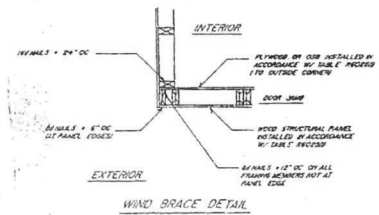


Attic Ventilation	
Required	2400 SQ Ft of Attic / 600 = 4.3 SQ Ft Each of Inlet & Outlet
Provided	
Inlet	03 SQ. FT. Per x _____ Linear Ft. = _____ SQ. FT. of vent
Outlet	08 SQ. FT. Per x _____ Linear Ft. = _____ SQ. FT. of vent
<ul style="list-style-type: none"> Calculations shown, consider ventilators used at least 3 feet above the cornice vents. Cathedral ceilings shall have a 1" minimum clearance between the bottom of the roof deck and the insulation. 	

Crawl Space Ventilation	
Required	2263 SQ. FT. / 150 = 15 SQ. FT. of Ventilation
Provided	
Use	24 SQ. FT. / Vent x .23 Vents = 10.12
Type	8 (SQ. FT. of Ventilation)
<p>An approved vapor retarder shall be installed to cover 100% of the crawl space area. Vents shall be so placed as to provide ventilation at all points and prevent dead air pockets.</p> <p>Note: Foundation vents sized for 1/160 ratio. Provide ground vapor barrier IAW NC BC Section 409.</p>	

Notes:
 Minimum Size: All egress of rescue windows from sleeping rooms must have a net clear opening of 4.0 square feet. The minimum net clear height shall be 22 inches. The minimum net clear width shall be 20 inches. Each egress window from sleeping rooms must have a minimum total glass area of not less than 5.0 square feet in the case of a ground window and not less than 5.7 square feet in the case of a second story window.
 Where openings are provided as a means of escape and rescue they shall have a sill height of not more than 44 inches above the floor.



SAFETY GLAZING	
<p>ALL SAFETY GLAZING MATERIALS MUST BE PERMANENTLY LABELED TO INDICATE IT CONFORMS TO ANSI Z97.1. LABELED GLASS MAY BE PERMANENTLY LABELED BY MANUFACTURER BY A CERTIFICATE IDENTIFYING CONFORMANCE TO ANSI Z97.1.</p>	
<p>SAFETY GLAZING MATERIAL MUST BE USED FOR THE FOLLOWING SPECIFIED HAZARDOUS LOCATIONS:</p>	
1.	ALL PARTITION WALLS AND DIVIDER WALLS AND WINDOWS
2.	ALL EXTERIOR CORNERS AND ENCLOSURES AND WINDOWS
3.	ALL STORM DOORS ON COMBUSTION DOORS
4.	ALL GLASS DOORS OPENING TO THE STREET
5.	ALL WINDOWS ON EXTERIOR WALLS WITH FRAMED AND UNFRAMED STILES
6.	ALL GLAZING ON EXTERIOR WALLS WITH A GLAZED AREA IN EXCESS OF 3 SQUARE FEET WITH LEAST ONE LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR LEVEL. SUCH AS PARTS OF EXTERIOR WALLS SUBJECT TO OTHER USES WITHIN 48 INCHES OF SUCH GLAZING. THIS INCLUDES GLAZED PANELS OF MULTI-STORY STRUCTURES.
7.	ALL GLAZING BY BALCONY REGARDLESS OF AN AREA OR HEIGHT ABOVE A BALCONY SURFACE. INCLUDED ARE STRUCTURAL BALCONY PANELS AND NONSTRUCTURAL WHOLE PANELS.

NOTE: WALL HEIGHT THAT EXCEEDS 10' MUST BE 2 x 6 STUDS @ 12" OC

Equipment Schedule	
Mark	Description
1	Water Closet
2	Lavatory W/ Vanity
3	Fberglass Tub Unit
4	Dressing Table
5	Whirlpool
6	Shower
7	Overhead Cabinets
8	Base Cabinet
9	Smoke Detector
10	Retrigger
11	Dishwasher
12	Double Kitchen Sink
13	Island
14	Bar
15	Range / Hood / Oven
16	Desk
17	Built In Washer
18	Washer
19	Dryer
20	Laundry Sink
21	Freezer
22	Water Heater
23	Pedestal Sink
24	Fold Down Ironing Board
25	Laundry Chute
26	Window Seat
27	Bar Sink
28	Double Ovens
29	Prefab Fireplace

NOTE: VINYL INSULATED FRAME WINDOWS

Window Schedule	
Mark	Description
1	2'-2" x 4'-6"
2	2'-0" x 4'-6"
3	2'-0" x 3'-2"
4	2'-0" x 2'-2"

- Standard Notes:**
- The design of this building is based on the requirements of North Carolina residential code 2012 Rd.
 - Foundation drainage shall be installed based on the site condition as required by sec 405 & 40C NCBC 2012 Ed.
 - Anchor bolt shall be required as shown in plans and as required by NCBO 2012. Max spacing 6" or with bolt location within 12" of end of mud sill. Minimum bolt 1/2" embedment in masonry.
 - Mean or assumed roof height _____
 - The roof & wall cladding is designed for a 25 psf positive and negative wind loading.
 - Energy Compliance
 - Window U-Factor & design pressure (see attached manufacturer's literature) 0.36 U/F
 - Insulation R Values
 - Ceiling/Roof: R-28
 - Wall: R-15
 - Floor: R-19
 - Penetration Calculation
 - Trussed Lumber To Be # 2 SP
All Other Framing Lumber To Be # 2 SPF

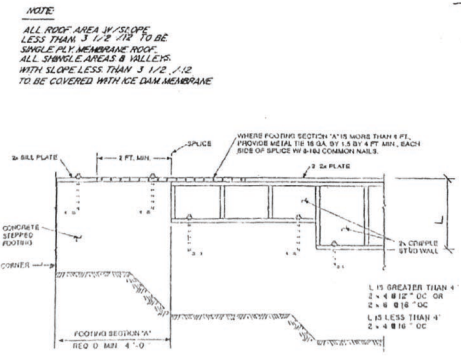
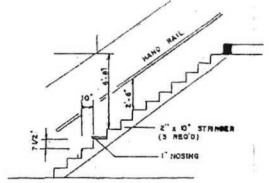
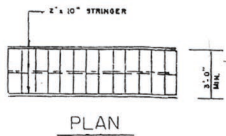


FIGURE REG 11.3 SHEET FOUNDATION CONSTRUCTION

Door Schedule	
Mark	Description
1	3'-0" x 6'-0" x 1/2" W/SIDE LITES
2	3'-0" x 6'-0" x 1/2" FIRE RATED METAL
3	4'-0" x 8'-0" GARAGE
4	2'-0" x 4'-0" x 1/2" FRENCH
5	3'-0" x 4'-0" SCREEN
6	2'-0" x 4'-0" x 1/2"
7	2'-0" x 4'-0" x 1/2"
8	2'-0" x 4'-0" x 1/2"
9	2'-0" x 4'-0" x 1/2"
10	2'-0" x 4'-0" POCKET



STAIR SECTION



STAIR DETAIL

Finish Schedule	
Room	Finish
Living Room	
Dining Room	
Library / Study / Office	
1st Bath	
2nd Bath	
Green Room	
Kitchen	
Breakfast	
Recreation Room	
Bed Room	
Utility / Laundry Room	
Closet	
Master Bedroom	
Master Bath	
Bedroom 2	
Bedroom 3	
Bedroom 4	
Bedroom 5	
Stair 2	
Stair 3	
Stair 4	
Master Bedroom Closet	
Master Bath Room	
Laundry Room	
Pref. Fire	

- STRUCTURAL STEEL NOTES:**
- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO "AISC SPECIFICATIONS FOR BUILDINGS", LATEST EDITION.
 - ALL STRUCTURAL STEEL SHAPES WIDE FLANGE PLATES AND BARS SHALL BE ASTM A 36, Fy = 36 KSI
 - ALL COLD-FORMED STRUCTURAL STEEL TUBING - SHALL BE ASTM A 500, GRADE B, Fy = 48 KSI
 - ANCHOR BOLTS - SHALL BE ASTM A 307, Fy = 36 KSI
 - CONNECTIONS NOT DETAILED SHALL BE DESIGNED FOR LOADS GIVEN IN STANDARD AISC LOAD TABLES FOR LENGTH, SECTIONS AND STRENGTH SPECIFIED. BOLTED USING 7/8" B. BOLTS (A193), EXCEPT WHERE FIELD WELDING IS SHOWN.
 - ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D11 "STRUCTURAL WELDING CODE - STEEL". WELD ELECTRODES SHALL BE EPOXX. PROVIDE 3/16" CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED.
 - WORK THESE DRAWINGS WITH THE ARCHITECTURAL DRAWINGS FOR DETAILS AND SECTIONS.
 - THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

- ROUGH CARPENTRY NOTES:**
- ROUGH CARPENTRY SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL WOOD PRODUCT ASSOCIATION (NPA) "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION".
 - WOOD FRAMING MEMBERS PERMANENTLY EXPOSED TO THE WEATHER AND ALL SILL PLATES AROUND THE BUILDING PERIMETER SHALL BE PERMANENTLY TREATED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - UNLESS OTHERWISE NOTED, ALL WALLING FASTENERS SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE NORTH CAROLINA STATE BUILDING CODE, LATEST EDITION.
 - CONSTRUCTION PANELS SHALL COMPLY WITH THE U.S. PRODUCT STANDARD FOR CONSTRUCTION AND RHEINERAL FLOORING FOR FLYWOOD CONSTRUCTION PANELS AND THE FOLLOWING REQUIREMENTS:
 - A) EXTERIOR WALL AND SHEARWALL WALL SHEATHING SHALL BE A PAIRED SHEATHING, EXTERIOR EXPOSURE EXPOSURE DURABILITY CLASSIFICATION.
 - B) ROOF SHEATHING - APA RATED SHEATHING EXTERIOR DURABILITY CLASSIFICATION.
 - WOOD FRAMING SHALL COMPLY THE FOLLOWING REQUIREMENTS:
 - A) MAINTAIN CONTACT - SEASONED, WITH 16 PERCENT MAXIMUM MOISTURE CONTENT.
 - B) BRACE - 10 D SPF.
 - C) PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS WHICH ARE UNABLE TO BRACE WITH JOISTS PROVIDED AS INDICATED ON THE PLAN.
 - D) PROVIDE THE LABEL OF THE SAME CLASS SECTION AS INDICATED ON PARTS TO BE BRACED AROUND ALL OPENINGS TO SUPPORT BRACING.
 - E) ATTACH JOIST (CEILING) AND NAILERS TO FRAMING USING 3/16" DIAMETER POINER ACTIVATED FASTENERS @ 24" ON CENTER OR WEAVER BOLT @ 48" ON CENTER STAGGER FASTENERS TO ALTERNATE SIDES OF BEAM WEB.



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RESIDENCE FOR
 LARYCE BARNES

SCHEDULE SHEET

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DATE: 10-27-10
 SHEET: 5-5