

GENERAL NOTES AND SPECIFICATIONS:

1. DOOR SYSTEMS W/ SIDELITE & TRANSOM (ASSEMBLIES), SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAVE BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE **2018** EDITION OF THE INTERNATIONAL BUILDING CODE, (IBC).

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 PRODUCT WILL BE INSTALLED, AND FOR A DIRECTIONALITY FACTOR $K_d = 0.85$, IN ACCORDANCE WITH ASCE **7-16** STANDARD, AND SHALL NOT EXCEED THE DESIGN PRESSURE RATING INDICATED ON SHEET 2.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. **2018**.

THIS DOOR'S ADEQUACY FOR IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION **1609.2** OF THE ABOVE MENTIONED CODE AS PER FLORIDA HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS-201, TAS-202, TAS-203 AS PER CERTIFIED TESTING LABORATORY, REPORT #CTLA 1992W AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION **1604** OF ABOVE MENTIONED CODE. SIDE LITES & TRANSOMS INDICATED ON THIS DRAWINGS MAY BE USED JOINTLY WITH OTHER APPROVED DOORS (SEE NOTE 9 FOR WATER INFILTRATION LIMITS). MAXIMUM DESIGN PRESSURE RATING WILL BE THE LEAST BETWEEN THE APPROVED DOOR AND ± 50.0 psf.

2. ALL COMPONENTS SHALL BE AS SPECIFIED ON SHEET 4 AND AT BILL OF MATERIALS ON SHEET 3 OF THIS DRAWING.

3. COMPLIANCE OF EGRESS / ESCAPE REQUIREMENTS OF DOORS PER INTERNATIONAL BUILDING CODE TO BE DETERMINED BY BUILDING OFFICIALS ON A CASE-BY-CASE BASIS.

4. ALL SCREWS INSTALLED TO BE STAINLESS STEEL 304 OR 316 AISI SERIES AND MEET ASTM A167, OR HOT DIPPED GALVANIZED (AFTER FABRICATION) CARBON STEEL AS PER ASTM A 123 OR ASTM A153, OR HOT DIPPED GALVANIZED OR GALVANNEALED (PRIOR TO FABRICATION) AND MEET ASTM A653 WITH 50 ksi YIELD STRENGTH AND 90 hsi TENSILE STRENGTH. BOLTS TO BE ASTM A-307 GALVANIZED STEEL OR AISI 304 SERIES STAINLESS STEEL, WITH 35 Ksi MINIMUM YIELD STRENGTH.

5. ALL WELDING TO CONFORM W/AMERICAN WELDING SOCIETY A.W.S. D.1.3 AND D-19.0 REGULATIONS WITH E60XX ELECTRODES, FOR GALVANNEALED MATERIAL, AND W/AMERICAN WELDING SOCIETY A.W.S. D.1.6 REGULATIONS W/ E-308 ELECTRODES (FU=80k.s.i.) FOR STAINLESS STEEL MATERIAL

6. ALL ANCHORS FOR FRAME CONNECTIONS TO EXISTING STRUCTURE SHALL BE AS SPECIFIED ON SHEET 12 OF THIS DRAWING. MAXIMUM ANCHORS SPACINGS SHALL BE AS PER SCHEDULE ON SHEET 12 AND ELEVATIONS ON SHEET 2 OF THIS DRAWING. SEE SHEETS 2 & 12 FOR THRESHOLD ANCHORS, AND SHEET 11 FOR MULLION ANCHORS.

7. PROVIDE MAX. LOAD BEARING SHIM SPACE AS INDICATED ON SHEETS 6 & 7.

8. ASSEMBLIES WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE. DOOR MEETS IMPACT RESISTANCE FOR TYPE "D" MISSILE FOR BASIC PROTECTION.

9. THESE ASSEMBLIES (DOOR SHOWN ON THIS DRAWING OR ANY OTHER APPROVED DOOR PLUS SIDE LITES & TRANSOM) ARE NOT APPROVED FOR WATER AND AIR INFILTRATION, AND SHALL NOT BE USED WHERE WATER INFILTRATION IS REQUIRED. HOWEVER, ASSEMBLIES THAT DO NOT INCLUDE DOORS ARE APPROVED FOR WATER & AIR INFILTRATION.

10. PROVIDE SPECIFIED SEALANT AT ALL DOOR FRAME, THRESHOLD AND AT SIDELITE TRANSOM FRAME, AS INDICATED ON THIS DRAWING.

11. ALL EXISTING WALLS (STRUCTURE) WHERE DOOR IS TO BE INSTALLED MUST BE BUILT IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND SHALL BE DESIGNED TO SUSTAIN THE SUPERIMPOSED LOADS TRANSFERRED BY THE DOOR SYSTEM.

12. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, $G = 0.55$.

13. PRODUCT SHALL COMPLY WITH SECTION 2406 OF THE INTERNATIONAL BUILDING CODE.

14. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION 6 OF THE ALUMINUM DESIGN MANUAL 2015 EDITION.

15. SHOP DRAWINGS PREPARED BASED ON THIS APPROVAL AND TAKING INTO ACCOUNT THE SPECIFIC JOB CONDITIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS PART OF THE PERMIT DOCUMENTS.

16. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO SUSTAIN THE SUPERIMPOSED LOADS TRANSFERRED BY THESE DOORS AND SIDELITE/STRANSOM SYSTEM.

17. (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 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.

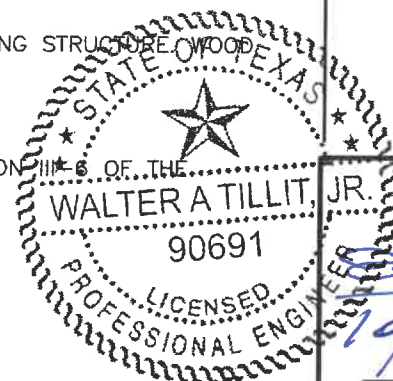
(e) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

18. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH TEXAS DEPARTMENT OF INSURANCE REQUIREMENTS. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.

SHEETS CONTENT:

- SHEET #1 INDEX, COVER SHEET & GENERAL NOTES
- SHEET #2 ASSEMBLY ELEVATIONS.
- SHEET #3 BILL OF MATERIALS.
- SHEET #4 COMPONENTS.
- SHEET #5 GLAZING DETAILS.
- SHEET #6 VERTICAL AND HORIZONTAL SECTIONS.
- SHEET #7 HORIZONTAL SECTIONS AT HARDWARE.
- SHEET #8 VERTICAL SECTIONS AT HARDWARE.
- SHEET #9 DOOR PANELS HORIZONTAL SECTIONS AT DOOR PANELS.
- SHEET #10 RIM EXIT DEVICE W/ REMOVABLE MULLION.
- SHEET #11 FRAMING DETAILS AND MULLION INSTALLATION DETAILS.
- SHEET #12 ANCHOR DETAILS & MAX. SPACING SCHEDULE.

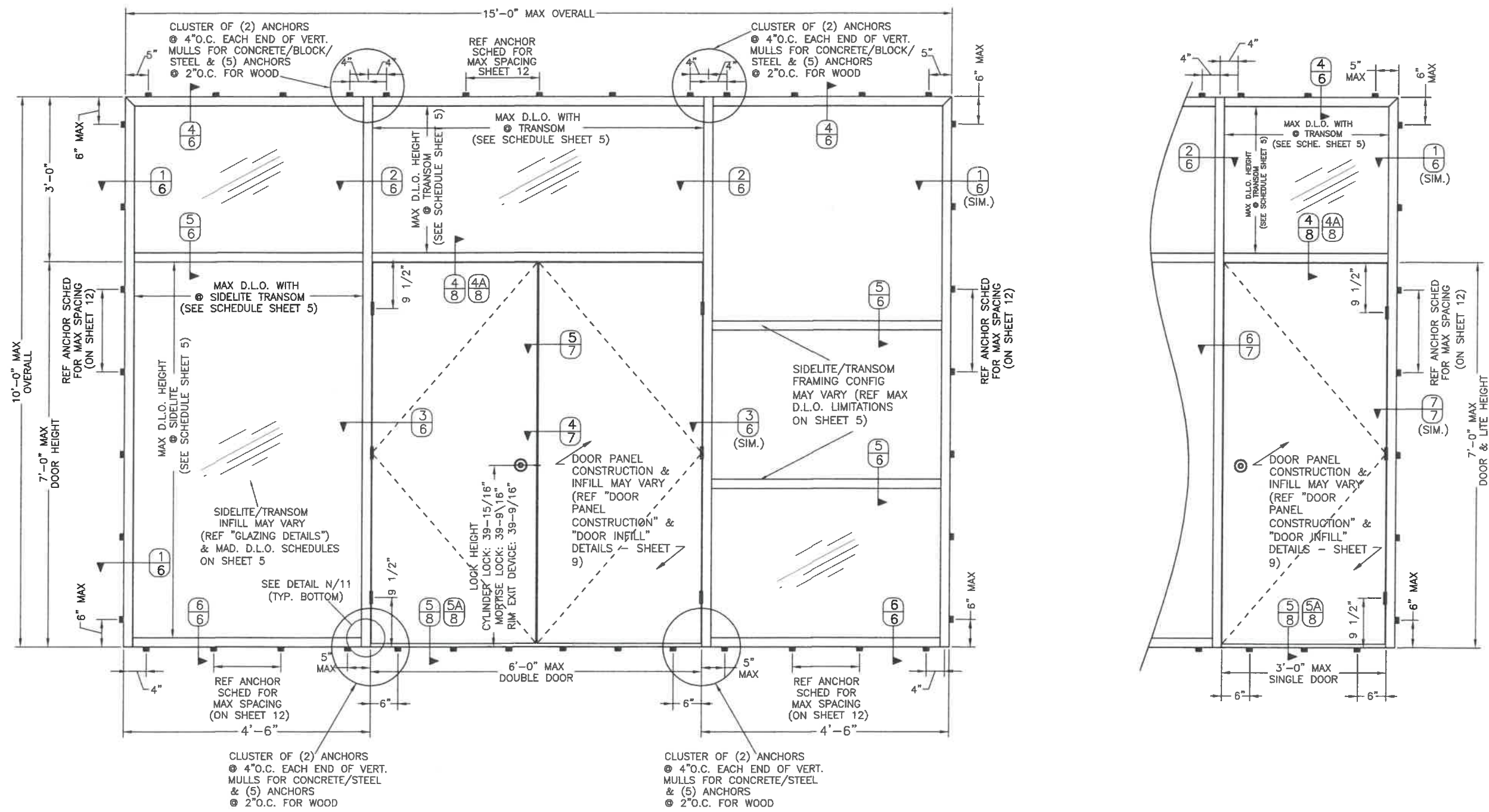
THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS UNDER THE TEXAS DEPARTMENT OF INSURANCE JURISDICTION



[Signature]
P.E. SEAL/SIGNATURE/DATE

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
FIRM REGISTRATION # F-13790

TEXAS DEPARTMENT OF INSURANCE - 2018					
DOUBLE & SINGLE COMMERCIAL OUTSWING & INSWING GALVANNEAL OR STAINLESS STEEL DOOR, FLUSH, EMBOSSED, W/ VISION LITE OR LOUVER KITS WITH SIDE LITES & TRANSOMS OF DIFFERENT INFILLS					DRAWN BY: M.P.
DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, L7L 2J4 TEL: 905 625-8000 FAX: 905 625-4204					9/29/2021 DATE
					21-124 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 17-055	9/29/21	3	-	-
2	-	-	4	-	-
					SHEET 1 OF 12



**TYPICAL EXTERIOR ELEVATION FOR STEEL DOOR SYSTEMS
(DOUBLE & SINGLE) WITH SIDELITES & TRANSOMS**

**MAXIMUM DESIGN PRESSURE
RATING:
+50.0, -50.0 PSF**

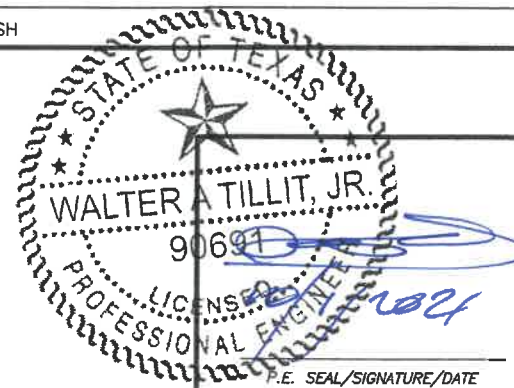
WALTER A. TILLIT, JR.
 90691
 LICENSED PROFESSIONAL ENGINEER
 P.E. SEAL/SIGNATURE/DATE

WALTER A. TILLIT Jr P.E.
 PROFESSIONAL ENGINEER
 6355 N.W. 36 STREET, STE. 305
 VIRGINIA GARDENS, FL 33166
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BILL OF MATERIALS:

ITEM	DESCRIPTION	MATERIAL	SIZE AND SPEC'S
①	FRAME MULLION CLIPS ("L" & "U") PERIMETER FRAME (HEAD, SILL, JAMB)	16ga (0.051") GALVANNEALED STEEL: ASTM A653, TYPE B, WITH A40 PAINTABLE GALVANNEAL COATING	(Fy=45ksi, Fu=52ksi) OR AISI 304 SERIES STAINLESS STEEL (Fy=45ksi, Fu=101ksi).
②	FRAME MULLION (VERT & HORIZ)	SAME AS ITEM #1	
③	FRAME MULLION REINFORCEMENT	14ga GALV STEEL	
④	DOOR PANEL ASSEMBLY (FLUSH OR EMBOSSED)	GALVANNEALED STEEL: ASTM A924, ASTM A653, TYPE B, WITH A40 PAINTABLE GALVANNEAL COATING	(Fy=45ksi, Fu=60ksi) OR AISI 304 SERIES STAINLESS STEEL (Fy=45ksi, Fu=101ksi)
⑤	THRESHOLD: NATIONAL GUARD PRODUCTS #950NA	EXTRUDED ALUMINUM 6063-T5	
⑥	SECURITY LOUVER KIT: AIR LOUVERS MODEL 1500-A	PER MANUFACTURER'S SPECS	
⑦	DOOR SNAP-IN TOP CAP	20ga GALVANNEAL STEEL (ASTM A653 WITH G60 COATING) OR STAINLESS STEEL(AISI 304SERIES)	
⑧	GLAZING STOP	GALVANNEAL STEEL OR STAINLESS STEEL	
⑨	FRAME MULLION CLIP ("U")	GALVANNEAL STEEL OR STAINLESS STEEL	USE "U" CLIP ⑨ AT BOTTOM ALWAYS
⑩	HINGES: HAGER #BB-1279	STEEL (PER MFR'S SPECS)	
⑪	RIM EXIT DEVICE: VON DUPRIN 98/99L W/ 499F STRIKE	PER MFR'S SPECS	
⑫	REMOVABLE MULLION: VON DUPRIN #9954	PER MFR'S SPECS	
⑬	CYLINDRICAL LOCK: SCHLAGE "D" SERIES	PER MFR'S SPECS	
⑭	DEAD BOLT: SCHLAGE "B" SERIES	PER MFR'S SPECS	
⑮	MORTISE LOCKSET W/ DEADBOLT: SCHLAGE L9000 SERIES	PER MFR'S SPECS	
⑯	SURFACE BOLT: HAGER #275D (8" LONG)	PER MFR'S SPECS	
⑰	"Z" ASTRAGAL	ASTM A500, GRADE 'B' GALVANNEAL STEEL OR STAINLESS STEEL	
⑱	PRESS-ON BULB WEATHERSTRIPPING: NATIONAL GUARD PRODUCTS #361	NEOPRENE, SELF-ADHESIVE	
⑲	DOOR STILE HINGE REINFORCEMENT	8ga GALVANNEAL STEEL OR STAINLESS STEEL	
⑳	FRAME HINGE REINFORCEMENT	8ga GALVANNEAL STEEL OR STAINLESS STEEL	
㉑	ASTRAGAL STRIKE REINFORCEMENT	12ga GALVANNEAL STEEL OR STAINLESS STEEL	
㉒	FRAME STRIKE REINFORCEMENT	GALVANNEAL STEEL OR STAINLESS STEEL	
㉓	MORTISE LOCK & RIM EXIT DEVICE REINFORCEMENT	0.074" MIN GALVANNEAL STEEL OR STAINLESS STEEL	
㉔	CYLINDRICAL LOCK AND DEADBOLT REINFORCEMENT	STEEL, SATIN COATING	
㉕	DOOR SURFACE BOLT REINFORCEMENT: 1.688" x 3.5" x 9"	14ga (0.074") GALVANNEAL STEEL OR STAINLESS STEEL	
㉖	DOOR CLOSER REINFORCEMENT	GALVANNEAL STEEL OR STAINLESS STEEL	
㉗	BUTTERFLY ANCHOR CLIP: EMA #PT1-008	STEEL	18 GAUGE STEEL SATIN COAT.
㉘	MASONRY WIRE ANCHOR	STEEL: Fy=40ksi, Fu=96ksi	9 1/2" LONG X 0.157" MIN. DIAMETER.
㉙	MULLION FITTING #8620	STEEL	USE AT ⑫
㉚	WIRE MASONRY FRAME ANCHORS	STEEL W/ MIN. YIELD STRENGTH = 40.2Ksi AND MIN. TENSILE STRENGTH = 95.9 Ksi	9 1/2" LONG X 0.157" MIN. DIAMETER.
㉛	CAULKING GE SILICONE II	SILICONE	AS SHOWN ON DETAIL.
㉜	SURFACE STRIKE REINFORCEMENT	12 GAGE GALVANNEAL OR STAINLESS STEEL	12 GAGE (0.097" MIN.) x 154" x 11.875" LONG (SEE SHEET 10).
㉝	DOOR SNAP-IN TOP/BOTTOM CAP: 1.5625" x 1.00"	20ga (0.032") GALVANNEAL STEEL (ASTM A653 WITH G60 COATING) OR STAINLESS STEEL (AISI 304 SERIES)	
㉞	DOOR TOP/BOTTOM CHANNEL: 1.6875" x 1.439"	16ga (0.051") GALVANNEAL STEEL (ASTM A653 WITH G60 COATING) OR STAINLESS STEEL (AISI 304 SERIES)	
㉟	499F STRIKE FOR RIM EXIT DEVICE ⑪	0.125" THICK, STEEL, PAINTED FINISH	SEE SHEET 4A FOR SIZES
㊱	STRIKE FOR DEAD BOLT ⑭	0.095" THICK, STEEL, NICKEL FINISH	SEE SHEET 4A FOR SIZES
㊲	STRIKE FOR CYLINDRICAL LOCK ⑬	0.095" THICK, STEEL, NICKEL FINISH	SEE SHEET 4A FOR SIZES
㊳	STRIKE FOR MORTISE LOCK ⑮	0.095" THICK, STEEL, NICKEL FINISH	SEE SHEET 4A FOR SIZES



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 TEXAS LIC. # 90691
 FIRM REGISTRATION # F-13790

TEXAS DEPARTMENT OF INSURANCE - 2018

DOUBLE & SINGLE COMMERCIAL OUTSWING & INSWING
 GALVANNEAL OR STAINLESS STEEL DOOR, FLUSH,
 EMBOSSED, W/ VISION LITE OR LOUVER KITS WITH SIDE
 LITES & TRANSOMS OF DIFFERENT INFILLS

DRAWN BY:
M.P.

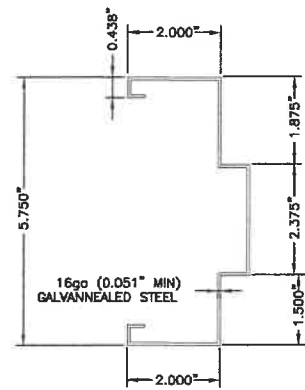
9/29/2021
DATE

DAYBAR INDUSTRIES LTD

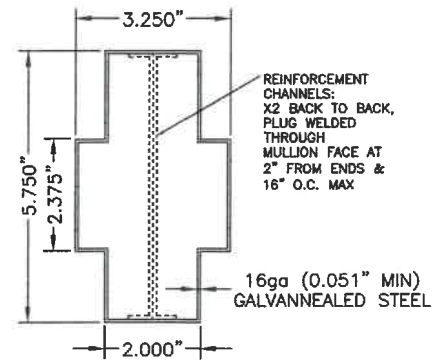
50 WEST DRIVE, BRAMPTON,
 ON CANADA, L6T 2J4
 TEL: 905 625-8000 FAX: 905 625-4204

21-124
DRAWING No

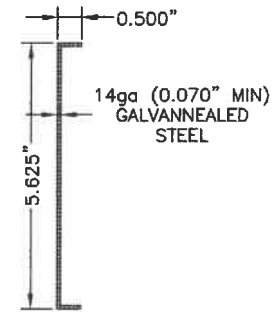
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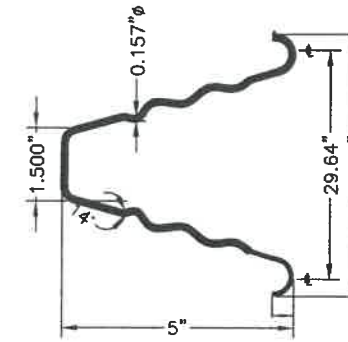
① PERIMETER FRAME



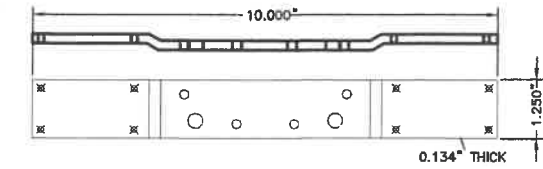
② FRAME MULLION



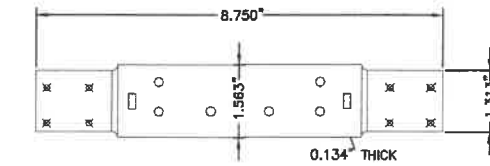
③ FRAME MULLION REINFORCEMENT



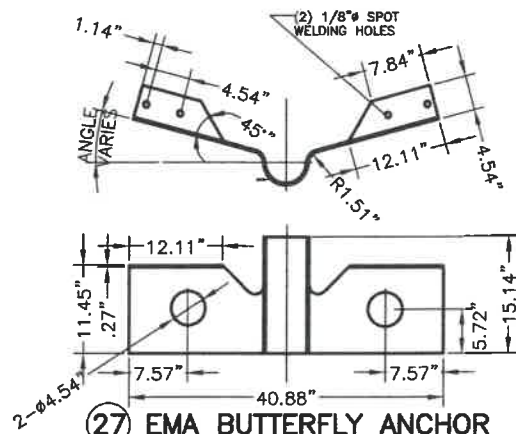
③⑤ WIRE ANCHOR FOR DETAIL #1/12
STEEL WIRE ANCHORS
(0.157" DIA, 9 1/2" LONG) IN HORIZ.
Fu Min.=95.9 Ksi, Fy Min.=40.2 Ksi



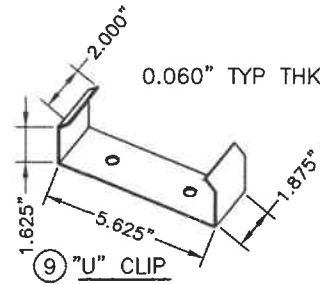
⑱ DOOR STILE HINGE REINF



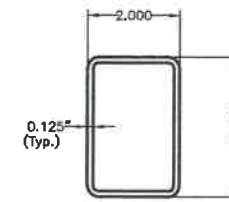
⑳ FRAME/MULL HINGE REINF



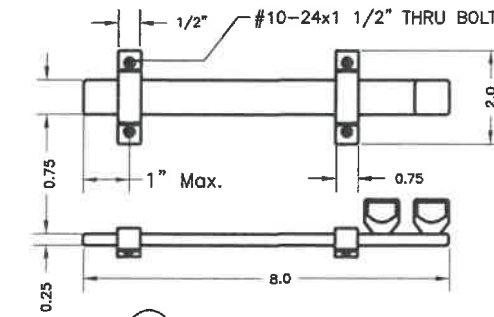
⑳⑦ EMA BUTTERFLY ANCHOR (PART #PT1-008)
FOR DETAILS 2/10, 3/10, 4/10 & 6/10
MATERIAL: 18 GA SATIN COAT



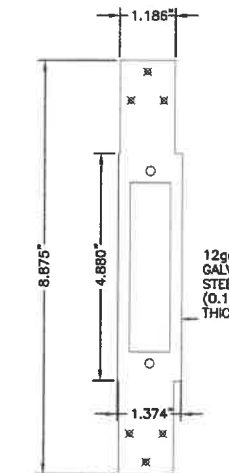
⑨ MULL ANCHOR CLIP



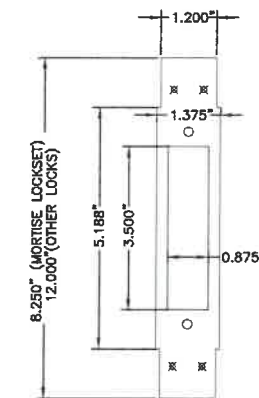
⑫ REMOVABLE MULLION



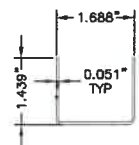
⑯ SURFACE BOLT



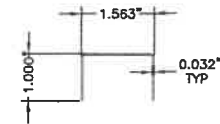
⑳① ASTRAGAL STRIKE REINF



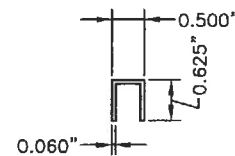
⑳② FRAME/MULL STRIKE REINF



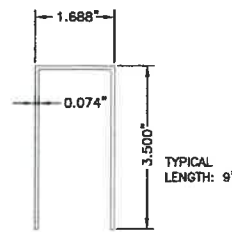
⑳③ DOOR TOP/BOTTOM CHANNEL



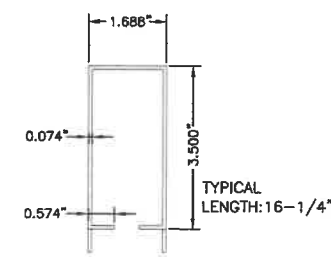
⑳④ DOOR SNAP-IN TOP/BOTTOM CAP



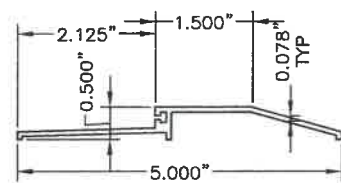
⑳⑧ GLAZING STOP



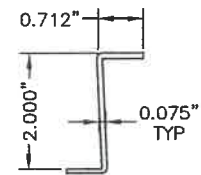
⑳⑤ SURFACE BOLT REINFORCEMENT



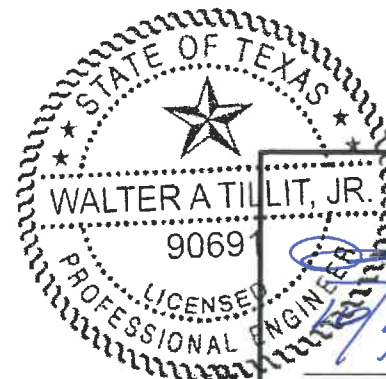
⑳⑥ DOOR CLOSER REINFORCEMENT



⑵ THRESHOLD



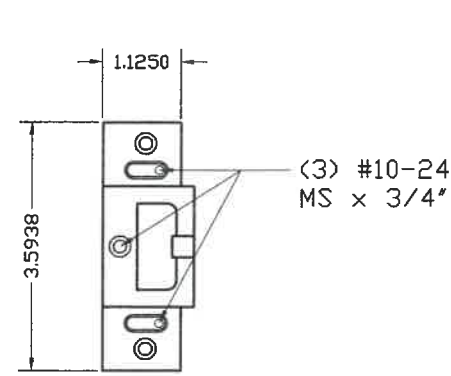
⑵⑦ "Z" ASTRAGAL



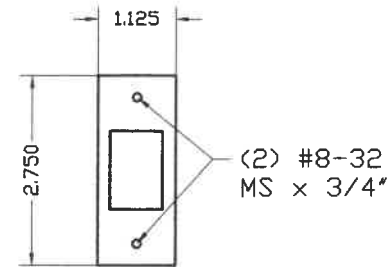
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90691
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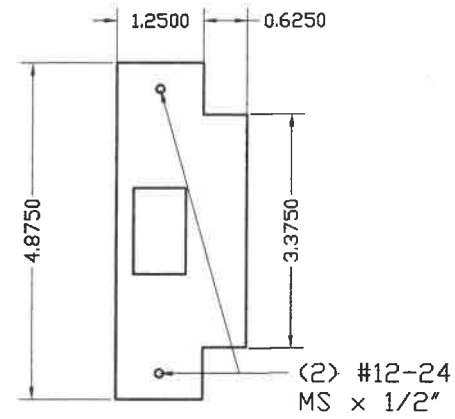
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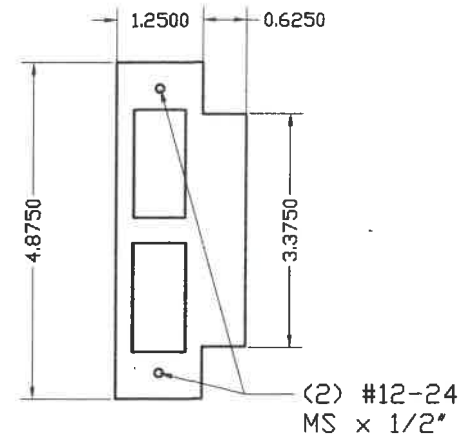
44 499 F STRIKE FOR RIM EXIT DEVICE (11)
 MATERIAL: (0.125") Steel, Painted Finish



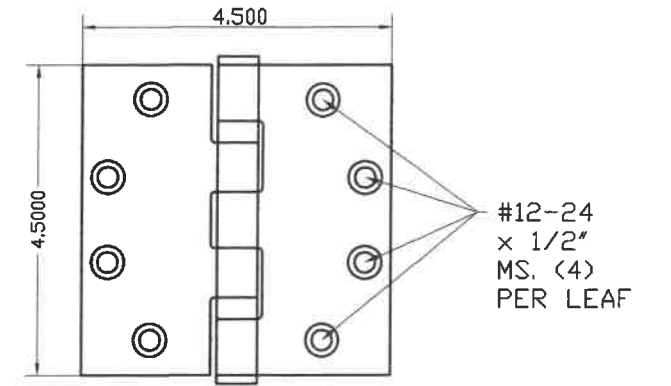
45 STRIKE FOR DEAD BOLT (14)
 MATERIAL: (0.095) Steel, Nickel Finish



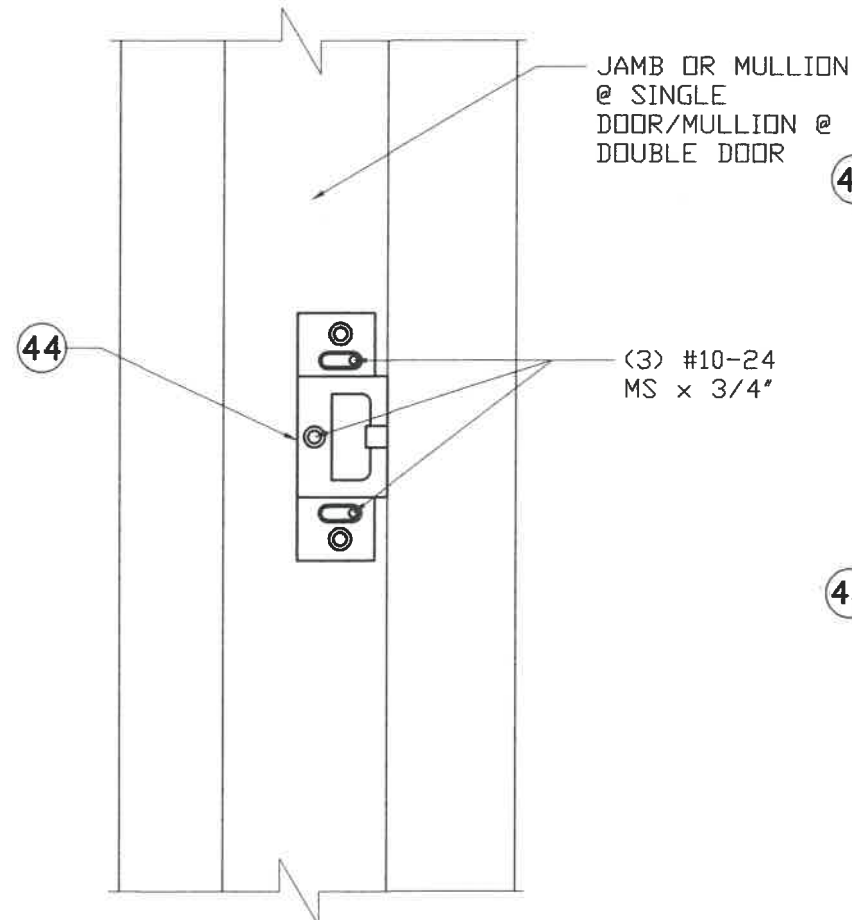
46 STRIKE FOR CILINDRICAL LOCK (13)
 MATERIAL: (0.095) Steel, Nickel Finish



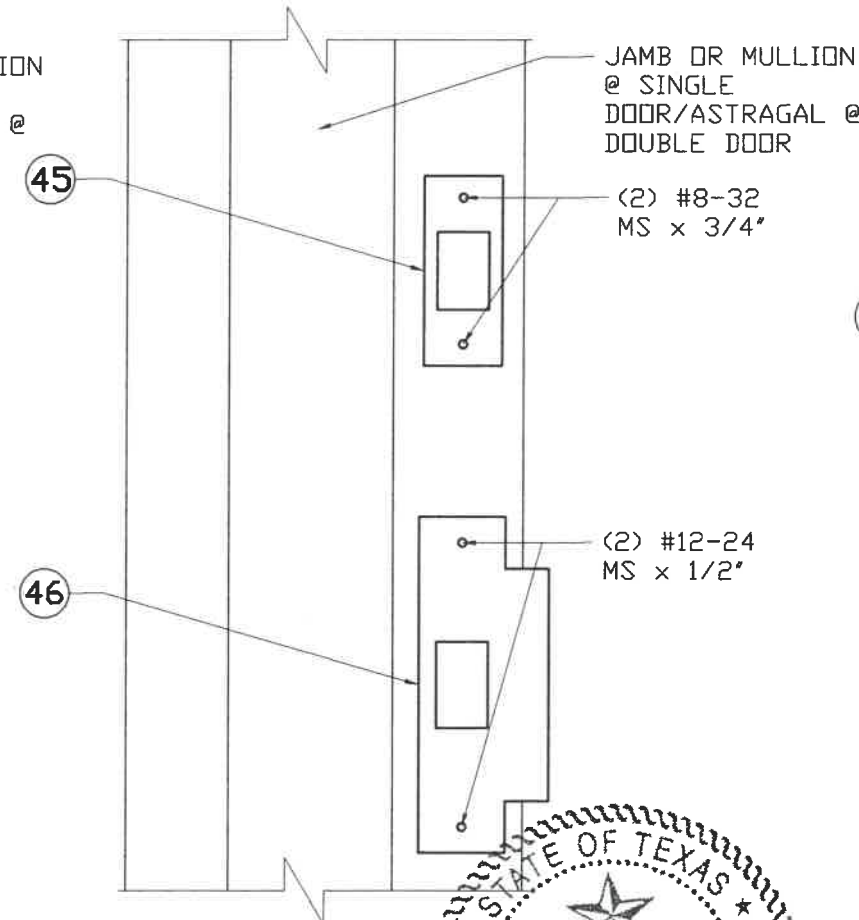
47 STRIKE FOR MORTISE LOCK (15)
 MATERIAL: (0.095) Steel, Nickel Finish



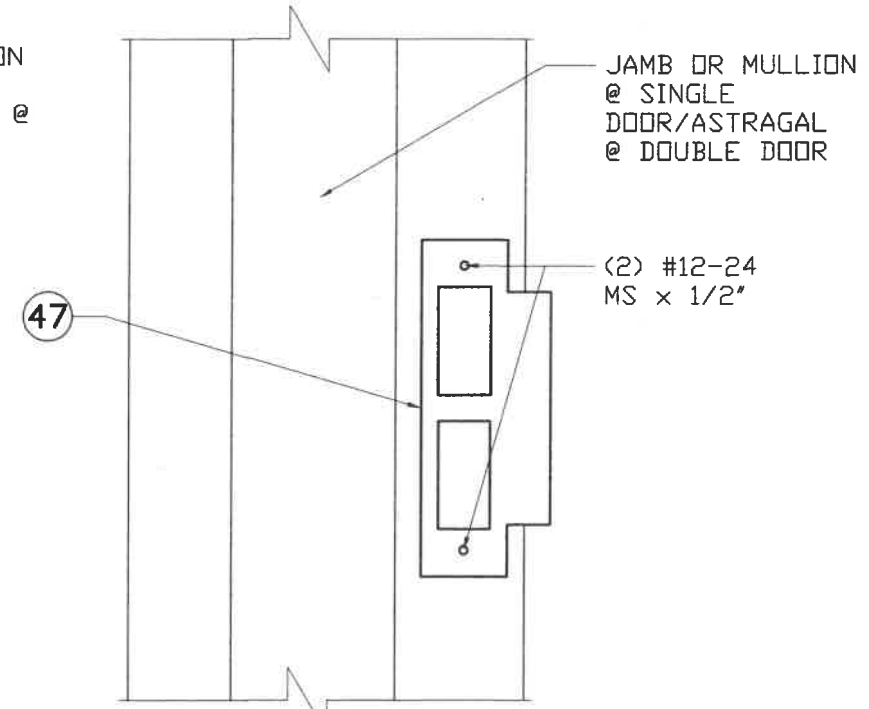
10 HINGE-HAGER
 MATERIAL: 0.134" STEEL, NICKEL FINISH



STRIKE DETAIL ELEVATION
 Rim Exit Device



STRIKE DETAIL ELEVATION
 Latch & Deadbolt

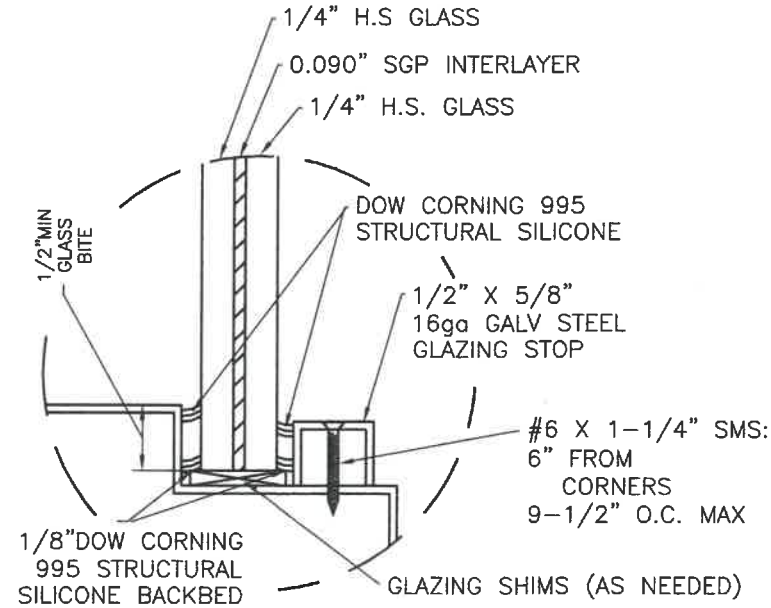


STRIKE DETAIL ELEVATION
 Mortised Device Latch

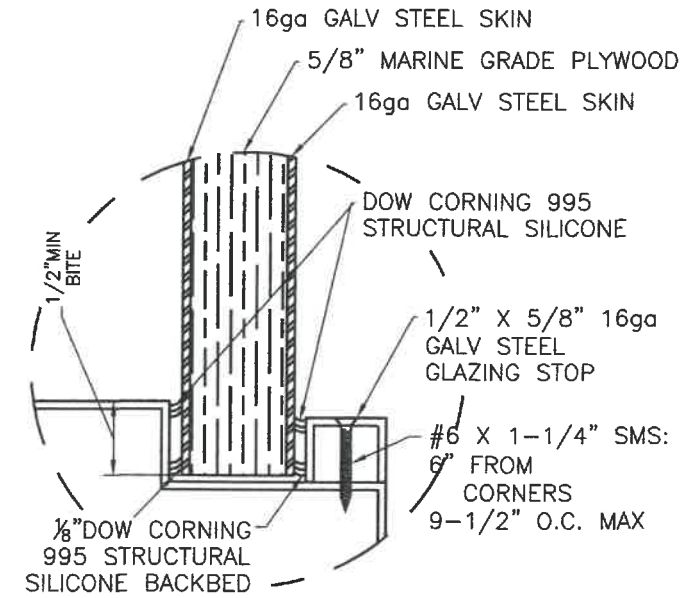
STATE OF TEXAS
 WALTER A. TILLIT, JR.
 90691
 LICENSED PROFESSIONAL ENGINEER
 P.E. SEAL/SIGNATURE/DATE

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
 FIRM REGISTRATION # F-13790

TEXAS DEPARTMENT OF INSURANCE - 2018					
DOUBLE & SINGLE COMMERCIAL OUTSWING & INSWING GALVANNEAL OR STAINLESS STEEL DOOR, FLUSH, EMBOSSED, W/ VISION LITE OR LOUVER KITS WITH SIDE LITES & TRANSOMS OF DIFFERENT INFILLS					DRAWN BY: M.P.
DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4 TEL: 905 625-8000 FAX: 905 625-4204					9/29/2021 DATE
					21-124 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 17-055	9/29/21	3	-	-
2	-	-	4	-	-



(G1) GLAZING INFILL: OPTION #1
9/16" LAMINATED GLASS *



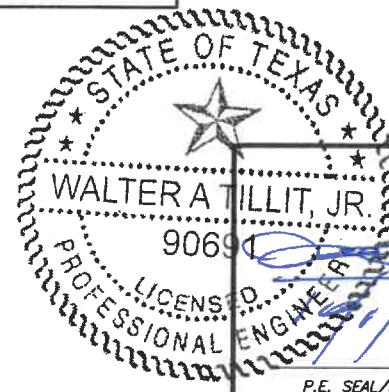
(P1) STEEL PANEL INFILL: OPTION #2
5/8" STEEL-CLAD PANEL *

GLAZING DETAILS AT SIDELITE & TRANSOM

* SEE SCHEDULE FOR MAX. DLO BELOW

MAX. DLO FOR (G1) & (P1)

INFILL	MAX DLO WIDTH	MAX DLO HEIGHT
(G1)	50"	82"
(P1)	50"	32"



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DRAWN BY:
M.P.

DAYBAR INDUSTRIES LTD

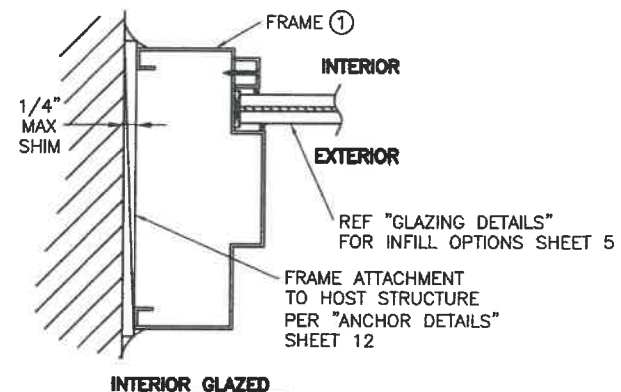
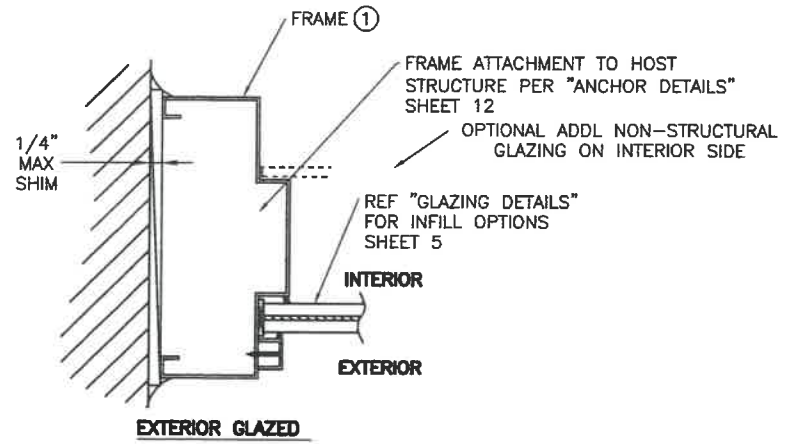
50 WEST DRIVE, BRAMPTON,
 ON CANADA, L6T 2J4
 TEL: 905 625-6000 FAX: 905 625-4204

9/29/2021
DATE

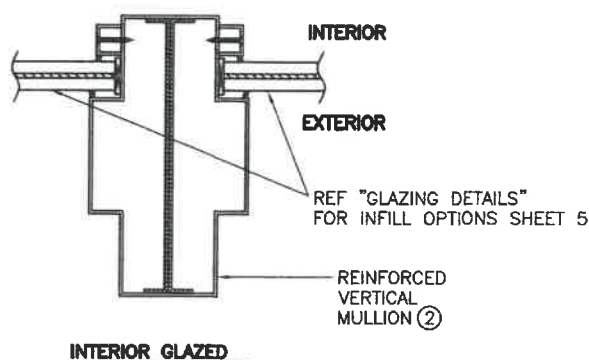
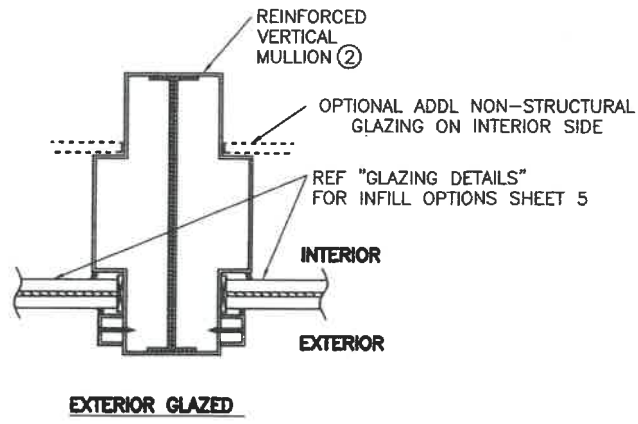
21-124
DRAWING No

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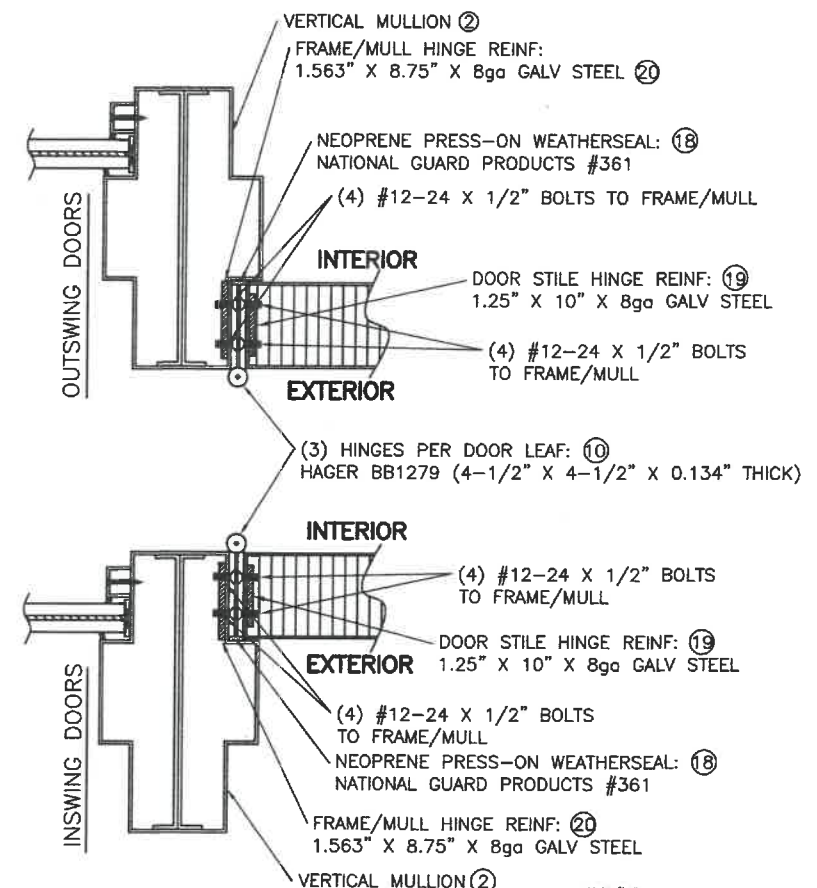
SHEET 5 OF 12



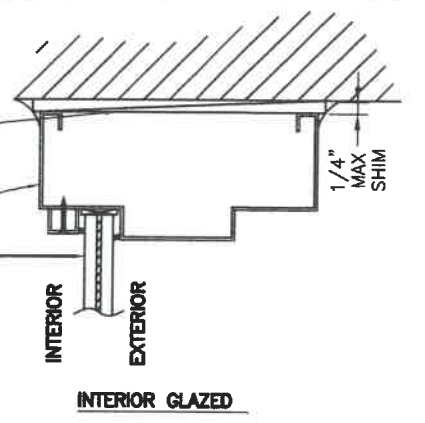
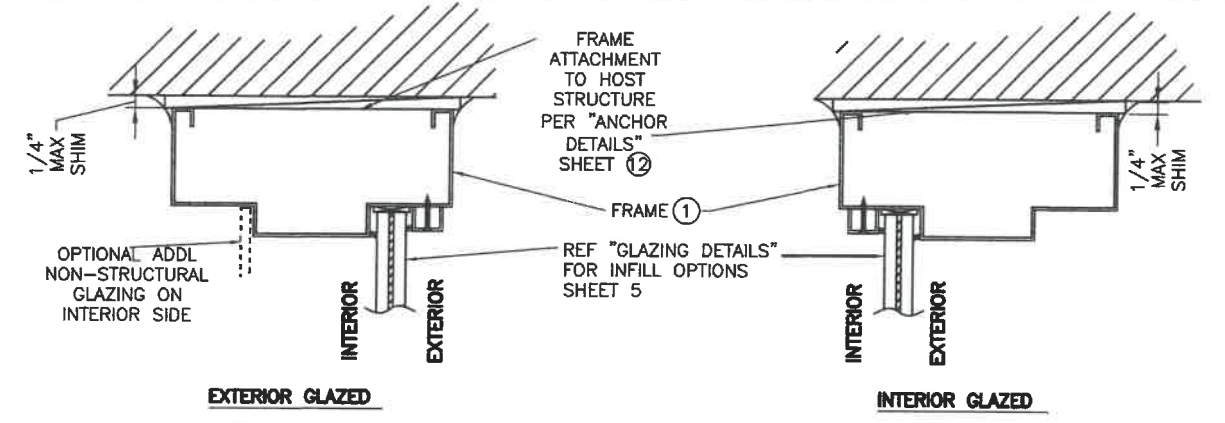
1
6
SIDELITE/TRANSOM
FRAME AT JAMB



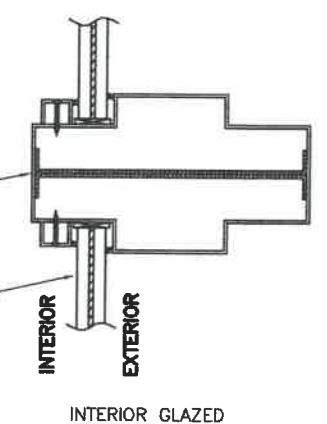
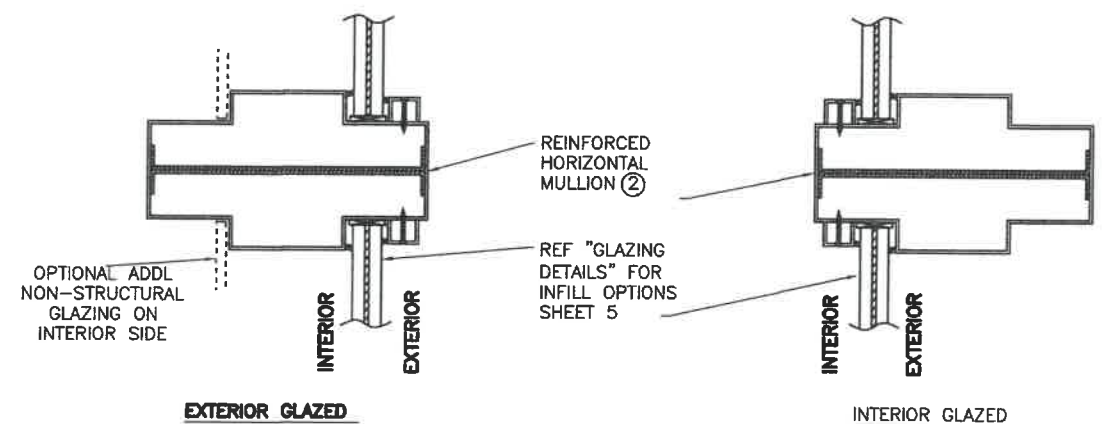
2
6
SIDELITE/TRANSOM
VERTICAL MULLION



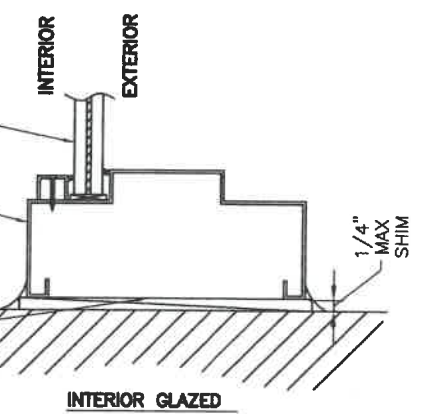
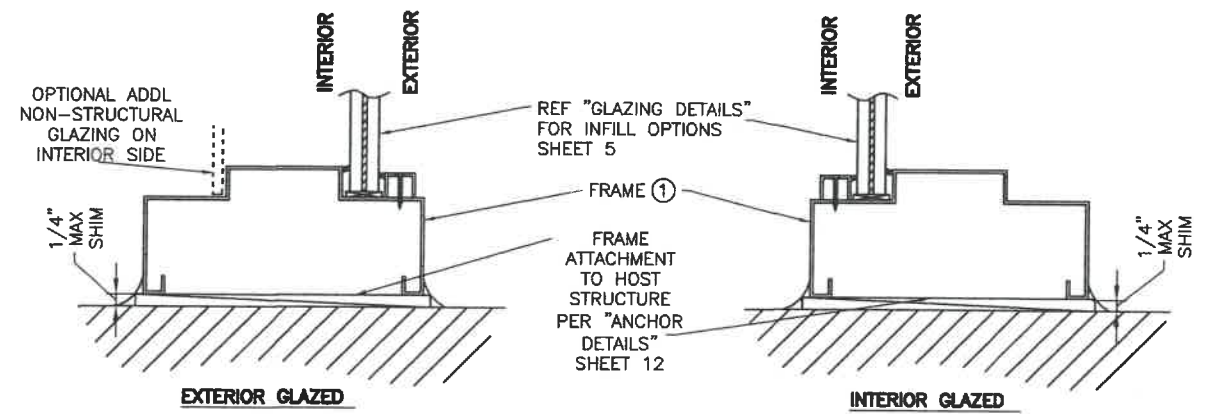
3
6
DOOR HINGE STILE



4
6
SIDELITE/TRANSOM FRAME AT HEAD



5
6
SIDELITE/TRANSOM HORIZONTAL MULLION

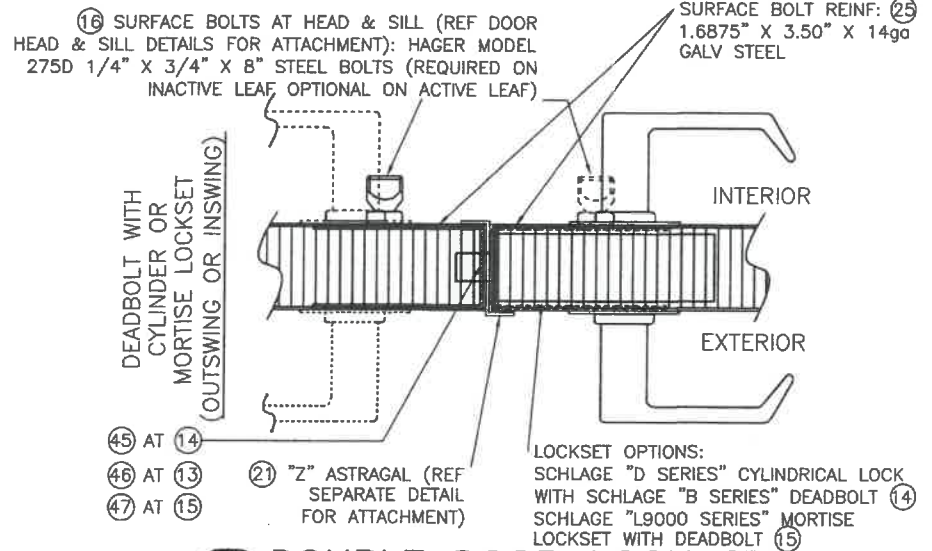
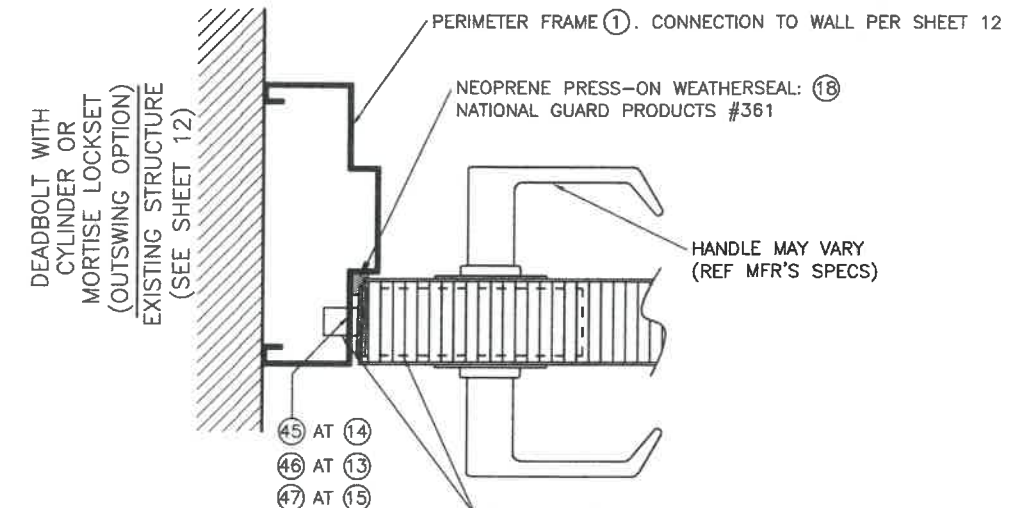
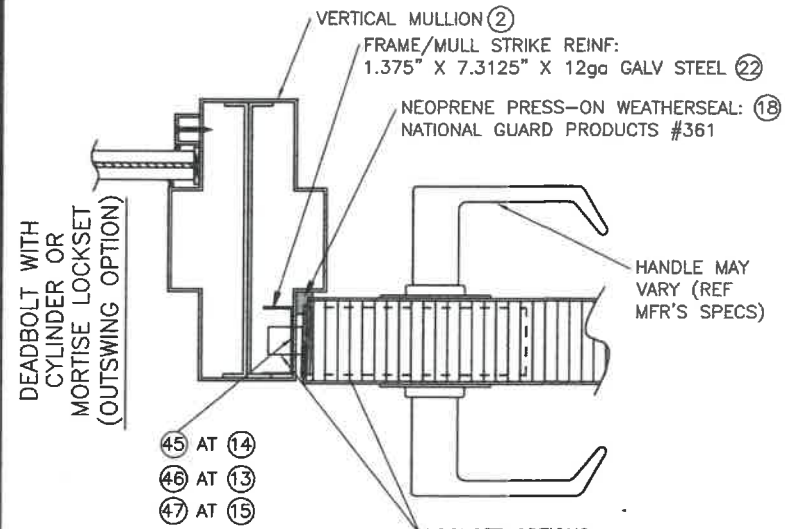
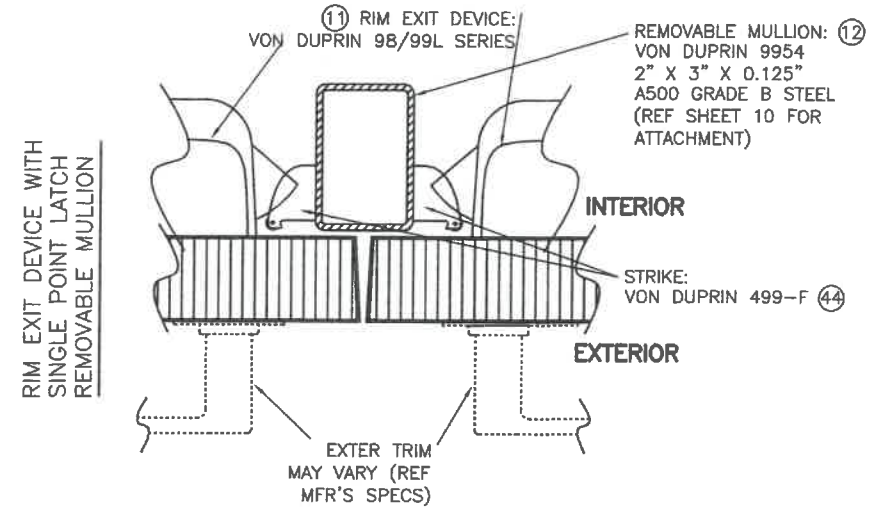
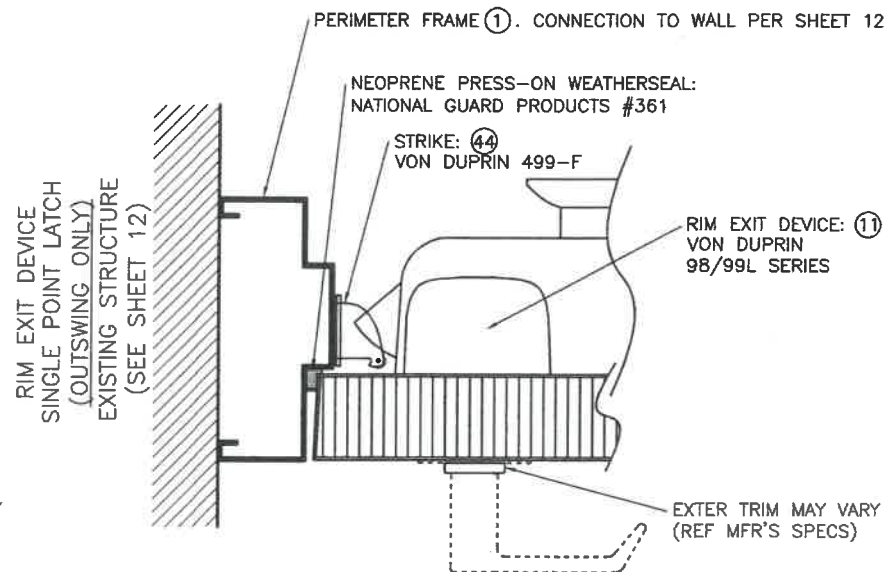
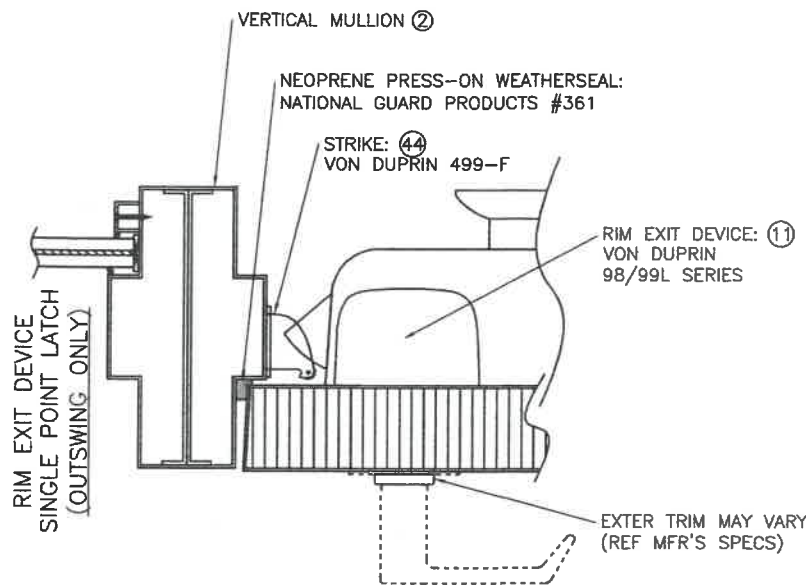


6
6
SIDELITE/TRANSOM FRAME AT SILL

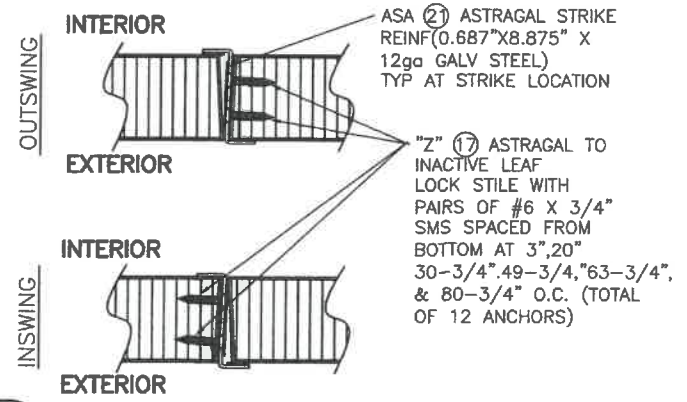
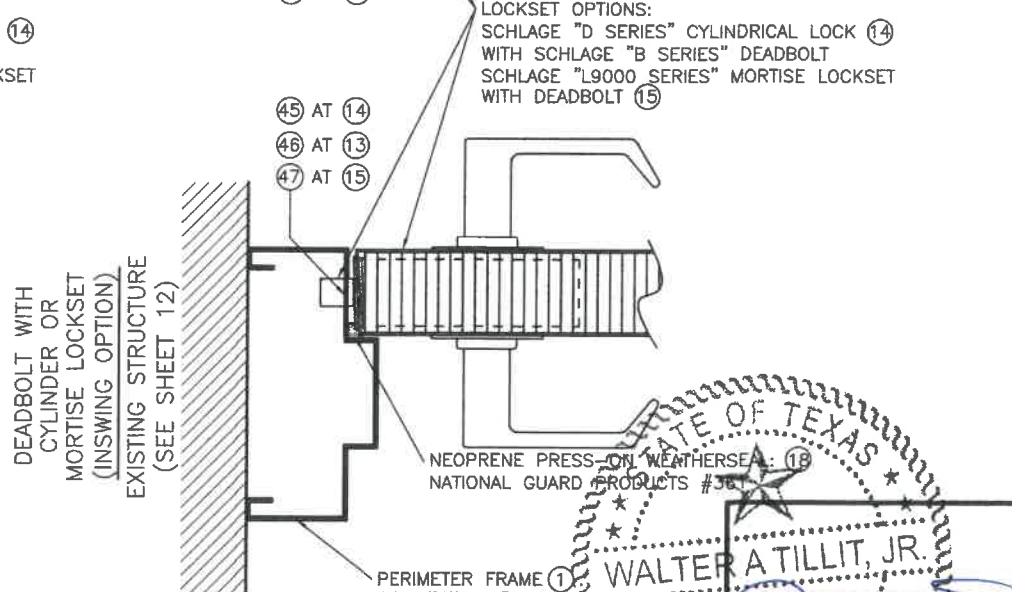
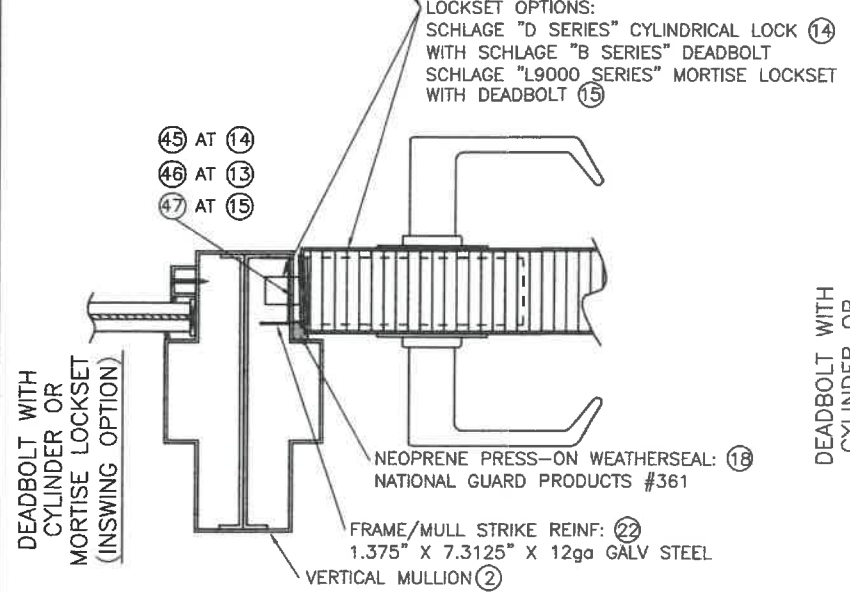
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PROFESSIONAL ENGINEER
6355 N.W. 36 STREET, STE. 305
VIRGINIA GARDENS, FL 33166
PHONE(305) 871-1530 FAX (305) 871-1531
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FIRM REGISTRATION # F-13790

TEXAS DEPARTMENT OF INSURANCE - 2018					
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DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4 TEL: 905 625-8000 FAX: 905 625-4204					9/29/2021 DATE
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2	-	-	4	-	-



4 DOUBLE DOOR LOCK STILES



5 "Z" ASTRAGAL ATTACHMENT

6 SINGLE DOOR LOCK STILE

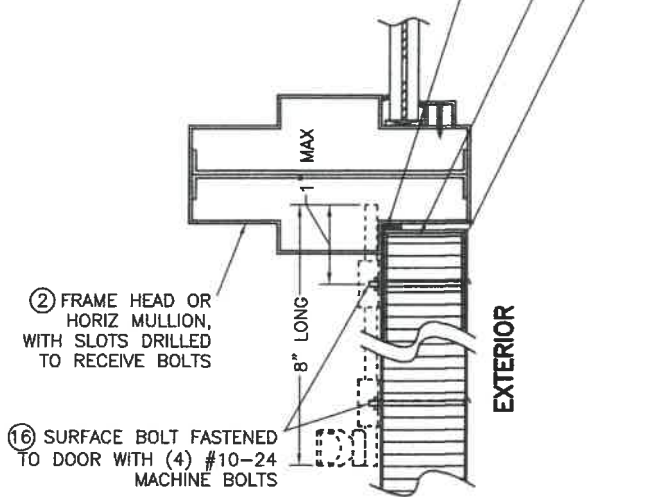
7 SINGLE DOOR LOCK STILE

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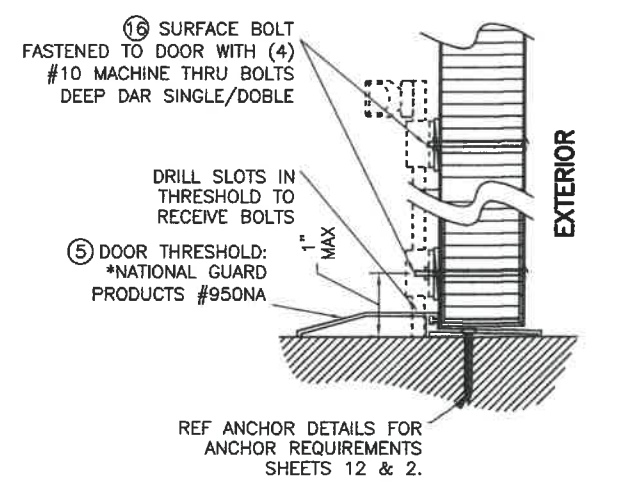
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- ⑦ TOP CAP: 1.5625" X 1.0" X 20ga GALV STEEL SECURED WITH GE SILICONE II
- ⑫ NOT SHOWN: SURFACE-MOUNTED DOOR CLOSER (MAY VARY) & REINF (3.5" X 1.6875" X 14ga GALV STEEL)
- ⑬ NEOPRENE PRESS-ON WEATHERSEAL: * NATIONAL GUARD PRODUCTS #361



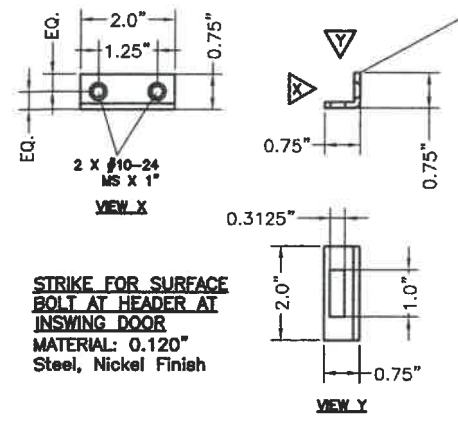
NOTE: THIS DETAIL IS APPLICABLE TO OUTSWING DOORS

4 DOOR HEAD
8 SCALE: 3"=1'0" VERT SECTION



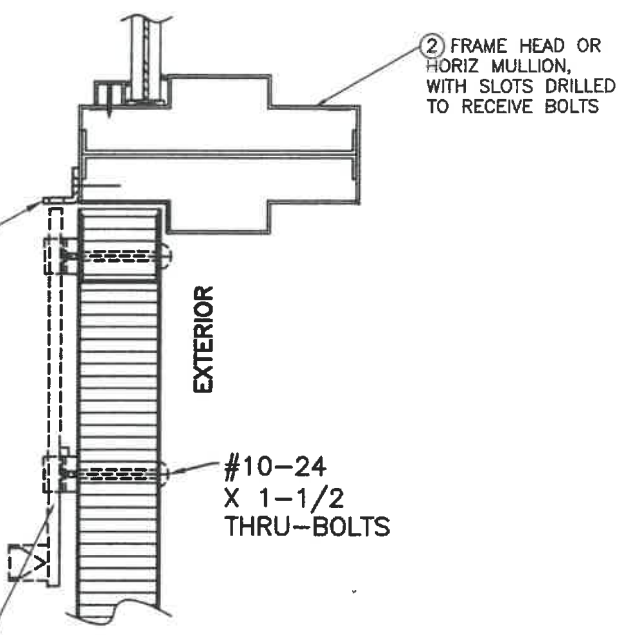
NOTE: THIS DETAIL IS APPLICABLE TO OUTSWING DOORS

5 DOOR SILL
8 SCALE: 3"=1'0" VERT SECTION



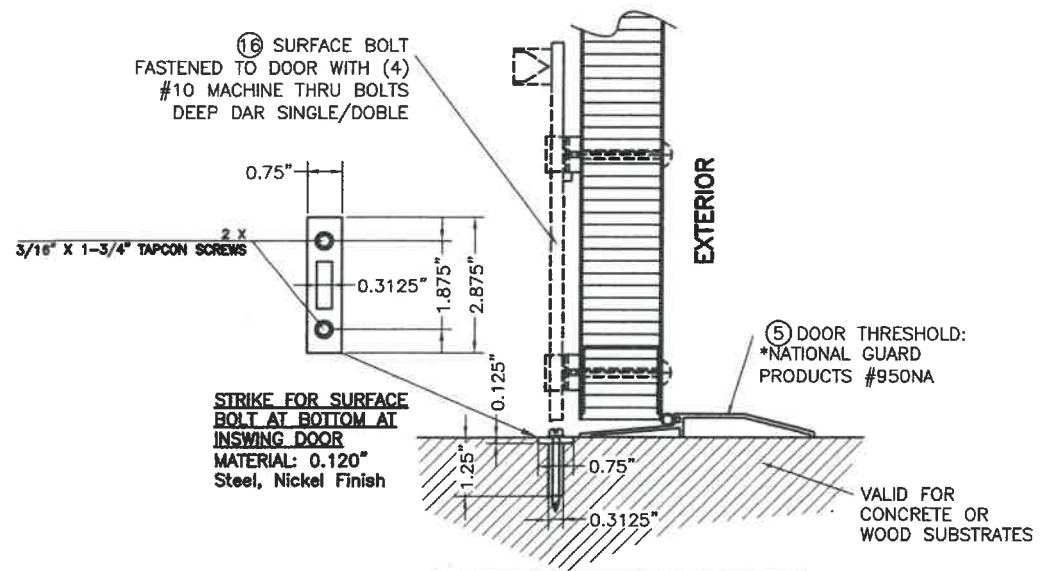
STRIKE FOR SURFACE BOLT AT HEADER AT INSWING DOOR
MATERIAL: 0.120" Steel, Nickel Finish

- ⑬ SURFACE BOLT FASTENED TO DOOR WITH (4) #10-24 MACHINE BOLTS



NOTE: THIS DETAIL IS APPLICABLE TO INSWING DOORS

4A DOOR HEAD
8 SCALE: 3"=1'0" VERT SECTION



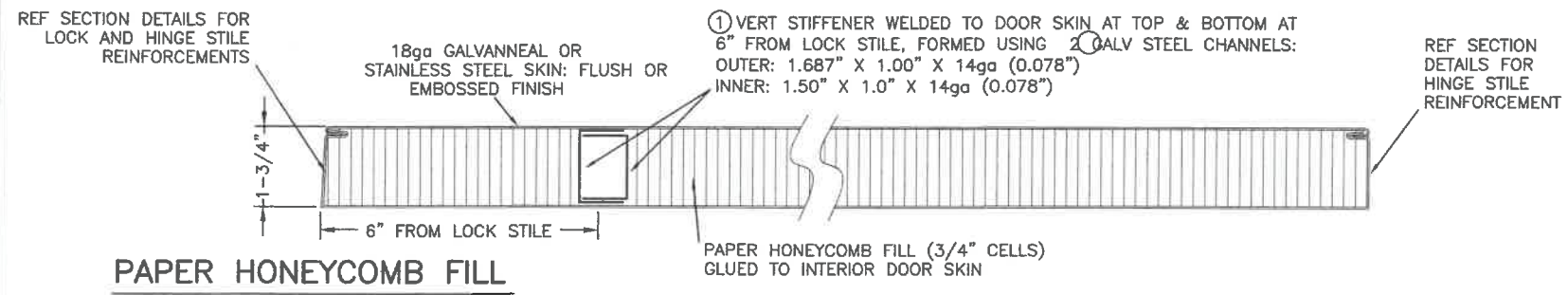
NOTE: THIS DETAIL IS APPLICABLE TO INSWING DOORS

5A DOOR SILL
8 SCALE: 3"=1'0" VERT SECTION

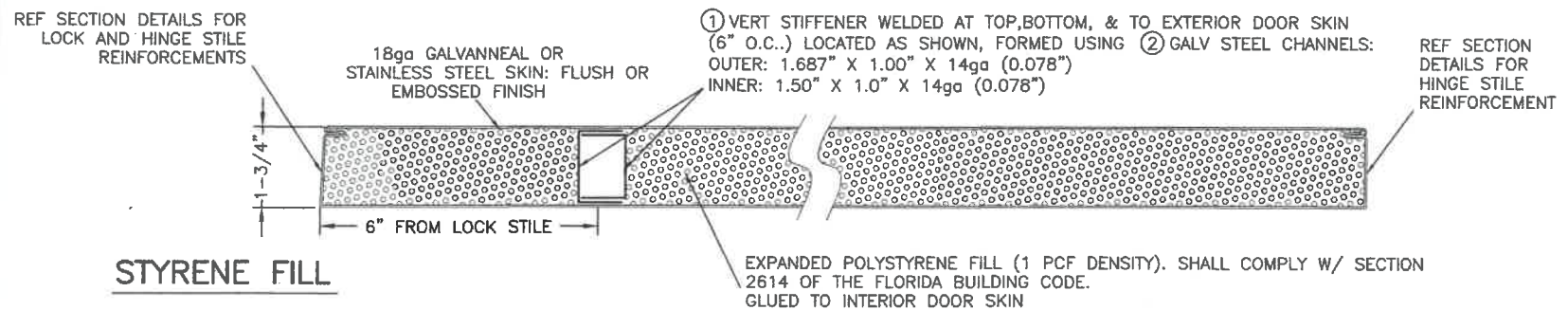


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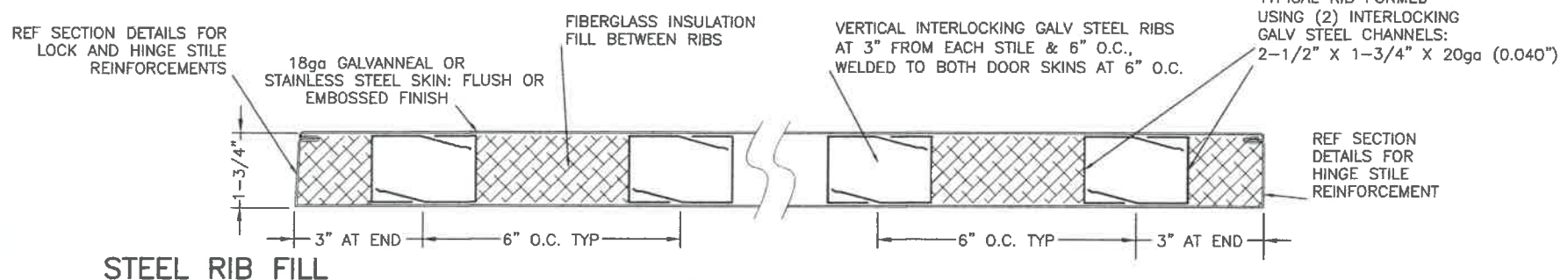
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PAPER HONEYCOMB FILL

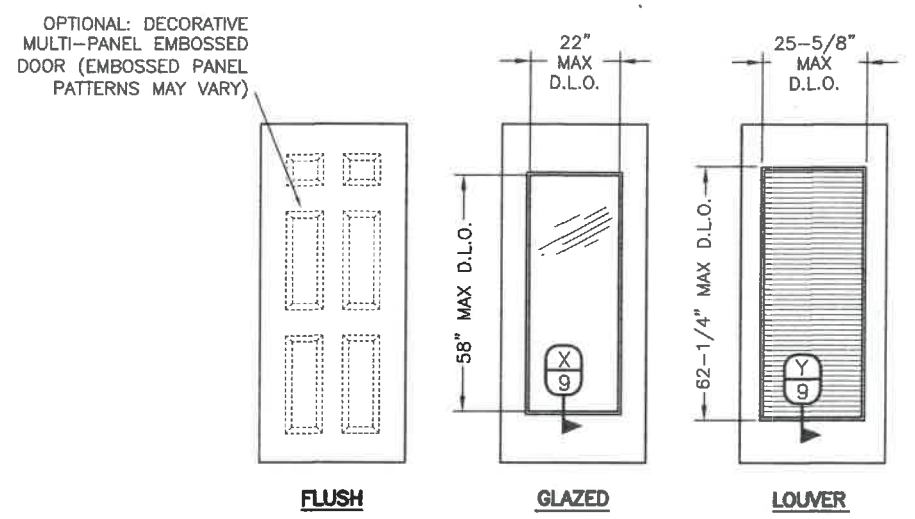


STYRENE FILL

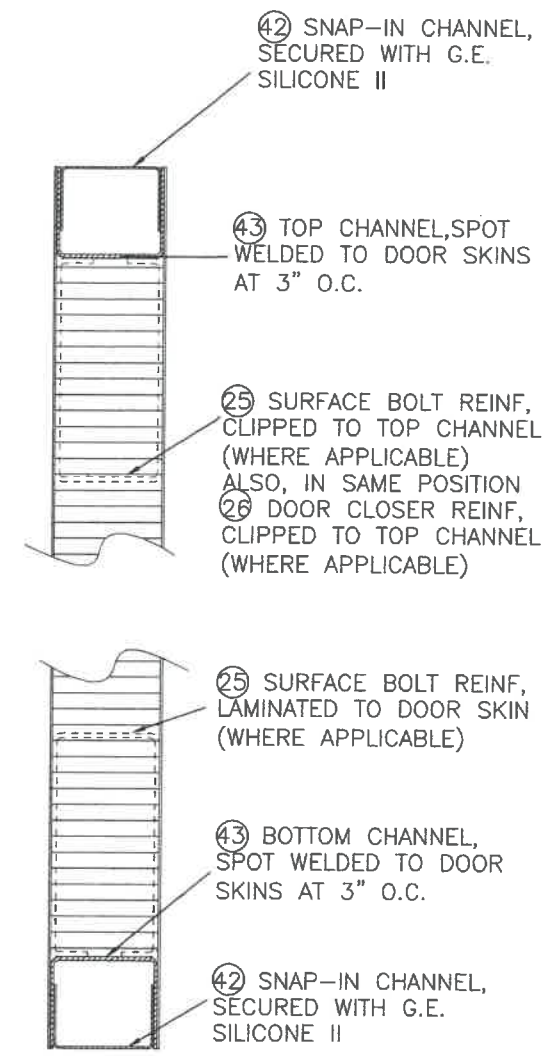


STEEL RIB FILL

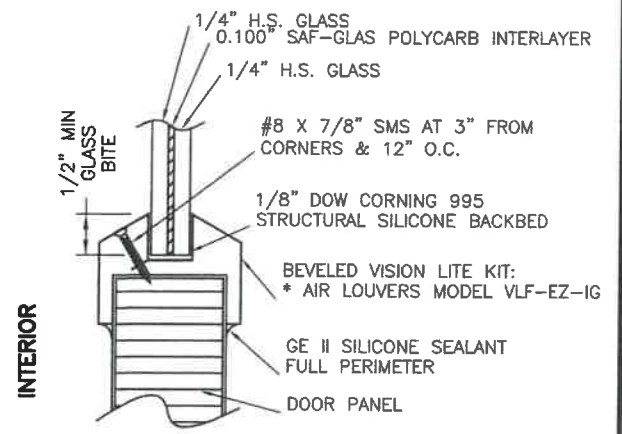
DOOR PANEL CONSTRUCTION OPTIONS (HORIZONTAL SECTIONS)



DOOR INFILL OPTIONS

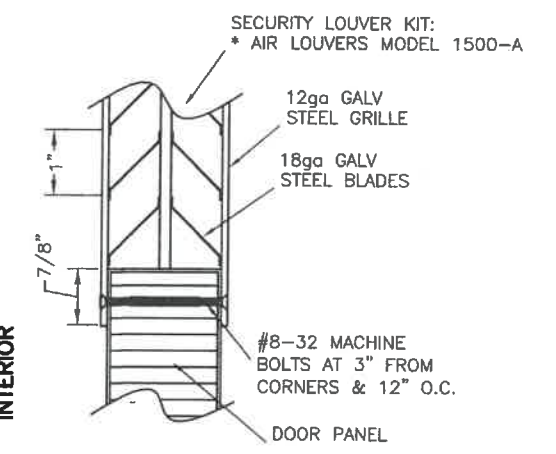


TYPICAL DOOR TOP & BOTTOM CONSTRUCTION (VERTICAL SECTION)



NOTE: THIS DETAIL IS APPLICABLE TO DOOR LITE HEAD, JAMBS, & SILL

X DOOR VISION LITE KIT



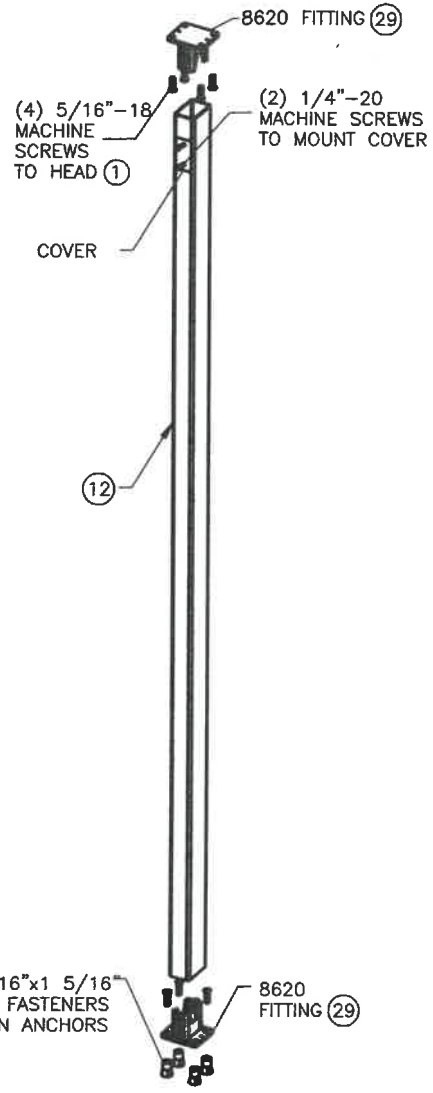
NOTE: THIS DETAIL IS APPLICABLE TO LOUVER HEAD & SILL (JAMBS SIMILAR)

Y DOOR LOUVER KIT

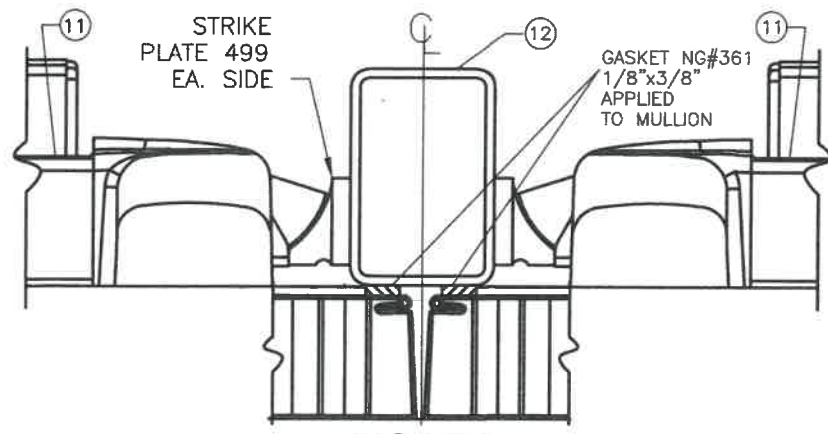
STATE OF TEXAS
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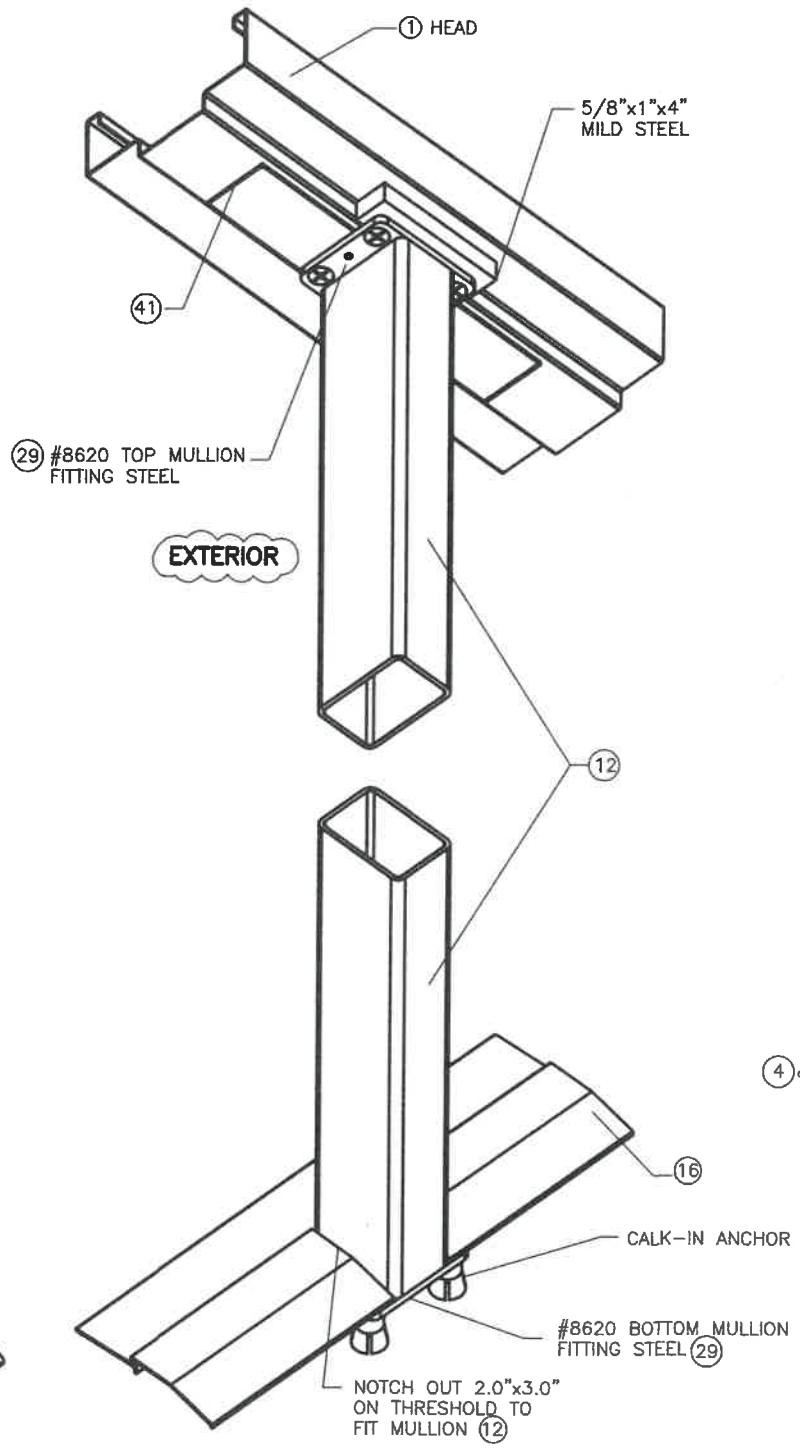
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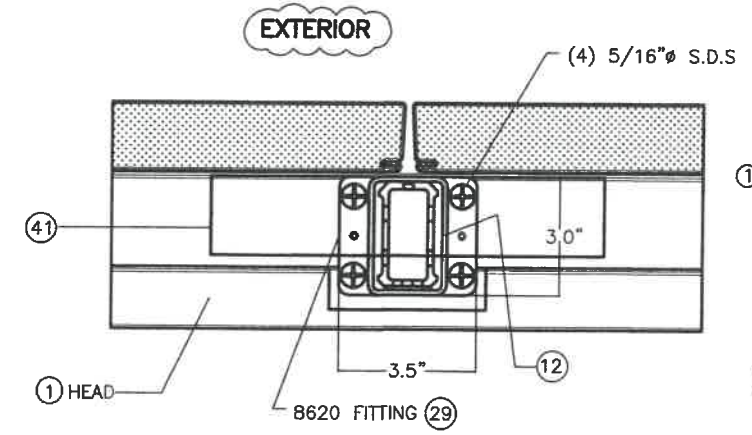


EXTERIOR
 MULLION/DOOR SEAL

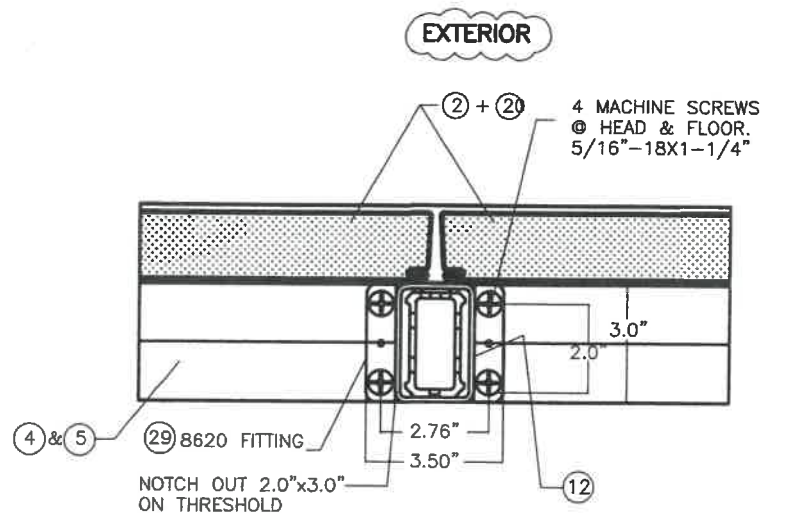


(12) VON DUPRIN SERIES 9954 (W/ 499 STRIKE PLATE) MULLION INSTALLATION

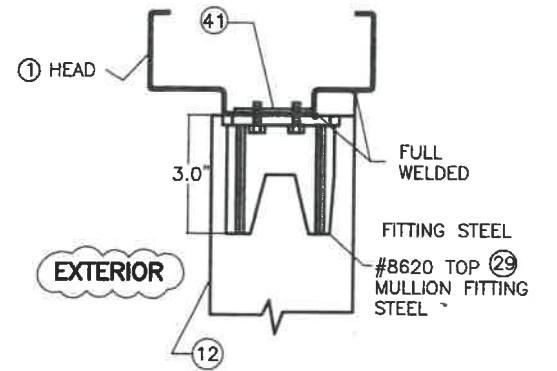
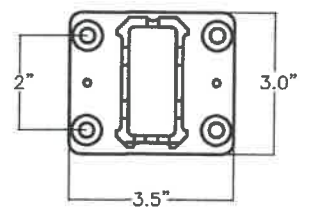
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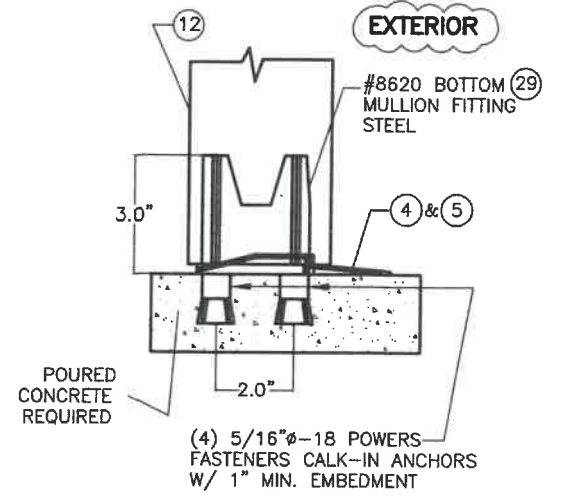
CONNECTION AT TOP (PLAN)



CONNECTION AT BOTTOM (PLAN)

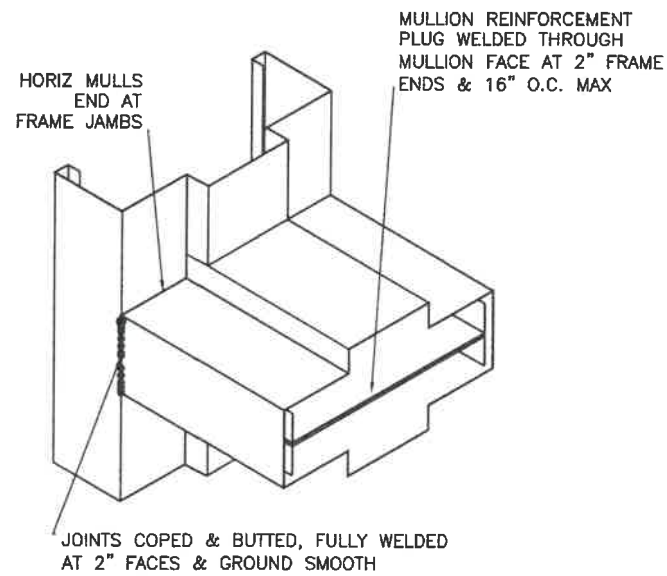


SECTION

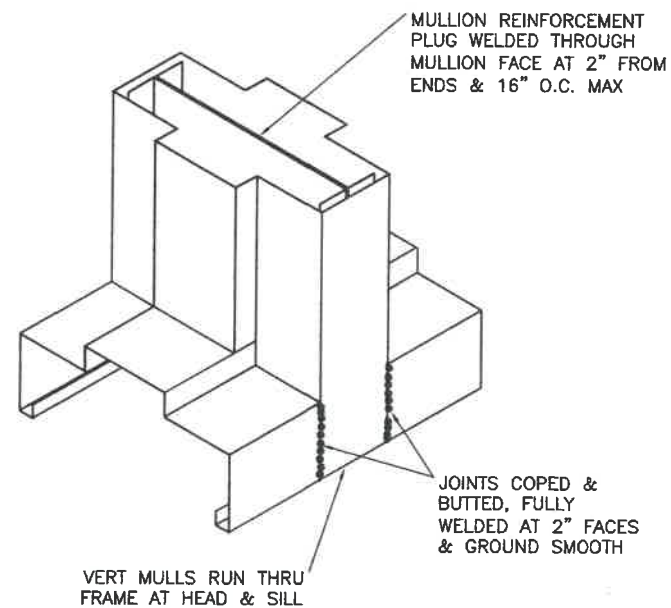


SECTION

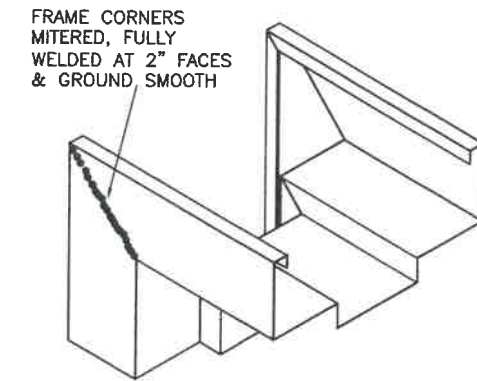
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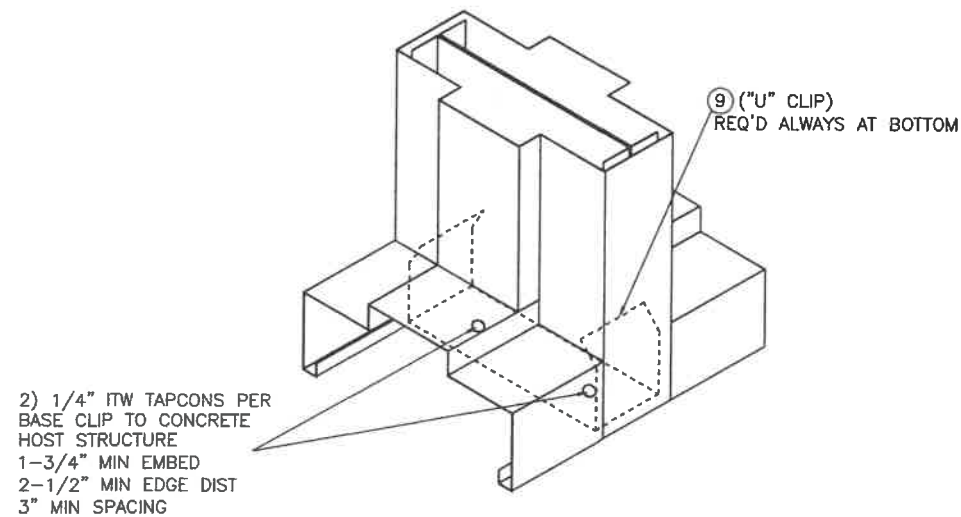
**FRAME CONSTRUCTION
AT HORIZONTAL MULLION**



**FRAME CONSTRUCTION
AT VERTICAL MULLION**



**FRAME CONSTRUCTION
AT FRAME CORNERS**



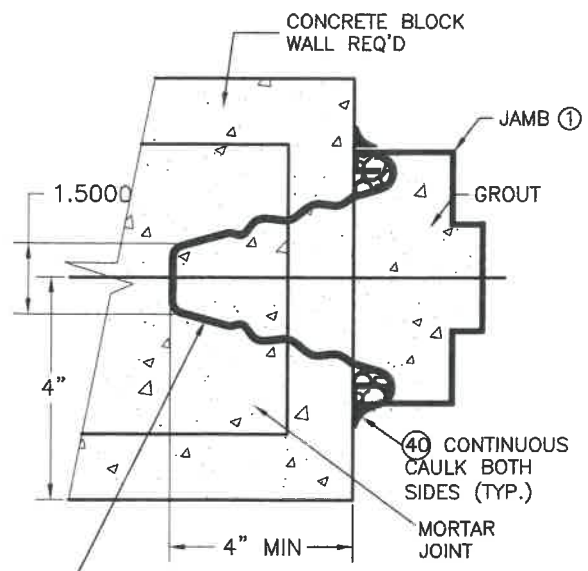
ISOMETRIC DETAIL N/11

VERTICAL MULLION CONNECTION DETAIL

STATE OF TEXAS
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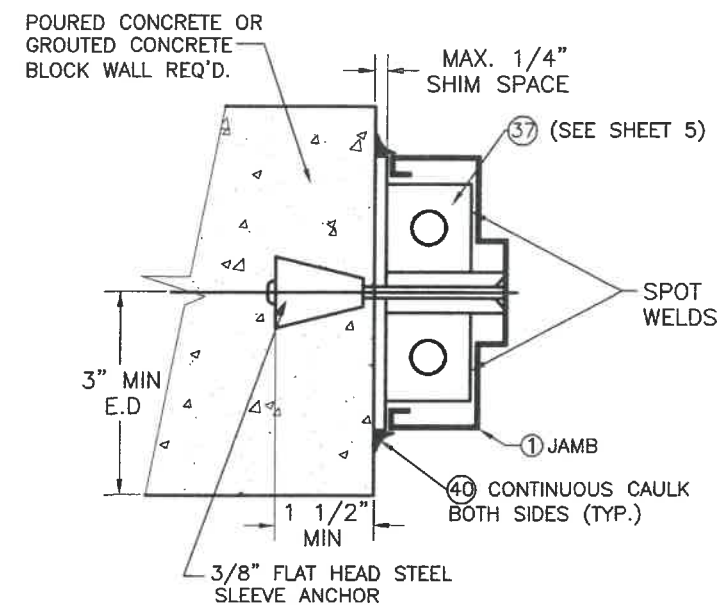
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DAYBAR INDUSTRIES LTD 50 WEST DRIVE, BRAMPTON, ON CANADA, L6T 2J4 TEL: 905 625-8000 FAX: 905 625-4204					9/29/2021 DATE
					21-124 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 17-055	9/29/21	3	-	-
2	-	-	4	-	-

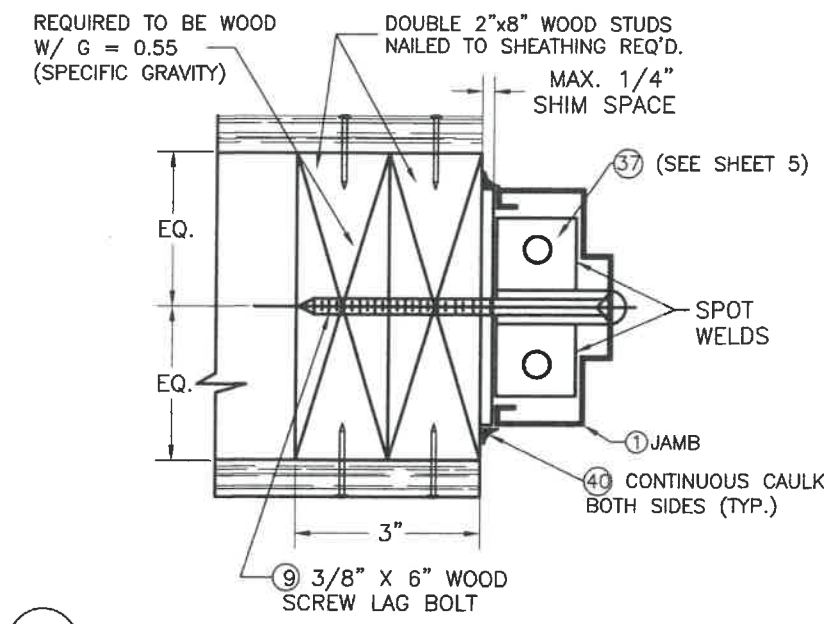


35 MASONRY WIRE ANCHORS IN HORIZ. MORTAR JOINTS; FILL JAMBS 1 SOLID WITH GROUT PER ASTM C476 W/ MIN. COMPRESSION STRENGTH OF 2.5 Ksi (SEE SHEET 5)

1 WIRE ANCHOR 35 INSTALLATION TO MASONRY WALLS



2 INSTALLATION OF SLEEVE ANCHOR TO MASONRY WALLS



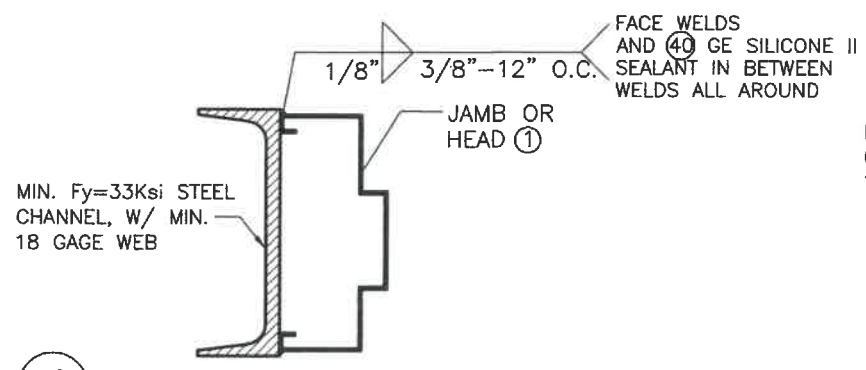
3 INSTALLATION OF 3/8 inch diameter LAG SCREW 9 TO WOOD FRAME WALLS

ANCHOR SCHEDULE

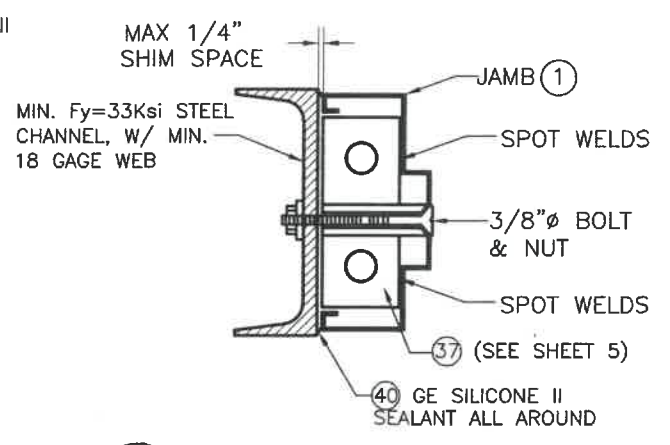
DETAIL	ANCHOR	SUBSTRATE	HEAD		SILL		JAMBS	
			CORNERS	SPACING	CORNERS	SPACING	CORNERS	SPACING
2/12	SLEEVE ANCHORS	CONC OR BLOCK	5"	11" OC	5"	11" OC	6"	10" OC
3/12	LAG SCREWS	WOOD	5"	10" OC	5"	10" OC	5"	10" OC
4/12	BOLT & NUT	STEEL	5"	11" OC	5"	11" OC	6"	10" OC
1/12	MASONRY WIRE	BLOCK	- - -	- - -	- - -	- - -	9"	16" OC
5/12	DIRECT WELD	STEEL	5"	11" OC	3"	8" OC	6"	10" OC
5/8	1/4 inch TAPCONS	CONCRETE OR WOOD	- - -	- - -	6"	12"	- - -	- - -

ANCHOR NOTES:

- SEE EXTERIOR ELEVATION & ANCHOR SCHEDULE FOR ANCHOR LOCATIONS AND/OR SPACING.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- MINIMUM EMBEDMENT & EDGE DISTANCE SHALL BE AS NOTED
 3/8" RED HEAD DYNABOLT SLEEVE ANCHOR:
 1-1/2" MIN EMBED (CONCRETE OR GROUT-FILLED BLOCK)
 2-1/4" MIN EDGE DISTANCE
 3/8" HILTI HLC SLEEVE ANCHOR:
 1-1/4" MIN EMBED (CONCRETE OR GROUT-FILLED BLOCK)
 4" MIN EDGE DISTANCE
 3/8" LAG SCREWS:
 2" MIN EMBED (SYP WOOD, G=0.55)
 1-1/2" MIN EDGE DISTANCE
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- CONCRETE HOST STRUCTURE SHALL HAVE 3,000 PSI MIN COMPRESSIVE STRENGTH.
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD (U.N.O.).
- "STEEL" SUBSTRATE SHALL HAVE 18ga (0.048") MIN THICKNESS.
- MACHINE SCREWS USED WITH SLEEVE ANCHORS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR.
- MASONRY WIRE ANCHORS ARE ONLY APPLICABLE AT JAMBS - ANCHORS SHALL BE INSTALLED AT HEAD & SILL USING ONE OF THE OTHER LISTED ANCHOR OPTIONS.
- FOR THRESHOLD USE 1/4" TAPCON W/ 1 3/4" EMBEDMENT BY ITW/BUILDDEX OR ELCO CONSTRUCTION PRODUCT W/ 2 1/2" MIN. EDGE DISTANCE.

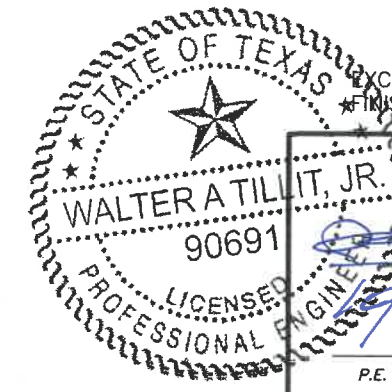


4 INSTALLATION OF JAMB 1 TO STEEL CHANNEL THRU WELDING



5 INSTALLATION OF 3/8 inch F.H. M.S TO STEEL CHANNEL

ANCHOR DETAILS:



WALTER A. TILLIT Jr P.E.
 6355 N.W 36 STREET, STE. 305
 VIRGINIA GARDENS, FL 33166
 PHONE(305) 871-1530 FAX (305) 871-1531
 TEXAS LIC. # 90691
 FIRM REGISTRATION # F-13790

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SHEET 12 OF 12