

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ) & IS LARGE MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.
11. ALL WOOD MEMBERS OF THIS PRODUCT THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC REQUIREMENTS.

CORNER CONSTRUCTION

SILL CORNERS: SIDE JAMBS ARE COPED & BUTTED TO SILL AND SECURED WITH 3 NO. 8 X 2 1/2" FH WOOD SCREWS AT EACH HEAD CORNER AND 3 NO. 8 X 3" WOOD SCREWS AT EACH CORNER & SEALED WITH A GASKET & DOW 1166 SILICONE SEALANT.

HEAD FRAME RADIUS END JOINT: SIDE JAMB IS SQUARE CUT AND SECURED TO RADIUS JAMB WITH AN INSTALLATION CLIP (1 1/2" X 20 GA. X 11" LONG GALVANIZED STEEL). EACH PLATE IS FASTENED WITH 12 NO. 6 X 5/8" SS FH WOOD SCREWS (6 EACH SIDE OF JOINT).

DOOR PANEL CORNERS: RAILS ARE BUTTED TO STILES & JOINED WITH 3/4" X 3" LONG WOOD DOWELS; 2 DOWELS PER EACH HEAD RAIL TO LOCK STILE CORNER, 4 DOWELS PER EACH HEAD RAIL TO HINGE STILE CORNER, AND 3 DOWELS PER EACH SILL RAIL TO STILE CORNER. ALL CORNERS ARE SILICONED ALONG THE CORNER SURFACES.

CLAD CORNERS: CLADDING IS MITER CUT & SECURED WITH A 1/4" BEAD OF SILICONE.

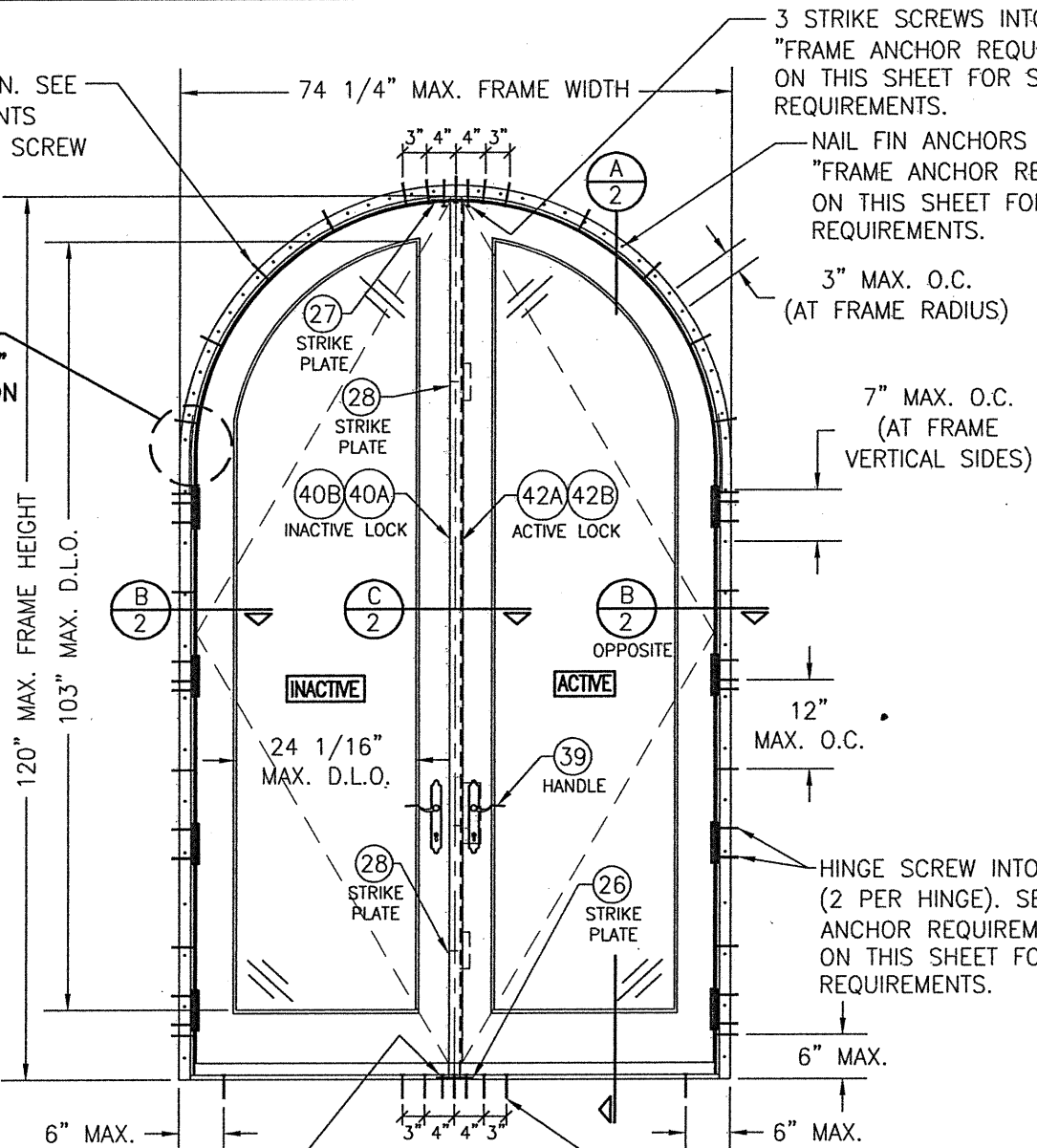
FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/HINGE/STRIKE SCREWS			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
NAILING FIN			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
SILL SCREWS			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/2"	2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).

FRAME SCREW WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS. (5 AT HEAD MIDSPAN & MAX. 12" O.C.)

SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET



3 STRIKE SCREWS INTO SUBSTRATE. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

EXTERIOR ELEVATION
DOUBLE RADIUS OUTSWING DOOR
SCALE: 3/4" = 1'-0"

ALLOWABLE DESIGN PRESSURE
+60/-70 PSF

ANCHOR/SUBSTRATE EVALUATION NOTE:
ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC ENGINEER'S REVIEW & CERTIFICATION.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:
W.R.M.

CHECKED BY:
W.W.S.

PLOT:
1=16

DATE:
12/13/06

DATE

BY

REVISION

DESCRIPTION

NO.

02/07/09

WRM

A1

NEW LOCK & GLAZING

1

11/01/11

WRM

B1

UPDATE TO CURRENT STANDARDS

2

02/09/17

WWS

C1

UPDATE TO CURRENT STANDARDS

3

08/03/21

WWS

D1

CHANGE TO STATE APPROVAL

4

DRAWING TITLE

LEGACY LIFEGUARD FRENCH OUTSWING ROUND TOP DOOR

MANUFACTURER

WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

CONSULTANTS

W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION

AUG 03 2021

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.

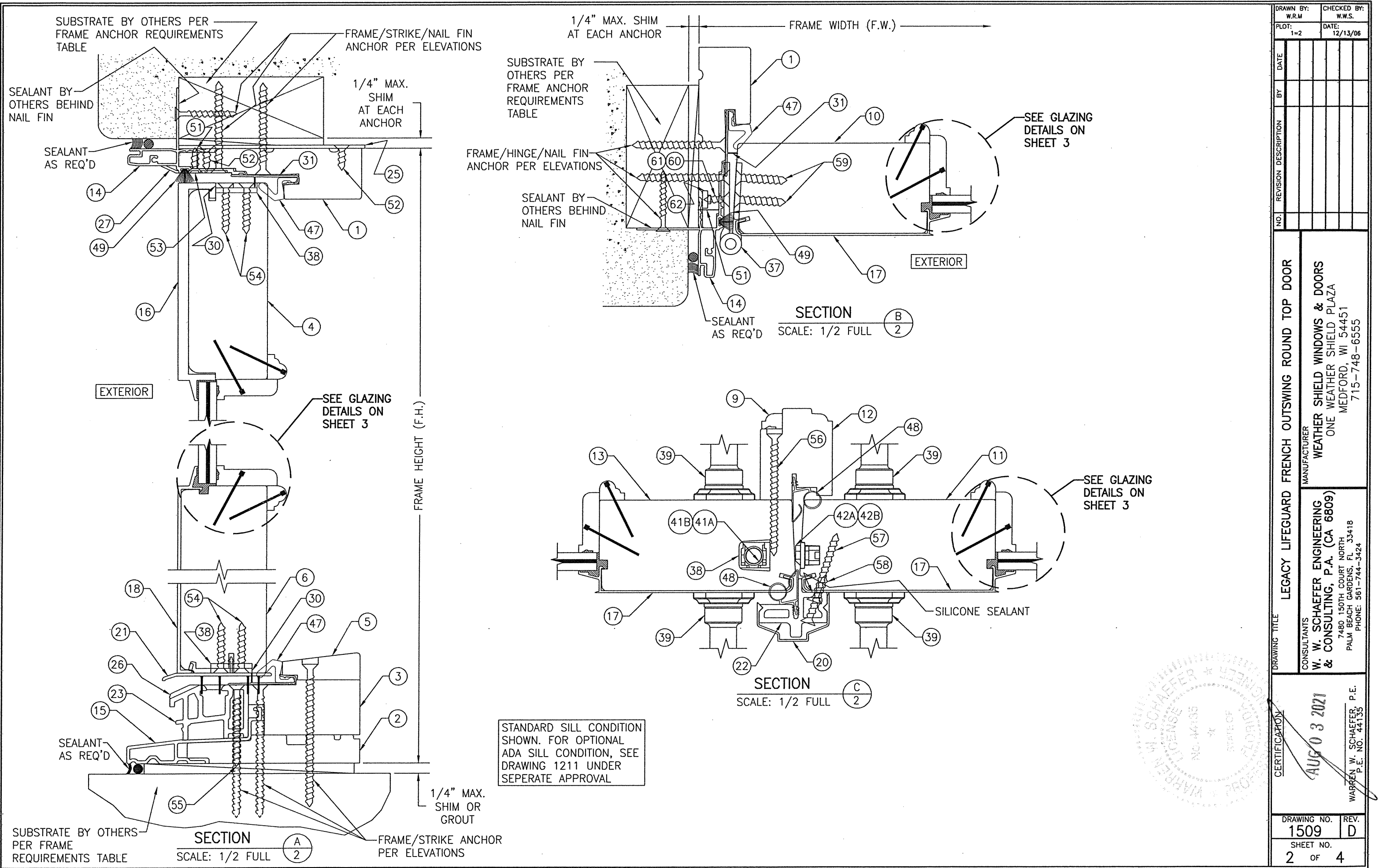
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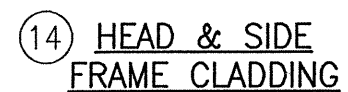
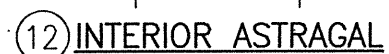
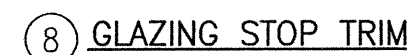
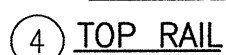
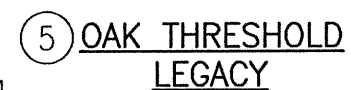
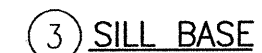
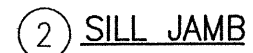
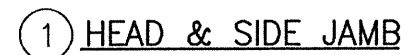
SHEET NO.

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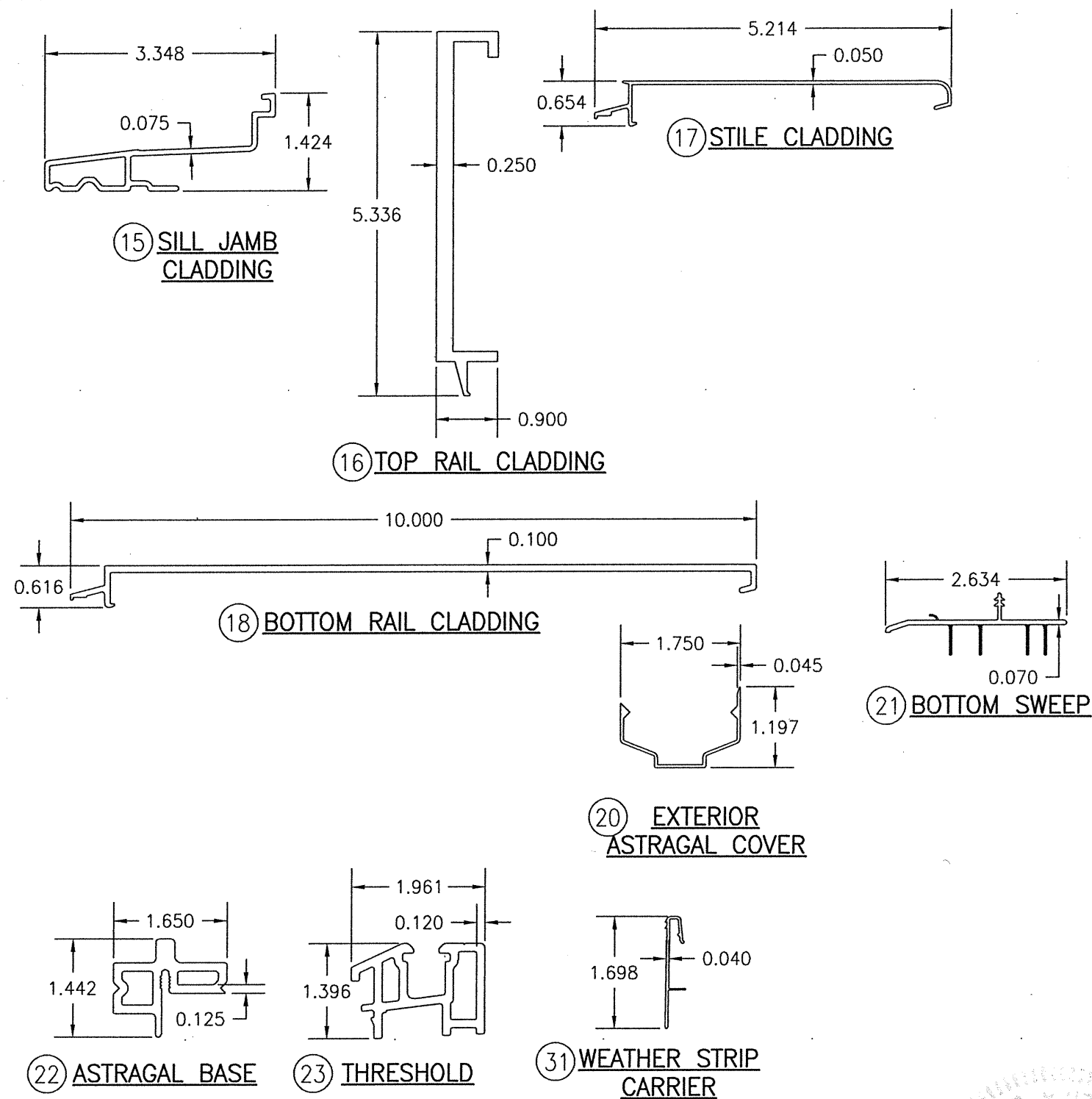


GLAZING OPTION 1: SIKA SIKAFLEX 552 STRUCTURAL SILICONE AT INTERIOR & EXTERIOR
GLAZING OPTION 2: NATIONAL STARCH HT-20 AT INTERIOR & NATIONAL STARCH
 PERFECT GLAZE H AT EXTERIOR

[illegible]

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD & SIDE JAMB	* WOOD
2	SILL JAMB	* WOOD
3	SILL BASE	* WOOD
4	TOP RAIL	* WOOD (PINE CORE BLOCK)
5	OAK THRESHOLD LEGACY	OAK
6	BOTTOM RAIL	* WOOD (PINE CORE BLOCK)
7	GLAZING STOP	* WOOD
8	GLAZING STOP TRIM	* WOOD
9	ASTRAGAL SCREW CAP	* WOOD
10	HINGE STILE	* WOOD (PINE WITH LVL CORE)
11	LOCK STILE	* WOOD (PINE WITH LVL CORE)
12	INTERIOR ASTRAGAL	* WOOD
13	INACTIVE MEETING STILE	* WOOD (PINWITH LVL CORE)
14	HEAD & SIDE FRAME CLADDING	6063-T5 OR 6063-T4 ALUMINUM
15	SILL JAMB CLADDING	6063-T5 ALUMINUM
16	TOP RAIL CLADDING	6063-T5 ALUMINUM
17	STILE CLADDING	6063-T5 ALUMINUM
18	BOTTOM RAIL CLADDING	6063-T5 ALUMINUM
20	EXTERIOR ASTRAGAL COVER	6063-T5 ALUMINUM
21	BOTTOM SWEEP	VINYL
22	ASTRAGAL BASE	6063-T5 ALUMINUM
23	THRESHOLD	VINYL
24	GROMMET	PVC
25	HEAD JAMB BACKER PLATE (10.125" X 4.50" X .080")	STAINLESS STEEL
26	SILL STRIKE PLATE (4.000" X 2.817" X .125")	304 S.S.
27	HEAD STRIKE PLATE (5.634" X 1.762" X .060")	304 S.S.
28	TONGUE STRIKE PLATE (5.000" X 1.000" X .059")	304 S.S.
30	PANEL CORNER REINFORCEMENT BAR (10.100" X 1.000" X .120")	304 S.S. - 1 PER PANEL CORNER
31	WEATHER STRIP CARRIER	VINYL
HARDWARE		
37	4 X 4 ADJUSTABLE HINGE	HOPPE
38	10 MM SHOOT BOLT GUIDE	NYLON 6, 30% GLASS FIBER
39	HANDLE SET	AS REQUIRED TO OPERATE DOOR LOCKS
40A	2-POINT CONCEALED INACTIVE PANEL LOCK SET	HOPPE
40B	2-POINT CONCEALED INACTIVE PANEL LOCK SET	ASHLAND XP45
41A	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	HOPPE NORTH AMERICA HLS SERIES
41B	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	ASHLAND XP45
42A	5-POINT ACTIVE PANEL LOCK ASSY. W/SHOOT BOLTS	HOPPE NORTH AMERICA HLS 9000 SERIES
42B	5-POINT ACTIVE PANEL LOCK ASSY. W/SHOOT BOLTS	ASHLAND XP45
SEALS & SEALANTS		
47	HEAD, SILL & SIDE TFT WEATHERSTRIP	FOAM
48	INTEK ARLOC WEATHERSTRIP	VINYL
49	AMESBURY WEATHERSTRIP	PILE
FASTENERS		
50	F16 X 1 1/2" BRAD NAIL	2" FROM ENDS & 12" MAX. O.C.
51	3/16" X 1 1/2" STAPLE	3" FROM ENDS & 20" MAX. O.C.
52	NO. 7 X 5/8" FH WOOD SCREW	8 PER HEAD JAMB BACKER PLATE
53	NO. 7 X 5/8" FH WOOD SCREW	2 PER HEAD STRIKE PLATE
54	NO. 8 X 1 1/4" WOOD SCREW	4 PER CORNER REINFORCEMENT PLATE
55	NO. 8 X 1 1/2" FH SMS SCREW	2 PER STRIKE PLATE
56	NO. 8 X 3" FH WOOD SCREW	2" FROM ASTRAGAL ENDS & 6" O.C.
57	NO. 8 X 2" FH DRYWALL SCREW	1 1/2" & 2 1/2" FROM PANEL ENDS
58	NO. 8 X 1 1/4" WOOD SCREW	10" FROM ASTRAGAL ENDS & 8" O.C.
59	NO. 8 X 1 1/4" WOOD SCREW	4 PER HINGE
60	NO. 8 X 5/8" FH S.S. WOOD SCREW	2 PER HINGE (BOTTOM 2 HINGES)
61	NO. 8-32 X 5/8" FH S.S. MACHINE SCREW	2 PER HINGE (TOP 2 HINGES)
62	NO. 8-32 "T-NUT"	2 PER HINGE (TOP 2 HINGES)

* WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.

[illegible]