

LivingSpace Sunrooms, LLC  
355 Tomahawk Dr Unit #2  
Maumee, OH 43537  
December 1, 2010

(419) 866-7705 x 101

Mo Madani  
Florida Building Product Approval  
2555 Shumard Oak Boulevard  
Tallahassee, FL 23399

DOA10-DEC-248  
FILING AND ACKNOWLEDGEMENT  
FILED, on this date, with the designated  
Clerk of which is hereby  
acknowledged.  
Paula P. Ford 12/12/10  
Paula P. Ford  
Commission Clerk Date

Dear Mr. Madani:

I would like to introduce myself as the president of LivingSpace Sunrooms, LLC. We are a fabricator of custom sunroom structures that are designed to accept many 3.25" window systems.

We would like to request a Declaratory Statement for our sunrooms under Rule 9N-3. We are of the belief that what we provide is a custom one of a kind pre-engineered building and that our product falls under this rule.

Our question is, does our product fall under the scope of rule 9N-3?

Our dealers have been asked by local building officials for Florida Product approval on our sunroom at the time that they have applied for permits. Because the only portion of our sunroom that does not have an individual product approval is the structure and the structure is engineered and stamped by a Florida PE, we believe that our sunroom would fall under the scope of rule 9N-3 and therefore can not have a Florida product approval number.

In a typical project, our dealer would order a sunroom based on what they have sold to the homeowner. We do the design and engineering of the room based on our system and the local code requirements. We custom cut all of the structural members and order all of the windows and doors and roofing panels from our vendors. We ship all of our structural materials and the windows, doors, and roofing panels to be assembled and installed on the specific jobsite.

What we do is design and engineer custom, one of a kind, sunroom systems that are pre cut and shipped in Knock Down format to our dealer who is a local contractor who then constructs the sunroom on the building site. A typical project consists of a wall structure, windows, doors, and a roof. They are designed style room that is designed to integrate with the current design of the residential home it is being installed on. In Florida, we use window, door, SIP roof panel, and exterior cladding products that are all Florida Product approved individually. We do not fabricate the fenestration and exterior cladding products, but rather supply products that are already Florida approved to be used with our design and structure.

Each room and design is unique and custom designed and engineered. We provide the contractor with site specific drawings that are engineered and stamped by a PE for the state the room is to be built in. All the rooms vary in size, layout, and design and are individually engineered and constructed.

I am enclosing a sample of the site specific engineering that we provide for each room. This is an example of typical of a project done in Florida. Again, this is stamped by a Florida PE.

Mo Madani  
December 1, 2010  
Page 2

What we provide is a vinyl covered aluminum sunroom structure frame system that is made of 6005 T-5 alloy and a known material as per chapter 20 of the code which references the Aluminum Design Manual. These custom designed and engineered, one of a kind structures, accept window and door products that are individually and separately Florida Product Approved. In addition, the roof system is a SIPS roof panel system that has a Florida product approval and is covered on the exterior by typical roofing and exterior cladding products that are supplied by the local contractor. This leaves our frame system as the only portion of our sunroom that does not currently carry a Florida product approval and it is our belief that our wall structure falls under the scope of rule 9N-3.

Please let me know if there is any additional information you would need me to provide in order to grant our request for a declaratory statement for our product.

Sincerely,

Kraig Mackett



# TRANSITIONS Sunrooms

### PROJECT INFORMATION:

CUSTOMER	CUSTOMER RESIDENCE
DEALER	LIVINGS/SPACE SUNROOMS
GLASS TYPE	LOW-E3
BUILDING COLOR	TAN
ROOM STYLE	CATHEDRAL
ROOF SYSTEM	5 1/2" 3-PLY STRUCTURAL SIP PANEL

### TABLE OF CONTENTS

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	PLAN VIEWS
2	ELEVATIONS
3	BUILDING SECTION / CONNECTION DETAILS
4	SECTIONS AND DETAILS
5	SECTIONS AND DETAILS
6	SECTIONS AND DETAILS

### DESIGN CRITERIA

<b>DEAD LOADS</b>	WEIGHT OF ROOF	8 PSF
	WEIGHT OF WALLS	5 PSF
	WEIGHT OF FLOOR	50 PSF
<b>SNOW LOADS</b>	BASIC GROUND SNOW LOAD (Pg)	0 PSF
	ROOF SNOW LOAD	0 PSF
	SNOW EXPOSURE FACTOR	1.0
	THERMAL FACTOR	1.2
	SNOW LOAD IMPORTANCE FACTOR	1.0
<b>LIVE LOADS</b>	ROOF	20 PSF
	FLOOR	40 PSF
<b>WIND LOADS</b>	BASIC WIND SPEED	150 MPH
	GUST EFFECT FACTOR (G)	0.85
	WIND IMPORTANCE FACTOR	1.0
	WIND EXPOSURE	C
<b>SOILS AND FOUNDATIONS</b>	ALLOWABLE FOUNDATION PRESSURE	2500 PSF
	FROST DEPTH	1.00 FT
<b>DEFLECTION LIMITS</b>	ROOF MEMBERS	L/180
	EXTERIOR WALLS	L/120

### LOAD ANALYSIS

WIDTH OF BUILDING	20.00 FT
DEPTH OF BUILDING	20.00 FT
WALL HEIGHT	9.50 FT
AREA OF BUILDING	400 SF
<b>WIND LOAD ANALYSIS</b>	
UPLIFT FORCE	4000 LBS
STRUCTURAL DEAD LOAD	35050 LBS
NET UPLIFT	0 LBS OK
<b>BEARING PRESSURE ANALYSIS</b>	
MAXIMUM UNIFORM WALL LOAD	1228 PLF
FOOTING WIDTH	12 IN
BEARING PRESSURE	1228 PSF OK

### FLORIDA PRODUCT APPROVAL REFERENCE

PRODUCT	MAX. ALLOWABLE SIZE	MIAMI-DADE NOA	TEST REPORT NO.
Horiz. Slider Window Option 1	72"x54"		FET-T133-07
Horiz. Slider Window Option 2	96"x65"	07-0208.07	
Fixed Window Option 1	72"x72"		AT-68365.041-109-44
Fixed Window Option 2	96"x59"	07-0208.07	
Sliding Glass Door Option 1	71"x82"		83040.01-501-44
Sliding Glass Door Option 2	71"x82"		AI-02822-E1 REV. 1
Structural Insulated Panels			PDM4102
Tapcon Concrete Anchors			NI005930
Entry Door	36"x80"		

PREPARED UNDER THE DIRECT CONTROL AND SUPERVISION OF

THE SEAL, SIGNATURE AND TITLE OF THE REGISTERED PROFESSIONAL ENGINEER OR ARCHITECT IS REQUIRED TO BE AFFIXED TO THIS PROJECT

COVER SHEET

CS

TRANSITION FILE NO  
442

BID DESIGN FILE NO  
BD-10-677

DATE

11/12/2010

PROJECT  
CUSTOMER RESIDENCE

PROJECT LOCATION:  
123 ANY ST.  
MIAMI BEACH, FL 33109

TRANSITIONS  
11000 W. 11th Ave.  
Miami, FL 33156  
PH: 305.444.7700  
FAX: 305.444.7702  
www.transitions.com



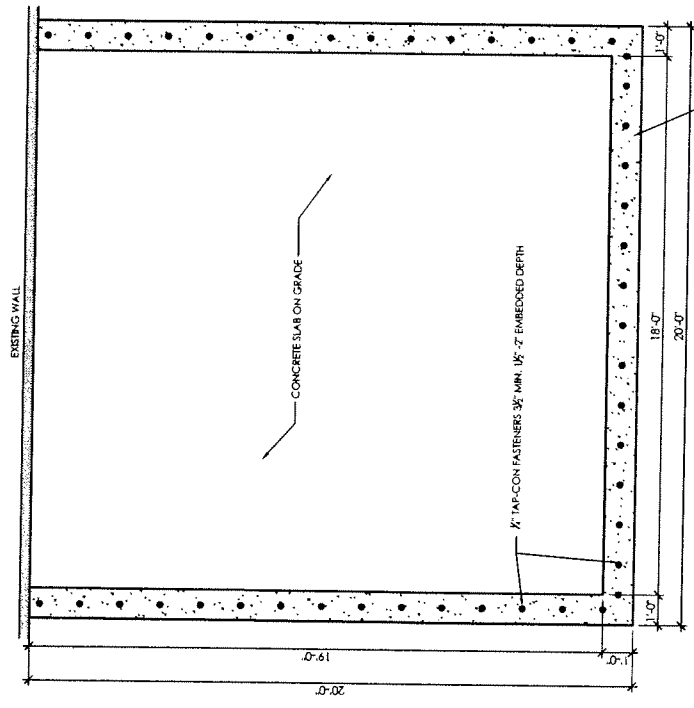
Bud Design &  
Engineering Services, Inc.  
10011 S.W. 11th Ave.  
Suite 100  
Miami, FL 33156  
PH: 305.444.0000  
FAX: 305.444.0000  
www.budesign.com

TRANSITIONS 1710 NE Ave. 54th Miami, FL 33128 PH: 305.775.7725 FAX: 305.775.7722 www.transitionsmiami.com	BUILD DESIGN & ENGINEERING SERVICES, INC. 17000 SW 11th St. Coral Gables, FL 33134 PH: 305.440.0733 FAX: 305.440.0249 www.budesigner.com	PROJECT LOCATION: MIAMI BEACH, FL 33109	DATE: 11/12/2010	PLAN VIEWS 1
	PROJECT: CUSTOMER RESIDENCE	TRANSITIONS FILE NO: 442	BUILD DESIGN FILE NO: BD-10-677	

THIS SET OF DRAWINGS IS TO BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AND STATE AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED BY THE CLIENT.

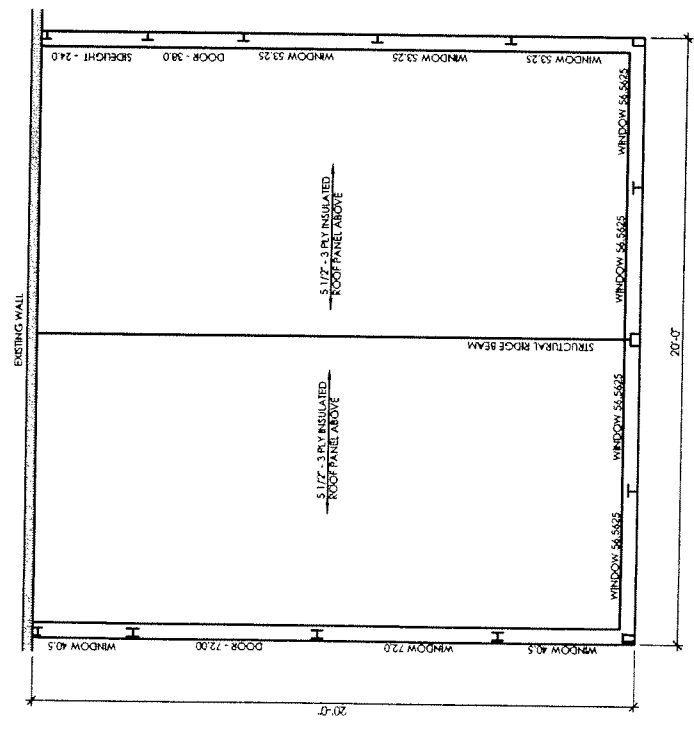
PROVIDER TAKES THE GREATEST CARE AND PRECISION OF

### FOUNDATION PLAN



NOTE: ALL FOUNDATION COMPONENTS ARE TO BE ATTACHED TO THE CONCRETE SLAB ON GRADE WITH 1" TAP-CON FASTENERS (OR EQUIVALENT) LOCATED 12" OFF END AND NO MORE THAN 1/2" ON CENTER.

### LAYOUT PLAN



TRANSITIONS FILE NO. 442  
 BD-10-677  
 DATE 11/12/2010

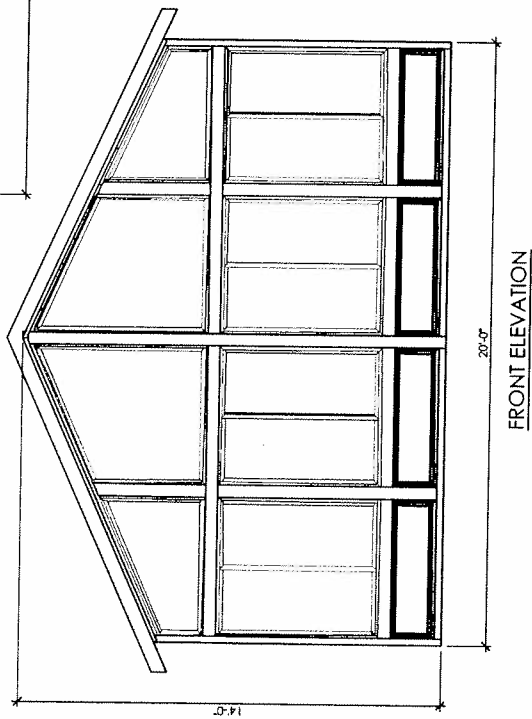
PROJECT CUSTOMER RESIDENCE  
 PROJECT LOCATION 123 ANY ST.  
 MIAMI BEACH, FL 33109

TRANSITIONS  
 2710 NE 136th Ave, Suite 4  
 Pompano Beach, FL 33062  
 PH: 954.884.7705  
 FAX: 954.884.7702  
 Web: www.transitions.com

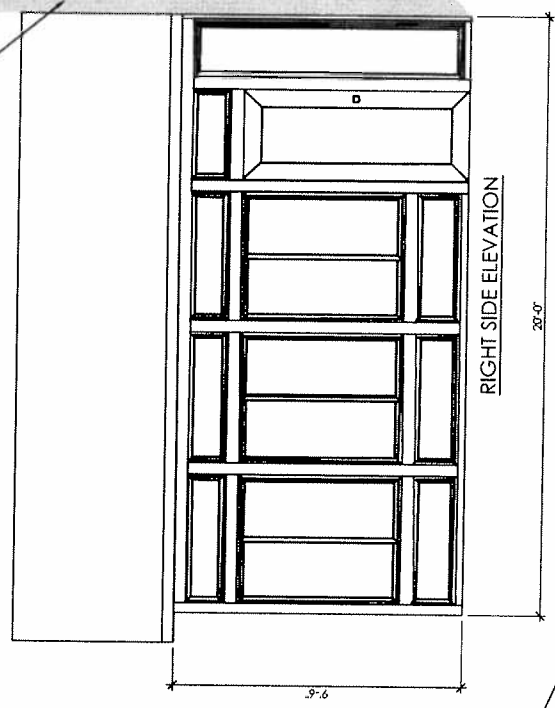
**bd**  
 Bud Design &  
 Engineering Services, Inc.  
 1700 NE 136th Ave, Suite 4  
 Pompano Beach, FL 33062  
 PH: 954.884.7705  
 FAX: 954.884.7702  
 Web: www.budesign.com

THIS SET OF DRAWINGS IS TO BE USED ONLY FOR THE PROJECT AND NOT FOR ANY OTHER PROJECT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

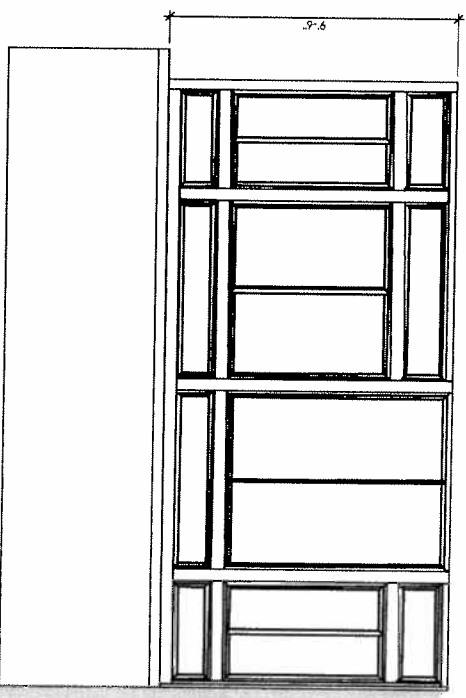
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RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION



EXISTING STRUCTURE

EXISTING STRUCTURE

TRANSITIONS FILE NO. 442  
 BD DESIGN FILE NO. BD-10-677  
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PROJECT: CUSTOMER RESIDENCE  
 PROJECT LOCATION: MIAMI BEACH, FL 33109

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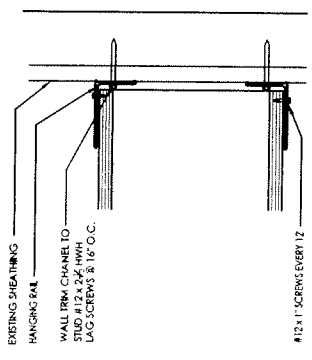
TRANSITIONS  
 1710 NE Ave. Suite 4  
 Pompano Beach, FL 33062  
 Phone: 954.786.7700  
 Fax: 954.786.7702  
 Web: www.transitions.com

Bad Design & Engineering, Inc.  
 10000 SW 15th Ave. Suite 8  
 Coral Gables, FL 33134  
 Phone: 305.441.4000  
 Fax: 305.441.4000  
 Web: www.badengr.com

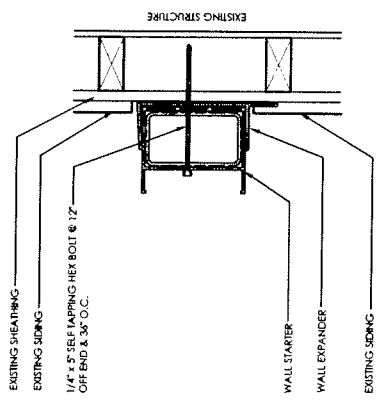
THE SEALING AND FINISHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE SEALING AND FINISHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PREPARED UNDER THE DIRECT CONTROL AND SUPERVISION OF:

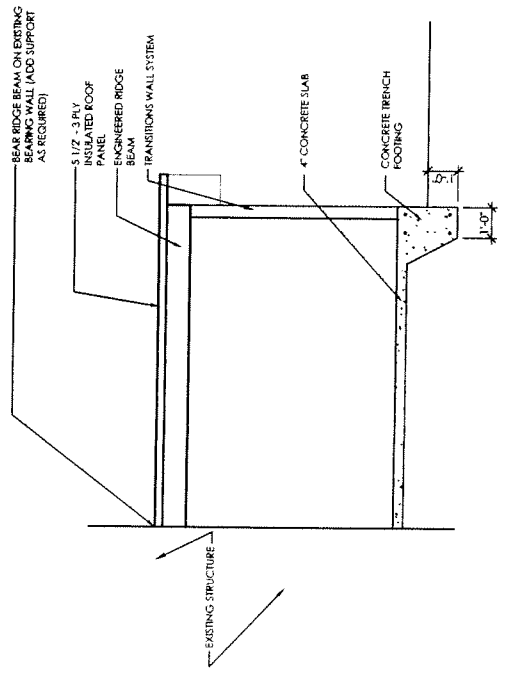
**WALL MOUNT**



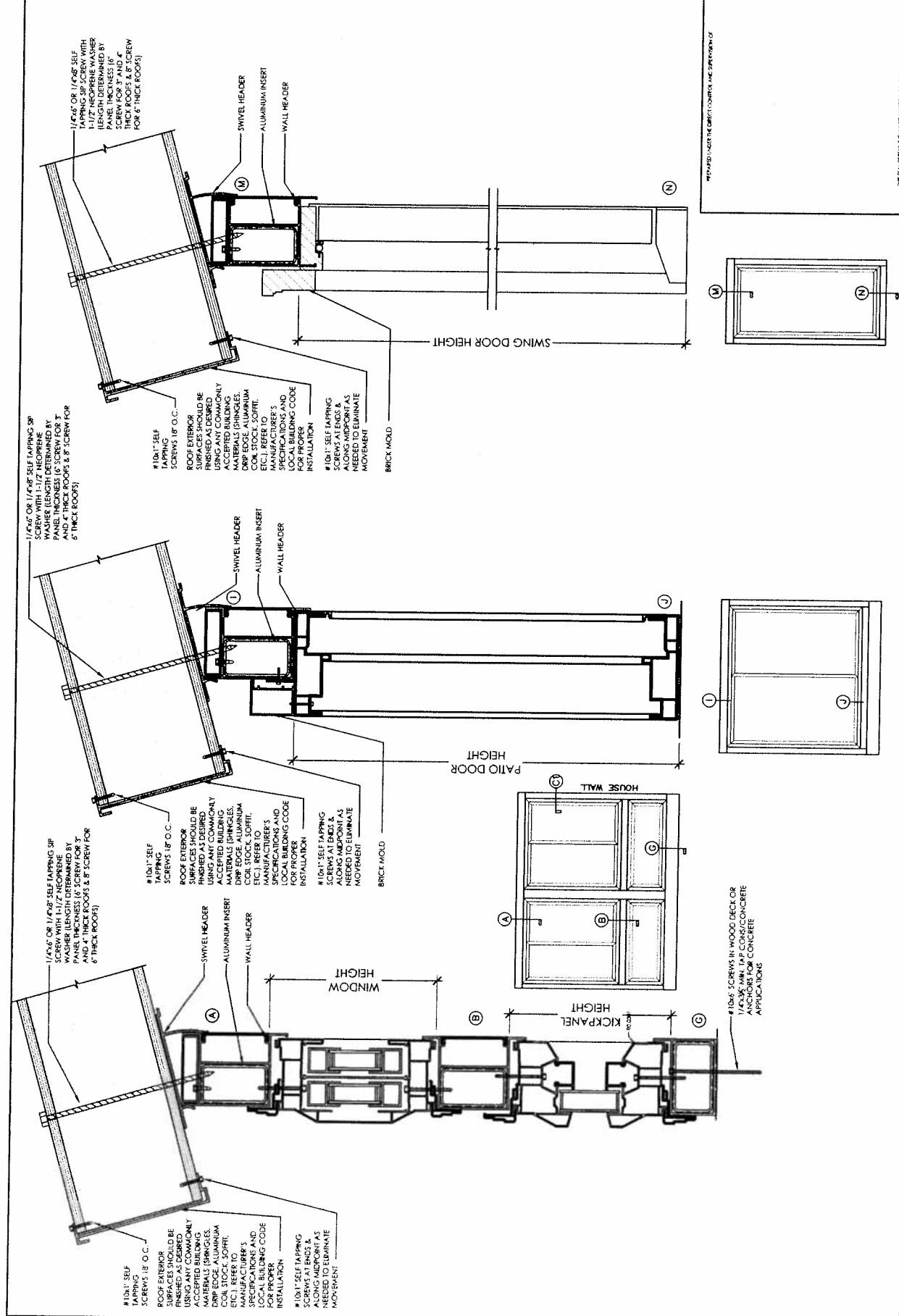
**WALL CONNECTION OSB SUBSTRATE**



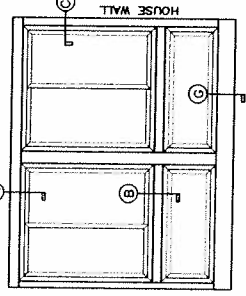
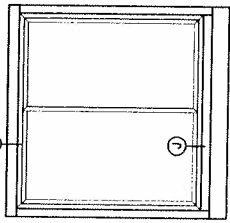
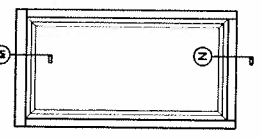
**BUILDING SECTION**



THE SEAL PREPARED BY THE MANUFACTURER IS TO BE USED IN ALL APPLICATIONS UNLESS OTHERWISE SPECIFIED IN THE PROJECT DOCUMENTS. THE SEALING MATERIAL IS TO BE INSTALLED AS SHOWN IN THE DETAILS.

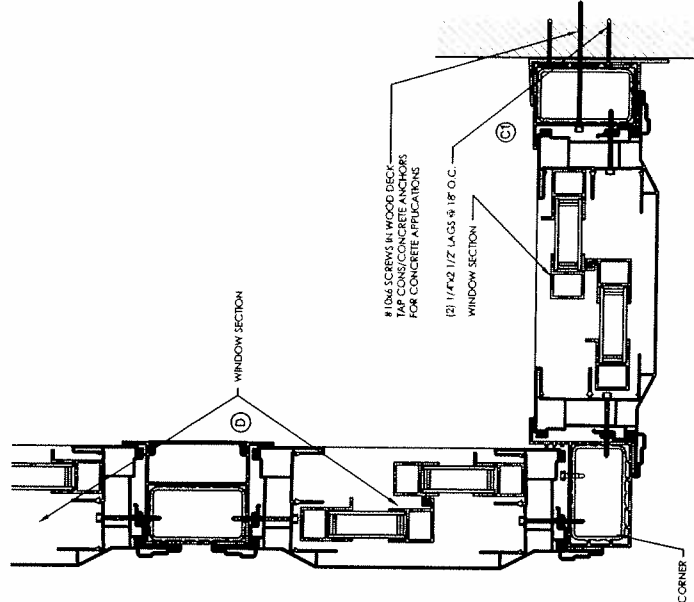


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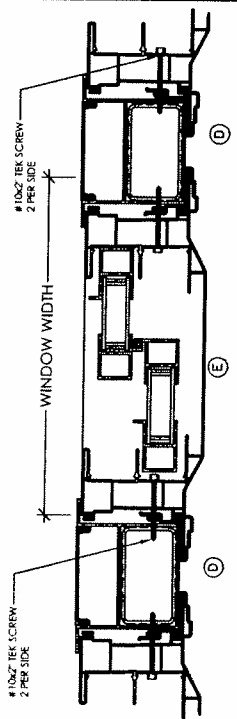
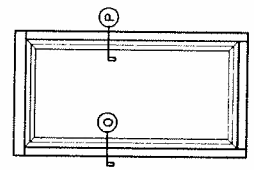
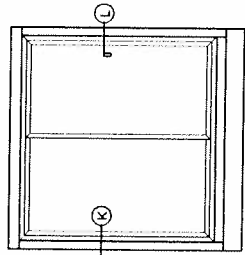
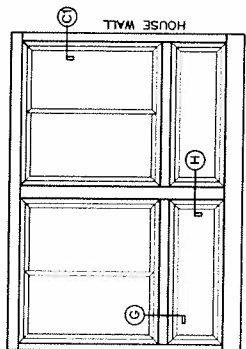
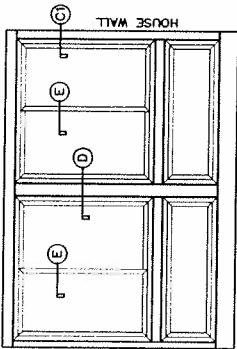


#1846 SCREWS IN WOOD DECK OR CONCRETE. USE CORROSION RESISTANT ANCHORS FOR CONCRETE APPLICATIONS.

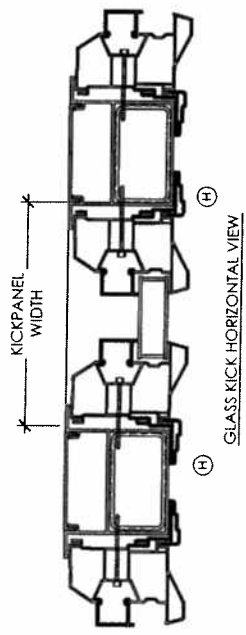
THE DRAWING IS FOR INFORMATION ONLY. IT IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE.



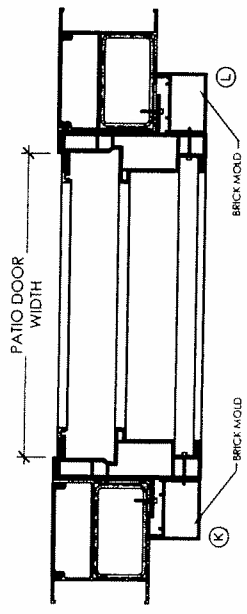
CONNECTIONS & ATTACHMENT PLAN VIEW



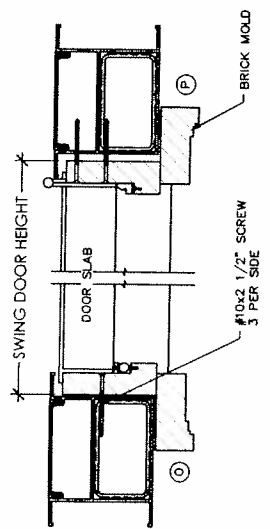
WINDOW HORIZONTAL VIEW



GLASS KICK HORIZONTAL VIEW



PATIO DOOR HORIZONTAL VIEW



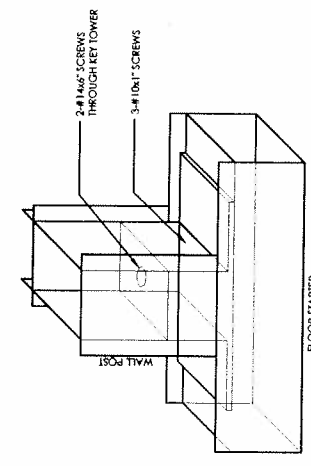
SWING DOOR HORIZONTAL DETAIL



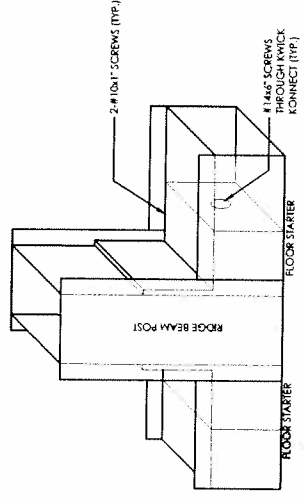
SECTION AND DETAILS

THE SEALING AND FINISHES TO MATERIALS SUPPLIED BY MANUFACTURERS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE SELECTION OF SUCH MATERIALS.

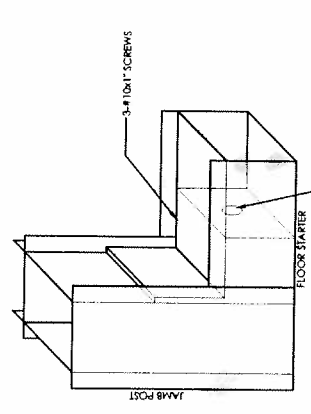
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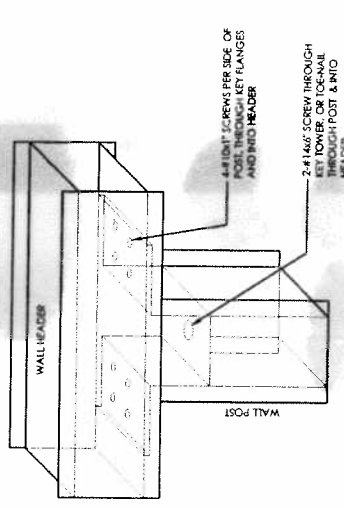
WALL POST TO FLOOR CONNECTION



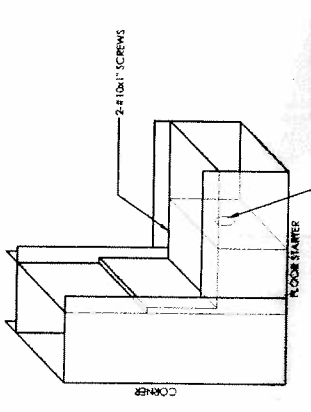
RIDGE BEAM TO POST TO FLOOR CONNECTION



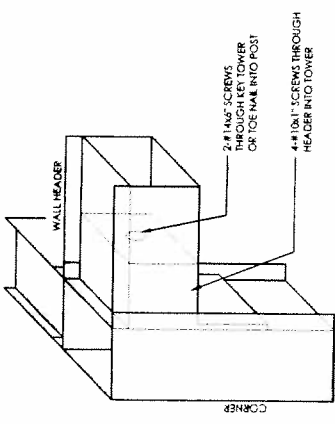
JAMB POST TO FLOOR CONNECTION



WALL POST & HEADER CONNECTION



CORNER POST TO FLOOR CONNECTION



CORNER & HEADER CONNECTION