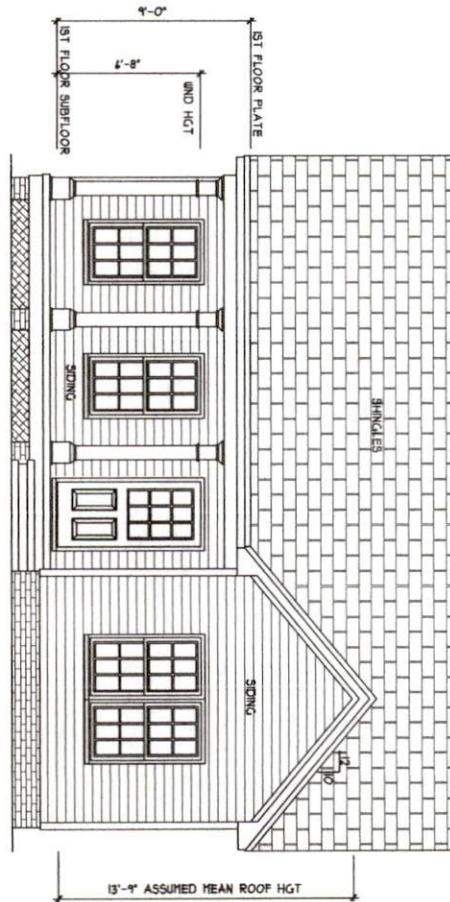


REAR ELEVATION  
SCALE 1/4" = 1'-0"

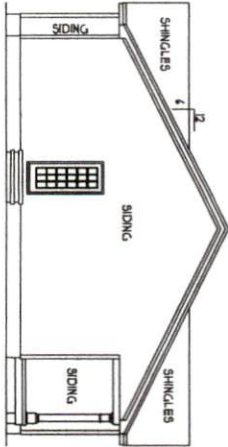


FRONT ELEVATION  
SCALE 1/4" = 1'-0"

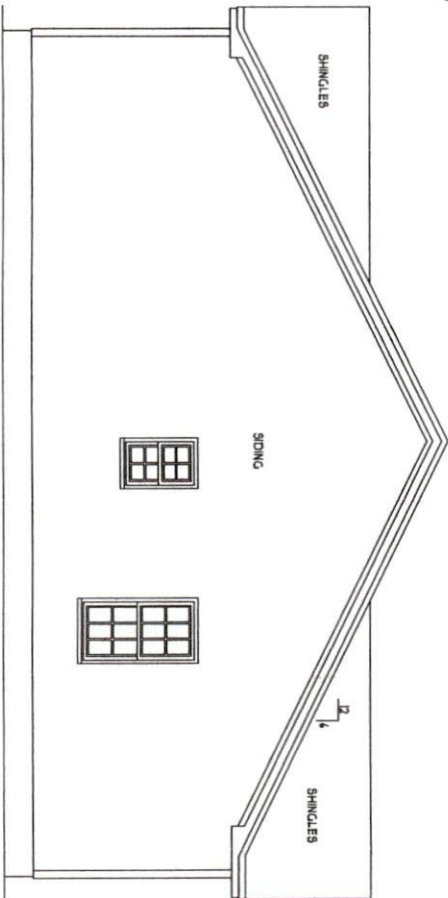
**ATTIC VENTILATION:**

THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN TO 80% OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE LESS THAN PROVIDED AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE OR CONCENTRATED WITH THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CEILING VENTS. GROSS ATTIC AREA TO BE VENTILATED IS SQ.FT. 111/800 = 1.44 SQ.FT. NET FREE AREA

**ENERGY COMPLIANCE**  
ZONE 3 = MAX. GLAZING U-FACTOR .35  
FLOOR R19 FOR JOINTION IN DAVID COUNTY  
ZONE 4 = MAX. GLAZING U-FACTOR .35  
R-VALUE = CEILING R19, WALLS R5,  
FLOORS R19 FOR UNACE ORANGE COUNTY



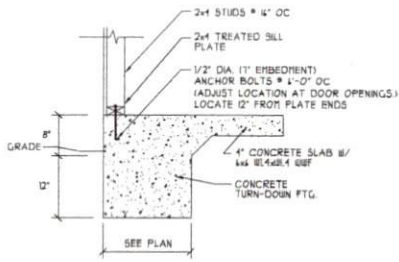
LEFT ELEVATION  
SCALE 1/8" = 1'-0"



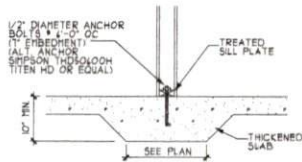
RIGHT ELEVATION  
SCALE 1/4" = 1'-0"

DATE: 09/30/24 FILE: 01124.2 1 STORY		HEATHER HALL 165 HEATHERSTONE CT BENSON NC 27504 19191 207-1403	SQUARE FOOTAGE: FIRST FLOOR = 1008 FRONT PORCH = 108	HEATED FOOTAGE: <b>#1008</b>	THE OLIVER 2 KITCHEN LEFT SYNDICATE HOMES
			ANY DEVIATION OF THE SPECIFIED MEASUREMENTS OR FINISHES SHALL BE THE RESPONSIBILITY OF THE CLIENT. THE PLAN SHALL BE USED IN ACCORDANCE WITH NORTH CAROLINA COUNTY RESIDENTIAL BUILDING CODES 2008 EDITION.		

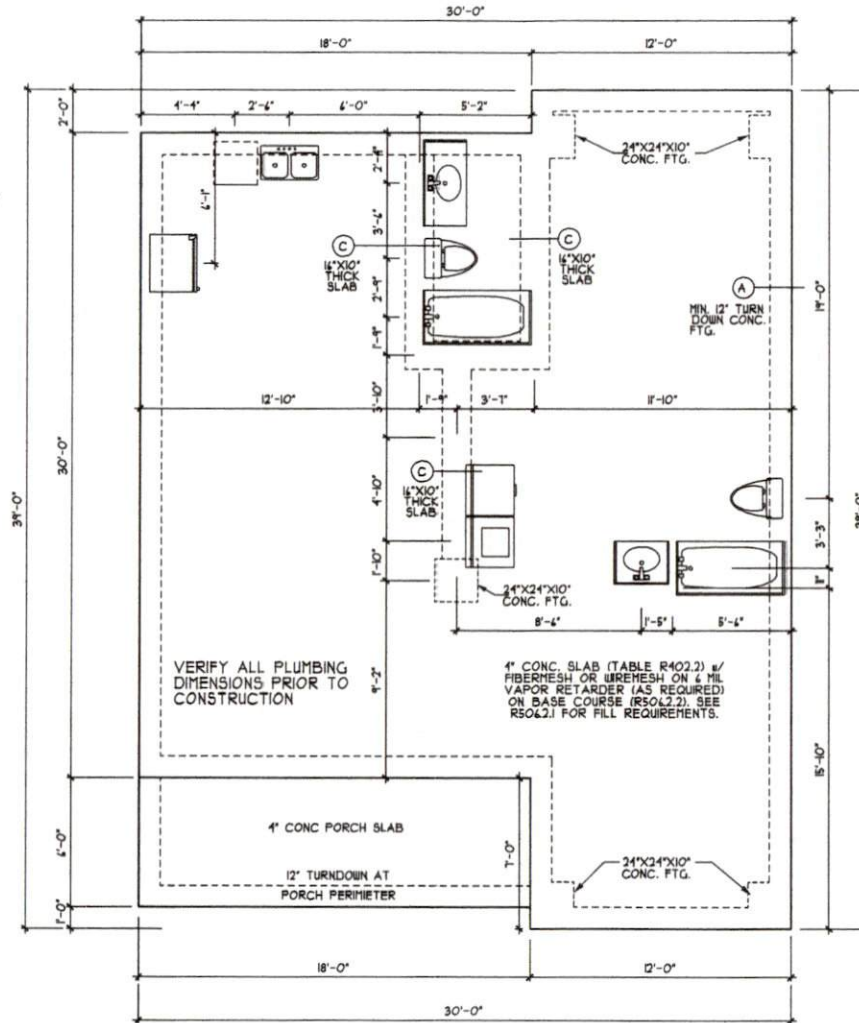




(A) TURN DOWN SLAB FOOTING  
NTS



(B) THICKENED SLAB  
(INTERIOR BEARING WALL)



NOTE ASSUMED SOIL BEARING CAPACITY = 2000  
PSF CONTRACTOR MUST VERIFY SITE CONDITIONS  
AND CONTACT SOILS ENGINEER IF MARGINAL OR  
UNSTABLE SOILS ARE ENCOUNTERED

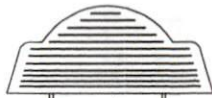
**DAMP PROOFING**

FOR DRAINAGE, DAMP PROOFING  
1 WATER PROOFING REFER TO  
SECTION 405 1 404 IN 2018  
EDITION NC RES. CODES

REFER TO BASIC DETAIL SHEET(S)  
FOR STANDARD DETAILS, BRACING  
DETAILS, AND STRUCTURAL NOTES

**MONOLITHIC SLAB  
FOUNDATION PLAN**

SCALE 1/4" = 1'-0"



THE OLIVER 2  
KITCHEN LEFT  
SYNDICATE HOMES

HEATED FOOTAGE:  
#1008

SQUARE FOOTAGE:  
FIRST FLOOR = 008  
FRONT PORCH = 08

HEATHER HALL  
165 HEATHERSTONE CT  
BEASON NC 27504  
(988) 207-4403

H SQUARED  
HOME  
DESIGN, INC.



ANY DEVIATION OF THE  
SPECIFIED MATERIALS  
OR METHODS SHALL BE  
AT THE CONTRACTOR'S  
RISK. THIS PLAN HAS BEEN  
PREPARED BY THE ARCHITECT  
IN ACCORDANCE WITH THE  
CURRENT CODES AND REGULATIONS.

DATE:  
01/30/24  
I STORY  
FILE:  
01124.2

**STRUCTURAL NOTES**

1) ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2008 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER OR DESIGNER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION METHODS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER OR DESIGNER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS SHALL BE FRAMED, ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.

DESIGN LOADS (RS04-4)	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (LL)
ROOFS OTHER THAN SLEEPING ROOFS	40	10	L/360
SLEEPING ROOFS	30	10	L/360
ATTIC WITH PERMANENT STAIR	40	10	L/360
ATTIC WITH OUT PERMANENT STAIR	20	10	L/360
ATTIC WITH OUT STORAGE	10	10	L/240
STAIRS	40	-	L/360
EXTERIOR BALCONIES	40	10	L/360
DECKS	40	10	L/360
GUARDRAILS AND HANDRAILS	200	-	-
PASSENGER VEHICLE GARAGES	50	10	L/360
FIRE ESCAPES	40	-	L/360
SNOW	20	-	-

WIND LOAD (BASED ON 105/120 MPH WIND VELOCITY & EXPOSURE B)

3) WALL BRACING: BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO SECTION R602.10.3. THE AMOUNT AND LOCATION OF BRACING SHALL COMPLY WITH TABLE R602.10.4. THE LENGTH OF BRACED PANELS SHALL BE DETERMINED BY SECTION R602.10.4. LATERAL BRACING SHALL BE SATISFIED PER METHOD 3 BY CONTINUOUSLY SHEATHING WALLS WITH STRUCTURAL SHEATHING PER SECTION R602.10.3. NOTE THAT ANY SPECIFIC BRACED WALL DETAIL SHALL BE INSTALLED AS SPECIFIED.

4) CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 8 INCHES UNLESS NOTED OTHERWISE (MIN). AIR ENTRAINMENT PER TABLE 602.1.1. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR CURING SHALL BE TAKEN FROM THE EXT. END OF THE CUR.

5) ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.

6) ALL FRAMING LUMBER SHALL BE SPF #2 (F) = #1.5 (F) UNLESS NOTED OTHERWISE (MIN). ALL TREATED LUMBER SHALL BE SYP #2 (F) = #1.5 (F). PLATE MATERIAL MAY BE SPF #3 OR SYP #3 (F) = #1.5 (F).

7) ALL WOODEN BEAMS AND HEADERS SHALL HAVE THE FOLLOWING END SUPPORTS: (1) 2x4 STUD COLUMN FOR 4'-0" MAX. BEAM SPAN (MIN); (2) 2x4 STUDS FOR BEAM SPAN GREATER THAN 4'-0" (MIN).

8) L.V.L. SHALL BE LAMINATED VENEER LUMBER: F<sub>b</sub>=3400 PSI, F<sub>v</sub>=285 PSI, E=1,940,000 PSI. P.S.L. SHALL BE PARALLEL STRAND LUMBER: F<sub>b</sub>=2900 PSI, F<sub>v</sub>=270 PSI, E=2,040,000 PSI. S.L.S. SHALL BE LAMINATED STRAND LUMBER: F<sub>b</sub>=2200 PSI, F<sub>v</sub>=400 PSI, E=1,950,000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.

9) ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH ANY SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH DESIGNER OR ENGINEER.

10) ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS 1/2" DIAMETER x 4" LONG. LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDED THE JOIST ARE TIE WEALED TO THE SOLE PLATE, AND SOLE PLATE IS WEALED OR BOLTED TO THE BEAM FLANGE x 4" O.C. - ALL STEEL TUBING SHALL BE ASTM A500.

11) REBAR SHALL BE DEFORMED STEEL, ASTM#6, GRADE 60.

12) FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX) AND STAGGERED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 4" FROM EACH END.

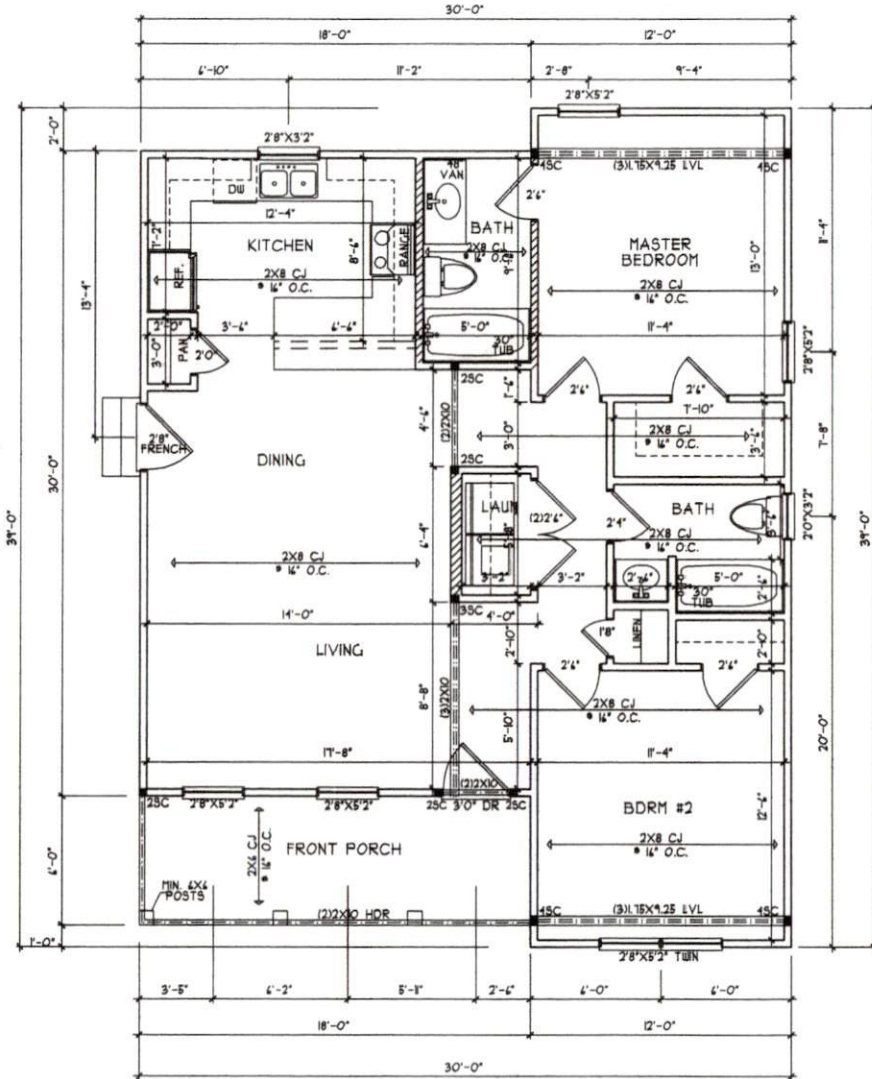
13) BRICK LINTELS SHALL BE 3 1/2"x8 1/2"x4 1/4" STEEL ANGLE FOR UP TO 4'-0" SPAN AND 2"x4"x2" STEEL ANGLE WITH 4" LEG VERTICAL FOR SPANS UP TO 4'-0". SEE PLANS FOR SPANS OVER 4'-0".

14) THE POSITIVE AND NEGATIVE DESIGN PRESSURE FOR DOORS AND WINDOWS FOR A BEAM ROOF HEIGHT OF 35 FEET OR LESS SHALL BE 25 PSF.

15) THE POSITIVE AND NEGATIVE DESIGN PRESSURES REQUIRED FOR ANY ROOF OR WALL CLADDING APPLICATION NOT SPECIFICALLY ADDRESSED IN THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2008 EDITION SHALL BE AS FOLLOWS:

ROOF:  
 #4 PSF - 2:12 PITCH OR LESS  
 #4.8 PSF - 2:12 TO 12:12 PITCH  
 21 PSF - 12:12 TO 12:12 PITCH

WALLS:  
 #4 PSF - WALLS  
 SEE ALSO SECTION R103.13 LINTELS



**HEADER/BEAM & COLUMN NOTES**

1. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (1) 2x6 (4" WALL) OR (2) 2x6 (4" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.

2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO TABLE R602.1.5 OR AS BELOW:

- UP TO 3' SPAN; (1) KING STUD
- OVER 3' UP TO 4' SPAN; (2) KING STUDS
- OVER 4' UP TO 12' SPAN; (3) KING STUDS
- OVER 12' UP TO 15' SPAN; (5) KING STUDS

REFER TO BASIC DETAIL SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES

FIRST FLOOR PLAN  
 SCALE 1/4" = 1'-0"

**THE OLIVER 2**  
KITCHEN LEFT

---

**#1008**

---

HEATED FOOTAGE:  
= 1008  
= 108

---

SQUARE FOOTAGE:  
FIRST FLOOR  
FRONT PORCH

---

HEATHER HALL  
185 HEATHERSTONE CT  
BENSON NC 27504  
(919) 207-1403

---

**H SQUARED HOME DESIGN, INC.**

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ANY REVIEW OF THE SPECIFIED MEASUREMENTS IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON.

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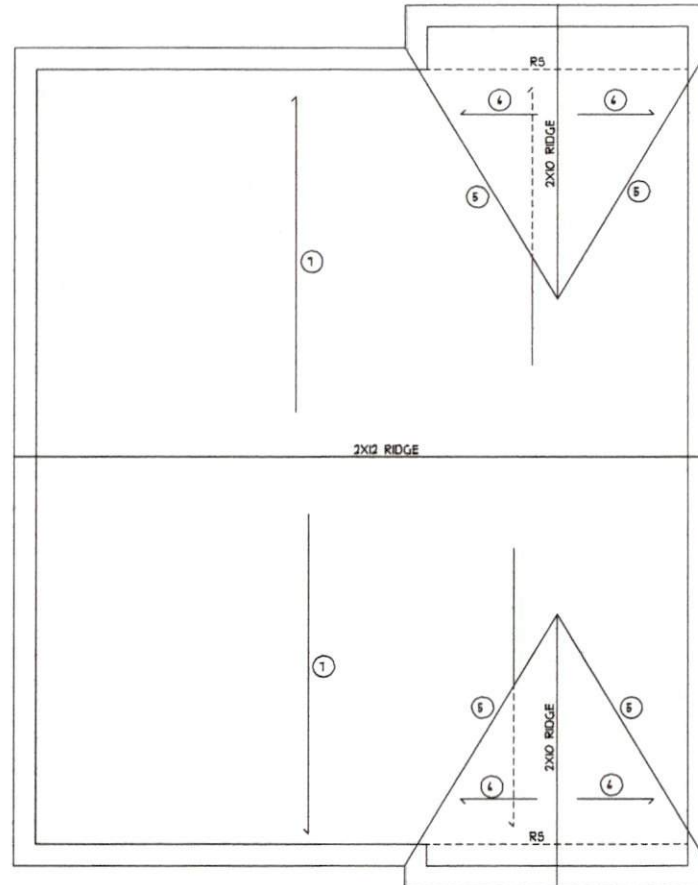
DATE: 09/30/24

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1 STORY

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FILE: 01124.2



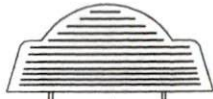
**ROOF FRAMING NOTES:**

- NC (2018 NCRC): Wind: 85-120 MPH
- ① ALL RAFTERS TO BE 2x8 @ 16" O.C. WITH 2x10 RIDGE, UNO.
  - ② (2) 2x10 OR 1.75x1.875 LVL HIP. (2) 2x10 HPS MAY BE SPLICED WITH A MIN. 4'-0" OVERLAP AT CENTER
  - ③ (2) 2x10 OR 1.75x1.25 LVL VALLEY. DO NOT SPLICE VALLEYS
  - ④ 1.75x1.875 LVL VALLEY
  - ⑤ FALSE FRAME VALLEY ON 2x10 FLAT PLATE
  - ⑥ 2x4 RAFTERS @ 16" O.C. @ 2x8 RIDGE, UNO.
  - ⑦ 2x10 RAFTERS @ 16" O.C. @ 2x12 RIDGE, UNO.
  - ⑧ EXTEND RIDGE 12" BEYOND INTERSECTION
- "SR" = SINGLE RAFTER
  - "DR" = DOUBLE RAFTER
  - "TR" = TRIPLE RAFTER
  - "R5" = ROOF SUPPORT
  - "■" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT  
USE 2x4 OR 2x4 FOR SUPPORT POSTS OVER 10'-0" IN HEIGHT)
  - ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS, SIMPSON "H2.5A" OR EQUIVALENT
  - INSTALL RAFTER TIES AND COLLAR TIES PER SECTION R802.3.1 OF THE 2018 NC RESIDENTIAL CODE

REFER TO BASIC DETAIL SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES

**ROOF PLAN**

SCALE 1/4" = 1'-0"



THE OLIVER 2  
KITCHEN LEFT  
SYNDICATE HOMES

HEATED FOOTAGE:  
#1008

= 008  
= 008

SQUARE FOOTAGE:  
FIRST FLOOR  
FRONT PORCH

HEATHER HALL  
165 HEATHERSTONE CT  
BEASON NC 27504  
1981 207-4603

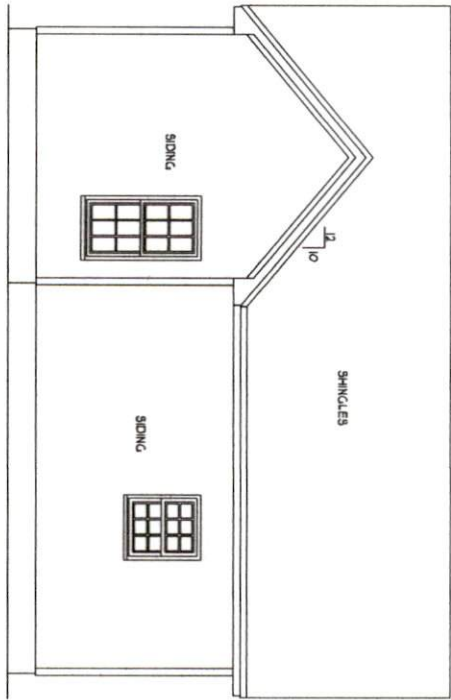
H SQUARED  
HOME  
DESIGN, INC.



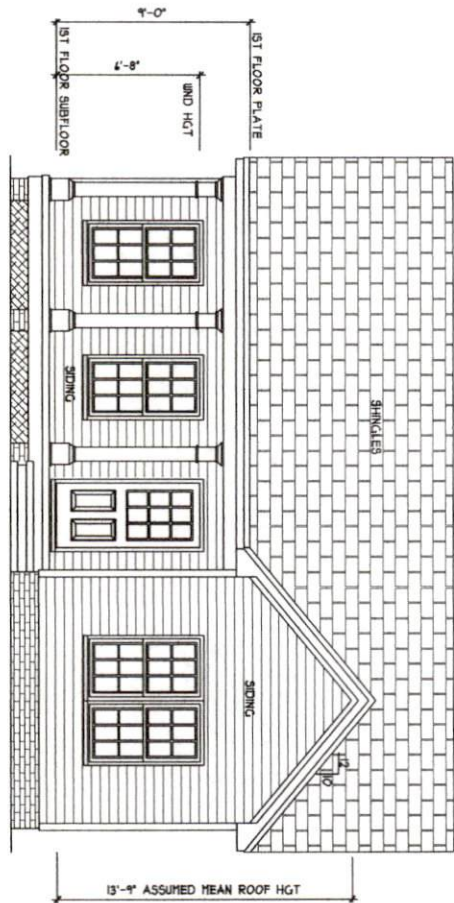
ANY DEVIATION OF THE  
SPECIFICATIONS AND  
DETAILS FROM THE  
DRAWINGS SHALL BE  
THE RESPONSIBILITY OF  
THE CLIENT.

THIS PLAN HAS BEEN  
PREPARED BY THE  
ARCHITECT WITH THE  
UNDERSTANDING THAT  
IT IS TO BE USED FOR  
CONSTRUCTION ONLY.

DATE: 09/30/24  
I STORY  
FILE: 011724.2



REAR ELEVATION  
SCALE 1/4" = 1'-0"

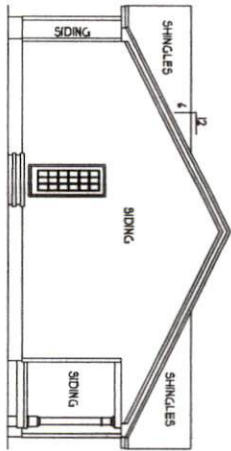


FRONT ELEVATION  
SCALE 1/4" = 1'-0"

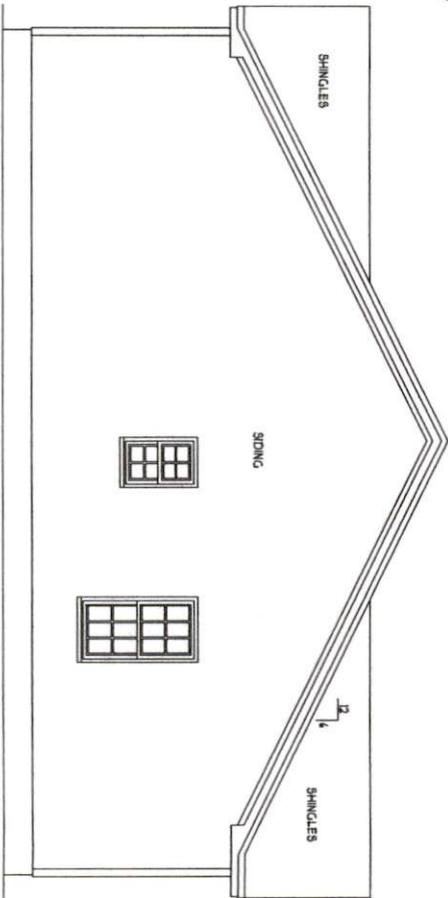
ATTIC VENTILATION:

THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1/60 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE REDUCED PROVIDED THAT THE AREA IS PROTECTED BY A SCREENED AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PARTS OF THE ROOF OR ROOF VENTS. THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EYE OR CONROICE VENTS TO CROSS ATTIC AREA TO BE VENTILATED IN SQ.FT. ILL/BO = 1/44 SQ.FT. NET FREE AREA

ENERGY COMPLIANCE  
ZONE 3 - MAX. GLAZING U-F-FACTOR .35  
FLOOR RM FOR JUNCTION IN DADE COUNTY  
ZONE 4 - MAX. GLAZING U-F-FACTOR .35  
R-VALUE - CEILING R20, WALLS R15,  
FLOORS RM FOR BAKE, ORANGE COUNTY

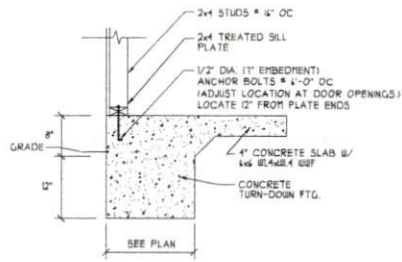


LEFT ELEVATION  
SCALE 1/8" = 1'-0"

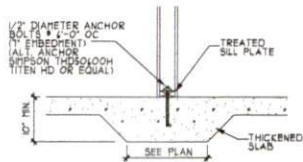


RIGHT ELEVATION  
SCALE 1/4" = 1'-0"

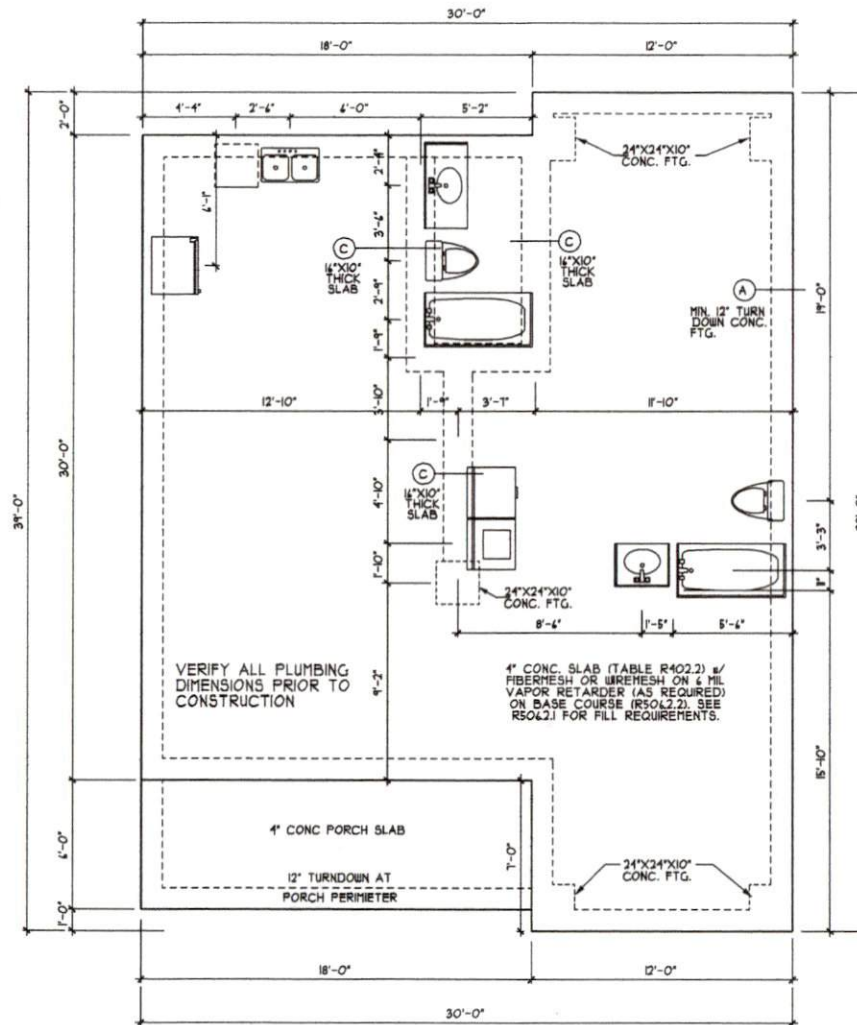
ANY DEVIATION OF THE SPECIFIED MEASUREMENTS OR DIMENSIONS SHALL BE IN ACCORDANCE WITH SOUTH CAROLINA STATE RESIDENTIAL BUILDING CODES 2008 EDITION. DATE: 04/30/24 FILE: 01124.2		HEATHER HALL 165 HEATHERSTONE CT BENSON NC 27504 19181 207-1403		SQUARE FOOTAGE: FIRST FLOOR = 1008 FRONT PORCH = 108	HEATED FOOTAGE: <b>#1008</b>	<b>THE OLIVER 2</b> KITCHEN LEFT <b>SYNDICATE HOMES</b>
		H SQUARED HOME DESIGN, INC.		THE OLIVER 2 KITCHEN LEFT SYNDICATE HOMES		



**(A) TURN DOWN SLAB FOOTING**  
NTS



**(B) THICKENED SLAB**  
(INTERIOR BEARING WALL)



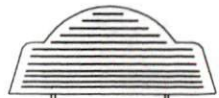
NOTE ASSUMED SOIL BEARING CAPACITY = 2000  
PSF CONTRACTOR MUST VERIFY SITE CONDITIONS  
AND CONTACT SOILS ENGINEER IF MARGINAL OR  
UNSTABLE SOILS ARE ENCOUNTERED

**DAMP PROOFING**  
FOR DRAINAGE, DAMP PROOFING  
1 WATER PROOFING REFER TO  
SECTION 405 & 406 IN 2018  
EDITION NC RES. CODES

REFER TO BASIC DETAIL SHEET(S)  
FOR STANDARD DETAILS, BRACING  
DETAILS, AND STRUCTURAL NOTES

**MONOLITHIC SLAB  
FOUNDATION PLAN**

SCALE 1/4" = 1'-0"



**THE OLIVER 2**  
KITCHEN LEFT  
**SYNDICATE HOMES**

HEATED FOOTAGE:  
**#1008**

1008 = 1008  
08 = 08  
SQUARE FOOTAGE:  
FIRST FLOOR  
FRONT PORCH

HEATHER HALL  
185 HEATHERSTONE CT  
BENSON NC 27504  
(919) 207-4003

**H SQUARED  
HOME  
DESIGN, INC.**



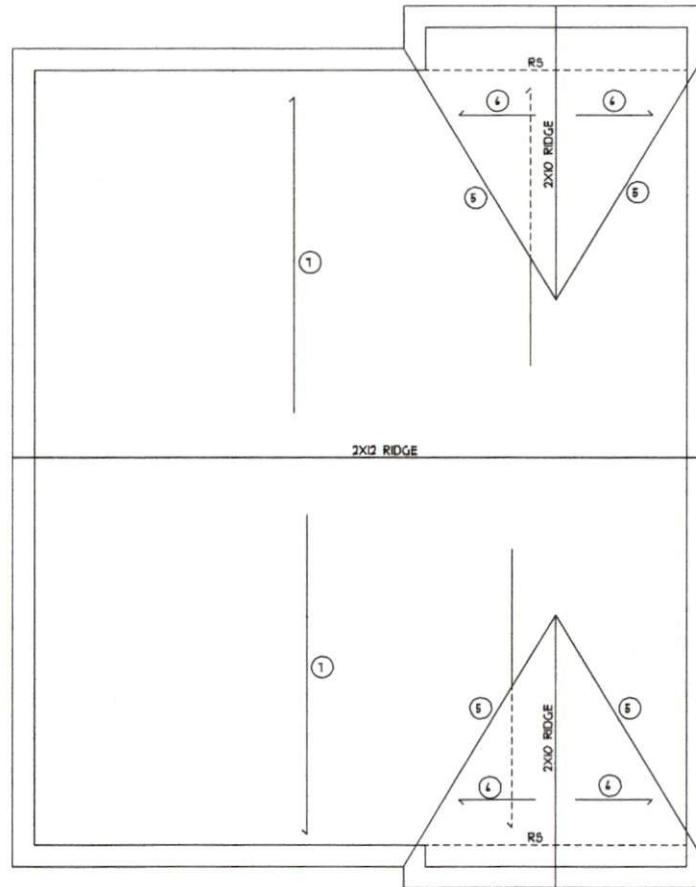
ANY DESIGN OR THE  
OPERATED MANUFACTURED  
BY H SQUARED HOME DESIGN,  
INC. 10000 WILSON ROAD,  
WILSON NC 27597  
IN ACCORDANCE WITH NORTH  
CAROLINA STATE BOARD OF  
CONSTRUCTION

DATE:  
04/30/24

1 STORY

FILE:  
01124.2



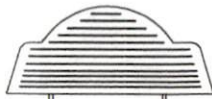


**ROOF FRAMING NOTES:**

- NC (2018 NRC): Winds 15-120 MPH
- ① ALL RAFTERS TO BE 2x8 @ 16" O.C. WITH 2x10 RIDGE, UNO.
  - ② (2) 2x10 OR 1.75x1.875 LVL HIP, (2) 2x10 HIPS MAY BE SPLICED WITH A MIN. 4'-0" OVERLAP AT CENTER
  - ③ (2) 2x10 OR 1.75x1.25 LVL VALLEY. DO NOT SPLICE VALLEYS
  - ④ 1.75x1.875 LVL VALLEY
  - ⑤ FALSE FRAME VALLEY ON 2x10 FLAT PLATE
  - ⑥ 2x4 RAFTERS @ 16" O.C. @ 2x8 RIDGE, UNO.
  - ⑦ 2x10 RAFTERS @ 16" O.C. @ 2x12 RIDGE, UNO.
  - ⑧ EXTEND RIDGE 12" BEYOND INTERSECTION
- "SR" = SINGLE RAFTER
  - "DR" = DOUBLE RAFTER
  - "TR" = TRIPLE RAFTER
  - "RS" = ROOF SUPPORT
  - "■" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE 2x4 OR 4x4 FOR SUPPORT POSTS OVER 10'-0" IN HEIGHT)
  - ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS; SIMPSON "42.5A" OR EQUIVALENT
  - INSTALL RAFTER TIES AND COLLAR TIES PER SECTION R802.3.1 OF THE 2018 NC RESIDENTIAL CODE

REFER TO BASIC DETAIL SHEETS FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES

**ROOF PLAN**  
SCALE 1/4" = 1'-0"



THE OLIVER 2  
KITCHEN LEFT  
SYNDICATE HOMES

HEATED FOOTAGE:  
#1008

= 008  
= 008

SQUARE FOOTAGE:  
FIRST FLOOR  
FRONT PORCH

HEATHER HALL  
185 HEATHERSTONE CT  
BENSON NC 27504  
(919) 207-1403

H SQUARED  
HOME  
DESIGN, INC.



ALL DRAWINGS OF THE SHEETS ON THESE DRAWINGS ARE THE PROPERTY OF H SQUARED HOME DESIGN, INC. THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH THE NATIONAL BUILDING CODES 2018 EDITION

DATE: 09/30/24  
I STORY  
FILE: 011724.2