GENERAL NOTES:

1. FOLDING SHUTTER CORP. ROLL-UP SYSTEM SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE **2026 (9th EDITION)** OF THE FLORIDA BUILDING CODE.
   FOLDING SHUTTER CORP. ROLL-UP SYSTEM SHALL **NOT** BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. H.V.H.Z. (MIAMI-DADE / BROWARD COUNTIES).

2. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION **1609** OF THE ABOVE MENTIONED CODE USING **ASCE 7-22** AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON SHEETS 13 OR 18.
   IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER **ASCE 7-22** SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/MAX. (A.S.D.) DESIGN PRESSURE RATINGS INCLUDED ON SHEETS 13 THRU 15, 17-18 & 19 THRU 21.

   IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.E.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAVE BEEN DETERMINED IN ACCORDANCE WITH ANSI / AWC NDS-24
   THIS PRODUCT ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER INTERTEK TEST LAB. REPORT # J8053.01-450-18RO AND BLACKWATER TECHNICAL SERVICES INC. REPORT # BT-FSC-22-001 AS PER TAS-201, TAS-202 AND TAS-203 PROTOCOLS. IMPACT MISSILE IS 9LbS=, 2"X4", 50ft/Sec.

3. ALL ALUMINUM EXTRUSIONS SHALL BE AS INDICATED ON SHEET 2.

4. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.

5. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 Ksi YIELD STRENGTH AND 90 Ksi TENSILE STRENGTH OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018. ALL S.D.S. ARE TEK SCREWS MANUFACTURED BY ITW BUILDEX & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTIONS 2411.3.3.4. & 1711.

6. BOLTS TO BE ASTM-307, GALVANIZED OR AISI 304 OR 316 SERIES STAINLESS STEEL WITH 36 Ksi MINIMUM YIELD STRENGTH.

7. ANCHORS TO WALL FOR Ⓑ SIDE RAIL SHALL BE AS FOLLOWS: BASED ON EXISTING SUBSTRATE. *

POURED CONCRETE MIN f'c= 3 ksi				GROUTED f'c= 2000 psi FILLED CELL CONCRETE BLOCK (ASTM C-90)			
ANCHOR NAME	MANUFACTURER	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE	ANCHOR NAME	MANUFACTURER	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
5/16" Ø ULTRACON	DEWALT	2"	3 1/8"	5/16" Ø ULTRACON	DEWALT	2 1/4"	2 1/2"
3/8" Ø SS KWIK BOLT 3	HILTI	2 3/8"	2 3/8"	3/8" Ø SS KWIK BOLT 3	HILTI	2 1/2"	4"
3/8" Ø CONFLEX	ELCO	2 1/2"	3 3/4"	3/8" Ø SS LDT ANCHOR	RED HEAD	1 1/2"	4"
3/8" Ø DEWALT WEDGE BOLT	DEWALT	3"	4"	3/8" Ø DEWALT WEDGE BOLT	DEWALT	3 1/4"	4"
3/8" Ø S.S. LDT	RED HEAD	2 1/2"	2"	3/8" Ø SCREW BOLT	DEWALT	3 1/4"	4"
3/8" Ø SCREW BOLT	DEWALT	2 1/2"	4"	3/8" Ø SS DYNABOLT SLEEVE	RED HEAD	1 1/2"	4"

TO EXISTING WOOD FRAME BUILDING: SPRUCE PINE -FIR-SOUTH (G-036). DOUGLAS-FIR-SOUTH (G=0.46) OR SOUTHERN PINE # 2 (G=0.55) MIN.
-5/16" Ø ULTRACON ANCHORS OR 5/16" S.S. WOOD SCREWS, AS MANUFACTURED BY DEWALT.
1)MINIMUM EMBEDMENT (E.D.)
2 1/2" FOR 5/16" Ø ULTRACON ANCHORS.

2)MINIMUM EDGE DISTANT (E.D.)
2 1/4" FOR 5/16" Ø ULTRACON ANCHORS.

*** NOTES:**
a) NO EMBEDMENT INTO STUCCO SHALL BE CONSIDERED AS PART OF THE REQUIRED EMBEDMENT.
b) IN CASE THAT PRECAST STONE, PRECAST CONCRETE OR BRICK PANELS, VENEER OR PAVERS BE FOUND ON THE EXISTING WALL ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS.
c) EDGE DISTANCE IS BEYOND ANY FINISH MATERIAL.
d) ONLY STAINLESS STEEL ANCHORS ARE ALLOWED AT INSTALLATIONS WITHIN 300ft FROM COASTAL SHORELINE.

8. ANCHORS SHALL BE INSTALLED FOLLOWING ALL THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

9. ANCHORS REQUIRED FOR MULLION CONNECTIONS TO CONCRETE SHALL BE AS SPECIFIED ON APPLICABLE SECTIONS SHOWN ON SHEETS 8, 9, 10 & 11.
   -S.S.KWIK BOLT 3 EXPANSION ANCHOR MANUFACTURED BY HILTI, INC.
   -CONFLEX SCREW ANCHOR MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS.
   -WEDGE BOLT AS MANUFACTURED BY DEWALT.

   MINIMUM EDGE DISTANCE FOR ABOVE MENTIONED ANCHOR SHALL BE AS INDICATED BELOW OR AT ABOVE MENTIONED SHEETS. EDGE DISTANCE AND EMBEDMENTS ARE BEYOND ANY FINISH MATERIAL

ANCHOR**	EDGE DISTANCE @ 100%	EMBEDMENT @ 100% CONCRETE	REQ'. MIN. THICKNESS FOR SUBSTRATE
3/8"Ø KWIK BOLT 3	4 1/2"	2 3/8" (3000 PSI)	6"
3/8"Ø CONFLEX SCREW	4"	2 5/8" (3000 PSI)	6"
3/8"Ø WEDGE BOLT	4 1/2"	2 3/8" (3000 PSI)	7"
1/2"Ø KWIK BOLT 3	8"	3 1/2" (3000 PSI)	8"
1/2"Ø CONFLEX	6"	3 1/2" (3000 PSI)	6"
1/2"Ø WEDGE BOLT	7"	3 1/2" (3000 PSI)	6"
5/8"Ø KWIK BOLT 3	7"	3 1/2" (3000 PSI)	6"
3/4"Ø KWIK BOLT 3	7 3/4"	5 1/2" (3000 PSI)	8"
3/4"Ø WEDGE BOLT	7 3/4"	5 1/2" (3000 PSI)	8"
3/4"Ø CONFLEX SCREW	7 3/4"	5 1/2" (3000 PSI)	7"

*****ONLY STAINLESS STEEL ANCHORS ARE ALLOWED AT INSTALLATIONS WITHIN 300ft FROM COASTAL SHORELINE.***

10. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL PRODUCT COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL PRODUCT TRACKS ALL AROUND FULL LENGTH.

11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE PRODUCT IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS PRODUCT SHALL ONLY BE ATTACHED TO CONCRETE, GROUTED CONCRETE BLOCK OR WOOD FRAME BUILDINGS.

12. THIS PRODUCT'S INSTALLATION SHALL COMPLY WITH ALL SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION.

13. LIFTING MECHANISM NOT PART OF THIS APPROVAL.

14. a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT: ie. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

    b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTORS' RESPONSIBILITY.

    c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

    d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OR RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

    e) THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

15. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION1709.9.3 OF FLORIDA BUILDING CODE.
    ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABELING TO COMPLY WITH SECTION 1709.9.2 OF THE FLORIDA BUILDING CODE.

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (NON HIGH VELOCITY HURRICANE ZONE)

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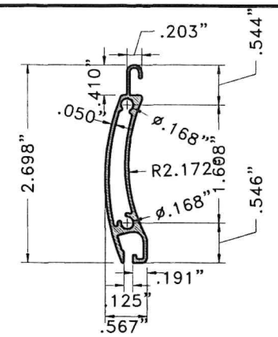
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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

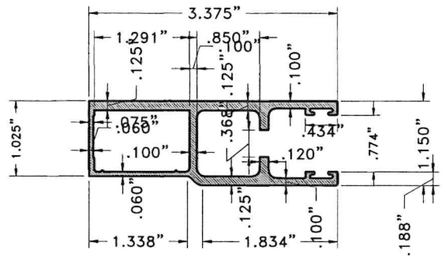
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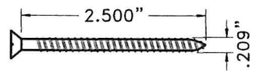
Ⓐ **SLAT**

58mm EXTRUDED ALUMINUM SLAT
6063–T6 ALUMINUM ALLOY



Ⓑ **SIDE RAIL**

6063–T6 ALUMINUM ALLOY



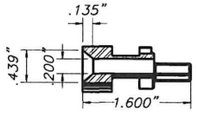
Ⓒ **END RETENTION SCREW**

#10–12 x 2 1/2" AISI 1022 CARBON STEEL S.M.S.
Ftu =200 ksi
SCREW SHALL BE COATED WITH XYLAN 5000 SERIES FLUOROPOLYMER COATING, AS MANUFACTURED BY WHITFORD Co. BOX 507 WEST CHESTER PA. 19381 COATING



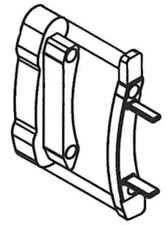
Ⓒ' **1/4"ø x1" ITW/BUILDEX 410 SS TEK SCREW**

STAINLESS STEEL

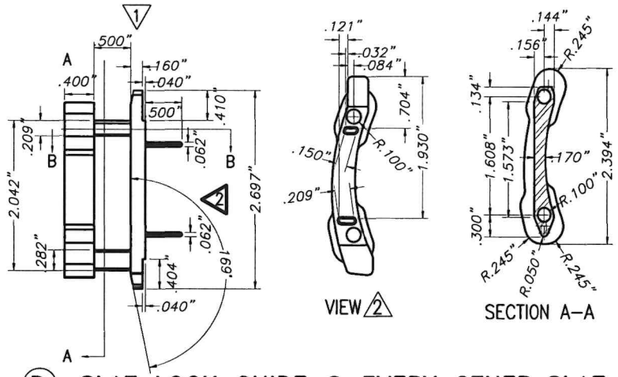


SECTION B–B

VIEW 1



ISOMETRIC CUT

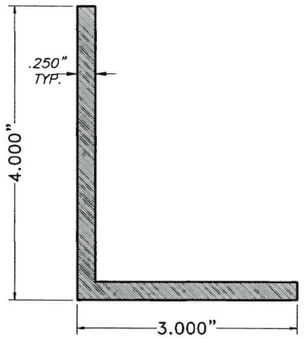


VIEW 2

SECTION A–A

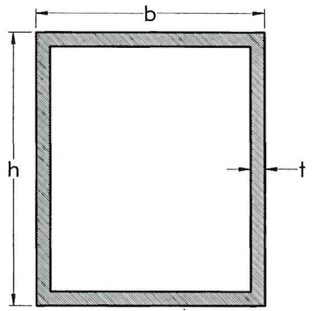
Ⓓ **SLAT LOCK GUIDE @ EVERY OTHER SLAT**

CELCON ACETAL COPOLYMER



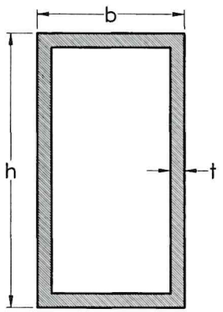
Ⓙ **TRAPPED ANGLE**

6063–T6 ALUMINUM ALLOY



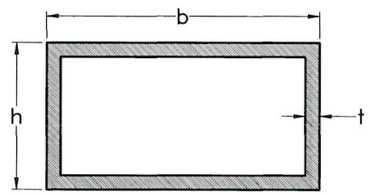
MULLIONS

MULLIONS	b	h	t	ALLOY
Ⓔ	3"	4"	0.125"	6063–T6
Ⓕ	4"	4"	0.125"	6063–T6
Ⓖ	4"	4"	0.25"	6061–T6
Ⓗ	4"	6"	0.25"	6061–T6
Ⓘ	4"	8"	0.25"	6061–T6



INSIDE MOUNTED TUBES

TUBE	b	h	t	ALLOY
Ⓚ	2"	3"	0.125"	6063–T6
Ⓛ	3"	3"	0.125"	6063–T6
Ⓜ	2"	4"	0.25"	6061–T6
Ⓝ	3"	4"	0.125"	6063–T6
Ⓞ	4"	4"	0.125"	6063–T6
Ⓞ1	4"	4"	0.25"	6061–T6



BUILD OUT MOUNTED TUBES

TUBE	b	h	t	ALLOY
Ⓟ	4"	2"	0.25"	6061–T6
Ⓠ	4"	3"	0.125"	6063–T6
Ⓡ	4"	4"	0.125"	6063–T6
Ⓢ	3"	2"	0.25"	6061–T6
Ⓣ	3"	3"	0.125"	6063–T6
Ⓤ	3"	2"	0.125"	6063–T6
Ⓤ1	3"	1"	0.125"	6063–T6

COMPONENTS

SCALE: 1/2" = 1"

WALTER A. TILLIT JR LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

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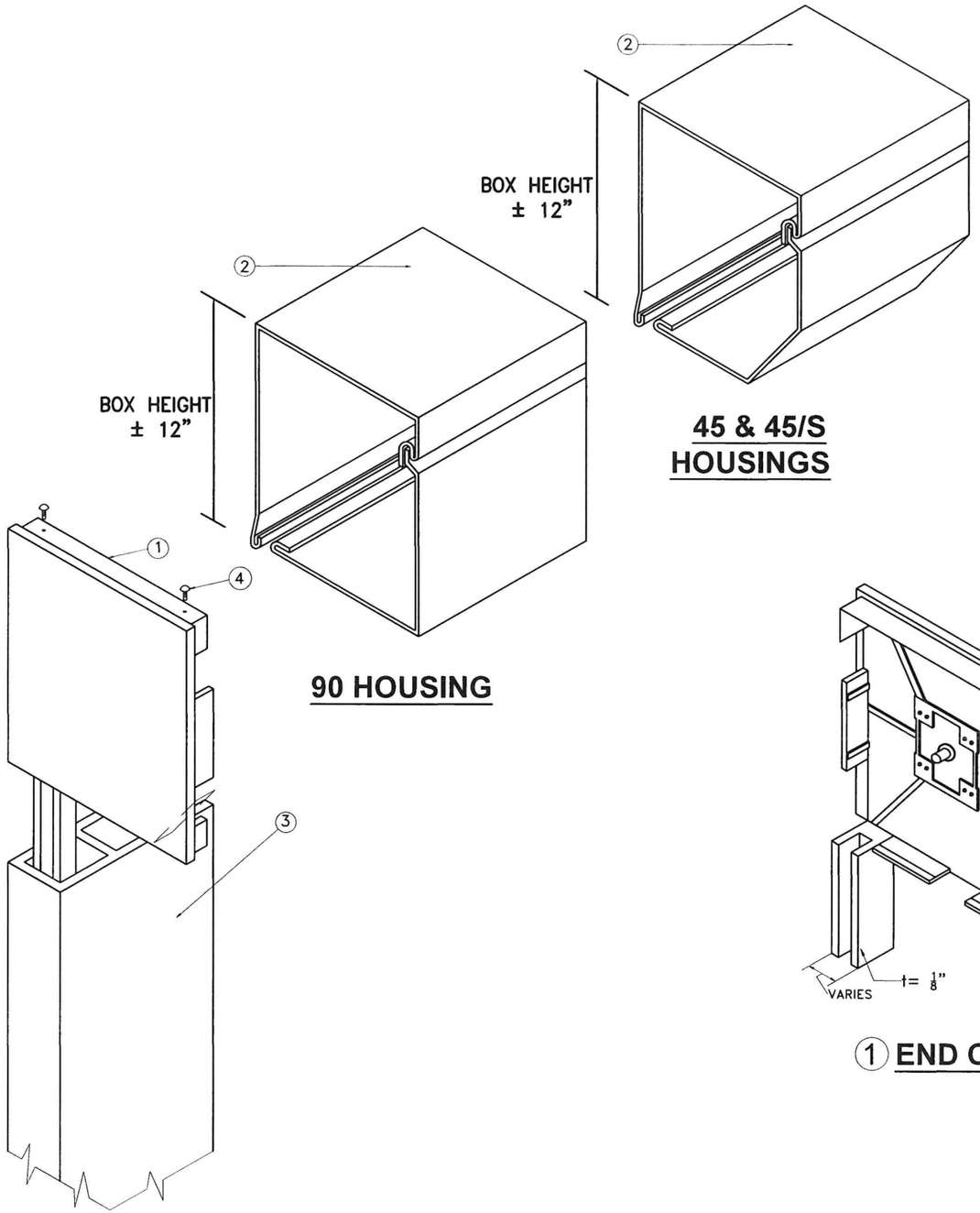
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CA–0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
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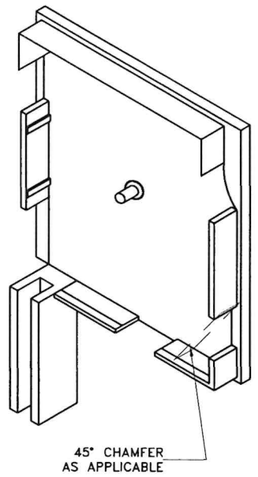
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SHEET 2 OF 21



45 & 45/S HOUSINGS

90 HOUSING



① END CAPS:

STRUCTURAL COMPONENTS FOR OPERATING SYSTEM

① – SIDE/END CAP (CAST ALUMINUM) *
② – HOUSING, 0.040" THICK SHEET METAL (3105–H14 OR STRONGER)
③ – SIDE RAIL

FASTENERS

④ – 3/16" ALUMINUM POP RIVETS(6 REQ'D EA. SIDE CAP) : 2 @ TOP, 2 @ REAR, 2@ BOTTOM

* SHALL BE CAPABLE TO SUSTAIN SLAT'S WEIGHT AND ASSURE LIFTING MECHANISM (SEE NOTE 13/1)

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BOX STRUCTURAL COMPONENTS AND ASSEMBLY DETAIL

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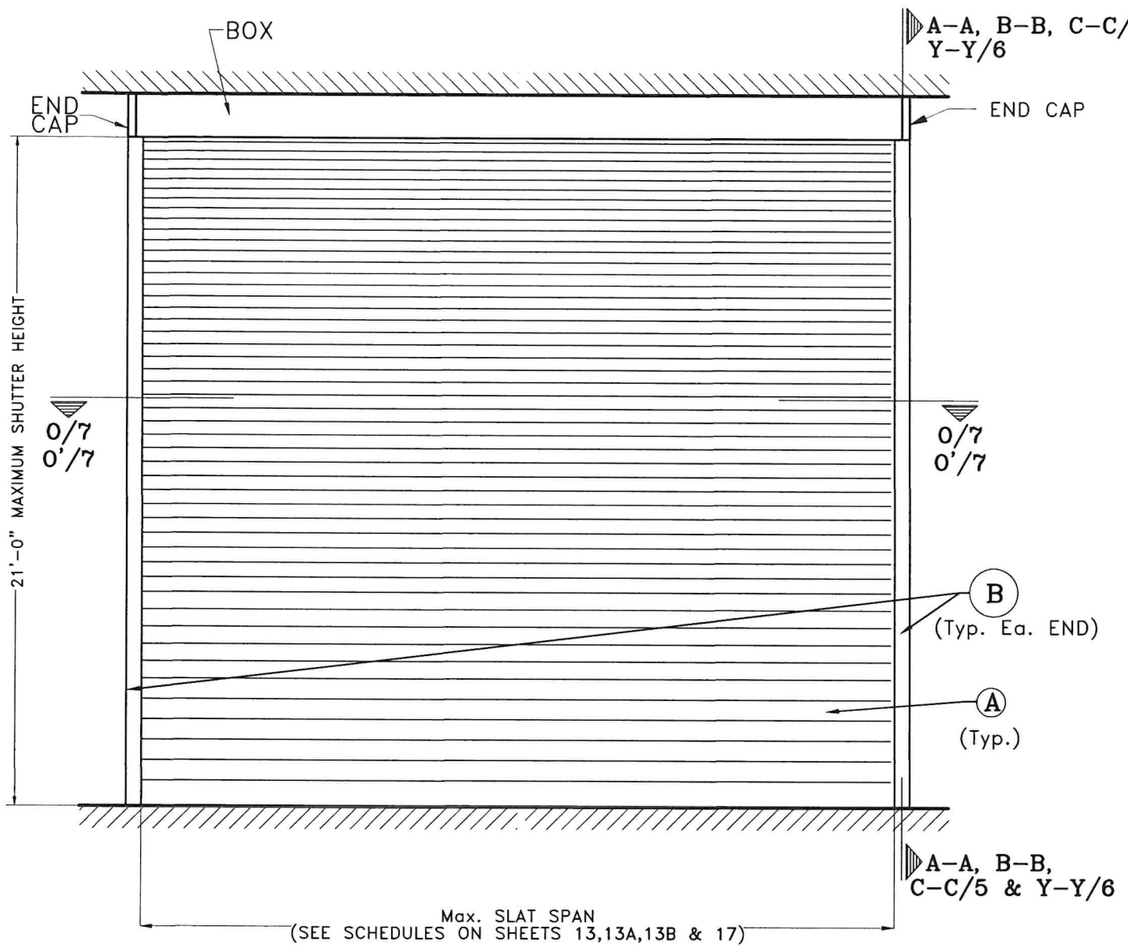
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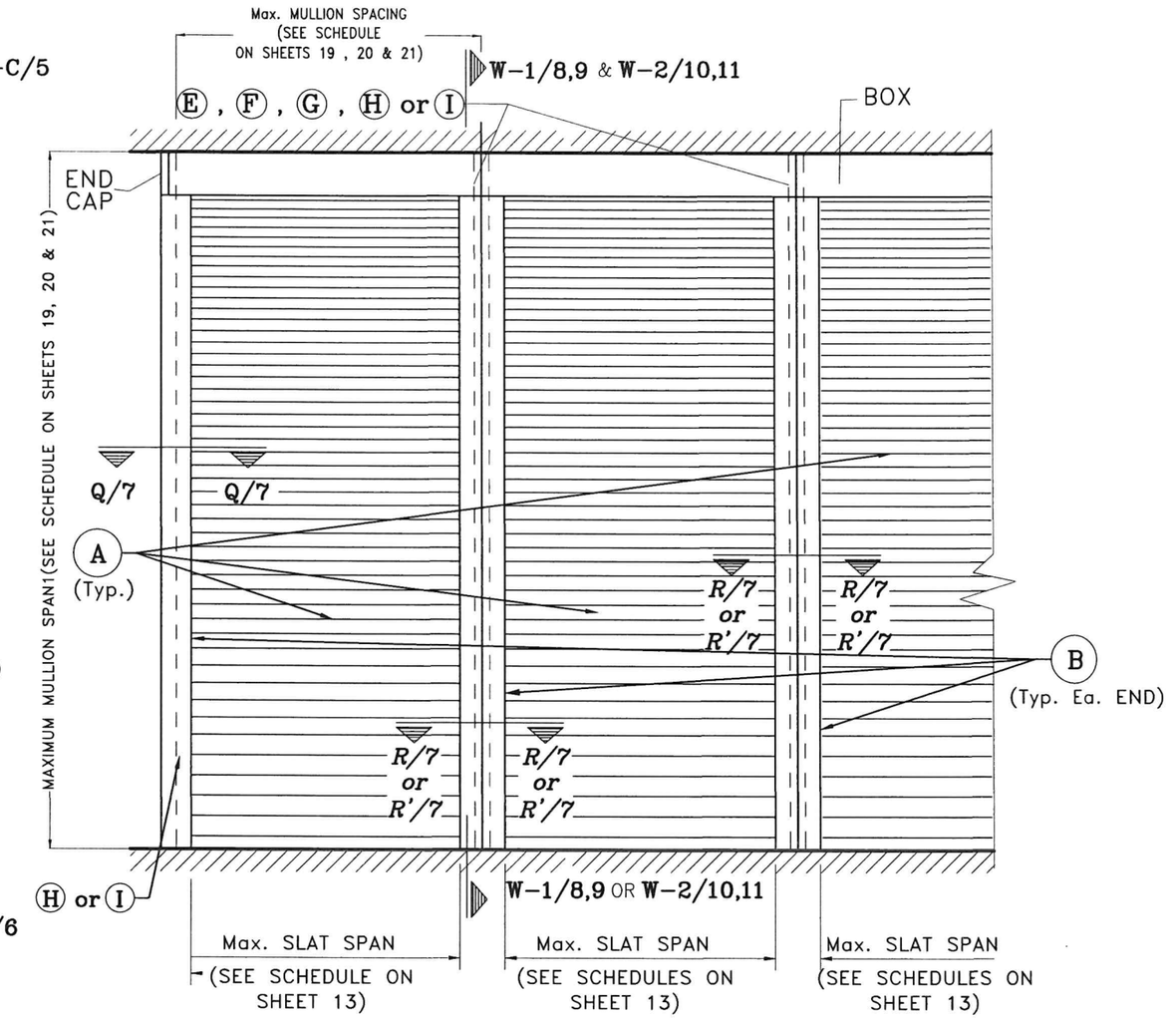
26–057
DRAWING No.



TYPICAL SINGLE UNIT ELEVATION (CONCRETE, GROUTED BLOCK OR WOOD)

NOTE: SEE SHEETS 2 & 3 FOR COMPONENTS NOMENCLATURE.

N.T.S.



TYPICAL CONSECUTIVE SINGLE UNIT ELEVATION W/ MULLION INTO POURED CONCRETE

NOTE: SEE SHEETS 2 & 3 FOR COMPONENTS NOMENCLATURE.

N.T.S.

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

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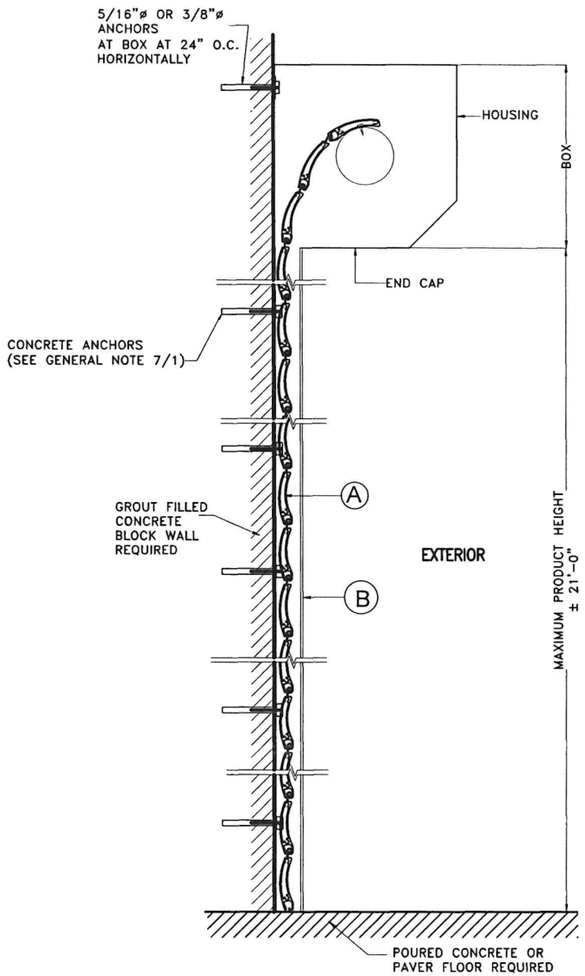
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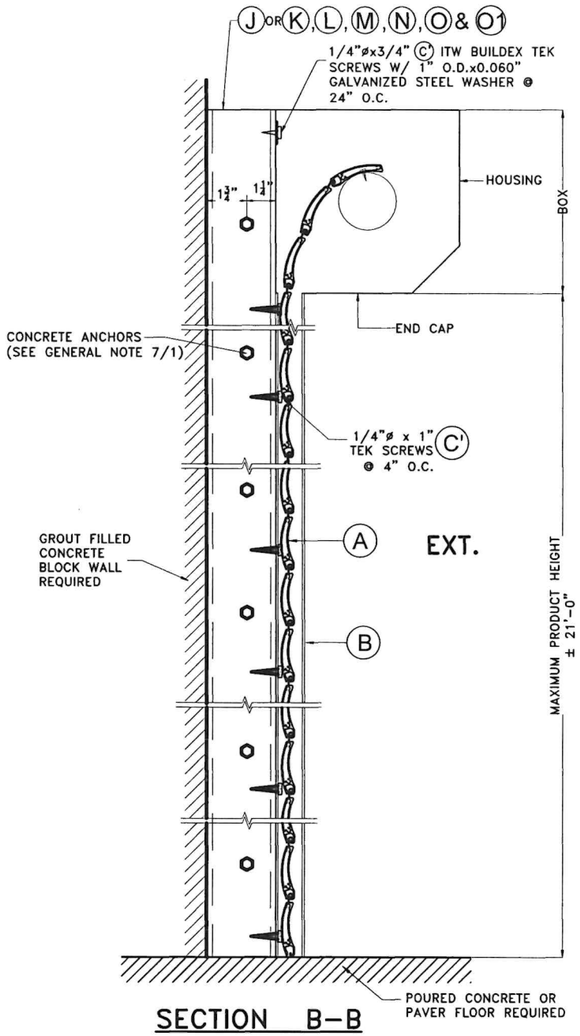
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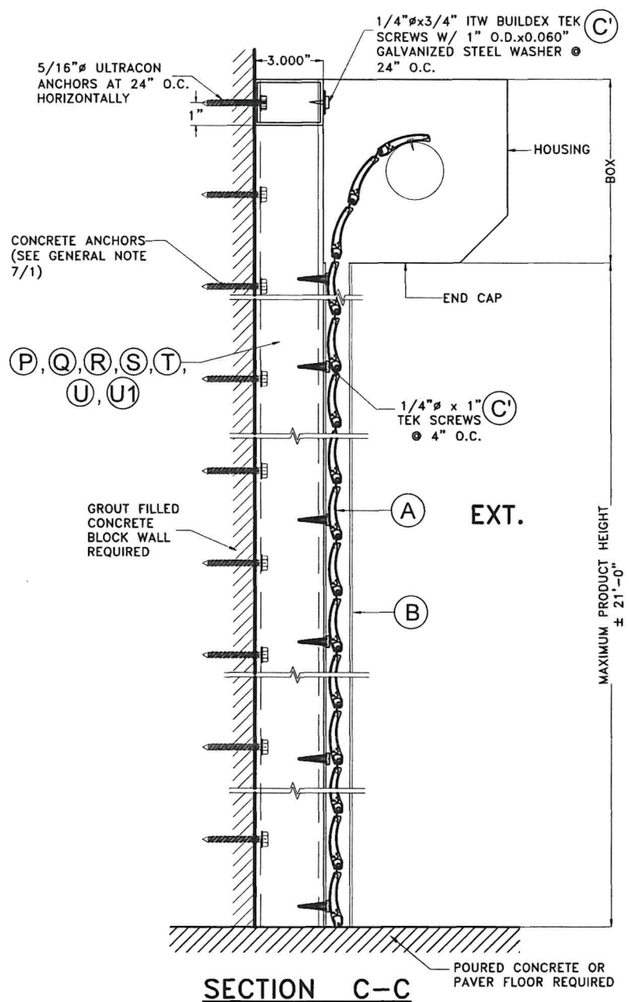
26–057
DRAWING No.



SECTION A–A
(WALL MOUNTED)
SCALE= N.T.S.



SECTION B–B
(TRAPPED MOUNTED)
SCALE= N.T.S.



SECTION C–C
(BUILD OUT)
SCALE= N.T.S.

INSTALLATION DETAILS ON EXISTING POURED CONCRETE OR GROUT FILLED CONCRETE BLOCK WALL BUILDINGS

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

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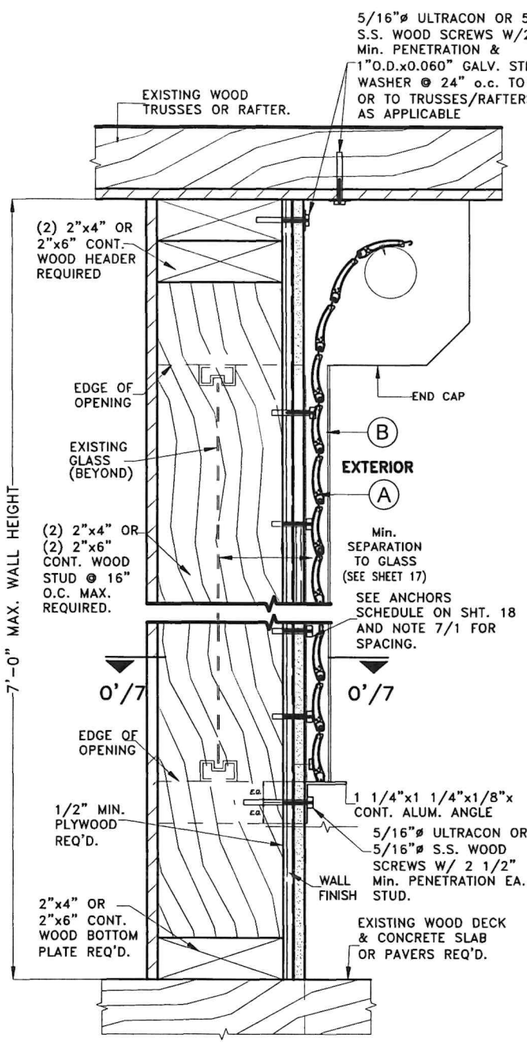
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	–	–	4	–	–

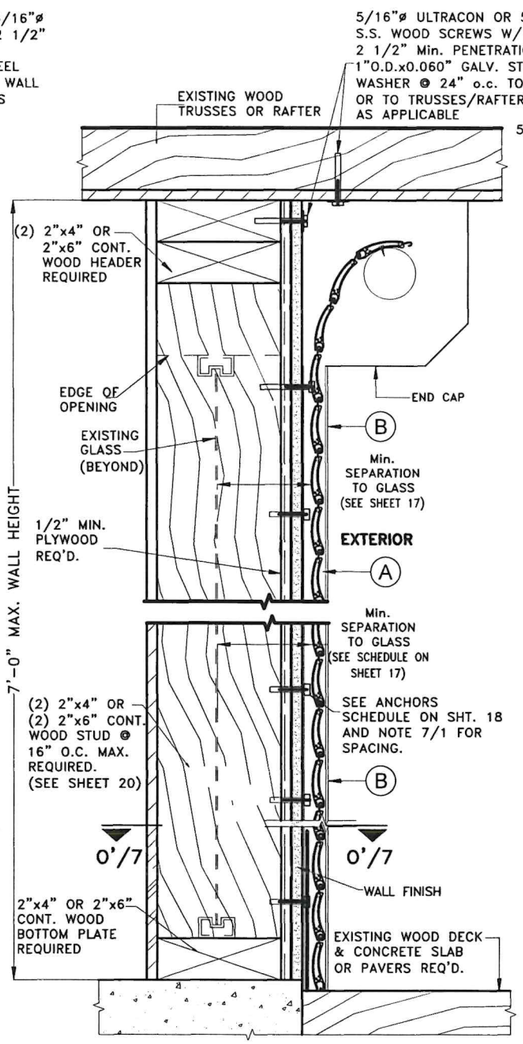
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DRAWN BY:

6/23/2026
DATE:

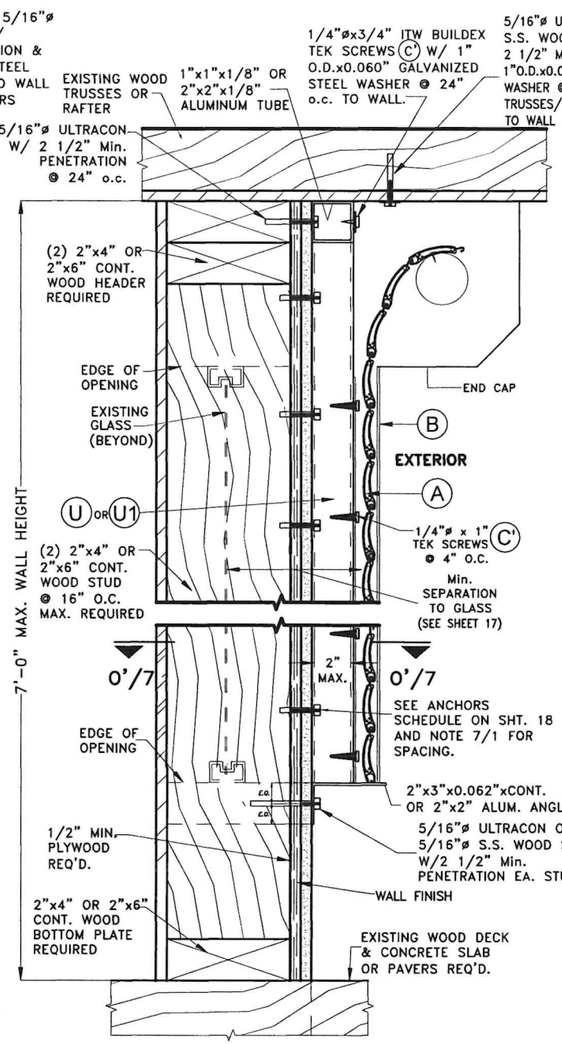
26-057
DRAWING No.



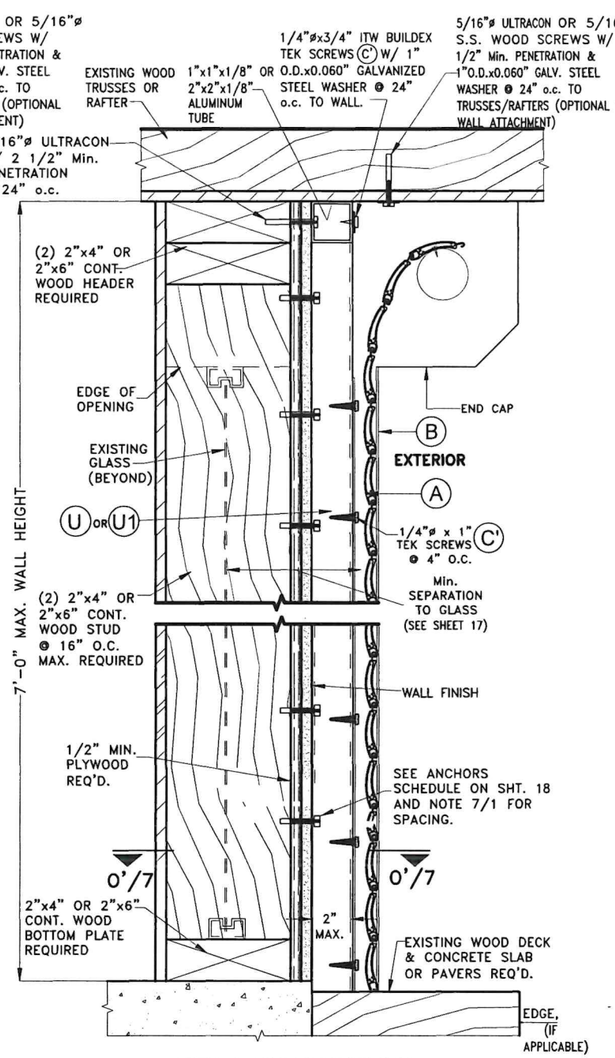
WALL MOUNTING



WALL MOUNTING



BUILD-OUT MOUNTING



BUILD-OUT MOUNTING

SECTIONS Y–Y

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS *

N.T.S.

* SEE SHEETS 18 & 19 FOR LIMITATIONS AND ANCHOR SPACING REQUIREMENTS

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CA-0006719
WALTER A. TILLIT Jr. P.E.
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58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

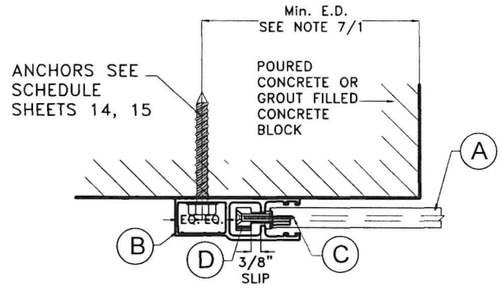
FOLDING SHUTTER CORP.
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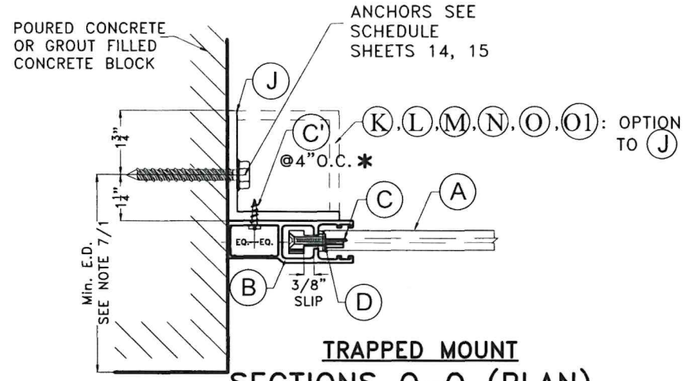
W.H.
DRAWN BY:

6/23/2026
DATE:

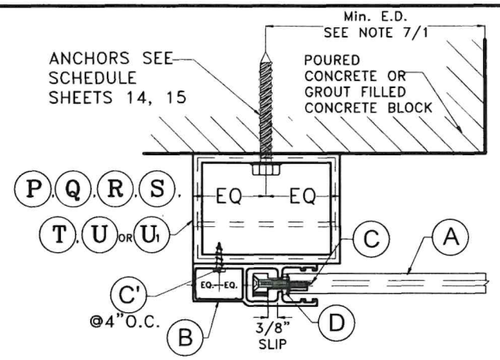
26-057
DRAWING No.



FLUSH MOUNT (WALL)



TRAPPED MOUNT



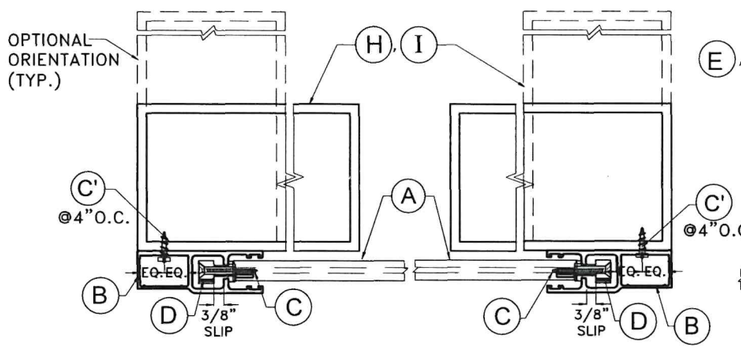
BUILD-OUT MOUNT

SECTIONS O-O (PLAN)

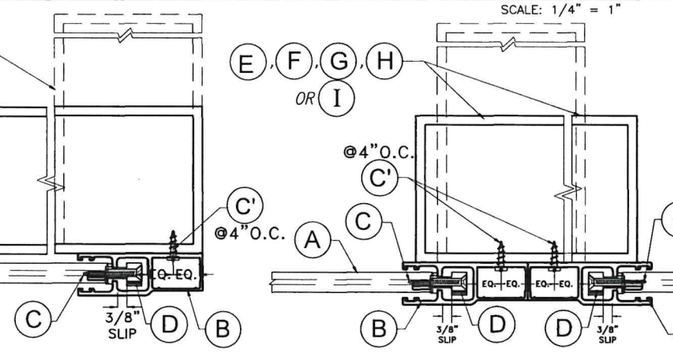
BUILD-OUT MOUNT

INSTALLATION DETAILS INTO EXISTING POURED CONCRETE OR GROUT FILLED CONCRETE BLOCK BUILDINGS

SCALE: 1/4" = 1"

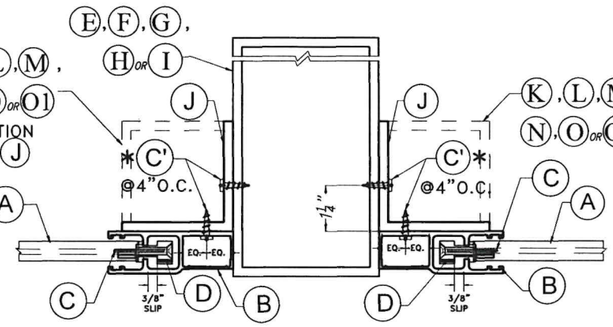


SECTION Q-Q (PLAN)
ORIENTATION #1 or #2
WALL MOUNT END MULLION



SECTION Q-Q (PLAN)
ORIENTATION #2 or #1
WALL MOUNT END MULLION

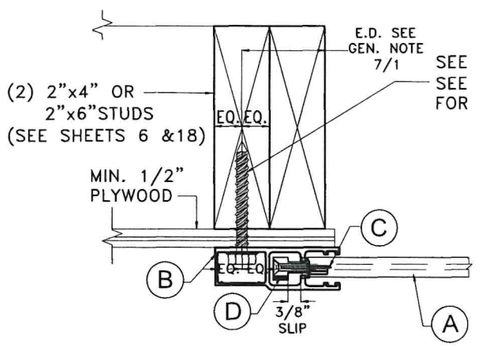
SECTION R-R (PLAN)
ORIENTATIONS #2 or #1
WALL MOUNT INTERIOR MULLION



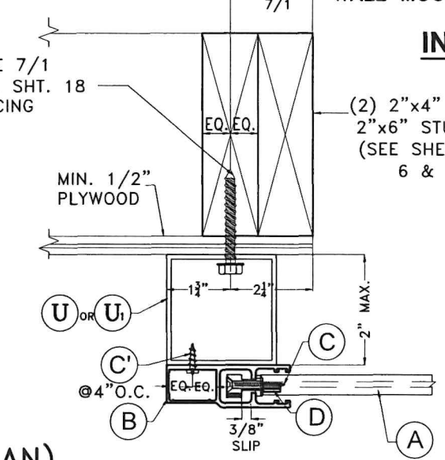
SECTION R'-R' (PLAN)
ORIENTATION #1
TRAPPED MOUNT INTERIOR MULLION

INSTALLATION DETAILS INTO MULLIONS (F), (G), (H) or (I)

SCALE: N.T.S.



FLUSH MOUNT (WALL)



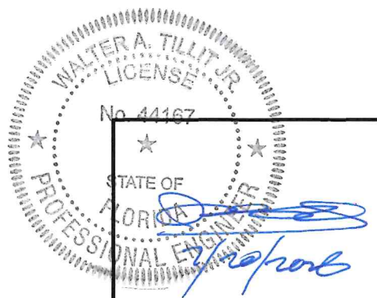
BUILD-OUT MOUNT

SECTIONS O'-O' (PLAN)

INSTALLATION DETAILS INTO EXISTING WOOD BUILDINGS

SCALE: N.T.S.

* ALTERNATIVELY TO (C') A 1/4"ø-20x1" S.S. M.S. W/NUT MAY BE USED FOR THIS CONNECTION



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WALTER A. TILLIT Jr. P.E.
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58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

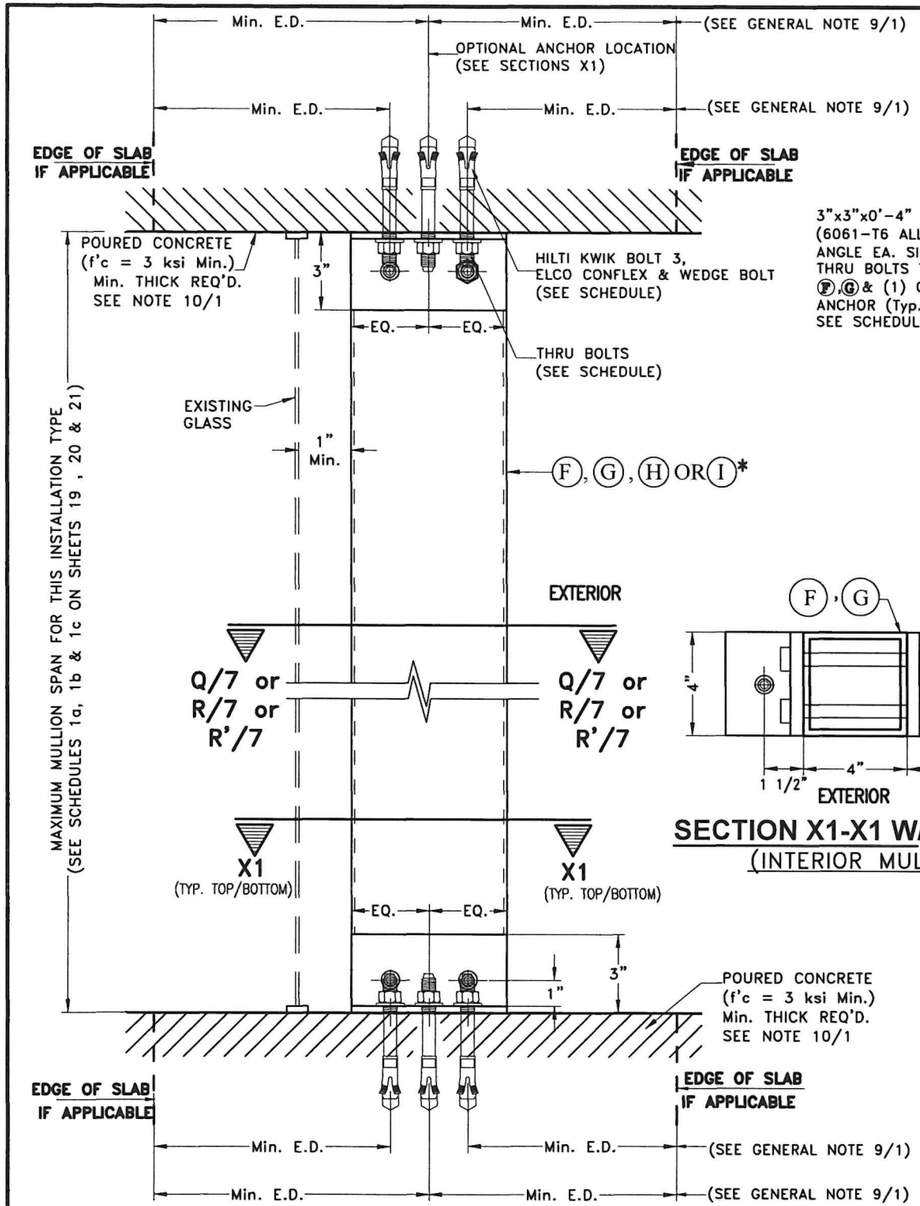
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2	–	–	4	–	–

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SECTIONS W-1

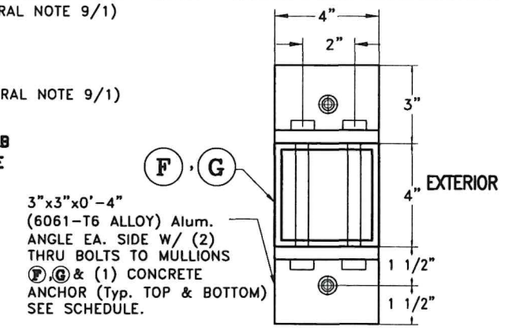
FLOOR TO CEILING / TRAPPED MOUNTING MULLIONS

END & INTERIOR TRAPPED MOUNTED MULLION INSTALLATION ◊

(TO BE USED W/ SCHEDULES 1a, 1b & 1c ON SHEETS 19 , 20 & 21)

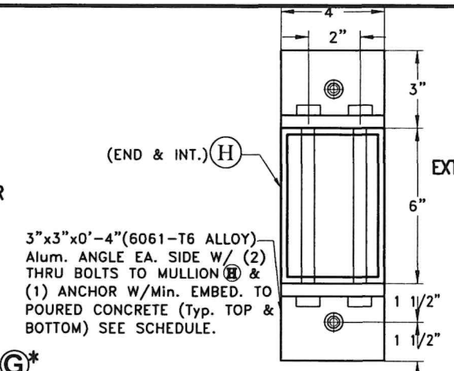
SCALE: 1/8" = 1"

* SIDE RAIL Ⓑ AND BOX NOT SHOWN FOR CLARITY.



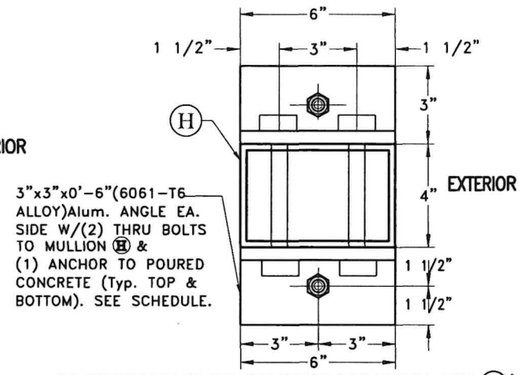
SECTION X1-X1 W/ Ⓕ* OR Ⓖ*

(INTERIOR MULLION)



SECTION X1-X1 W/ Ⓗ*

(END & INTERIOR MULLION)
(W/ ORIENTATION # 1)

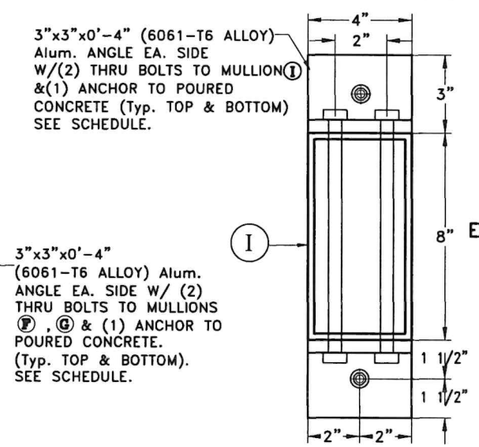


ALTERNATIVE SECTION X1-X1 W/ Ⓗ*

(END & INTERIOR MULLION)
(W/ ORIENTATION # 2)

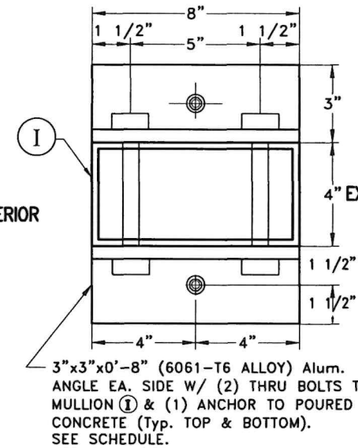
SECTION X1-X1 W/ Ⓕ*, Ⓖ*

(INTERIOR MULLION)

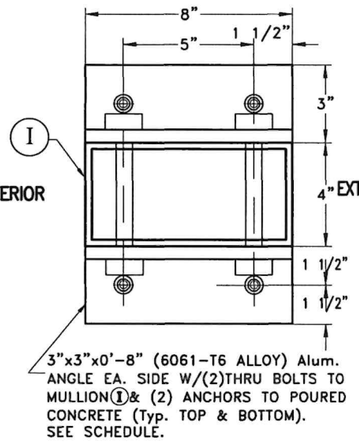


SECTION X1-X1 W/ Ⓘ*

(END & INTERIOR MULLION)
(W/ ORIENTATION # 1)



(INTERIOR MULLION ONLY)



(END MULLION ONLY)

ALTERNATIVES SECTION X1-X1 W/ Ⓘ*

(W/ ORIENTATION # 2)

◊ **NOTE:**
VALID FOR ALL MAX. LOADS & MAX. SPANS EXCEPT SPECIAL **LOW LOAD** AND REDUCED SPAN CONDITIONS PER SHEET 9

MULLION CONNECTION SCHEDULE

MULLION TYPE	REQ'D. ALUMINUM ANGLE THICKNESS	REQ'D. THRU BOLT	REQ'D. CONCRETE ANCHORS & EMBEDMENT	MIN. E.D.
Ⓑ, Ⓘ	3/8"	5/8 ø	3/4ø & 5 1/2" EMBED.	7 3/4"
Ⓕ, Ⓖ	1/4"	1/2 ø	1/2ø & 3 1/2" EMBED.	6"

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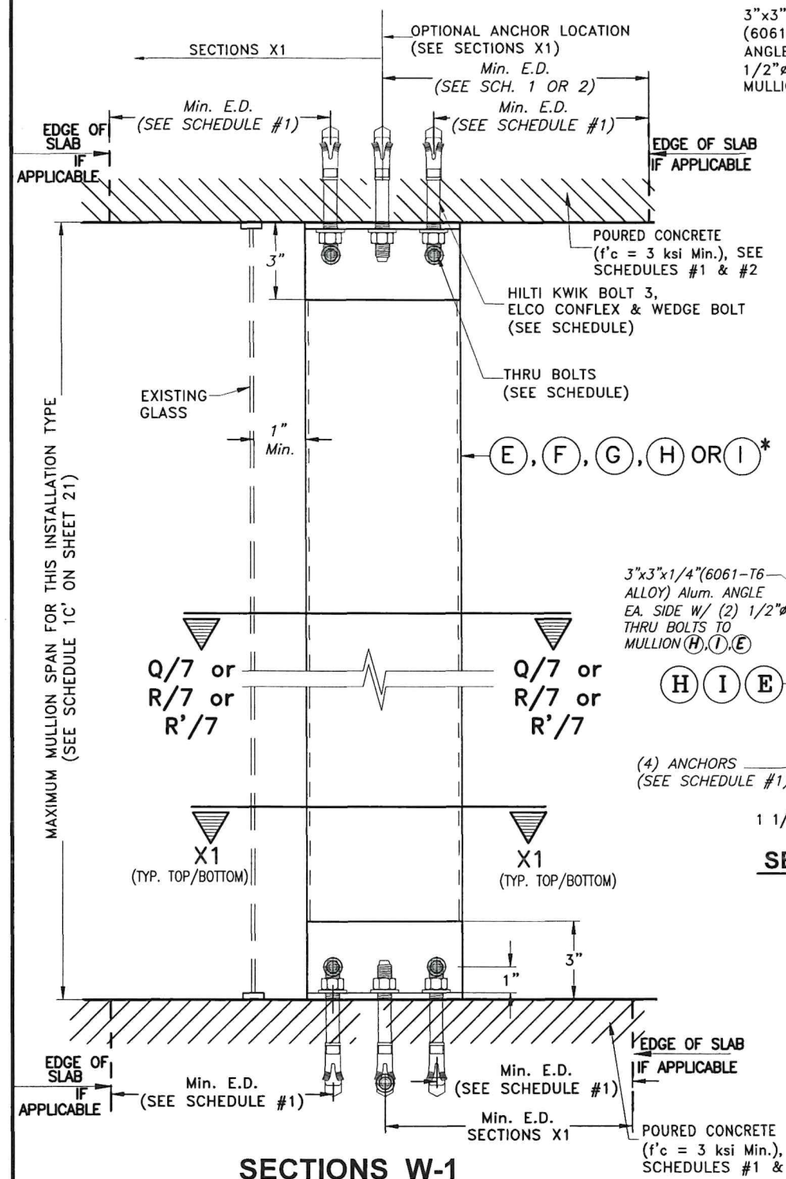
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DATE:

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SHEET 8 OF 21

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	–	–
2	–	–	4	–	–



SECTIONS W-1

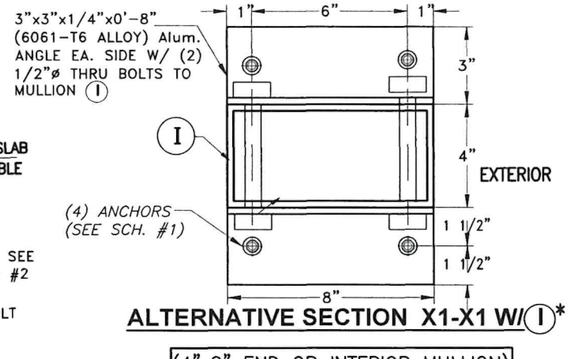
FLOOR TO CEILING / TRAPPED MOUNTING MULLIONS

END & INTERIOR TRAPPED MOUNTED MULLION INSTALLATION ◊ APPLICABLE TO A LIMITED LOAD, LIMITED MULLION SPAN AND LIMITED MULLION SPACING

(TO BE USED W/ SCHEDULE 1c' ON SHEET 21)

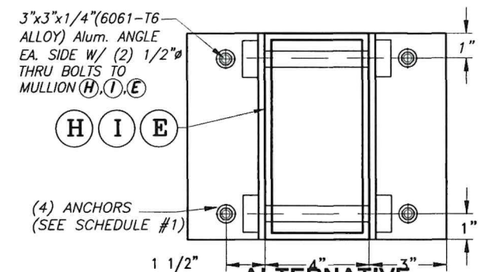
SCALE: 1/8" = 1"

* SIDE RAIL (B) AND BOX NOT SHOWN FOR CLARITY



ALTERNATIVE SECTION X1-X1 W/ (I)*

(4"x8" END OR INTERIOR MULLION) (W/ ORIENTATION # 2)

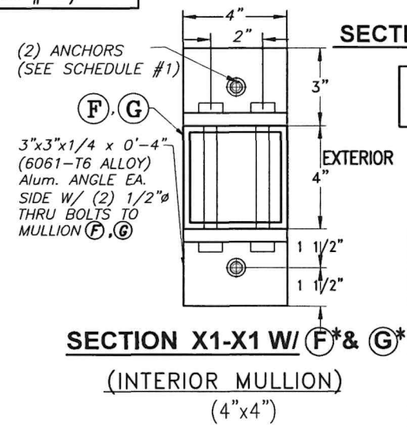


ALTERNATIVE SECTION X1-X1 W/ (H)*,(I)*,(E)*

(INTERIOR MULLION W/ ORIENTATION # 1)

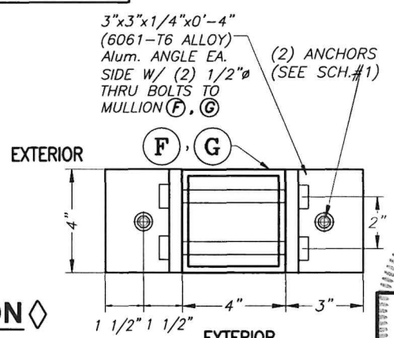
SECTION X1-X1 W/ (H)*,(I)*

INTERIOR MULLION W/ ORIENTATION # 1)



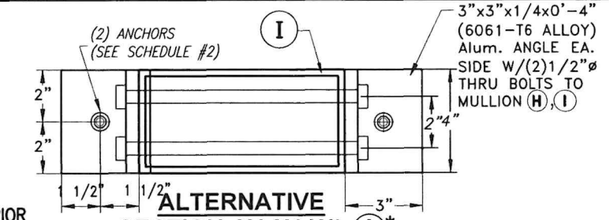
SECTION X1-X1 W/ (F)*& (G)*

(INTERIOR MULLION) (4"x4")



SECTION X1-X1 W/ (F)*& (G)*

(INTERIOR MULLION) (4"x4")



ALTERNATIVE SECTION X1-X1 W/ (I)*

(END & INTERIOR MULLION W/ ORIENTATION # 2)

◊ SEE MAXIMUM(J)(INTERIOR) &(K)(END & INTERIOR) TRAPPED MOUNTED MULLIONS SPAN COVERED BY SCHEDULE 1b' FOR INSTALLATION CASES **I, Ia & II** ON SHEET 21. (LIMITED LOAD, MULLION SPACING AND SPAN INSTALLATION):

INSTALLATION CASE I – RESIDENTIAL AND COMMERCIAL APPLICATIONS WITH ±60.0 p.s.f. MAXIMUM A.S.D. DESIGN PRESSURE RATING, 12'-0" MAXIMUM MULLION SPACING. SEE SCHEDULES #1 & #2 BELOW FOR ADDITIONAL SPECS. FOR REQUIRED ANCHORS.

INSTALLATION CASE Ia – RESIDENTIAL AND COMMERCIAL APPLICATION W/ ±60.0 p.s.f. MAXIMUM A.S.D. DESIGN PRESSURE RATING, 7'-0" MAXIMUM MULLION SPACING. SEE SCHEDULES #1 & #2 BELOW FOR ADDITIONAL SPECS. FOR REQUIRED ANCHORS.

SCHEDULE #1

INSTALLATION CASES ◊	MIN. SLAB THICKNESS REQ'D.	ANCHOR TYPE & SIZE (TYP. TOP & BOTTOM)	MIN. ANCHOR EMBEDMENT	MIN. EDGE DISTANCE FOR ANCHOR
I	4"	3/8"Ø HILTI KWIK BOLT 3 & 3/8"Ø ELCO CONFLEX OR 3/8"Ø POWER WEDGE BOLT FOR (H),(I),(E) (INTERIOR) MULLIONS W/ ORIENTATION #1 & ORIENTATION #2	2 3/8"	4 1/2"
Ia	8"	1/2"Ø HILTI KWIK BOLT 3 FOR (H),(I) (END) MULLIONS W/ ORIENTATION #1 & ORIENTATION #2	3 1/2"	7"
	6"	1/2"Ø CONFLEX OR 1/2"Ø POWER WEDGE BOLT FOR (H) &(I) (END) MULLIONS W/ ORIENTATION #1 & ORIENTATION #2	3 1/2"	6"
II	6"	1/2"Ø HILTI KWIK BOLT 3 FOR (H) &(I) (END) OR (INTERIOR) MULLIONS W/ ORIENTATION #1 OR ORIENTATION #2	3 1/2"	7"
		1/2"Ø CONFLEX SCREW FOR (H) &(I) (END) OR (INTERIOR) MULLIONS W/ ORIENTATION #1 OR ORIENTATION #2	3 1/2"	6"

SCHEDULE #2

INSTALLATION CASES	MIN. SLAB THICKNESS REQ'D.	ANCHOR TYPE & SIZE (TYP. TOP & BOTTOM)	MIN. ANCHOR EMBEDMENT	MIN. EDGE DISTANCE FOR ANCHOR
I & Ia	4"	5/8"Ø KWIK BOLT 3 OR 5/8"Ø CONFLEX SCREW	2 1/2"	7 1/2"

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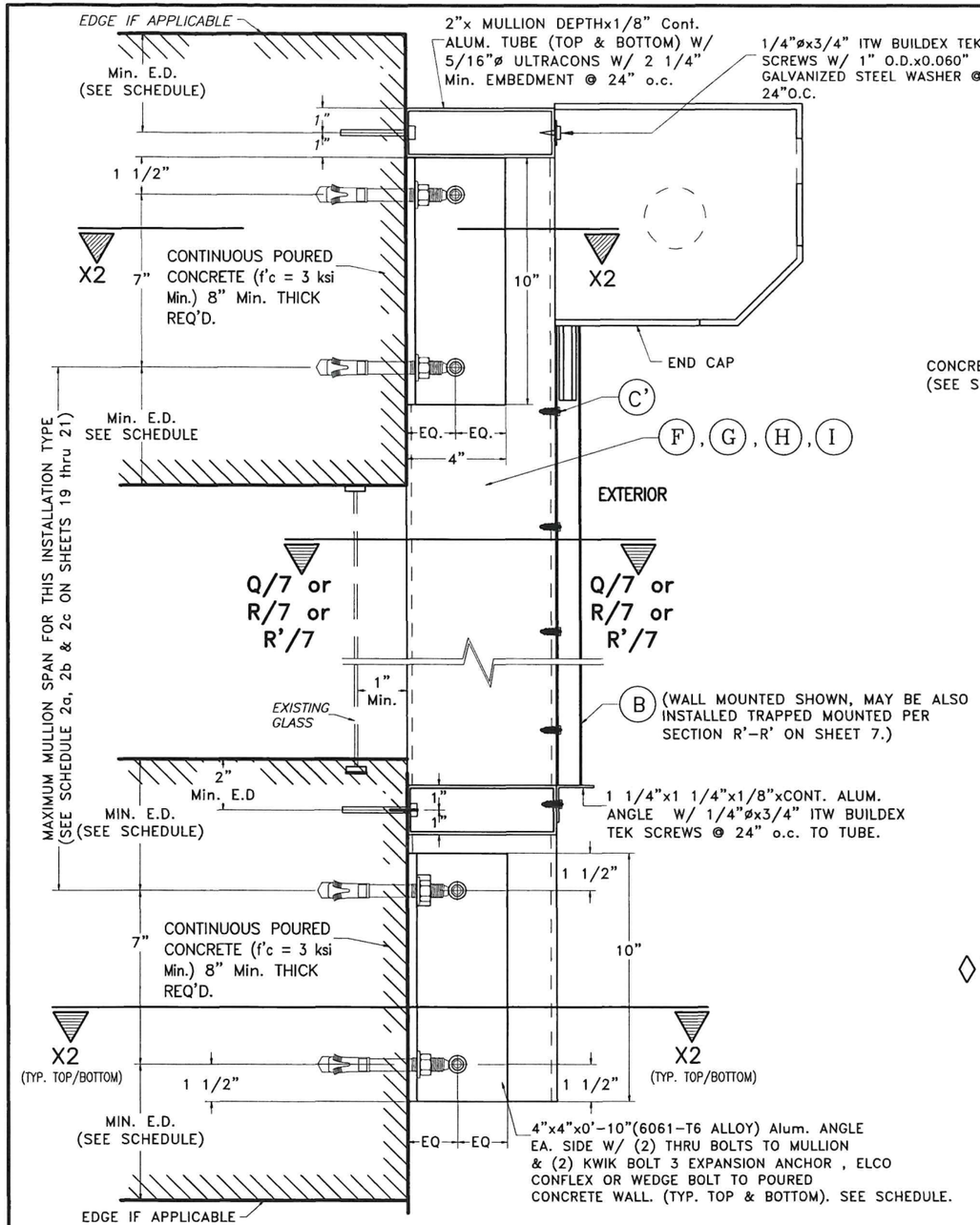
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1	OLD 23-107	6/23/26	3	–	–
2	–	–	4	–	–

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6/23/2026 DATE:
26-057 DRAWING No.
SHEET 9 OF 21

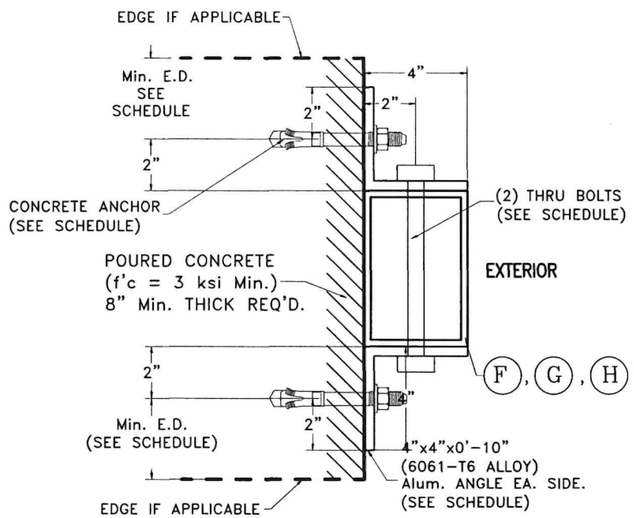


SECTIONS W-2
END & INTERIOR WALL MOUNTED MULLION INSTALLATION ◊

POURED CONCRETE WALL REQUIRED

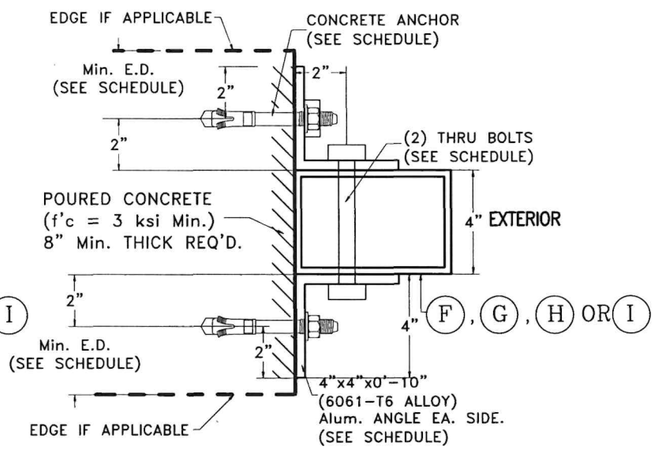
(TO BE USED W/ SCHEDULES 2a, 2b & 2c ON SHEETS 19 THRU 21)

SCALE: 1/8" = 1"



SECTION X2-X2 W/ Ⓕ,Ⓖ,Ⓗ OR Ⓘ

(END & INTERIOR MULLION Ⓗ , Ⓘ or INTERIOR MULLION Ⓕ , Ⓖ (W/ ORIENTATION # 2) (6"x4" , 8"x4" or 4"x4")



ALTERNATIVE SECTION X2-X2 W/ Ⓕ ,Ⓖ,Ⓗ OR Ⓘ

(END & INTERIOR MULLION Ⓗ , Ⓘ or INTERIOR MULLION Ⓕ , Ⓖ (W/ ORIENTATION # 1) (4"x4" , 4"x6" or 4"x8")

NOTE:
◊ VALID FOR ALL MAX. LOADS & MAX. SPANS EXCEPT SPECIAL **LOW LOAD** & REDUCED SPAN CONDITIONS PER SHEET 11

MULLION CONNECTION SCHEDULE

MULLION TYPE	REQ'D. ALUMINUM ANGLE THICKNESS	REQ'D. THRU BOLT	REQ'D. CONCRETE ANCHORS & EMBEDMENT	MIN. E.D.
Ⓗ,Ⓘ	3/8"	5/8 ø	(4) 3/4ø , 5 1/2" EMBED.	7 3/4"
Ⓕ,Ⓖ	1/4"	1/2 ø	(4) 1/2ø , 3 1/2" EMBED.	6"

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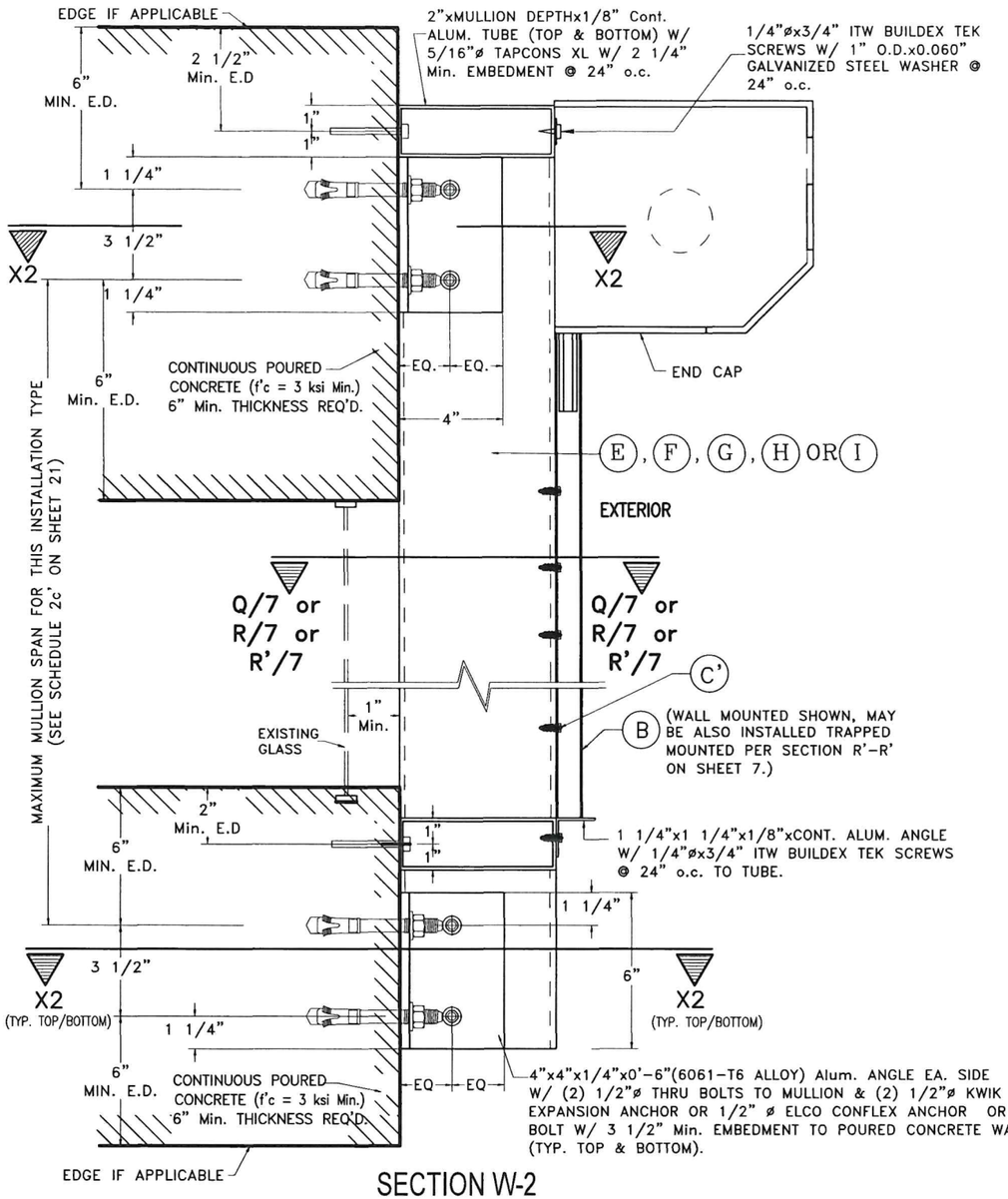
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DATE:
26-057
DRAWING No.
SHEET 10 OF 21



SECTION W-2

WALL MOUNTING : MULLIONS Ⓔ,Ⓕ,Ⓖ,ⒽORⒾ

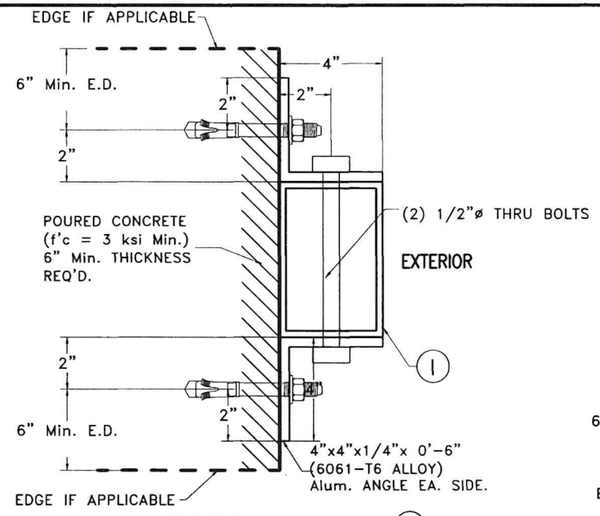
POURED CONCRETE WALL

END & INTERIOR WALL MOUNTED MULLION INSTALLATION ◊

APPLICABLE TO A LIMITED LOAD, LIMITED MULLION SPAN AND LIMITED MULLION SPACING

(TO BE USED W/ SCHEDULE 2c' ON SHEET 21)

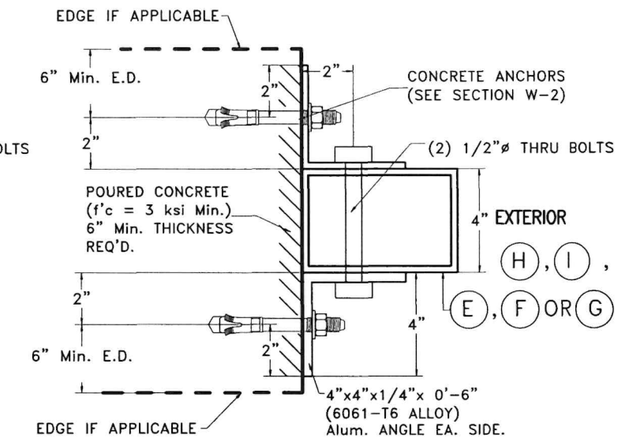
SCALE: 1/8" = 1"



SECTION X2-X2 W/ Ⓘ

(END & INTERIOR MULLION)

(W/ ORIENTATION # 2)



SECTION X2-X2 W/ Ⓔ,Ⓕ,Ⓖ, Ⓗ ORⒾ

(INTERIOR MULLION)

(W/ ORIENTATION # 1)

◊ SEE MAXIMUM Ⓔ,Ⓕ,Ⓖ,Ⓗ, Ⓘ (INTERIOR) & Ⓘ (END & INTERIOR) WALL MOUNTED MULLIONS SPAN COVERED BY SCHEDULE 2c' FOR INSTALLATION CASES I' & II' ON SHEET 21 AS FOLLOWS: (LIMITED LOAD, LIMITED MULLION SPACING AND LIMITED SPAN INSTALLATION):

INSTALLATION CASE **I'** - RESIDENTIAL AND COMMERCIAL APPLICATIONS WITH ±60.0 p.s.f. MAXIMUM A.S.D. DESIGN PRESSURE RATING, 12'-0" MAXIMUM MULLION SPACING.

INSTALLATION CASE **II'** - COMMERCIAL APPLICATION FOR ±100.0 p.s.f. MAXIMUM A.S.D. DESIGN PRESSURE RATING, 7'-0" MAXIMUM MULLION SPACING.

WALTER A. TILLIT JR LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (NON HIGH VELOCITY HURRICANE ZONE)

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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
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FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	-	-
2	-	-	4	-	-

W.H.
DRAWN BY:

6/23/2026
DATE:

26-057
DRAWING No.

TYPICAL MANDATORY PROCEDURE FOR VERIFYING PRODUCT CODE COMPLIANCE RELATED TO ITS INSTALLATION INTO EXISTING POURED CONCRETE OR GROUT FILLED CELL CONCRETE BLOCK STRUCTURES (*)

STEP 1: OBTAIN JOB SITE'S A.S.D. DESIGN PRESSURE RATING (p.s.f.) FOR THE OPENING AND DESIRED SLAT SPAN "L" (ft) TO PROTECT IT (SEE GENERAL NOTE #2, SHEET 1).

STEP 2: ENTER TO CHARTS **Ia, Ib, Ic & Id** ON SHEET 13, CHARTS **Ia', Ib', Ic'** ON SHEET 13A AND CHARTS **Ie', If', Ig'** ON SHEET 13B TO DETERMINE, BASED ON AN 3/8" SLAT SLIP (in), ANCHOR TYPE AT SIDE RAILS AND A.S.D. DESIGN PRESSURE RATING (p.s.f.) THE REQUIRED MAX SLAT SPAN "L" ft .

THE FOLLOWING INFORMATION IS PROVIDED AT ABOVE REFERENCED CHARTS TO PROCEED WITH PRODUCT INSTALLATION VERIFICATION:

- ENTER A.S.D. DESIGN PRESSURE RATING: SEE STEP (1) ABOVE.
- FOR A SPECIFIC PRODUCT MOUNTING INSTALLATION TYPE, INCLUDING ANCHOR TYPE, THE FOLLOWING DEFINITION FOR SLAT SPAN SHALL BE CONSIDERED:

  L_{MAX}: THIS IS THE MAXIMUM ALLOWABLE SLAT SPAN FOR WHICH A GIVEN 3/8" SLAT SLIP MAY BE USED, FOR A GIVEN A.S.D. DESIGN PRESSURE RATING, AND MOUNTING TYPE.

- MINIMUM REQUIRED SEPARATION TO GLASS IS PROVIDED ON CHARTS **Ie , Id' & Ig'** ON SHEETS 13 , 13A & 13B RESPECTIVELY.

STEP 3: OBTAIN INFORMATION ON PRODUCT'S SIDE RAIL ANCHOR SPACING REQUIREMENTS FOR CONNECTION TO EXISTING STRUCTURE FROM ANCHOR SCHEDULES Va & Va' ON SHEET 14 & 15, RESPECTIVELY. ENTER SCHEDULES WITH ANCHOR TYPE, SUBSTRATE, MOUNTING TYPE, A.S.D. DESIGN PRESSURE RATING & SLAT SPAN AND OBTAIN MAXIMUM ANCHOR SPACING (INCHES ON CENTERS). SEE GENERAL NOTE 7 ON SHEET 1 FOR ANCHOR SPECS.

STEP 4: IF PRODUCT INSTALLATION INCLUDES MULLIONS, THE FOLLOWING MANDATORY ADDITIONAL PROCEDURE IS APPLICABLE.

1. MINIMUM SEPARATION TO GLASS FOR SLATS IF MULLIONS ARE USED SHALL BE BASED ON CHART Id ON SHEET 13. IT SHALL BE MEASURED FROM BACK OF SLATS TO GLASS.
2. ENTER SCHEDULES 1a THRU 2c ON SHEETS 19, 20 & 21 W/ A.S.D. DESIGN LOAD; MAXIMUM MULLION SPACING (MAX., 12', OR 7'), AND DETERMINE MAXIMUM MULLIONS SPAN (HEIGHT) W/ ALLOWABLE INTERPOLATION IN BETWEEN SPACING'S FOR A GIVEN MULLION TYPE & MULLION ORIENTATION.
3. SEE SHEETS 8, 9 FOR TRAPPED MOUNTED MULLIONS AND SHEETS 10 & 11 FOR WALL MOUNTED MULLION CONNECTION DETAILS AT TOP & BOTTOM FOR FLOOR TO CEILING (TRAPPED) OR WALL MOUNTINGS OF MULLIONS INTO CONCRETE FOR A GIVEN MULLION TYPE.

* PROCEDURE PER STEPS 1 THRU 3 IS SIMILAR FOR INSTALLATIONS INTO WOOD FRAME STRUCTURES. SEE SHEETS 17 & 18 FOR LIMITATIONS APPLICABLE TO INSTALLATIONS INTO WOOD FRAME STRUCTURES. (NO MULLIONS ALLOWED, NO TRAPPED MOUNT SHUTTER ALLOWED).

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2	-	-	4	-	-

W.H.
DRAWN BY:

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26-057
DRAWING No.

SLAT PERFORMANCE CHARTS Ia, Ib, Ic, Id & Ie: (ONLY VALID FOR 3/8" SLIP).

(SEE SHTS. 13A & 13B FOR GROUTED BLOCK SUBSTRATE AND SEE SHEET 17 FOR WOOD SUBSTRATE)

FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f), PRODUCT MOUNT CONDITION INCLUDING ANCHOR TYPE *

MAX. A.S.D. DESIGN PRESSURE RATING (psf)	CHART Ia — 3/8"Ø CONFLEX OR 3/8"Ø KWIK BOLT 3 ANCHORS TO POURED CONCRETE — MAX. SLAT SPAN "LMAX." (FT)					CHART Ib — 3/8"Ø WEDGE BOLT ANCHOR TO POURED CONCRETE — MAX. SLAT SPAN "LMAX." (FT)					CHART Ic — 5/16"Ø ULTRACON OR 3/8"Ø LDT ANCHOR TO POURED CONCRETE — MAX. SLAT SPAN "LMAX." (FT)					CHART Id — 3/8 " Ø SCREW BOLT TO POURED CONCRETE — MAX. SLAT SPAN "LMAX." (FT)					CHART Ie — USE MAXIMUM POSITIVE A.S.D. LOAD VALUE — REQUIRED MIN. SEPARATION TO GLASS MEASURED TO BACK OF SLAT (in)	
	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ, Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ, Ⓤ & Ⓤ1	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ, Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ, Ⓤ & Ⓤ1	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ, Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ, Ⓤ & Ⓤ1	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ, Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ, Ⓤ & Ⓤ1	ZONE 1, 2 & 3	ZONE 4
25.0	24'–0"	24'–0"	15'–0"	19'–0"	18'–0"	24'–0"	24'–0"	13'–6"	17'–0"	15'–0"	24'–0"	19'–0"	11'–0"	14'–0"	12'–0"	24'–0"	24'–0"	15'–0"	19'–0"	18'–0"	1"	12"
30.0	22'–0"	22'–0"	13'–6"	18'–0"	15'–0"	22'–0"	22'–0"	12'–0"	16'–0"	13'–0"	21'–0"	17'–0"	10'–0"	12'–6"	11'–0"	22'–0"	22'–0"	13'–6"	18'–0"	15'–0"	1"	12"
35.0	19'–0"	19'–0"	12'–0"	16'–5"	14'–0"	19'–0"	19'–0"	11'–0"	14'–5"	12'–0"	19'–0"	15'–0"	9'–6"	11'–6"	10'–6"	19'–0"	19'–0"	12'–0"	16'–5"	14'–0"	1"	12"
40.0	17'–6"	17'–6"	11'–0"	15'–0"	13'–0"	17'–6"	17'–6"	10'–0"	13'–0"	11'–0"	17'–0"	14'–0"	9'–0"	10'–6"	10'–0"	17'–6"	17'–6"	11'–0"	15'–0"	13'–0"	1"	11"
45.0	16'–0"	16'–0"	10'–6"	13'–9"	12'–0"	16'–0"	16'–0"	9'–6"	11'–9"	10'–6"	15'–6"	13'–0"	8'–6"	10'–0"	9'–6"	16'–0"	16'–0"	10'–6"	13'–9"	12'–0"	1"	11"
50.0	15'–0"	15'–0"	10'–0"	12'–6"	11'–0"	15'–0"	15'–0"	9'–0"	11'–6"	10'–0"	14'–0"	12'–0"	8'–0"	9'–6"	9'–0"	15'–0"	15'–0"	10'–0"	12'–6"	11'–0"	1"	11"
55.0	14'–0"	14'–0"	9'–6"	11'–9"	10'–6"	14'–0"	14'–0"	8'–6"	10'–9"	9'–6"	13'–6"	11'–6"	7'–9"	9'–0"	8'–6"	14'–0"	14'–0"	9'–6"	11'–9"	10'–6"	1"	11"
60.0	13'–3"	13'–3"	9'–0"	11'–0"	10'–0"	13'–3"	13'–3"	8'–0"	10'–0"	9'–0"	13'–0"	11'–0"	7'–6"	8'–6"	8'–0"	13'–3"	13'–3"	9'–0"	11'–0"	10'–0"	1"	11"
65.0	12'–6"	12'–6"	8'–8"	10'–8"	9'–6"	12'–6"	12'–6"	7'–9"	9'–8"	8'–9"	12'–0"	10'–7"	7'–3"	8'–3"	7'–9"	12'–6"	12'–6"	8'–8"	10'–8"	9'–6"	1"	11"
70.0	12'–0"	12'–0"	8'–5"	10'–3"	9'–0"	12'–0"	12'–0"	7'–7"	9'–3"	8'–5"	11'–0"	10'–2"	6'–11"	8'–0"	7'–5"	12'–0"	12'–0"	8'–5"	10'–3"	9'–0"	1"	11"
75.0	11'–4"	11'–4"	8'–3"	9'–10"	8'–9"	11'–4"	11'–4"	7'–5"	8'–10"	8'–2"	10'–4"	9'–6"	6'–8"	7'–9"	7'–2"	11'–4"	11'–4"	8'–3"	9'–10"	8'–9"	1"	11"
80.0	11'–0"	11'–0"	8'–0"	9'–6"	8'–6"	11'–0"	11'–0"	7'–3"	8'–6"	8'–0"	9'–10"	9'–0"	6'–6"	7'–6"	7'–0"	11'–0"	11'–0"	8'–0"	9'–6"	8'–6"	1"	8"
85.0	10'–6"	10'–6"	7'–8"	9'–4"	8'–3"	10'–6"	10'–6"	7'–1"	8'–3"	7'–9"	9'–7"	8'–9"	6'–5"	7'–3"	6'–11"	10'–6"	10'–6"	7'–8"	9'–4"	8'–3"	1"	8"
90.0	10'–2"	10'–2"	7'–5"	8'–10"	7'–11"	10'–2"	10'–2"	6'–10"	8'–0"	7'–5"	9'–4"	8'–6"	6'–3"	7'–0"	6'–9"	10'–2"	10'–2"	7'–5"	8'–10"	7'–11"	1"	8"
95.0	9'–9"	9'–9"	7'–2"	8'–5"	7'–8"	9'–9"	9'–9"	6'–8"	7'–9"	7'–3"	9'–2"	8'–3"	6'–1"	6'–9"	6'–7"	9'–9"	9'–9"	7'–2"	8'–5"	7'–8"	1"	8"
100.0	9'–5"	9'–5"	7'–0"	8'–0"	7'–6"	9'–5"	9'–5"	6'–6"	7'–6"	7'–0"	9'–0"	8'–0"	6'–0"	6'–6"	6'–6"	9'–5"	9'–5"	7'–0"	8'–0"	7'–6"	1"	6"
105.0	9'–2"	9'–2"	6'–11"	7'–10"	7'–4"	9'–2"	9'–2"	6'–5"	7'–4"	6'–11"	8'–9"	7'–9"	5'–11"	6'–5"	6'–5"	9'–2"	9'–2"	6'–11"	7'–10"	7'–4"	1"	6"
110.0	9'–0"	9'–0"	6'–10"	7'–8"	7'–2"	9'–0"	9'–0"	6'–5"	7'–2"	6'–10"	8'–6"	7'–7"	5'–11"	6'–4"	6'–4"	9'–0"	9'–0"	6'–10"	7'–8"	7'–2"	1"	6"
115.0	8'–9"	8'–9"	6'–9"	7'–6"	6'–11"	8'–9"	8'–9"	6'–4"	7'–0"	6'–9"	8'–3"	7'–5"	5'–10"	6'–3"	6'–3"	8'–9"	8'–9"	6'–9"	7'–6"	6'–11"	1"	6"
120.0	8'–6"	8'–6"	6'–8"	7'–4"	6'–9"	8'–6"	8'–6"	6'–4"	6'–10"	6'–8"	8'–0"	7'–3"	5'–10"	6'–2"	6'–2"	8'–6"	8'–6"	6'–8"	7'–4"	6'–9"	1"	6"
125.0	8'–3"	8'–3"	6'–7"	7'–2"	6'–7"	8'–3"	8'–3"	6'–4"	6'–8"	6'–7"	7'–9"	7'–1"	5'–9"	6'–1"	6'–1"	8'–3"	8'–3"	6'–7"	7'–2"	6'–7"	1"	6"
130.0	8'–0"	8'–0"	6'–6"	7'–0"	6'–6"	8'–0"	8'–0"	6'–3"	6'–6"	6'–6"	7'–6"	7'–0"	5'–9"	6'–0"	6'–0"	8'–0"	8'–0"	6'–6"	7'–0"	6'–6"	1"	6"
135.0	7'–10"	7'–10"	6'–4"	6'–10"	6'–5"	7'–10"	7'–10"	6'–1"	6'–5"	6'–5"	7'–3"	6'–10"	5'–8"	5'–11"	5'–11"	7'–10"	7'–10"	6'–4"	6'–10"	6'–5"	1"	6"
140.0	7'–6"	7'–6"	6'–2"	6'–8"	6'–4"	7'–6"	7'–6"	6'–0"	6'–4"	6'–3"	7'–0"	6'–8"	5'–8"	5'–10"	5'–10"	7'–6"	7'–6"	6'–2"	6'–8"	6'–4"	1"	6"
145.0	7'–3"	7'–3"	5'–11"	6'–6"	6'–3"	7'–3"	7'–3"	5'–9"	6'–4"	6'–1"	6'–9"	6'–6"	5'–7"	5'–9"	5'–9"	7'–3"	7'–3"	5'–11"	6'–6"	6'–3"	1"	6"
150.0	7'–0"	7'–0"	5'–9"	6'–4"	6'–2"	7'–0"	7'–0"	5'–8"	6'–3"	5'–9"	6'–6"	6'–4"	5'–7"	5'–8"	5'–8"	7'–0"	7'–0"	5'–9"	6'–4"	6'–2"	1"	6"
155.0	6'–6"	6'–6"	5'–8"	6'–2"	6'–1"	6'–6"	6'–6"	5'–7"	6'–2"	5'–7"	6'–3"	6'–2"	5'–6"	5'–7"	5'–7"	6'–6"	6'–6"	5'–8"	6'–2"	6'–1"	1"	6"
160.0	6'–1"	6'–1"	5'–6"	6'–1"	6'–1"	6'–1"	6'–1"	5'–6"	6'–1"	5'–6"	6'–1"	6'–1"	5'–6"	5'–6"	5'–6"	6'–1"	6'–1"	5'–6"	6'–1"	6'–1"	1"	6"

* ***NOTES:***

1. *ABOVE INDICATED MAX. SLAT SPANS MAY BE USED AS LONG AS ANCHOR SPACING SCHEDULES ON SHEETS 14, 15 INDICATE THAT AN ANCHOR SPACING IS AVAILABLE FOR THE CORRESPONDING SLAT SPAN AND A.S.D. DESIGN PRESSURE RATING.*
2. *REQUIRES SIDE RAILS FASTENED WITH **3/8"ø KWIK BOLT 3 , 5/16"ø ULTRACON, 3/8"ø ELCO CONFLEX , 3/8"ø WEDGE BOLT OR 3/8"ø SCREW BOLT** INTO POURED CONCRETE WITH Ⓒ AT MULLIONS CONNECTION. VALID FOR WALL MOUNTED, TRAPPED MOUNTED, AND BUILD-OUT MOUNTED SLATS.*
3. *MAXIMUM SLAT SPANS FOR INTERMEDIATE LOADS MAY BE DETERMINED BY LINEAR INTERPOLATION BETWEEN END VALUES. NO INTERPOLATION IS ALLOWED FOR SEPARATION TO GLASS.*
4. *WIND ZONES 1 THRU 4 AS DEFINED BY ASTM E-1996 STANDARD.*

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER 2/20/2026

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W.H.
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6/23/2026
DATE:
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SLAT PERFORMANCE CHARTS Ia', Ib', Ic'& Id': (ONLY VALID FOR 3/8" SLIP).

(SEE SHT. 13 FOR CONCRETE SUBSTRATE , SEE SHT. 13B FOR ADDITIONAL GROUTED BLOCK SUBSTRATE & SEE SHEET 17 FOR WOOD SUBSTRATE)

FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f), PRODUCT MOUNT CONDITION INCLUDING ANCHOR TYPE*

MAX. A.S.D. DESIGN PRESSURE RATING (psf)	CHART Ia'					CHART Ib'					CHART Ic'					CHART Id'	
	3/8"Ø LDT ANCHOR TO GROUTED BLOCK					3/8"Ø WEDGE BOLT OR 3/8"Ø DYNABOLT SLEEVE TO GROUTED BLOCK					5/16"Ø ULTRACON ANCHOR TO GROUTED BLOCK					USE MAXIMUM POSITIVE A.S.D. LOAD VALUE	
	MAX. SLAT SPAN "LMAX." (FT)					MAX. SLAT SPAN "LMAX." (FT)					MAX. SLAT SPAN "LMAX." (FT)					REQUIRED MIN. SEPARATION TO GLASS MEASURED TO BACK OF SLAT (in)	
	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ,Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ,Ⓤ &Ⓤ1	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ,Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ,Ⓤ &Ⓤ1	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ,Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ,Ⓤ &Ⓤ1	ZONE 1, 2 & 3	ZONE 4
25.0	22'-0"	14'-0"	10'-0"	11'-0"	10'-6"	17'-0"	14'-0"	10'-0"	11'-6"	10'-6"	16'-0"	14'-0"	9'-6"	11'-0"	10'-0"	1"	12"
30.0	19'-0"	13'-0"	9'-0"	10'-6"	9'-6"	14'-6"	12'-0"	9'-0"	10'-6"	9'-6"	14'-0"	12'-0"	9'-0"	10'-0"	9'-6"	1"	12"
35.0	17'-0"	12'-0"	8'-6"	9'-6"	9'-0"	13'-0"	11'-0"	8'-6"	9'-6"	9'-0"	12'-6"	11'-0"	8'-6"	8'-10"	9'-0"	1"	12"
40.0	15'-0"	11'-0"	8'-0"	9'-0"	8'-6"	11'-6"	10'-0"	8'-0"	9'-0"	8'-6"	11'-6"	10'-0"	8'-0"	8'-6"	8'-6"	1"	12"
45.0	13'-9"	10'-3"	7'-9"	8'-6"	8'-3"	10'-10"	9'-6"	7'-9"	8'-6"	8'-3"	11'-0"	9'-6"	7'-9"	8'-3"	8'-3"	1"	11"
50.0	12'-6"	9'-6"	7'-6"	8'-0"	8'-0"	10'-3"	9'-0"	7'-6"	8'-0"	8'-0"	10'-0"	9'-0"	7'-6"	8'-0"	8'-0"	1"	11"
55.0	11'-3"	8'-9"	7'-3"	7'-9"	7'-9"	9'-10"	8'-9"	7'-3"	7'-9"	7'-9"	9'-6"	8'-9"	7'-3"	7'-9"	7'-9"	1"	11"
60.0	10'-0"	8'-0"	7'-0"	7'-6"	7'-6"	9'-6"	8'-6"	7'-0"	7'-6"	7'-6"	9'-3"	8'-6"	7'-0"	7'-6"	7'-6"	1"	11"
65.0	9'-9"	7'-10"	6'-8"	7'-4"	7'-4"	9'-2"	8'-3"	6'-8"	7'-4"	7'-4"	9'-0"	8'-3"	6'-8"	7'-3"	7'-4"	1"	11"
70.0	9'-6"	7'-8"	6'-5"	7'-2"	6'-11"	8'-8"	8'-0"	6'-5"	7'-2"	6'-11"	8'-6"	8'-0"	6'-5"	7'-0"	6'-11"	1"	11"
75.0	9'-3"	7'-7"	6'-2"	6'-10"	6'-8"	8'-4"	7'-9"	6'-2"	6'-10"	6'-8"	8'-0"	7'-9"	6'-2"	6'-9"	6'-8"	1"	11"
80.0	9'-0"	7'-6"	6'-0"	6'-6"	6'-6"	8'-0"	7'-6"	6'-0"	6'-6"	6'-6"	7'-6"	7'-6"	6'-0"	6'-7"	6'-6"	1"	11"
85.0	8'-9"	7'-3"	5'-11"	6'-5"	6'-5"	7'-9"	7'-3"	5'-11"	6'-5"	6'-5"	7'-3"	7'-3"	5'-10"	6'-5"	6'-5"	1"	8"
90.0	8'-6"	7'-0"	5'-10"	6'-3"	6'-3"	7'-6"	7'-0"	5'-10"	6'-3"	6'-3"	7'-0"	7'-0"	5'-8"	6'-3"	6'-3"	1"	8"
95.0	8'-3"	6'-9"	5'-8"	6'-1"	6'-1"	7'-3"	6'-9"	5'-8"	6'-1"	6'-1"	6'-11"	6'-9"	5'-7"	6'-1"	6'-1"	1"	8"
100.0	8'-0"	6'-6"	5'-6"	6'-0"	6'-0"	7'-0"	6'-6"	5'-6"	6'-0"	6'-0"	6'-10"	6'-6"	5'-6"	6'-0"	6'-0"	1"	8"
105.0	7'-9"	6'-5"	5'-5"	5'-11"	5'-11"	6'-11"	6'-5"	5'-5"	5'-11"	5'-11"	6'-9"	6'-5"	5'-5"	5'-11"	5'-11"	1"	6"
110.0	7'-6"	6'-4"	5'-5"	5'-10"	5'-10"	6'-10"	6'-3"	5'-5"	5'-10"	5'-10"	6'-9"	6'-3"	5'-5"	5'-10"	5'-9"	1"	6"
115.0	7'-2"	6'-3"	5'-4"	5'-9"	5'-9"	6'-9"	6'-1"	5'-4"	5'-9"	5'-9"	6'-8"	6'-1"	5'-4"	5'-9"	5'-8"	1"	6"
120.0	6'-10"	6'-2"	5'-3"	5'-8"	5'-8"	6'-8"	6'-0"	5'-3"	5'-8"	5'-8"	6'-6"	6'-0"	5'-4"	5'-8"	5'-7"	1"	6"
125.0	6'-9"	6'-1"	5'-3"	5'-7"	5'-7"	6'-7"	5'-6"	5'-3"	5'-7"	5'-7"	6'-3"	5'-6"	5'-3"	5'-7"	5'-6"	1"	6"
130.0	6'-9"	6'-0"	5'-2"	5'-6"	5'-6"	6'-6"	5'-0"	5'-2"	5'-6"	5'-6"	6'-0"	5'-0"	5'-3"	5'-6"	5'-5"	1"	6"
135.0	6'-7"	5'-11"	5'-2"	5'-5"	5'-5"	6'-4"	4'-10"	5'-2"	5'-5"	5'-5"	5'-10"	4'-10"	5'-3"	5'-5"	5'-4"	1"	6"
140.0	6'-6"	5'-10"	5'-2"	5'-4"	5'-3"	6'-2"	4'-8"	5'-2"	5'-4"	5'-3"	5'-9"	4'-8"	5'-2"	5'-4"	5'-3"	1"	6"
145.0	6'-5"	5'-9"	5'-1"	5'-3"	5'-2"	6'-0"	4'-6"	5'-1"	5'-3"	5'-2"	5'-8"	4'-6"	5'-2"	5'-3"	5'-2"	1"	6"
150.0	6'-3"	5'-8"	5'-1"	5'-2"	5'-1"	5'-10"	4'-4"	5'-1"	5'-2"	5'-1"	5'-8"	4'-4"	5'-1"	5'-2"	5'-1"	1"	6"
155.0	6'-2"	5'-7"	5'-0"	5'-1"	5'-0"	5'-8"	4'-2"	5'-0"	5'-1"	5'-0"	5'-7"	4'-2"	5'-0"	5'-1"	5'-0"	1"	6"
160.0	6'-0"	5'-6"	5'-0"	5'-0"	5'-0"	5'-6"	4'-0"	5'-0"	5'-0"	5'-0"	5'-6"	4'-0"	5'-0"	5'-0"	5'-0"	1"	6"

* ***NOTES:***

1. *ABOVE INDICATED MAX. SLAT SPANS MAY BE USED AS LONG AS ANCHOR SPACING SCHEDULE ON SHEET 15 INDICATE THAT AN ANCHOR SPACING IS AVAILABLE FOR THE CORRESPONDING SLAT SPAN AND A.S.D. DESIGN PRESSURE RATING.*

2. *REQUIRES SIDE RAILS FASTENED WITH **5/16"ø ULTRACON, 3/8"ø LDT , 3/8"ø DYNABOLT SLEEVE OR 3/8"ø WEDGE BOLT** INTO GROUT FILLED CELL CONCRETE BLOCK WITH Ⓒ AT MULLIONS CONNECTION. VALID FOR WALL MOUNTED, TRAPPED MOUNTED, AND BUILD-OUT MOUNTED SLATS.*

3. *MAXIMUM SLAT SPANS FOR INTERMEDIATE LOADS MAY BE DETERMINED BY LINEAR INTERPOLATION BETWEEN END VALUES. NO INTERPOLATION ALLOWED FOR SEPARATION TO GLASS.*

4. *WIND ZONES 1 THRU 4 AS DEFINED BY ASTM E-1996 STANDARD.*

WALTER A. TILLIT JR LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

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CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	-	-
2	-	-	4	-	-

W.H.
DRAWN BY:
6/23/2026
DATE:
26-057
DRAWING No.
SHEET13AOF 21

SLAT PERFORMANCE CHARTS Ie', If' & Ig': (ONLY VALID FOR 3/8" SLIP).

(SEE SHT. 13 FOR CONCRETE SUBSTRATE , SEE SHT. 13A FOR ADDITIONAL GROUTED BLOCK SUBSTRATE & SEE SHEET 17 FOR WOOD SUBSTRATE)

FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f), PRODUCT MOUNT CONDITION INCLUDING ANCHOR TYPE*

MAX. A.S.D. DESIGN PRESSURE RATING (psf)	CHART Ie'					CHART If'					CHART Ig'	
	3/8"Ø KWIK BOLT 3 TO GROUT FILLED CELL CONCRETE BLOCK					3/8"Ø SCREW BOLT TO GROUTED BLOCK					USE MAXIMUM POSITIVE A.S.D. LOAD VALUE	
	MAX. SLAT SPAN "LMAX." (FT)					MAX. SLAT SPAN "LMAX." (FT)					REQUIRED MIN. SEPARATION TO GLASS MEASURED TO BACK OF SLAT (in)	
	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ, Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ, Ⓤ & Ⓤh	WALL MOUNT	TRAPPED MOUNT	BUILD-OUT MOUNT W/ Ⓡ, Ⓠ OR Ⓣ	BUILD-OUT MOUNT W/ Ⓟ	BUILD-OUT MOUNT W/ Ⓢ, Ⓤ & Ⓤh	ZONE 1, 2 & 3	ZONE 4
25.0	24'-0"	24'-0"	14'-0"	17'-0"	16'-0"	22'-0"	24'-0"	13'-0"	15'-0"	14'-0"	1"	12"
30.0	22'-0"	22'-0"	13'-0"	16'-0"	14'-0"	19'-0"	22'-0"	12'-0"	14'-0"	13'-0"	1"	12"
35.0	19'-0"	19'-0"	12'-0"	14'-6"	13'-0"	17'-0"	19'-0"	11'-0"	12'-6"	11'-6"	1"	12"
40.0	17'-6"	17'-6"	11'-0"	13'-0"	12'-0"	15'-0"	17'-6"	10'-0"	11'-0"	11'-0"	1"	12"
45.0	16'-0"	16'-0"	10'-0"	12'-6"	11'-0"	13'-9"	16'-0"	9'-6"	10'-6"	10'-0"	1"	11"
50.0	15'-0"	15'-0"	9'-0"	11'-6"	10'-6"	12'-6"	15'-0"	9'-0"	10'-0"	9'-0"	1"	11"
55.0	14'-0"	14'-0"	8'-9"	10'-6"	10'-0"	11'-3"	14'-0"	8'-6"	9'-6"	8'-9"	1"	11"
60.0	13'-3"	13'-3"	8'-6"	10'-0"	9'-6"	10'-0"	13'-3"	8'-0"	9'-0"	8'-6"	1"	11"
65.0	12'-6"	12'-6"	8'-3"	9'-9"	9'-3"	9'-9"	12'-6"	7'-9"	8'-9"	7'-11"	1"	11"
70.0	12'-0"	12'-0"	7'-11"	9'-6"	9'-0"	9'-6"	12'-0"	7'-5"	8'-6"	7'-9"	1"	11"
75.0	11'-4"	11'-4"	7'-8"	9'-3"	8'-6"	9'-3"	11'-4"	7'-2"	8'-3"	7'-8"	1"	11"
80.0	11'-0"	11'-0"	7'-6"	9'-0"	8'-0"	9'-0"	11'-0"	7'-0"	8'-0"	7'-6"	1"	11"
85.0	10'-6"	10'-6"	7'-5"	8'-6"	7'-10"	8'-9"	10'-6"	6'-11"	7'-11"	7'-5"	1"	8"
90.0	10'-2"	10'-2"	7'-3"	7'-11"	7'-8"	8'-6"	10'-2"	6'-9"	7'-9"	7'-3"	1"	8"
95.0	9'-9"	9'-9"	7'-2"	7'-8"	7'-7"	8'-3"	9'-9"	6'-8"	7'-7"	7'-1"	1"	8"
100.0	9'-5"	9'-5"	7'-0"	7'-6"	7'-6"	8'-0"	9'-5"	6'-6"	7'-6"	7'-0"	1"	8"
105.0	9'-2"	9'-2"	6'-10"	7'-4"	7'-3"	7'-9"	9'-2"	6'-5"	7'-4"	6'-10"	1"	6"
110.0	9'-0"	9'-0"	6'-7"	7'-2"	7'-0"	7'-6"	9'-0"	6'-4"	7'-2"	6'-8"	1"	6"
115.0	8'-9"	8'-9"	6'-5"	7'-0"	6'-11"	7'-2"	8'-9"	6'-3"	7'-0"	6'-5"	1"	6"
120.0	8'-6"	8'-6"	6'-3"	6'-10"	6'-9"	6'-10"	8'-6"	6'-1"	6'-10"	6'-3"	1"	6"
125.0	8'-3"	8'-3"	6'-1"	6'-8"	6'-7"	6'-9"	8'-3"	6'-0"	6'-8"	6'-1"	1"	6"
130.0	8'-0"	8'-0"	6'-0"	6'-6"	6'-6"	6'-9"	8'-0"	5'-11"	6'-6"	6'-0"	1"	6"
135.0	7'-10"	7'-10"	5'-11"	6'-5"	6'-5"	6'-7"	7'-10"	5'-10"	6'-4"	5'-11"	1"	6"
140.0	7'-6"	7'-6"	5'-9"	6'-4"	6'-4"	6'-6"	7'-6"	5'-9"	6'-2"	5'-9"	1"	6"
145.0	7'-3"	7'-3"	5'-8"	6'-3"	6'-3"	6'-5"	7'-3"	5'-8"	6'-0"	5'-8"	1"	6"
150.0	7'-0"	7'-0"	5'-7"	6'-2"	6'-2"	6'-3"	7'-0"	5'-7"	5'-10"	5'-7"	1"	6"
155.0	6'-6"	6'-6"	5'-6"	6'-1"	6'-0"	6'-2"	6'-6"	5'-7"	5'-8"	5'-7"	1"	6"
160.0	6'-1"	6'-1"	5'-6"	6'-0"	6'-0"	6'-0"	6'-1"	5'-6"	5'-6"	5'-6"	1"	6"

* ***NOTES:***

1. *ABOVE INDICATED MAX. SLAT SPANS MAY BE USED AS LONG AS ANCHOR SPACING SCHEDULE ON SHEET 15 INDICATE THAT AN ANCHOR SPACING IS AVAILABLE FOR THE CORRESPONDING SLAT SPAN AND A.S.D. DESIGN PRESSURE RATING.*
2. *REQUIRES SIDE RAILS FASTENED WITH **3/8"ø KWIK BOLT 3 , 3/8"ø SCREW BOLT** INTO GROUT FILLED CELL CONCRETE BLOCK.*
3. *MAXIMUM SLAT SPANS FOR INTERMEDIATE LOADS MAY BE DETERMINED BY LINEAR INTERPOLATION BETWEEN END VALUES. NO INTERPOLATION ALLOWED FOR SEPARATION TO GLASS.*
4. *WIND ZONES 1 THRU 4 AS DEFINED BY ASTM E-1996 STANDARD.*

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

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58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	-	-
2	-	-	4	-	-

W.H.
DRAWN BY:

6/23/2026
DATE:

26-057
DRAWING No.

MAX. ANCHOR'S SPACING SCHEDULE Va

FOR A GIVEN PRODUCT MOUNTING TYPE, W/ 3/8"Ø CONFLEX , 3/8"Ø KWIK BOLT 3 , 3/8"Ø SCREW BOLT , 3/8"Ø POWER WEDGE BOLT , 5/16"Ø ULTRACONS AND 3/8"Ø LDT ANCHORS TO POURED CONCRETE WALL, A.S.D. DESIGN PRESSURE RATING & SLAT SPAN RANGE †

WALL MOUNT

MAX. A.S.D. DESIGN PRESSURE RATING RANGE (p.s.f)	SLAT SPAN RANGE							
	0'–4' †	> 4'–5' †	> 5'–6' †	> 6'–7' †	> 7'–8' †	> 8'–12' †	> 12'–16' †	>16'–24'–0"†
≤ 25	6"	6"	6"	6"	4"	4"	4"	4"
>31–40	6"	6"	6"	4"	4"	4"	4"	4"
>41–60	6"	6"	6"	4"	4"	4"	4"	4"
>61–80	6"	6"	4"	4"	4"	4"	4"	4"
>81–105	6"	6"	4"	4"	4"	4"	4"	4"
>106–120	6"	4"	4"	4"	4"	4"	4"	4"
>121–140	6"	4"	4"	4"	4"	4"	4"	4"
>141–160	6"	4"	4"	4"	4"	4"	4"	4"

TRAPPED MOUNT

MAX. A.S.D. DESIGN PRESSURE RATING RANGE (p.s.f)	SLAT SPAN RANGE							
	0'–4' †	> 4'–5' †	> 5'–6' †	> 6'–7' †	> 7'–8' †	> 8'–12' †	> 12'–16' †	>16'–24'–0"†
≤ 25	6"	6"	6"	6"	4"	4"	4"	4"
>31–40	6"	6"	6"	4"	4"	4"	4"	4"
>41–60	6"	6"	6"	4"	4"	4"	4"	4"
>61–80	6"	6"	4"	4"	4"	4"	4"	4"
>81–105	6"	6"	4"	4"	4"	4"	4"	4"
>106–120	6"	4"	4"	4"	4"	4"	4"	4"
>121–140	6"	4"	4"	4"	4"	4"	4"	4"
>141–160	6"	4"	4"	4"	4"	4"	4"	4"

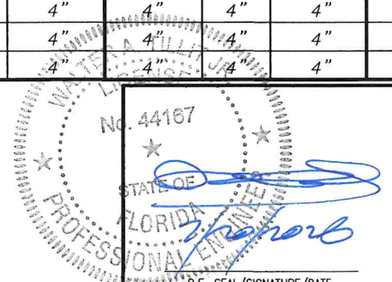
BUILD-OUT MOUNT

MAX. A.S.D. DESIGN PRESSURE RATING RANGE (p.s.f)	SLAT SPAN RANGE																								
	0'–4' †			> 4'–5' †			> 5'–6' †			> 6'–7' †			> 7'–8' †			> 8'–12' †			> 12'–16' †			>16' – 24'–0"†		
	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)
≤ 25	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>31–40	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>41–60	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>61–80	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>81–105	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>106–120	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>121–140	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>141–160	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"



SLAT SPAN DEFINITION

† *NOTE:*
MAX. SLAT SPAN FOR A GIVEN A.S.D. DESIGN PRESSURE RATING SHALL ***NEVER*** *EXCEED MAX. SLAT SPAN INDICATED ON SLAT PERFORMANCE CHART ON SHEET 13.*



P.E. SEAL/SIGNATURE/DATE

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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23–107	6/23/26	3	–	–
2	–	–	4	–	–

W.H.
DRAWN BY:

6/23/2026
DATE:

26–057
DRAWING No.

MAX. ANCHOR'S SPACING SCHEDULE 'a' FOR A GIVEN SHUTTER MOUNTING TYPE

W/ 3/8"Ø LDT, 3/8"Ø WEDGE BOLT, 3/8"Ø DYNABOLT SLEEVE , 5/16"Ø ULTRACON, 3/8"Ø KWIK BOLT 3 & 3/8"Ø SCREW BOLT ANCHOR TO GROUT FILLED CELL CONCRETE BLOCK WALL

A.S.D. DESIGN LOAD & SLAT SPAN RANGE †

WALL MOUNT

MAXIMUM A.S.D. DESIGN PRESSURE RATING RANGE(psf)	SLAT SPAN RANGE							
	0'–4' †	> 4'–5' †	> 5'–6' †	> 6'–7' †	> 7'–8' †	> 8'–12' †	>12'–16' †	>16'–24'–0" †
≤ 25	6"	6"	6"	6"	4"	4"	4"	4"
>31–40	6"	6"	6"	4"	4"	4"	4"	4"
>41–60	6"	6"	6"	4"	4"	4"	4"	4"
>61–80	6"	6"	4"	4"	4"	4"	4"	4"
>81–105	6"	6"	4"	4"	4"	4"	4"	4"
>106–120	6"	4"	4"	4"	4"	4"	4"	4"
>121–140	6"	4"	4"	4"	4"	4"	4"	4"
>141–160	6"	4"	4"	4"	4"	4"	4"	4"

TRAPPED MOUNT

MAXIMUM A.S.D. DESIGN PRESSURE RATING RANGE(psf)	SLAT SPAN RANGE							
	0'–4' †	> 4'–5' †	> 5'–6' †	> 6'–7' †	> 7'–8' †	> 8'–12' †	>12'–16' †	>16'–24'–0" †
≤ 25	6"	6"	6"	6"	4"	4"	4"	4"
>31–40	6"	6"	6"	6"	4"	4"	4"	4"
>41–60	6"	6"	6"	4"	4"	4"	4"	4"
>61–80	6"	6"	4"	4"	4"	4"	4"	4"
>81–105	6"	6"	4"	4"	4"	4"	4"	4"
>106–120	6"	4"	4"	4"	4"	4"	4"	4"
>121–140	6"	4"	4"	4"	4"	4"	4"	4"
>141–160	6"	4"	4"	4"	4"	4"	4"	4"

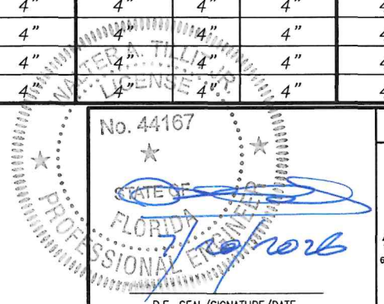
BUILD-OUT MOUNT

MAX. A.S.D. DESIGN PRESSURE RATING RANGE (p.s.f)	SLAT SPAN RANGE																							
	0'–4' †			> 4'–5' †			> 5'–6' †			> 6'–7' †			> 7'–8' †			> 8'–12' †			> 12'–16' †			>16' – 24'–0" †		
	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)	(R),(Q),(T)	(P)	(S),(U),(Ui)
≤ 25	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>31–40	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>41–60	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>61–80	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>81–105	6"	6"	6"	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>106–120	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>121–140	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
>141–160	6"	6"	6"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"



SLAT SPAN DEFINITION

† NOTE:
MAX. SLAT SPAN FOR A GIVEN A.S.D. DESIGN LOAD SHALL NEVER EXCEED MAX. SLAT SPAN INDICATED ON SLAT PERFORMANCE CHARTS ON SHEETS 13A, 13B.



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CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	–	–
2	–	–	4	–	–

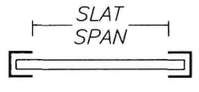
W.H.
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6/23/2026
DATE:
26-057
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SCHEDULE Vc:

Vx FORCES (Lb/FT) & Vy FORCES (Lb/FT) ACTING AT JAMBS FOR AN A.S.D. DESIGN LOAD RANGE, SLAT SPAN RANGE FOR POURED CONCRETE OR GROUT FILLED CELL CONCRETE BLOCK WALL BUILDINGS *

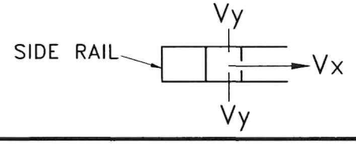
(USE MAXIMUM VALUE BETWEEN POSITIVE AND NEGATIVE A.S.D. LOAD)

MAXIMUM A.S.D. DESIGN PRESSURE RATING (psf)	SLAT SPAN RANGE																	
	0'–4'		> 4'–5'		> 5'–6'		> 6'–7'		> 7'–8'		> 8'–12'		> 12'–16'		> 16'–20'		> 20'–24'	
	Vx	Vy	Vx	Vy	Vx	Vy	Vx	Vy	Vx	Vy	Vx	Vy	Vx	Vy	Vx	Vy	Vx	Vy
≤ 25	0	50	0	63	0	75	0	88	0	100	539	150	947	200	1332	250	1716	300
>31–40	0	80	0	100	0	120	0	140	242	160	935	240	1514	320	1655	340	1834	350
>41–60	0	120	0	150	0	180	266	210	551	240	1441	360	1643	390	1697	360	–	–
>61–80	0	160	0	200	120	240	520	280	848	320	1931	480	1688	420	–	–	–	–
>81–105	0	210	0	263	381	315	828	368	1209	420	1557	473	–	–	–	–	–	–
>106–120	0	240	0	300	532	360	1008	420	1421	480	–	–	–	–	–	–	–	–
>121–140	0	280	78	350	730	420	1245	490	1700	560	–	–	–	–	–	–	–	–
>141–160	0	320	241	400	925	480	1479	560	1975	640	–	–	–	–	–	–	–	–



SLAT SPAN DEFINITION

* NOTE:
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMIT HOLDER TO VERIFY THAT EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx AND Vy FORCES IN POUNDS PER UNIT FOOT OF PRODUCT HEIGHT AT BOTH JAMBS.
SEE THIS SHEET FOR Vx & Vy VALUES.



WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

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58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23–107	6/23/26	3	–	–
2	–	–	4	–	–

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26–057
DRAWING No.

SLAT PERFORMANCE CHART Ib1 & Ic1

FOR A GIVEN MAXIMUM A.S.D. DESIGN PRESSURE RATING (p.s.f) AND SHUTTER MOUNT CONDITION FOR INSTALLATIONS PER DETAIL 1

CHART Ib1				CHART Ic1	
USE MAXIMUM VALUE BETWEEN POSITIVE AND NEGATIVE A.S.D. LOAD					
5/16"Ø ULTRACON ANCHOR				USE MAXIMUM POSITIVE A.S.D. LOAD VALUE	
MAXIMUM A.S.D. DESIGN PRESSURE RATING (psf)	MAX. SLAT SPAN "LMAX." (ft)			REQUIRED MIN. SEPARATION TO GLASS MEASURED TO BACK OF SLAT (in)	
	WALL MOUNT *(SEE NOTES Δ)*	BUILD-OUT MOUNT W/ (U) *(SEE NOTES) Δ*	BUILD-OUT MOUNT W/ (U1) *(SEE NOTES Δ)*	WIND ZONES 1-3 Δ	WIND ZONE 4 Δ
30.0 *	12'-0"	10'-0"	11'-0"	1"	11"
35.0 **	12'-0"	10'-0"	11'-0"	1"	11"
40.0 **	11'-0"	9'-0"	10'-0"	1"	11"
45.0 ***	11'-0"	9'-0"	10'-0"	1"	11"
50.0 ***	11'-0"	9'-0"	10'-0"	1"	11"
55.0 ***	10'-0"	8'-0"	9'-0"	1"	8"
60.0 ***	10'-0"	8'-0"	9'-0"	1"	8"

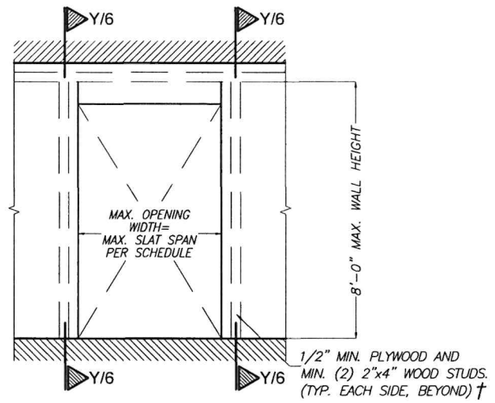
MAXIMUM A.S.D. DESIGN LOAD VS WOOD GRADE SCHEDULE:

* VALID FOR DOUGLAS-FIR-SOUTH (G=0.46) SOUTHERN PINE #2 (G=0.55)
SPRUCE PINE-FIR-SITH (G=0.36)

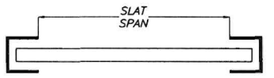
** VALID FOR DOUGLAS-FIR-SOUTH (G=0.46) SOUTHERN PINE #2 (G=0.55)

*** VALID FOR SOUTHERN PINE #2 (G=0.55)

INSTALLATIONS INTO WOOD FRAME BUILDINGS



DETAIL 1 (ELEVATION)



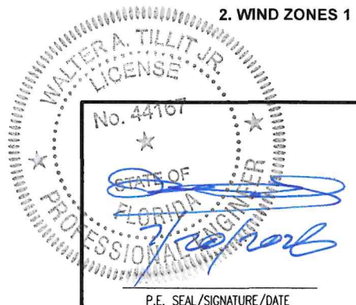
SLAT SPAN "L" DEFINITION
(PLAN)

Δ **NOTES**:

1. ABOVE INDICATED MAX. SLAT SPANS MAY BE USED AS LONG AS ANCHOR SPACING SCHEDULES ON SHEET 19 INDICATE THAT A SPACING IS AVAILABLE FOR THE CORRESPONDING SLAT SPAN AND A.S.D. DESIGN LOAD.

† : WOOD FRAME WALL TO BE BUILT STRICTLY IN ACCORDANCE WITH SPECS GIVEN ON SHEET 6 AND PROVISIONS FROM CHAPTER 23 OF THE FLORIDA BUILDING CODE. MINIMUM LENGTH OF WALL AT EITHER SIDE OF OPENING SHALL BE 33".

2. WIND ZONES 1 , 2 , 3 & 4 AS DEFINED BY ASTM STANDARD E-1996.



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1	OLD 23-107	6/23/26	3	–	–
2	–	–	4	–	–

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DATE:

26-057
DRAWING No.

1

MAX. ANCHOR'S SPACING SCHEDULE VI FOR A GIVEN SHUTTER MOUNTING TYPE, WOOD GRADE, A.S.D. DESIGN LOAD (psf) AND SLAT SPAN RANGE FOR INSTALLATIONS INTO WOOD BUILDINGS;

SEE SHT. 7, SECTION O'-O' FOR ANCHOR INSTALLATION & GENERAL NOTE 7 ON SHEET 1 FOR ANCHOR SPEC'S.

WALL MOUNT TO MIN. 2"x4" WOOD STUD WITH MINIMUM 1/2" PLYWOOD

(SEE DETAIL 1 ON SHEET 17)

WOOD GRADE	MAXIMUM A.S.D. DESIGN PRESSURE RATING RANGE (psf)	SLAT SPAN RANGE						
		0' to 4' *	> 4' to 5' *	> 5' to 6' *	> 6' to 7' *	> 7' to 9' *	> 9' to 10' *	>10' to 12' *
SOUTHERN PINE #2 (G=0.55)	≤ 30.0	6"	6"	6"	6"	6"	6"	6"
	40	6"	6"	6"	6"	6"	4 3/4"	4 1/2"
	50	6"	6"	6"	6"	4 3/4"	3 1/2"	3"
	60	6"	6"	5 3/4"	5 1/4"	3 3/4"	3"	3"
DOUGLAS-FIR-SOUTH (G=0.46)	≤ 30.0	6"	6"	6"	6"	6"	6"	6"
	40	6"	6"	6"	5 1/4"	5 1/4"	4 1/4"	3"
SPRUCE PINE-FIR-SOUTH (G=0.36)	≤ 30.0	6"	6"	6"	6"	6"	5 1/4"	4 1/2"

BUILD-OUT MOUNT TO MIN. 2"x4" WOOD STUD WITH MINIMUM 1/2" PLYWOOD

(SEE DETAIL 1 ON SHEET 17)

WOOD GRADE	MAXIMUM A.S.D. DESIGN PRESSURE RATING RANGE (psf)	SLAT SPAN RANGE											
		0'-4' *		> 4'-5' *		> 5'-6' *		> 6'-7' *		> 7'-9' *		> 9'-10' *		> 10' to 12' *	
		BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)	BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)	BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)	BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)	BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)	BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)	BUILD-OUT MOUNT W/ (U)	BUILD-OUT MOUNT W/ (U1)
SOUTHERN PINE #2 (G=0.55)	≤ 30.0	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	40	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	5 1/4"	5 1/4"	5 1/4"	5 1/4"
	50	6"	6"	6"	6"	6"	6"	6"	6"	5 1/4"	5 1/4"	4"	4"	4"	4"
	60	6"	6"	6"	6"	6"	6"	5 3/4"	5 3/4"	4"	4"	3"	3"	3"	3"
DOUGLAS-FIR-SOUTH (G=0.46)	≤ 30.0	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	40	6"	6"	6"	6"	6"	6"	5 1/2"	5 1/2"	5 1/2"	5 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
SPRUCE PINE-FIR-SOUTH (G=0.36)	≤ 30.0	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	5 1/4"	5"	5 1/4"	5"

* *NOTE:*
*MAX. SPAN FOR SLAT FOR A GIVEN A.S.D. DESIGN LOAD SHALL **NEVER** EXCEED MAX. SLAT SPAN INDICATED ON SLAT PERFORMANCE CHARTS ON SHEET 17.*

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58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

W.H.
DRAWN BY:

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	-	-
2	-	-	4	-	-

SCHEDULE 1a
FLOOR TO CEILING (TRAPPED) MOUNTING
MAX. SPAN (ft) FOR END AND INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f.), & A MAX. MULLION SPACING (ft) *

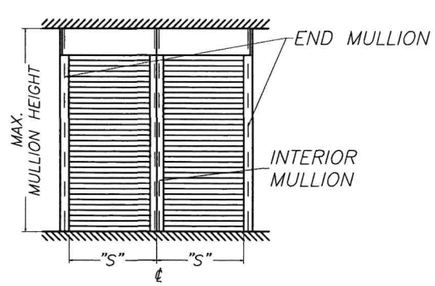
MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)									
		(H) 4"x6"x1/4" MULLION				(I) 4"x8"x1/4" MULLION				(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION
		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†			
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR	INTERIOR	INTERIOR
25.0	24'–0"	–	8'–6"	–	10'–6"	9'–4"	9'–3"	–	12'–0"	–	–
30.0	22'–0"	–	8'–2"	–	10'–2"	9'–3"	8'–11"	–	12'–0"	–	–
35.0	19'–0"	–	8'–2"	–	10'–2"	9'–5"	8'–11"	–	12'–0"	–	–
40.0	17'–6"	–	8'–0"	–	10'–0"	9'–4"	8'–10"	–	11'–10"	–	–
45.0	16'–0"	–	8'–0"	–	9'–10"	9'–5"	8'–8"	–	12'–0"	–	–
50.0	15'–0"	–	–	–	9'–9"	9'–5"	8'–7"	–	12'–0"	–	–
55.0	14'–0"	–	–	–	9'–8"	9'–6"	8'–6"	–	12'–0"	–	–
60.0	13'–3"	–	–	–	9'–9"	9'–6"	8'–5"	–	12'–0"	–	–
65.0	12'–6"	–	–	–	9'–6"	9'–1"	8'–4"	–	12'–0"	–	–
70.0	12'–0"	–	–	–	9'–5"	9'–4"	8'–3"	–	11'–10"	–	–
75.0	11'–4"	–	–	–	9'–4"	9'–7"	8'–2"	–	11'–10"	–	–
80.0	11'–0"	–	–	–	9'–3"	9'–4"	8'–1"	–	11'–9"	–	–
85.0	10'–6"	–	–	–	9'–2"	9'–4"	8'–0"	–	11'–8"	–	–
90.0	10'–2"	–	–	–	9'–1"	9'–6"	8'–0"	–	11'–7"	–	–
95.0	9'–9"	–	–	–	9'–1"	9'–2"	8'–0"	–	11'–6"	–	–
100.0	9'–5"	–	–	–	9'–0"	9'–4"	–	–	11'–5"	–	–
105.0	9'–2"	–	–	–	9'–0"	9'–9"	–	–	11'–4"	–	–
110.0	9'–0"	–	–	–	8'–10"	9'–3"	–	–	11'–3"	–	–
115.0	8'–9"	–	–	–	8'–10"	9'–0"	–	–	11'–2"	–	–
120.0	8'–6"	–	–	–	8'–10"	9'–3"	–	–	11'–0"	–	–
125.0	8'–3"	–	–	–	8'–9"	9'–6"	–	–	11'–0"	–	–
130.0	8'–0"	–	–	–	8'–9"	9'–4"	–	–	11'–0"	–	–
135.0	7'–10"	–	–	–	8'–8"	9'–1"	–	–	11'–0"	–	–
140.0	7'–6"	8'–2"	–	–	8'–8"	9'–8"	–	–	11'–0"	–	–
145.0	7'–3"	8'–2"	–	–	8'–8"	9'–9"	–	–	11'–0"	–	–
150.0	7'–0"	8'–0"	–	–	8'–8"	9'–8"	–	–	11'–0"	–	–
155.0	6'–6"	8'–0"	–	–	8'–8"	9'–5"	–	–	11'–0"	–	–
160.0	6'–1"	8'–0"	–	–	8'–8"	9'–11"	–	–	11'–0"	–	–

SCHEDULE 2a
WALL MOUNTING
MAX. SPAN (FT) FOR END AND INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (P.S.F.), & A MAX. MULLION SPACING (FT) *

MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)									
		(H) 4"x6"x1/4" MULLION				(I) 4"x8"x1/4" MULLION				(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION
		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†			
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR	INTERIOR	INTERIOR
25.0	24'–0"	7'–5"	8'–2"	6'–0"	10'–6"	9'–4"	9'–3"	6'–6"	12'–0"	7'–7"	6'–3"
30.0	22'–0"	7'–4"	8'–2"	5'–10"	10'–2"	9'–3"	8'–11"	6'–5"	12'–0"	7'–4"	6'–0"
35.0	19'–0"	7'–6"	8'–2"	6'–1"	10'–2"	9'–5"	8'–11"	6'–6"	12'–0"	7'–4"	6'–0"
40.0	17'–6"	7'–5"	8'–0"	6'–0"	10'–0"	9'–4"	8'–10"	6'–8"	11'–10"	7'–3"	5'–11"
45.0	16'–0"	7'–6"	8'–0"	6'–0"	9'–10"	9'–5"	8'–8"	6'–6"	12'–0"	7'–2"	5'–10"
50.0	15'–0"	7'–5"	7'–11"	6'–0"	9'–9"	9'–5"	8'–7"	6'–6"	12'–0"	7'–0"	5'–9"
55.0	14'–0"	7'–6"	7'–10"	6'–0"	9'–8"	9'–6"	8'–6"	6'–6"	12'–0"	7'–0"	5'–8"
60.0	13'–3"	7'–6"	7'–10"	6'–1"	9'–9"	9'–6"	8'–5"	6'–7"	12'–0"	6'–11"	5'–8"
65.0	12'–6"	7'–4"	7'–8"	5'–11"	9'–6"	9'–1"	8'–4"	6'–5"	12'–0"	6–10"	5–7"
70.0	12'–0"	7'–6"	7'–7"	6'–0"	9'–5"	9'–4"	8'–3"	6'–6"	11'–10"	6'–9"	5'–7"
75.0	11'–4"	7'–8"	7'–6"	6'–2"	9'–4"	9'–7"	8'–2"	6'–8"	11'–10"	6'–9"	5'–6"
80.0	11'–0"	7'–6"	7'–6"	6'–0"	9'–3"	9'–4"	8'–1"	6'–7"	11'–9"	6'–8"	5'–6"
85.0	10'–6"	7'–6"	7'–6"	6'–0"	9'–2"	9'–4"	8'–1"	6'–8"	11'–8"	6'–7"	5'–5"
90.0	10'–2"	7'–7"	7'–4"	6'–1"	9'–1"	9'–6"	8'–0"	6'–8"	11'–7"	6'–7"	5'–5"
95.0	9'–9"	7'–6"	7'–4"	6'–0"	9'–1"	9'–2"	8'–0"	6'–6"	11'–6"	6'–6"	5'–4"
100.0	9'–5"	7'–8"	7'–4"	6'–0"	9'–0"	9'–4"	7'–11"	6'–8"	11'–5"	6'–6"	5'–4"
105.0	9'–2"	7'–10"	7'–3"	6'–4"	9'–0"	9'–9"	7'–10"	6'–10"	11'–4"	6'–6"	5'–4"
110.0	9'–0"	7'–6"	7'–2"	6'–0"	8'–10"	9'–3"	7'–10"	6'–7"	11'–3"	6'–5"	5'–3"
115.0	8'–9"	7'–7"	7'–2"	6'–1"	8'–10"	9'–0"	7'–9"	6'–6"	11'–2"	6'–4"	5'–3"
120.0	8'–6"	7'–10"	7'–2"	6'–3"	8'–10"	9'–3"	7'–9"	6'–8"	11'–0"	6'–4"	5'–1"
125.0	8'–3"	7'–8"	7'–0"	6'–5"	8'–9"	9'–6"	7'–8"	6'–10"	11'–0"	6'–4"	5'–0"
130.0	8'–0"	7'–7"	7'–0"	6'–2"	8'–9"	9'–4"	7'–8"	6'–9"	11'–0"	6'–4"	5'–0"
135.0	7'–10"	8'–2"	7'–0"	6'–0"	8'–8"	9'–1"	7'–8"	6'–7"	11'–0"	6'–3"	5'–0"
140.0	7'–6"	8'–2"	7'–0"	6'–6"	8'–8"	9'–8"	7'–8"	7'–2"	11'–0"	6'–3"	5'–0"
145.0	7'–3"	8'–2"	7'–0"	6'–6"	8'–8"	9'–9"	7'–8"	7'–2"	11'–0"	6'–3"	5'–0"
150.0	7'–0"	8'–0"	7'–0"	6'–6"	8'–8"	9'–8"	7'–8"	7'–1"	11'–0"	6'–3"	5'–0"
155.0	6'–6"	7'–11"	7'–0"	6'–4"	8'–8"	9'–5"	7'–8"	6'–11"	11'–0"	6'–3"	5'–0"
160.0	6'–1"	8'–0"	7'–0"	6'–5"	8'–8"	9'–11"	7'–8"	7'–0"	11'–0"	6'–3"	5'–0"

* MAXIMUM MULLION SPACING SHALL BE SUCH THAT MAX. ALLOWABLE WALL MOUNTED SLAT SPAN FOR THAT A.S.D. DESIGN PRESSURE RATING SHALL NOT BE EXCEEDED.

† MULLION ORIENTATION IS AS SEEN FROM THE OUTSIDE (EXTERIOR) OF PRODUCT.



MULLION SPACING: "S"



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (NON HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	–	–
2	–	–	4	–	–

W.H.
DRAWN BY:

6/23/2026
DATE:

26-057
DRAWING No.

SCHEDULE 1b

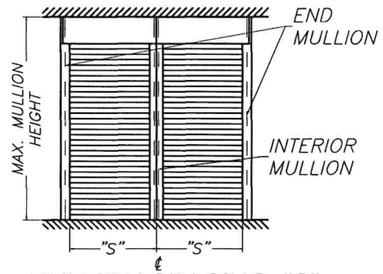
FLOOR TO CEILING (TRAPPED) MOUNTING MAX. SPAN (ft) FOR END AND INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f.), & A 7'-0" MAX. MULLION SPACING (ft) *

MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)										
		(H) 4"x6"x1/4" MULLION				(I) 4"x8"x1/4" MULLION				(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION	(E) 3"x4"x1/8" MULLION
		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†				
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR	INTERIOR	INTERIOR	INTERIOR
25.0	7'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	11'–5"	9'–4"	8'–9"
30.0	7'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	10'–9"	8'–10"	8'–3"
35.0	7'–0"	12'–0"	11'–5"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	10'–3"	8'–4"	–
40.0	7'–0"	12'–0"	10'–11"	12'–0"	12'–0"	12'–0"	11'–10"	12'–0"	12'–0"	9'–9"	8'–0"	–
45.0	7'–0"	12'–0"	10'–6"	12'–0"	12'–0"	12'–0"	11'–5"	12'–0"	12'–0"	9'–5"	–	–
50.0	7'–0"	12'–0"	10'–2"	12'–0"	12'–0"	12'–0"	11'–0"	12'–0"	12'–0"	9'–0"	–	–
55.0	7'–0"	12'–0"	9'–10"	12'–0"	12'–0"	12'–0"	10'–8"	12'–0"	12'–0"	8'–8"	–	–
60.0	7'–0"	12'–0"	9'–10"	11'–2"	12'–0"	12'–0"	10'–4"	12'–0"	12'–0"	8'–6"	–	–
65.0	7'–0"	12'–0"	9'–4"	10'–5"	11'–6"	12'–0"	10'–1"	11'–4"	12'–0"	8'–4"	–	–
70.0	7'–0"	12'–0"	9'–2"	9'–10"	11'–3"	12'–0"	10'–1"	10'–8"	12'–0"	8'–1"	–	–
75.0	7'–0"	11'–3"	8'–10"	9'–4"	11'–0"	12'–0"	9'–10"	10'–1"	12'–0"	–	–	–
80.0	7'–0"	11'–0"	8'–7"	8'–11"	10'–9"	11'–10"	9'–8"	9'–9"	12'–0"	–	–	–
85.0	7'–0"	10'–8"	8'–6"	8'–7"	10'–6"	11'–8"	9'–5"	9'–4"	12'–0"	–	–	–
90.0	7'–0"	10'–4"	8'–4"	8'–4"	10'–4"	11'–4"	9'–3"	9'–0"	12'–0"	–	–	–
95.0	7'–0"	10'–0"	8'–2"	8'–1"	10'–2"	11'–3"	9'–0"	8'–9"	12'–0"	–	–	–
100.0	7'–0"	9'–9"	8'–0"	–	10'–0"	11'–0"	8'–11"	8'–6"	12'–0"	–	–	–
105.0	7'–0"	9'–6"	–	–	9'–10"	10'–9"	8'–9"	8'–4"	12'–0"	–	–	–
110.0	7'–0"	9'–3"	–	–	9'–8"	10'–7"	8'–7"	8'–1"	12'–0"	–	–	–
115.0	7'–0"	9'–1"	–	–	9'–6"	10'–5"	8'–6"	8'–1"	11'–11"	–	–	–
120.0	7'–0"	8'–10"	–	–	9'–5"	10'–4"	8'–3"	–	11'–10"	–	–	–
125.0	7'–0"	8'–9"	–	–	9'–3"	10'–3"	8'–0"	–	11'–8"	–	–	–
130.0	7'–0"	8'–5"	–	–	9'–2"	10'–0"	–	–	11'–7"	–	–	–
135.0	7'–0"	8'–5"	–	–	9'–0"	9'–11"	–	–	11'–5"	–	–	–
140.0	7'–0"	8'–4"	–	–	8'–11"	9'–9"	–	–	11'–3"	–	–	–
145.0	7'–0"	8'–2"	–	–	8'–10"	9'–8"	–	–	11'–1"	–	–	–
150.0	7'–0"	8'–0"	–	–	8'–8"	9'–8"	–	–	11'–0"	–	–	–

SCHEDULE 2b

WALL MOUNTING MAX. SPAN (FT) FOR END AND INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (P.S.F.), & A 7'-0" MAX. MULLION SPACING (FT) *

MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)										
		(H) 4"x6"x1/4" MULLION				(I) 4"x8"x1/4" MULLION				(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION	(E) 3"x4"x1/8" MULLION
		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†				
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR	INTERIOR	INTERIOR	INTERIOR
25.0	7'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	11'–5"	9'–4"	8'–9"
30.0	7'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	10'–9"	8'–10"	8'–3"
35.0	7'–0"	12'–0"	11'–5"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	12'–0"	10'–3"	8'–4"	7'–9"
40.0	7'–0"	12'–0"	10'–11"	12'–0"	12'–0"	12'–0"	11'–10"	12'–0"	12'–0"	9'–9"	8'–0"	7'–6"
45.0	7'–0"	12'–0"	10'–6"	12'–0"	12'–0"	12'–0"	11'–5"	12'–0"	12'–0"	9'–5"	7'–9"	7'–2"
50.0	7'–0"	12'–0"	10'–2"	12'–0"	12'–0"	12'–0"	11'–0"	12'–0"	12'–0"	9'–0"	7'–5"	6'–11"
55.0	7'–0"	12'–0"	9'–10"	12'–0"	12'–0"	12'–0"	10'–8"	12'–0"	12'–0"	8'–8"	7'–2"	6'–9"
60.0	7'–0"	12'–0"	9'–10"	11'–2"	12'–0"	12'–0"	10'–4"	12'–0"	12'–0"	8'–6"	7'–0"	6'–6"
65.0	7'–0"	12'–0"	9'–4"	10'–5"	11'–6"	12'–0"	10'–1"	11'–4"	12'–0"	8'–4"	6'–10"	6'–4"
70.0	7'–0"	12'–0"	9'–2"	9'–10"	11'–3"	12'–0"	10'–1"	10'–8"	12'–0"	8'–1"	6'–7"	6'–2"
75.0	7'–0"	11'–3"	8'–10"	9'–4"	11'–0"	12'–0"	9'–10"	10'–1"	12'–0"	7'–11"	6'–6"	6'–0"
80.0	7'–0"	11'–0"	8'–7"	8'–11"	10'–9"	11'–10"	9'–8"	9'–9"	12'–0"	7'–9"	6'–4"	5'–11"
85.0	7'–0"	10'–8"	8'–6"	8'–7"	10'–6"	11'–8"	9'–5"	9'–4"	12'–0"	7'–7"	6'–3"	5'–9"
90.0	7'–0"	10'–4"	8'–4"	8'–4"	10'–4"	11'–4"	9'–3"	9'–0"	12'–0"	7'–6"	6'–1"	5'–8"
95.0	7'–0"	10'–0"	8'–2"	8'–1"	10'–2"	11'–3"	9'–0"	8'–9"	12'–0"	7'–4"	6'–0"	5'–7"
100.0	7'–0"	9'–9"	8'–0"	7'–10"	10'–0"	11'–0"	8'–11"	8'–6"	12'–0"	7'–2"	5'–11"	5'–6"
105.0	7'–0"	9'–6"	7'–11"	7'–8"	9'–10"	10'–9"	8'–9"	8'–4"	12'–0"	7'–1"	5'–10"	5'–5"
110.0	7'–0"	9'–3"	7'–10"	7'–6"	9'–8"	10'–7"	8'–7"	8'–1"	12'–0"	7'–0"	5'–9"	5'–4"
115.0	7'–0"	9'–1"	7'–8"	7'–4"	9'–6"	10'–5"	8'–6"	8'–1"	11'–11"	6'–11"	5'–8"	5'–3"
120.0	7'–0"	8'–10"	7'–7"	7'–2"	9'–5"	10'–4"	8'–3"	7'–9"	11'–10"	6'–9"	5'–7"	5'–0"
125.0	7'–0"	8'–9"	7'–6"	7'–0"	9'–3"	10'–3"	8'–0"	7'–8"	11'–8"	6'–8"	5'–6"	4'–11"
130.0	7'–0"	8'–5"	7'–5"	6'–11"	9'–2"	10'–0"	7'–10"	7'–6"	11'–7"	6'–7"	5'–5"	4'–10"
135.0	7'–0"	8'–5"	7'–3"	6'–10"	9'–0"	9'–11"	7'–8"	7'–4"	11'–5"	6'–6"	5'–3"	4'–9"
140.0	7'–0"	8'–4"	7'–2"	6'–8"	8'–11"	9'–9"	7'–8"	7'–3"	11'–3"	6'–5"	5'–3"	4'–8"
145.0	7'–0"	8'–2"	7'–1"	6'–7"	8'–10"	9'–8"	7'–5"	7'–1"	11'–1"	6'–4"	5'–2"	4'–7"
150.0	7'–0"	8'–0"	7'–0"	6'–6"	8'–8"	9'–8"	7'–5"	7'–0"	11'–0"	6'–3"	5'–2"	4'–5"



MULLION SPACING: "S"

* MAXIMUM MULLION SPACING SHALL BE SUCH THAT MAX. ALLOWABLE WALL MOUNTED SLAT SPAN FOR THAT DESIGN LOAD SHALL NOT BE EXCEEDED.

† MULLION ORIENTATION IS AS SEEN FROM THE OUTSIDE (EXTERIOR) OF PRODUCT.



P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (NON HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

58 mm SLAT END RETENTION ALUMINUM ROLL-UP SHUTTER SYSTEM (L.M.I.)

FOLDING SHUTTER CORP.
1862 DR. MARTIN LUTHER KING BLVD.
WEST PALM BEACH, FL 33404
www.foldingshutters.com

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 23-107	6/23/26	3	–	–
2	–	–	4	–	–

W.H.
DRAWN BY:

6/23/2026
DATE:

26-057
DRAWING No.

SCHEDULE 1c

FLOOR TO CEILING (TRAPPED) MOUNTING MAX. SPAN (ft) FOR END AND INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f.), & A 12'-0" MAX. MULLION SPACING (ft) *

MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)									
		(H) 4"x6"x1/4" MULLION				(I) 4"x8"x1/4" MULLION				(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION
		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†			
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR	INTERIOR	INTERIOR
25.0	12'–0"	10'–11"	10'–8"	8'–10"	12'–0"	12'–0"	11'–7"	9'–7"	12'–0"	9'–6"	–
30.0	12'–0"	10'–2"	10'–0"	8'–2"	12'–0"	12'–0"	10'–11"	8'–11"	12'–0"	9'–0"	–
35.0	12'–0"	9'–7"	9'–6"	8'–0"	11'–10"	12'–0"	10'–4"	8'–5"	12'–0"	8'–6"	–
40.0	12'–0"	9'–1"	9'–1"	8'–0"	11'–4"	11'–7"	10'–0"	8'–0"	12'–0"	8'–2"	–
45.0	12'–0"	8'–9"	8'–9"	–	10'–10"	11'–0"	9'–6"	–	12'–0"	–	–
50.0	12'–0"	8'–4"	8'–6"	–	10'–6"	10'–7"	9'–2"	–	12'–0"	–	–
55.0	12'–0"	8'–1"	8'–2"	–	9'–7"	10'–3"	8'–11"	–	12'–0"	–	–
60.0	12'–0"	–	8'–2"	–	9'–7"	10'–0"	8'–8"	–	12'–0"	–	–
65.0	12'–0"	–	–	–	9'–7"	9'–8"	8'–5"	–	12'–0"	–	–
70.0	12'–0"	–	–	–	9'–4"	9'–6"	8'–3"	–	11'–10"	–	–

SCHEDULE 2c

WALL MOUNTING MAX. SPAN (FT) FOR END AND INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (P.S.F.), & A 12'-0" MAX. MULLION SPACING (FT) *

MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)										
		(H) 4"x6"x1/4" MULLION				(I) 4"x8"x1/4" MULLION				(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION	(E) 3"x4"x1/8" MULLION
		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†		ORIENTATION #2 (▭)†		ORIENTATION #1 ([])†				
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR	INTERIOR	INTERIOR	INTERIOR
25.0	12'–0"	10'–11"	10'–8"	8'–10"	12'–0"	12'–0"	11'–7"	9'–7"	12'–0"	9'–6"	7'–10"	7'–3"
30.0	12'–0"	10'–2"	10'–0"	8'–2"	12'–0"	12'–0"	10'–11"	8'–11"	12'–0"	9'–0"	7'–4"	6'–10"
35.0	12'–0"	9'–7"	9'–6"	8'–0"	11'–10"	12'–0"	10'–11"	8'–5"	12'–0"	8'–6"	7'–0"	6'–6"
40.0	12'–0"	9'–1"	9'–1"	8'–0"	11'–4"	11'–7"	10'–0"	8'–0"	12'–0"	8'–2"	6'–8"	6'–3"
45.0	12'–0"	8'–9"	8'–9"	8'–0"	10'–10"	11'–0"	9'–6"	7'–8"	12'–0"	7'–10"	6'–5"	6'–0"
50.0	12'–0"	8'–4"	8'–6"	7'–0"	10'–6"	10'–7"	9'–2"	7'–4"	12'–0"	7'–6"	6'–3"	5'–9"
55.0	12'–0"	8'–1"	8'–2"	6'–7"	9'–7"	10'–3"	8'–11"	7'–1"	12'–0"	7'–4"	6'–0"	5'–7"
60.0	12'–0"	7'–10"	8'–2"	6'–4"	9'–7"	10'–0"	8'–8"	6'–11"	12'–0"	7'–1"	5'–10"	5'–5"
65.0	12'–0"	7'–8"	7'–9"	6'–2"	9'–7"	9'–8"	8'–5"	6'–10"	12'–0"	6'–11"	5'–8"	5'–3"
70.0	12'–0"	7'–6"	7'–6"	6'–0"	9'–4"	9'–6"	8'–3"	6'–6"	11'–10"	6'–9"	5'–7"	5'–0"

SCHEDULE 1c' (LIMITED LOAD, MULLION SPACING & SPAN INSTALLATION)

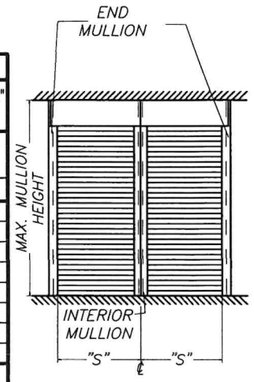
FLOOR TO CEILING (TRAPPED) MOUNTED MAX. SPAN (ft) FOR END & INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE (p.s.f.),AND FOR 12'-0" (CASE I) & 7'-0" (CASES Ia & II) MAX. MULLION SPACING (ft) *

INSTALLATION CASES	MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)						
			(H) 4"x6"x1/4" MULLION	(I) 4"x8"x1/4" MULLION			(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION	(E) 3"x4"x1/8" MULLION
			ORIENTATION #1 ([])†	ORIENTATION #2 (▭)†	ORIENTATION #2 (▭)†	ORIENTATION #1 ([])†			ORIENTATION #1([])†
			INTERIOR	END	INTERIOR	INTERIOR	INTERIOR	INTERIOR	INTERIOR
CASE I	25.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–6"	–	–
	30.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–0"	–	–
	35.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–6"	–	–
	40.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–2"	–	–
	45.0	12'–0"	10'–0"	10'–0"	9'–6"	10'–0"	–	–	–
	50.0	12'–0"	10'–0"	10'–0"	9'–2"	10'–0"	–	–	–
	55.0	12'–0"	9'–7"	10'–0"	8'–11"	10'–0"	–	–	–
	60.0	12'–0"	9'–7"	10'–0"	8'–8"	10'–0"	–	–	–
CASE Ia	25.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–4"	–
	30.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–10"	–
	35.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–4"	–
	40.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–5"	8'–0"	–
	45.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–5"	–	–
	50.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–0"	–	–
	55.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–8"	–	–
	60.0	7'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–6"	–	–
CASE II	25.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–
	30.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–10"	–
	35.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–4"	–
	40.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–0"	–
	45.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–
	50.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–
	55.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–8"	–	–
	60.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–6"	–	–
	65.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–4"	–	–
	70.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–1"	–	–
	75.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–	–
	80.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–	–
	85.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–	–
	90.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–	–
	95.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–	–
	100.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	–	–	–

SCHEDULE 2c' (LIMITED LOAD, MULLION SPACING & SPAN INSTALLATION) WALL MOUNTED

MAX. SPAN (ft) FOR END & INTERIOR MULLIONS FOR A GIVEN A.S.D. DESIGN PRESSURE RATING (p.s.f.),AND FOR 12'-0" (CASE I) & 7'-0" (CASE II) MAX. MULLION SPACING (ft) *

INSTALLATION CASES	MAX. A.S.D. DESIGN PRESSURE RATING (p.s.f.)	MAXIMUM MULLION SPACING (ft) *	MAXIMUM MULLION SPAN (FT)						
			(H) 4"x6"x1/4" MULLION	(I) 4"x8"x1/4" MULLION			(G) 4"x4"x1/4" MULLION	(F) 4"x4"x1/8" MULLION	(E) 3"x4"x1/8" MULLION
			ORIENTATION #1 ([])†	ORIENTATION #2 (⇔)†	ORIENTATION #2 (⇔)†	ORIENTATION #1 ([])†			ORIENTATION #1([])†
			INTERIOR	END	INTERIOR	INTERIOR	INTERIOR	INTERIOR	INTERIOR
CASE I'	25.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–6"	–	–
	30.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	9'–0"	–	–
	35.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–6"	–	–
	40.0	12'–0"	10'–0"	10'–0"	10'–0"	10'–0"	8'–2"	–	–
	45.0	12'–0"	10'–0"	10'–0"	9'–6"	10'–0"	–	–	–
	50.0	12'–0"	10'–0"	10'–0"	9'–2"	10'–0"	–	–	–
	55.0	12'–0"	9'–7"	10'–0"	8'–11"	10'–0"	–	–	–
	60.0	12'–0"	9'–7"	10'–0"	8'–8"	10'–0"	–	–	–
CASE II'	25.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–9"
	30.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–10"	8'–3"
	35.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–4"	7'–9"
	40.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–0"	7'–6"
	45.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–9"	7'–2"
	50.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–5"	6'–11"
	55.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–8"	7'–2"	6'–9"
	60.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–6"	7'–0"	6'–6"
	65.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–4"	6'–10"	6'–4"
	70.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	8'–1"	6'–7"	6'–2"
	75.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–11"	6'–6"	6'–0"
	80.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–9"	6'–4"	5'–11"
	85.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–7"	6'–3"	5'–9"
	90.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–6"	6'–1"	5'–8"
	95.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–4"	6'–0"	5'–7"
	100.0	7'–0"	9'–0"	9'–0"	9'–0"	9'–0"	7'–2"	5'–11"	5'–6"



MULLION SPACING: "S"

* MAXIMUM MULLION SPACING SHALL BE SUCH THAT MAX. ALLOWABLE WALL MOUNTED SLAT SPAN FOR THAT DESIGN LOAD SHALL NOT BE EXCEEDED.

† MULLION ORIENTATION IS AS SEEN FROM THE OUTSIDE (EXTERIOR) OF PRODUCT.

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