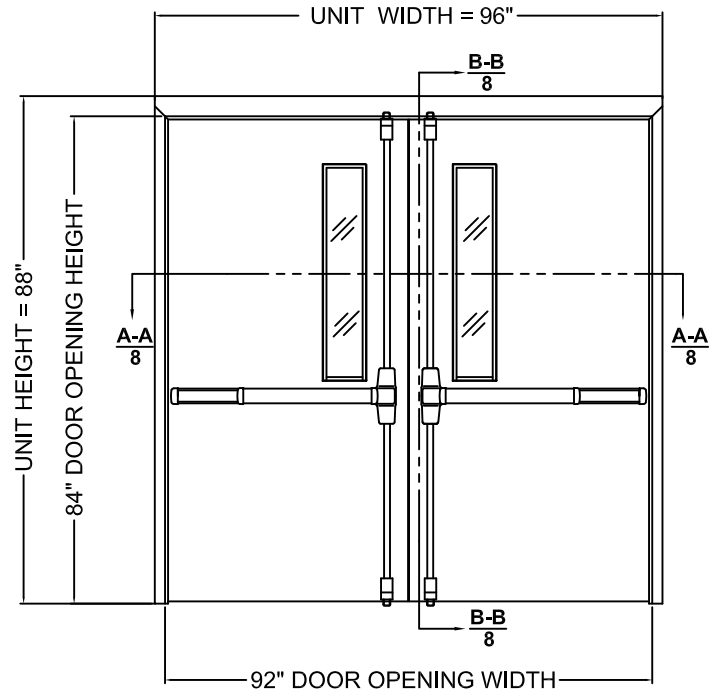


SURFACE VERTICAL ROD EXIT



CONFIGURATION 1			
DESIGN PRESSURE RATING			IMPACT RATING
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE AND SMALL MISSILE IMPACT LARGE MISSILE IMPACT 50 F/S LEVEL "D"
POSITIVE	NOT APPROVED	+ 70 PSF	
NEGATIVE	NOT APPROVED	- 70 PSF	

TABLE 1

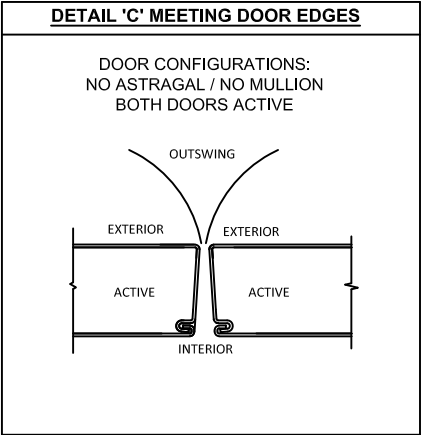
Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Maximum Exposed Glazing Size (DLO), in.		Locking Hardware Description			
	Positive	Negative	Width	Height	Width	Height	Hardware Family	Model/Series	Strike Models	Brand
1	70	70	92	84	6	30	Surface Vertical Rod Exit Device	9827, 9927, 9827-F, 9927-F	499F Top 304L Bottom	Von Duprin

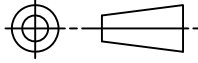
GENERAL NOTES:

1. THIS DOOR SYSTEM COMPLIES WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ). THIS DOOR SYSTEM HAS BEEN TESTED TO TAS 201-94, TAS 202-94, TAS 203-94, ASTM E330-14, ASTM E1886-13A, AND ASTM E1996-14A.
2. THE DOORS ARE LARGE MISSILE IMPACTED - 50 FEET PER SECOND. LEVEL "D".
3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.
4. ASSEMBLIES MEET FBC AIR INFILTRATION REQUIREMENTS.

NOTES:

1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS OF OUTSWING DOORS
2. SEE TABLE 1 ABOVE FOR GLAZING SIZE, HARDWARE APPLICATIONS & LIMITATIONS
3. SEE SHEETS 2 & 9 FOR HINGE REQUIREMENTS
4. SEE SHEETS 3, 4 AND 5 FOR ANCHORING
5. SEE SHEET 3, 4, 5, AND 9 FOR SILL INSTALLATION INFORMATION
6. SEE SHEET 6 FOR NON WATER RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
7. SEE SHEET 8 FOR GLAZING OPTIONS AND DETAILS



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032					
		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES					
DRAWN	DATE	GLASS OUTSWING, DOUBLE DOORS AND HARDWARE CONFIGURATIONS.					
YMF	05/20/07						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.			REV
				F2334D			C
ENG. APPVL		SCALE:		NTS	AUTOCAD	FL-16740	SHEET
JPD	11/15/07						1 OF 12

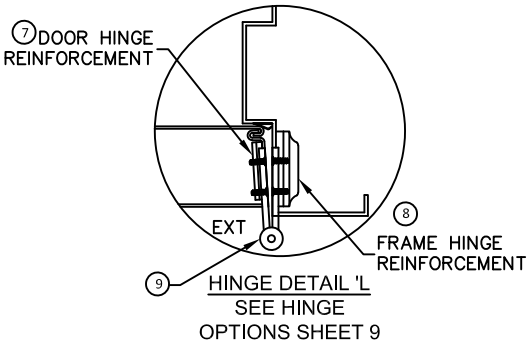
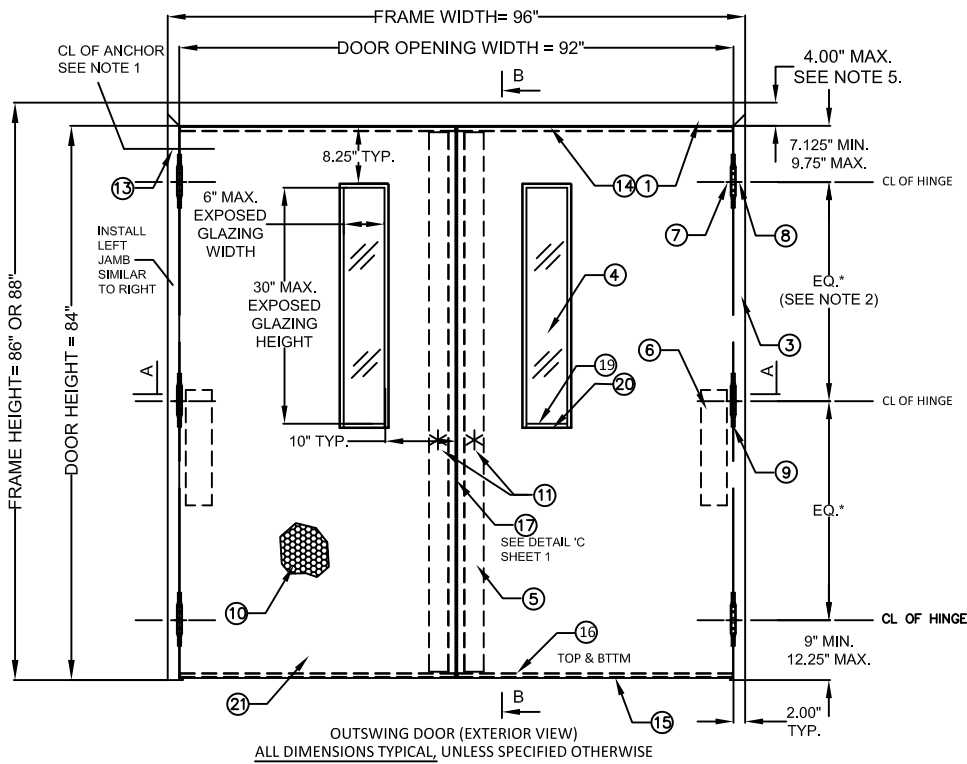
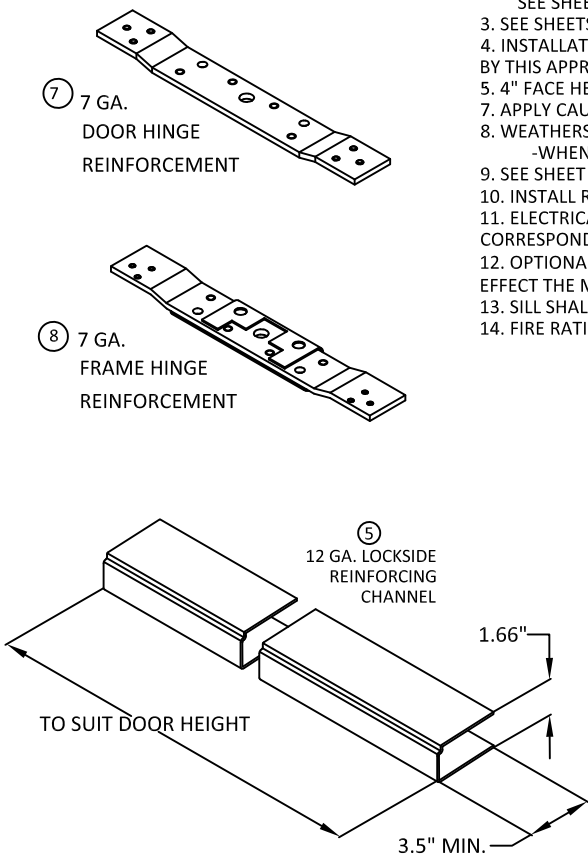
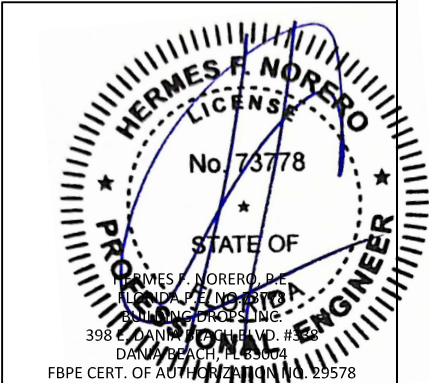


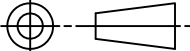
TABLE 2 (SEE TABLE 8, SHEET 11 FOR OPTION 2 CONFIGURATION)

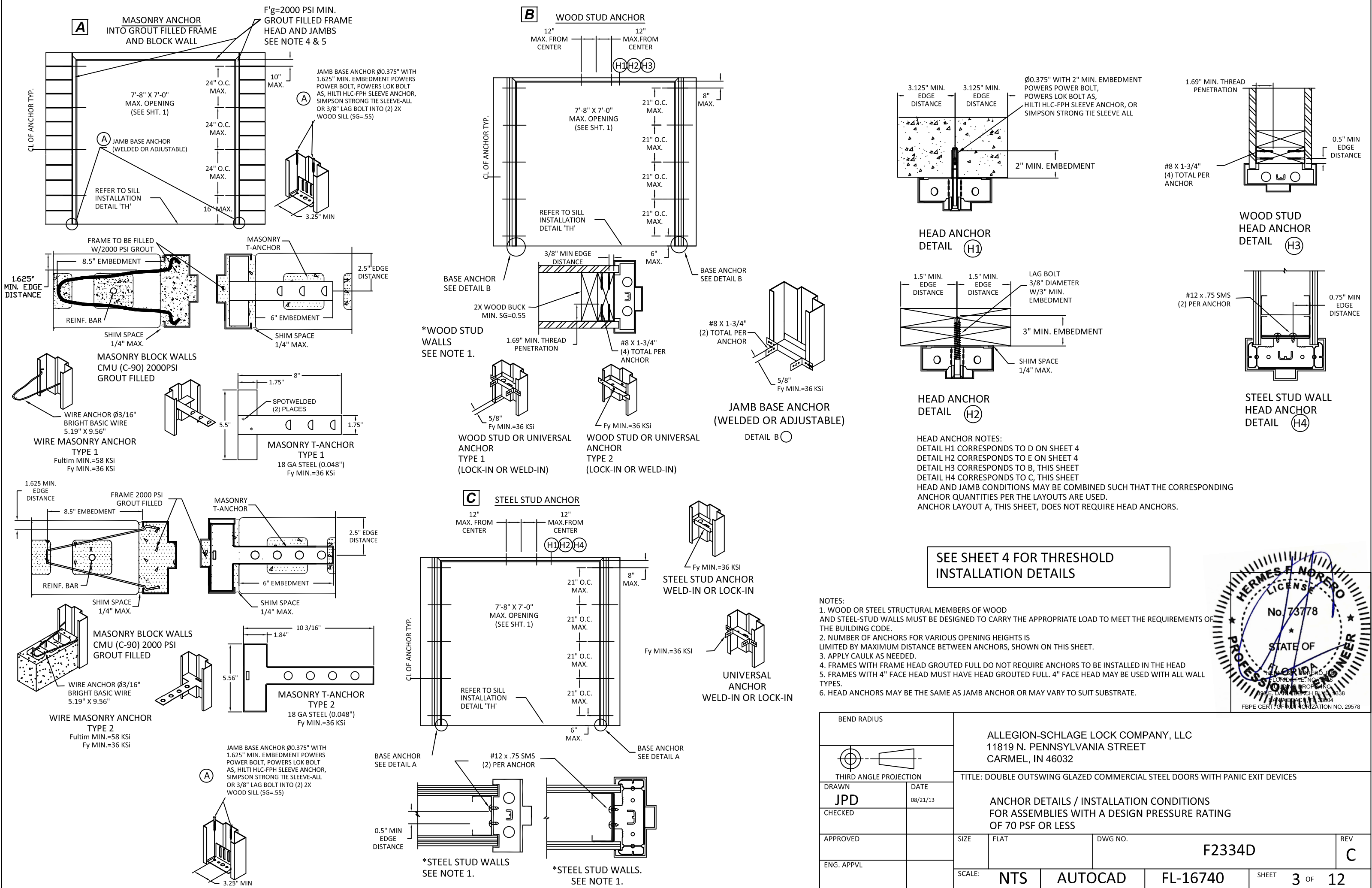
ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	SEE ELEVATION ON SHT. 1
1	1	HEAD SEE SHT 7	.053" MIN. STL	MAX. 96"	
2	1				
3	2	HINGE JAMB SEE SHT 7	.053" MIN. STL	MAX. 88" HEIGHT	
4	2	LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	.562" MIN - 0.68" MAX.	6" X 30" DLO	
5	2	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5" MIN X 83.5" MAX	
6	2	HINGE SIDE PANIC REINFORCEMENT DOOR	.067" MIN. STL	MAX. 20"	
7	1	HINGE REINFORCEMENT DOOR	.167" MIN. STL.	1.23" X 9.19" MIN.	
8	NOTE 2.	HINGE REINFORCEMENT FRAME	.167" MIN. STL.	1.5" X 9.19" MIN.	
9	NOTE 2.	4.5" X 4.5" BUTT HINGES (SEE SHT. 9)	.134 MIN.	(8) #12-24 MS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 9)	.075" MIN. STL/.12 ALUM	MAX. 84"	
10	2	CORE MATERIAL	A) HONEYCOMB B) MINERAL BOARD TEMPERATURE RISE CORE C) POLYSTYRENE D) POLYURETHANE/POLYISOCYANURATE E) STEEL STIFFENED		
11	2	LOCKING HARDWARE - SEE SHEET 1 TABLE 1.			
		THRESHOLD SILL W/BUMPER GASKET (SEE SHEET 6)			
12	1	12A) 566 BY ZERO SHT 6	.125" ALUM. 6063 T5	5.0"X0.5"X94"MAX.	
		12B) 65 BY ZERO SEE SHEET 6	.125" ALUM. 6063 T5		
		12C) 568 BY ZERO SEE SHEET 6	.125" ALUM. 6063 T5	6.0"X0.5"X94"MAX.	
13	NOTE 1.	JAMB ANCHOR	SEE SHEETS 3, 4, & 5		
14	SEE SHT 6	14A) PSO74 DOOR SEAL REPUBLIC	TPE		
		14B)188S, 14C)117S, 14D)8145S, 14E)8150S DOOR SEAL ZERO	SILICONE	VARIES	
15	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 46"	
16	4	END CHANNEL (16 GA - INVERTED)		.62" X 1.66" X 47.66" MAX.	
17	1	17A) 328 SPLIT ASTRAGAL BY ZERO INT'L	SEE SHEET 6		
		17B) 326 SPLIT ASTRAGAL BY ZERO INT'L			
		17C) 8194 SPLIT ASTRAGAL BY ZERO INT'L			
18	AS NEEDED	CAULK BUTYL RUBBER OR LATEX/SILICONE	SEE SHEET 6		
		GLAZING HOLDING TRIM SEE SHEET 8	SEE SHEET 8		
19	AS NEEDED	G) 1" STEEL OVERLAPPING TRIM	.035" MIN. STL	6" X 30" EXPOSED GLASS (DLO)	
		F) HIGH SECURITY VISION FRAME VLF510 BY AIR LOUVERS	.093"(12GA) MIN. STL.		
		L) STEEL OVERLAPPING TRIM	.035" MIN. STL		
20	NOTE 10.	CUTOUT REINFORCEMENT CHANNEL (18 GA)	.047" MIN. STL	0.5" X 1.66" X 8" X 32" MAX.	
21	2	DOOR SLAB (16 OR 14 GA)	SEE SHEET 7	3' 10" X 7' MAX.	
22	VARIES	22A) 8150S DOOR SEAL BY ZERO INT'L SEE SHT 6	SILICONE	VARIES	
		22B) 188S DOOR SEAL BY ZERO INT'L SEE SHT 6			
23	2				
24	2	24A) 139 DOOR SWEEP BY ZERO INT'L SEE SHT 6	TPE	MAX. 84"	
		24B) 328 DOOR SWEEP BY ZERO INT'L SEE SHT 6	TPE	MAX. 46"	
		24C) 39 DOOR SWEEP BY ZERO INT'L SEE SHT 6			
25	2	25A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHEET 6	TPE	MAX. 84"	
26	1	26A) 142 RAIN DRIP BY ZERO INT'L	SEE SHT 6	MAX. 96"	
	2	26B) 11 RAIN DRIP BY ZERO INT'L	SEE SHT 6	MAX. 46"	
27	0	TOP CAP GALV. A60	.020" MIN. STL	0.5" X 1.76" X 46" MAX.	



- NOTES:
- ANCHOR REQUIREMENTS: SEE SHEETS 3, 4 AND 5 FOR ANCHORS AND INSTALLATION
 - HINGE REQUIREMENTS: 4.5" STD WT. MIN.
FOR DOOR OPENING UP TO 84" HIGH - MIN (3) HINGES
STD LOCATIONS: 7.125" MIN. - 9.75" MAX. FROM RABBIT IN HEAD TO CL OF TOP HINGE
9" MIN. - 12.25" MAX. FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN. HINGE
LOCATIONS MAY VARY, MAX SPACING NOT TO EXCEED 35.5"
SEE SHEET 9 FOR APPROVED CONTINUOUS HINGE MODELS
 - SEE SHEETS 1, 2, AND 7 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
 - INSTALLATION HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS OR AS REQUIRED BY THIS APPROVAL.
 - 4" FACE HEAD IS AVAILABLE FOR FRAMES SEE SHEET 7
 - APPLY CAULK TO FULL LENGTH OF SILL AND ENTIRE PERIMETER OF FRAME SEE SHEET 6.
 - WEATHERSTRIPPING
-WHEN WATER INFILTRATION IS NOT REQUIRED INSTALL PER SHEET 6
 - SEE SHEET 9 FOR SECTION A-A AND B-B.
 - INSTALL REINFORCEMENT CHANNELS (ITEM #20) AROUND EACH LITE-CUTOUT.
 - ELECTRICAL INSTALLATION AND FIRE RATINGS ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
 - OPTIONAL POWER TRANSFERS, AND/OR "SIGNAL SWITCH" MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE AND/OR INHIBIT EGRESS.
 - SILL SHALL BE ANCHORED PER INSTALLATION DETAIL ON SHEETS 3, 4 AND 5
 - FIRE RATING NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.

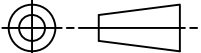


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, 46032					
							
THIRD ANGLE PROJECTION		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES GLASS DOUBLE DOORS OUTSWING CONFIGURATIONS					
DRAWN YMF	DATE 05/20/07						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO. F2334D		REV C	
ENG. APPVL JPD	11/15/07	SCALE:	NTS	AUTOCAD	FL-16740	SHEET 2 OF 12	



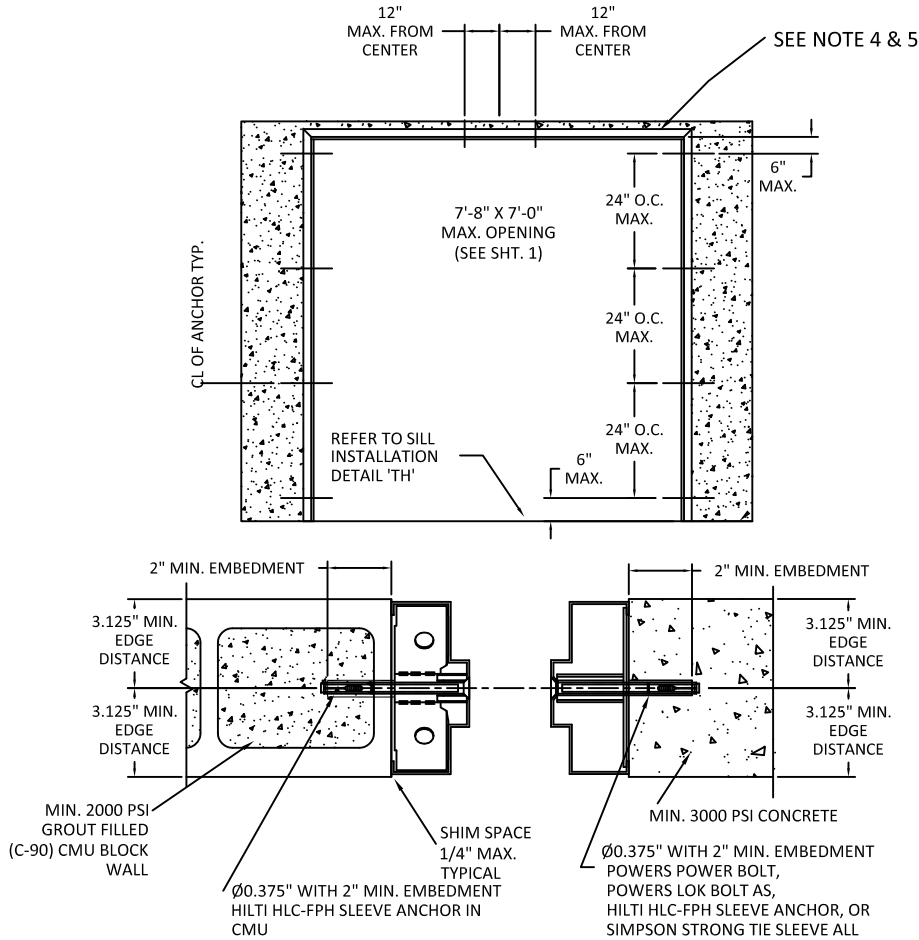
SEE SHEET 4 FOR THRESHOLD
INSTALLATION DETAILS

- NOTES:
1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
 3. APPLY CAULK AS NEEDED.
 4. FRAMES WITH FRAME HEAD GROUTED FULL DO NOT REQUIRE ANCHORS TO BE INSTALLED IN THE HEAD
 5. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL WALL TYPES.
 6. HEAD ANCHORS MAY BE THE SAME AS JAMB ANCHOR OR MAY VARY TO SUIT SUBSTRATE.

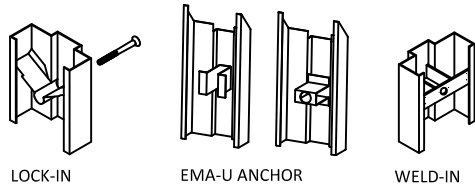
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
						
THIRD ANGLE PROJECTION		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES				
DRAWN JPD	DATE 08/21/13	ANCHOR DETAILS / INSTALLATION CONDITIONS FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING OF 70 PSF OR LESS				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	F2334D	REV C
ENG. APPVL		SCALE:	NTS	AUTOCAD	FL-16740	SHEET 3 OF 12

D

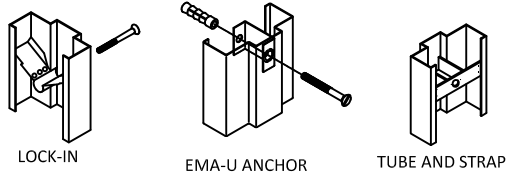
EXISTING WALL ANCHOR (EMA)
INTO CONCRETE WALL OR CMU



TYPE 1 EMA ANCHORS



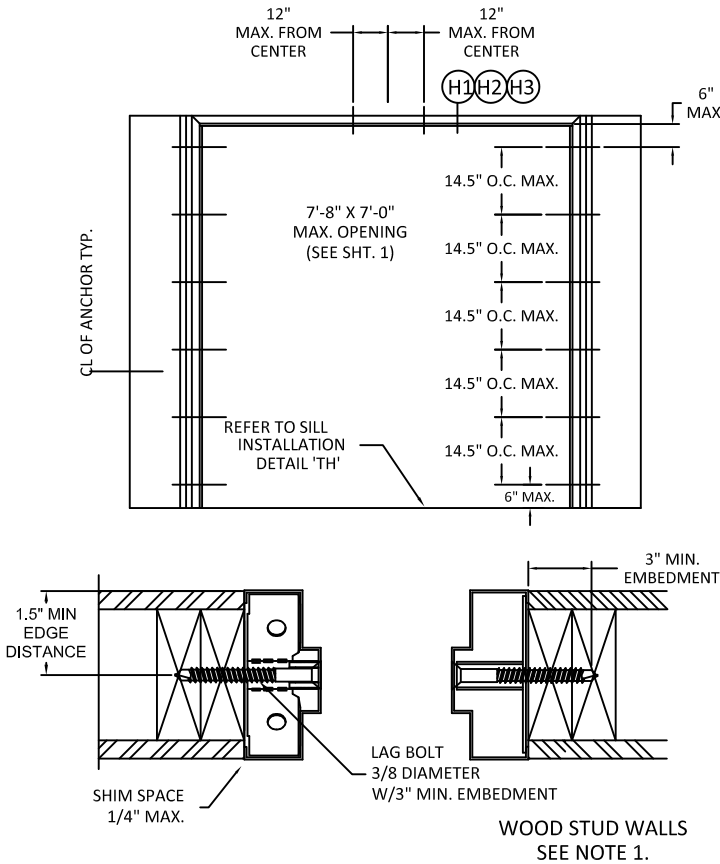
TYPE 2 EMA ANCHORS



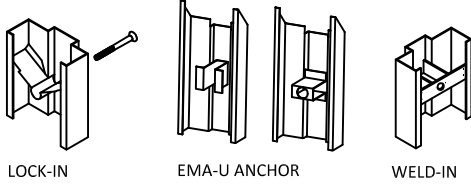
- NOTES:
- WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
 - NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
 - APPLY CAULK AS NEEDED.
 - FRAMES WITH FRAME HEAD GROUTED FULL DO NOT REQUIRE ANCHORS TO BE INSTALLED IN THE HEAD
 - HEAD ANCHORS TO SUIT SUBSTRATE, TYPE MAY VARY FROM JAMB ANCHOR.
 - FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.

E

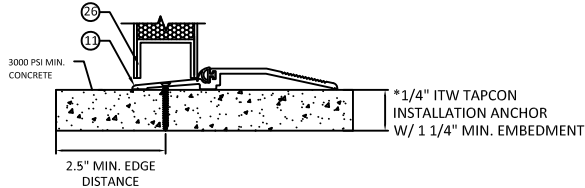
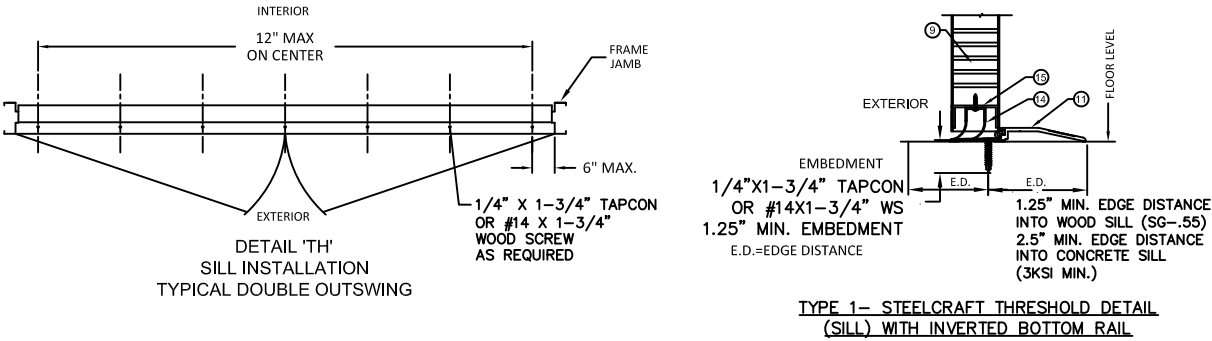
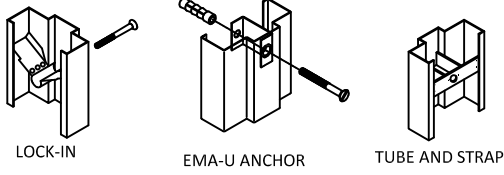
EXISTING WALL ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL



TYPE 1 EMA ANCHORS

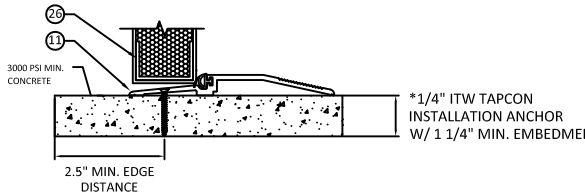


TYPE 2 EMA ANCHORS



TYPE 2 REPUBLIC THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL

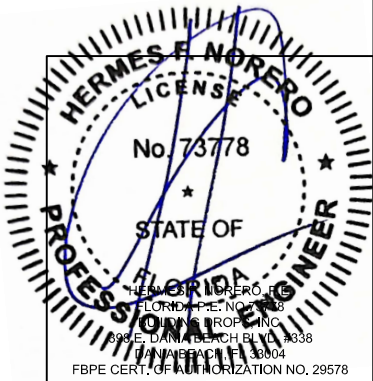
*NOTE: THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG= 0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND MINIMUM 3/4" EDGE DISTANCE.



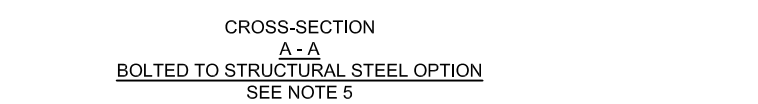
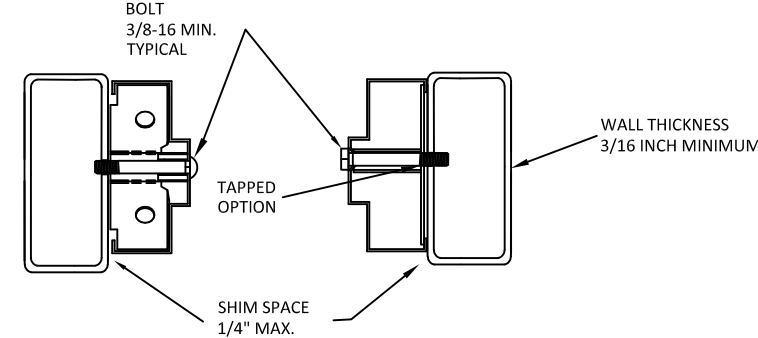
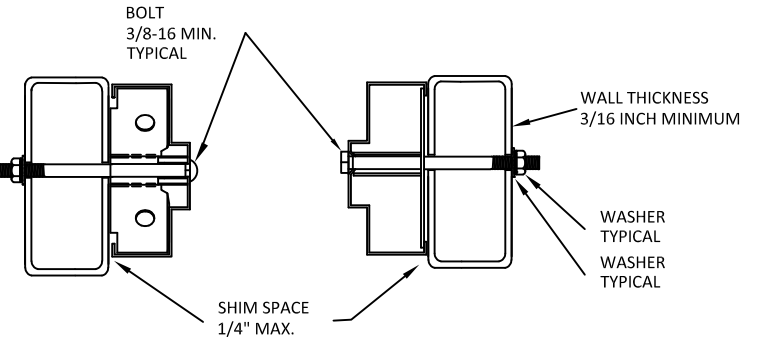
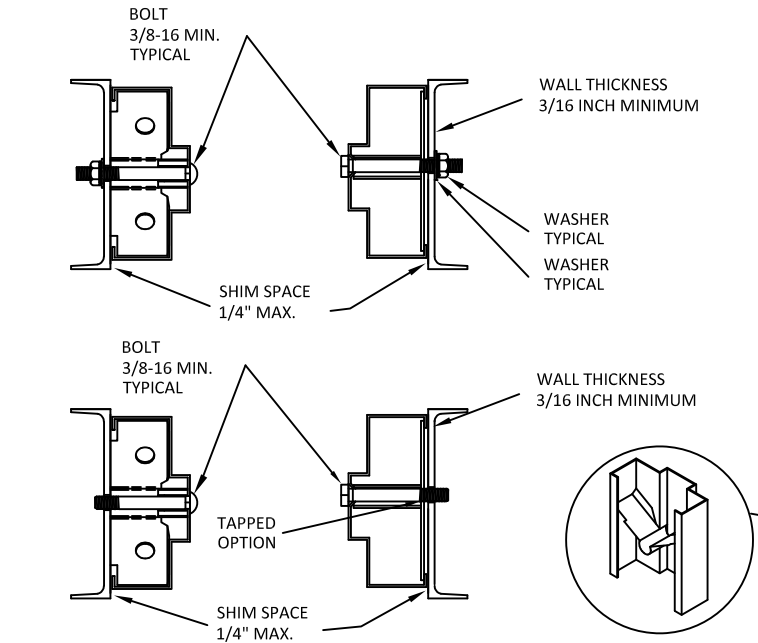
TYPE 2 -REPUBLIC THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

*NOTE: THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG= 0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND MINIMUM 3/4" EDGE DISTANCE.

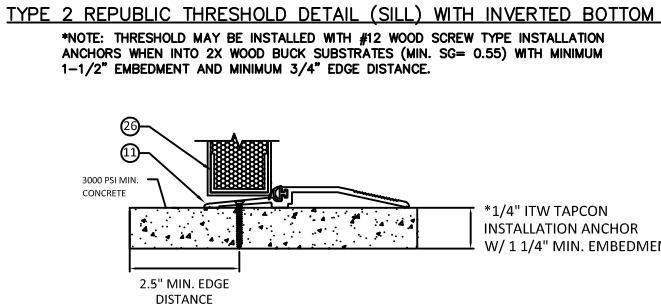
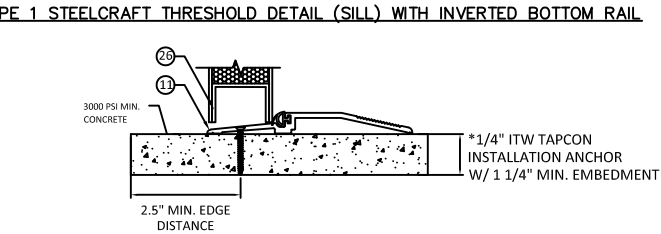
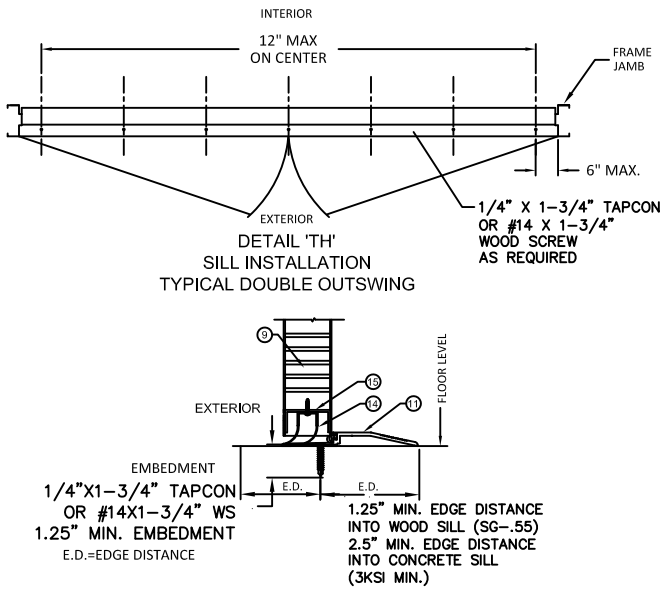
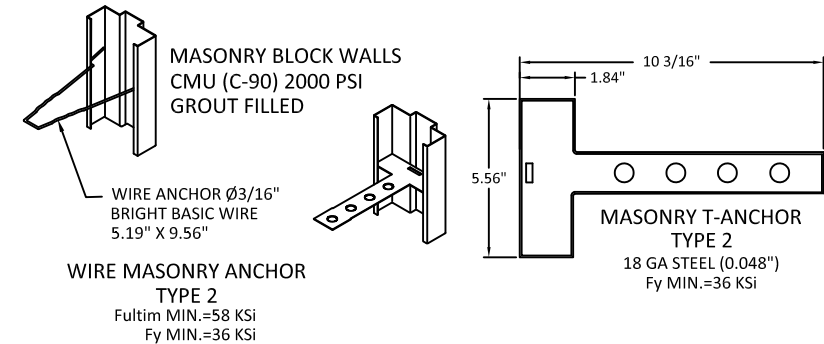
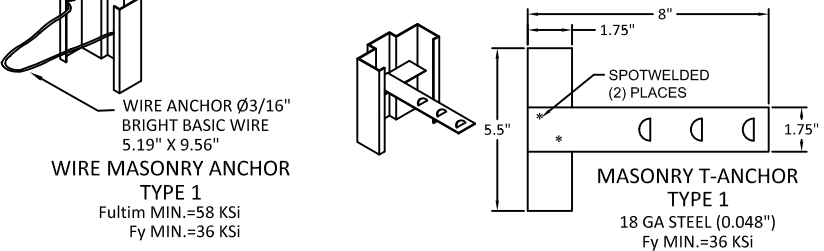
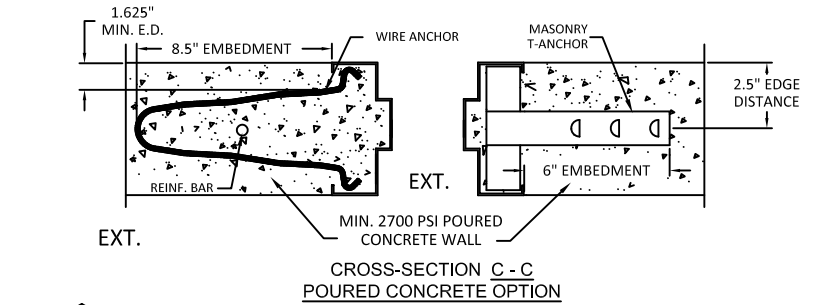
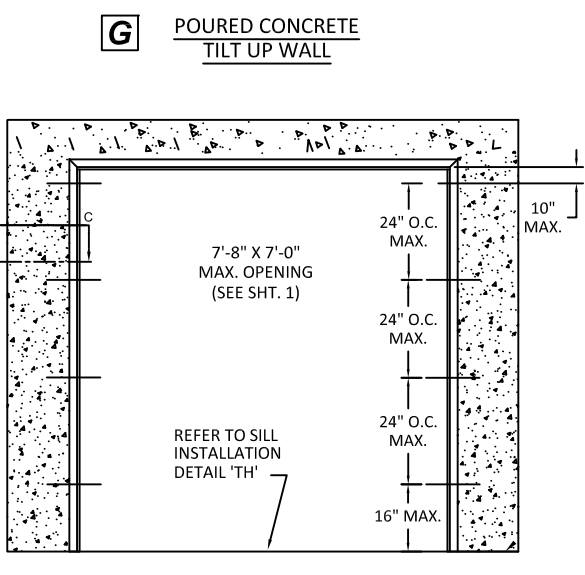
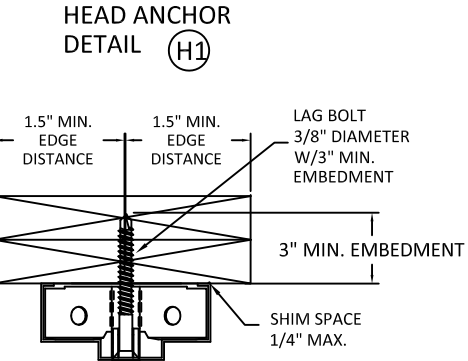
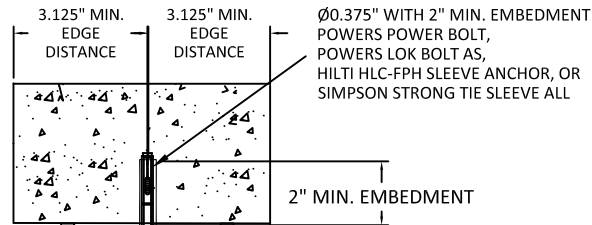
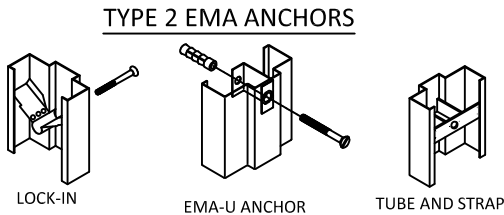
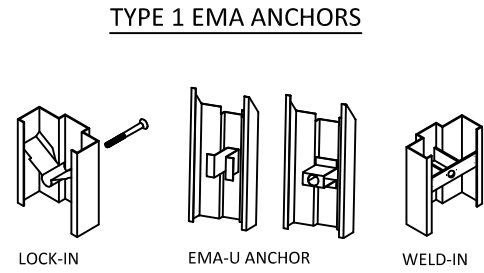
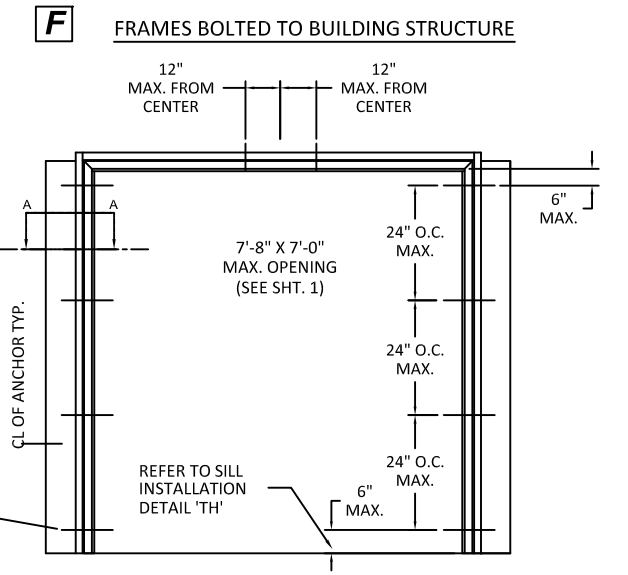
SEE SHEET 3 FOR HEAD
INSTALLATION DETAILS, H1,
H2, AND H3



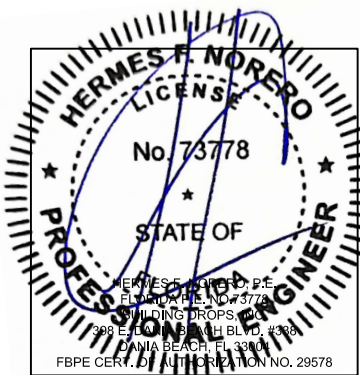
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES			
DRAWN JPD	DATE 08/21/13	ANCHOR DETAILS / INSTALLATION CONDITIONS FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING OF 70 PSF OR LESS			
CHECKED		SIZE	FLAT	DWG NO. F2334D	REV C
APPROVED		SCALE:	NTS	AUTOCAD	FL-16740
ENG. APPVL				SHEET 4 OF	12



NOTES:
1. STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. BOTH JAMBS MUST HAVE EQUAL NUMBER OF ANCHORS.
4. HEAD ANCHORS TO SUIT SUBSTRATE, TYPE MAY VARY FROM JAMB ANCHOR.
5. JAMB INSTALLATION SHOWN FOR STRUCTURAL STEEL OPTION. MAY ALSO BE INSTALLED IN HEAD AS SHOWN IN JAMB.
6. APPLY CAULK AS NEEDED
7. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL JAMB ANCHOR OPTIONS.



TYPE 2 -REPUBLIC THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL
*NOTE: THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG= 0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND MINIMUM 3/4" EDGE DISTANCE.

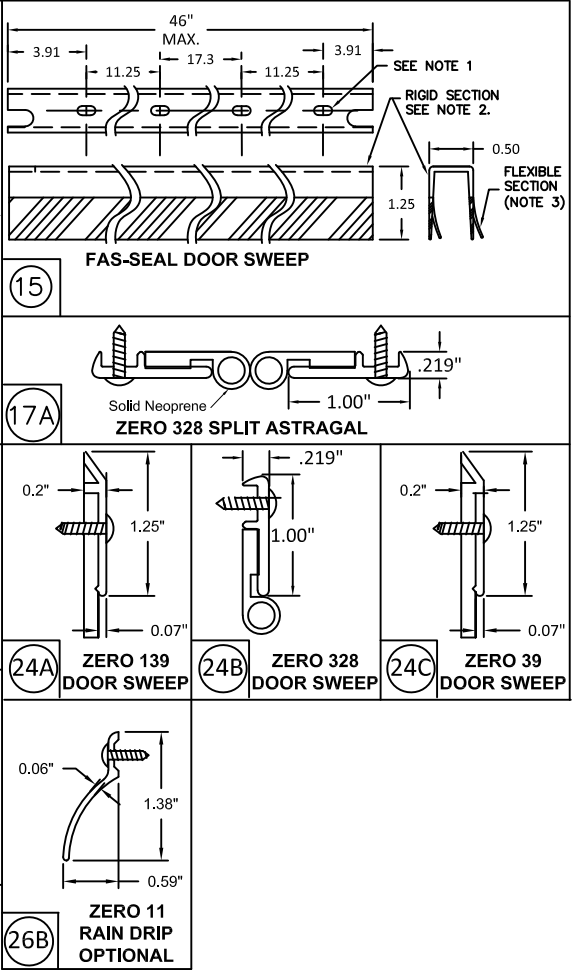
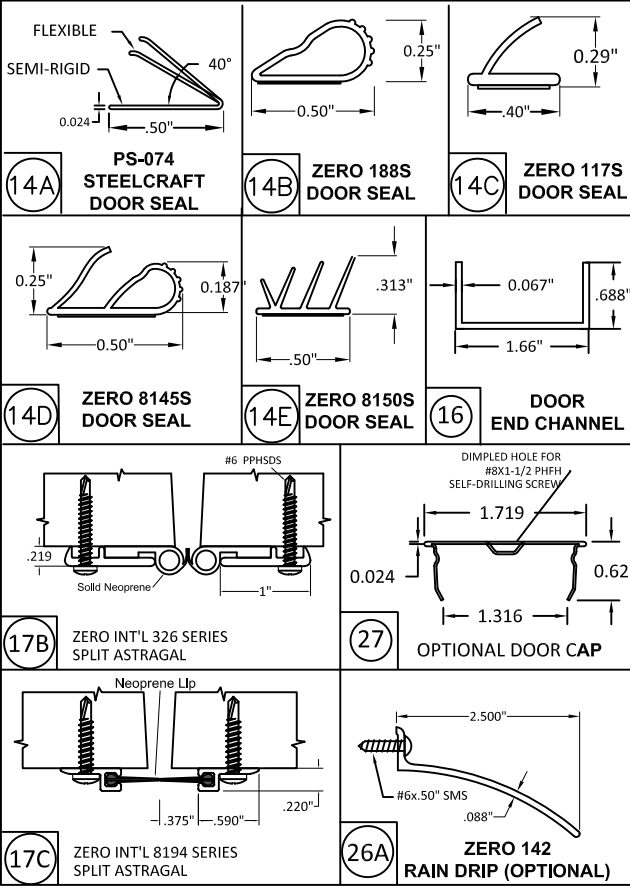
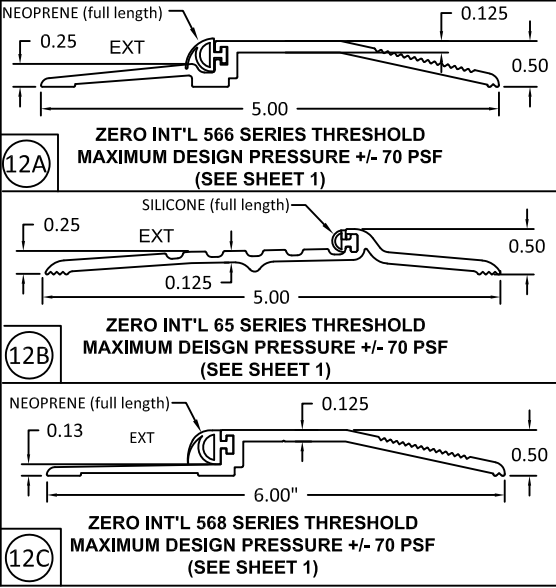


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES			
DRAWN JPD	DATE 08/21/13	ANCHOR DETAILS / INSTALLATION CONDITIONS FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING OF 70 PSF OR LESS			
CHECKED		SIZE	FLAT	DWG NO. F2334D	REV C
APPROVED		SCALE:	NTS	AUTOCAD	FL-16740
ENG. APPVL				SHEET 5 OF 12	

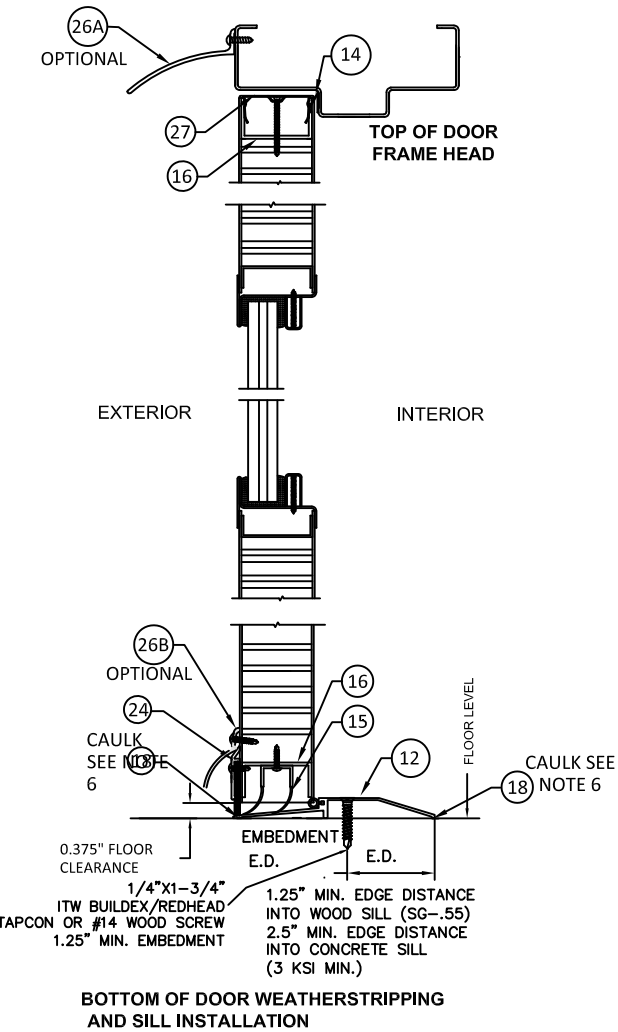
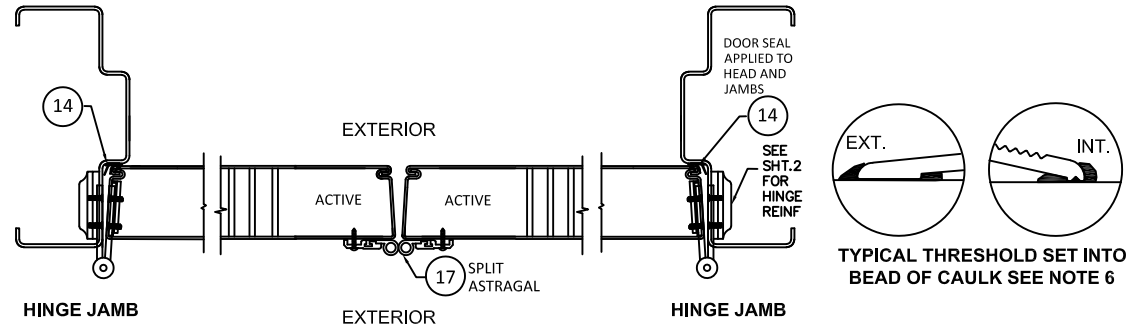
TABLE 3 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12	12A 566 THRESHOLD	ZERO INT'L
	12B 65 THRESHOLD	ZERO INT'L
	12C 568 THRESHOLD	ZERO INT'L
14	14A PS074 DOOR SEAL	STEELCRAFT
	14B 188S DOOR SEAL	ZERO INT'L
	14C 117S DOOR SEAL	ZERO INT'L
	14D 8145S DOOR SEAL	ZERO INT'L
	14E 8150S DOOR SEAL	ZERO INT'L
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
17A	328 SPLIT ASTRAGAL	ZERO INT'L
17B	326 SPLIT ASTRAGAL	ZERO INT'L
17C	8194 SPLIT ASTRAGAL	ZERO INT'L
24A	139 DOOR SWEEP	ZERO INT'L
24B	328 DOOR SWEEP	ZERO INT'L
25C	39 DOOR SWEEP	ZERO INT'L
26A	142 RAIN DRIP	ZERO INT'L
26B	11 RAIN DRIP	ZERO INT'L

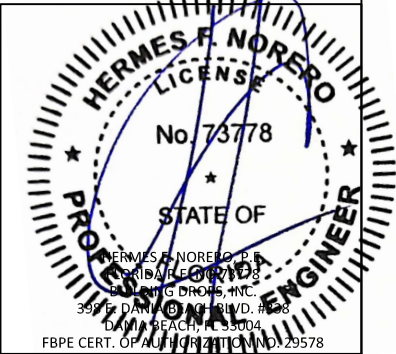
ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED
MAXIMUM DESIGN PRESSURE RATING 70 PSF -
MAXIMUM DOOR SIZE 3'-10" X 7'-0" (SEE ELEVATIONS SHEET 1)



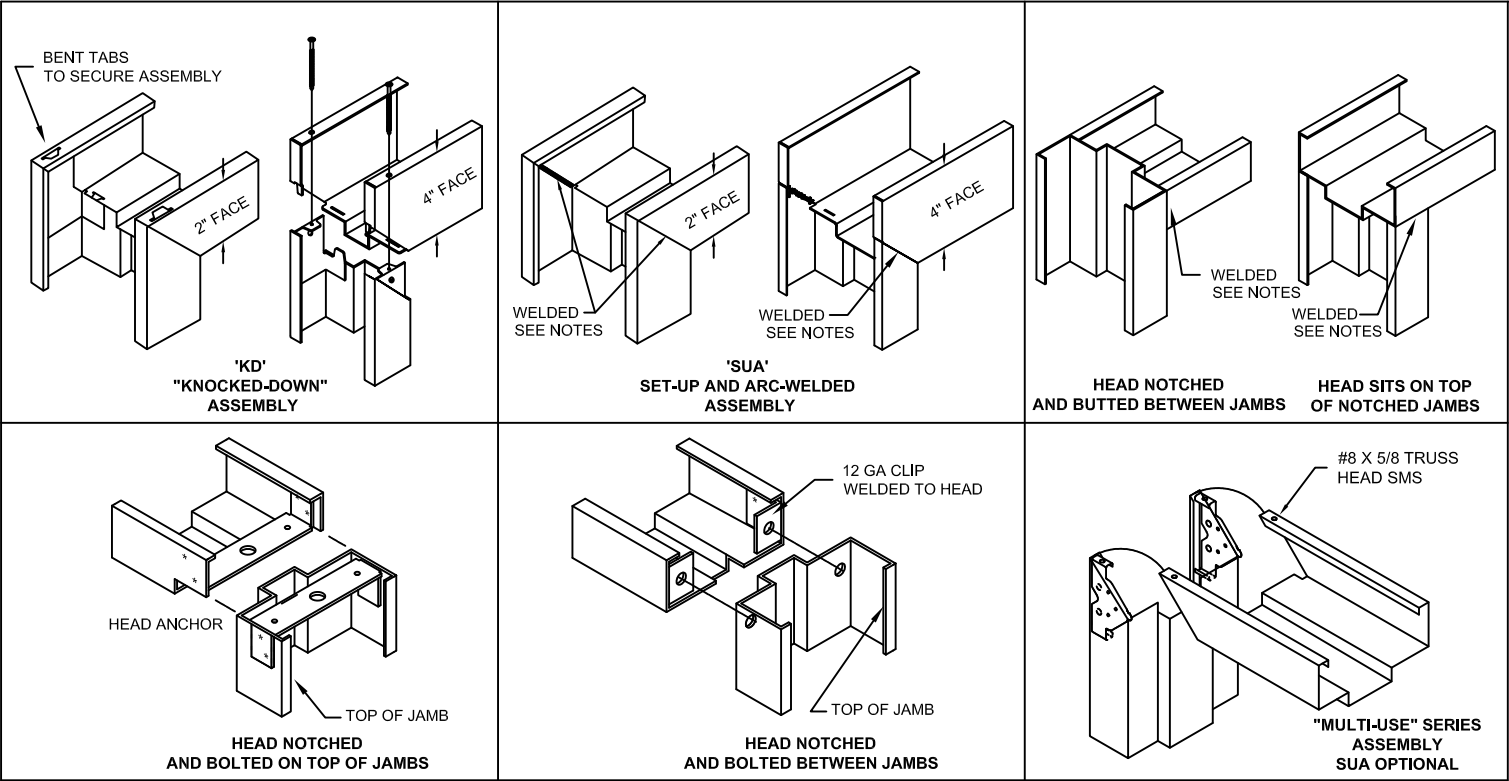
FOR CONFIGURATION: 1 (SEE ELEVATIONS SHEET 1)



- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 12C, 12D) AS APPLICABLE.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH CAULK
 6. INSTALL THRESHOLD INTO BEAD OF CAULK FULL LENGTH OF SILL
 7. REPUBLIC INSTALLATIONS REQUIRE DOOR SEAL (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 12C, 12D) AS APPLICABLE.
 8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE



BEND RADIUS		ALLEGION-sCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: DOUBLE GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	DOUBLE GLAZED DOOR PERIMETER SEAL ZERO INT'L HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED			
CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED				F2334D	C
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD	SHEET
				FL-16740	6 of 12



WELDING NOTES:
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX

AVAILABLE DOOR PANEL CONFIGURATIONS

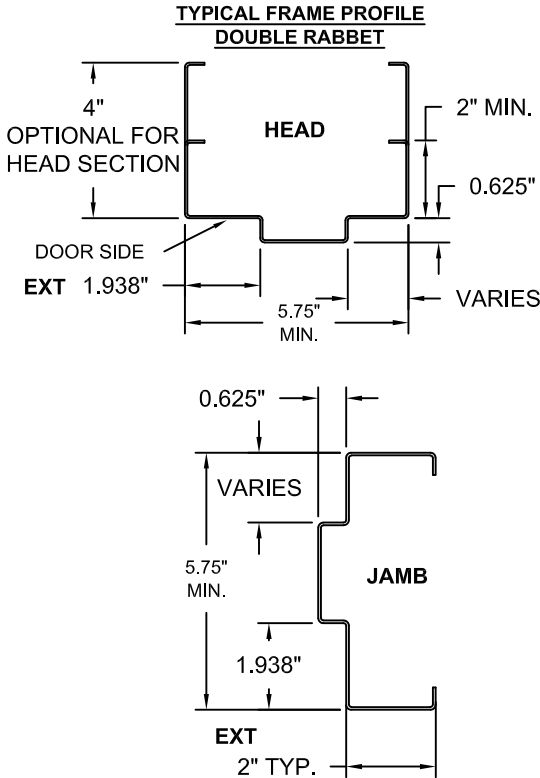
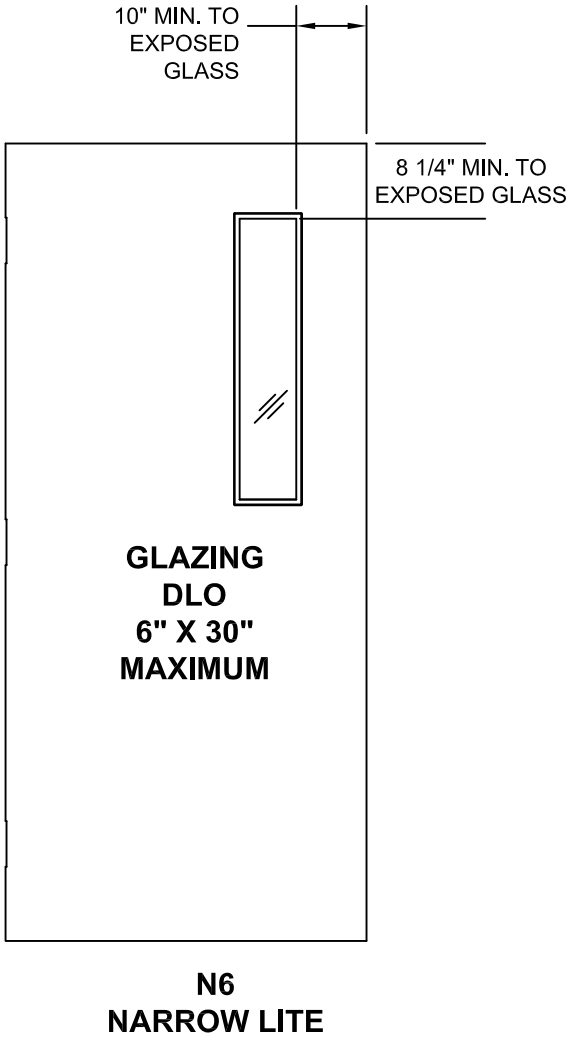


TABLE 4. AVAILABLE STEELCRAFT H-SERIES DOOR CONFIGURATIONS

STEELCRAFT H-SERIES DOOR CORE MATERIAL PER SHT.7	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	7'-8"	7'-0"	CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	7'-8"	7'-0"	STAINLESS STEEL	16/.053"

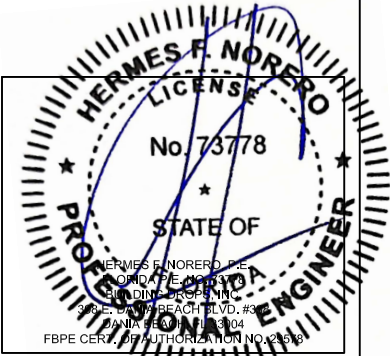
TABLE 5. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	7'-8"	7'-0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" MIN.	7'-8"	7'-0"	CRS/HRS GALV	16/.053" 14/.067"

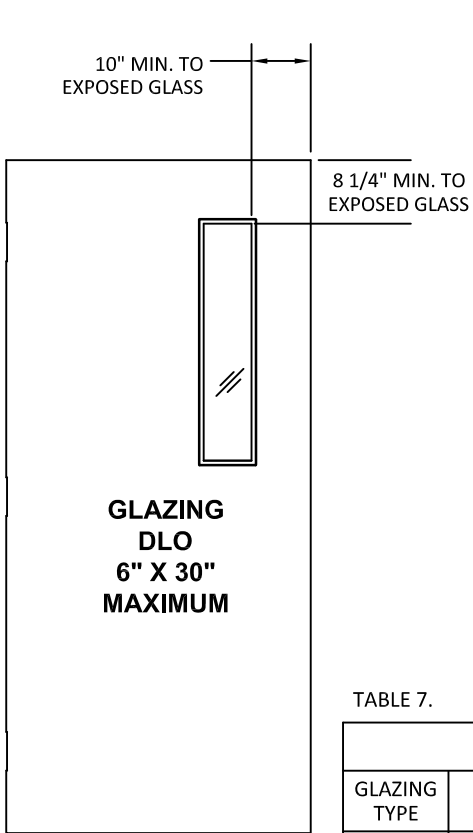
TABLE 6 STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A366	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A653/A924	MIN. 42.6	MIN. 73.2
SS:304,316	A240		

- NOTES:
- DOOR CONSTRUCTION
 - NOMINAL DOOR THICKNESS - 1 3/4"
 - MAXIMUM DOOR SIZE IS 7'-8' X 7'-0" FOR DOUBLE OPENING
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 6.
 - FRAME CONSTRUCTION
 - NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - FRAMES AVAILABLE (SEE TABLE 5)
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 6.



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES			
THIRD ANGLE PROJECTION		STEELCRAFT DOORS AND FRAMES FRAME PROFILE, CORNER DEATILS, DOOR AND FRAME MATERIAL AND SIZE OPTIONS			
DRAWN YMF	DATE 05/20/07	SIZE FLAT			DWG NO. F2334D
CHECKED		SCALE: NTS			REV C
APPROVED		AUTOCAD			
ENG. APPVL JPD	10/12/07	FL-16740			
		SHEET 7 OF 12			



GLAZING
DLO
6" X 30"
MAXIMUM

N6
NARROW LITE

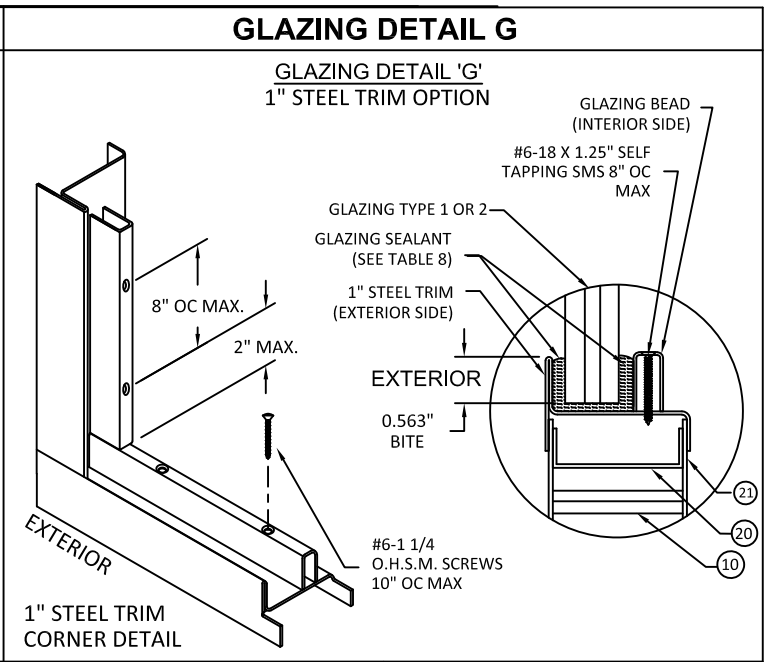
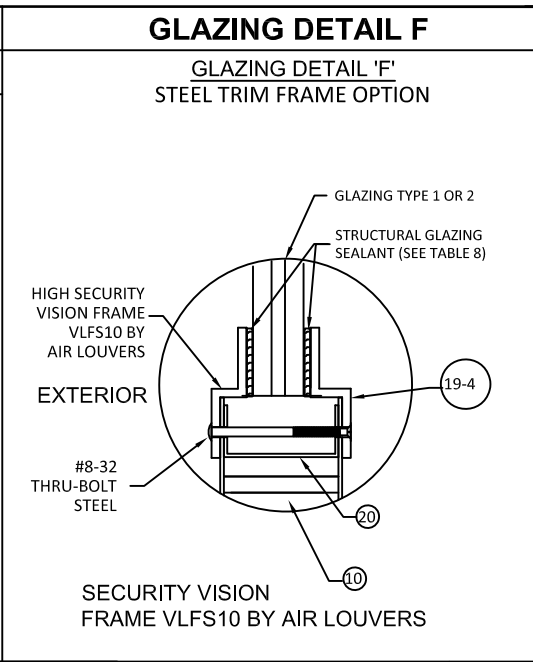
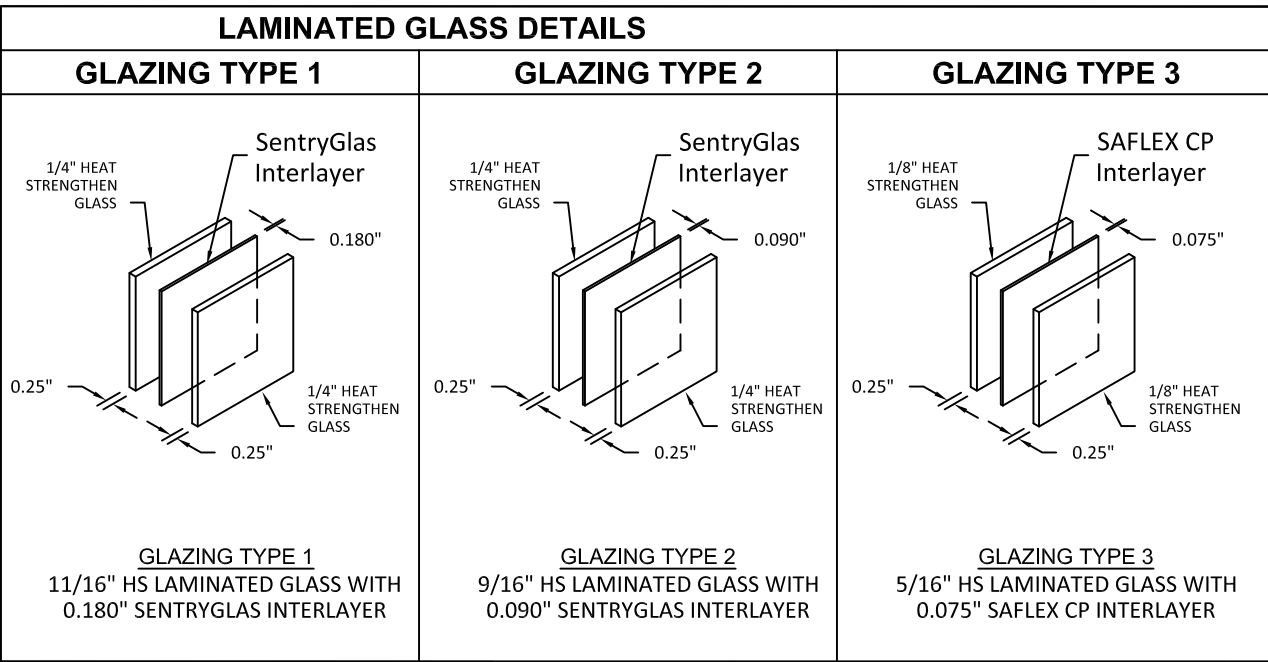
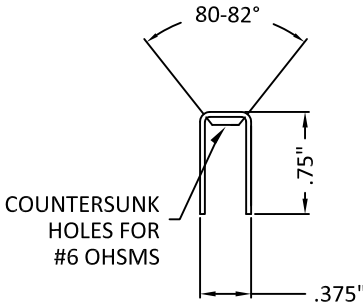
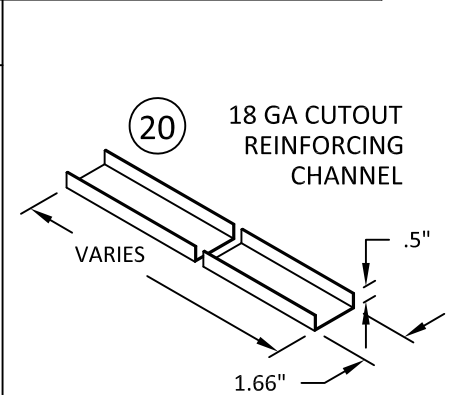
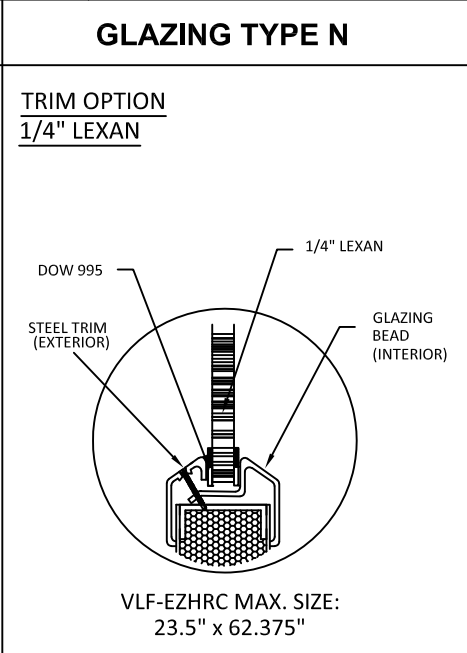
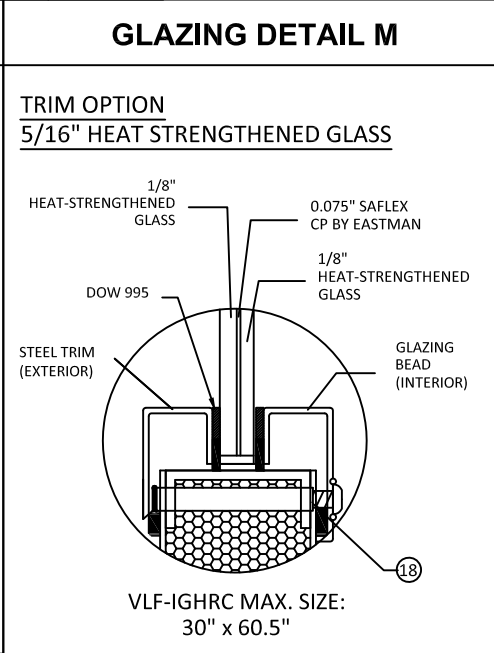
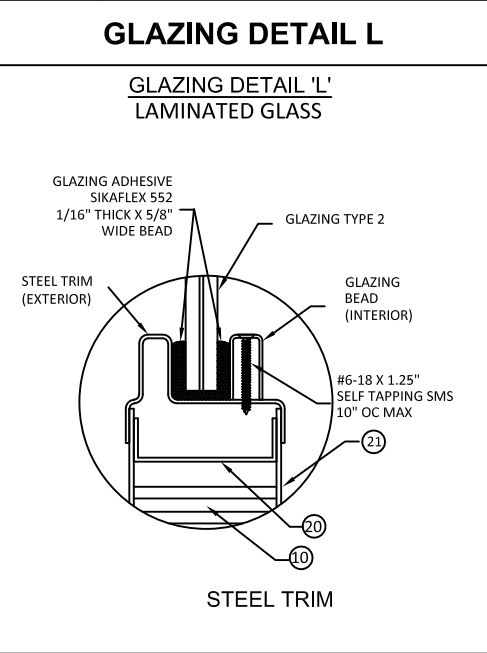
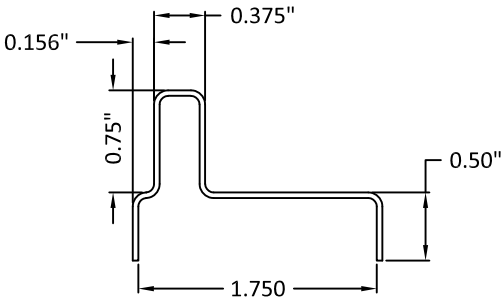


TABLE 7.

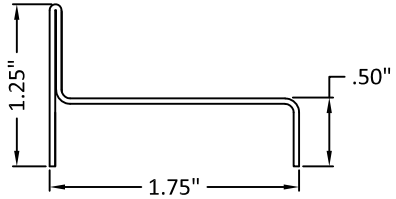
GLAZING TYPES AND METHODS			
GLAZING TYPE	GLAZING MATERIAL	TRIM TYPE	GLAZING SEALANT
1	11/16" HS LAMINATED GLASS WITH 0.180" SENTRYGLAS INTERLAYER	1" STEEL TRIM (GLAZING DETAIL 'G')	DOW 995
		SECURITY VISION FRAME VLFs10 (GLAZING DETAIL 'F')	
2	9/16" HS LAMINATED GLASS WITH 0.090" SENTRYGLAS INTERLAYER	1" STEEL TRIM (GLAZING DETAIL 'G')	DOW 995
		STEEL TRIM FRAME VLFs10 (GLAZING DETAIL 'F')	
		STEEL TRIM (GLAZING DETAIL 'L')	SIKAFLEX 552
3	5/16" HS LAMINATED GLASS WITH 0.075" SAFLEX CP INTERLAYER	VLF-IGHRC (GLAZING DETAIL 'M')	DOW 995
4	1/4" LEXAN POLYCARBONATE BY SABIC	VLF-EZHRC (GLAZING DETAIL 'N')	DOW 995



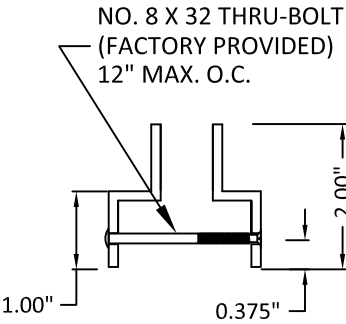
GLAZING BEAD FOR
STEEL OVERLAPPING
TRIMS
20 GAGE A40 STL



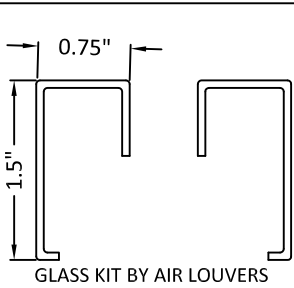
STEEL TRIM
MATERIAL: 20GA A40 STEEL



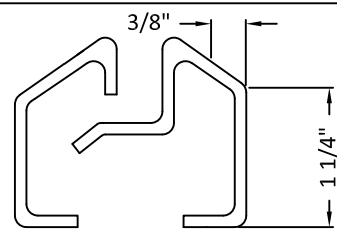
1" STEEL TRIM
MATERIAL: 20 GAGE A40 STEEL



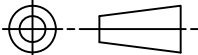
HIGH SECURITY
METAL VISION FRAME
MATERIAL: 12 GAGE
AIR LOUVERS VLFs10

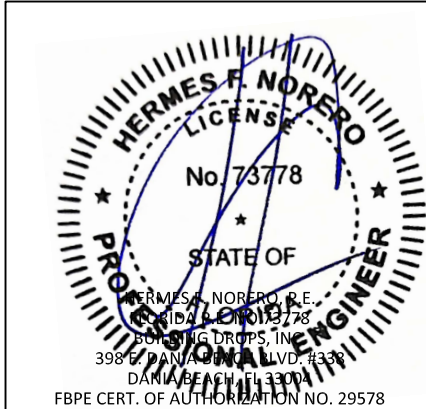


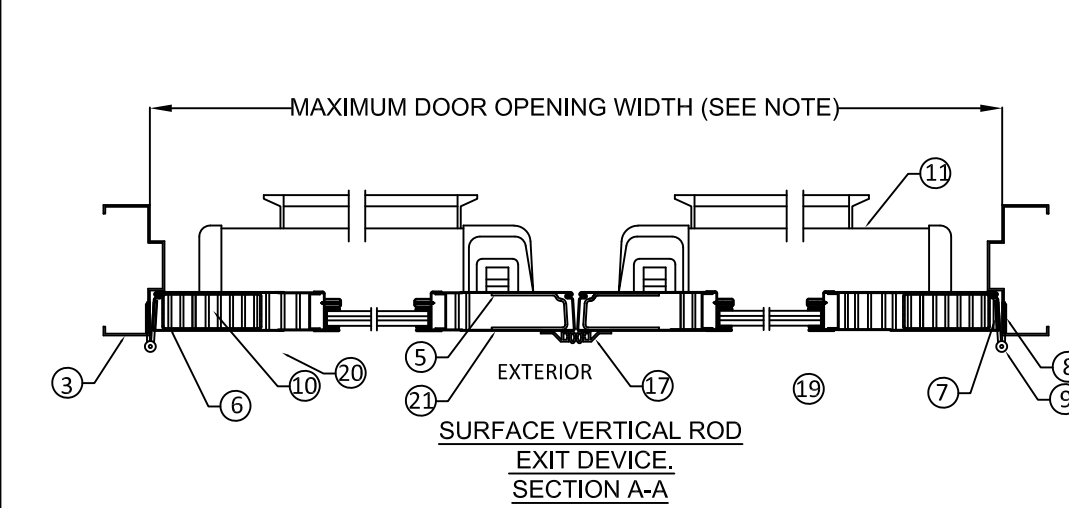
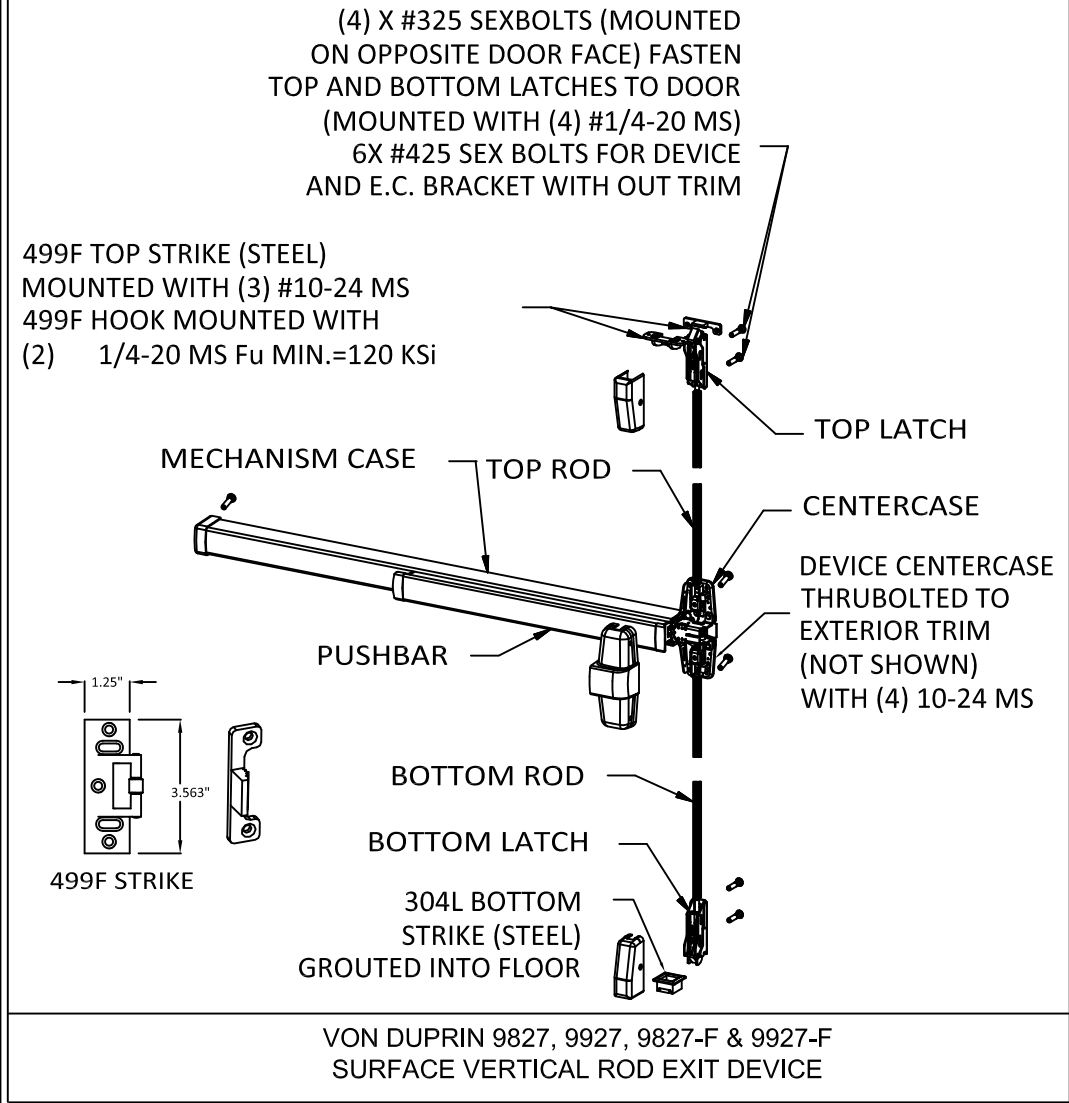
GLASS KIT BY AIR LOUVERS



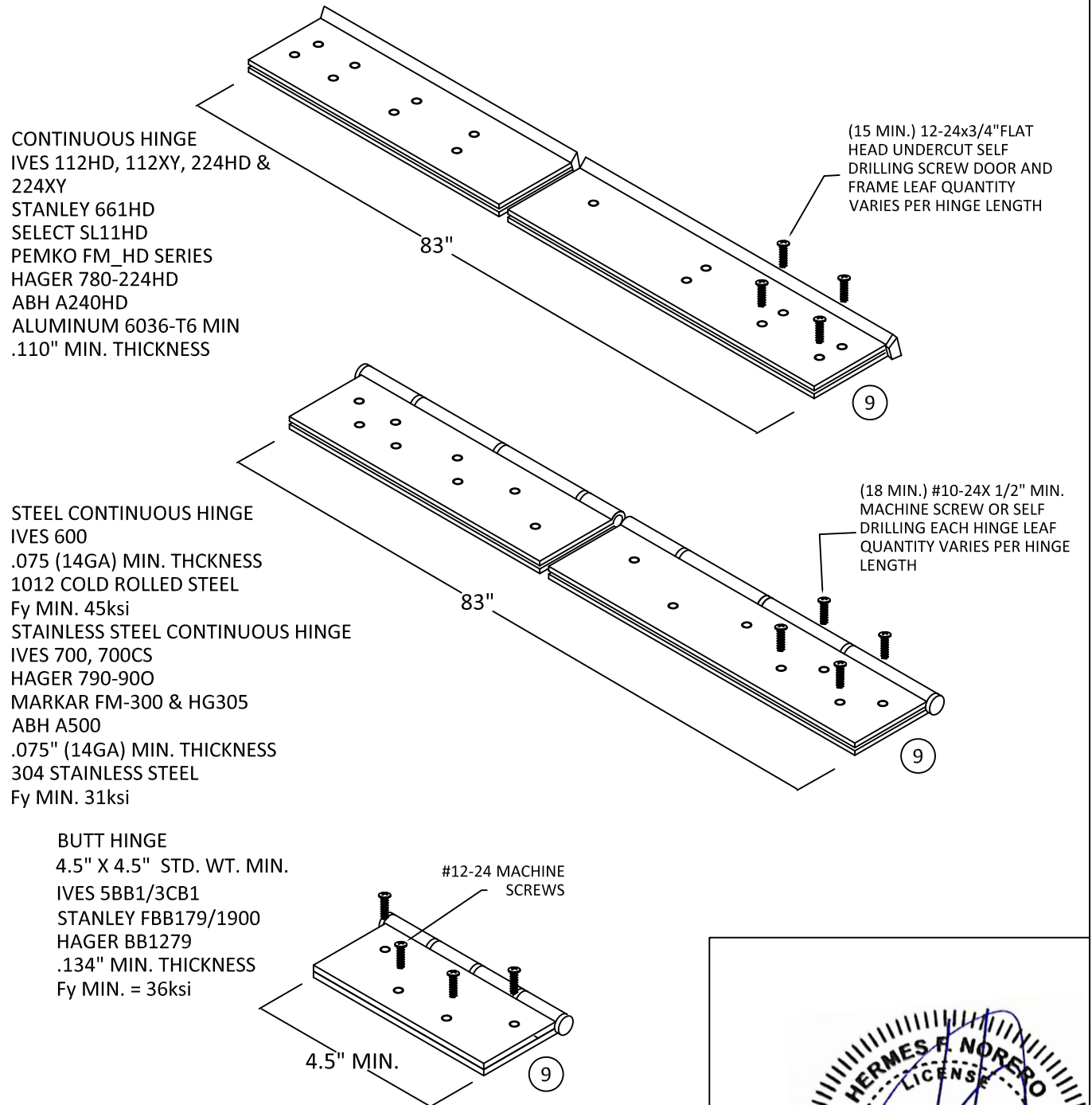
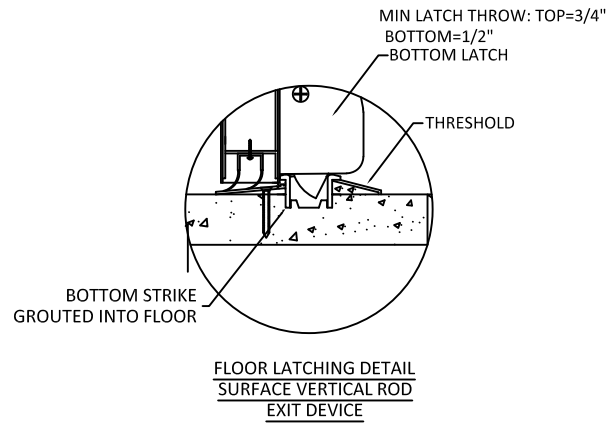
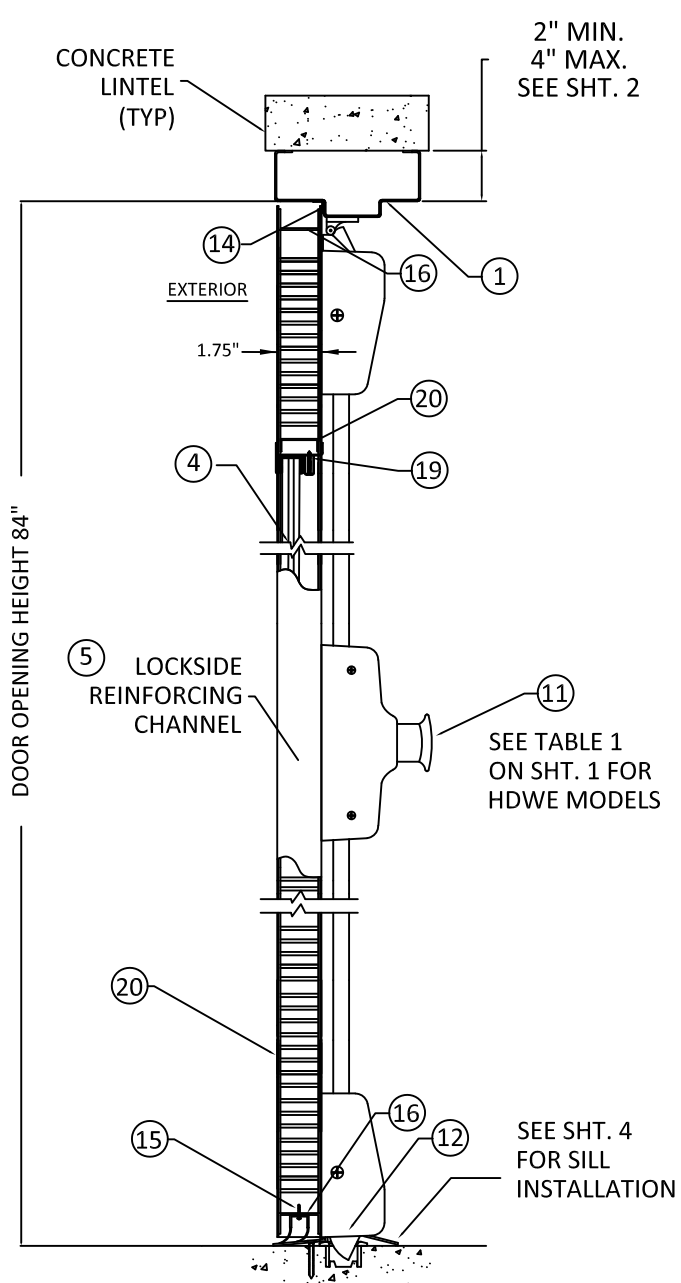
GLASS KIT BY AIR LOUVERS

BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032								
 THIRD ANGLE PROJECTION										
DRAWN YMF		DATE 05/20/07		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOOR WITH PANIC EXIT DEVICES GLASS TRIM OPTIONS.						
CHECKED										
APPROVED				SIZE	FLAT		DWG NO. F2334D		REV C	
ENG. APPVL JPD		11/15/07		SCALE: NTS		AUTOCAD		FL-16740		SHEET 8 of 12

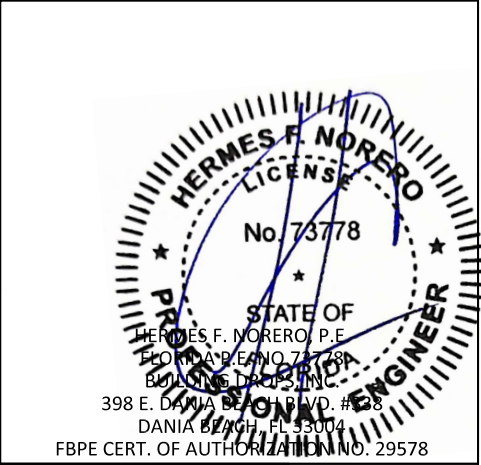


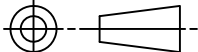


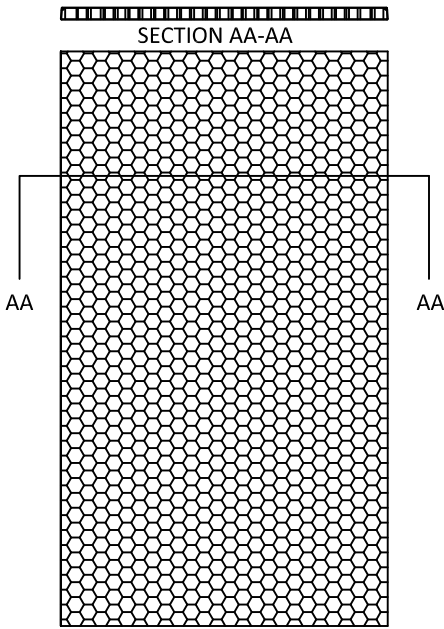
NOTES:
1. ELECTRICAL OPTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.
2. EXIT HARDWARE OPTIONS:
FOR 98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN;
TRIM: ALL APPLICABLE TRIMS AVAILABLE.



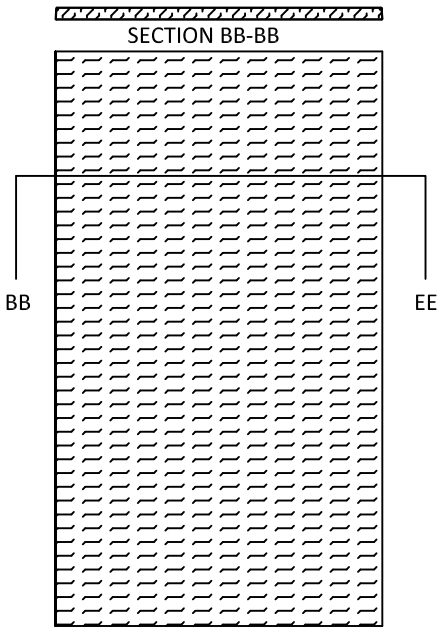
CONTINUOUDS HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS



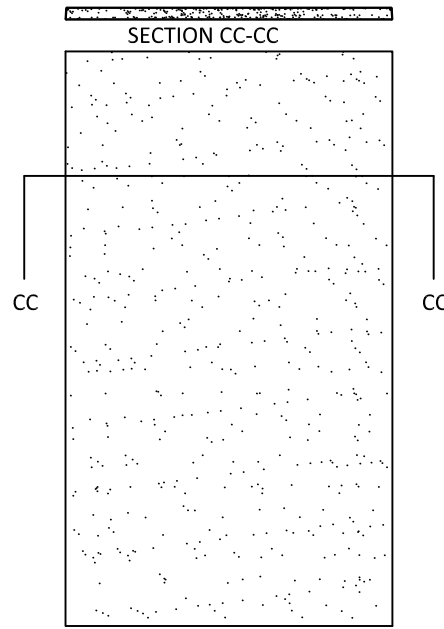
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032					
							
THIRD ANGLE PROJECTION		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES					
DRAWN	DATE	EXIT HARDWARE AND HINGES FOR GLASS DOUBLE DOORS.					
YMF	05/20/07						
CHECKED	CDATE						
APPROVED	ADATE	SIZE	FLAT	DWG NO.		F2334D	REV
							C
ENG. APPVL	EDATE	SCALE:	NTS	AUTOCAD	FL-16740	SHEET	9 OF 12
JPD	11/15/07						



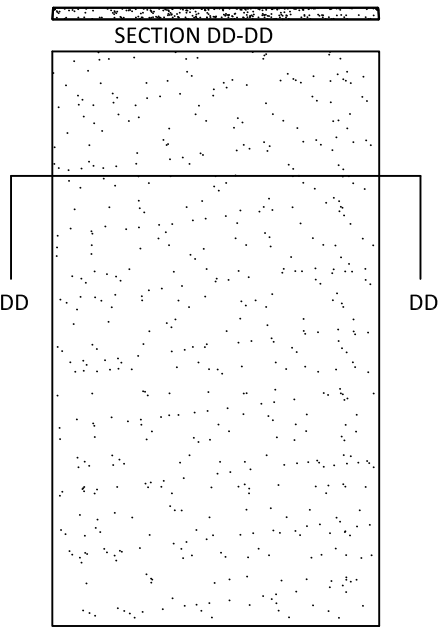
(A) HONEYCOMB KRAFT PAPER.



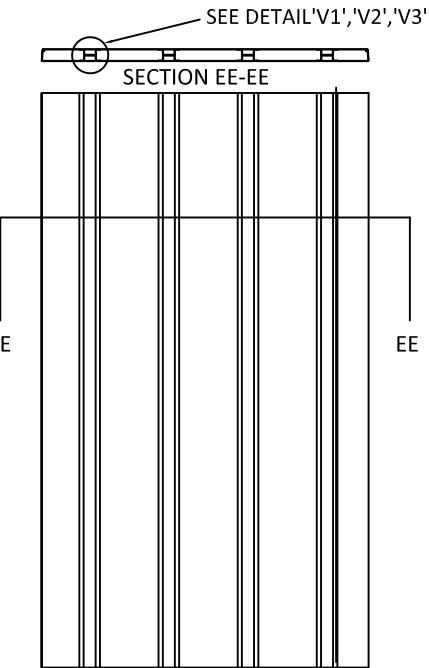
(B) TEMPERATURE RISE CORE MINERAL FIBER BOARD
DENSITY:17±1.5 LBS/FT³
OR
PSL P250C-60 CORE
OR
CALCIUM SILICATE MINERAL CORE



(C) EXPANDED POLYSTYRENE FOAM
DENSITY:1.0 LB/FT³

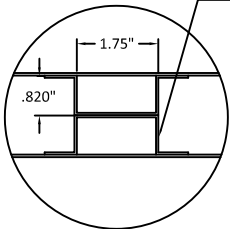


(D) POLYISOCYANURATE (POLYURETHANE)
DENSITY:2 LBS/FT³



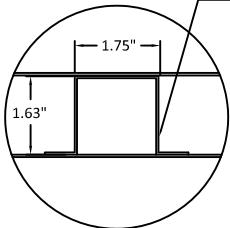
(E) STEEL STIFFENED HAT SHAPED SECTIONS

DETAIL 'V1'
22GA. HAT SHAPED STIFFENERS SPOTWELDED 6" O.C. TO INSIDE OF FACE SHEETS AND WELDED TOGETHER AT TOP AND BOTTOM



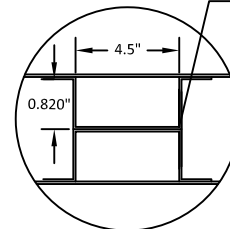
SECTION CC-CC

DETAIL 'V 2'
20GA. HAT SHAPED STIFFENERS SPOTWELDED 6" O.C. TO INSIDE OF ONE FACE SHEET AND BONDED TO THE OTHER FACE SHEET



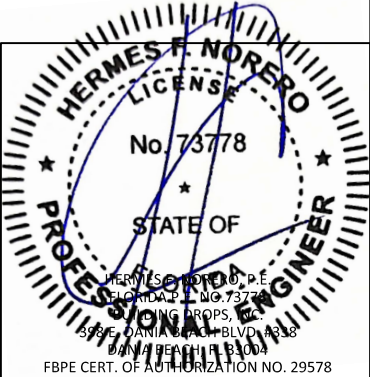
SECTION CC-CC

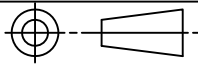
DETAIL 'V3'
20GA. HAT SHAPED STIFFENERS SPOTWELDED 6" O.C. TO INSIDE OF FACE SHEETS AND WELDED TOGETHER AT TOP AND BOTTOM



SECTION CC-CC

NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032					
		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES					
DRAWN	DATE	DOOR CORE OPTIONS					
JPD	02/03/14						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO. F2334D			REV C
ENG. APPVL		SCALE:	NTS	AUTOCAD	FL-16740	SHEET 10 of 12	

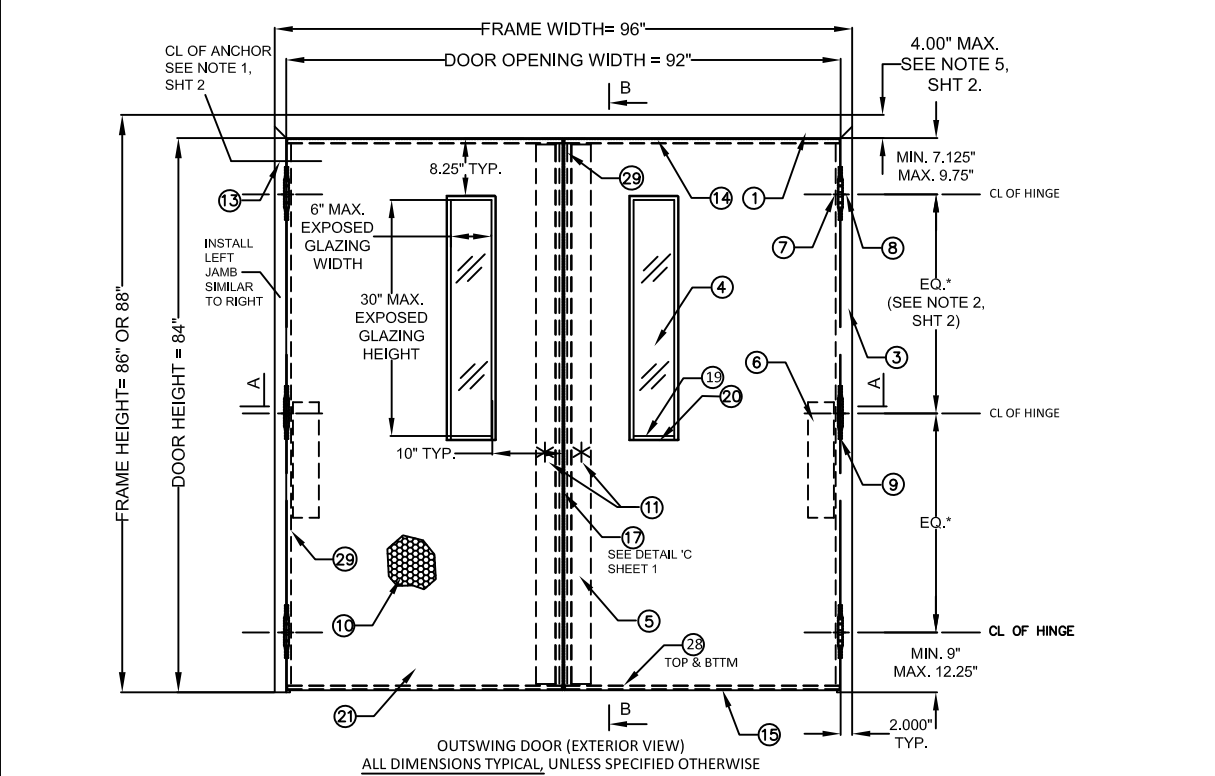
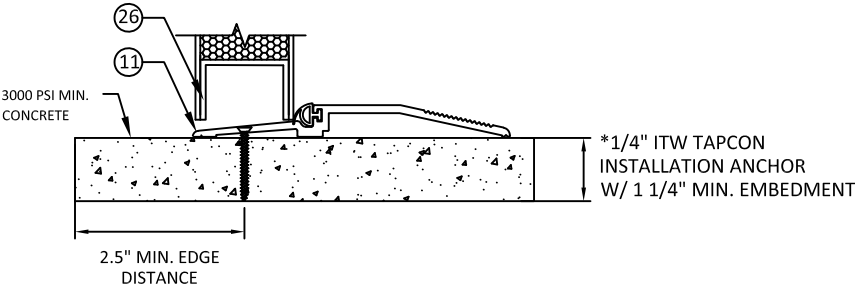
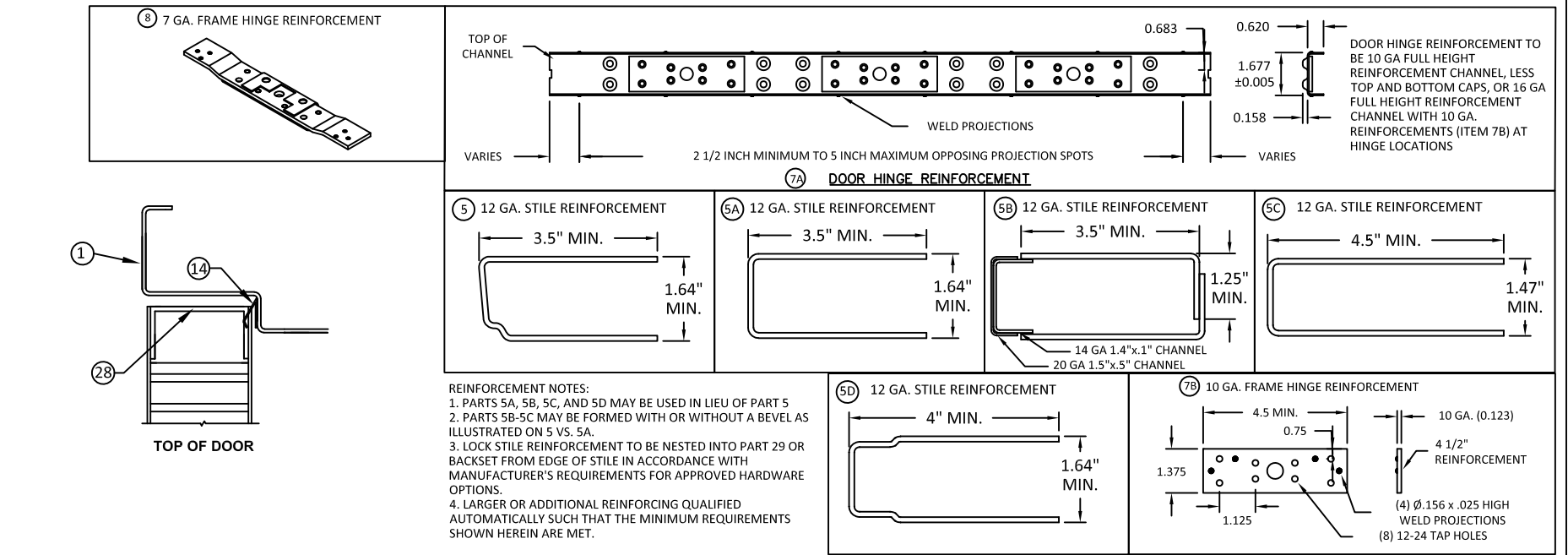
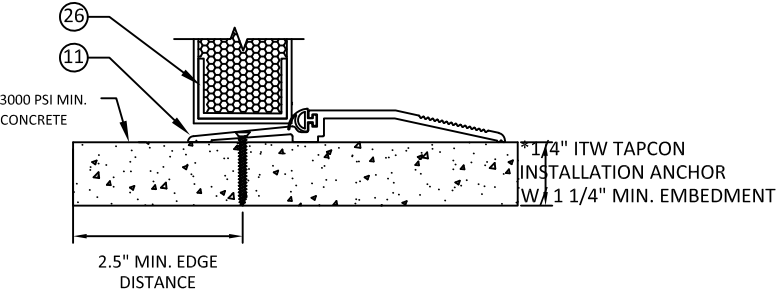


TABLE 8 (SEE TABLE 2, SHEET 2 FOR OPTION 1 CONFIGURATION)

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	SEE ELEVATION ON SHT. 1
1	1	HEAD SEE SHT 7	.053" MIN. STL	MAX. 96"	
2	1				
3	2	HINGE JAMB SEE SHT 7	.053" MIN. STL	MAX. 88" HEIGHT	
4	2	LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	.562" MIN - 0.68" MAX.	6" X 30" DLO	
5	2	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5" MIN X 83.5" MAX	
6	2	HINGE SIDE PANIC REINFORCEMENT DOOR	.067" MIN. STL	MAX. 20"	
7	1	HINGE REINFORCEMENT DOOR	.167" MIN. STL.	1.23" X 9.19" MIN.	
7A	1	HINGE REINFORCEMENT DOOR	.053" MIN. STL.	1.677" X FULL LENGTH-END CHNLS	
7B	1	HINGE REINFORCEMENT DOOR	.123" MIN. STL.	1.375" X 4.5" MIN.	
8	NOTE 2.	HINGE REINFORCEMENT FRAME	.167" MIN. STL.	1.5" X 9.19" MIN.	
9	NOTE 2.	4.5" X 4.5" BUTT HINGES OR 5" X 5" BUTT HINGES	.134 MIN.	(8) #12-24 MS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 9)	.075" MIN. STL/ .12 ALUM	MAX. 84"	
10	2	CORE MATERIAL	A) HONEYCOMB B) MINERAL BOARD TEMPERATURE RISE CORE C) POLYSTYRENE D) POLYURETHANE/POLYISOCYANURATE E) STEEL STIFFENED		
11	2	LOCKING HARDWARE - SEE SHEET 1 TABLE 1.			
		THRESHOLD SILL W/BUMPER GASKET (SEE SHEET 6)			
12	1	12A) 566 BY ZERO SHT 6 12B) 65 BY ZERO SEE SHEET 6 12C) 568 BY ZERO SEE SHEET 6	.125" ALUM. 6063 T5 .125" ALUM. 6063 T5 .125" ALUM. 6063 T5	5.0"X0.5"X94" MAX. 6.0"X0.5"X94" MAX.	
13	NOTE 1.	JAMB ANCHOR	SEE SHEETS 3, 4, & 5		
14	SEE SHT 6	14A) PSO74 DOOR SEAL 14B)188S, 14C)117S, 14D)8145S, 14E)8150S DOOR SEAL ZERO	TPE SILICONE	VARIES	
15	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 46"	
16	4	END CHANNEL ASTM A924 (16 GA - INVERTED)	.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.	
17	1	17A) 328 SPLIT ASTRAGAL BY ZERO INT'L 17B) 326 SPLIT ASTRAGAL BY ZERO INT'L 17C) 8194 SPLIT ASTRAGAL BY ZERO INT'L	SEE SHEET 6		
18	AS NEEDED	CAULK BUTYL RUBBER OR LATEX/SILICONE	SEE SHEET 6		
19	AS NEEDED	GLAZING HOLDING TRIM SEE SHEET 8 G) 1" STEEL OVERLAPPING TRIM F) HIGH SECURITY VISION FRAME VLF510 BY AIR LOUVERS L) STEEL OVERLAPPING TRIM	SEE SHEET 8 .035" MIN. STL. .093"(12GA) MIN. STL. .035" MIN. STL	6" X 30" EXPOSED GLASS (DLO)	
20	NOTE 10.	CUTOUT REINFORCEMENT CHANNEL (18 GA)	.047" MIN. STL	0.5" X 1.66" X 8" x 32" MAX.	
21	2	DOOR SLAB (16 OR 14 GA)	SEE SHEET 7	3' 10" X 7' MAX.	
22	VARIES	22A) 8150S DOOR SEAL BY ZERO INT'L SEE SHT 6 22B) 188S DOOR SEAL BY ZERO INT'L SEE SHT 6	SILICONE	VARIES	
23	2		TPE	MAX. 84"	
24	2	24A) 139 DOOR SWEEP BY ZERO INT'L SEE SHT 6 24B) 328 DOOR SWEEP BY ZERO INT'L SEE SHT 6 24C) 39 DOOR SWEEP BY ZERO INT'L SEE SHT 6	TPE	MAX. 46"	
25	2	25A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHEET 6	TPE	MAX. 84"	
26	1	26A) 142 RAIN DRIP BY ZERO INT'L	SEE SHT 6	MAX. 96"	
	2	26B) 11 RAIN DRIP BY ZERO INT'L	SEE SHT 6	MAX. 46"	
27	0	TOP CAP GALV. A60 ASTM A924	.020" MIN. STL	0.5" X 1.76" X 46" MAX.	
28	4	END CHANNEL (16 GAUGE-INVERTED OR FLUSH)	.053" MIN. STL.	.62" X 1.66" X 48" MAX	
29	4	EDGE CHANNEL (16 GAUGE MIN)	.053" MIN. STL.	.62" X 1.677"	
30	NOTE2,SHT2	HINGE REINFORCEMENT FRAME	.149" MIN. STL.	1.23" X 9.19" MIN.	

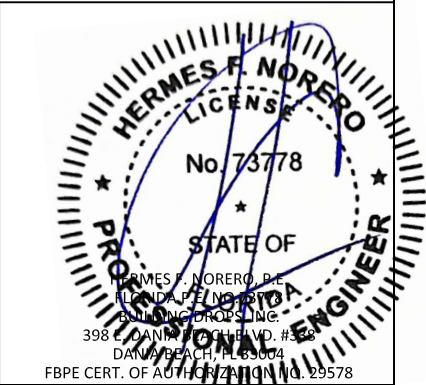
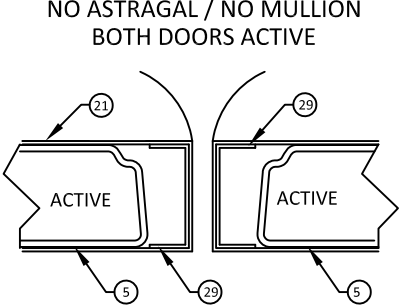
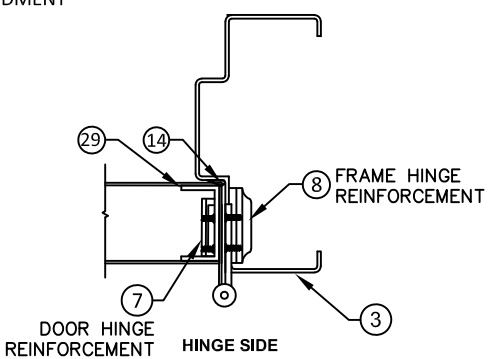


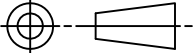
TYPE 2 REPUBLIC THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL

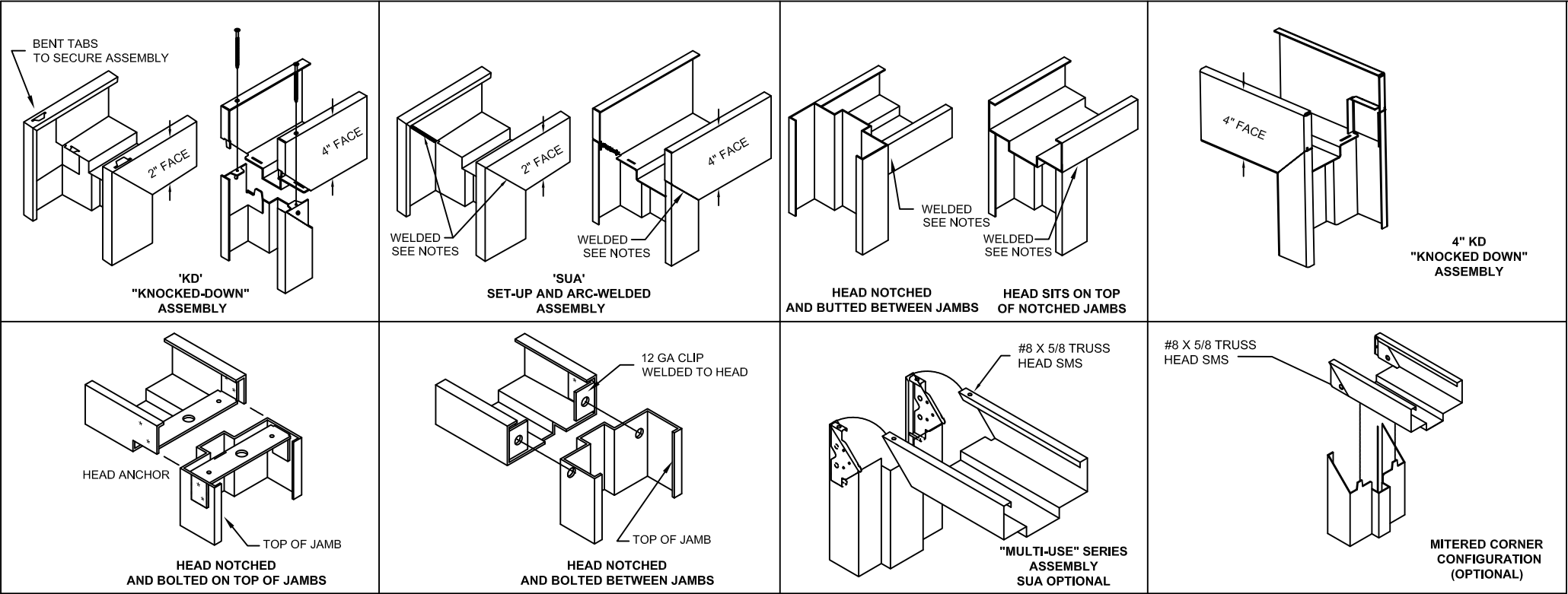


TYPE 2 -REPUBLIC THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

*SEE SHT 4 FOR ADDITIONAL THRESHOLD INSTALLATION DETAILS

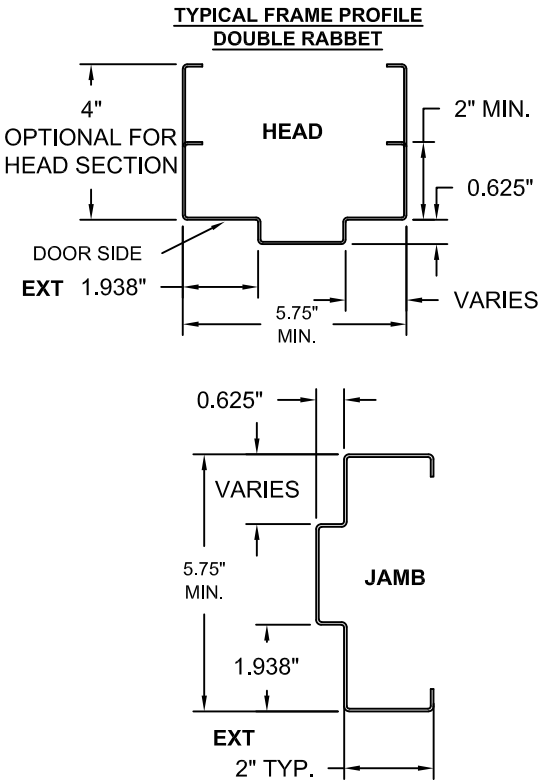
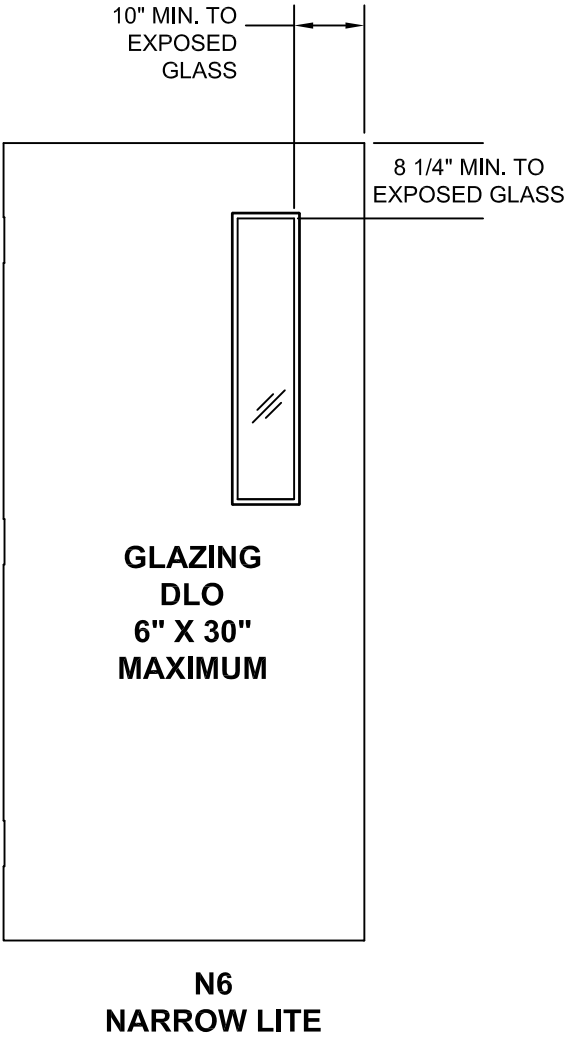


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
 THIRD ANGLE PROJECTION					
DRAWN YMF		DATE 05/20/07		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES REPUBLIC GLASS DOUBLE DOORS OUTSWING CONFIGURATIONS	
CHECKED					
APPROVED		SIZE		FLAT	
ENG. APPVL JPD		11/15/07		DWG NO. F2334D	
		SCALE: NTS		AUTOCAD	
		FL-16740		SHEET 11 OF 12	
				REV C	



WELDING NOTES:
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND SMOOTH & PRIME PAINT. WELD CLASSIFICATION - E70XX

AVAILABLE DOOR PANEL CONFIGURATIONS



- NOTES:
- DOOR CONSTRUCTION
 - NOMINAL DOOR THICKNESS - 1 3/4"
 - MAXIMUM DOOR SIZE IS 7'-8" X 7'-0" FOR DOUBLE OPENING
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 11.
 - FRAME CONSTRUCTION
 - NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - FRAMES AVAILABLE (SEE TABLE 10)
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 11.

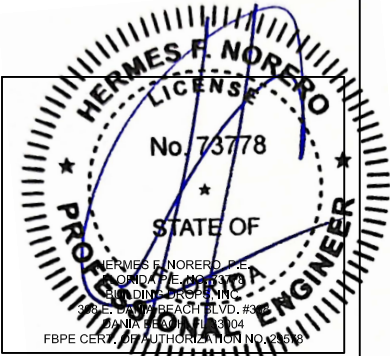


TABLE 9. AVAILABLE REPUBLIC DOOR CONFIGURATIONS

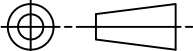
REPUBLIC DOOR SERIES	DOOR CORE MATERIAL PER SHT.7	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
DL	HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	7'-8"	7'-0"	CRS. GALV.	16/.053"
DE		7'-8"	7'-0"	CRS. GALV.	14/.067"

TABLE 10. AVAILABLE REPUBLIC FRAME CONFIGURATIONS

REPUBLIC FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
ME / SE	5.75" MIN.	7'-8"	7'-0"	CRS/HRS GALV	16/.053" 14/.067"
SE	5.75" MIN.	7'-8"	7'-0"	CRS/HRS GALV	12/.093"

TABLE 11. STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A1008	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A653/A924	MIN. 31.2	MIN. 73.2
SS:304,316	A240/A480		

BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
						
THIRD ANGLE PROJECTION		TITLE: DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH PANIC EXIT DEVICES				
DRAWN	DATE	REPUBLIC DOORS AND FRAMES FRAME PROFILE, CORNER DEATILS, DOOR AND FRAME MATERIAL AND SIZE OPTIONS				
YMF	05/20/07					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	F2334D	REV C
ENG. APPVL	10/12/07	SCALE:	NTS	AUTOCAD	FL-16740	SHEET 12 OF 12
JPD						