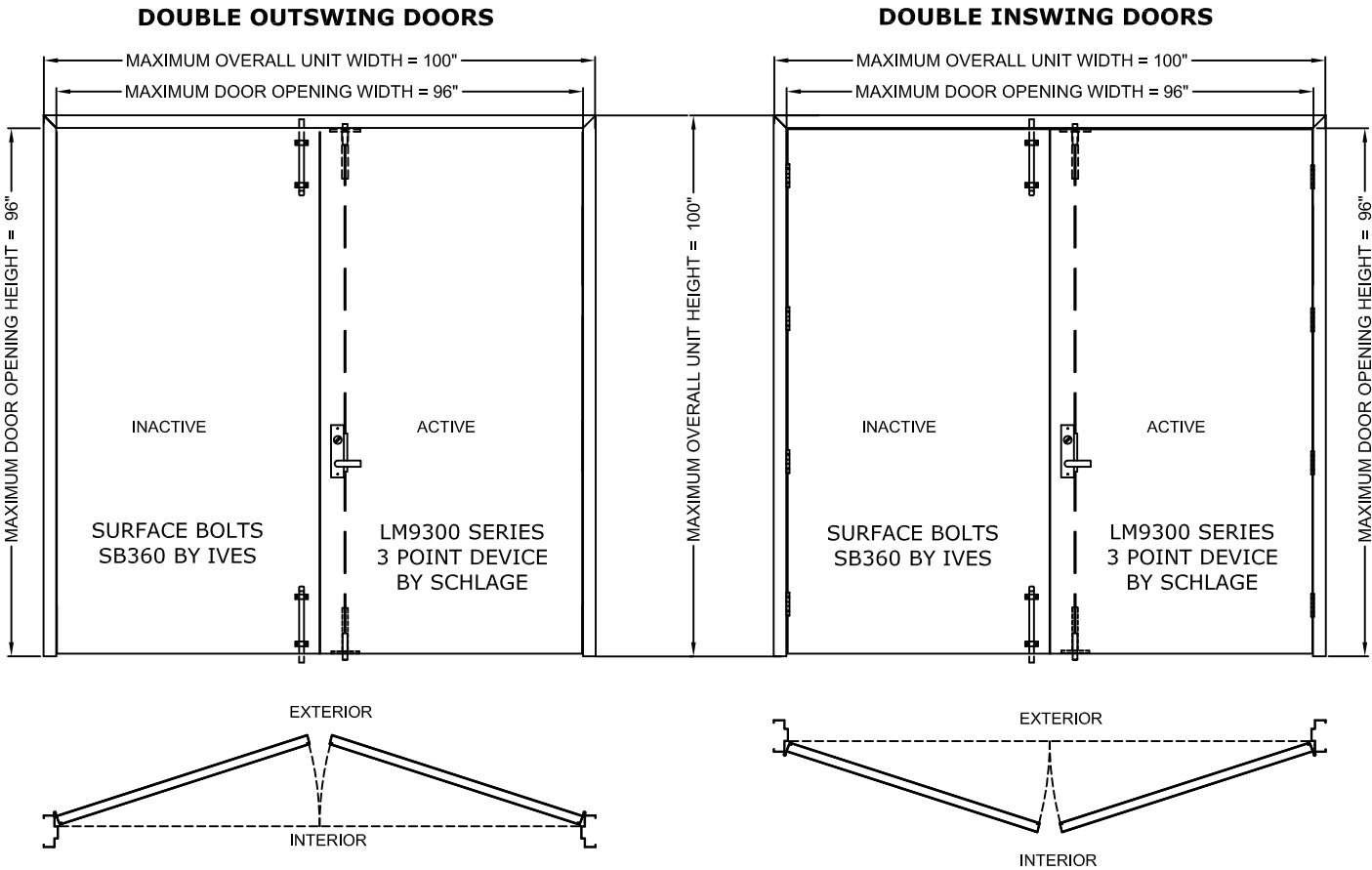


DESIGN PRESSURE RATING		
	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
	OUTSWING	INSWING
POSITIVE	+ 107 PSF	+ 107 PSF
NEGATIVE	- 107 PSF	- 107 PSF

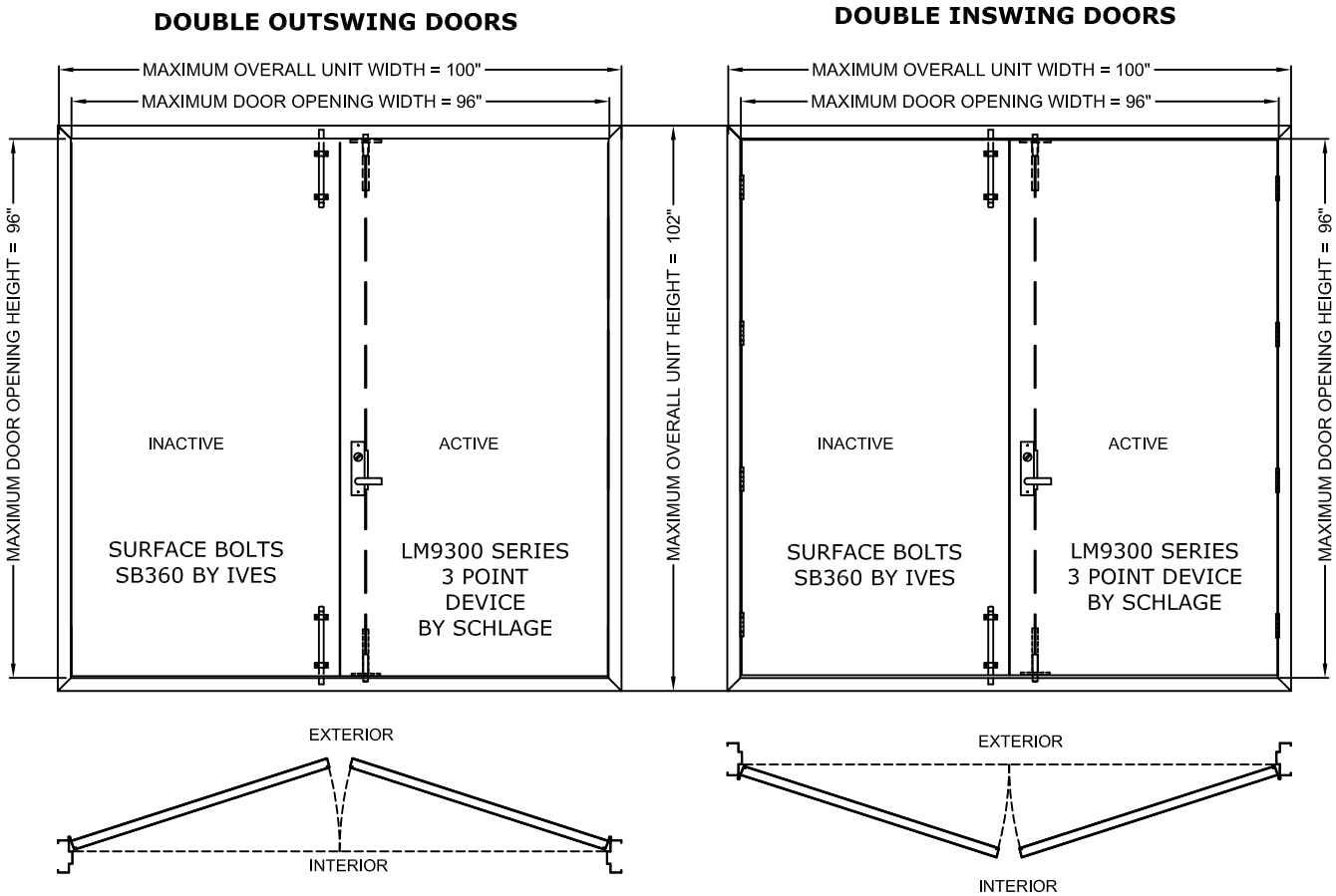
WATER INFILTRATION NOT APPROVED

LARGE MISSILE IMPACT RATING	
TEST STANDARD	IMPACT
FBC TAS 201/203	54.5 MPH (80 FPS)
ASTM E1886 AND ASTM E1996	LEVEL E 54.5 MPH (80 FPS)

3-SIDED FRAME CONSTRUCTION



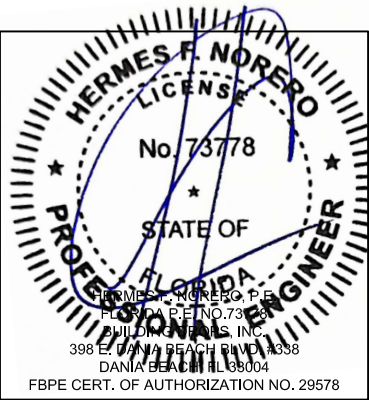
4-SIDED FRAME CONSTRUCTION

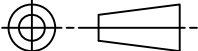


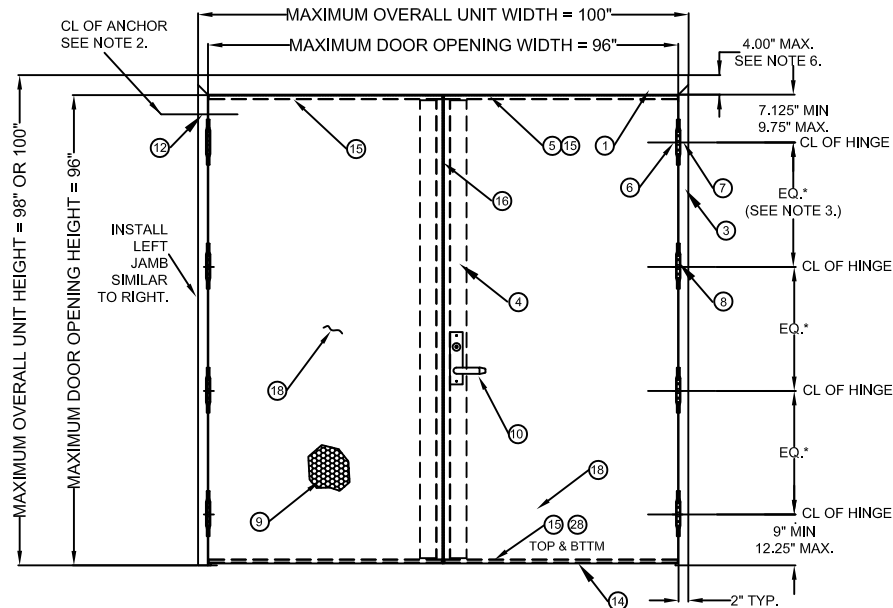
3-SIDED FRAME CONSTRUCTION

4-SIDED FRAME CONSTRUCTION

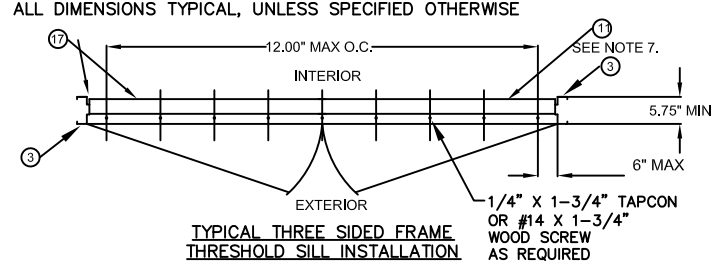
- GENERAL NOTES:
- 1. THIS DOOR SYSTEM HAS BEEN TESTED TO HVHZ PROTOCOLS TAS 201-94, TAS 202-94 & TAS 203-94, ASTM PROTOCOLS E1886-13A, E1996-14A & E330-14 AND COMPLIES WITH THE CURRENT FLORIDA BUILDING CODE EDITION
 - 2. THE DOORS ARE LARGE MISSILE IMPACTED - 80 FEET PER SECOND
 - 3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.
 - 4. ASSEMBLIES MEET FBC AIR INFILTRATION REQUIREMENTS.



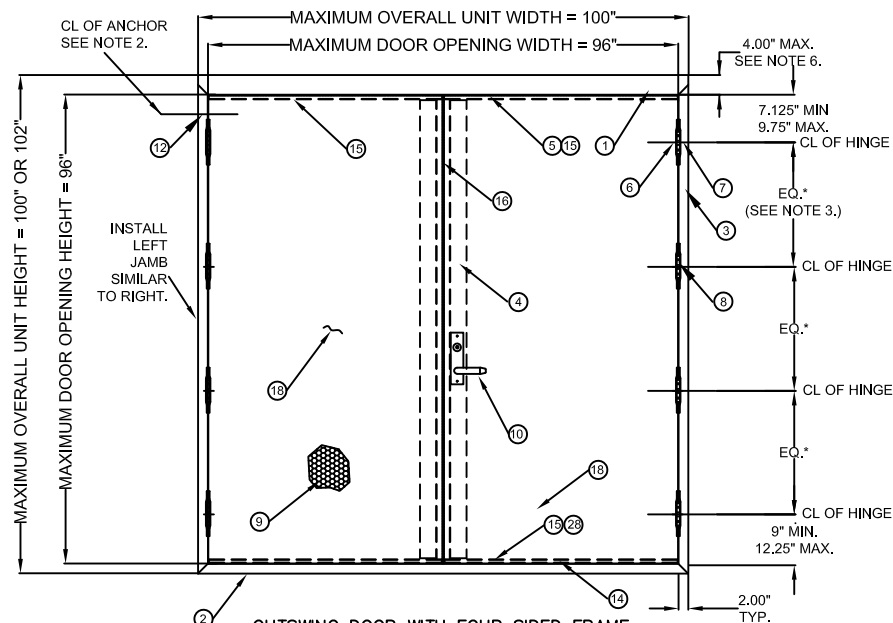
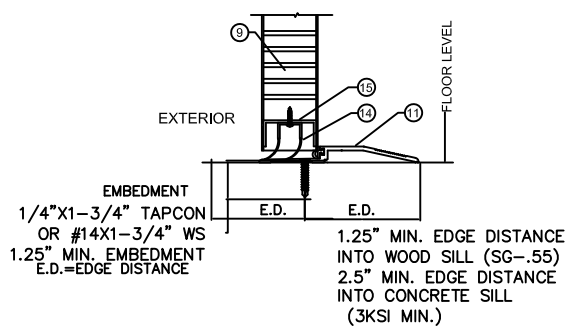
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY,LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
 THIRD ANGLE PROJECTION					
DRAWN	DATE	TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL COMMERCIAL STEEL DOORS AND SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING THREE AND FOUR SIDED FRAMES TESTED TO TAS 201,202,203 HVHZ & ASTM E1886, E1996 EHPA			
JPD	08/21/13				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				F9300DF	D
ENG. APPVL		SCALE:	NTS	AUTOCAD	FL16740
				SHEET	1 OF 16



OUTSWING DOOR WITH THREE SIDED FRAME
(EXTERIOR VIEW)
ALL DIMENSIONS TYPICAL, UNLESS SPECIFIED OTHERWISE



TYPICAL THREE SIDED FRAME
THRESHOLD SILL INSTALLATION

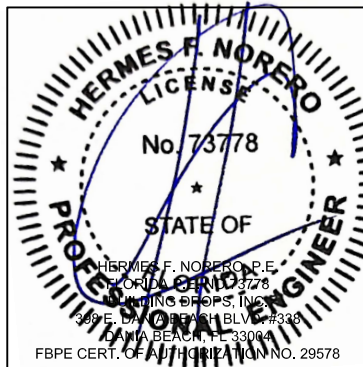


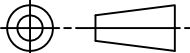
OUTSWING DOOR WITH FOUR SIDED FRAME
(EXTERIOR VIEW)
ALL DIMENSIONS TYPICAL, UNLESS SPECIFIED OTHERWISE

- NOTES:
1. WEATHERSTRIPPING
- INSTALL PER SHT.12.
 2. ANCHOR REQUIREMENTS: SEE SHEETS 6-11 FOR APPROVED ANCHOR INSTALLATION REQUIREMENTS.
 3. BUTT HINGE REQUIREMENTS:
FOR DOOR OPENING UP TO 60" HIGH - MIN. (2) HINGES
FOR DOOR OPENING OVER 60" - 90" HIGH - MIN. (3) HINGES
FOR DOOR OPENING OVER 90" - 96" HIGH - MIN. (4) HINGES
LOCATIONS: 7.125" MIN - 9.75" MAX. FROM RABBET IN HEAD TO CL OF TOP HINGE
9" MIN. - 12.25" MAX. FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.
HINGE SPACING MAY VARY, MAXIMUM SPACE NOT TO EXCEED 35 1/2" BETWEEN HINGES.
 4. SEE SHEET 1, 2, 13 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
 5. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS AND THESE DETAILS.
 6. 4" FACE HEAD IS AVAILABLE WHEN GROUTED FULL.
 7. APPLY CAULK AS NEEDED.
 8. SEE SHEET 3 FOR SECTIONS A-A, B-B, C-C, D-D, AND E-E.
 9. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
 10. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE.

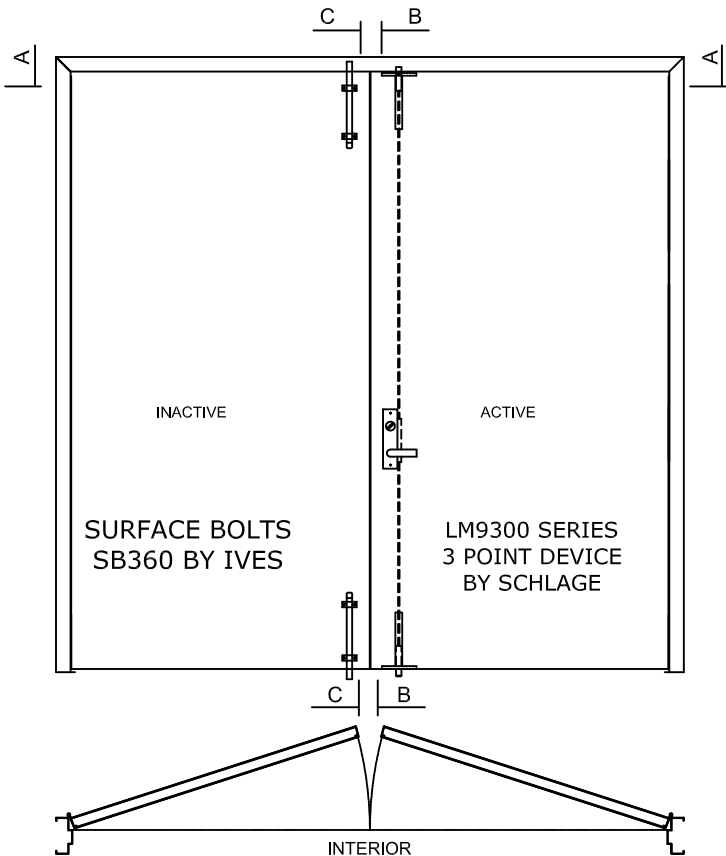
TABLE 2 (SEE TABLE 9, SHEET 15 FOR OPTION 2 CONFIGURATION)

	QUANTITY	DESCRIPTION		MATERIAL	SIZE
1	1	HEAD SEE SHT 13		.053" MIN. STL	MAX. 100"
2	1	SILL JAMB SEE SHT 13		.053" MIN. STL	MAX. 100" HEIGHT.
3	2	HINGE JAMB SEE SHT 13		.053" MIN. STL	MAX. 102" HEIGHT.
4	2	LOCK SIDE REINFORCEMENT CHANNEL		.093" MIN. STL	3.5 X 93.44 MAX
5	1	TOP CHANNEL LOCK REINFORCEMENT		.093" MIN. STL	0.5" X 1.46" X 48" MAX.
6	NOTE 3.	HINGE REINFORCEMENT DOOR		.167" MIN. STL.	1.23" X 9.19" MIN.
7	1	HINGE REINFORCEMENT FRAME		.167" MIN. STL.	1.28" X 9.19" MIN.
8	NOTE 3.	4.5" OR 5" BUTT HINGES MIN. (SEE SHT.4)		.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT.4)		.067" MIN. STL/.12 ALUM	MAX. 95"
9	2	CORE MATERIAL (SHT 5):	D) HONEYCOMB C) STEEL STIFFENED A/F) POLYSTYRENE B/F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE		
10	2	LOCKING HARDWARE- SCHLAGE LM9300 SERIES THREE POINT LOCK			
11	1	THRESHOLD SILL W/BUMPER GASKET (SEE SHT.12 & 13)		ALUM. 6063 T5	96"MAX.
		1) ZERO 11A-T1)566A, 11B-T3)65A, 11C)568 2) NAT'L GUARD T2)950A, T4)803V		ALUM. 6063 T5	
12	NOTE 2.	JAMB ANCHOR		SEE SHEETS 6-11	
13	1	PSO74 WEATHER STRIPPING		TPE	MAX. 24'
14	2	FAS-SEAL DOOR SWEEP		TPE	MAX. 47.66"
15	4	END CHANNEL (16 GA - INVERTED)		.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.
16	1	Z ASTRAGAL		.067" MIN. STL.	MAX. 95.75"
17	AS NEEDED	BUTYL RUBBER, SILICONE OR LATEX W/ SILICONE			
18	2	DOOR SLAB (16 OR 14 GA)		SEE SHEET 14	48" X 96" MAX.
19	1	BY ZERO INT'L SEAL A)188S, B)117S, C)8145S, D)8150S, E)8042S		SILICONE	MAX. 24'
		BY NGP	DOOR SEAL No.5020		
20	2	BY ZERO INT'L	DOOR SWEEP No.539	TPE	MAX. 96"
		BY NGP	DOOR SWEEP No.202N		
21	2	BY ZERO INT'L DOOR SWEEP A)139, B) 328, C)39	DOOR SWEEP No.200N	SEE SHEETS 12 & 13	MAX. 48"
		BY NGP			
22	2	BY ZERO INT'L	ADJUSTABLE STOP No.475	TPE	MAX. 48"
		BY NGP	ADJUSTABLE STOP No.170N		
23	1	BY ZERO INT'L	DOOR SEAL No.188S	SILICONE	MAX. 24'
23A	1	BY ZERO INT'L	RAIN DRIP 142	ALUMINUM	MAX. 100"
23B	1	BY ZERO INT'L	RAIN DRIP 11	ALUMINUM	MAX. 48"
24	2	TOP CHANNEL REINFORCEMENT		.093" MIN. STL	0.50" X 1.457." X 48" MAX.
25	2	IVES SB360 12" SURFACE BOLT			
26	1	STRIKE REINFORCEMENT HEAD OR SILL		.093" MIN. STL	0.875" X 2." MIN.
27	1	SURFACE BOLT REINFORCEMENT		.067" MIN. STL.	8" MIN. 18" MAX.
28	2	BOTTOM CHANNEL PREP/ REINFORCEMENT 2-PIECES		.093" MIN. STL	1.375" X 3.5"
29	2	IVES DOOR VIEWER U698/698			

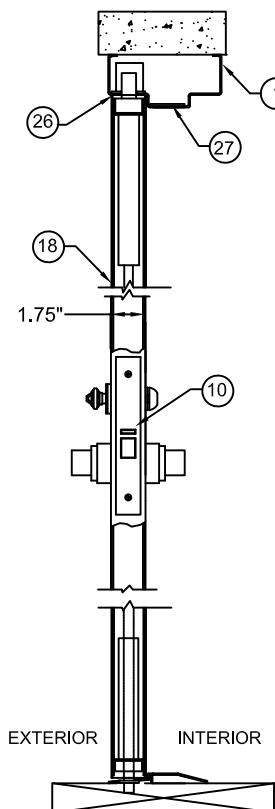
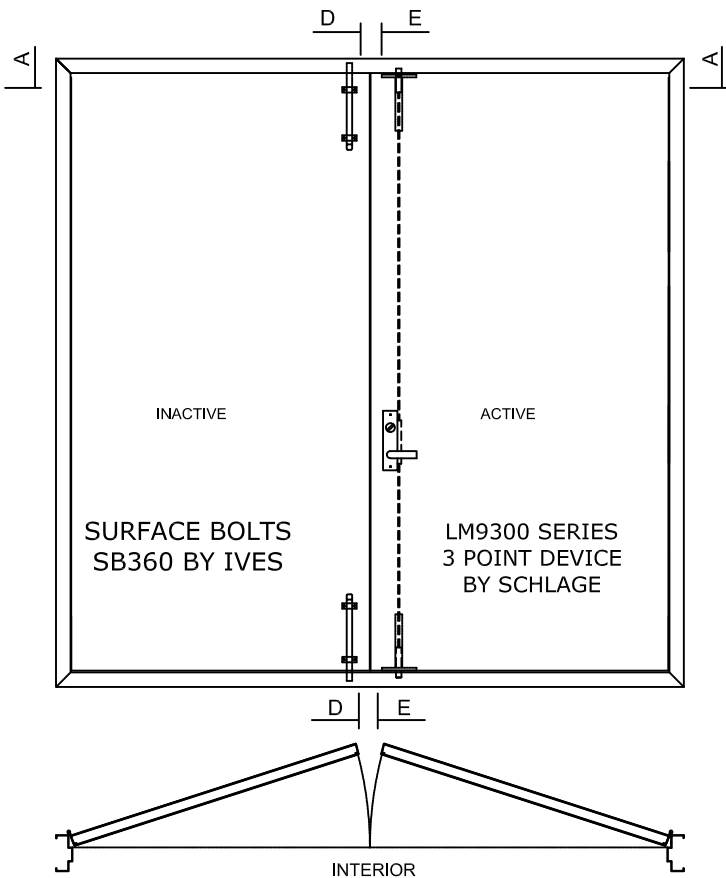


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032						
								
THIRD ANGLE PROJECTION		TITLE FLORIDA BUILDING CODE PRODUCT APPROVAL						
DRAWN	DATE	STEELCRAFT DOORS & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING & OUTSWING THREE AND FOUR SIDED FRAMES TESTED TO TAS 201, 202, 203 HVHZ & ASTM E1886, E1996 EHPA						
JPD	08/21/13							
CHECKED								
APPROVED		SIZE	FLAT	DWG NO.		F9300DF		REV
								E
ENG. APPVL		SCALE:		NTS	AUTOCAD	FL16740	SHEET	2 OF 16
X	08/21/13							

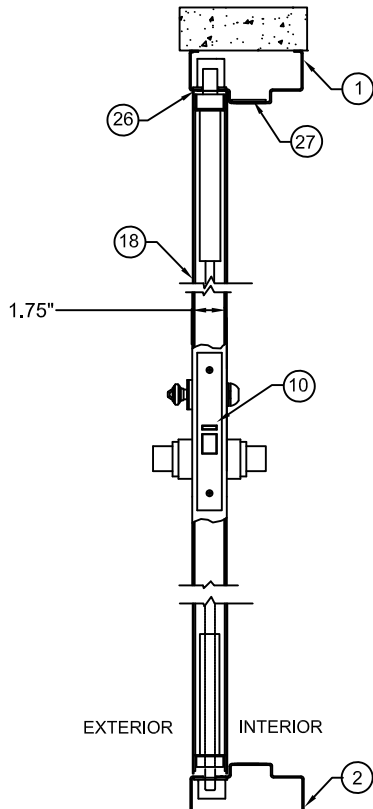
DOUBLE DOORS WITH THREE-SIDED FRAME



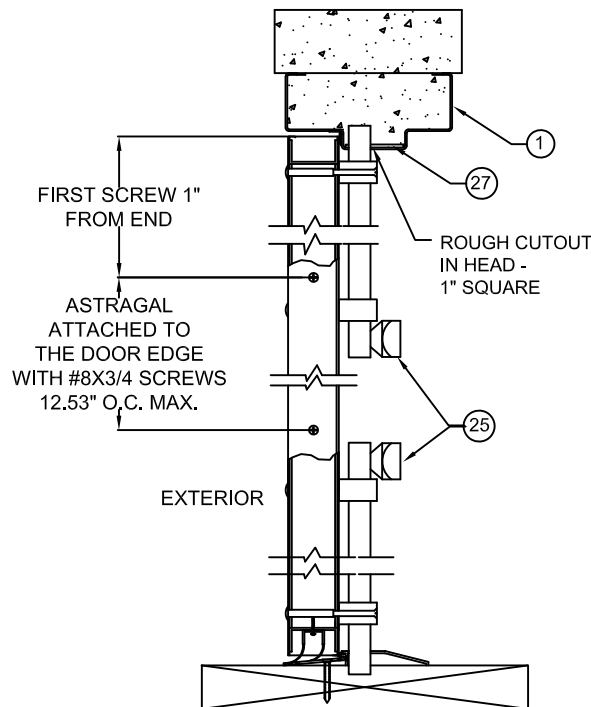
DOUBLE DOORS WITH FOUR-SIDED FRAME



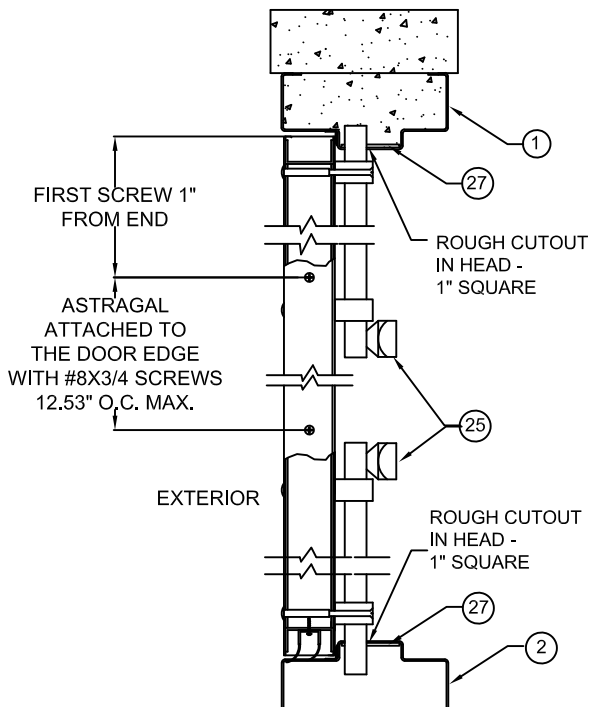
SECTION B-B
ACTIVE LEAF WITH
THREE POINT DEVICE



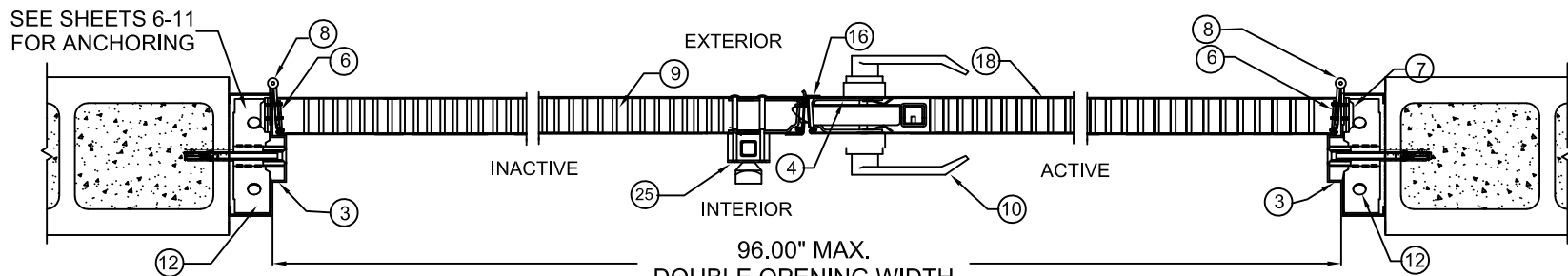
SECTION E-E
ACTIVE LEAF WITH
THREE POINT DEVICE



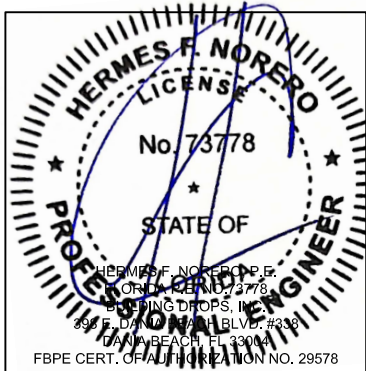
SECTION C-C
INACTIVE LEAF WITH IVES 360
SURFACE BOLTS
IN TOP AND BOTTOM

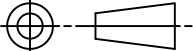


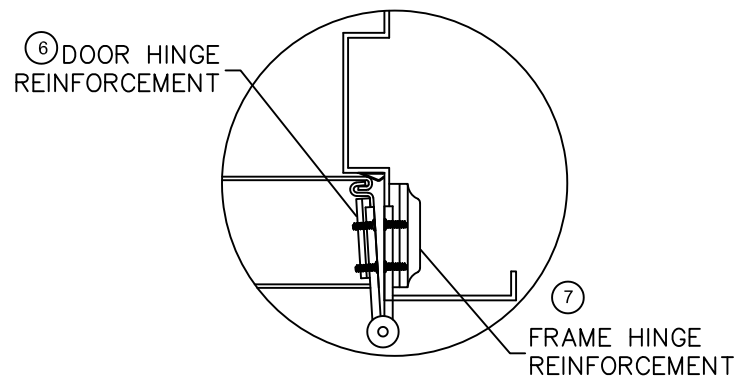
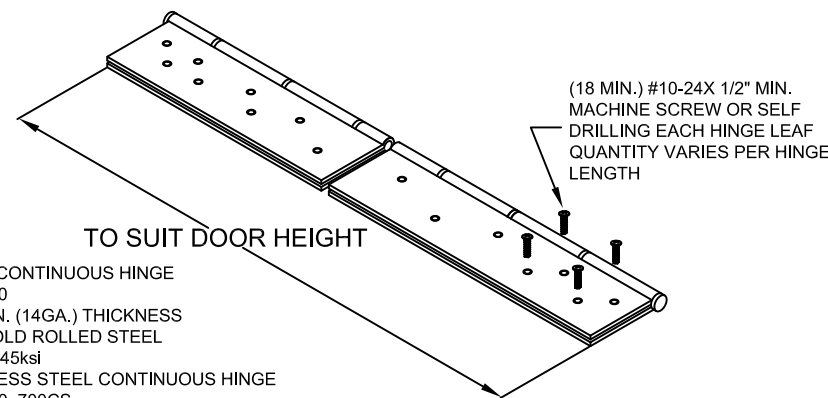
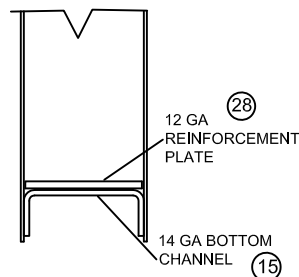
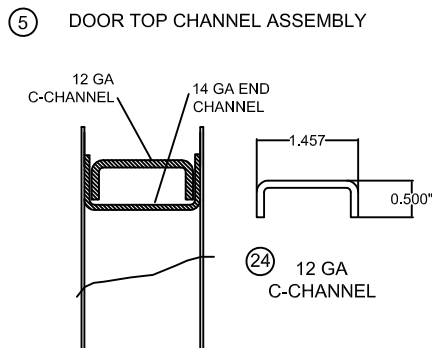
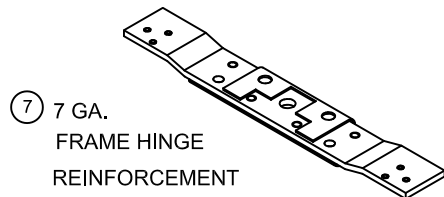
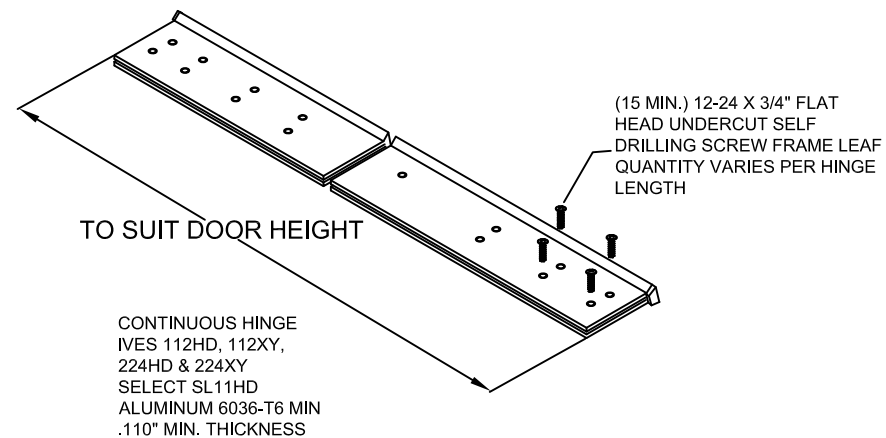
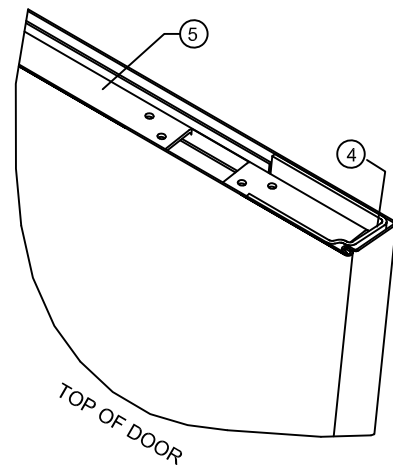
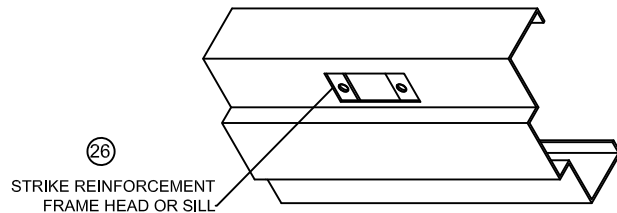
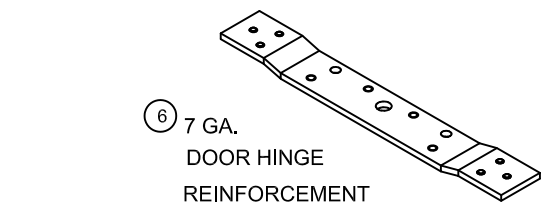
SECTION D-D
INACTIVE LEAF WITH IVES 360
SURFACE BOLTS
IN TOP AND BOTTOM



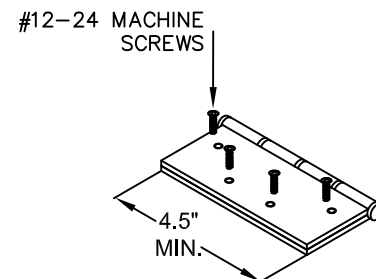
SECTION A-A
LM9300 ON ACTIVE LEAF AND
360 SURFACE BOLTS ON INACTIVE LEAF



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
						
THIRD ANGLE PROJECTION		TITLE FLORIDA BUILDING CODE PRODUCT APPROVAL				
DRAWN	DATE	COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING & OUTSWING THREE AND FOUR SIDED FRAMES TESTED TO TAS 201, 202, 203 HVHZ & ASTM E1886, E1996 EHPA				
JPD	08/21/13					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	REV	
				F9300DF	E	
ENG. APPVL	08/21/13	SCALE:	NTS	AUTOCAD	FL16740	SHEET 3 OF 16
X						

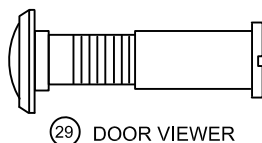
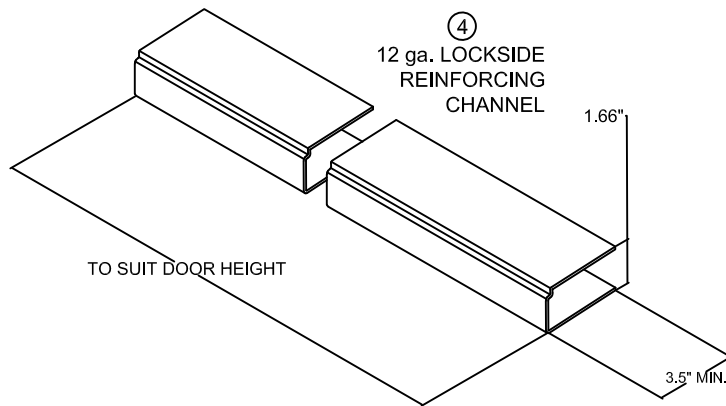
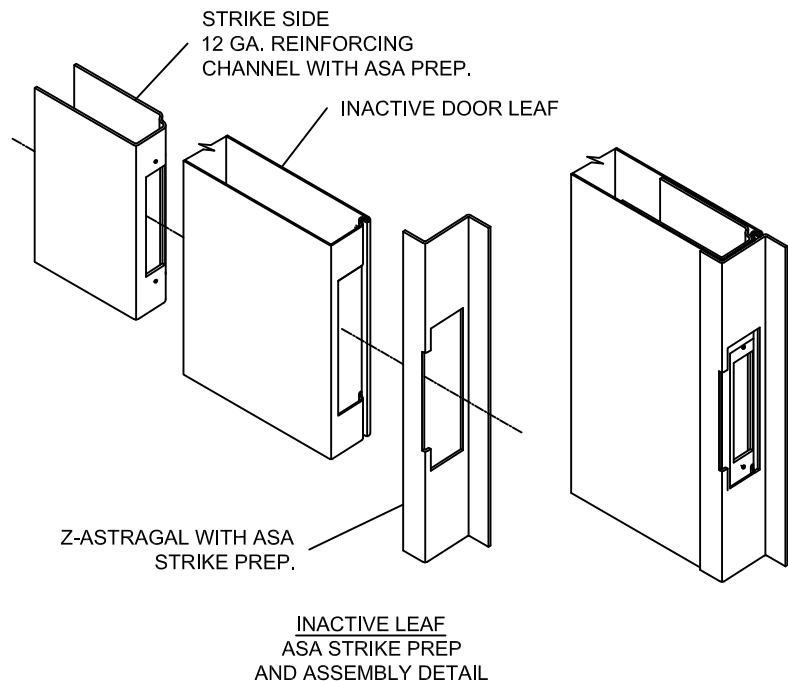


STEEL CONTINUOUS HINGE
IVES 600
.075 MIN. (14GA.) THICKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900 & 780-224HD
ABH A500 & A240HD
.075\"/>



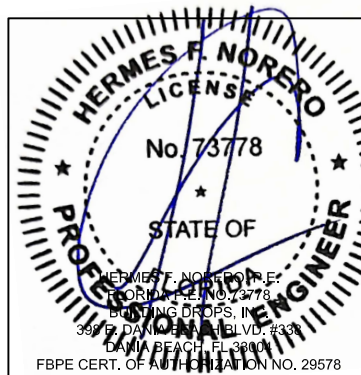
10
LM9300
3PT LOCK
ASSEMBLY

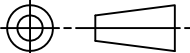
8
BUTT HINGE
MIN SIZE 4.5\"/>



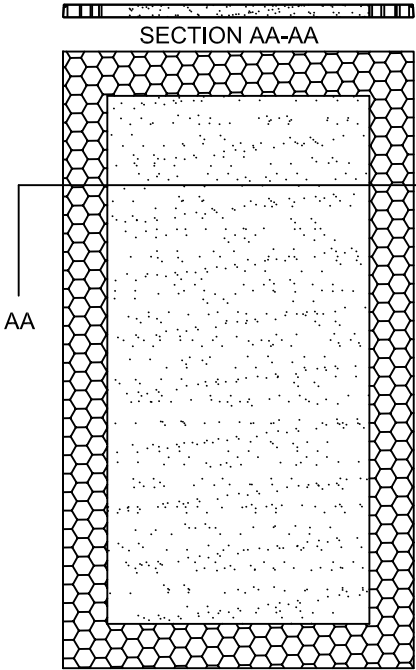
NOTES:

1. SEE SHTS. 1, 3, 14 & 16 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHTS. 6-11 FOR ANCHORING INFORMATION
3. SEE SHT. 14 & 16 FOR FRAME PROFILE
4. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS

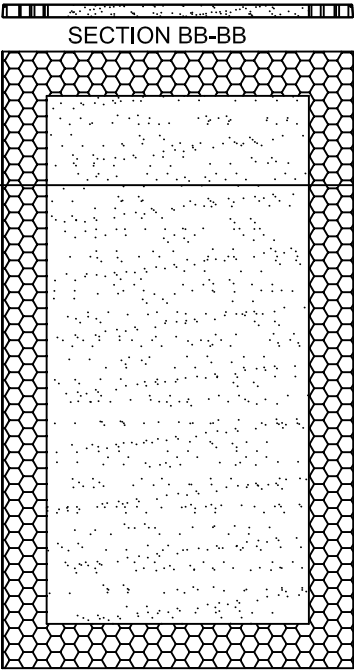


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032					
							
THIRD ANGLE PROJECTION		TITLE FLORIDA BUILDING CODE PRODUCT APPROVAL					
DRAWN JPD	DATE 08/21/13	COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING & OUTSWING THREE AND FOUR SIDED FRAMES TESTED TO TAS 201, 202, 203 HVHZ & ASTM E1886, E1996 EHPA					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.		F9300DF	REV E
ENG. APPVL X	08/21/13	SCALE:	NTS	AUTOCAD	FL16740	SHEET 4 OF	16

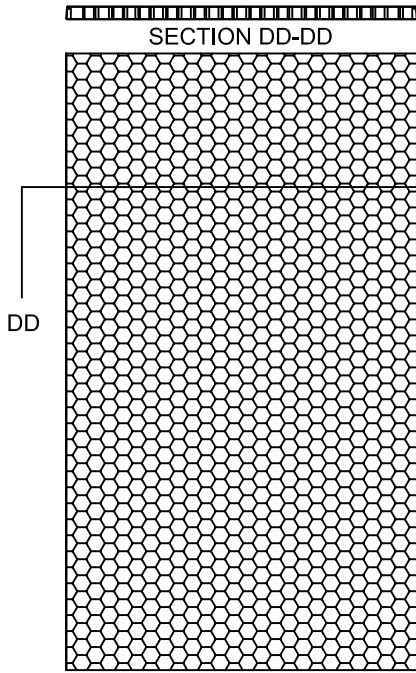
SEE DETAIL 'V1', 'V2', 'V3'



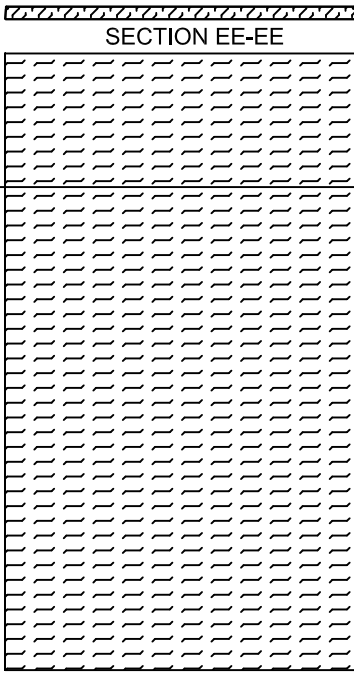
(A) POLYSTYRENE



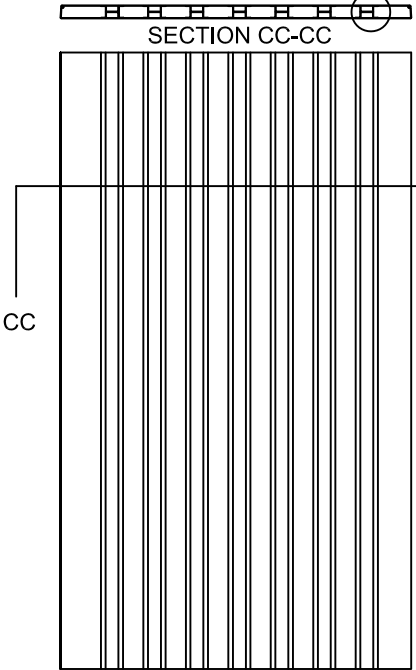
(B) POLYISOCYANURATE
(POLYURETHANE)
DENSITY: 2 LBS/FT³



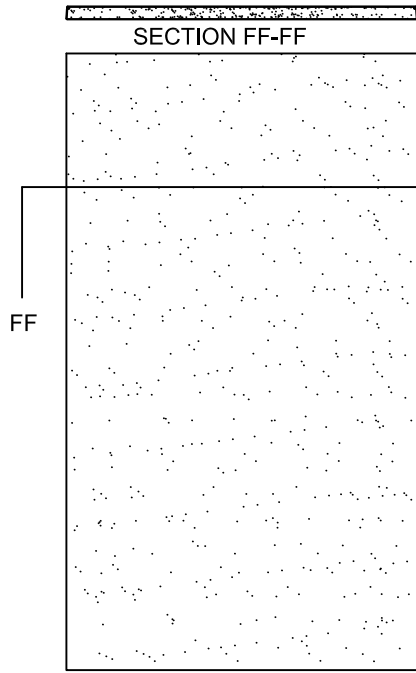
(D) HONEYCOMB
KRAFT PAPER.



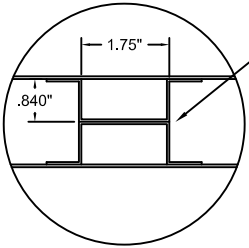
(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17 ± 1.5 LBS/FT³



(C) STEEL STIFFENED
HAT SHAPED SECTIONS
22 GA. MIN.

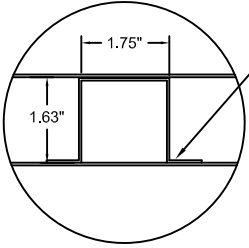


(F) EXPANDED POLYSTYRENE FOAM
DENSITY: 1.0 LB/FT³
OR POLYISOCYANURATE
(POLYURETHANE)
DENSITY: 2 LBS/FT³



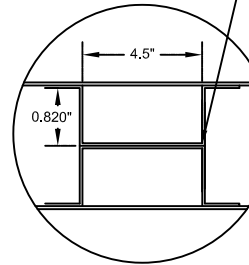
DETAIL 'V1'

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



DETAIL 'V2'

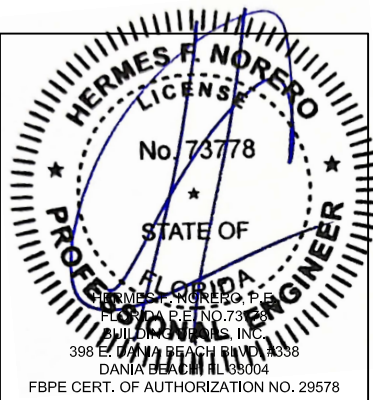
ALTERNATE FULL
HEIGHT HAT SHAPED
STIFFENERS SPOTWELDED
6" O.C. TO INSIDE
OF ONE FACE SHEET,
BONDED TO OTHER

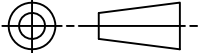


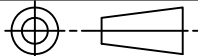
DETAIL 'V3'

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

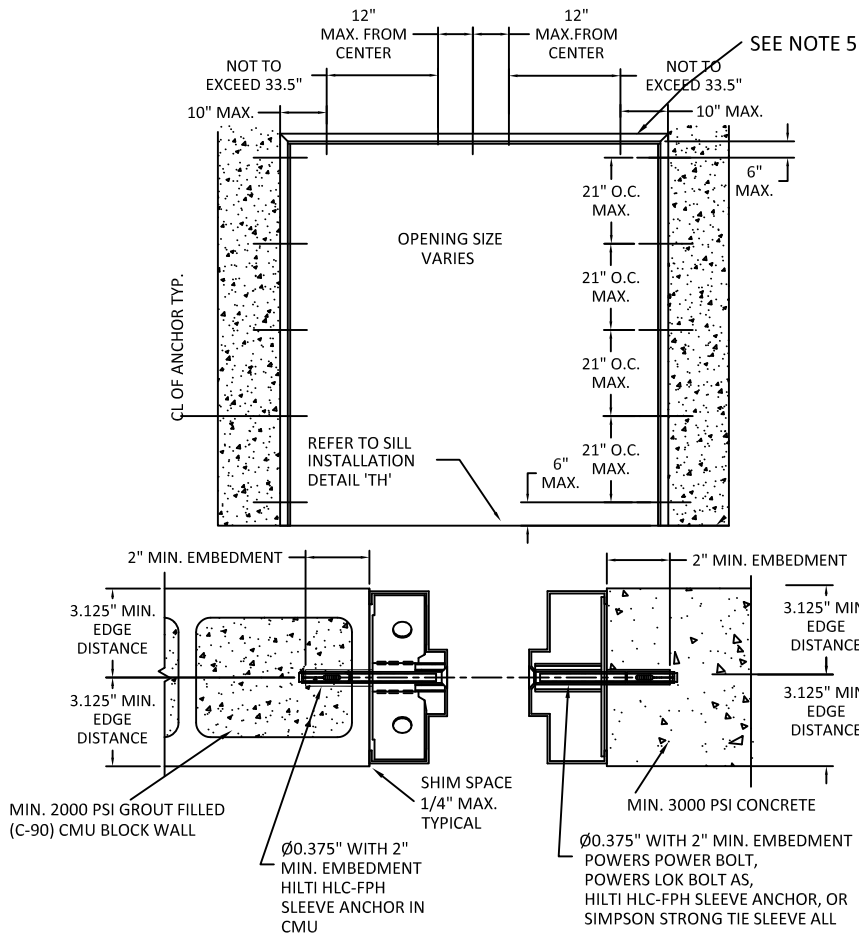
NOTES:
1. CORE MATERIAL SHOWN WITHOUT DOOR CUTOUTS AND REINFORCEMENTS.



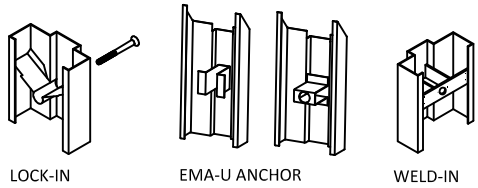
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
						
THIRD ANGLE PROJECTION		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL				
DRAWN	DATE	COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING & OUTSWING DOOR CORE OPTIONS				
JPD	08/21/13					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.		REV
				F9300DF		E
ENG. APPVL		SCALE:		NTS	AUTOCAD	FL16740
X	08/21/13					SHEET 5 OF 16

BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
						
THIRD ANGLE PROJECTION		TITLE:FLORIDA BUILDING CODE PRODUCT APPROVAL				
DRAWN	DATE	COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING THREE SIDED FRAMES ANCHOR DETAILS / INSTALLATION CONDITIONS				
JPD	08/21/13					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	F9300DF	REV E
ENG. APPVL		SCALE:	NTS	AUTOCAD	FL16740	SHEET 6 OF 16

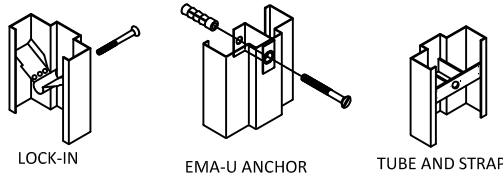
D EXISTING WALL ANCHOR (EMA)
INTO CONCRETE WALL OR CMU



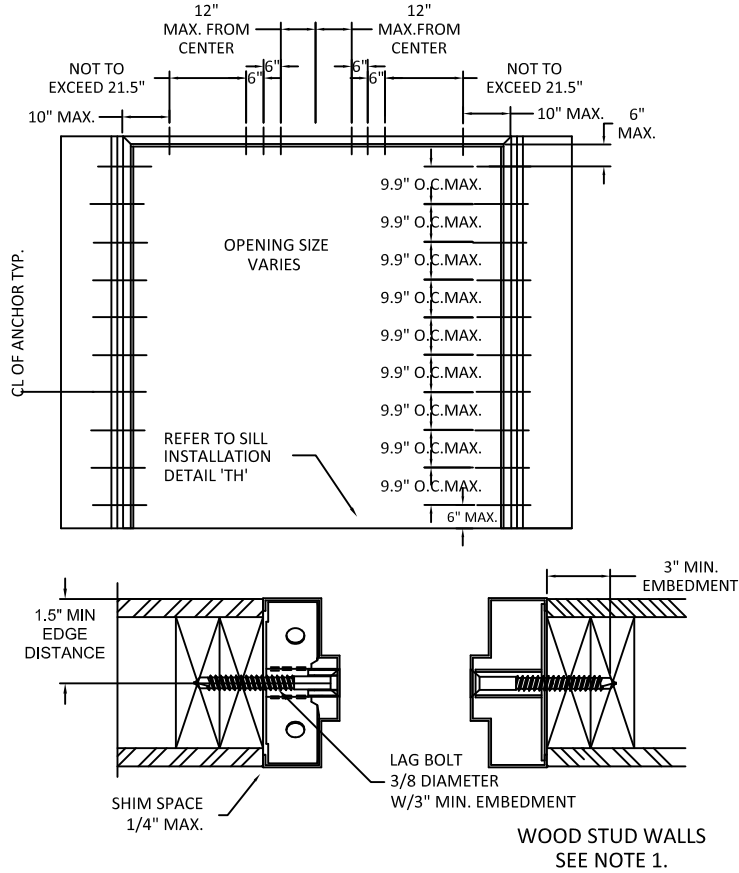
TYPE 1 EMA ANCHORS



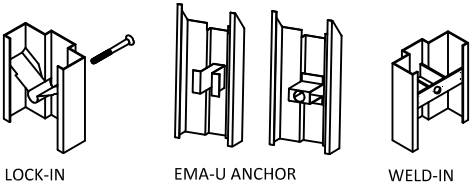
TYPE 2 EMA ANCHORS



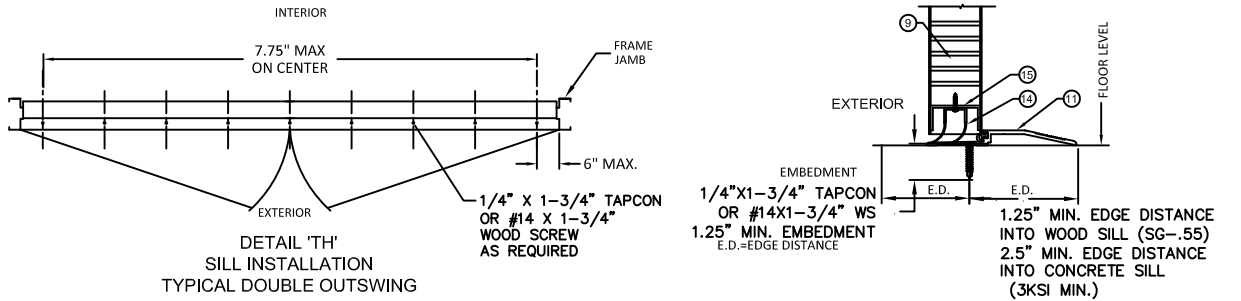
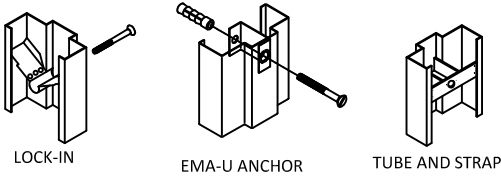
E EXISTING WALL ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL



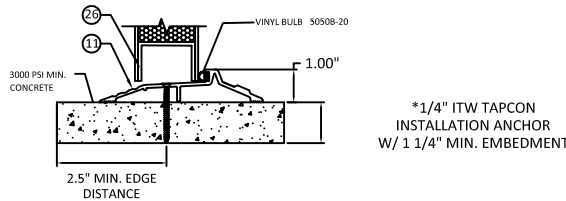
TYPE 1 EMA ANCHORS



TYPE 2 EMA ANCHORS



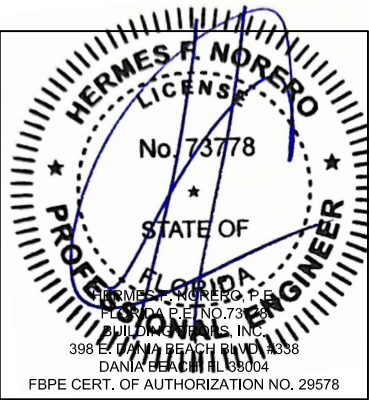
TYPE 1 THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



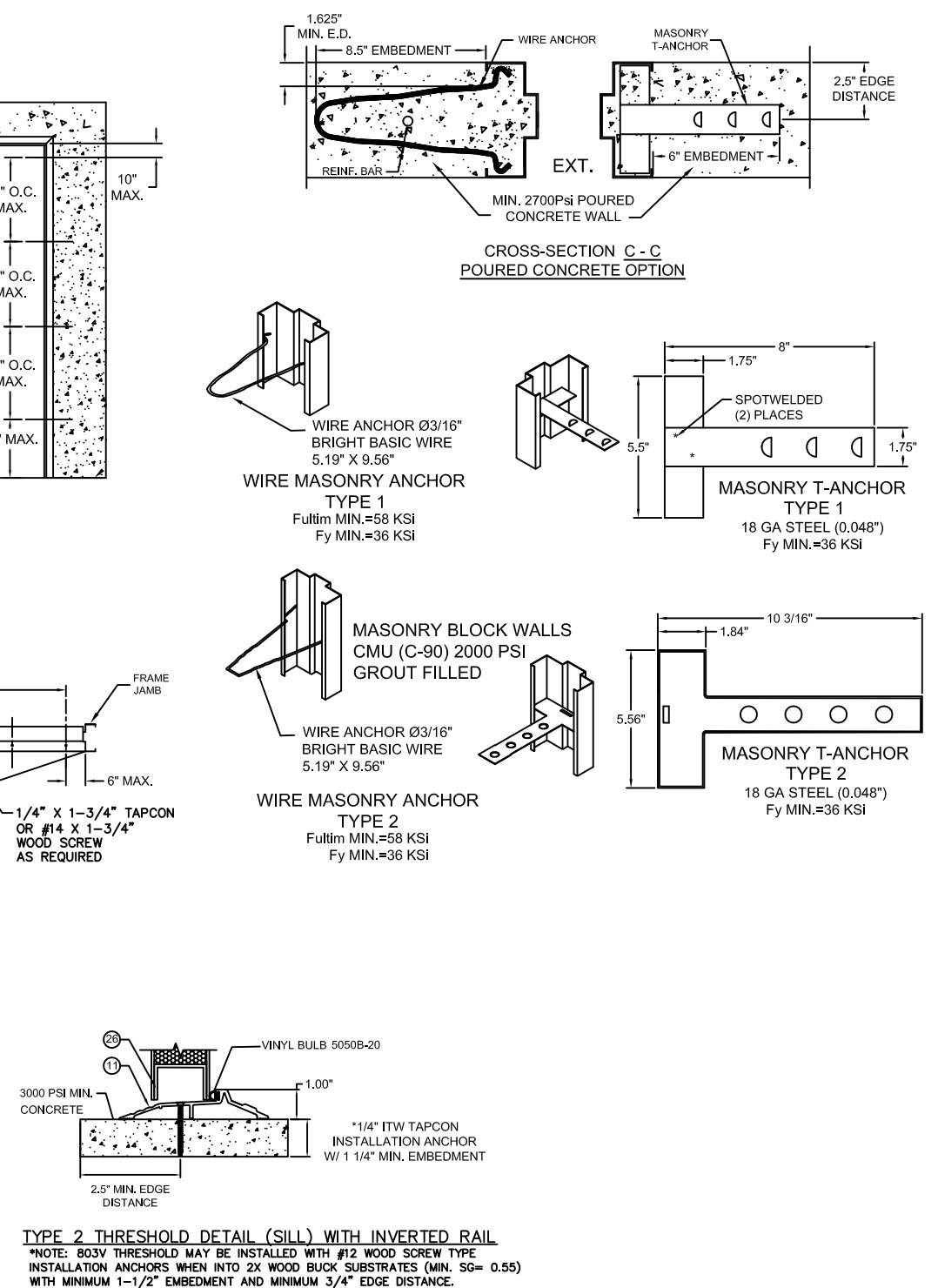
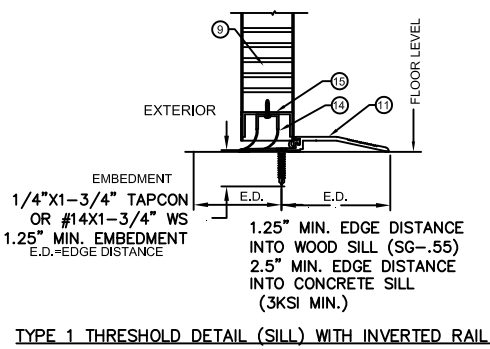
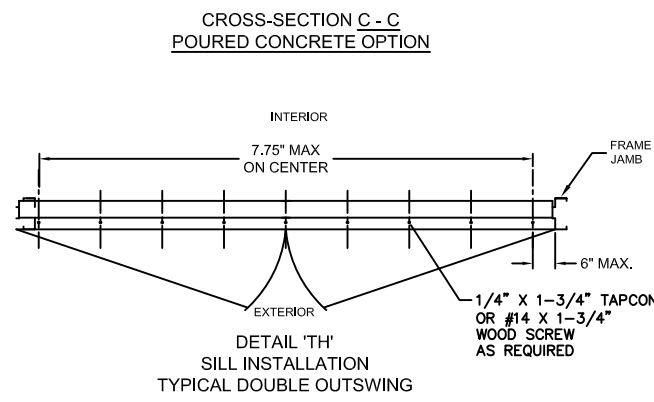
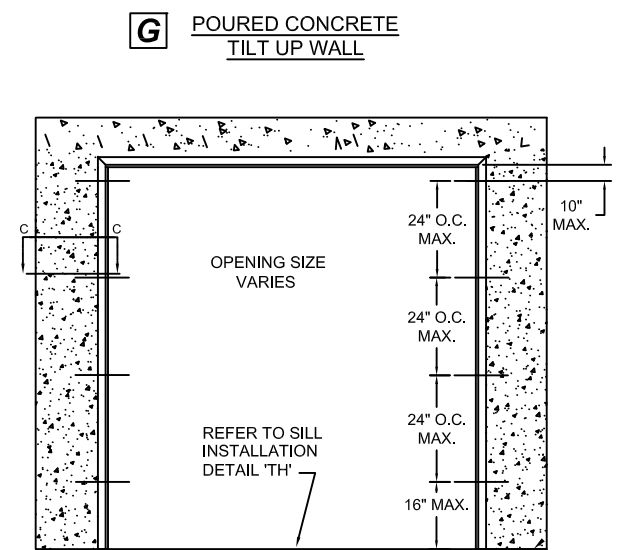
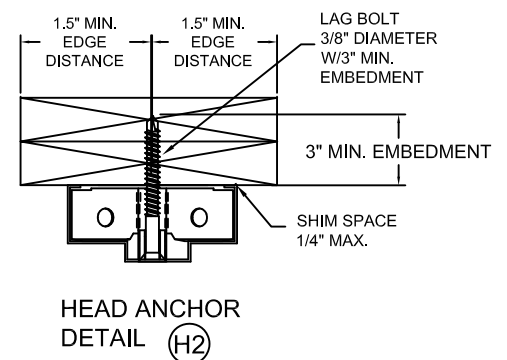
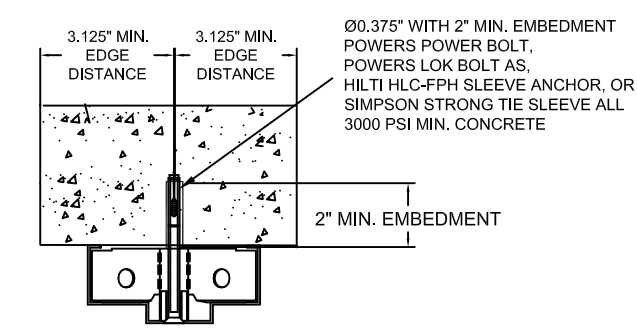
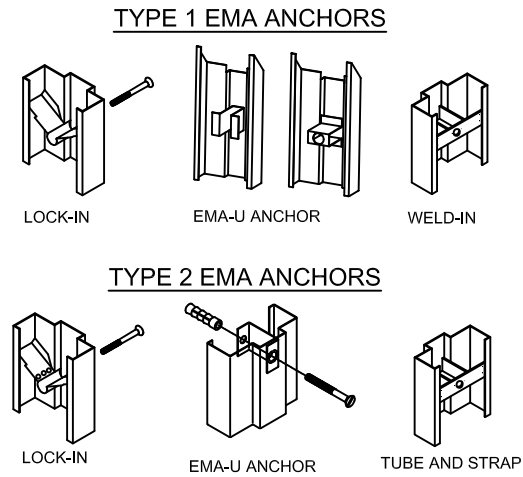
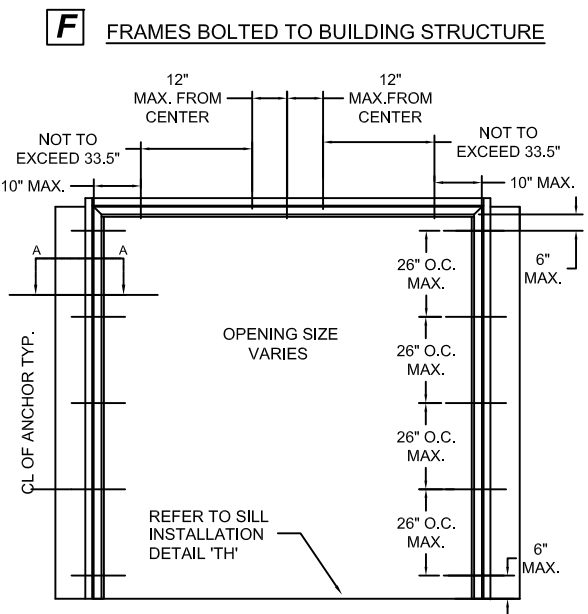
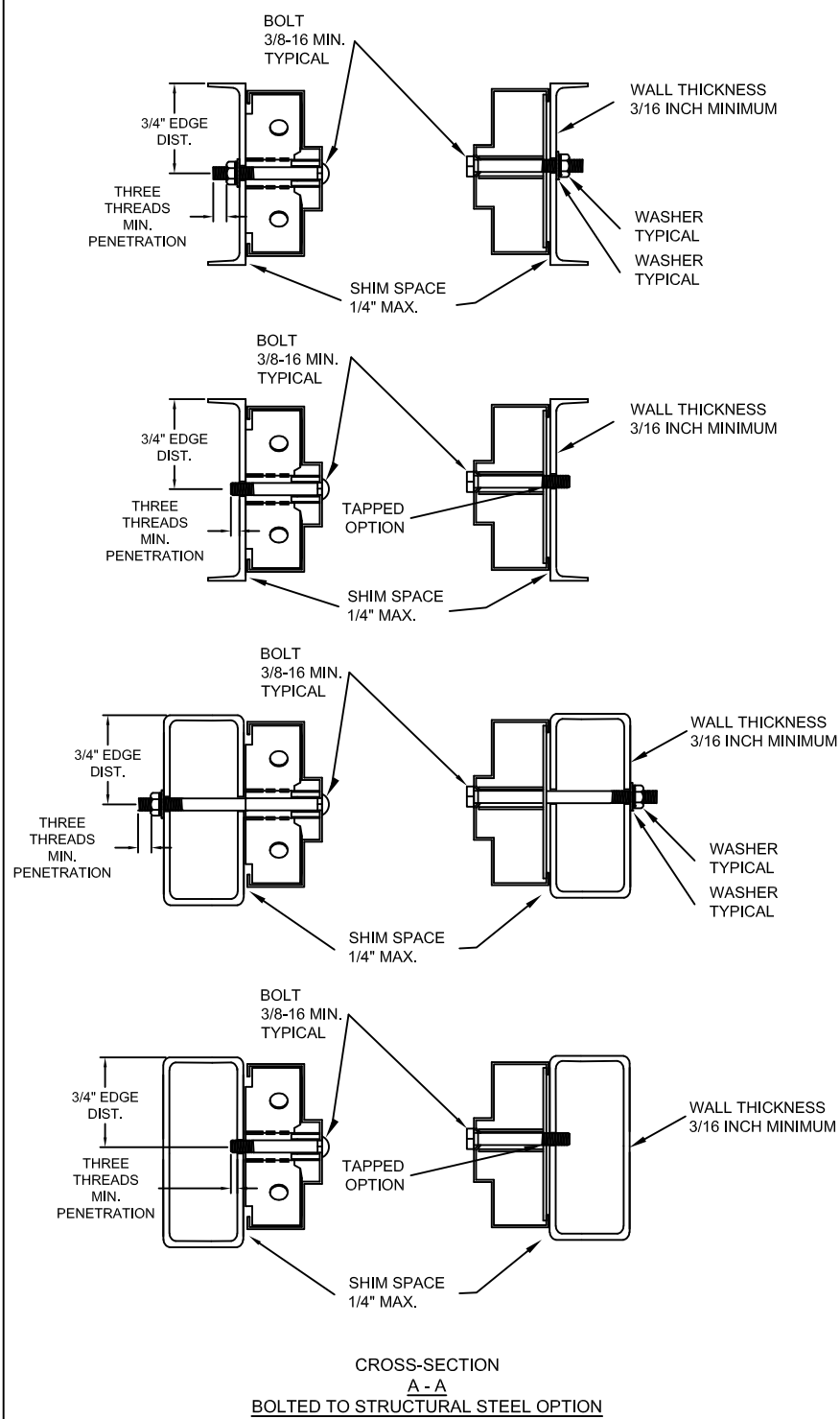
TYPE 2 THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL

SEE SHEET 6 FOR HEAD
INSTALLATION DETAILS, H1
AND H2

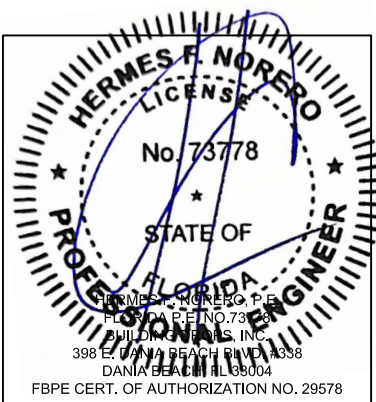
- NOTES:
1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. Fy=33KSI
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN 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. HEAD ANCHORS TO SUIT SUBSTRATE, TYPE MAY VARY FROM JAMB ANCHOR.
 6. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.

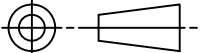


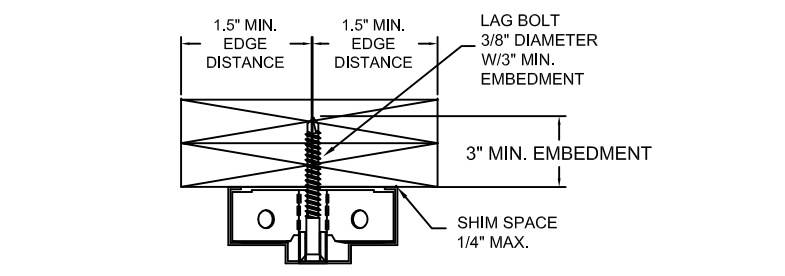
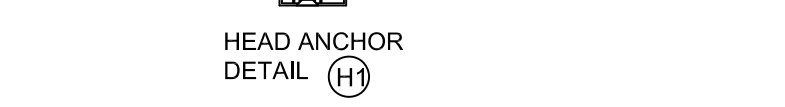
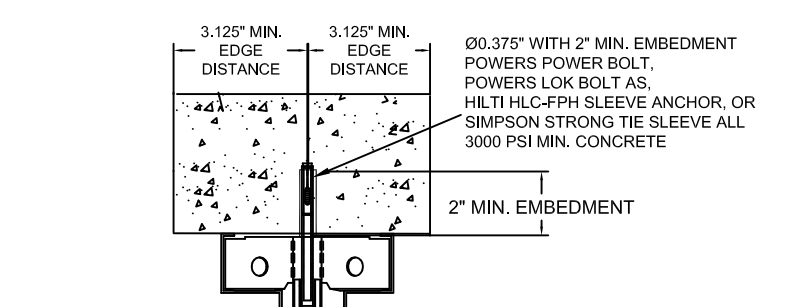
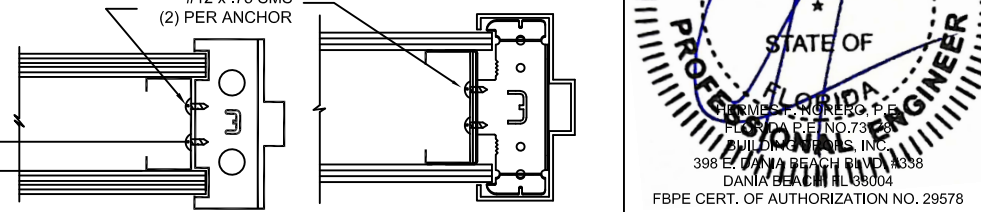
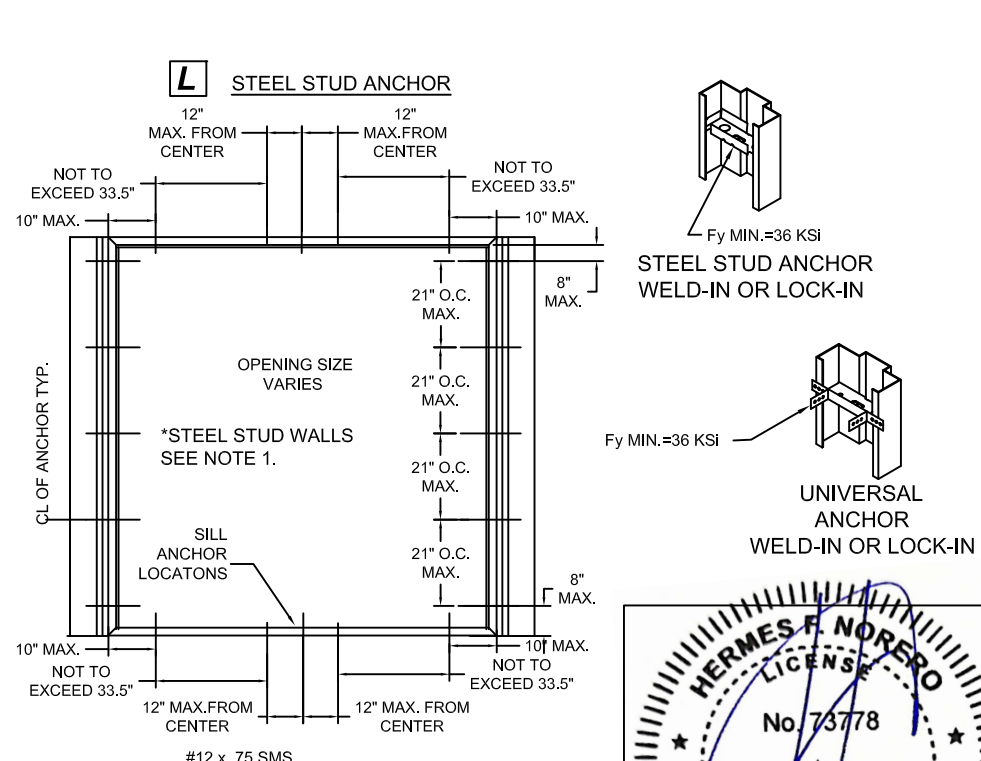
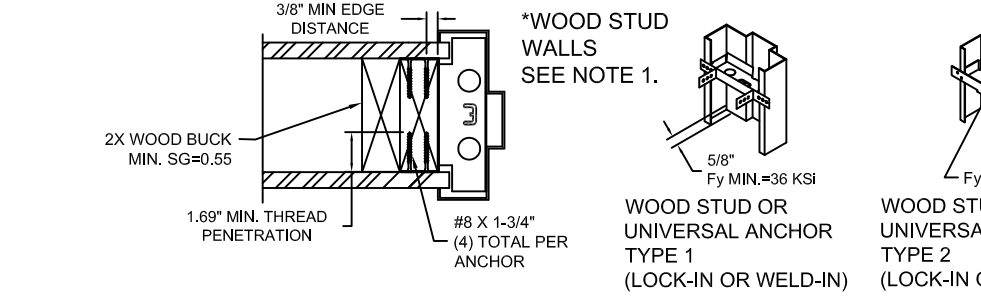
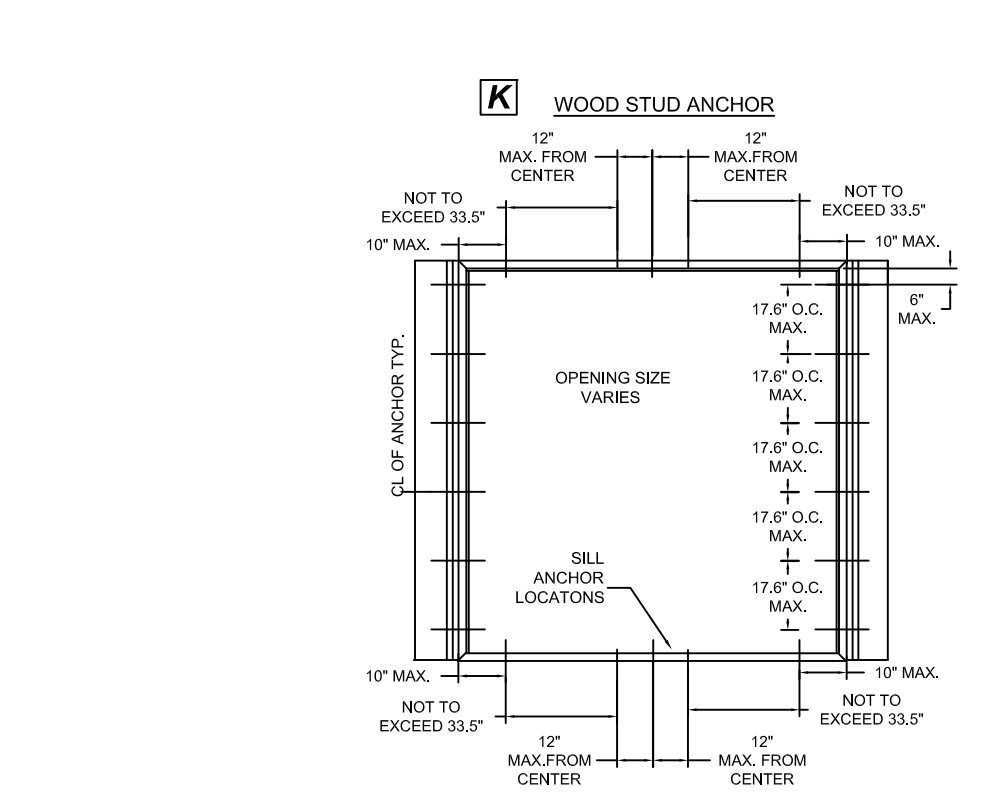
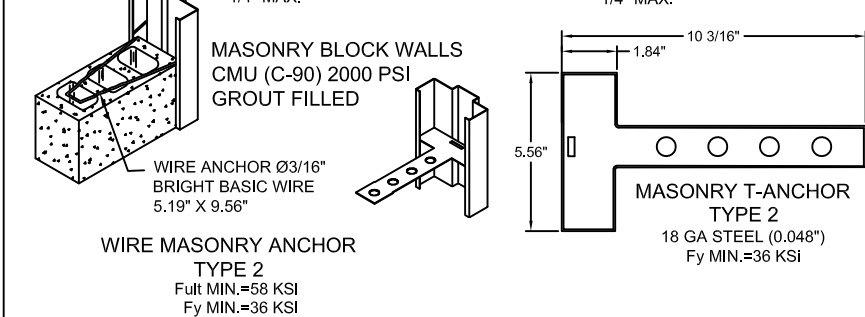
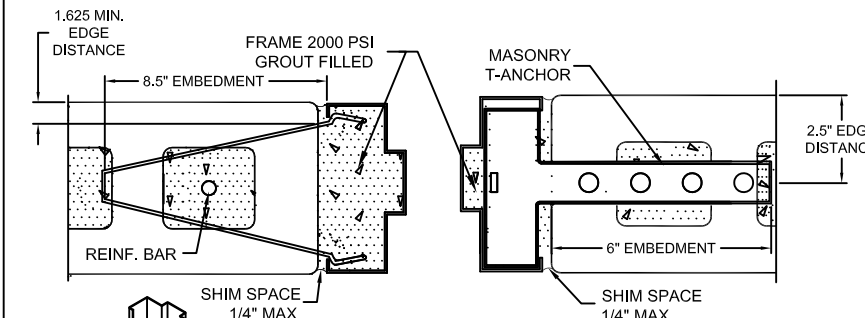
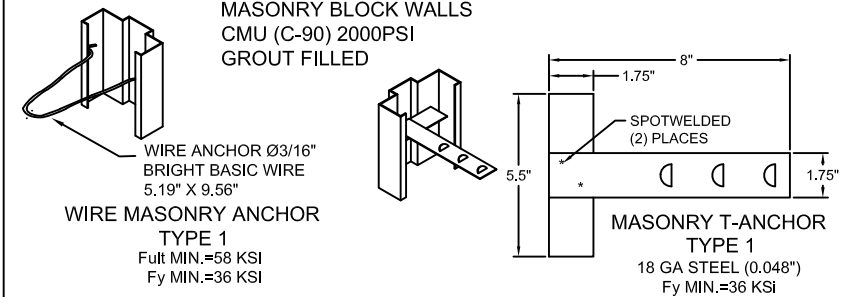
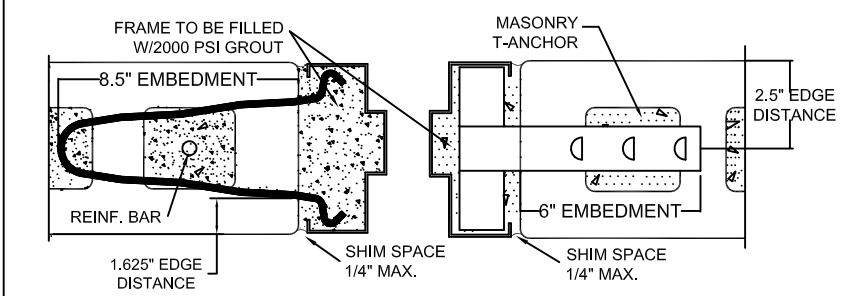
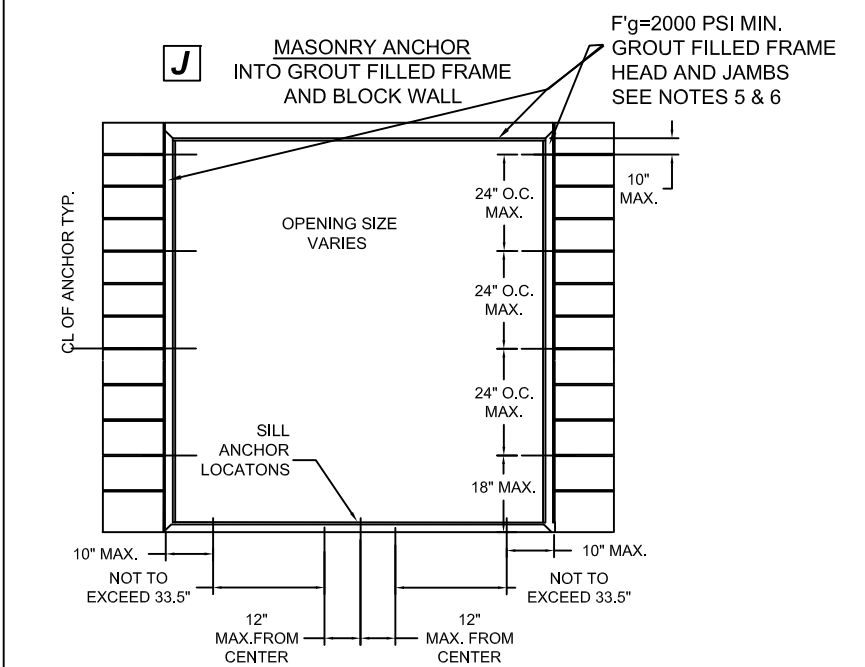
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE:FLORIDA BUILDING CODE PRODUCT APPROVAL			
DRAWN JPD	DATE 08/21/13	COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING THREE SIDED FRAMES ANCHOR DETAILS / INSTALLATION CONDITIONS			
CHECKED		SIZE	FLAT	DWG NO. F9300DF	REV E
APPROVED		SCALE: NTS AUTOCAD FL16740 SHEET 7 OF 16			
ENG. APPVL					



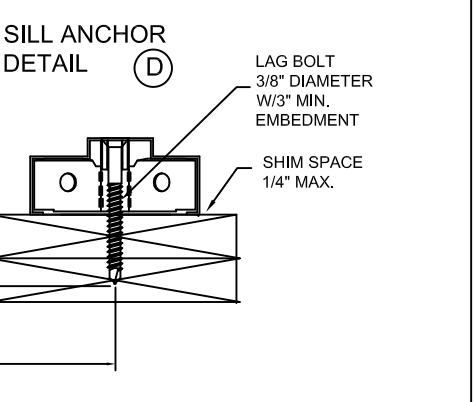
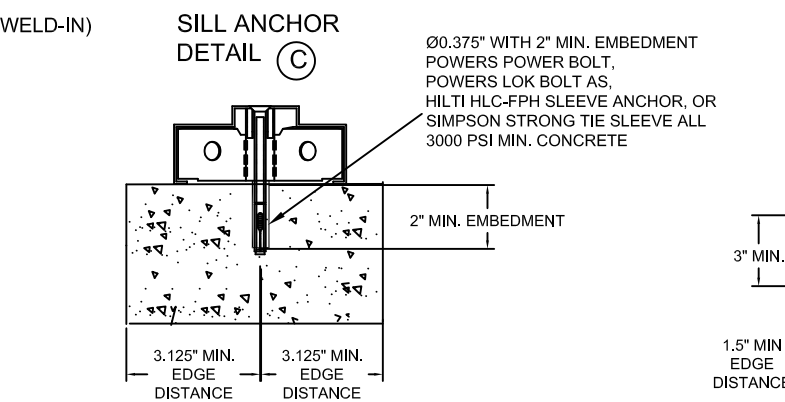
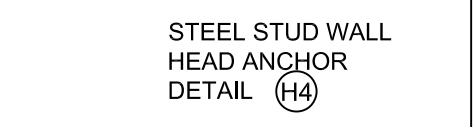
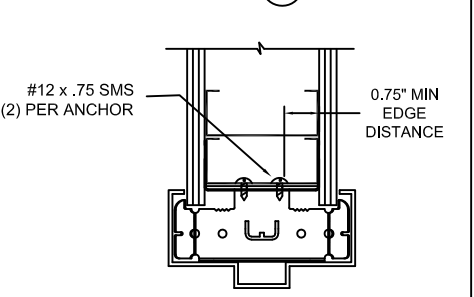
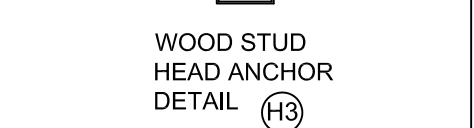
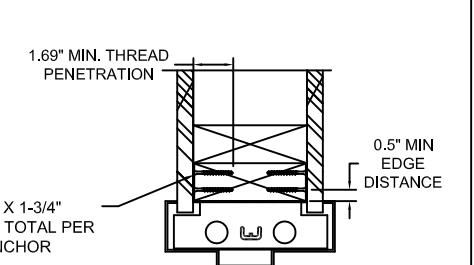
NOTES:
1.STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. Fy=33KSI
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.BOTH JAMBS MUST HAVE EQUAL NUMBER OF ANCHORS.
4.HEAD ANCHORS TO SUIT SUBSTRATE, TYPE MAY VARY FROM JAMB ANCHOR.
5. APPLY CAULK AS NEEDED.
6. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL JAMB ANCHOR OPTIONS.



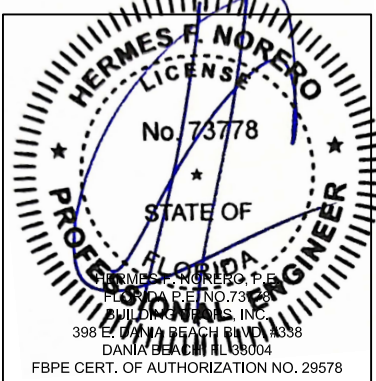
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL COMMERCIAL STEEL DOORS AND SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING THREE SIDED FRAMES ANCHOR DETAILS / INSTALLATION CONDITIONS				
THIRD ANGLE PROJECTION						
DRAWN JPD	DATE 08/21/13					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. F9300DF		REV E
ENG. APPVL		SCALE:	NTS	AUTOCAD	FL16740	SHEET 8 OF 16



HEAD ANCHOR NOTES:
DETAIL H1 CORRESPONDS TO ANCHOR LAYOUT M ON SHEET 10
DETAIL H2 CORRESPONDS TO ANCHOR LAYOUT N ON SHEET 10
DETAIL H3 CORRESPONDS TO ANCHOR LAYOUT K, THIS SHEET
DETAIL H4 CORRESPONDS TO ANCHOR LAYOUT L, THIS SHEET
HEAD AND JAMB CONDITIONS MAY BE COMBINED SUCH THAT THE CORRESPONDING ANCHOR QUANTITIES PER THE LAYOUTS ARE USED.
ANCHOR LAYOUT J, THIS SHEET, DOES NOT REQUIRE HEAD ANCHORS.

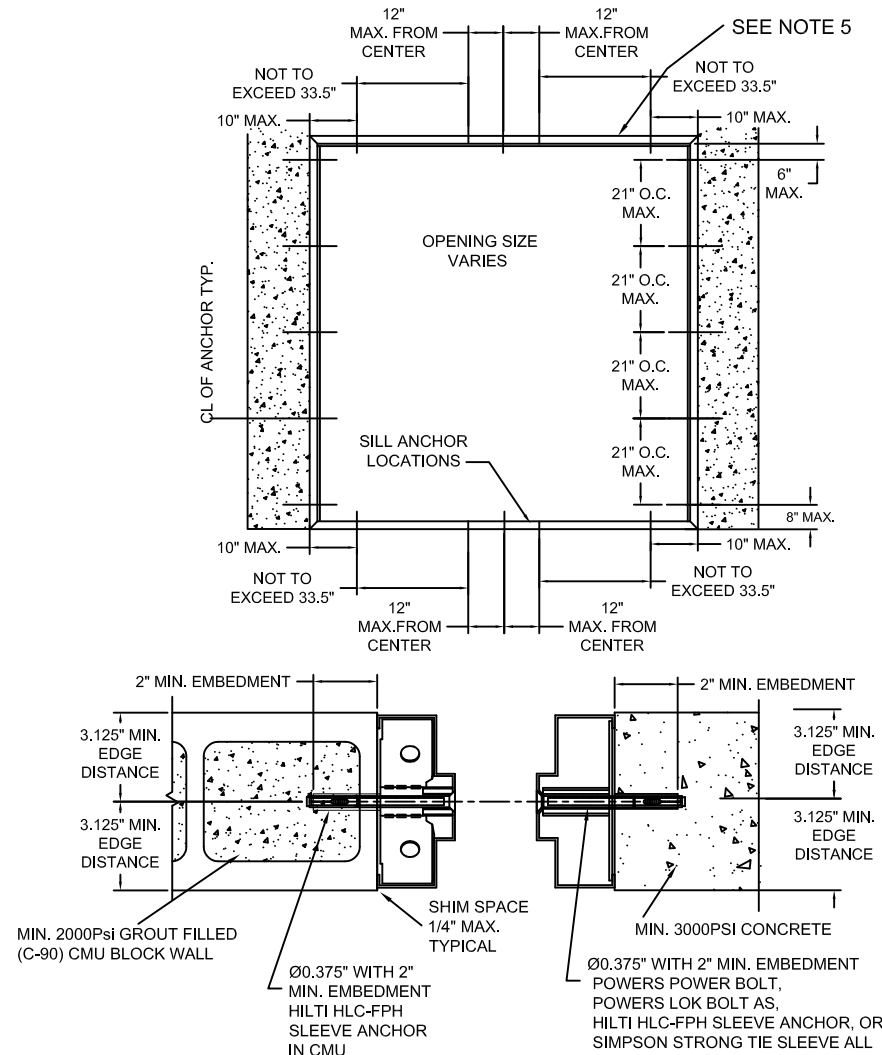


- NOTES:
1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. F_y=33KSI
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN 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 TO SUIT SUBSTRATE, TYPE MAY VARY FROM JAMB ANCHOR

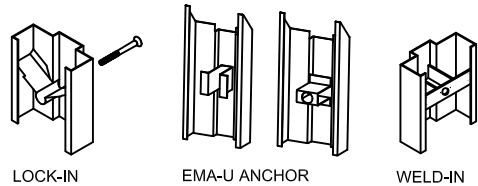


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING FOUR SIDED FRAMES ANCHOR DETAILS / INSTALLATION CONDITIONS			
DRAWN	DATE	SIZE		DWG NO.	REV
JPD	08/21/2013	FLAT		F9300DF	E
CHECKED		SCALE:			
APPROVED		NTS		AUTOCAD	FL16740
ENG. APPVL				SHEET	9 OF 16

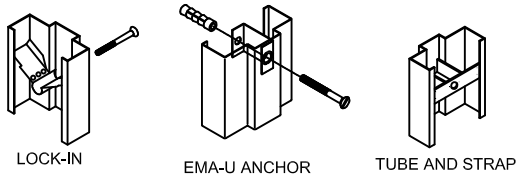
M EXISTING WALL ANCHOR (EMA)
INTO CONCRETE WALL OR CMU



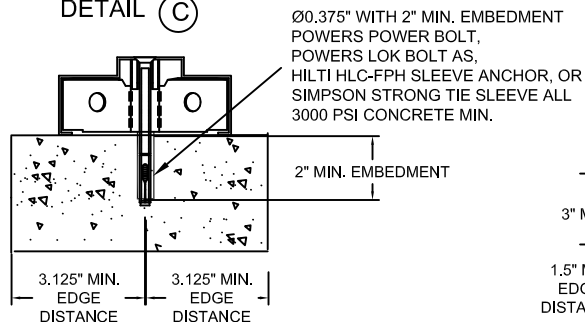
TYPE 1 EMA ANCHORS



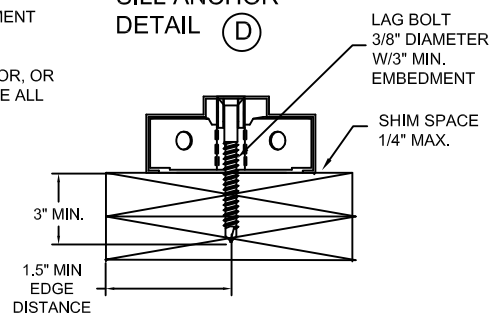
TYPE 2 EMA ANCHORS



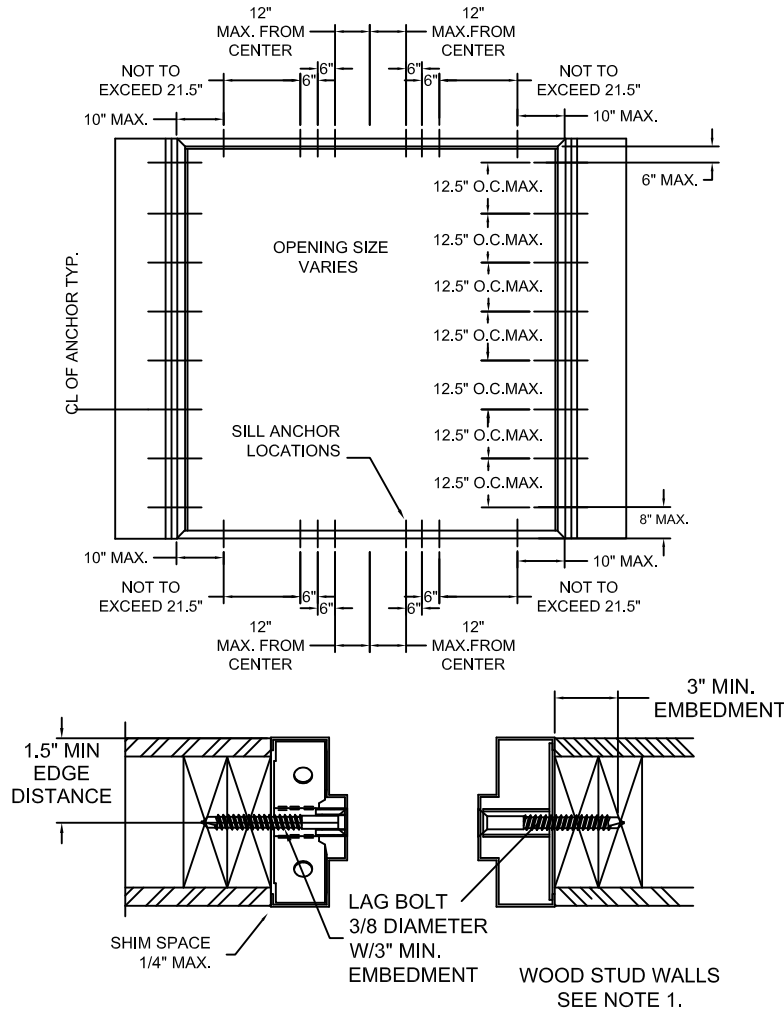
SILL ANCHOR
DETAIL (C)



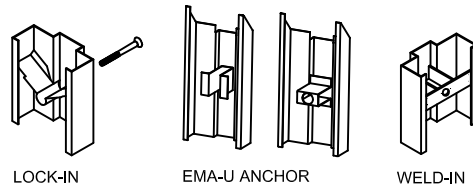
SILL ANCHOR
DETAIL (D)



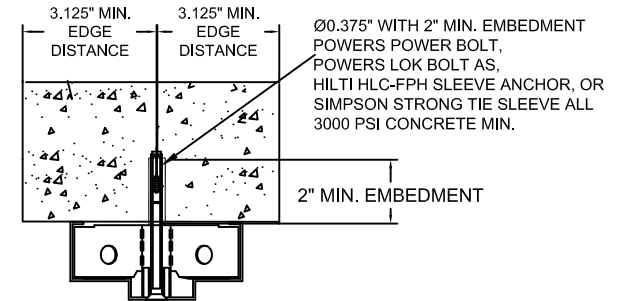
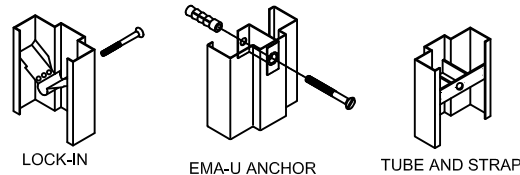
N EXISTING WALL ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL



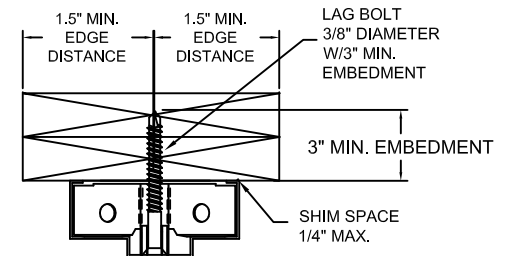
TYPE 1 EMA ANCHORS



TYPE 2 EMA ANCHORS



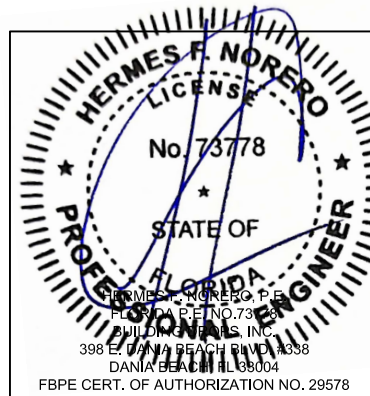
HEAD ANCHOR
DETAIL (H1)



HEAD ANCHOR
DETAIL (H2)

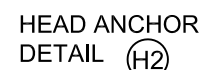
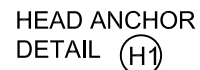
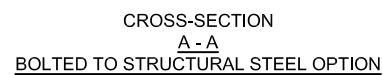
HEAD ANCHOR NOTES:
DETAIL H1 CORRESPONDS TO ANCHOR LAYOUT M, THIS SHEET
DETAIL H2 CORRESPONDS TO ANCHOR LAYOUT N, THIS SHEET
HEAD AND JAMB CONDITIONS MAY BE COMBINED SUCH THAT THE
CORRESPONDING ANCHOR QUANTITIES PER THE LAYOUTS ARE USED.

- 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. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. Fy=33KSI
 - 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
 - FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL WALL TYPES.
 - HEAD ANCHORS TO SUIT SUBSTRATE, TYPE MAY VARY FROM JAMB ANCHOR

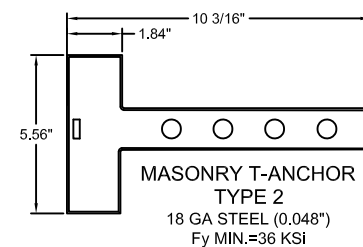
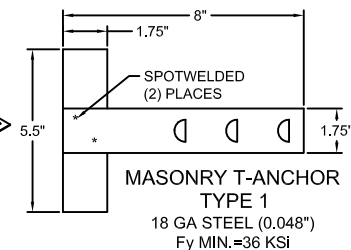
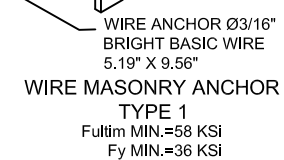


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING FOUR SIDED FRAMES ANCHOR DETAILS / INSTALLATION CONDITIONS			
DRAWN JPD	DATE 08/21/2013	SIZE FLAT		DWG NO. F9300DF	REV E
CHECKED		SCALE: NTS		AUTOCAD	FL16740
APPROVED		SHEET 10 OF		16	
ENG. APPVL					

O

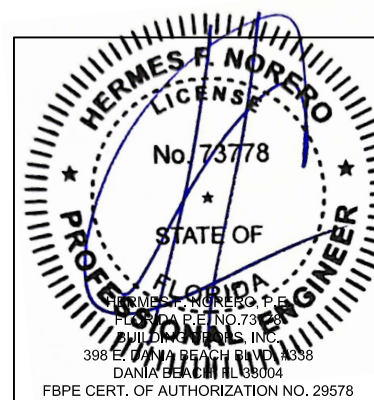


P



NOTES:

- 1.STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. Fy=33KSI
- 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. APPLY CAULK AS NEEDED.
6. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL WALL TYPES.



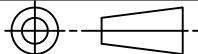
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032					
							
THIRD ANGLE PROJECTION		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL COMMERCIAL STEEL DOORS AND SCHLAGE LM9300 LOCK UP TO 8'-0"X8'-0" DOUBLE OPENING INSWING & OUTSWING FOUR SIDED FRAMES ANCHOR DETAILS / INSTALLATION CONDITIONS					
DRAWN JPD	DATE 08/21/2013						
CHECKED							
APPROVED							
ENG. APPVL		SIZE	FLAT	DWG NO. F9300DF		REV E	
		SCALE:	NTS	AUTOCAD	FL16740	SHEET 11 OF 16	

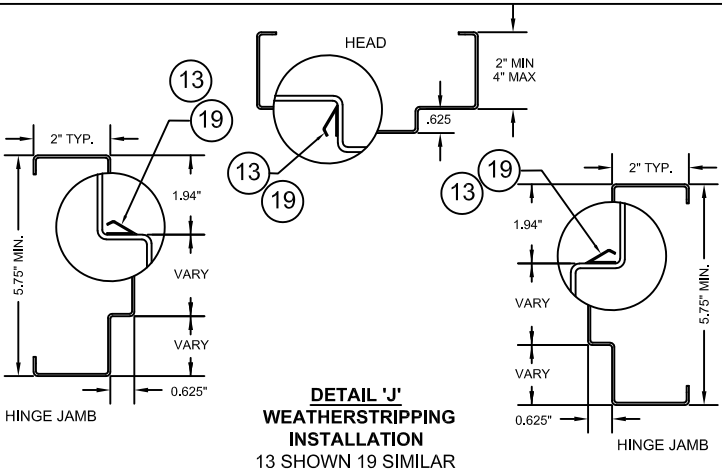
TABLE 3.

MINIMUM PERIMETER SEAL OPTIONS				
ITEM NUMBER SHT 3. TABLE 2	DESCRIPTION	MODEL No./ MANUFACTURER	PART DETAIL	INSTALLATION DETAIL
11	THRESHOLD	566/ZERO INT'L	'T1'	'K'
		950/NGP	'T2'	
		65A ZERO INT'L	'T3'	
		803V NGP	'T4'	
14	FAS-SEAL SWEEP	REPUBLIC	'S'	'K'
19 OR 13	SELF ADHESIVE DOOR SEAL	8144S, 8144FS/ZERO INT'L	'U'	'J', 'M' & 'N'
		PS074/REPUBLIC	'Q'	

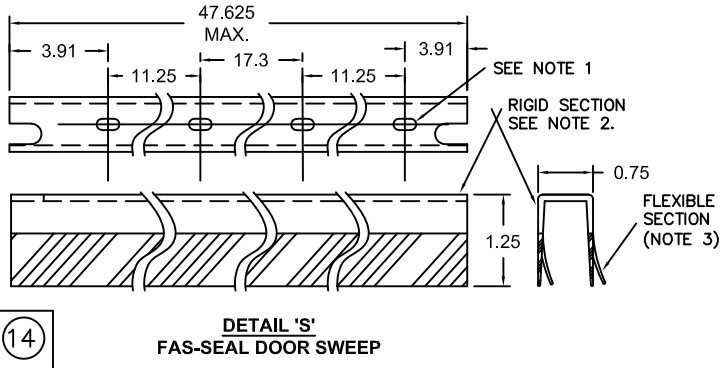
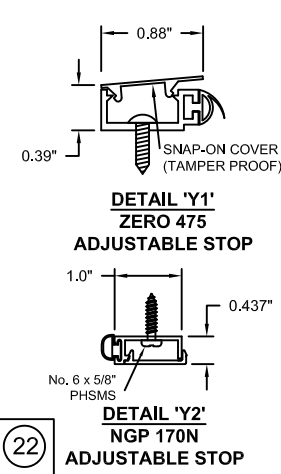
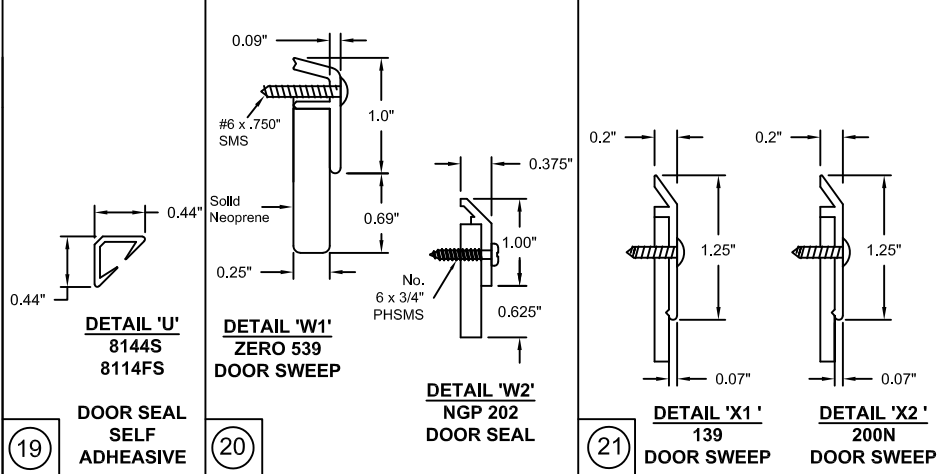
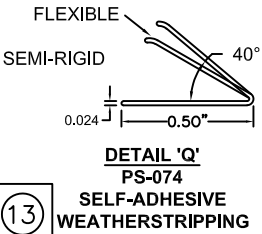
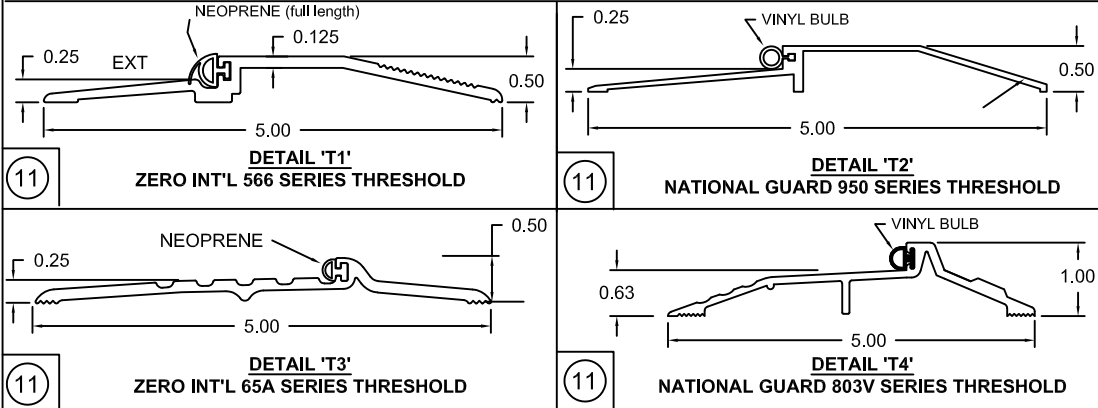
TABLE 4.

OPTIONAL PERIMETER SEALS				
ITEM NUMBER SHT. 3 TABLE 2	DESCRIPTION	MODEL No. MANUFACTURER	PART DETAIL	INSTALLATION DETAIL
20 OR 21	DOOR SWEEP	539/ZERO INT'L	'W1'	'K'
		202N/NGP	'W2'	
		139/ZERO INT'L	'X1'	
		200N/NGP	'X2'	
20	DOOR SWEEP APPLIED TO JAMBS	539/ZERO INT'L	'W1'	'N'
		202N/NGP	'W2'	
22	ADJUSTABLE STOP	475/ZERO INT'L	'Y1'	'M'
		170N/NGP	'Y2'	

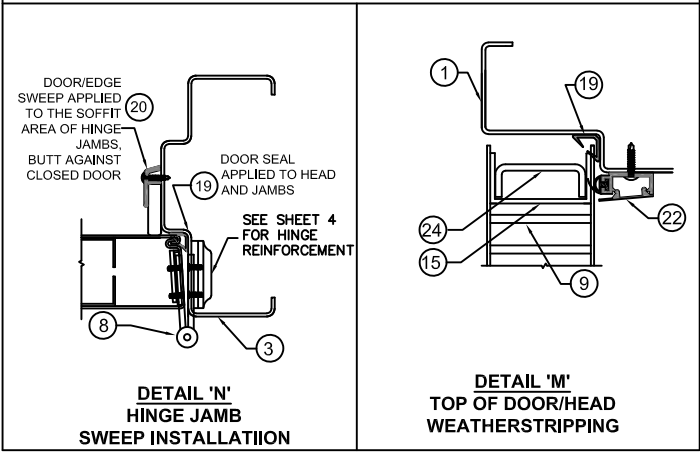
PERIMETER SEAL INSTALLATION DETAILS



PART DETAILS

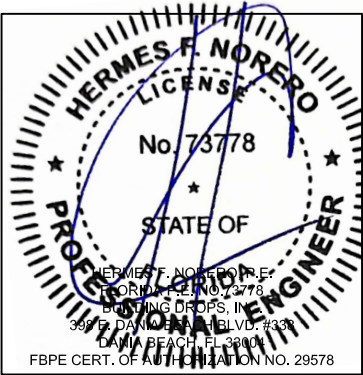


PERIMETER SEAL INSTALLATION DETAILS



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 (14), DOOR SEAL (13, 19A, 19B, 19C, 19D, 19E) AND THRESHOLD (11A, 11B, 11C) 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 (13, 19A, 19B, 19C, 19D, 19E) AND THRESHOLD (11A, 11B, 11C) AS APPLICABLE.
8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE



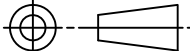
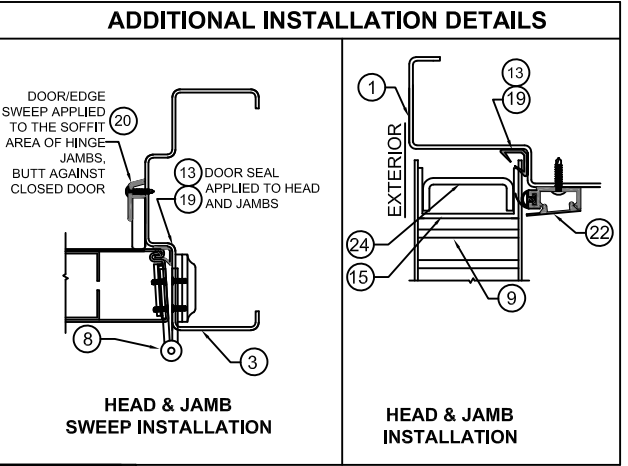
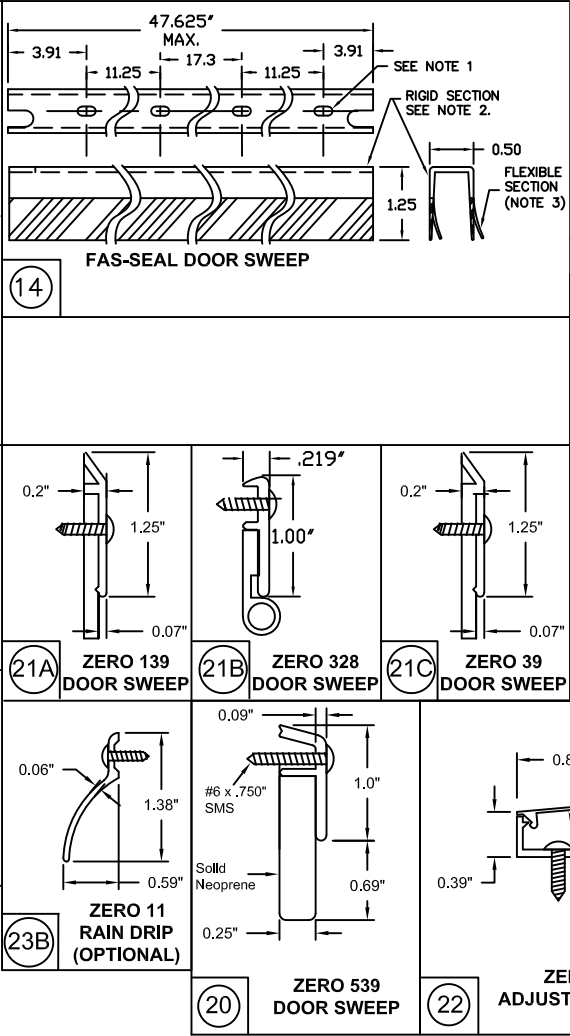
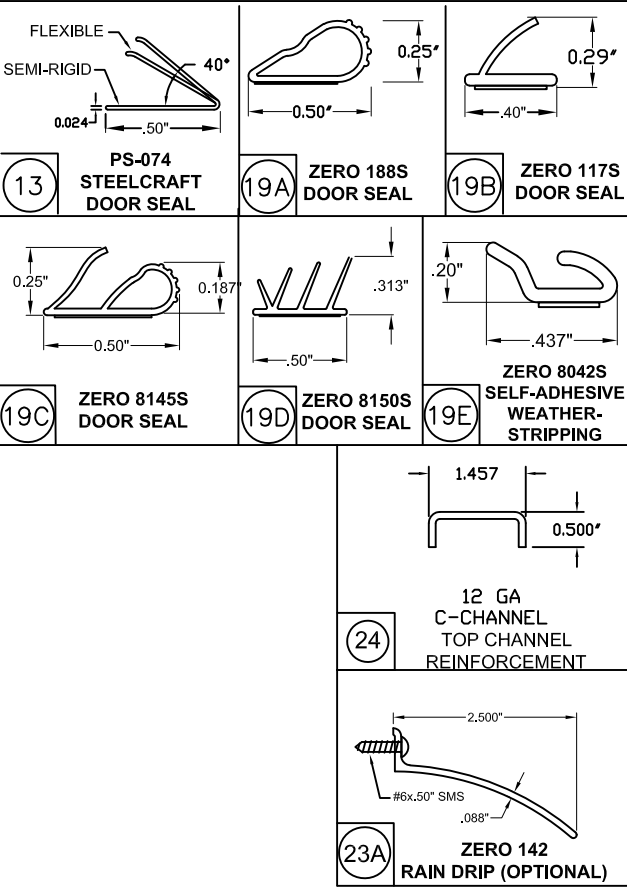
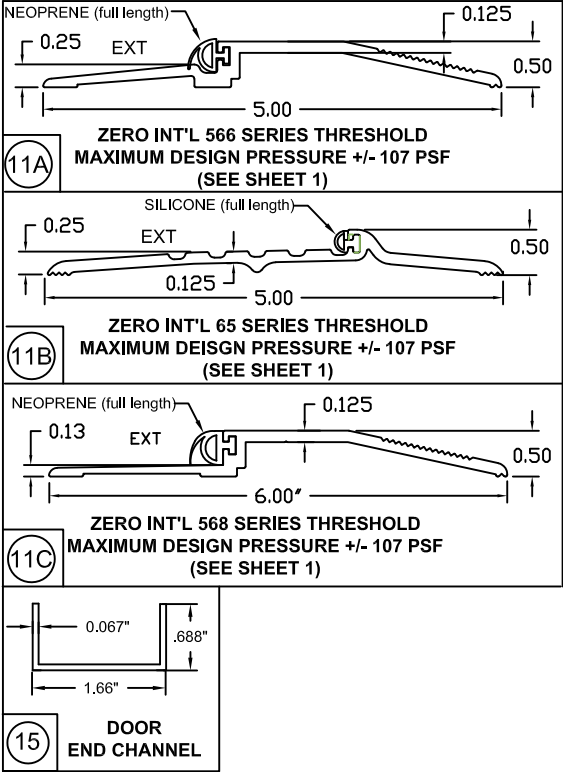
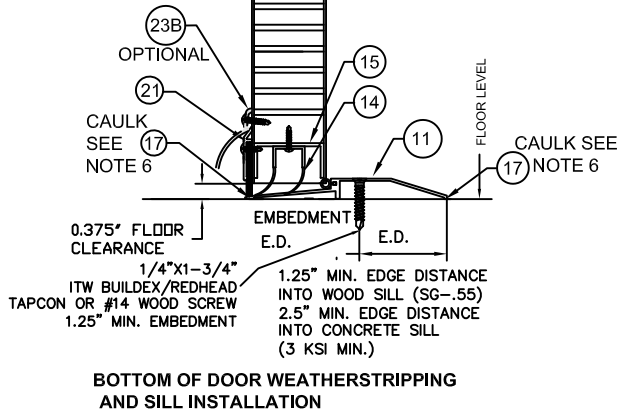
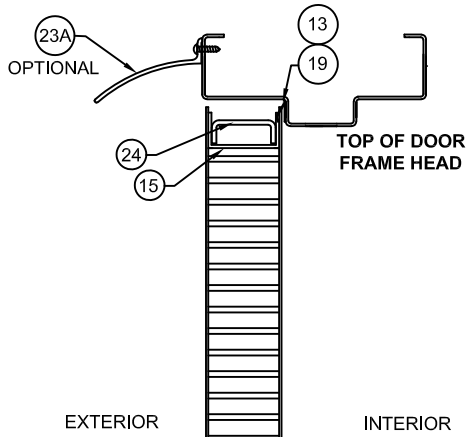
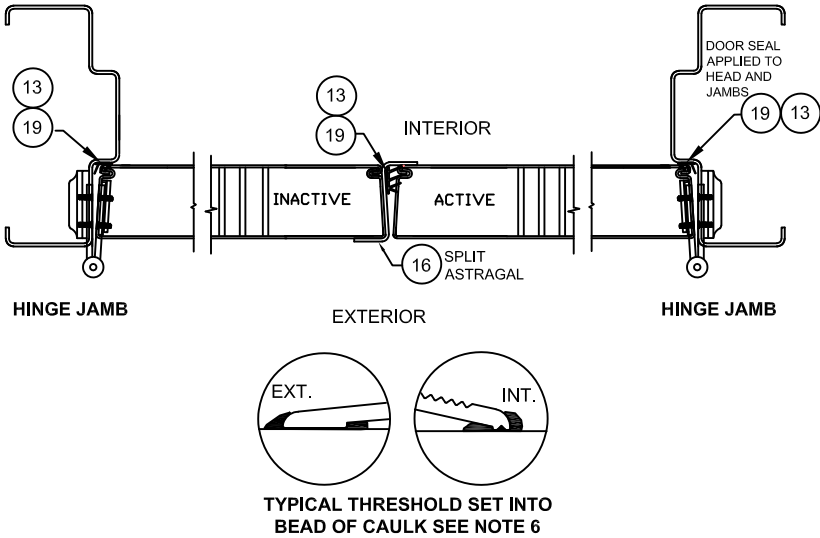
BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032						
 THIRD ANGLE PROJECTION								
DRAWN JPD		DATE 08/21/13		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING AND OUTSWING DOOR AND FRAME GASKETING AND PERIMETER SEAL HARDWARE				
CHECKED								
APPROVED				SIZE	FLAT	DWG NO. F9300DF		REV E
ENG. APPVL X		08/21/13		SCALE: NTS		AUTOCAD	FL16740	SHEET 12 of 16

TABLE 5 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11	11A 566 THRESHOLD	ZERO INT'L
	11B 65 THRESHOLD	ZERO INT'L
	11C 568 THRESHOLD	ZERO INT'L
13	PS074 DOOR SEAL	STEELCRAFT
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
16	Z ASTRAGAL	STEELCRAFT
19	19A 188S DOOR SEAL	ZERO INT'L
	19B 117S DOOR SEAL	ZERO INT'L
	19C 8145S DOOR SEAL	ZERO INT'L
	19D 8150S DOOR SEAL	ZERO INT'L
	19E 8042S DOOR SEAL	ZERO INT'L
20	539 DOOR SWEEP	ZERO INT'L
21A	139 DOOR SWEEP	ZERO INT'L
21B	328 DOOR SWEEP	ZERO INT'L
21C	39 DOOR SWEEP	ZERO INT'L
22	475 ADJUSTABLE STOP	ZERO INT'L
23A	142 RAIN DRIP	ZERO INT'L
23B	11 RAIN DRIP	ZERO INT'L

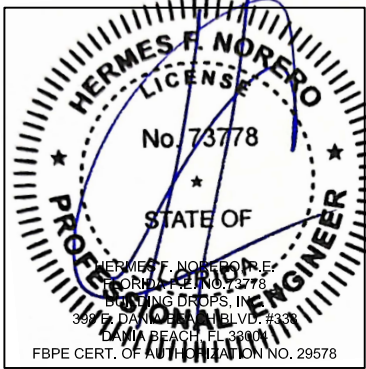


ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED
MAXIMUM DESIGN PRESSURE RATING 107 PSF -
MAXIMUM DOOR SIZE 4'-0" X 8'-0" (SEE ELEVATION SHEET 1)

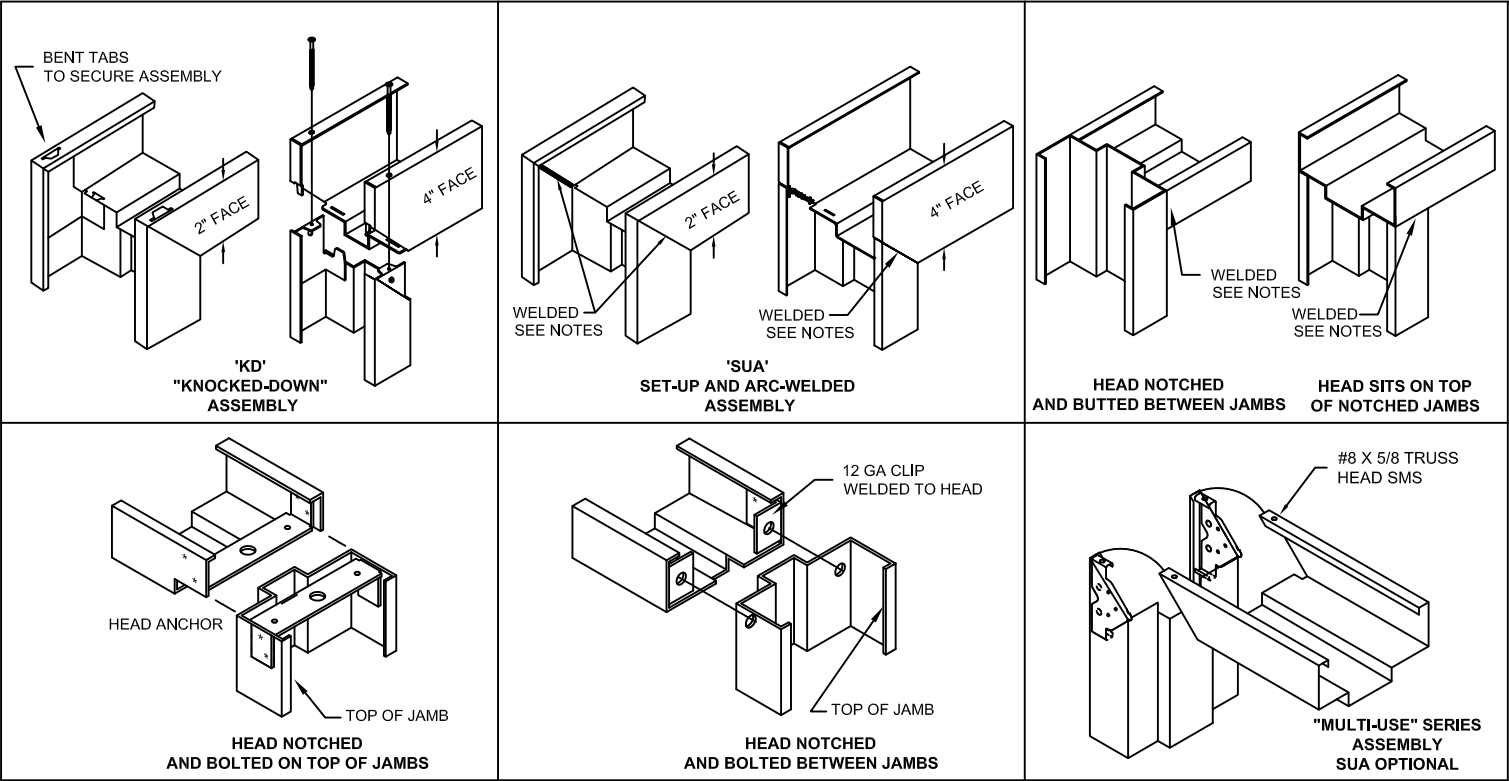


NOTES:

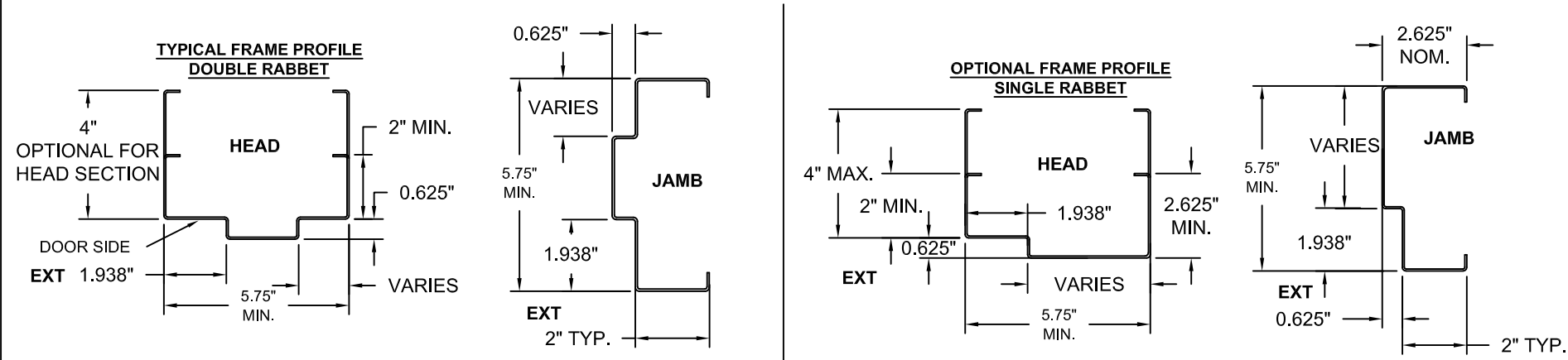
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (14), DOOR SEAL (13, 19A, 19B, 19C, 19D, 19E) AND THRESHOLD (11A, 11B, 11C) 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 (13, 19A, 19B, 19C, 19D, 19E) AND THRESHOLD (11A, 11B, 11C) 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: FLORIDA BUILDING CODE PRODUCT APPROVAL			
DRAWN JPD		DATE 08/21/13		COMMERCIAL STEEL DOORS & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING AND OUTSWING DOOR AND FRAME GASKETING AND PERIMETER SEAL HARDWARE	
CHECKED		APPROVED		SIZE FLAT	DWG NO. F9300DF
ENG. APPVL X		08/21/13		SCALE: NTS	REV E
		AUTOCAD		FL16740	SHEET 13 of 16



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



AVAILABLE DOOR PANEL CONFIGURATIONS

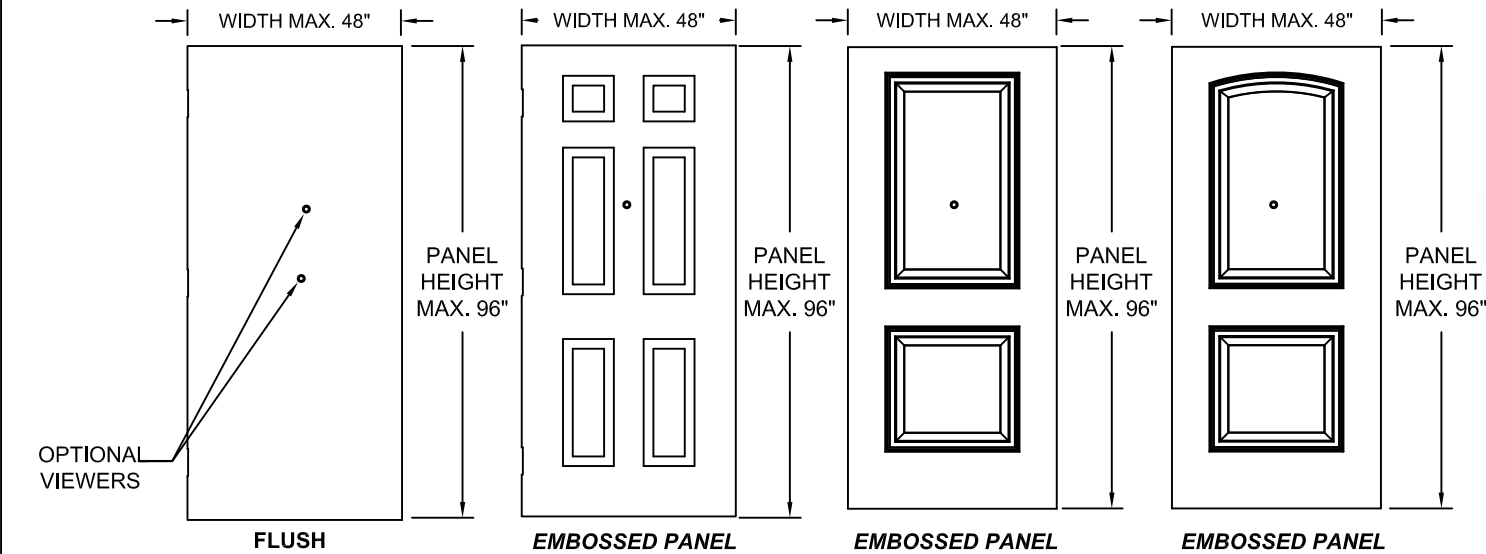


TABLE 6. AVAILABLE STEELCRAFT H-SERIES DOOR CONFIGURATIONS

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	8'-0"	8'-0"	CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	8'-0"	8'-0"	STAINLESS STEEL	16/.053"

TABLE 7. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

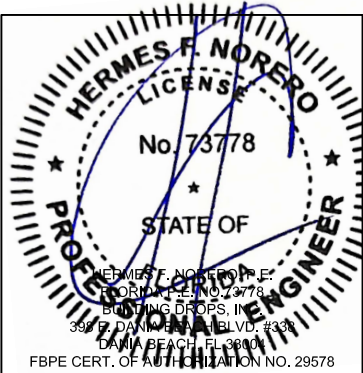
FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	8'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" MIN.	8'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067"

TABLE 8. STEEL MECHANICAL PROPERTIES

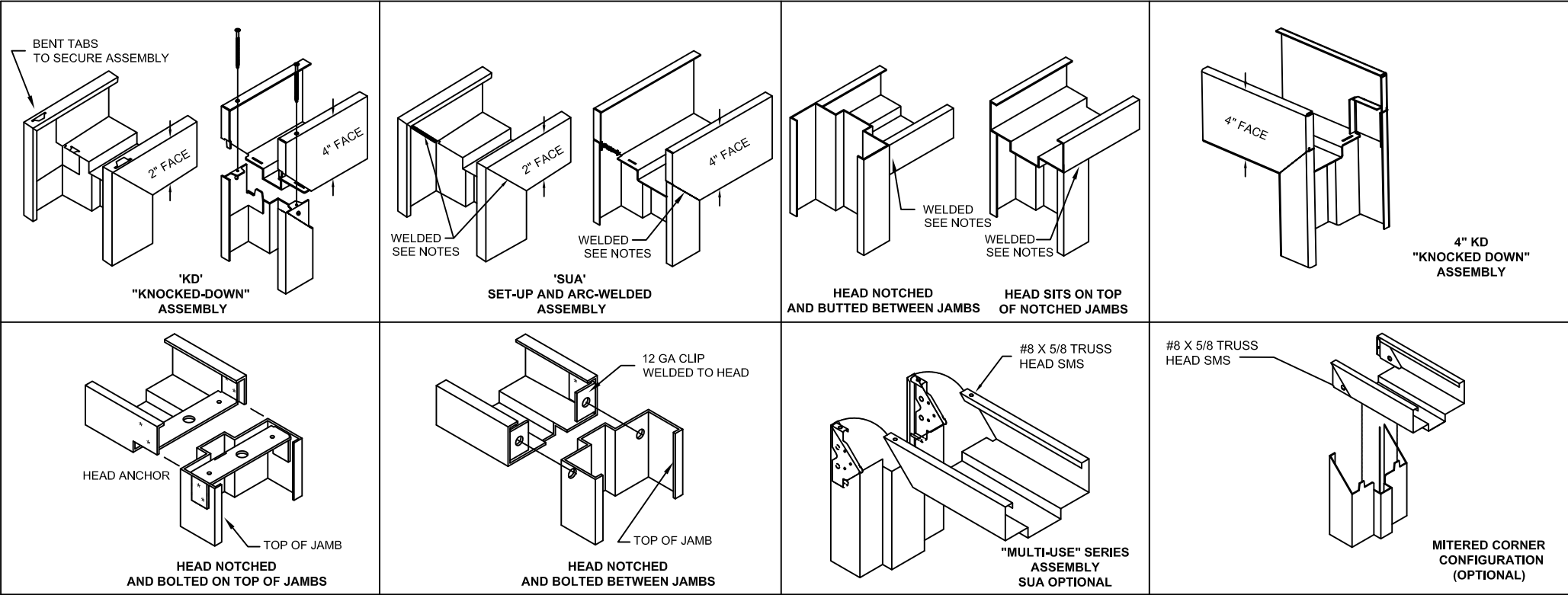
MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A1008	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A653/A924	MIN. 42.6	MIN. 73.2
SS:304,316	A240/A480		

NOTES:
1. DOOR CONSTRUCTION
1.1. NOMINAL DOOR THICKNESS - 1 3/4"
1.2. MAXIMUM DOOR SIZE IS 8' X 8' FOR DOUBLE OPENING
1.3 FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 8.
1.4 DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN PRESSURE OF +/-75 PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION (MAX 2 PER DOOR)

2. FRAME CONSTRUCTION
2.1. NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
2.2. FRAMES AVAILABLE (SEE TABLE 7)
2.3 FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 8.



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL			
DRAWN YMF	DATE 05/20/07	STEELCRAFT DOORS AND FRAMES & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING & OUTSWING FRAME PROFILE, CORNER DEATILS, DOOR AND FRAME MATERIAL AND SIZE OPTIONS			
CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED		F9300DF			E
ENG. APPVL JPD	10/12/07	SCALE:	NTS	AUTOCAD	FL16740
		SHEET 14 OF 16			



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

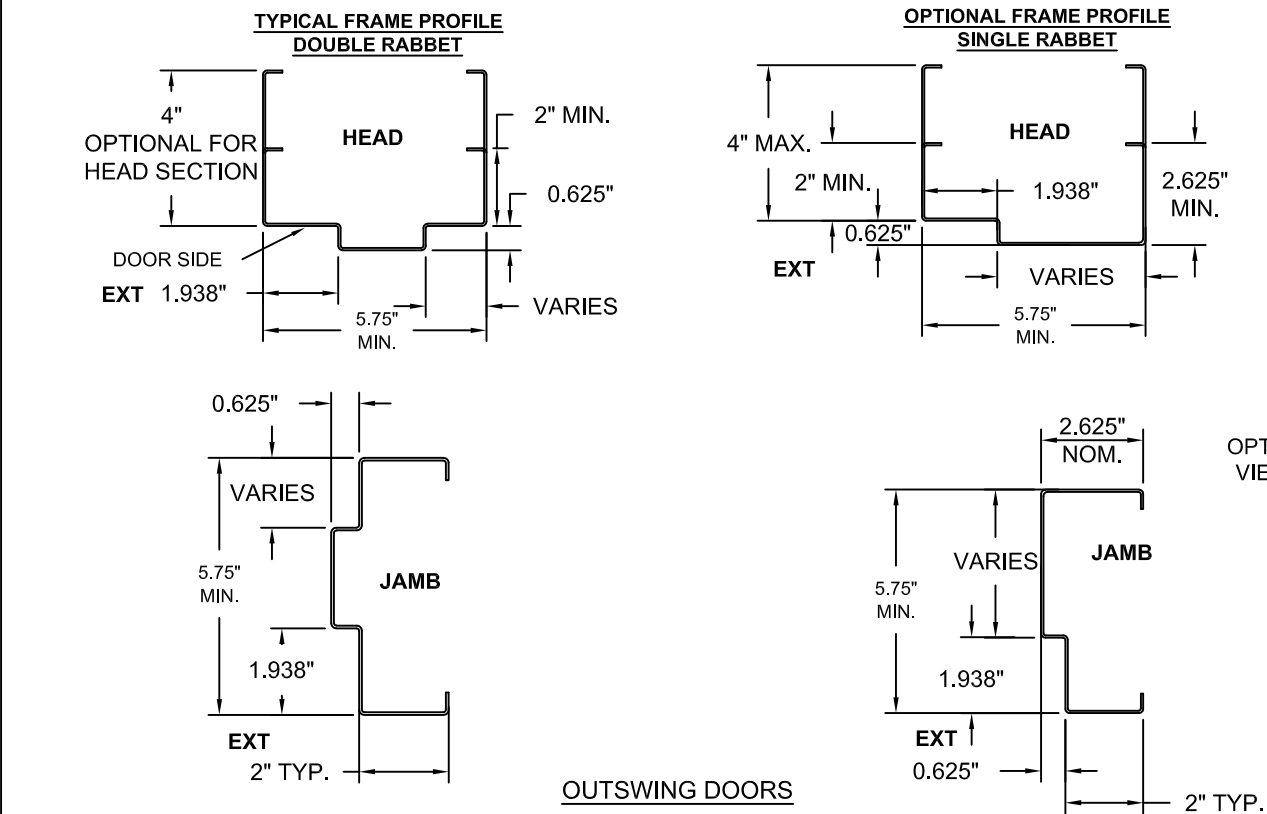
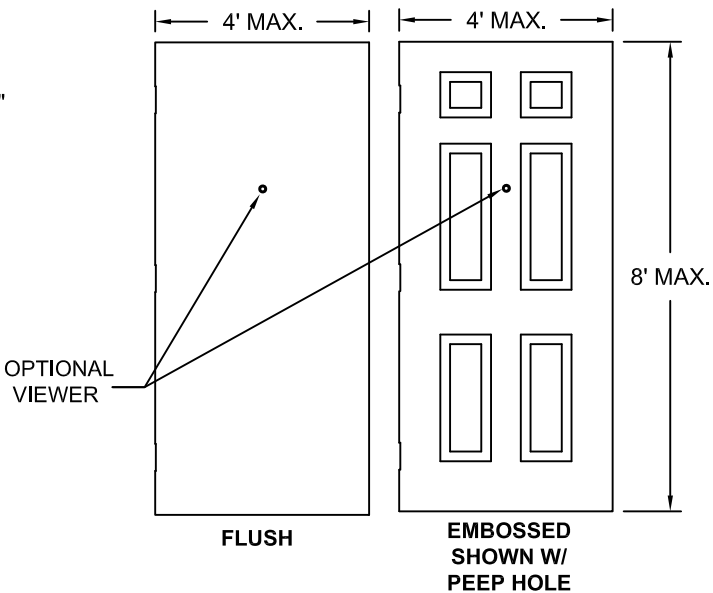


TABLE 12. STEEL MECHANICAL PROPERTIES			
MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A1008	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A653/A924		
SS:304,316	A240/A480	MIN. 31.2	MIN. 73.2

AVAILABLE DOOR PANEL CONFIGURATIONS



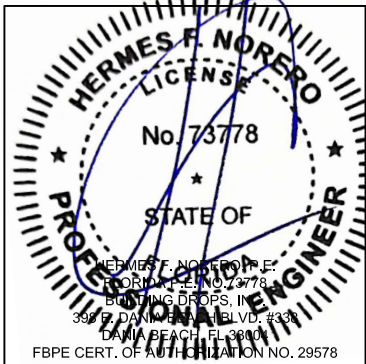
- NOTES:
- DOOR CONSTRUCTION
 - NOMINAL DOOR THICKNESS - 1 3/4"
 - MAXIMUM DOOR SIZE IS 8' X 8' FOR DOUBLE OPENING
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 12.
 - DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN PRESSURE OF +/-75 PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION. MAX. 2 PER DOOR
 - FRAME CONSTRUCTION
 - NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - FRAMES AVAILABLE (SEE TABLE 11)
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 12.

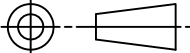
TABLE 10. AVAILABLE REPUBLIC DOOR CONFIGURATIONS

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	8'-0"	8'-0"	CRS. GALV.	16 ga./.053"
DE		8'-0"	8'-0"	CRS. GALV.	16 ga./.053" 14 ga./.067"

TABLE 11. AVAILABLE REPUBLIC FRAME CONFIGURATIONS

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



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				
						
THIRD ANGLE PROJECTION		TITLE: FLORIDA BUILDING CODE PRODUCT APPROVAL REPUBLIC DOORS AND FRAMES & SCHLAGE LM9300 LOCK UP TO 8'0"X8'0" DOUBLE OPENING INSWING & OUTSWING FRAME PROFILE, CORNER DEATILS, DOOR AND FRAME MATERIAL AND SIZE OPTIONS				
DRAWN YMF	DATE 05/20/07					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. F9300DF		REV E
ENG. APPVL JPD	10/12/07	SCALE:	NTS	AUTOCAD	FL16740	SHEET 16 OF 16