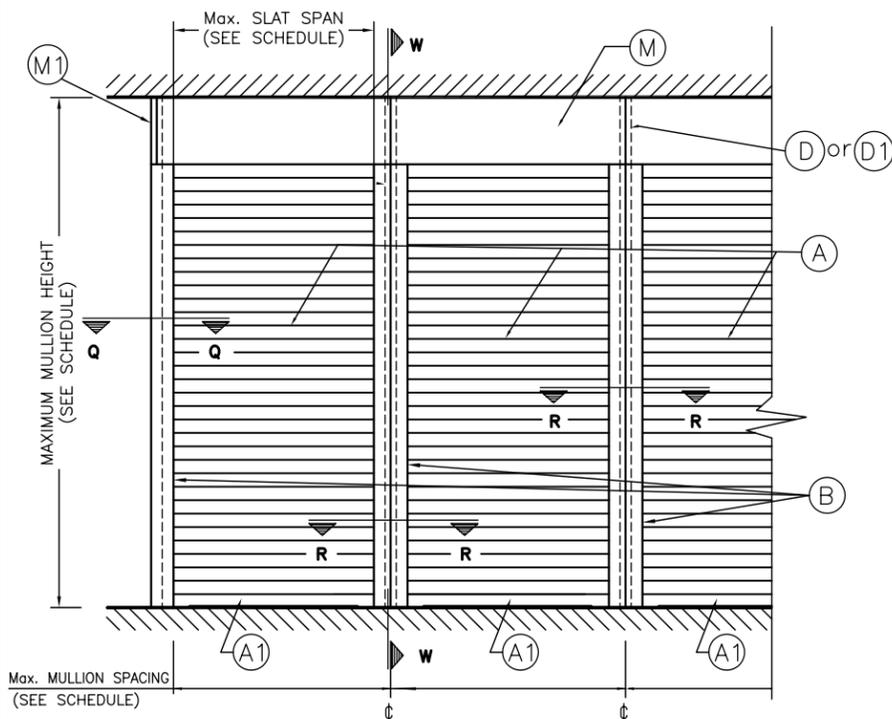


TYPICAL SINGLE UNIT ELEVATION

NOTE: SEE SHEETS 2 & 3 FOR COMPONENTS NOMENCLATURE.



TYPICAL MULTIPLE UNIT ELEVATION

NOTE: SEE SHEETS 2 & 3 FOR COMPONENTS NOMENCLATURE.

NOTES:
 (1) SEE SECTIONS ON SHEETS 4 THRU 7.
 (2) SEE SCHEDULES ON SHEETS 4, 6 & 7.

GENERAL NOTES:

1. ROLL UP SHUTTER SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2006 EDITIONS OF THE INTERNATIONAL BUILDING CODE, (I.B.C.) AND INTERNATIONAL RESIDENTIAL CODE, (I.R.C.) WITH THE 2006 TEXAS REVISIONS, EFFECTIVE JANUARY 1, 2008. ROLL UP SHUTTER SHALL BE INSTALLED AT SEAWARD AND INLAND AREAS, AS DEFINED BY THE TEXAS DEPARTMENT OF INSURANCE. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1609 OF THE INTERNATIONAL BUILDING CODE, FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE SHUTTER WILL BE INSTALLED, AND FOR A DIRECTIONALITY FACTOR $K_d = 0.85$, IN ACCORDANCE WITH ASCE 7-05 STANDARD. ROLL UP SHUTTER ADEQUACY FOR IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1609.1.2 AND R301.1.3 OF THE ABOVE MENTIONED CODES RESPECTIVELY, AS PER ARCHITECTURAL TESTING INC. REPORT 78796.01-109-18, PER ASTM E 1886-02, E 1996-02 AND ASTM E 330-02 STANDARDS, CORRESPONDING TO MISSILE TYPE "D" AND WIND ZONE 4. SEE NOTE * ON SHEET 4 FOR ADDITIONAL LIMITATIONS.

- 2. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER (SEE SHEET COMPONENTS).
- 3. EVERY OTHER SLAT (INCLUDING BASE SLAT) SHALL INCLUDE ONE RETAIN SCREW (C), AISI 304 SERIES STAINLESS STEEL (SEE SHEET 2).
- 4. ALL SCREWS (EXCEPT COMPONENT # (C)) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR ITW BUILD EX CORROSION RESISTANT COATED CARBON STEEL TEK SCREWS, AS PER DIN 50018.
- 5. BOLTS TO BE ASTM A-307 GALVANIZED STEEL OR AISI 304 SERIES STAINLESS STEEL, WITH 35 ksi MINIMUM YIELD STRENGTH.
- 6. ANCHORS TO WALL FOR SIDE RAILS CONNECTION SHALL BE AS FOLLOWS:

(A) TO EXISTING POURED CONCRETE (MIN. $f'_c = 2899$ psi):
 - 5/16" ϕ CARBON STEEL TAPCON XL ANCHORS, AS MANUFACTURED BY ITW/BUILD EX, INC.

NOTES:

A.1) MINIMUM EMBEDMENT OF TAPCON XL ANCHORS INTO POURED CONCRETE 2". NO EMBEDMENT INTO STUCCO SHALL BE CONSIDERED AS PART OF THE REQUIRED EMBEDMENT.

A.2) 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 SUBSTRATE BEHIND SUCH PANELS. MINIMUM EMBEDMENT SHALL BE AS INDICATED ON NOTE A.1 ABOVE.

(B) TO EXISTING POURED CONCRETE (MIN. $f'_c = 4000$ psi):
 - 3/8" ϕ KWIK BOLT 3 EXPANSION ANCHOR, AS MANUFACTURED BY HILTI, INC.

NOTES:

B.1) MINIMUM EMBEDMENT OF KWIK BOLT 3 ANCHORS INTO POURED CONCRETE 3 1/2". NO EMBEDMENT INTO STUCCO SHALL BE CONSIDERED AS PART OF THE REQUIRED EMBEDMENT.

B.2) 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 SUBSTRATE BEHIND SUCH PANELS. MINIMUM EMBEDMENT SHALL BE AS INDICATED ON NOTE B.1 ABOVE.

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

8. ANCHORS REQUIRED FOR MULLION CONNECTIONS SHALL BE AS SPECIFIED ON APPLICABLE SECTIONS SHOWN ON SHEETS 6 & 7 RESPECTIVELY.

-5/8" ϕ KWIK BOLT TZ EXPANSION ANCHOR TO BE AS MANUFACTURED BY HILTI, INC.

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

ANCHOR	SPACING @ 100%	EDGE DISTANCE @ 100%	EMBEDMENT	
			CONCRETE	GROUT FILLED OR CONCRETE BLOCK
KWIK BOLT TZ	3"	4 1/4"	4" (3000 psi)	-

9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO POURED CONCRETE.

10. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION.

11. ROLL-UP MECHANISM NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

12. ROLL-UP SHUTTER INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

13. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. 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 CONTRACTOR'S RESPONSIBILITY.

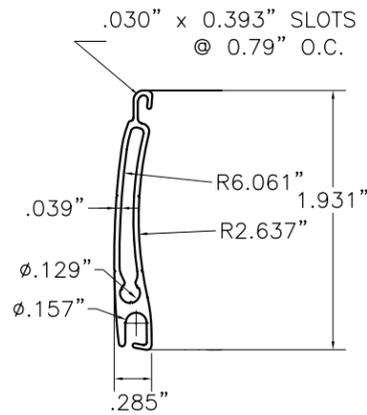
(c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT WHICH WILL BECOME THE ENGINEER OF 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.

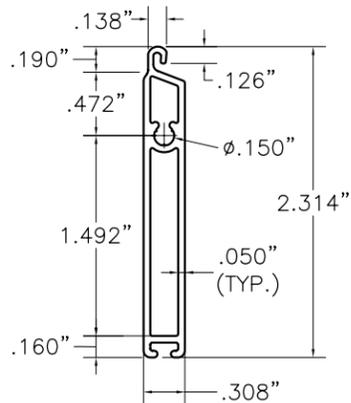
TDI 2006

WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER 6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531 TEXAS LIC. # 90691	BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM		L.G. DRAWN BY		
	ALUTECH UNITED INC. 15 DIXON STREET SELBYVILLE, DE 19975 PHONE: (800) 233-1144, FAX: (302) 436-5100		3/25/08 DATE		
		08-077 DRAWING No			
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	TITLE BLOCK / P.E.#	11/25/08	3		
2			4		
					SHEET 1 OF 7



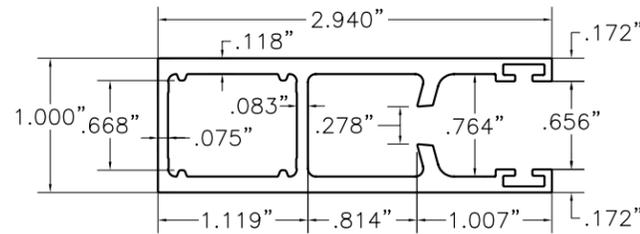
(A) SLAT

6063-T6 ALUMINUM ALLOY
SCALE: 3/4" = 1"



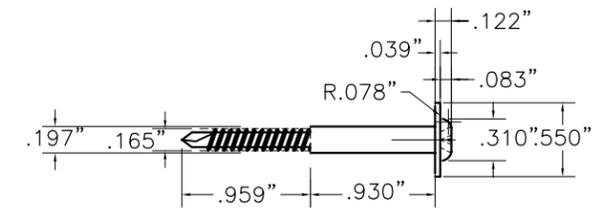
(A1) BASE SLAT

6063-T6 ALUMINUM ALLOY
SCALE: 3/4" = 1"



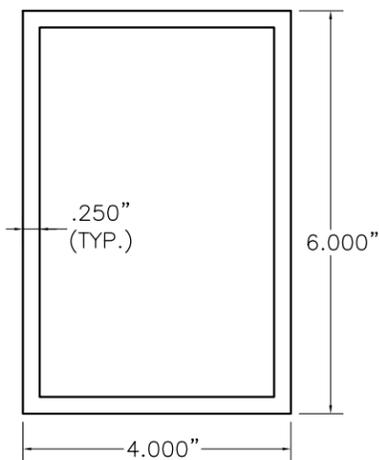
(B) SIDE RAIL

6063-T5 ALUMINUM ALLOY
SCALE: 3/4" = 1"



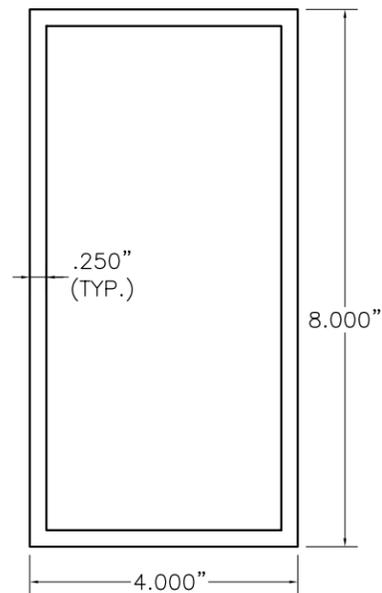
(C) RETAIN SCREW

(1 EVERY OTHER SLAT INCLUDING BASE SLAT
AND SHALL BE INSTALLED W/A 0.576" MIN. SLIP AS SHOWN ON SECTIONS)
AISI/SAE 304 SERIES STAINLESS STEEL
SCALE: 3/4" = 1"



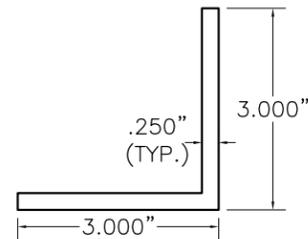
(D) 4"x6" MULLION:

6063-T6 ALUMINUM ALLOY
SCALE: 3/8" = 1"



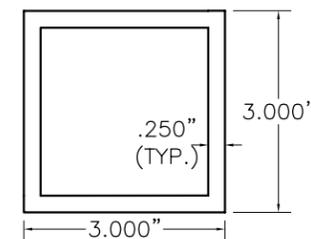
(D1) 4"x8"x1/4" ALTERNATE MULLION

6063-T6 ALUMINUM ALLOY
SCALE: 3/8" = 1"



(E) 3"x3"x1/4" INSIDE MOUNT ANGLE

6061-T6 ALUMINUM ALLOY
SCALE: 3/8" = 1"



(E1) 3"x3"x1/4" ALTERNATE INSIDE MOUNT TUBE

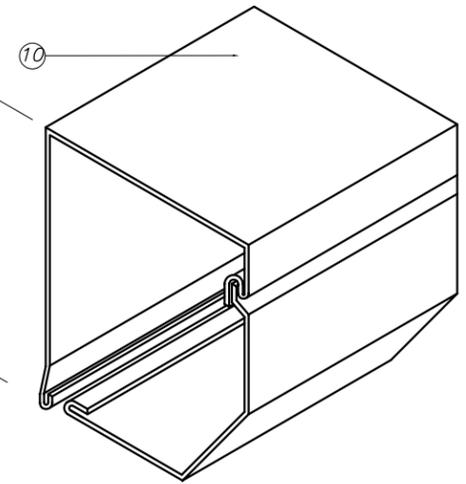
6061-T6 ALUMINUM ALLOY
SCALE: 3/8" = 1"

COMPONENTS

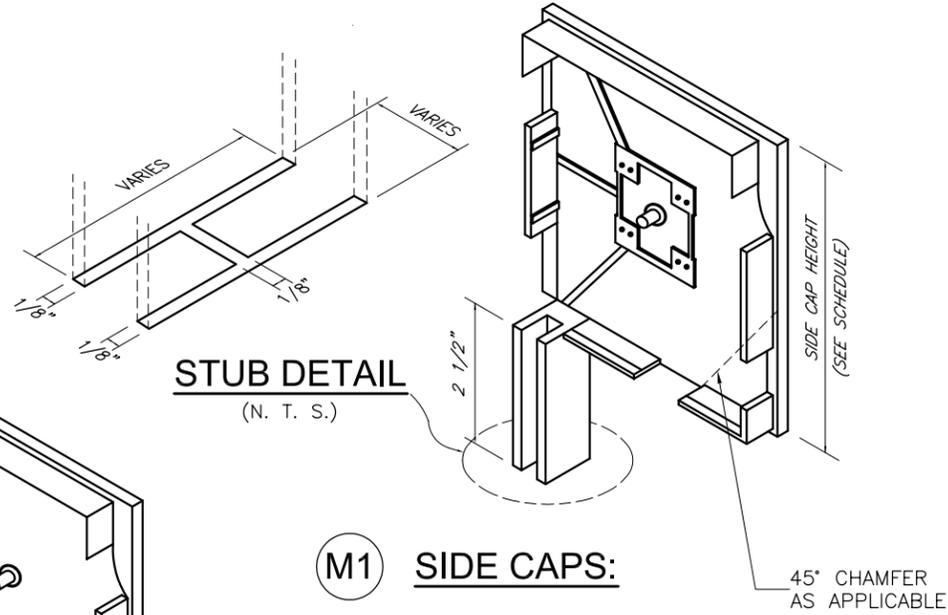
TDI 2006

WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER 6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531 TEXAS LIC. # 90691		BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM			L.G. DRAWN BY
		ALUTECH UNITED INC. 15 DIXON STREET SELBYVILLE, DE 19975 PHONE: (800) 233-1144, FAX: (302) 436-5100			3/25/08 DATE
					08-077 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	TITLE BLOCK / P.E.#	11/25/08	3		
2			4		
					SHEET 2 OF 7

- TYPE 10 : 12"
- TYPE 9 : 10"
- TYPE 8 : 9"
- TYPE 7 : 8"
- TYPE 6 : 7"
- TYPE 5 : 6.5"
- TYPE 4 : 6"
- TYPE 3 : N/A
- TYPE 2 : N/A
- TYPE 1 : N/A



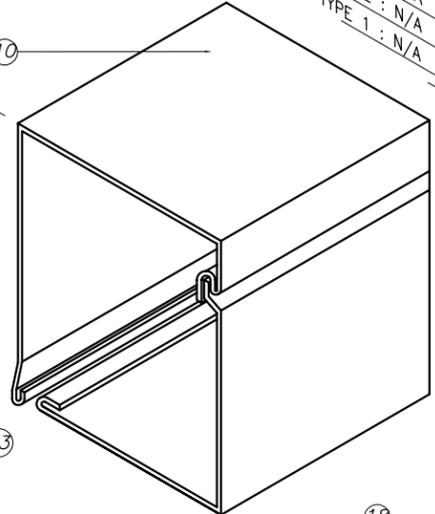
**RV 45 & RV 45/S
HOUSINGS**



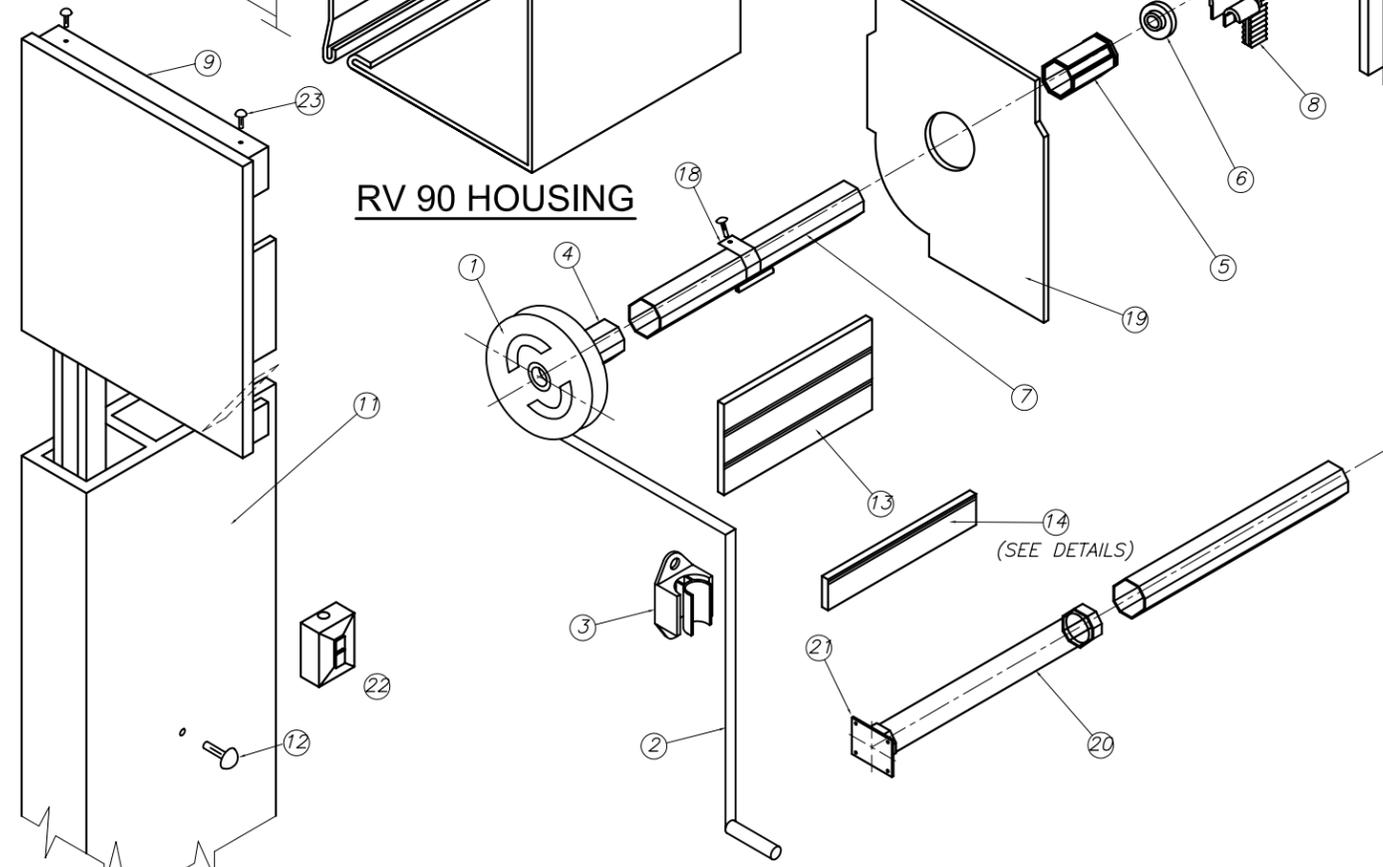
M1 SIDE CAPS:

45° CHAMFER AS APPLICABLE

- TYPE 10 : N/A
- TYPE 9 : 10"
- TYPE 8 : 9"
- TYPE 7 : 8"
- TYPE 6 : 7"
- TYPE 5 : 6.5"
- TYPE 4 : 6"
- TYPE 3 : 5.5"
- TYPE 2 : 5"
- TYPE 1 : 4"



RV 90 HOUSING



**M BOX COMPONENTS AND ASSEMBLY DETAIL
END CAP SYSTEM
(SEE NOTE 10 ON SHEET 1)**

COMPONENTS FOR GEAR OPERATED SYSTEM

- ① - GEAR
- ② - UNIVERSAL & CRANK
- ③ - CRANK HOLDER(OPTIONAL)
- ④ - GEAR INSERT(GEAR TO AXLE CONNECTOR)
- ⑤ - IDLER INSERT
- ⑥ - BALL BEARING
- ⑦ - OCTAGONAL AXLE *
- ⑧ - ENTRY GUIDES
- ⑨ - SIDE/END CAP *
- ⑩ - HOUSING(FRONT & BOTTOM), 0.040" THICK
- ⑪ - SIDE RAIL
- ⑫ - PLUG-BUTTONS
- ⑬ - ALUMINUM SLATS
- ⑭ - BASE SLAT
- ⑮ - PLASTIC STOPS(OPTIONAL)
- ⑯ - SIDE LOCKS(OPTIONAL)
- ⑰ - STAPLES(OPTIONAL)
- ⑱ - SPRINGLOCK HANGER
- ⑲ - SAFETY PLATES

* SHALL BE CAPABLE TO SUSTAIN SLAT'S WEIGHT AND ASSURE LIFTING MECHANISM (SEE NOTE 10/1)

ADDITIONAL COMPONENTS FOR
MOTORIZED OPERATED SYSTEM

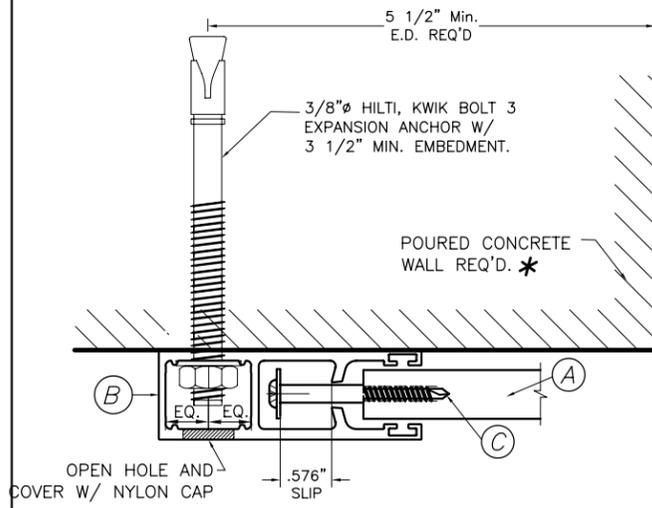
- ⑳ - TUBULAR MOTOR
- ㉑ - MOTOR BRACKET
- ㉒ - SWITCH

FASTENERS

- ㉓ - 3/16" ALUMINUM POP RIVETS(6 REQ'D EA. SIDE CAP) : 2 @ TOP, 2 @ REAR, 2@ BOTTOM

TDI 2006

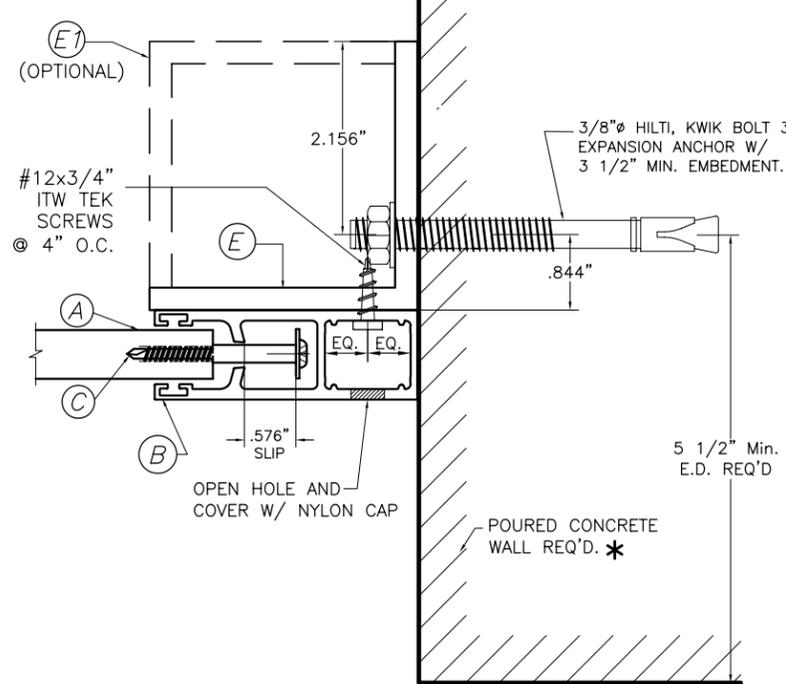
WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER 6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531 TEXAS LIC. # 90691		BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM			L.G. DRAWN BY
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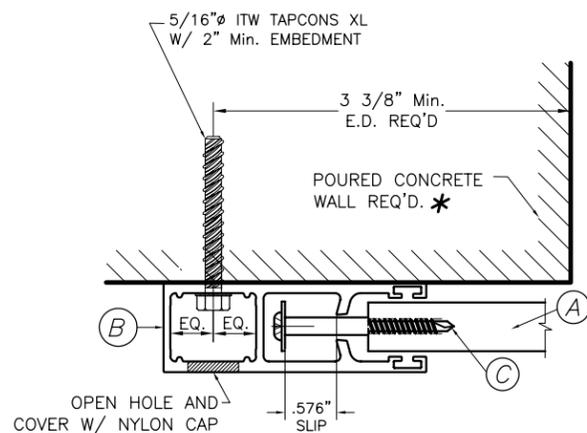
SECTION P-P (1): WALL MOUNT
3/8"Ø HILTI, KWIK BOLT 3 EXPANSION ANCHOR

SIDE RAIL CONNECTIONS

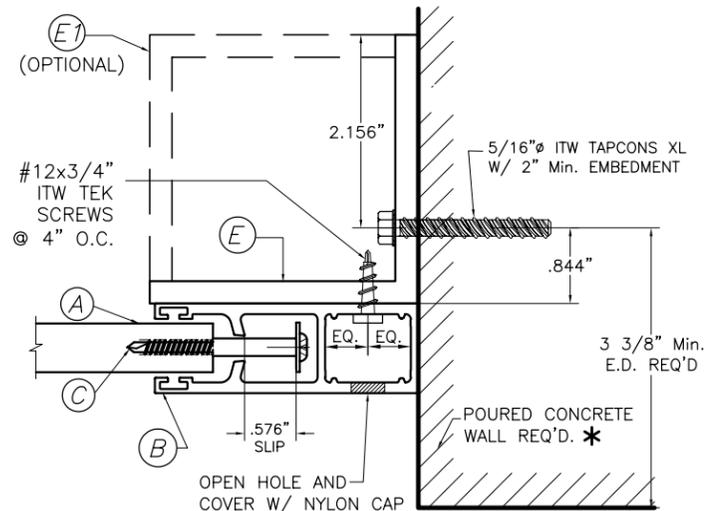
TO POURED CONCRETE
SCALE : 3/8" = 1"



SECTION P-P (2): INSIDE MOUNT
3/8"Ø HILTI, KWIK BOLT 3 EXPANSION ANCHOR

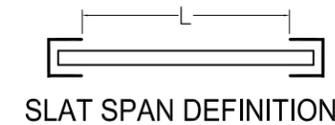
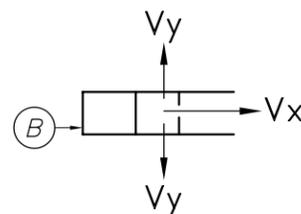


SECTION P-P (1): WALL MOUNT
5/16"Ø TAPCONS XL



SECTION P-P (2): INSIDE MOUNT
5/16"Ø TAPCONS XL

*** NOTE:**
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT EXISTING STRUCTURE IS DESIGNED TO SUPPORT V_x AND V_y =FORCES IN (lb/ft) OF SHUTTER HEIGHT AT BOTH JAMBS. (SEE SCHEDULES THIS SHEET).



MAXIMUM SLAT SPAN "L" (FT) & CORRESPONDING V_x & V_y REACTIONS AT JAMB & ANCHOR SPACING FOR 3/8"Ø HILTI, KWIK BOLT 3 EXPANSION ANCHOR GIVEN MAXIMUM DESIGN LOAD & REQUIRED SLIP

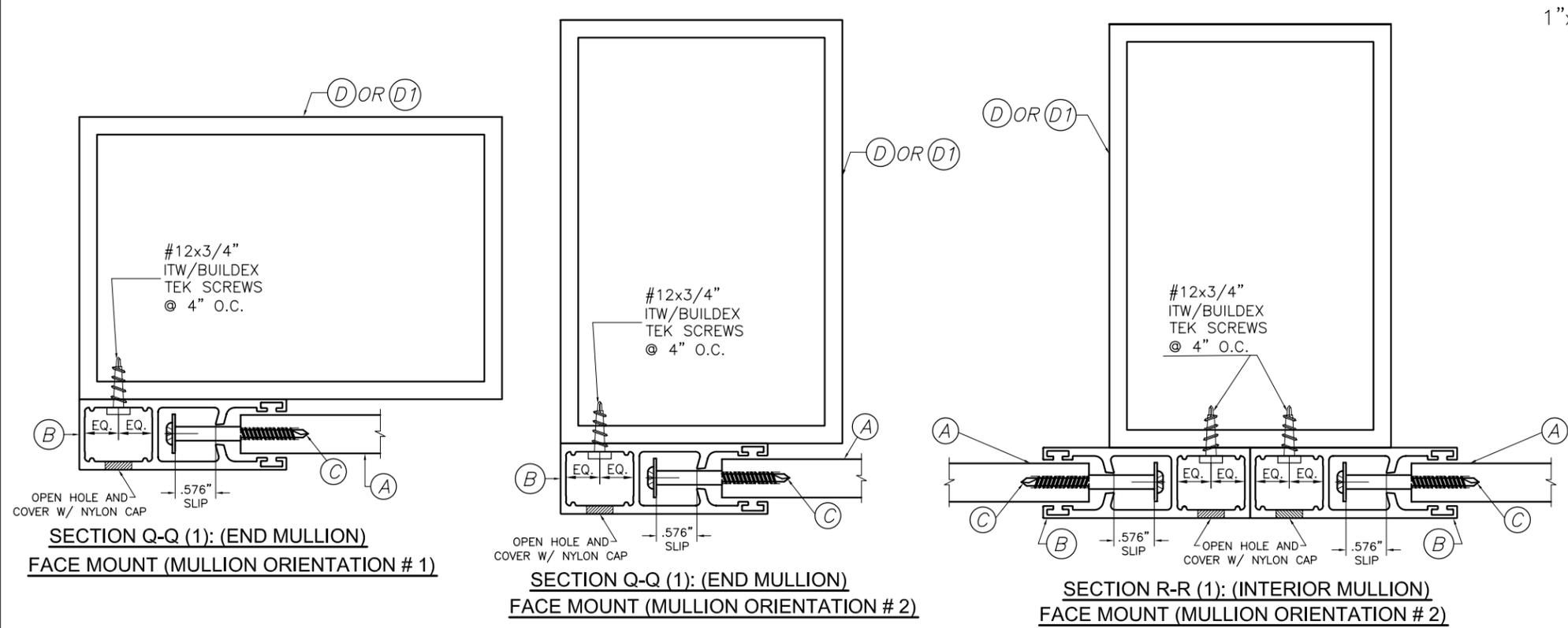
MAXIMUM DESIGN LOAD (p.s.f)	MAXIMUM SLAT SPAN "L" (FT.)	REQUIRED SLIP (in)	V_x (Lb/Ft)	V_y (Lb/Ft)	SIDE RAIL CONNECTION	MAX. ANCHOR SPACING (in)
+80, -80	15'-0 1/8"	0.576"	2272	600	WALL MOUNT & INSIDE MOUNT	7"

MAXIMUM SLAT SPAN "L" (FT) & CORRESPONDING V_x & V_y REACTIONS AT JAMB & ANCHOR SPACING FOR 5/16"Ø ITW TAPCONS XL ANCHOR GIVEN MAXIMUM DESIGN LOAD & REQUIRED SLIP

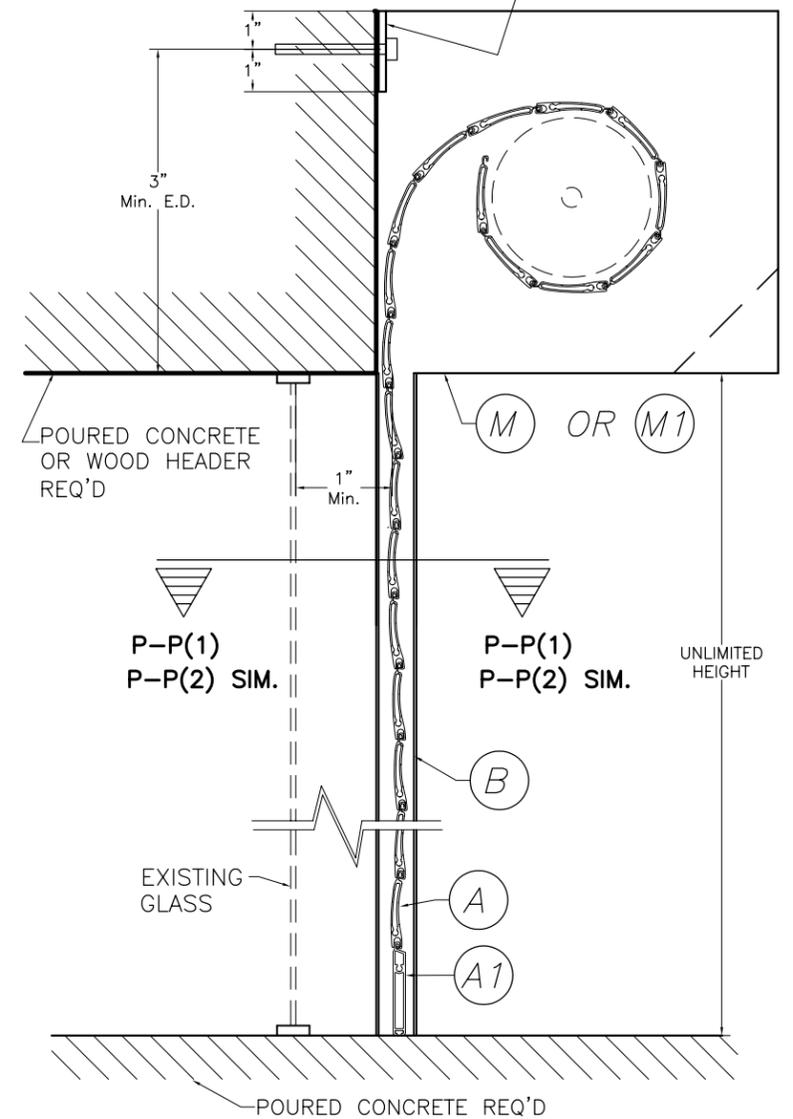
MAXIMUM DESIGN LOAD (P.S.F)	MAXIMUM SLAT SPAN "L" (FT.)	REQUIRED SLIP (in)	V_x (Lb/Ft)	V_y (Lb/Ft)	SIDE RAIL CONNECTION	MAX. ANCHOR SPACING (in)
+55, -55	15'-0 1/8"	0.576"	1605	413	WALL MOUNT	5"
+45, -45	15'-0 1/8"	0.576"	1330	338	INSIDE MOUNT	5"

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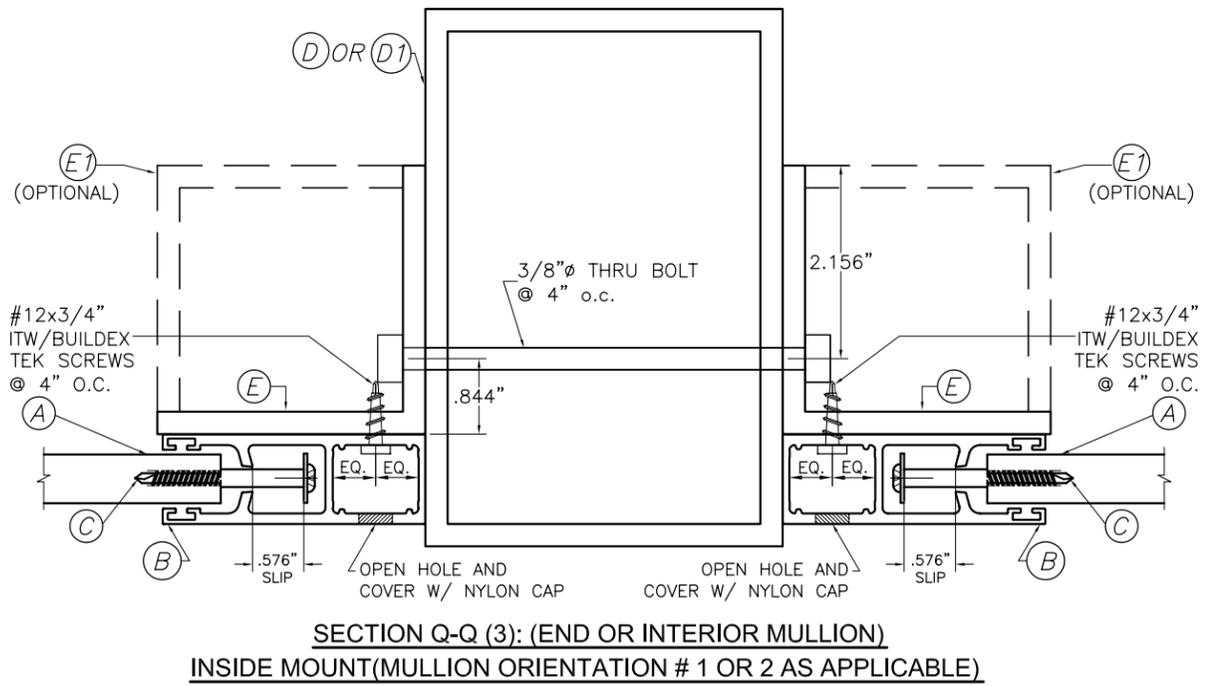
<p>WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER</p> <p>6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531</p> <p>TEXAS LIC. # 90691</p>	<p>BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM</p>			<p>L.G. DRAWN BY</p>																			
	<p>ALUTECH UNITED INC.</p> <p>15 DIXON STREET SELBYVILLE, DE 19975 PHONE: (800) 233-1144, FAX: (302) 436-5100</p>			<p>3/25/08 DATE</p>																			
	<table border="1"> <thead> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>TITLE BLOCK / P.E.#</td> <td>11/25/08</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </tbody> </table>			REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	TITLE BLOCK / P.E.#	11/25/08	3			2			4			<p>08-077 DRAWING No</p>	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																		
1	TITLE BLOCK / P.E.#	11/25/08	3																				
2			4																				



1"x2"x1/8" Alum. PLATE W/ 1/4"Øx1 3/4" TAPCONS @ 12" o.c. FOR CONCRETE OR 16" o.c. (TO EA. STUD) FOR WOOD



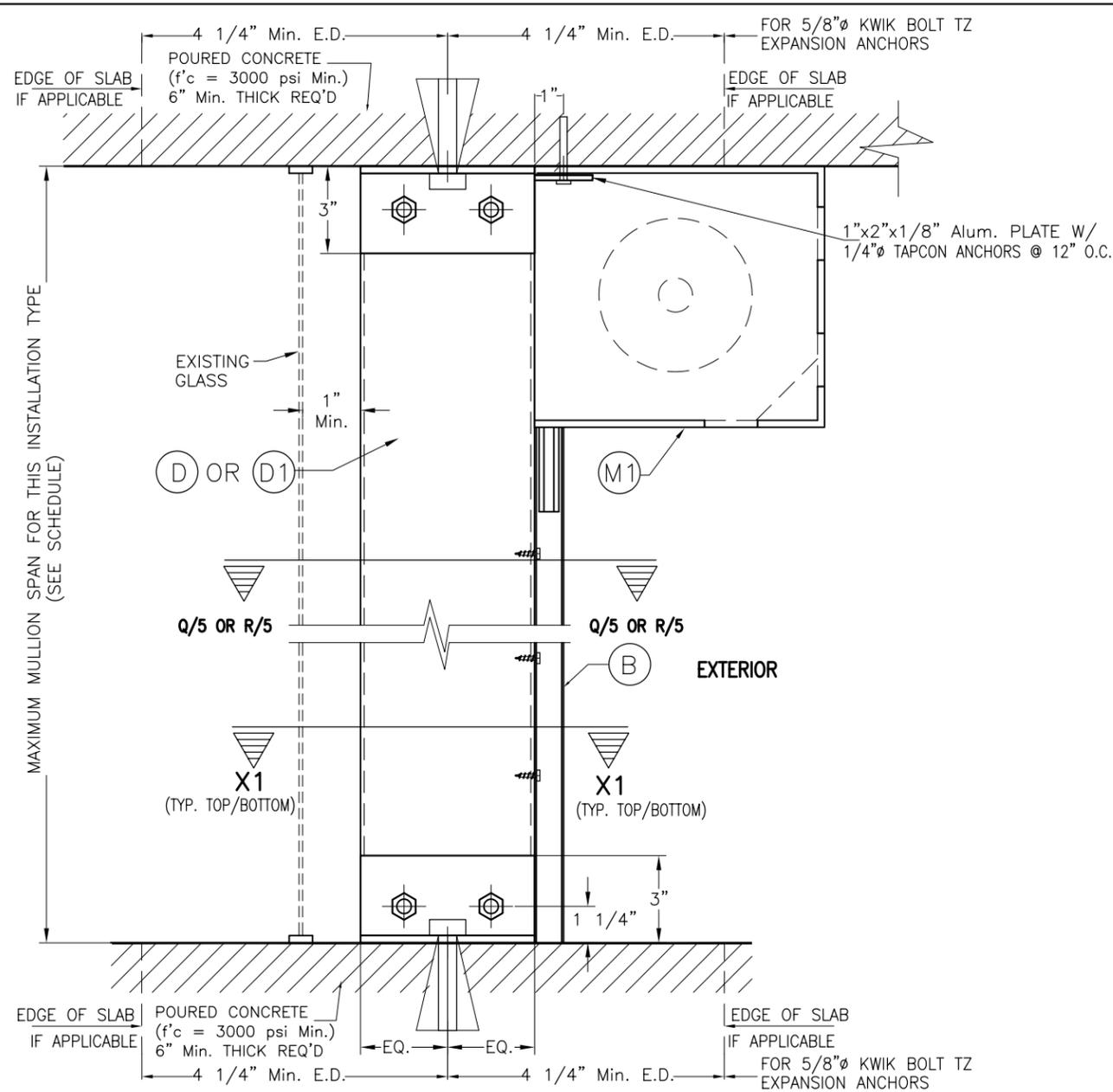
WALL MOUNTING: NO MULLION CASE
SECTION V-V



SIDE RAIL CONNECTIONS TO MULLIONS
(SEE SLAT SPAN SCHEDULE)
SCALE: 3/8" = 1"

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WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER		BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM		L.G. DRAWN BY	
6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531		ALUTECH UNITED INC. 15 DIXON STREET SELBYVILLE, DE 19975 PHONE: (800) 233-1144, FAX: (302) 436-5100		3/25/08 DATE	
TEXAS LIC. # 90691				08-077 DRAWING No	
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					SHEET 5 OF 7

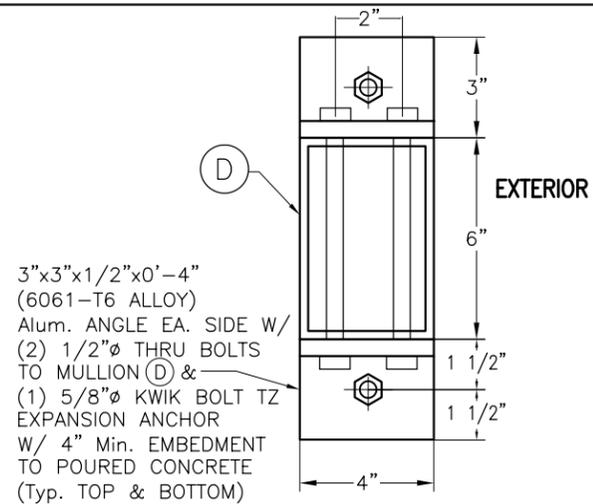


FLOOR TO CEILING / TRAPPED MOUNTING: MULLION (D) OR (D1)
SECTION W-1

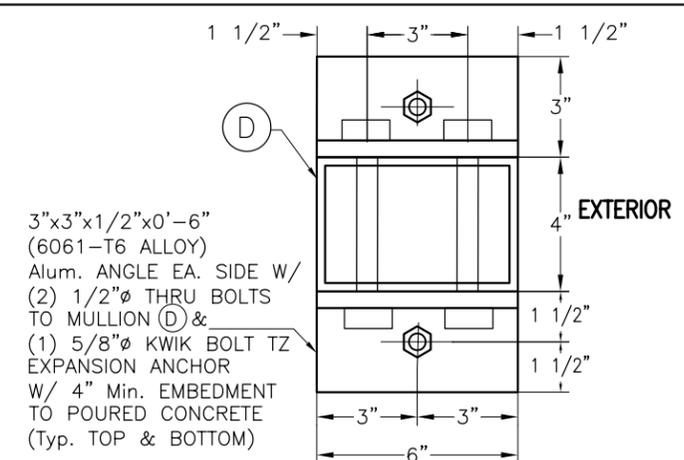
END & INTERIOR MULLION MAX. SPAN (ft) SCHEDULE
FOR A MAXIMUM DESIGN LOAD (p.s.f.), & A GIVEN MULLION SPACING (ft) *
INSTALLATION INTO POURED CONCRETE

MAXIMUM DESIGN LOAD (p.s.f.)	MAXIMUM MULLION SPACING (FT)	MAXIMUM MULLION SPAN (FT): FLOOR OR TO CEILING							
		ⓓ 4"x6"x1/4" MULLION				ⓓ1 4"x8"x1/4" MULLION			
		ORIENTATION #1 (⇐)		ORIENTATION #2 (⇐)		ORIENTATION #1 (⇐)		ORIENTATION #2 (⇐)	
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR
+55, -55 OR LESS	15'-0 1/8"	7'-2"	8'-9"	6'-8"	10'-10"	8'-8"	9'-6"	7'-7"	12'-0"
+80, -80	15'-0 1/8"	6'-0"	7'-8"	5'-7"	9'-7"	7'-3"	8'-5"	6'-5"	11'-9"

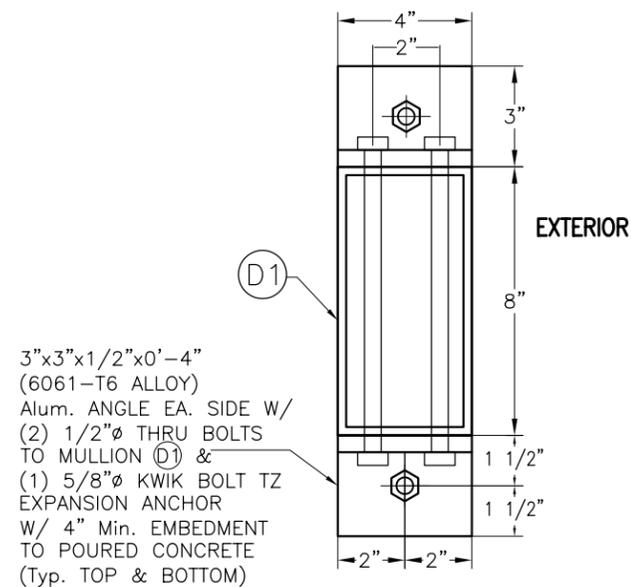
* MAXIMUM MULLION SPACING SHALL BE SUCH THAT SLAT SPAN SHALL NOT BE EXCEEDED.
 SEE SHEET 5 FOR MULLION ORIENTATION DEFINITION.



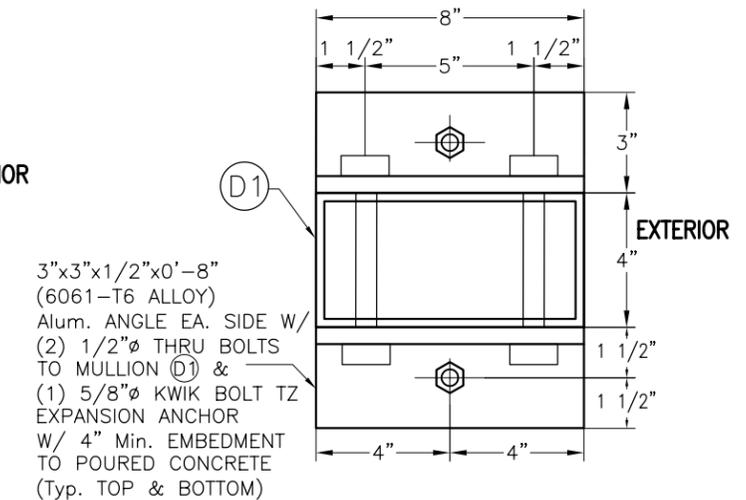
SECTION X1-X1 W/ (D) *
(W/ ORIENTATION # 1)



ALTERNATIVE SECTION X1-X1 W/ (D) *
(W/ ORIENTATION # 2)



SECTION X1-X1 W/ (D1) *
(W/ ORIENTATION # 1)



ALTERNATIVE SECTION X1-X1 W/ (D1) *
(W/ ORIENTATION # 2)

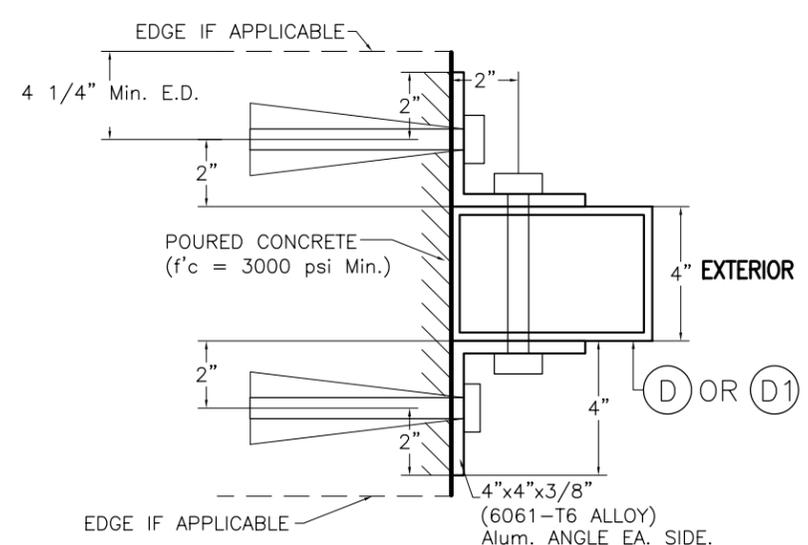
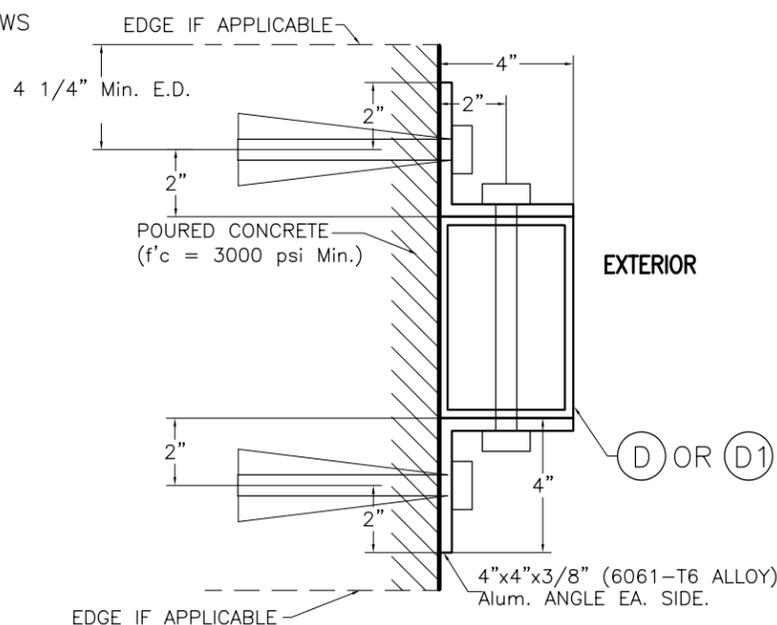
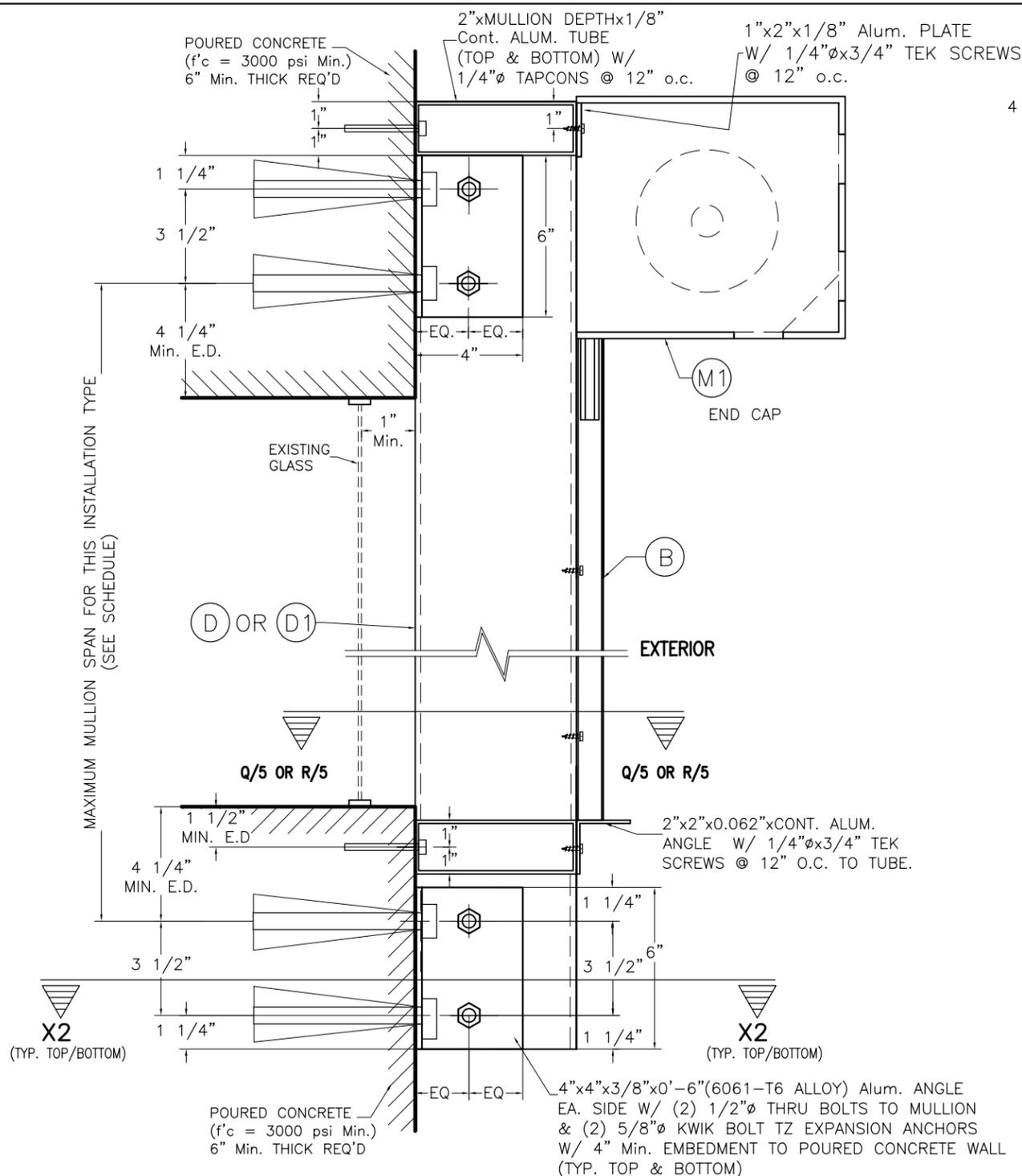
* SIDE RAIL (B) NOT SHOWN FOR CLARITY.
 IT GOES ON EXTERIOR SIDE OF MULLION.

END & INTERIOR TRAPPED MOUNTED MULLION INSTALLATION

SCALE: 3/16" = 1"

TDI 2006

WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER 6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531 TEXAS LIC. # 90691	BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM			L.G. DRAWN BY		
	ALUTECH UNITED INC. 15 DIXON STREET SELBYVILLE, DE 19975 PHONE: (800) 233-1144, FAX: (302) 436-5100			3/25/08 DATE		
			08-077 DRAWING No			
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
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2			4			



* SIDE RAIL (B) NOT SHOWN FOR CLARITY. IT GOES ON EXTERIOR SIDE OF MULLION.

**END & INTERIOR MULLION MAX. SPAN (ft) SCHEDULE
FOR A MAXIMUM DESIGN LOAD (p.s.f.), & A GIVEN MULLION SPACING (ft) ***
INSTALLATION INTO POURED CONCRETE

MAXIMUM DESIGN LOAD (p.s.f.)	MAXIMUM MULLION SPACING (FT)	MAXIMUM MULLION SPAN (FT): WALL MOUNTING							
		(D) 4"x6"x1/4" MULLION				(D1) 4"x8"x1/4" MULLION			
		ORIENTATION #1 (≡)		ORIENTATION #2 (□)		ORIENTATION #1 (≡)		ORIENTATION #2 (□)	
		END	INTERIOR	END	INTERIOR	END	INTERIOR	END	INTERIOR
+55, -55 OR LESS	15'-0 1/8"	7'-2"	8'-9"	6'-8"	10'-10"	8'-8"	9'-6"	7'-7"	12'-0"
+80, -80	15'-0 1/8"	6'-0"	7'-8"	5'-7"	9'-7"	7'-3"	8'-5"	6'-5"	11'-9"

* MAXIMUM MULLION SPACING SHALL BE SUCH THAT SLAT SPAN SHALL NOT BE EXCEEDED. SEE SHEET 5 FOR MULLION ORIENTATION DEFINITION.

**WALL MOUNTING : MULLION (D) OR (D1)
POURED CONCRETE WALL
SECTION W-2**

END & INTERIOR WALL MOUNTED MULLION INSTALLATION

SCALE: 3/16" = 1"

TDI 2006

WALTER A. TILLIT Jr. P.E. PROFESSIONAL ENGINEER 6355 N.W. 36 STREET, STE. 305 VIRGINIA GARDENS, FL 33166 PHONE (305) 871-1530 FAX (305) 871-1531 TEXAS LIC. # 90691	BARRACUDA II END RETENTION ROLL-UP SHUTTER SYSTEM	L.G. DRAWN BY																		
	ALUTECH UNITED INC. 15 DIXON STREET SELBYVILLE, DE 19975 PHONE: (800) 233-1144, FAX: (302) 436-5100	3/25/08 DATE																		
<table border="1"> <tr> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> <th>REV. No</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>TITLE BLOCK / P.E.#</td> <td>11/25/08</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td>4</td> <td></td> <td></td> </tr> </table>	REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	TITLE BLOCK / P.E.#	11/25/08	3			2			4			08-077 DRAWING No	SHEET 7 OF 7
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE															
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