

GENERAL NOTES - MATERIAL SPECIFICATIONS

STRENGTH OF MATERIALS

1. CONCRETE (STANDARD STONE AGGREGATE)
FOUNDATION AND SLAB ON GRADE - $f_c = 3,000$ PSI AT 28-DAYS.
2. REINFORCED STEEL DEFORMED BAR ASTM A615 GRADE 60
3. ALUMINUM COMPONENTS
 - COMPOSITE PANELS ALUMINUM ALLOY 3105 H14/H25
 - ROOF PANEL MINIMUM CORE MATERIAL 1.0# DENSITY EXPANDED POLY-STRENE
 - ALL FASTENERS MUST BE SUITABLY COATED, TREATED OR STAINLESS STEEL
 - MINIMUM SPACING OF FASTENERS SHALL BE FOUR TIMES THE NOMINAL FASTENER DIAMETER AND FASTENERS SHALL NOT BE PLACED WITHIN FOUR FASTENER DIAMETERS OF ANY EDGE.

THERMAL BARRIER REQUIREMENTS

1. FOAM CORE COMPOSITE PANELS WHEN USED IN THE CONSTRUCTION OF A DWELLING OR AN ADDITION WHICH IS OPEN TO AN EXISTING DWELLING (NO DOORS), SHALL BE SEPARATED FROM THE INTERIOR OF THE DWELLING BY AN APPROVED THERMAL BARRIER OF 1/2" GYPSUM WALL BOARD OR EQUIVALENT.

GLASS ROOMS

1. REFER TO SUPPLIED DESIGN INFORMATION ON EXTRUSIONS, PANEL CHARTS, CONNECTIONS AND FOUNDATIONS FOR SPECIFIC APPLICATIONS AS REQUIRED.
2. THE INFORMATION CONTAINED ON THE ENCLOSED SHEETS IS INTENDED AS A MINIMUM GENERAL GUIDLINE AND DOES NOT EXCLUDE THE USE OF ALTERNATE DETAILS WHERE ACCEPTED BY THE ENFORCING AGENCY AND OR DESIGNED BY A PROFESSIONAL ENGINEER.
3. WALL MEMBERS AND COLUMNS SHALL BE CONSIDERED AS BOTH VERTICAL LOAD BEARING ELEMENTS AND AS MEMBERS SPANNING VERTICALLY TO RESIST THE SOLID WALL LOADS.
4. ROOF PANELS FOR THESE STRUCTURES SHALL BE DESIGNED FOR AN ENCLOSED OR PARTIALLY ENCLOSED STRUCTURE PER IRC REQUIREMENTS.

SCREEN ROOMS

1. REFER TO SUPPLIED DESIGN INFORMATION ON EXTRUSIONS, PANEL CHARTS, CONNECTIONS AND FOUNDATIONS FOR THE SPECIFIC APPLICATIONS AS REQUIRED.
2. THE INFORMATION CONTAINED ON THE ENCLOSED SHEETS IS INTENDED AS A MINIMUM GENERAL GUIDLINE AND DOES NOT EXCLUDE THE USE OF ALTERNATE DETAILS WHERE ACCEPTED BY THE ENFORCING AGENCY AND OR DESIGNED BY A PROFESSIONAL ENGINEER.
3. POSTS AND COLUMNS SHALL BE CONSIDERED AS BOTH VERTICAL LOAD BEARING ELEMENTS AND AS MEMBERS SPANNING VERTICALLY TO RESIST LATERAL LOADS.
4. ROOF PANELS FOR THESE STRUCTURES SHALL BE DESIGNED FOR A "SCREEN ROOM" STRUCTURE PER IRC REQUIREMENTS.

THESE DRAWINGS SUPPLEMENT
OTHER INFORMATION PROVIDED
BY SOUTHERN EXPOSURE
SUNROOMS OF WILMINGTON, NC
910-793-2762

WINDOWS AND DOORS

1. STRUCTURAL ALUMINUM SUPPORT AND FRAMING MEMBERS USED IN NEW CONSTRUCTION OR RETROFIT OF GLASS PANE WINDOWS AND/OR DOORS UNDER NEW OR EXISTING ALUMINUM PANEL ROOFS SHALL COMPLY WITH THE DESIGN REQUIREMENTS OF IRC.
2. GLASS PANE WINDOW AND/OR ALUMINUM DOOR ROOM ENCLOSURES SHALL COMPLY WITH THE ELECTRICAL REQUIREMENTS OF THE N.E.C.
3. ALUMINUM PRIME WINDOWS AND SLIDING GLASS DOORS SHALL COMPLY WITH A.N.S.I./A.A.M.A. VOLUNTARY SPECIFICATIONS 101-88.
4. POLY-VINYL CHLORIDE PRIME WINDOWS AND SLIDING GLASS DOORS SHALL COMPLY WITH A.N.S.I./A.A.M.A. VOLUNTARY SPECIFICATIONS 101V086.
5. GLASS PANE WINDOW AND/OR DOOR ROOM ENCLOSURES CONSTRUCTED UNDER NEW OR EXISTING PITCHED COMPOSITE PANEL ROOFS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-0".
6. ALL EXIT ENTRY DOORS IN GLASS PANE WINDOW ENCLOSURES SHALL BE A MINIMUM OF ONE AND ONE-HALF INCH (1.5") THICK PRIME ALUMINUM DOORS. DOOR GLASS SHALL COMPLY WITH THE REQUIREMENTS OF IRC.
7. ALL WINDOWS AND DOORS SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS FOR WOOD FRAME CONSTRUCTION EXCEPT THAT #10 SHEET METAL SCREW SHALL BE SUBSTITUTED FOR WOOD FASTENERS.
8. WINDOWS AND DOORS WITH IMPACT GLASS MAY BE USED IN LIEU OF STORM PANELS IN WIND-BORNE DEBRIS AREAS.

GENERAL NOTES - RESIDENTIAL

1. ALL WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE, 2015 INTERNATIONAL RESIDENTIAL CODE WITH NORTH CAROLINA AMENDMENTS, 2018 EDITION, PLUS LOCAL CODES AND REGULATIONS (NORC). WORK NOT DETAILED SHALL COMPLY WITH THE REQUIREMENTS OF THE NORC.
2. SECTIONS AND DETAILS SHOWN SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
3. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND TAKE ALL NECESSARY FIELD MEASUREMENTS.
4. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO STABILIZE THE BUILDING DURING CONSTRUCTION.

DESIGN LOADS - RESIDENTIAL

1. DESIGN CRITERIA IS THE NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE, 2015 INTERNATIONAL RESIDENTIAL CODE WITH NORTH CAROLINA AMENDMENTS, 2018 EDITION.
2. WIND LOAD - NORC AND ASCE 7-05, 115 MPH, EXPOSURE B.
3. VERTICAL LOADS SHALL INCLUDE THE FOLLOWING:

LOCATION	LIVE LOAD	DEAD LOAD	SNOW LOAD
FLOOR AND DECKS	40 PSF	20 PSF	
ROOF	20 PSF	10 PSF	10 PSF

FOR
SOUTHERN EXPOSURE SUNROOMS
PO BOX 12007
WILMINGTON, NC 28405
910-763-2762

SOUTHERN EXPOSURE SUNROOMS WILMINGTON, NC	
GENERIC INSTALLATION	
NOTES	
BY: DATE:	CHK: ORDER: S-1



SCOPE OF WORK

Room Style: Glass Enclosure

Demo: Tear out screen, door and applicable framing.

Walls: Install double pane, low e, argon insulated horizontal slider windows.

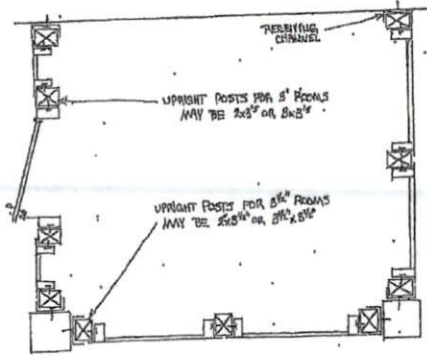
Transom/knee wall: Install double pane, low e, argon insulated glass below all windows.

Door: (1) double pane, low e, full view glass inswing door. Bronze lever and deadbolt.

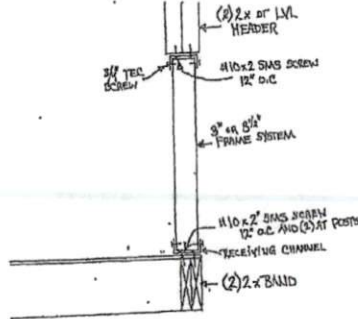
Electric: (3) wall outlets.

Scope Of Work
Irving Shillingford
877 Michas Way
Spring Lake, NC 28390

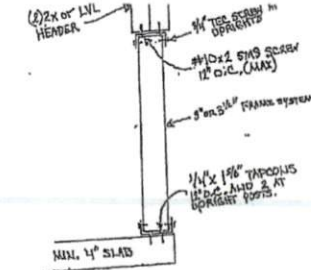
SCOPE OF WORK S-2



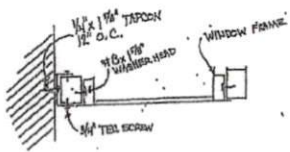
3', 3 1/2', AND 4' ROOM WALL PLAN



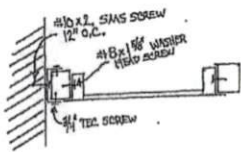
VERTICAL SECTION THRU WALL WOOD FRAMING CONNECTION



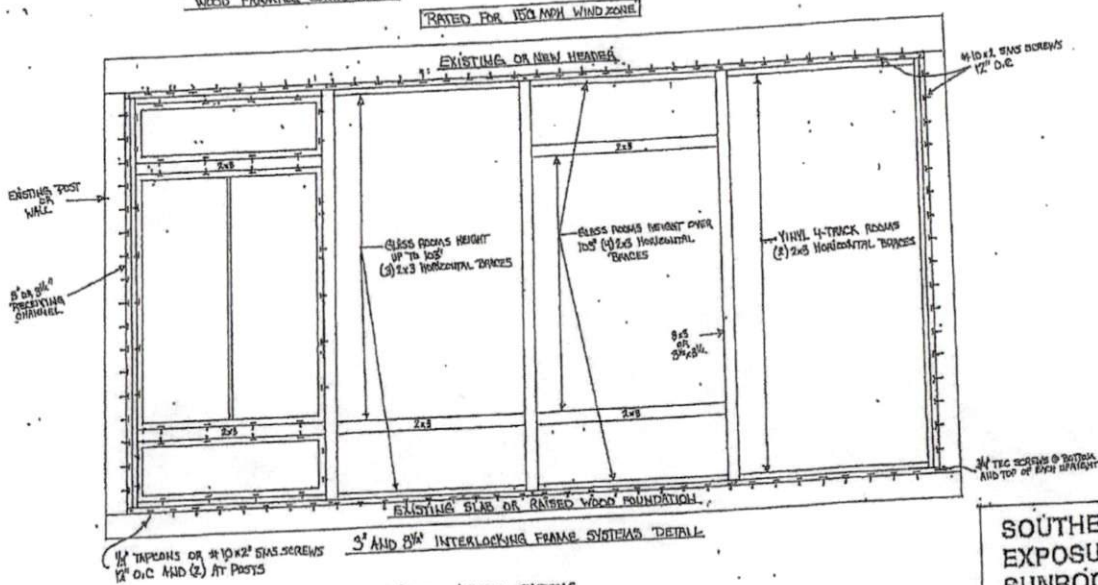
VERTICAL SECTION THRU WALL CONCRETE FOUNDATION CONNECTION



PANEL TO HOST WALL (MASONRY)



PANEL TO HOST WALL (WOOD)



1 WALL / 2 WALL / 3 WALL SYSTEMS EXISTING ROOF AND FOUNDATIONS

Assuming the existing structure is properly built to NCSBC and adequately fastened to the existing home.

When applied to existing roof and foundation structures the receiving channel fastened around the perimeter of the opening ties all fastening points together (foundation, slide host walls, and header of existing structure)

At that point the upright posts when fastened in the interlocking frames provide the adequate dead load support for the roof, and the necessary uplift attachment for the structure.

The horizontal support posts provide additional lateral bracing for the new enclosed structure. The additional lateral load induced by enclosing the existing porch can adequately be transferred back to the existing home assuming it was properly built to NCSBC. The interlocking framework details are adequate for all point loads, lateral loads, and uplift loads.

SOUTHERN EXPOSURE SUNROOMS WILMINGTON, NC

GENERIC INSTALLATION

3" ROOM DETAILS

BY: DATE: CHK: ORDER:



1905 S.M.L. 44th Avenue, Ocala, FL 34147
Ph: 352-368-8822 Fax: 352-368-2328

By: Billy Palster

Quotation

Quote #: 1770877/1

em: palster@southernexposuresunrooms.com

SOUTHERN EXPOSURE SUNROOMS			
Bill To:	Ship To:	Route: CAR-	
P.O. Box 12907 WILMINGTON, NC 28405 Ph: 910 793-2762 Fax: 910 793-2642	SHIP TO 161 FOOLE ROAD - Call 24 hours in advance LIMLAND, NC 28451 Ph: 910 793-2762 Fax: 910 793-2642	Job Name: email	Cost No. SCL/215-3720
Item No. 1	Qty: 2	Price	Total
Model: 8200-OX Color: ADOBE Desc: 8200 Series Horizontal Slider -OX DP:+60/-60, [FLANGE], ADOBE FRAME, 18 x16 Screen LOW E 365, Insulated SCREEN AAMA Std. Gold Labeling ADOBE, FPA #4092.2 DOES NOT MEET EGRESS,			
Dimensions DLO: 36 3/4 x 72 TPI: 38 x 23 1/4 SCREEN: 18 X 16			
8200-OX (RHC Rating) CWS-0-12-0020-0001 / U Factor: 0.32, Solar SHGC: 0.21, V-Transmitt: 0.49			
Item No. 2	Qty: 2	Price	Total
Model: 8200-OX Color: ADOBE Desc: 8200 Series Horizontal Slider -OX DP:+60/-60, [FLANGE], ADOBE FRAME, 18 x16 Screen LOW E 365, Insulated SCREEN AAMA Std. Gold Labeling ADOBE, FPA #4092.2 Clr. Opng. MEETS EGRESS,			
Dimensions DLO: 48 3/4 x 72 TPI: 50 x 23 1/4 SCREEN: 18 X 16			
8200-OX (RHC Rating) CWS-0-12-0020-0001 / U Factor: 0.32, Solar SHGC: 0.21, V-Transmitt: 0.49			
Item No. 3	Qty: 1	Price	Total
Model: 8200-OX Color: ADOBE Desc: 8200 Series Horizontal Slider -OX DP:+51.10/-51.10, [FLANGE], ADOBE FRAME, 18 x16 Screen LOW E 365, Insulated SCREEN AAMA Std. Gold Labeling ADOBE, FPA #4092.2 Tempered Clr. Opng. MEETS EGRESS,			
Dimensions DLO: 48 3/4 x 72 TPI: 50 x 23 1/4 SCREEN: 18 X 16			
8200-OX (RHC Rating) CWS-0-12-0020-0001 / U Factor: 0.32, Solar SHGC: 0.21, V-Transmitt: 0.49			
Item No. 4	Qty: 1	Price	Total
Model: 8200-XO Color: ADOBE Desc: 8200 Series Horizontal Slider -XO DP:+51.10/-51.10, [FLANGE], ADOBE FRAME, 18 x16 Screen LOW E 365, Insulated SCREEN AAMA Std. Gold Labeling ADOBE, FPA #4092.2 Tempered Clr. Opng. MEETS EGRESS,			
Dimensions DLO: 48 3/4 x 72 TPI: 49 7/8 x 23 1/4 SCREEN: 18 X 16			
8200-XO (RHC Rating) CWS-0-12-0020-0001 / U Factor: 0.32, Solar SHGC: 0.21, V-Transmitt: 0.49			

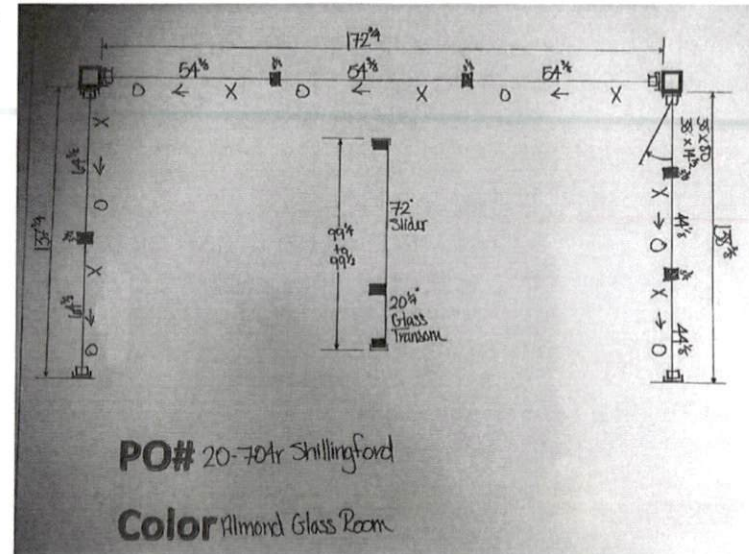
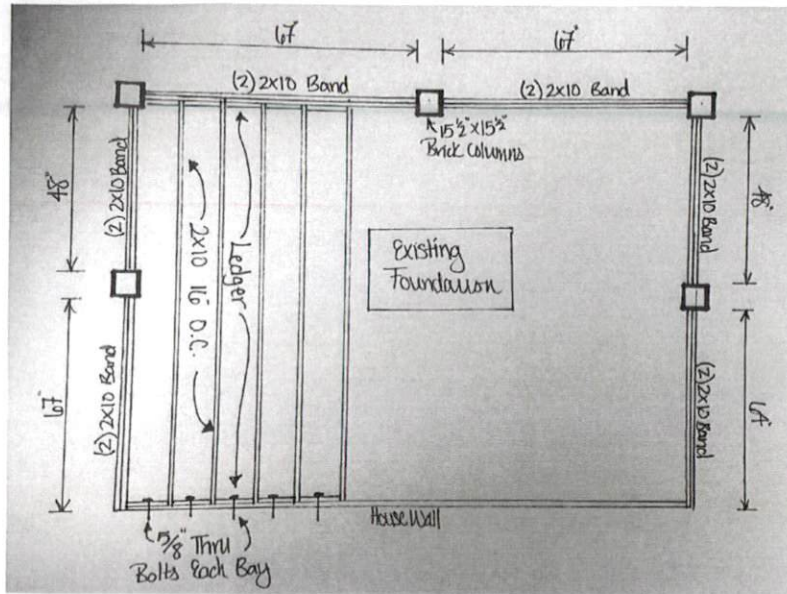
Model: 8200-XO Color: ADOBE Desc: 8200 Series Horizontal Slider -XO DP:+48.40/-48.40, [FLANGE], ADOBE FRAME, 18 x16 Screen LOW E 365, Insulated SCREEN AAMA Std. Gold Labeling ADOBE, FPA #4092.2 Clr. Opng. MEETS EGRESS,				Dimensions DLO: 48 3/4 x 72 TPI: 51 x 23 1/4 SCREEN: 18 X 16	
8200-XO (RHC Rating) CWS-0-12-0020-0001 / U Factor: 0.32, Solar SHGC: 0.21, V-Transmitt: 0.49					
Item No. 6	Qty: 2	Price	Total		
Model: 8150-PW Color: ADOBE Desc: 8150 - Picture Window with Standard Frame DP:+60/-60, **OPEN FLANGE ACCESSORY GROOVE**, [FLANGE], ADOBE FRAME LOW E 365, Insulated AAMA Std. Gold Labeling FPA #4093.2, ADOBE Tempered,					
Dimensions DLO: 36 3/4 x 20 TPI: 38 x 21 1/4					
8150-PW (RHC Rating) CWS-0-23-0015-0001 / U Factor: 0.25, Solar SHGC: 0.22, V-Transmitt: 0.54					
Item No. 7	Qty: 3	Price	Total		
Model: 8150-PW Color: ADOBE Desc: 8150 - Picture Window with Standard Frame DP:+60/-60, **OPEN FLANGE ACCESSORY GROOVE**, [FLANGE], ADOBE FRAME LOW E 365, Insulated AAMA Std. Gold Labeling FPA #4093.2, ADOBE Tempered,					
Dimensions DLO: 48 3/4 x 20 TPI: 50 x 21 1/4					
8150-PW (RHC Rating) CWS-0-23-0015-0001 / U Factor: 0.25, Solar SHGC: 0.22, V-Transmitt: 0.54					
Item No. 8	Qty: 1	Price	Total		
Model: 8150-PW Color: ADOBE Desc: 8150 - Picture Window with Standard Frame DP:+60/-60, **OPEN FLANGE ACCESSORY GROOVE**, [FLANGE], ADOBE FRAME LOW E 365, Insulated AAMA Std. Gold Labeling FPA #4093.2, ADOBE Tempered,					
Dimensions DLO: 48 3/4 x 20 TPI: 49 7/8 x 21 1/4					
8150-PW (RHC Rating) CWS-0-23-0015-0001 / U Factor: 0.25, Solar SHGC: 0.22, V-Transmitt: 0.54					

SOUTHERN EXPOSURE SUNROOMS WILMINGTON, NC

SIMILAR WINDOW SPECIFICATIONS

WINDOW SPECS

BY DATE:	CHK ORDER:	S-4
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SOLID WOOD FRAMING NOTES

1. ALL SOLID WOOD FRAMING SHALL COMPLY WITH THE NATIONAL FOREST PRODUCTS ASSOCIATION "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION," LATEST EDITION.
2. ALL STRUCTURAL DIMENSION LUMBER MEMBERS TO BE MINIMUM SOUTHERN YELLOW PINE (SYP) WITH FB = 1,250-PSI
3. ALL FASTENERS SHALL BE HOT DIP GALVANIZED STEEL, HURRICANE
4. STRAPPING AND TIE DOWNS PER NCRC, ALL METAL FASTENERS SHALL BE HOT DIP GALVANIZED STEEL. HANGERS AND STRAPPING TO BE BY SIMPSON STRONG-TIE OR ACCEPTED EQUAL. 4. ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED LUMBER.

SOUTHERN EXPOSURE SUNROOMS

WILMINGTON, NC

Irving Shillingford
877 Michas Way
Spring Lake, NC 28390

SCOPE OF WORK

S-5