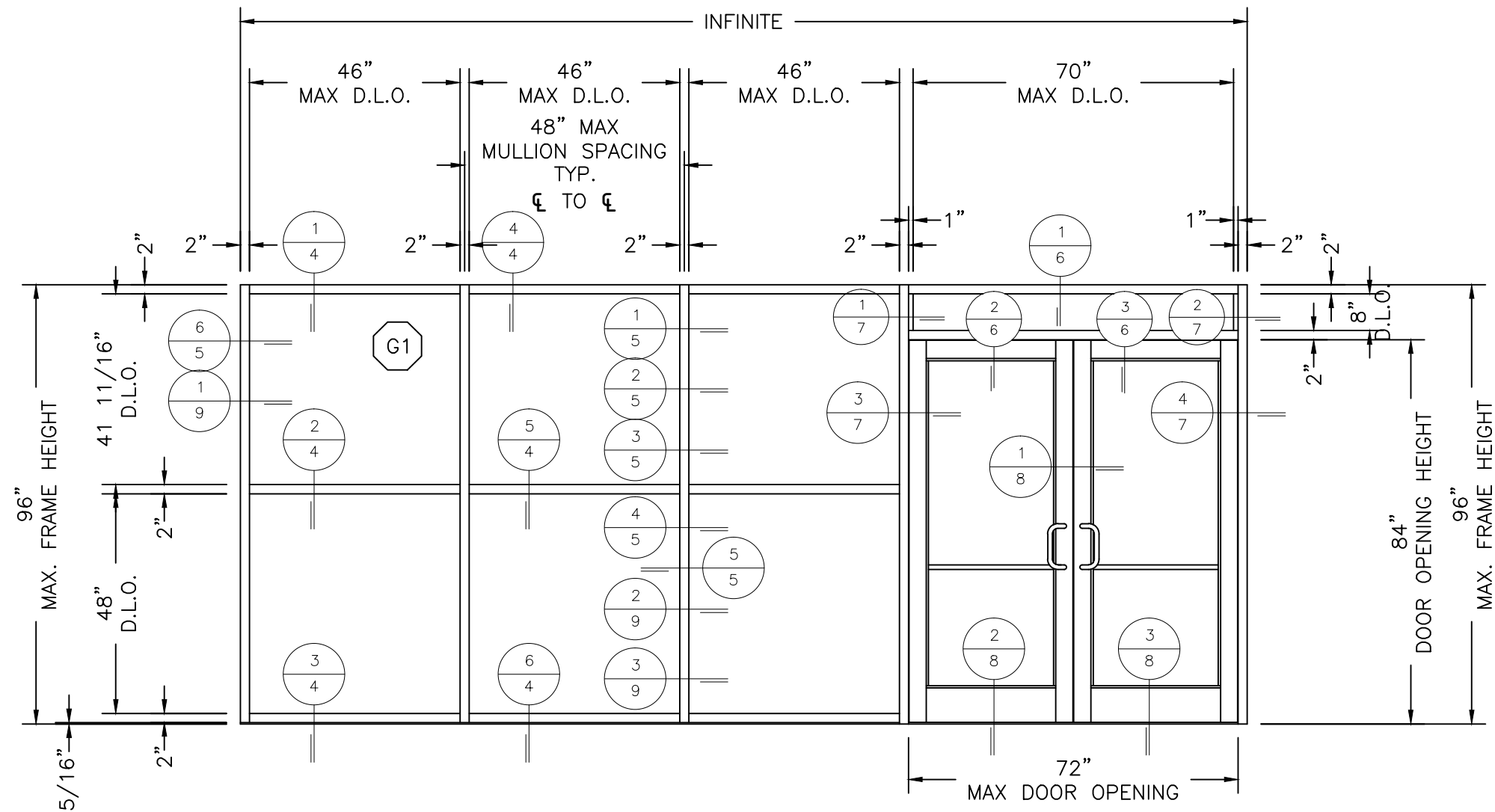




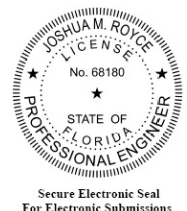
TYPICAL ELEVATION

NOTES:

1. SEE SHEET 3 FOR MULLION TYPES, HEIGHTS AND WIDTHS, AND WIND PRESSURES.
2. SEE SHEETS 14, 15, 16, AND 17 FOR PERIMETER FASTENER SCHEDULE AND LOCATIONS FOR ELEVATIONS WITH DOORS.
3. D.L.O. = DAYLIGHT OPENING; D.O. = DOOR OPENING
4. DOORS ARE SHOWN ON SEPARATE SUBMITTAL: SEE NS213, MS380 & WS500 DOOR PRODUCT APPROVALS.
LESSER PRESSURE OF DOOR AND STOREFRONT SYSTEM SHALL PREVAIL.

TEST PARAMETERS:

1. DESIGN PRESSURE = +/-40 PSF
2. AIR TEST AT 6.24 PSF
3. WATER TEST AT 15 PSF
4. MAXIMUM DEFLECTION = L/175 OR 0.549"



Secure Electronic Seal
For Electronic Submissions



FLORIDA PRODUCT APPROVAL
DRAWINGS FOR FS400T

IFRAMING ELEVATION

PROJECT NO.
FS400T

DRAWN
DEG

DATE
3/31/20

CHECKED
WS

APPROVED
EAB

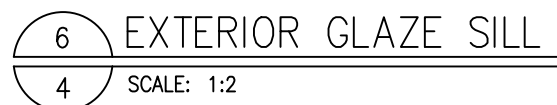
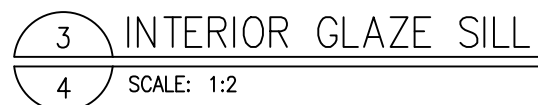
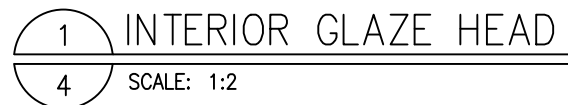
SHEET

2 OF 17

DESCRIPTION

DATE

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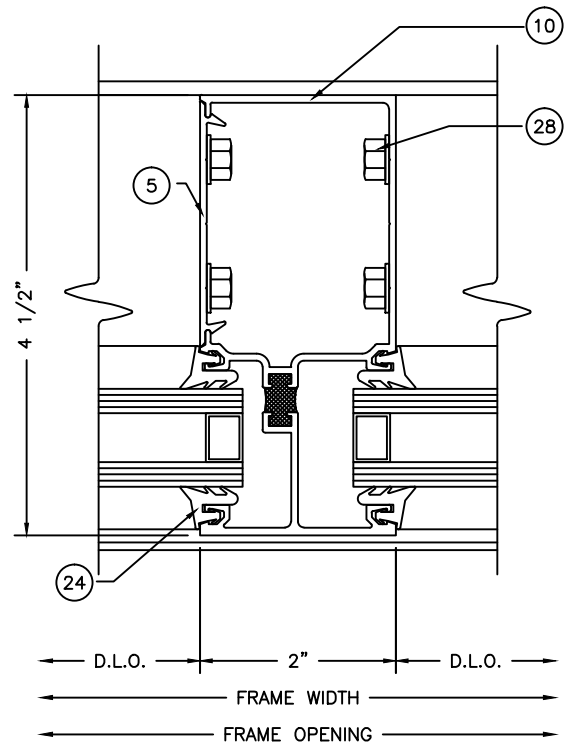
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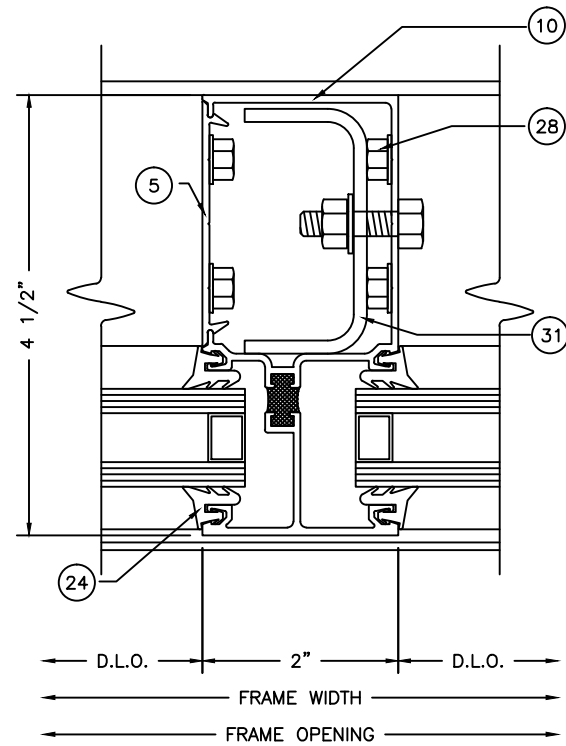
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PHONE: 800-772-1737 FAX: 800-285-7320

STANDARD FRAMING DETAILS

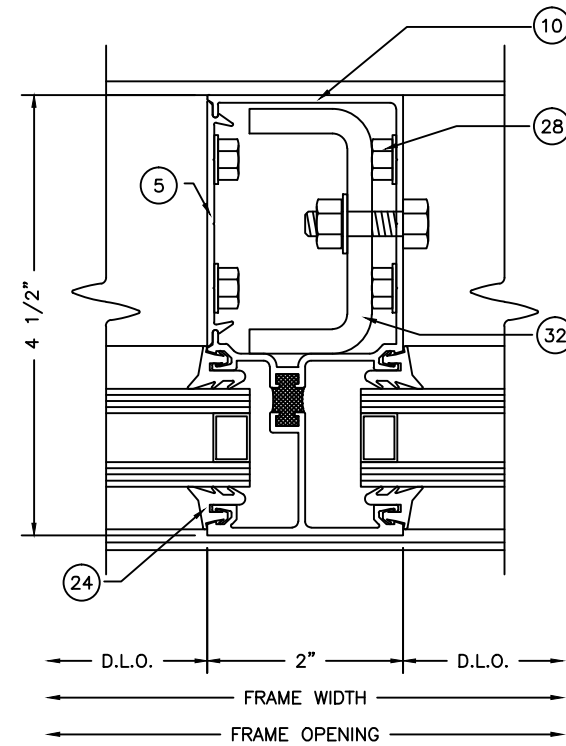
4 OF 17



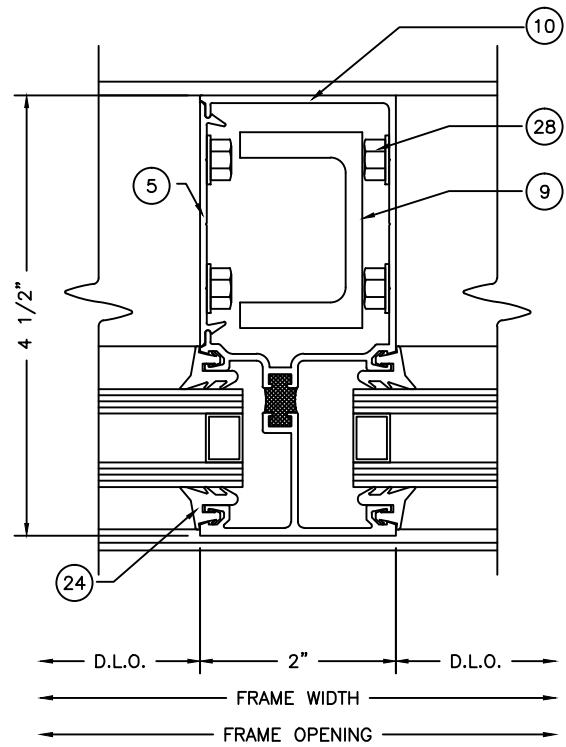
1 VERTICAL
5 SCALE: 1:2



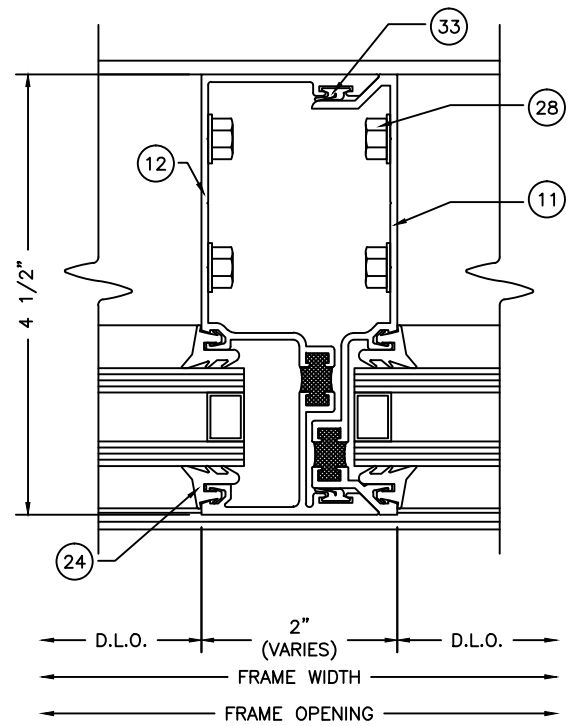
2 VERTICAL WITH STEEL
5 SCALE: 1:2



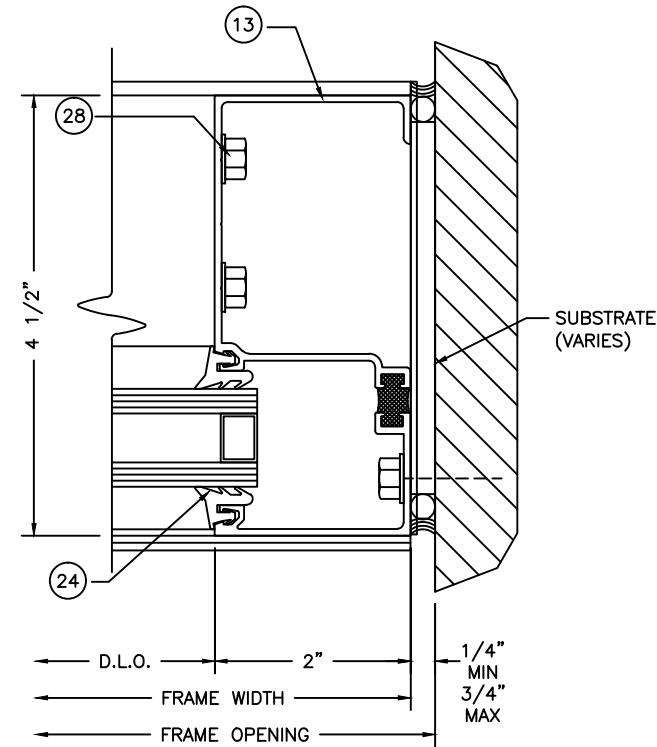
3 VERTICAL WITH HEAVY STEEL
5 SCALE: 1:2



4 VERTICAL WITH ALUMINUM
5 SCALE: 1:2



5 EXPANSION VERTICAL
5 SCALE: 1:2



6 JAMB
5 SCALE: 1:2

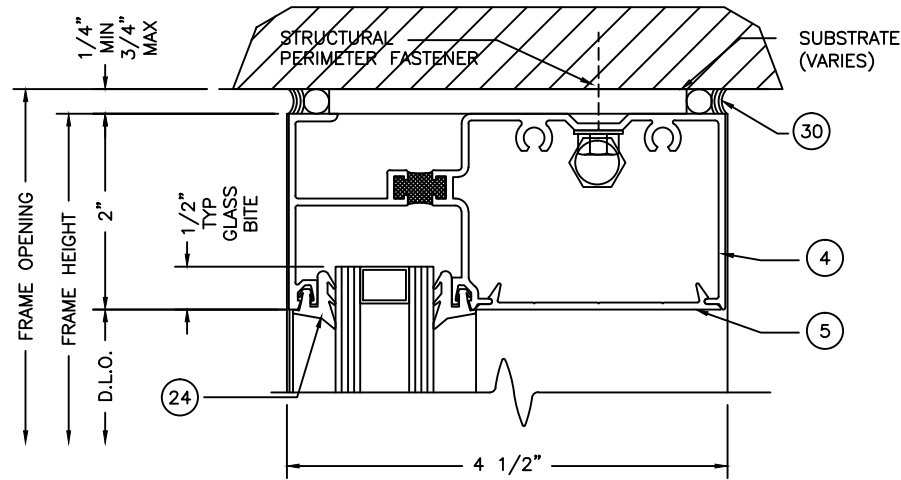


Joshua M. Royce
Professional Engineer

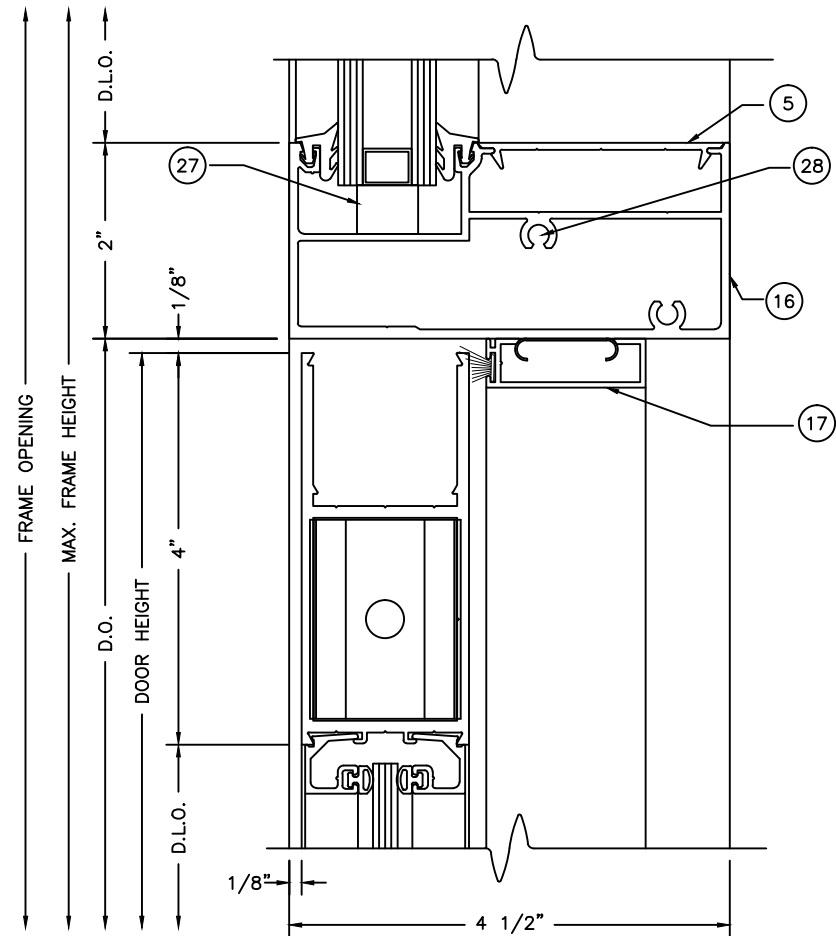


FLORIDA PRODUCT APPROVAL
DRAWINGS FOR FS400T
STANDARD FRAMING DETAILS

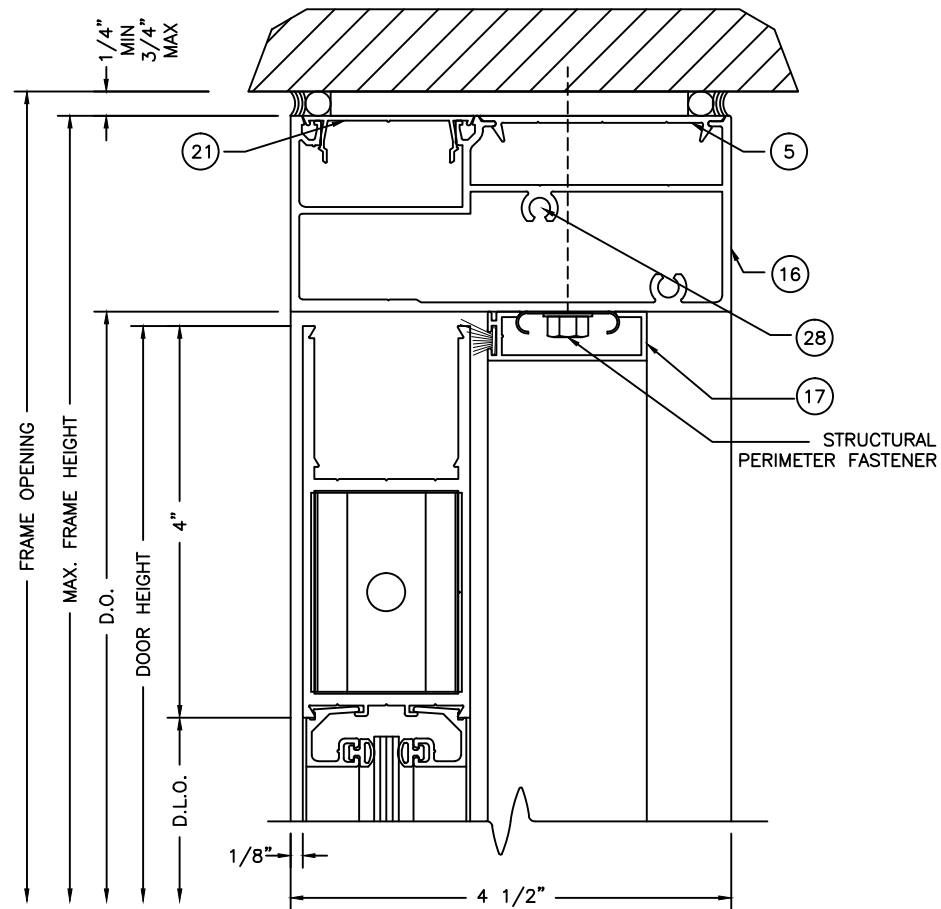
PROJECT NO. FS400T	DATE 3/31/20
DRAWN DEG	CHECKED WS
APPROVED EAB	



1 TRANSOM HEAD
6 SCALE: 1:2



2 DOOR TRANSOM HEAD
6 SCALE: 1:2



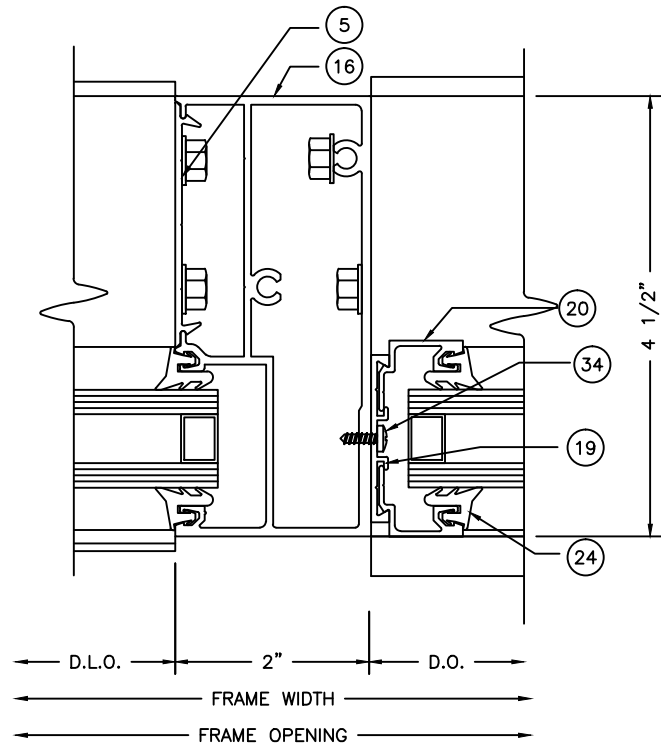
3 DOOR HEAD
6 SCALE: 1:2



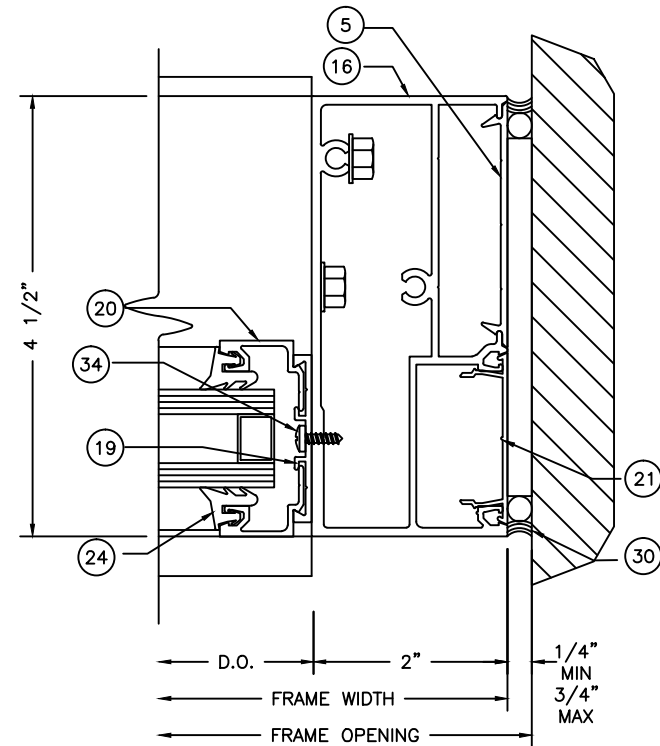
FLORIDA PRODUCT APPROVAL
DRAWINGS FOR FS400T

DOOR FRAMING DETAILS

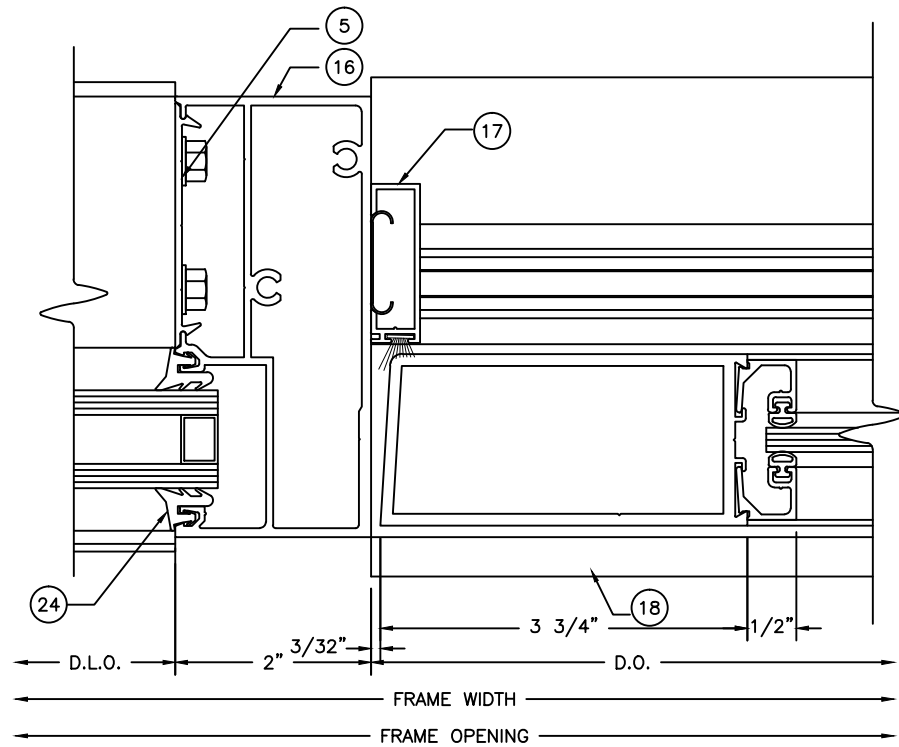
PROJECT NO. FS400T	DATE 3/31/20
DRAWN DEG	CHECKED WS
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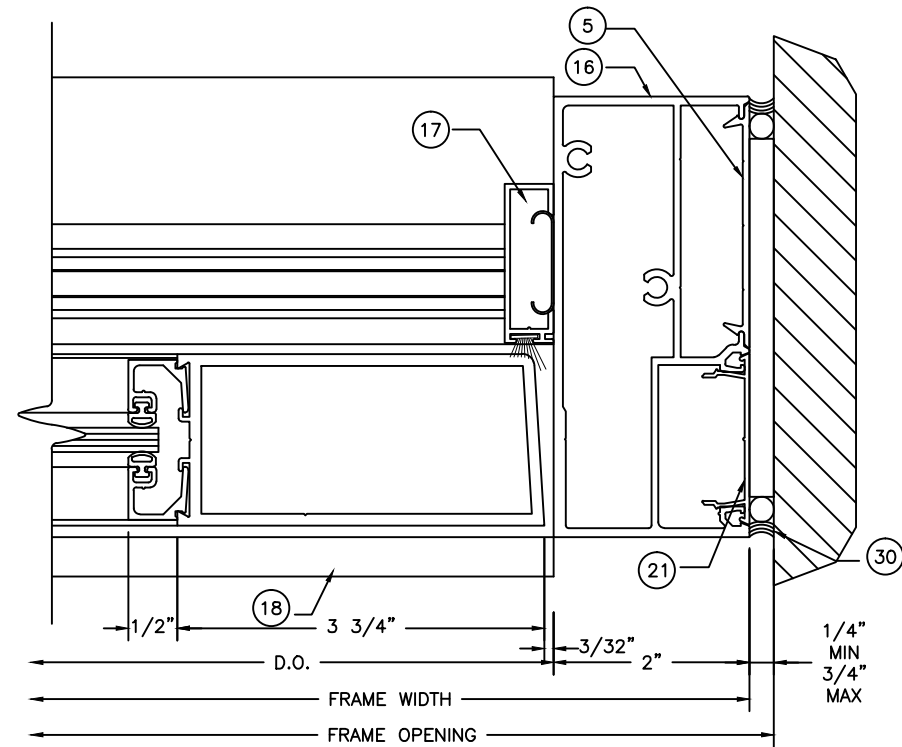
1 SIDELITE TRANSOM SASH
7 SCALE: 1:2



2 JAMB TRANSOM SASH
7 SCALE: 1:2



3 DOOR SIDELITE
7 SCALE: 1:2



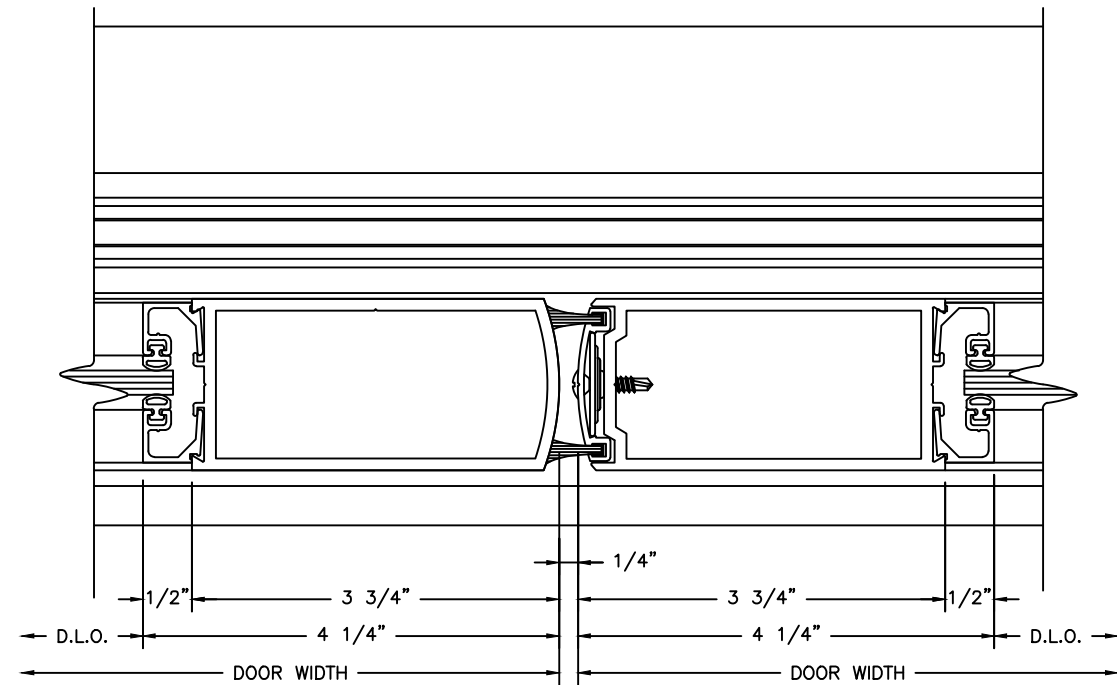
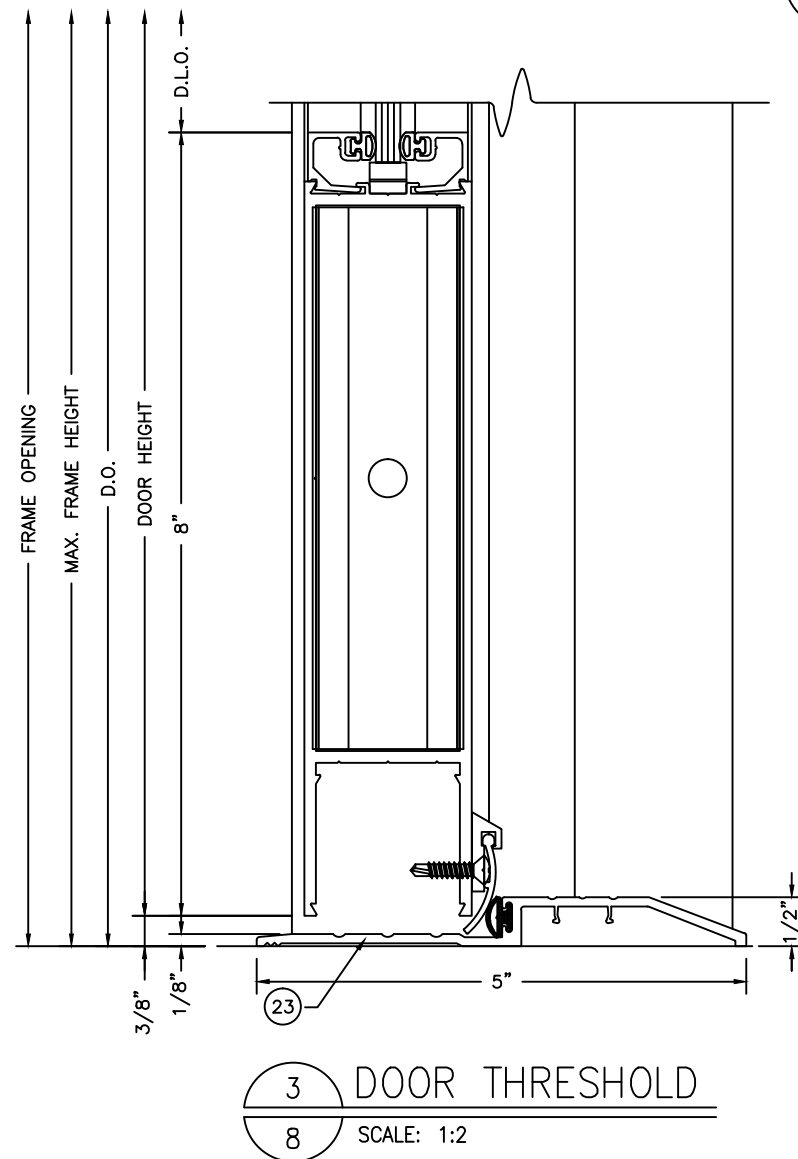
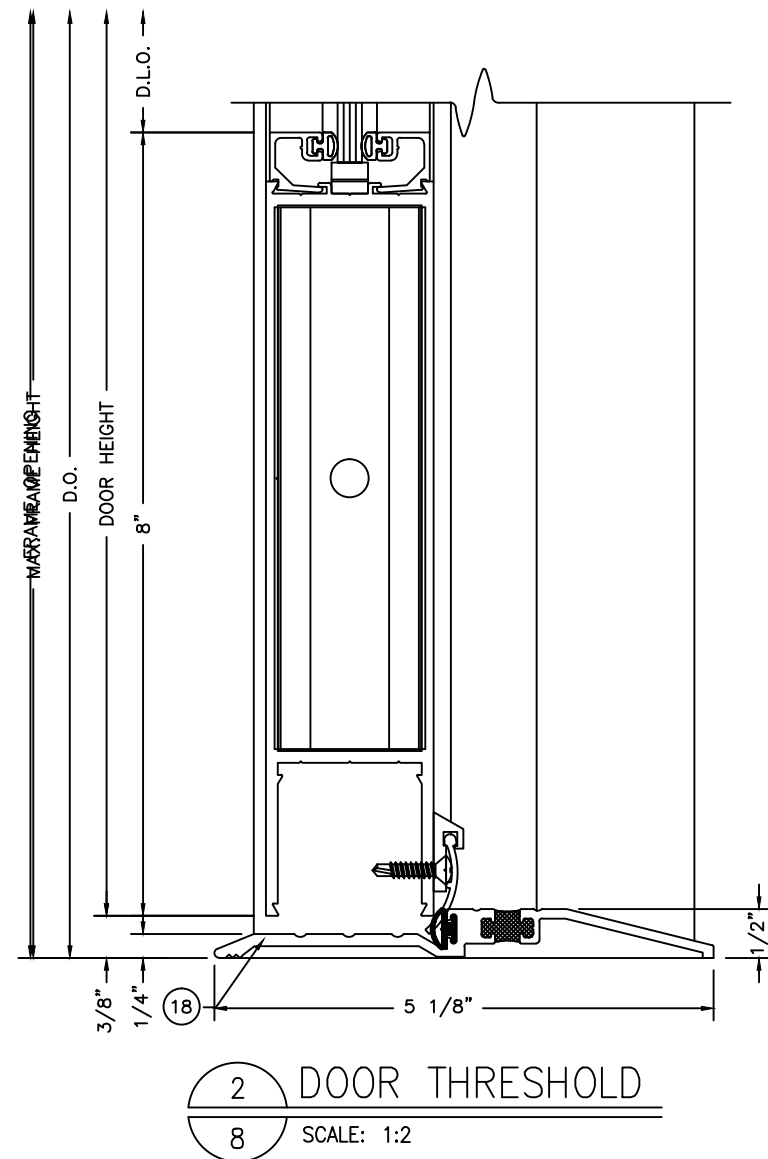
4 DOOR JAMB
7 SCALE: 1:2



FLORIDA PRODUCT APPROVAL
DRAWINGS FOR FS400T
DOOR FRAMING DETAILS



PROJECT NO. FS400T	
DRAWN DEG	DATE 3/31/20
CHECKED WS	APPROVED EAB
SHEET 7 OF 17	



FLORIDA PRODUCT APPROVAL DRAWINGS FOR FS400T

DOOR FRAMING DETAILS

PROJECT NO.
FS400T

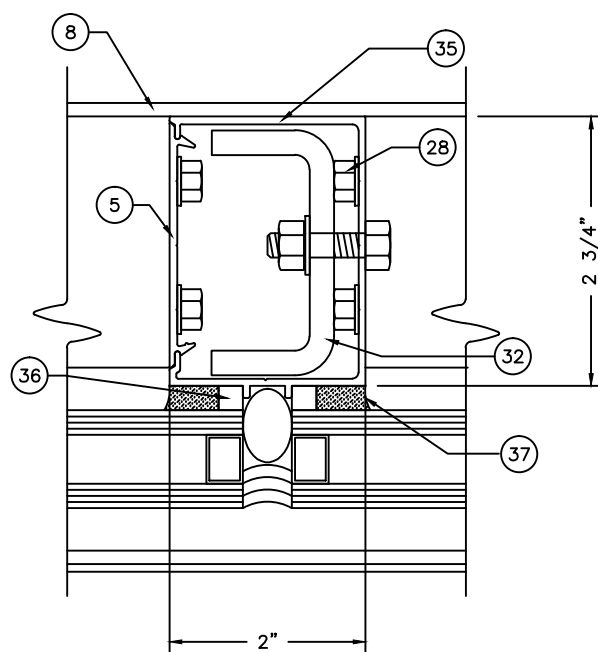
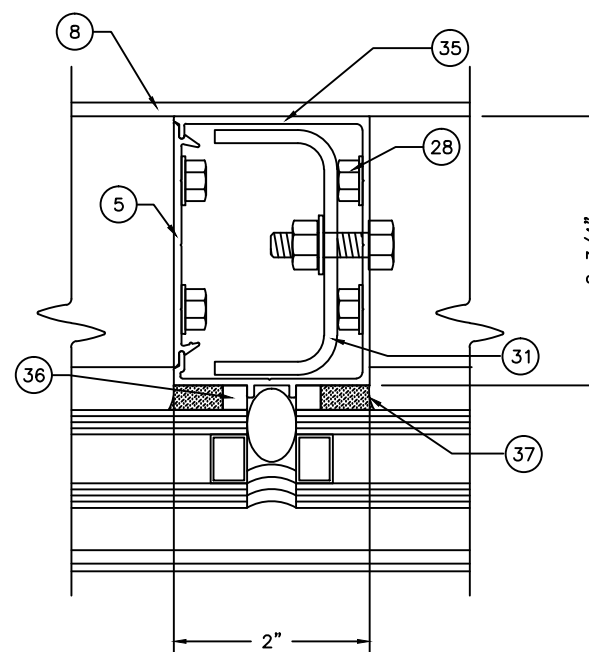
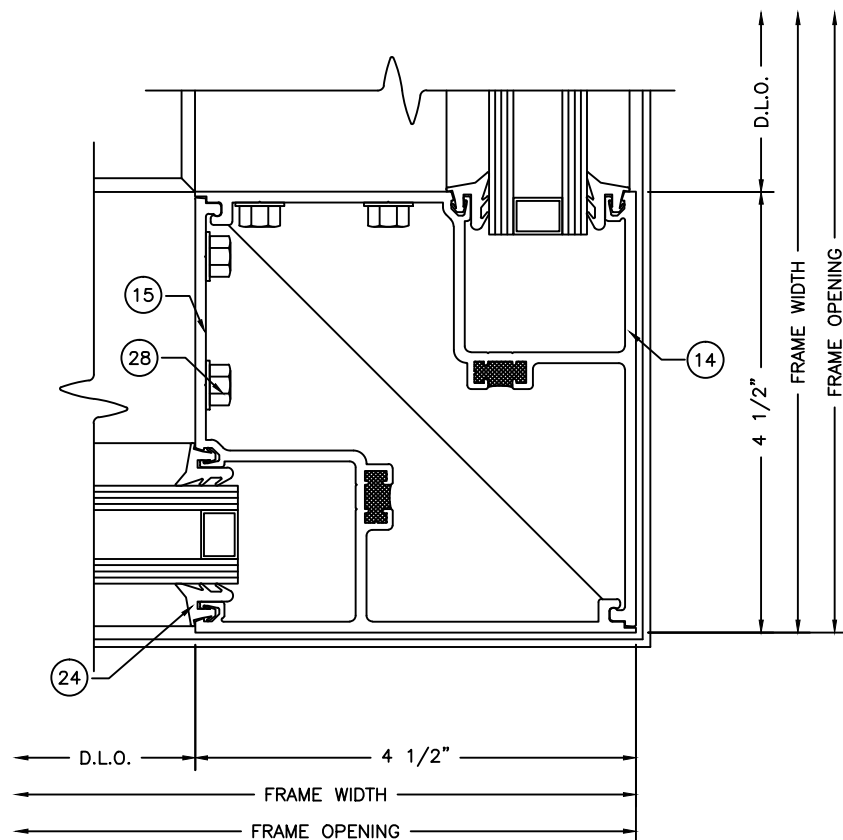
DRAWN <i>DEG</i>	DATE 3/31/20
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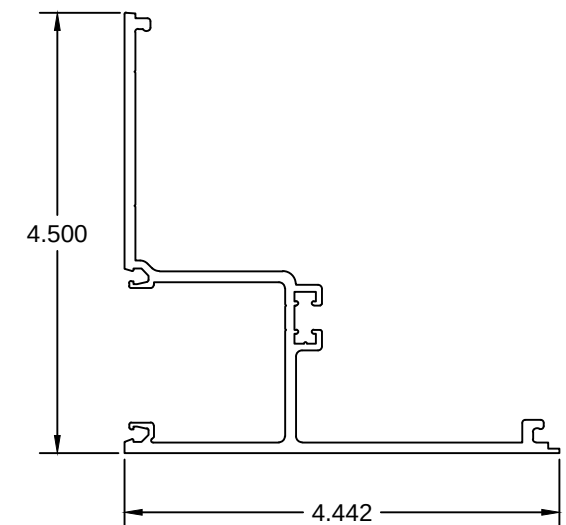
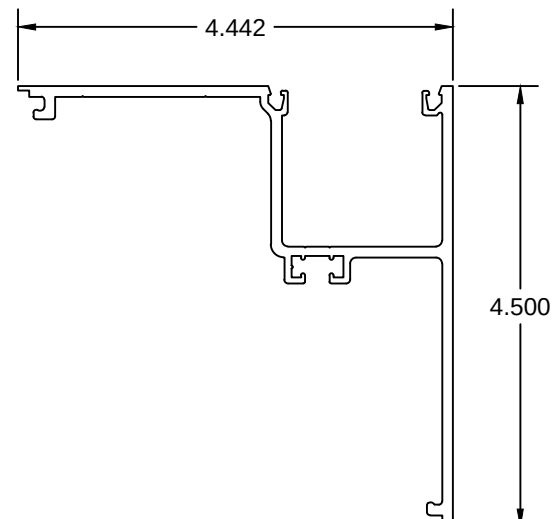
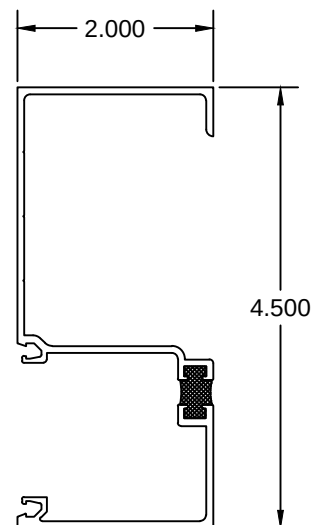
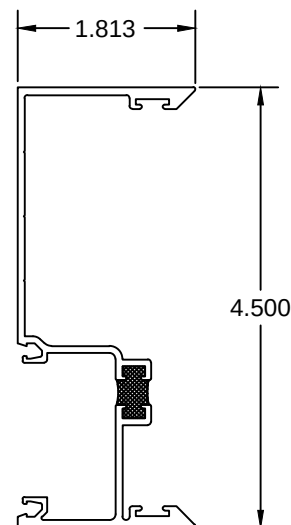
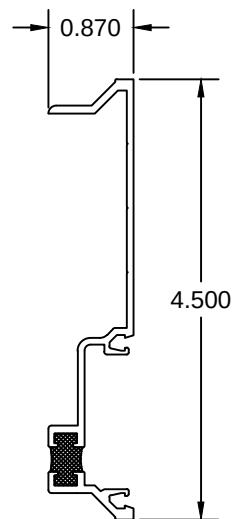
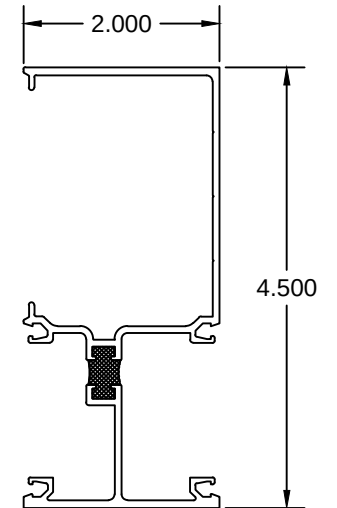
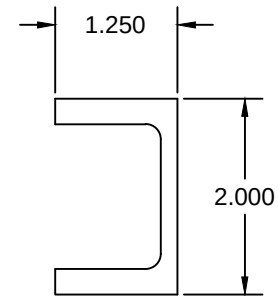
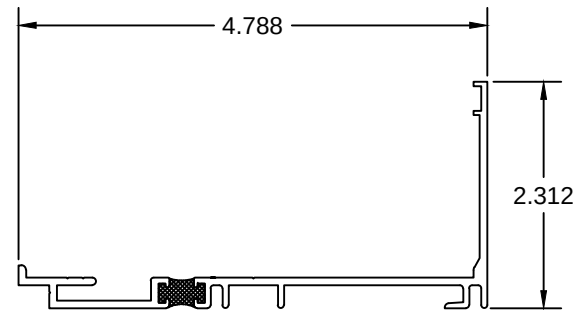
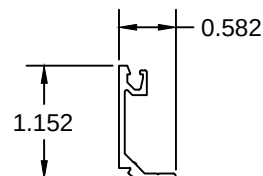
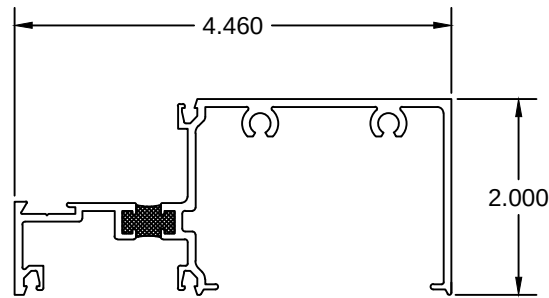
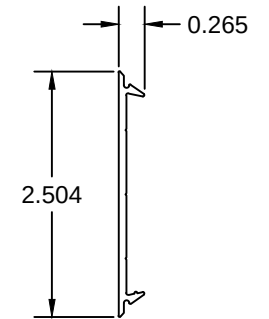
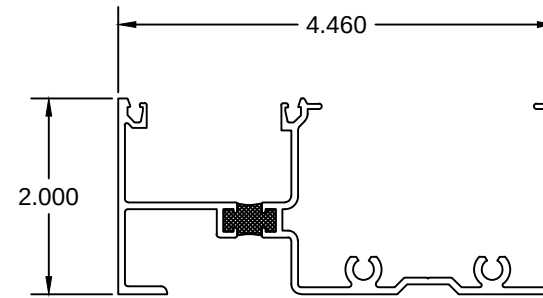
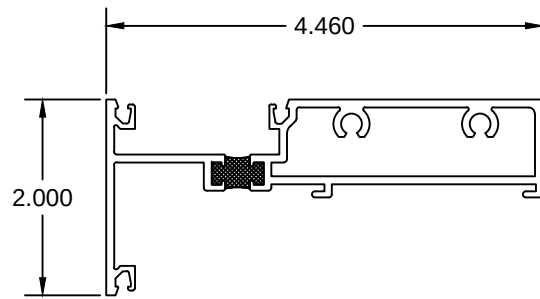
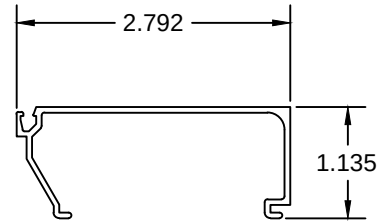
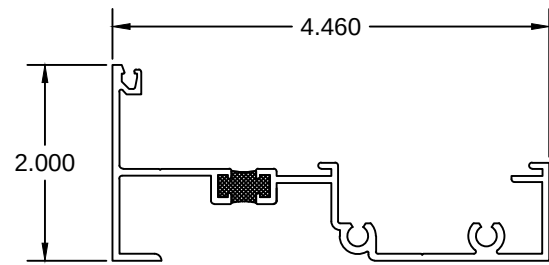
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SHEET

3 OF 17

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FLORIDA PRODUCT APPROVAL DRAWINGS FOR FS400T

DIE DRAWINGS

PROJECT NO.
FS400T

RAWN <i>DEG</i>	DATE 3/31/20
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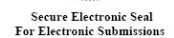
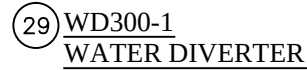
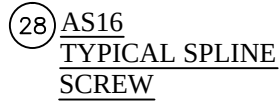
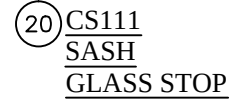
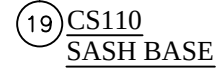
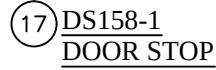
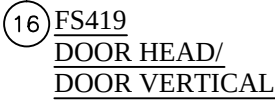
SHEET

1 OF 17

DESCRIPTION

DATE _____

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Digitally signed by: Josh Royne

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FLORIDA PRODUCT APPROVAL DRAWINGS FOR FS400T

DIE DRAWINGS

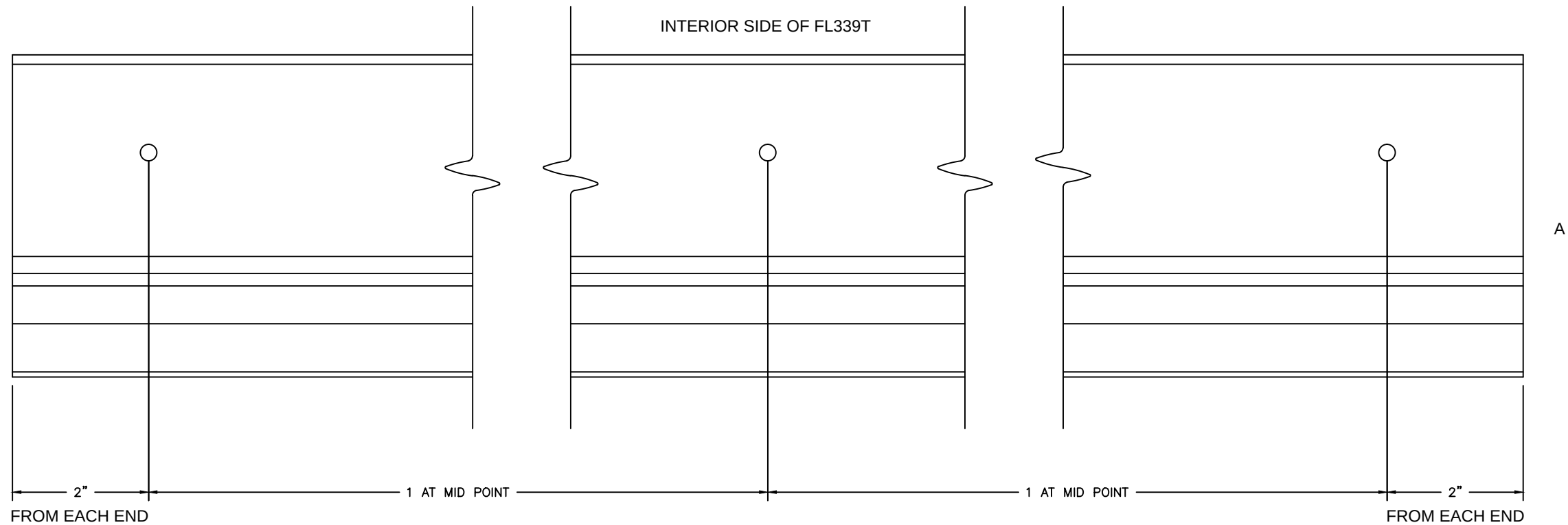
PROJECT NO.
FS400T

RAWN <i>DEG</i>	DATE 3/31/20
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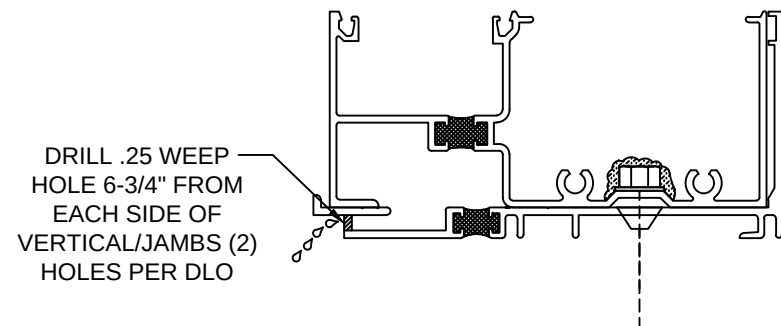
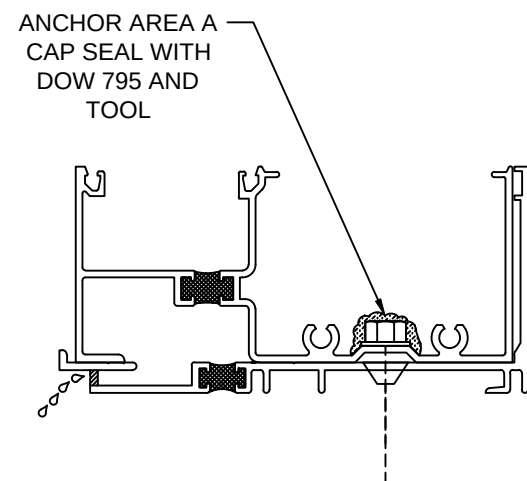
HEET

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REFERENCE CHART BELOW FOR ANCHOR LOCATIONS

SUBSILL ANCHORING



FL340 AND FL340T ANCHOR TYPES		
SUBSTRATE	ANCHOR TYPE	LENGTH BASED ON 1/2" SHIM SPACE
WOOD 3" THICK	#14 WOOD SCREW	2-1/2"
CONCRETE MIN 3000 PSI	1/4" HEX HEAD TAPCON OR EQUAL	3"
STEEL STUD MIN 18 GA	#14 PH OR HH TEK SCREW	2"
STEEL HOT ROLLED MIN 1/8"	#14 PH OR HH TEK SCREW	2"
STEEL HOT ROLLED MIN 1/8"	1/4" TYPE F OR STANDARD SAE AND TAP	2"



FLORIDA PRODUCT APPROVAL
DRAWINGS FOR FS400T

SUBSILL ANCHORING

PROJECT NO. FS400T	
DRAWN DEG	DATE 3/31/20
CHECKED WS	APPROVED EAB

SHEET
13 OF 17



REV	BY	DATE	DESCRIPTION
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1. TYPICAL INSTALLATION INTO SUBSTRATES

- A. 3000 PSI CONCRETE
- B. STEEL, 18 GA. MIN.
- C. HOT ROLLED STEEL, 1/8" MIN. THICKNESS
- D. SO. PINE, GRADE NO. 2 OR BETTER

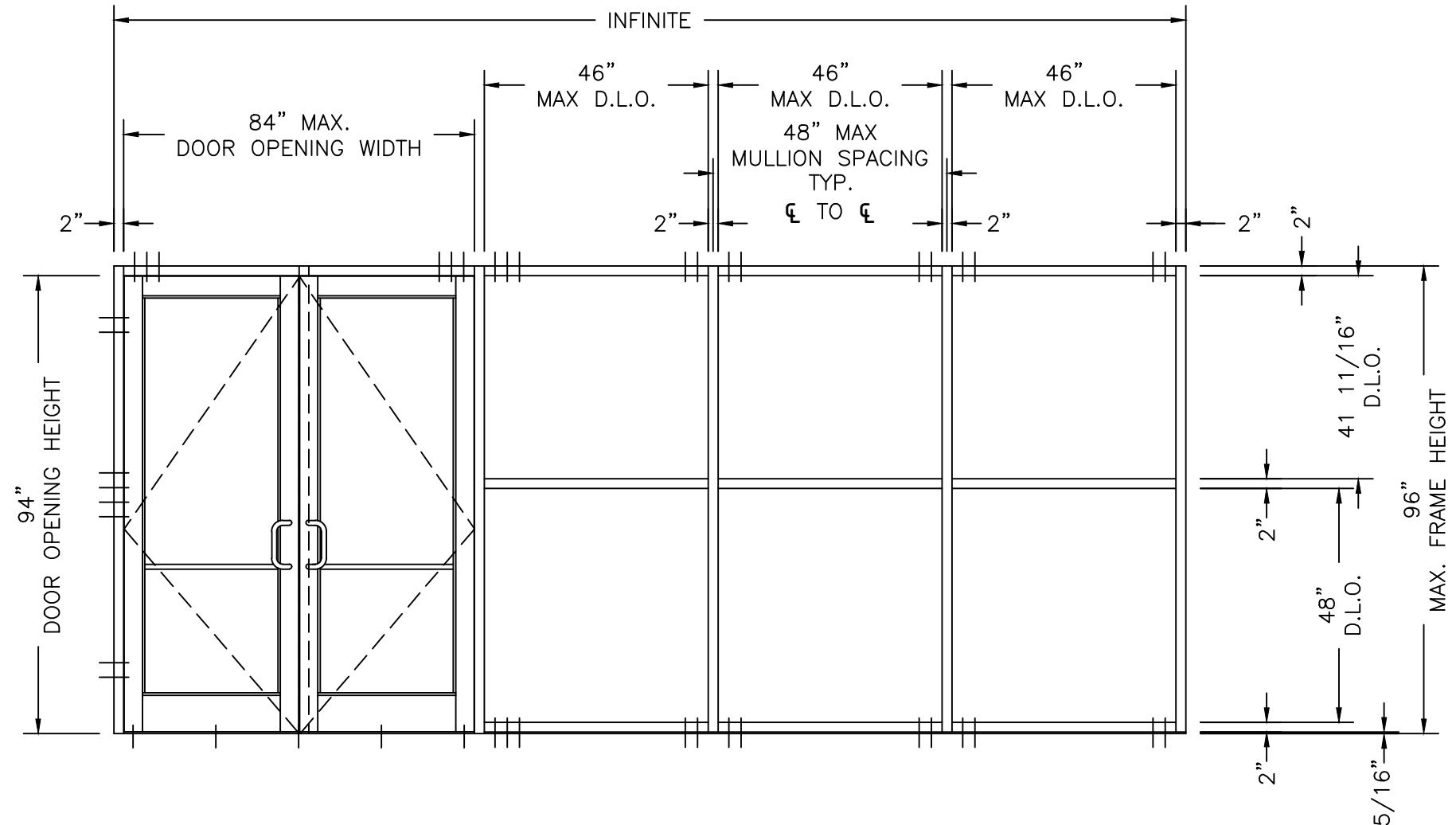
2. FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

DOOR PAIR DEPICTED, SINGLE DOORS QUALIFIED BY SAME.

FOR DOOR FRAMES WITHOUT SIDELITES, ANCHORING SHALL BE DUPLICATED ON BOTH JAMBS AS SHOWN (PAIRS AND/ OR SINGLES).

DOOR FRAME JAMB ANCHORS	
#14 X 3" PAN OR HEX HEAD WOOD SCREW	
LOCATION	SPACING
FROM BOTTOM OF FRAME (2) TOTAL	11-1/2", 14-1/2"
FROM CENTERLINE (4) TOTAL	1-1/2", 4-1/2" ABOVE CENTERLINE 1-1/2", 4-1/2" BELOW CENTERLINE
FROM BOTTOM OF DOOR HEADER (2) TOTAL	11-1/2", 14-1/2"

NOTE:
DOOR FRAMES WITH AND WITHOUT TRANSOM SHALL BE
ANCHORED AS SHOWN ON CHART ABOVE.



#14 X 3" WOOD SCREWS WITH 2" MIN. EMBEDMENT, 1-3/4" MIN. EDGE DISTANCE. LOCATE FIRST ANCHOR 2" FROM EDGE OF MULLION AND ADDITIONAL FASTENERS @ 3" MIN. SPACING .

WOOD SUBSTRATE - 3" THICK ANCHOR LOCATIONS

THRESHOLD ANCHORS	
1/4" X 2-1/2" FHP TAPCON OR EQUAL - 1-3/4" MINIMUM EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE	
SINGLE DOORS UP TO 48" (3 ANCHORS TOTAL)	(1) EACH 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
PAIRS DOORS UP TO 96" (5 ANCHORS TOTAL)	(1) EACH AT 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
	(1) EACH BETWEEN CENTER LINE AND JAMB ANCHORS

WOOD FRAMING THAT IS LESS THAN 2-1/2" SHALL BE CONSIDERED BLOCKING. STOREFRONT FRAMING SHALL BE FASTENED THROUGH WOOD INTO STEEL OR CONCRETE SUBSTRATE.

[illegible]

1. TYPICAL INSTALLATION INTO SUBSTRATES

- A. 3000 PSI CONCRETE
- B. STEEL, 18 GA. MIN.
- C. HOT ROLLED STEEL, 1/8" MIN. THICKNESS
- D. SO. PINE, GRADE NO. 2 OR BETTER

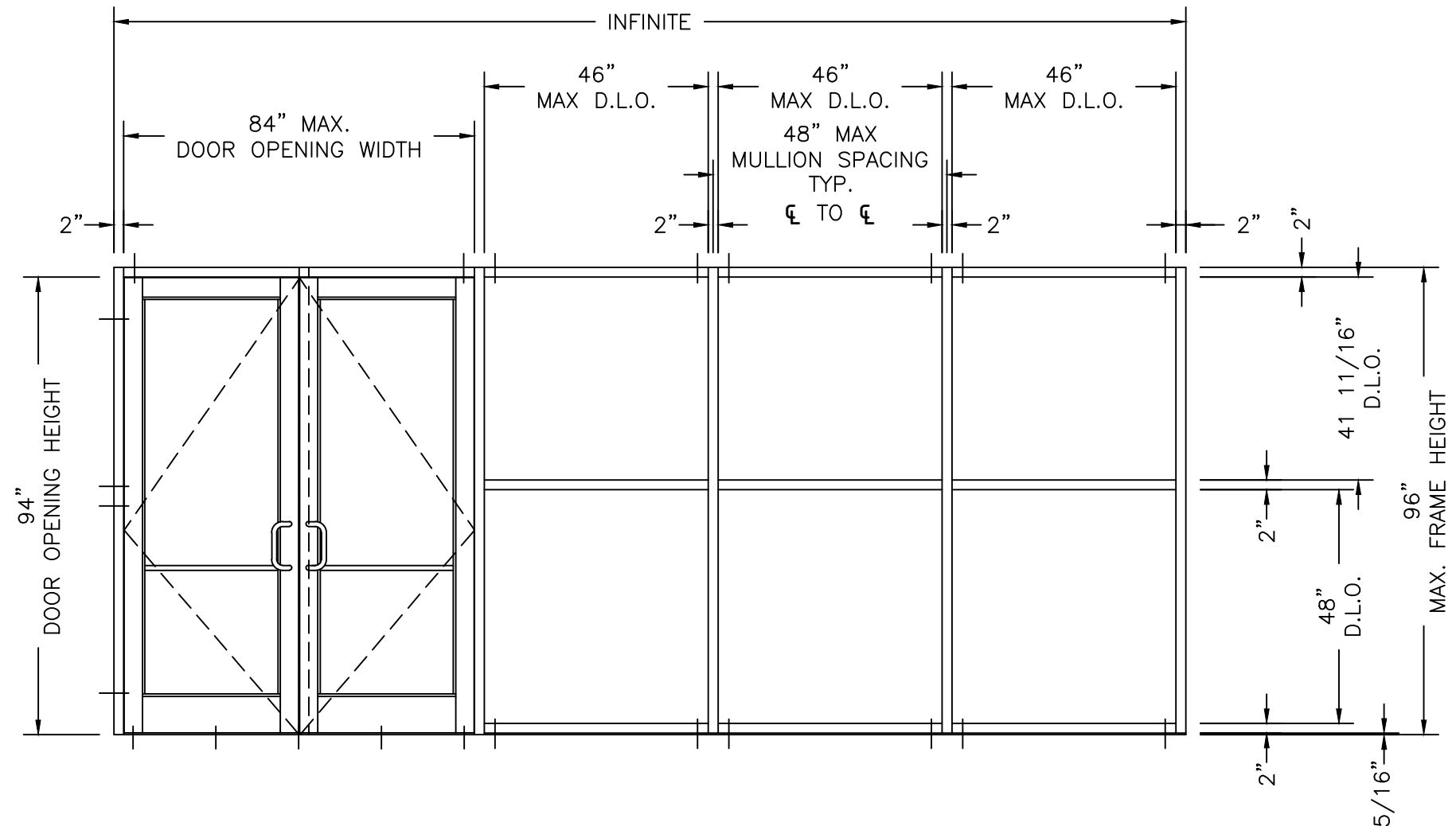
2. FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

DOOR PAIR DEPICTED, SINGLE DOORS QUALIFIED BY SAME.

FOR DOOR FRAMES WITHOUT SIDELITES, ANCHORING SHALL BE DUPLICATED ON BOTH JAMBS AS SHOWN (PAIRS AND/ OR SINGLES).

DOOR FRAME JAMB ANCHORS	
1/4" X 3" HEX OR FLAT HEAD TAPCONS	
LOCATION	SPACING
FROM BOTTOM OF FRAME (1) TOTAL	8-1/2"
FROM CENTERLINE (2) TOTAL	2" ABOVE CENTERLINE 2" BELOW CENTERLINE
FROM BOTTOM OF DOOR HEADER (1) TOTAL	8-1/2"

NOTE:
DOOR FRAMES WITH AND WITHOUT TRANSOM SHALL BE
ANCHORED AS SHOWN ON CHART ABOVE.



CONCRETE SUBSTRATE ANCHOR LOCATIONS

THRESHOLD ANCHORS	
1/4" X 2-1/2" FHP TAPCON OR EQUAL - 1-3/4" MINIMUM EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE	
SINGLE DOORS UP TO 48" (3 ANCHORS TOTAL)	(1) EACH 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
PAIRS DOORS UP TO 96" (5 ANCHORS TOTAL)	(1) EACH AT 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
	(1) EACH BETWEEN CENTER LINE AND JAMB ANCHORS

1/4" X 2-1/2" TAPCON WITH 1-3/4" MIN.
 EMBEDMENT, MIN. 4" SPACING, 2-1/2" MIN.
 EDGE DISTANCE. LOCATE FIRST ANCHOR
 2" FROM EDGE OF MULLION AND ADDITIONAL
 FASTENERS @ 4" MIN. SPACING .



FLORIDA PRODUCT APPROVAL DRAWINGS FOR FS400T CONCRETE FASTENER LOCATIONS									
PROJECT NO. FS400T DATE 3/31/20									
DRAWN <i>DEG</i>					CHECKED <i>WS</i>				
APPROVED <i>EAB</i>					DATE 3/31/20				
SHEET									
15 OF 17									

1. TYPICAL INSTALLATION INTO SUBSTRATES

- A. 3000 PSI CONCRETE
- B. STEEL, 18 GA. MIN.
- C. HOT ROLLED STEEL, 1/8" MIN. THICKNESS
- D. SO. PINE, GRADE NO. 2 OR BETTER

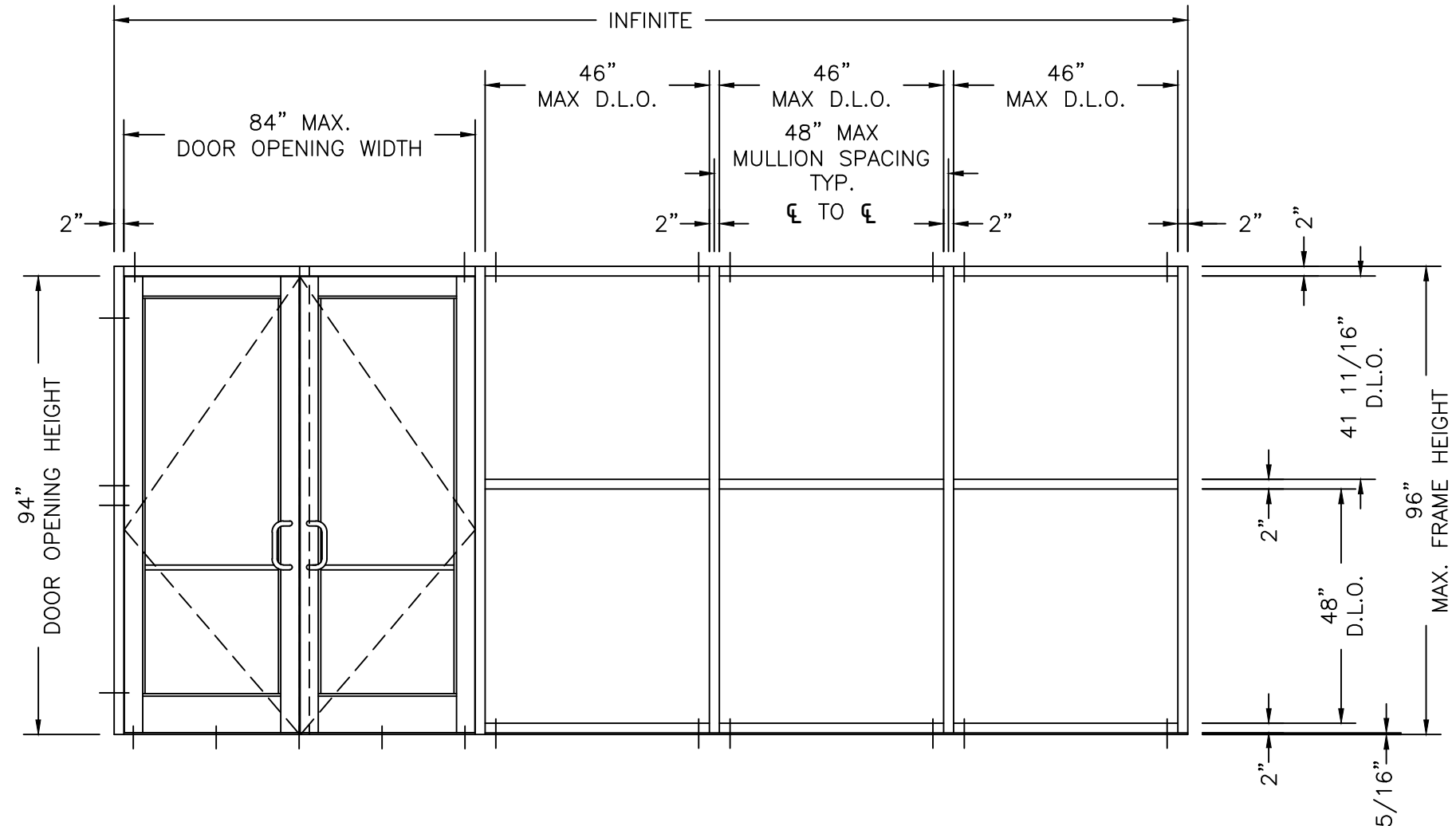
2. FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

DOOR PAIR DEPICTED, SINGLE DOORS QUALIFIED BY SAME.

FOR DOOR FRAMES WITHOUT SIDELITES, ANCHORING SHALL BE DUPLICATED ON BOTH JAMBS AS SHOWN (PAIRS AND/ OR SINGLES).

DOOR FRAME JAMB ANCHORS	
1/4-14 X 2-1/2" TEK 3 HEX OR FLAT HEAD SCREWS	
LOCATION	SPACING
FROM BOTTOM OF FRAME (1) TOTAL	8-1/2"
FROM CENTERLINE (2) TOTAL	2" ABOVE CENTERLINE 2" BELOW CENTERLINE
FROM BOTTOM OF DOOR HEADER (1) TOTAL	8-1/2"

NOTE:
DOOR FRAMES WITH AND WITHOUT TRANSOM SHALL BE
ANCHORED AS SHOWN ON CHART ABOVE.



1/4" X 2-1/2" TEK 3 SCREW.
LOCATE FIRST ANCHOR 2" FROM EDGE
OF MULLION AND ADDITIONAL ANCHORS
@ 2" MIN. SPACING .

LIGHT GAUGE MIN. 18 GA. STEEL SUBSTRATE ANCHOR LOCATIONS

THRESHOLD ANCHORS	
1/4" X 2-1/2" FHP TAPCON OR EQUAL - 1-3/4" MINIMUM EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE	
SINGLE DOORS UP TO 48" (3 ANCHORS TOTAL)	(1) EACH 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
PAIRS DOORS UP TO 96" (5 ANCHORS TOTAL)	(1) EACH AT 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
	(1) EACH BETWEEN CENTER LINE AND JAMB ANCHORS



FLORIDA PRODUCT APPROVAL DRAWINGS FOR FS400T LIGHT GAUGE STEEL FASTENER LOCATIONS				▪ Architectural Products 3010 RICE MINE ROAD, TUSCALOOSA, AL 35405 PHONE: 800-772-7737 FAX: 800-295-7320			
PROJECT NO. FS400T							
DRAWN <i>DEG</i>		DATE 3/31/20					
CHECKED <i>WS</i>		APPROVED <i>EAB</i>					
SHEET							
16 OF 17							

1. TYPICAL INSTALLATION INTO SUBSTRATES

- A. 3000 PSI CONCRETE
- B. STEEL, 18 GA. MIN.
- C. HOT ROLLED STEEL, 1/8" MIN. THICKNESS
- D. SO. PINE, GRADE NO. 2 OR BETTER

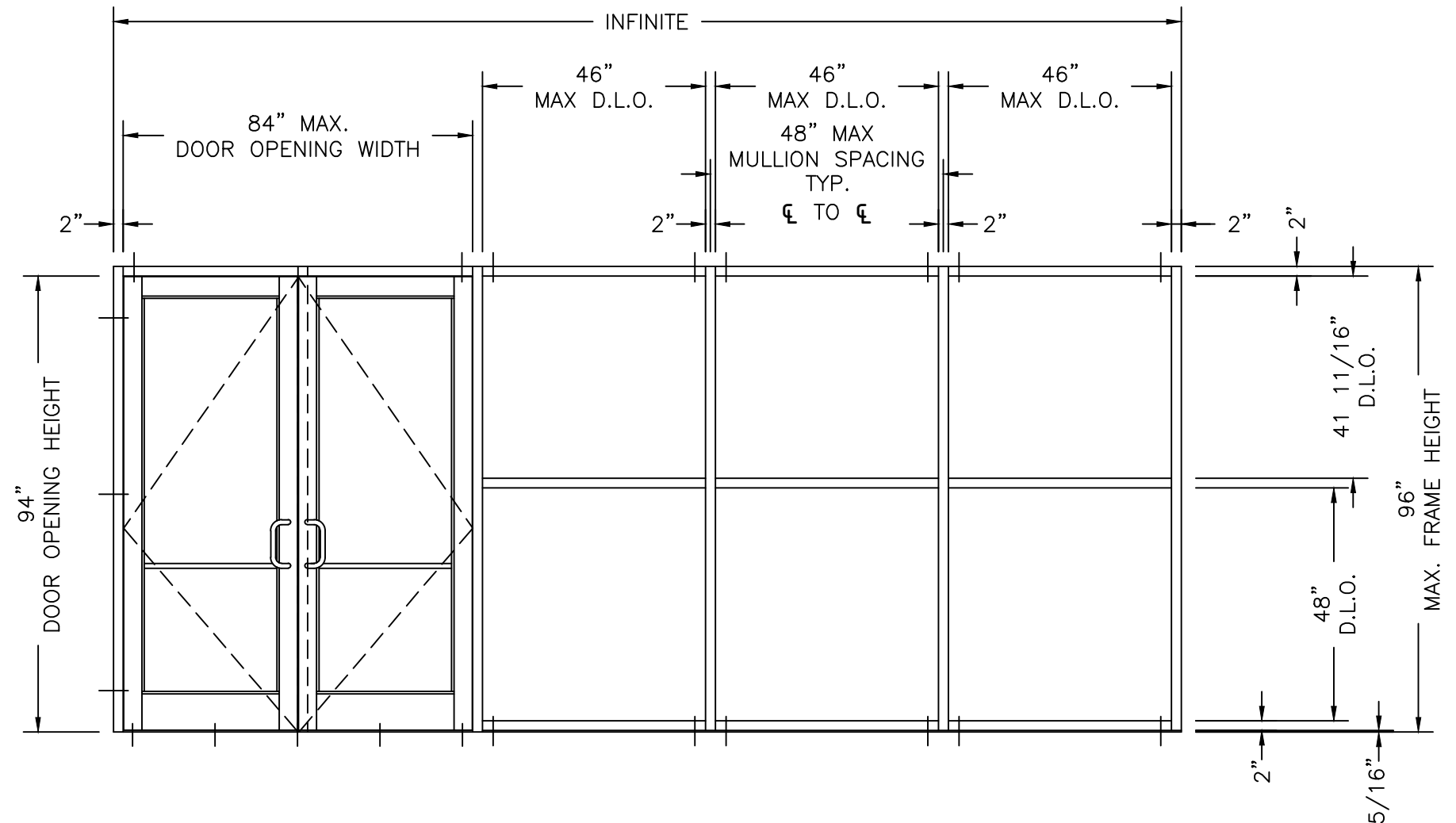
2. FIRST ANCHOR IS 2" FROM EDGE OF VERTICAL. EACH ADDITIONAL FASTENER IS AT REQUIRED MIN. SPACING.

DOOR PAIR DEPICTED, SINGLE DOORS QUALIFIED BY SAME.

FOR DOOR FRAMES WITHOUT SIDELITES, ANCHORING SHALL BE DUPLICATED ON BOTH JAMBS AS SHOWN (PAIRS AND/ OR SINGLES).

DOOR FRAME JAMB ANCHORS 1/4-14 X 2-1/2" TEK 3 HEX OR FLAT HEAD SCREWS OR 1/4" X 2-1/2" BOLT	
LOCATION	SPACING
FROM BOTTOM OF FRAME (1) TOTAL	8-1/2"
FROM CENTERLINE (1) TOTAL	AT CENTERLINE
FROM BOTTOM OF DOOR HEADER (1) TOTAL	8-1/2"

NOTE:
DOOR FRAMES WITH AND WITHOUT TRANSOM SHALL BE
ANCHORED AS SHOWN ON CHART ABOVE.



HOT ROLLED STEEL SUBSTRATE ANCHOR LOCATIONS

THRESHOLD ANCHORS	
1/4" X 2-1/2" FHP TAPCON OR EQUAL - 1-3/4" MINIMUM EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE	
SINGLE DOORS UP TO 48" (3 ANCHORS TOTAL)	(1) EACH 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
PAIRS DOORS UP TO 96" (5 ANCHORS TOTAL)	(1) EACH AT 4" FROM EACH JAMB
	(1) EACH AT CENTER LINE OF DOOR OPENING
	(1) EACH BETWEEN CENTER LINE AND JAMB ANCHORS

1/4" X 2" PAN HEAD OR TEK SCREW
OR
1/4" X 2" TYPE F BOLT OR STANDARD SAE BOLT AND TAP
OR
1/4" X 2" BOLT, NUT, AND WASHER
LOCATE ANCHORS 2" FROM EDGE OF MULLION.



FLORIDA PRODUCT APPROVAL DRAWINGS FOR FS400T										HOT ROLLED STEEL FASTENER LOCATIONS										 ▪ Architectural Products 3010 RICE MINE ROAD, TUSCALOOSA, AL 35405 PHONE: 800-772-7737 FAX: 800-295-7320										REV	BY	DATE	DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																