IREDELL COUNTY HEALTH DEPARTMENT KW

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 226207

PIN # 4646-08-8183

SEPTIC IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

APPLICANT/OWNER: Nest Homes LLC APPLICANT ADDRESS: P.O. Box 3965 Mooresville, NC 28117

SITE ADDRESS: 168 Hazelton Loop Mooresville, NC PHONE: 980-500-1239 ALT. PHONE

SITE DIRECTIONS: BSR towards Lake Norman → L on Cranes Pack → L on Regency → R on Hazelton Loop → on right SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Regency Lake Village SECTION: — LOT # 11 LOT AREA: 0.50 acres DESIGN FLOW: 360 GPD L.T.A.R.: 0.30

Septic Tank 1000 (gal) STB 825-1000 Date 11-8-18

Pump Tank 1000 (gal) PT 302 Date 9-14-18

Pump Make — Model — Serial # —

Nitrification Fields 1 # Lines 4 Linear Ft. 202

Trench Width 24" Trench Bottom Depth(Low side) 38" Gravel Depth —

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: LP-PPBPS (50% Reduction)

Repair System Description: TS II Pretreatment PPBPS (Varies Reduction)

Maintenance Agreement Required: ☒ YES ☐ NO

☐ GRAVITY ☒ PRESSURE

☒ Residence ☐ Business ☐ Other ☒ Slab ☐ Basement w/plumbing

No. Bedrooms 3 No. Persons 6 No. Employees — ☒ Crawl Space

Water Supply: ☐ Private ☒ Public ☐ Community

☐ Basement w/o plumbing

Comments / Conditions: As of site visit 12/18/2018 house + deck already built (see floorplans dated 9/24/2017). See plat for filling instructions in ext area. (use Loam/Group 2 soil only.

INITIAL SITE SKETCH

See attached color-coded plat (30-scale) w/ approval date of 12/20/2018

1/31/2019: OK to re-route pump line around front side of the house provided that it does not cut through repair area lines and maintains required setbacks from foundation and property line(s). - BB

AS BUILT SKETCH

	Date	Initials
Drain Lines Checked	2-6	BB
Tanks Checked	2-6	BB
Pressure Manifold or Valve Box Checked	2-6	BB
Pressure Head Set	2-6	BB
Electrical Checked	12-5	BB
Floats Set	2-6	BB
Alarm Checked	12-5	BB
Maintenance Contract Y/N	12/5	KW
Comments:		

Authorization to Construct
FOR SEPTIC FINAL INSPECTION
CALL 704-664-3703

Permit can be suspended or revoked if any false information is supplied towards securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT with plat valid without expiration ☒ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☒ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mos.

Owner / Applicant Signature: [signature] Date: 12/21/18 Installed by: Ram Septic

IMPROVEMENT PERMIT by: [signature] Date: 12/20/2018 OPERATION PERMIT by: [signature] Date: 12/5/19.

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 12/20/2018 Existing System Inspected by: — Date: —

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-2pm the day the inspection is needed. Be sure to speak with an operator to confirm your inspection time

IREDELL COUNTY HEALTH DEPARTMENT KW

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 226207

SEPTIC IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

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SUBDIVISION: Regency Lake Village SECTION: LOT # 11 LOT AREA: 0.50 acres DESIGN FLOW: 360 GPD L.T.A.R.: 0.30

Septic Tank 1000 (gal) STB Date
Pump Tank 1000 (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 4 Linear Ft 202
Trench Width 24" Trench Bottom Depth(Low side) 33" Gravel Depth —

☒ New System ☐ Repair ☐ Expansion System Type: I II III (IV) V VI
System Description: LP-PPBPS (50% Reduction)
Repair System Description: TS II Pretreatment PPBPS (Various Reductions)
Maintenance Agreement Required: ☒ YES ☐ NO ☐ GRAVITY ☒ PRESSURE

☒ Residence ☐ Business ☐ Other ☒ Slab ☐ Basement w/plumbing
No. Bedrooms 3 No. Persons 6 No. Employees
☒ Crawl Space

Water Supply: ☐ Private ☒ Public ☐ Community
☐ Basement w/o plumbing

Comments / Conditions: As of site visit 12/18/2018, house + deck already built (see floorplans dated 10/24/2017). See plat for filling instructions in cut area (use Loam/Group2) soil only.

INITIAL SITE SKETCH

See attached color-coded plat (30-scale) w/ approval date of

12/20/2018

1/31/2019: OK to re-route pump line around front side of the house provided that it does not cut through repair area lines and maintains required setbacks from foundation and property line(s). - SF

AS BUILT SKETCH

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☐ IMPROVEMENT PERMIT *with plat* valid without expiration. ☒ IMPROVEMENT PERMIT *with site plan* valid for 60 mos. ☒ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

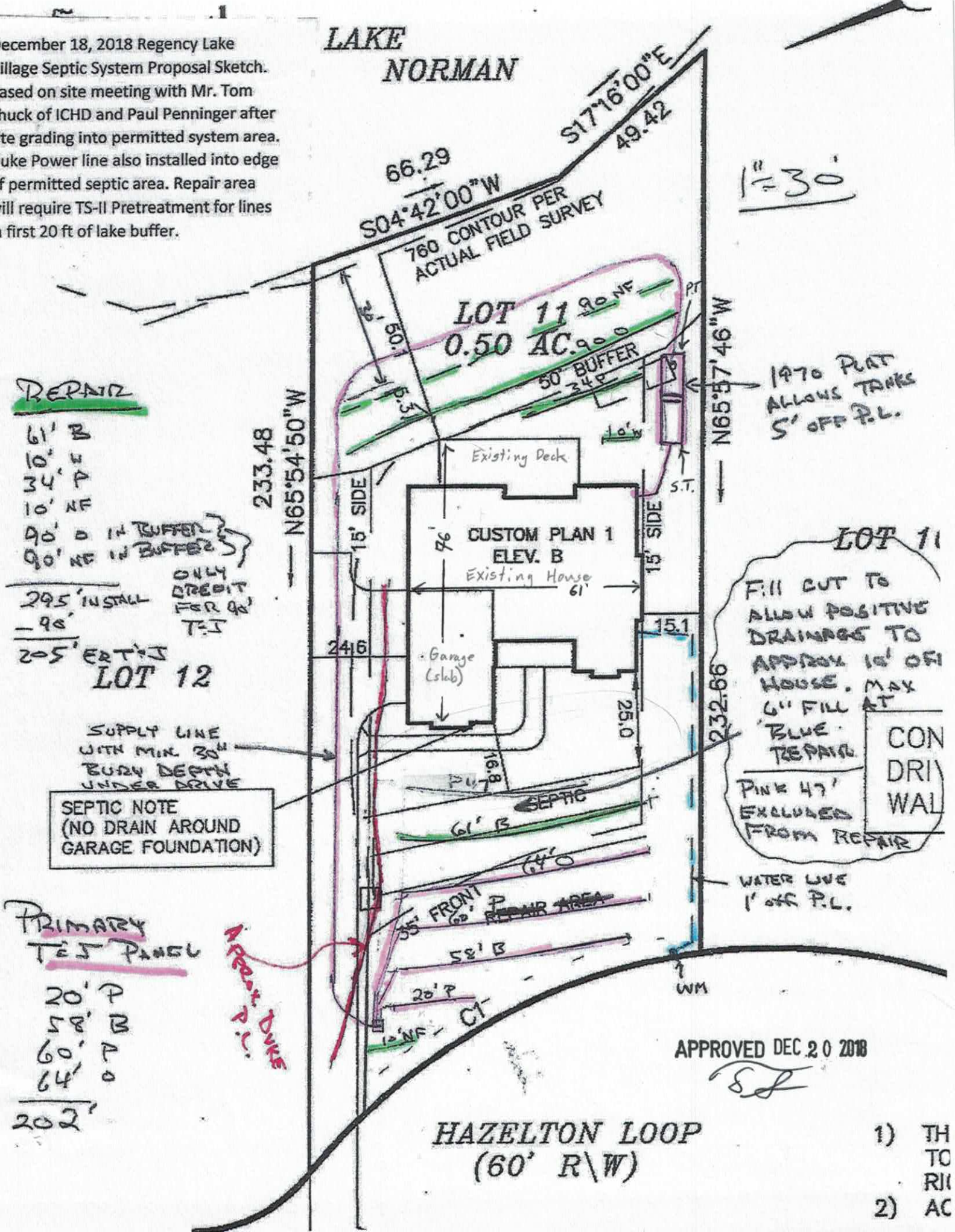
Owner / Applicant Signature: Date: 12/21/18 Installed by: Date:

IMPROVEMENT PERMIT by: Date: 12/20/2018 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 12/20/2018 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

ecember 18, 2018 Regency Lake
illage Septic System Proposal Sketch.
ased on site meeting with Mr. Tom
huck of ICHD and Paul Penninger after
te grading into permitted system area.
uke Power line also installed into edge
f permitted septic area. Repair area
ill require TS-II Pretreatment for lines
first 20 ft of lake buffer.



1) TH
TO
RI
2) AC

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Nest Homes LLC
ADDRESS: 168 Hazelton Loop
PROPOSED FACILITY: 3BR SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 168 Hazelton Loop Mooresville, NC
APPLICATION DATE 12/5/18
DATE EVALUATED: 12/18/18
PROPERTY SIZE: 0.50 acres
PROPERTY RECORDED: Yes (house built)

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	10% Next to tanks	6-0	Washed in clay/Loam			50			0.30 PS
		0-12	SCL v.w. SBk	Sl. Friable, SS, Sp, Sop					
		12-26	Clay w-m SBk	Sl. Firm, Sticky, Sp, Sop					
		26-50	Clay Loam w. SBk some Sap	Fr Friable, SS, Sp, Sop					
2	4% 10' Below Back Deck	0-10	SCL v.w SBk	Sl. Firm, SS, Sp, Sop		58"			0.30 PS
		10-28	Clay w-m SBk/ABk	Sl. Firm, Sticky, Sp, Sop					
		28-58	Clay Loam w. SBk some Sap	Fr Friable, S, Sp, Sop					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		205 l.f.
System Type(s)		PPBPS TSI
Site LTAR		0.30

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:

Comp. redraw 226207

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

Application for SEPTIC REPAIR PERMIT

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. **APPLICATION FOR:** ___Improvement Permit X Authorization To Construct ___ BOTH ___ Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
   The following optional attachments may also be submitted: ___Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable X Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Nest Homes, LLC	PO Box 3965 Mooresville NC 28117	980-500-1239	
Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
	PO Box 3965 Mooresville NC 28117		
Owner Name	Mailing Address	Home Phone #	Alternate Phone #

4. **Property Information:**

168 Hazelton Loop, Mooresville, NC 28117	Regency Lake Village	11
Street Address	Subdivision Name	Section/Phase and Lot Number

Driving Directions: Brawley School Road, Turn Left on Canvasback, Turn Left at Regency, Turn Right Hazelton loop

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

- X New, Single Family Residence
- ( ) New, Multi-Family Residence
- ( ) Expansion of Existing Septic System
- ( ) Repair To Failing Septic System due to _____
- ( ) Other _____

Maximum Number of Bedrooms 3
Maximum Number of Occupants 6
If Expansion, Current Number of Bedrooms ___

- X Crawl Space Foundation?
- ( ) Concrete Slab Foundation?
- ( ) Basement w/Plumbing?
- ( ) Basement w/out Plumbing?

IF Non- Residential Site Development: Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

6. **Proposed Water Supply:**

( ) New Well ( ) Existing Well X Community Well ( ) City Water ( ) Other Public Water

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed _____ *Year*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional X Other T & J panel

8. **Please Answer The Following To The Best of Your Ability:**
   ( ) Yes X No Does the site contain any jurisdictional wetlands?
   ( ) Yes X No Is any non-domestic sewage (i.e. industry) to be generated?
   ( ) Yes X No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

9. **Signature:** _____ 12/5/18
   Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 1172, page 1877, and/or plat book 10, page 59, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

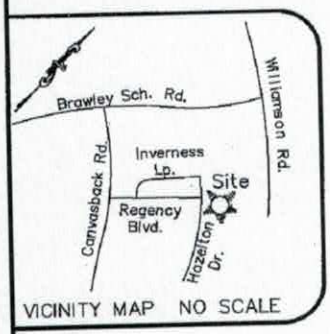
my hand and seal on the 18, day of JULY,
A.D. 20 17.

REVISED : OCT. 16,2017 (ADDED SEPTIC NOTE)
REVISED : MARCH 16, 2018 (CHANGED HOUSE PLANS)

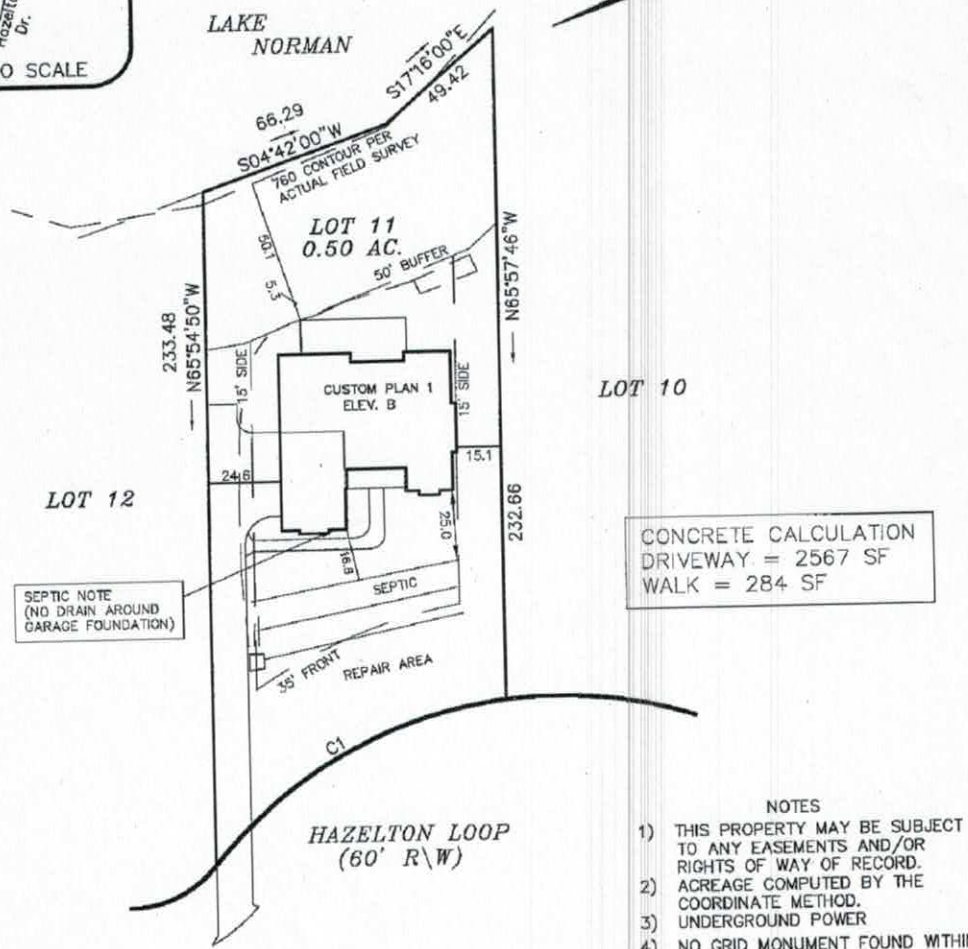
WILLIAM M. ALLEN

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	150.00'	117.16'	N 04°58'31" W	114.21'



VICINITY MAP NO SCALE



CONCRETE CALCULATION
DRIVEWAY = 2567 SF
WALK = 284 SF

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

LEGEND
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY

PLOT PLAN SURVEY

OF
166 HAZELTON LOOP
LOT 11 REGENCY LAKE VILLAGE
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 40'
ACQUIRED BY: NEST HOMES

FIELD BOOK:
FILE: REGENCY LAKE VILLAGE 11
DC FILE:
TAX MAP NO: 4646088183

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Eric Wood, am the legal owner(s) of the property located at 168 Hazelton Loop, Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4646088183.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Jenna DuBois, Nest Homes, LLC, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

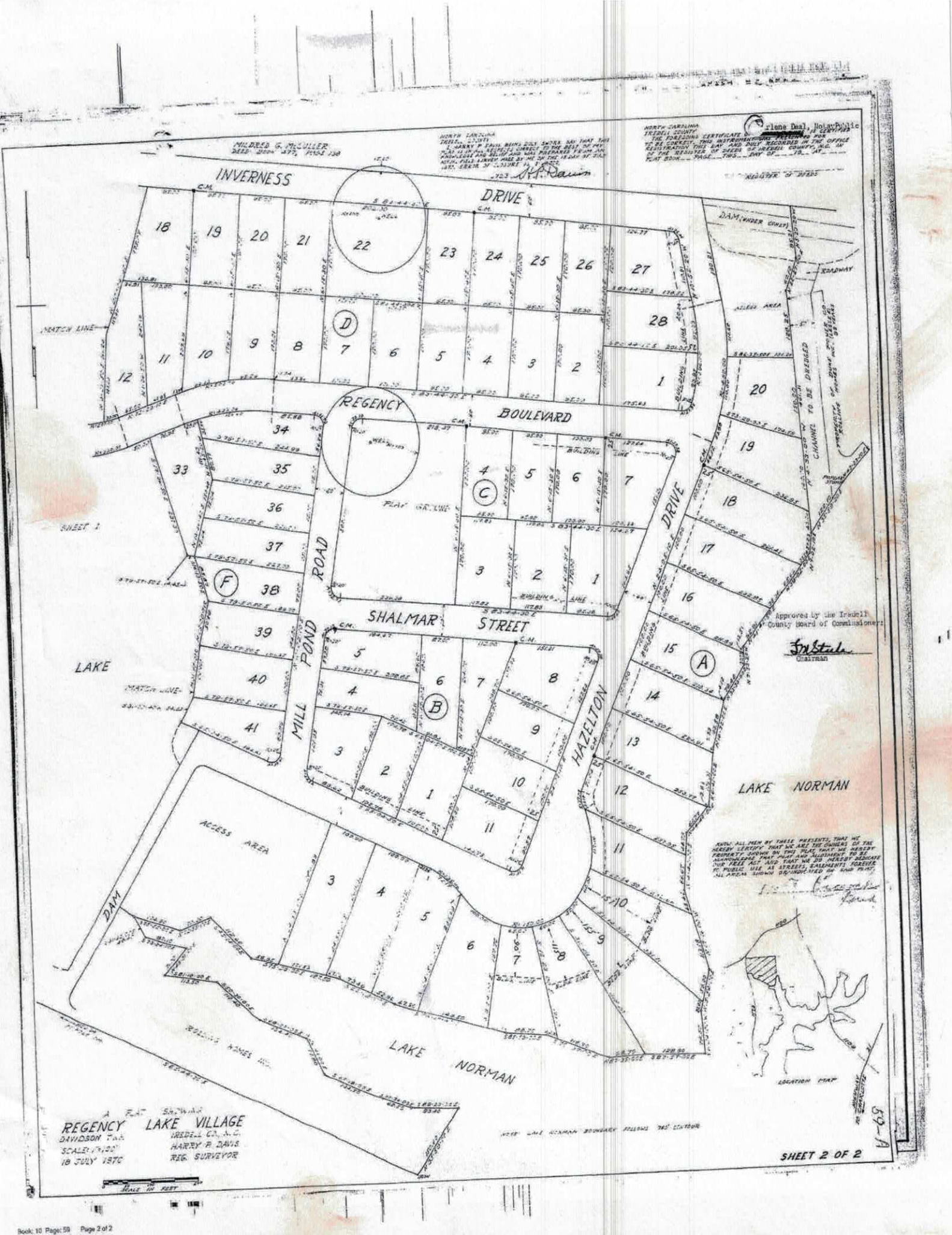
Eric Wood — 12/5/18
Signature of Owner(s) — Date

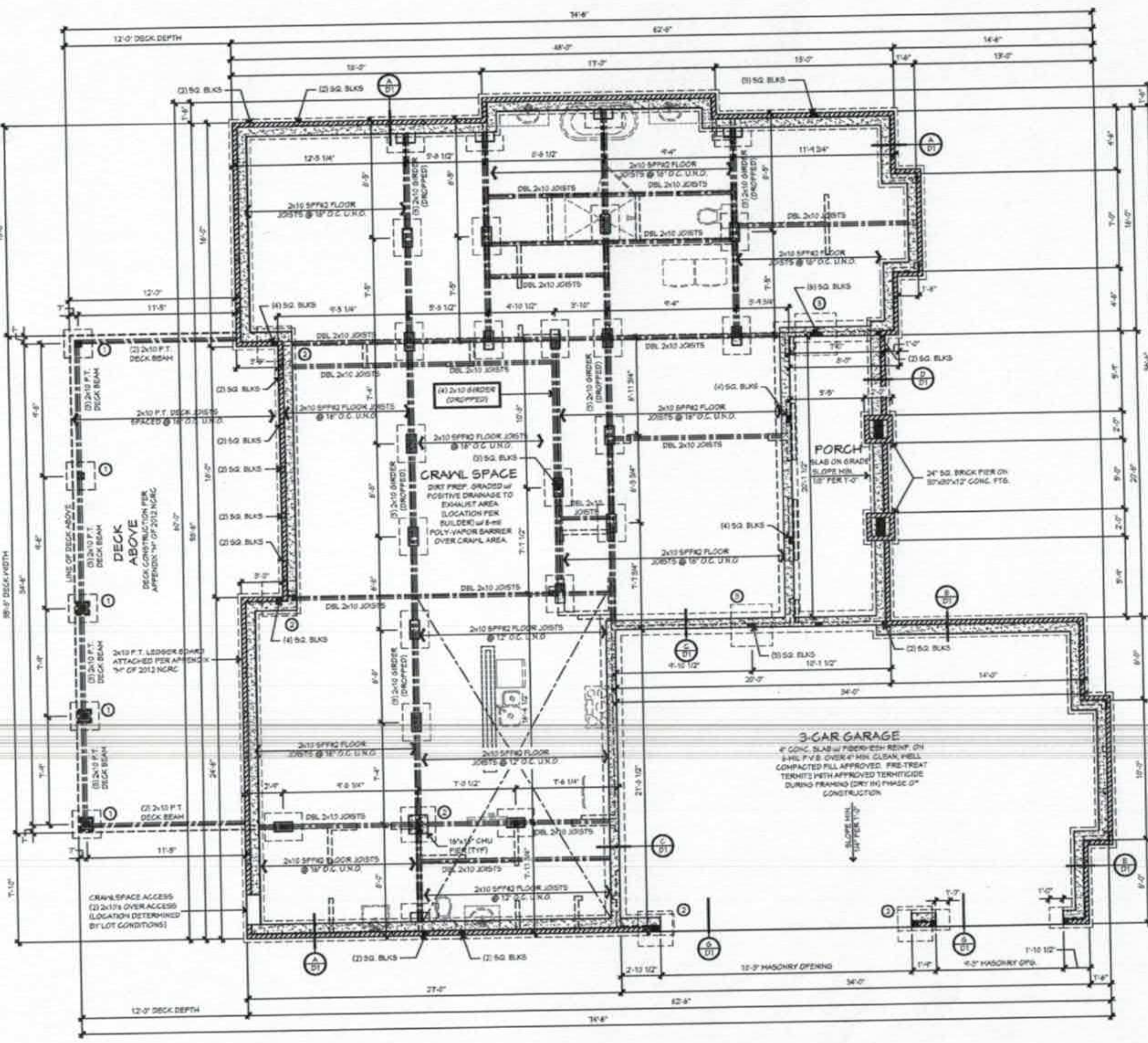
[signature] — 12/5/18
Signature of Witness — Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677


INVERNESS DRIVE
REGENCY BOULEVARD
SHALMAR STREET
MILL POND ROAD
HAZELTON DRIVE
DAM (UNDER CONST.)
ROADWAY
PROPOSED CHANNEL TO BE DREDGED
MATCH LINE
SHEET 1
LAKE
LAKE NORMAN
ACCESS AREA
DAM
LAKE NORMAN
LOCATION MAP
Approved by the Iredell County Board of Commissioners
Chairman
SHEET 2 OF 2
59-A
A PLAT SHOWING
REGENCY LAKE VILLAGE
DAVIDSON TWP. IREDELL CO., N.C.
SCALE: 1"=100' HARRY P. DAVIS
18 JULY 1970 REG. SURVEYOR
SCALE IN FEET



CRAWL SPACE FOUNDATION - ELEVATION A

SCALE: 1/4" = 1'-0"

CRAWL SPACE NOTES

FOUNDATION NOTES FOR NEW FOUNDATION:

1. ALL NEW PERIMETER WALL FOOTINGS SHALL BE CONTINUOUS 20"x8" MINIMUM, 3000 PSI CONCRETE U.N.O.
2. ALL NEW INTERIOR PIERS ARE 8"X16" CMU WITH 24"X32"X8" FOOTINGS U.N.O. FULLY GROUT PIERS >32" TALL, UNLESS OTHERWISE NOTED.
3. "SLAB ON GRADE" SHALL CONSIST OF 4" THICK, 3000 PSI CONCRETE WITH FIBERMESH REINFORCEMENT OR 6X6 W1.4XW1.4 WWF, OVER 6 MIL VAPOR BARRIER, OVER 4" CLEAN STONE & OVER COMPACTED FILL. IN GARAGES AND DRIVEWAYS INSTALL TOOTHED CONTROL JOINTS NO GREATER THAN 13 FEET IN EACH DIRECTION.
4.
5. ALL SOILS AND FILL UNDER FLOORS WITHIN AND/OR UNDER BUILDINGS SHALL HAVE PRECONSTRUCTION SOIL TREATMENT FOR PROTECTION AGAINST TERMITES. CERTIFICATION OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY.
6. SHIMS USED BETWEEN MASONRY PIERS AND WOOD GIRDERS SHALL CONSIST OF EITHER SOLID WOOD OR MULTIPLE STEEL SHIMS EQUAL IN WIDTH TO THE GIRDER AND FULLY CONTACT AT LEAST 6" THE LENGTH OF THE PIER.
7. IF DOUBLE 2x10 RIM BAND IS USED THEN SQUASH BLOCKS ARE NOT REQUIRED ALONG PERIMETER WALLS.
8. ALL JOIST AND GIRDER FRAMING IS SPF#2

CRAWL FRAME NOTES

CRAWLSPACE FRAMING NOTES:

1. "DBL" INDICATES DOUBLE JOIST
2. RIM BOARDS OR BANDS PARALLEL TO FLOOR FRAMING ARE TO BE DOUBLED.
3. WHERE DIMENSIONS ARE NOT INDICATED, BEAMS THAT RUN PARALLEL TO FLOOR JOISTS ARE INTENDED TO ALIGN UNDER LOAD BEARING WALLS. SEE THE ARCHITECTURAL PLANS FOR DIMENSIONS TO WALLS.
4. WOOD BEAMS (2 OR MORE PLIES) SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN:

MEMBER SIZE	SIMPSON HANGERS
(2) 2X8	LUS 28-2
(2) 2X10	LUS 210-2
(2) 2X12	LUS 210-2
(2) 1¾" X 9¼" LVL	HUS 410
(2) 1¾" X 11¼" LVL	HUS 412
(2) 1¾" X 14" LVL	HUS 412
ALL TRIPLE LVLs	HHUS 5.50/10

5. NOTE: FILL ALL OF THE HOLES IN HANGERS WITH 10d x 1½" COMMON NAILS (1½"x 0.162") OR 16d x2½" (2½"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10dX 1½" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY 1½" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.
6. "LVL" AND GLU-LAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2X4 OR (2)-2X6 SQUASH BLOCKS UNDER EACH END UNLESS NOTED OTHERWISE.
7. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS -WHETHER WOOD OR STEEL- CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2X4 SQUASH BLOCKS (S.B.) OF EQUAL NUMBER TO COLUMN ABOVE BETWEEN SUBFLOOR AND FOUNDATION WALL OR LOWER PLATE. RIM BOARDS AND I-JOIST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE "S.B" IS INDICATED ON THE PLAN.
8. FRAMER SHOULD MAKE EVERY EFFORT TO STAGGER SEAMS OF PLYWOOD SUBFLOOR A MINIMUM OF 18" AWAY FROM JOIST SPLICES AT FLUSH AND DROPPED GIRDERS IN AREAS WHERE HARDWOOD FLOORING IS TO BE USED.

FOOTING SCHEDULE

ID	FOOTING SIZE	REINFORCING
1	24" x 24" x12" DEEP	3 - #4's EACH DIRECTION
2	30" x 30" x12" DEEP	4 - #4's EACH DIRECTION
3	36" x 36" x12" DEEP	4 - #4's EACH DIRECTION
4	42" x 42" x12" DEEP	5 - #4's EACH DIRECTION
5	48" x 48" x12" DEEP	6 - #4's EACH DIRECTION

DROPPED PIER

FLUSH PIER

ALL PIERS TO BE 8" x 16" CMU ON 24" x 32" x 8" DEEP CONC. FOOTING

FOUNDATION NOTES:

1. ALL DIMENSIONS SHALL BE VERIFIED AGAINST ARCHITECTURAL FLOOR PLANS FOR ACCURACY BEFORE BEGINNING CONSTRUCTION OF HOME.
2. TRANSFER ALL POINT LOADS FROM FIRST AND SECOND FLOOR TO BEAM AND ROOF TRUSS BEARING ABOVE FOUNDATION WITH EQUAL AMOUNT OF STUDS
3. ALL CONCRETE TO BE A MIN. OF 3000 psi U.N.O.
4. SOIL TO HAVE A MIN. OF 2000 psf BEARING CAPACITY

NEST HOMES

256 Raceway Drive Suite 1
Mooresville, NC 28117
PH: 704-288-4551
www.nesthomes.com

Township/County: TOWNSHIP COUNTY

Engineer:
INTELLIGENT DESIGN ENGINEERING
1945 J N PEASE PLACE #204
CHARLOTTE, NC 28262
CHAD RITTER, P.E.
CORP. LIC.# C-3118
704-335-7200

Stamp/seal

Project name/owner: CUSTOM PLAN 1 ELEVATION B
HAZELTON LOT 11
OWNER NAME/TITLE
ADDRESS LINE 1
ADDRESS LINE 2
PH: 000-000-0000
PH: 000-000-0000

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Date: April 17, 2018

Drawn by: RES

Reviewed by: INITIALS

Plan set scale: 24x36 sheet 1/4" = 1'-0"; 11x17 sheet 1/8" = 1'-0"

Project/plan code: —

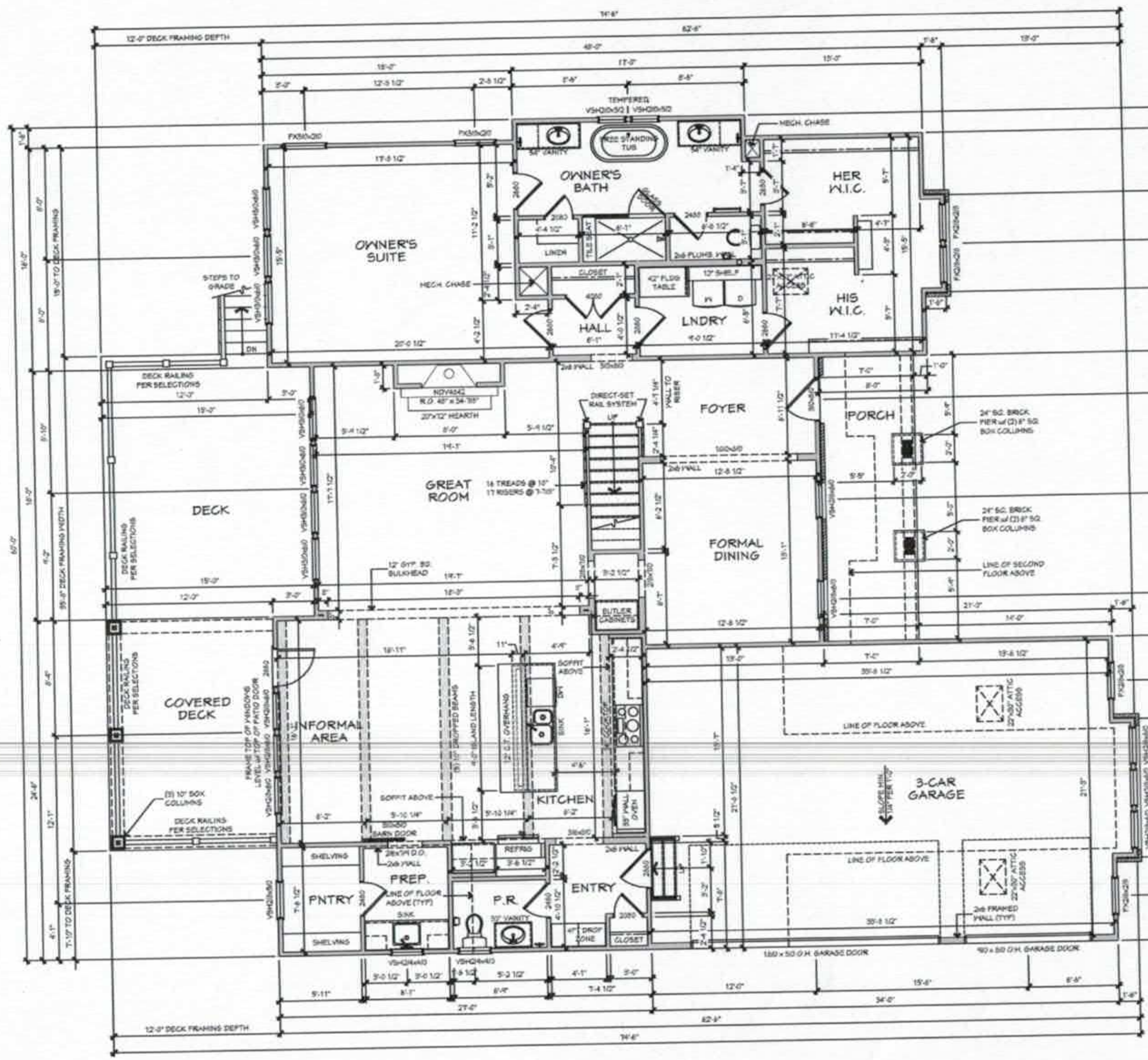
Drawing set: FOR CONSTRUCTION

Sheet title/description: MONO FOUNDATION FARMHOUSE

Sheet no.: A2.0

Master plan version: v1.0

C:\Users\Robert Smith\Dropbox (Nest Homes)\NEST HOMES - HOMEBUILDING\ARCHITECTURAL SERVICES\2_PRODUCTION\HAZELTON\LOT 11\HAZELTON LOT 11.dwg Plot Date:Tuesday, April 17, 2018 7:45:09 PM Plot Scale: 11"x17" = 1/8"=1'-0" 22"x36" = 1/4"=1'-0" Plotted by:Robert Smith



FIRST FLOOR PLAN - ELEVATION B

SCALE: 1/4" = 1'-0"
10'-1 1/8" FRAMED WALL HEIGHT
WINDOW HEADERS @ 8'-0" A.F.F.

WALL STUD REQUIREMENTS

EXT. WALL HEIGHT (h)	STUD SIZE AND SPACING
h < 10'-0"	2x4 @ 16" O.C.
10'-0" < h <11'-0"	2x4 @ 12" O.C.
11'-0" < h < 18'-0"	2x6 @ 16" O.C.
h > 18'-0"	CONSULT ENGINEER

I-JOIST NOTES

FRAMING CONSTRUCTION NOTES:

BRACED WALL LINE NOTE:
THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING CONTINUOUSLY SHEATHED WALL SHEATHING AS INDICATED IN THE GENERAL NOTES. WHERE BRACED WALLS DO NOT MEET THE PRESCRIPTIVE REQUIREMENTS OF SECTION R602.10 OF THE CODE, IT HAS BEEN ANALYZED BY ENGINEERING ANALYSIS INCORPORATING ENGINEERED LATERAL BRACING ELEMENTS WHERE NEEDED TO MEET THE INTENT OF THE CODE.

1. I-JOISTS ARE DESIGNED TO BE CONTINUOUS IN SOME AREAS, I-JOIST MANUFACTURER TO STOP AND START JOISTS WHERE SHOWN ON PLAN TO ALLOW FOR CONTINUOUS ACTION.
2. "DBL" INDICATES DOUBLE JOIST
3. RIM BOARDS AND BANDS PARALLEL TO FLOOR FRAMING TO BE DOUBLED.
4. ALL LOAD-BEARING HEADERS SHALL BE (2)2X8 SPF#2 UNLESS OTHERWISE NOTED ON THE PLAN.
5. WHERE DIMENSIONS ARE NOT INDICATED, BEAMS THAT RUN PARALLEL TO FLOOR JOISTS ARE INTENDED TO ALIGN UNDER LOAD BEARING WALLS. SEE THE ARCHITECTURAL PLANS FOR DIMENSIONS TO WALLS.
6. ALL WALLS UP TO 10 FT. TALL SHALL BE 2X4 SPF#2 @ 16" O.C. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS SHALL COMPLY WITH TABLE R602.3(4) OF THE CODE OR AS NOTED ON THE PLAN.
7. WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN:

MEMBER SIZE	SIMPSON HANGERS
(2) 2X8	LUS 28-2
(2) 2X10	LUS 210-2
(2) 2X12	LUS 210-2
(2) 1 3/4" X 9 1/4" LVL	HUS 410
(2) 1 3/4" X 11 7/8" LVL	HUS 412
(2) 1 3/4" X 14" LVL	HUS 412
ALL TRIPLE LVLs	HHUS 5.50/10

8. NOTE: FILL ALL OF THE HOLES IN HANGERS WITH 10d x 1 1/2" COMMON NAILS (3"x 0.162") OR 16d x 3 1/2" (3 1/2"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE "10dX 1 1/2" HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY 1 1/2" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.
9. STEEL BEAMS MUST HAVE (3)-2X4 OR (4)-2X6 STUDS UNDER EACH END SUPPORT UNLESS NOTED OTHERWISE.
10. "LVL" AND GLU-LAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2X4 OR (3)-2X6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.
11. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS -WHETHER WOOD OR STEEL-CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2X4 SQUASH BLOCKS (SJB) OF EQUAL NUMBER TO COLUMN ABOVE BETWEEN SUBFLOOR AND FOUNDATION WALL OR LOWER PLATE. RIM BOARDS AND I-JOIST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE "SJB" IS INDICATED ON THE PLAN.
12. FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 5" LONG TRUSSLOK OR SIMPSON SDS SCREWS @ 16" O.C. AND FOUR PLY LVLs WITH TWO ROWS OF 6 3/4" TRUSSLOK SCREWS @ 16" O.C. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 3" FROM THE TOP OR BOTTOM OF THE BEAM.
13. FASTEN FIRST KING STUD TO LUMBER HEADER WITH AT LEAST THREE 16D (3 1/2"X0.162") IN EACH PLY.
14. JACK AND KING STUD SCHEDULE AT WALL OPENINGS:
TO BE INSTALLED AT EACH END OF OPENING UNLESS OTHERWISE NOTED AS "#J" OR "#K" ON PLAN:
SPANS UP TO 4'-0" .... 1 JACK, 1 KING
SPANS >4'-0" TO 5'-6" .... 1 JACK, 2 KINGS
SPANS >5'-6" TO 6'-6" .... 2 JACK, 3 KINGS
SPANS >6'-6" .... SEE PLAN

NEST HOMES

Township/County
TOWNSHIP
COUNTY

Engineer
INTELLIGENT DESIGN ENGINEERING
1945 J N PEASE PLACE #204
CHARLOTTE, NC 28262
CHAD RITTER, P.E.
CORP. LIC.# C-3118
704-835-7290

Stamp/seal

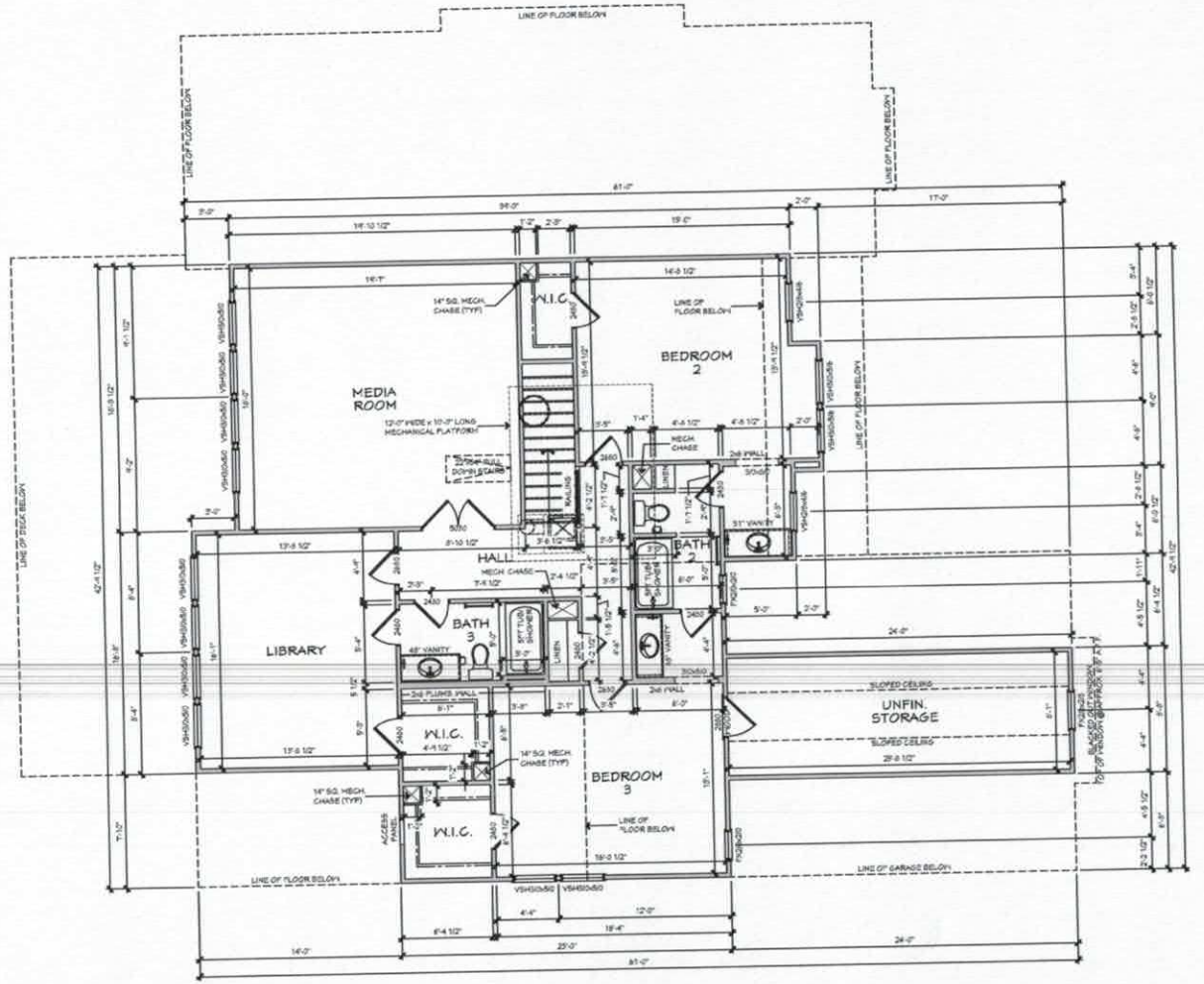
Project name/owner
CUSTOM PLAN 1
ELEVATION B

HAZELTON
LOT 11

OWNER NAME/TITLE
ADDRESS LINE 1
ADDRESS LINE 2
PH: 000-000-0000
PH: 000-000-0000

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Date: April 17, 2018
Drawn by: RES
Reviewed by: INITIALS
Plan set scale: 24x36 sheet 1/4" = 1'-0"; 11x17 sheet 1/8" = 1'-0"
Project/plan code: —
Drawing set: FOR CONSTRUCTION
Sheet title/description: FIRST FLOOR PLAN
Sheet no.: A3.0
Master plan version: v1.0



SECOND FLOOR PLAN - ELEVATION B

SCALE: 1/4" = 1'-0"
8'-1 1/2" FRAMED WALL HEIGHT
WINDOW HEADERS @ 7'-0" A.F.F.

UPPER LEVEL NOTES

UPPER LEVEL FRAMING NOTES:

BRACED WALL LINE NOTE:
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1. "T,T,R" INDICATES "TIE (CEILING JOIST) TO RAFTER WITH FOUR 3"XG.131" NAILS)

2. ALL LOAD-BEARING HEADERS SHALL BE (2)2X8 SPF#2 UNLESS OTHERWISE NOTED ON THE PLAN.

3. WHERE DIMENSIONS ARE NOT INDICATED BEAMS THAT RUN PARALLEL TO FLOOR JOISTS ARE INTENDED TO ALIGN UNDER LOAD BEARING WALLS. SEE THE ARCHITECTURAL PLANS FOR DIMENSIONS TO WALLS.

4. ALL WALLS UP TO 10'-1", TALL SHALL BE 2X4 SPF#2 @ 16" O.C. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS SHALL COMPLY WITH TABLE R602.3(4) OF THE CODE OR AS NOTED ON THE PLAN.

5. WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN

MEMBER SIZE:	SIMPSON HANGERS
(2) 2X8	LUS 28-2
(2) 2X10	LUS 210-2
(2) 2X12	LUS 210-2
(2) 1¾"X 9¼" LVL	HUS 410
(2) 1¾"X 11⅞" LVL	HUS 412
(2) 1¾"X 14" LVL	HUS 412
ALL TRIPLE LVLs	HHUS 5.50/10

6. NOTE: FILL ALL OF THE HOLES IN HANGERS WITH 10d x 1½" COMMON NAILS (3¼"x 0.162") OR 16d X3½" (3½"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10d1 ½" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY ¾" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.

7. "LVL" AND GLULAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES KT EACH END WITH A MINIMUM OF (3)-2X4 OR (2)-2X6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.

8. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS--WHETHER WOOD OR STEEL--CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2X4 SQUASH BLOCKS (SJB) OF EQUAL NUMBER TO COLUMN ABOVE BETWEEN SUBFLOOR AND FOUNDATION WALL OR LOWER PLATE. RIM BOARDS AND I-JOIST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE "SJB" IS INDICATED ON THE PLAN.

9. FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 5" LONG TRUSSLOK OR SIMPSON SDS SCREWS @ 16" O.C. AND FOUR PLY LVLs WITH TWO ROWS OF 6½" TRUSSLOK SCREWS @ 16" O.C. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 3" FROM THE TOP OR BOTTOM OF THE BEAM.

10. JACK AND KING STUD SCHEDULE AT WALL OPENINGS:
TO BE INSTALLED AT EACH END OF OPENING UNLESS OTHERWISE NOTED AS "KJ" OR "BK" ON PLAN
SPANS UP TO 4'-0" ..... 1 JACK, 1 KING
SPANS >4'-0" TO 5'-4" ..... 2 JACK, 2 KINGS
SPANS >5'-4" TO 8'-4" ..... 3 JACK, 2 KINGS
SPANS >8'-4" ..... SEE PLAN

11. CONTRACTOR TO PROVIDE 22"x30" ACCESS TO ATTIC.

TRU HOMES
236 Discovery Drive, Suite I
Mooresville, NC 28117
PH: 704-799-4201
www.truhomes.com

Township/County
TOWNSHIP
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Engineer
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Stamp/seal

Project name/owner
CUSTOM PLAN 1
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Date
April 17, 2019

Drawn by
RES

Reviewed by
INITIALS

Plan set scale
24x36 sheet
1/4" = 1'-0"
11x17 sheet
1/8" = 1'-0"

Project plan code

Drawing set
FOR CONSTRUCTION

Sheet title/description
SECOND FLOOR PLAN

Sheet no.
A4.0

Master plan version
v1.0

Plot Scale: 11"x17" = 1/8"=1'-0" 22"x36" = 1/4"=1'-0" Plotted by:Robert Smith
C:\Users\Robert Smith\Dropbox (Neal Homes)\RES7 HOMES - HOMEBUILDING\ARCHITECTURAL SERVICES_PRODUCTION\HAZELTON\LOT 11\HAZELTON LOT 11.dwg Plot Date: Tuesday, April 17, 2019 3:48:19 PM