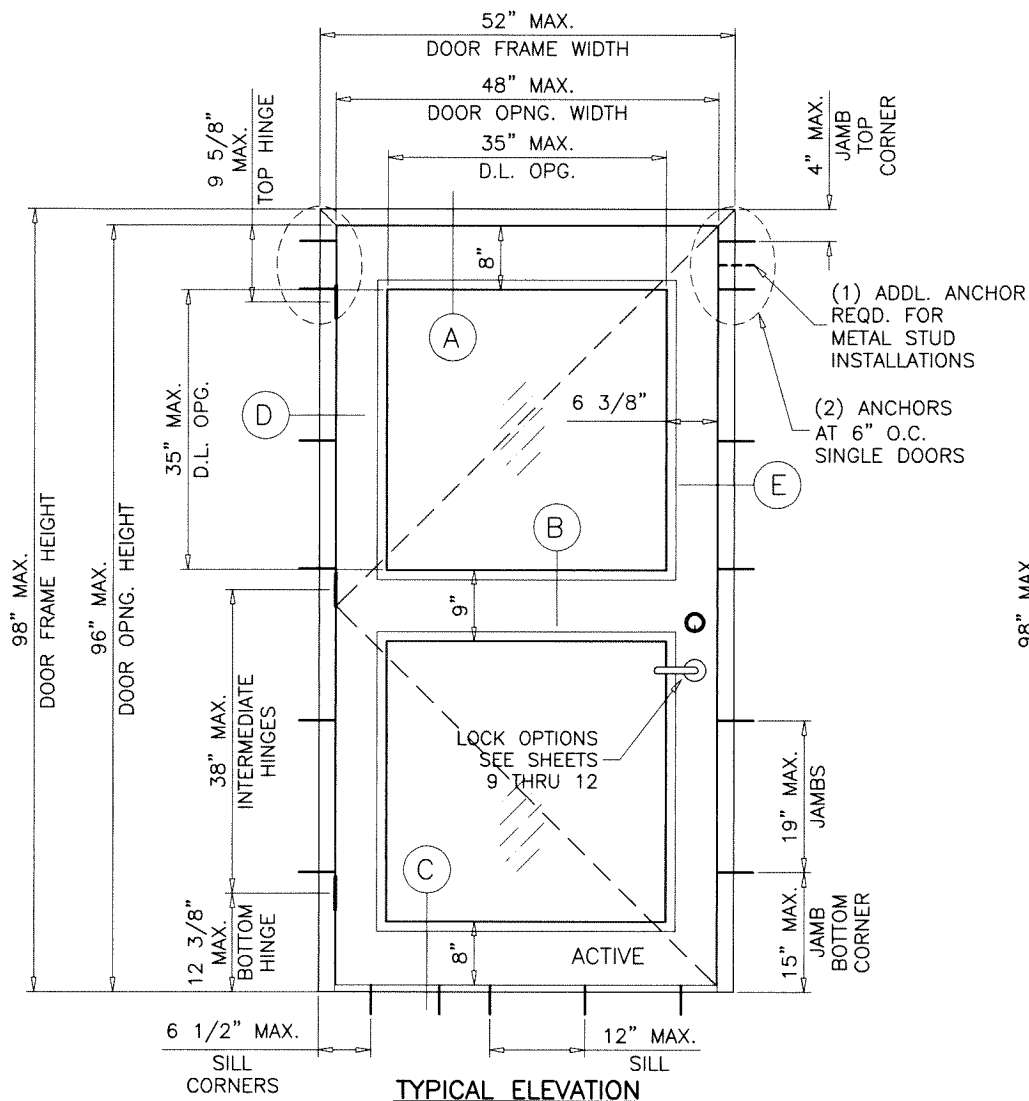
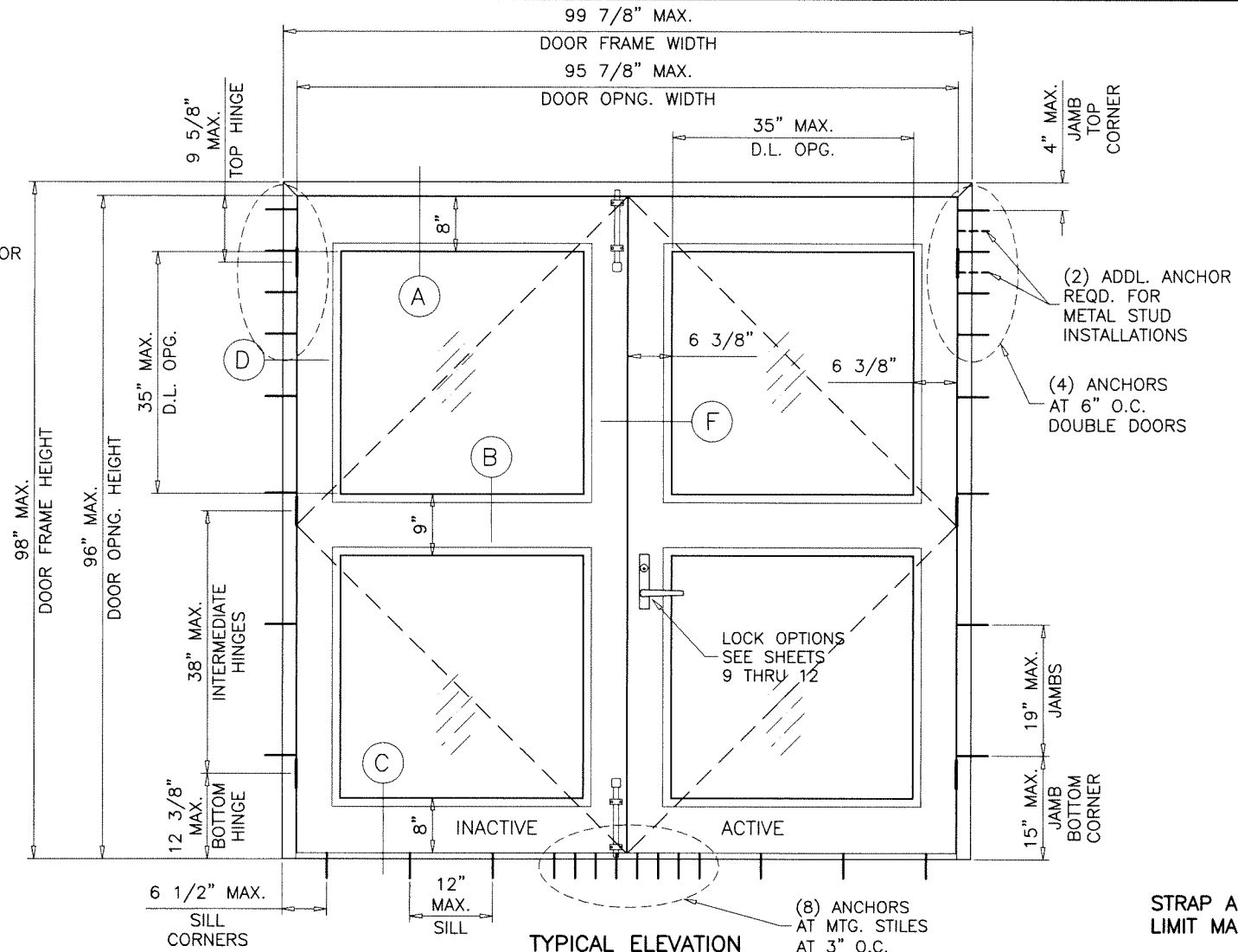




TYPICAL ELEVATION

(X)



TYPICAL ELEVATION

(XX)

STRAP ANCHOR OPTION
LIMIT MAX. LOADS TO ± 70.0 PSF

WIRE ANCHOR OPTION
LIMIT MAX. LOADS TO ± 65.0 PSF

SEE SHEET 6.2 FOR DETAILS

SINGLE DOORS LOAD CAPACITY - PSF

DOOR DIMS.		LOCK OPTIONS							
		OPTION #1		2, 3, 6, 9		8, 10		4, 5, 7	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
52"	98"	80.0	65.0	80.0	80.0	70.0	70.0	65.0	65.0

SERIES 'GenStorm'

GLAZED OUTSWING STEEL ENTRANCE DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

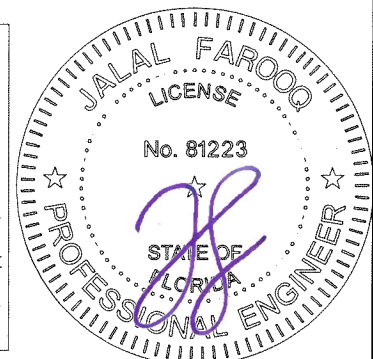
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

DOUBLE DOORS LOAD CAPACITY - PSF

DOOR DIMS.		LOCK OPTIONS					
		3, 6, 9		8, 10		4, 5	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
99-7/8"	98"	80.0	80.0	70.0	70.0	65.0	65.0

Sealed: 10/5/2023

FL #21382



- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED 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. 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.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

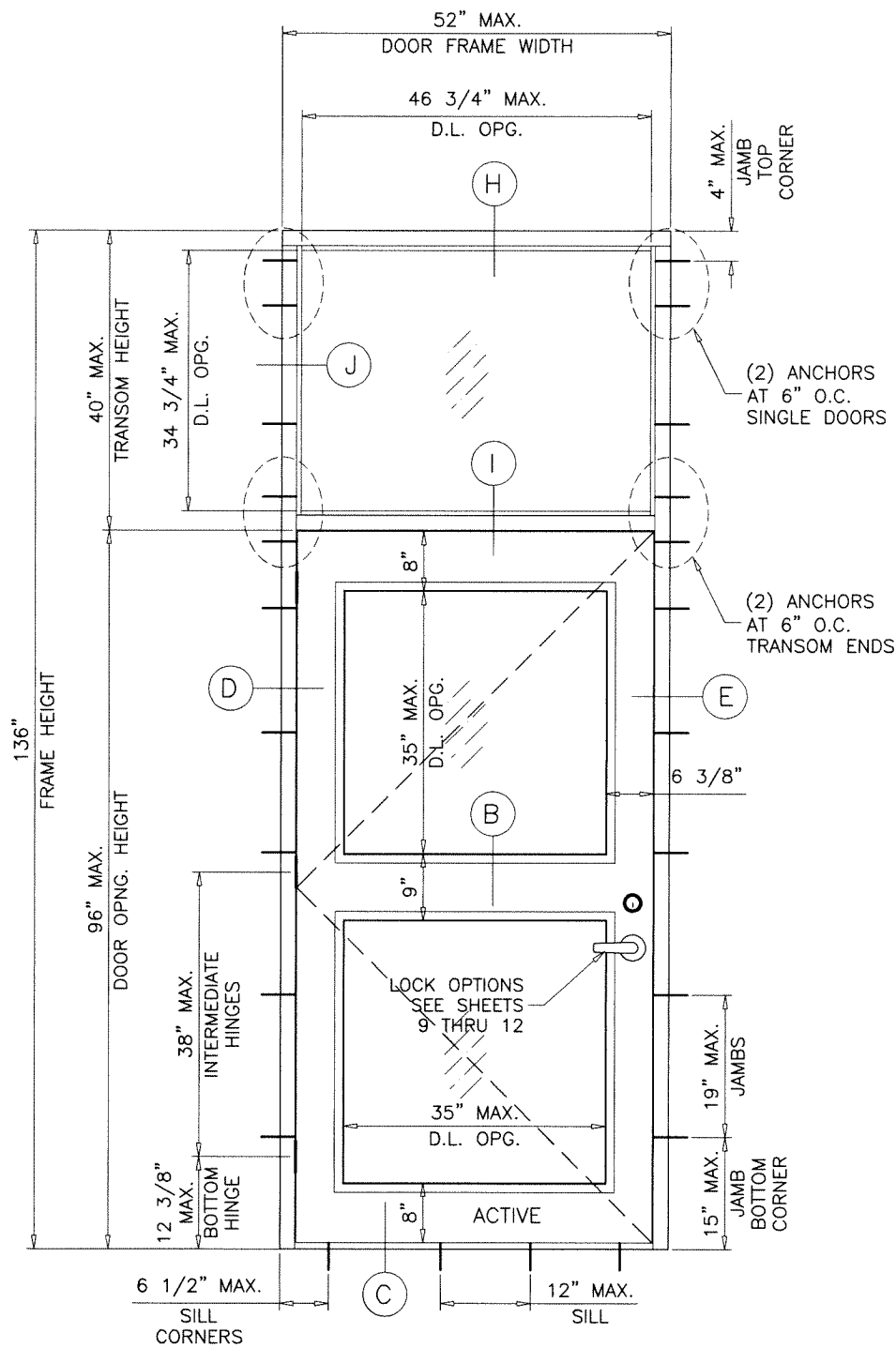
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W16-31GSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)
gensteeldoors
4950 Hickmore
St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

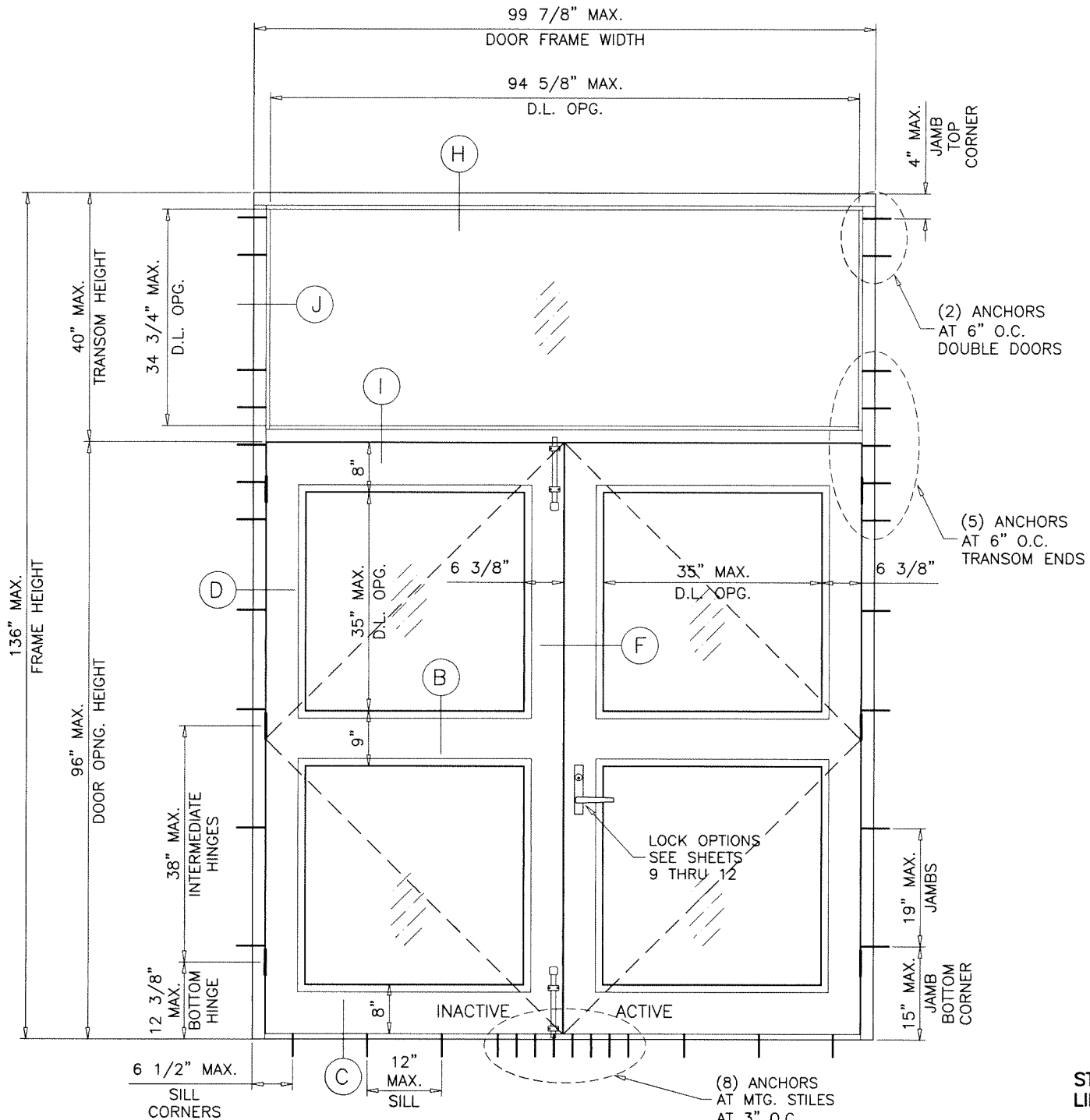
no	date	by	description
A	12.13.16		STILES/RAILS DIMS ADDED
B	06.07.19		UPDATED TO 2017 FBC
C	12.07.20		UPDATED TO 2020 FBC
D	09.14.23		UPDATED TO 2023 FBC

date:	04-27-16
scale:	1/2"=1'-0"
dr. by:	TARIQ
chk. by:	

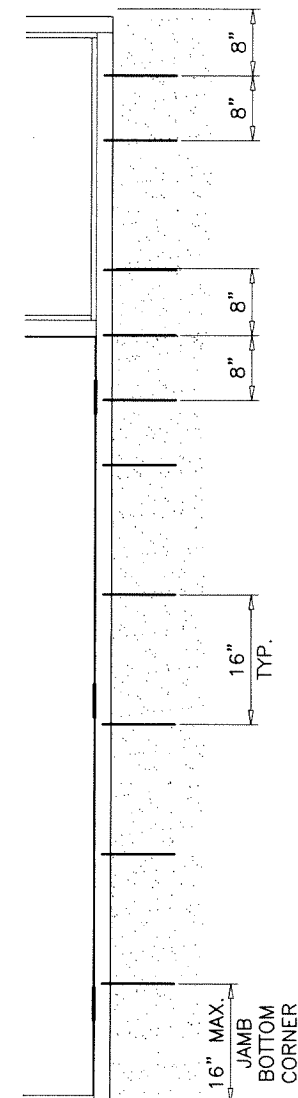
drawing no.
W16-31
sheet 1 of 16



TYPICAL ELEVATION
(O/X)



TYPICAL ELEVATION
(O/XX)



STRAP ANCHOR OPTION
LIMIT MAX. LOADS TO ± 70.0 PSF

WIRE ANCHOR OPTION
LIMIT MAX. LOADS TO ± 65.0 PSF

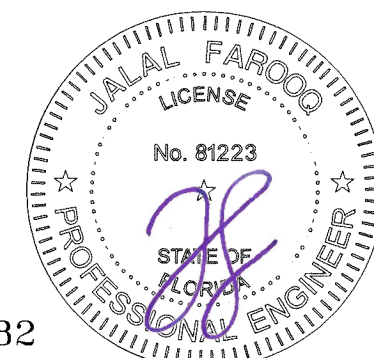
SEE SHEET 6.2 FOR DETAILS

SINGLE DOORS WITH TRANSOM LOAD CAPACITY - PSF								
DOOR DIMS.			LOCK OPTIONS					
			OPTION #1		2, 3, 6, 8, 9, 10		4, 5, 7	
FRAME WIDTH	FRAME HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
52"	136"	40"	70.0	65.0	70.0	70.0	65.0	65.0

DOUBLE DOORS WITH TRANSOM LOAD CAPACITY - PSF							
DOOR DIMS.			LOCK OPTIONS				
			3, 6, 8, 9, 10		4, 5		
FRAME WIDTH	FRAME HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
99-7/8"	136"	40"	70.0	70.0	65.0	65.0	

Sealed: 10/5/2023

FL #21382



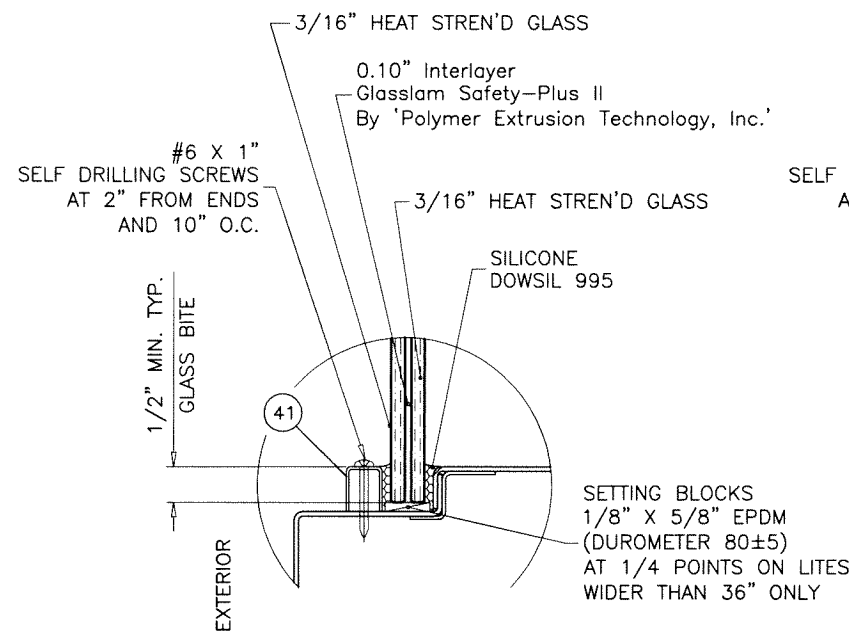
al-farooq
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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COMP-ANL\W16-31CSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)
gensteeldoors
4950 Hickmore
St. Laurent Quebec, Canada, H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:	no	date	by	description

date: 04-27-16
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

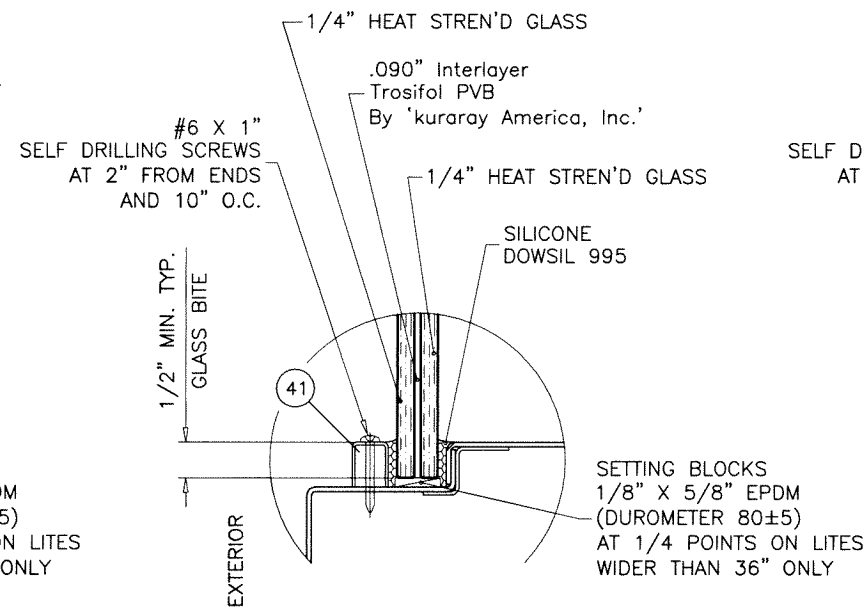
drawing no.
W16-31
sheet 3 of 16



GLASS TYPE 'A'

7/16" LAM. GLASS

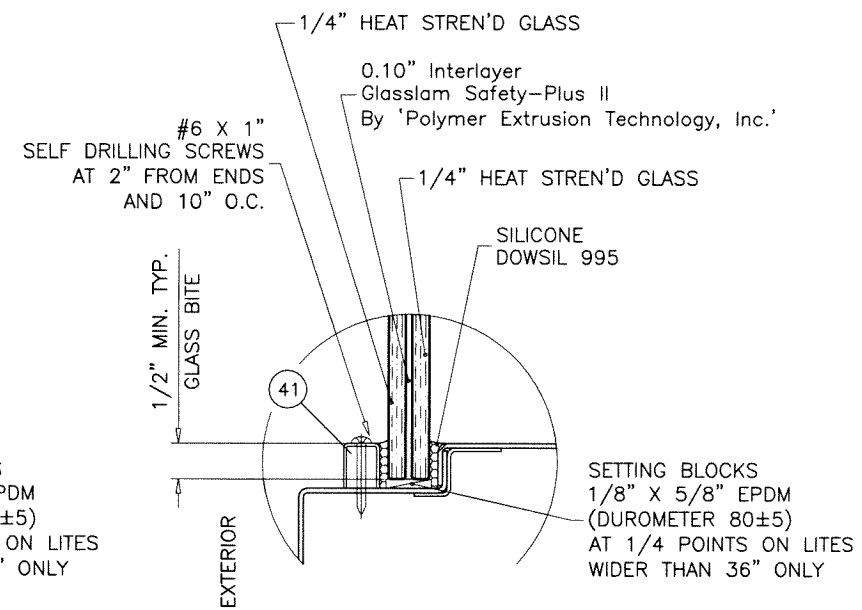
LIMIT MAX. D.L. OPNG. SIZE TO 22.9 SQ. FT.



GLASS TYPE 'B'

9/16" LAM. GLASS

LIMIT MAX. D.L. OPNG. SIZE TO 15.0 SQ. FT.

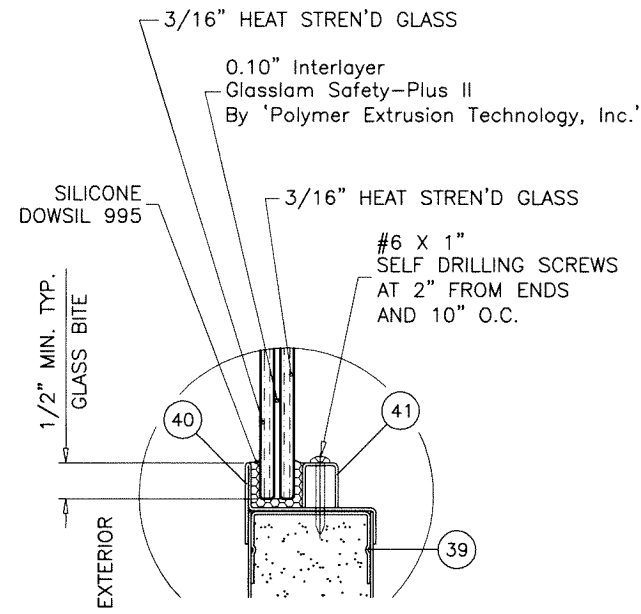


GLASS TYPE 'B1'

9/16" LAM. GLASS

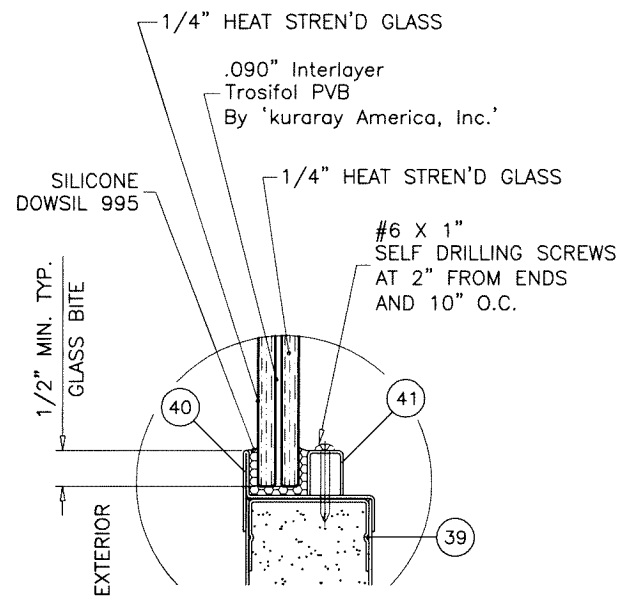
LIMIT MAX. D.L. OPNG. SIZE TO 22.9 SQ. FT.

GLAZING DETAILS (TRANSOM)



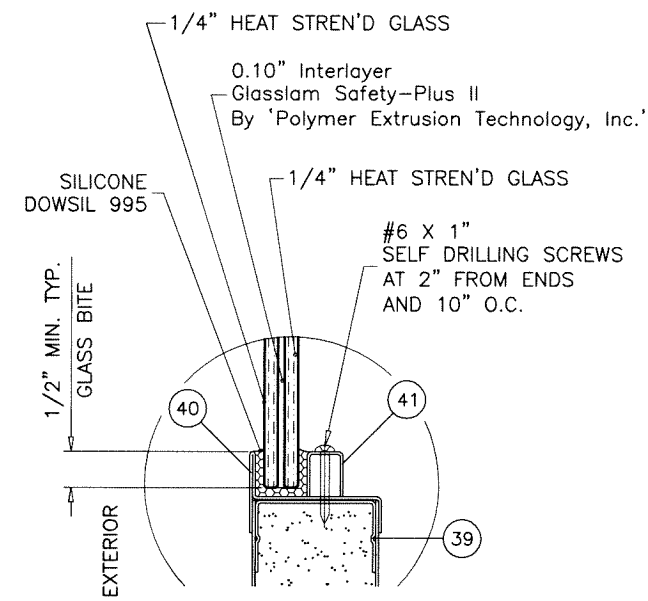
GLASS TYPE 'A'

7/16" LAM. GLASS



GLASS TYPE 'B'

9/16" LAM. GLASS



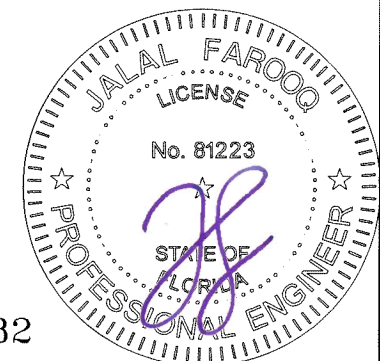
GLASS TYPE 'B1'

9/16" LAM. GLASS

GLAZING DETAILS (DOOR LEAF)

NOTE:
GLASS CAPACITIES ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 10/5/2023



FL #21382

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af c

COMP-ANL W16-31GSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

gensteeldoors
4950 Hickmore
St. Laurent Quebec, Canada, H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

Revisions:	
no	date by description

date: 04-27-16

scale: 3/8" = 1"

dr. by: TARIQ

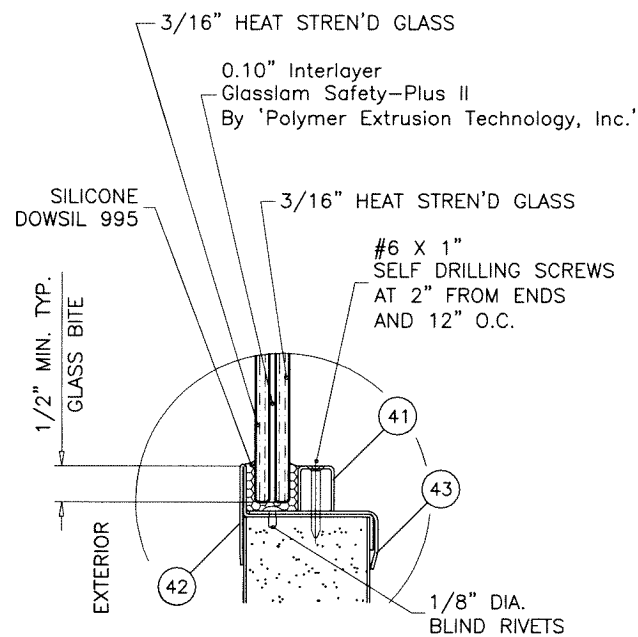
chk. by:

drawing no.

W16-31

sheet

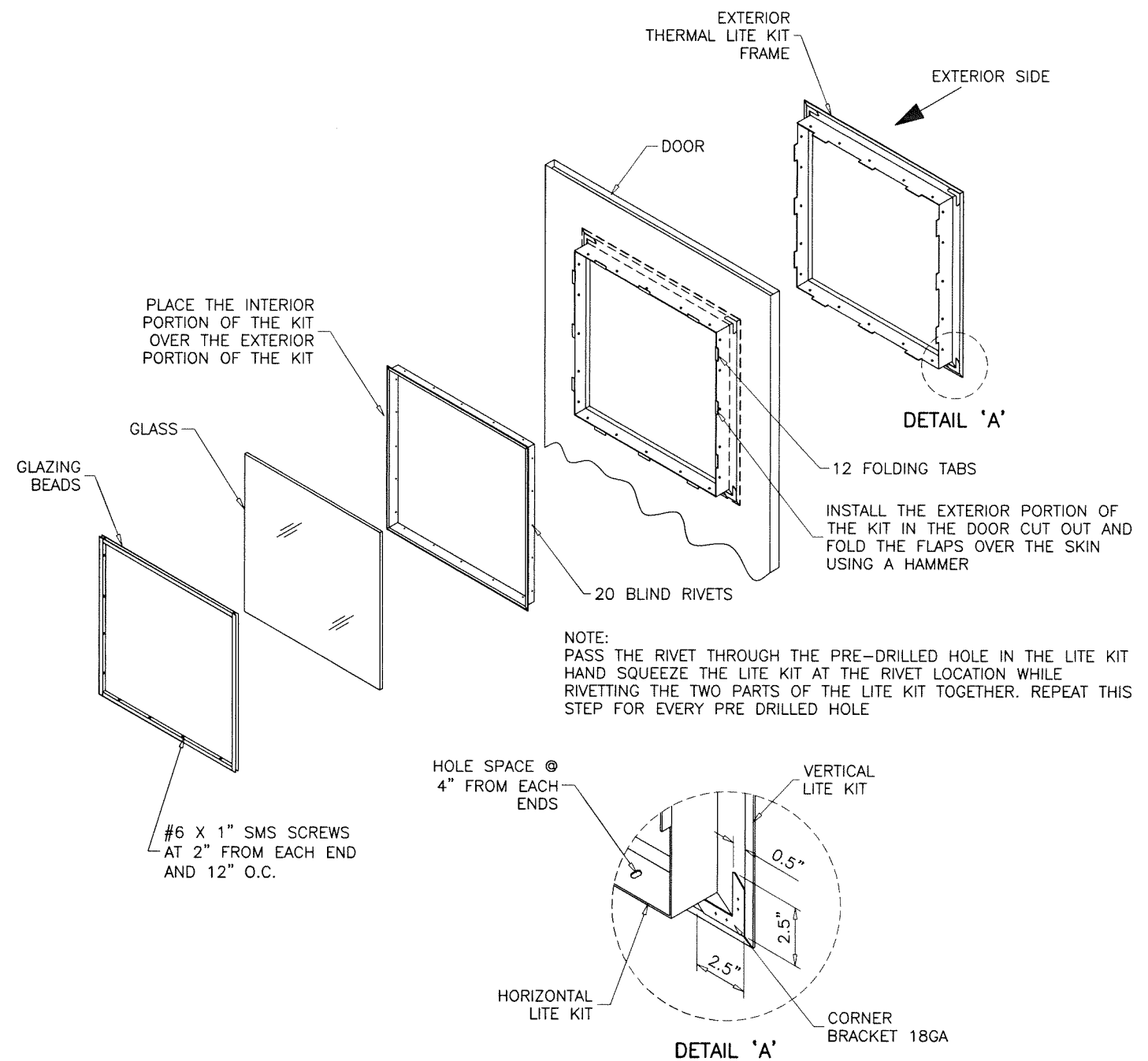
4 of 16



GLASS TYPE 'A'
7/16" LAM. GLASS

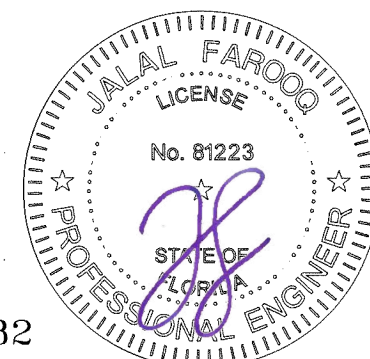
GLAZING DETAILS (DOOR LEAF)

GSM LITE KIT OPTION
LIMIT MAX. LOADS TO ± 70.0 PSF



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FL #21382



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COMP-ANL W16-31CSD

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revisions:

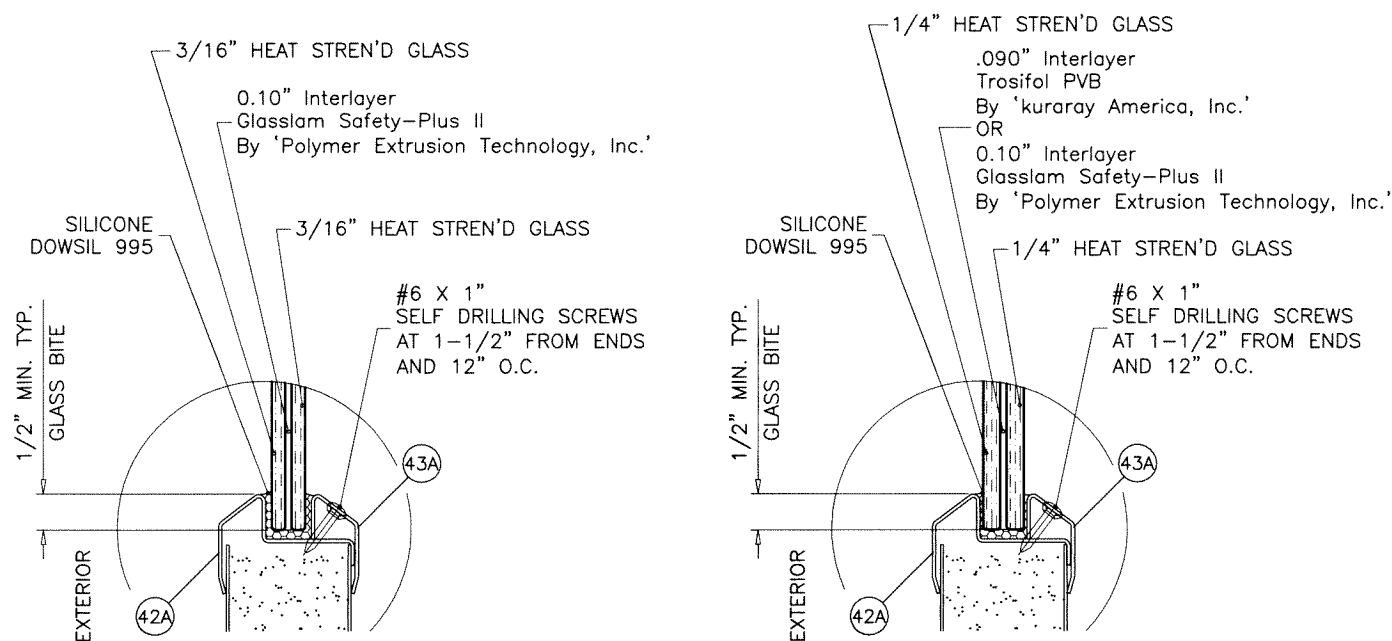
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dr. by: TARIQ
chk. by:

drawing no.
W16-31

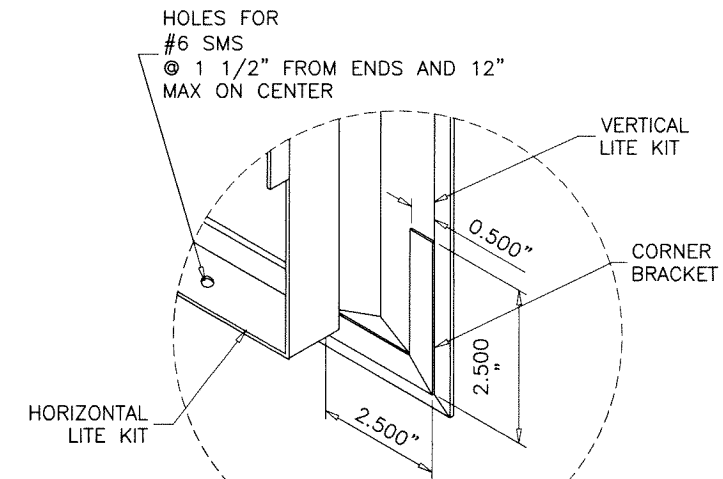
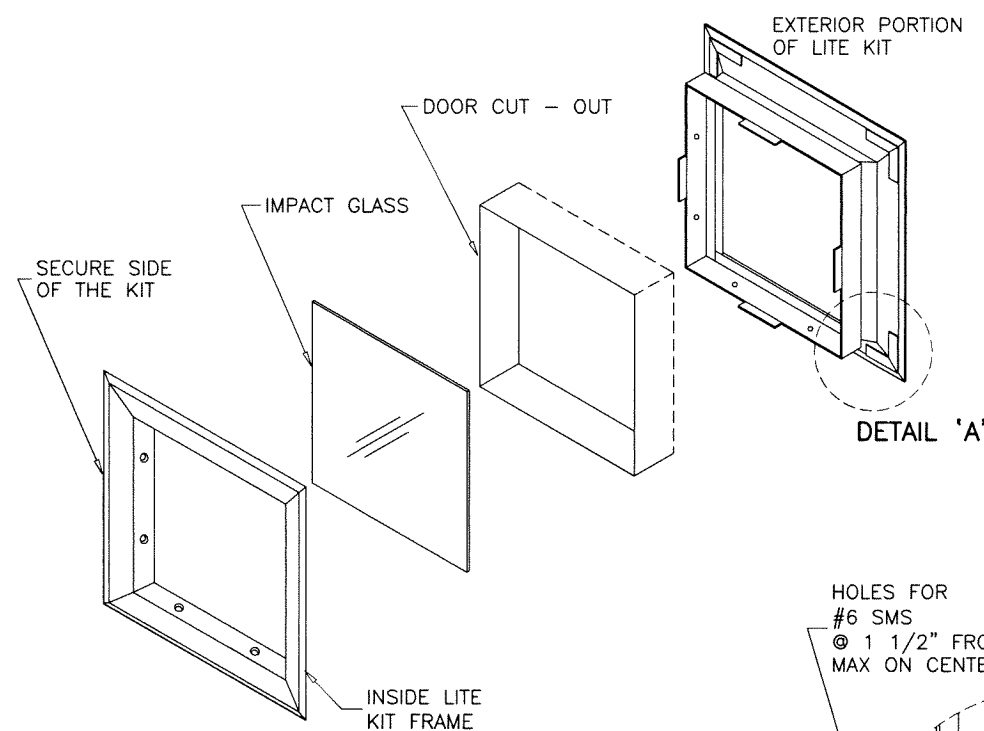
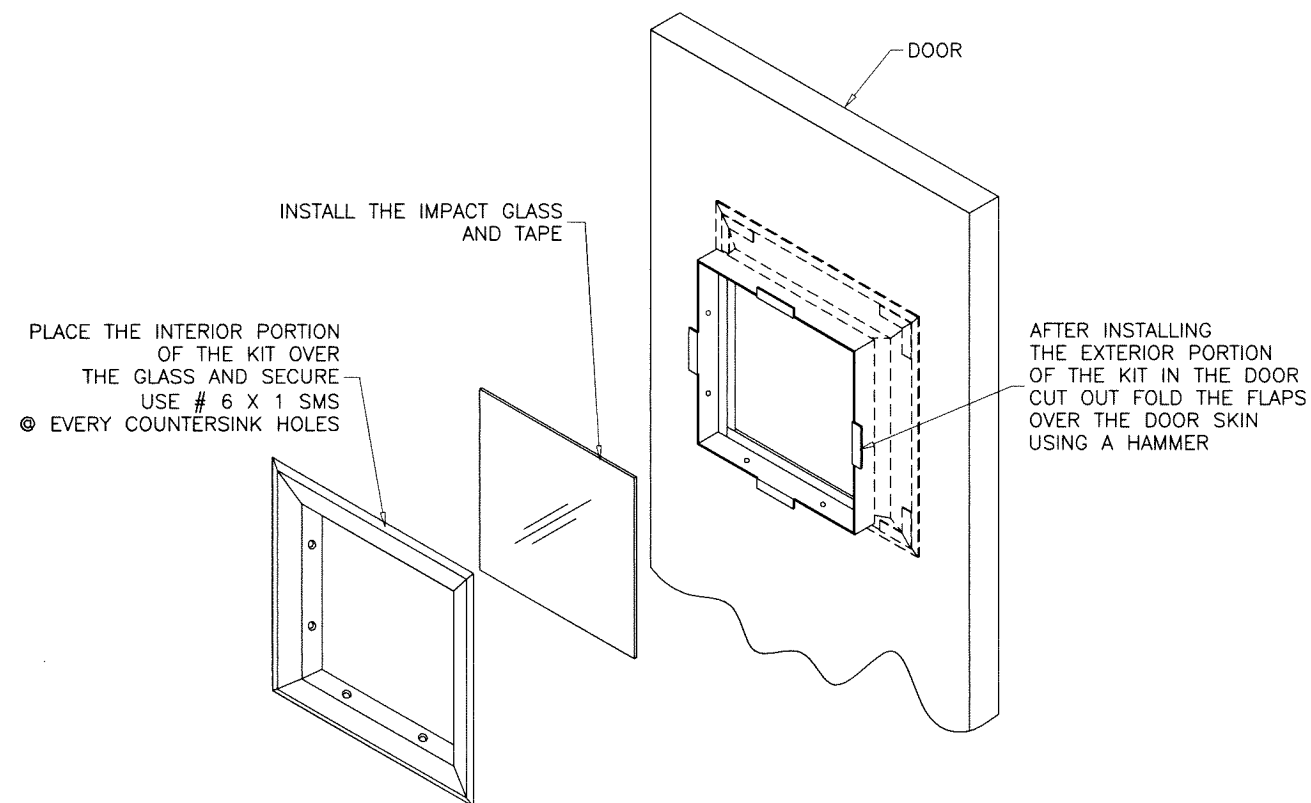
sheet 4.1 of 16

FL #21382



GLAZING DETAILS (DOOR LEAF)

LITE KIT OPTION
LIMIT MAX. LOADS TO ± 70.0 PSF



DETAIL 'A'
CORNER BRACKET DETAIL

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af c

COMP-ANL\W16-31GSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

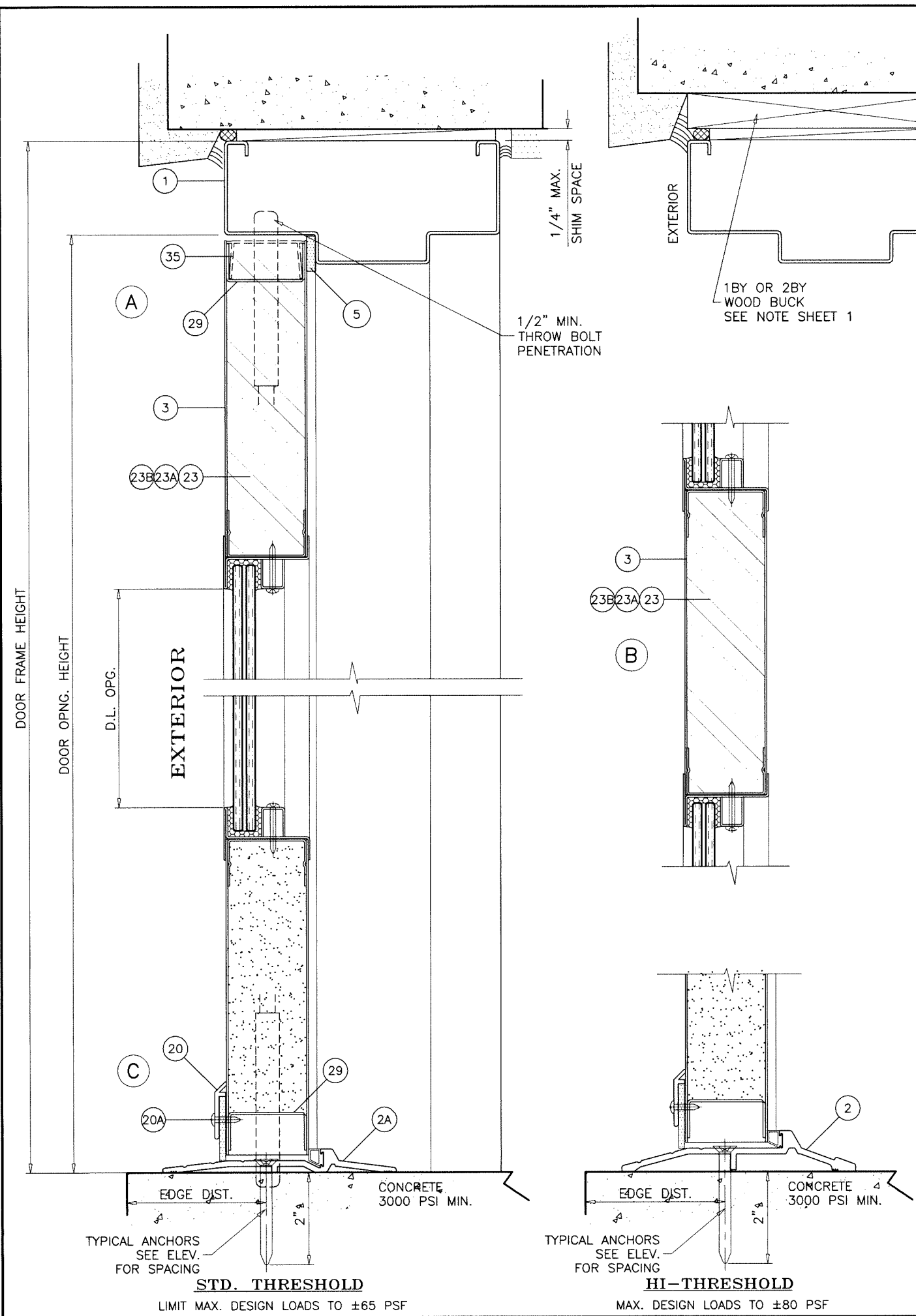
gensteeldoors
4950 Hickmore
St. Laurent Quebec, Canada, H4T1K6
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revisions:

no	date	by	description

date: 04-27-16
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W16-31
sheet 4.2 of 16



WOOD BUCKS AND METAL STRUCTURES NOT BY 'GENSTEEL'
MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)

INTO WOOD STRUCTURES
1-7/8" MIN. PENETRATION INTO WOOD
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE
1-1/4" MIN. EMBED INTO BLOCKS
DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE
1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS

ANCHOR EDGE DISTANCES
INTO CONCRETE AND BLOCKS = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.

5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO OR THRU 16 GA. MIN. GALV. STEEL STUDS ($F_y = 50$ KSI MIN.)
THRU OR INTO 2BY WOOD BUCKS (AT FRONT OR BACK)
AND
INTO F.B.C. APPROVED MULLIONS
AND
INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES
INTO METAL STRUCTURE = 3/4" MIN.
INTO WOOD BUCKS = 1-1/4" MIN.

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)

DIRECTLY INTO CONCRETE
2" MIN. EMBED INTO CONCRETE

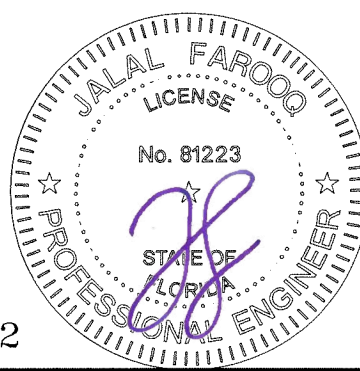
ANCHOR EDGE DISTANCES
INTO CONCRETE = 2-1/2" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

AT JAMBS

AT JAMBS

AT SILL



Sealed: 10/5/2023

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(C.A.N. 3538)

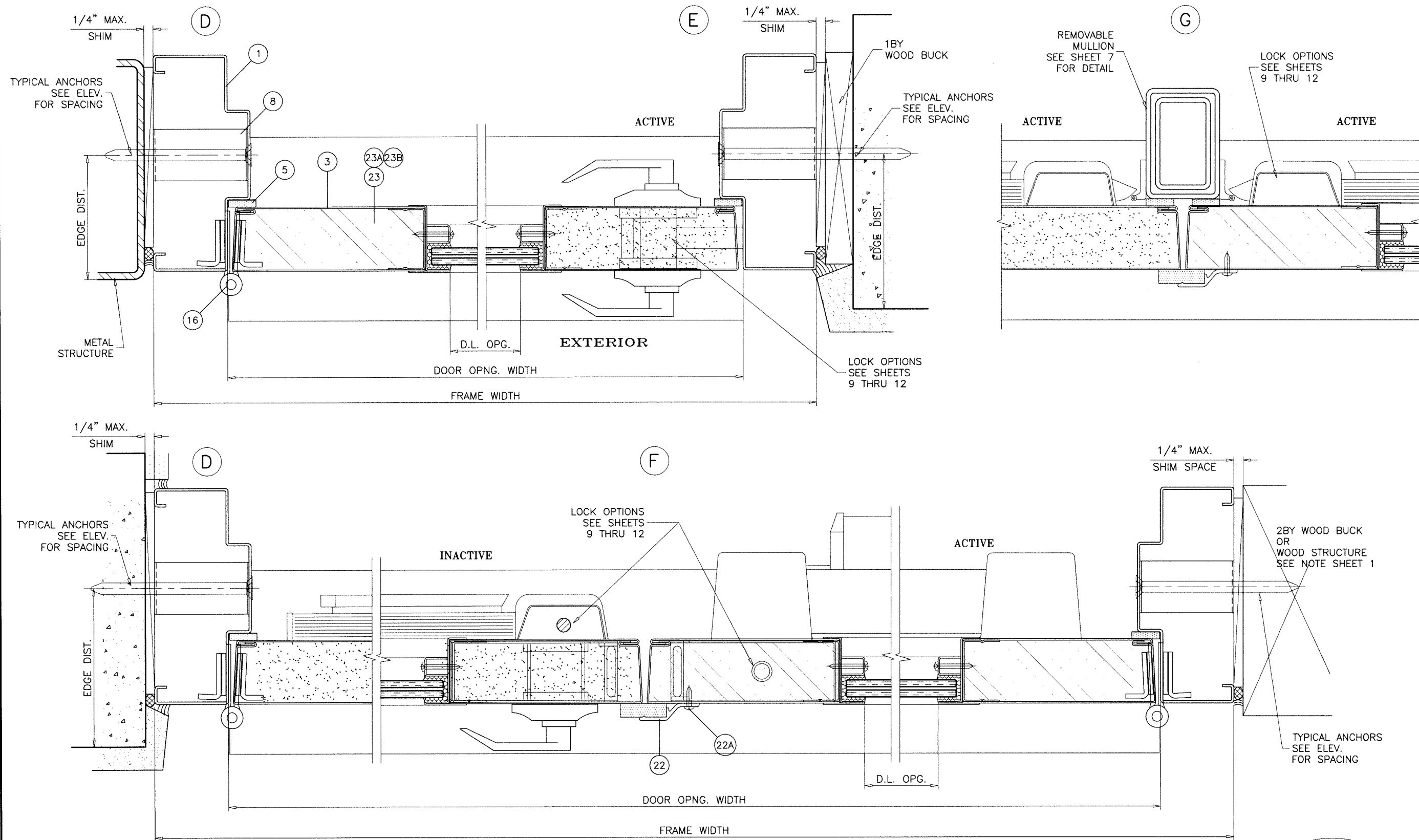
Gensteeldoors
4950 Hickmore
St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:

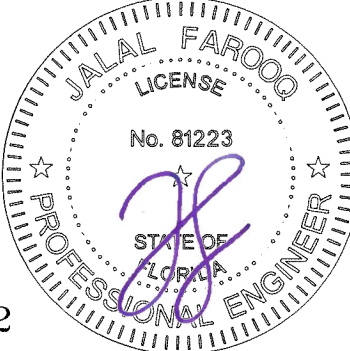
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date: 04-27-16
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W16-31
sheet 5 of 16



Sealed: 10/5/2023



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

COMP-ANL W16-31CSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

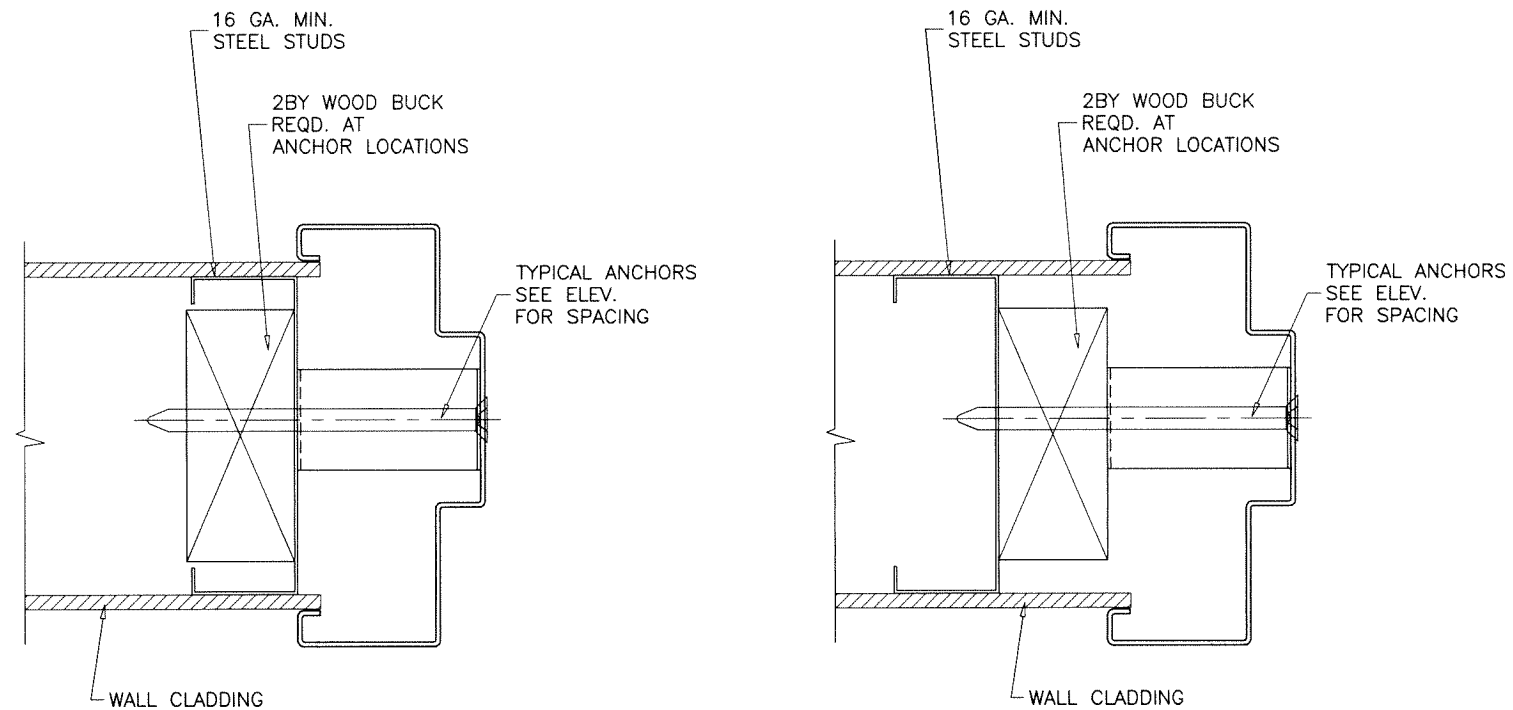
gensteeldoors
4950 Hickmore
St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:

no	date	by	description

date: 04-27-16
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W16-31
sheet 6 of 16

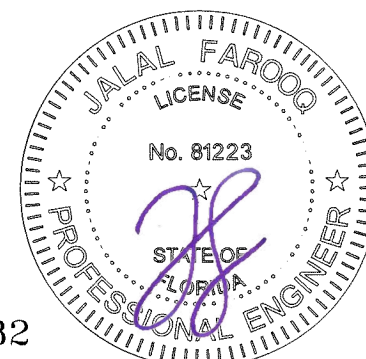


FRAME JAMBS AT STEEL STUD WALLS

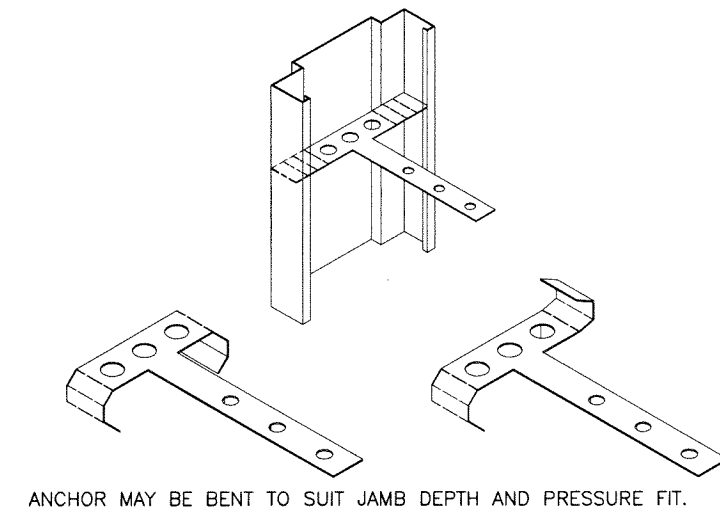
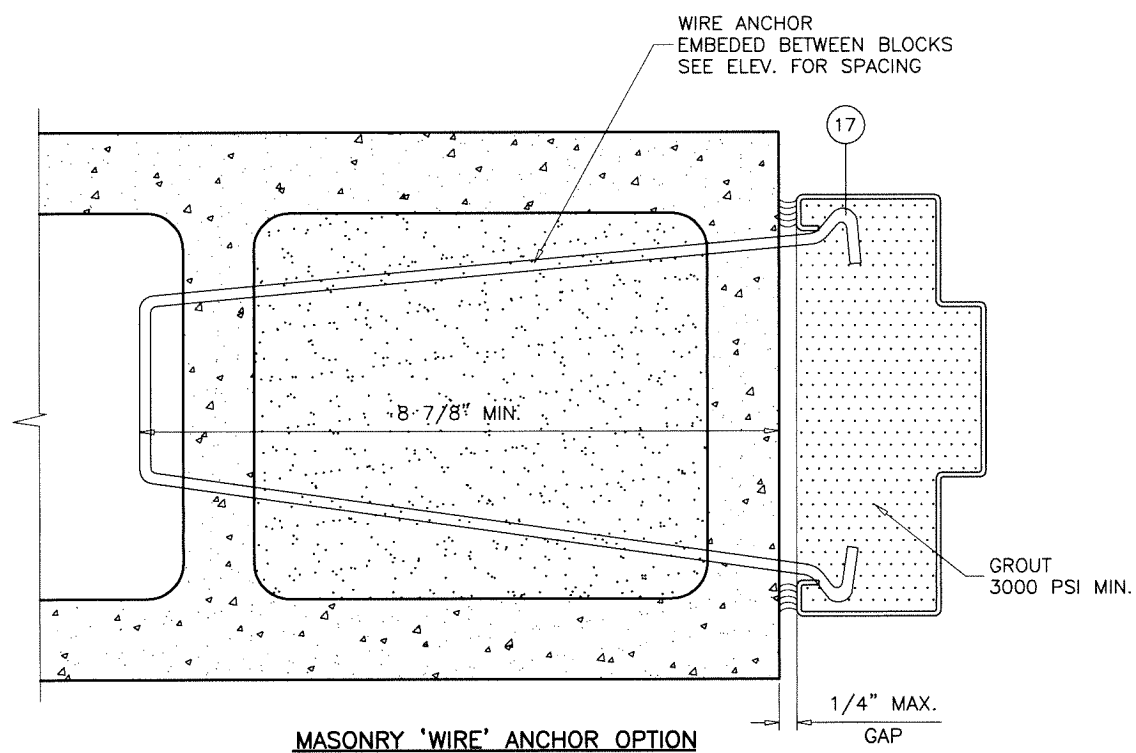
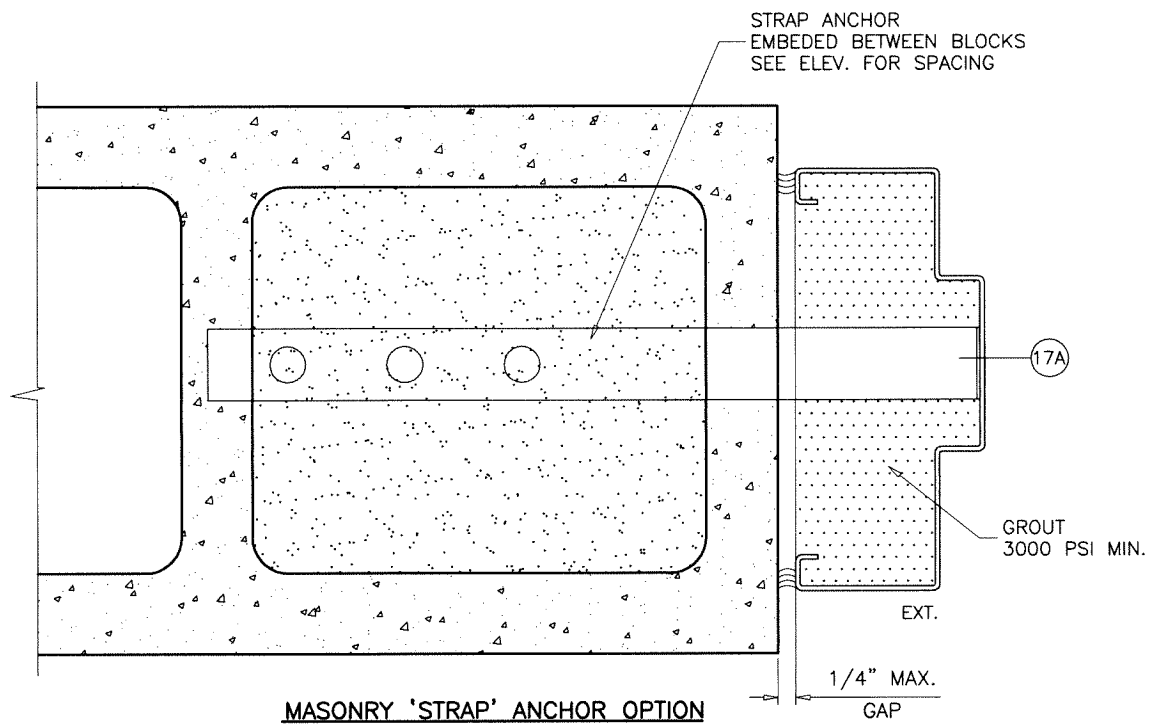
WOOD BUCKS AND METAL STRUCTURES NOT BY 'GENSTEEL'
MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

Sealed: 10/5/2023

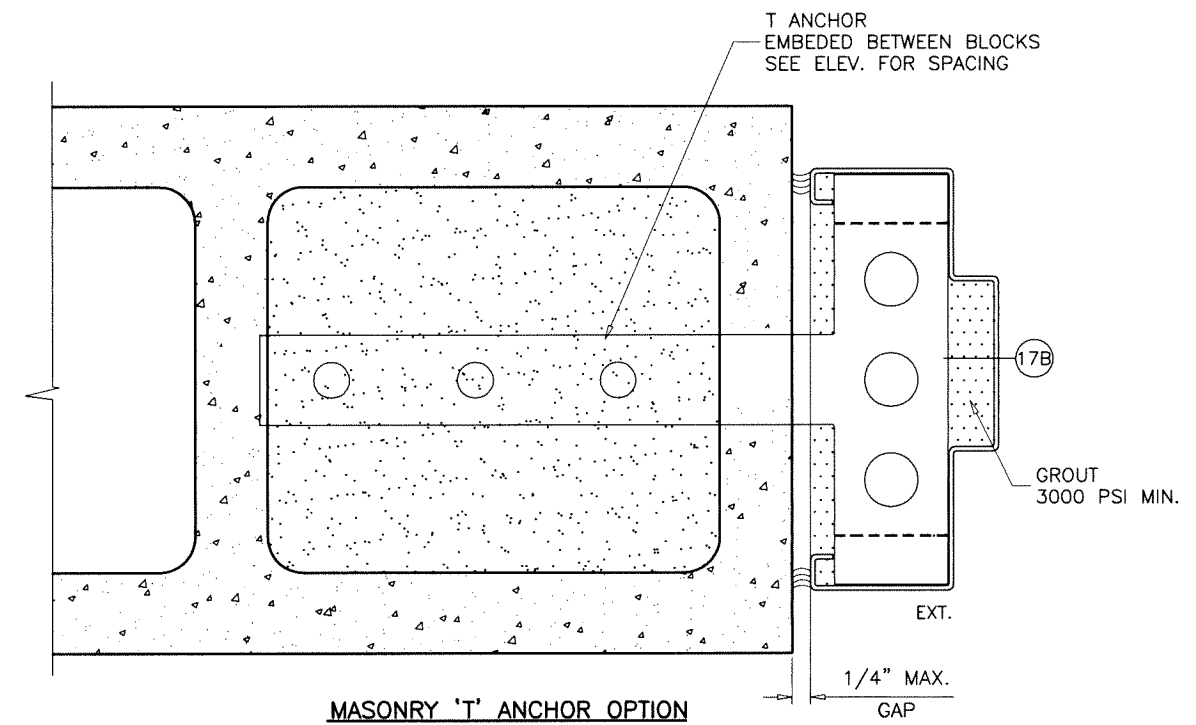
FL #21382



af c	
AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 (C.A.N. 3538)	
COMP-ANL\W16-31CSD	
'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)	
gensteel 4950 Hickmore St. Laurent Quebec, Canada. H4T1K6 Tel. (514) 733-3562 Fax (514) 733-1932	
revisions:	
no	date
by	description
date: 04-27-16	
scale: 3/8" = 1"	
dr. by: TARIQ	
chk. by:	
drawing no.	
W16-31	
sheet 6.1 of 16	

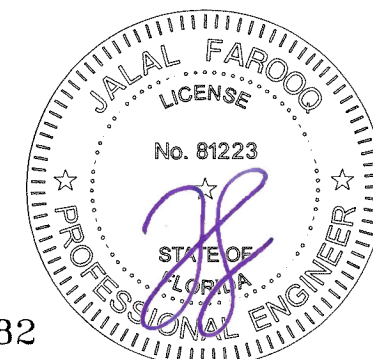


ANCHOR MAY BE BENT TO SUIT JAMB DEPTH AND PRESSURE FIT.



Sealed: 10/5/2023

FL #21382



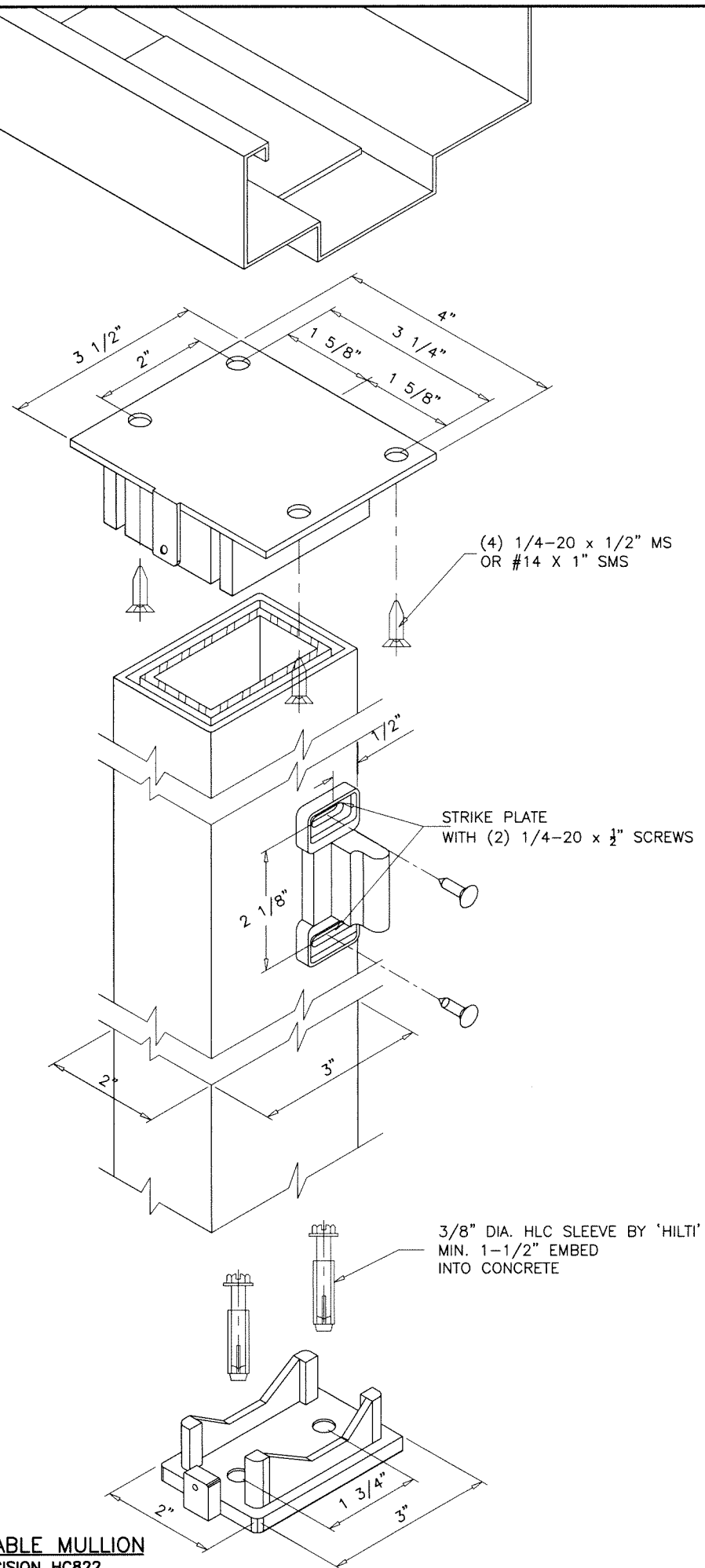
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AL-FAROOQ CORPORATION
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COMP-ANL\W16-31GSD

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St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:	
no	date by description

date: 04-27-16	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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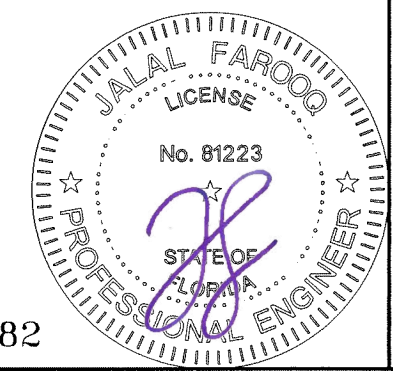
drawing no.
W16-31
sheet 6.2 of 16



REMOVABLE MULLION
PRECISION HC822

Sealed: 10/5/2023

FL #21382



'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

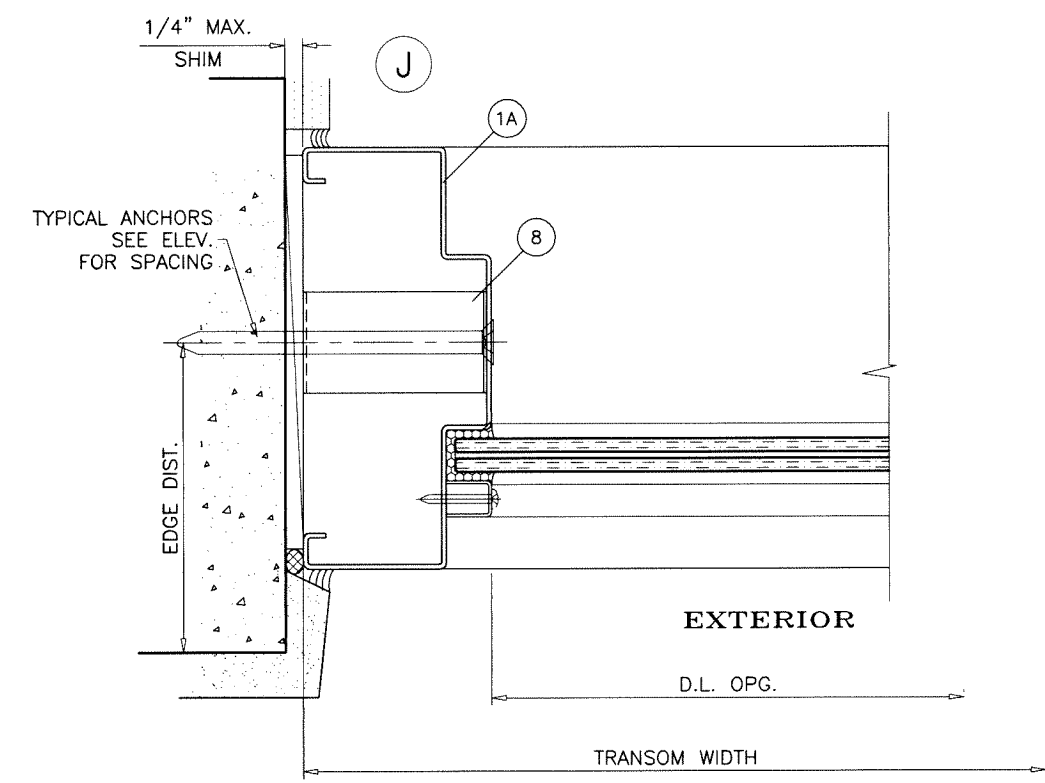
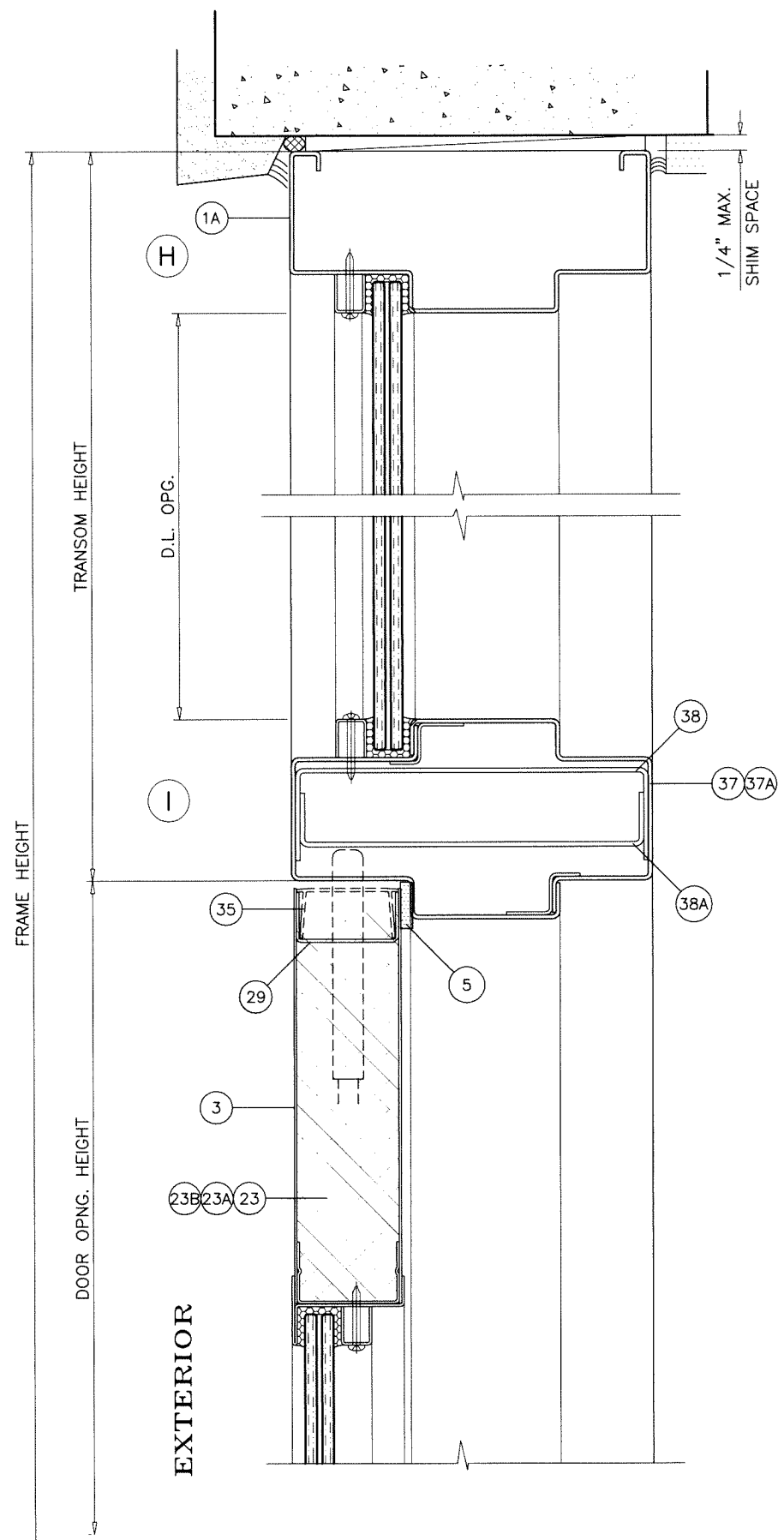
gensteeldoors

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St. Laurent Quebec, Canada. H4T1K6
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W16-31GSD

revisions:		no date by description	
date:	04-27-16	scale:	3/8" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.		W16-31	
sheet		7 of 16	



Sealed: 10/5/2023

FL #21382



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ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
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COMP-ANL\W16-31CSD

GenStorm GLAZED OUTSWING STEEL DOOR (L.M.I.)

gensteeldoors

4950 Hickmore
St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

gensteeldoors

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St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:	
no	date by description

date: 04-27-16	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.	no.
W16-31	
sheet	8 of 16

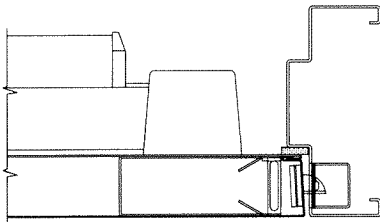
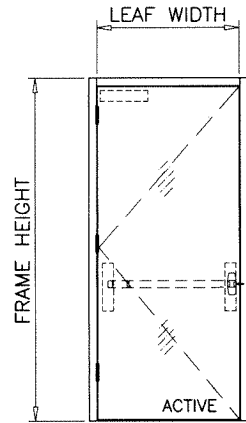
LOCK OPTIONS:

OPTION #1

MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +80.0
-65.0 PSF

ACTIVE LEAF:

'VON DUPRIN 9875' MORTISE PANIC EXIT DEVICE
LOCATED AT 39-3/4" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH WITH
(2) 8-32 X 3/8" FH MS



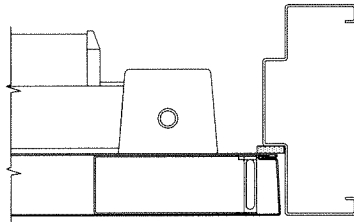
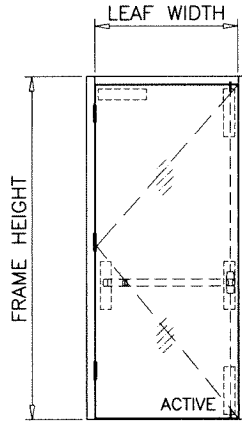
LOCK STILE SINGLE DOOR

OPTION #2

MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +80.0
-80.0 PSF

ACTIVE LEAF:

'PRECISION HC2800' CONCEALED VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 39-1/2" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH
(4) #10-24 X 1-1/4" OH MS



LOCK STILE SINGLE DOOR

OPTION #3

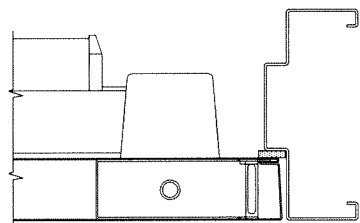
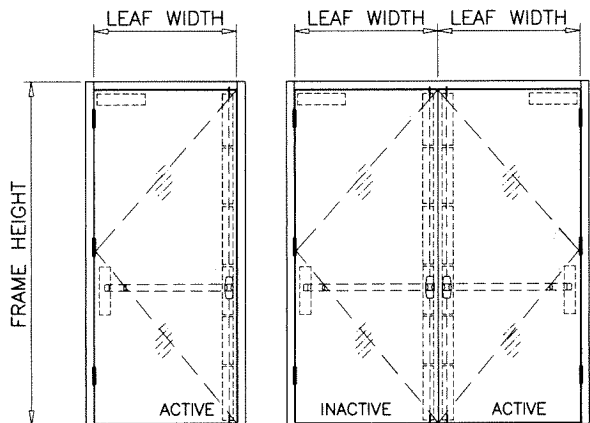
MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +80.0
-80.0 PSF

ACTIVE LEAF:

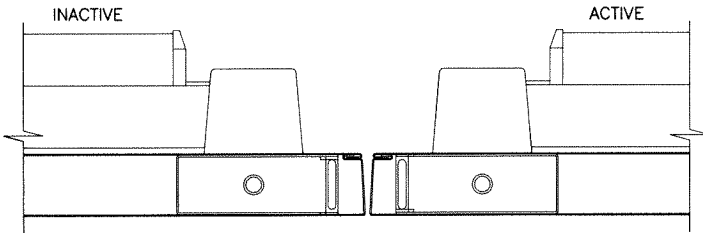
'VON DUPRIN 9847' CONCEALED VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 40" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH WITH
(6) 10-24 X 1-1/8" PH MS

INACTIVE LEAF

'PRECISION HC2800' CONCEALED VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 40" FROM BOTTOM
FASTENED TO INACTIVE LEAF WITH
(6) 10-24 X 1-1/2" OH MS



LOCK STILE SINGLE DOOR



MTG. STILES DOUBLE DOOR

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(C.A.N. 3538)

COMP-ANL W16-31CSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

gensteel
4950 Hickmore
St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:	
no	date by description

date: 04-27-16

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

W16-31

sheet 9 of 16

LOCK OPTIONS:

OPTION #4

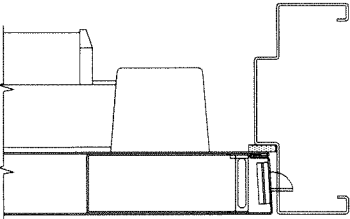
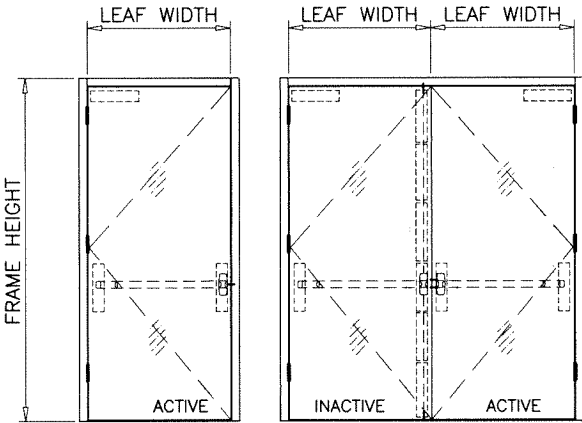
MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +65.0
-65.0 PSF

ACTIVE LEAF:

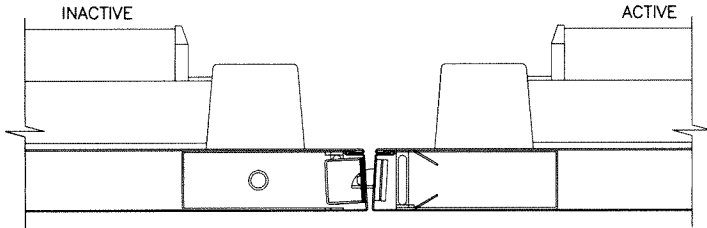
'PRECISION HC2300' MORTISE PANIC EXIT DEVICE
LOCATED AT 40" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH
(4) 10-24 X 1-1/4" OH SMS

INACTIVE LEAF

'PRECISION HC2800' CONCEALED VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 40" FROM BOTTOM
FASTENED TO INACTIVE LEAF WITH
(4) 10-24 X 1-1/4" OH MS



LOCK STILE SINGLE DOOR



MTG. STILES DOUBLE DOOR

OPTION #5

MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +65.0
-65.0 PSF

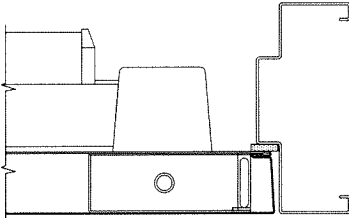
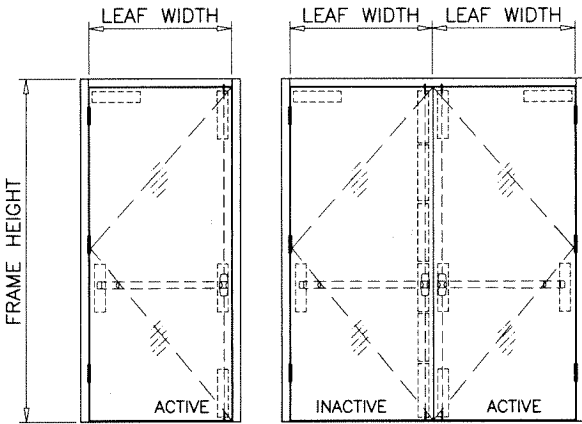
ACTIVE LEAF:

'PRECISION HC2800' CONCEALED VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 39-1/2" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH
(4) #10-24 X 1-1/4" OH MS

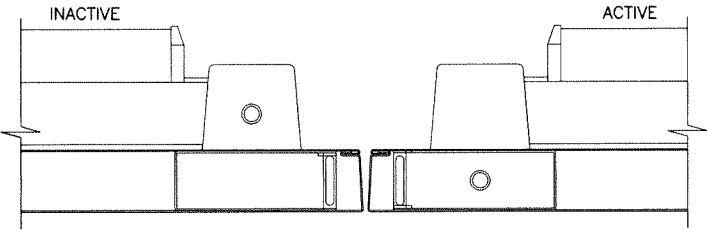
INACTIVE LEAF

'PRECISION HC2200' SURFACE VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 39-1/2" FROM BOTTOM
FASTENED TO INACTIVE LEAF WITH
(4) #10-24 X 1-1/4" OH MS

METALLIC STRIKE PLATE FASTENED TO FRAME HEAD WITH
(2) #10 X 1-1/4" FH SMS



LOCK STILE SINGLE DOOR



MTG. STILES DOUBLE DOOR

OPTION #6

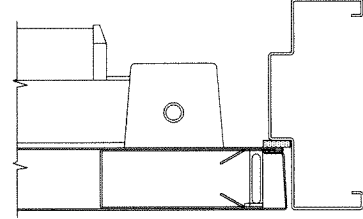
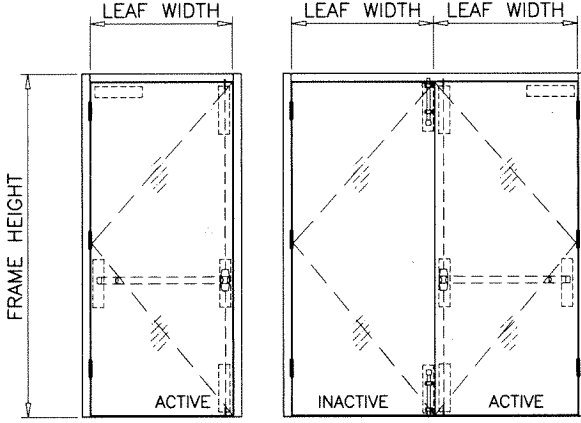
MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +80.0
-80.0 PSF

ACTIVE LEAF:

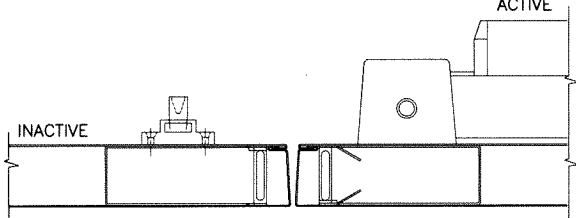
'PRECISION HC2200' SURFACE VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 40" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH
(4) #10-24 X 1-1/4" OH MS

INACTIVE LEAF

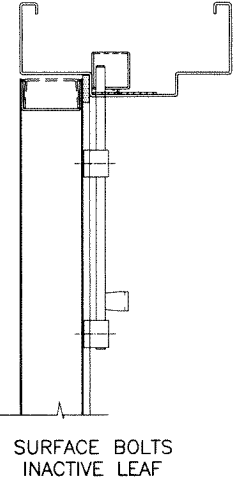
'IVES SB453' SURFACE MOUNT MANUALLY OPERATED
BOLTS AT TOP & BOTTOM
FASTENED TO INACTIVE LEAF WITH
(4) #12 X 1-1/4" FH MS



LOCK STILE SINGLE DOOR

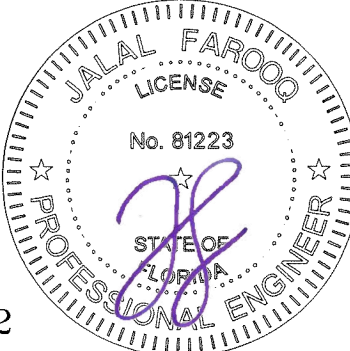


MTG. STILES DOUBLE DOOR



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COMP-ANL\W16-31GSD

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

gensteeldoors

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St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:
no date by description

date: 04-27-16
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dr. by: TARIQ

chk. by:

drawing no.

W16-31

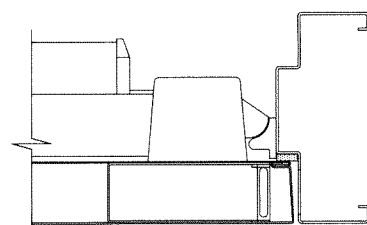
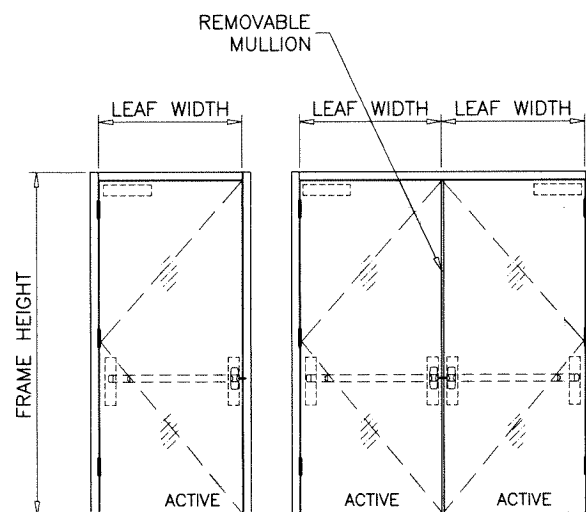
sheet 10 of 16

OPTION #7

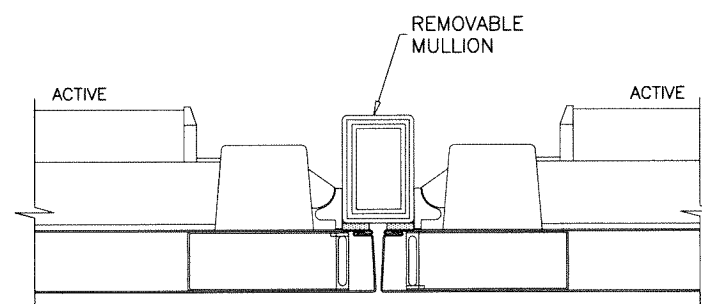
MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +65.0
-65.0 PSF

ACTIVE LEAF:

'PRECISION HC2100' SURFACE MOUNT RIM EXIT DEVICE
LOCATED AT 41-3/4 FROM BOTTOM
FASTENED WITH
(4) 10-24 X 1-1/4" OH MS



LOCK STILE SINGLE DOOR



MTG. STILES DOUBLE DOOR WITH MULLION

OPTION #8

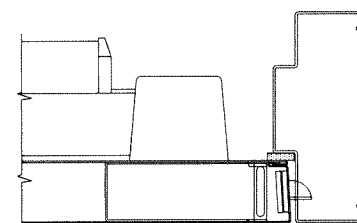
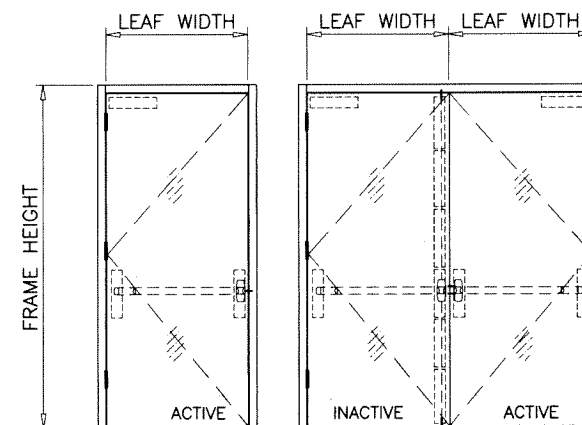
MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +70.0
-70.0 PSF

ACTIVE LEAF:

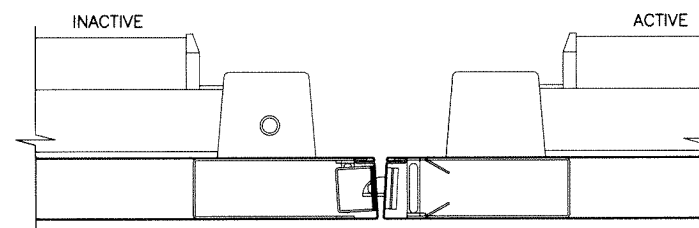
'DORMA 9300/9500' MORTISE PANIC EXIT DEVICE
LOCATED AT 39-1/2" FROM BOTTOM
FASTENED TO ACTIVE LEAF WITH
(2) 12-24 X 1-1/2" FH MS
(2) #12 X 1" FH MULTI THREAD SCREWS
(2) 12-24 X 1-1/2" PH MS
(2) 12-24 X 3/4" PH MS SEX BOLT

INACTIVE LEAF

'DORMA 9100/9400' SURFACE VERTICAL ROD PANIC EXIT DEVICE
LOCATED AT 39-1/2" FROM BOTTOM
FASTENED TO INACTIVE LEAF WITH
(4) 12-24 X 1-1/2" PH MS
(2) 12-24 X 3/4" PH MS
(6) 12-24 X 3/4" PH MS SEX BOLT

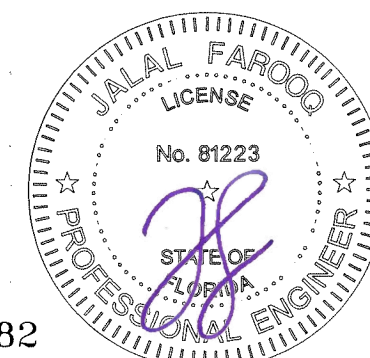


LOCK STILE SINGLE DOOR



MTG. STILES DOUBLE DOOR

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FL #21382

GenStorm® GLAZED OUTSWING STEEL DOOR (L.M.I.)

Steel Doors

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St. Laurent Quebec, Canada. H4T1K6
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AL-FAROQ CORPORATION
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date: 04-27-16	revisions:	
scale: 3/8" = 1"	no	by description
dr. by: TARIQ		
chk. by:		

drawing no.
W16-31

sheet 11 of 16

LOCK OPTIONS:

OPTION #9

MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +80.0
-80.0 PSF

ACTIVE LEAF:

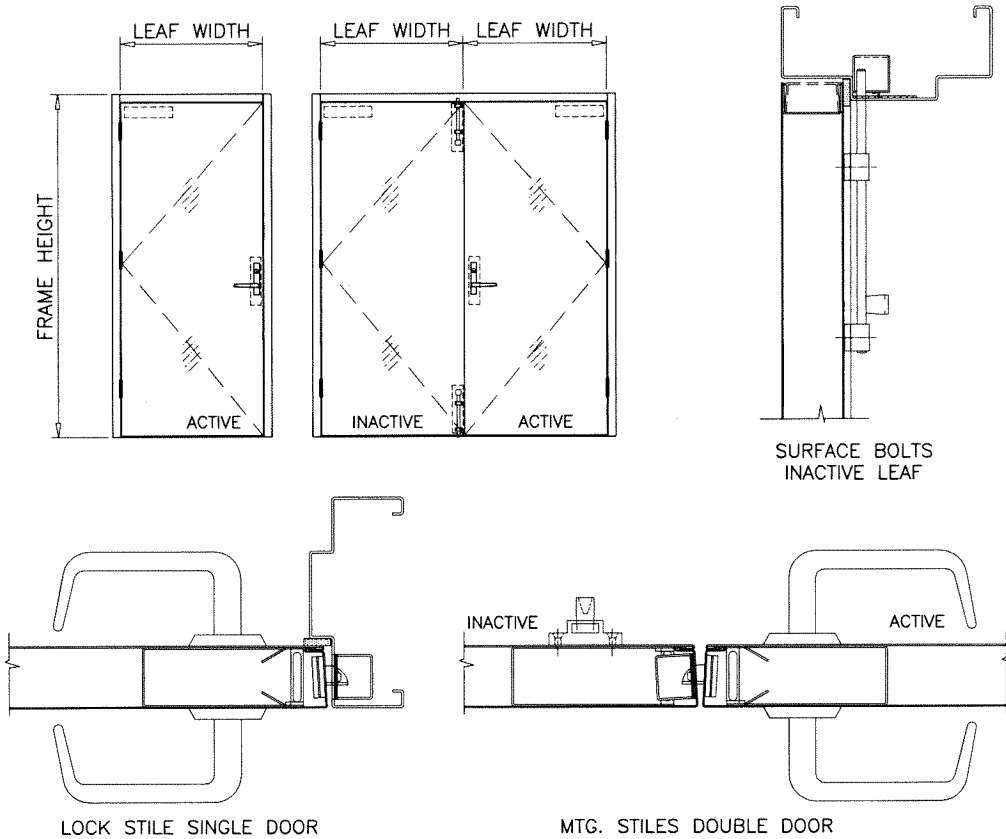
'SARGENT 8200' SURFACE MOUNT MORTISE LOCK WITH HANDLE
WITH SURFACE MOUNT DEAD BOLT
LOCATED AT 38" FROM BOTTOM
FASTENED WITH
(2) 8-32 X 1/4" FH MS

6-3/4" LONG 18 GA. STRIKE BOX FACING LOCK
FASTENED WITH
(2) #12-24 SCREWS

INACTIVE LEAF

'IVES SB453' SURFACE MOUNT MANUALLY OPERATED
BOLTS AT TOP & BOTTOM
FASTENED TO INACTIVE LEAF WITH
(4) 1/4-20 X 1-3/8" FH MS

METALLIC STRIKE PLATE FASTENED TO FRAME HEAD WITH
(2) #10 X 1-1/4" FH SMS



OPTION #10

MAX. FRAME HEIGHT = 98 IN.
MAX. LEAF WIDTH = 48 IN.
MAX. DESIGN LOAD = +70.0
-70.0 PSF

ACTIVE LEAF:

'DORMA CL700' SURFACE MOUNT LOCK WITH HANDLE
LOCATED AT 39-1/2" FROM BOTTOM
FASTENED WITH
(2) 8-36 X 3/8" FH MULTI THREAD SCREWS

STRIKE PLATE FACING LOCK
FASTENED WITH
(2) #10 X 1" FH SMS

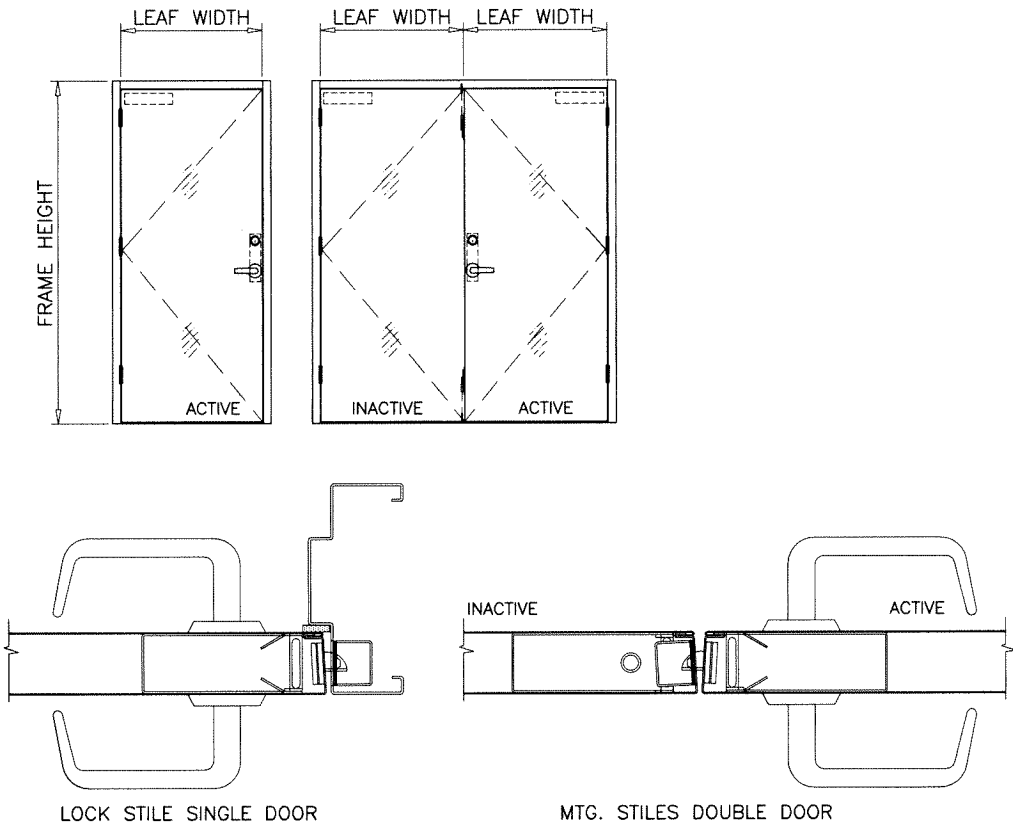
'DORMA DB6600' SURFACE MOUNT METALLIC DEAD BOLT
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INETRIOR
LOCATED AT 45-1/2" FROM BOTTOM
FASTENED WITH
(2) 1/4-20 X 1-5/8" FH MS
(2) 10-32 X 2-3/8" PH MS
(2) #8 X 3/8" FH MULTI THEAD SCREWS

STRIKE PLATE FACING DEAD BOLT
FASTENED WITH
(2) #8 X 3/8" FH MULTI THREAD SCREWS

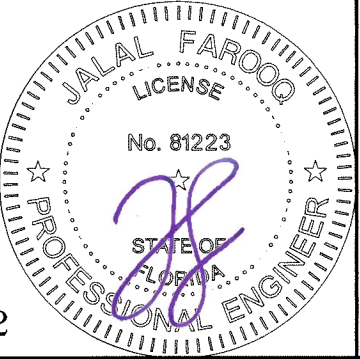
INACTIVE LEAF

'CRP IVES FB458' SURFACE MOUNT MANUALLY OPERATED
CONCEALED BOLTS AT TOP & BOTTOM
FASTENED TO INACTIVE LEAF WITH
(4) #8 X 3/8" FH MULTI THREAD SCREWS

METALLIC STRIKE PLATE FASTENED TO FRAME HEAD WITH
(2) #8 X 3/8" FH MULTI THREAD SCREWS



FL #21382



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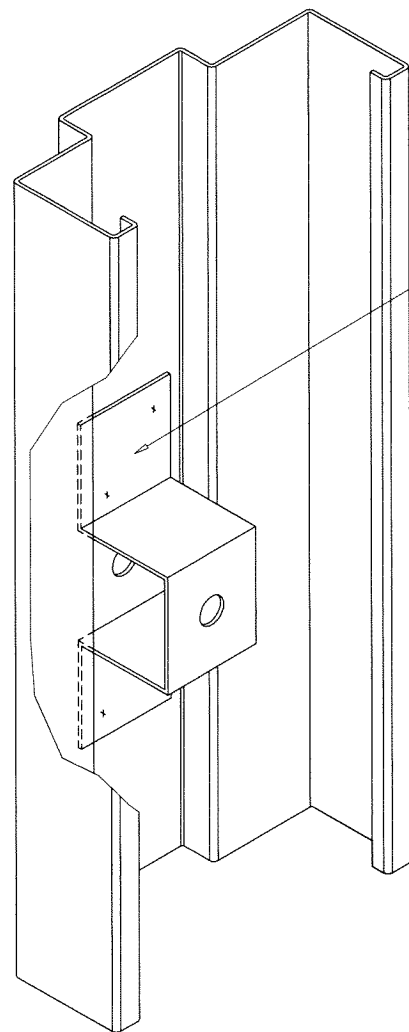
AL-FAROOQ CORPORATION
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revisions:	
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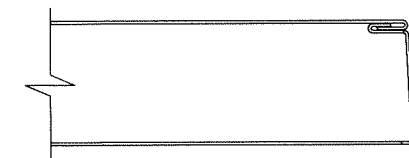
date: 04-27-16
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
W16-31
sheet 12 of 16

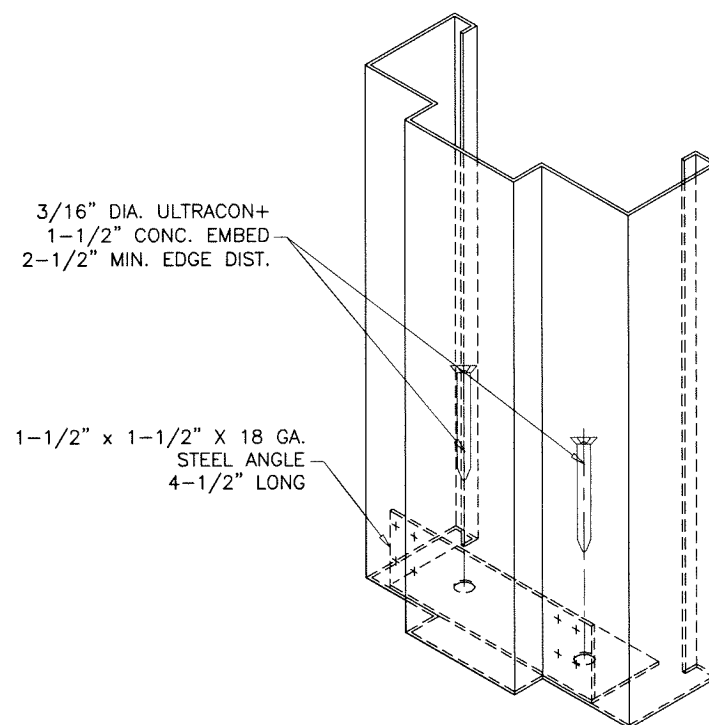


HAT ANCHOR SPACER
SPOT WELDED TO FRAME
TYP. AT ANCHOR LOCATIONS

FRAMES WITHOUT GROUT OPTION



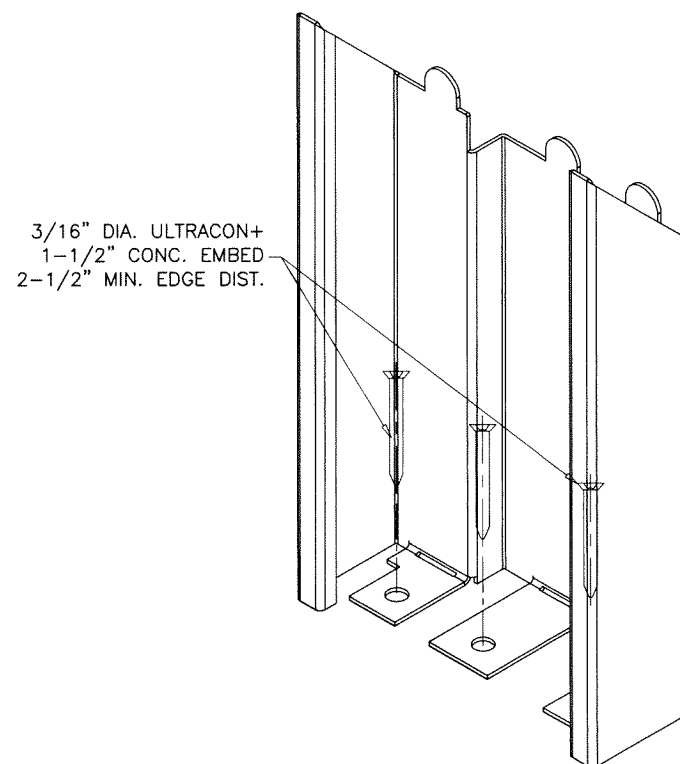
DOOR EDGE CONSTRUCTION



3/16" DIA. ULTRACON+
1-1/2" CONC. EMBED
2-1/2" MIN. EDGE DIST.

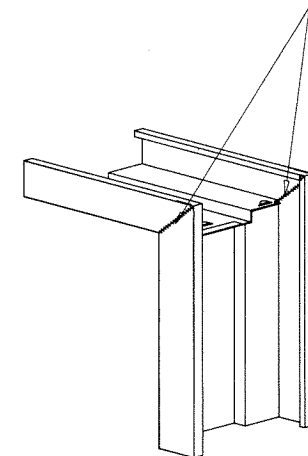
1-1/2" x 1-1/2" x 18 GA.
STEEL ANGLE
4-1/2" LONG

BOTTOM CORNER ANCHOR DETAIL
OPTIONAL



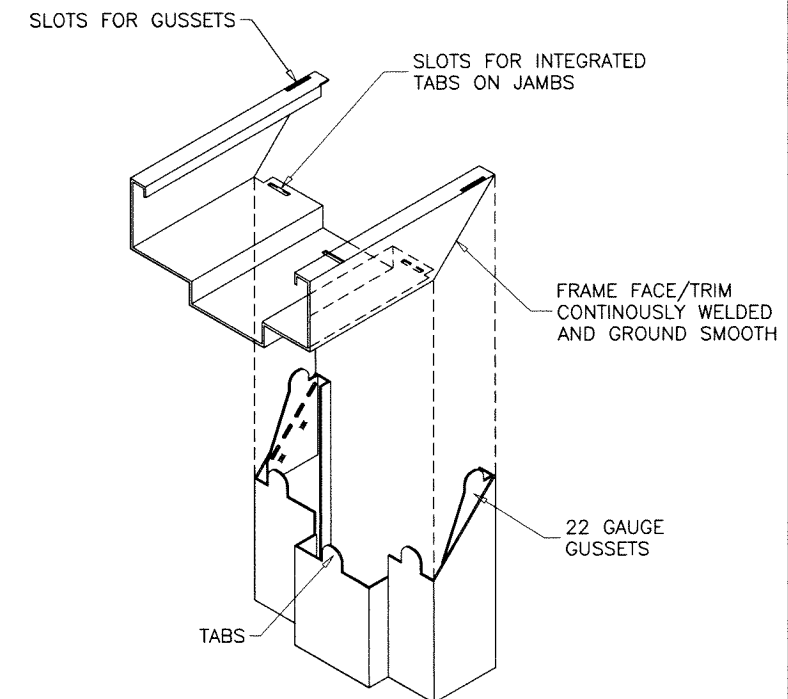
3/16" DIA. ULTRACON+
1-1/2" CONC. EMBED
2-1/2" MIN. EDGE DIST.

DOUBLE RABBET FLOOR ANCHOR DETAIL
OPTIONAL



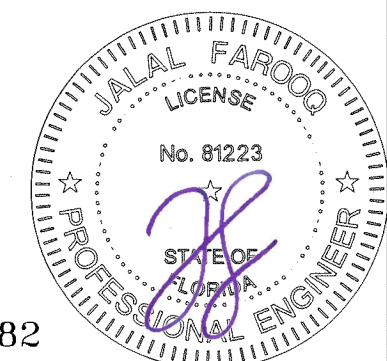
CONTINUOUS WELD
ALONG FACE ONLY,
GRINDED SMOOTH,
BONDO FILLED,
SANDED DOWN AND
TOUCHED-UP
WITH PRIMER PAINT.

FRAME CORNERS
OPTION #1



FRAME CORNERS
OPTION #2

Sealed: 10/5/2023



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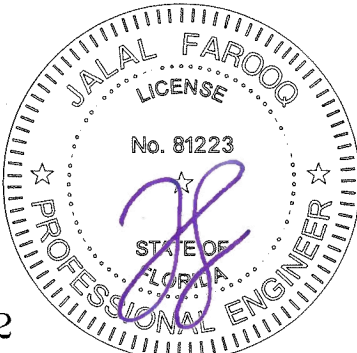
drawing no.
W16-31
sheet 13 of 16

ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	—	AS REQD.	FRAME HEAD/JAMB	STEEL/ST. STL.	18 GA. (.053") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
1A	—	AS REQD.	TRANSOM HEAD	STEEL/ST. STL.	16 GA. (.063") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
2	177AT-96	1	THRESHOLD WITH THERMO SEAL INSERT	ALUMINUM	PEMKO
2A	2005AT	1	THRESHOLD WITH THERMO SEAL INSERT	ALUMINUM	PEMKO
3	—	AS REQD.	HOLLOW METAL DOOR PANEL	STEEL/ST. STL.	20 GA. (.036") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
4	DR1010	AS REQD.	MORTISE BOX REINFORCEMENT	STEEL	GENSTEEL
5	P387	AS REQD.	FRAME W'STRIPPING	CLOSED CELL FOAM	PEMKO
6	—	AS REQD.	REINFORCEMENT PLATE (2-3/16" X 4" X .10")	STEEL	GENSTEEL
7	HC822	AS REQD.	REMOVABLE MULLION	STEEL	PRECISION HARDWARE, MIN. Fy = 46 KSI)
7A	—	AS REQD.	MULLION INSERT	STEEL	A36, MIN. Fu = 58 KSI
8	FA3012	AS REQD.	ANCHOR SPACER	STEEL	18 GA. (.053") MIN.
9	SB453	AS REQD.	SURFACE BOLT	STEEL	IVES
9A	FB458	AS REQD.	FLUSH BOLT	STEEL	IVES
10	FR1200	AS REQD.	REINFORCEMENT PLATE (1-3/4" X 12" X .053")	STEEL	GENSTEEL
11	FA1040	AS REQD.	JAMB INSTALLATION ANGLE AT FLOOR	STEEL	GENSTEEL
12	HR2000	1/ HINGE	HINGE DUST BOX (.018" THK.) (OPTIONAL)	STEEL	GENSTEEL
13	HR1030	2/ HINGE	HINGE REINFORCEMENT 10 GA. (.138" THK.)	STEEL	GENSTEEL, WELDED TO FRAME AND LEAF
14	DR1700	AS REQD.	MORTISE LOCK EDGE REINFORCEMENT (.134" THK.)	STEEL	GENSTEEL
15	FR1100	AS REQD.	ASA STRIKE BOX (.048" THK.)	STEEL	GENSTEEL
16	179-454	4/ LEAF	4-1/2" STD. WEIGHT HINGE	STEEL	DOREX. HAGER
17	FA3030	AS REQD.	WIRE ANCHOR (.173" DIA.)	STEEL	GENSTEEL
17A	FA3020	AS REQD.	STRAP ANCHOR	STEEL	GENSTEEL
17B	FA3031	AS REQD.	T ANCHOR	STEEL	GENSTEEL, 18 GA. MIN.
18	—	AS REQD.	SURFACE BOLT DUST BOX AT HEAD (OPTIONAL)	STEEL	GENSTEEL
20	315N	1/ LEAF	DOOR BOTTOM SWEEP	—	PEMKO
20A	#6 X 1"	AS REQD.	BOTTOM SWEEP FASTENERS	ST. STEEL	PH TEKS SCREWS
22	P375	AS REQD.	LEAF ASTRAGAL, WITH SPONGE NEOPRENE	—	PEMKO, REQD. FOR WATER INFILTRATION RESISTANCE
22A	#6 X 1/2"	AS REQD.	ASTRAGAL FASTENERS	ST. STEEL	PH SMS
23	—	AS REQD.	DOOR CORE, STRUCTURAL SMALL CELL HONEYCOMB	KRAFT PAPER	CASCADES ENVIROPAC
23A	—	AS REQD.	DOOR CORE, RIGID CLOSED CELL BOARD	POLYURETHANE	JOHNS MANVILLE
23B	—	AS REQD.	DOOR CORE, RIGID EXTRUDED CLOSED CELL BOARD	POLYSTYRENE	LEGERLITE INC.
29	CH3601	2/ LEAF	TOP AND BOTTOM RAIL CHANNEL, FULL LENGTH	STEEL	GENSTEEL
30	FR1000	AS REQD.	STRIKE REINFORCEMENT (.048" THK.) (DEAD BOLT)	STEEL	GENSTEEL
31	DR1600	AS REQD.	CYLINDRICAL LOCK & DEAD BOLT REINFORCEMENT	STEEL	GENSTEEL
35	—	1/ LEAF	DOOR LEAF CAP (OPTIONAL)	VINYL	PEMKO
36	DR1020	AS REQD.	CLOSER BOX REINFORCEMENT	STEEL	GENSTEEL
37	—	AS REQD.	TRANSOM MULLION (TYPE 1)	STEEL	16 GA. (.063") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
37A	—	AS REQD.	TRANSOM MULLION (TYPE 2)	STEEL	16 GA. (.063") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
38	—	AS REQD.	TRANSOM REINF. CHANNEL	STEEL	14 GA. (.075") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
38A	—	AS REQD.	TRANSOM REINF. CHANNEL	STEEL	14 GA. (.075") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
39	—	AS REQD.	LITE KIT CHANNEL	STEEL	GENSTEEL
40	—	AS REQD.	LITE KIT	STEEL	GENSTEEL
41	—	AS REQD.	GLAZING BEAD	STEEL	GENSTEEL
42	—	AS REQD.	GSM EXTERIOR LITE KIT	STEEL/ST. STL.	18 GA. (.053") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
42A	—	AS REQD.	EXTERIOR LITE KIT	STEEL/ST. STL.	18 GA. (.053") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
43	—	AS REQD.	GSM INTERIOR LITE KIT	STEEL/ST. STL.	18 GA. (.053") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI
43A	—	AS REQD.	INTERIOR LITE KIT	STEEL/ST. STL.	18 GA. (.053") MIN. Fy = 42 KSI, MIN. Fu = 53 KSI

HINGES:

4-1/2" LONG FLUSH MOUNT STEEL BUTT HINGES (3) PER LEAF
(1) AT 9-5/8" FROM TOP TO CL OF HINGE
(1) AT 12-3/8" FROM BOTTOM TO CL OF HINGE
CENTER HINGE EQUALLY SPACED FROM TOP & BOTTOM HINGE
FASTENED WITH #12-24 X 1/2" FH MACHINE SCREWS
FOUR PER HASP(LEAF).

Sealed: 10/5/2023



FL #21382

a f c

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

‘GenStorm’ GLAZED OUTSWING STEEL DOOR (L.M.I.)

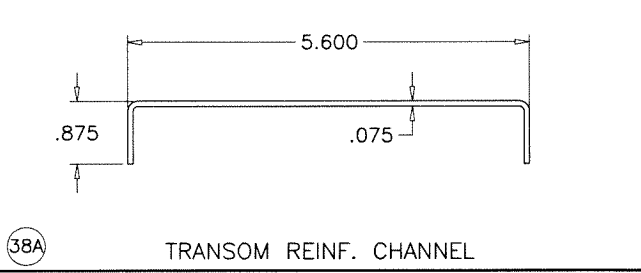
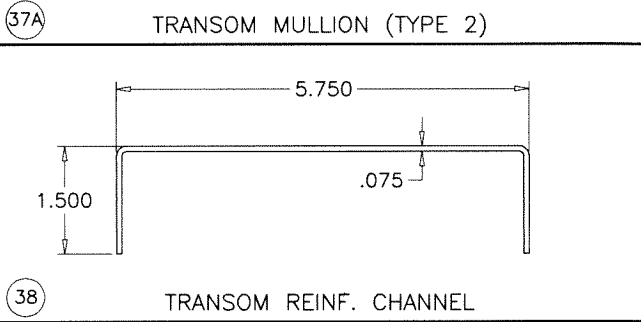
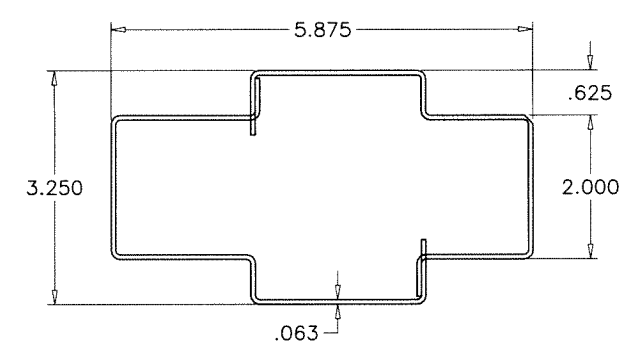
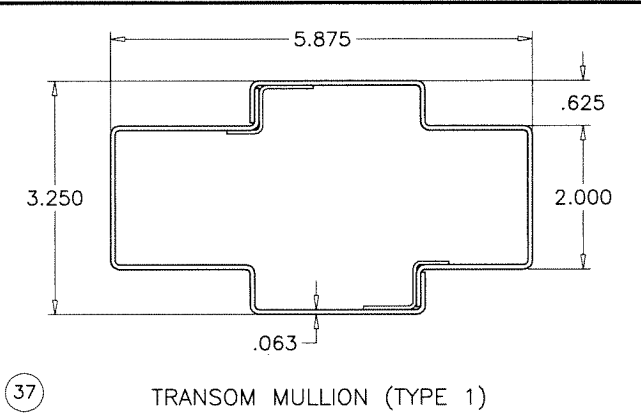
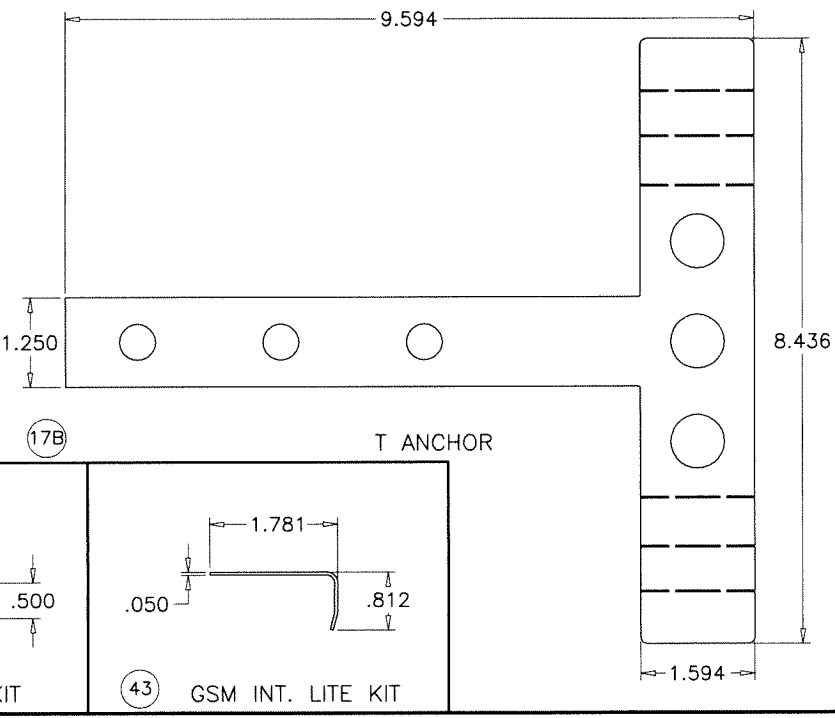
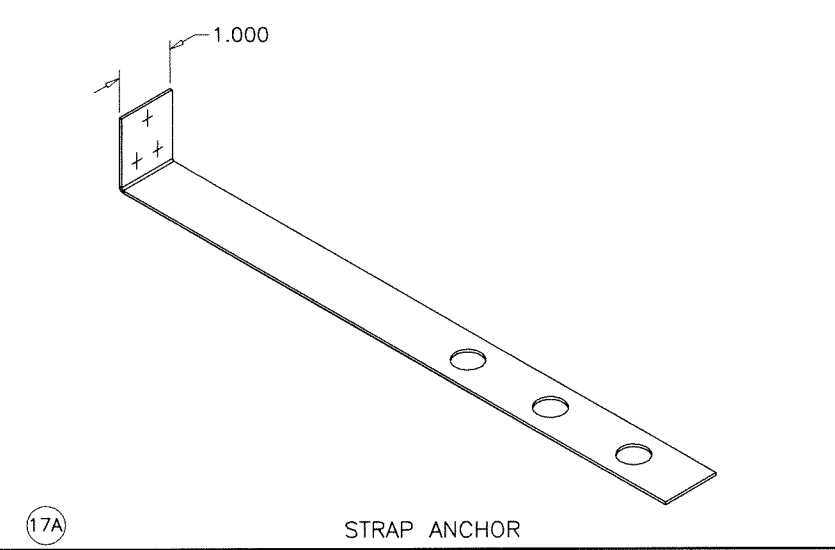
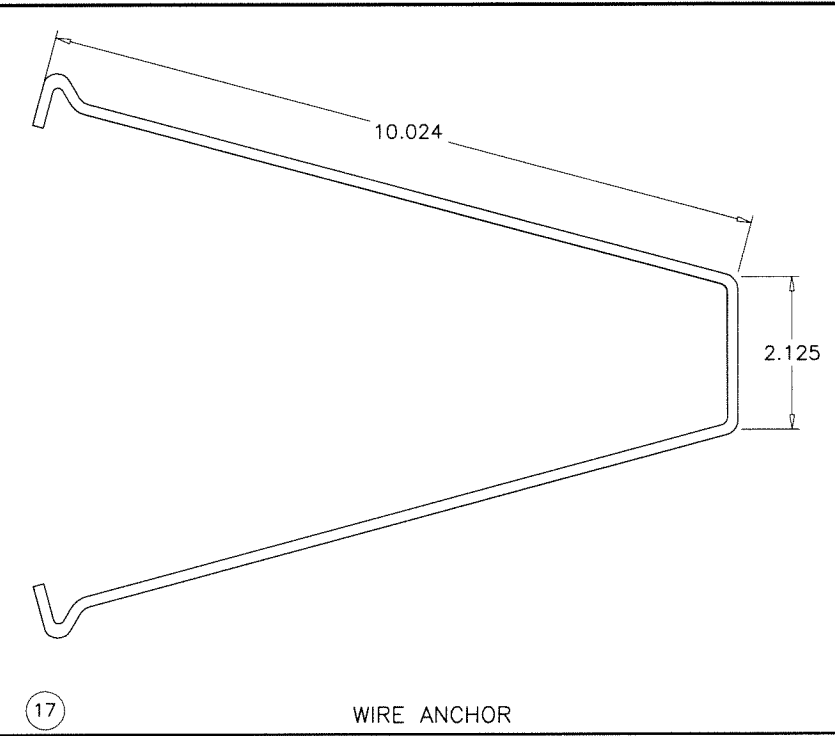
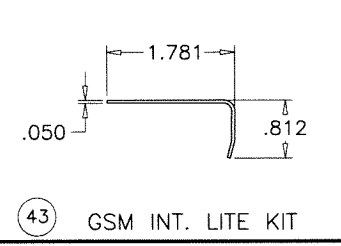
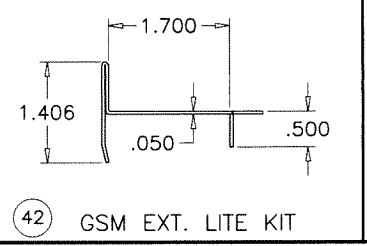
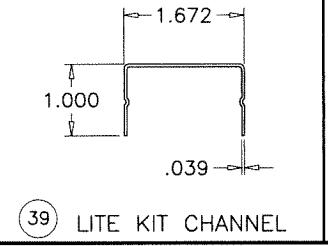
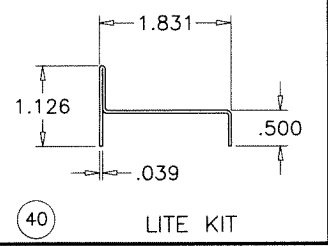
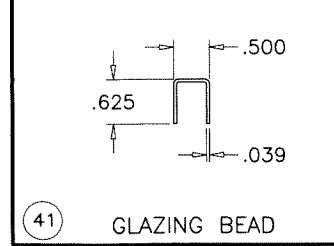
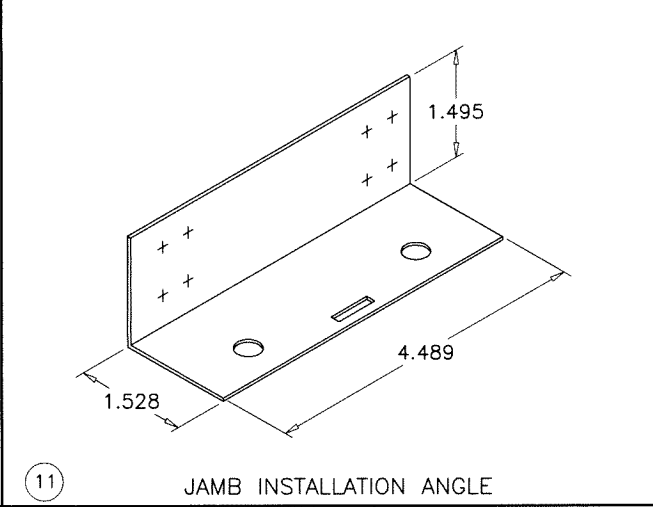
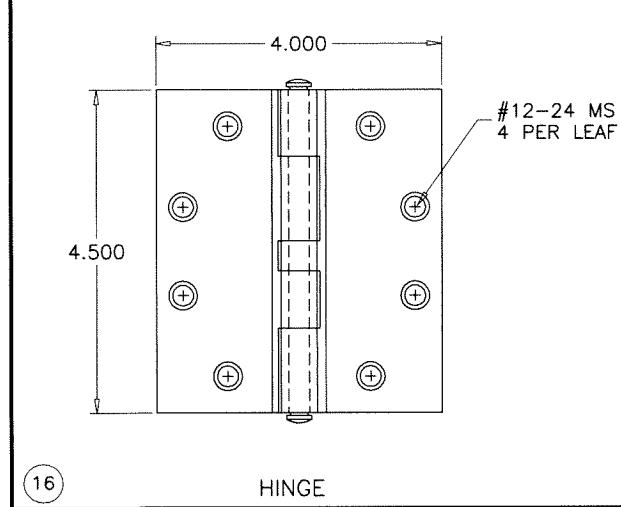
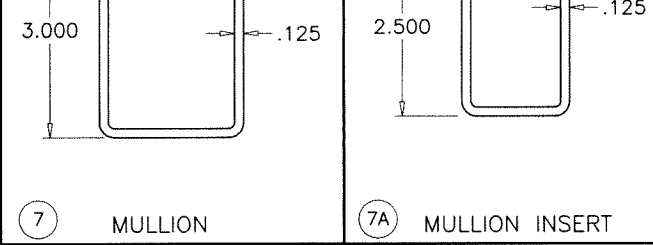
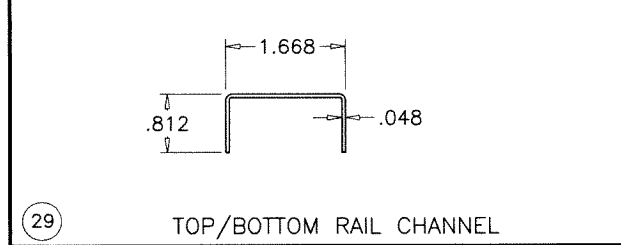
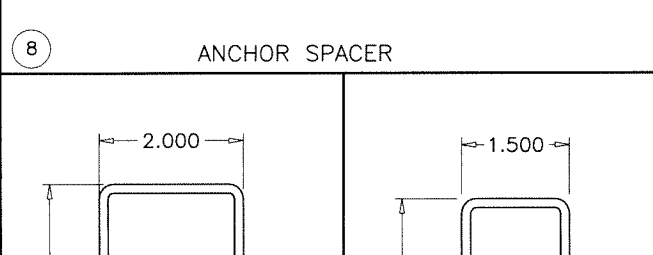
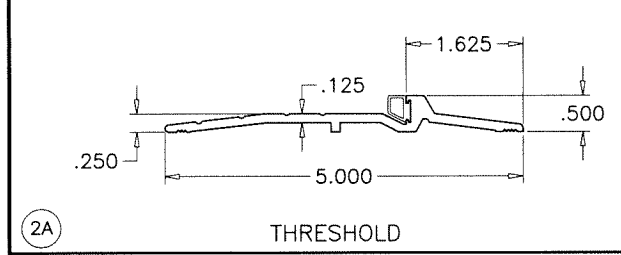
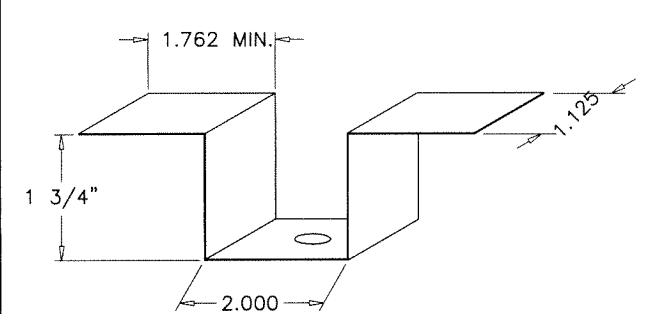
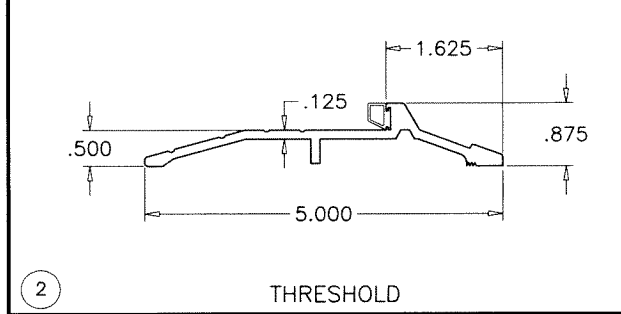
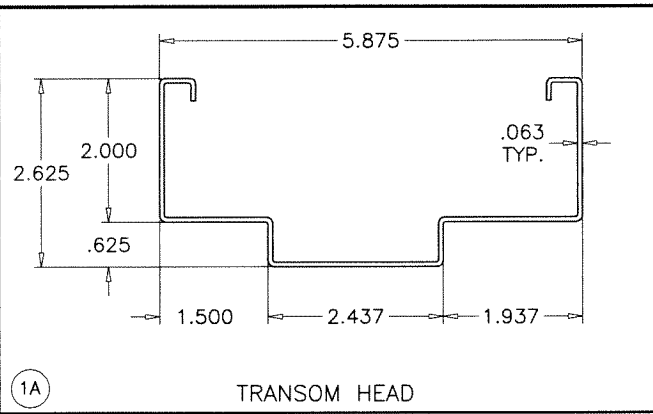
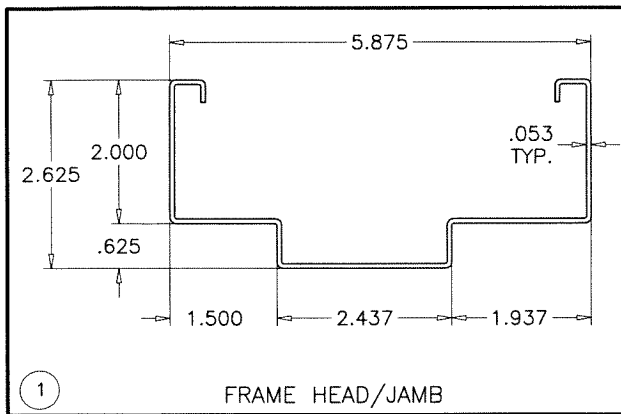
gensteel**doors**
4950 Hickmore
St. Laurent Quebec, Canada. H4T1K6
Tel. (514) 733-3562 Fax (514) 733-1932

revisions:
no date by description

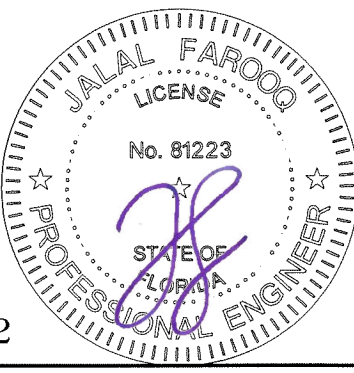
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chk. by:

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W16-31
sheet 14 of 16

COMP-ANL\W16-31CSD



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

'GenStorm' GLAZED OUTSWING STEEL DOOR (L.M.I.)

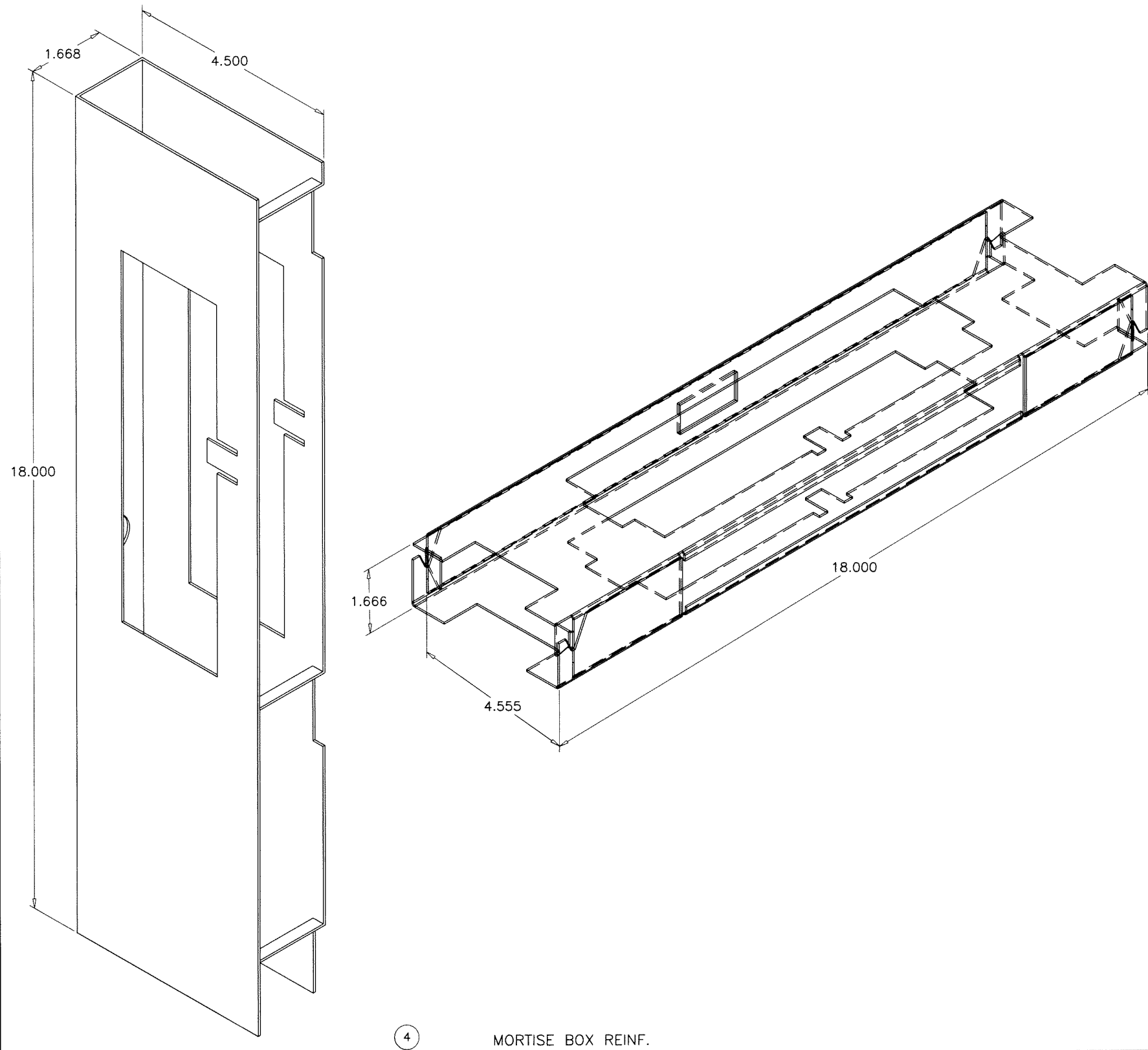
gensteeldoors

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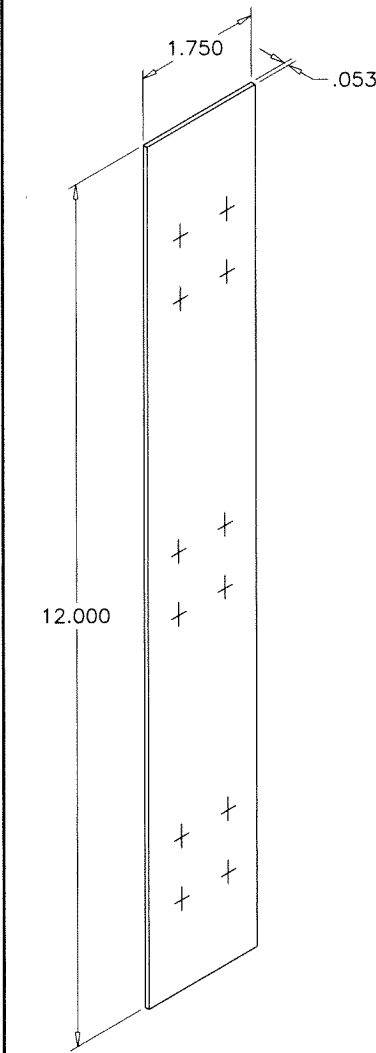
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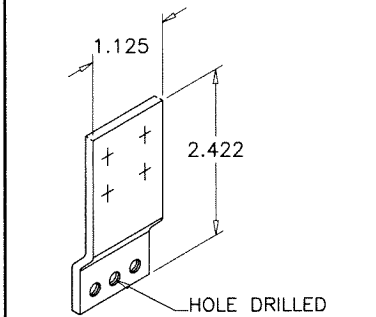
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sheet 15 of 16				FL #21382



4 MORTISE BOX REINF.



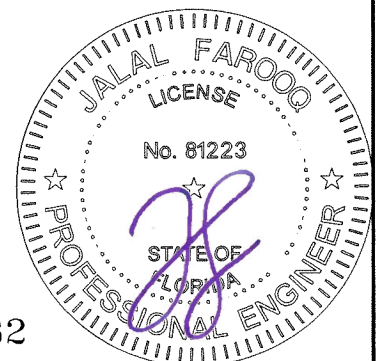
10 REINF. PLATE



14 MORTISE LOCK EDGE REINF.

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FL #21382



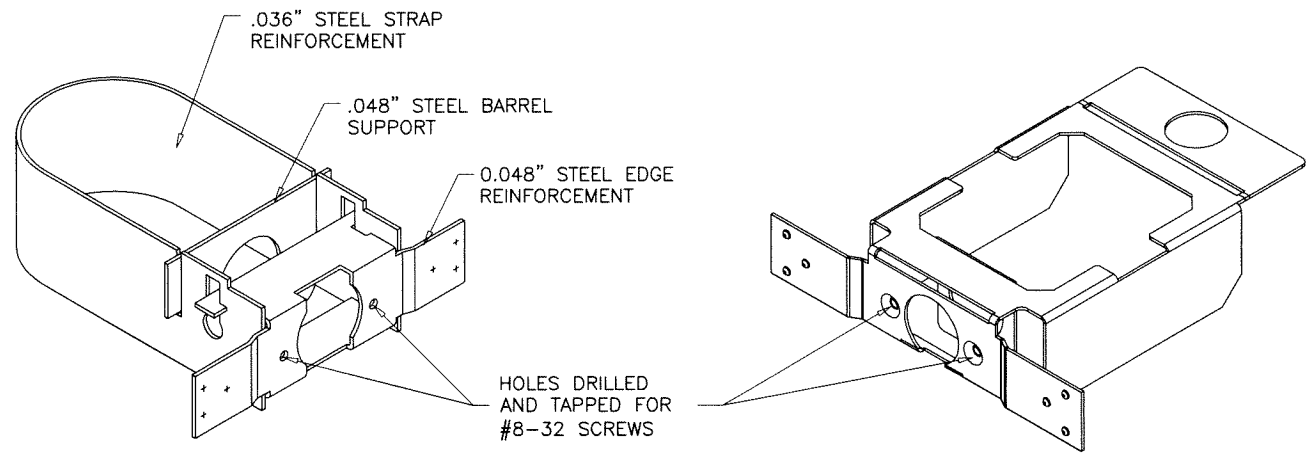
AL-FAROOQ CORPORATION
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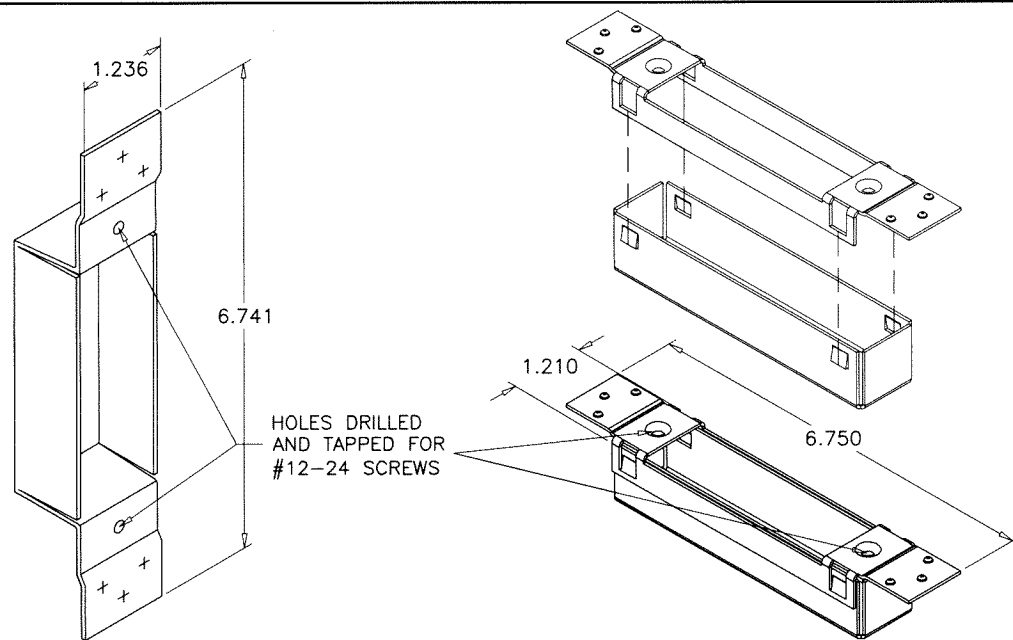
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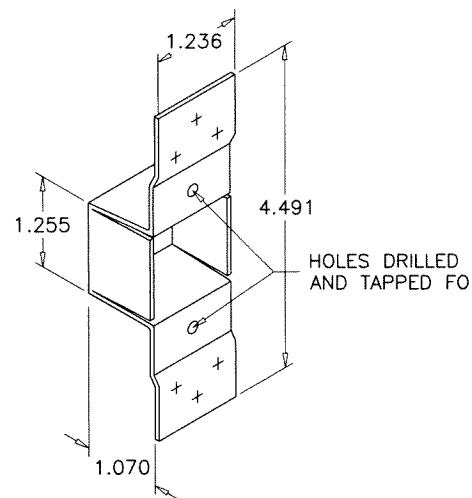
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sheet 16 of 16



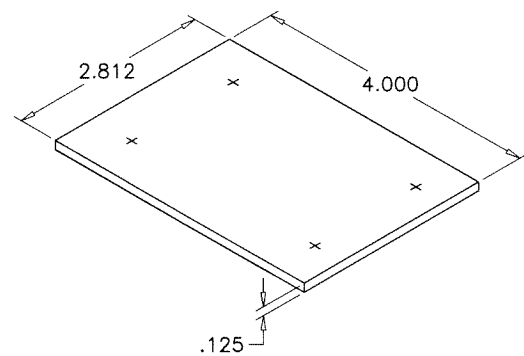
31 CYLINDRICAL LOCK & DEAD BOLT REINF.



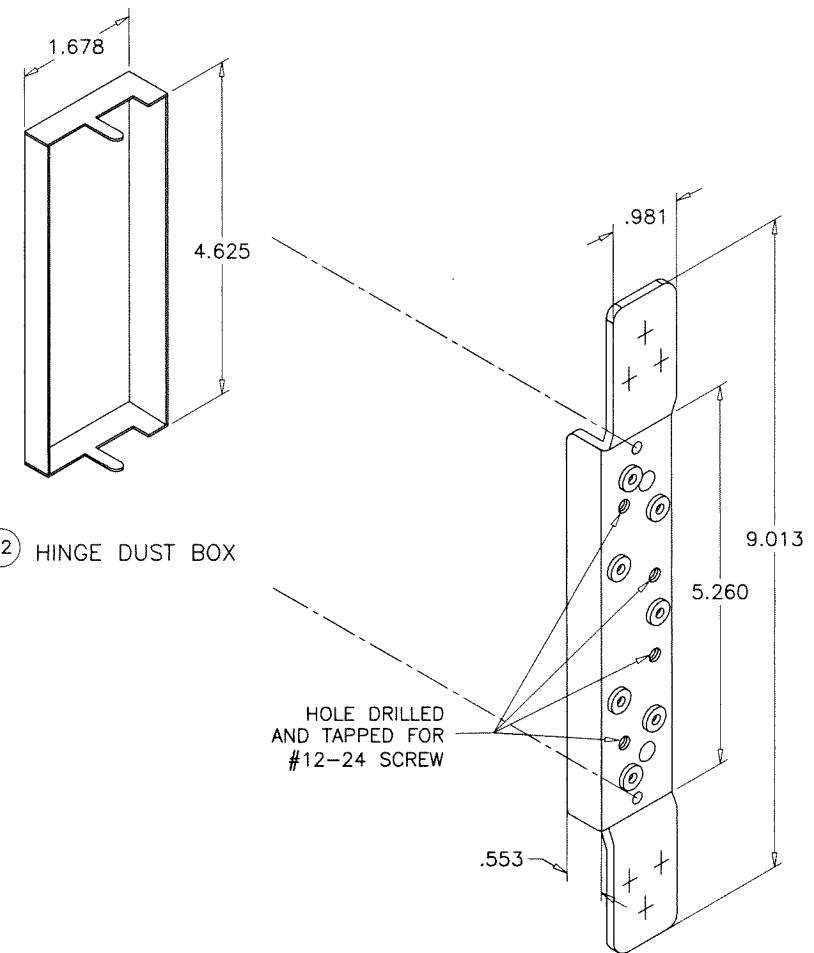
15 ASA STRIKE BOX



30 STRIKE REINF. DEAD BOLT



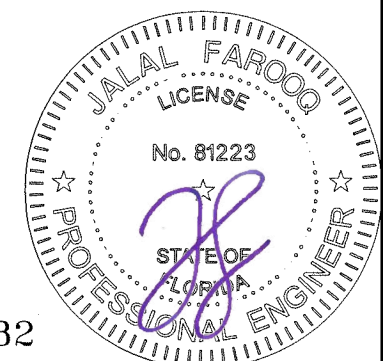
6 REINF. PLATE



12 HINGE DUST BOX

13 HINGE REINF.

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