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ALLEGION - SCHLAGE LOCK COMPANY, LLC.

INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES

THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

GENERAL NOTES:

- 1. THESE PRODUCTS COMPLY WITH THE CURRENT FLORIDA BUILDING CODE AND HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201, 202, & 203-94 AND ASTM E1886-13A, E1996-14A & E330-14.
- 2. THE DOORS ARE LARGE MISSILE IMPACT RATED.
- 3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.
- 4. ASSEMBLIES MEET FBC AIR INFILTRATION REQUIREMENTS.

NOTES:

- 1. ANCHOR REQUIREMENTS: SEE SHTS. 7 - 14 FOR ANCHORS AND INSTALLATION.
- 2. HINGE REQUIREMENTS: 4.5" STD WT. MIN.
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.
- 3. SEE SHTS. 2, 3, 17 & 19 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
- 4. INSTALLATION HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATIONS INSTRUCTIONS OR AS REQUIRED BY THIS APPROVAL.
- 5. 4" FACE HEAD IS AVAILABLE WHEN GROUTED FULL.
- 6. APPLY CAULK AS NEEDED.
- 7. WEATHERSTRIPPING
-INSTALL PER SHTS. 15 & 16
- 8. SEE SHT. 4 FOR SECTION A-A AND B-B.
- 9. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY. FIRE RATING NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.
- 10. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTAL MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND DOES NOT EFFECT THE MECHANICAL PROPERTIES OF HARDWARE AND OR INHIBIT EGRESS. TO BE REVIEWED BY THE BUILDING OFFICIAL.

CONSTRUCTION NOTES:

- 1. DOOR CONSTRUCTION
 - 1.1. NOMINAL DOOR THICKNESS - 1 3/4"
 - 1.2. DOORS AVAILABLE IN FLAT AND EMBOSSED SURFACE MODELS
 - 1.3. ALL DOORS ARE FLUSH - NO LITES OR LOUVERS APPROVED
 - 1.4. DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN RATING OF +/-75 PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION. MAXIMUM 2 VIEWERS PER DOOR.
- 2. FRAME CONSTRUCTION
 - 2.1. MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - 2.2. STEELCRAFT FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 6, SHT. 17). REPUBLIC DOOR FRAME OPTIONS AVAILABLE AS ME-SERIES AND SE-SERIES (SEE TABLE 10, SHT. 19).
- 3. FOR STEELCRAFT DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 7, SHT. 17. FOR REPUBLIC DOORS DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 11 SHT. 19.
- 4. FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 17 & 19 FOR DETAIL.

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)

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12	4-SIDED FRAME ANCHORS - EXISTING MASONRY JAMB ANCHOR W/ LAG SCREW INTO WOOD STUD WALL & INTO CONCRETE WALL OR CMU
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16	GASKETING DETAILS - PERIMETER SEAL CONT.
17	FRAME DETAILS & CORNER CONSTRUCTION
18	REPUBLIC DOORS: DOUBLE DOORS INSWING & OUTSWING CONFIGURATIONS
19	REPUBLIC DOORS: FRAME DETAILS & CORNER CONSTRUCTION



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PH: (317) 715-4073

TITLE: INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

GENERAL NOTES & DESIGN PRESSURE TABLE

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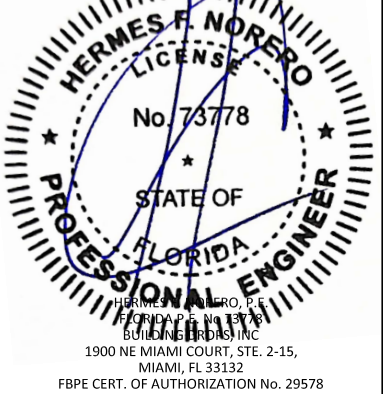
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Reason: I am approving this document
Date: 2026.02.08 18:22:57 -05'00'



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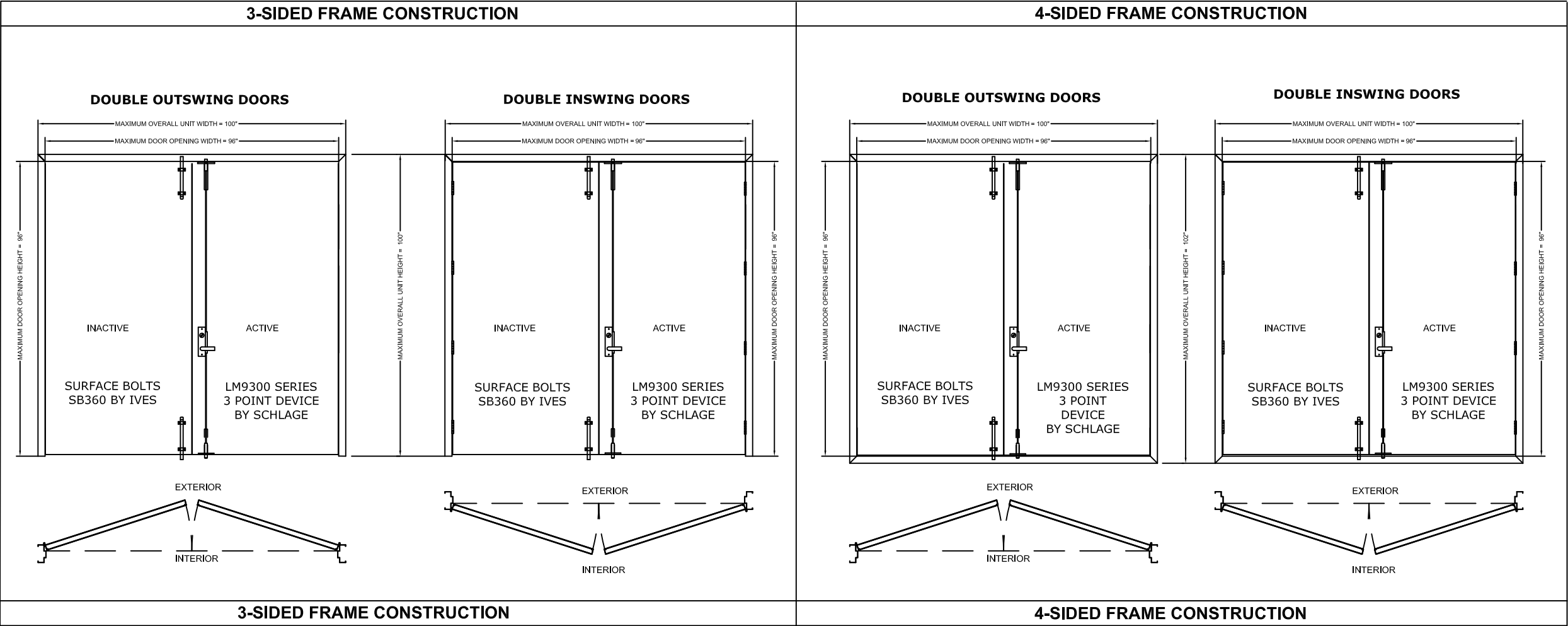
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STEELCRAFT DOUBLE OPENING INSWING
& OUTSWING ELEVATION DETAILS

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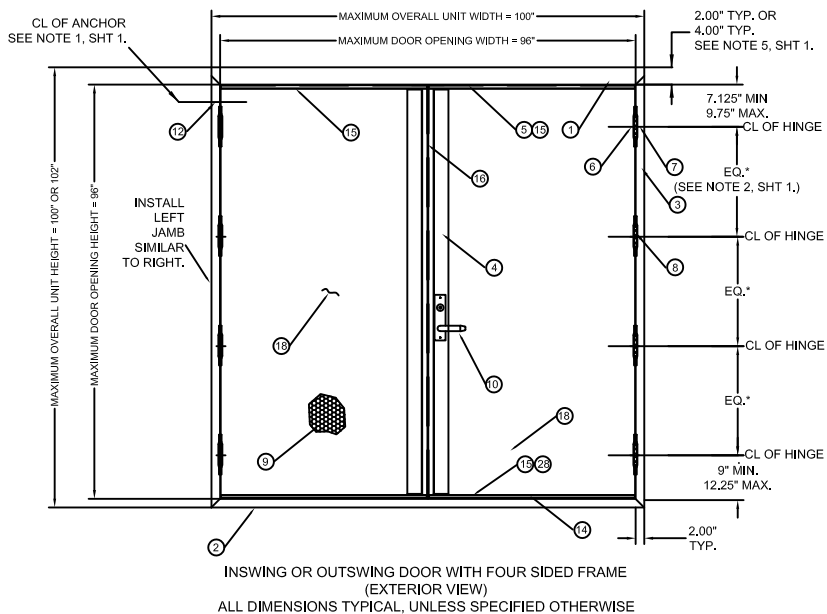
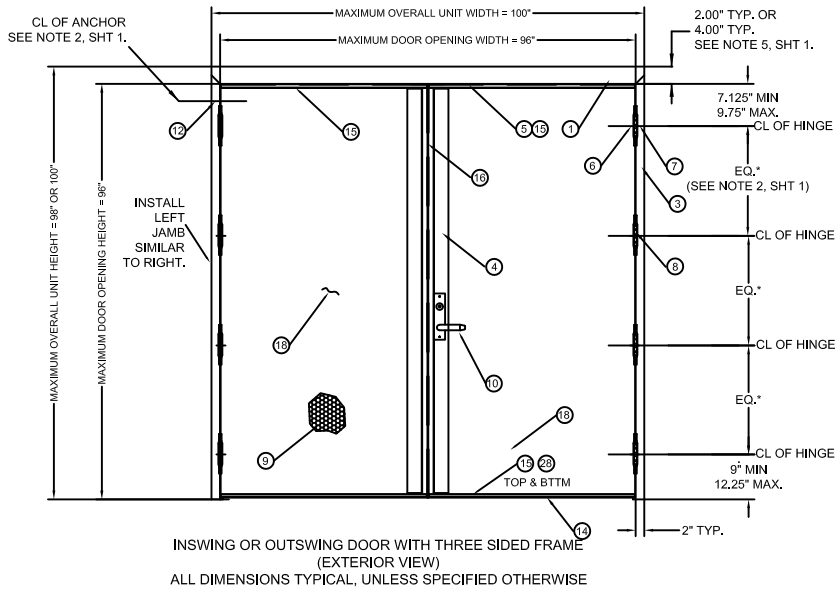


TABLE 1 (SEE TABLE 8, SHEET 18 FOR OPTION 2 CONFIGURATION)

	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD (SEE SHT. 17)	.053\" MIN. STL	MAX. 100"
2	1	SILL JAMB (SEE SHT. 17)	.053\" MIN. STL	MAX. 100\" HEIGHT.
3	2	HINGE JAMB (SEE SHT. 17)	.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, SHT. 1	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, SHT. 1	4.5\" MIN. BUTT HINGES (SEE SHT. 5)	.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 5)	.067\" MIN. STL.12 ALUM	MAX. 95"
9	2	CORE MATERIAL (SHT 6):	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 THRESHOLD SILL W/BUMPER GASKET (SEE SHTS. 15 & 16)		
11	1	1) ZERO 11A-T1)566A, 11B-T3)65A, 11C)568 2) NAT'L GUARD T2)950A, T4)803V	ALUM. 6063 T5 ALUM. 6063 T5	96\" MAX.
12	NOTE 2, SHT. 1	JAMB ANCHOR	SEE SHTS. 7 - 14	
13	1	PS074 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	CAULK - BUTYL RUBBER OR SILICONE		
18	2	DOOR SLAB (16 OR 14 GA)	SEE SHT. 17	48\" X 96\" MAX.
19	1	BY ZERO INT'L SEAL A)188S, B)117S, C)8145S, D)8150S, E)8042S		MAX. 24'
		BY NGP DOOR SEAL No.5020	SILICONE	
20	2	BY ZERO INT'L DOOR SWEEP No.539 BY NGP DOOR SWEEP No.202N		MAX. 96"
		BY NGP DOOR SWEEP No.200N	TPE	
21	2	BY ZERO INT'L DOOR SWEEP A)139, B) 328, C)39		MAX. 48"
		BY NGP DOOR SWEEP No.200N	SEE SHTS. 16 & 17	
22	2	BY ZERO INT'L ADJUSTABLE STOP No.475 BY NGP ADJUSTABLE STOP No.170N		MAX. 48"
		BY NGP ADJUSTABLE STOP No.170N	TPE	
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	48\" MAX.
25	2	IVES SB360 SURFACE BOLT	STEEL	12\" MIN. - 24\" MAX. LENGTH
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		



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STEELCRAFT DOUBLE OPENING
INSWING & OUTSWING
CONFIGURATIONS

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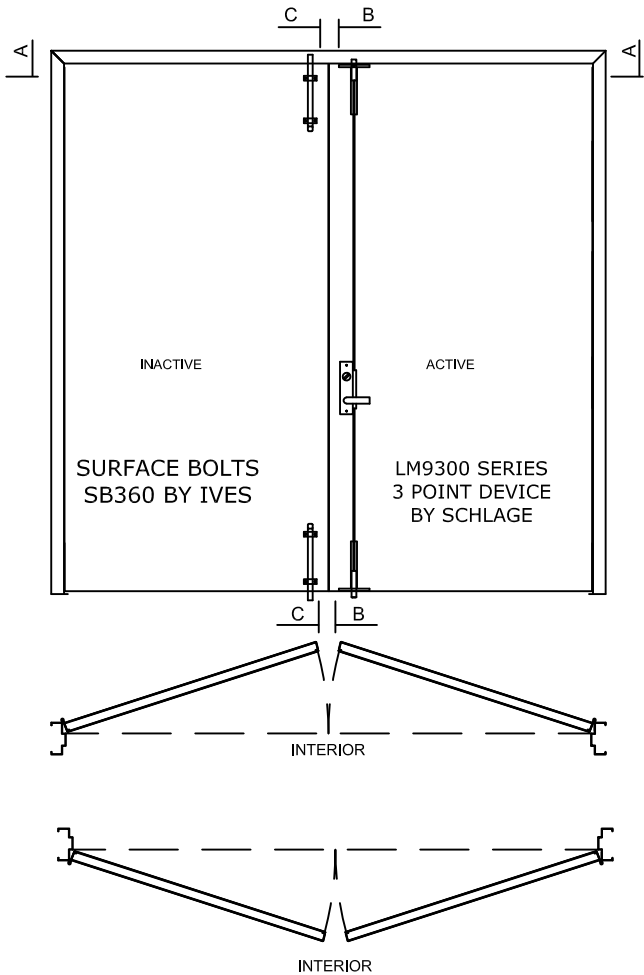
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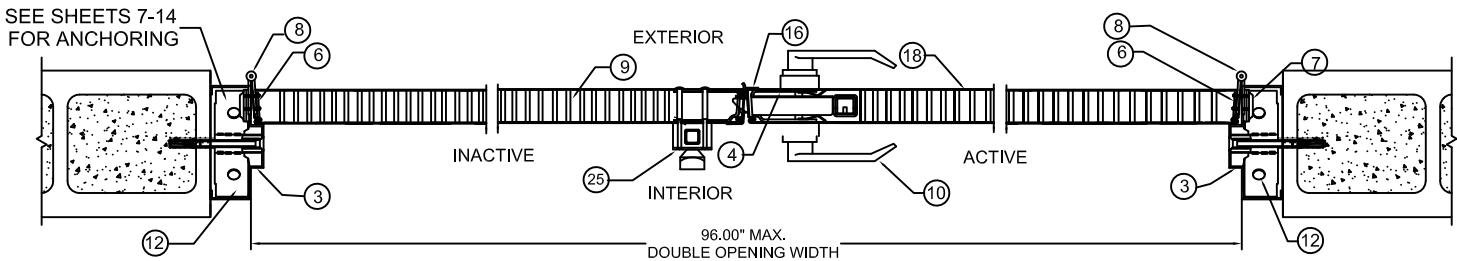
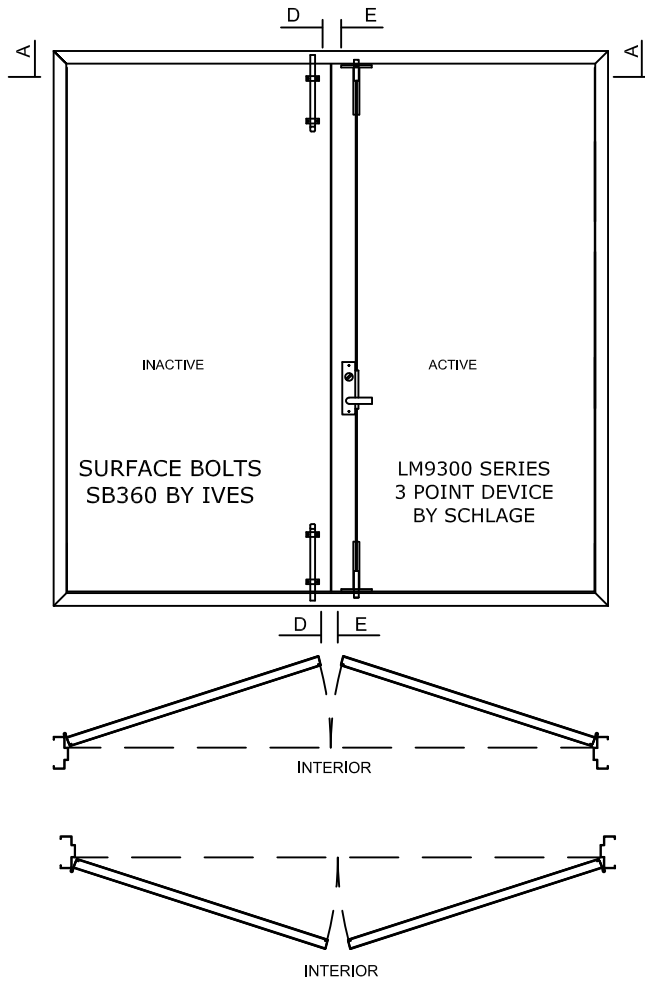
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DOUBLE DOORS WITH THREE-SIDED FRAME

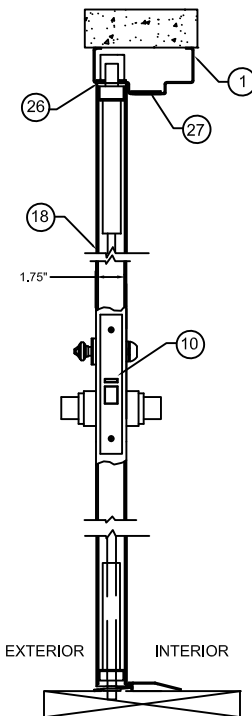


DOUBLE DOORS WITH FOUR-SIDED FRAME

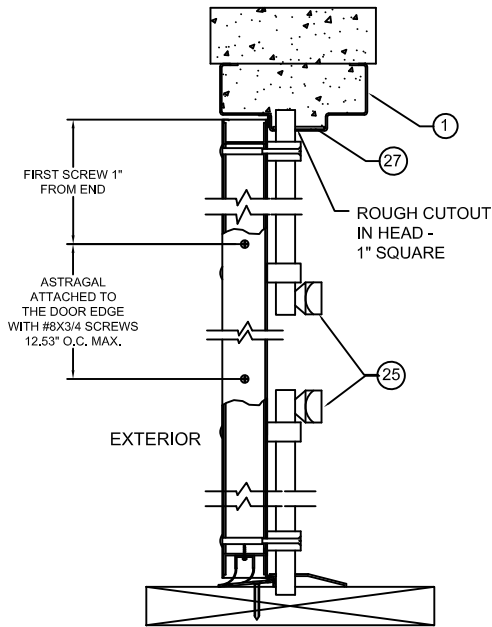


SECTION A-A
LM9300 ON ACTIVE LEAF AND
360 SURFACE BOLTS ON INACTIVE LEAF

NOTE: OUTSWING APPLICATION
SHOWN, INSWING SIMILAR.

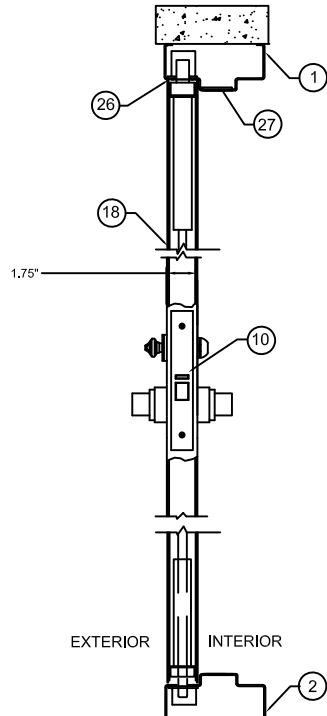


SECTION B-B
ACTIVE LEAF WITH
THREE POINT DEVICE
3-SIDED FRAME

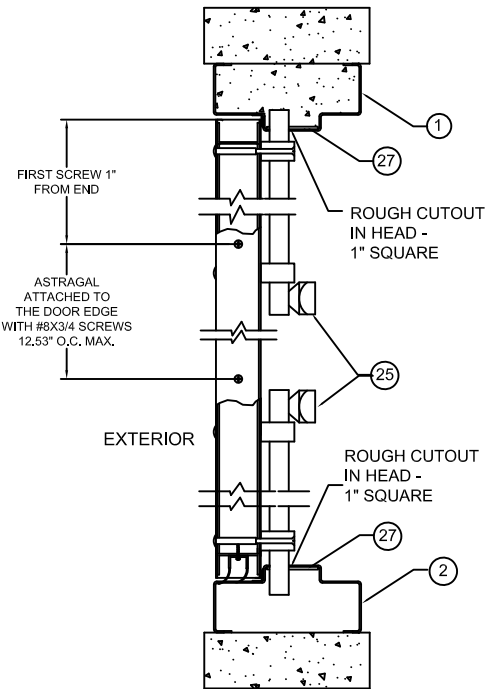


SECTION C-C
INACTIVE LEAF WITH IVES 360
SURFACE BOLTS
IN TOP AND BOTTOM
3-SIDED FRAME

NOTE: OUTSWING APPLICATION
SHOWN, INSWING SIMILAR.



SECTION E-E
ACTIVE LEAF WITH
THREE POINT DEVICE
4-SIDED FRAME



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



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STEELCRAFT DOUBLE OPENING
INSWING & OUTSWING SECTION
VIEWS

PREPARED BY:

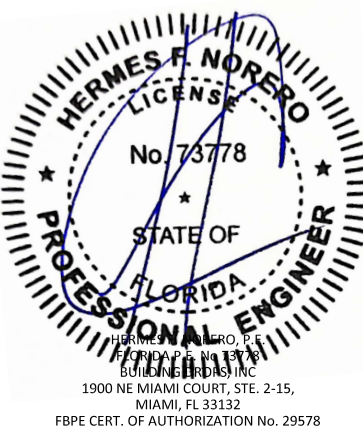
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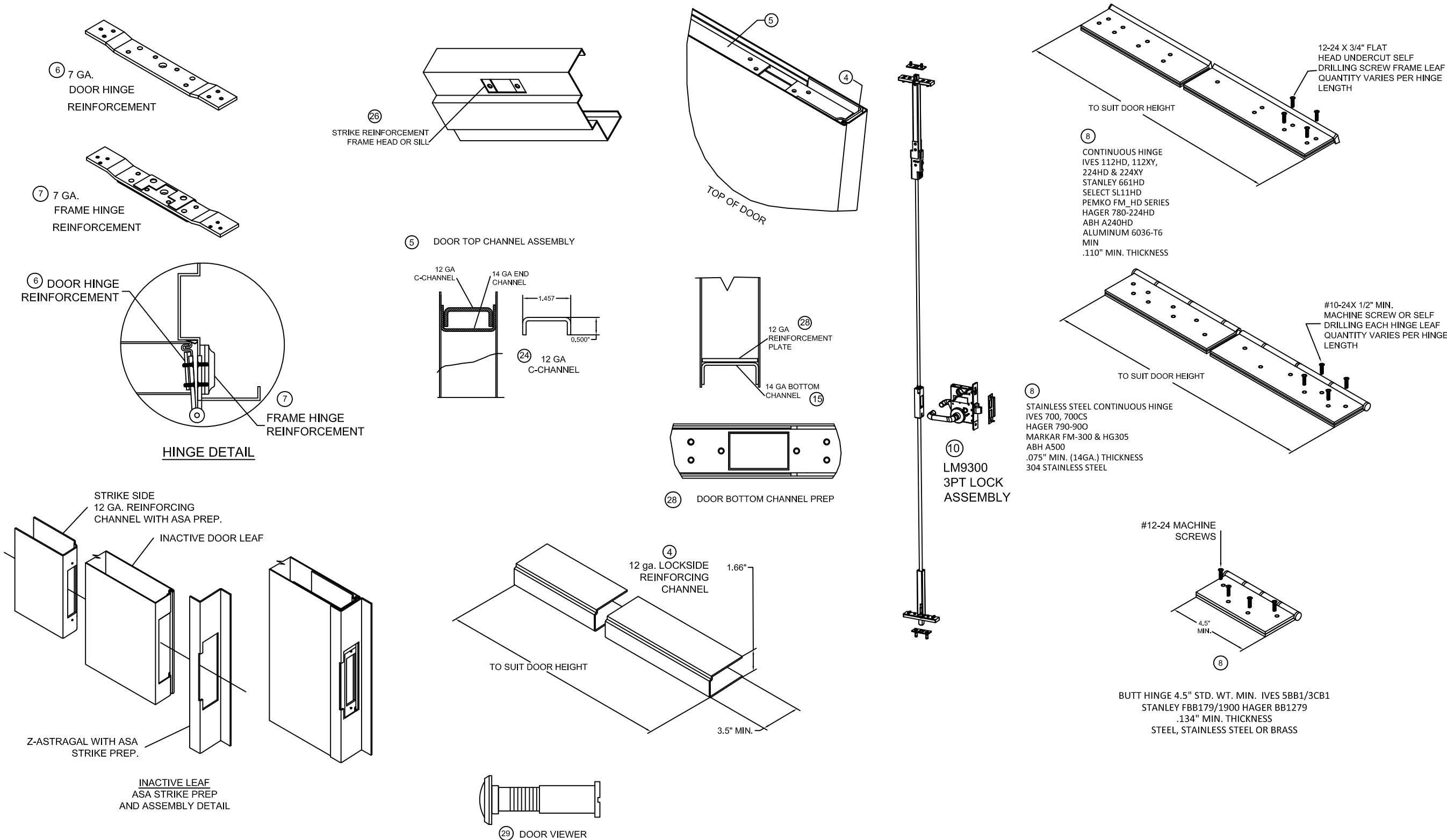


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NOTES:
1. SEE SHTS. 2, 3, 4, 17, 18 & 19 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHTS. 7-14 FOR ANCHORING INFORMATION
3. SEE SHTS. 17 & 19 FOR FRAME PROFILE
4. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS
5. HEAD SECTION CAN HAVE 4" FACE DIMENSION WHEN IT'S GROUTED WITH CONCRETE

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.
4. BUTT AND CONTINUOUS HINGES MAY INCLUDE ELECTRICAL THROUGH-WIRE, POWER TRANSFER AND MONITORING.
5. DOORS AND FRAMES DO NOT REQUIRE ADDITIONAL REINFORCEMENT WITH A CONTINUOUS HINGE.



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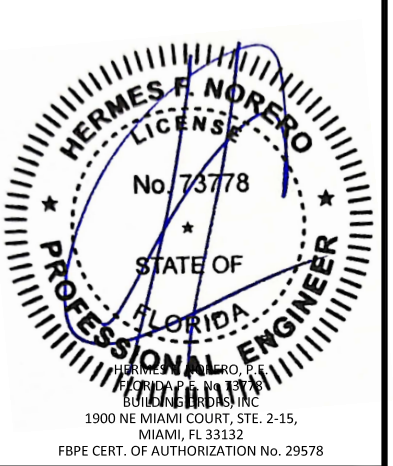
LOCKING HARDWARE, REINFORCEMENTS & HINGE DETAILS

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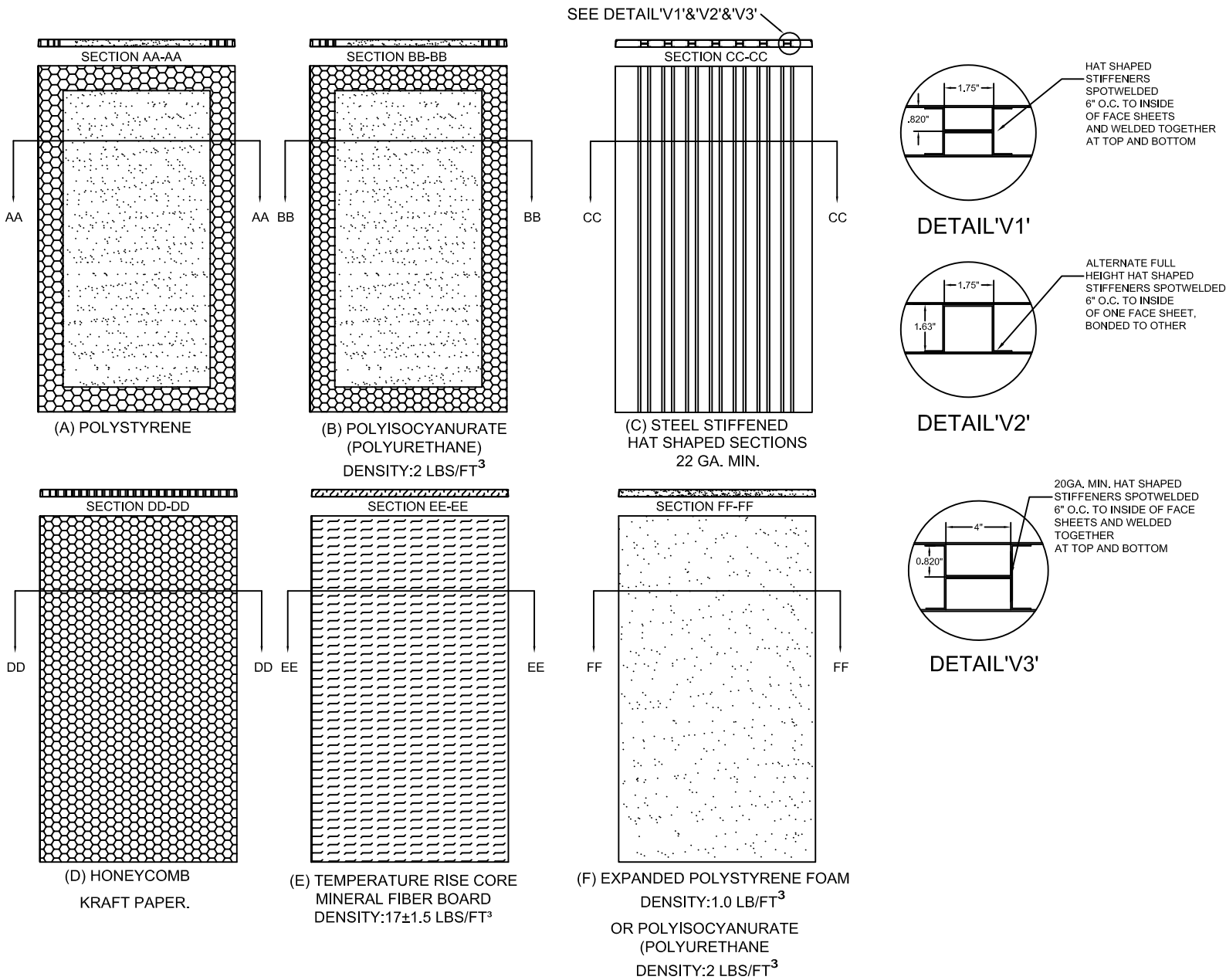
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NOTES:
1. CORE MATERIAL SHOWN WITHOUT DOOR CUTOUTS AND REINFORCEMENTS.



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CORE OPTIONS

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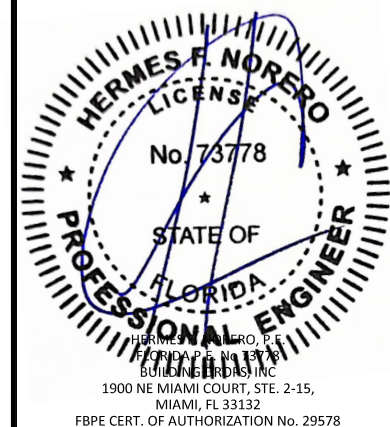
3-SIDED FRAME ANCHORS - WIRE MASONRY JAMB ANCHOR INTO GROUT FILLED FRAME AND GROUT FILLED BLOCK WALL

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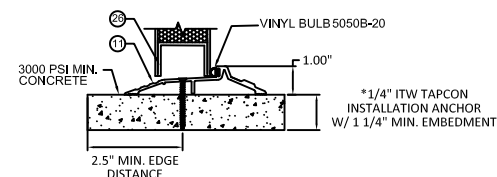
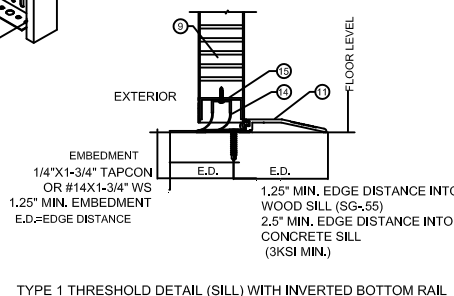
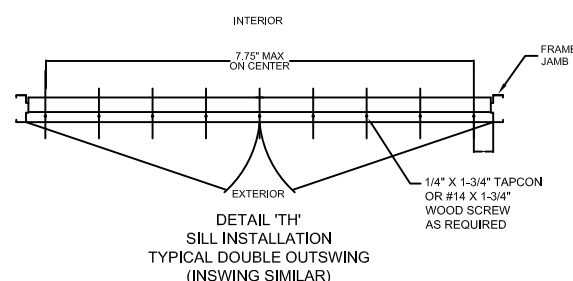
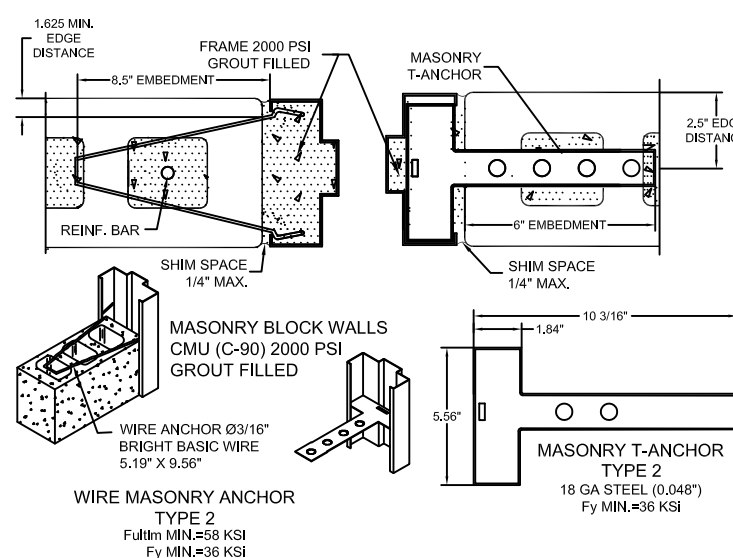
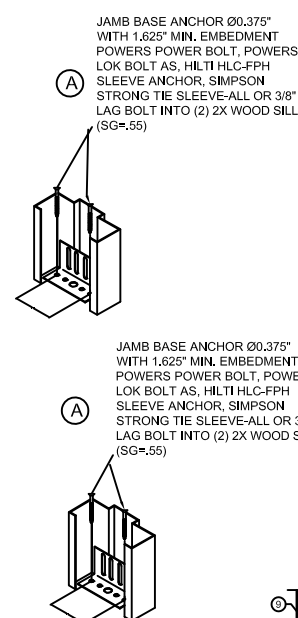
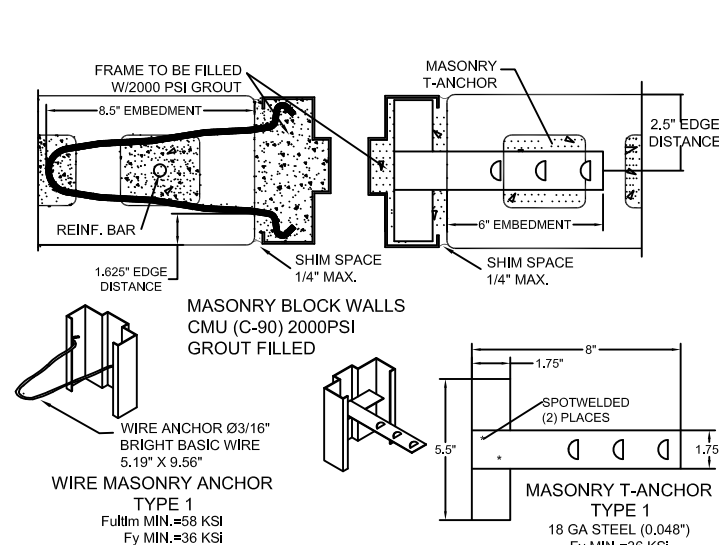
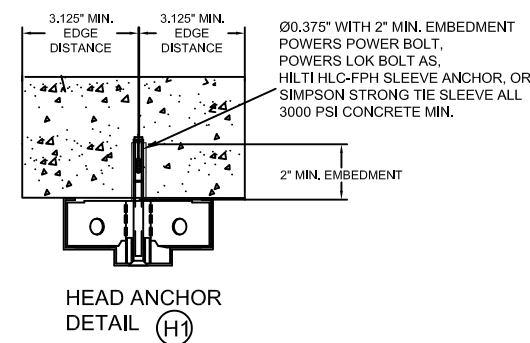
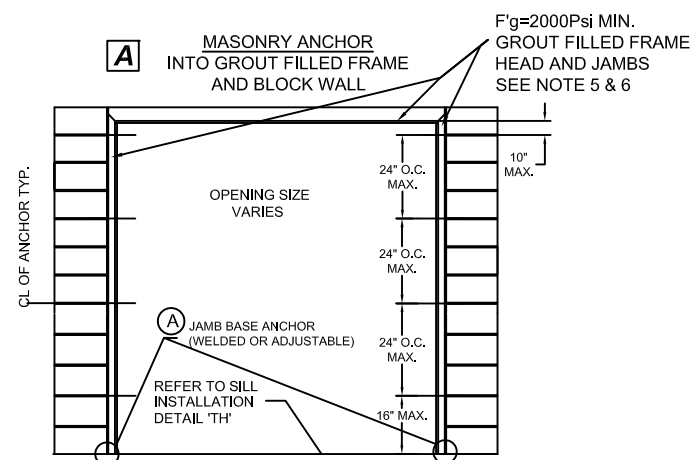
SCALE: NTS

DWG. #: F9300DF

SHEET:

7

OF 19

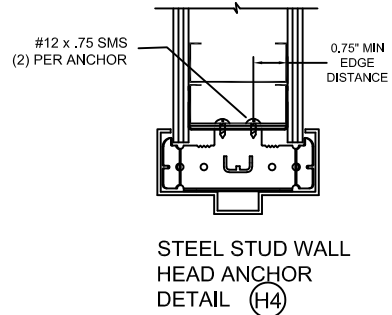
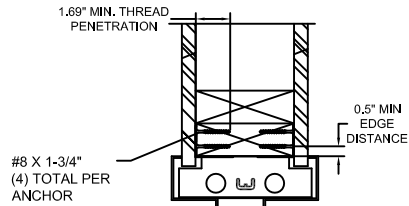
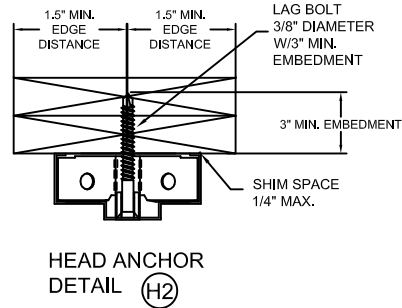
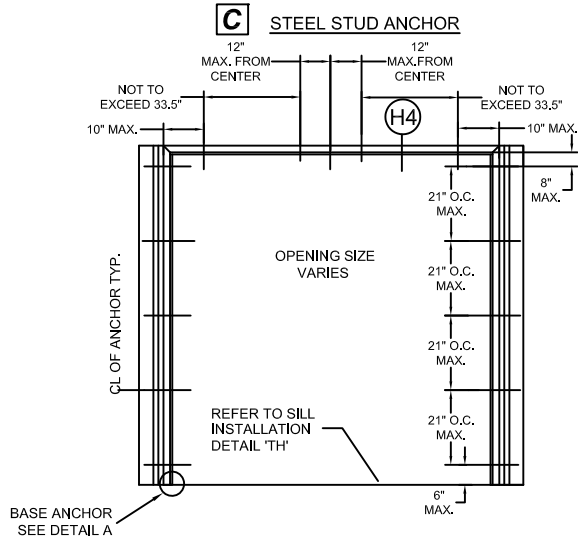
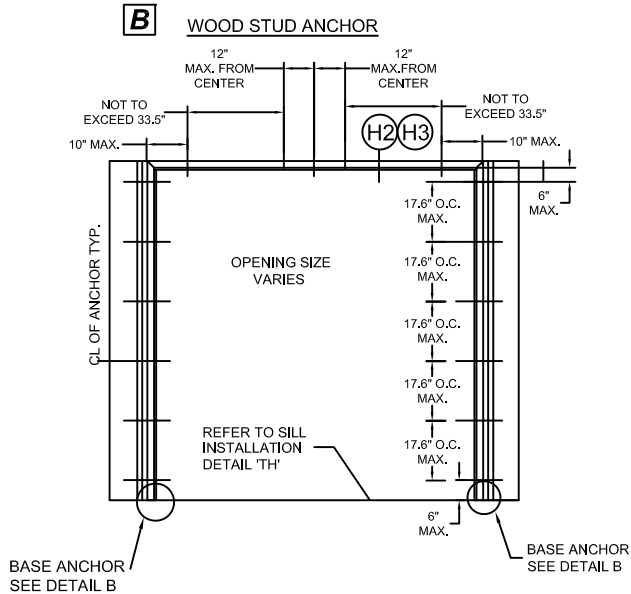


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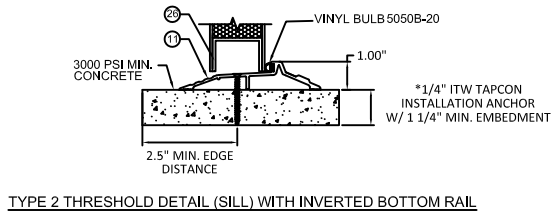
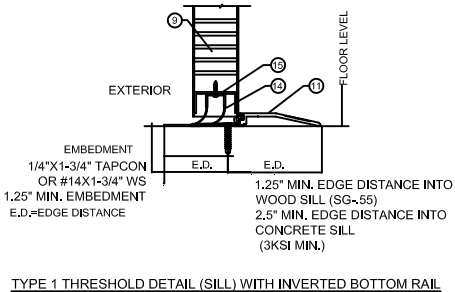
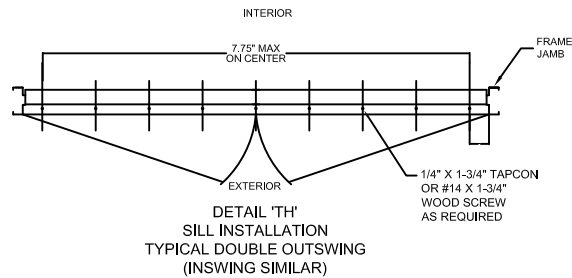
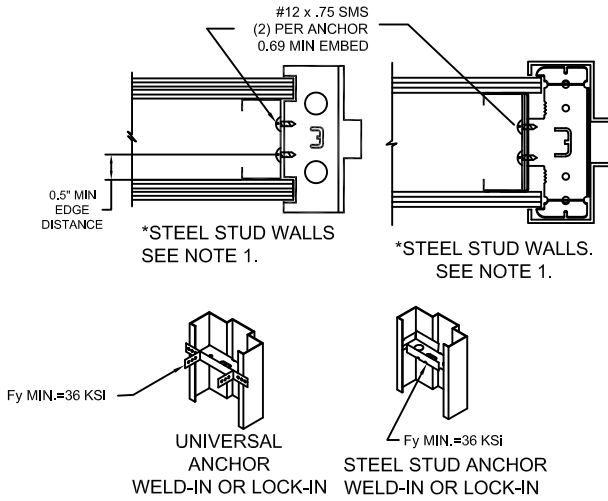
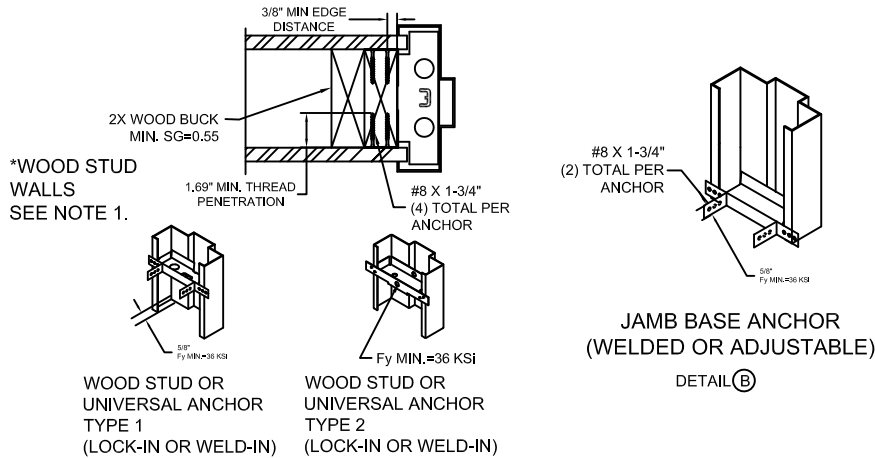
1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55, STEEL MIN. 18 GA, $F_y=33KSI$
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. APPLY CAULK AS NEEDED.
4. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.

NOTE: OUTSWING APPLICATION SHOWN. INSWING SIMILAR.

HEAD ANCHOR NOTES:
HEAD ANCHOR DETAILS H2, H3 & H4 SHALL BE USED AS APPROPRIATE
DEPENDING ON SUBSTRATE CONDITIONS.



NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



NOTE: OUTSWING APPLICATION SHOWN, INSWING SIMILAR.

HEAD ANCHOR NOTES:
HEAD ANCHOR DETAILS H2, H3 & H4 SHALL BE USED AS APPROPRIATE DEPENDING ON SUBSTRATE CONDITIONS.

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 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.



ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

3-SIDED FRAME ANCHORS - WIRE MASONRY JAMB ANCHOR INTO GROUT FILLED FRAME AND GROUT FILLED BLOCK WALL

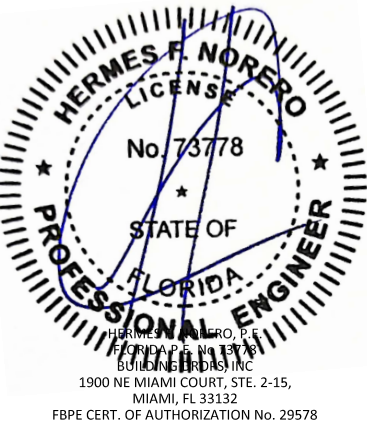
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

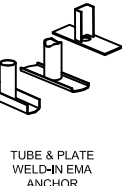
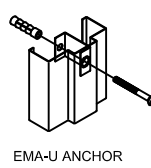
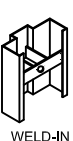
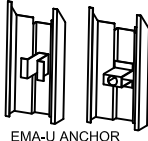
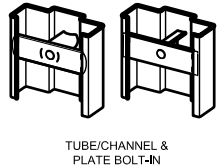
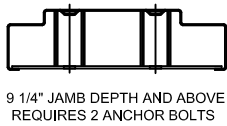
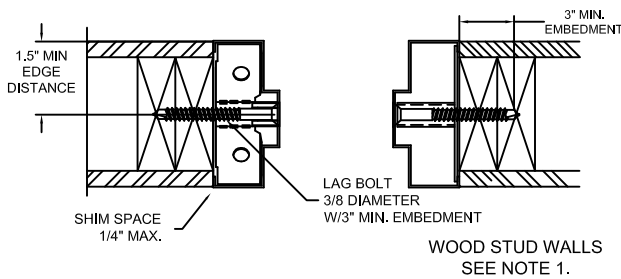
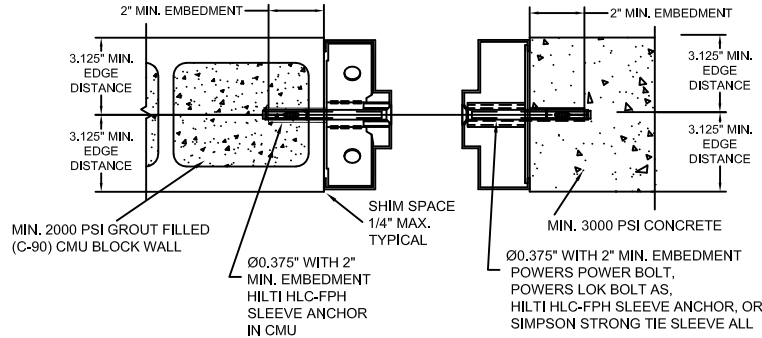
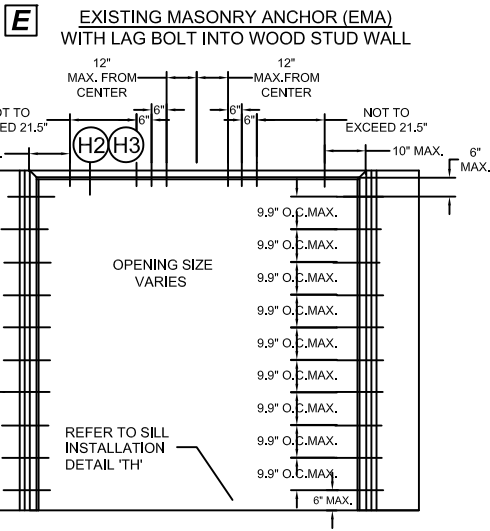
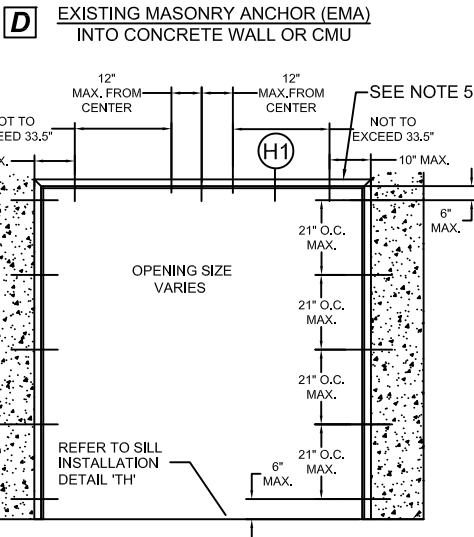


REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

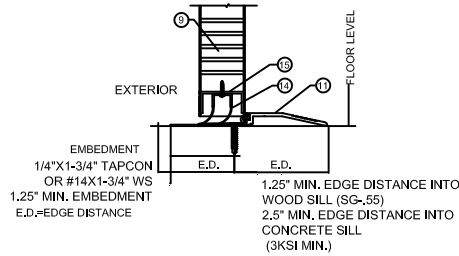
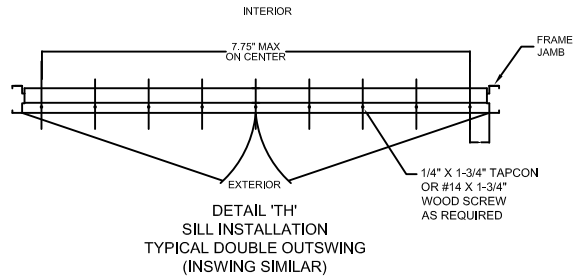
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



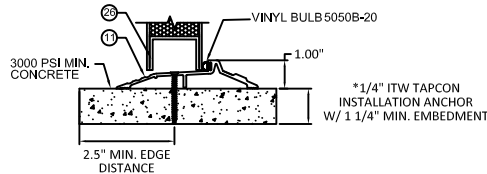
FL #:	FL16740
DATE:	09.30.2024
DWG. BY:	JA
CHK. BY:	HN
SCALE:	NTS
DWG. #:	F9300DF
SHEET:	8



NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



TYPE 1 THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



TYPE 2 THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL

NOTE: OUTSWING APPLICATION SHOWN, INSWING SIMILAR.

SEE SHEET 7 - 8 FOR HEAD INSTALLATION DETAILS, H1, H2 AND H3



ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
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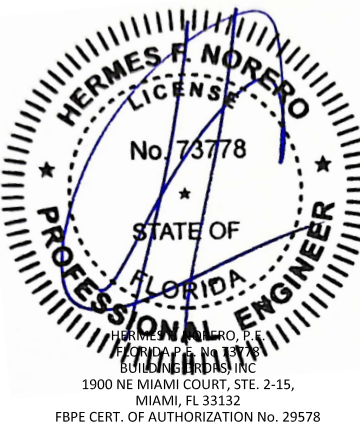
TITLE: INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

3-SIDED FRAME ANCHORS - EXISTING MASONRY JAMB ANCHOR W/ LAG SCREW INTO WOOD STUD WALL & INTO CONCRETE WALL OR CMU

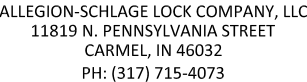
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
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REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

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FL #:	FL16740
DATE:	09.30.2024
DWG. BY:	JA
CHK. BY:	HN
SCALE:	NTS
DWG. #:	F9300DF
SHEET:	9 OF 19

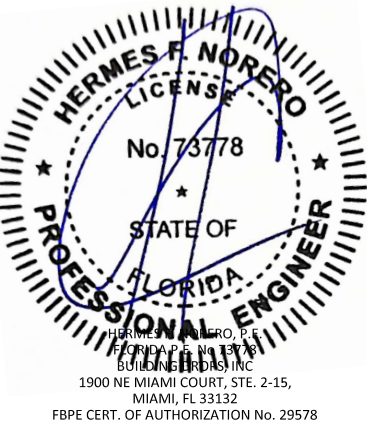


3-SIDED FRAME ANCHORS - FRAMES BOLTED TO BUILDING STRUCTURE & POURED CONCRETE TILT WALL CONSTRUCTION

BD
BUILDING DROPS



THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC PROJECT. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL16740

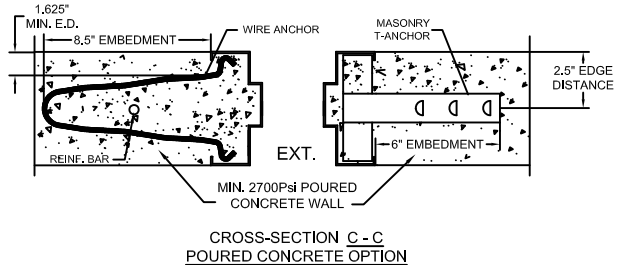
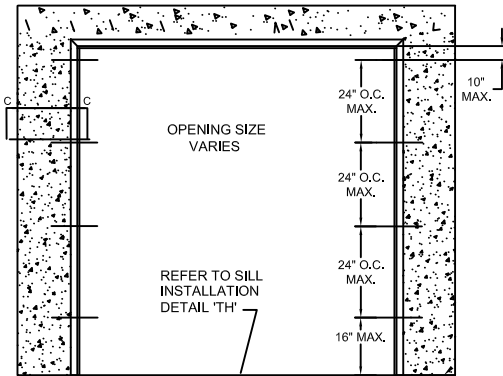
DWG. BY: JA	CHK. BY: HN
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DWG. #: F9300DF

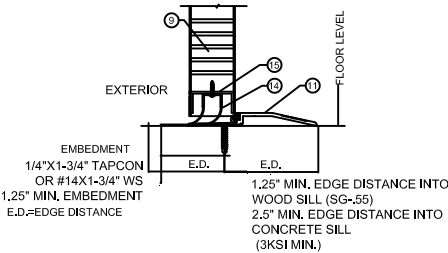
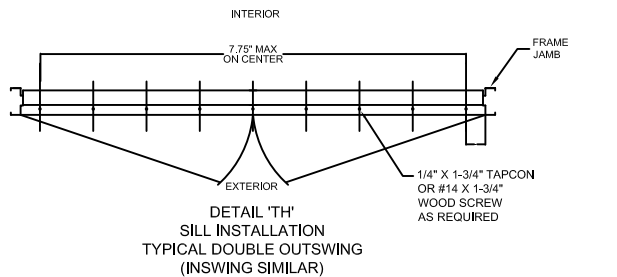
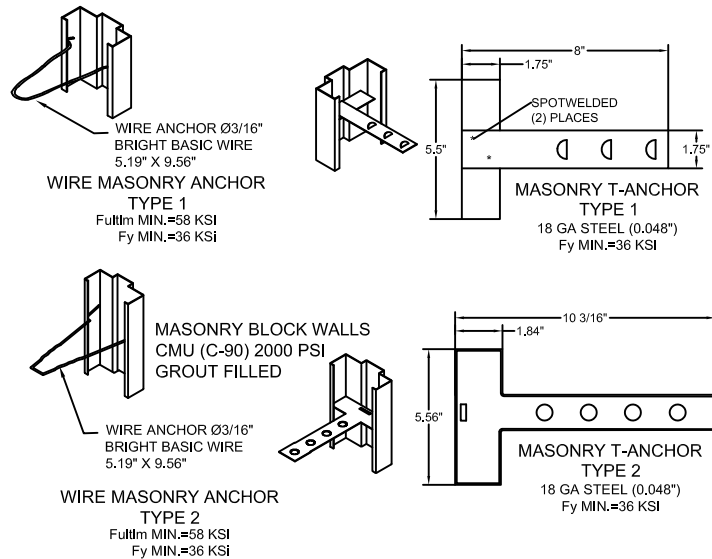
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OF 19

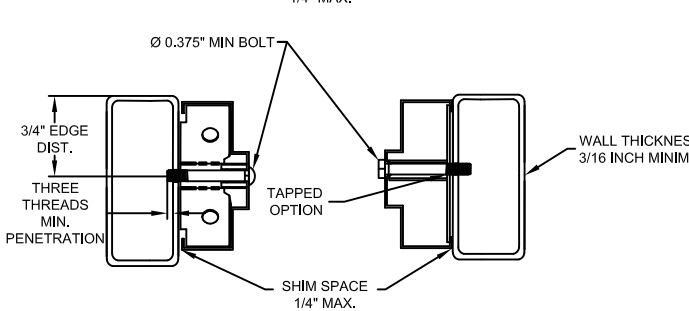
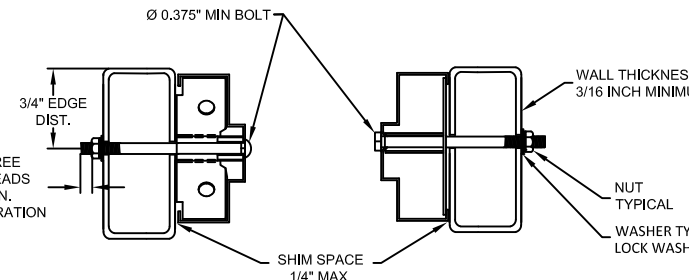
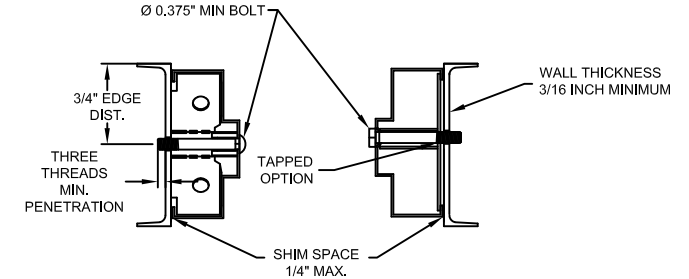
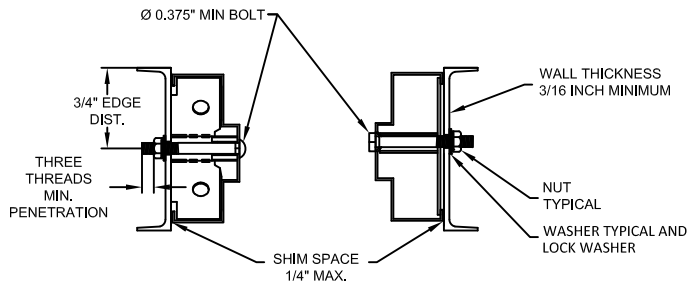
G POURED CONCRETE
TILT UP WALL



CROSS-SECTION C - C
POURED CONCRETE OPTION



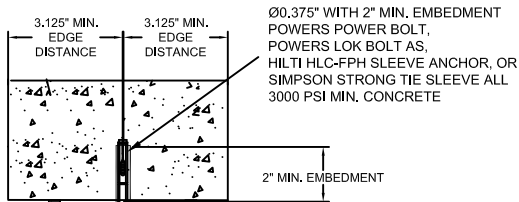
TYPE 1 THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



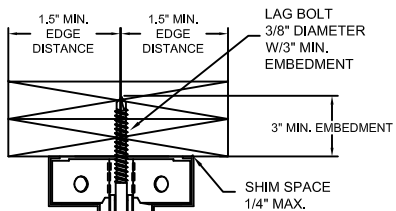
CROSS-SECTION
A - A
BOLTED TO STRUCTURAL STEEL OPTION

NOTE:

1. 3/8" BOLTS AND NUTS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.
2. FRAME BOLTED TO BUILDING STRUCTURE IS ACCEPTABLE FOR USE AS A HEAD ANCHOR. JAMB IS SHOWN, HEAD DETAIL IS SIMILAR.



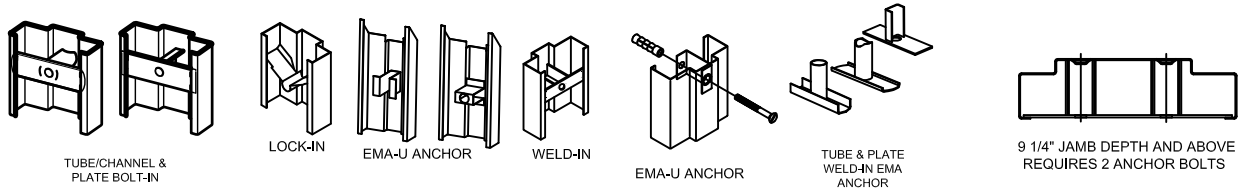
HEAD ANCHOR
DETAIL (H1)



HEAD ANCHOR
DETAIL (H2)

NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.

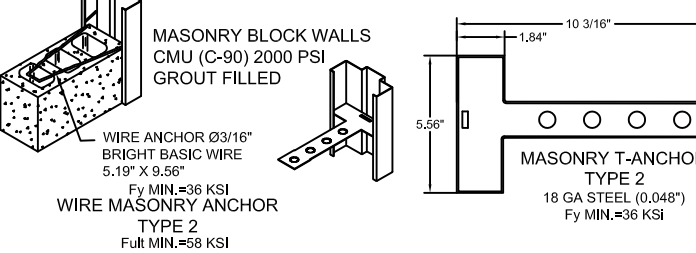
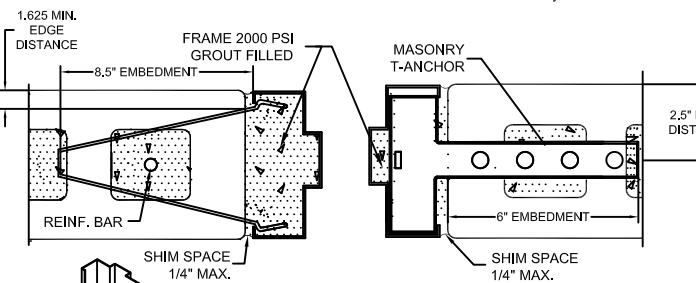
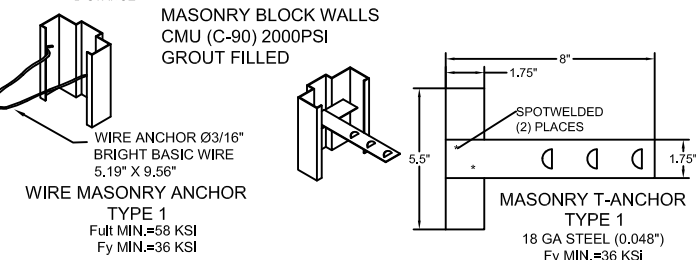
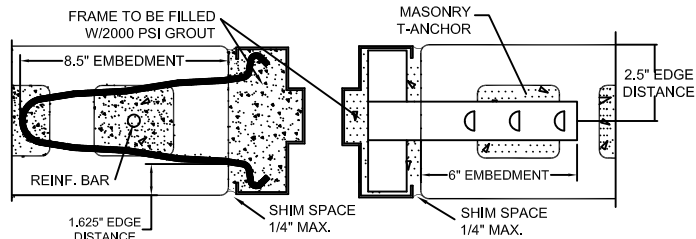
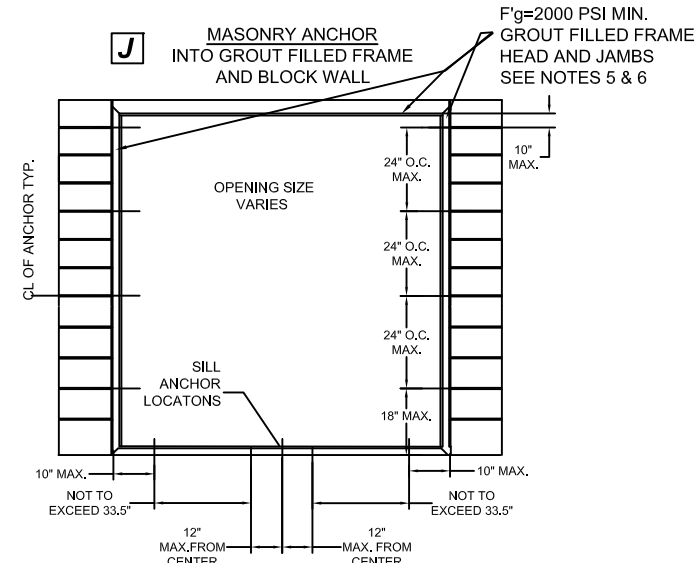
NOTE: OUTSWING APPLICATION
SHOWN. INSWING SIMILAR.



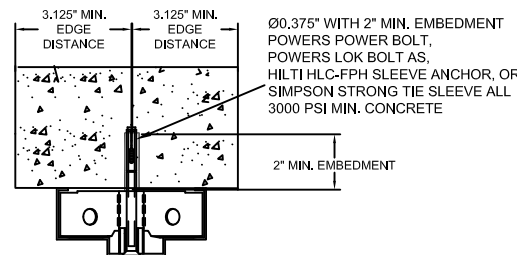
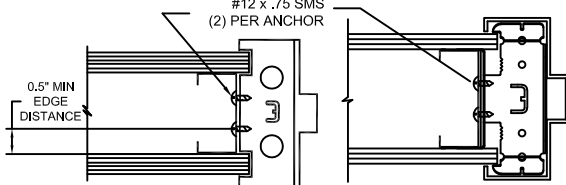
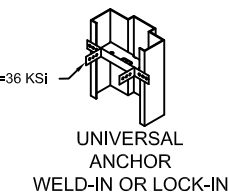
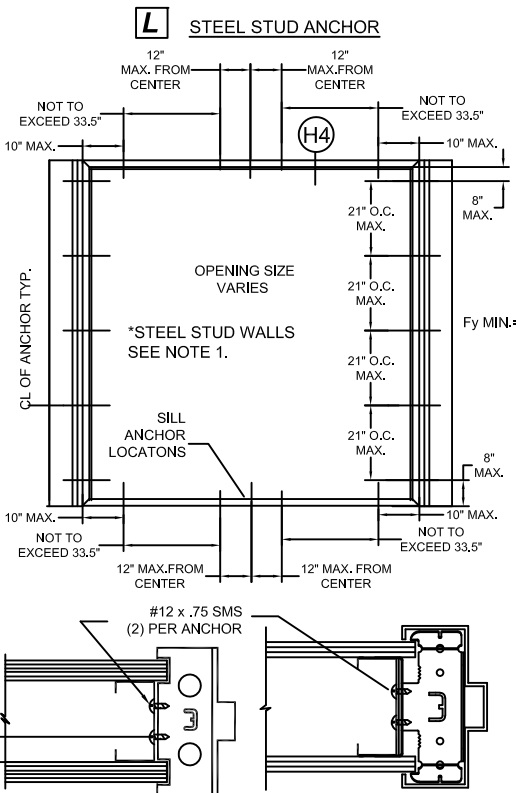
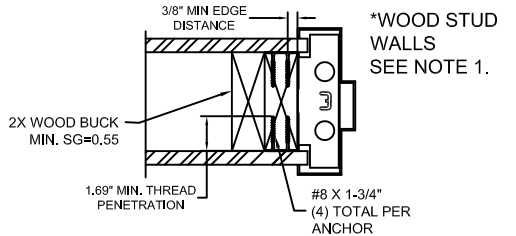
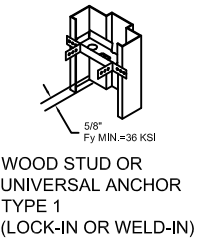
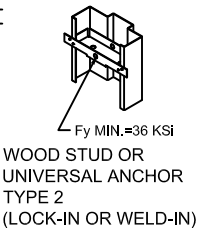
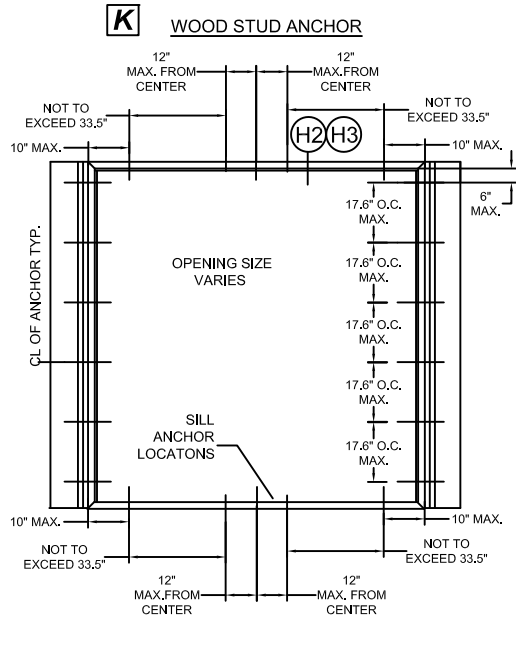
NOTES:

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. $F_y=33\text{KSI}$
2. NUMBER OF ANCHORS FOR ANCHORS FOR VERTICAL OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. APPLY CAULK AS NEEDED.
4. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.

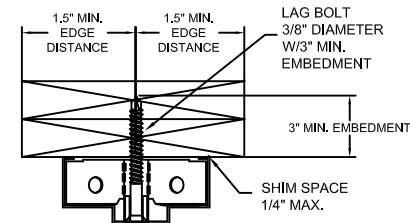
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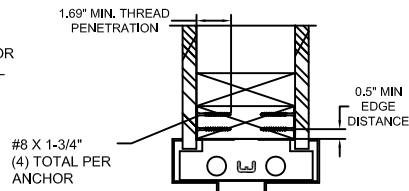
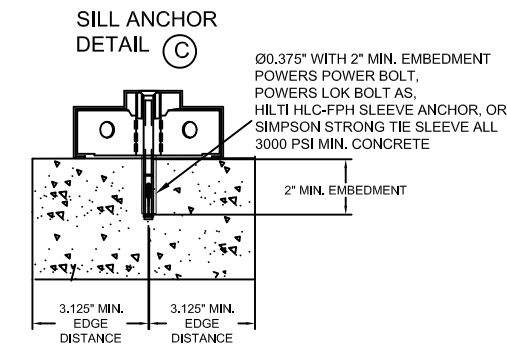
NOTES:
1. STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY APPROPRIATE LOAD, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. BOTH JAMBS MUST HAVE EQUAL NUMBER OF ANCHORS.
4. APPLY CAULK AS NEEDED.
5. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL JAMB ANCHOR OPTIONS.



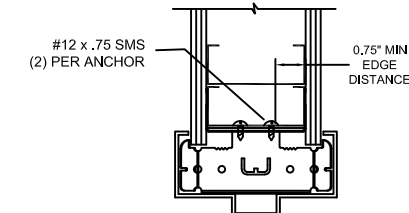
HEAD ANCHOR DETAIL (H1)



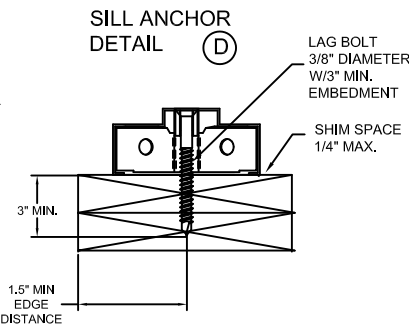
HEAD ANCHOR DETAIL (H2)



WOOD STUD HEAD ANCHOR DETAIL (H3)



STEEL STUD WALL HEAD ANCHOR DETAIL (H4)



NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.

HEAD ANCHOR NOTES:
HEAD ANCHOR DETAILS H2, H3 & H4 SHALL BE USED AS APPROPRIATE DEPENDING ON SUBSTRATE CONDITIONS.



ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

4-SIDED FRAME ANCHORS - WOOD STUD JAMB ANCHOR & STEEL STUD JAMB ANCHOR

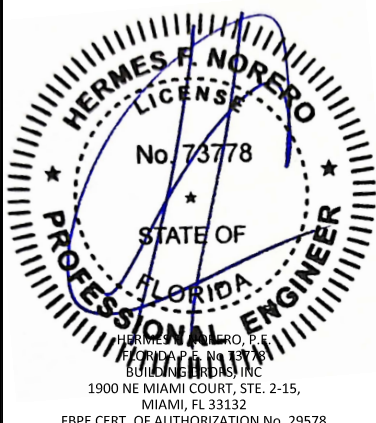
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

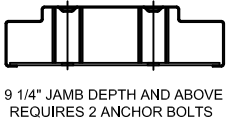
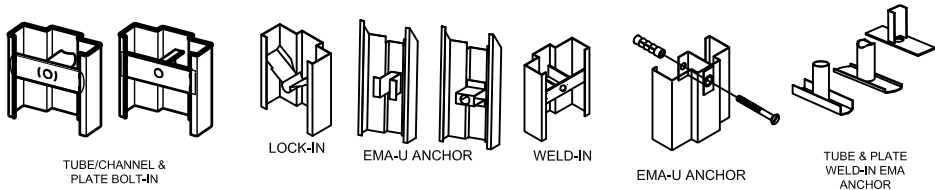
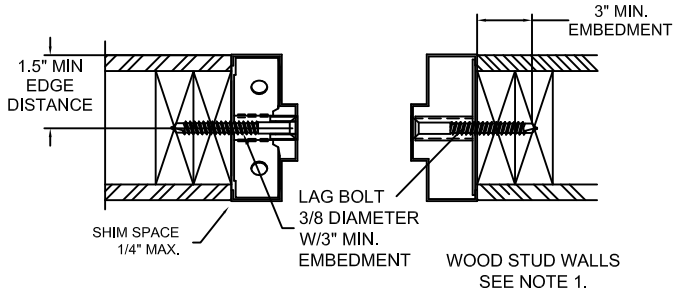
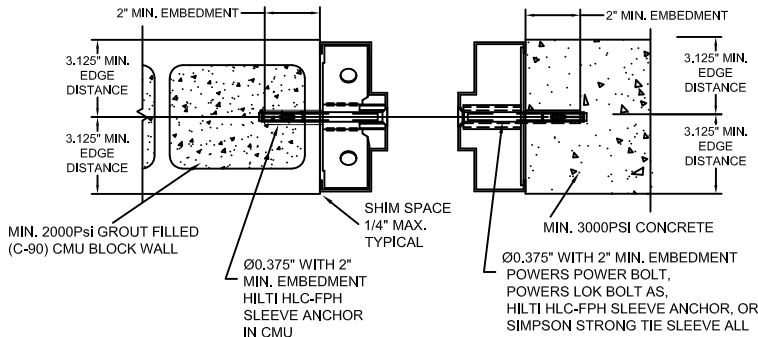
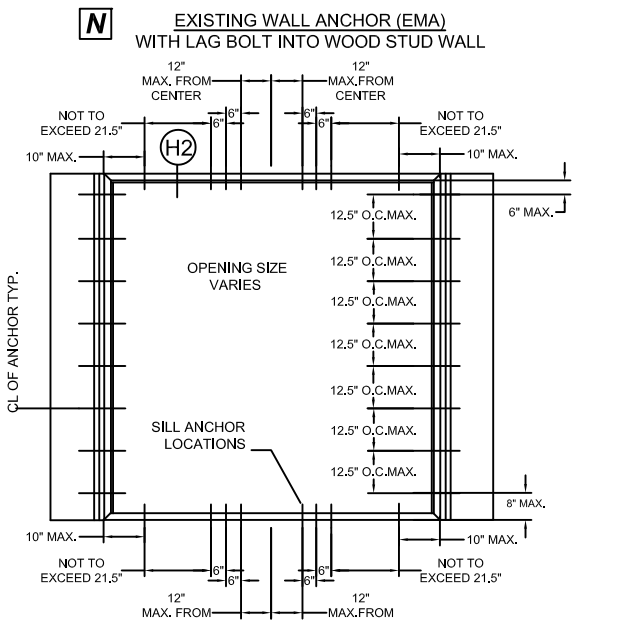
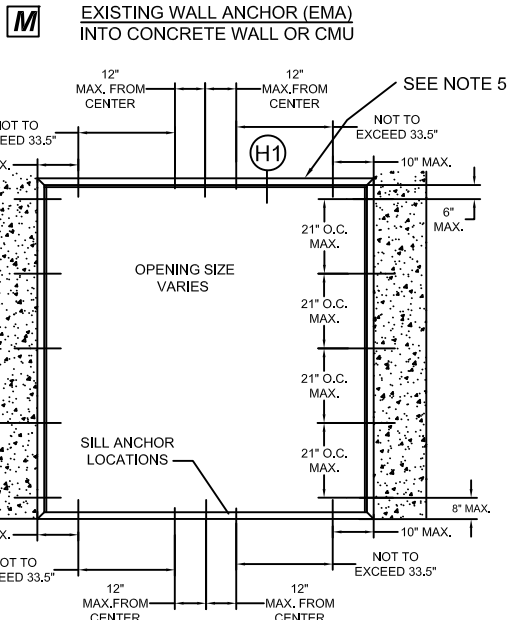


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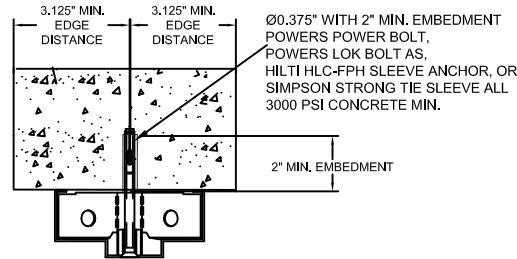
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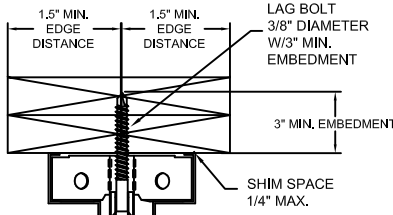
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DATE:	09.30.2024
DWG. BY:	JA
CHK. BY:	HN
SCALE:	NTS
DWG. #:	F9300DF
SHEET:	11



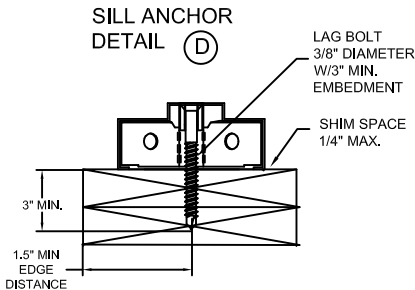
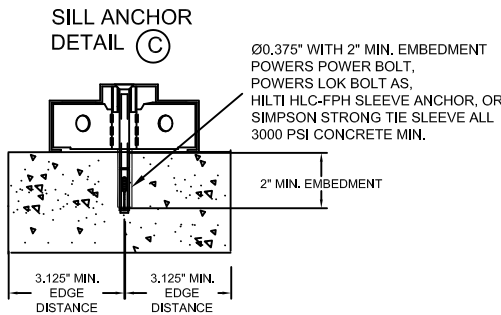
NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



HEAD ANCHOR DETAIL (H1)



HEAD ANCHOR DETAIL (H2)



HEAD ANCHOR NOTES:
HEAD ANCHOR DETAILS H2, H3 & H4 SHALL BE USED AS APPROPRIATE DEPENDING ON SUBSTRATE CONDITIONS.

NOTES:
1. STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY APPROPRIATE LOAD, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
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. APPLY CAULK AS NEEDED.
5. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL JAMB ANCHOR OPTIONS.



ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

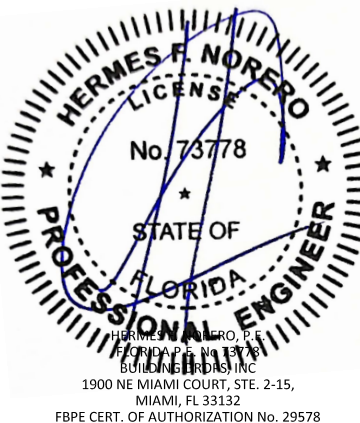
4-SIDED FRAME ANCHORS - EXISTING MASONRY JAMB ANCHOR W/ LAG SCREW INTO WOOD STUD WALL & INTO CONCRETE WALL OR CMU

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
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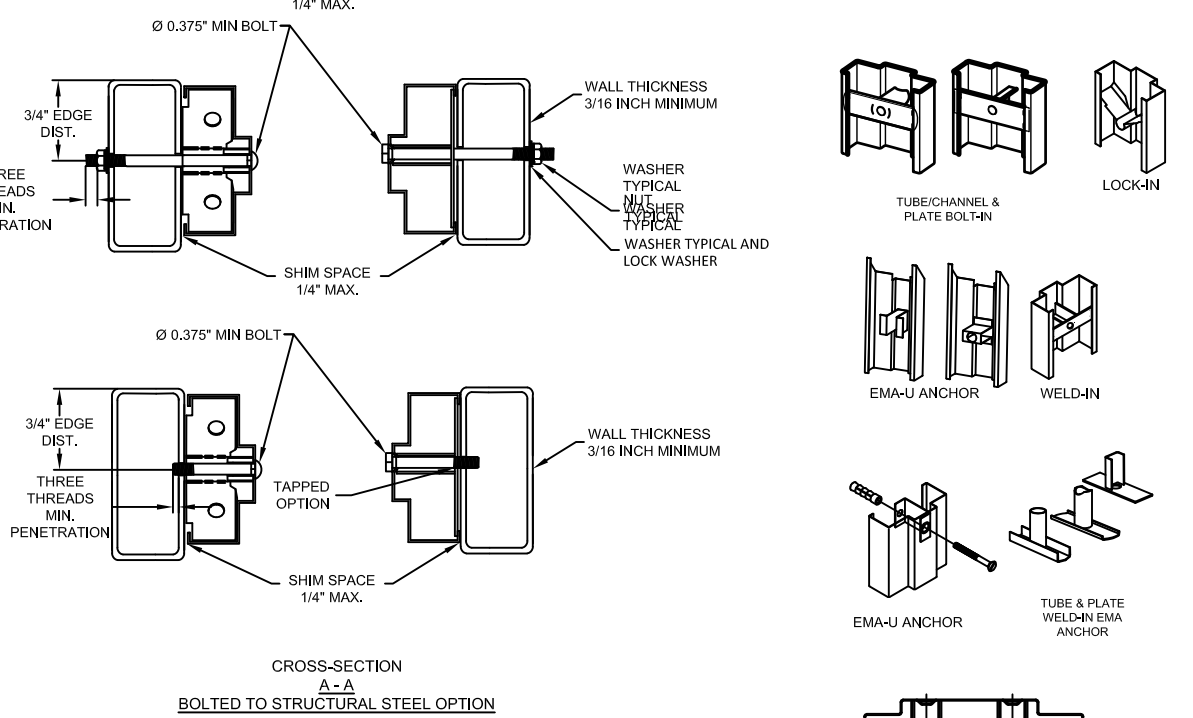
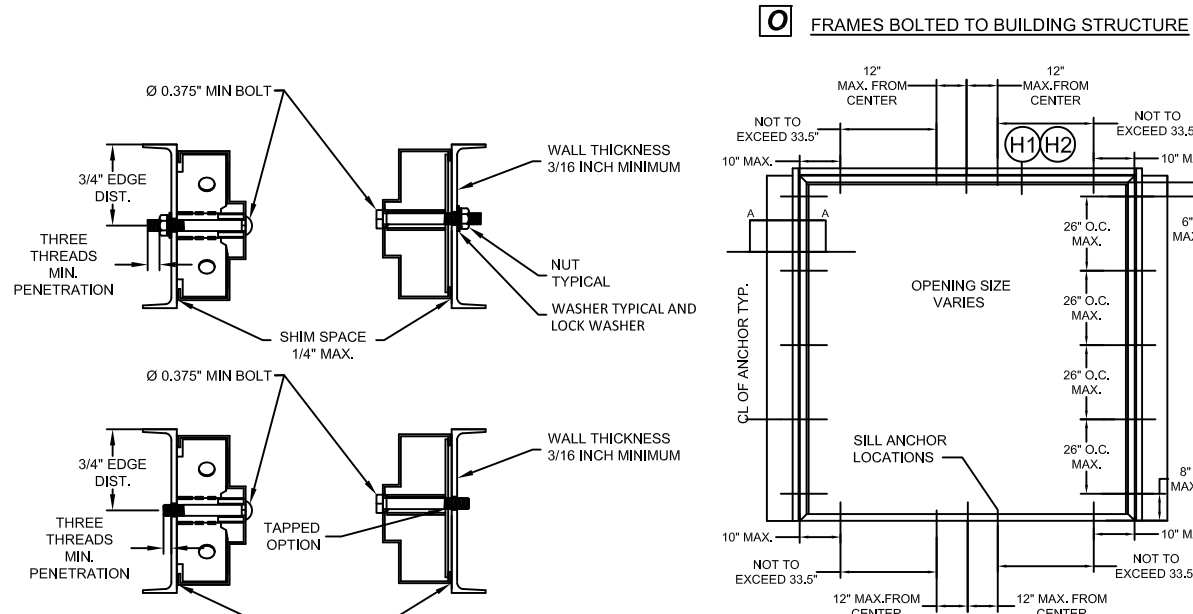


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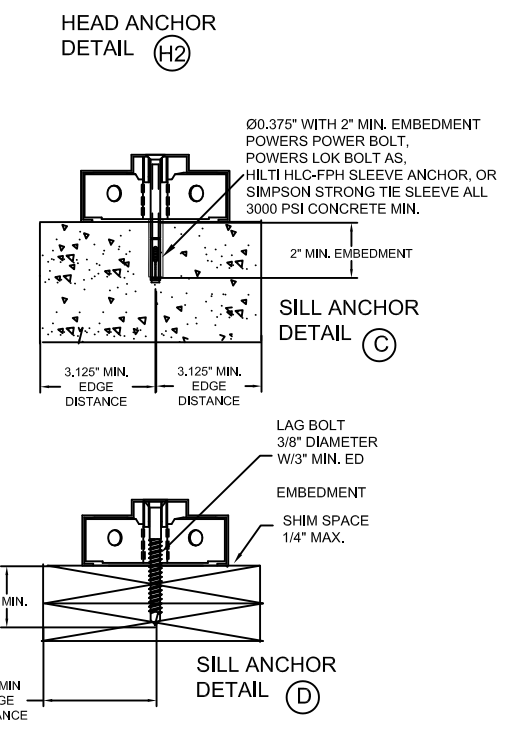
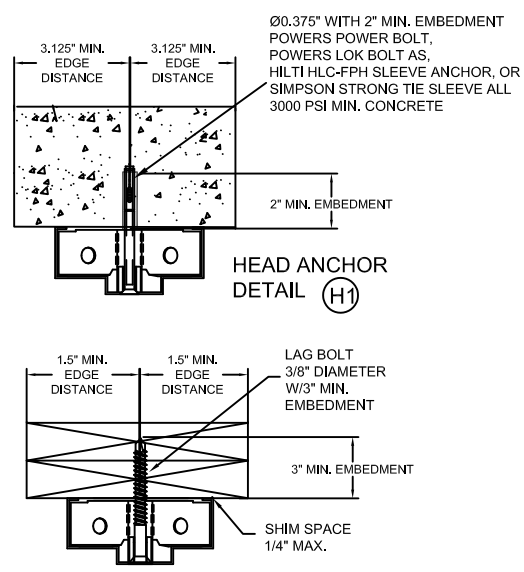
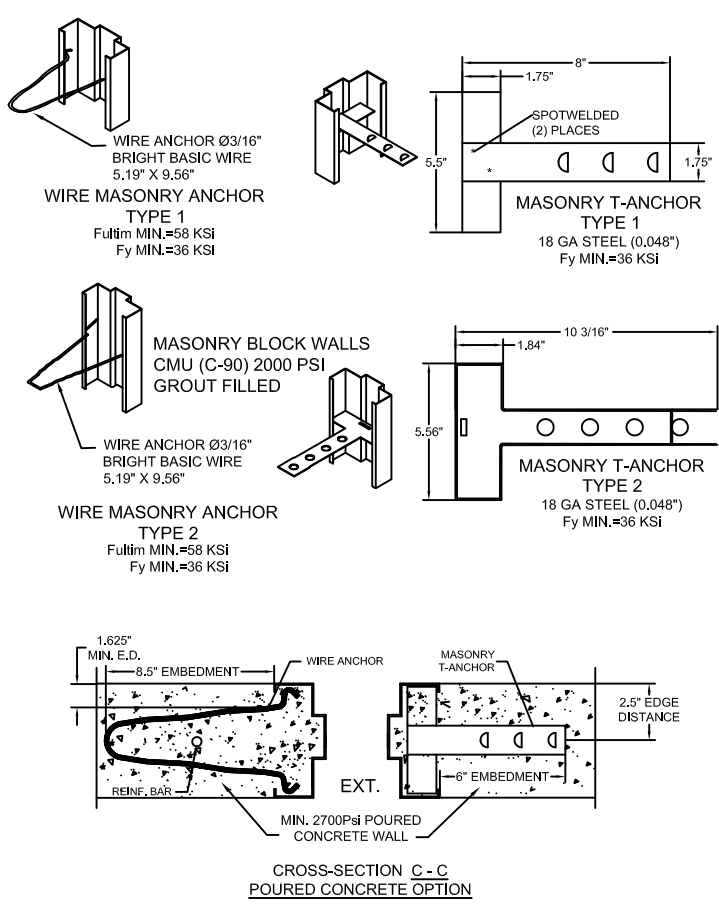
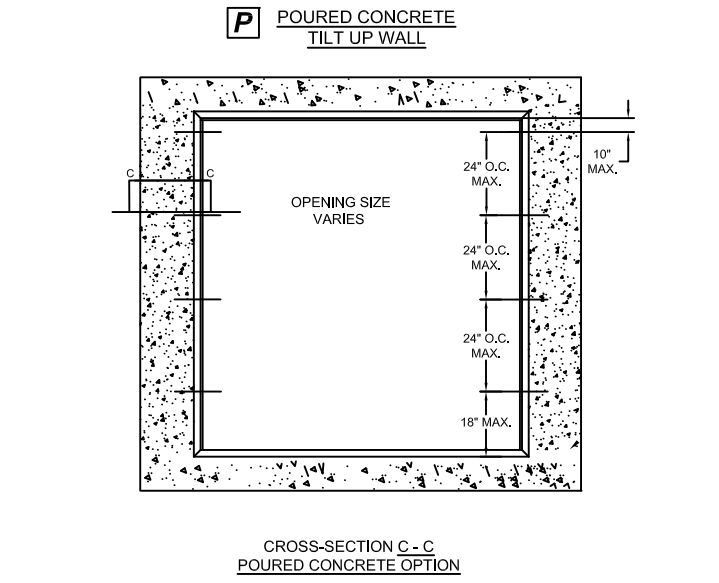
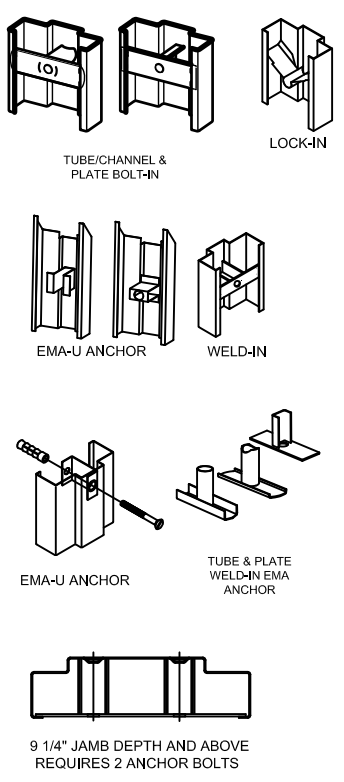


FL #:	FL16740
DATE:	09.30.2024
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CHK. BY:	HN
SCALE:	NTS
DWG. #:	F9300DF
SHEET:	12



NOTE:
1. 3/8" BOLTS AND NUTS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.
2. FRAME BOLTED TO BUILDING STRUCTURE IS ACCEPTABLE FOR USE AS A HEAD ANCHOR. JAMB IS SHOWN, HEAD DETAIL IS SIMILAR.

NOTES:
1. STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY APPROPRIATE LOAD, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
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.
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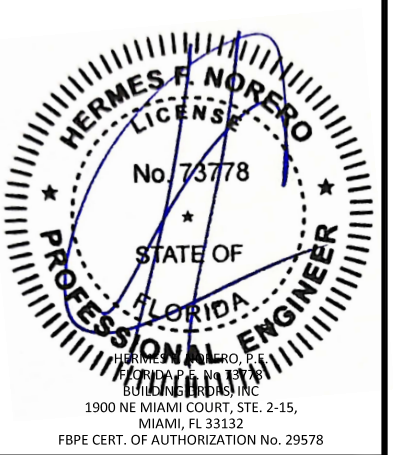
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4-SIDED FRAME ANCHORS - FRAMES BOLTED TO BUILDING STRUCTURE & POURED CONCRETE TILT WALL CONSTRUCTION

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BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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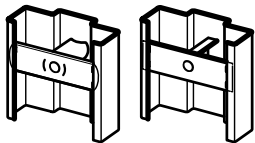
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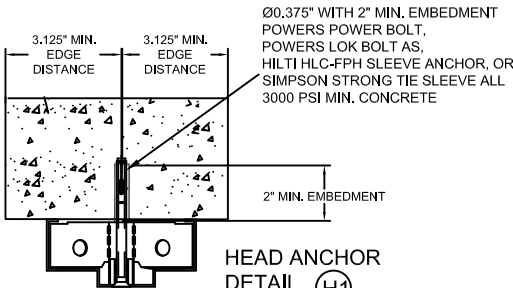
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DWG. #:	F9300DF
SHEET:	13



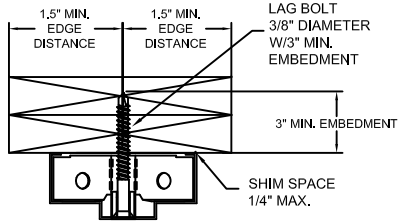
9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



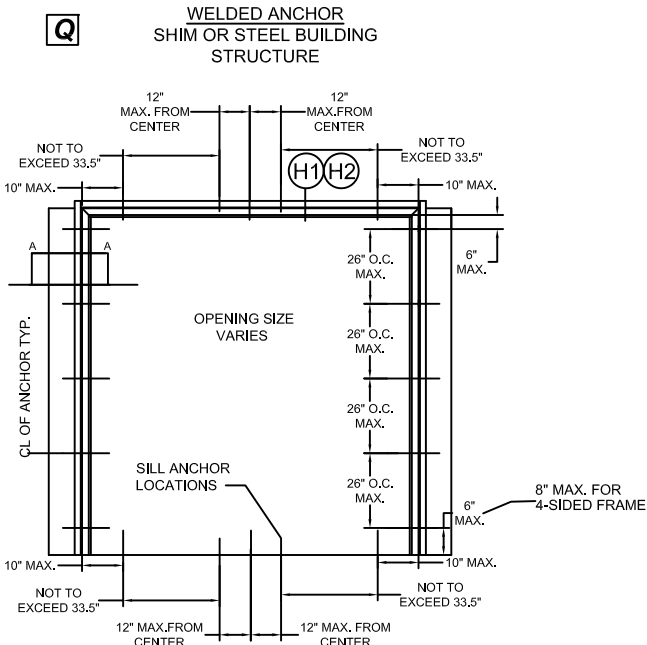
TUBE/CHANNEL &
PLATE BOLT-IN



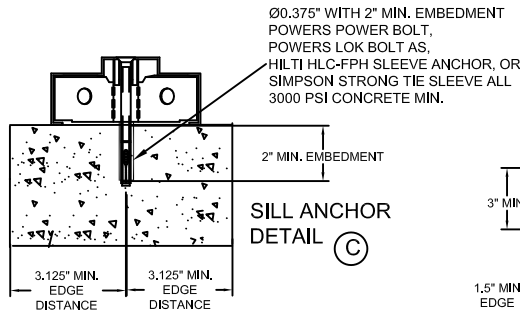
HEAD ANCHOR
DETAIL (H1)



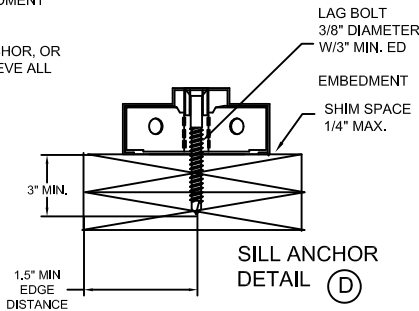
HEAD ANCHOR
DETAIL (H2)



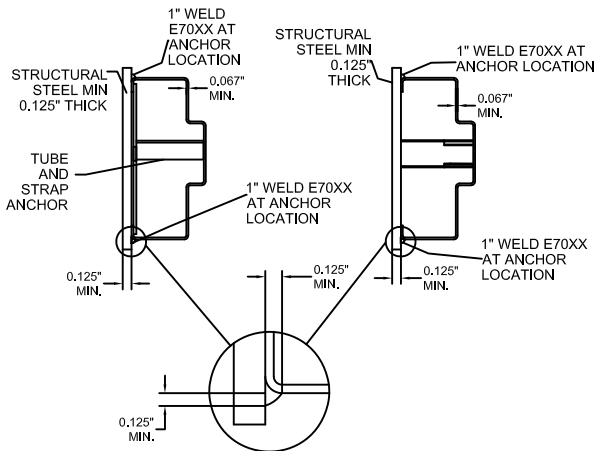
NOTES:
- 3-SIDED FRAME SHOWN. 4-SIDED FRAME
REQUIRES SILL ANCHORS AS SHOWN ON
THE ELEVATION.
- 4-SIDED FRAME MAY ALSO BE WELDED TO
STEEL STRUCTURE AT THE SILL



SILL ANCHOR
DETAIL (C)



SILL ANCHOR
DETAIL (D)



CROSS-SECTION
A-A
WELDED TO STRUCTURAL STEEL OPTION

NOTES:
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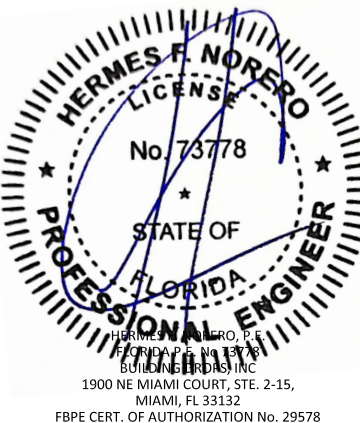
3-SIDED OR 4-SIDED FRAME ANCHORS -
FRAMES WELDED TO STEEL STRUCTURE
BUILDING

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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SCALE: **NTS**

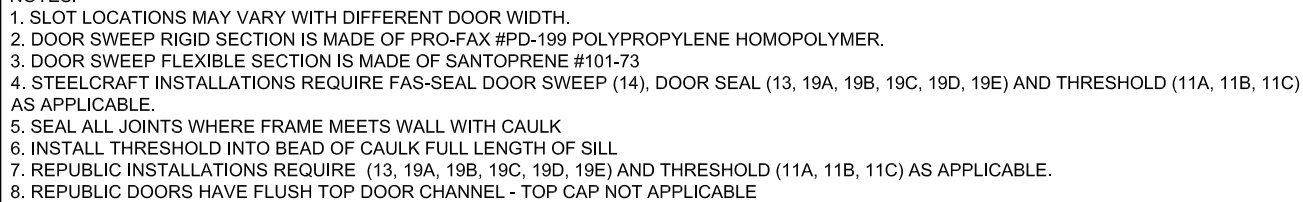
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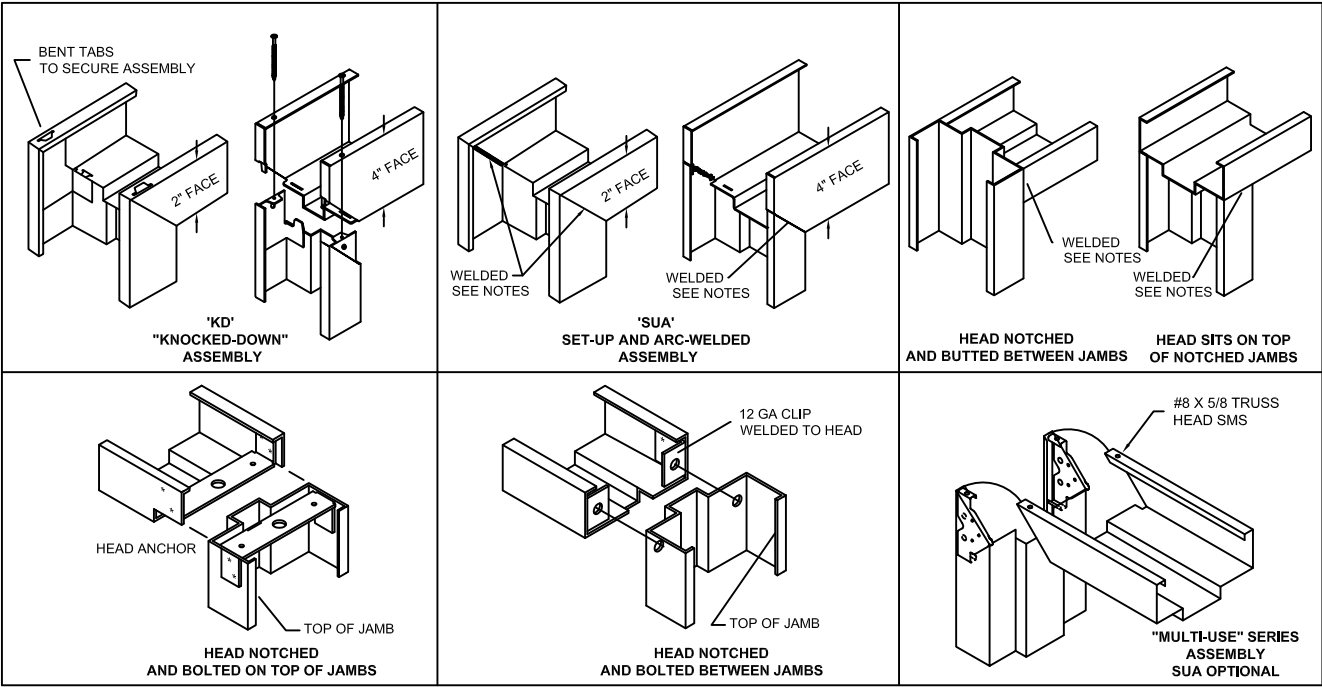
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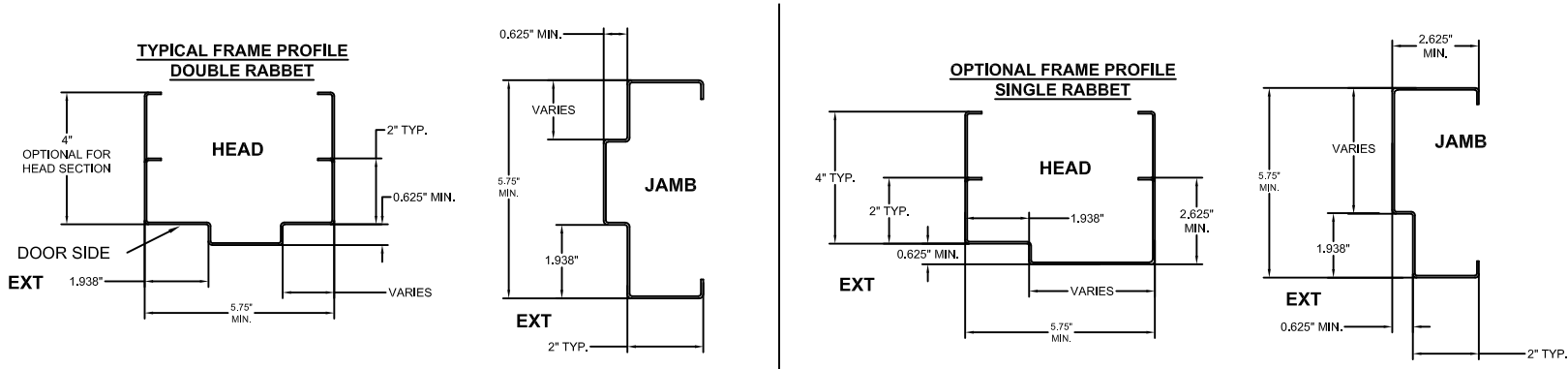
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WELDING NOTES:
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND SMOOTH AND PRIME PAINT. WELD CLASSIFICATION - E70XX



AVAILABLE DOOR PANEL CONFIGURATIONS

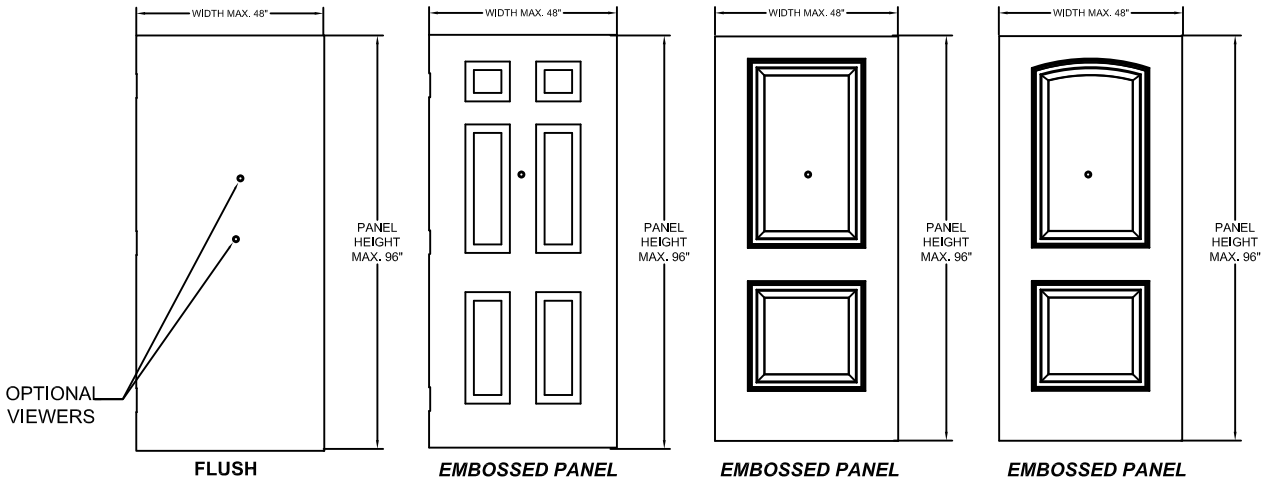


TABLE 5. AVAILABLE STEELCRAFT H-SERIES DOOR CONFIGURATIONS

STEELCRAFT H-SERIES DOOR CORE MATERIAL PER SHT. 5	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"

TABLE 6. 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 7. STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A653/A924		

NOTE: OUTSWING APPLICATION SHOWN, INSWING SIMILAR.



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FRAME DETAILS & CORNER CONSTRUCTION

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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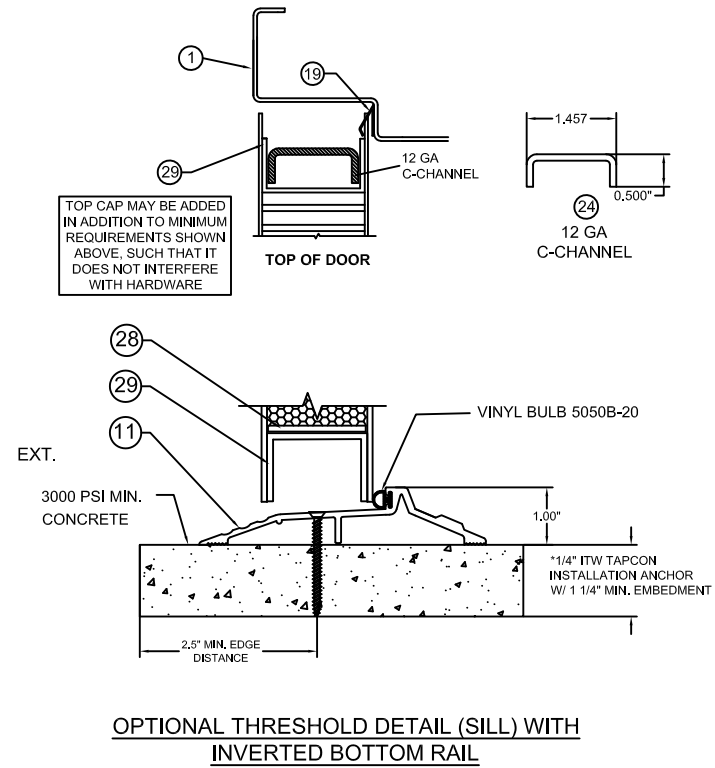
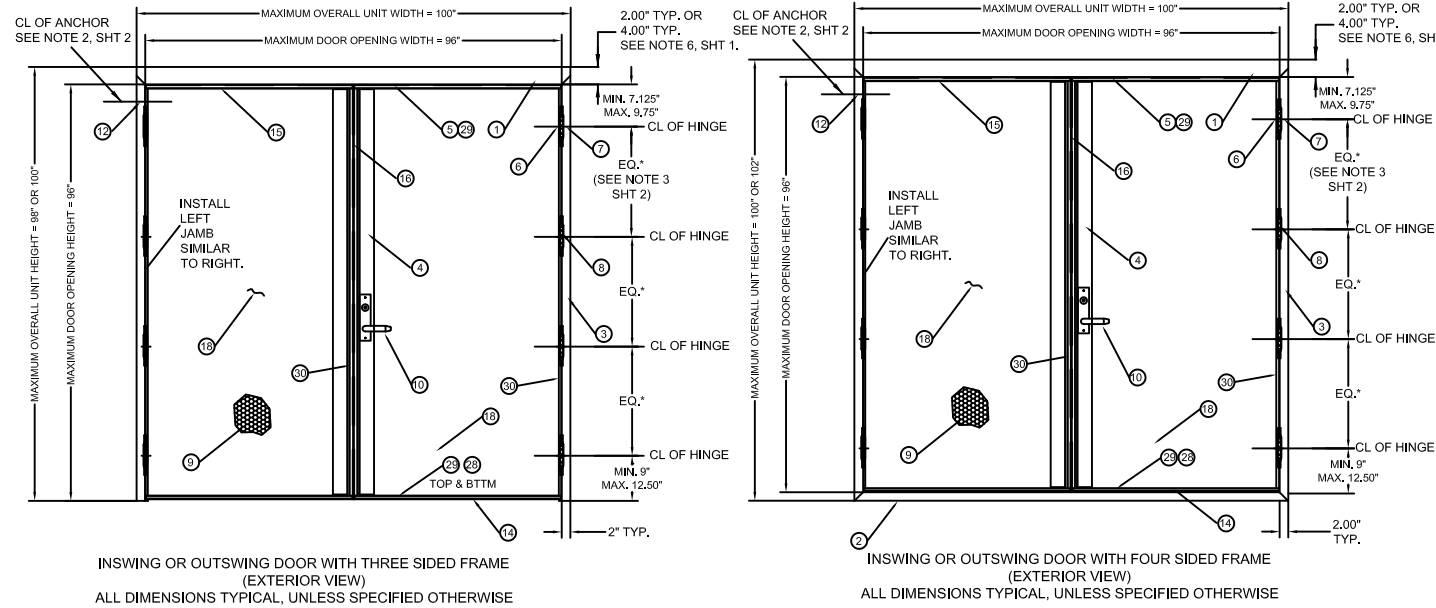
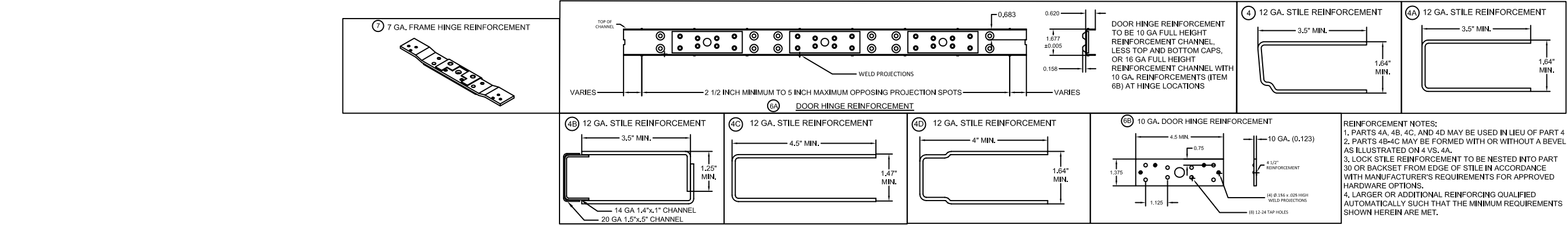
DWG. BY: **JA** CHK. BY: **HN**

SCALE: **NTS**

DWG. #: **F9300DF**

SHEET:

17



NOTE: OUTSWING APPLICATION SHOWN, INSWING SIMILAR.

TABLE 8 (SEE TABLE 1, SHEET 3 FOR OPTION 1 CONFIGURATION)

	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD (SEE SHT. 19)	.053" MIN. STL	MAX. 100"
2	1	SILL JAMB (SEE SHT. 19)	.053" MIN. STL	MAX. 100" HEIGHT.
3	2	HINGE JAMB (SEE SHT. 19)	.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	NOTE3, SHT1	HINGE REINFORCEMENT DOOR	.167" MIN. STL.	1.23" X 9.19" MIN.
6A	NOTE3, SHT1	HINGE REINFORCEMENT DOOR	.053" MIN. STL.	1.677" X FULL LENGTH - END CHNLS
6B	NOTE3, SHT1	HINGE REINFORCEMENT DOOR	.123" MIN. STL.	1.375" X 4.5" MIN.
7	1	HINGE REINFORCEMENT FRAME	.167" MIN. STL.	1.28" X 9.19" MIN.
8	NOTE3, SHT1	4.5" MIN. BUTT HINGES (SEE SHT. 5)	.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 5)	.075" MIN. STL/.12 ALUM	MAX. 95"
9	2	CORE MATERIAL (SHT. 6):	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 THRESHOLD SILL W/BUMPER GASKET (SEE SHT. 15 & 16)		
11	1	1) ZERO 11A-T1)566A, 11B-T3)65A, 11C)568 2) NAT'L GUARD T2)950A, T4)803V	ALUM. 6063 T5 ALUM. 6063 T5	96" MAX.
12	NOTE2, SHT1	JAMB ANCHOR	SEE SHEETS 7 - 14	
13	1	PSO74 WEATHER STRIPPING	TPE	MAX. 24"
14	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66"
15	1	Z ASTRAGAL	.067" MIN. STL.	MAX. 95.75"
17	AS NEEDED	CAULK - BUTYL RUBBER OR SILICONE		
18	2	DOOR SLAB (16 OR 14 GA)	SEE SHT. 17	48" X 96" MAX.
19	1	BY ZERO INT'L SEAL A)188S, B)117S, C)8145S, D)8150S, E)8042S		
		BY NGP DOOR SEAL No.5020	SILICONE	MAX. 24'
20	2	BY ZERO INT'L DOOR SWEEP No.539		
		BY NGP DOOR SWEEP No.202N	TPE	MAX. 96"
21	2	BY ZERO INT'L DOOR SWEEP A)139, B) 328, C)39		
		BY NGP DOOR SWEEP No.200N	SEE SHTS. 15 & 16	MAX. 48"
22	2	BY ZERO INT'L ADJUSTABLE STOP No.475		
		BY NGP ADJUSTABLE STOP No.170N	TPE	MAX. 48"
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	1	TOP CHANNEL REINFORCEMENT	.093" MIN. STL	0.5" X 1.457" X 48" MAX.
25	2	IVES SB360 SURFACE BOLT	STEEL	12" MIN. - 24" MAX. LENGTH
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	1	BOTTOM CHANNEL PREP/ REINFORCEMENT 2-PIECES	.093" MIN. STL	1.375" X 3.5"
29	4	END CHANNEL (16 GAUGE-INVERTED)	.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.
30	4	EDGE CHANNEL (16 GAUGE MIN)	.053" MIN. STL.	.62" X 1.66" X 48" MAX.
31	NOTE3,SHT1	HINGE REINFORCEMENT FRAME	.149" MIN. STL.	1.23" X 9.19" MIN.



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REPUBLIC DOORS: DOUBLE DOORS INSWING & OUTSWING CONFIGURATIONS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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PH: (954)399-8478
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FL 16740

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DWG. BY: JA

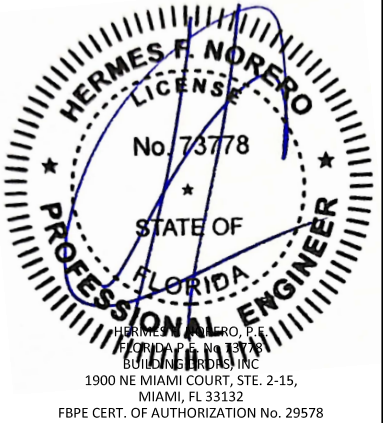
CHK. BY: HN

SCALE: NTS

DWG. #: F9300DF

SHEET: 18

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SCALE: NTS

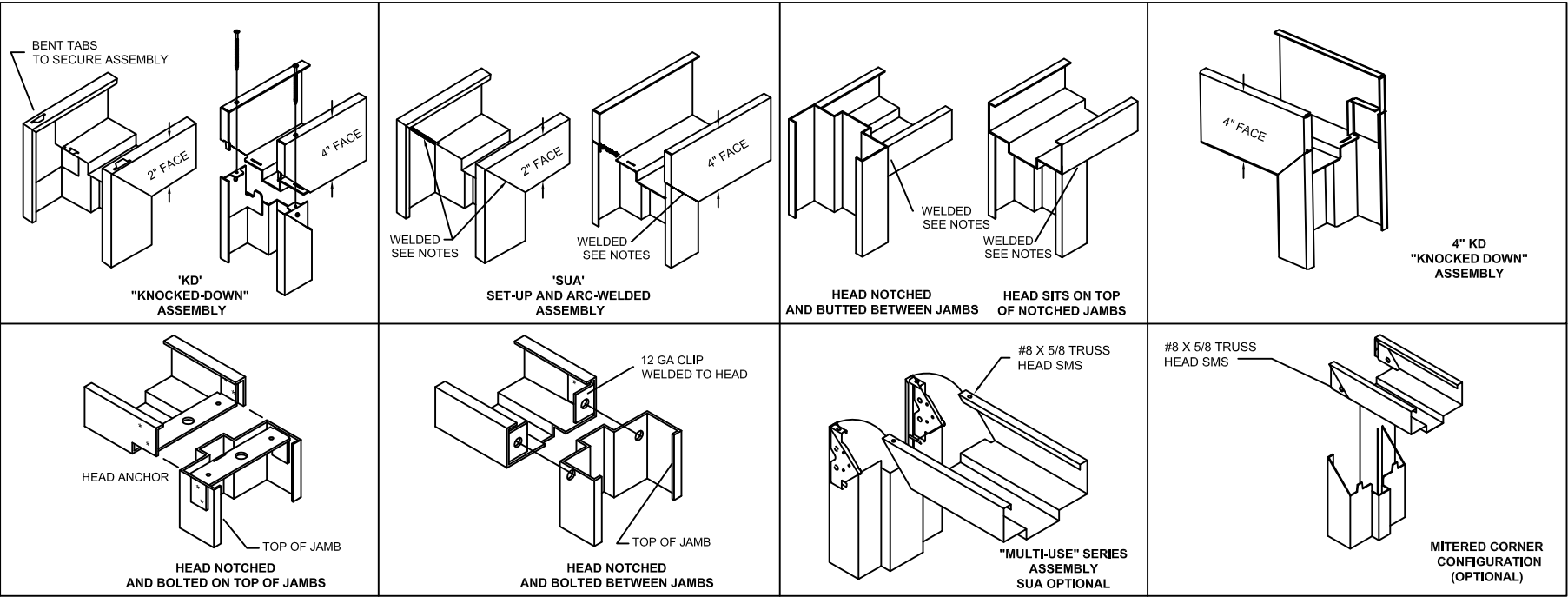
DWG. #: F9300DF

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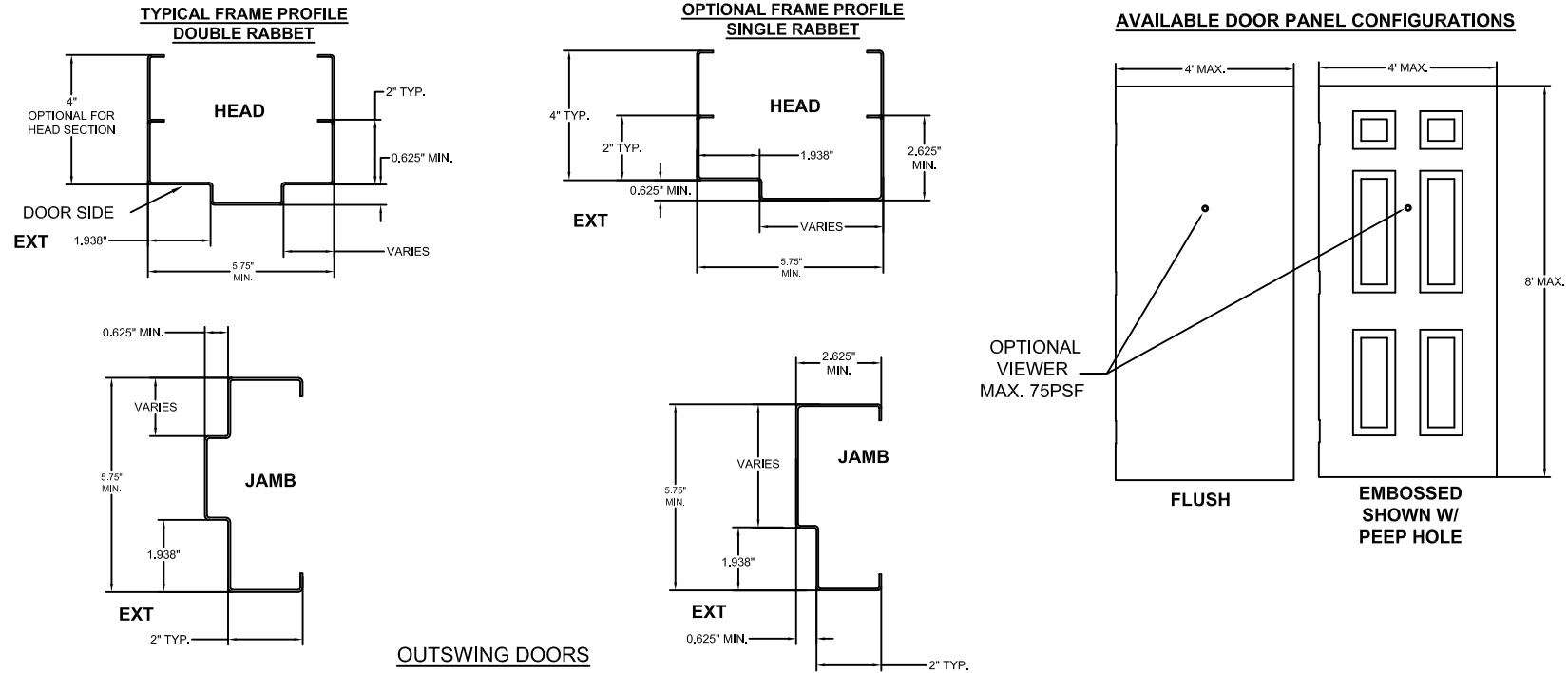
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WELDING NOTES:
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND SMOOTH & PRIME PAINT. WELD CLASSIFICATION - E70XX



OUTSWING DOORS

NOTE: OUTSWING APPLICATION SHOWN, INSWING SIMILAR.

TABLE 9. AVAILABLE REPUBLIC DOOR CONFIGURATIONS

REPUBLIC DOOR SERIES	DOOR CORE MATERIAL PER SHT. 4	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/.053"
DE		8'-0"	8'-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.	8'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067"
SE	5.75" MIN.	8'-0"	8'-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		

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 8.
 - 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 7)
 - FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 8.



ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: INSWING & OUTSWING DOUBLE FLUSH WITH SCHLAGE LM9300 SERIES THREE POINT LOCK (HVHZ)(MISSILE LEVEL E IMPACT)

REPUBLIC DOORS: FRAME DETAILS & CORNER CONSTRUCTION

PREPARED BY:

BUILDING DROPS, INC.
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REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:

FL16740

DATE: **09.30.2024**

DWG. BY:
JA

CHK. BY:
HN

SCALE: **NTS**

DWG. #: **F9300DF**

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OF 19