ANDERSEN CORPORATION

100 SERIES SINGLE HUNG WINDOW (NON-IMPACT)

INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. THROUGH FRAME/INSTALLATION CLIP: FOR INSTALLATION INTO 2X WOOD FRAME USE TWO (2) #8 WOOD SCREWS PER INSTALLATION CLIP OR ONE (1) #8 WOOD SCREW THROUGH FRAME PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 5. THROUGH FRAME/INSTALLATION CLIP: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/ MASONRY, USE ONE (1) 3/16 INCH ITW TAPCON THROUGH FRAME PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MIMIMUM EMBEDMENT OR ONE (1) OF THE FOLLOWING THROUGH EACH INSTALLATION CLIP:
- 5.1. 3/16 INCH ELCO CRETE-FLEX SS4 THROUGH INSTALLATION CLIP PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- 5.2. 1/4 INCH ELCO AGGRE-GATOR THROUGH INSTALLATION CLIP PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- 5.3. 1/4 INCH HILTI KWIK-CONII THROUGH INSTALLATION CLIP PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- 1/4 INCH POWERS TAPPER THROUGH INSTALLATION CLIP PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- 6. THROUGH FRAME/INSTALLATION CLIP: FOR INSTALLATION THROUGH METAL STUD USE TWO (2) #8 SELF-TAPPING SCREWS PER INSTALLATION CLIP OR ONE (1) #8 SELF TAPPING SCREW THROUGH FRAME PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE.
- 7. NAILING FIN: FOR INSTALLATION THROUGH 2X WOOD FRAME USE ONE (1) #8 WOOD SCREW OR 8D COMMON NAIL PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- 8. NAILING FIN: FOR INSTALLATION THROUGH METAL STUD USE ONE (1) #8 SELF-TAPPING SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL STRUCTURE.
- 9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 10.INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 11.FOR 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.
- 12.INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- 13.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE **FOLLOWING PROPERTIES:**
- A. WOOD MINIMUM SPECIFIC GRAVITY OF 0.42.
- B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
- C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90. MIN. COMPRESSIVE STRENGTH OF 1500 PSI.
- D. STEEL MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS. (20 GUAGE)
- E. ALUMINUM 1/8" MINIMUM THICKNESS (6063-T5).

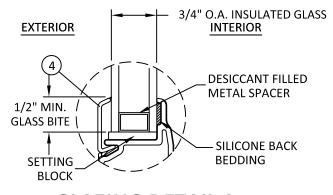
GENERAL NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL RESIDENTIAL CODE AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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.
- 3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. 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.
- 5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. WINDOW FRAME MATERIAL: FIBREX®.
- 7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.
- 8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
- X: OPERABLE PANEL
- O: FIXED PANEL
- 9. CUSTOM SIZES AVAILABLE UPON REQUEST.

TABLE OF CONTENTS			
SHEET	SHEET DESCRIPTION		
1	GENERAL NOTES, INSTALLATION NOTES & GLAZING DETAIL		
2	ELEVATIONS		
3	ELEVATIONS & ANCHOR LAYOUTS		
4	THROUGH FRAME/INSTALLATION CLIP ANCHOR LAYOUTS		
5	VERTICAL SECTIONS		
6	HORIZONTAL SECTIONS		
7	COMPONENTS & BILL OF MATERIALS		

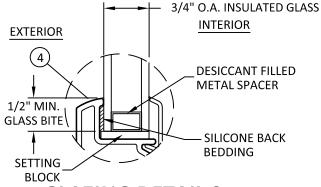
SIZE & CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
(O/X) 47 1/2" X 77 1/2"	+/- 30 PSF	NON-IMPACT
(O/X) 41 1/2" X 95.5"	+/- 30 PSF	NON-IMPACT
(O/O/X) 47 1/2" X 95 1/2"	+/- 30 PSF	NON-IMPACT
(O/X,O,O/X) 143 1/2" X 71 1/2"	+/- 30 PSF	NON-IMPACT
(O/X,O/X,O/X) 143 1/2" X 71 1/2"	+/- 30 PSF	NON-IMPACT
(O,O,O) 143 1/2" X 23 1/2"	+/- 30 PSF	NON-IMPACT

1. APPROVED "X" CONFIGURATIONS MAY ALSO BE "O" CONFIGURATIONS.



GLAZING DETAIL 1

GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E 1300 GLASS CHART REQUIREMENTS



GLAZING DETAIL 2

GLASS THICKNESS AND TYPE SHALL COMPLY WITH ASTM E 1300 GLASS CHART REQUIREMENTS



BAYPORT, MN 55003-1096 PH: (651) 264-5150 FX: (651) 264-5485

TALLATION I DETAILS TLE: 100 SERIES SINGLE

EACH BLVD., STE ILDING | E. DANIA BEA DANIA BEA

BY DATE REMARKS HE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENER

ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIE ITE. 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



HERMES F. NORERO, P.E. TEXAS P.E. No 118471 BUILDING DROPS, INC E. DANIA BEACH BLVD. # 338

DATE: 10.09.2019 CHK. BY:

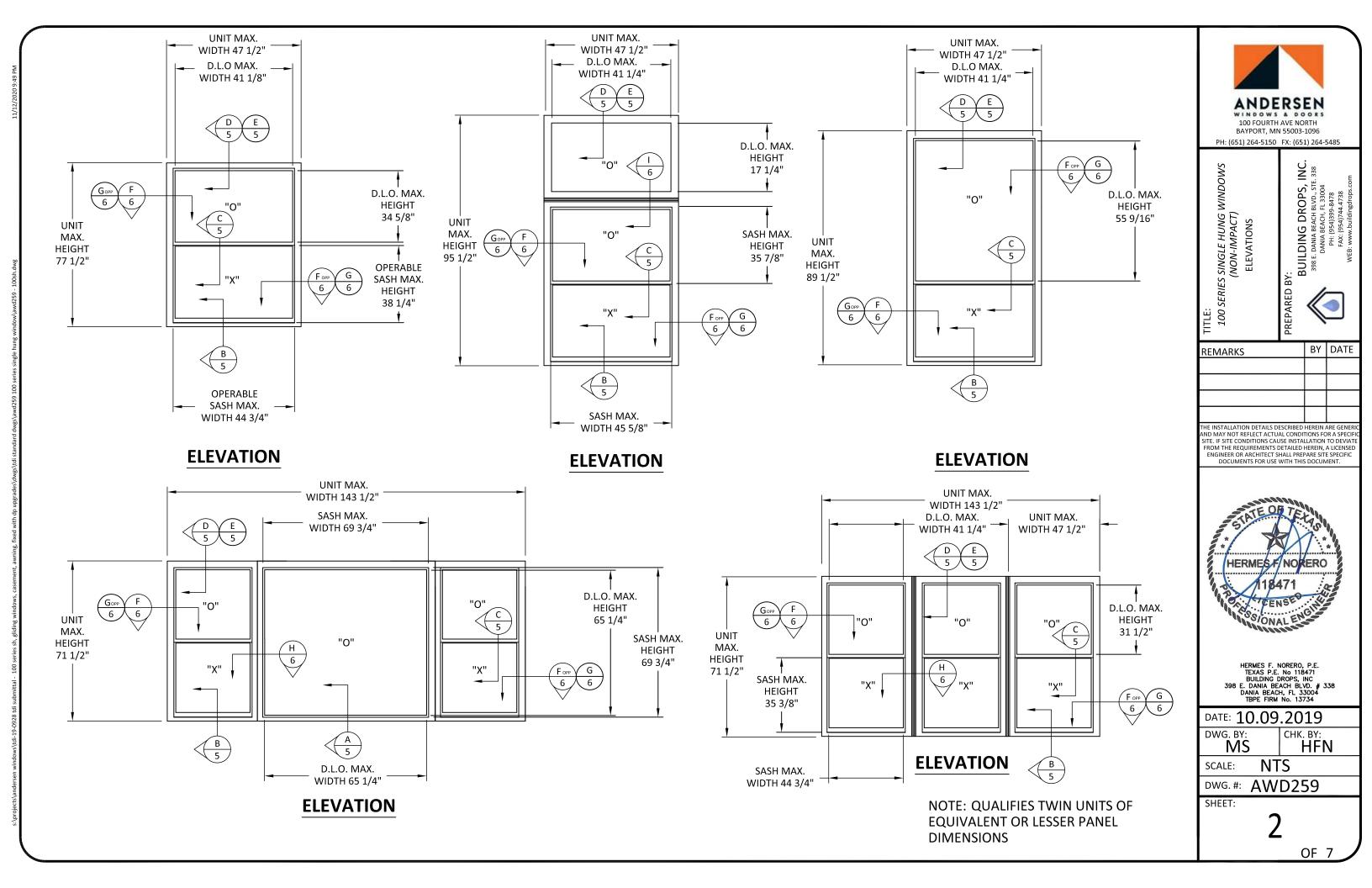
DWG. BY: MS

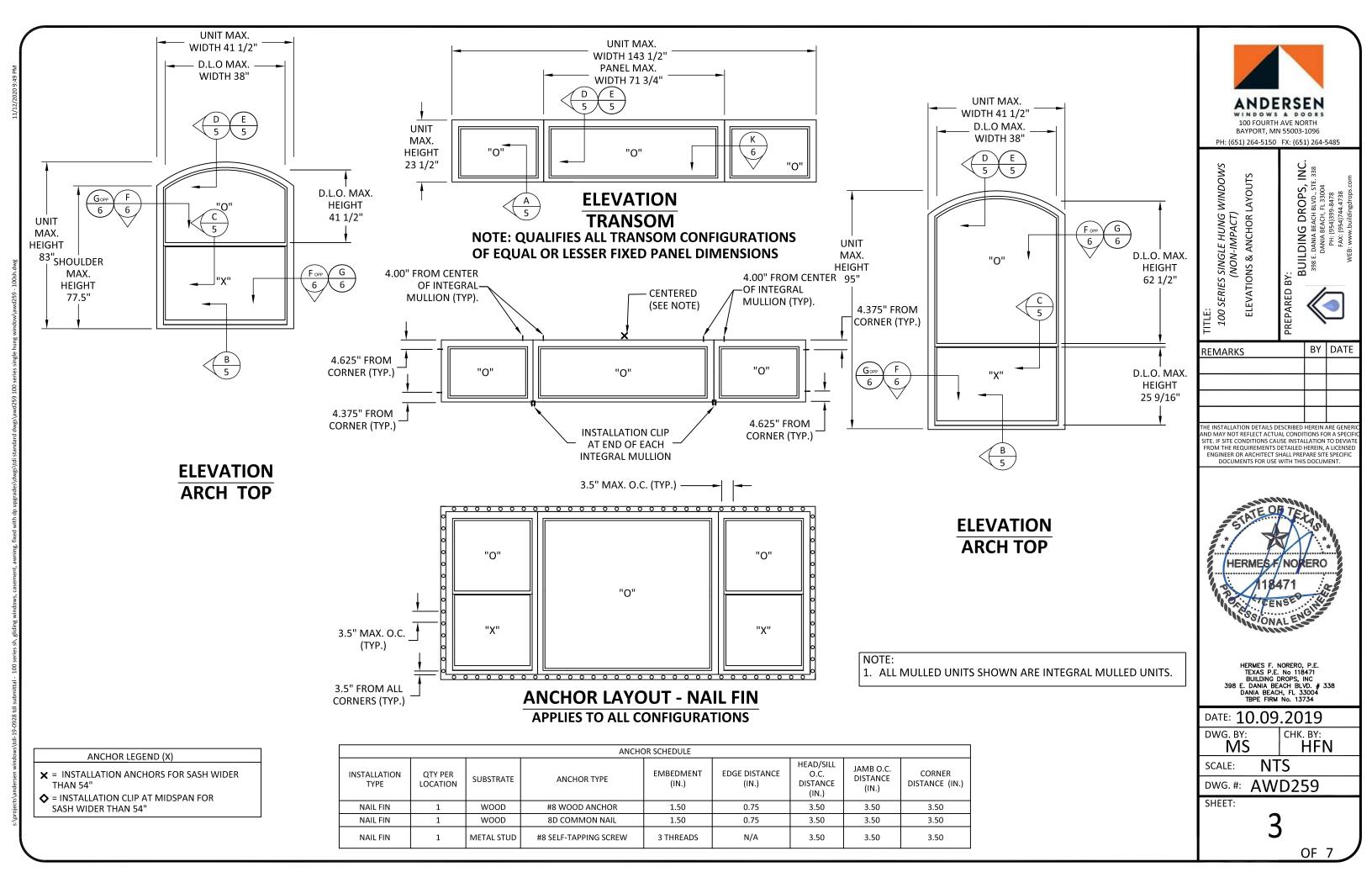
HFN NTS SCALE:

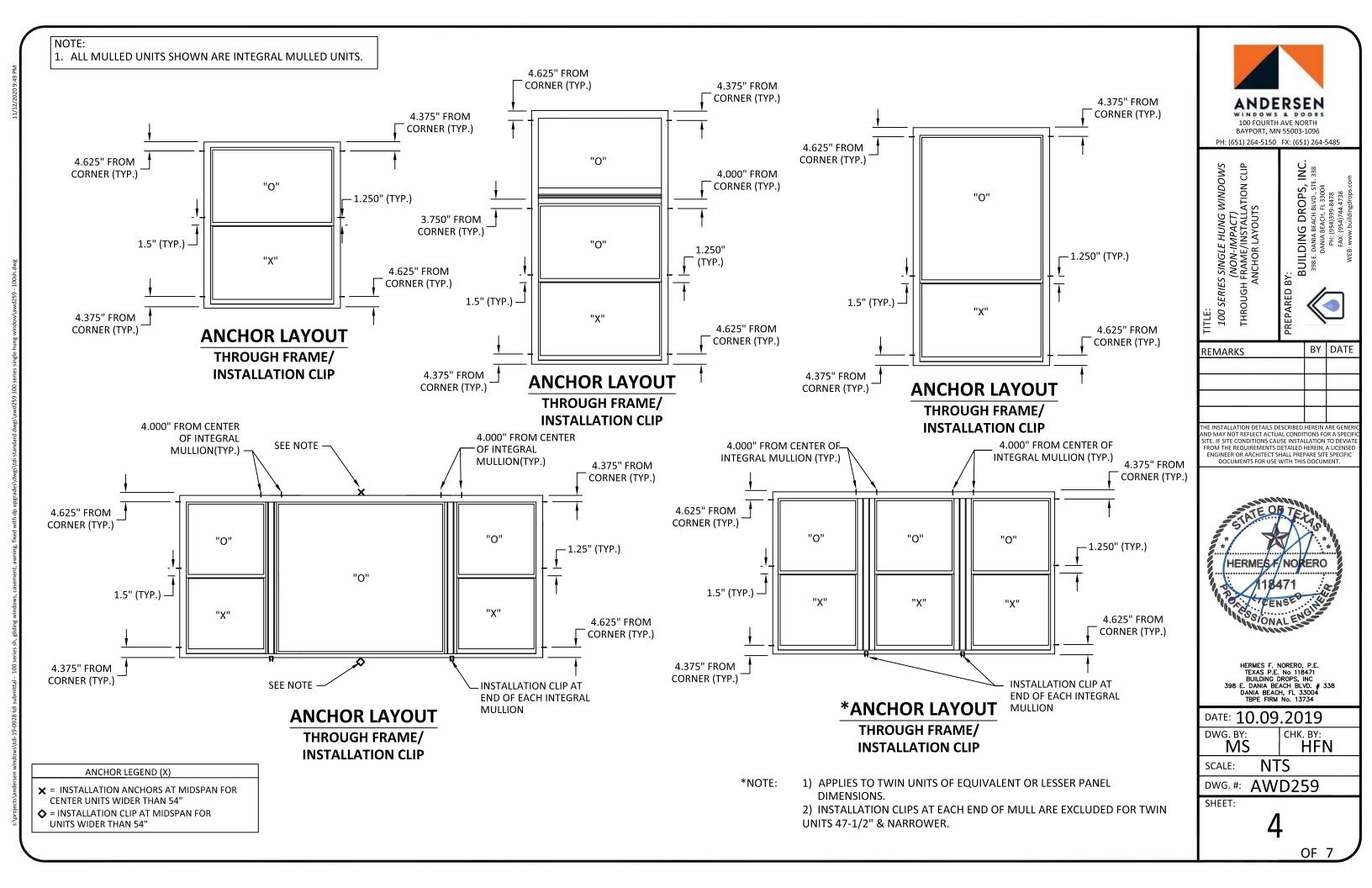
AWD259 DWG. #:

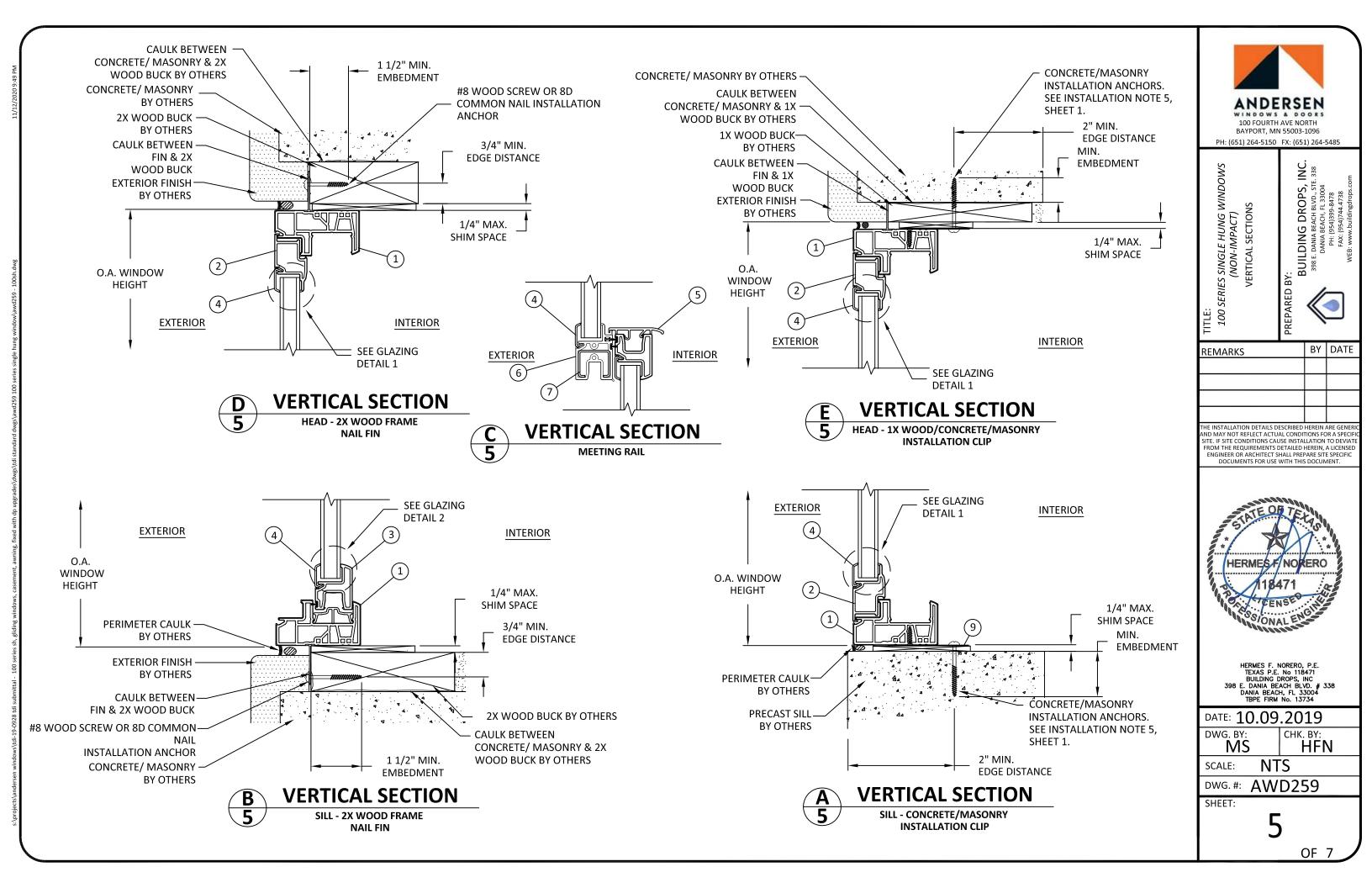
SHEET:

OF 7

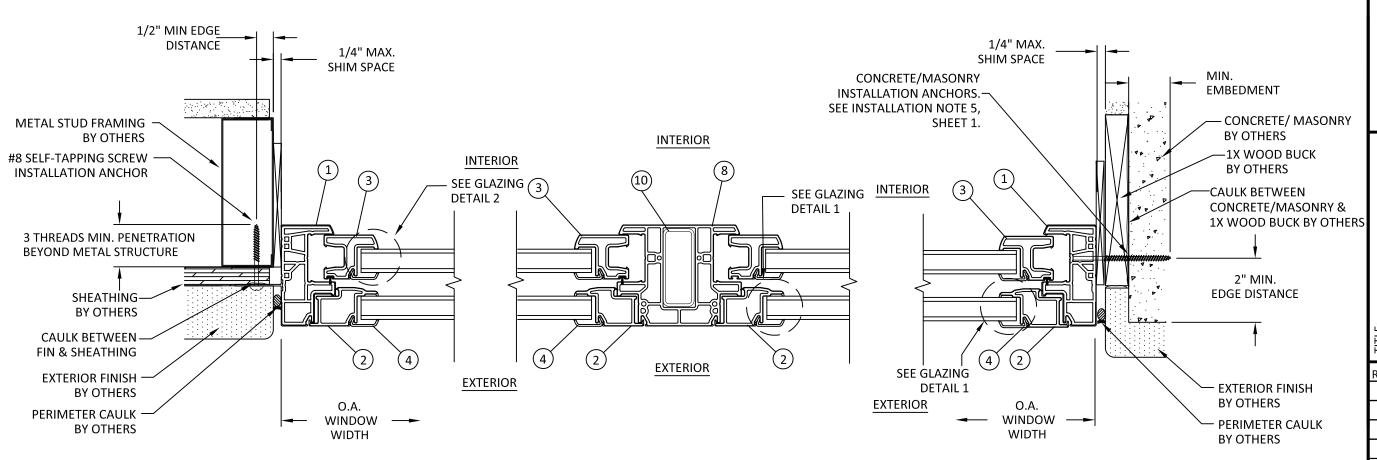


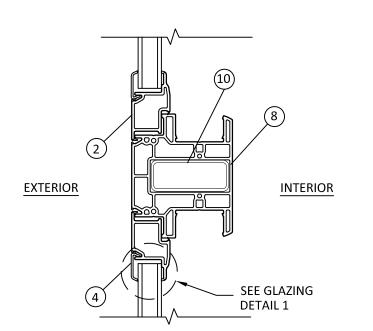












HORIZONTAL SECTION

JAMB - METAL STUD FRAME

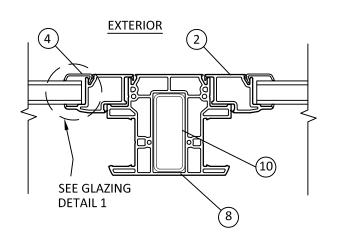
NAIL FIN





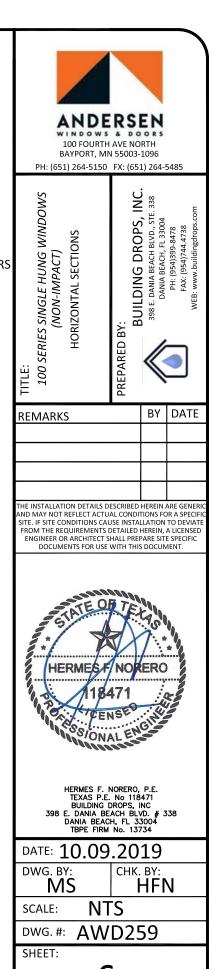
INTEGRAL MULLION POST SINGLE HUNG TO SINGLE HUNG SINGLE HUNG TO FIXED(SIMILAR) 6 HORIZONTAL SECTION

JAMB - 1X WOOD/CONCRETE/MASONRY
THROUGH FRAME



INTERIOR



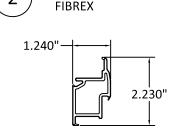


b

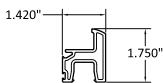
OF 7

NO.	PART NUMBER
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
(3)	OPERABLE SA

FRAME 1 **FIBREX** 1.750" 3.250"







GLAZING BEAD PVC

BILL OF MATERIAL

DESCRIPTION

FRAME

FIXED SASH STILE

OPERABLE SASH STILE

GLAZING BEAD

OPERABLE INTERLOCK

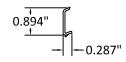
FIXED SASH MEETING RAIL

FIXED SASH REINFORCEMENT

INTEGRAL MULLION

INSTALLATION CLIP

MULLION STIFFENER



MATERIAL

FIBREX

FIBREX

FIBREX

PVC

PVC

FIBREX

GALVANIZED STEEL

FIBREX

STAINLESS STEEL

AL. 6063-T5

MANUFACTURER

ANDERSEN

ANDERSEN

ANDERSEN

ANDERSEN

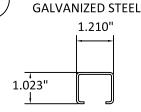
ANDERSEN

ANDERSEN ANDERSEN

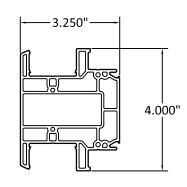
ANDERSEN ANDERSEN

ANDERSEN

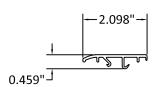
FIXED SASH REINFORCEMENT



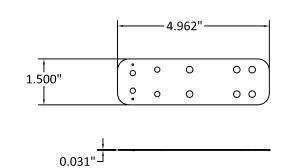
INTEGRAL MULLION 8 **FIBREX**



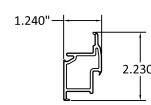
OPERABLE INTERLOCK 5



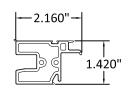
INSTALLATION CLIP 9 304 SS



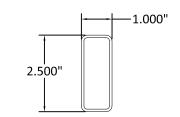
FIXED SASH STILE FIBREX



FIXED SASH MEETING RAIL 6 **FIBREX**



MULLION STIFFENER 10 **ALUMINIUM 6063-T5**





BAYPORT, MN 55003-1096 PH: (651) 264-5150 FX: (651) 264-5485

TITLE: 100 SERIES SINGLE HUNG WINDOWS (NON-IMPACT) COMPONENTS & BILL OF MATERIALS

REMARKS

BUILDING DROPS, IN 398 E. DANIA BEACH BLVD., STE. 3 DANIA BEACH, FL 33004 PH: (954)399-8478 FAX: (954)744.4738

BY DATE

HE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERI IND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIF ITE. 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.



HERMES F. NORERO, P.E. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM No. 13734

DATE: 10.09.2019

DWG. BY: MS

CHK. BY: HFN NTS

SCALE: DWG. #: AWD259

SHEET:

OF 7