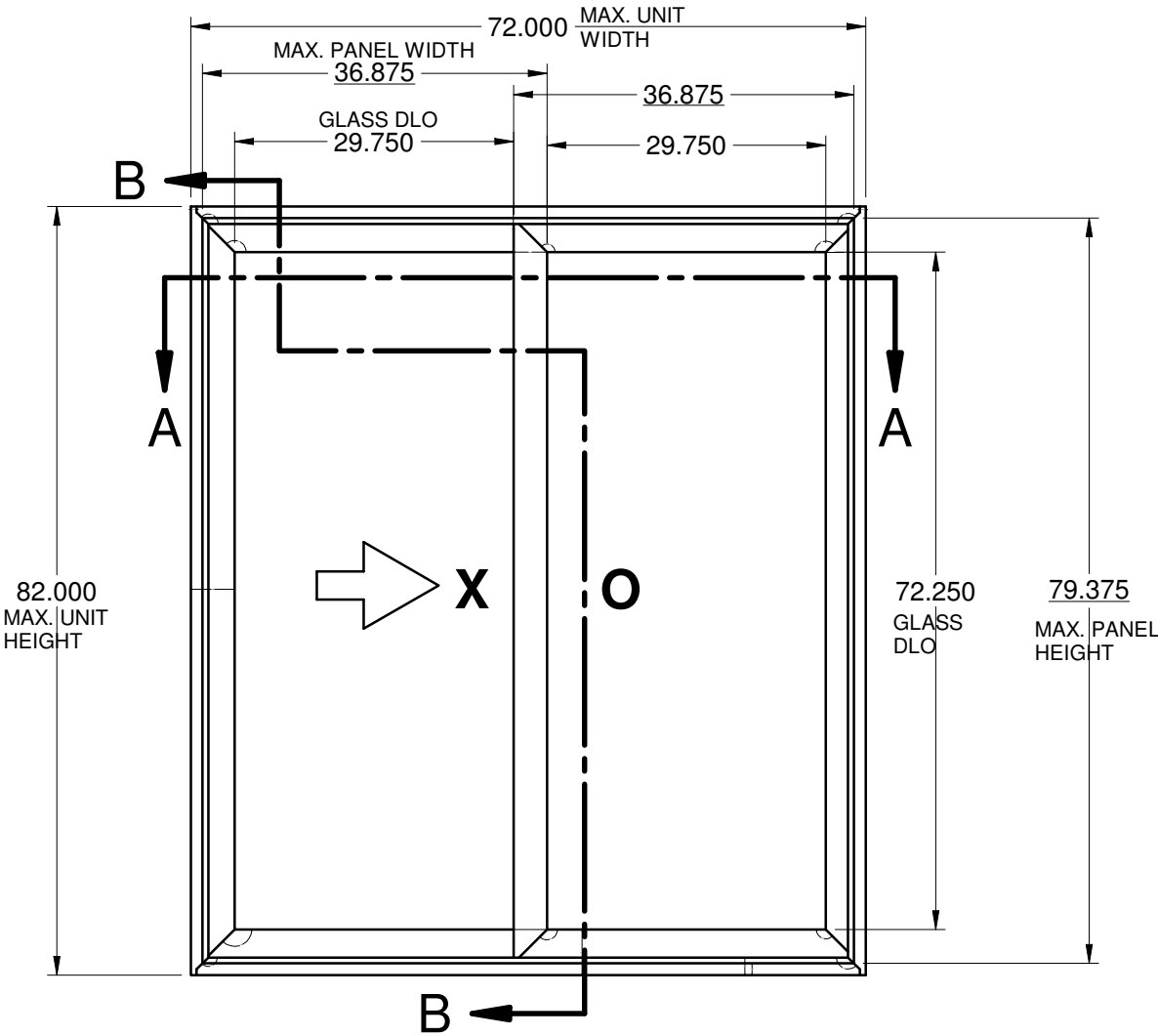


SLIDING GLASS DOOR - IMPACT



GENERAL NOTES:

- 1.) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC),CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2.) GLAZING OPTIONS: (SEE SHT. 8)
- 3.) APPROVED CONFIGURATIONS: "XO", "OX", "XX", "OXO", "OXXO", "XXXX", "OXXXXO", "XXXXXX", "Xp", "pX", "XXp", "pXX", "pXXp", "pXXXXp", "XXXp", "pXXX", "pXXXXXp".
- 4.) DESIGN PRESSURE RATING:
-NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04/09.
-POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATIONTEST RESSURE AND ASTM E-1300-04/09.
- 5.) ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 11 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 6.) THIS PRODUCT IS IMPACT LARGE MISSILE RESISTANT. IMPACT PROTECTIVE SYSTEMS (SHUTTERS) ARE NOT REQUIRED.
- 7.) ALL FRAMES ARE PROCESSED AND SCREWED TOGETHER. ALL VENTS FULLY WELDED.
- 8.) SERIES / MODEL DESIGNATION: SGD-1550.
- 9.) THE DESIGNATION "X" OR "O" STAND FOR THE FOLLOWING:
"X" = OPERABLE PANEL, "O" = FIXED PANEL.
- 10.) SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
- 11) WEEP SLOTS = 0.297" x 1.794", 3" FROM EACH END ON ALL CONFIGURATIONS.

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Lucas Turner
2020.10.01
16:55:26 -05'00'

MAX. PANEL SIZE	GLASS TYPE	DESIGN PRESSURE RATING	IMPACT RATING
36 7/8" x 79 3/8"	A	SEE DESIGN PRESSURE CHART	LARGE MISSILE
48 7/8" x 93 3/8"	B	SEE DESIGN PRESSURE CHART	LARGE MISSILE
60 7/8" x 93 3/8"	C	SEE DESIGN PRESSURE CHART	LARGE MISSILE
48 7/8" x 117 3/8"	C	SEE DESIGN PRESSURE CHART	LARGE MISSILE

LUCAS A. TURNER, FL P.E. 58201

PROFESSIONAL ENGINEER
LICENSE
No. 58201
10/1/2020

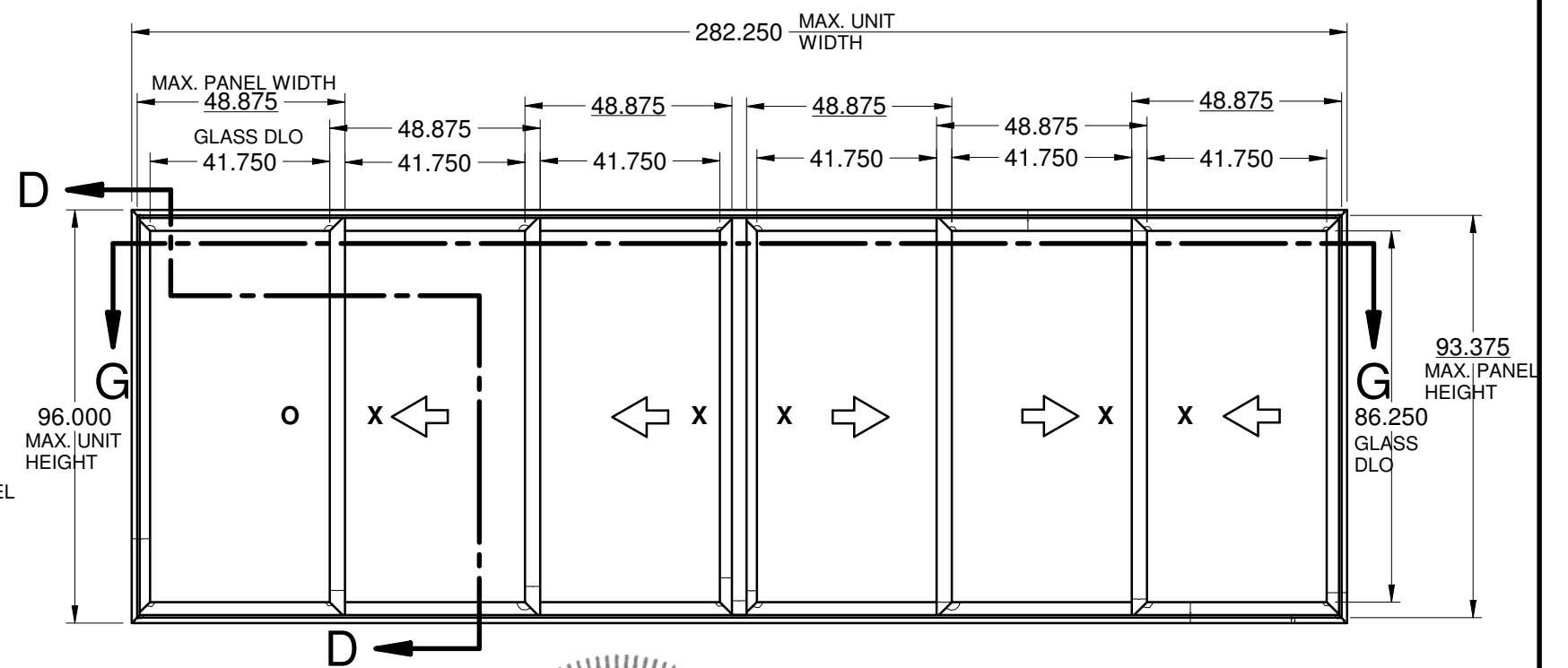
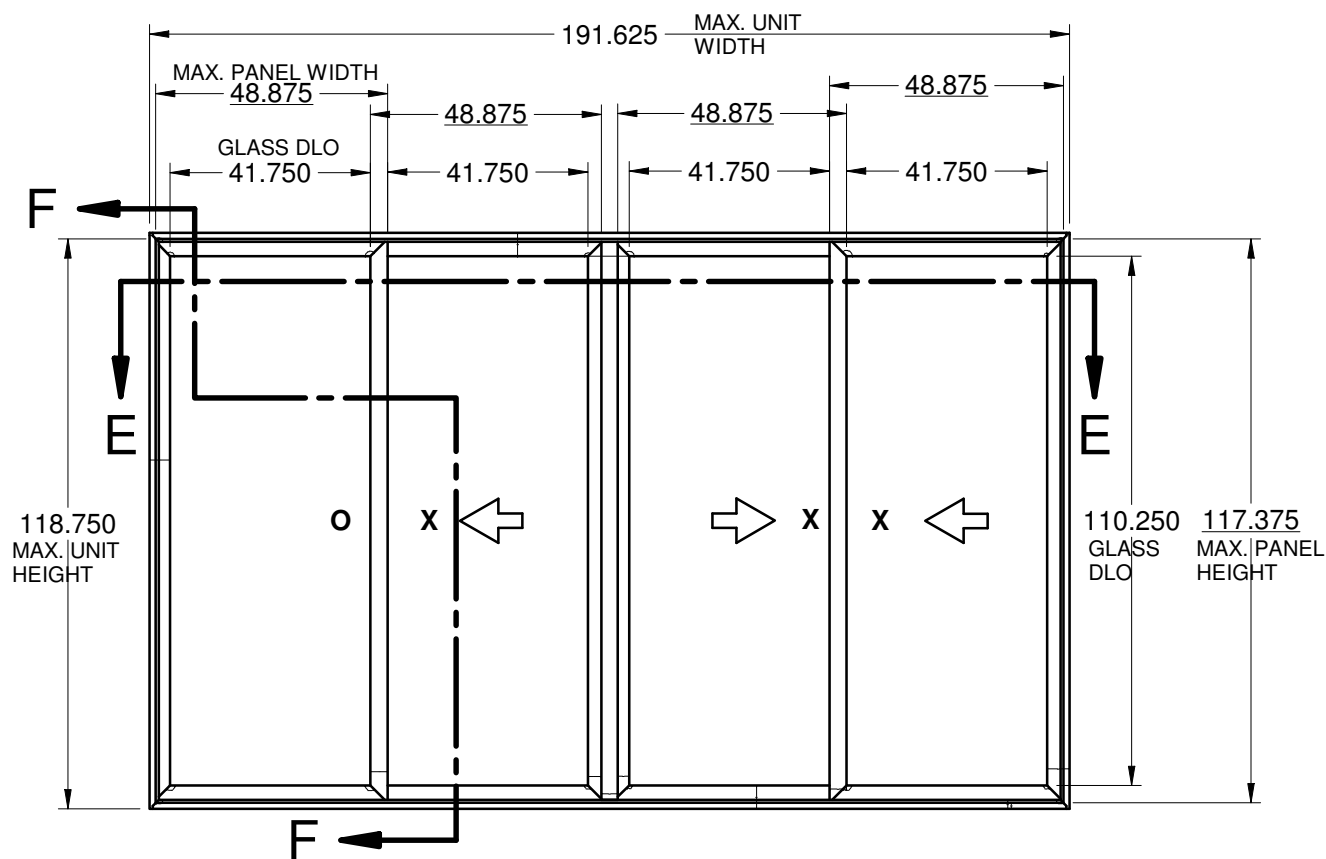
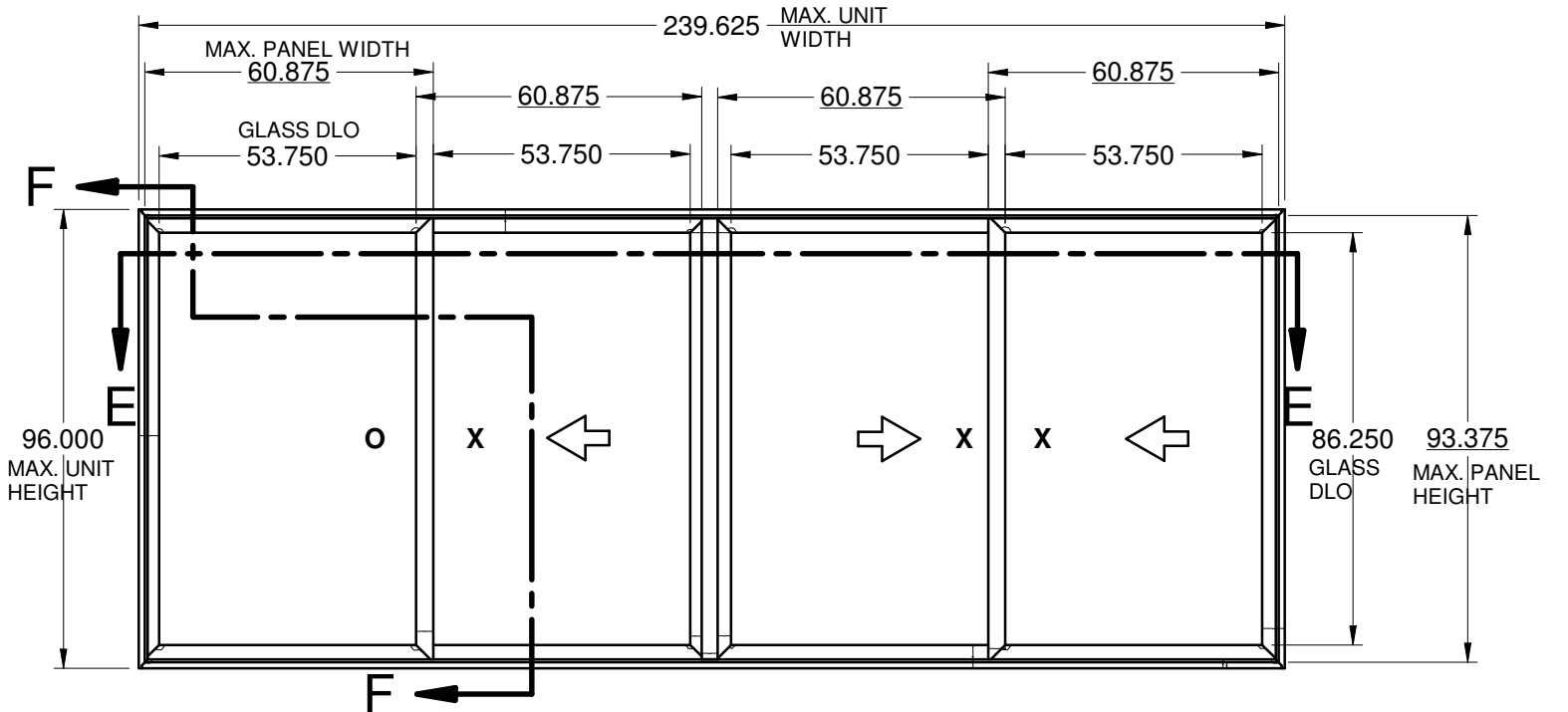
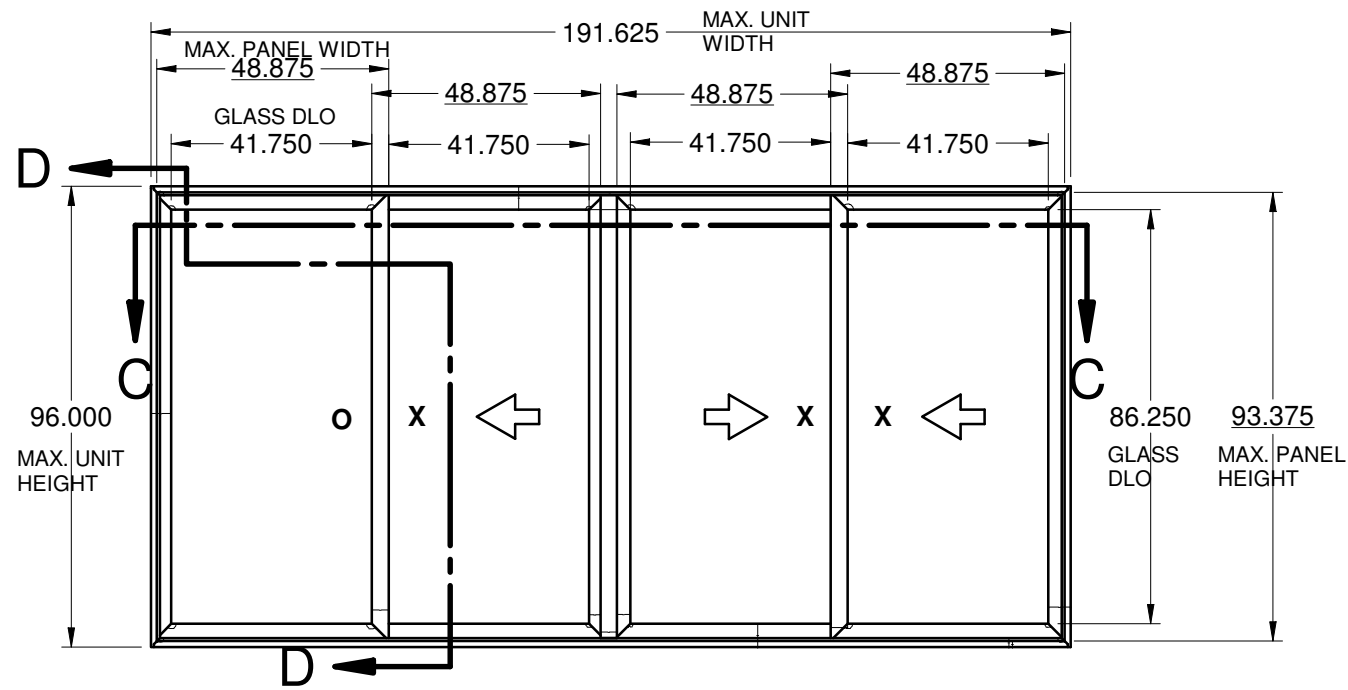
Lucas A. Turner, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

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INDUSTRIES, INC.

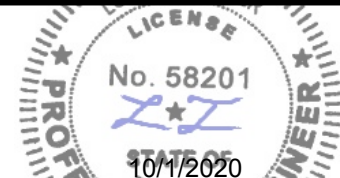
8501 N. W. 90th Street
Medley, FL 33166

TITLE: GENERAL NOTES & ELEVATIONS

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 1 of 30



LUCAS A. TURNER, FL P.E. 58201

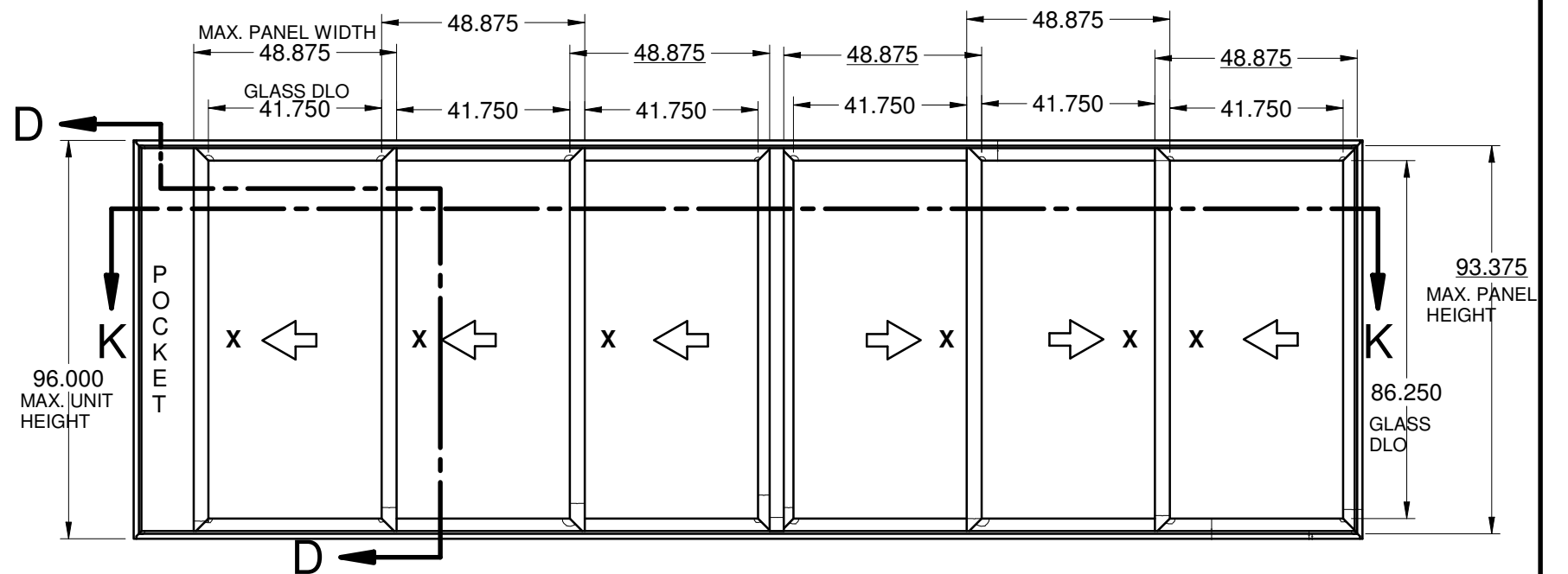
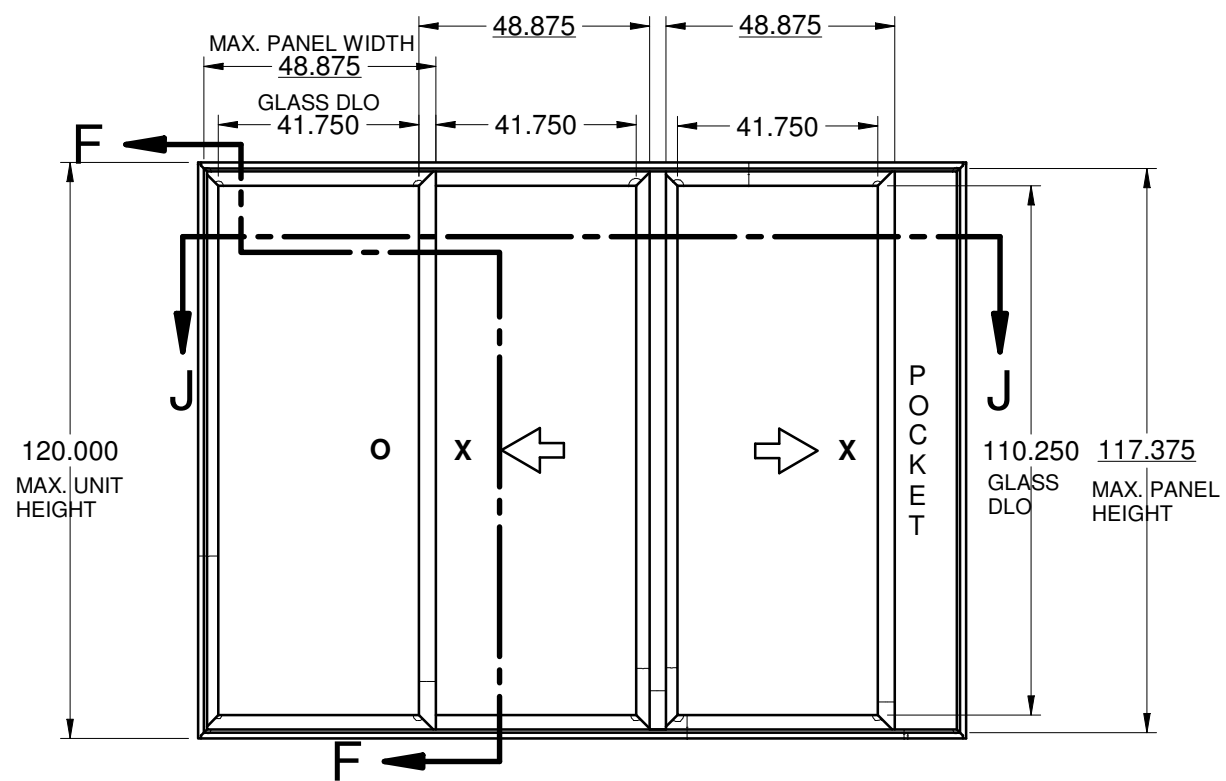
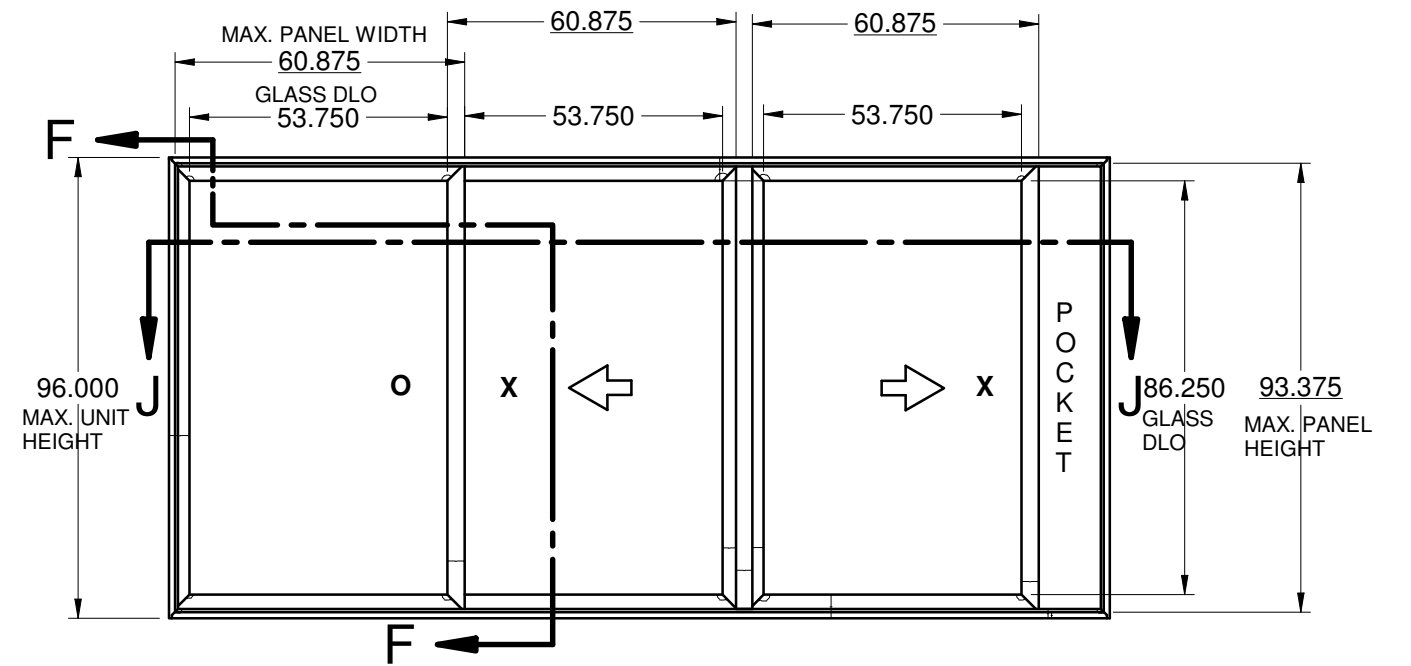
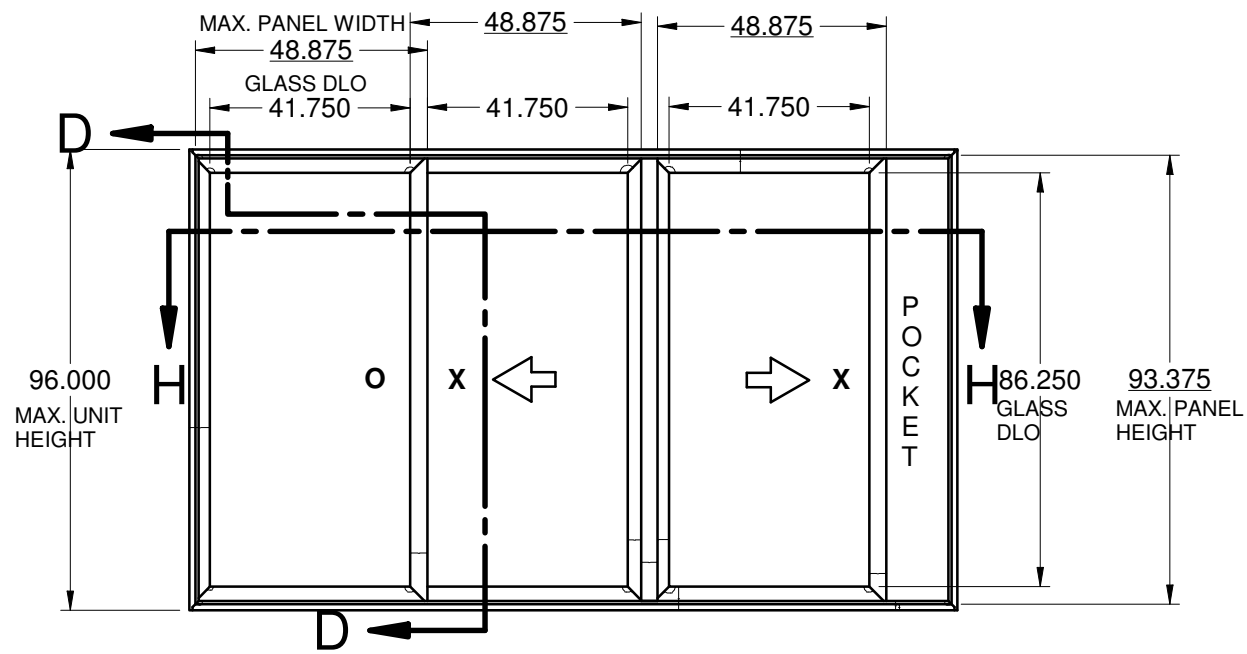

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 Turner Eng. & Cons., Inc.
 FBPE COA #29779
 2428 Old Natchez Trc. Trl.
 Camden, TN 38320
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8501 N. W. 90th Street
Medley, FL 33166

TITLE: ELEVATIONS, CONT'D

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 2 of 30



LUCAS A. TURNER, FL P.E. 58201

LICENSE
No. 58201
10/1/2020
Lucas A. Turner, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

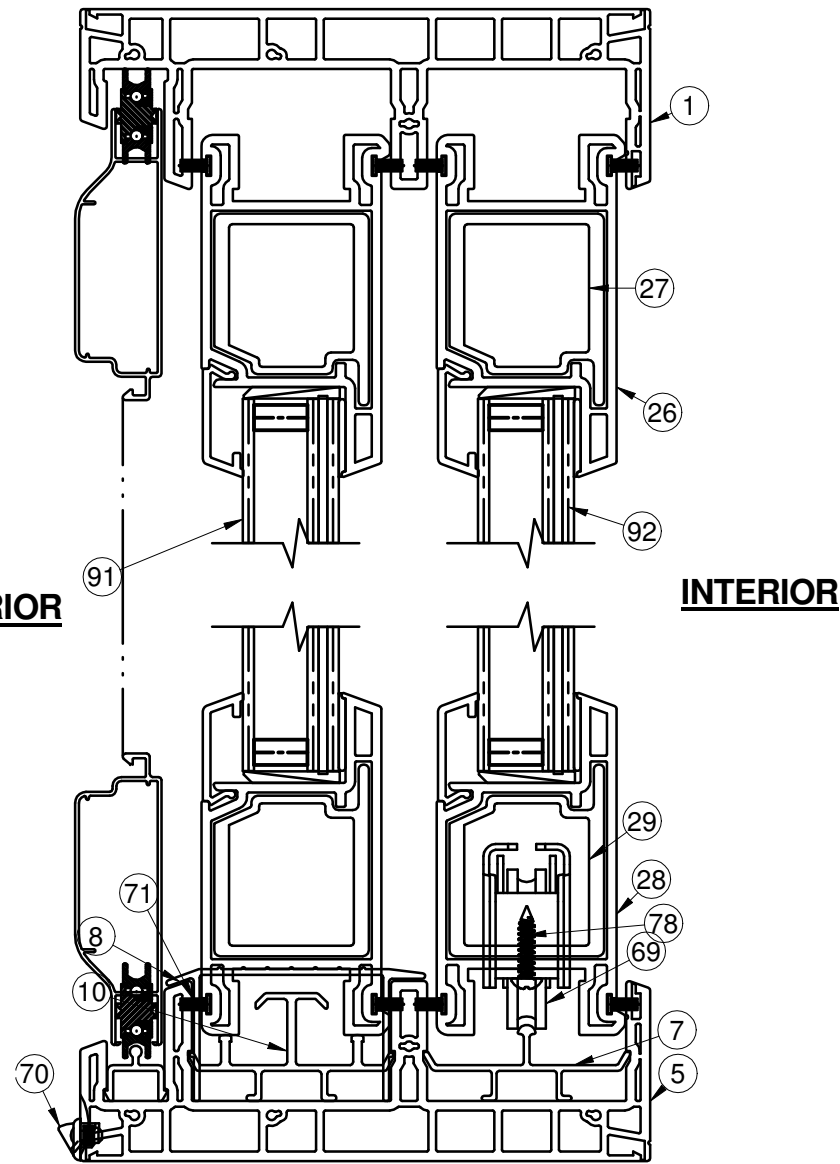
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INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

TITLE: ELEVATIONS, CONT'D

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 3 of 30

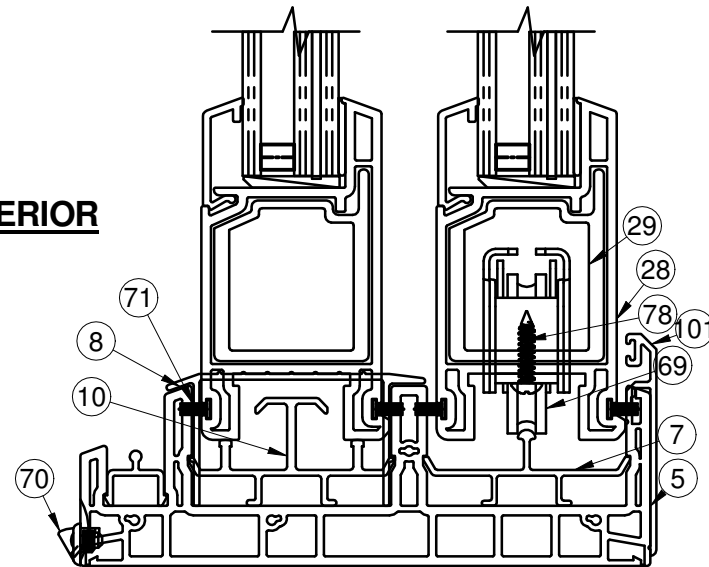
EXTERIOR



SECTION B - B
VERTICAL SECTION

INTERIOR

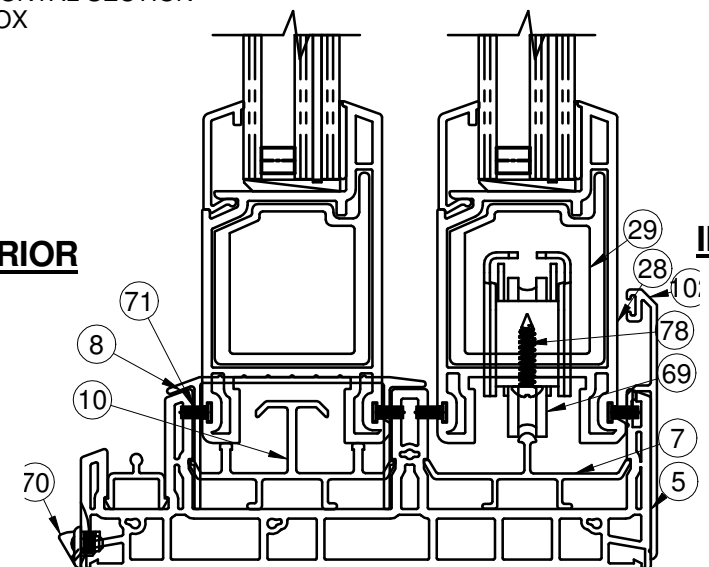
EXTERIOR



ALTERNATE SECTION
WITH 1/2" SILL RISER

INTERIOR

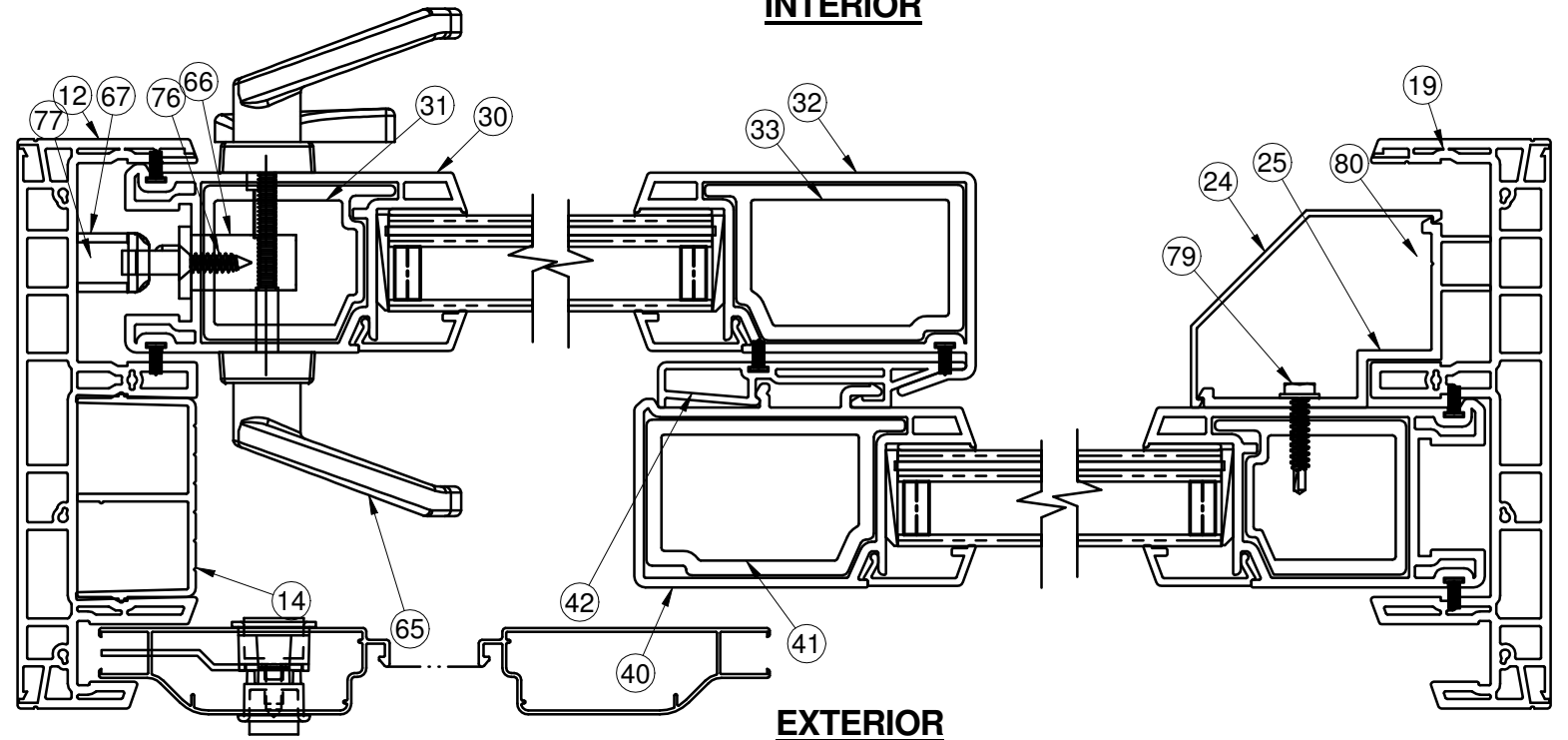
EXTERIOR



ALTERNATE SECTION
WITH 1" SILL RISER

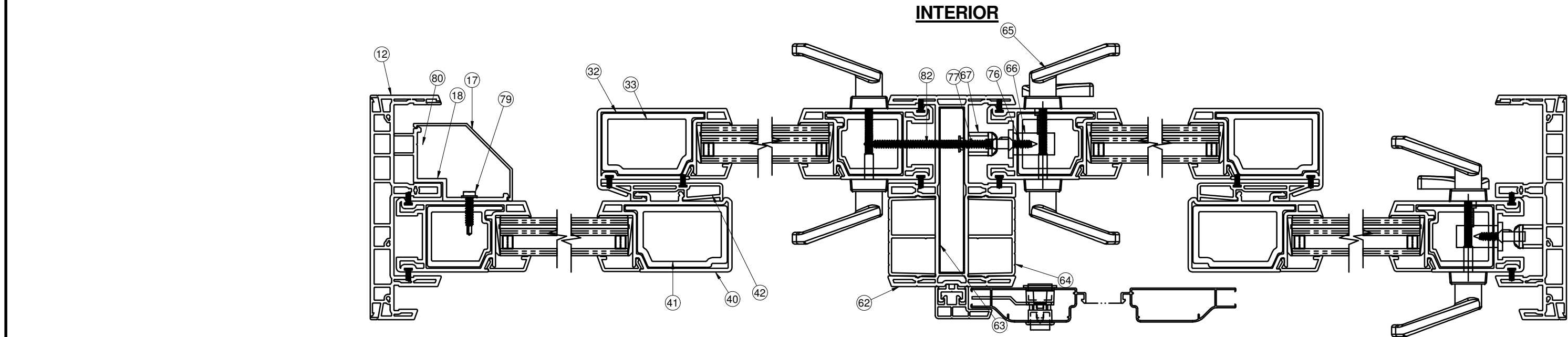
INTERIOR

INTERIOR



EXTERIOR

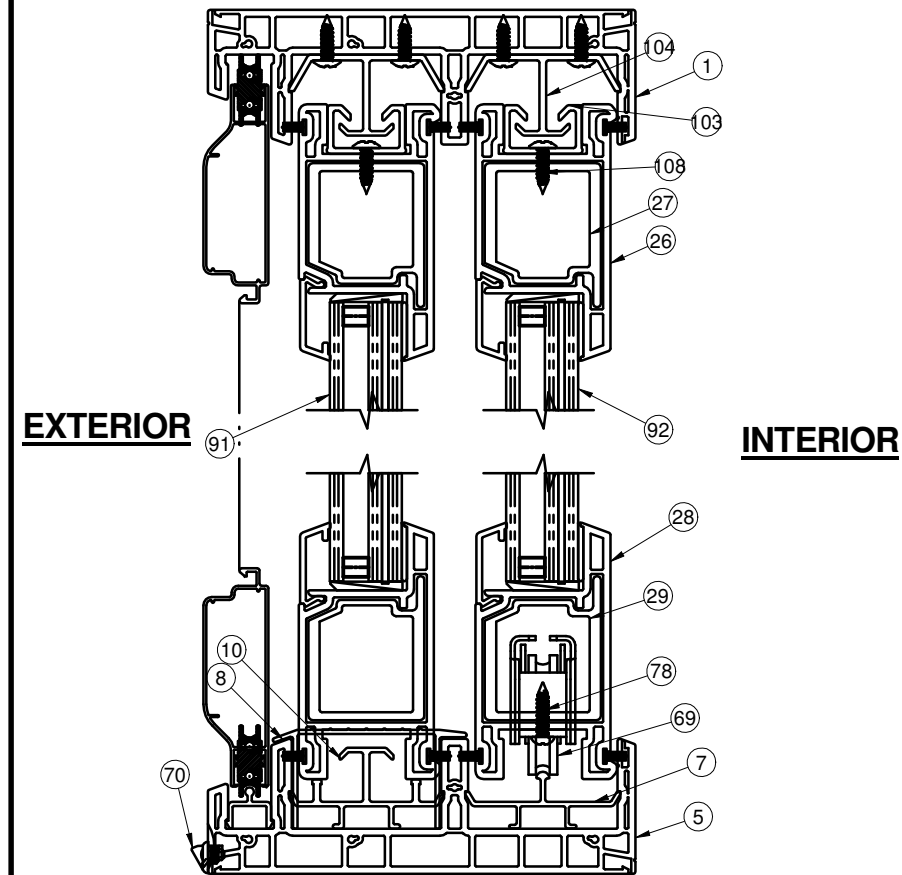
SECTION A - A
HORIZONTAL SECTION
XO or OX



EXTERIOR

INTERIOR

SECTION C - C
HORIZONTAL SECTION



EXTERIOR

INTERIOR

SECTION D - D
VERTICAL SECTION

LUCAS A. TURNER, FL P.E. 58201

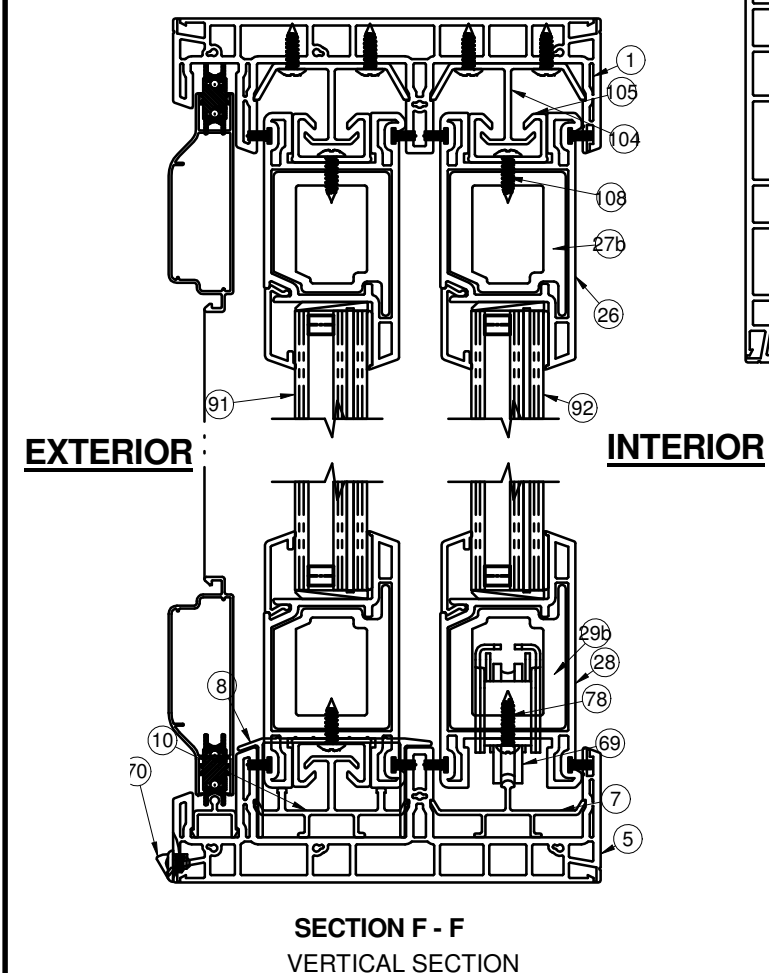
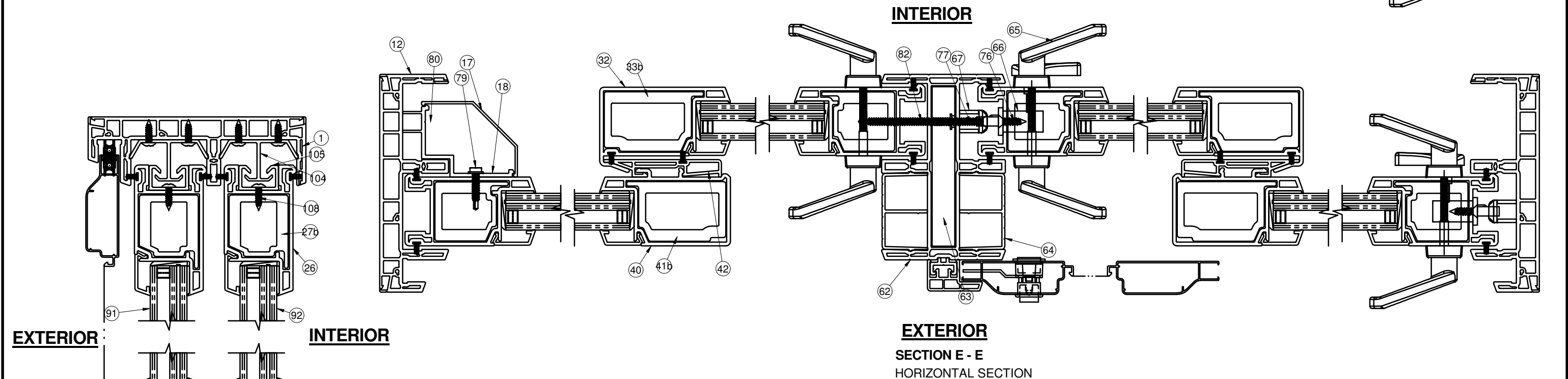
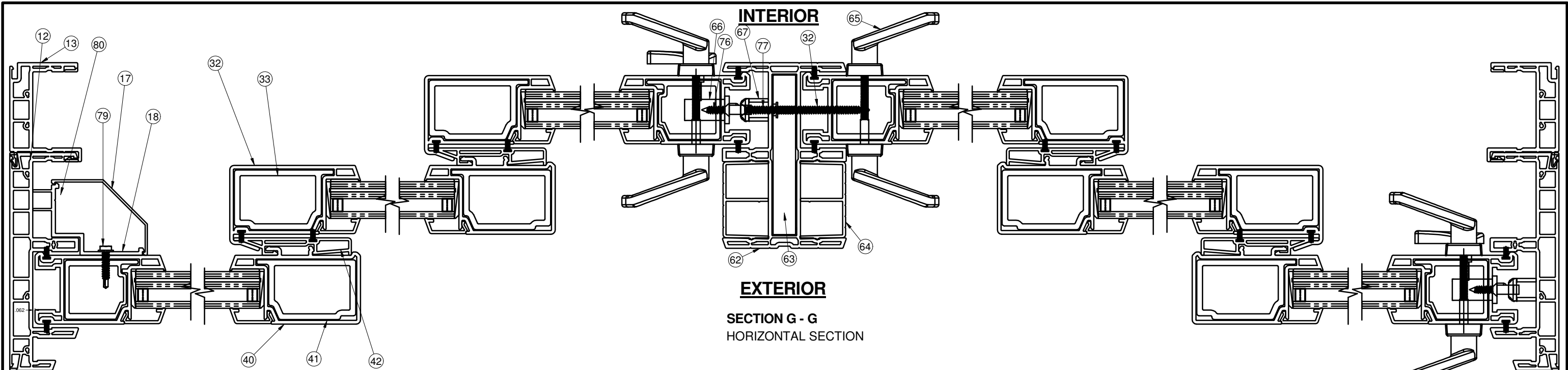
10/1/2020
Lucas A. Turner, FLPE #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

LAWSON
INDUSTRIES, INC.

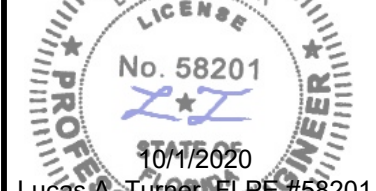
8501 N. W. 90th Street
Medley, FL 33166

TITLE: SECTION VIEWS

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 5 of 30



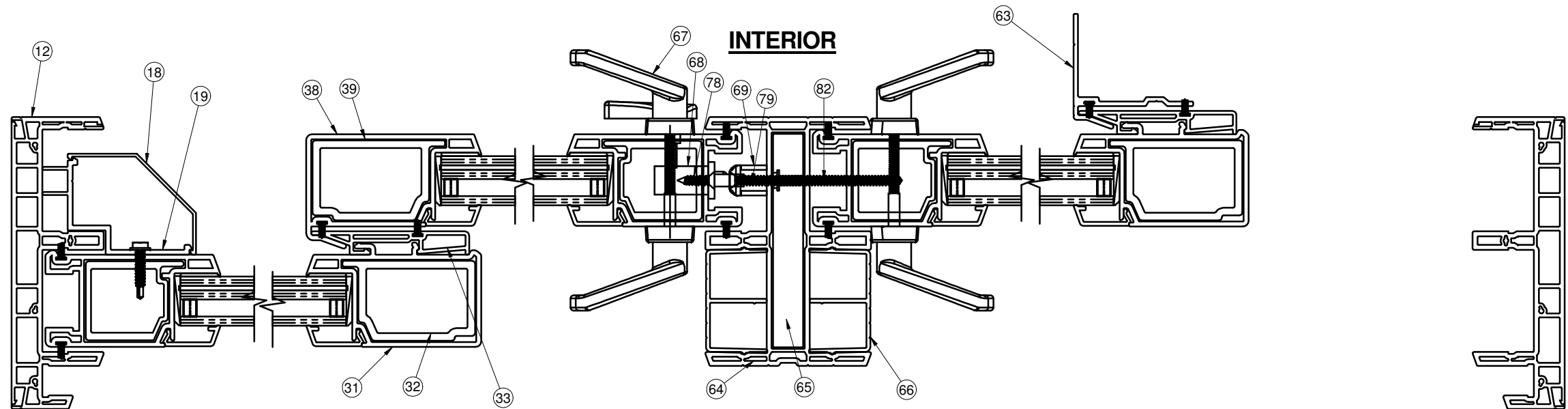
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Medley, FL 33166

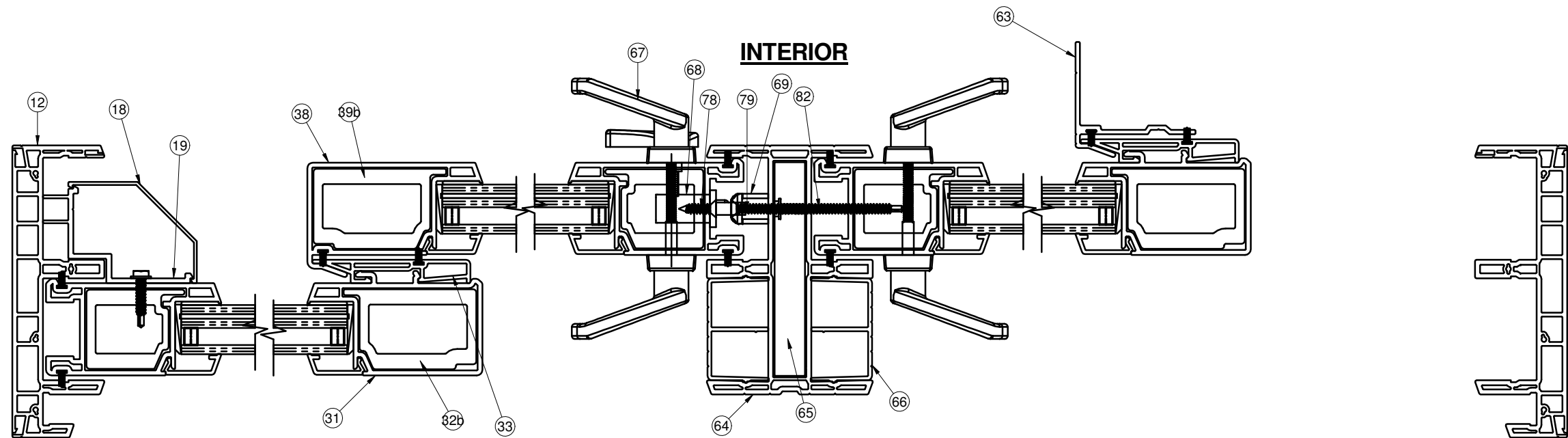
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SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 6 of 30



INTERIOR

EXTERIOR

SECTION H - H
HORIZONTAL SECTION



INTERIOR

EXTERIOR

SECTION J - J
HORIZONTAL SECTION

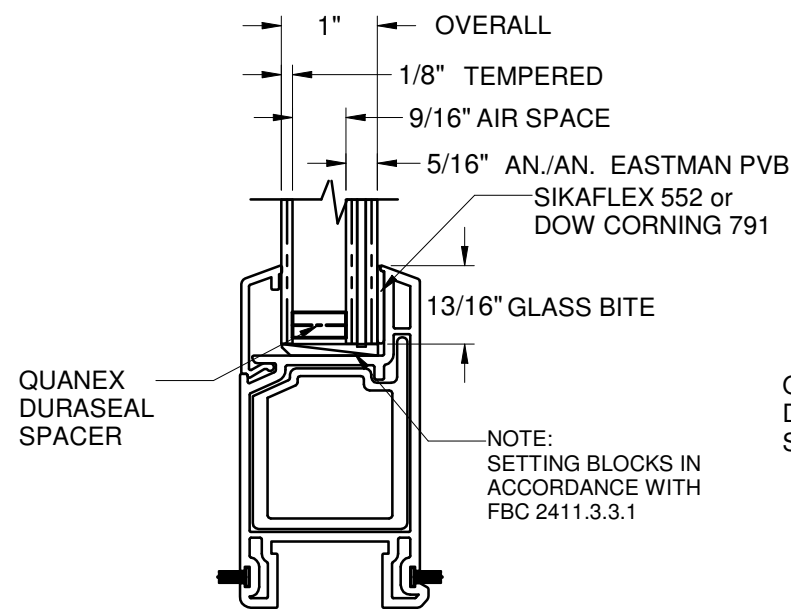
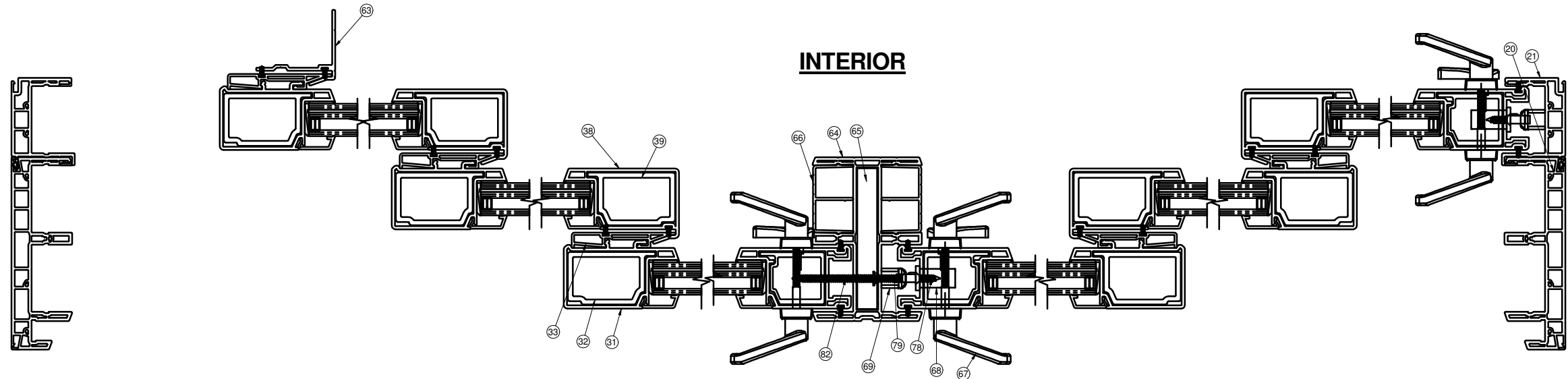
LUCAS A. TURNER, FL P.E. 58201

Professional Engineer Seal for Lucas A. Turner, FL P.E. 58201, dated 10/1/2020. Contact information for Turner Eng. & Cons., Inc. is provided.

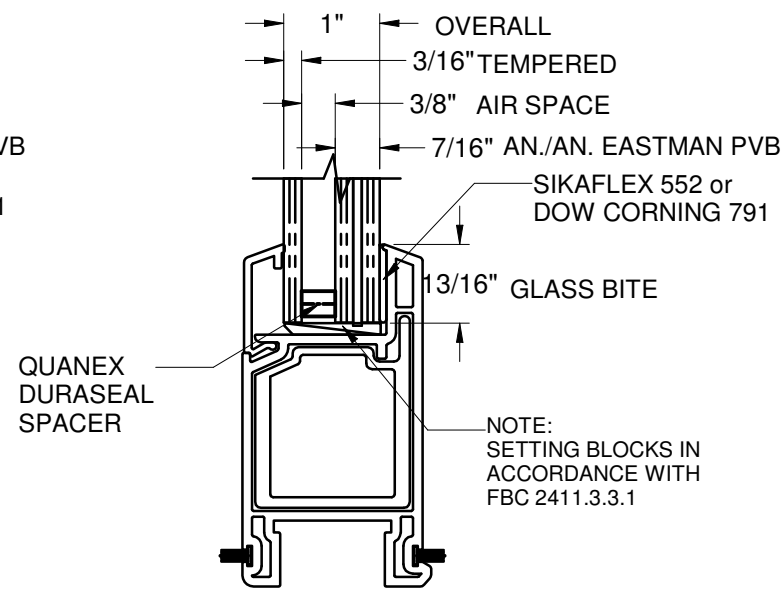


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Medley, FL 33166

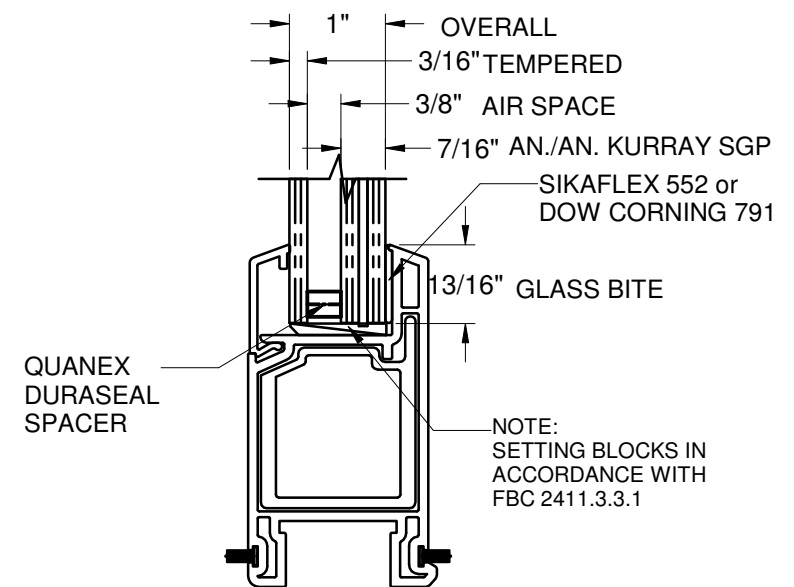
TITLE: SECTION VIEWS		
SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 7 of 30



GLASS TYPE A
FIXED AND
OPERABLE



GLASS TYPE B
FIXED AND
OPERABLE



GLASS TYPE C
FIXED AND
OPERABLE

LUCAS A. TURNER, FL P.E. 58201

PROFESSIONAL ENGINEER
LICENSE
No. 58201
10/1/2020
Lucas A. Turner, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

LAWSON
INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

TITLE: SECTION VIEWS

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 8 of 30

DESIGN PRESSURES (PSF), FOUR-PANEL OR FEWER CONFIGURATIONS WITHOUT POCKETS,
WATER-LIMITED

		PANEL WIDTH (IN)	24.875	30.875	36.875	42.875	48.875
		CONFIGURATION & UNIT WIDTH (IN.)	XO, OX, XX 48.000	XO, OX, XX 60.000	XO, OX, XX 72.000	XO, OX, XX 84.000	XO, OX, XX 96.000
			OXO 73.875	OXO 91.875	OXO 109.875	OXO 127.875	OXO 145.875
			OXXO, XXXX	OXXO, XXXX	OXXO, XXXX	OXXO, XXXX	OXXO, XXXX
			GLASS TYPE, RISER				
UNIT HEIGHT (IN.)	80	A, NO RISER	+30/-60	+30/-60	+30/-60	N/A	N/A
		A, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	N/A	N/A
		A, w/ 1" RISER	+60/-60	+60/-60	+60/-60	N/A	N/A
	82	A, NO RISER	+30/-60	+30/-60	+30/-60	N/A	N/A
		A, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	N/A	N/A
		A, w/ 1" RISER	+60/-60	+60/-60	+60/-60	N/A	N/A
	80	B, NO RISER	+30/-70	+30/-70	+30/-70	+30/-70	+30/-70
		B, w/ 1/2" RISER	+40/-70	+40/-70	+40/-70	+40/-70	+40/-70
		B, w/ 1" RISER	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70
	82	B, NO RISER	+30/-70	+30/-70	+30/-70	+30/-70	+30/-70
		B, w/ 1/2" RISER	+40/-70	+40/-70	+40/-70	+40/-70	+40/-70
		B, w/ 1" RISER	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70
	84	B, NO RISER	+30/-70	+30/-70	+30/-70	+30/-70	+30/-70
		B, w/ 1/2" RISER	+40/-70	+40/-70	+40/-70	+40/-70	+40/-70
		B, w/ 1" RISER	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70
	90	B, NO RISER	+30/-70	+30/-70	+30/-70	+30/-70	+30/-70
		B, w/ 1/2" RISER	+40/-70	+40/-70	+40/-70	+40/-70	+40/-70
		B, w/ 1" RISER	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70
	96	B, NO RISER	+30/-70	+30/-70	+30/-70	+30/-70	+30/-70
		B, w/ 1/2" RISER	+40/-70	+40/-70	+40/-70	+40/-70	+40/-70
		B, w/ 1" RISER	+60/-70	+60/-70	+60/-70	+60/-70	+60/-70
	102	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	108	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	114	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	120	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55

DESIGN PRESSURES (PSF), FOUR-PANEL OR FEWER
CONFIGURATIONS WITHOUT POCKETS, WATER-LIMITED

		PANEL WIDTH (IN)	54.875	60.875
		CONFIGURATION & UNIT WIDTH (IN.)	XO, OX, XX 108.000	XO, OX, XX 120.000
			OXO 163.875	OXO 181.875
			OXXO, XXXX 215.187	OXXO, XXXX 239.187
			GLASS TYPE, RISER	
		UNIT HEIGHT (IN.)	80	C, NO RISER
C, w/ 1/2" RISER	+40/-50			+40/-50
C, w/ 1" RISER	+50/-50			+50/-50
82	C, NO RISER		+30/-50	+30/-50
	C, w/ 1/2" RISER		+40/-50	+40/-50
	C, w/ 1" RISER		+50/-50	+50/-50
84	C, NO RISER		+30/-50	+30/-50
	C, w/ 1/2" RISER		+40/-50	+40/-50
	C, w/ 1" RISER		+50/-50	+50/-50
90	C, NO RISER		+30/-50	+30/-50
	C, w/ 1/2" RISER		+40/-50	+40/-50
	C, w/ 1" RISER		+50/-50	+50/-50
96	C, NO RISER		+30/-50	+30/-50
	C, w/ 1/2" RISER		+40/-50	+40/-50
	C, w/ 1" RISER		+50/-50	+50/-50

LUCAS A. TURNER, FL P.E. 58201



LUCAS A. TURNER, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574



8501 N. W. 90th Street
Medley, FL 33166

TITLE: COMPARATIVE ANALYSIS AND GLAZING DETAILS

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 9 of 30

DESIGN PRESSURES (PSF), FOUR-PANEL OR FEWER CONFIGURATIONS WITH POCKETS, WATER-LIMITED

		PANEL WIDTH (IN)	24.875	30.875	36.875	42.875	48.875	
		CONFIGURATION & UNIT WIDTH (IN.)	Xp, pX 48.500	Xp, pX 60.500	Xp, pX 72.500	Xp, pX 84.500	Xp, pX 96.500	
			XXp, pXX 69.813	XXp, pXX 87.813	XXp, pXX 105.813	XXp, pXX 123.813	XXp, pXX 141.813	
			pXXp 96.188	pXXp 120.188	pXXp 144.188	pXXp 168.188	pXXp 192.188	
			XXXp, pXXX 91.125	XXXp, pXXX 115.125	XXXp, pXXX 139.125	XXXp, pXXX 163.125	XXXp, pXXX 187.125	
			pXXXXp 138.813	pXXXXp 174.813	pXXXXp 210.813	pXXXXp 246.813	pXXXXp 282.813	
			GLASS TYPE, RISER					
UNIT HEIGHT (IN.)	80	A, NO RISER	+30/-60	+30/-60	+30/-60	N/A	N/A	
		A, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	N/A	N/A	
		A, w/ 1" RISER	+60/-60	+60/-60	+60/-60	N/A	N/A	
	82	A, NO RISER	+30/-60	+30/-60	+30/-60	N/A	N/A	
		A, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	N/A	N/A	
		A, w/ 1" RISER	+60/-60	+60/-60	+60/-60	N/A	N/A	
	80	B, NO RISER	+30/-60	+30/-60	+30/-60	+30/-60	+30/-60	
		B, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	+40/-60	+40/-60	
		B, w/ 1" RISER	+60/-60	+60/-60	+60/-60	+60/-60	+60/-60	
	82	B, NO RISER	+30/-60	+30/-60	+30/-60	+30/-60	+30/-60	
		B, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	+40/-60	+40/-60	
		B, w/ 1" RISER	+60/-60	+60/-60	+60/-60	+60/-60	+60/-60	
	84	B, NO RISER	+30/-60	+30/-60	+30/-60	+30/-60	+30/-60	
		B, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	+40/-60	+40/-60	
		B, w/ 1" RISER	+60/-60	+60/-60	+60/-60	+60/-60	+60/-60	
	90	B, NO RISER	+30/-60	+30/-60	+30/-60	+30/-60	+30/-60	
		B, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	+40/-60	+40/-60	
		B, w/ 1" RISER	+60/-60	+60/-60	+60/-60	+60/-60	+60/-60	
	96	B, NO RISER	+30/-60	+30/-60	+30/-60	+30/-60	+30/-60	
		B, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	+40/-60	+40/-60	
		B, w/ 1" RISER	+60/-60	+60/-60	+60/-60	+60/-60	+60/-60	
	102	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55	
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	
	108	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55	
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	
	114	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55	
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	
	120	C, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55	
		C, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	

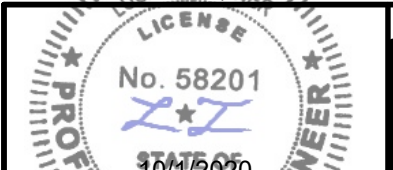
DESIGN PRESSURES (PSF), FOUR-PANEL OR FEWER CONFIGURATIONS WITH NO SILL RISER, NOT WATER-LIMITED (1:1 OVERHANG REQUIRED)

		PANEL WIDTH (IN)	54.875	60.875
		CONFIGURATION & UNIT WIDTH (IN.)	XO, OX, XX 108.000	XO, OX, XX 120.000
			OXO 163.875	OXO 181.875
			OXXO, XXXX	OXXO, XXXX
			Xp, pX 108.500	Xp, pX 120.500
			XXp, pXX 159.813	XXp, pXX 177.813
			pXXp 216.188	pXXp 240.188
			XXXp, pXXX 211.125	XXXp, pXXX 235.125
			pXXXXp 318.813	pXXXXp 354.813
		GLASS TYPE		
UNIT HEIGHT (IN.)	80	C	+50/-50	+50/-50
	82	C	+50/-50	+50/-50
	84	C	+50/-50	+50/-50
	90	C	+50/-50	+50/-50
	96	C	+50/-50	+50/-50

DESIGN PRESSURES (PSF), FOUR-PANEL OR FEWER CONFIGURATIONS WITH POCKETS, WATER-LIMITED

		PANEL WIDTH (IN)	54.875	60.875
		CONFIGURATION	Xp, pX	Xp, pX
		& UNIT WIDTH	108.500	120.500
			XXp, pXX	XXp, pXX
			159.813	177.813
			pXXp	pXXp
			216.188	240.188
				XXXp, pXXX
		211.125	235.125	
		pXXXXp	pXXXXp	
		318.813	354.813	
		GLASS TYPE, RISER		
UNIT HEIGHT (IN.)	80	C, NO RISER	+30/-50	+30/-50
		C, w/ 1/2" RISER	+40/-50	+40/-50
		C, w/ 1" RISER	+50/-50	+50/-50
	82	C, NO RISER	+30/-50	+30/-50
		C, w/ 1/2" RISER	+40/-50	+40/-50
		C, w/ 1" RISER	+50/-50	+50/-50
	84	C, NO RISER	+30/-50	+30/-50
		C, w/ 1/2" RISER	+40/-50	+40/-50
		C, w/ 1" RISER	+50/-50	+50/-50
	90	C, NO RISER	+30/-50	+30/-50
		C, w/ 1/2" RISER	+40/-50	+40/-50
		C, w/ 1" RISER	+50/-50	+50/-50
	96	C, NO RISER	+30/-50	+30/-50
		C, w/ 1/2" RISER	+40/-50	+40/-50
		C, w/ 1" RISER	+50/-50	+50/-50

LUCAS A. TURNER, FL P.E. 58201



Lucas A. Turner, FLPE #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574



8501 N. W. 90th Street
Medley, FL 33166

TITLE: COMPARATIVE ANALYSIS

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 10 of 30

DESIGN PRESSURES (PSF), SIX-PANEL CONFIGURATIONS, WITH NO SILL RISER,
NOT WATER-LIMITED (1:1 OVERHANG REQUIRED)

		PANEL WIDTH (IN)	24.875	30.875	36.875	42.875	48.875
		CONFIGURATION & UNIT WIDTH (IN.)	pXXXXXX	pXXXXXX	pXXXXXX	pXXXXXX	pXXXXXX
			p	p	p	p	p
			181.438	229.438	277.438	325.438	373.438
			OXXXXO, XXXXXX	OXXXXO, XXXXXX	OXXXXO, XXXXXX	OXXXXO, XXXXXX	OXXXXO, XXXXXX
		137.812	173.812	209.812	245.812	281.812	
		GLASS TYPE					
UNIT HEIGHT (IN.)	80	A	+60/-60	+60/-60	+60/-60	N/A	N/A
	82	A	+60/-60	+60/-60	+60/-60	N/A	N/A
	80	B	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	82	B	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	84	B	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	90	B	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	96	B	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55

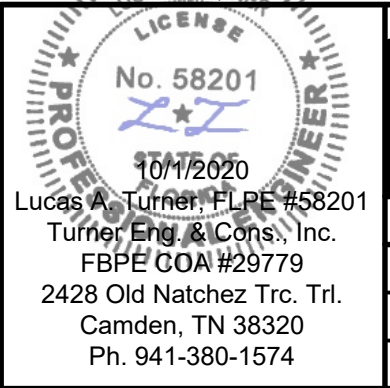
DESIGN PRESSURES (PSF), SIX-PANEL CONFIGURATIONS, WATER-LIMITED

UNIT HEIGHT (IN.)		PANEL WIDTH (IN)	24.875	30.875	36.875	42.875	48.875
		CONFIGURATION & UNIT WIDTH (IN.)	pXXXXXXp	pXXXXXXp	pXXXXXXp	pXXXXXXp	pXXXXXXp
			181.438	229.438	277.438	325.438	373.438
			OXXXXO, XXXXXX	OXXXXO, XXXXXX	OXXXXO, XXXXXX	OXXXXO, XXXXXX	OXXXXO, XXXXXX
			137.812	173.812	209.812	245.812	281.812
		GLASS TYPE, RISER					
UNIT HEIGHT (IN.)	80	A, NO RISER	+30/-60	+30/-60	+30/-60	N/A	N/A
		A, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	N/A	N/A
		A, w/ 1" RISER	+60/-60	+60/-60	+60/-60	N/A	N/A
	82	A, NO RISER	+30/-60	+30/-60	+30/-60	N/A	N/A
		A, w/ 1/2" RISER	+40/-60	+40/-60	+40/-60	N/A	N/A
		A, w/ 1" RISER	+60/-60	+60/-60	+60/-60	N/A	N/A
	80	B, NO RISER	+30/-55	+30/-55	+30/-55	+30/-55	+30/-55
		B, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		B, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	82	B, NO RISER	+30/-55	+30/-55	+30/-55	+30/-55	+30/-55
		B, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		B, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	84	B, NO RISER	+30/-55	+30/-55	+30/-55	+30/-55	+30/-55
		B, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		B, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	90	B, NO RISER	+30/-55	+30/-55	+30/-55	+30/-55	+30/-55
		B, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		B, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55
	96	B, NO RISER	+30/-55	+30/-55	+30/-55	+30/-55	+30/-55
		B, w/ 1/2" RISER	+40/-55	+40/-55	+40/-55	+40/-55	+40/-55
		B, w/ 1" RISER	+55/-55	+55/-55	+55/-55	+55/-55	+55/-55

DESIGN PRESSURES (PSF), FOUR-PANEL OR FEWER CONFIGURATIONS WITH NO SILL RISER,
NOT WATER-LIMITED (1:1 OVERHANG REQUIRED)

		PANEL WIDTH (IN)	24.875	30.875	36.875	42.875	48.875	
		CONFIGURATION & UNIT WIDTH (IN.)	XO, OX, XX 48.000	XO, OX, XX 60.000	XO, OX, XX 72.000	XO, OX, XX 84.000	XO, OX, XX 96.000	
			OXO 73.875	OXO 91.875	OXO 109.875	OXO 127.875	OXO 145.875	
			OXXO, XXXX 143.187	OXXO, XXXX 173.187	OXXO, XXXX 203.187	OXXO, XXXX 233.187	OXXO, XXXX 263.187	
			Xp, pX 48.500	Xp, pX 60.500	Xp, pX 72.500	Xp, pX 84.500	Xp, pX 96.500	
			XXp, pXX 69.813	XXp, pXX 87.813	XXp, pXX 105.813	XXp, pXX 123.813	XXp, pXX 141.813	
			pXXp 96.188	pXXp 120.188	pXXp 144.188	pXXp 168.188	pXXp 192.188	
			XXXp, pXXX 91.125	XXXp, pXXX 115.125	XXXp, pXXX 139.125	XXXp, pXXX 163.125	XXXp, pXXX 187.125	
			pXXXXp 138.813	pXXXXp 174.813	pXXXXp 210.813	pXXXXp 246.813	pXXXXp 282.813	
			GLASS TYPE					
		UNIT HEIGHT (IN.)	80	A	+60/-60	+60/-60	+60/-60	N/A
82	A		+60/-60	+60/-60	+60/-60	N/A	N/A	
80	B		+70/-70	+70/-70	+70/-70	+70/-70	+70/-70	
82	B		+70/-70	+70/-70	+70/-70	+70/-70	+70/-70	
84	B		+70/-70	+70/-70	+70/-70	+70/-70	+70/-70	
90	B		+70/-70	+70/-70	+70/-70	+70/-70	+70/-70	
96	B		+70/-70	+70/-70	+70/-70	+70/-70	+70/-70	
102	C		+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	
108	C		+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	
114	C		+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	
120	C		+55/-55	+55/-55	+55/-55	+55/-55	+55/-55	

LUCAS A. TURNER, FL P.E. 58201



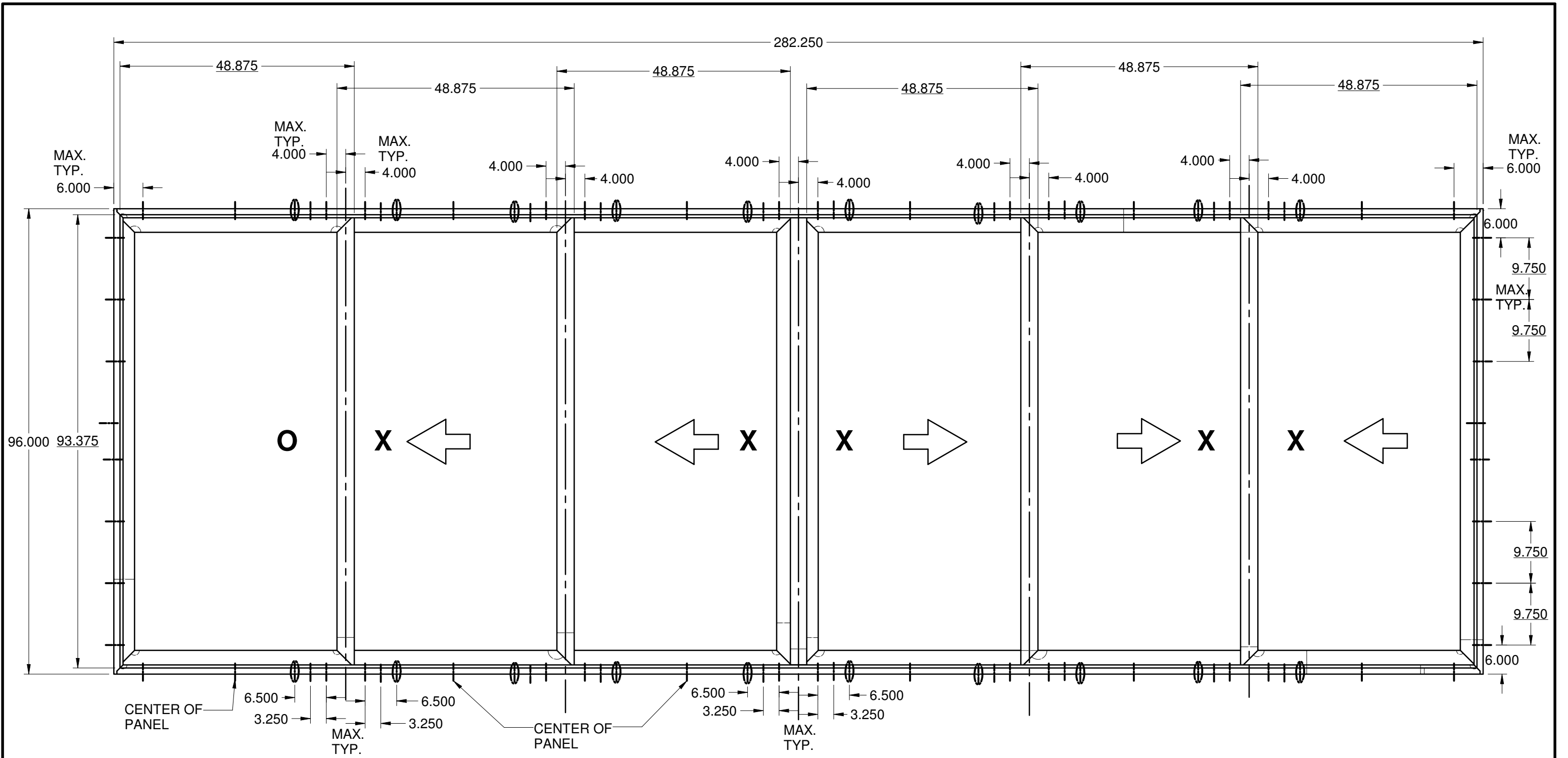
Lucas A. Turner, FLPE #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574



8501 N. W. 90th Street
Medley, FL 33166

TITLE: COMPARATIVE ANALYSIS

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 11 of 30



SEE SHEET 23 FOR ADDITIONAL
ANCHOR INFORMATION.

LUCAS A. TURNER, FL P.E. 58201

PROFESSIONAL ENGINEER
LICENSE
No. 58201
10/1/2020
Lucas A. Turner, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574



8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR SCHEDULES AND NOTES		
SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 13 of 30





 Lucas A. Turner, FLPE #58201
 Turner Eng. & Cons., Inc.
 FBPE COA #29779
 2428 Old Natchez Trc. Trl.
 Camden, TN 38320
 Ph. 941-380-1574

8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR SCHEDULES AND NOTES

SERIES: SGD-1550

DRAWN BY: MCL

DATE: 05/4/2020

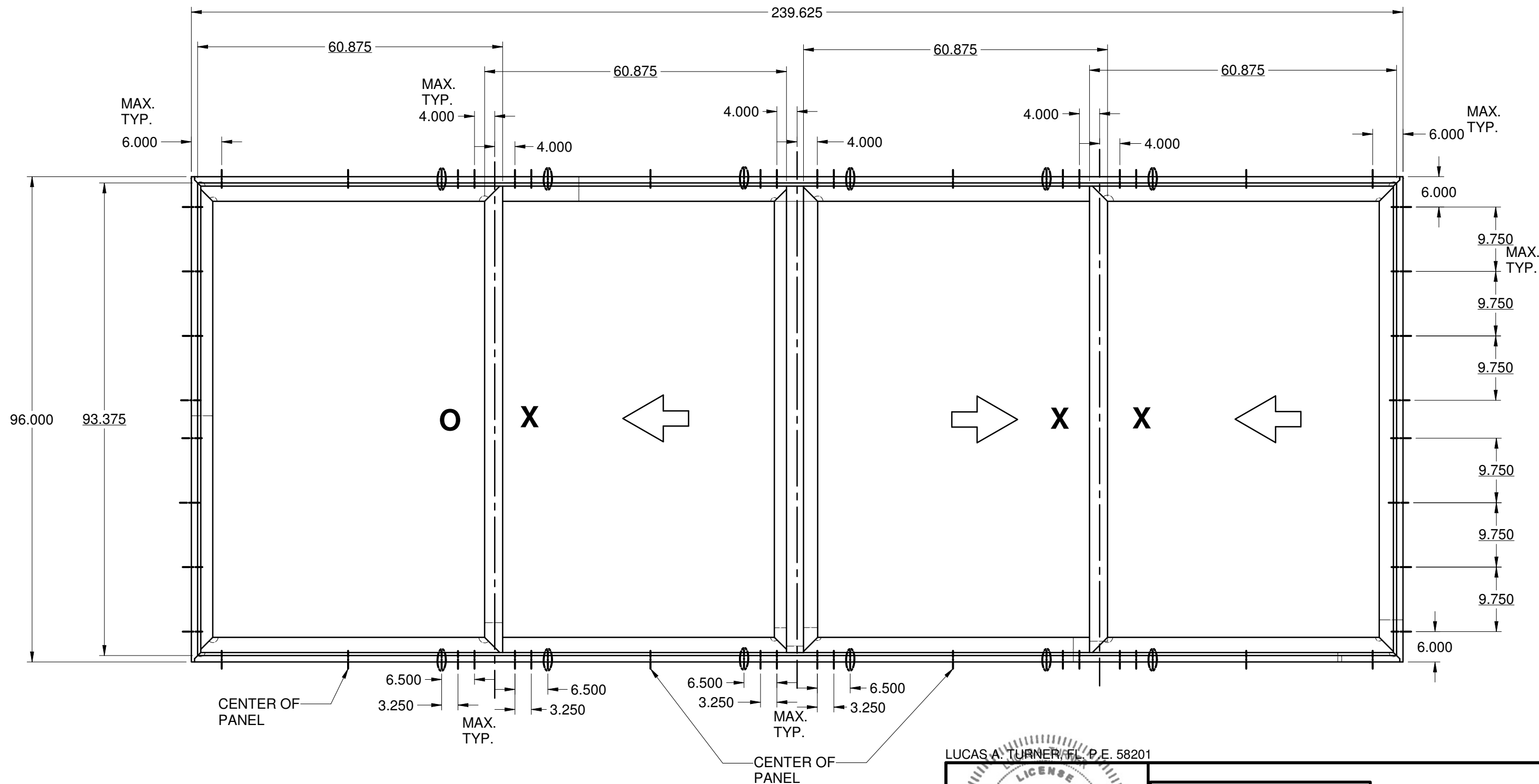
MODEL:

SCALE: N.T.S.

DWG. NO. 1550 2001

REV. LETTER:

SHEET SHT 14 of 30



SEE SHEET 22 FOR ADDITIONAL
ANCHOR INFORMATION.

LUCAS A. TURNER, FL P.E. 58201

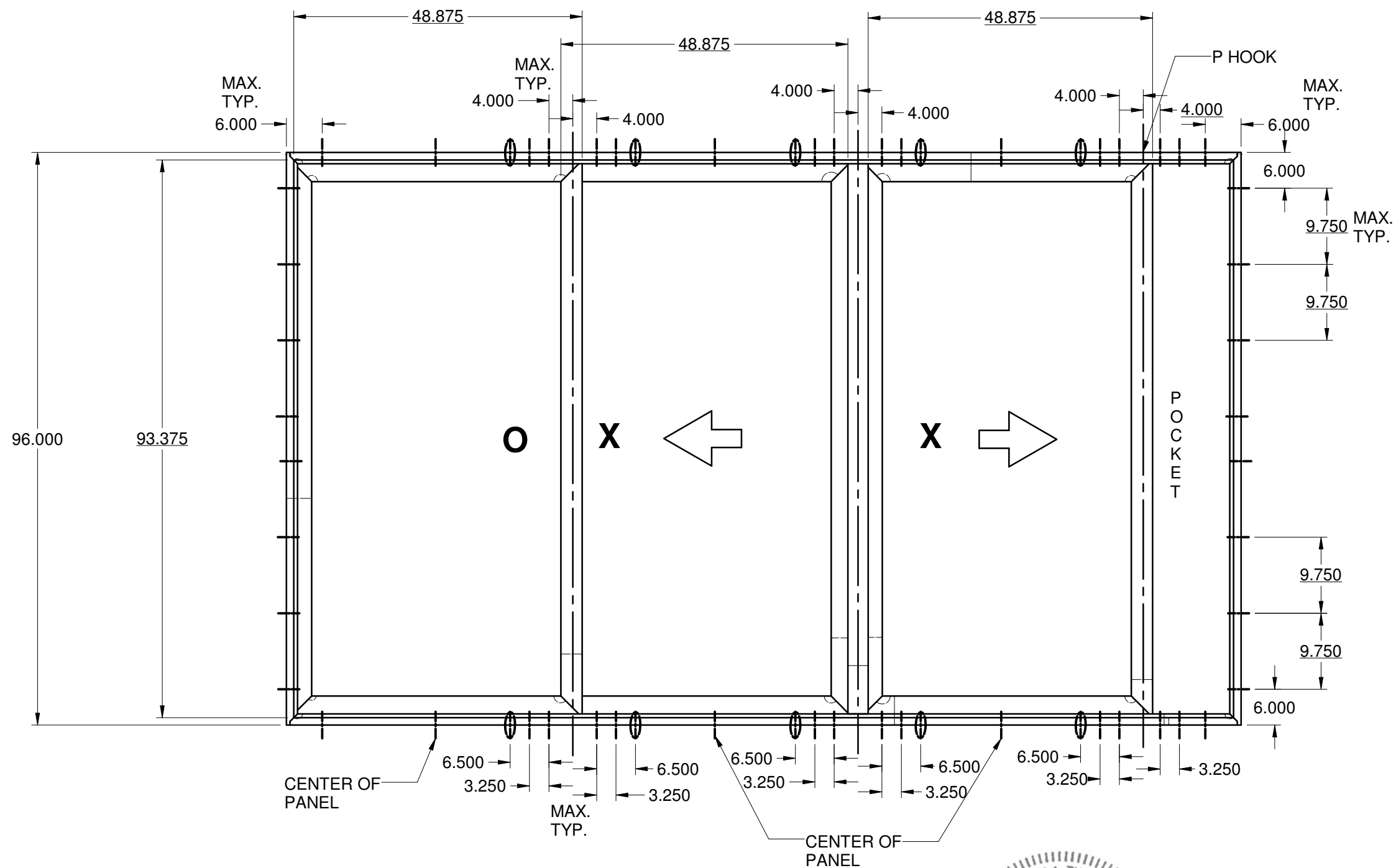
PROFESSIONAL ENGINEER
LICENSE
No. 58201
10/1/2020
Lucas A. Turner, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

LAWSON
INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

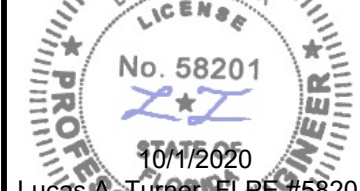
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SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 15 of 30



SEE SHEET 22 FOR ADDITIONAL
ANCHOR INFORMATION.

LUCAS A. TURNER, FL P.E. 58201

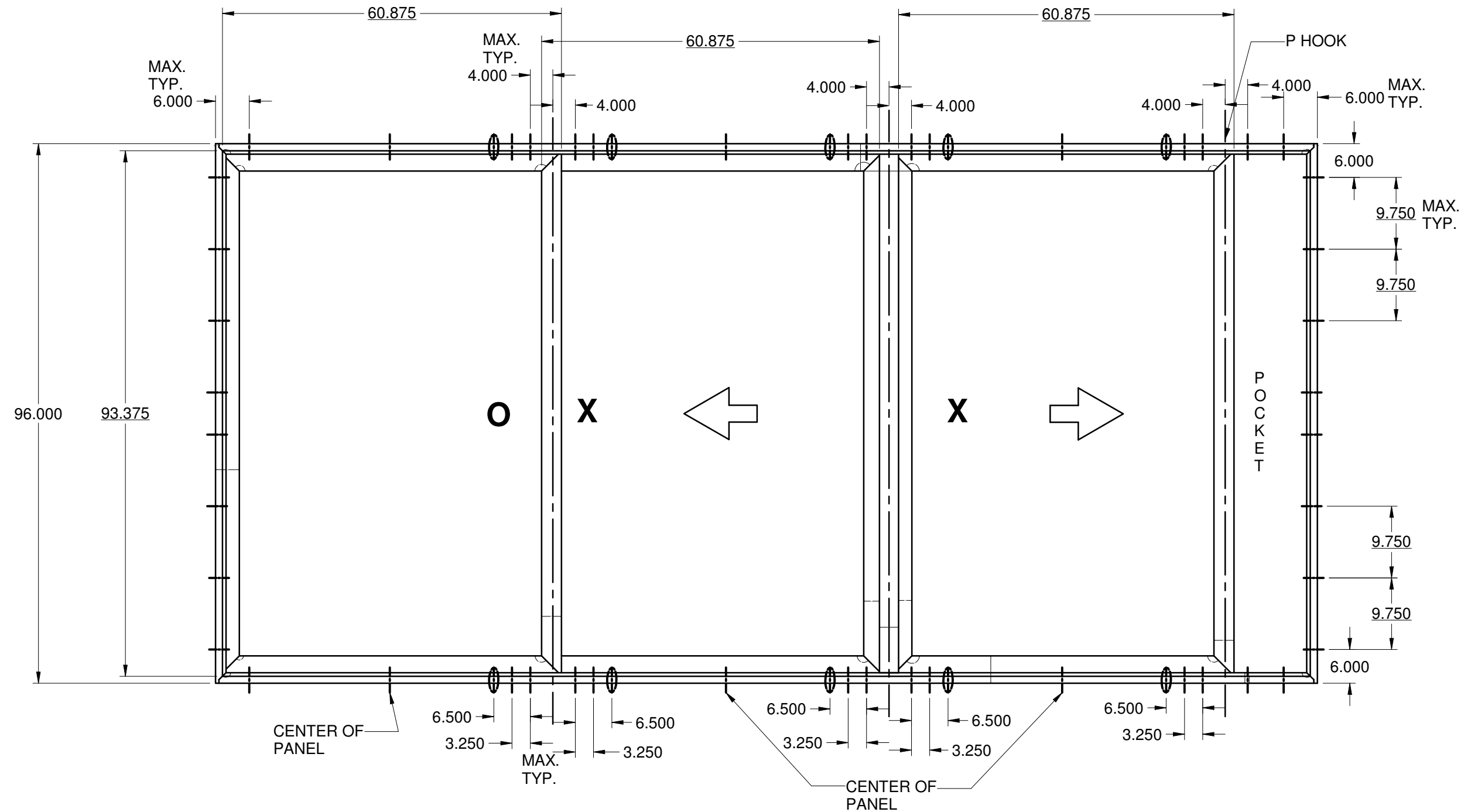

 Lucas A. Turner, FL P.E. #58201
 Turner Eng. & Cons., Inc.
 FBPE COA #29779
 2428 Old Natchez Trc. Trl.
 Camden, TN 38320
 Ph. 941-380-1574


 LAWSON
 INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR SCHEDULES AND NOTES

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
REV. LETTER:	SHEET SHT 16 of 30	



SEE SHEET 22 FOR ADDITIONAL
ANCHOR INFORMATION.

LUCAS A. TURNER, FL P.E. 58201



8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR SCHEDULES AND NOTES

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 17 of 30



LAWSON
INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR SCHEDULES AND NOTES

SERIES: SGD-1550

DRAWN BY: MCL

DATE: 05/4/2020

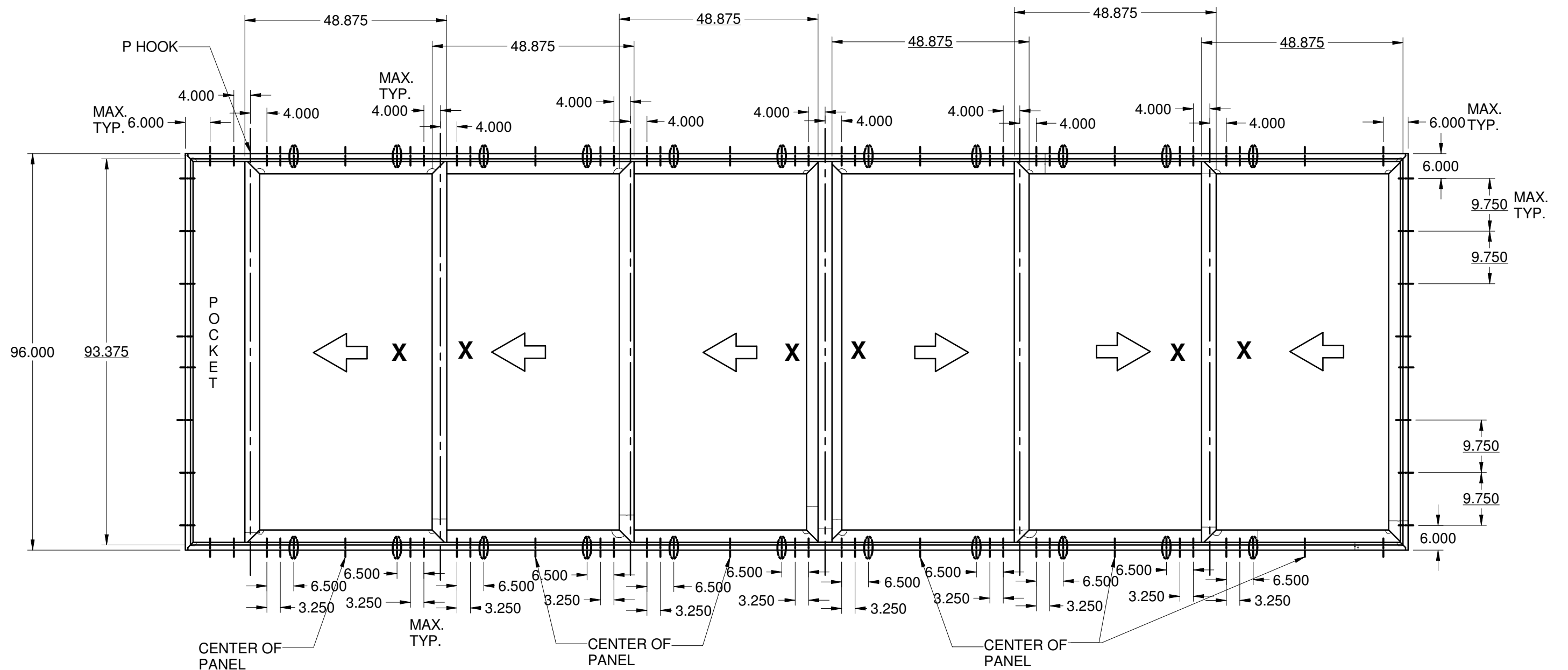
MODEL:

SCALE: N.T.S.

DWG. NO.	1550-2001
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REV. LETTER:

SHEET SHT 18 of 30



SEE SHEET 23 FOR ADDITIONAL
ANCHOR INFORMATION.

LUCAS A. TURNER, FL P.E. 58201

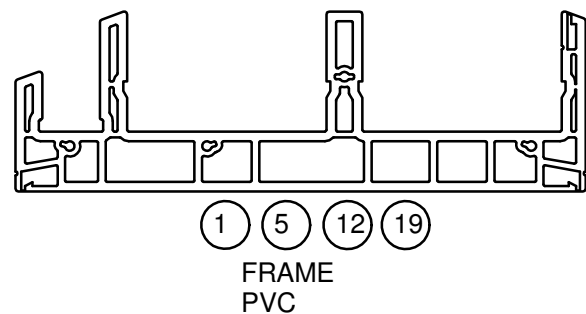

 Lucas A. Turner, FL P.E. #58201
 Turner Eng. & Cons., Inc.
 FBPE COA #29779
 2428 Old Natchez Trc. Trl.
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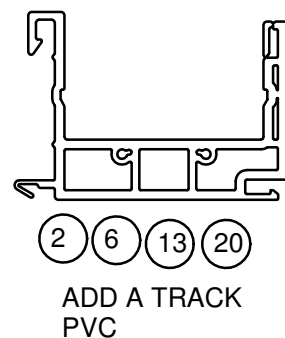
8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR SCHEDULES AND NOTES

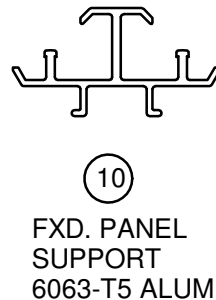
SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 19 of 30



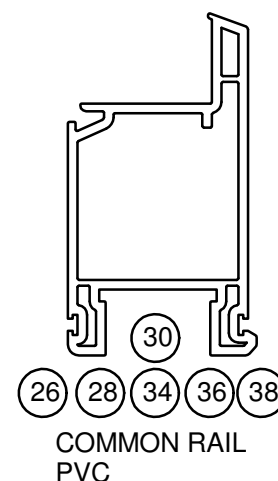
FRAME
PVC



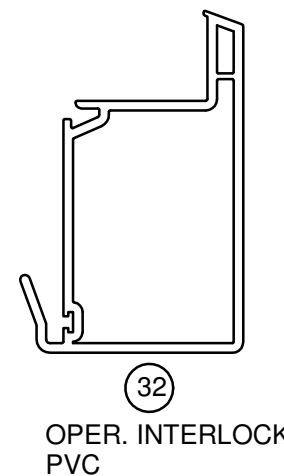
ADD A TRACK
PVC



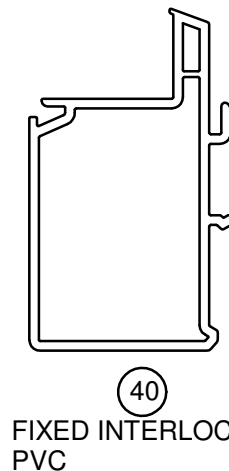
FXD. PANEL
SUPPORT
6063-T5 ALUM.



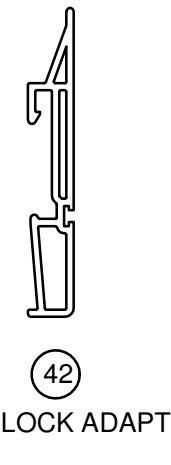
COMMON RAIL
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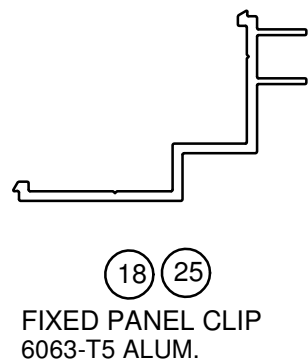
OPER. INTERLOCK
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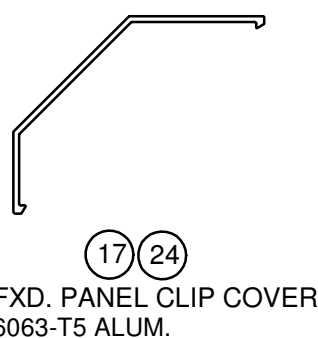
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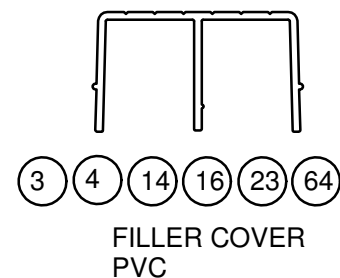
INTERLOCK ADAPT.
PVC



FIXED PANEL CLIP
6063-T5 ALUM.



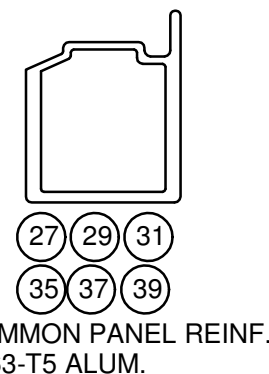
FXD. PANEL CLIP COVER
6063-T5 ALUM.



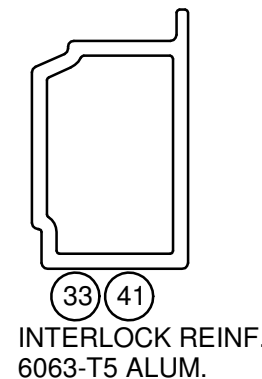
FILLER COVER
PVC



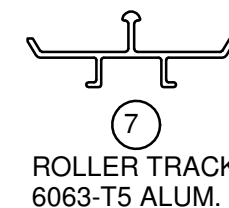
GLAZ. BEAD
PVC



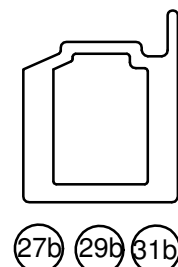
COMMON PANEL REINF.
6063-T5 ALUM.



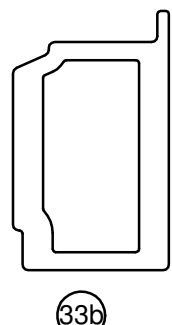
INTERLOCK REINF.
6063-T5 ALUM.



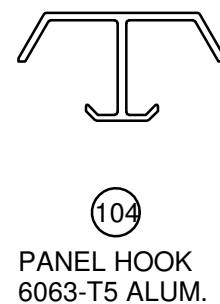
ROLLER TRACK
6063-T5 ALUM.



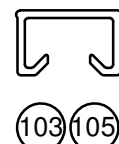
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HEAVY DUTY
6063-T5 ALUM.



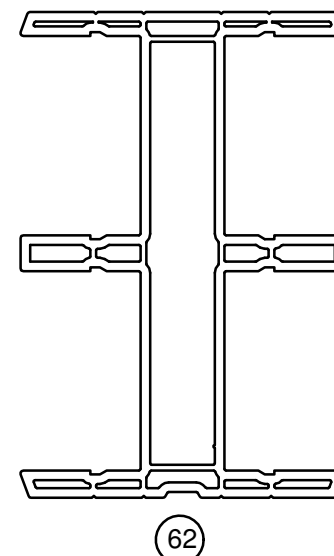
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HEAVY DUTY
6063-T5 ALUM.



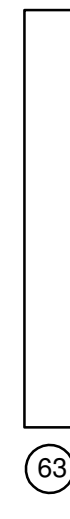
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6063-T5 ALUM.



PANEL CATCH
6063-T5 ALUM.



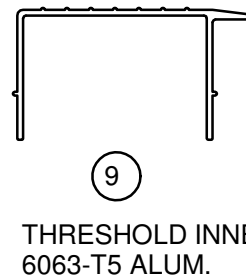
ASTRAGAL
PVC



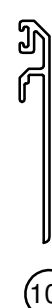
ASTG. REINF.
6063-T5 ALUM.



THRESHOLD OUTER
6063-T5 ALUM.



THRESHOLD INNER
6063-T5 ALUM.



SILL RISER 1/2"
6063-T5 ALUM.



SILL RISER 1"
6063-T5 ALUM.

LUCAS A. TURNER, FL P.E. 58201



8501 N. W. 90th Street
Medley, FL 33166

TITLE: EXTRUSIONS

SERIES: SGD-1550

DRAWN BY: MCL

DATE: 05/4/2020

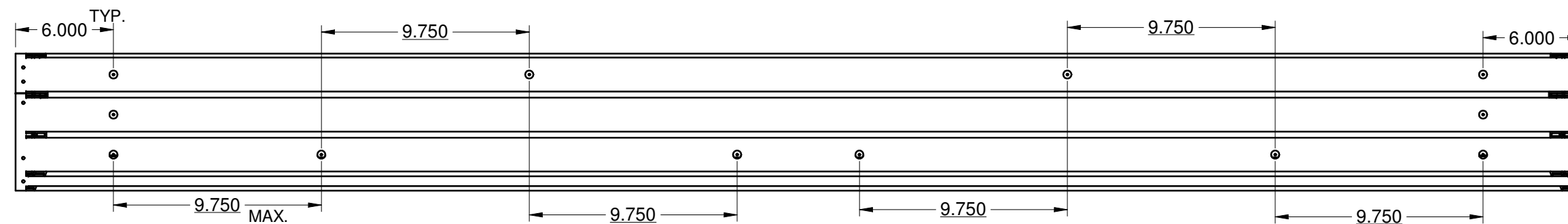
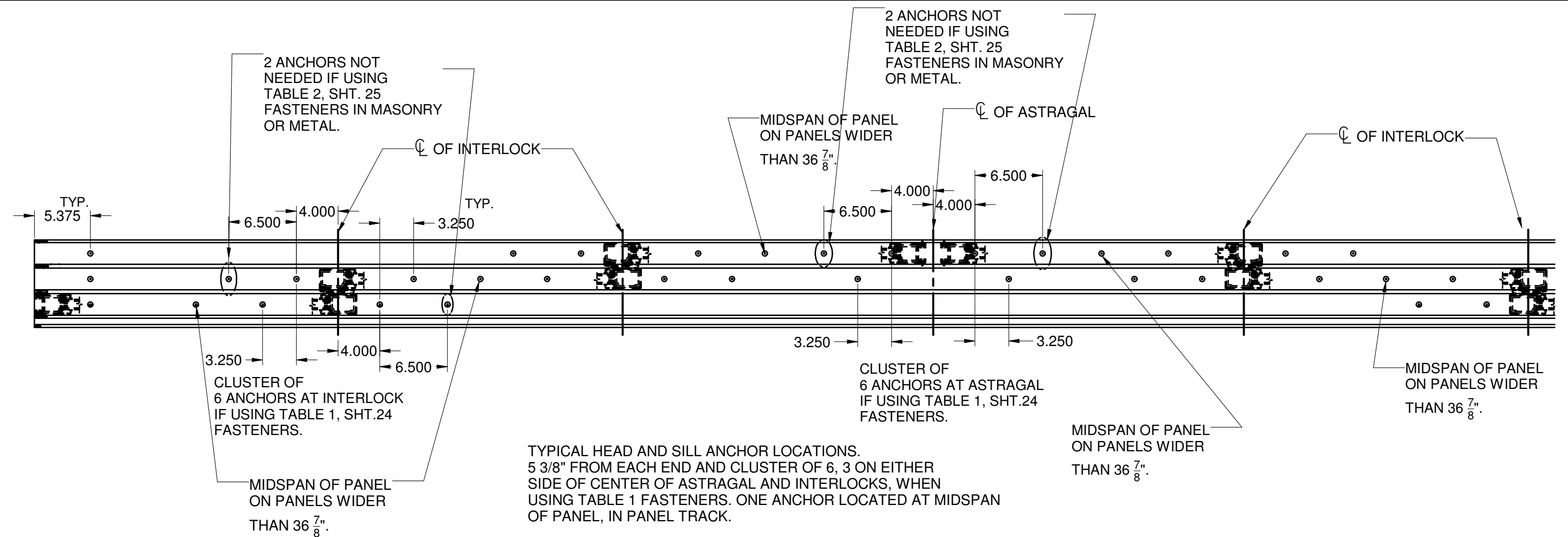
MODEL:

SCALE: N.T.S.

DWG. NO. L-1550-2001

REV. LETTER:

SHEET SHT 21 of 30



TYPICAL JAMB ANCHOR LOCATIONS
6" EACH END IN ALL TRACKS, AND 9 3/4" O.C.
THEREAFTER, STAGGERED IN OUTER AND INNER
TRACKS, TABLE 1 FASTENERS.
11" O.C. IF USING TABLE 2 FASTENERS.

LUCAS A. TURNER, FL P.E. 58201



8501 N. W. 90th Street
Medley, FL 33166

TITLE: ANCHOR LOCATIONS, 3 TRACK

SERIES: SGD-1550

DRAWN BY: MCL

DATE: 05/4/2020

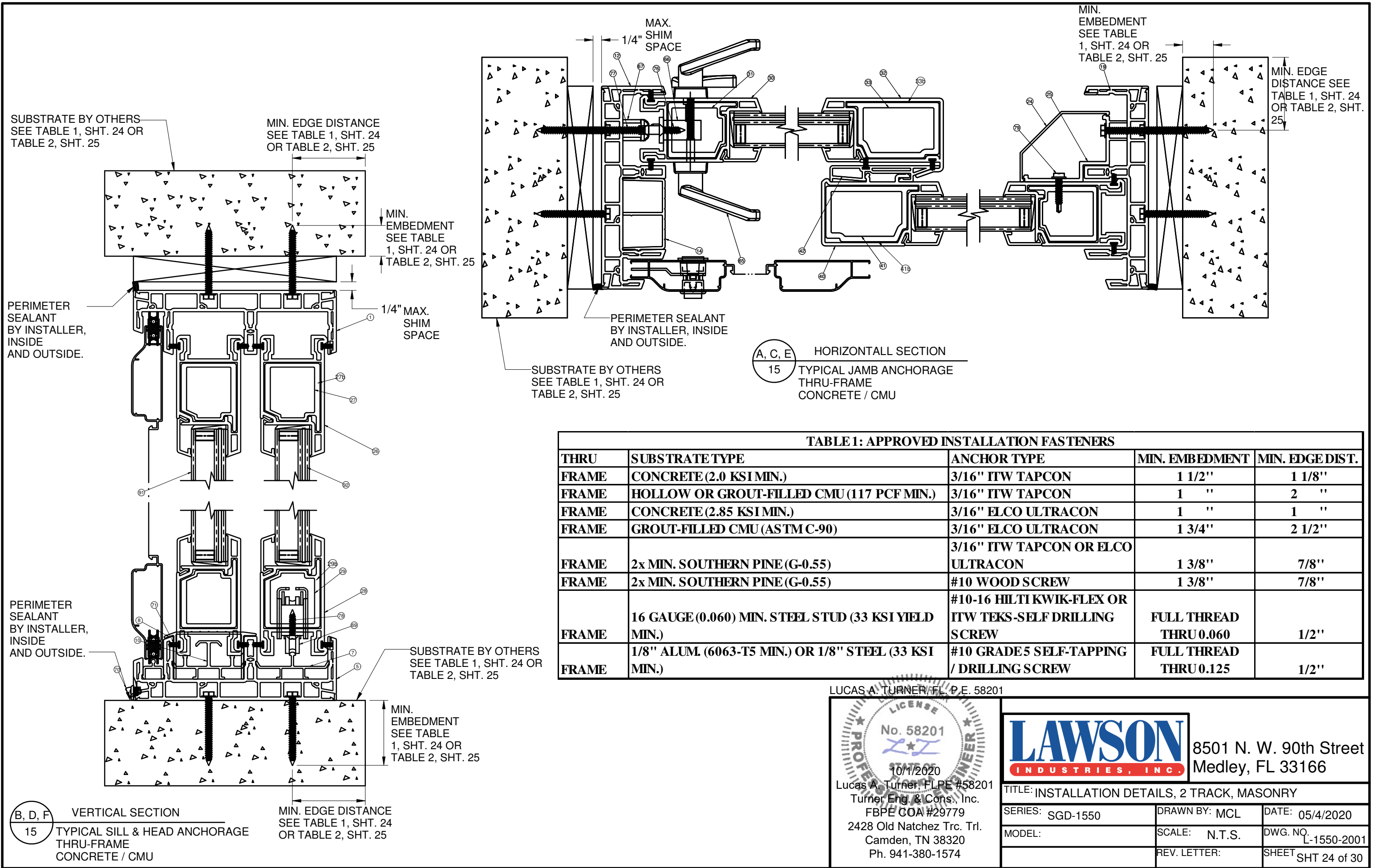
MODEL:

SCALE: N.T.S.

DWG. NO. L-1550-2001

REV. LETTER:

SHEET SHT 23 of 30



SUBSTRATE BY OTHERS
SEE TABLE 1, SHT. 24 OR
TABLE 2, SHT. 25

MIN. EDGE DISTANCE
SEE TABLE 1, SHT. 24
OR TABLE 2, SHT. 25

MIN.
EMBEDMENT
SEE TABLE
1, SHT. 24 OR
TABLE 2, SHT. 25

1/4" MAX.
SHIM
SPACE

PERIMETER
SEALANT
BY INSTALLER,
INSIDE
AND OUTSIDE.

PERIMETER
SEALANT
BY INSTALLER,
INSIDE
AND OUTSIDE.

SUBSTRATE BY OTHERS
SEE TABLE 1, SHT. 24 OR
TABLE 2, SHT. 25

MIN.
EMBEDMENT
SEE TABLE
1, SHT. 24 OR
TABLE 2, SHT. 25

MIN. EDGE DISTANCE
SEE TABLE 1, SHT. 24
OR TABLE 2, SHT. 25

D
16 VERTICAL SECTION
TYPICAL SILL & HEAD ANCHORAGE
THRU-FRAME
CONCRETE / CMU

MIN.
EMBEDMENT
SEE TABLE
1, SHT. 24 OR
TABLE 2, SHT. 25

MIN. EDGE DISTANCE
SEE TABLE 1, SHT. 24
OR TABLE 2, SHT. 25

SUBSTRATE BY OTHERS
SEE TABLE 1, SHT. 24 OR
TABLE 2, SHT. 25

PERIMETER SEALANT
BY INSTALLER, INSIDE
AND OUTSIDE.

G
16 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
CONCRETE / CMU

TABLE 2: APPROVED INSTALLATION FASTENERS

THRU	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FRAME	CONCRETE (2.0 KSI MIN.)	1/4" ITW TAPCON	1 3/4"	1 1/2"
FRAME	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	1/4" ITW TAPCON	1 "	2 "
FRAME	CONCRETE (2.85 KSI MIN.)	1/4" ELCO ULTRACON	1 3/4"	2 1/2"
FRAME	GROUT-FILLED CMU (ASTM C-90)	1/4" ELCO ULTRACON	1 3/4"	2 1/2"
FRAME	2x MIN. SOUTHERN PINE (G-0.55)	1/4" ITW TAPCON OR ELCO ULTRACON	1 3/8"	7/8"
FRAME	2x MIN. SOUTHERN PINE (G-0.55)	#12 WOOD SCREW	1 3/8"	7/8"
FRAME	16 GAUGE (0.060) MIN. STEEL STUD (33 KSI YIELD MIN.)	#12-16 HILTI KWIK-FLEX OR ITW TEKS-SELF DRILLING SCREW	FULL THREAD THRU 0.060	1/2"
FRAME	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#12 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125	1/2"

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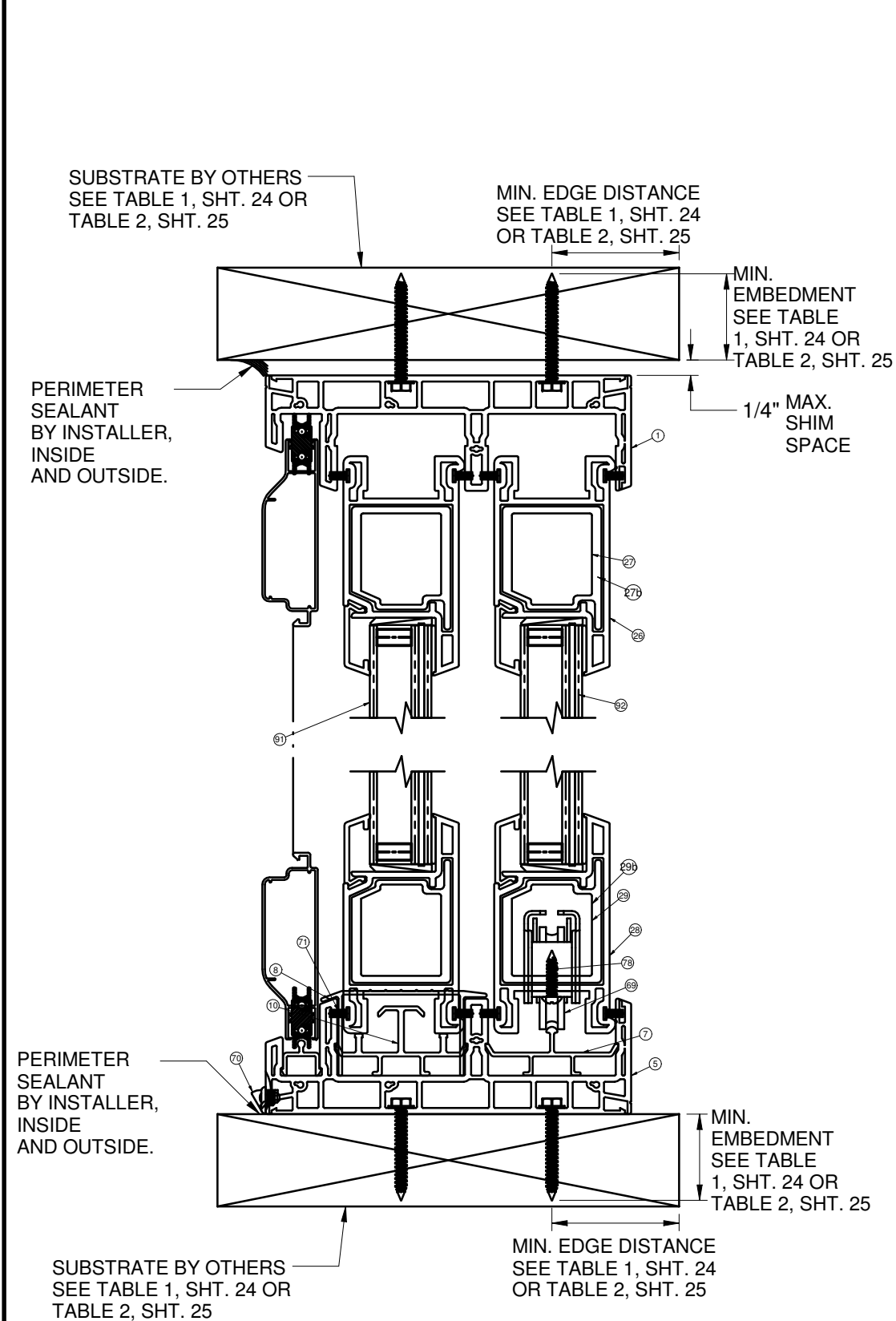
PROFESSIONAL ENGINEER
LICENSE
No. 58201
10/1/2020
Lucas A. Turner, FL P.E. #58201
Turner Eng. & Cons., Inc.
FBPE COA #29779
2428 Old Natchez Trc. Trl.
Camden, TN 38320
Ph. 941-380-1574

LAWSON
INDUSTRIES, INC.

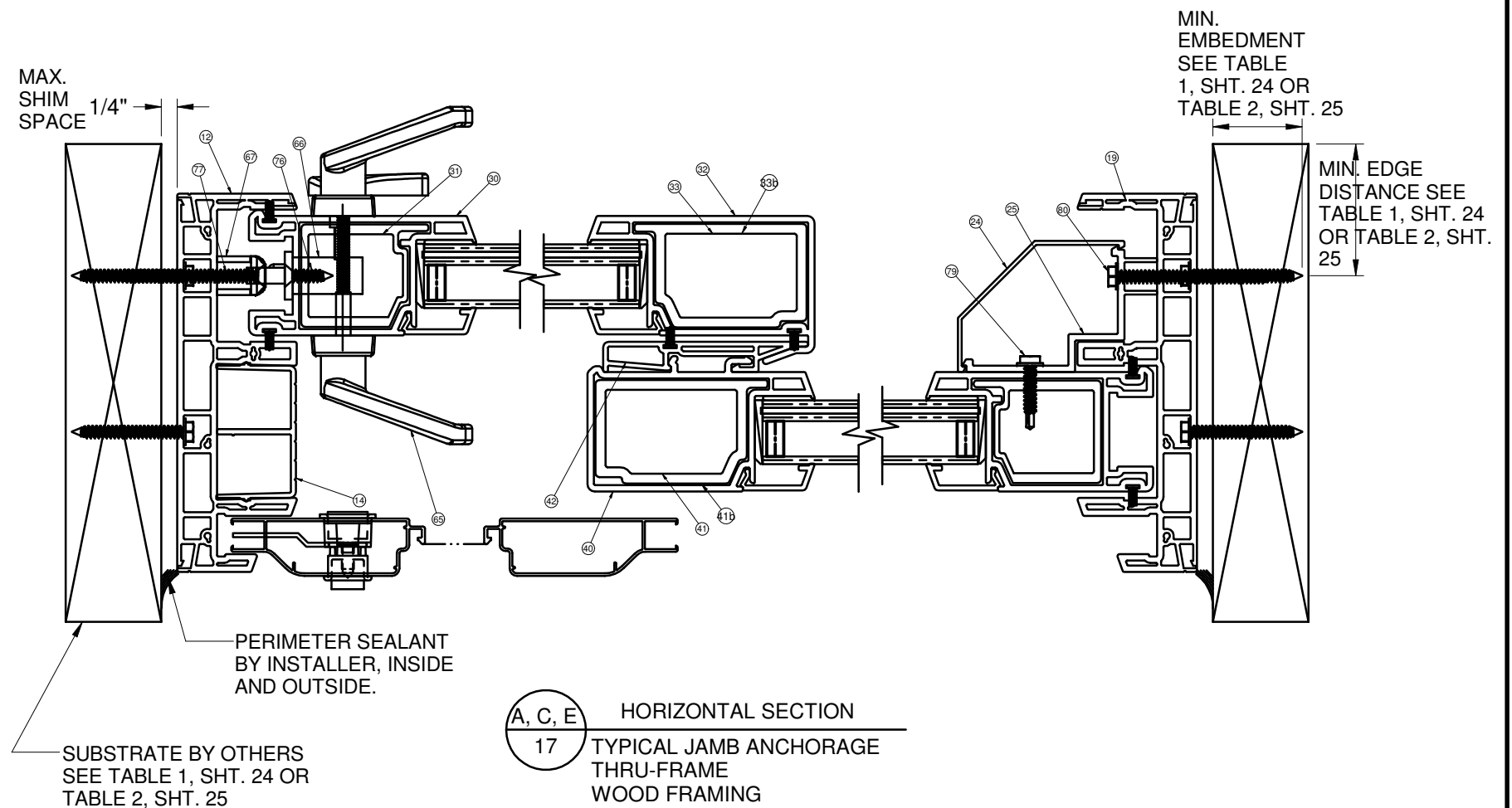
8501 N. W. 90th Street
Medley, FL 33166

TITLE: INSTALLATION DETAILS, 3 TRACK, MASONRY

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
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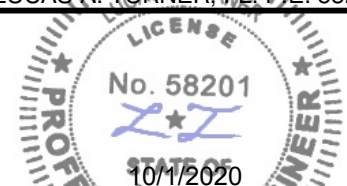


B, D, F
17 VERTICAL SECTION
 TYPICAL SILL & HEAD ANCHORAGE
 THRU-FRAME
 WOOD FRAMING



A, C, E
17 HORIZONTAL SECTION
 TYPICAL JAMB ANCHORAGE
 THRU-FRAME
 WOOD FRAMING

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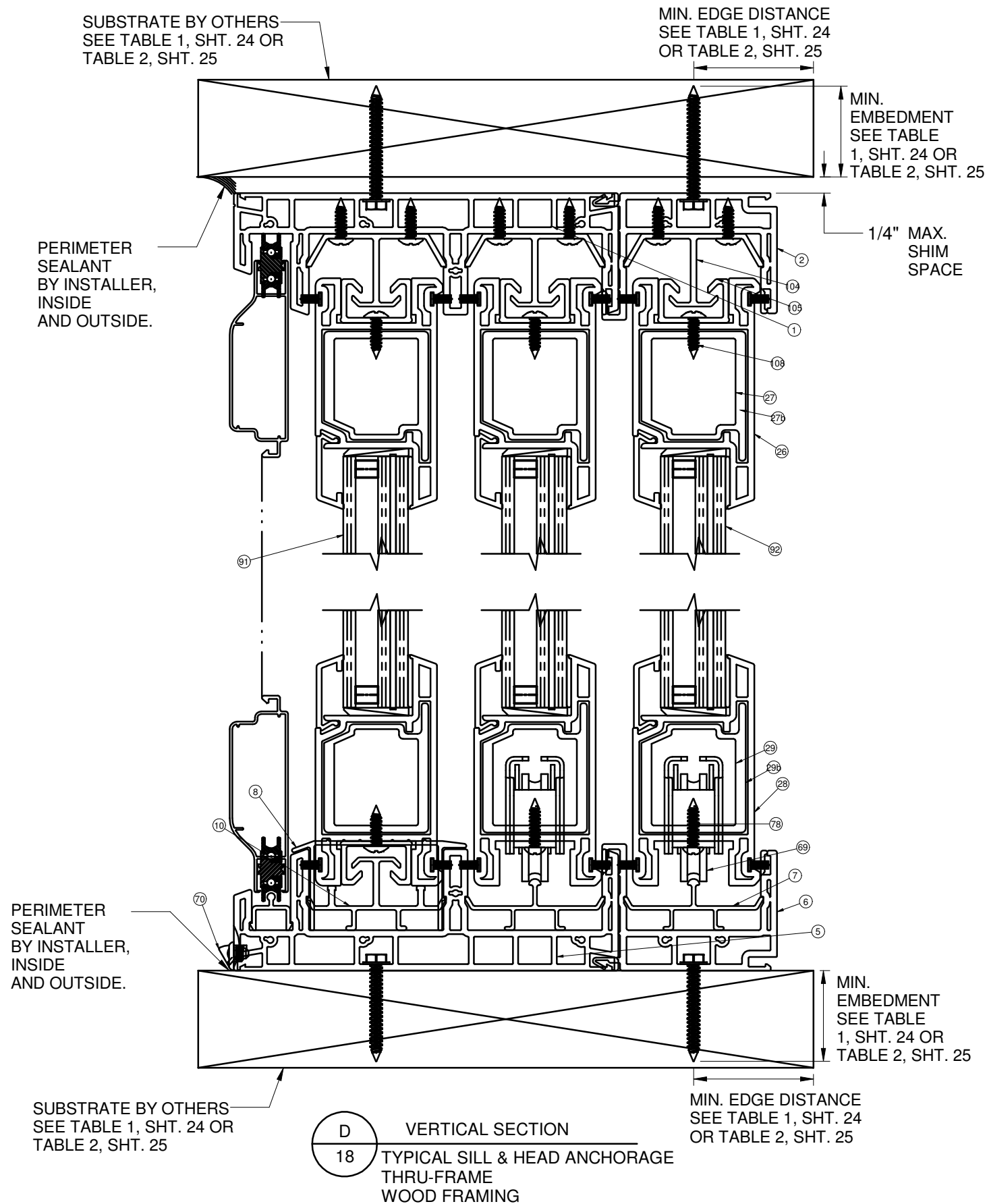

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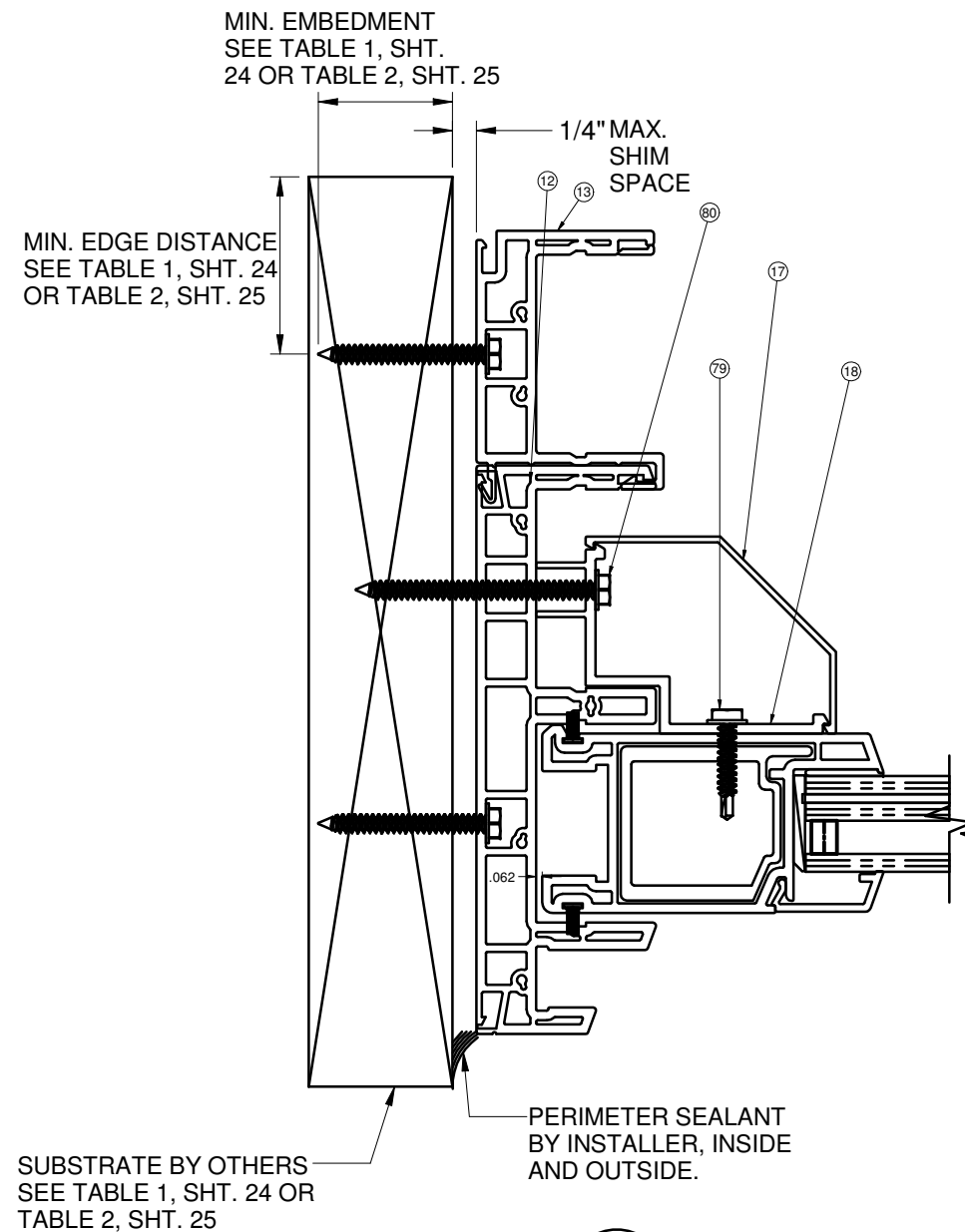
8501 N. W. 90th Street
 Medley, FL 33166

TITLE: INSTALLATION DETAILS, 2 TRACK, WOOD

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
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D
18 VERTICAL SECTION
TYPICAL SILL & HEAD ANCHORAGE
THRU-FRAME
WOOD FRAMING



G
18 HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE
THRU-FRAME
WOOD FRAMING

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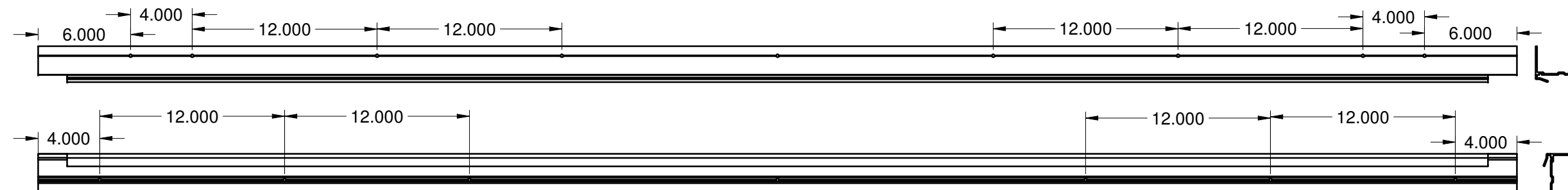
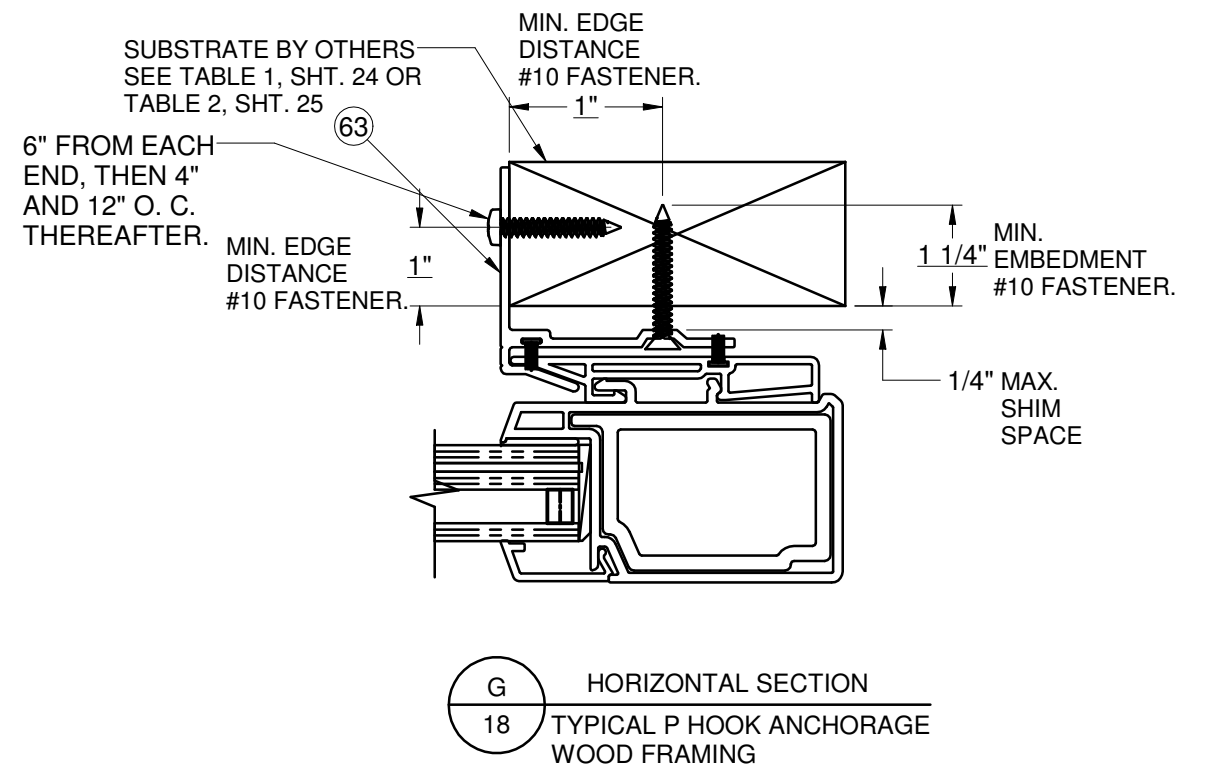
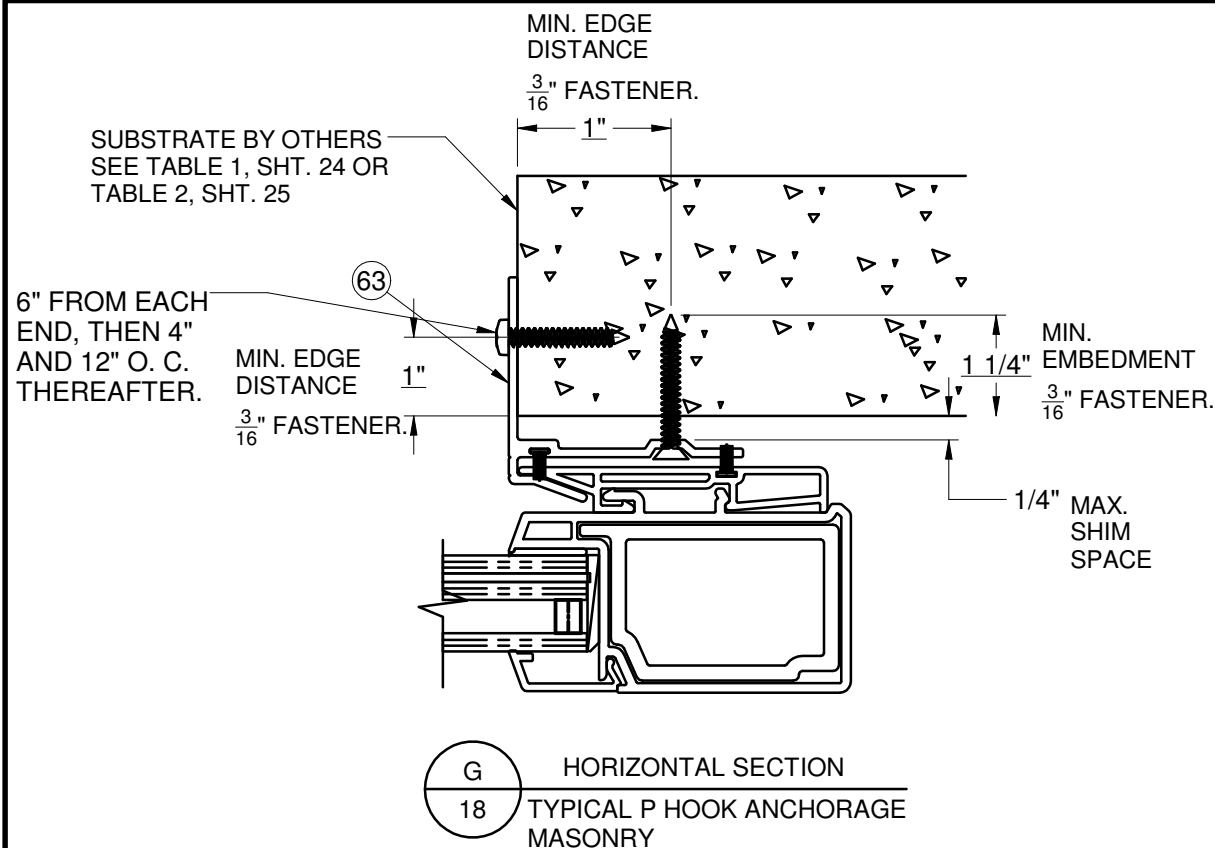

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TITLE: INSTALLATION DETAILS, 3 TRACK, WOOD

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
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TYPICAL P-HOOK ANCHOR LOCATIONS
4" EACH END AND 12" O.C. THEREAFTER. NON STRUCTURAL
ANCHORS 6" EACH END AND CENTERED FROM STRUCTURAL
ANCHOR.

LUCAS A. TURNER, FL P.E. 58201

PROFESSIONAL ENGINEER
LICENSE
No. 58201
10/1/2020
Lucas A. Turner, FLPE #58201
Turner Eng. & Cons., Inc.
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Camden, TN 38320
Ph. 941-380-1574

LAWSON
INDUSTRIES, INC.

8501 N. W. 90th Street
Medley, FL 33166

TITLE: INSTALLATION DETAILS, P HOOK

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
REV. LETTER:	SHEET SHT 28 of 30	

2P2T		
2P2T		
3P2T		
3P3T		
3P3T		
4P2T		
4P2T		

1P2T		
2P2T		
3P3T		
2P2T		
4P2T		

6P3T	
6P3T	
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6P3T	
6P3T	

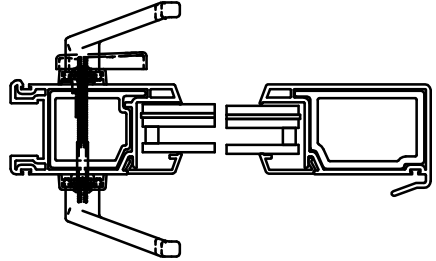
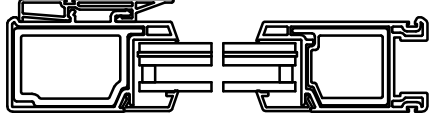
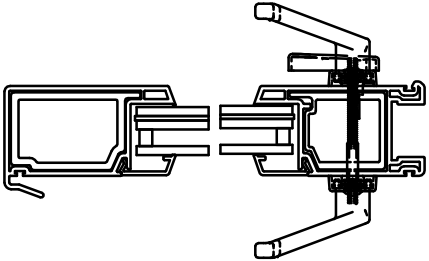
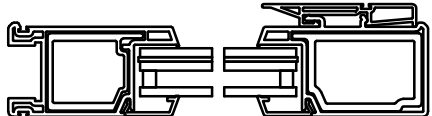
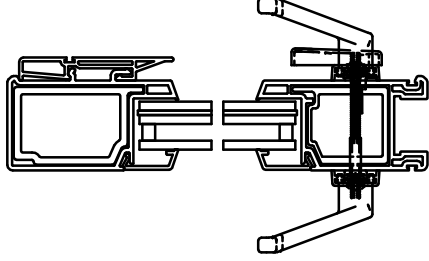
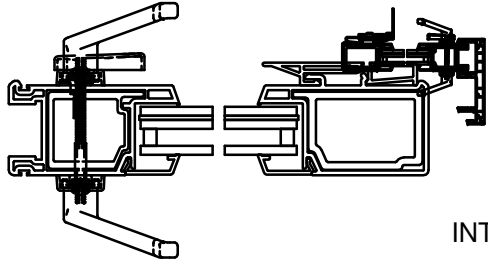
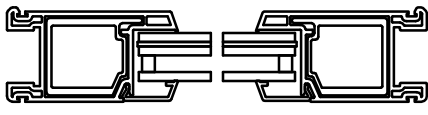
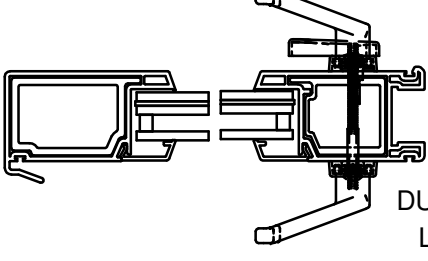
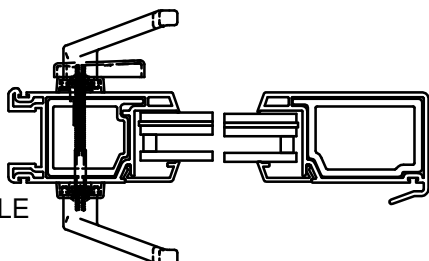
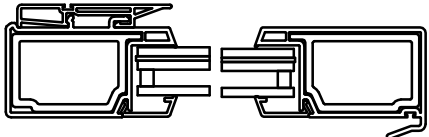
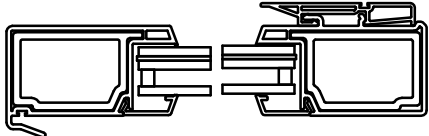
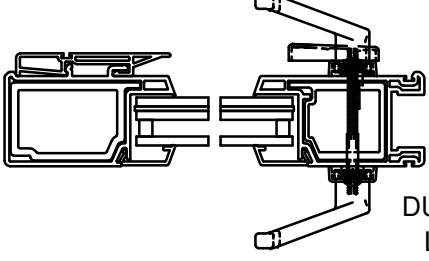
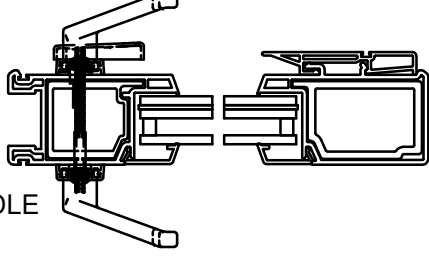
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8501 N. W. 90th Street
Medley, FL 33166

TITLE: CONFIGURATIONS, TYPICAL

SERIES: SGD-1550	DRAWN BY: MCL	DATE: 05/4/2020
MODEL:	SCALE: N.T.S.	DWG. NO. L-1550-2001
	REV. LETTER:	SHEET SHT 29 of 30

A	OPERABLE  LOCKSTILE INTERLOCK
B	FIXED  INTERLOCK FIXED STILE
C	OPERABLE  INTERLOCK LOCKSTILE
D	FIXED  FIXED STILE INTERLOCK
E	OPERABLE  INTERLOCK LOCKSTILE
F	OPERABLE  LOCKSTILE INTERLOCK
G	FIXED  FIXED STILE FIXED STILE
H	OPERABLE  INTERLOCK DUMMY HANDLE LOCKSTILE
I	OPERABLE  DUMMY HANDLE LOCKSTILE INTERLOCK
J	OPERABLE  INTERLOCK INTERLOCK
K	OPERABLE  INTERLOCK INTERLOCK
L	OPERABLE  INTERLOCK DUMMY HANDLE LOCKSTILE
M	OPERABLE  DUMMY HANDLE LOCKSTILE INTERLOCK
NOTES: 1. ALL UNITS DESIGNATED AS OPERABLE HAVE ROLLERS. 2. ALL UNITS DESIGNATED AS FIXED DO NOT HAVE ROLLERS. 3. ALL UNITS WITH DUMMY HANDLES WILL BE ATTACHED TO ASTRAGAL. LUCAS A. TURNER, FL P.E. 58201 LICENSE No. 58201 10/1/2020 PROFESSIONAL ENGINEER STATE OF FLORIDA Lucas A. Turner, FLPE #58201 Turner Eng. & Cons., Inc. FBPE COA #29779 2428 Old Natchez Trc. Trl. Camden, TN 38320 Ph. 941-380-1574 LAWSON INDUSTRIES, INC. 8501 N. W. 90th Street Medley, FL 33166 TITLE: PANEL TYPES SERIES: SGD-1550 DRAWN BY: MCL DATE: 05/4/2020 MODEL: SCALE: N.T.S. DWG. NO. L-1550-2001 REV. LETTER: SHEET SHT 30 of 30	