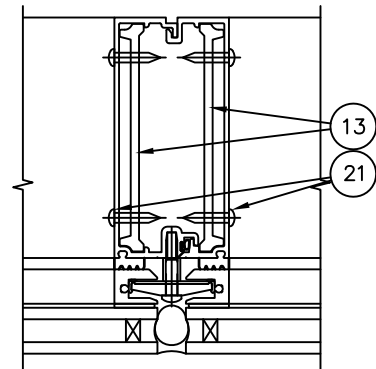
# SPLICE DETAILS



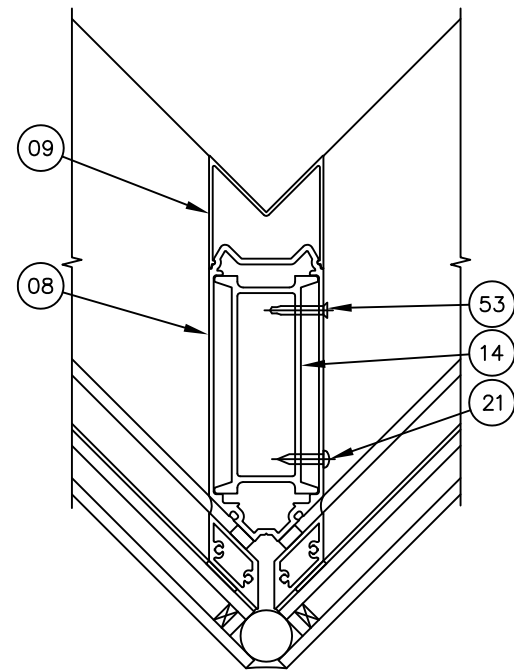
(21) STOP SCREW  
APPLY DURING FRAME ASSEMBLY



X-X  
JAMB



X-X  
MULLION



X-X  
CORNER



10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING &  
CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ  
TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

PRODUCT:  
**CLEARWALL  
CURTAINWALL  
SYSTEM**

DWG: **CLRWL-IR**

SECTION: **3**

SHEET: **8/16**

REV.#	DATE	REV.#	DATE
1	4/13/21	2	10/12/20
2		3	
3		4	
4		5	
5		6	
6		7	
7		8	
8		9	
9		10	
10		11	
11		12	
12		13	
13		14	
14		15	
15		16	
16		17	
17		18	
18		19	
19		20	
20		21	
21		22	
22		23	
23		24	
24		25	
25		26	
26		27	
27		28	
28		29	
29		30	
30		31	
31		32	
32		33	
33		34	
34		35	
35		36	
36		37	
37		38	
38		39	
39		40	
40		41	
41		42	
42		43	
43		44	
44		45	
45		46	
46		47	
47		48	
48		49	
49		50	
50		51	
51		52	
52		53	
53		54	
54		55	
55		56	
56		57	
57		58	
58		59	
59		60	
60		61	
61		62	
62		63	
63		64	
64		65	
65		66	
66		67	
67		68	
68		69	
69		70	
70		71	
71		72	
72		73	
73		74	
74		75	
75		76	
76		77	
77		78	
78		79	
79		80	
80		81	
81		82	
82		83	
83		84	
84		85	
85		86	
86		87	
87		88	
88		89	
89		90	
90		91	
91		92	
92		93	
93		94	
94		95	
95		96	
96		97	
97		98	
98		99	
99		100	

**KAWNEER**  
AN ARCONIC COMPANY

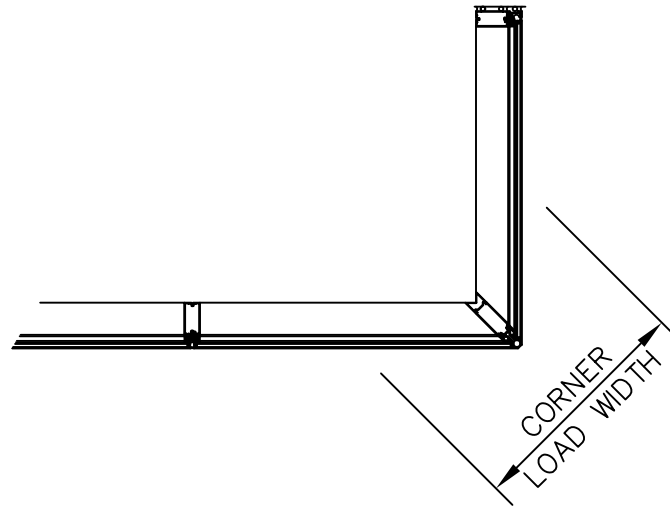
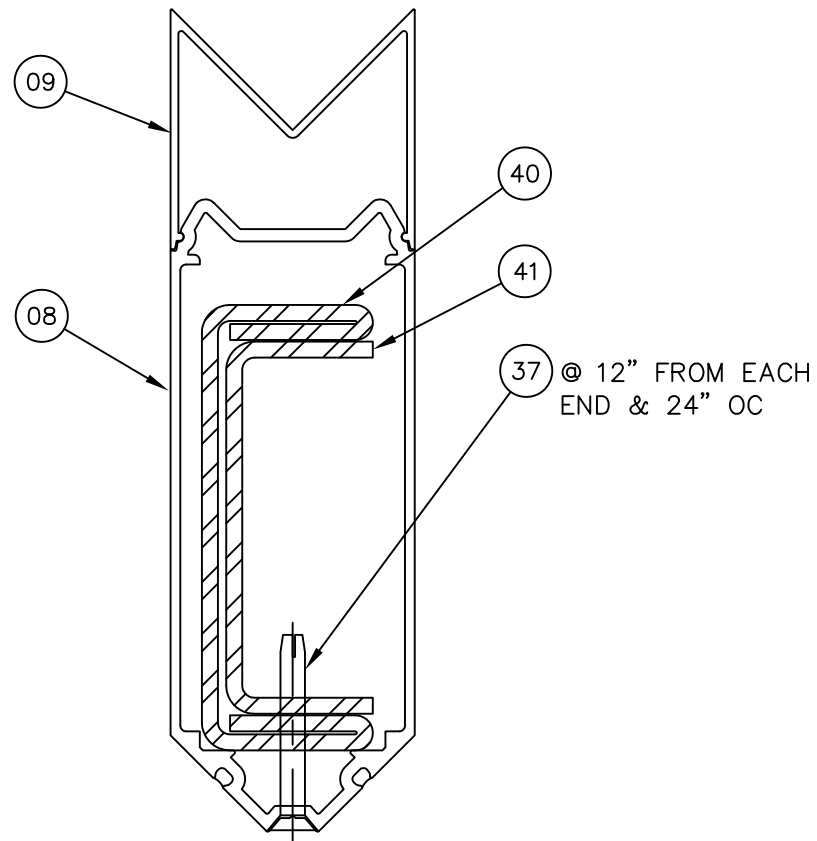
555 GUTHRIDGE COURT  
NORCROSS, GA 30092

PH: (770) 449-5555  
WWW.KAWNEER.COM





# CORNER DETAILS



MULLION HEIGHT (in)	CORNER MULLION LOAD WIDTH (in)	ALLOWABLE DESIGN PRESSURE (psf)	
		SINGLE SPAN (+/-)	MULTI-SPAN (+/-)
		96	42 48 51
120	42 48 51	50 50 50	50 50 50
132	42 48 51	50 50 47	50 50 50
144	36 42 46	50 48 44	50 50 50
156	30 36 40 43	50 48 43 40	50 50 50 46
168	24 30 36 40 1/8	50 41 34 30	50 50 50 50

**CORNER MULLION NOTES:**

1. WIDTHS ARE BASED ON PROJECTED AREA. (CENTER OF DLO TO CENTER OF DLO)
2. PRESSURES FOR MULTI-SPAN MULLIONS LISTED ABOVE APPLY TO MULLIONS WITH EQUAL SPAN HEIGHTS. SEE NOTES BELOW FOR UNEQUAL SPANS.
3. STEEL REINFORCING LENGTH FOR SINGLE SPAN MULLIONS = MULLION LENGTH-36".
4. MULTI-SPAN STEEL REINFORCING REQUIREMENTS:
  - a. LENGTH FOR BOTTOM SPAN REINFORCING = M.L.-36", STARTING 30" FROM SILL (EXTENDS THRU 1ST MID-SPAN ANCHOR)
  - b. LENGTH FOR REINFORCING IN UPPER SPANS = SPAN HEIGHT-84" (MIN), 35" ABOVE LOWER STEEL OR CENTERED IN SPAN.
  - c. ANY LOCATION WHERE THE MULLION BENDING MOMENT EXCEEDS 22,317 in-lb.
4. COMPARATIVE ANALYSIS MAY BE USE FOR OTHER SIZES AND PRESSURES BY THE ARCHITECT OR ENGINEER OF RECORD FOR EACH PROJECT

**UN-EQUAL SPANS:**

CORNER MULLIONS WITH UN-EQUAL SPAN HEIGHTS MUST MEET ALL OF THE FOLLOWING REQUIREMENTS:

1. MAX. SPAN HEIGHT = 168 in.
2. MAX. DESIGN PRESSURE = ±50 psf
3. MAX. BENDING MOMENT FOR MULLION WITH NO STEEL REINFORCING = 22,317 in-lb.
4. MAX. BENDING MOMENT FOR REINFORCED MULLION = 36,500 in-lb.
5. MAX. MID-SPAN ANCHOR REACTION = 2751 lb.

REV.#	DATE	DESCRIPTION
4/13/21	10/12/20	DRAFTING REVISION
		1ST SUBMITTAL
		PRINTS ISSUED FOR REV.#

**KAWNEER**  
AN ARCONIC COMPANY

PH: (770) 449-5555  
WWW.KAWNEER.COM

555 GUTHRIDGE COURT  
NORCROSS, GA 30092

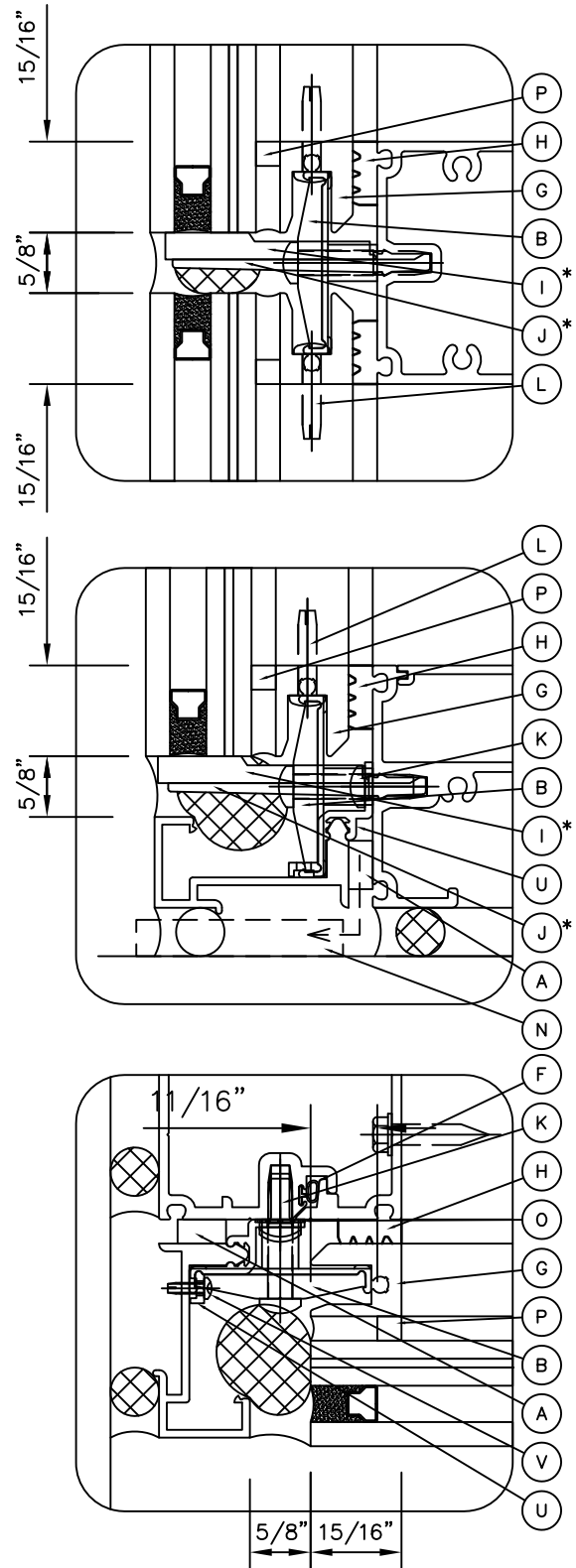


10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

**PRODUCT:**  
CLEARWALL CURTAINWALL SYSTEM

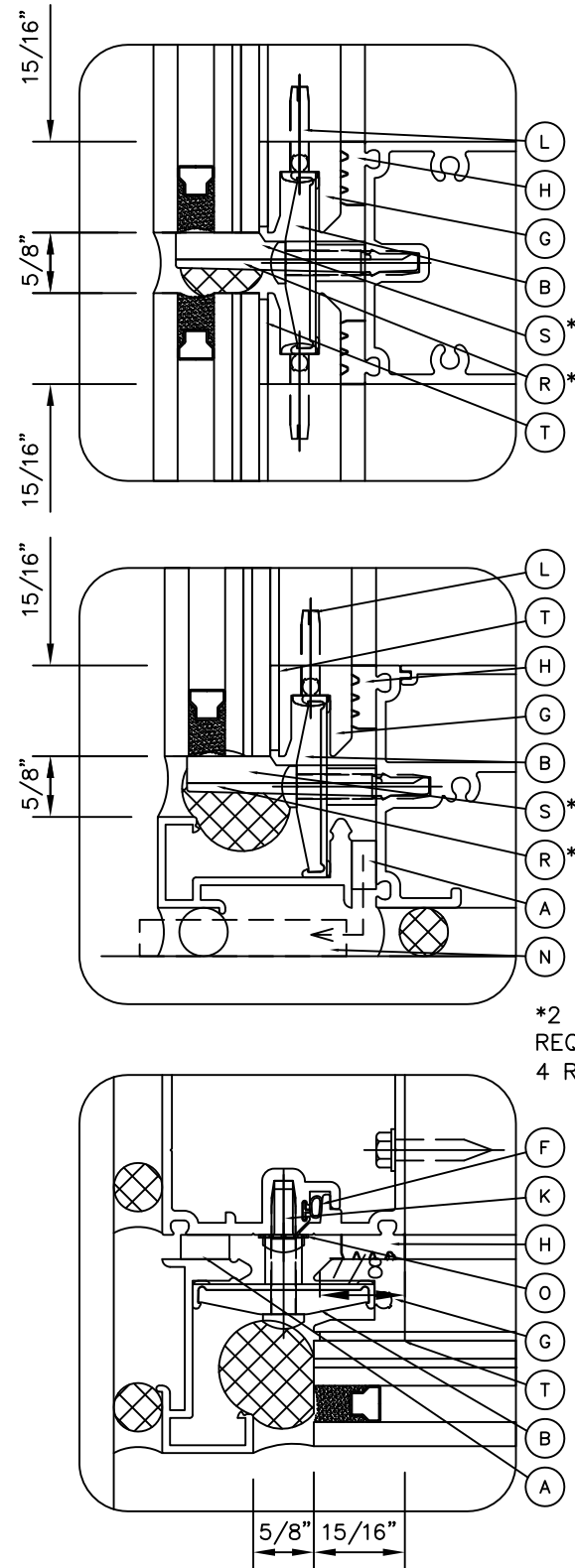
**DWG:** CLRWL-IR  
**SECTION:** 4  
**SHEET:** 10/16

**SSI GLAZING DETAILS**



- A 127159 SSG TAPE (SHORE "A" 30 DUROMETER POLYURETHANE FOAM)
- B 172213 TOGGLE ASSEMBLY (SEE LOCATIONS ON SHEET 13)
- F 027493 AIR SEAL (ARLOC T-BULB WEATHER STRIP)
- G 172021 INTERFACE
- H 127167 INTERIOR FIXED GASKET (SHORE "00" 70±10 DUROMETER EPDM SPONGE)
- I 127166 SETTING BLOCK (SHORE "A" 85±5 DUROMETER SILICONE). (2) PER LITE MIN.
- J 172210 SSI GLASS CHAIR
- K 128958 1/4" x 1/2" PHTF TYPE "B" W/ #12 SQUARE RECESS HEAD 300 STAINLESS STEEL 36" O.C.
- L 977104 10-24 x 7/8" TYPE 1 PHTC CROSS RECESSED TYPE "D" 300 STAINLESS STEEL

**SSIT GLAZING DETAILS**



- N 3/8" DIA. WEEP TUBE BY OTHERS
- O 028416 1/4" STAR WASHER
- P 127095 1/4"x1/4" GLAZING TAPE
- R 172216 SSIT GLASS CHAIR
- S 127163 SETTING BLOCK (SHORE "A" 85±5 DUROMETER SILICONE). (2) PER LITE MIN.
- T 3M VHB 7/8" TAPE (B23F BLACK OR G23F GRAY) BY OTHERS
- U 172214 PERIMETER TRIM CLIP - @ EACH END OF PERIM TRIM & C OF HORIZONTAL MULLION
- V 128920 #6x3/8" TYPE 1 PHTF SCREW TYPE "B" CROSS RECESS HEAD (300 SS). (1) NEAR C OF PERIMETER TRIM

\*2 SETTING BLOCKS AND CHAIRS REQ'D FOR GLASS ≤ 32 ft<sup>2</sup>.  
4 REQ'D FOR GLASS > 32 ft<sup>2</sup>.

**GLASS TYPES**

GLASS TYPE 1 - 1" INSULATED LAMINATED LARGE AND SMALL MISSILE IMPACT RESISTANT

GLASS TYPE 2 - 1" INSULATED LAMINATED SMALL MISSILE IMPACT RESISTANT ONLY

MAKE-UP: 1/4" TEMPERED  
3/8" AIR SPACE WITH ALUM. SPACER (BLACK)  
3/16" HEAT STRENGTHENED  
0.090" SENTRYGLAS INTERLAYER  
3/16" HEAT STRENGTHENED

MAKE-UP: 1/4" TEMPERED  
3/8" AIR SPACE WITH ALUM. SPACER (BLACK)  
3/16" HEAT STRENGTHENED  
0.060" PVB INTERLAYER  
3/16" HEAT STRENGTHENED

**GLASS TYPE 1 (LM/SMI) - SSI GLAZING OPTION**  
TESTED DLO'S = 49 1/2"x93 1/2" (50 psf), 33 1/2"x93" (70 psf) MAX. SILICONE STRESS=20psi

HEIGHT (in)	ALLOWABLE DESIGN PRESSURE (psf)											
	WIDTH (in)											
	30	33 1/2	36	42	48	49 1/2	54	60	66	75	78	84
54	70	70	70	70	70	70	70	50	50	50	50	49
60	70	70	70	70	66	66	50	50	50	50		
64	70	70	70	68	64	50	50	50	50			
74	70	70	70	64	50	50	50	50				
84	70	70	64	50	50	50	49					
93	70	70	50	50	50	50						
93 1/2	70	50	50	50	50	50						
96	70	50	50	50	50							
108	50	50	50	50								
126	50	50	50									
138	50	50										
144	50											

**GLASS TYPE 1 (LM/SMI) - SSIT GLAZING OPTION**  
TESTED DLO'S = 49 1/2"x93 1/2" (50 psf), 33 1/2"x93" (70 psf) MAX. 3M TAPE STRESS=12psi

HEIGHT (in)	ALLOWABLE DESIGN PRESSURE (psf)											
	WIDTH (in)											
	30	33 1/2	36	42	48	49 1/2	54	60	66	75	78	84
54	70	70	70	70	63	61	56	50	50	50	50	49
60	70	70	70	70	63	61	50	50	50	50		
64	70	70	70	68	63	50	50	50	47			
74	70	70	70	64	50	50	50	50				
84	70	70	64	50	50	50	49					
93	70	70	50	50	50	50						
93 1/2	70	50	50	50	50	50						
96	70	50	50	50	50							
108	50	50	50	50								
126	50	50	50									
138	50	50										
144	50											

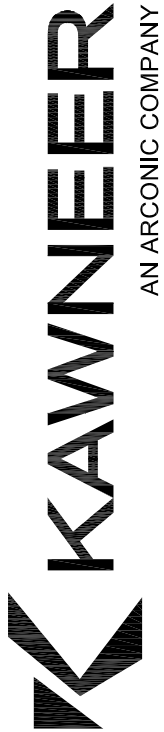
**GLASS TYPE 2 (SMI ONLY) - SSI or SSIT GLAZING OPTIONS**  
TESTED DLO'S = 49 1/2"x93 1/2" (50 psf)

HEIGHT (in)	ALLOWABLE DESIGN PRESSURE (psf)											
	WIDTH (in)											
	30	33 1/2	36	42	48	49 1/2	54	60	66	75	78	84
54	50	50	50	50	50	50	50	50	50	50	50	49
60	50	50	50	50	50	50	50	50	50	50		
64	50	50	50	50	50	50	50	50	47			
74	50	50	50	50	50	50	50	50				
84	50	50	50	50	50	50	49					
93 1/2	50	50	50	50	50	50						
96	50	50	50	50	50							
108	50	50	50	50								
126	50	50	50									
138	50	50										
144	50											

**GLASS CHART NOTES:**

- DIMENSIONS LISTED ARE DLO DIMENSIONS.
- PRESSURES SHOWN ARE ROUNDED TO WHOLE NUMBERS.

REV.#	DATE	DESCRIPTION
1	4/13/21	DRAFTING REVISION
2	10/12/20	1ST SUBMITTAL
3		PRINTS ISSUED FOR REV.#



PH: (770) 449-5555  
WWW.KAWNEER.COM

555 GUTHRIDGE COURT  
NORCROSS, GA 30092



10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

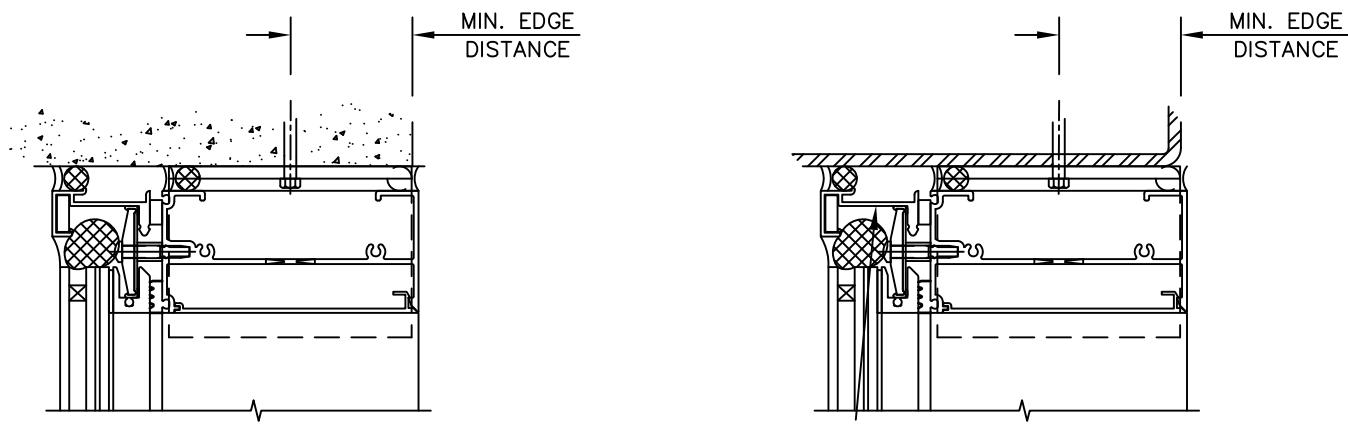
**PRODUCT:**  
CLEARWALL CURTAINWALL SYSTEM

**DWG:** CLRWL-IR

**SECTION:** 5

**SHEET:** 11/16

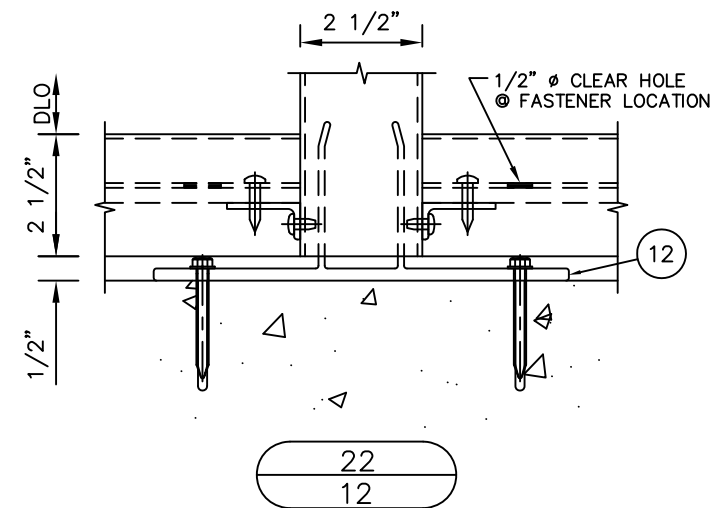
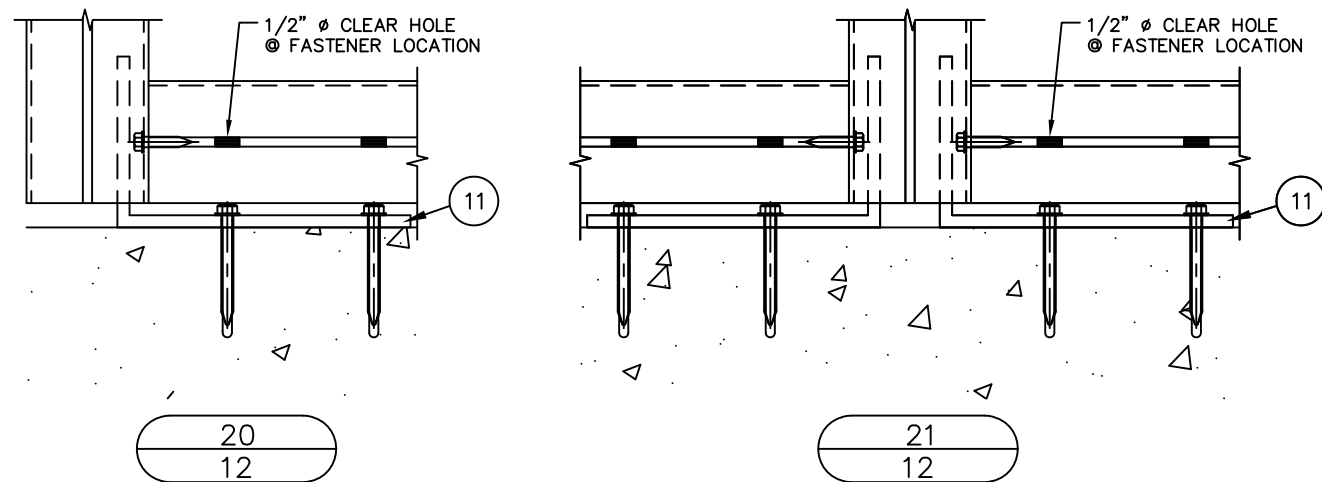
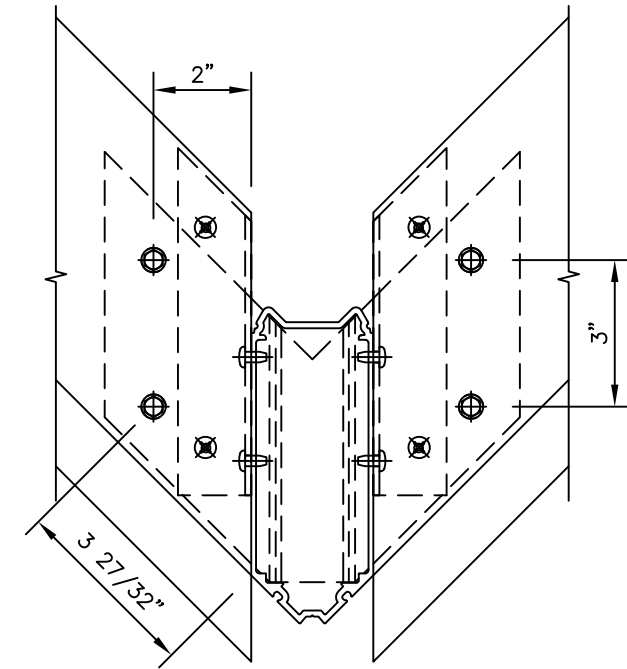
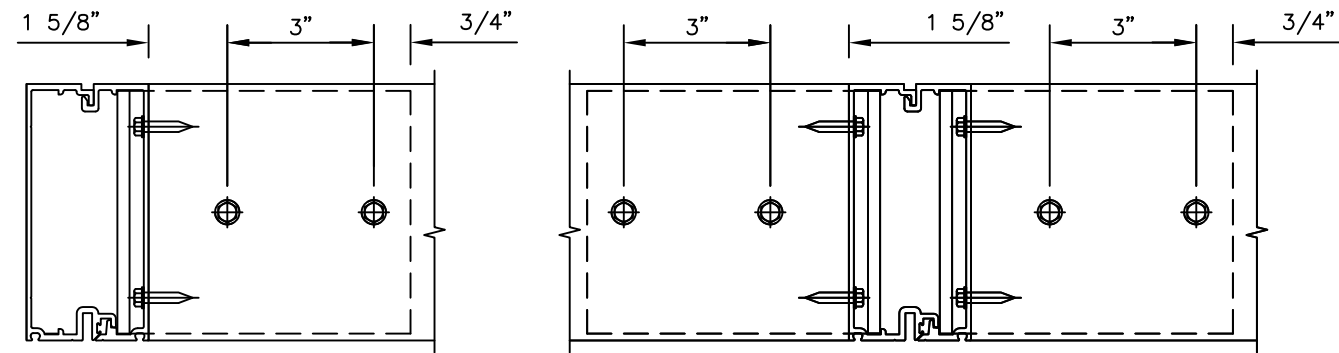
# HEAD/SILL ANCHOR DETAILS



ANCHOR SCHEDULE			
BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
CONCRETE (3000 psi MIN)	1/4" DIA. ELCO ULTRACON	1 3/4"	2 1/2"
	1/4" DIA. ELCO CRETE-FLEX SS4		
	1/4" DIA. HILTI KWIK-CON II		
STEEL (1/8", 36 ksi MIN.)	1/4" DIA. ITW TEKS SCREW	FULL (SEE NOTE)	3/4"
	1/4" DIA. ELCO DRIL-FLEX		
	1/4" DIA. HILTI KWIK-FLEX		
	1/4" DIA. F-TYPE THREAD FORMING SCREW (SAE Gr. 5 MIN)		

**ANCHOR CHART NOTES:**

- FOR THREAD FORMING SCREWS IN STEEL, FASTENER THREADS MUST FULLY PENETRATE WALL THICKNESS OF THE STEEL, WITH THREE ADDITIONAL THREADS BEYOND, FOR FULL EMBEDMENT.



REV.#	DATE	DESCRIPTION
4/13/21	10/12/20	DRAFTING REVISION
		1ST SUBMITTAL
		PRINTS ISSUED FOR REV.#

**KAWNEER**  
AN ARCONIC COMPANY

555 GUTHRIDGE COURT  
NORCROSS, GA 30092

PH: (770) 449-5555  
WWW.KAWNEER.COM



10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

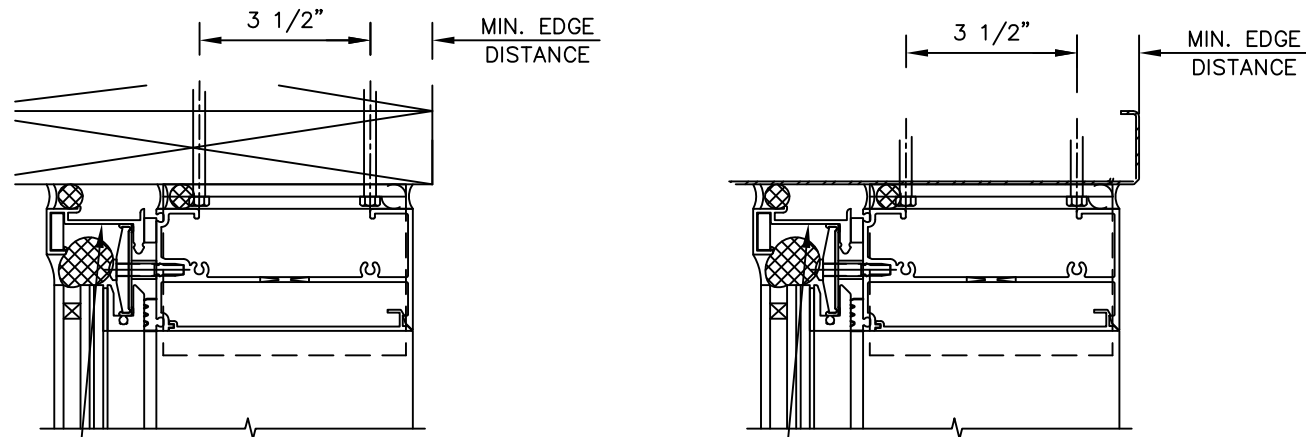
PRODUCT: CLEARWALL CURTAINWALL SYSTEM

DWG: CLRWL-IR

SECTION: 6

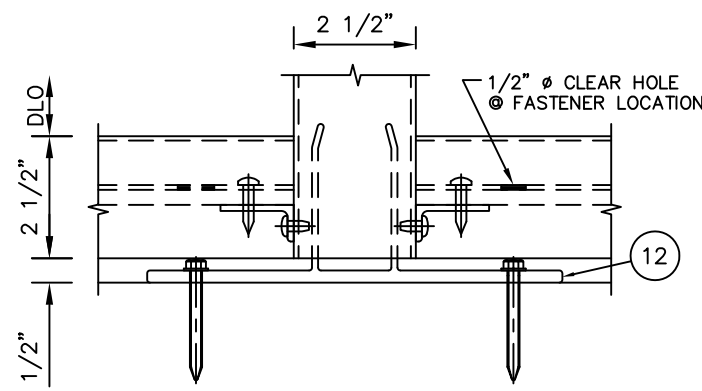
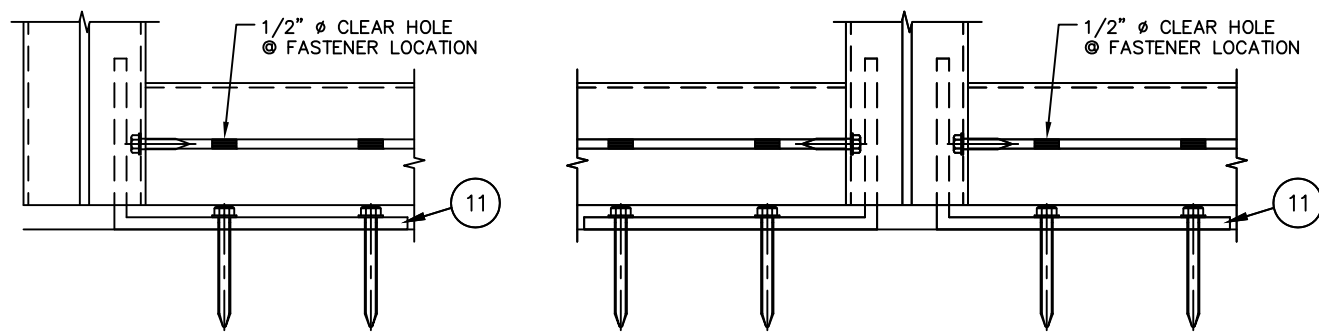
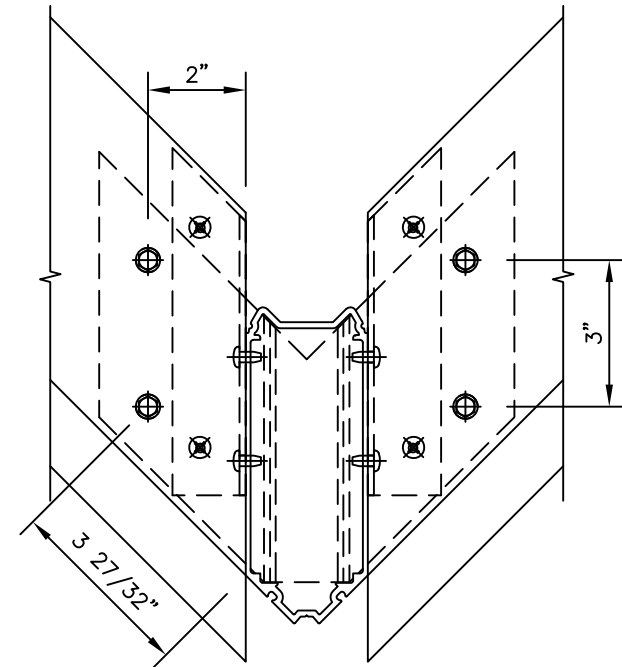
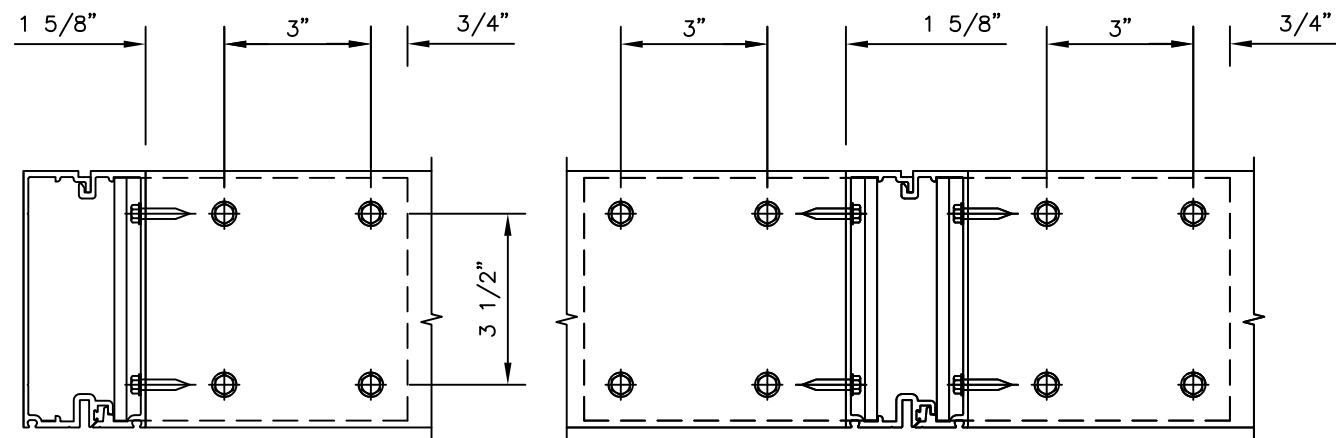
SHEET: 12/16

# HEAD/SILL ANCHOR DETAILS



ANCHOR SCHEDULE			
BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
WOOD (S.G. = 0.5 MIN)	1/4" DIA. SHEET METAL SCREW (300 SERIES SS MIN)	2"	1"
METAL STUD (16 Ga, 45 ksi MIN.)	1/4" DIA. ITW TEKS SCREW 1/4" DIA. ELCO DRIL-FLEX 1/4" DIA. HILTI KWIK-FLEX 1/4" DIA. F-TYPE THREAD FORMING SCREW (SAE Gr. 5 MIN)	FULL (SEE NOTE)	3/4"

- ANCHOR CHART NOTES:  
 1. AT METAL STUDS, FASTENER THREADS MUST FULLY PENETRATE THE STUD WALL, WITH THREE ADDITIONAL THREADS BEYOND, FOR FULL EMBEDMENT.



20  
13

21  
13

22  
13

REV.#	DATE	DESCRIPTION
4/13/21	10/12/20	DRAFTING REVISION
10/12/20		1ST SUBMITTAL
		PRINTS ISSUED FOR REV.#

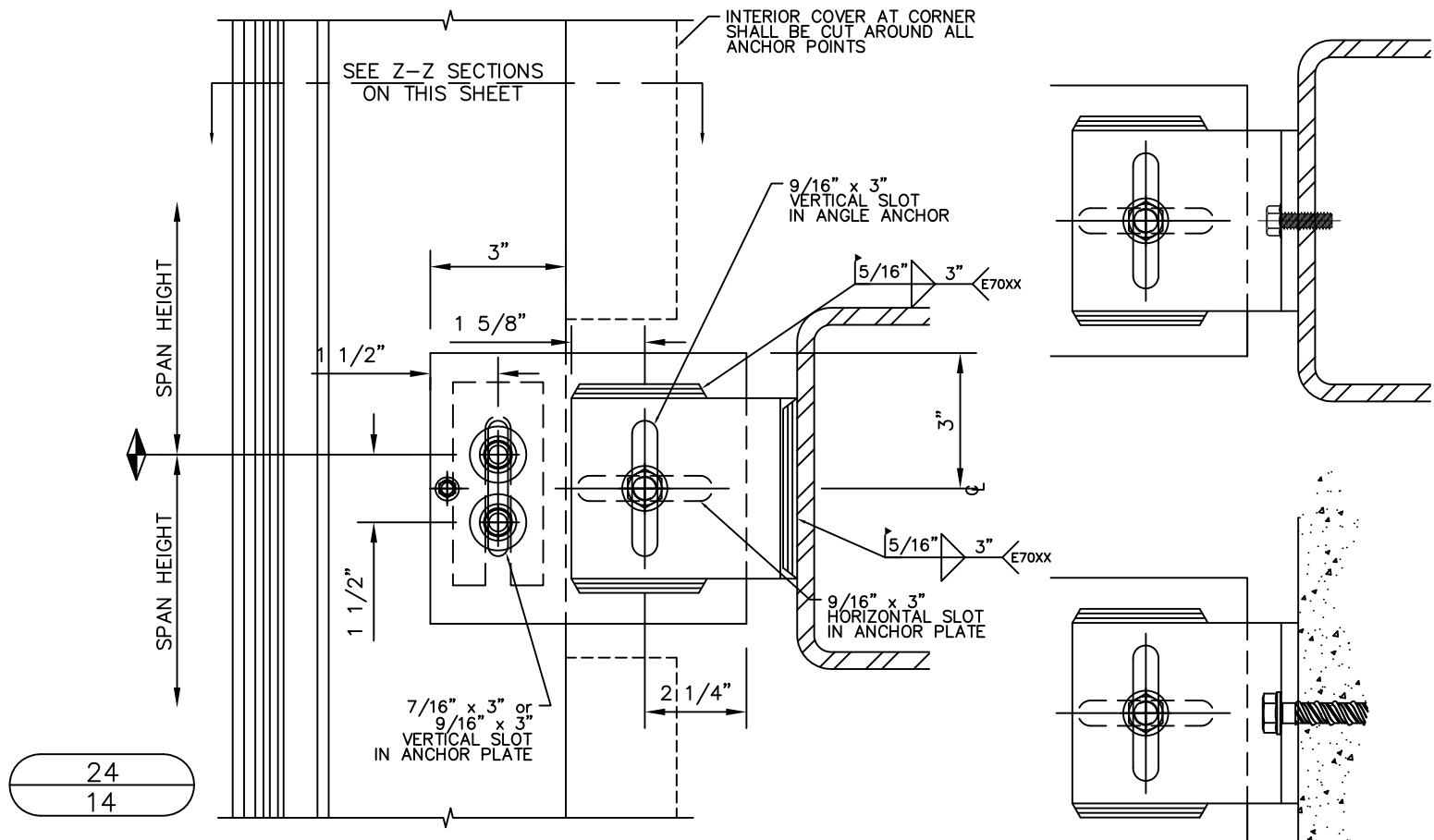
**KAWNEER**  
 AN ARCONIC COMPANY  
 555 GUTHRIDGE COURT  
 NORCROSS, GA 30092  
 PH: (770) 449-5555  
 WWW.KAWNEER.COM



10/27/2021  
 LUCAS TURNER  
 TX PE 115094  
 TURNER ENGINEERING & CONSULTING, INC.,  
 TBPE REG. #18075  
 2428 OLD NATCHEZ TRACE TRL.  
 CAMDEN, TN, 38320  
 PH 941-380-1574

PRODUCT: CLEARWALL CURTAINWALL SYSTEM  
 DWG: CLRWL-IR  
 SECTION: 6  
 SHEET: 13/16

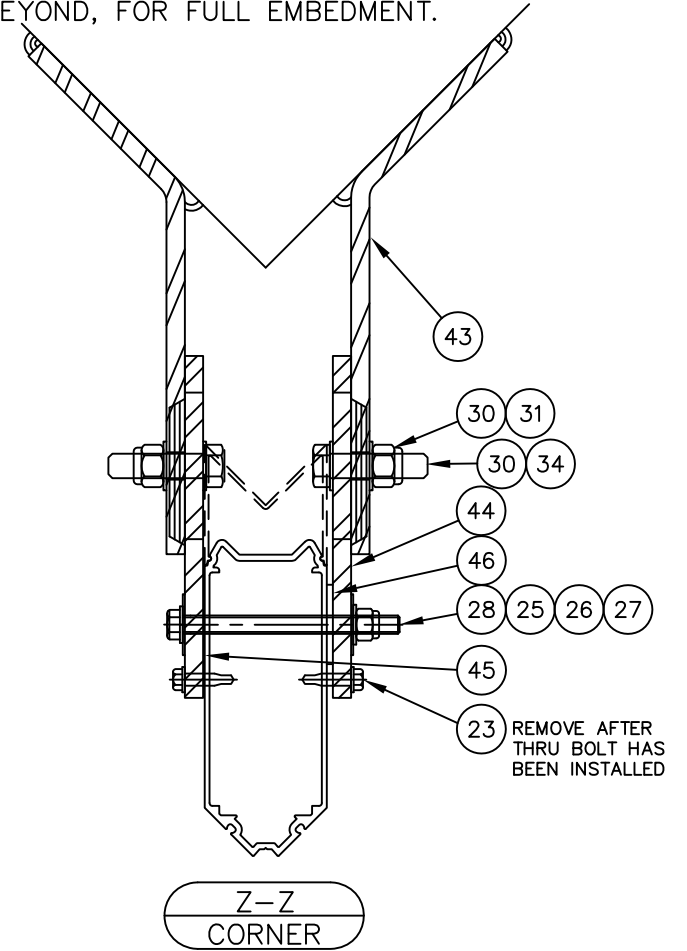
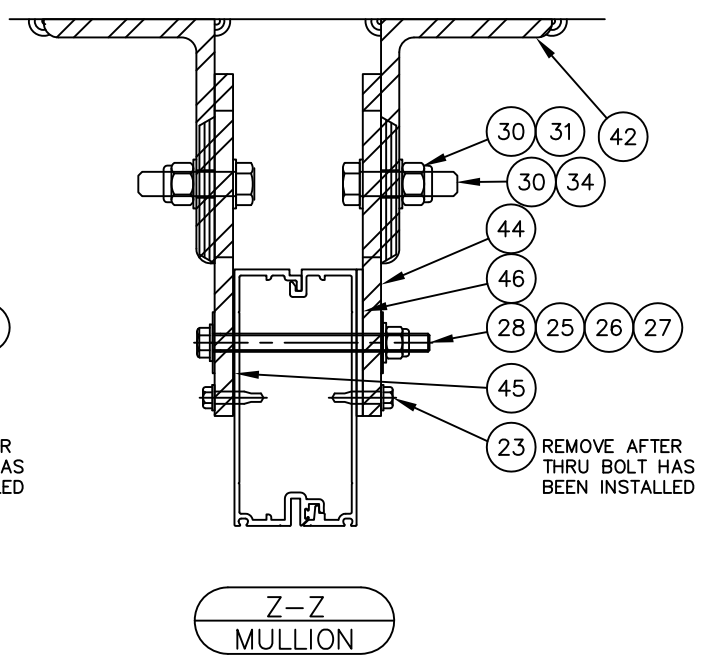
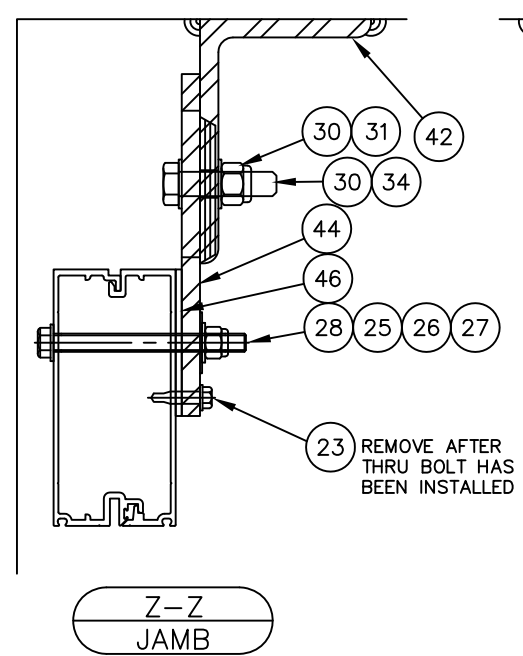
# MID-SPAN ANCHOR DETAILS



24  
14

ANCHOR SCHEDULE			
MULLION BOLTS			
	FASTENER TYPE	MAX. ANCHOR REACTION	
	3/8" DIA. HH BOLT, LOCK-NUT & WASHERS (2) PER MULLION, 300 SERIES SS MIN	2180 lb.	
	1/2" DIA. HH BOLT, LOCK-NUT & WASHERS (2) PER MULLION, 300 SERIES SS MIN	3754 lb.	
STEEL ANCHOR PLATE TO STEEL ANGLE BOLTS			
	FASTENER TYPE	MAX. ANCHOR REACTION	
	1/2" DIA. HH BOLT, LOCK-NUT & WASHERS (1) PER ANGLE, 300 SERIES SS MIN	3754 lb.	
STEEL ANGLE TO BASE MATERIAL			
BASE MATERIAL	FASTENER TYPE	EMBEDMENT (MIN)	EDGE DISTANCE (MIN)
CONCRETE (4000 psi MIN)	1/2" DIA. POWERS WEDGE BOLT (1) PER ANGLE	3 1/2"	4"
	1/2" DIA. HILT KWIK HUS-EZ (1) PER ANGLE	3 1/2"	4"
STEEL (1/4" Thick, 36 ksi MIN.)	1/2" DIA. 13 THREADS PER INCH ELCO TAP-FLEX (1) PER ANGLE	FULL (SEE NOTE)	1 1/4"
	1/2" DIA. 13 TPI F-TYPE THREAD FORMING SCREW (1) PER ANGLE, SAE Gr. 5 MIN		
	1/2" DIA. 13 TPI THRU-BOLT, LOCK-NUT, & WASHERS (1) PER ANGLE, 300 SERIES SS MIN		

**ANCHOR CHART NOTES:**  
 1. FOR THREAD FORMING SCREWS IN STEEL, FASTENER THREADS MUST FULLY PENETRATE WALL THICKNESS OF THE STEEL, WITH THREE ADDITIONAL THREADS BEYOND, FOR FULL EMBEDMENT.



DATE	REV.#	ISSUED FOR	PRINTS	SUBMITTAL	REVISION
4/13/21					
10/12/20					

**KAWNEER**  
 AN ARCONIC COMPANY

PH: (770) 449-5555  
 WWW.KAWNEER.COM

555 GUTHRIDGE COURT  
 NORCROSS, GA 30092



10/27/2021  
 LUCAS TURNER  
 TX PE 115094  
 TURNER ENGINEERING & CONSULTING, INC.,  
 TBPE REG. #18075  
 2428 OLD NATCHEZ TRACE TRL.  
 CAMDEN, TN, 38320  
 PH 941-380-1574

PRODUCT: CLEARWALL CURTAINWALL SYSTEM

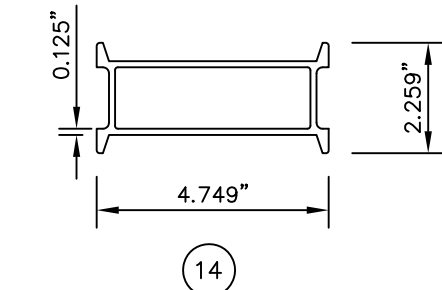
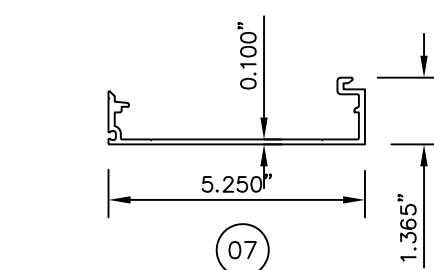
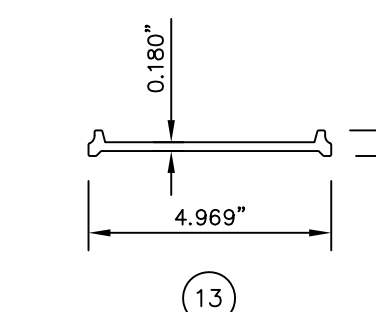
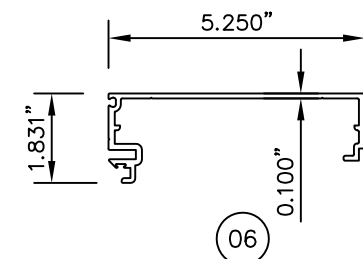
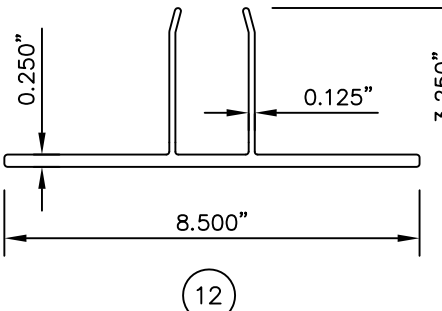
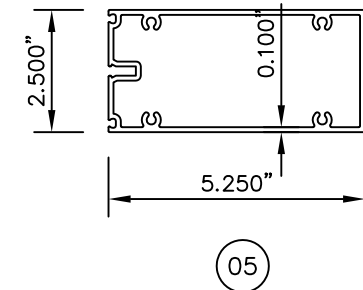
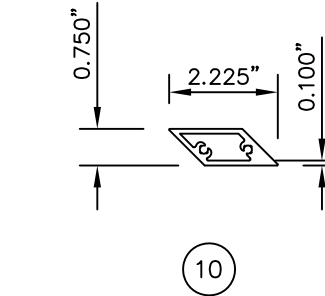
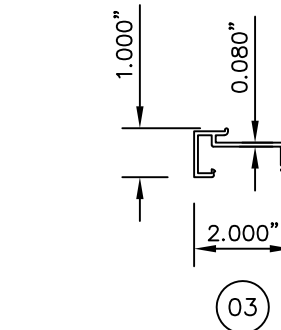
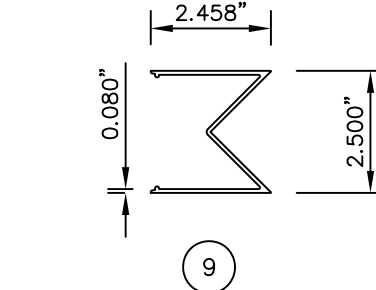
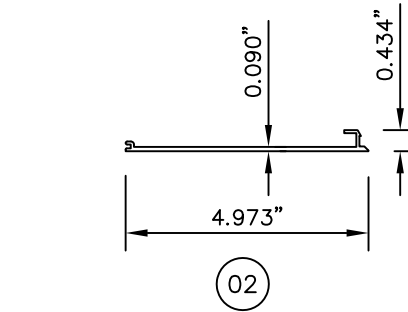
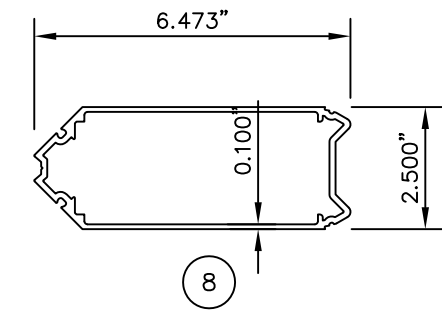
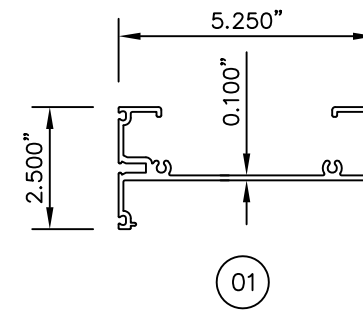
DWG: CLRWL-IR

SECTION: 6

SHEET: 14/16

# BILL OF MATERIALS

NO.	PART NO.	DESCRIPTION	DIMENSIONS	MATERIAL
EXTRUSIONS				
01	172010	5-1/4" HEAD/SILL HORIZ.	2.500 x 5.250 x 0.100	6063 T6 ALUMINUM
02	162020	5-1/4" OPEN BACK FILLER	0.434 x 4.973 x 0.090	6063 T6 ALUMINUM
03	172017	SSI PERIMETER TRIM	1.000 x 2.000 x 0.080	6063 T6 ALUMINUM
04	172203	PERIMETER TRIM SLEEVE	0.750 x 0.250 x 2.500	6063 T6 ALUMINUM
05	172009	5-1/4" HORIZONTAL	2.500 x 5.250 x 0.100	6063 T6 ALUMINUM
06	172003	5-1/4" MALE MULLION	1.831 x 5.250 x 0.100	6063 T6 ALUMINUM
07	172004	5-1/4" FEMALE MULLION	1.365 x 5.250 x 0.100	6063 T6 ALUMINUM
08	162254	SSG CORNER MULLION	2.500 x 6.473 x 0.100	6063 T6 ALUMINUM
09	162255	SSG CORNER COVER	2.500 x 2.458 x 0.080	6063 T6 ALUMINUM
10	172025	CORNER INTERFACE	2.217 x 0.750 x 0.100	6063 T6 ALUMINUM
11	169212	HEAD/SILL ANGLE ANCHOR	3.500 x 6.000 x 0.250 x 4.969	6063 T6 ALUMINUM
12	162549	"T" ANCHOR	3.250 x 8.500 x 0.250 x 8.811	6063 T6 ALUMINUM
13	172202	5-1/4" MULLION SPLICE SLEEVE	5.227 x 4.969 x 0.180 x 12.000	6063 T6 ALUMINUM
14	172231	MULLION SLEEVE	2.260 x 4.750 x 0.125 x 12.000	6063 T6 ALUMINUM
15	172225	CORNER SHEAR BLOCK	1.460 x 1.660 x 0.125 x 7.071	6063 T6 ALUMINUM
16	172226	CORNER SHEAR BLOCK	1.500 x 0.750 x 0.125 x 7.776	6063 T6 ALUMINUM
17	172227	CORNER SHEAR BLOCK	1.500 x 0.750 x 0.125 x 7.776	6063 T6 ALUMINUM
18	128509	SPLINE SCREW	#12 x 1" AB HHTF	300 SERIES STAINLESS STEEL
19	128396	SHEAR BLOCK SCREW	#12 x 7/16" B PHTF	430 SERIES STAINLESS STEEL
20	128405	SHEAR BLOCK SCREW	#12 x 7/8" AB FHTF	300 SERIES STAINLESS STEEL
21	128267	SHEAR BLOCK SCREW / SPLICE SCREW	#12 x 1" AB PHTF	300 SERIES STAINLESS STEEL
22	128388	JAMB SPLICE SCREW	#12 x 3" AB FHTF	300 SERIES STAINLESS STEEL
23	128402	TEMPORARY ANCHOR ATTACHMENT SCREW	1/4" -14 x 1" HWHSFSD	300 SERIES STAINLESS STEEL
24	977176	ANCHOR BOLT	3/8"-16 x 4" HEX BOLT	300 SERIES STAINLESS STEEL
25	128596	FLAT WASHER	3/8" WASHER	300 SERIES STAINLESS STEEL
26	128392	ANCHOR NUT	3/8-16 HEX LOCKNUT	300 SERIES STAINLESS STEEL
27	216301	SLIP WASHER	3/8" FENDER WASHER	300 SERIES STAINLESS STEEL
28	128918	ANCHOR BOLT	3/8"-16 x 4-1/2" HEX BOLT	300 SERIES STAINLESS STEEL
29	PURCHASE	ANCHOR BOLT	1/2"-13 x 4" HEX BOLT	300 SERIES STAINLESS STEEL
30	128260	FLAT WASHER	1/2" WASHER	300 SERIES STAINLESS STEEL
31	128391	ANCHOR NUT	1/2-13 HEX LOCKNUT	300 SERIES STAINLESS STEEL
32	PURCHASE	SLIP WASHER	1/2" FENDER WASHER	300 SERIES STAINLESS STEEL
33	PURCHASE	ANCHOR BOLT	1/2"-13 x 4-1/2" HEX BOLT	300 SERIES STAINLESS STEEL
34	128393	ANCHOR BOLT	1/2-13 x 2" HEX BOLT	300 SERIES STAINLESS STEEL
35	028266	REINFORCING ATTACHMENT SCREW	#10 x 3/4" PHTFS	CARBON STEEL
36	028687	REINFORCING ATTACHMENT SCREW	1/4" x 1-1/2" PHTFS	CARBON STEEL
37	904208	REINFORCING ATTACHMENT SCREW	1/4-20 x 1-1/2" FHTC D @ 48" OC	CARBON STEEL
38	PURCHASE	ELCO ULTRACON CONCRETE SCREW	1/4" x 2-1/4"	CARBON STEEL STALGUARD COATED
39	PURCHASE	STEEL BAR REINFORCING	0.375 x 4.000 x SEE ELEVATION	GRADE 50 STEEL
40	162301	STEEL REINFORCING	1.750 x 4.560 x 0.164 x SEE ELEV	GRADE 50 STEEL
41	162302	STEEL REINFORCING	1.500 x 3.810 x 0.164 x SEE ELEV	GRADE 50 STEEL
42	PURCHASE	STEEL ANGLE ANCHOR	3.500 x 5.000 x 0.375 x 4.000 LONG	GRADE A36 STEEL
43	PURCHASE	BENT STEEL ANCHOR	4.000 x 8.500 x 0.375 x 4.000 LONG	GRADE A36 STEEL
44	PURCHASE	STEEL ANCHOR PLATE FOR 3/8" ANCHOR BOLT	7.000 x 6.000 x 0.375	GRADE A36 STEEL
45	027477	SEPARATOR	2.000 X 4.500 X 0.031	THERMAL-TORK TN-9004
46	PURCHASE	SHIM	0.125 THICK	PLASTIC
47	127159	SG TAPE	0.500 x 0.250	POLYURETHANE FOAM
48	127164	3M VHB SG TAPE B23F	0.875 x 0.090	CONFORMABLE ACRYLIC FOAM (CLOSED CELL)
49	162120	TEMPORARY CORNER GLAZING	1.915 x 5.083 x 0.100 x 4.000	6063 T6 ALUMINUM
50	028961	TEMPORARY CORNER GLAZING CLIP SCREW	1/4-20 x 4" PHMS TYPE 1	300 SERIES STAINLESS STEEL
51	027857	FIXED GASKET	0.310 x 0.360	SHORE "-A" 70±5 DUROMETER EPDM
52	PURCHASE	STEEL ANCHOR PLATE FOR 1/2" ANCHOR BOLT	7.000 x 6.000 x 0.375	GRADE A36 STEEL
53	128348	CROSS RECESSED COUNTER SUNK SCREW	#10-16 x 1-1/4" FHSD	300 SERIES STAINLESS STEEL

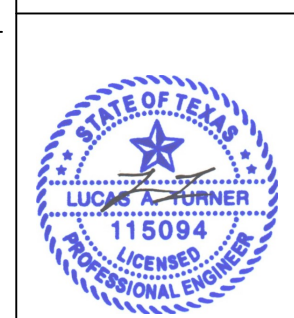


DATE	10/12/20
REV.#	4/13/21
ISSUED FOR	PRINTS
FOR	TST SUBMITTAL
REVISION	DRAFTING

**KAWNEER**  
AN ARCONIC COMPANY

PH: (770) 449-5555  
WWW.KAWNEER.COM

555 GUTHRIDGE COURT  
NORCROSS, GA 30092



10/27/2021  
LUCAS TURNER  
TX PE 115094  
TURNER ENGINEERING & CONSULTING, INC.,  
TBPE REG. #18075  
2428 OLD NATCHEZ TRACE TRL.  
CAMDEN, TN, 38320  
PH 941-380-1574

**PRODUCT:**  
CLEARWALL CURTAINWALL SYSTEM

**DWG:** CLRWL-IR

**SECTION:** 7

**SHEET:** 15/16

