



SERIES 400SS/TU SG CURTAIN WALL (NON-HVHZ) (NON-IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITH OUT CONSIDERATION OF TOLERANCE). TOLERANCE ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. REFER TO SECTION 7 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
6. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.

INSTRUCTIONS:

USE CHARTS AS FOLLOW	
STEP 1.	DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
STEP 2.	SEE CHARTS ON SECTION 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
STEP 3.	CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, SINGLE SPAN, TWIN SPAN, MULTIPLE SPANS AND CORNERS ON SECTIONS 3 & 4.
STEP 4.	USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 7 WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
STEP 5.	CHECK INTERMEDIATE ANCHOR CAPACITY FOR MULTIPLE SPANS USING CHARTS OR DETAILS ON SECTION 8.
STEP 6.	THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, **EXCLUDING** REQUIREMENTS FOR HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 501-15
 - ASTM E283-19
 - ASTM E330-14(21)
 - ASTM E331-00(16)
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND THE INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITION CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE.

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TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

COVER SHEET & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-5478
FAX: (954) 744-4738
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Reason: I am approving this document
Date: 2025.06.23 11:40:00'

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1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47606

DATE:

06.12.25

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

TLI029

SECTION

1.0

[PAGE 1 of 30]

SERIES 400SS/TU SG CURTAIN WALL
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ELEVATIONS

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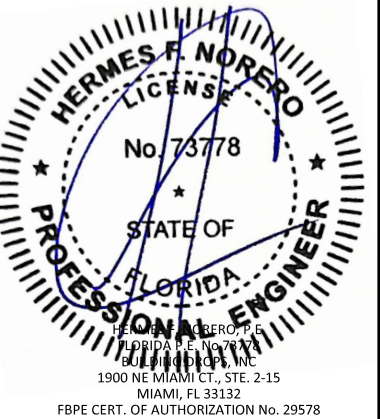
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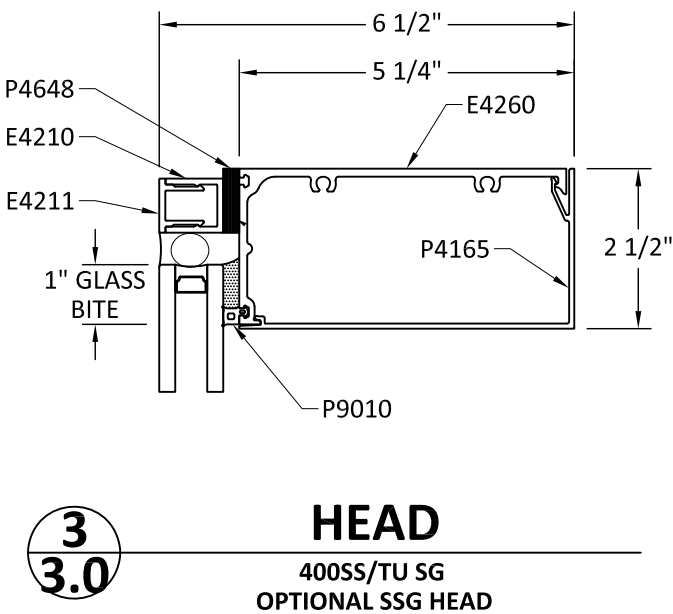
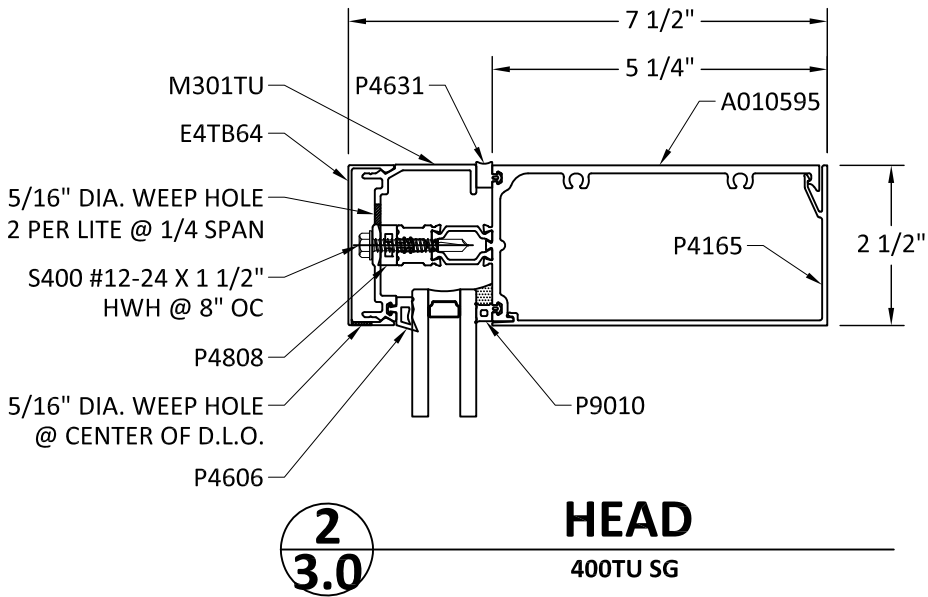
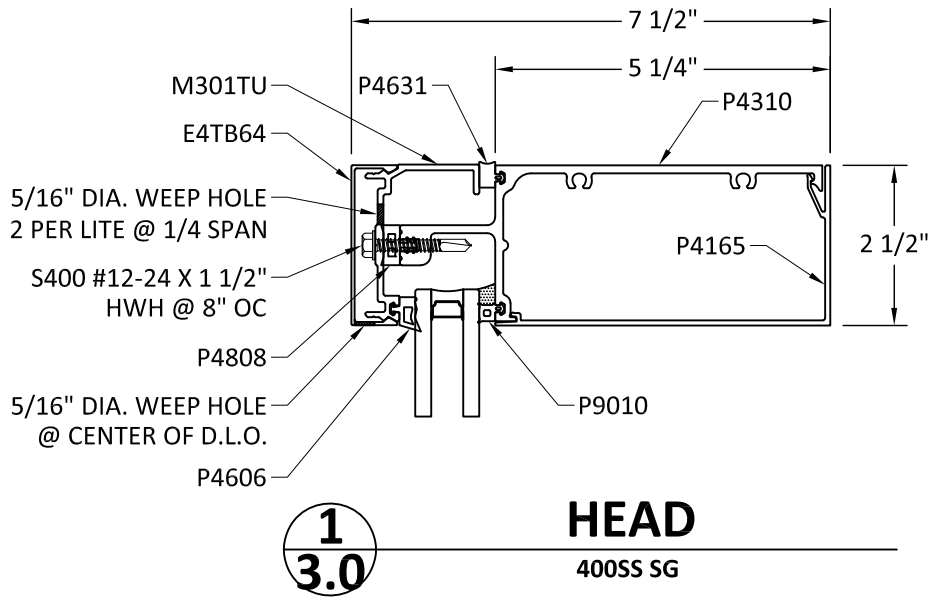
AVERAGE MULLION SPACING

$$\text{TYP. MULL. (W)} = \frac{W2 + W3}{2} \text{ OR } \frac{W4 + W5}{2}$$

$$\text{JAMB MULL. (W)} = \frac{W3}{2} \text{ OR } \frac{W4}{2} \text{ OR } \frac{W5}{2}$$

$$\text{OUTSIDE CORNER MULL. (W)} = \frac{W1 + W2}{2}$$

HORIZONTAL SECTIONS



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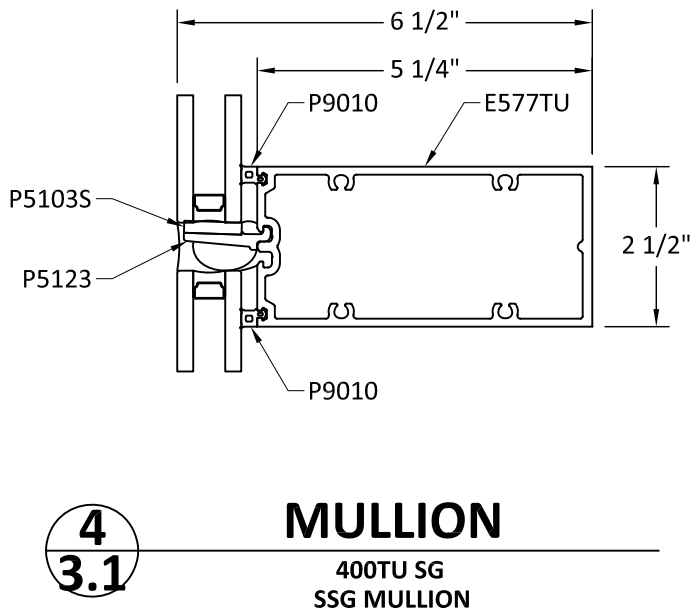
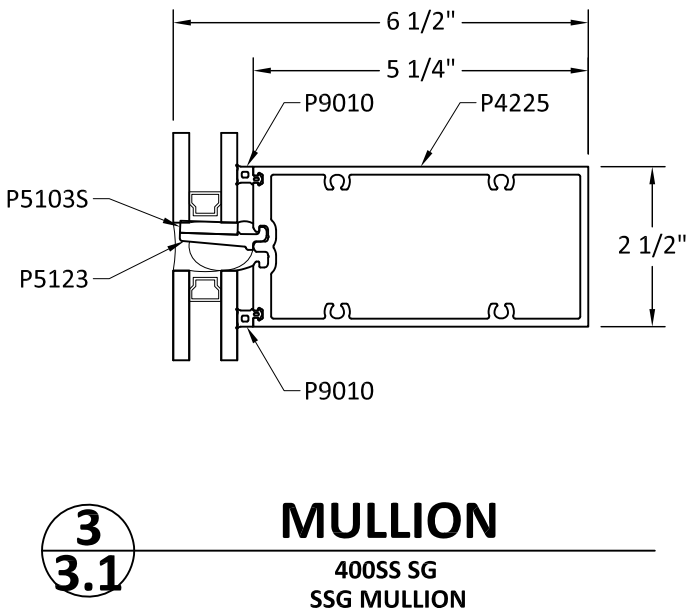
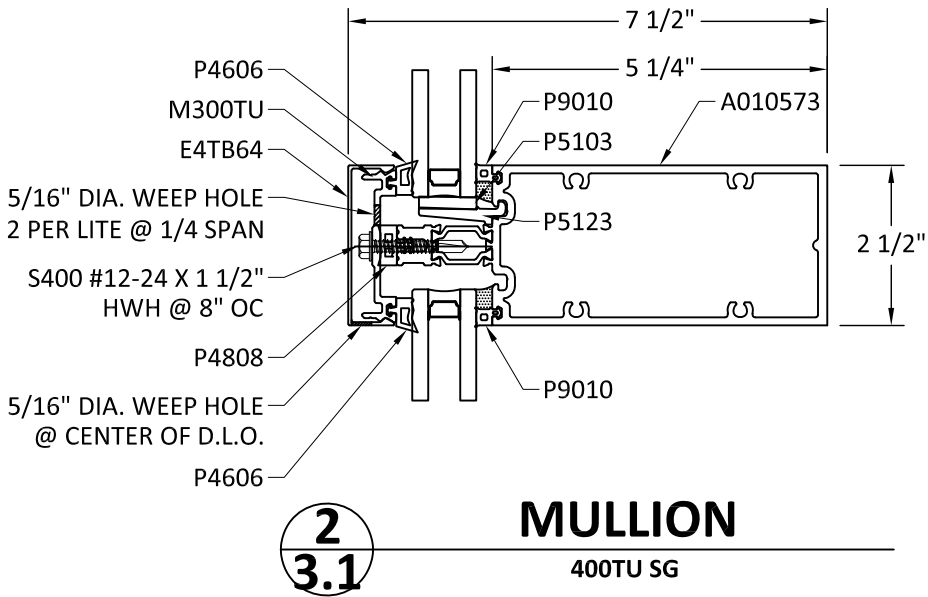
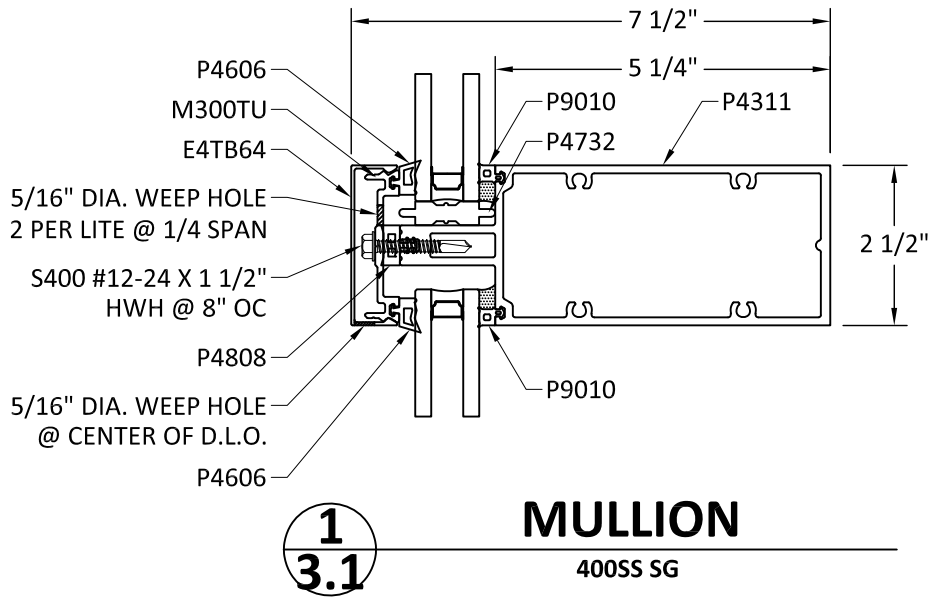
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SECTION

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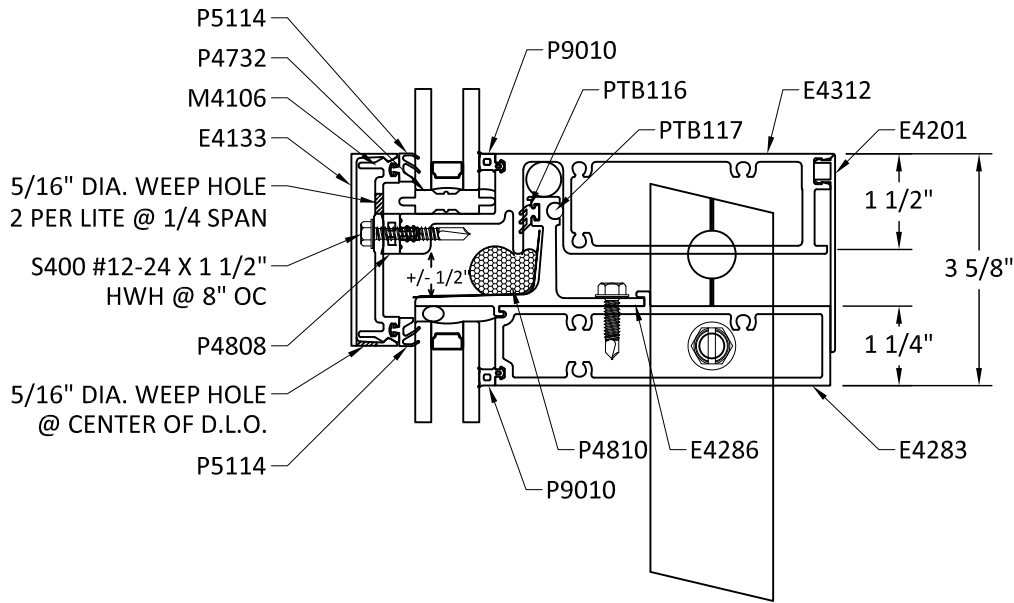
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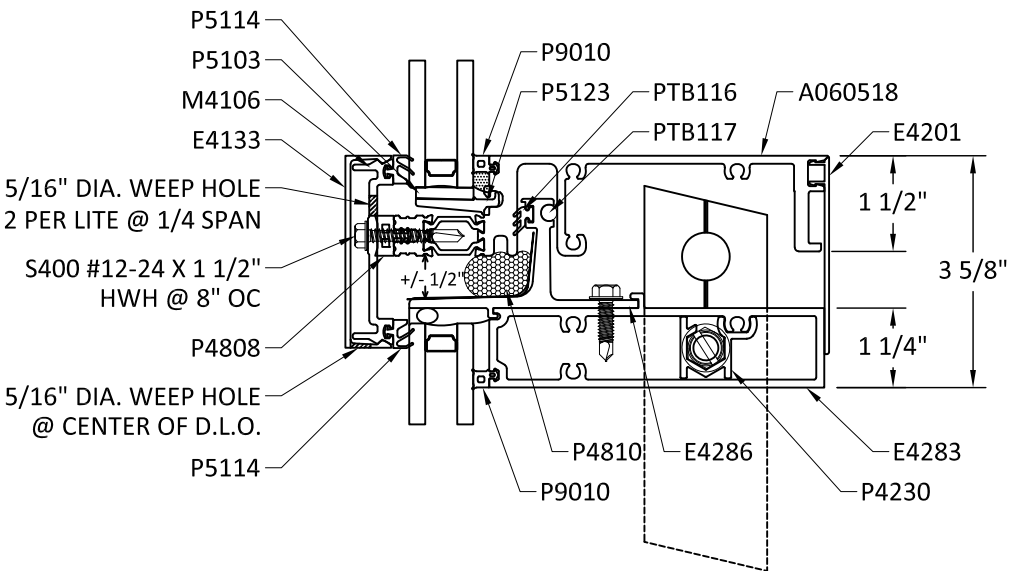
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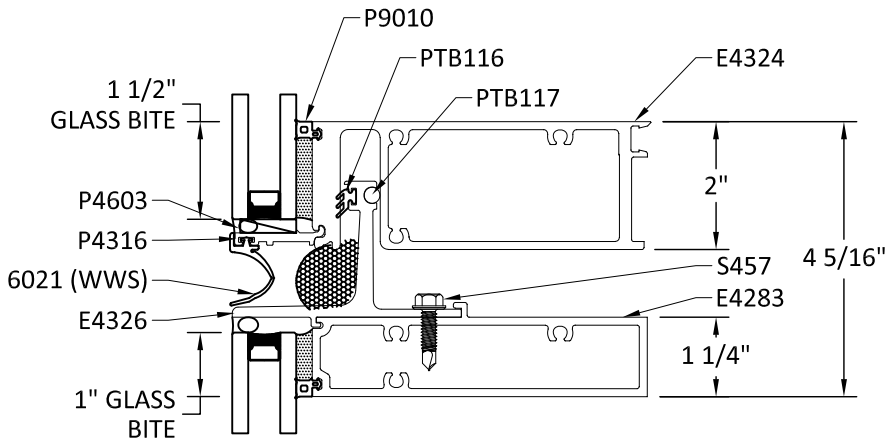
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1
3.2
MULLION
400SS SG
EXPANSION MULLION



2
3.2
MULLION
400TU SG
EXPANSION MULLION



3
3.2
MULLION
400SS/TU SG
OPTIONAL SSG EXPANSION MULLION

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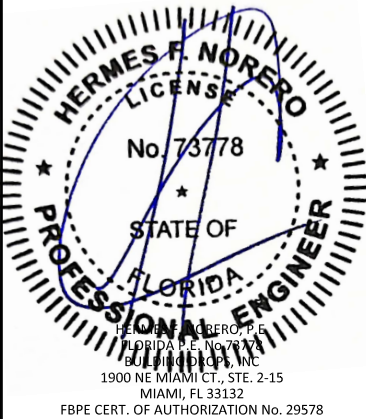
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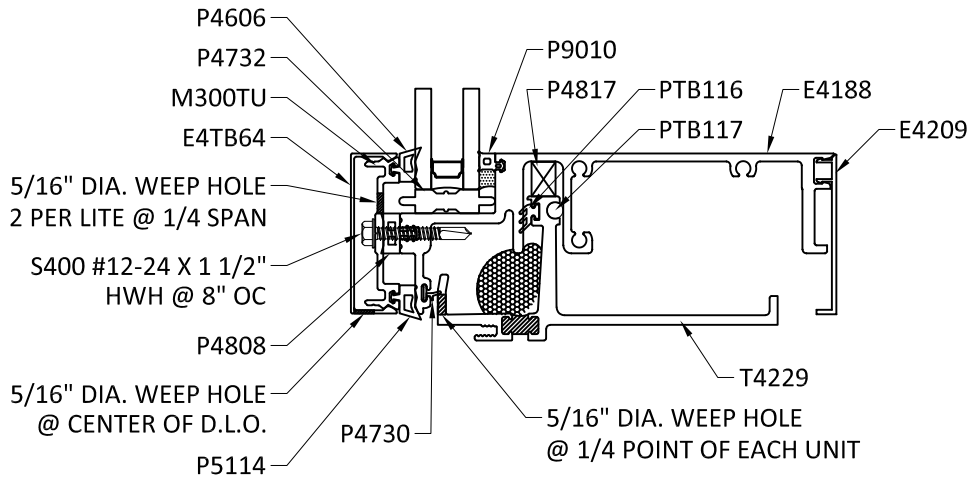
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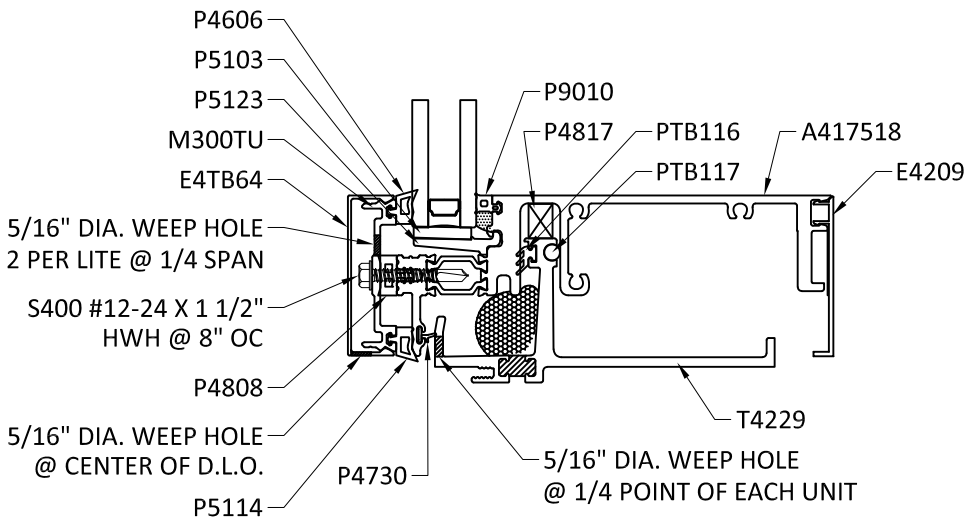
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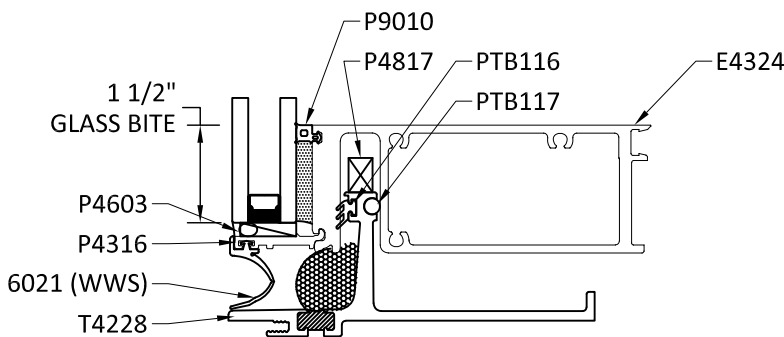
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1
3.3
SILL
400SS SG



2
3.3
SILL
400TU SG



3
3.3
SILL
400SS/TU SG
OPTIONAL SSG SILL

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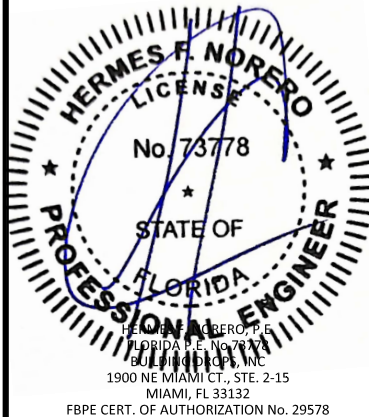
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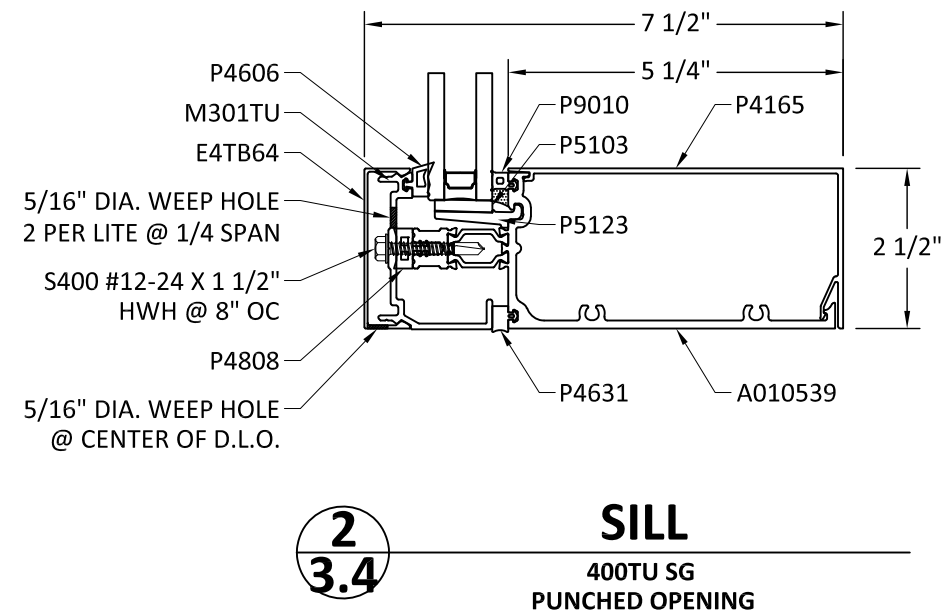
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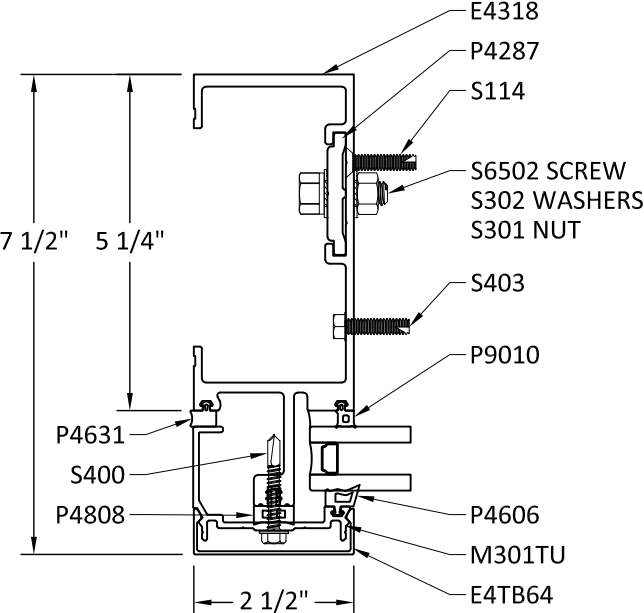
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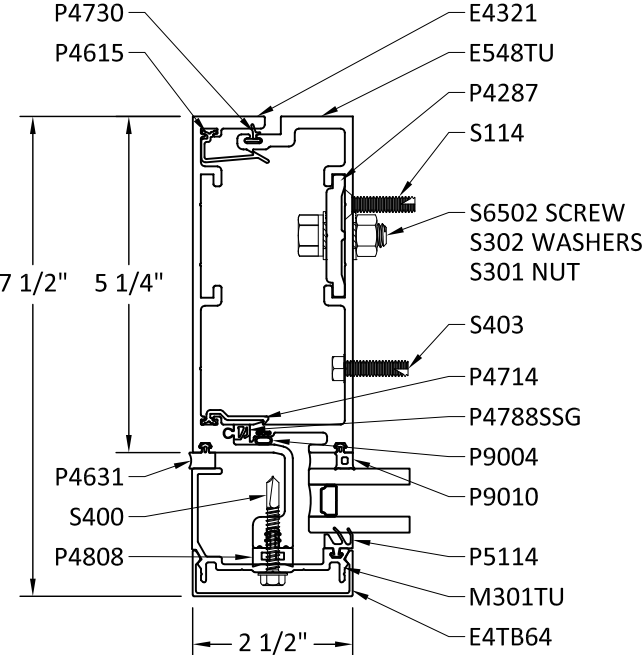
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JAMB DETAILS



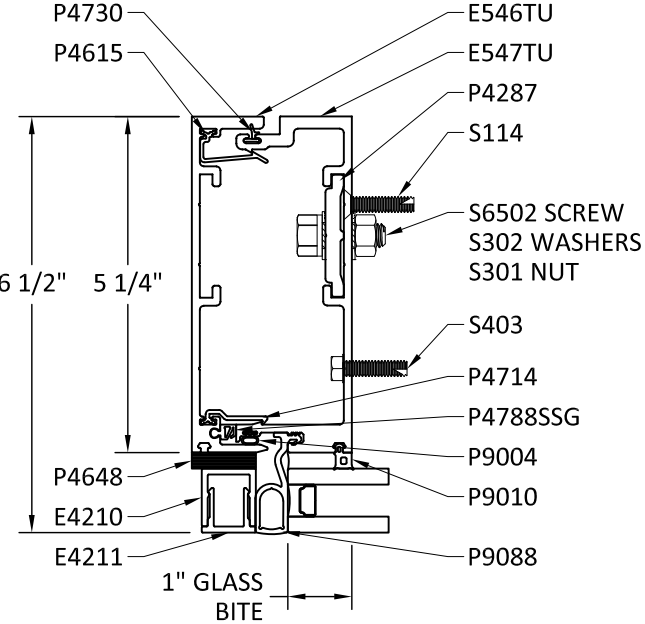
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JAMB
400SS SG



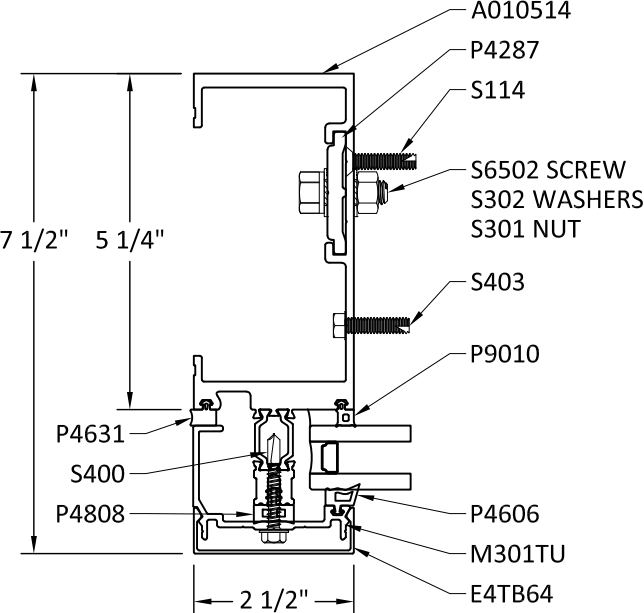
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JAMB
400SS SG



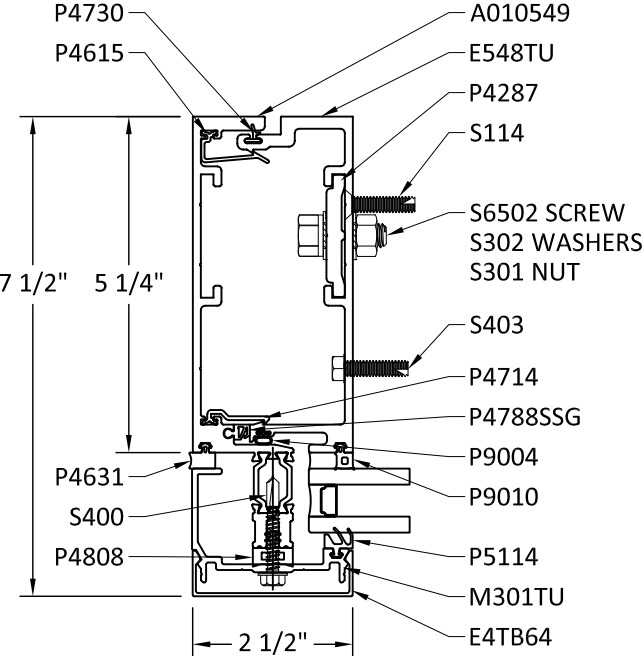
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4.0

JAMB
400SS/TU SG
SSG JAMB



4
4.0

JAMB
400TU SG



5
4.0

JAMB
400TU SG

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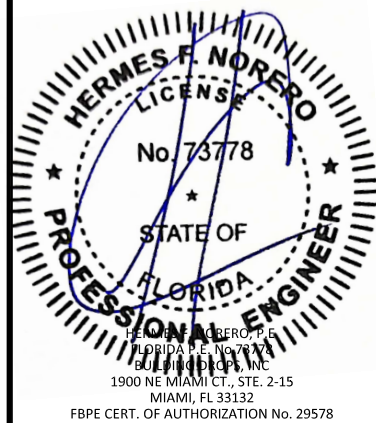
VERTICAL SECTIONS

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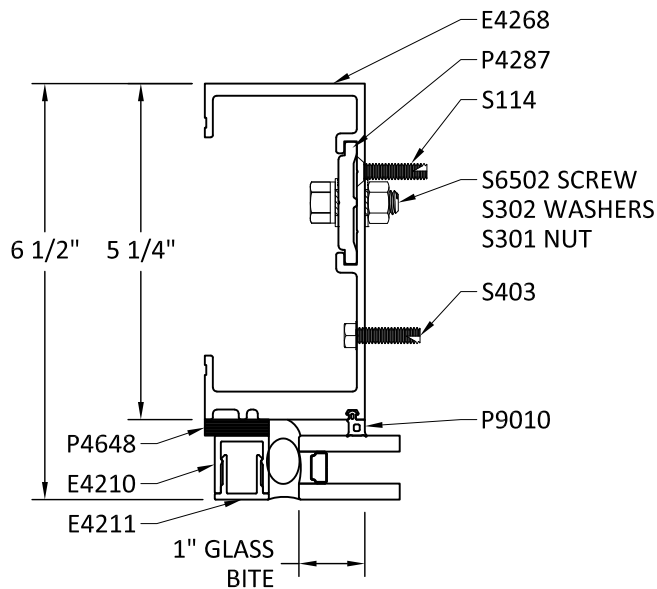
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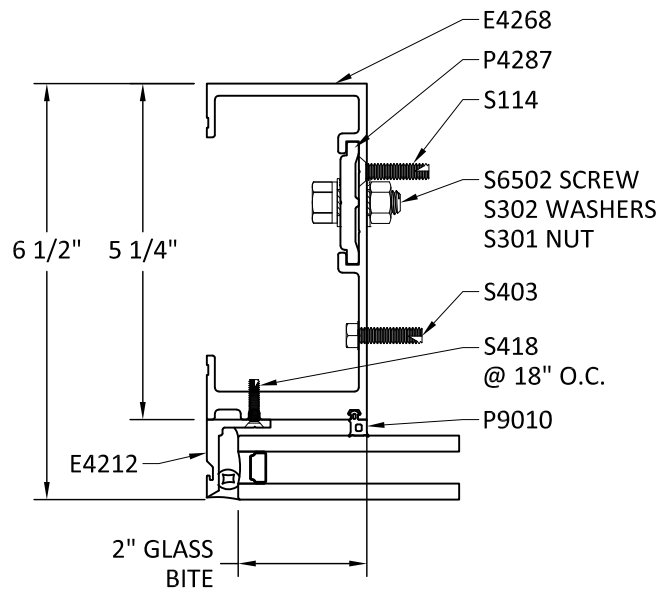
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JAMB DETAILS



1
4.1

JAMB
400SS/TU SG
OPTIONAL SSG JAMB



2
4.1

JAMB
400SS/TU SG
OPTIONAL SSG JAMB

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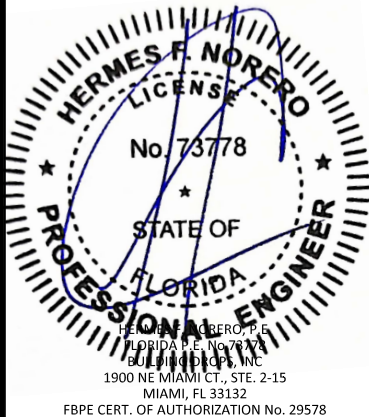
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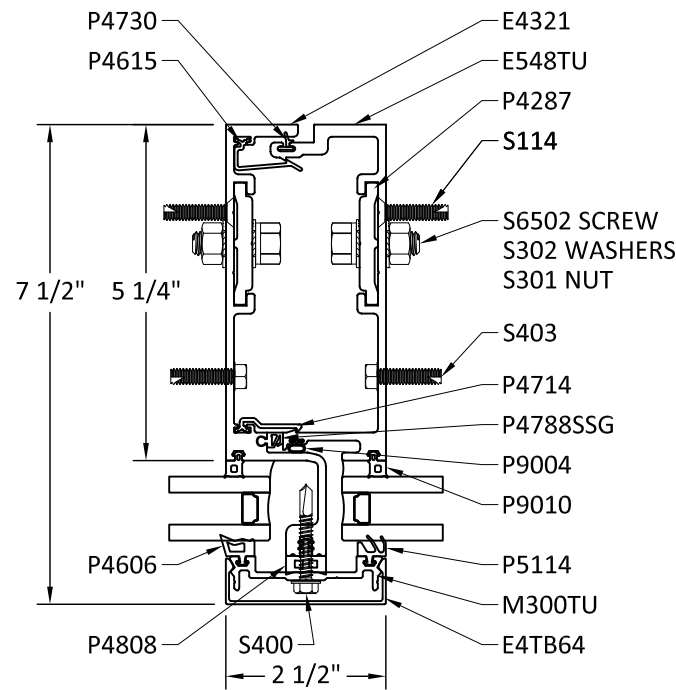
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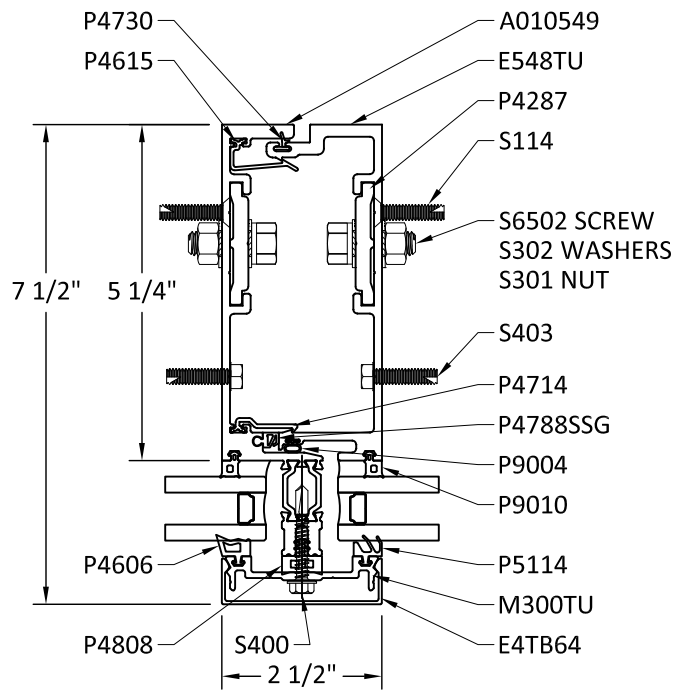
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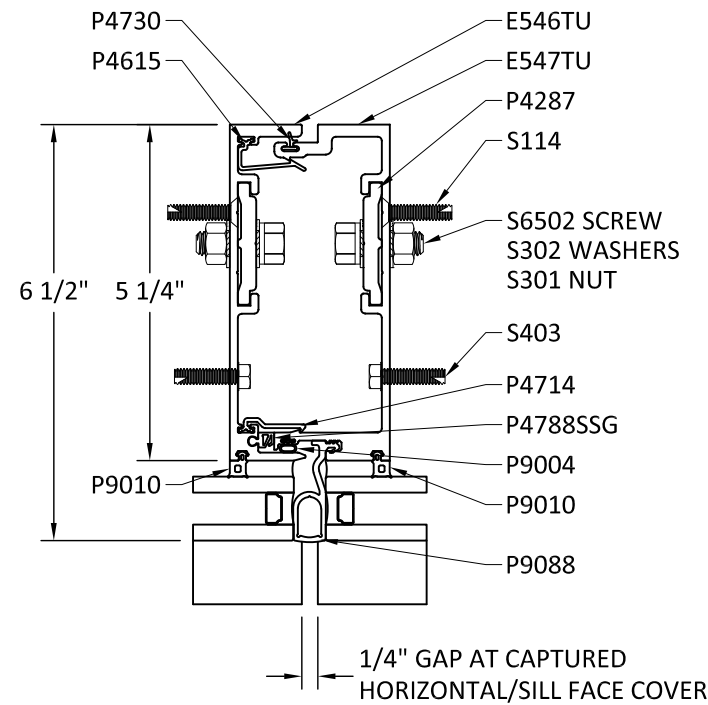
VERTICAL MULLION DETAILS



1
4.2 **VERTICAL MULLION**
400SS SG



2
4.2 **VERTICAL MULLION**
400TU SG



3
4.2 **VERTICAL MULLION**
400SS/TU SG
SSG MULLION

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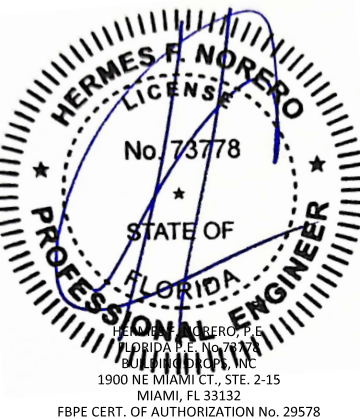
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SCALE: **NTS**

DWG. #: **TLI029**

SECTION

4.2

[PAGE 10 of 30]

JAMB & VERTICAL MULLION CAPACITY

TWIN SPAN VERTICAL MEMBER CAPACITY - JAMB & VERTICAL MULLION (+/- PSF)																
SPAN HEIGHT 'H' (IN.)	TRIBUTARY WIDTH 'W' (IN.)															
	24	30	36	42	48	54	60	62	66	72	78	84	90	96	102	108
72	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	59.05	55.11	51.67	48.63	45.93
78	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	58.70	54.51	50.87	47.69	44.89	42.39
84	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	59.05	54.51	50.61	47.24	44.29	41.68	-
90	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	55.11	50.87	47.24	44.09	41.33	-	-
96	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	56.36	51.67	47.69	44.29	41.33	-	-	-
102	60.00	60.00	60.00	60.00	60.00	60.00	58.35	56.47	53.05	48.63	44.89	41.68	-	-	-	-
108	60.00	60.00	60.00	60.00	60.00	60.00	55.11	53.33	50.10	45.93	42.39	-	-	-	-	-
114	60.00	60.00	60.00	60.00	60.00	58.01	52.21	50.53	47.46	43.51	40.16	-	-	-	-	-
120	60.00	60.00	60.00	60.00	60.00	55.11	49.60	48.00	45.09	41.33	-	-	-	-	-	-
126	60.00	60.00	60.00	60.00	59.05	52.49	47.24	45.71	42.94	-	-	-	-	-	-	-
132	60.00	60.00	60.00	60.00	56.36	50.10	45.09	43.64	40.99	-	-	-	-	-	-	-
138	60.00	60.00	60.00	60.00	53.91	47.92	43.13	41.74	-	-	-	-	-	-	-	-
144	60.00	60.00	60.00	59.05	51.67	45.93	41.33	40.00	-	-	-	-	-	-	-	-
150	60.00	60.00	60.00	52.24	45.71	40.63	-	-	-	-	-	-	-	-	-	-
156	60.00	60.00	54.18	46.44	40.64	36.12	-	-	-	-	-	-	-	-	-	-
162	60.00	58.06	48.38	41.47	36.29	32.26	-	-	-	-	-	-	-	-	-	-
168	60.00	52.06	43.38	37.18	32.54	-	-	-	-	-	-	-	-	-	-	-
174	58.57	46.86	39.05	33.47	29.29	-	-	-	-	-	-	-	-	-	-	-
180	52.91	42.33	35.27	30.23	26.45	-	-	-	-	-	-	-	-	-	-	-
186	47.95	38.36	31.97	27.40	23.98	-	-	-	-	-	-	-	-	-	-	-
192	43.59	34.88	29.06	24.91	-	-	-	-	-	-	-	-	-	-	-	-
198	39.75	31.80	26.50	22.71	-	-	-	-	-	-	-	-	-	-	-	-

VERTICAL MEMBER TWIN SPAN NOTES:

1. TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER SPAN HEIGHT ('H') AND TRIBUTARY WIDTH ('W').
2. FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.
3. FOR ANCHORS AND INTERMEDIATE CONNECTION DETAILS, REFER TO SECTION 7 FOR ANCHOR SELECTION, SUBSTRATE REQUIREMENTS, AND FURTHER LIMITATIONS OF USE.

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VERTICAL SECTIONS

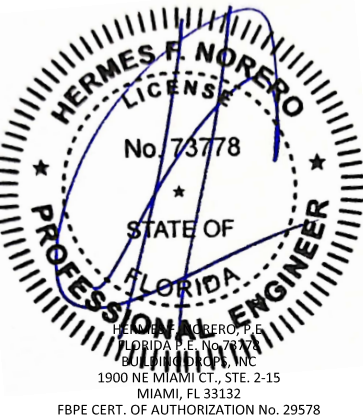
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FL47606

DATE: 06.12.25

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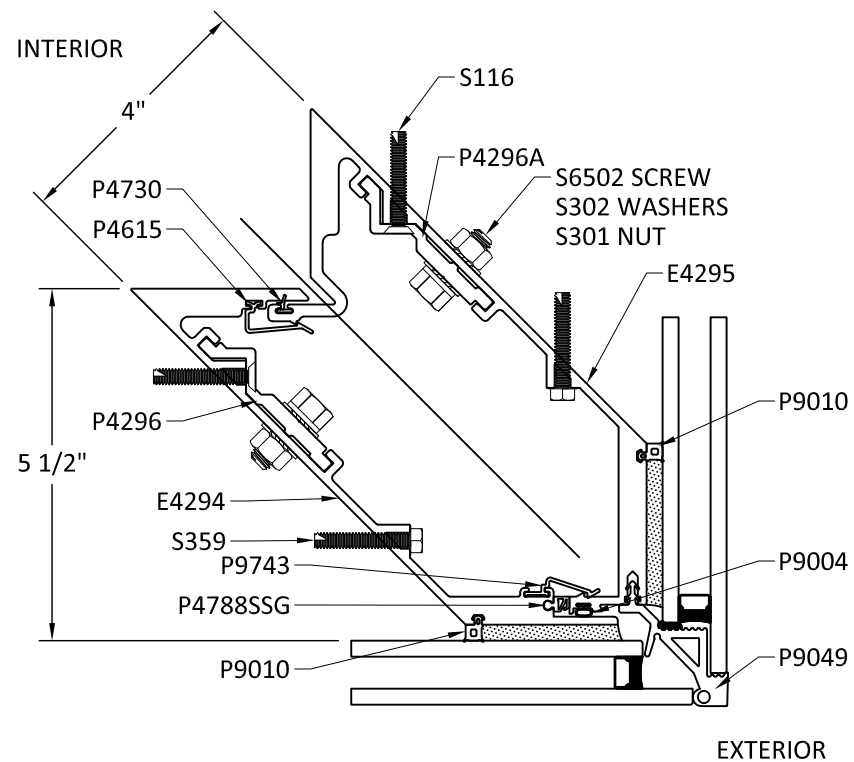
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DWG. #: TLI029

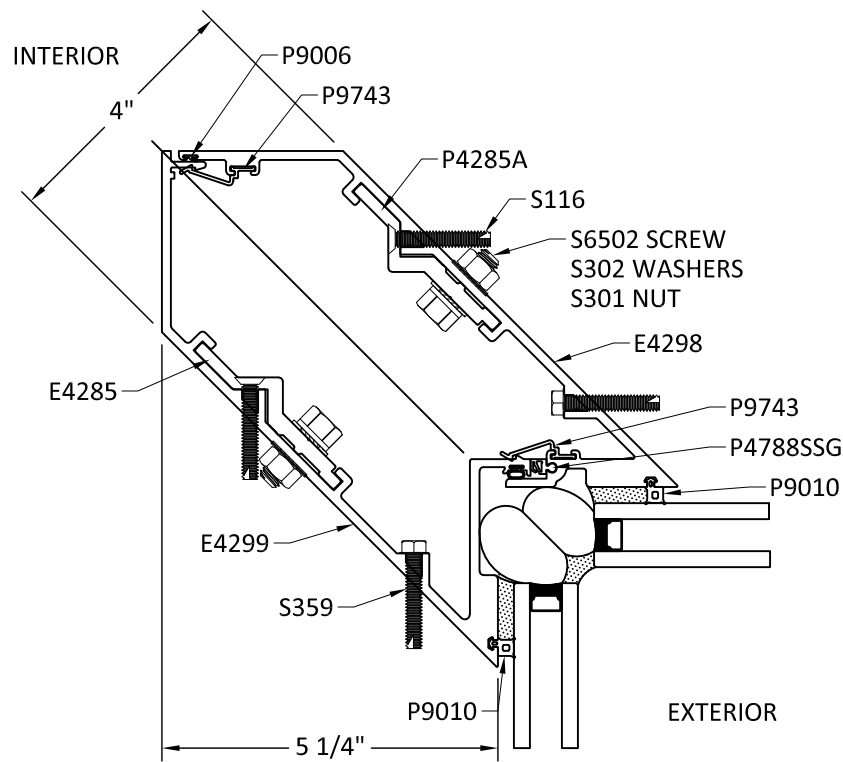
SECTION

4.4

CORNER DETAILS



1
4.5
OUTSIDE CORNER
400SS/TU SG



2
4.5
INSIDE CORNER
400SS/TU SG

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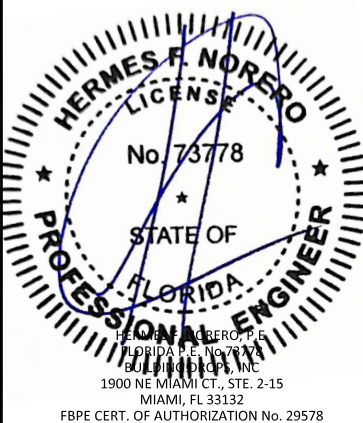
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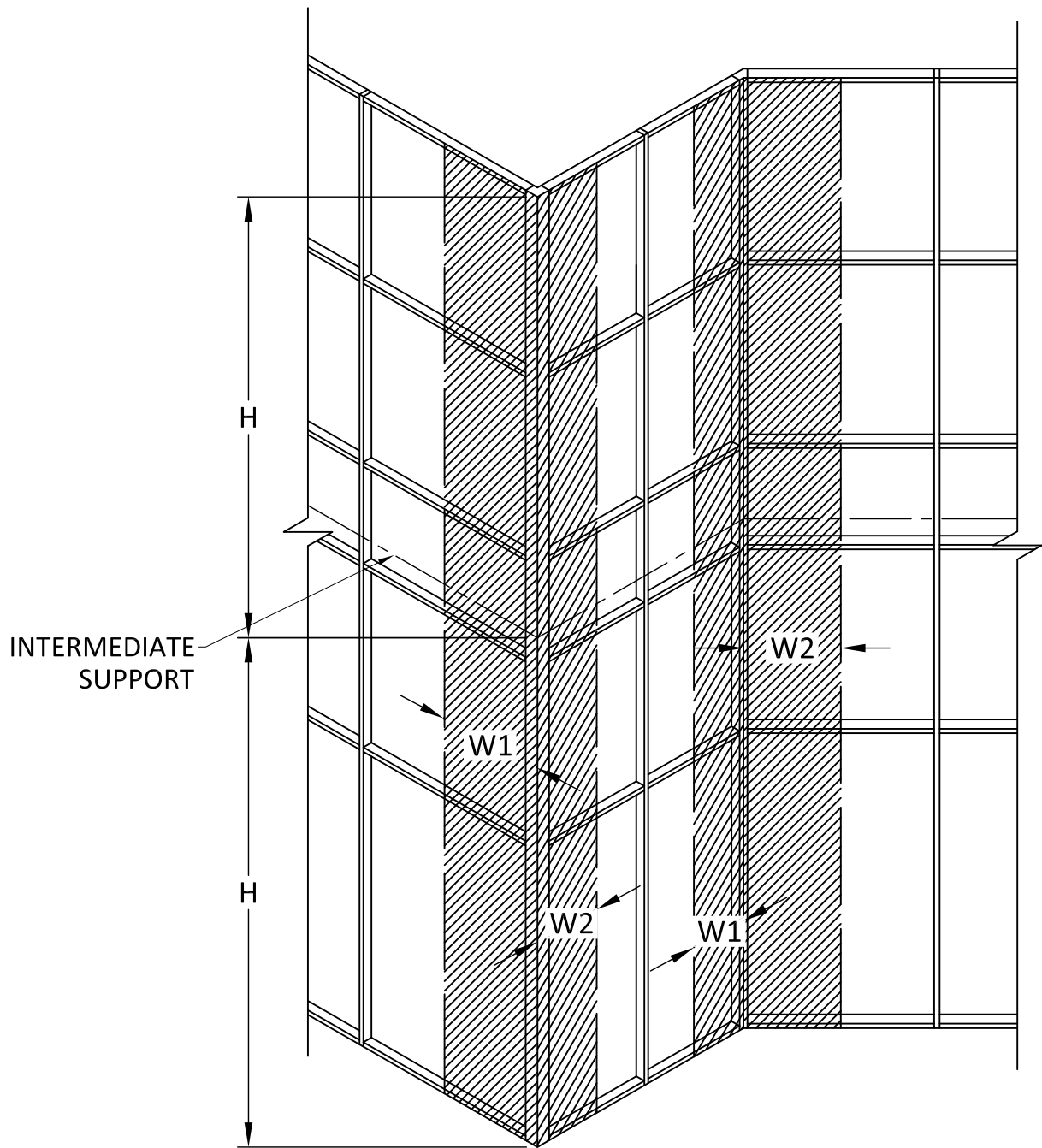
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[PAGE 13 of 30]	

CORNER MULLION CAPACITY



TRIBUTARY WIDTH (W) = W1 + W2

CORNER TRIBUTARY AREAS ISOMETRIC

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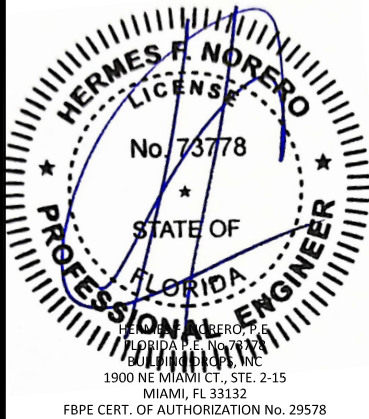
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SECTION

4.6

CORNER MULLION CAPACITY

TWIN SPAN VERTICAL MEMBER CAPACITY - CORNER MULLION (+/- PSF)																
SPAN HEIGHT 'H' (IN.)	TRIBUTARY WIDTH 'W' (IN.)															
	24	30	36	42	48	54	58.75	60	66	72	78	84	90	96	102	108
72	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	55.95	52.22	48.96	46.08	43.52
78	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	55.62	51.65	48.21	45.19	42.53	40.17
84	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	55.95	51.65	47.96	44.76	41.96	-	-
90	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	56.97	52.22	48.21	44.76	41.78	-	-	-
96	60.00	60.00	60.00	60.00	60.00	60.00	60.00	58.75	53.41	48.96	45.19	41.96	-	-	-	-
102	60.00	60.00	60.00	60.00	60.00	60.00	56.47	55.29	50.27	46.08	42.53	-	-	-	-	-
108	60.00	60.00	60.00	60.00	60.00	58.02	53.33	52.22	47.47	43.52	40.17	-	-	-	-	-
114	60.00	60.00	60.00	60.00	60.00	54.97	50.53	49.47	44.98	41.23	-	-	-	-	-	-
120	60.00	60.00	60.00	60.00	58.75	52.22	48.00	47.00	42.73	-	-	-	-	-	-	-
126	60.00	60.00	60.00	60.00	55.95	49.74	45.71	44.76	40.69	-	-	-	-	-	-	-
132	60.00	60.00	60.00	60.00	53.41	47.47	43.64	42.73	-	-	-	-	-	-	-	-
138	60.00	60.00	60.00	58.39	51.09	45.41	41.74	40.87	-	-	-	-	-	-	-	-
144	60.00	60.00	60.00	55.95	48.96	43.52	40.00	-	-	-	-	-	-	-	-	-
150	60.00	60.00	57.75	49.50	43.32	38.50	-	-	-	-	-	-	-	-	-	-
156	60.00	60.00	51.34	44.01	38.51	34.23	-	-	-	-	-	-	-	-	-	-
162	60.00	55.02	45.85	39.30	34.39	-	-	-	-	-	-	-	-	-	-	-
168	60.00	49.33	41.11	35.24	30.83	-	-	-	-	-	-	-	-	-	-	-
174	55.50	44.40	37.00	31.71	27.75	-	-	-	-	-	-	-	-	-	-	-
180	50.13	40.11	33.42	28.65	-	-	-	-	-	-	-	-	-	-	-	-
186	45.44	36.35	30.29	25.96	-	-	-	-	-	-	-	-	-	-	-	-
192	41.31	33.05	27.54	23.60	-	-	-	-	-	-	-	-	-	-	-	-
198	37.67	30.13	25.11	21.52	-	-	-	-	-	-	-	-	-	-	-	-

VERTICAL MEMBER TWIN SPAN NOTES:

1.

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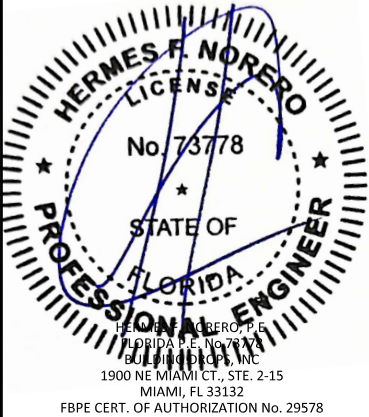
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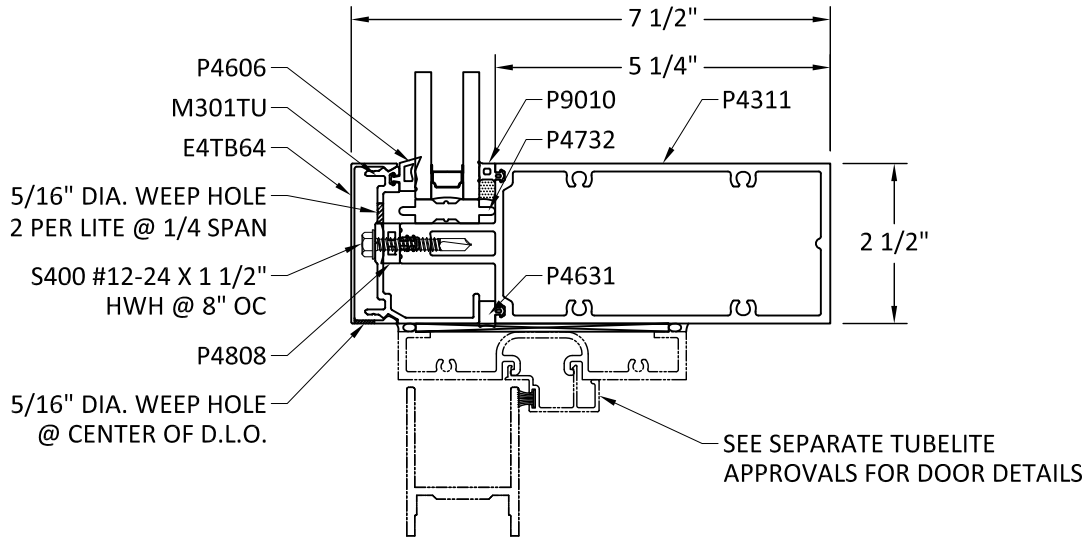
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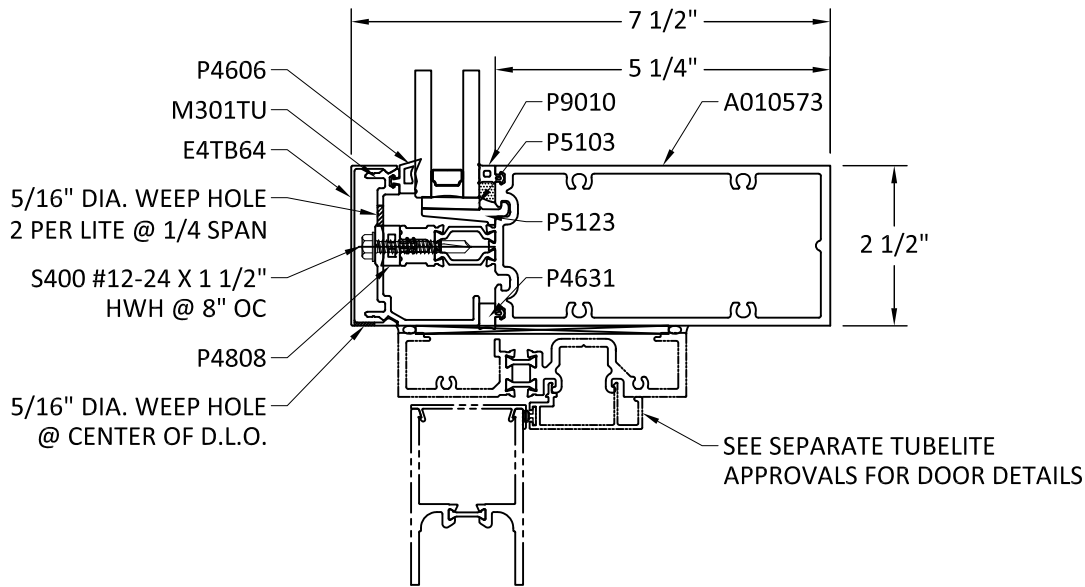
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4.7

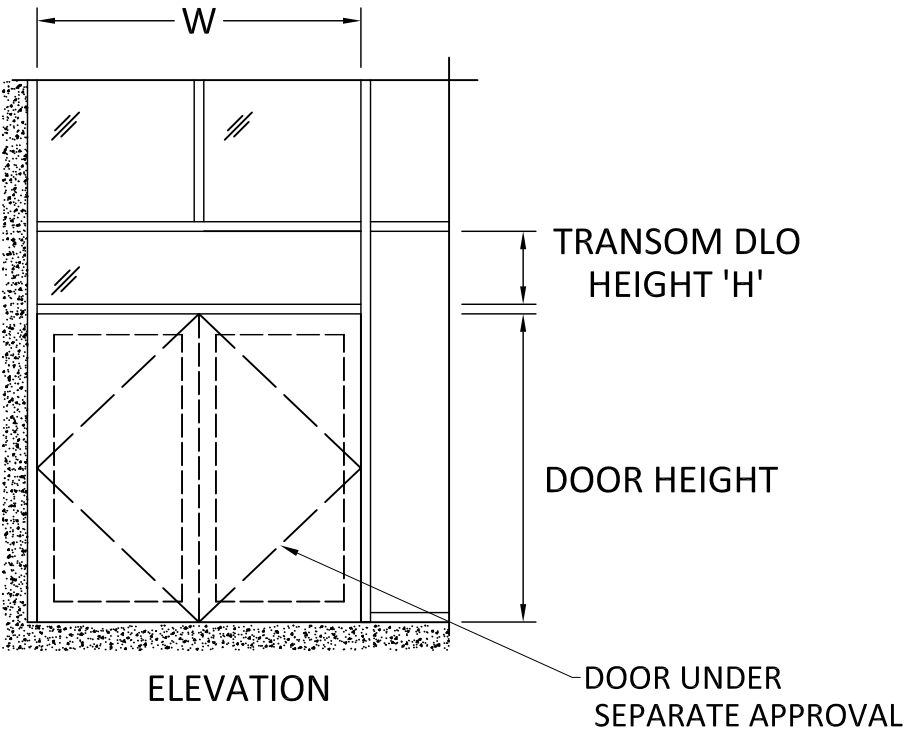
DOOR SECTION DETAILS



1 DOOR HEAD
5.0 400SS SG



2 DOOR HEAD
5.0 400TU SG



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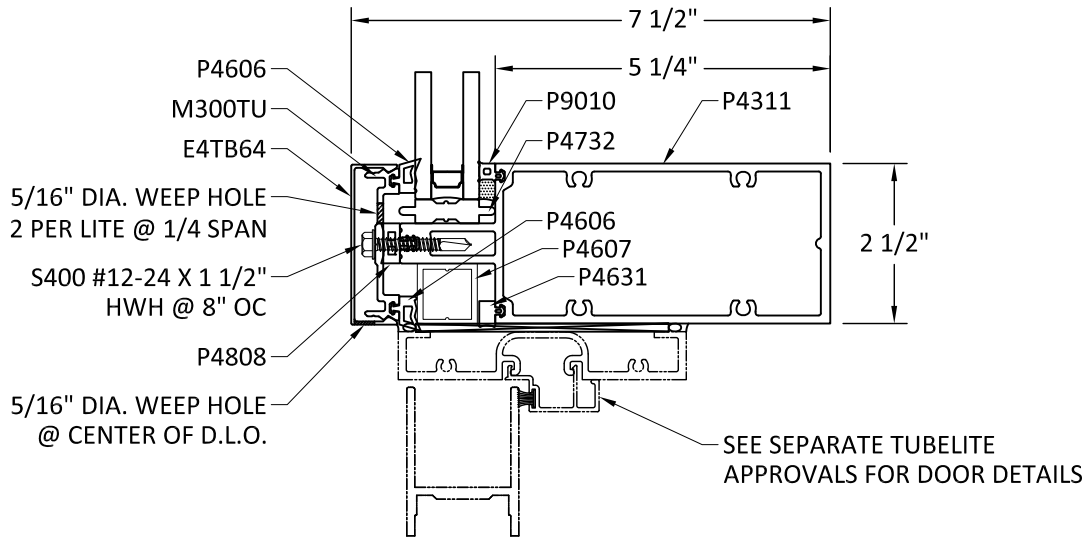
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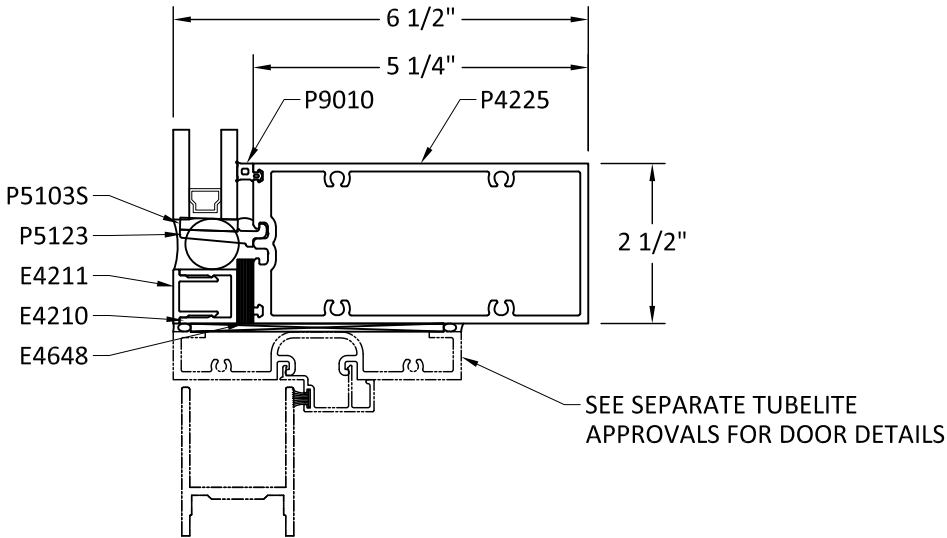
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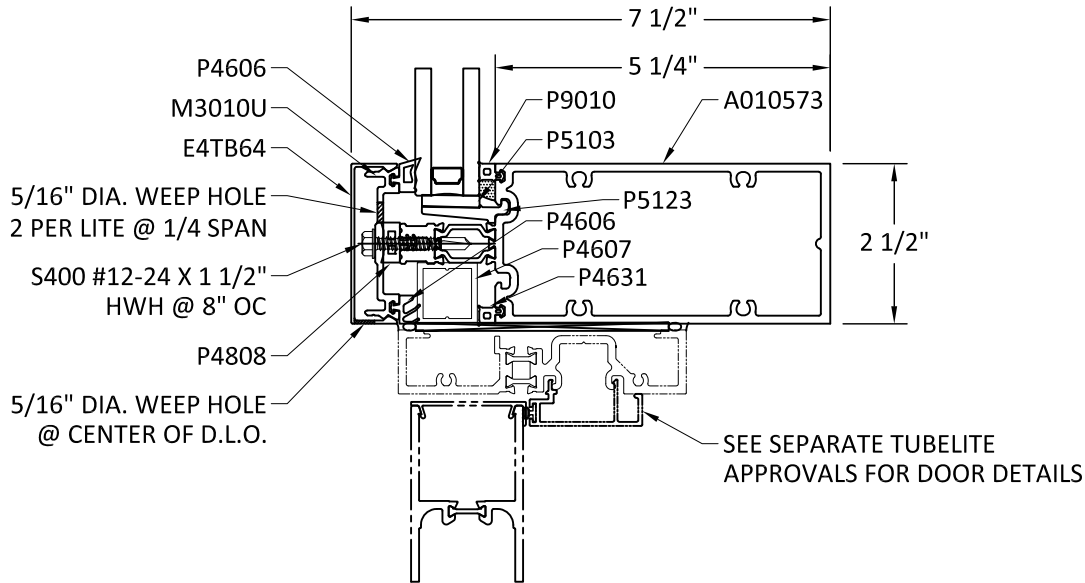
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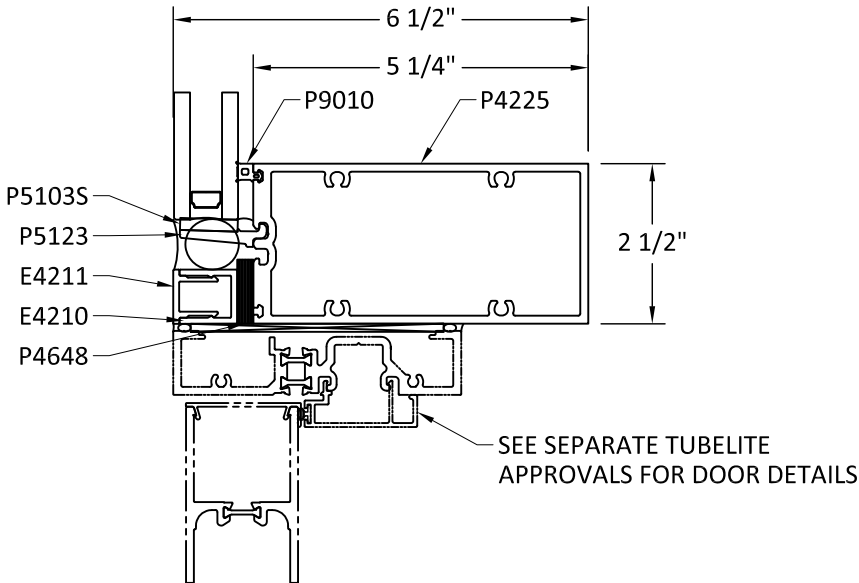
1
5.1 DOOR HEAD
400SS SG
OPTIONAL



2
5.1 DOOR HEAD
400SS SG
SSG



3
5.1 DOOR HEAD
400TU SG
OPTIONAL



4
5.1 DOOR HEAD
400TU SG
SSG

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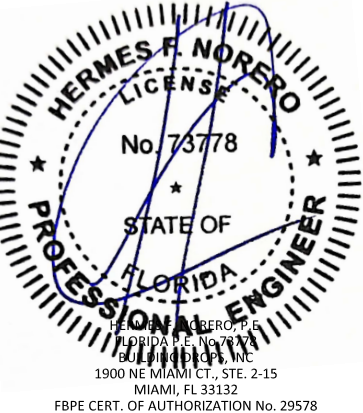
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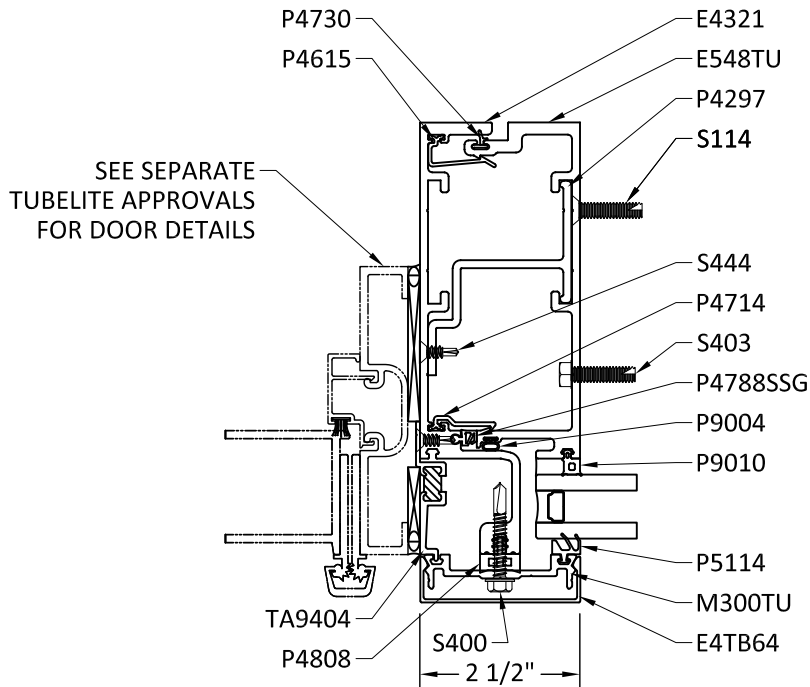
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SECTION
5.1
[PAGE 17 of 30]

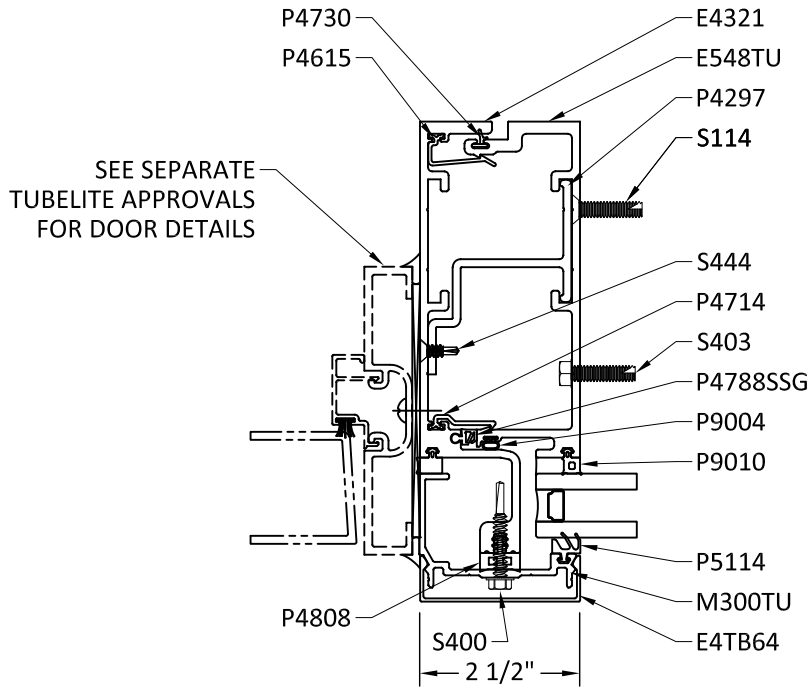
DOOR SECTION DETAILS



1
5.2

DOOR JAMB

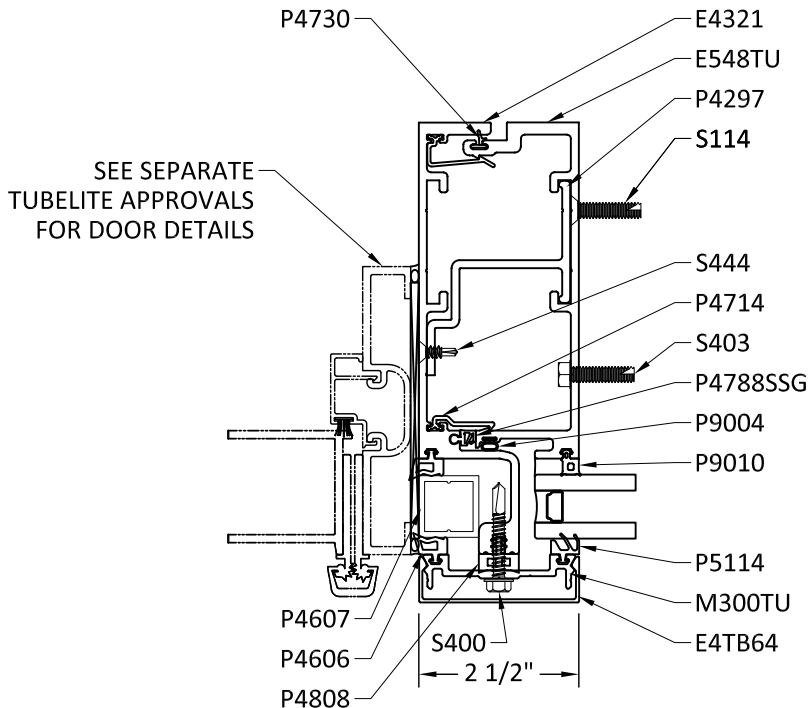
400SS SG



3
5.2

DOOR JAMB

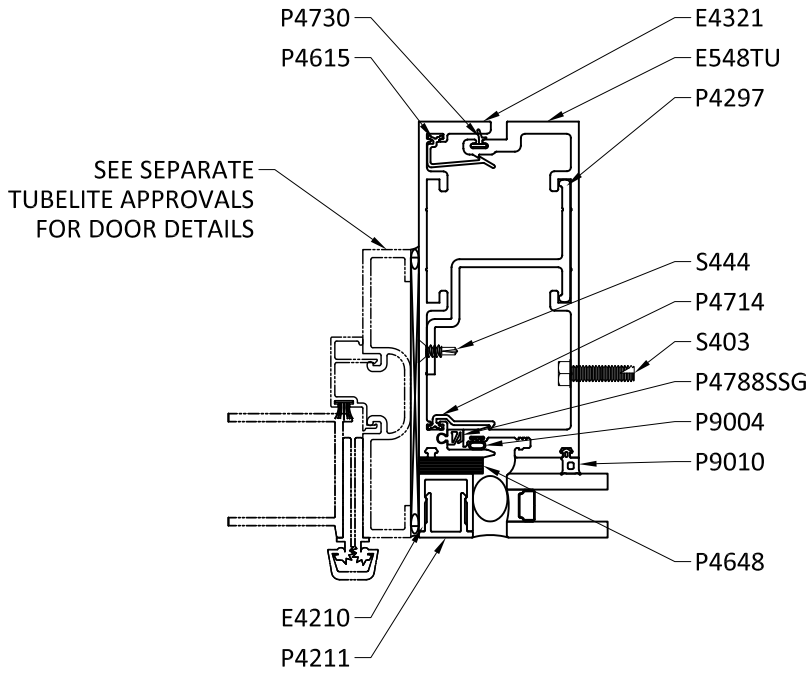
400SS SG
OPTIONAL



2
5.2

DOOR JAMB

400SS SG
OPTIONAL



4
5.2

DOOR JAMB

400SS SG
SSG

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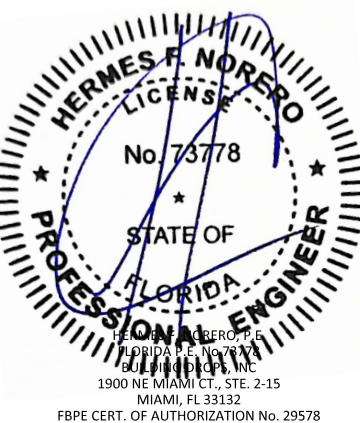
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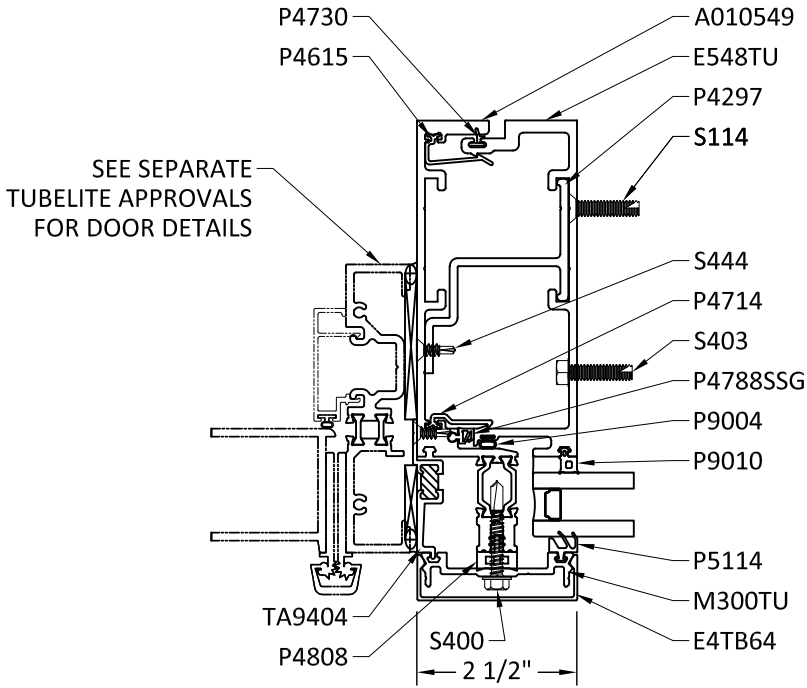
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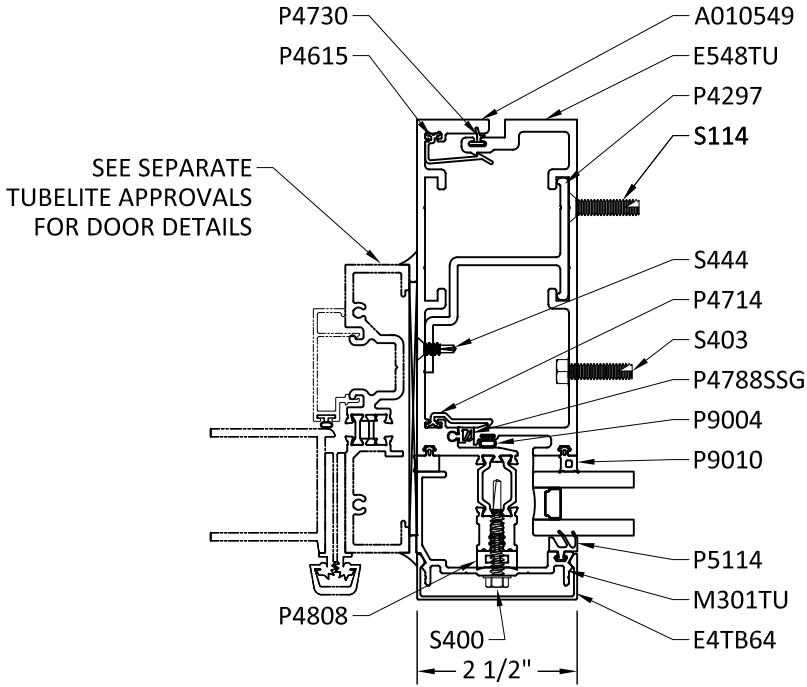


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SECTION	5.2
[PAGE 18 of 30]	

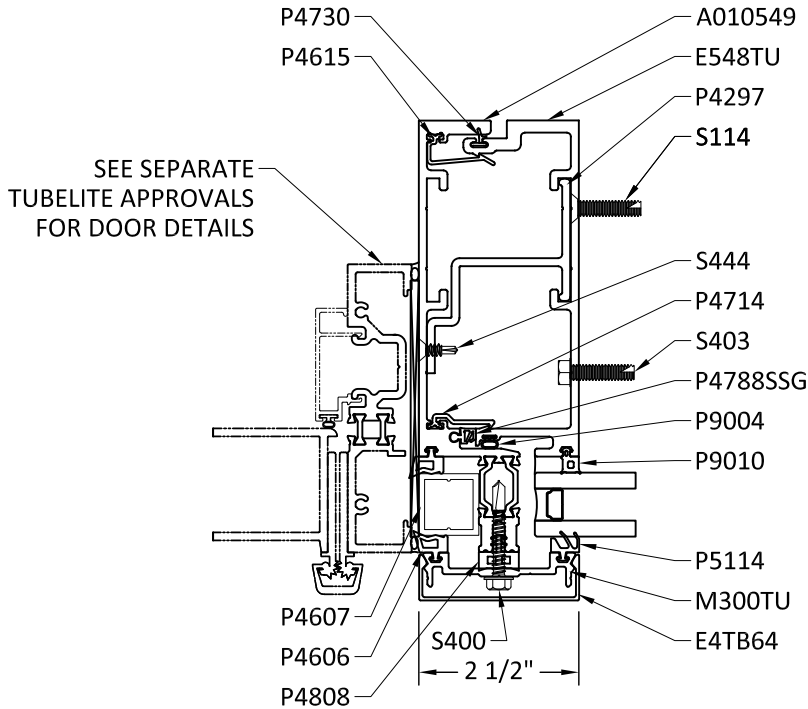
DOOR SECTION DETAILS



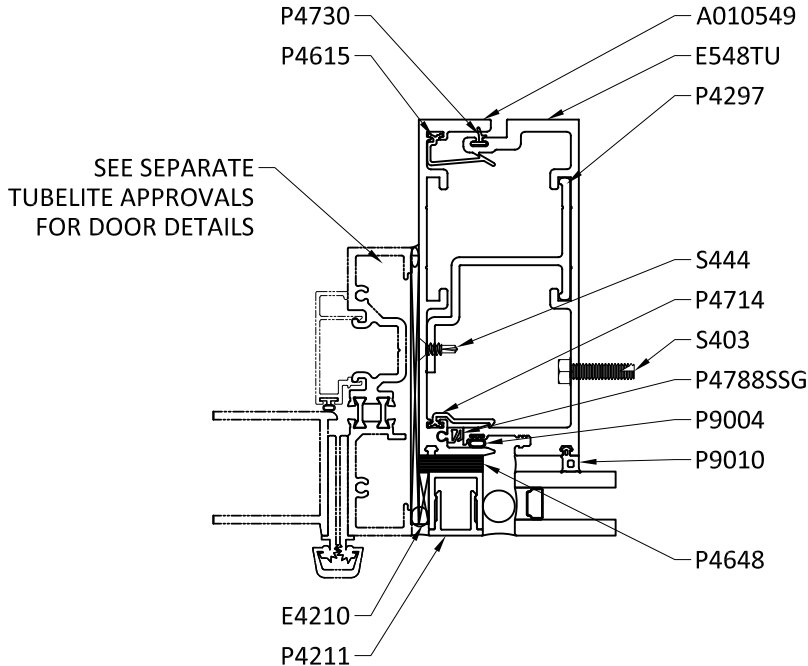
1
5.3 DOOR JAMB
400TU SG



3
5.3 DOOR JAMB
400TU SG
OPTIONAL



2
5.3 DOOR JAMB
400TU SG
OPTIONAL



4
5.3 DOOR JAMB
400TU SG
SSG

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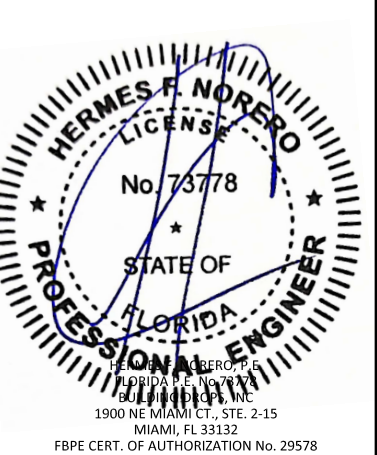
TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

DOOR SECTION DETAILS

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MIAMI, FL 33132
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WEB: www.buildingdrops.com

REMARKS	BY	DATE

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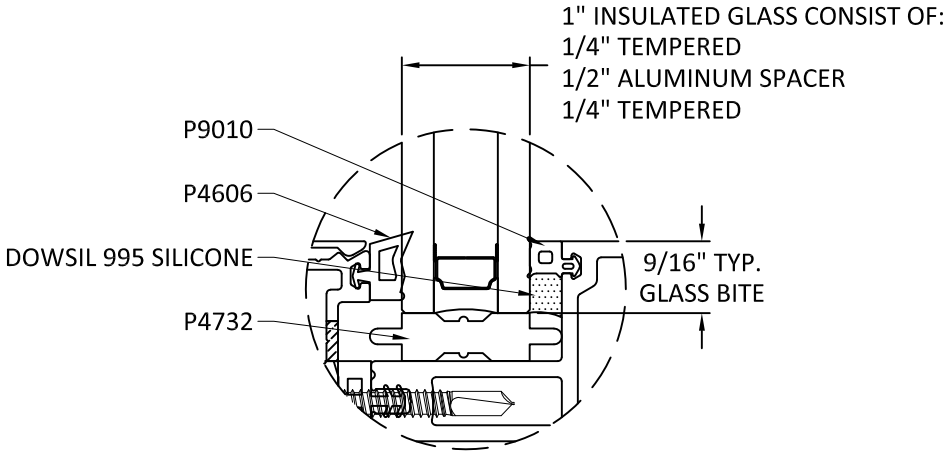
DWG. BY: **MS**CHK. BY: **HFN**

SCALE: **NTS**

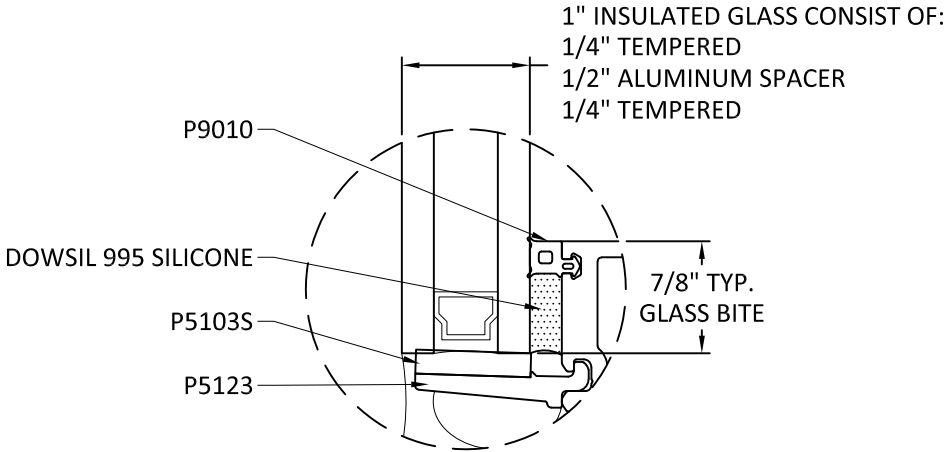
DWG. #: **TLI029**

SECTION
5.3
[PAGE 19 of 30]

GLAZING DETAILS AND CAPACITY

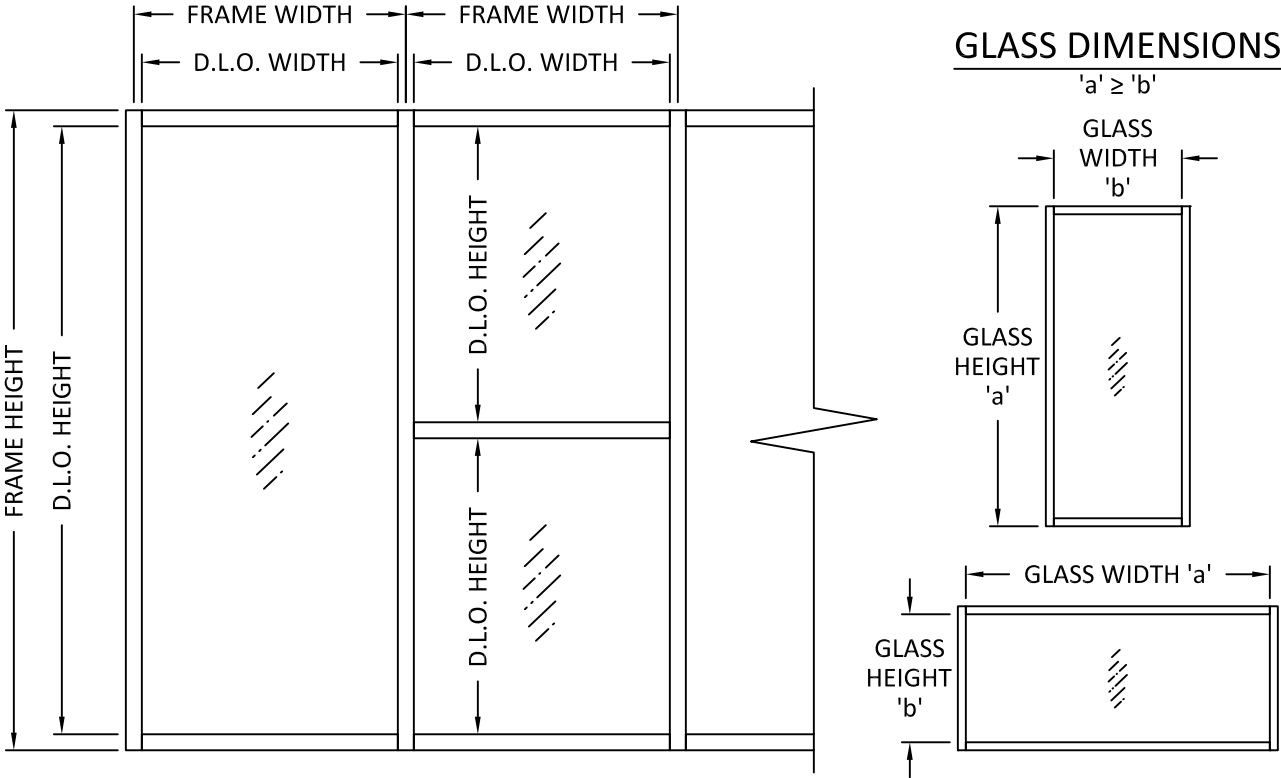


GLAZING DETAILS
CAPTURED GLASS



GLAZING DETAILS
SSG

NOTE: 400SS SG AND 400TU SG HAVE SIMILAR GLAZING DETAILS.



D.L.O. WIDTH = FRAME WIDTH - 2.5"
D.L.O. HEIGHT = FRAME HEIGHT - 5"

GLAZING NOTES:

- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES.

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TITLE:
SERIES 400SS/TU SG CURTAIN WALL
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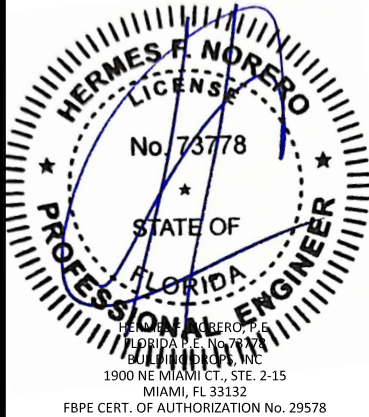
GLAZING DETAILS

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DWG. #: **TLI029**

SECTION

6.0

[PAGE 20 of 30]

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GLAZING DETAILS AND CAPACITY

GLASS LOAD CAPACITY - CAPTURED GLASS (+/- PSF)																
D.L.O. HEIGHT (IN.)	D.L.O. WIDTH (IN.)															
	24	30	36	42	48	54	56.25	60	66	72	78	84	90	96	102	108
72	60.00	60.00	60.00	53.57	46.88	41.67	40.00	37.50	34.09	31.25	31.25	31.25	31.25	31.25	31.25	31.25
78	60.00	60.00	60.00	53.57	46.88	41.67	40.00	37.50	34.09	31.25	28.85	28.85	28.85	28.85	-	-
84	60.00	60.00	60.00	53.57	46.88	41.67	40.00	37.50	34.09	31.25	28.85	26.79	26.79	-	-	-
90	60.00	60.00	60.00	53.57	46.88	41.67	40.00	37.50	34.09	31.25	28.85	26.79	-	-	-	-
96	60.00	60.00	60.00	53.57	46.88	41.67	40.00	37.50	34.09	31.25	28.85	-	-	-	-	-
102	60.00	60.00	60.00	53.57	46.88	41.67	40.00	37.50	34.09	31.25	-	-	-	-	-	-
108	60.00	60.00	59.88	53.09	46.88	41.67	40.00	37.50	34.09	31.25	-	-	-	-	-	-
114	60.00	60.00	59.26	52.43	46.88	41.67	40.00	37.50	34.09	-	-	-	-	-	-	-
120	60.00	60.00	58.70	51.84	46.78	41.67	40.00	37.50	-	-	-	-	-	-	-	-
126	60.00	60.00	58.22	51.32	46.23	41.67	40.00	37.50	-	-	-	-	-	-	-	-
132	60.00	60.00	57.78	50.86	45.74	41.67	40.00	-	-	-	-	-	-	-	-	-
139.5	60.00	60.00	57.29	50.35	45.20	41.25	40.00	-	-	-	-	-	-	-	-	-
144	60.00	60.00	57.03	50.07	44.91	40.94	-	-	-	-	-	-	-	-	-	-
150	60.00	60.00	56.70	49.73	44.55	-	-	-	-	-	-	-	-	-	-	-
156	60.00	60.00	56.41	49.42	44.23	-	-	-	-	-	-	-	-	-	-	-
162	60.00	60.00	56.14	49.14	43.93	-	-	-	-	-	-	-	-	-	-	-
168	60.00	60.00	55.89	48.88	-	-	-	-	-	-	-	-	-	-	-	-

GLASS LOAD CAPACITY - SSG (+/- PSF)										
D.L.O. HEIGHT (IN.)	D.L.O. WIDTH (IN.)									
	24	30	36	42	48	54	59.6875	66	72	78
72	60.00	60.00	60.00	55.30	49.74	44.21	40.00	36.17	33.16	33.16
78	60.00	60.00	59.41	53.61	49.51	44.21	40.00	36.17	33.16	-
84	60.00	60.00	58.17	52.23	47.99	44.21	40.00	36.17	-	-
90	60.00	60.00	57.13	51.10	46.74	43.53	40.00	-	-	-
96	60.00	60.00	56.25	50.14	45.70	42.39	40.00	-	-	-
102	60.00	60.00	55.50	49.33	44.82	41.44	-	-	-	-
108	60.00	60.00	54.84	48.63	44.07	-	-	-	-	-
114	60.00	60.00	54.27	48.02	43.42	-	-	-	-	-
120	60.00	60.00	53.77	47.48	-	-	-	-	-	-
126	60.00	60.00	53.32	47.01	-	-	-	-	-	-
132	60.00	60.00	52.92	46.58	-	-	-	-	-	-
138	60.00	60.00	52.56	-	-	-	-	-	-	-
144	60.00	60.00	52.23	-	-	-	-	-	-	-

- NOTES:
1.

CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' (a ≥ b, REFER TO DIAGRAM ON SECTION 6.0), AND CH. 17 OF THE FBC FOR SIZES OTHER THAN TESTED.
2.

DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS.

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WALKER, MICHIGAN 49544

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TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

GLAZING DETAILS

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B.D.

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REMARKS

BY

DATE

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HERMES F. NOBREGO

LICENSE

No 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NOBREGO, P.E.

FLORIDA P.E. No 73778

BUILDING DROPS, INC.

1900 NE MIAMI CT., STE. 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL47606

DATE:

06.12.25

DWG. BY:

MS

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

TLI029

SECTION

6.1

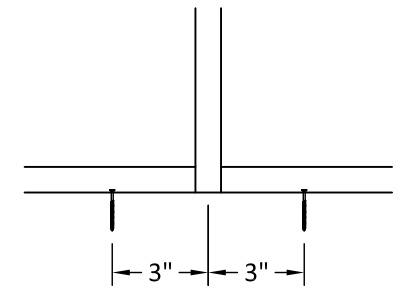
[PAGE 21 of 30]

ANCHOR DETAILS

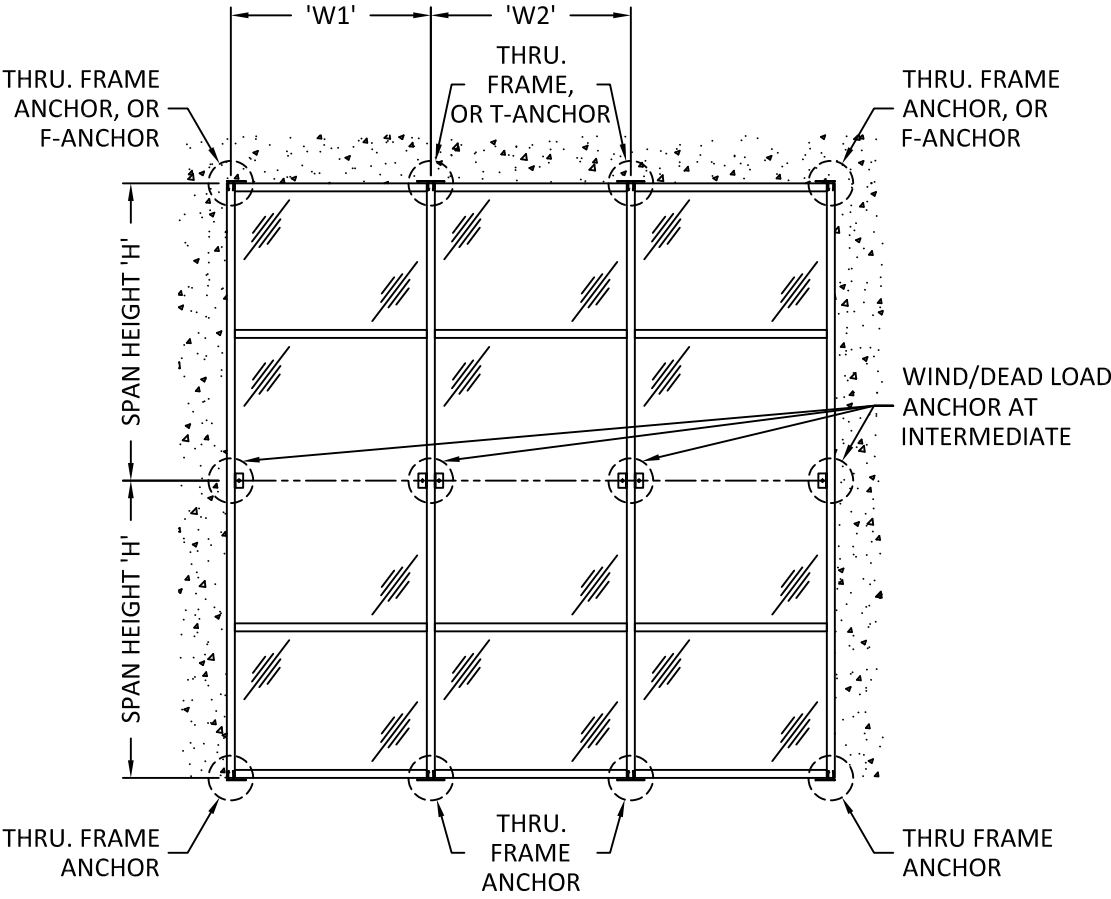
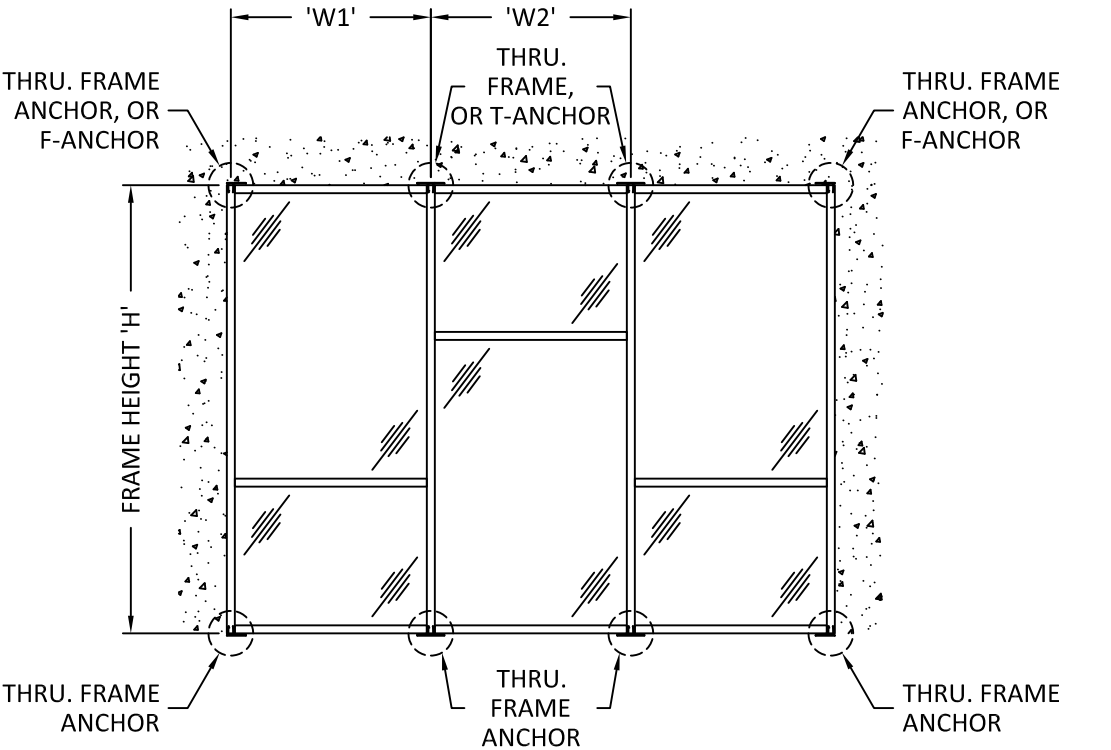
ANCHOR SCHEDULE					
TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
A	3/8"	LAG SCREW	2X WOOD, MIN. S.G. = 0.55	1-1/2"	1"
B	3/8"	GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	16 GA. (0.0598") MIN. STEEL STUD, Fy = 33 KSI, OR 1/8" MIN. 6063-T5 ALUMINUM	3 THREADS MIN. ENGAGEMENT	3/4"
C	5/16"	DEWALT ULTRA CON	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	1-3/4"	2-3/16"
D	3/8"	ITW LDT	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	2"	3-1/2"
E	1/2"	LAG SCREW	2X WOOD, MIN. S.G. = 0.55	2"	1-1/4"
F	1/2"	GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	14 GA. (0.0747") MIN. STEEL STUD, Fy = 33 KSI	3 THREADS MIN. ENGAGEMENT	3/4"
G	1/2"	HILTI KWIK BOLT 3	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	3-1/2"	4"
H	1/2"	DEWALT POWER-BOLT+	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	2-1/2"	3-1/2"

- NOTE:
- 1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 2. REFER TO ANCHOR LAYOUTS AT RIGHT FOR LOCATIONS AND DETERMINING MAX. SPAN HEIGHT (H) AND TRIBUTARY WIDTHS (W).
 - 3. FOR SITE CONDITIONS NOT SHOWN IN THE DETAILS HEREIN OR EDGE DISTANCE REQUIREMENTS TO BE MODIFIED, ANCHORS MAY BE ENGINEERED ON A SITE SPECIFIC BASIS.
 - 4. REFER TO SECTION 7 FOR ANCHOR CONFIGURATIONS, ANCHOR TYPES, AND CAPACITIES.
 - 5. REFER TO SECTION 8 FOR WIND/DEAD LOAD ANCHOR CONFIGURATIONS, TYPES, AND CAPACITIES.

MULLION SPACING OR BAY WIDTH, 'W', FOR ANCHORS AT JAMBS	W1
MULLION SPACING OR BAY WIDTH, 'W', FOR INTERMEDIATE ANCHORS	$\frac{W1 + W2}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR ANCHORS AT VERTICAL MULL WITH DOORS	$\frac{W1 + W2}{2}$



ANCHOR LOCATION



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TITLE:
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(NON-HVHZ) (NON-IMPACT)

ANCHOR DETAILS

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SCALE: **NTS**

DWG. #: **TLI029**

SECTION

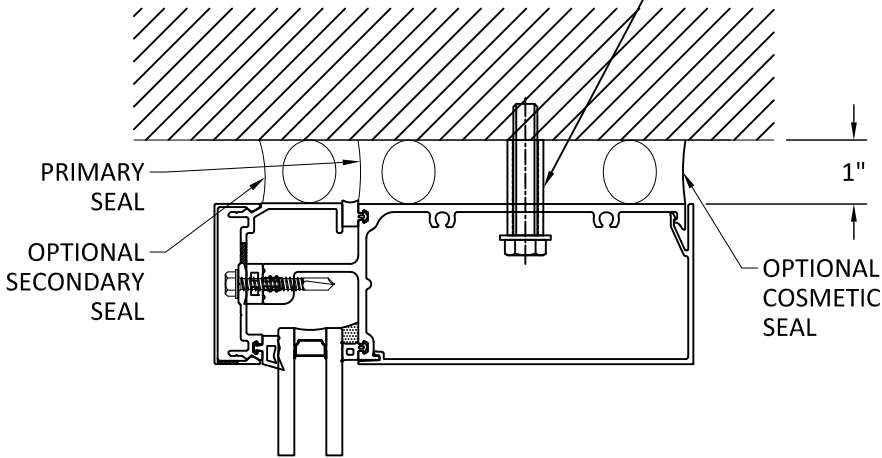
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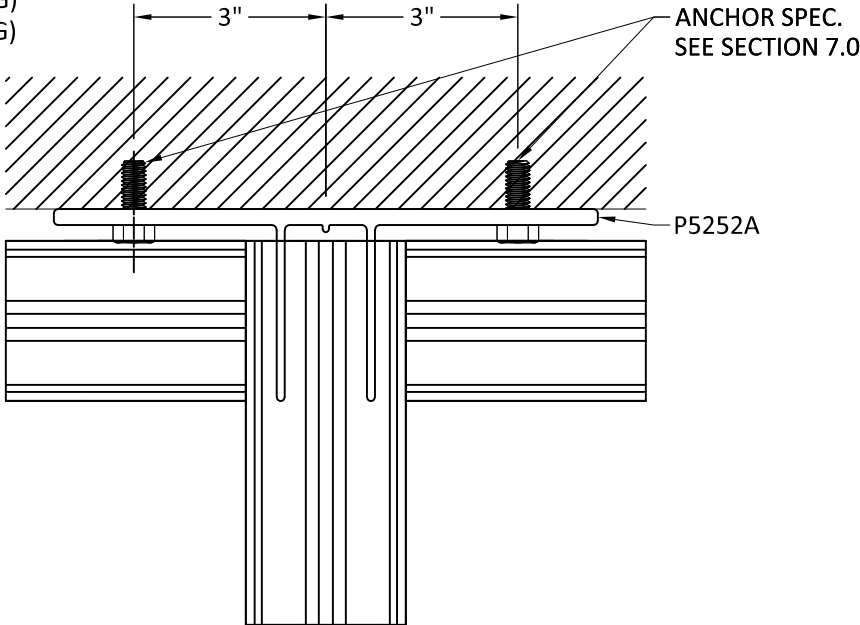
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ANCHOR DETAILS

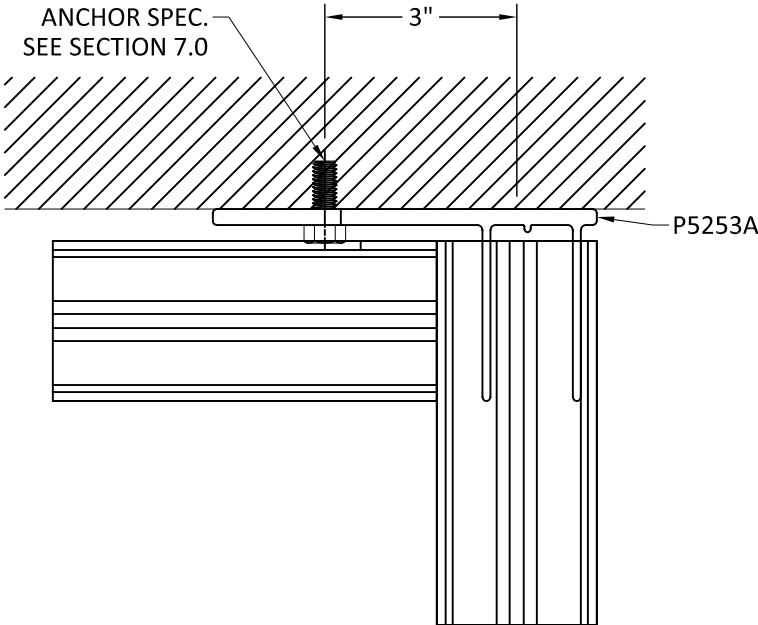
PIPE SLEEVE
P2028 (3/8" X 1.00" LONG)
P2028A (3/8" X 1 1/4" LONG)
P2029B (1/2" X 1 1/2" LONG)
P2029 (1/2" X 1.00" LONG)
P2029A (1/2" X 1 1/4" LONG)
P2029B (1/2" X 1 1/2" LONG)



1 HEAD INSTALLATION
7.1 400SS SG



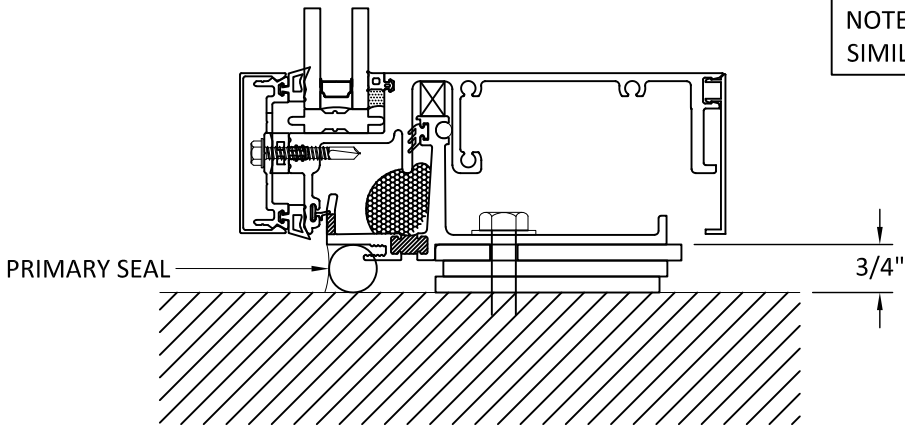
2 HEAD INSTALLATION
7.1 OPTIONAL T ANCHOR



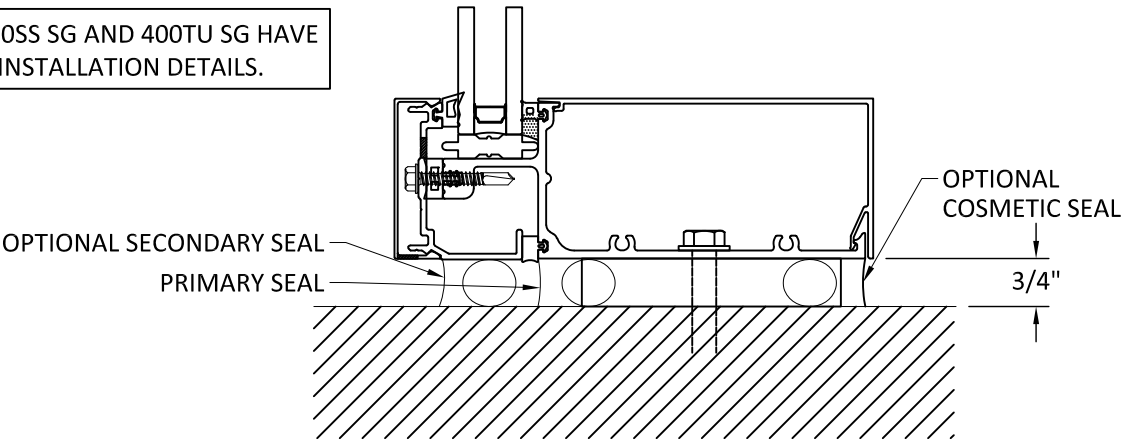
3 HEAD INSTALLATION
7.1 OPTIONAL F ANCHOR

400SS SG SHOWN, 400TU SG SIMILAR.
CAPTURED GLASS SHOWN, SSG SIMILAR.

NOTE: 400SS SG AND 400TU SG HAVE
SIMILAR INSTALLATION DETAILS.



4 SILL INSTALLATION
7.1 400SS SG



5 SILL INSTALLATION
7.1 400SS SG
PUNCHED OPENING

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DWG. #: **TLI029**

SECTION

7.1

[PAGE 23 of 30]

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ANCHOR CAPACITY

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)									
NOMINAL DIMS.		ANCHOR TYPE							
TRIBUTARY WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	A	B	C	D	E	F	G	H
42	72	41.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48		36.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
54		32.3	60.0	60.0	60.0	57.2	60.0	60.0	60.0
58.75		29.7	60.0	60.0	60.0	52.6	60.0	60.0	60.0
60		29.1	60.0	60.0	60.0	51.5	60.0	60.0	60.0
62		28.1	60.0	60.0	60.0	49.8	60.0	60.0	60.0
66		26.4	60.0	60.0	60.0	46.8	60.0	60.0	60.0
72		24.2	60.0	60.0	60.0	42.9	60.0	60.0	60.0
42	78	38.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48		33.5	60.0	60.0	60.0	59.4	60.0	60.0	60.0
54		29.8	60.0	60.0	60.0	52.8	60.0	60.0	60.0
58.75		27.4	60.0	60.0	60.0	48.5	60.0	60.0	60.0
60		26.8	60.0	60.0	60.0	47.5	60.0	60.0	60.0
62		26.0	60.0	60.0	60.0	46.0	60.0	60.0	60.0
66		24.4	60.0	60.0	60.0	43.2	60.0	60.0	60.0
72		22.3	60.0	60.0	60.0	39.6	60.0	60.0	60.0
42	84	35.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0
48		31.1	60.0	60.0	60.0	55.2	60.0	60.0	60.0
54		27.7	60.0	60.0	60.0	49.0	60.0	60.0	60.0
58.75		25.4	60.0	60.0	60.0	45.1	60.0	60.0	60.0
60		24.9	60.0	60.0	60.0	44.1	60.0	60.0	60.0
62		24.1	60.0	60.0	60.0	42.7	60.0	60.0	60.0
66		22.6	60.0	60.0	60.0	40.1	60.0	60.0	60.0
72		20.8	59.5	60.0	60.0	36.8	60.0	60.0	60.0
42	90	33.2	60.0	60.0	60.0	58.8	60.0	60.0	60.0
48		29.1	60.0	60.0	60.0	51.5	60.0	60.0	60.0
54		25.8	60.0	60.0	60.0	45.8	60.0	60.0	60.0
58.75		23.7	60.0	60.0	60.0	42.1	60.0	60.0	60.0
60		23.2	60.0	60.0	60.0	41.2	60.0	60.0	60.0
62		22.5	60.0	60.0	60.0	39.9	60.0	60.0	60.0
66		21.1	60.0	60.0	60.0	37.4	60.0	60.0	60.0
72		19.4	55.6	60.0	59.8	34.3	60.0	60.0	60.0
42	96	31.1	60.0	60.0	60.0	55.2	60.0	60.0	60.0
48		27.2	60.0	60.0	60.0	48.3	60.0	60.0	60.0
54		24.2	60.0	60.0	60.0	42.9	60.0	60.0	60.0
58.75		22.3	60.0	60.0	60.0	39.4	60.0	60.0	60.0
60		21.8	60.0	60.0	60.0	38.6	60.0	60.0	60.0
62		21.1	60.0	60.0	60.0	37.4	60.0	60.0	60.0
66		19.8	56.8	60.0	60.0	35.1	60.0	60.0	60.0
72		18.2	52.1	60.0	56.0	32.2	60.0	60.0	60.0

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)									
NOMINAL DIMS.		ANCHOR TYPE							
TRIBUTARY WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	A	B	C	D	E	F	G	H
42	102	29.3	60.0	60.0	60.0	51.9	60.0	60.0	60.0
48		25.6	60.0	60.0	60.0	45.4	60.0	60.0	60.0
54		22.8	60.0	60.0	60.0	40.4	60.0	60.0	60.0
58.75		20.9	60.0	60.0	60.0	37.1	60.0	60.0	60.0
60		20.5	58.8	60.0	60.0	36.3	60.0	60.0	60.0
62		19.8	56.9	60.0	60.0	35.2	60.0	60.0	60.0
66		18.6	53.5	60.0	57.5	33.0	60.0	60.0	60.0
72		17.1	49.0	56.9	52.7	30.3	60.0	60.0	60.0
42	108	27.7	60.0	60.0	60.0	49.0	60.0	60.0	60.0
48		24.2	60.0	60.0	60.0	42.9	60.0	60.0	60.0
54		21.5	60.0	60.0	60.0	38.1	60.0	60.0	60.0
58.75		19.8	56.7	60.0	60.0	35.1	60.0	60.0	60.0
60		19.4	55.6	60.0	59.8	34.3	60.0	60.0	60.0
62		18.7	53.8	60.0	57.8	33.2	60.0	60.0	60.0
66		17.6	50.5	58.6	54.3	31.2	60.0	60.0	60.0
72		16.1	46.3	53.7	49.8	28.6	60.0	60.0	60.0
42	114	26.2	60.0	60.0	60.0	46.5	60.0	60.0	60.0
48		22.9	60.0	60.0	60.0	40.6	60.0	60.0	60.0
54		20.4	58.5	60.0	60.0	36.1	60.0	60.0	60.0
58.75		18.7	53.8	60.0	57.8	33.2	60.0	60.0	60.0
60		18.4	52.6	60.0	56.6	32.5	60.0	60.0	60.0
62		17.8	50.9	59.1	54.8	31.5	60.0	60.0	60.0
66		16.7	47.8	55.5	51.5	29.6	60.0	60.0	60.0
72		15.3	43.9	50.9	47.2	27.1	60.0	60.0	58.3
42	120	24.9	60.0	60.0	60.0	44.1	60.0	60.0	60.0
48		21.8	60.0	60.0	60.0	38.6	60.0	60.0	60.0
54		19.4	55.6	60.0	59.8	34.3	60.0	60.0	60.0
58.75		17.8	51.1	59.2	54.9	31.5	60.0	60.0	60.0
60		17.4	50.0	58.0	53.8	30.9	60.0	60.0	60.0
62		16.9	48.4	56.1	52.1	29.9	60.0	60.0	60.0
66		15.8	45.5	52.7	48.9	28.1	60.0	60.0	60.0
72		14.5	41.7	48.3	44.8	25.7	60.0	60.0	55.4
42	126	23.7	60.0	60.0	60.0	42.0	60.0	60.0	60.0
48		20.8	59.5	60.0	60.0	36.8	60.0	60.0	60.0
54		18.4	52.9	60.0	56.9	32.7	60.0	60.0	60.0
58.75		17.0	48.6	56.4	52.3	30.0	60.0	60.0	60.0
60		16.6	47.6	55.2	51.2	29.4	60.0	60.0	60.0
62		16.1	46.1	53.5	49.6	28.5	60.0	60.0	60.0
66		15.1	43.3	50.2	46.6	26.7	60.0	60.0	57.6
72		-	-	-	-	-	-	-	-

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TUBELITE, INC.

3056 WALKER RIDGE DRIVE N.W.

WALKER, MICHIGAN 49544

PH: (800) 866-2227 FX: (616) 301-0008

TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-5478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT		

HERMES F. NOBREGA

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NOBREGA, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL47606

DATE: 06.12.25

DWG. BY: MS
CHK. BY: HFN

SCALE: NTS

DWG. #: TLI029

SECTION
7.2

[PAGE 24 of 30]

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ANCHOR CAPACITY

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)									
NOMINAL DIMS.		ANCHOR TYPE							
TRIBUTARY WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	A	B	C	D	E	F	G	H
42	132	22.6	60.0	60.0	60.0	40.1	60.0	60.0	60.0
48		19.8	56.8	60.0	60.0	35.1	60.0	60.0	60.0
54		17.6	50.5	58.6	54.3	31.2	60.0	60.0	60.0
58.75		16.2	46.4	53.8	49.9	28.7	60.0	60.0	60.0
60		15.8	45.5	52.7	48.9	28.1	60.0	60.0	60.0
62		15.3	44.0	51.0	47.3	27.2	60.0	60.0	58.5
66	138	14.4	41.3	47.9	44.5	25.5	60.0	60.0	55.0
42		21.7	60.0	60.0	60.0	38.4	60.0	60.0	60.0
48		18.9	54.3	60.0	58.5	33.6	60.0	60.0	60.0
54		16.8	48.3	56.0	52.0	29.8	60.0	60.0	60.0
58.75		15.5	44.4	51.5	47.8	27.4	60.0	60.0	59.1
60		15.2	43.5	50.4	46.8	26.9	60.0	60.0	57.8
62	144	14.7	42.1	48.8	45.3	26.0	60.0	60.0	56.0
66		-	-	-	-	-	-	-	-
42		20.8	59.5	60.0	60.0	36.8	60.0	60.0	60.0
48		18.2	52.1	60.0	56.0	32.2	60.0	60.0	60.0
54		16.1	46.3	53.7	49.8	28.6	60.0	60.0	60.0
58.75		14.8	42.6	49.4	45.8	26.3	60.0	60.0	56.6
60	150	14.5	41.7	48.3	44.8	25.7	60.0	60.0	55.4
62		14.1	40.3	46.8	43.4	24.9	60.0	60.0	53.6
66		-	-	-	-	-	-	-	-
42		19.9	57.1	60.0	60.0	35.3	60.0	60.0	60.0
48		17.4	50.0	58.0	53.8	30.9	60.0	60.0	60.0
54		15.5	44.4	51.6	47.8	27.5	60.0	60.0	59.1
58.75	156	14.2	40.9	47.4	44.0	25.2	60.0	60.0	54.3
60		-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-
42		19.2	54.9	60.0	59.1	33.9	60.0	60.0	60.0
48		16.8	48.1	55.8	51.7	29.7	60.0	60.0	60.0
54	162	14.9	42.7	49.6	46.0	26.4	60.0	60.0	56.8
58.75		-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-
42		18.4	52.9	60.0	56.9	32.7	60.0	60.0	60.0
48		16.1	46.3	53.7	49.8	28.6	60.0	60.0	60.0
54		14.3	41.2	47.7	44.3	25.4	60.0	60.0	54.7
58.75		-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT (-)									
NOMINAL DIMS.		ANCHOR TYPE							
TRIBUTARY WIDTH 'W' (in.)	SPAN HEIGHT 'H' (in.)	A	B	C	D	E	F	G	H
42	168	17.8	51.0	59.2	54.9	31.5	60.0	60.0	60.0
48		15.6	44.6	51.8	48.0	27.6	60.0	60.0	59.4
54		-	-	-	-	-	-	-	-
58.75		-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66	174	-	-	-	-	-	-	-	-
42		17.2	49.3	57.1	53.0	30.4	60.0	60.0	60.0
48		15.0	43.1	50.0	46.4	26.6	60.0	60.0	57.3
54		-	-	-	-	-	-	-	-
58.75		-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
62	180	-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-
42		16.6	47.6	55.2	51.2	29.4	60.0	60.0	60.0
48		14.5	41.7	48.3	44.8	25.7	60.0	60.0	55.4
54		-	-	-	-	-	-	-	-
58.75		-	-	-	-	-	-	-	-
60	186	-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-
42		16.1	46.1	53.5	49.6	28.5	60.0	60.0	60.0
48		14.1	40.3	46.8	43.4	24.9	60.0	60.0	53.6
54		-	-	-	-	-	-	-	-
58.75	192	-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-
42		15.6	44.6	51.8	48.0	27.6	60.0	60.0	59.4
48		-	-	-	-	-	-	-	-
54	198	-	-	-	-	-	-	-	-
58.75		-	-	-	-	-	-	-	-
60		-	-	-	-	-	-	-	-
62		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-
66		-	-	-	-	-	-	-	-

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WALKER, MICHIGAN 49544
PH: (800) 866-2227 FX: (616) 301-0008

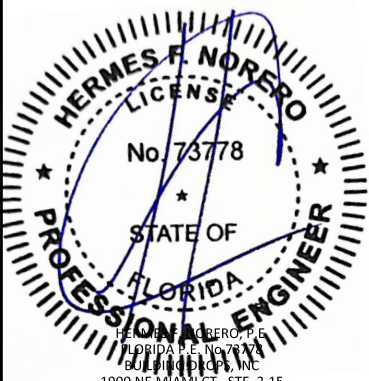
TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-9478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI CT., STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL47606

DATE: **06.12.25**

DWG. BY:
MS

CHK. BY:
HFN

SCALE: **NTS**

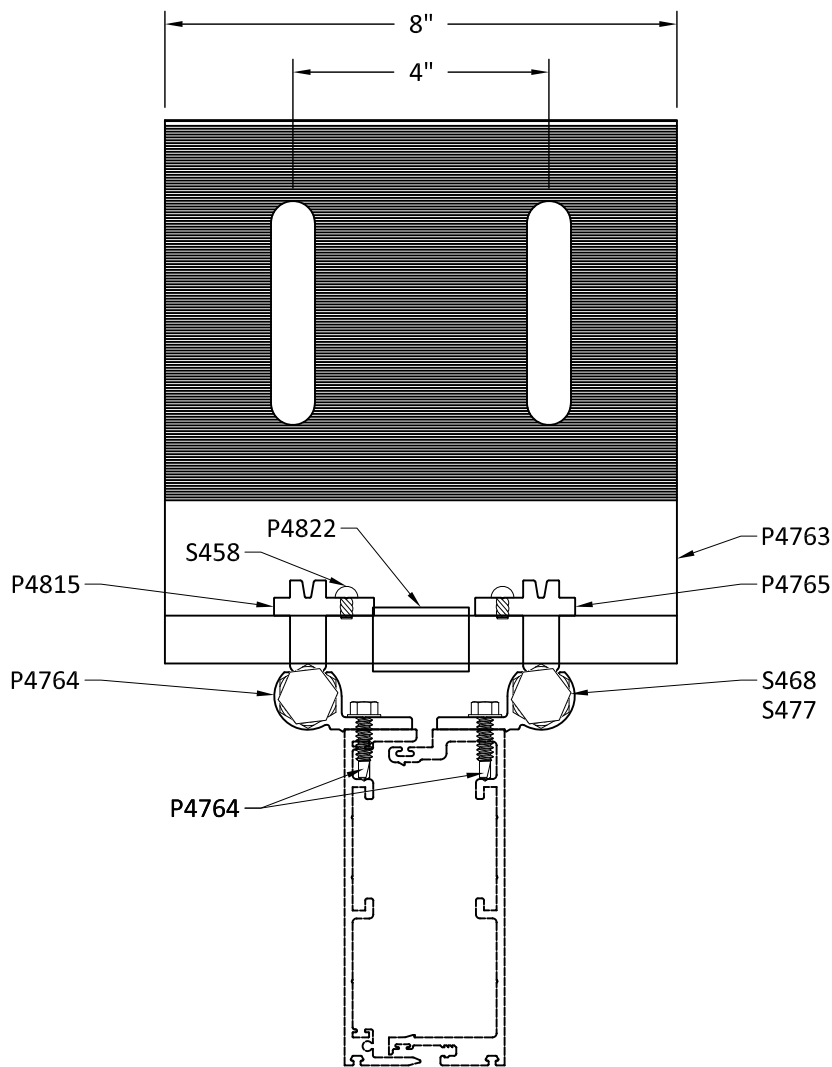
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WIND/DEAD LOAD ANCHOR



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VERTICAL SECTION
WIND/DEAD LOAD ANCHOR

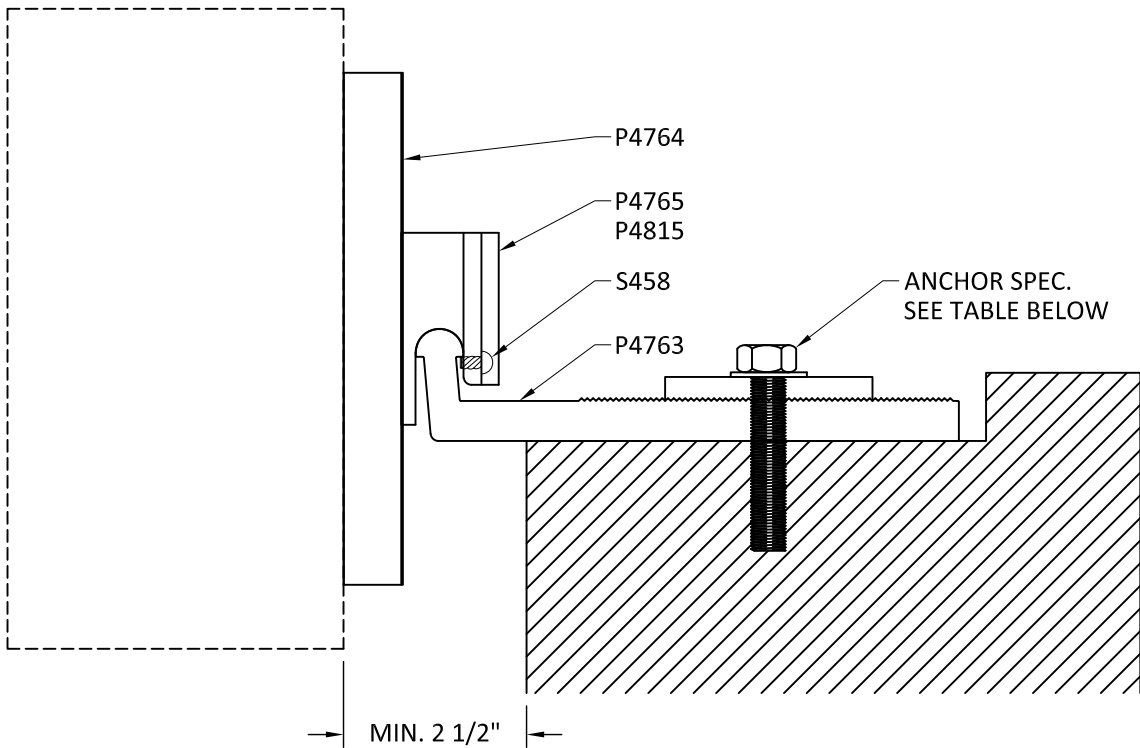
WIND /DEAD LOAD ANCHOR NOTES:

- WIND/DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL = +/- 2,480 LBS (UNFACTORED)DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - DL = 550 LBS (UNFACTORED)
 - DEAD LOAD SHALL BE DETERMINED BY ENGINEER OF RECORD.

NOTES:

- ALTERNATE WIND & DEAD LOAD ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS AND STEEL ANGLE DESIGN ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

THE WL/DL ANCHOR HAS BEEN VERIFIED FOR THE DESIGN PRESSURE IN SHEET 4.4



DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
1/2"	GRADE 5 BOLT	1/8" MIN. STEEL STUD, Fy = 33 KSI, OR 1/4" MIN. 6063-T5 ALUMINUM	3 THREADS MIN. ENGAGEMENT	3/4"
1/2"	HILTI KWIK BOLT 3	UNCRACKED CONCRETE, MIN. F'C = 4000 PSI	3-1/2"	4"

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3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: (800) 866-2227 FX: (616) 301-0008

TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

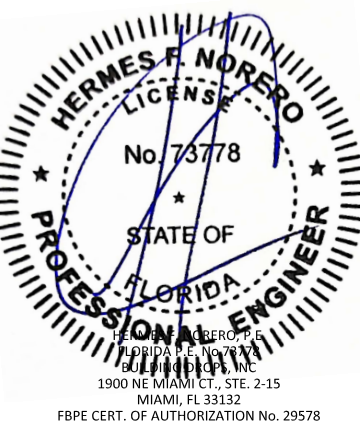
WIND/DEAD LOAD ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-9478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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FL #:
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SCALE: **NTS**

DWG. #: **TLI029**

SECTION

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[PAGE 26 of 30]

WIND/DEAD LOAD ANCHOR

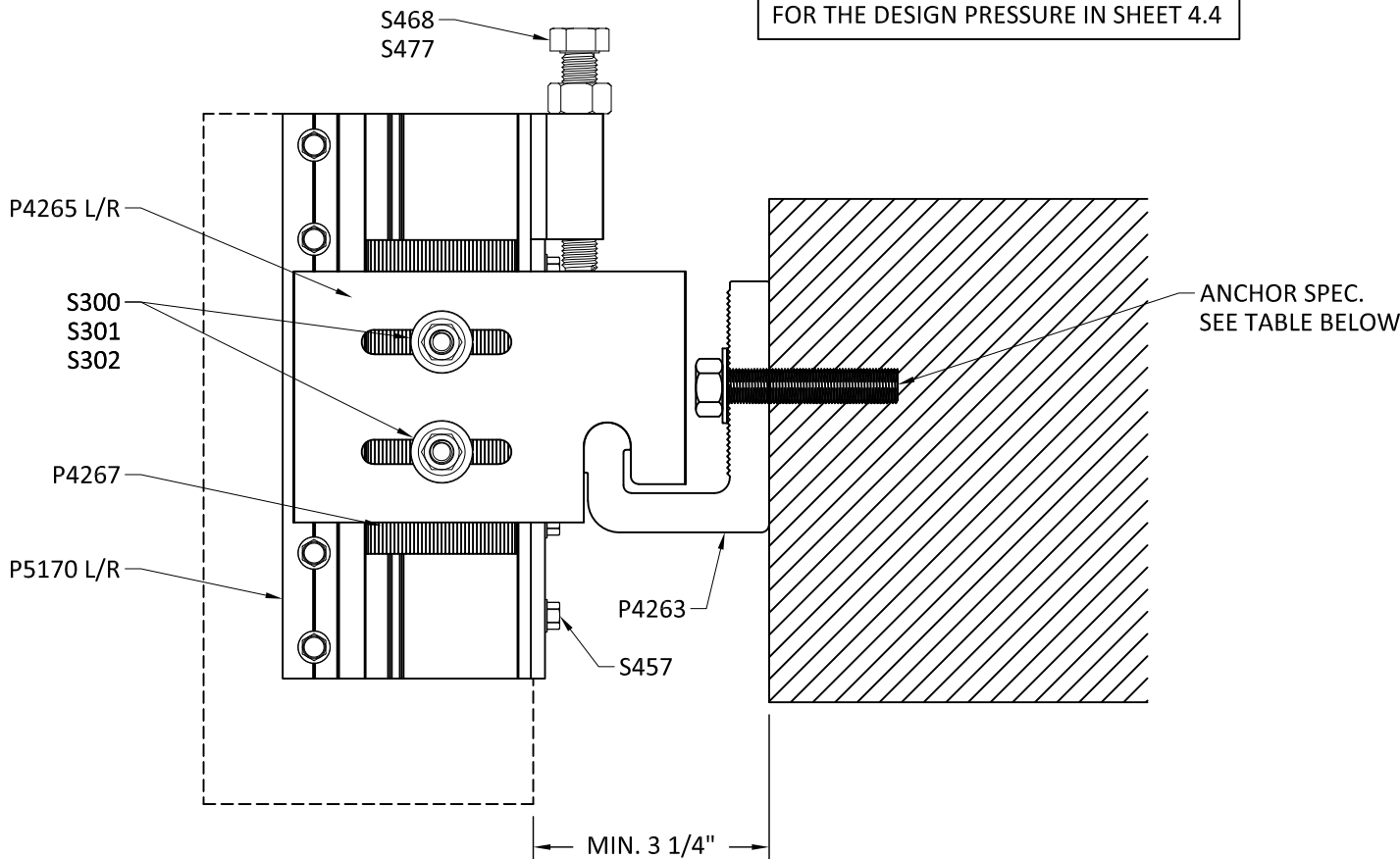
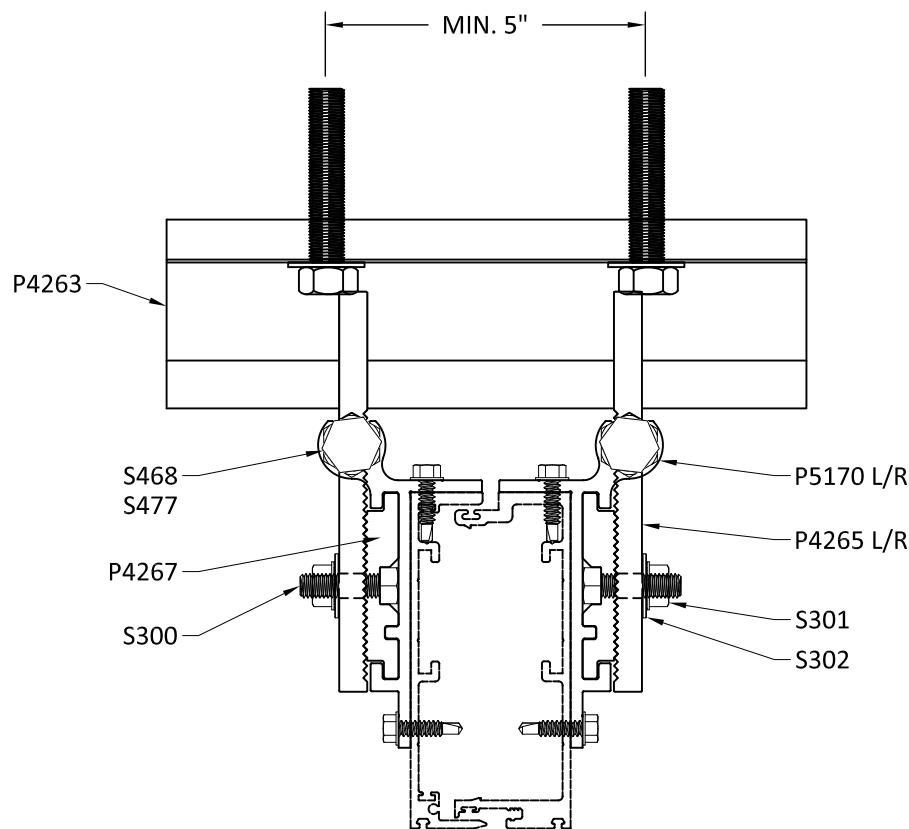
WIND /DEAD LOAD ANCHOR NOTES:

- WIND/DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL = +/- 2,480 LBS (UNFACTORED)
- DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - DL = 550 LBS (UNFACTORED)
 - DEAD LOAD SHALL BE DETERMINED BY ENGINEER OF RECORD.

NOTES:

- ALTERNATE WIND & DEAD LOAD ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS AND STEEL ANGLE DESIGN ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

THE WL/DL ANCHOR HAS BEEN VERIFIED FOR THE DESIGN PRESSURE IN SHEET 4.4



1
8.1

VERTICAL SECTION

WIND/DEAD LOAD ANCHOR

DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
1/2"	GRADE 5 BOLT	3/16" MIN. STEEL STUD, Fy = 33 KSI	3 THREADS MIN. ENGAGEMENT	3/4"
1/2"	HILTI KWIK BOLT 3	UNCRAKED CONCRETE, MIN. F'C = 4000 PSI	3-1/2"	3-1/2"

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TUBELITE, INC.
3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: (800) 866-2227 FX: (616) 301-0008

TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

WIND/DEAD LOAD ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132

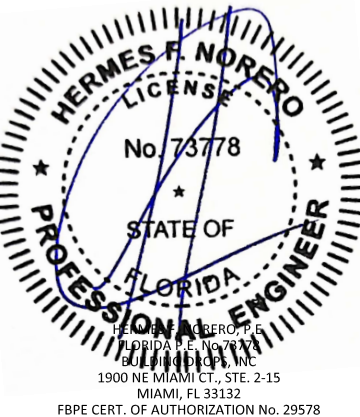
PH: (954) 399-5478
FAX: (954) 744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE

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A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION
TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A
LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE
SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT



FL #:
FL47606

DATE: **06.12.25**

DWG. BY:
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CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **TLI029**

SECTION

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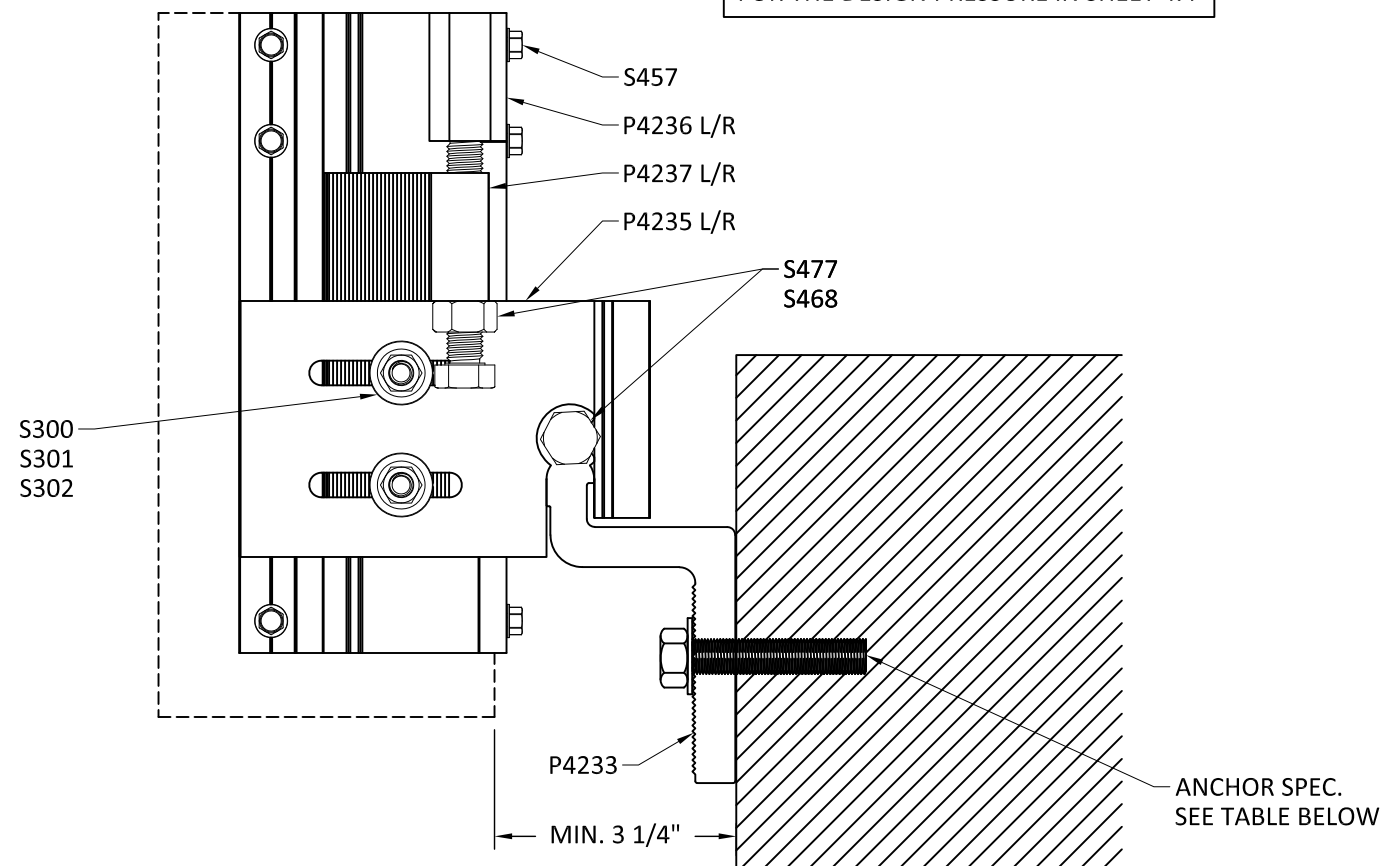
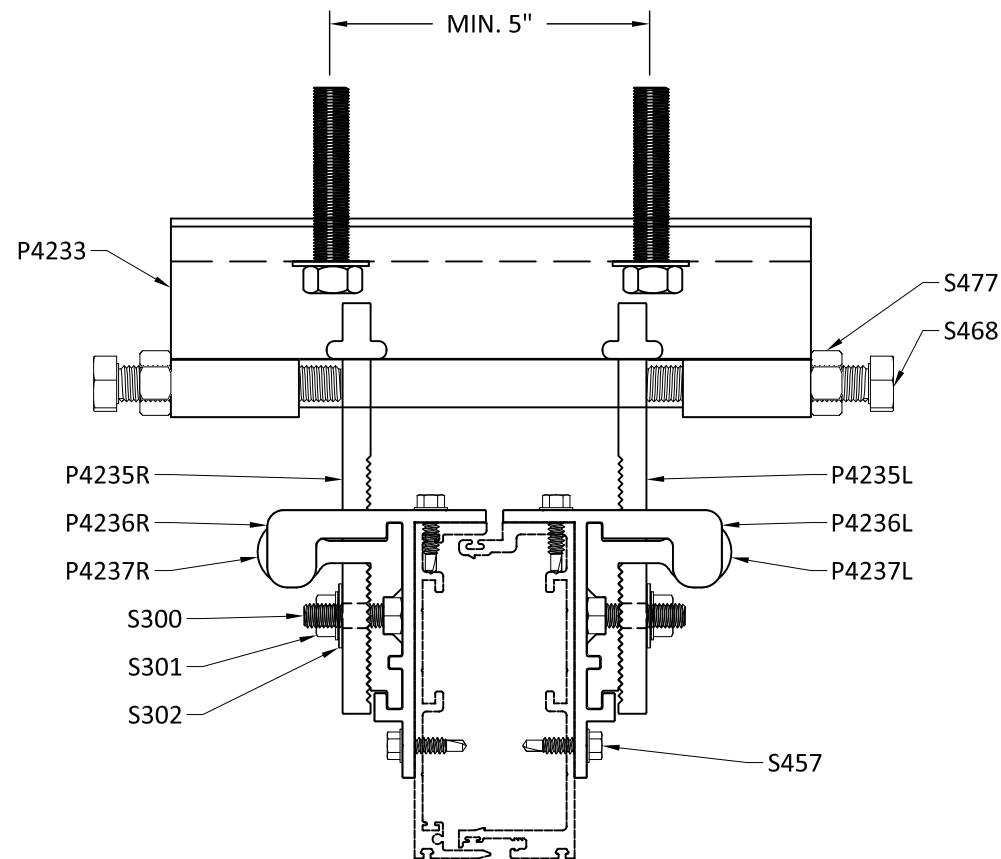
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WIND/DEAD LOAD ANCHOR

- WIND /DEAD LOAD ANCHOR NOTES:
- WIND/DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL = +/- 2,480 LBS (UNFACTORED)DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
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- NOTES:
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THE WL/DL ANCHOR HAS BEEN VERIFIED FOR THE DESIGN PRESSURE IN SHEET 4.4



1 8.2 VERTICAL SECTION WIND/DEAD LOAD ANCHOR

DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
1/2"	GRADE 5 BOLT	3/16" MIN. STEEL STUD, Fy = 33 KSI	3 THREADS MIN. ENGAGEMENT	3/4"
1/2"	HILTI KWIK BOLT 3	UNCRAKED CONCRETE, MIN. F'C = 4000 PSI	3-1/2"	5-3/4"

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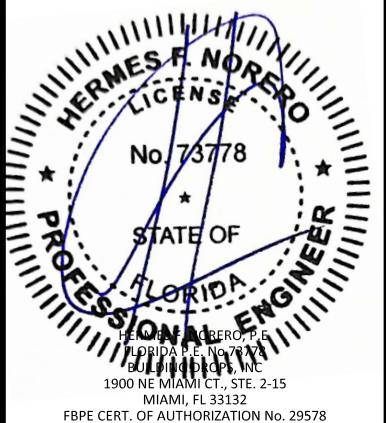
TUBELITE, INC.
3056 WALKER RIDGE DRIVE N.W.
WALKER, MICHIGAN 49544
PH: (800) 866-2227 FX: (616) 301-0008

TITLE:
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WIND/DEAD LOAD ANCHOR DETAILS

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FL #:
FL47606

DATE: **06.12.25**

DWG. BY: **MS** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **TLI029**

SECTION

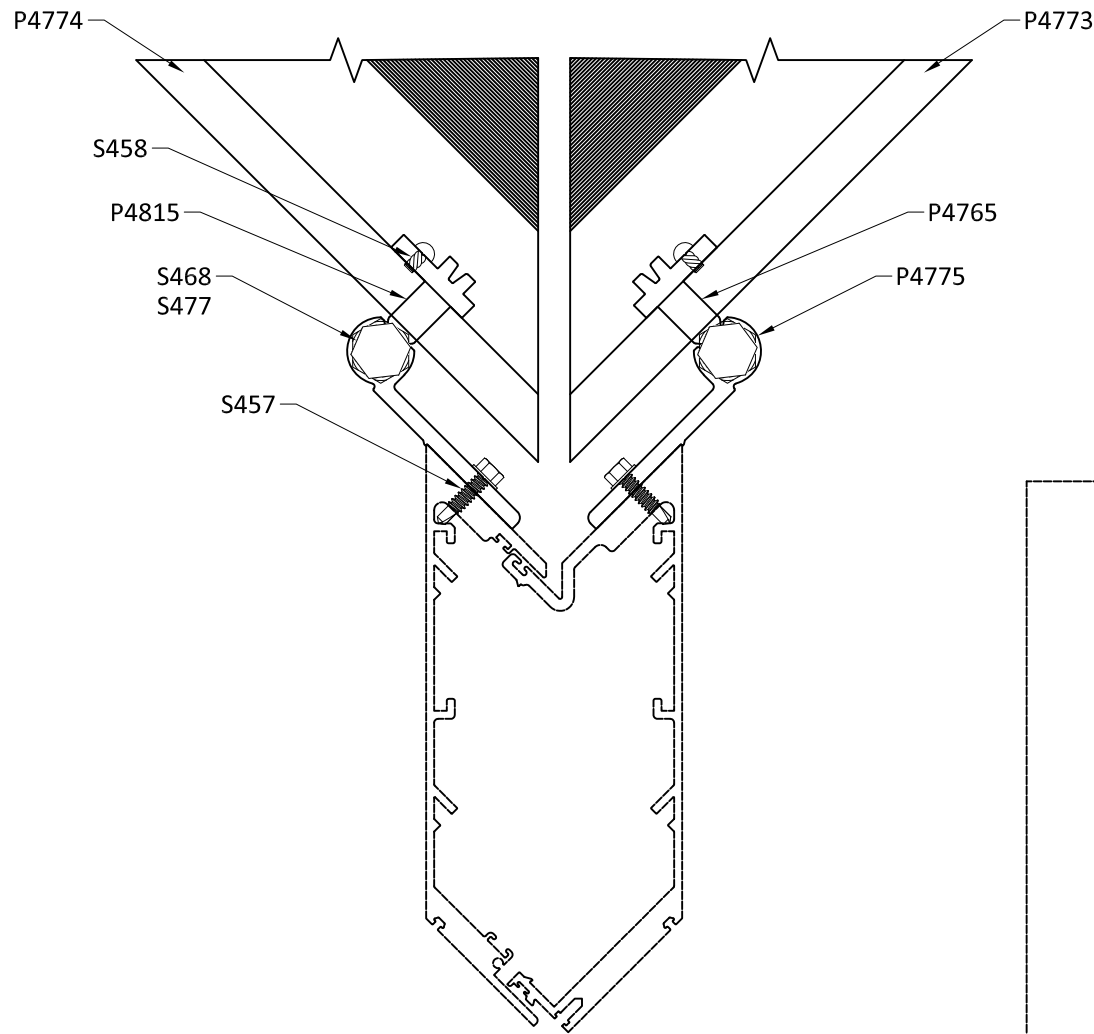
8.2

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WIND/DEAD LOAD ANCHOR

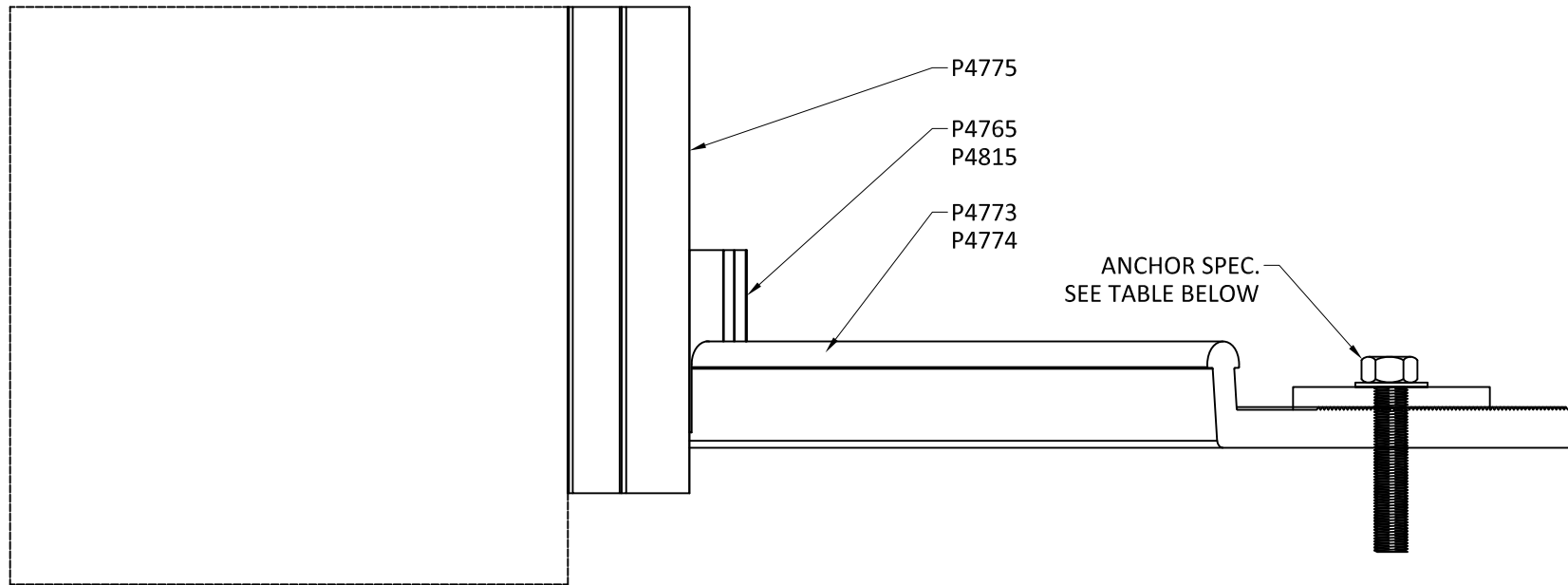


1
8.3 WIND/DEAD LOAD ANCHOR
OUTSIDE CORNER

WIND /DEAD LOAD ANCHOR NOTES:
1. WIND/DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
• WL = +/- 2,350 LBS (UNFACTORED)
DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
• DL = 550 LBS (UNFACTORED)
• DEAD LOAD SHALL BE DETERMINED BY ENGINEER OF RECORD.

NOTES:
1. ALTERNATE WIND & DEAD LOAD ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS AND STEEL ANGLE DESIGN ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

THE WL/DL ANCHOR HAS BEEN VERIFIED FOR THE DESIGN PRESSURE IN SHEET 4.7



DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
1/2"	GRADE 5 BOLT	1/8" MIN. STEEL STUD, Fy = 33 KSI, OR 1/4" MIN. 6063-T5 ALUMINUM	3 THREADS MIN. ENGAGEMENT	3/4"
1/2"	HILTI KWIK BOLT 3	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	3-1/2"	4"

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WALKER, MICHIGAN 49544
PH: (800) 866-2227 FX: (616) 301-0008

TITLE:
SERIES 400SS/TU SG CURTAIN WALL
(NON-HVHZ) (NON-IMPACT)

WIND/DEAD LOAD ANCHOR DETAILS

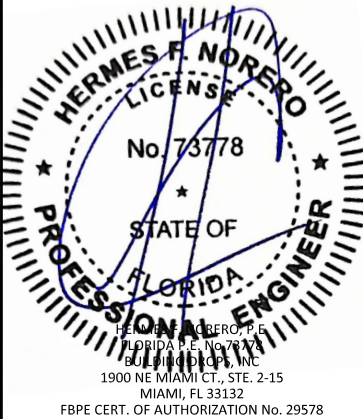
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, SUITE 2-15
MIAMI, FL 33132

PH: (954) 399-9478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT



FL #:
FL47606

DATE: **06.12.25**

DWG. BY:
MS

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **TLI029**

SECTION

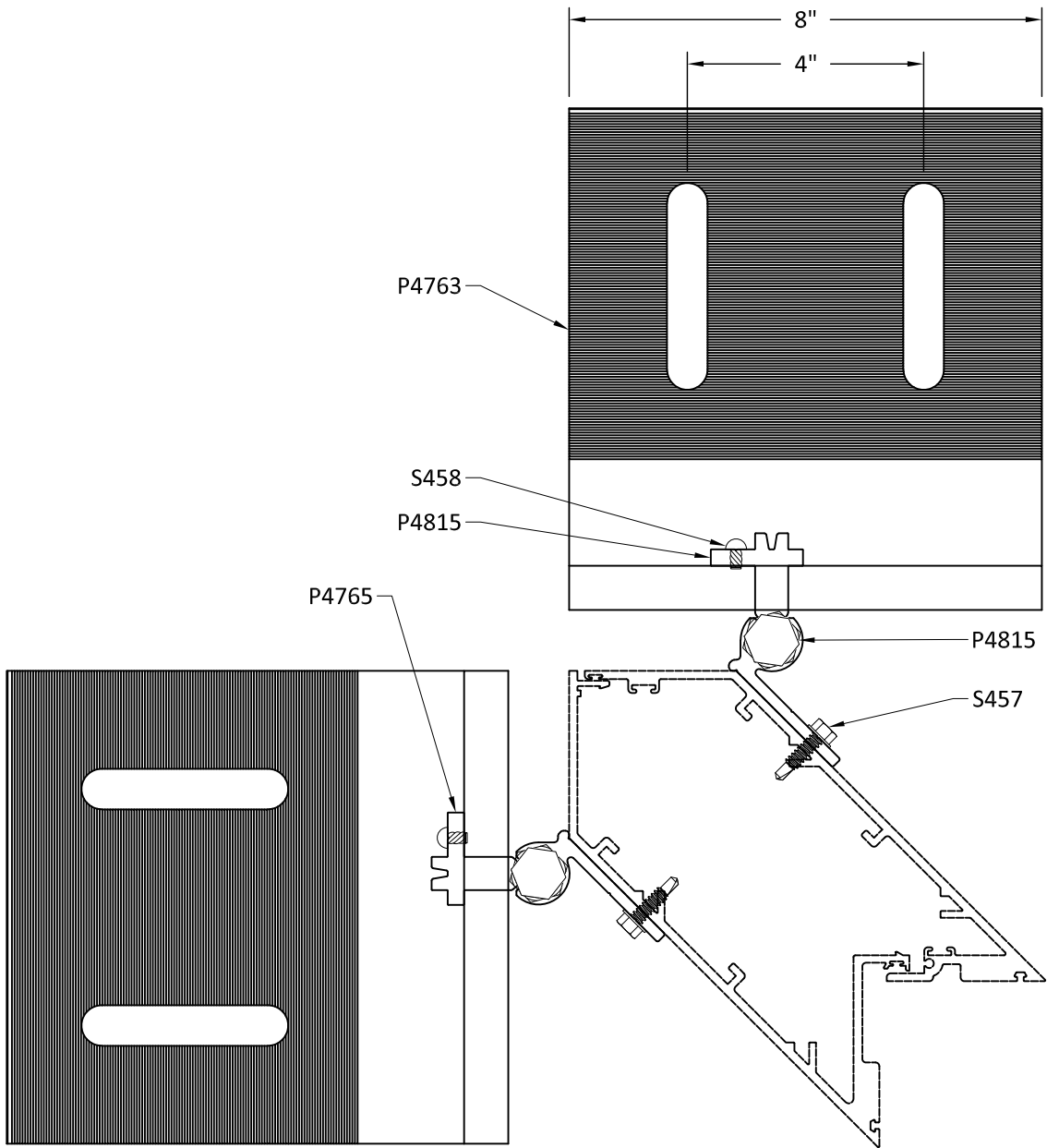
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WIND/DEAD LOAD ANCHOR



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8.4

VERTICAL SECTION

WIND/DEAD LOAD ANCHOR
INSIDE CORNER

WIND /DEAD LOAD ANCHOR NOTES:

- WIND/DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - WL = +/- 2,350 LBS (UNFACTORED)DEAD LOAD ANCHORS HAVE BEEN EVALUATED TO THE FOLLOWING:
 - DL = 550 LBS (UNFACTORED)
 - DEAD LOAD SHALL BE DETERMINED BY ENGINEER OF RECORD.

NOTES:

- ALTERNATE WIND & DEAD LOAD ANCHORS MAY BE DESIGNED FOR ALTERNATE SITE CONDITIONS AND STEEL ANGLE DESIGN ON A JOB TO JOB BASIS FOR THE APPLICABLE WIND LOADS AS DETERMINED IN ACCORDANCE WITH CH. 16 OF THE FLORIDA BLDG. CODE BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

THE WL/DL ANCHOR HAS BEEN VERIFIED
FOR THE DESIGN PRESSURE IN SHEET 4.7

DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
1/2"	GRADE 5 BOLT	1/8" MIN. STEEL STUD, Fy = 33 KSI, OR 1/4" MIN. 6063-T5 ALUMINUM	3 THREADS MIN. ENGAGEMENT	3/4"
1/2"	HILTI KWIK BOLT 3	UNCRACKED CONCRETE, MIN. F'C = 3000 PSI	3-1/2"	4"

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WIND/DEAD LOAD ANCHOR DETAILS

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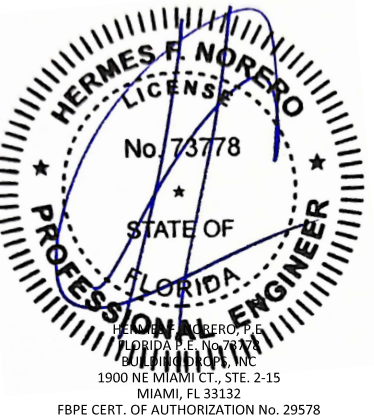
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FL #:

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DWG. BY:
MS

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **TLI029**

SECTION

8.4

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