

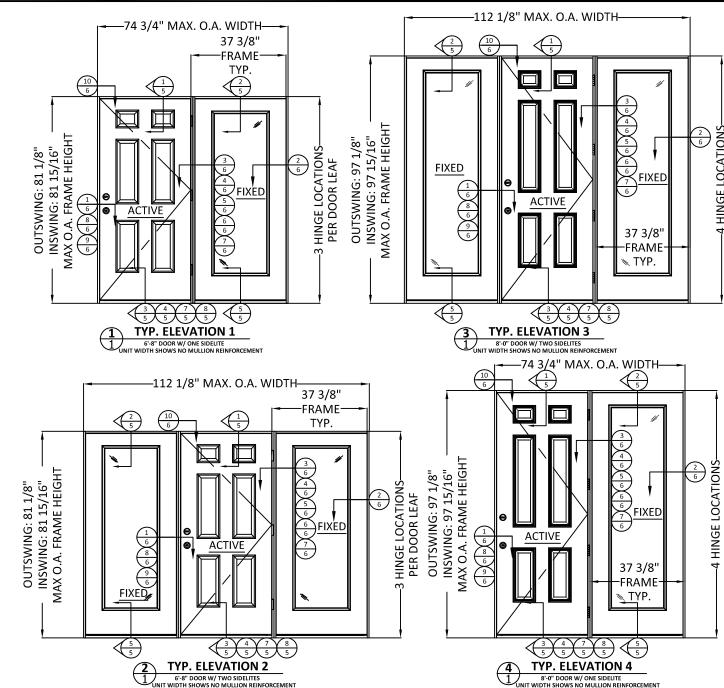
# DESIGN PRO / SMOOTH PRO **NON-IMPACT**

FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ)

### **GENERAL NOTES:**

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL RESIDENTIAL CODE (IRC), AND FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - ASTM E330-02
  - ASTM E283-04
  - AAMA 1304-02
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY OR 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 5. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAILS.
- FIXED FULL LITE APPROVAL COVERS USE OF FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECO, AND EXTERNAL AND INTERNAL WROUGHT IRON. RADIUS (SHAPED) LITES ARE QUALIFIED FOR 6'-8" DOORS AT DP +/-50 PSF ONLY.
- 6-PANEL DOOR SHOWN FOR ILLUSTRATION PURPOSES. ADDITIONAL PANEL CONFIGURATIONS AND FLUSH DOORS ARE QUALIFIED.
- NOTE: OPERATING AFCO H-497 SILL MEETS WATER INFILTRATION AT WATER TEST PRESSURE (WTP) OF 9.75 PSF. FIXED SIDELITE MEETS WATER INFILTRATION AT WTP OF 7.5 PSF. REMAINING SILLS NOT RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥ 1.0

	TABLE OF CONTENTS							
SHEET	REVISION	SHEET DESCRIPTION						
1	А	TYPICAL ELEVATIONS, DESIGN PRESSURES, AND GENERAL NOTES						
2	А	TYPICAL ANCHOR LAYOUTS AND NOTES						
3	-	QUALIFIED CONFIGURATIONS & GLAZING DETAIL						
4	-	OPTIONAL 2X BUCK ANCHORING DETAILS						
5	А	VERTICAL ASSEMBLIES						
6	А	HORIZONTAL ASSEMBLIES						
7	А	WOOD SUBSTRATES						
8	А	CONCRETE SUBSTRATES						
9	А	COMPONENTS & BILL OF MATERIALS						



- ALL DOORS SHOWN IN CONFIGURATIONS ON THIS SHEET MAY BE LEFT HAND OR RIGHT HAND OPERATING DOORS.
- SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.

	MAX. OVERALL NOMINAL SIZE		DESIGN PRESSURE (PSF)								
CONFIGURATION			FINGER-JOINTED PINE				ALL OTHER MATERIALS				MISSILE
	WIDTH	HEIGHT	INSWING		OUTSWING		INSWING		OUTSWING		RATING
			POS.	NEG.	POS.	NEG.	POS.	NEG.	POS.	NEG.	
0,X,O	9'-0"	6'-8"	50*	50	50*	50	50*	50	50*	50	NON-IMPACT
O,X,O RADIUS	9'-0"	6'-8"	50*	50	50*	50	50*	50	50*	50	NON-IMPACT
0,X,O	9'-0"	8'-0"	45*	45	45*	45	45*	45	45*	45	NON-IMPACT
Х,О	6'-0"	6'-8"	50*	50	50*	50	50*	50	50*	50	NON-IMPACT
X,O RADIUS	6'-0"	6'-8"	50*	50	50*	50	50*	50	50*	50	NON-IMPACT
х,о	6'-0"	8'-0"	45*	45	45*	45	45*	45	45*	45	NON-IMPACT

\*SEE GENERAL NOTE 8, SHEET 1, FOR WATER INFILTRATION APPROVED SILLS.



# **BUILDING DROPS, INC.**

398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744.4738

ELEVATIONS, DESIGN 5, AND GENERAL NOTES

TYPICAL EL PRESSURES, /

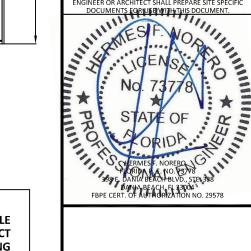
DESIGN PRO/SMOOTH PRO NON-IMPACT

WEB: www.buildingdrops.com

WIND O

REMARKS BY DATE Add ADA sill, Multi-Point Lock GL 06/23/2 & Radius Lite Reference DWG. #A010835A AM 09/05/1

HE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENEF ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECII SITE JE SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN. A LICENSE ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC



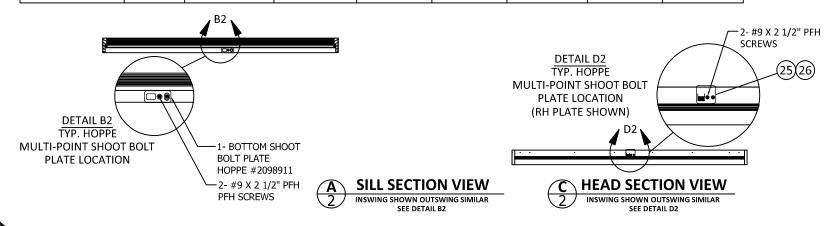
02.05.14 DWG. BY: CHK. BY: SS/MSS NTS SCALE:

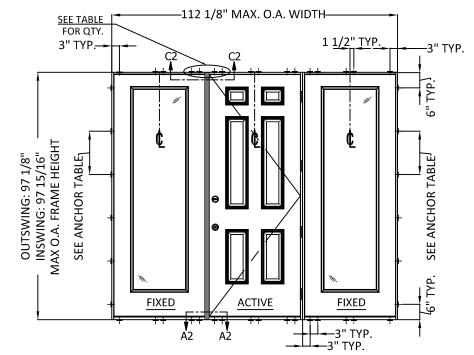
D015690 DWG. #: SHEET:

#### **INSTALLATION NOTES:**

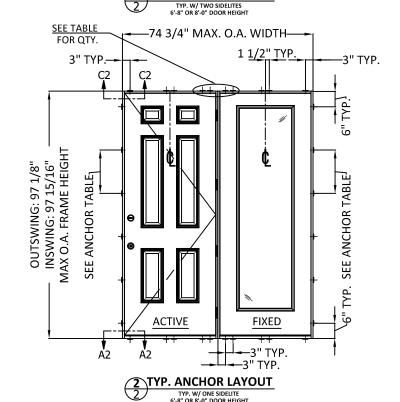
- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- 2. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE A NON-COMPRESSIBLE COMPOSITE OR BETTER.
- 3. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 4. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING, AND SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR
  JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE
  SHELL OF BLOCK.
- 6. FOR 2X STUD CONSTRUCTION, ANCHORING OF THESE PRODUCTS SHALL BE THE SAME AS FOR 2X BUCK CONCRETE/MASONRY CONSTRUCTION.
- 7. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.55.
  - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
  - D. HOLLOW BLOCK CMU UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- 8. SEE SHEETS 7 AND 8 FOR MORE DETAILS OF THE INSTALLATION REQUIREMENTS, INCLUDING ANCHOR LOCATIONS, EDGE DISTANCES, EMBEDMENTS, AND SHIM SPACING.
- 9. OPTIONALLY, ANCHORS CAN BE PLACED IN NARROW SECTION OF HEAD OR JAMB AS LONG AS MINIMUM EMBEDMENT AND EDGE DISTANCE ARE ACHIEVED.

ANCHOR TABLE								
					6'8" נ	DOORS	8'0" DOORS	
ANCHOR TYPE	ANCHOR SIZE	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS	MAX. O.C. SPACING AT JAMBS	# OF ANCHORS AT HEAD/SILL CLUSTERS
WOOD SCREW	#10	2X WOOD BUCK OR FRAMING	1-1/2"	3/4"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	2-1/2"	17-1/2"	4	17-1/4"	4
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	17-1/2"	4	17-1/4"	4
ITW TAPCON	3/16"	CONCRETE/CMU	1-1/4"	1"	11-5/8"	8	14-3/8"	6





# 1 TYPICAL ANCHOR LAYOUT



#### NOTES:

- 1. ALL DOORS SHOWN IN CONFIGURATIONS ON THIS SHEET MAY BE LEFT HAND OR RIGHT HAND OPERATING DOORS.
- 2. SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.



## BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744.4738 WEB: www.buildingdrops.com

AKEPORT BLVD.,

LAYOUTS AND NOTES

ANCHOR

DESIGN PRO/SMOOTH PRO NON-IMPACT

3737 LAKEPOI KLAMATH FALLS

JELD-WEN

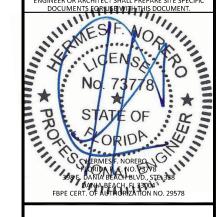
REMARKS BY DATE

Add ADA sill, Multi-Point Lock GL 06/23/14

& Radius Lite

Reference DWG. #A010835A AM 09/05/19

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENER AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIF SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT FROM THE REQUIREMENTS DETAILED HEREIN. A LICENSEE ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS EGAN IS MEMBUREHT IS DOCUMENT.



DATE: 02.05.14

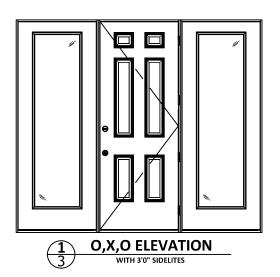
DWG. BY: CHK. BY: SS/MSS

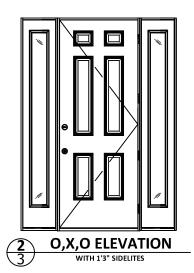
SCALE: NTS

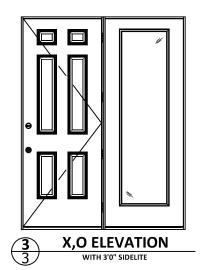
DWG. #: D015690

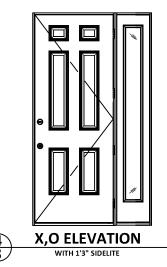
SHEET:

2

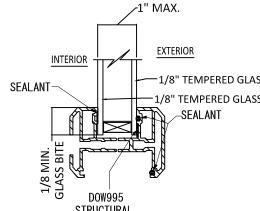


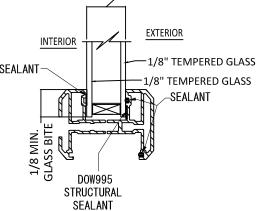




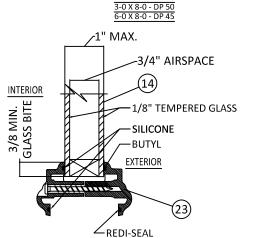








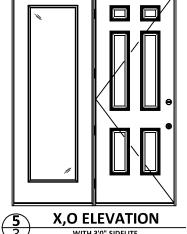


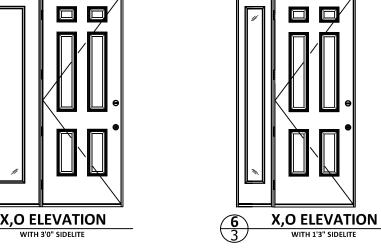


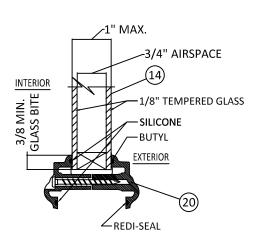


#### NOTES:

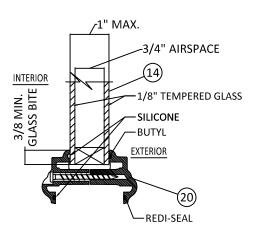
- ALL DOORS SHOWN IN CONFIGURATIONS ON THIS SHEET MAY BE LEFT HAND OR RIGHT HAND OPERATING DOORS.
- SIDELITE MAY BE USED IN LIEU OF DOOR IN CONFIGURATIONS SHOWN ABOVE AS LONG AS O.A. DIMENSIONS ARE NOT SURPASSED.



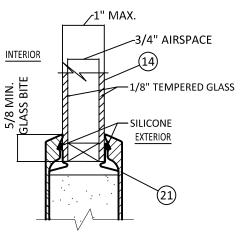












FLUSH GLAZE DETAIL 23 7/8" MAX. D.L.O. WIDTH 78 7/8" MAX. D.L.O. HEIGHT

FRACTIONAL GLAZING, INCLUDING INTERNAL GRID, BLINDS BETWEEN GLASS, DECORATIVE, EXTERNAL AND INTERNAL WROUGHT IRON AND RADIUS (SHAPED) LITES ARE APPROVED IN ALL GLAZING DETAILS SHOWN ABOVE.

PREPARED BY:

# BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744.4738

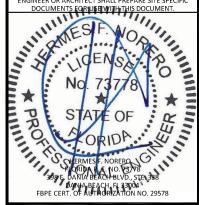
WEB: www.buildingdrops.com

BY DATE REMARKS Add ADA sill, Multi-Point Lock GL 06/23/1 & Radius Lite Reference DWG. #A010835A AM 09/05/1

QUALIFIED CONFIGURATIONS & GLAZING DETAIL

DESIGN PRO/SMOOTH PRO NON-IMPACT

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENER AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECII SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN. A LICENSEI
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC

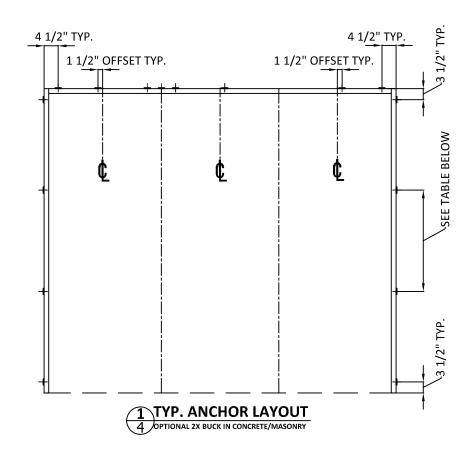


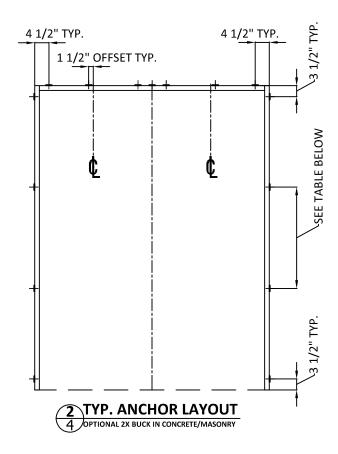
02.05.14

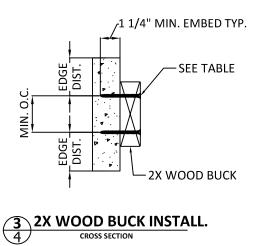
CHK. BY: SS/MSS GL/TJM

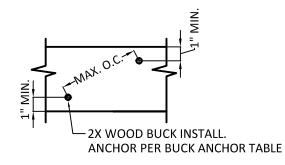
NTS SCALE:

D015690 DWG. #: SHEET:











4	2X WOOD BUCK INSTALL.
4	SIDE VIEW

2X BUCK ANCHOR TABLE									
ANCHOR TYPE	ANCHOR	SUBSTRATE	MIN.	MIN. EDGE	MIN. CENTER	6'8" DOORS	8'0" DOORS		
	SIZE		EMBEDMENT	DIST. TO SUBSTRATE	TO CENTER DISTANCE	MAX. O.C. SPACING AT JAMBS	MAX. O.C. SPACING AT JAMBS		
ITW TAPCON	1/4"	CONCRETE/CMU	1-1/4"	2-1/2"	4"	25"	30-1/4"		
ELCO ULTRACON	1/4"	CONCRETE/CMU	1-3/8" - CONC. 1-1/4" - CMU	1"	4"	25"	30-1/4"		

### NOTES:

- 1. 2X BUCK IS NOT FOR INSTALLATION AT SILL. THRESHOLD SHALL BE FASTENED IN ACCORDANCE WITH ANCHOR LOCATIONS SHOWN ON SHEET 2.
- 2. ANCHORS MAY BE STAGGERED AS SHOWN IN DETAIL 4/4.

PREPARED BY:



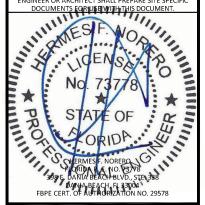
## BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744.4738 WEB: www.buildingdrops.com

DESIGN PRO/SMOOTH PRO NON-IMPACT OPTIONAL 2X BUCK ANCHORING DETAILS

BY DATE REMARKS Add ADA sill, Multi-Point Lock & Radius Lite Reference DWG. #A010835A | AM | 09/05/1

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENER AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIF SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT FROM THE REQUIREMENTS DETAILED HEREIN. A LICENSEE ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS CAPITALLY REQUIREMENTS.



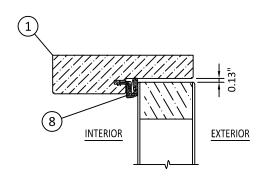
02.05.14

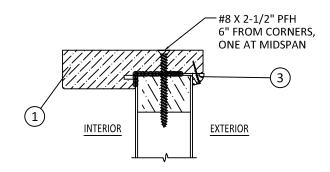
DWG. BY: CHK. BY: SS/MSS

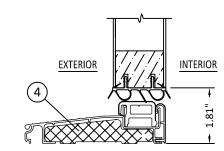
NTS SCALE:

SHEET:

D015690 DWG. #:



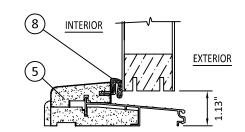




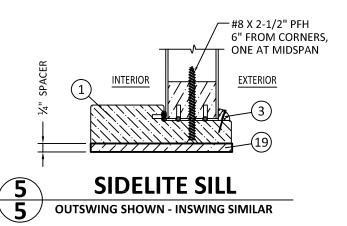


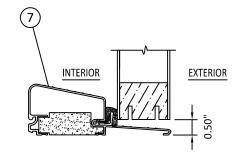




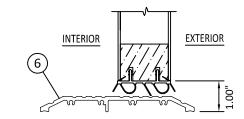




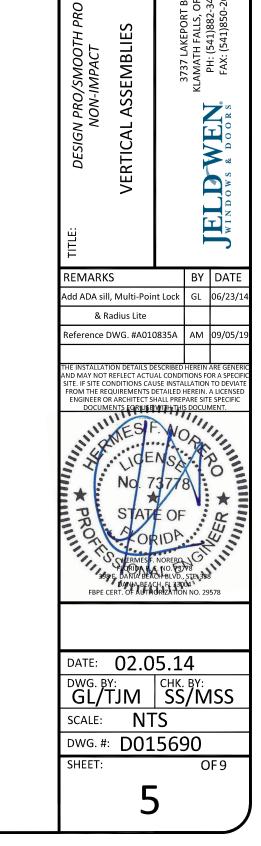












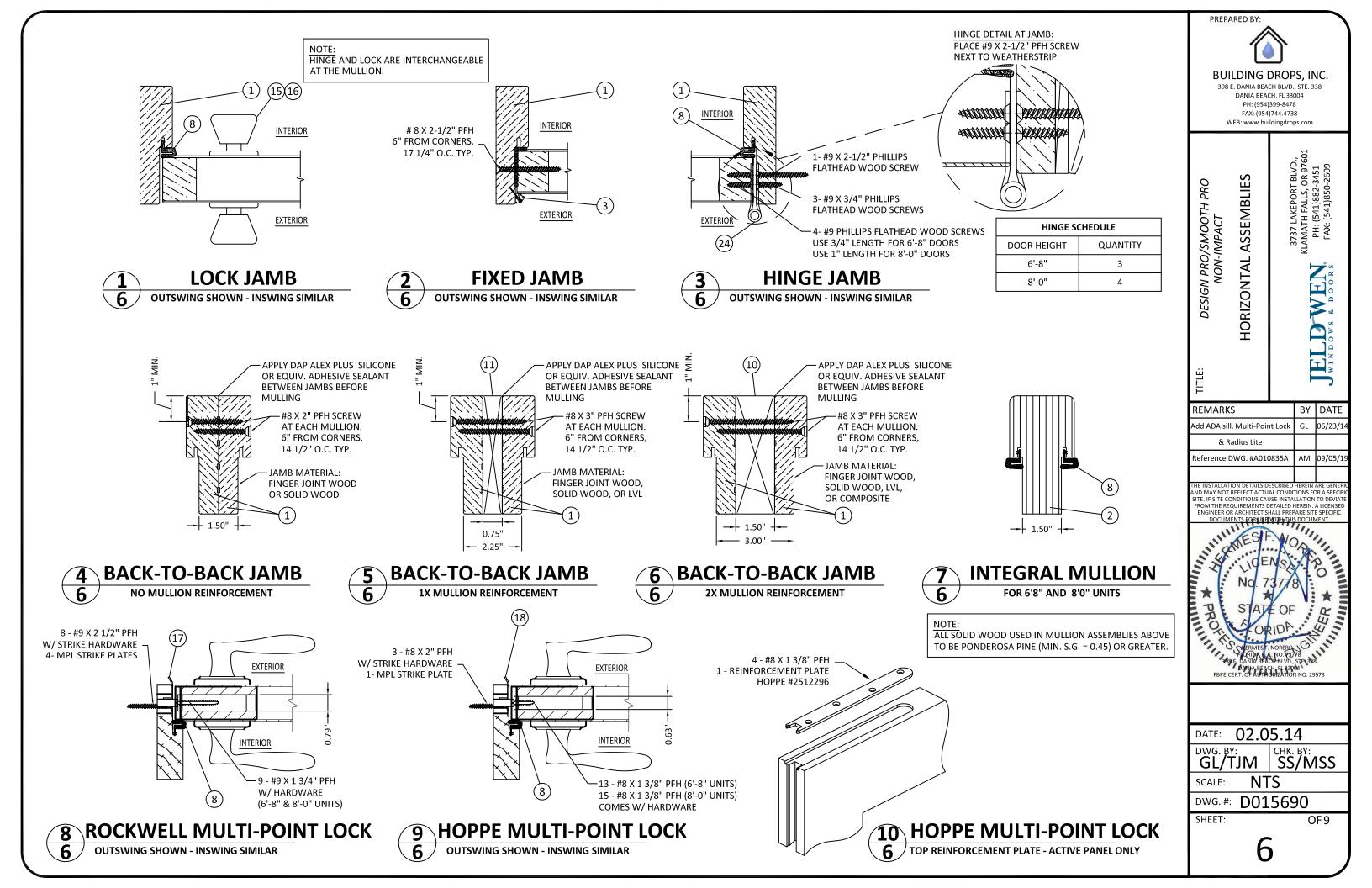
PREPARED BY:

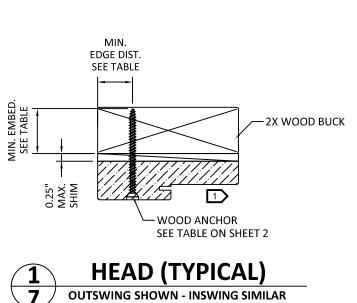
BUILDING DROPS, INC.

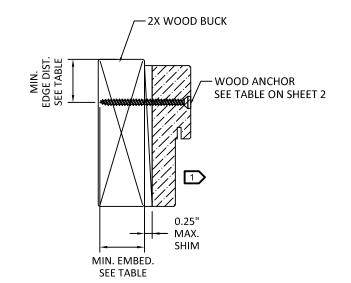
398 E. DANIA BEACH BLVD., STE. 338

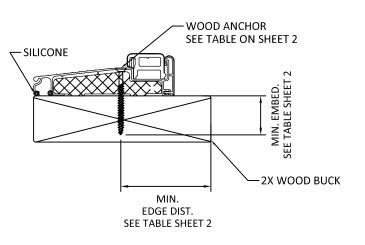
DANIA BEACH, FL 33004

PH: (954)399-8478 FAX: (954)744.4738 WEB: www.buildingdrops.com





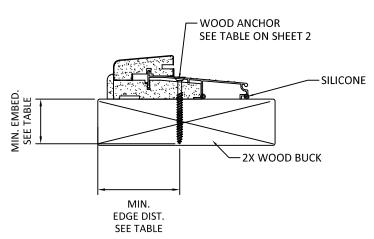


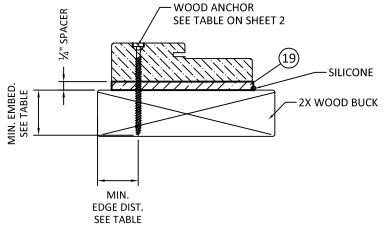


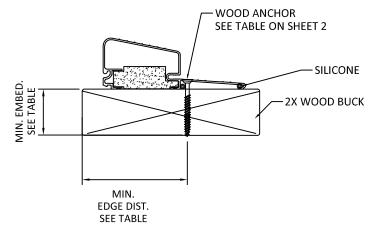








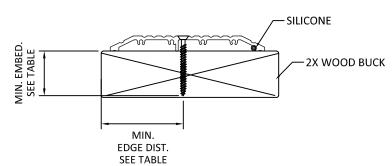




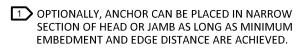


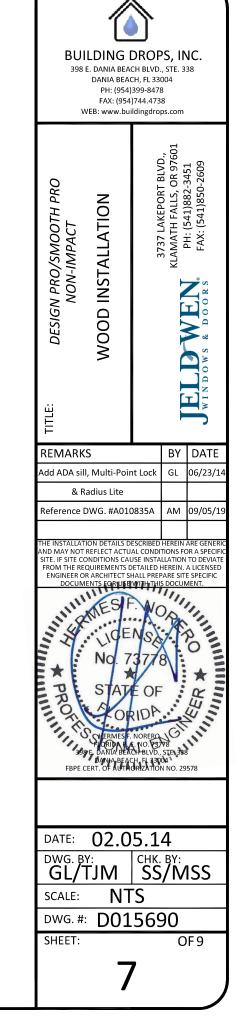












PREPARED BY:

