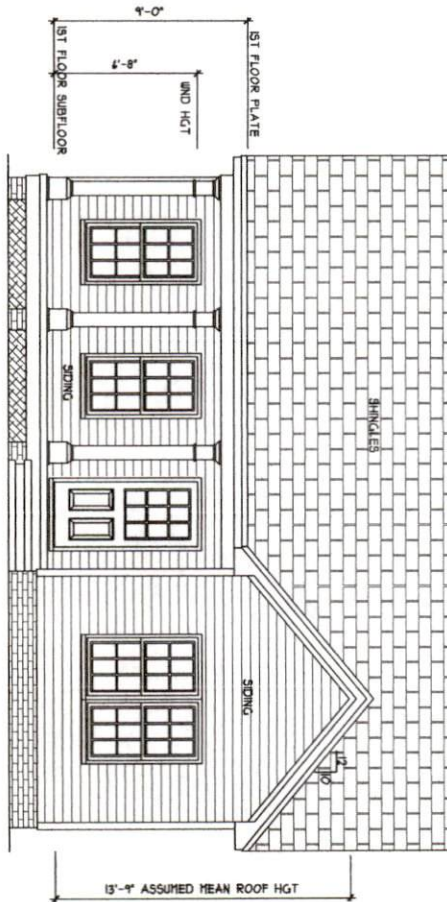
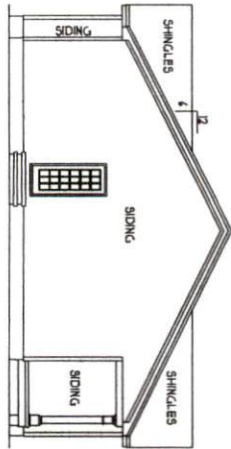


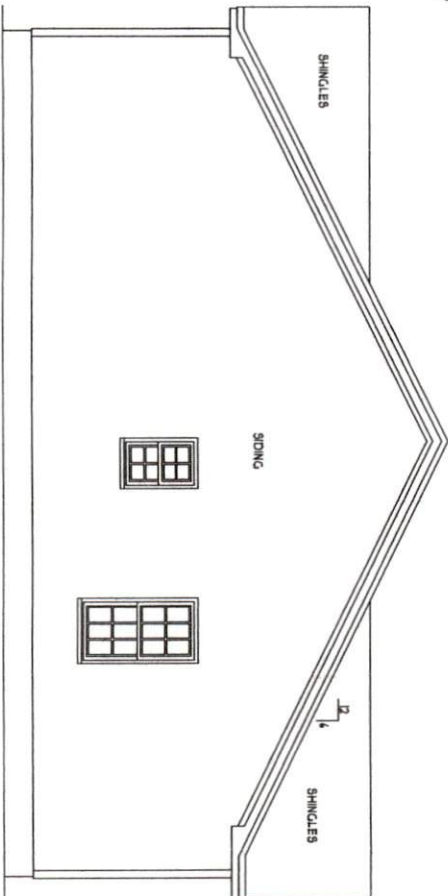
REAR ELEVATION
SCALE 1/4" = 1'-0"



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



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



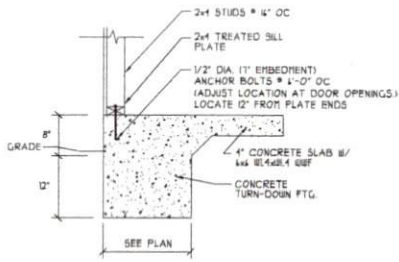
RIGHT ELEVATION
SCALE 1/4" = 1'-0"

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.
N/A/NO = 1.44 SQ.FT. NET FREE AREA

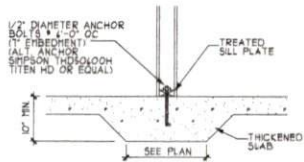
ENERGY COMPLIANCE
ZONE 3 = MAX GLAZING U-FACTOR .35
FLOOR R19 FOR JOINTION IN VAINE COUNTY
ZONE 4 = MAX GLAZING U-FACTOR .35
R-VALUE = CEILING R19, WALLS R5,
FLOORS R19 FOR VAINE, ORANGE COUNTY



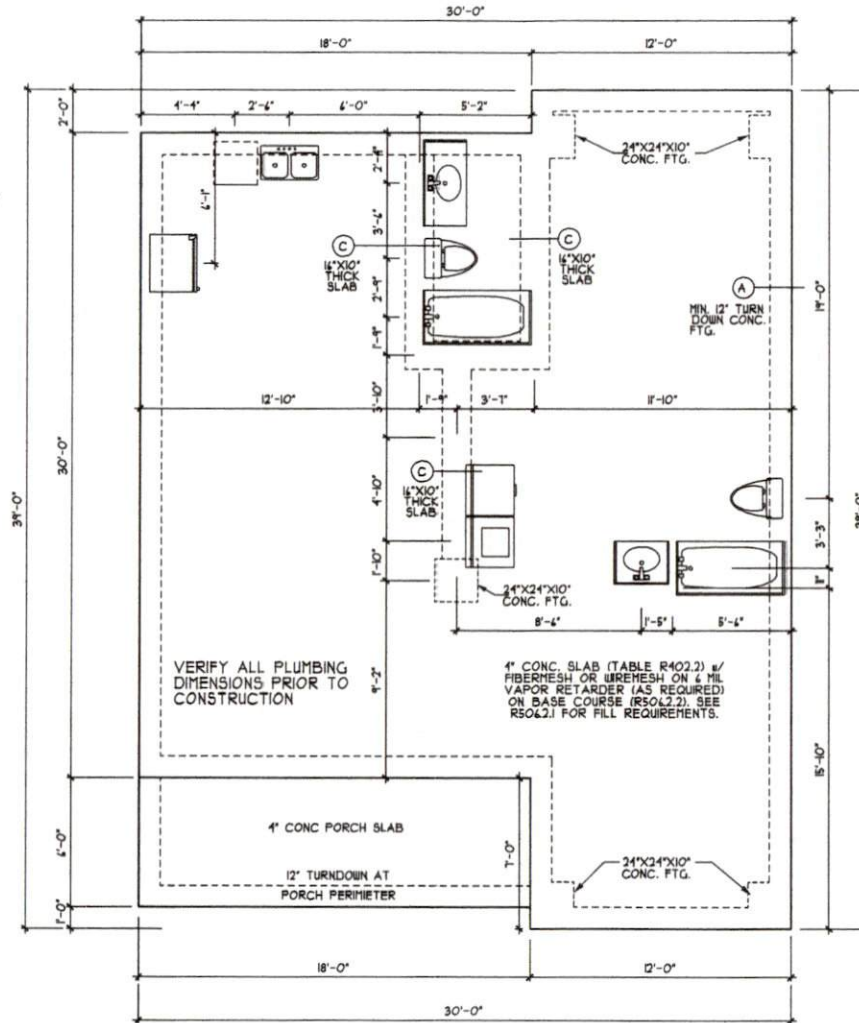
ANY DEVIATION OF THE SPECIFIED MEASUREMENTS OR FINISHES SHALL BE THE RESPONSIBILITY OF THE CLIENT. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH NORTH CAROLINA COUNTY RESIDENTIAL BUILDING CODES 2008 EDITION.	H SQUARED HOME DESIGN, INC.	HEATHER HALL 165 HEATHERSTONE CT BENSON NC 27504 19191 207-1403	SQUARE FOOTAGE: FIRST FLOOR = 1008 FRONT PORCH = 108	HEATED FOOTAGE: #1008	THE OLIVER 2 KITCHEN LEFT SYNDICATE HOMES
		DATE: 09/30/24 FILE: 1 STORY O1124.2			



(A) TURN DOWN SLAB FOOTING
NTS



(B) THICKENED SLAB
(INTERIOR BEARING WALL)



VERIFY ALL PLUMBING
DIMENSIONS PRIOR TO
CONSTRUCTION

4\"/>

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\"/>



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
DESIGNED FOR THE
INDICATED USE ONLY. THE
ENGINEER DOES NOT
WARRANT AGAINST
UNLAWFUL USE.

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)
ROOTS OTHER THAN SLEEPING ROOMS	40	10	L/360
SLEEPING ROOMS	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 (P) UNLESS NOTED OTHERWISE (MIN). ALL TREATED LUMBER SHALL BE SYP #2 (F) = #1.5 (P). PLATE MATERIAL MAY BE SPF #3 OR SYP #3 (F) = #2 (P) = #1.5 (P).

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_b=3400 PSI, F_v=285 PSI, E=1,940,000 PSI. P.S.L. SHALL BE PARALLEL STRAND LUMBER: F_b=2900 PSI, F_v=270 PSI, E=2,040,000 PSI. S.L.S. SHALL BE LAMINATED STRAND LUMBER: F_b=2200 PSI, F_v=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 TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED 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.

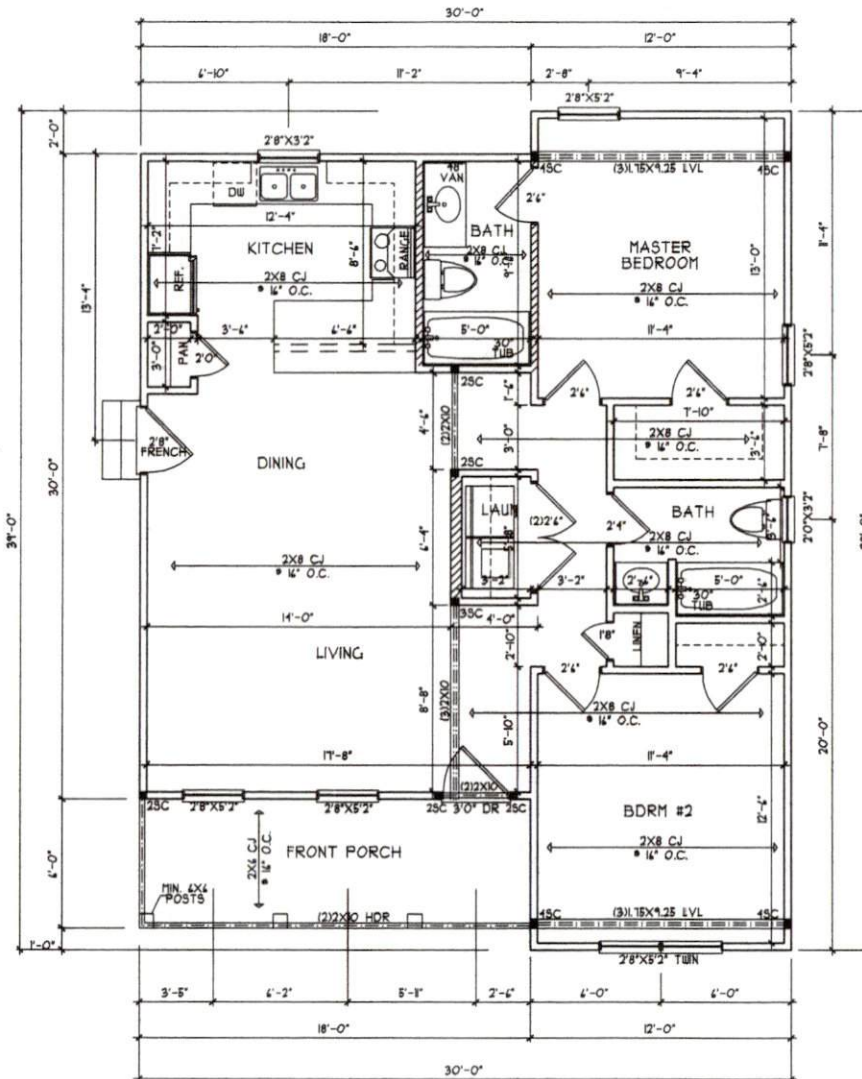
13) BRICK LINTELS SHALL BE 3 1/2"x8 1/2"x4 1/4" STEEL ANGLE FOR UP TO 4'-0" SPAN AND 2"x4"x4" STEEL ANGLE WITH 4" LEG VERTICAL FOR SPANS UP TO 4'-0". SEE PLANS FOR SPANS OVER 4'-0".

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:	WIND SPEED	PITCH
#1	PSF	2:12 TO 4:12
#2	PSF	4:12 TO 12:12
#3	PSF	12:12 TO 12:12

16) WALLS: 2x4 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 R602.15 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

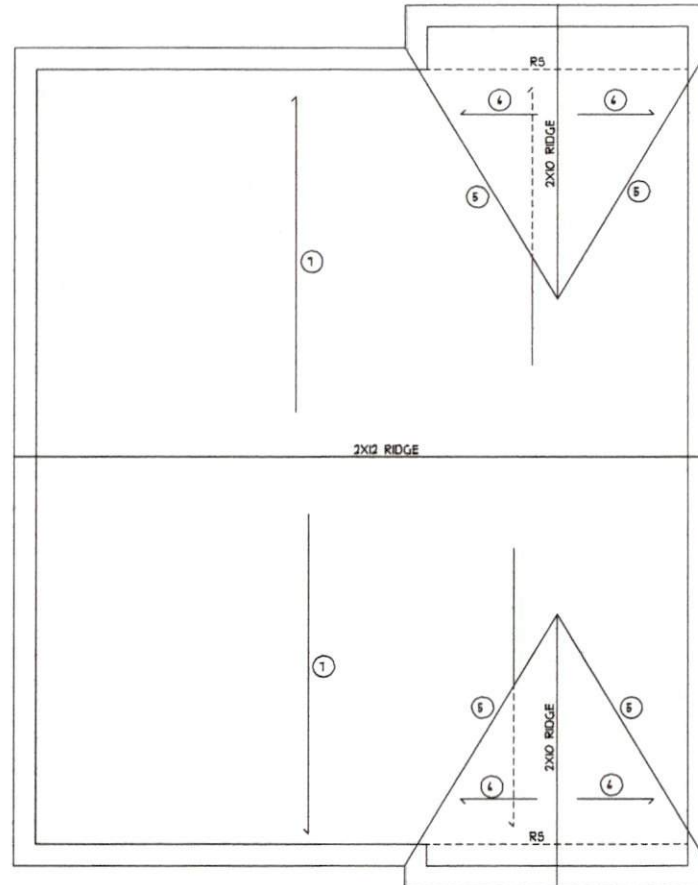
HEATED FOOTAGE:
= 1008
= 108

SQUARE FOOTAGE:
FIRST FLOOR
FRONT PORCH

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

H SQUARED HOME DESIGN, INC.

DATE: 09/30/24
1 STORY
FILE: 01124.2



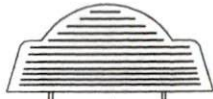
ROOF FRAMING NOTES:

- 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 1x4 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

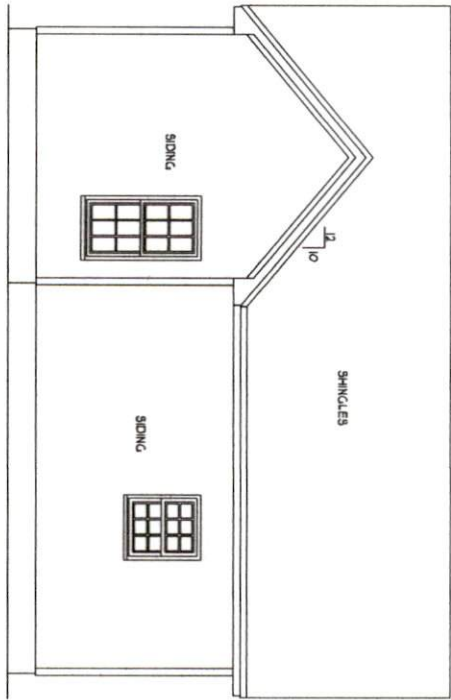
H SQUARED
HOME
DESIGN, INC.



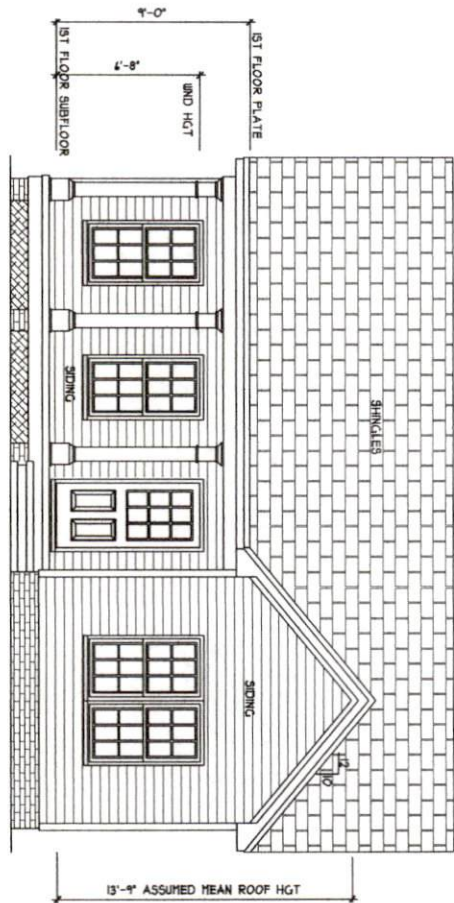
ANY DEVIATION OF THE
SPECIFICATIONS AND NOTES
HEREON SHALL BE THE
SOLE RESPONSIBILITY OF
THE CLIENT.

THIS PLAN HAS BEEN DRAWN
IN ACCORDANCE WITH NORTH
CAROLINA BUILDING CODES
AND ALL APPLICABLE LOCAL
ORDINANCES.

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



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

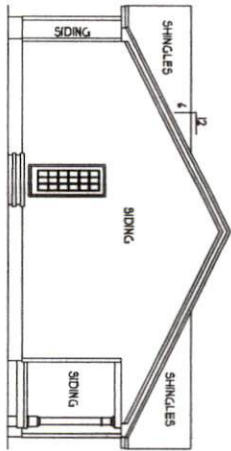


FRONT ELEVATION
SCALE 1/4" = 1'-0"

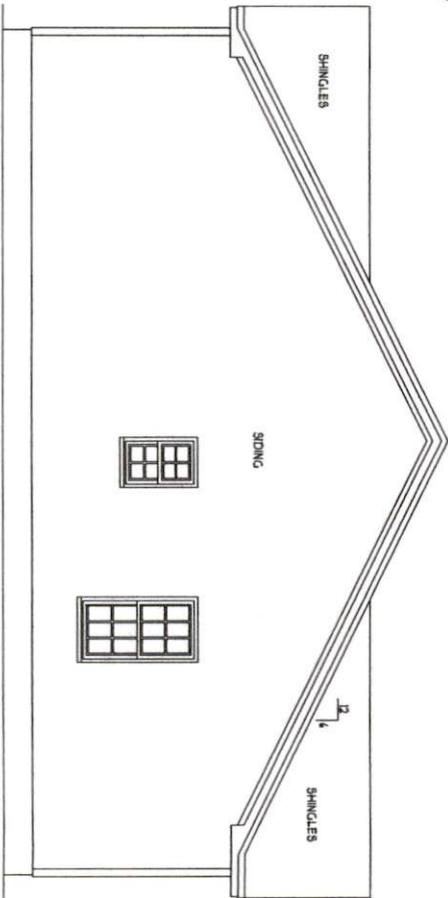
ATTIC VENTILATION:

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 PROVIDED WITH MEANS FOR CROSS VENTILATION BY VENTILATORS LOCATED IN THE UPPER PARTS OF THE ROOF OR BY MEANS OF VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EYE OR CORNER VENTS. GROSS ATTIC AREA TO BE VENTILATED IN SQ.FT. 112/60 = 1.84 SQ.FT. NET FREE AREA

ENERGY COMPLIANCE
ZONE 3 - MAX. GLAZING U-FACTOR .35
ZONE 4 - MAX. GLAZING U-FACTOR .35
FLOOR R-VALUE FOR UNBARRIERS IN DADE COUNTY
R-VALUE - CEILING R28, WALLS R5,
FLOORS R10 FOR DADE, ORANGE COUNTY



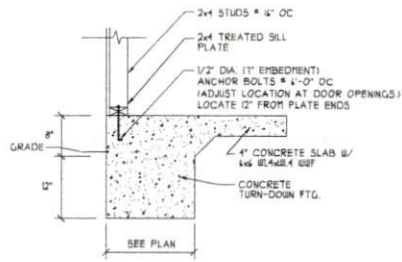
LEFT ELEVATION
SCALE 1/8" = 1'-0"



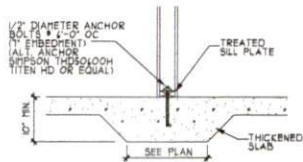
RIGHT ELEVATION
SCALE 1/4" = 1'-0"

ANY DEVIATION OF THE SPECIFIED MEASUREMENTS OR DIMENSIONS SHALL BE IN ACCORDANCE WITH SOUTH FLORIDA 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: #1008	THE OLIVER 2 KITCHEN LEFT SYNDICATE HOMES

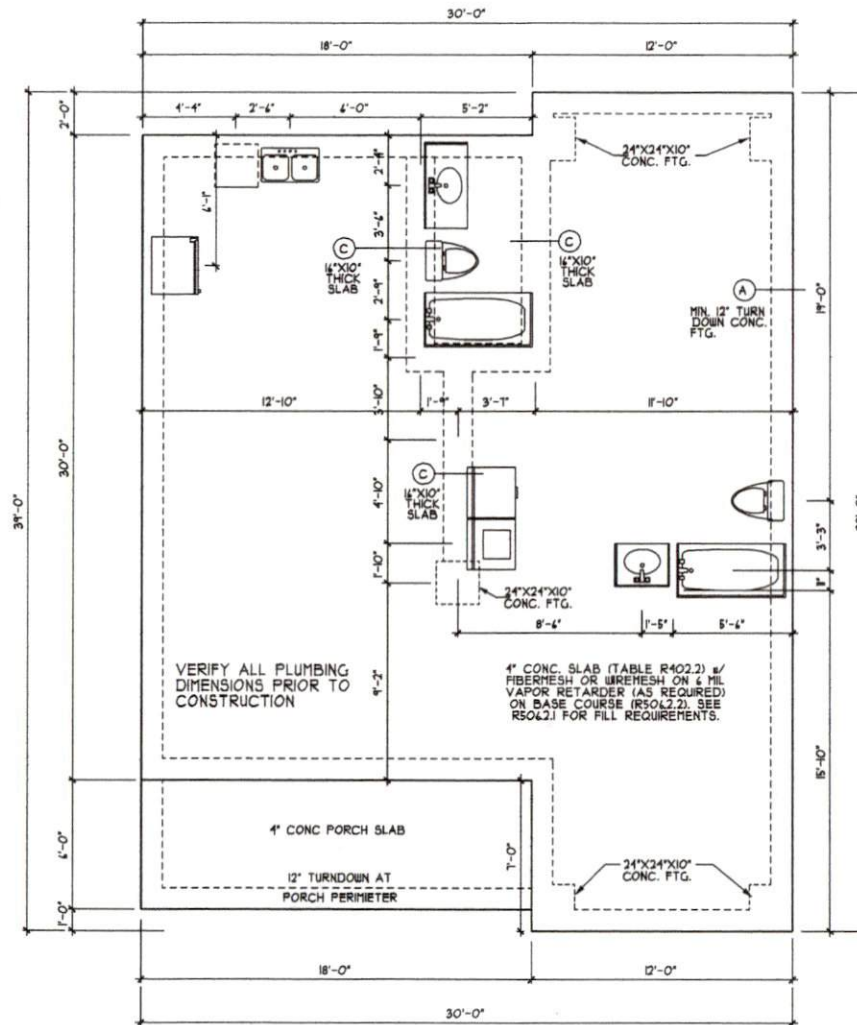




(A) TURN DOWN SLAB FOOTING
NTS



(B) THICKENED SLAB
(INTERIOR BEARING WALL)



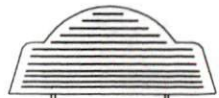
NOTE ASSUMED SOIL BEARING CAPACITY = 2000
PSF CONTRACTOR MUST VERIFY SITE CONDITIONS
AND CONTACT SOILS ENGINEER IF MARGINAL OR
UNSTABLE SOILS ARE ENCOUNTERED

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
= 008
SQUARE FOOTAGE:
FIRST FLOOR
FRONT PORCH

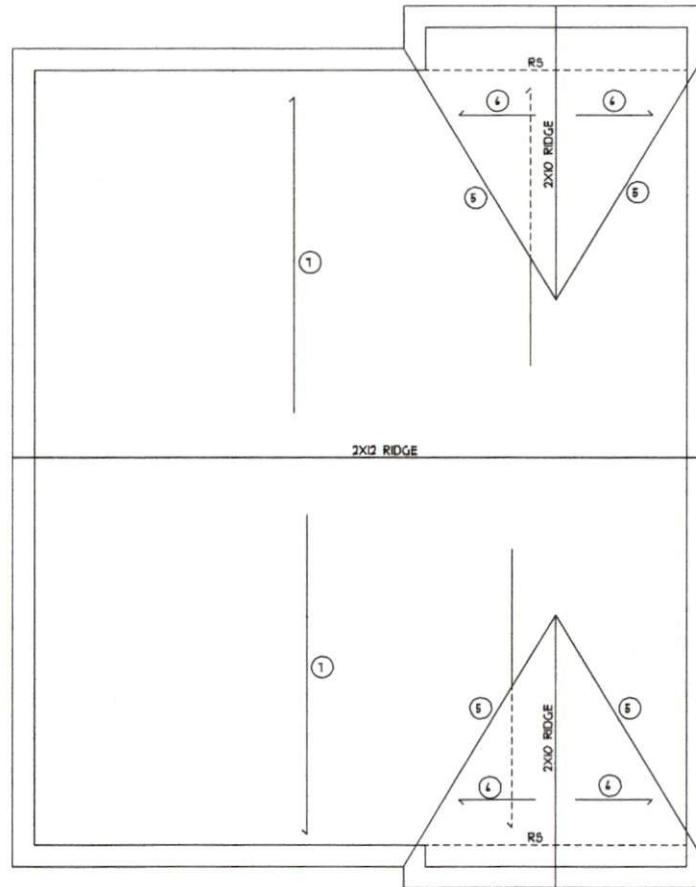
HEATHER HALL
185 HEATHERSTONE CT
BENSON NC 27504
(919) 207-4003

**H SQUARED
HOME
DESIGN, INC.**



ANY DESIGN OR THE
OPERATED MANUFACTURED
BY H SQUARED HOME DESIGN,
INC. 10000 WYOMING DRIVE,
WYOMING, NC 27504
IN ACCORDANCE WITH NORTH
CAROLINA RESIDENTIAL
CONSTRUCTION CODES

DATE:
04/30/24
1 STORY
FILE:
01124.2

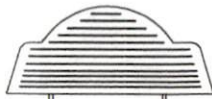


ROOF FRAMING NOTES:

- 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 2x6 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
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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.



ANY DEVIATION OF THE
DETAILS OR CONDITIONS
NOTED IN THIS PLAN
MAY BE SUBJECT TO
CANCELLATION OF THE
DRAWING UNDER THE
BUILDING CODES AND
ORDINANCES

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