ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 324173

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

PIN # 4638 -- 04 -- 2347

APPLICANT/OWNER: T. Whelan Homes | APPLICANT ADDRESS: P.O Box 4419 Mooresville, NC 28117

SITE ADDRESS: 349 Robinson Rd. Mooresville, NC 28117 | PHONE: 7014008932 | ALT. PHONE

SITE DIRECTIONS: Hwy 150 West TR Robinson Rd ~ 1mile on left @ Mallbrook | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: CL & T | SECTION: 11 | LOT # 198 | LOT AREA: .595 Acre | DESIGN FLOW: 480gpd | L.T.A.R.: .3F/.125Rep

Septic Tank	~~min~~ 1000 (gal)	STB 964	Date 9-4-2023	☐ New System ☐ Repair ☒ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	(gal)	PT	Date	System Description: Existing Conv. Bed + PPBPS		☐ Business	No. Persons 8	☐ Private
Pump Make	Model		Serial #	Repair System Description: TSII Drip Dispersal		☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 2		Linear Ft 70'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☐ Crawl Space	☐ Community
Trench Width min 24"	Trench Bottom Depth(Low side) 30"		Gravel Depth N/A	☒ GRAVITY	☐ PRESSURE	☐ Basement w/ plumbing	☒ Basement w/o plumbing	

Comments / Conditions: * 1500 gal tank requested by owner, * Existing well must be abandoned prior to CO.

* Basement plumbing shall be lifted to main level & gravity flow to ST.

INITIAL SITE SKETCH

See attached, approved Septic plan by Michael Athanas & Assoc. (dated 12/22/21)

AS BUILT SKETCH

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

IMPROVEMENT PERMIT ONLY
DO NOT ISSUE BUILDING PERMIT!
FLOOR PLAN STILL NEEDED!

Balance = 0

SEE ATTACHED

Permit can be suspended or revoked if any false information is supplied toward 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 mo.*

Owner / Applicant Signature: _____ Date: 1-13-2022 | Installed by: RUSSELL WILLIAMS

IMPROVEMENT PERMIT by: Maria Dotson Date: 1/11/21 | OPERATION PERMIT by: Bryant C. Whitley Date: 10-11-2023

AUTHORIZATION TO CONSTRUCT by: D. Melberg Date: 12/7/22 | Existing System Inspected by: _____ Date: _____

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

Approved
1/11/21
MD

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556Walden Trail
Weddington, NC 28173
(704) 576-3887
12/22/2021

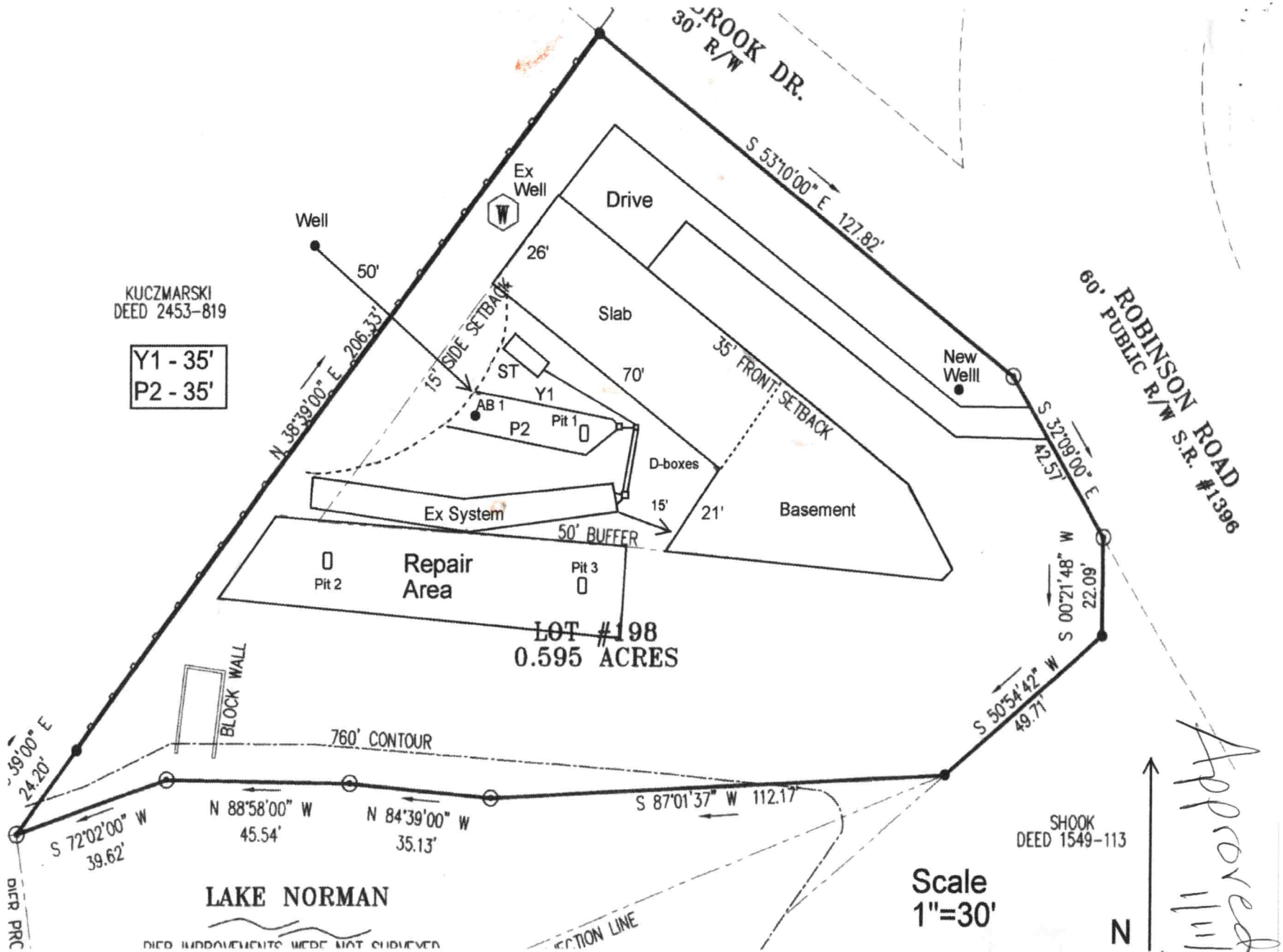
Reference: Data Sheet for 349 Robinson Rd, CL&T Sec 11 Lot 198
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2 (initial), 0.125 GPD/FT^2 (repair)
Proposed System Type: Existing Conv. Bed + PPBPS
Proposed Repair System Type: TSII Drip Dispersal
Distribution: Distribution boxes
Septic Tank Size: 1500 gallon (requested by owner)
Proposed Trench Bottom: 30-36"

Line	Design Length	Actual Length
Yellow 1	35'	35'
Pink 2	35'	35'
White	Existing Conv. Bed	

Initial System: Bed + 70' **Repair System:** 1660 FT^2

Comments:
Lot deeded 9/7/1976 (BK/PG 14/47)
House area marked in orange flags. The septic area must be preserved. The existing well must be abandoned and a new well installed. The basement plumbing should be lifted to the main level to gravity flow to the septic tank.




OOK DR.
30' R/W
S 53°10'00" E 127.82'
Ex Well
Well
Drive
26'
50'
KUCZMARSKI
DEED 2453-819
Y1 - 35'
P2 - 35'
N 38°39'00" E 206.33'
15' SIDE SETBACK
Slab
ST
Y1
AB 1
P2
Pit 1
70'
35' FRONT SETBACK
New Welll
60' ROBINSON ROAD
PUBLIC R/W S.R. #1396
S 32°09'00" E
42.57'
D-boxes
15'
21'
Basement
Ex System
50' BUFFER
Pit 2
Repair
Area
Pit 3
LOT #198
0.595 ACRES
S 00°21'48" W
22.09'
S 50°54'42" W
49.71'
BLOCK WALL
760' CONTOUR
59'00" E
24.20'
S 72°02'00" W
39.62'
N 88°58'00" W
45.54'
N 84°39'00" W
35.13'
S 87°01'37" W 112.17'
SHOOK
DEED 1549-113
LAKE NORMAN
Scale
1"=30'
N
Approved
11/1/23

Approved
1/11/22

PROPERTY ID #: 4638042347
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: David Hannon
ADDRESS: 35 Wayne Ct, Northport, NY 11768
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 349 Robinson Rd, CL&T Sec 11 Lot 198
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: X Auger Boring X Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED: 12/2021
PROPERTY SIZE: 0.595 AC
PROPERTY RECORDED: 9/7/1976
TYPE OF WASTEWATER: X Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
PIT 1	LS 4% water in bottom of pit	0-15	R C SBK	FR SS SP SXP	N/A	50"	F-C SAP	N/A	PS 0.3-0.35
		15-50	R CL WSBK	FR SS SP SXP					
PIT 2	LS 8%	0-15	R C SBK	FR SS SP SXP	N/A	42"	Few SAP Com SAP PS	N/A	PS 0.35-0.4
		15-42	R CL WSBK	FR SS SP SXP					
		42-57	VER SL SAP M	VFR SS SP SXP					
PIT 3	LS 8%	0-24	R CL WSBK	FR SS SP SXP	N/A	24"	Com SAP PS	N/A	PS 0.35-0.4
		24-56	VER SL SAP M	VFR SS SP SXP					
AB 1	LS 4% Dug out hole 1/5/22	0-5	Br CL WSBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3-0.35
		5-20	R C SBK	FR SS SP SXP					
		20-48	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Ex Sys+140FT^2	1660 FT^2
System Type(s)	Ex Sys+PPBPS	TSII DRIP
Site LTAR	0.3	0.125

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

EDELL COUNTY HEALTH DEPARTMENT 4638042347

(SEPTIC TANK) IMPROVEMENTS PERMIT AND CERTIFICATE OF COMPLETION
(Ground Absorption Sewage Disposal System – G. S. Chapter 130-Article 13C)

OWNER OR CONTRACTOR Ron Moore DATE 6-24-82 PERMIT NO. 189

PHONE: Business Home

LOCATION 150W TR 1396 0.9 mile on left TR on left

SUBDIVISION NAME Lake Norman LOT NO. 198 S. R. No. SECTION OR BLOCK NO. 4

House ( ) Mobile Home (X) Business ( ) Other

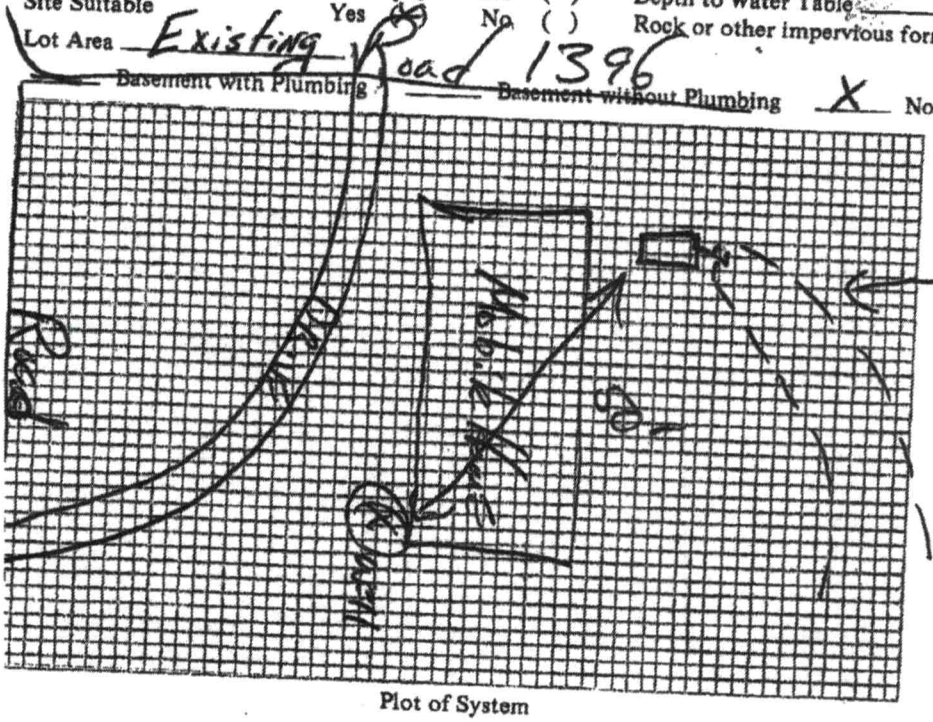
No. Bedrooms 3 No. Bathrooms 2

Garbage Disposal Unit	Yes ( )	No (X)
Auto. Dishwasher	Yes (X)	No ( )
Auto. Wash. Machine	Yes (X)	No ( )
Site Suitable	Yes (X)	No ( )

Lot Area Existing

Character & Porosity of Soil Existing System
Percolation Rate
Topography
Depth to Water Table
Rock or other impervious formations

Basement with Plumbing ___ Basement without Plumbing ___ No Basement X



Plot of System

Size of Tank Existing Gals.
Nitrification Field:
No. of Lines Existing
Sq. Ft. Linear Ft.
Depth of Stone in Lines
Water Supply: Individual (X) Public ( )

Installed by

I understand and agree to install septic tank system as specified on this Improvements Permit.

Signed:

MPROVEMENTS PERMIT BY

OMMENTS: Existing System working ok At date of inspection

ERTIFICATE OF COMPLETION BY DATE

XISTING SYSTEM CHECKED BY: Fred Clemmer DATE 6-24-82

CONSTRUCTION MUST COMPLY WITH ALL OTHER APPLICABLE STATE AND LOCAL REGULATIONS.

ermit is VOID if any unauthorized changes are made in installation of system and/or if any false information is supplied in making mprovements Permit.

Health Dept. Copy: White Inspection Dept. Copy: Yellow Sanitarian's Copy: Pink Owner's Copy: Gold

SQUARE FOOTAGE
ALL FOOTAGE CALCULATED TO STUD

1. FIRST FLOOR HEATED	1,482
2. SECOND FLOOR HEATED	1,376
TOTAL HEATED	2,868
COVERED ENTRY	65
COVERED PATIO (LOWER LEVEL)	186
FUTURE EXERCISE ROOM (LOWER LEVEL)	473
LAKE STORAGE (LOWER LEVEL)	182
MECHANICAL ROOM (LOWER LEVEL)	365
SCREENED PORCH	188
TWO-CAR GARAGE	762
TOTAL UNDER ROOF	4,981

ATTIC STORAGE 349

SECOND FLOOR WINDOW SCHEDULE

ID	QTY	SIZE W	SIZE HT	NOTES
J	2	2'-6"	3'-6"	SINGLE CASEMENT WINDOW UNIT
K	1	4'-0"	3'-0"	TWIN FIXED GLASS WINDOW UNIT
L	1	4'-0"	3'-0"	TWIN FIXED GLASS WINDOW UNIT
M	2	5'-0"	4'-0"	TWIN CASEMENT WINDOW UNIT
N	1	1'-6"	4'-0"	TRIPLE CASEMENT WINDOW UNIT
P	1	1'-6"	5'-0"	TRIPLE CASEMENT WINDOW UNIT
Q	1	1'-6"	6'-0"	TRIPLE CASEMENT WINDOW UNIT w/ TR FLR 24" TALL TRIAN-SHAPE ABOVE
R	1	5'-0"	2'-0"	TR FLR FIXED GLASS WINDOW UNIT
S	1	5'-0"	5'-0"	TRIPLE CASEMENT WINDOW UNIT
T	1	5'-0"	6'-0"	TRIPLE CASEMENT WINDOW UNIT -TEMPERED

* VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

SECOND FLOOR DOOR SCHEDULE

ID	QTY	DOOR W	DOOR HT	GLZ	NOTES
10	1	5'-0"	6'-8"		CASED OPENING
11	2	2'-6"	6'-8"		SINGLE INTERIOR TWO PANEL DOOR
12	2	2'-6"	6'-8"		SINGLE INTERIOR BARN STYLE DOOR w/ OVERHEAD ROLLING + HARDWARE
13	1	2'-0"	6'-0"		SINGLE INTERIOR INSULATED TWO PANEL DOOR w/ WEATHER STRIPPING + THRESHOLD
13	1	2'-6"	6'-8"		SINGLE INTERIOR INSULATED TWO PANEL DOOR w/ WEATHER STRIPPING + THRESHOLD
14	4	2'-6"	6'-8"		SINGLE INTERIOR TWO PANEL DOOR
15	2	5'-0"	6'-8"		TWIN INTERIOR TWO PANEL DOOR

* VERIFY ROUGH OPENING REQUIREMENTS W TH DOOR MANUFACTURER

LINTELS SUPPORTING MASONRY VENEER:

SEE TABLE R703.8.3.1 FOR SIZE OF STEEL LINTEL FOR A GIVEN SPAN (UP TO 12') FOR SPANS GREATER THAN 12' OR WHERE SHOWN ON PLANS BY "LINTEL NOTE" FASTEN L4"x4"x5/16" STEEL ANGLE TO WOOD HEADER WITH 1/2" DIA. x4" LAG SCREWS @ 16"o.c. EXTEND ALL ANGLES 6" PAST OPENING "TO BEAR ON MASONRY VENEER AT ENDS. SUPPORT ALL BRICK CLIPPED PER DETAIL ON PLANS OR R703.8.2 AND FIGURE "703.8.2."

BRACED WALL LINE NOTE:

THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING DIAGONAL WALL BOARD SHEATHING FOR EXISTING PORTION OF STRUCTURE. WSP PONT ONE OF THIS STRUCTURE HAVE BEEN ANALYZED FOR CONTINUOUSLY SHEATHED 7/16" OSB WALL SHEATHING USING 8d NAILS @ 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES.

ALL 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. SEE PLANS FOR ALL NOTES AND DETAILS.

CHIMNEY CHASE FRAMING (TYP.)

1. BALLOON FRAME 2x6 @ 16"o.c. OR 2x4 @ 12"o.c. STUDS FROM TOP OF WALL/BEAM THROUGH ROOF TO TOP OF CHIMNEY.

2. INSTALL A VERTICAL SIMPSON LSTA18 OR 18" LONG CS20 (MIN.) GOL STRAP ON THE EXTERIOR SIDE OF EACH STUD WITH 8d COMMON NAILS. WHERE APPROPRIATE LTS18 TWIST STRAPS CAN BE USED.) DO NOT BEND STRAP.

3. SHEATHE ENTIRE HEIGHT OF CHIMNEY STUDS BELOW ROOF WITH 7/16" OSB OR BLOCK WITH HORIZONTAL 2X4 BETWEEN STUDS AT 48"o.c. VERTICALLY (MAX.)

CEILING JOISTS DESIGNATION

(10) 2x10 @16"O.C. = 16" o.c. CEILING JOISTS

(8) 2x8 @16"O.C. = 16" o.c. CEILING JOISTS

FLOOR PLAN CONSTRUCTION NOTES
(SEE SHEET 3 FOR ADDITIONAL NOTES)

1. "T.T.N" INDICATES "TOE (CEILING JOIST) TO RAFTER W TH FOUR 3"X0.13" NAILS)

2. ALL LOAD- BEARING HEADERS SHALL BE (2)2x8 @16"O.C. UNLESS NOTED OTHERWISE 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 PLANS FOR DIMENSIONS TO WALLS.

4. ALL WALLS UP TO 10'-2" FT. TALL SHALL BE MIN. 2X4 @16"O.C. UNLESS NOTED OTHERWISE ON THE PLAN. WALLS BETWEEN 10'-2" AND 12'-2" TALL SHALL BE A MIN. OF 2x6 @16"O.C. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS ARE SPECIFICALLY 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/(2) 2x12	LUS 210-2
(3) 2x10, (3) 2x12	LUS 210-3
(2) 1¾" x 9 ¼" LVL	HUS 410
(2) 1¾" x 11⅞"-14" LVL	HUS 412
(2) 1¾" x 16"-24" LVL	HHUS 410
ALL TRIPLE LVLs	HHUS 5.50/10

6. NOTE: FILL ALL OF THE HOLES IN BEAM HANGERS WITH (#10 x 1½" COMMON NAILS (1½"L x 0.162") OR (#10 x 2" (2"L x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY TIE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE NAILS SUPPLIED WITH HANGERS. NAILS ARE OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY ½" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.

7. "LVL" AND GLULAM" BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2x4 OR (2)-2x6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.

SLAB 4" CONCRETE SLAB (3000 psi) w/ 6x6 10/10 WWF\ on 6 mil POLY VAPOR BARRIER on 4" GRAVEL. PROVIDE TERMITE TREATMENT BELOW ALL CONCRETE SLABS OR BORATE ON THE WOOD FRAMING (TYP.)

a. ■ INDICATES "10 KT" LOADS. 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 COUPLIN ABOVE BETWEEN SUBFLOOR AND FOUNDATION SILL OR LOWER PLATE. RIM BOARDS AND 1-ADST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE "TEAM OF SUPPORT" UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE "S.B." IS INDICATED ON THE PLAN.

NUMBER OF KING STUDS BASED ON OPENING WIDTH:

2x4 WALL	
LESS THAN (3'-0"	+ 1 KING
3'-0" TO 6'-0"	+ 2 KINGS
6'-1" TO 8'-0"	+ 3 KINGS
8'-1" TO 10'-1"	+ 4 KINGS
OVER 10'-1"	+ SEE PLAN

2x6 WALL	
LESS THAN (5'-0"	+ 1 KING
5'-1" TO 10'-0"	+ 2 KINGS
GREAT" THAN) 10'-1"	+ SEE PLAN

9. "SCREWED": FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 3" LONG PLATLOK OR SIMPSON SDS SCREWS @ 9" o.c. AND FOUR PLY LVLs WITH TWO ROWS OF ASIA" PLATLOK 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. FASTEN FIRST K NG STUD TO LUMBER HEADER WITH AT LEAST THREE 16d (3½"TNO 162") IN EACH PLY. EACH KING STUD PLY SHALL BE NAILED TO THE OTHER WITH TWO ROWS OF 3"x0.131" NAILS AT 12"o.c. SEE R602.3.5 FOR NUMBER OF KING STUDS REQUIRED IF NOT NOTED ON PLANS.

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

12. "PROVIDE 1/2" DRYWALL SEPARATION BETWEEN WALL + 5/8" TYPE X DRYWALL AT CEILING OF HOUSE + GARAGE

13. ALL ANGLES ARE 45° UNLESS NOTED OTHERWISE

14. BUILD UP FLOOR AREAS AS REQUIRED TO HAVE FLUSH FLOOR FINISHES AT DIFFERENT FLOOR FINISHING MATERIALS.

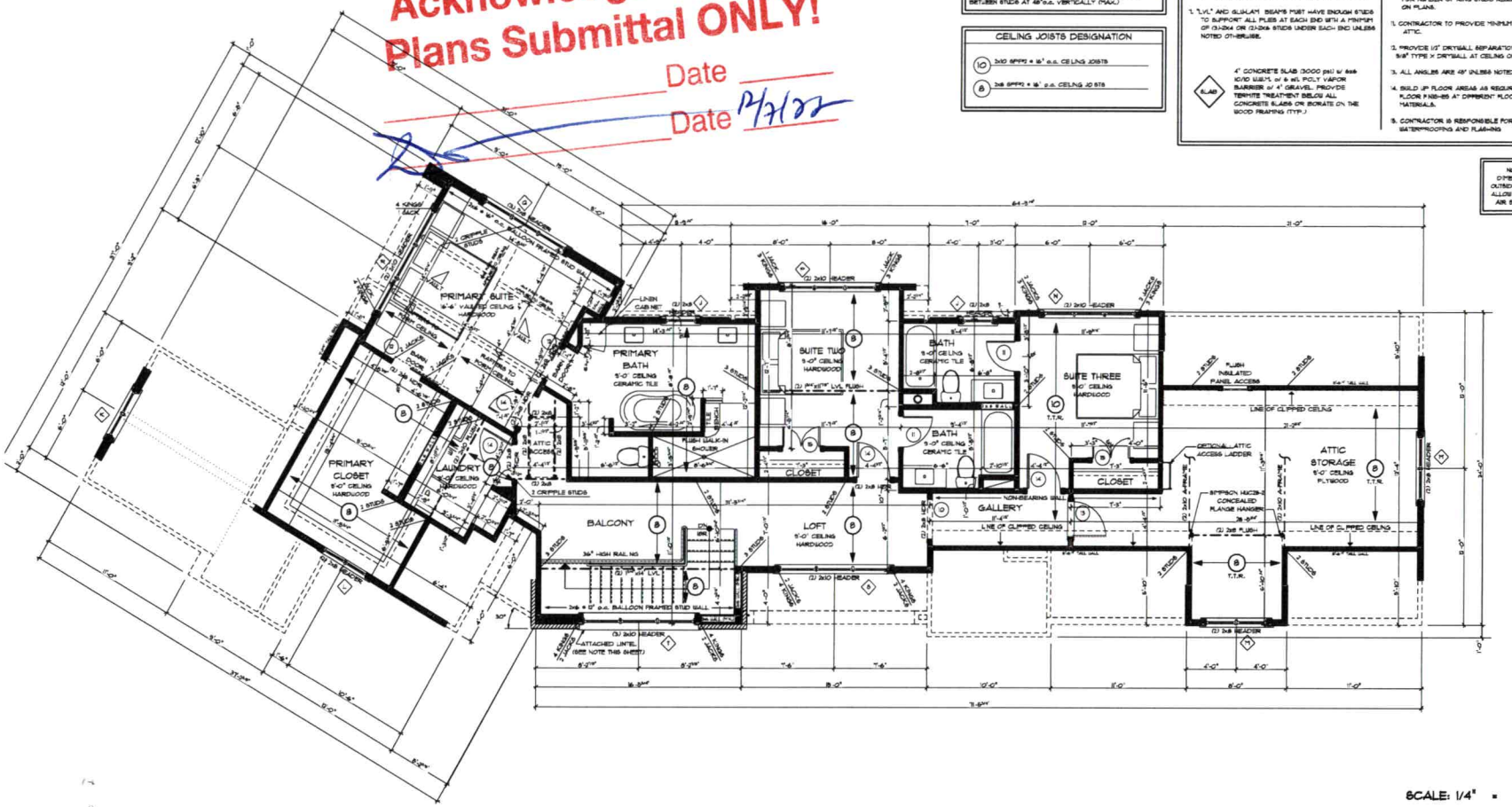
15. CONTRACTOR IS RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING

NOTE: ENTER DIMENSIONS REFER TO OUTSIDE OF SHEATHING TO ALLOW FOR CONTINUOUS 1" AIR SPACE FOR BRICK

Acknowledgement Of Plans Submittal ONLY!

Date _____

Date 12/7/22



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

K+H RESIDENTIAL DESIGN
KHRESIDENTIALDESIGNS.COM
704-728-0505
N·C·B·D·C
ENGINEER:
NORTH CAROLINA PROFESSIONAL SEAL 31995 ENGINEER CHAD T. RITTER
IDE INTELLIGENT DESIGN ENGINEERING

THE EDWARDS RESIDENCE
3419 ROBINSON ROAD
MORRISVILLE, NORTH CAROLINA

HomeBuilders Association of Charlotte MEMBER BBB ACCREDITED BUSINESS CERTIFIED GREEN PROFESSIONAL AMERICAN INSTITUTE OF BUILDING DESIGN

PROJECT NO: 2023-118
DATE: 6/9/2023
REVISIONS:

DRAWN BY: T.LEONARD

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KHR RESIDENTIAL DESIGNS AUTHORIZES THIS PLAN TO BE BUILT ONE TIME BY THE ORIGINAL PURCHASER -- MODIFICATIONS OR REUSE OF THIS PLAN IS PROHIBITED

SHEET TITLE
SECOND FLOOR PLAN

08

SHEET 08 OF 18

SQUARE FOOTAGE ALL FOOTAGE CALCULATED TO STUD	
1. FIRST FLOOR HEATED	1,482
2. SECOND FLOOR HEATED	1,356
TOTAL HEATED	2,868
COVERED ENTRY	69
COVERED PATIO (LOWER LEVEL)	186
FUTURE EXERCISE ROOM (LOWER LEVEL)	473
LAKE STORAGE (LOWER LEVEL)	182
MECHANICAL ROOM (LOWER LEVEL)	368
SCREENED PORCH	186
TWO-CAR GARAGE	552
TOTAL UNDER ROOF	4,581
ATTIC STORAGE	349

FIRST FLOOR WINDOW SCHEDULE				
ID	QTY	SIZE W	SIZE HT	NOTES
A	1	2'-6"	4'-0"	SINGLE FIXED GLASS WINDOW UNIT
B	1	2'-0"	6'-0"	SINGLE FIXED GLASS WINDOW UNIT
C	1	2'-6"	6'-0"	SINGLE FIXED GLASS WINDOW UNIT
D	1	3'-0"	4'-0"	SINGLE CASEMENT WINDOW UNIT
E	3	5'-0"	6'-0"	TWIN CASEMENT WINDOW UNIT
F	1	1'-8"	3'-0"	TRIPLE FIXED GLASS WINDOW UNIT
G	1	1'-8"	4'-0"	TRIPLE CASEMENT WINDOW UNIT
H	3	1'-8"	6'-0"	TRIPLE CASEMENT WINDOW UNIT

* VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

FIRST FLOOR DOOR SCHEDULE					
ID	QTY	DOOR W	DOOR HT	DOOR GLZ	NOTES
01	1	6'-0"	7'-0"	TEMP.	TWIN 36" EXTERIOR TWO PANEL FRONT ENTRY DOOR W/ GLASS PANEL, W/ 24" SIDE SIDELIGHTS EACH SIDE - TEMPERED
02	1	3'-0"	8'-0"	TEMP.	SINGLE EXTERIOR TWO PANEL DOOR W/ GLASS PANEL - TEMPERED
03	2	9'-0"	8'-0"		FOUR PANEL OVERHEAD GARAGE DOOR
04	1	6'-0"	6'-0"	TEMP.	TWIN EXTERIOR 36" SLIDING GLASS DOOR -TEMPERED
05	1	5'-0"	8'-0"	TEMP.	QUAD. 36" SLIDING GLASS DOOR W/ TWO ACTIVE CENTER PANELS -TEMPERED
06	1	2'-8"	8'-0"		SINGLE INTERIOR INSULATED TWO PANEL DOOR W/ 20MIN. FIRE RATING W/ WEATHER STRIPPING + THRESHOLD
07	2	2'-8"	8'-0"		SINGLE INTERIOR TWO PANEL DOOR
08	2	4'-0"	8'-0"		TWIN INTERIOR TWO PANEL DOOR

* VERIFY ROUGH OPENING REQUIREMENTS WITH DOOR MANUFACTURER

NOTE: EXTERIOR DIMENSIONS REFER TO OUTSIDE OF SHEATHING TO ALLOW FOR CONTINUOUS 1" AIR SPACE FOR BRICK.

LINTELS SUPPORTING MASONRY VENEER:

SEE TABLE R703.8.3.1 FOR SIZE OF STEEL LINTEL FOR A GIVEN SPAN (UP TO 12') FOR SPANS GREATER THAN 12' OR 3-BRK SHOWN ON PLANS BY TURTEL NOTE) FASTEN L4"X4"X5/16" STEEL ANGLE TO WOOD HEADER WITH 1/2" DIA. X4" LAG SCREWS @ 16"o.c. EXTEND ALL ANGLES 6" PAST OPENING TO BEAR ON MASONRY VENEER AT ENDS. SUPPORT ALL BRICK CLOSES PER DETAIL ON PLANS OR R703.8.3 AND FIGURE R703.8.3.1

BRACED WALL LINE NOTE:

THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING DIAGONAL WALL BOARD SHEATHING FOR EXISTING PORTION OF STRUCTURE. NEW PORTIONS OF THIS STRUCTURE HAVE BEEN ANALYZED FOR CONTINUOUSLY SHEATHED 7/16" OSB WALL SHEATHING USING 8d NAILS AT 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES.

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. SEE PLANS FOR ALL NOTES AND DETAILS.

CANT. BLOCKING: BLOCK OVER WALL BETWEEN CANTILEVERED FLOOR JOISTS WITH FULL HEIGHT RIM BOARD BLOCKING. SECURE FLOOR SHEATHING TO BLOCKING WITH 8D NAILS AT 4"o.c. AND BLOCKING TO TOP PLATE WITH 8D TOENAILS AT 4"o.c.

FRAMING NOTES:

1. JOISTS ARE DESIGNED TO BE CONTINUOUS IN BOTH AREAS. CONTRACTOR TO STOP 1 STRAIT JOISTS WHERE SHOWN ON PLAN TO ALLOW FOR CONTINUOUS ACTION. CONTRACTOR TO CONTACT ENGINEER OF RECORD FOR APPROVAL IF JOISTS DIFFER FROM THOSE SPECIFIED ON PLANS.
2. ALL FRAMING MEMBERS TO BE SPF#2 OR STUD UNO.
3. ALL HARDWARE BY SIMPSON STRONG-TIE COMPANY OR EQUAL.
4. SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS.
5. CONTRACTOR RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING.
6. ALL LOAD BEARING HEADERS TO BE (2)2X8 UNO.
7. BEAMS PARALLEL TO FLOOR JOISTS SHALL BE ON UNDER WALLS ABOVE.
8. DOUBLE JOISTS OR CRIPPLE WALLS TO BE INSTALLED BETWEEN STACKING LOAD BEARING WALLS TO TRANSFER LOADING.
9. DOUBLE JOISTS CAN BE SEPARATED UP TO 3/4" TO ALLOW FOR PASSAGE OF PLUMBING PIPES AND ELECTRICAL WIRES.
10. RIMBOARDS 4 BANDS PARALLEL TO FLOOR JOISTS SHALL BE DOUBLED.
11. ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, 4 BEAM STUDS MUST BE SUPPORTED WITH EQUIVALENT # OF SOLID BLOCKS AND/OR STUDS DOWN TO THE FOUNDATION. RIMBOARD AND JOIST BLOCKING IS NOT POINT SUBLE
12. FRAMER SHALL 8" AGGIER BEAMS OR SUBFLOOR A MINIMUM OF 18" FROM JOIST SPLICES AT ALL BEAMS, GIRDERS, AND WALLS.
13. WALL FRAMING UNO:
    WALLS UP TO 10'-2" TALL SHALL BE MINIMUM 2X4 @ 16" O.C.
    WALLS BETWEEN 10'-2" & 12'-2" TALL TO BE MINIMUM 2X6 @ 16" O.C.
14. STUD BEARING END SUPPORT UNO:
    2W LUMBER = 1 OF BEAM PLIES / FOR HEADERS
    LVL, PSL, GLU-LAM = 3
    STEEL BEAM = 3
15. NUMBER OF KING STUDS ASSED ON OPENING WIDTH UNO:

2X4 WALL		2X6 WALL	
WIDTH ≤ 3'-6"	= 1 K NS	WIDTH ≤ 5'-0"	= 1 KING
3'-6" TO 6'-0"	= 2 KINGS	5'-1" TO 10'-0"	= 2 KINGS
6'-1" TO 8'-0"	= 3 KINGS	OVER 10'-1"	= SEE PLAN
8'-1" TO 10'-"	= 4 KINGS		
OVER 10'-1"	= SEE PLAN		

16. METAL HANGERS SCHEDULE UNO:

(2) 2X8	LUS 28-2
(2) 2X10, (2) 2X12	LUS 210-3
(3)2X10, (3)2X12	LUS 210-3
(2) 9 1/4" X 9 1/4" -44" LVL	HUS 410
(2) 9 1/4" X 18" - 24"LVL	HHUS 410
ALL TRIPLE LVLs	HHUS 9.5/20

EQUIVALENT CAPACITY HANGERS BY OTHERS ARE ACCEPTABLE. DO NOT SUBSTITUTE HANGERS OR USE INADEQUATE FASTENERS.

17. FASTENER SCHEDULE UNO:
    METAL HANGERS - (6)O X 1 1/2" OR (4)O X 2 1/2" NAILS (16O = 0.162").
    METAL STRAPS - (6)O X 1 1/2" OR (4)O X 2 1/2" NAILS
    HOLDOWNS - 5/8" X 14" SDS SCREWS.
    TO MASONRY - 5/8"X5" TITEN II SCREWS.
    INTO 1 1/2" OF WOOD ADD 10" X 1" NAILS (100 = 0.148").
    OTHER HARDWARE - PER MANUFACTURERS SPECIFICATIONS UNO.
    USE PROTECTED FASTENERS PER CODE IF EXPOSED TO WEATHERING
18. "SCREWED":
    FASTEN PLIES OF (2) PLY LVLS WITH (2) 3" FLATLOK SCREWS @ 16" O.C.
    FASTEN PLIES OF (4) PLY LVLS WITH (2) 4 1/2" FLATLOK SCREWS @ 16" O.C.
    SCREWS TO BE STAGGERED FROM TOP OR BOTTOM OF BEAM. EQUIVALENT SCREW SUPPLY SCREWS EQUIVALENT IS ACCEPTABLE.
19. WHERE METAL STRAPS NO CATED EQUIVALENT LENGTH SIMPSON CO L STRAP® IS PERMISSIBLE USE "LO 9" SPECIFIED STRAP WITH 8 3").

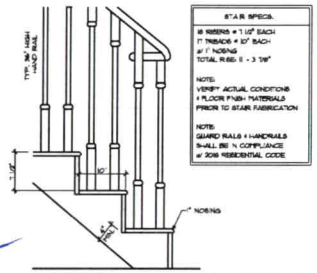
■ POINT LOAD

STAIR SPECS.

16 RISERS @ 7 1/2" EACH
17 TREADS @ 10" EACH
1" NOSING
TOTAL RISE: 11' - 3 7/8"

NOTE:
VERIFY ACTUAL CONDITIONS & FLOOR FINISH MATERIALS PRIOR TO STAIR FABRICATION

NOTE:
GUARD RAILS & HANDRAILS SHALL BE IN COMPLIANCE W/ 2018 RESIDENTIAL CODE



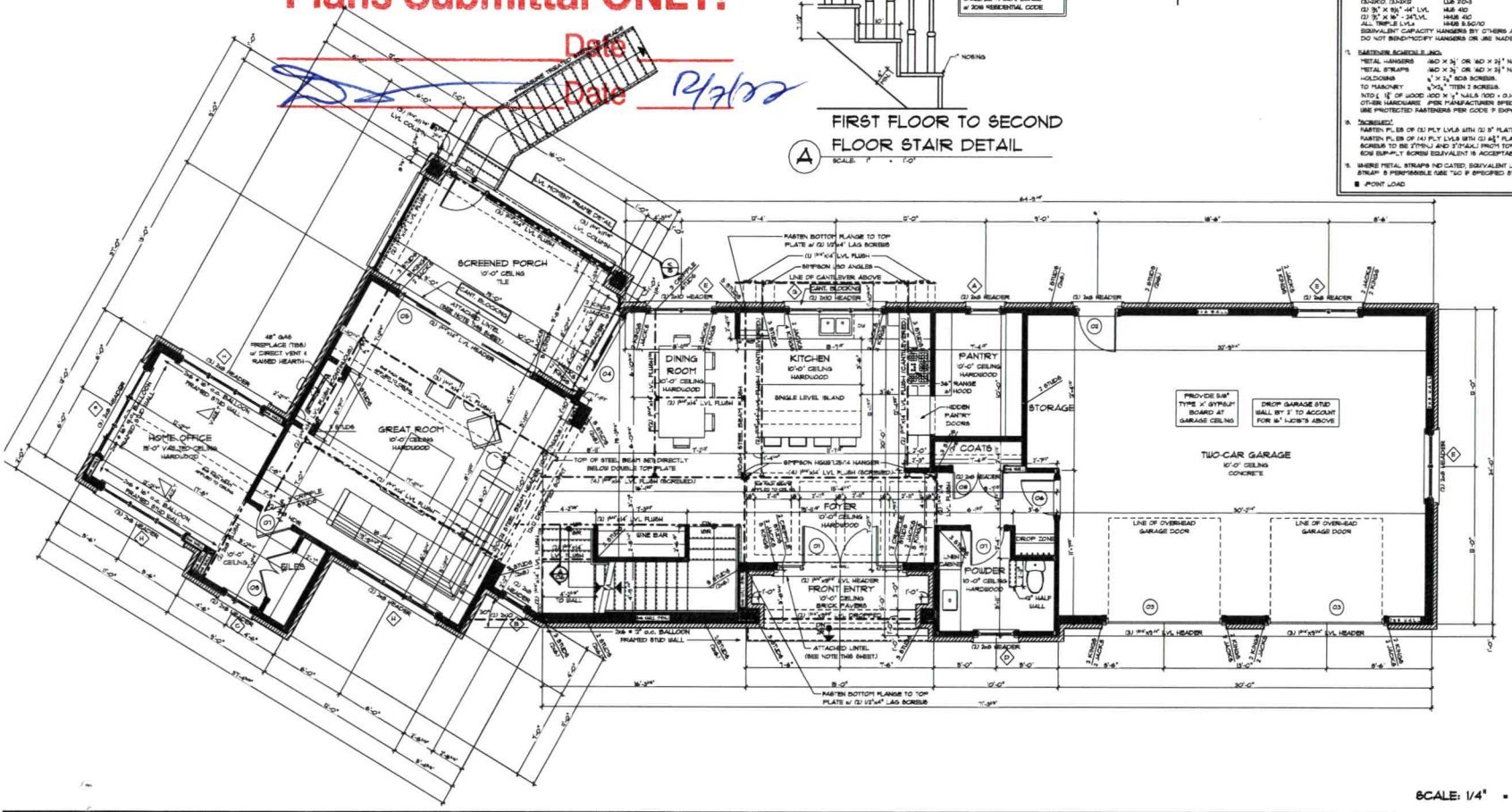
FIRST FLOOR TO SECOND FLOOR STAIR DETAIL

A SCALE: 1" = 1'-0"

Acknowledgement Of Plans Submittal ONLY!

Date

Date 12/1/22



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

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PROJECT NO: 2022-118
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SHEET TITLE
FIRST FLOOR PLAN

06

SHEET 06 OF 18

SQUARE FOOTAGE
ALL FOOTAGE CALCULATED TO STUD

1. FIRST FLOOR HEATED	1,482
2. SECOND FLOOR HEATED	1,376
TOTAL HEATED	2,868
COVERED ENTRY	68
COVERED PATIO (LOWER LEVEL)	168
FUTURE EXERCISE ROOM (LOWER LEVEL)	473
LAKE STORAGE (LOWER LEVEL)	182
MECHANICAL ROOM (LOWER LEVEL)	268
SCREENED PORCH	188
TWO-CAR GARAGE	752
TOTAL UNDER ROOF	4,981

ATTIC STORAGE	345

FIRST FLOOR WINDOW SCHEDULE

ID	QTY	SIZE W	SIZE HT	NOTES
A	1	3'-8"	4'-0"	SINGLE FIXED GLASS WINDOW UNIT
B	1	2'-0"	6'-0"	SINGLE FIXED GLASS WINDOW UNIT
C	1	3'-8"	6'-0"	SINGLE FIXED GLASS WINDOW UNIT
D	1	3'-0"	4'-0"	SINGLE CASEMENT WINDOW UNIT
E	3	5'-0"	6'-0"	TWIN CASEMENT WINDOW UNIT
F	1	7'-8"	3'-0"	TRIPLE FIXED GLASS WINDOW UNIT
G	1	7'-8"	4'-0"	TRIPLE CASEMENT WINDOW UNIT
H	3	7'-8"	6'-0"	TRIPLE CASEMENT WINDOW UNIT

* VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

FIRST FLOOR DOOR SCHEDULE

ID	QTY	DOOR W	DOOR HT	DOOR GLZ	NOTES
01	1	6'-0"	7'-0"	TEMP.	TWIN 36" EXTERIOR TWO PANEL FRONT ENTRY DOOR w/ GLASS PANEL w/ 34" WIDE SIDELIGHTS EACH SIDE - TEMPERED
02	1	3'-0"	8'-0"	TEMP.	8 HIGH EXTERIOR TWO PANEL DOOR w/ GLASS PANEL - TEMPERED
03	2	9'-0"	8'-0"		FOUR PANEL OVERHEAD GARAGE DOOR
04	1	6'-0"	8'-0"	TEMP.	TWIN EXTERIOR 36" SLIDING GLASS DOOR -TEMPERED
05	1	12'-0"	8'-0"	TEMP.	QUAD. 36" SLIDING GLASS DOOR w/ TWO ACTIVE
06	1	2'-8"	8'-0"		CENTER PANELS -TEMPERED SINGLE INTERIOR INSULATED TWO PANEL DOOR w/ 30min. FIRE RATING w/ WEATHER STRIPPING & THRESHOLD
07	2	2'-8"	8'-0"		SINGLE INTERIOR TWO PANEL DOOR
08	2	4'-0"	8'-0"		TWIN INTERIOR TWO PANEL DOOR

* VERIFY ROUGH OPENING REQUIREMENTS WITH DOOR MANUFACTURER

NOTE: EXTERIOR DIMENSIONS REFER TO OUTSIDE OF SHEATHING TO ALLOW FOR CONTINUOUS 1" AIR SPACE FOR BRICK.

LINTELS SUPPORTING MASONRY VENEER:
SEE TABLE R703.8.3.1 FOR SIZE OF STEEL LINTEL FOR A GIVEN SPAN (UP TO 20'). FOR SPANS GREATER THAN 20' (OR L-SHAPE SHOWN ON PLANS BY "LINTEL NOTE") FASTEN L4 X 4 X 5/16 X 1/4" STEEL ANGLE TO WOOD HEADER WITH 1/2" DIA. X 4" LAG SCREWS @ 16" o.c. EXTEND ALL ANGLES 6" PAST OPENING TO BEAR ON MASONRY VENEER 4" ENDS. SUPPORT ALL BRICK CLOSES PER DETAIL ON PLANS OR R703.8.3 AND FIGURE 703.8.3.1

BRACED WALL LINE NOTE:
THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING DIAGONAL WALL BOARD SHEATHING FOR EXISTING PORTION OF STRUCTURE. NEW PORTIONS OF THIS STRUCTURE HAVE BEEN ANALYZED FOR CONTINUOUSLY SHEATHED 7/16" OSB WALL SHEATHING USING 8d NAILS AT 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES.

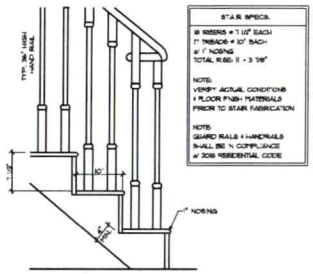
WHERE BRACED WALLS DO NOT MEET THE PRESCRIPTIVE REQUIREMENTS OF SECTION R602.10 OF THE CODE, IT HAS BEEN ANALYZED BY ENGINEERING ANALYSIS INCORPORATING ENGINEERED LATERAL BRACING ELEMENTS WHERE NEEDED TO MEET THE INTENT OF THE CODE. SEE PLANS FOR ALL NOTES AND DETAILS.

CANT. BLOCKING — BLOCK OVER WALL BETWEEN CANTILEVERED FLOOR JOISTS WITH FULL HEIGHT RIM BOARD BLOCKING. SECURE FLOOR SHEATHING TO BLOCKING WITH 8D NAILS AT 4" o.c. AND BLOCKING TO TOP PLATE WITH 8D TOENAILS AT 4" o.c.

STAIR SPECS:
18 RISERS @ 7 1/2" EACH
11" TREADS @ 10" EACH
w/ 1" NOSING
TOTAL RISE: 11 - 3 7/8"

NOTE: VERIFY ACTUAL CONDITIONS & FLOOR FINISH MATERIALS PRIOR TO STAIR FABRICATION

NOTE: GUARD RAILS & HANDRAILS SHALL BE IN COMPLIANCE W/ 2018 RESIDENTIAL CODE



FIRST FLOOR TO SECOND FLOOR STAIR DETAIL
A SCALE: 1" = 1'-0"

FRAMING NOTES:
1. JOISTS ARE DESIGNED TO BE CONTINUOUS IN SOME AREAS. CONTRACTOR TO STOP 1 START JOISTS WHERE SHOWN ON PLAN TO ALLOW FOR CONTINUOUS ACTION. CONTRACTOR TO CONTACT ENGINEER OF RECORD FOR APPROVAL IF I-JOISTS DIFFER FROM THOSE SPECIFIED ON PLANS.
2. ALL FRAMING MEMBERS TO BE SPF#2 OR SYP#2 UNO.
3. ALL HARDWARE BY SIMPSON STRONG-TIE COMPANY OR EQUAL.
4. SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS.
5. CONTRACTOR RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING.
6. ALL LOAD BEARING HEADERS TO BE (2)2x8 UNO.
7. BEAMS PARALLEL TO FLOOR JOISTS SHALL ALIGN UNDER WALLS ABOVE.
8. DOUBLE JOISTS OR CRIPPLE WALLS TO BE INSTALLED BETWEEN STACKING LOAD BEARING WALLS TO TRANSFER LOADING.
9. DOUBLE JOISTS CAN BE SEPARATED UP TO 3/8" TO ALLOW FOR PASSAGE OF PLUMBING PIPES AND ELECTRICAL WIRES.
10. RIMBOARDS 4 BANDS PARALLEL TO FLOOR JOISTS SHALL BE DOUBLED.
11. ALL POINT LOADS FROM ROOF BRACING, JACK STUDS, 4 BEAM STUDS MUST BE SUPPORTED WITH EQUIVALENT # OF SOLID BLOCKS AND/OR STUDS DOWN TO THE FOUNDATION. RIMBOARD AND JOIST BLOCKING IS NOT PERMISSIBLE
12. HEADER SHALL BE AGGER BEAMS OR SUBFLOOR A MINIMUM OF 18" FROM JOIST SPLICES AT ALL BEAMS, GIRDERS, AND WALLS.
13. WALL FRAMING UNO:
WALLS UP TO 10'-0" TALL SHALL BE MINIMUM 2X4 @ 16" O.C.
WALLS BETWEEN 10'-2" & 13'-0" TALL TO BE MINIMUM 2X6 @ 16" O.C.
14. ATTIC BEARING END SUPPORT UNO:
2X LEDGER = # OF BEAM PLIES / FOR HEADERS
LVL, PSL, GLULAM = 3
STEEL BEAM = 5
15. NUMBER OF KING STUDS PLACED ON OPENING WIDTH UNO:

2X4 WALL		2X6 WALL	
WIDTH (3'-6"	= 1 K NS	WIDTH (5'-0"	= 1 KING
3'-6" TO 6'-0"	= 2 KINGS	5'-1" TO 10'-0"	= 2 KINGS
6'-1" TO 8'-0"	= 3 KINGS	OVER 10'-1"	= SEE PLAN
8'-1" TO 10'-"	= 4 KINGS		
OVER 10'-"	= SEE PLAN		

16. METAL HANGERS SCHEDULE UNO:

(2) 2x8	LUS 28-2
(2) 2x10, (2) 2x12	LUS 210-3
(3)4x10, (3)4x12	LUS 210-3
(2) 3½" X 9¼" -14" LVL	HUS 410
(2) 3½" X 16" - 24"LVL	HHUS 410
ALL TRIPLE LVLs	HHUS & SDS10

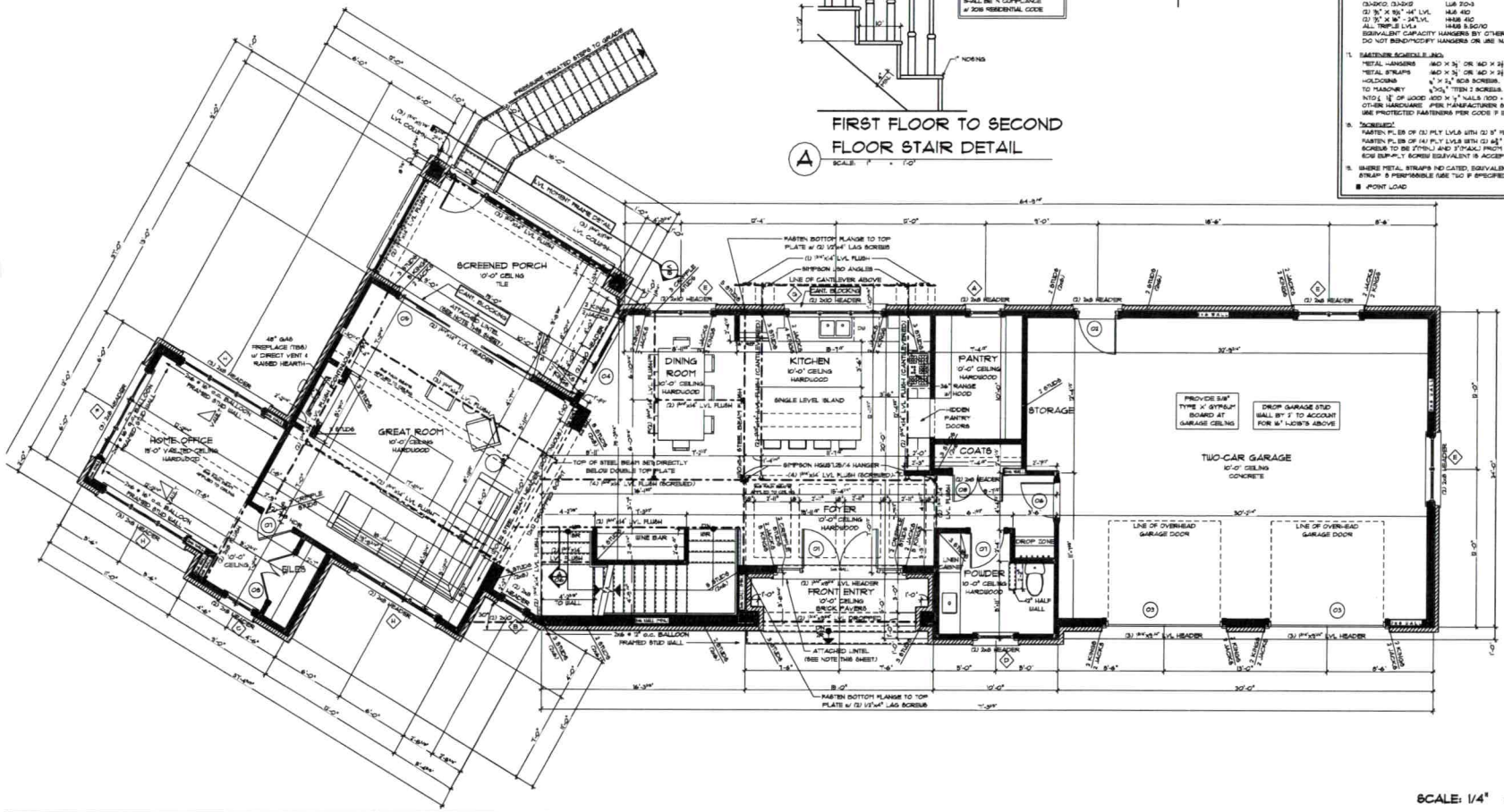
EQUIVALENT CAPACITY HANGERS BY OTHERS ARE ACCEPTABLE. DO NOT BEND/MODIFY HANGERS OR USE INADEQUATE FASTENERS.

17. FASTENER SCHEDULE UNO:
METAL HANGERS 16D X 3½" OR 16D X 3¼" NAILS (.162 DIA. X 3.5" L)
METAL STRAPS 16D X 3½" OR 16D X 3¼" NAILS
HOLDOWNS ⅝" X 5½" SDS SCREWS
TO MASONRY ⅜"DIA." ITEM 2 SCREWS
NTD 1 ½" OF GOOD 16D X 3¼" NAILS (.120 X 3.48" L)
OTHER HARDWARE: PER MANUFACTURERS SPECIFICATIONS UNO.
USE PROTECTED FASTENERS PER CODE IF EXPOSED TO WEATHERING

18. "ACHIEVED"
FASTEN PLIES OF (3) PLY LVLs WITH (2) 3" PLATLOK SCREWS @ 16" O.C.
FASTEN PLIES OF (4) PLY LVLs WITH (2) 4½" PLATLOK SCREWS @ 16" O.C.
SCREWS TO BE 7"(MIN.) AND 7"(MAX.) FROM TOP OR BOTTOM OF BEAM.
SDS SUPPLY SCREWS EQUIVALENT IS ACCEPTABLE.

19. WHERE METAL STRAPS NO GATED, EQUIVALENT LENGTH CSMPB COIL STRAP IS PERFORMABLE (USE TWO IF SPECIFIED STRAP WIDTH IS 3").

■ POINT LOAD



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

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CERTIFICATION NO. 26,762

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NOTE: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES

MEMBER
A I A
B D

PROJECT NO: 2022-118
DATE: 6/9/202
REVISIONS:

DRAWN BY: T.LEONAR

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SHEET TITLE
FIRST FLOOR PLAN

06

SHEET 06 OF 18

SQUARE FOOTAGE	
ALL FOOTAGE CALCULATED TO STUD	
1. FIRST FLOOR HEATED	1,482
2. SECOND FLOOR HEATED	1,376
TOTAL HEATED	2,858
COVERED ENTRY	69
COVERED PATIO (LOWER LEVEL)	350
FUTURE EXERCISE ROOM (LOWER LEVEL)	473
LAKE STORAGE (LOWER LEVEL)	182
MECHANICAL ROOM (LOWER LEVEL)	268
SCREENED PORCH	358
TWO CAR GARAGE	792
TOTAL UNDER ROOF	4,581
ATTIC STORAGE	349

SECOND FLOOR WINDOW SCHEDULE				
ID	QTY	SIZE W	SIZE HT	NOTES
J	2	2'-6"	3'-6"	SINGLE CASEMENT WINDOW UNIT
K	1	4'-0"	5'-0"	TWIN FIXED GLASS WINDOW UNIT
L	1	4'-0"	3'-0"	TWIN FIXED GLASS WINDOW UNIT
M	2	5'-0"	4'-0"	TWIN CASEMENT WINDOW UNIT
N	1	1'-6"	4'-0"	TRIPLE CASEMENT WINDOW UNIT
P	1	1'-6"	5'-0"	TRIPLE CASEMENT WINDOW UNIT
Q	1	1'-6"	6'-0"	TRIPLE CASEMENT WINDOW UNIT w/ TR PLE 24" TALL TRANSOM ABOVE
R	1	9'-0"	5'-0"	TRIPLE FIXED GLASS WINDOW UNIT
S	1	9'-0"	5'-0"	TRIPLE CASEMENT WINDOW UNIT
T	1	9'-0"	6'-0"	TRIPLE CASEMENT WINDOW UNIT -TEMPERED

* VERIFY ROUGH OPENING REQUIREMENTS WITH WINDOW MANUFACTURER

SECOND FLOOR DOOR SCHEDULE					
ID	QTY	DOOR W	DOOR HT	DOOR GLZ	NOTES
10	1	3'-0"	6'-8"		CASED OPENING
11	2	2'-4"	6'-8"		SINGLE INTERIOR TWO PANEL DOOR
12	2	7'-6"	6'-8"		SINGLE INTERIOR BARN STYLE DOOR w/ OVERHEAD ROLLERS + HARDWARE
13	1	2'-0"	6'-8"		SINGLE INTERIOR INSULATED TWO PANEL DOOR w/ WEATHER STRIPPING + THRESHOLD
13	1	2'-8"	6'-8"		SINGLE INTERIOR INSULATED TWO PANEL DOOR w/ WEATHER STRIPPING + THRESHOLD
14	4	2'-8"	6'-8"		SINGLE INTERIOR TWO PANEL DOOR
15	2	3'-0"	6'-8"		TWIN INTERIOR TWO PANEL DOOR

* VERIFY ROUGH OPENING REQUIREMENTS W TH DOOR MANUFACTURER

LINTELS SUPPORTING MASONRY VENEER:

SEE TABLE R703.8.3.1 FOR SIZE OF STEEL LINTEL FOR A GIVEN SPAN (UP TO 12') FOR SPANS GREATER THAN 12' OR WHERE SHOWN ON PLANS BY "LINTEL NOTE" FASTEN L4"x4"x5/16" STEEL ANGLE TO WOOD HEADER WITH 1/2" DIA. x4" LAG SCREWS @ 16"o.c. EXTEND ALL ANGLES 8" PAST OPENING TO BEAR ON MASONRY VENEER AT ENDS. SUPPORT ALL BRICK CURVES PER DETAIL ON PLANS OR R703.8.3 AND FIGURE 703.8.2.

BRACED WALL LINE NOTE:

THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING DIAGONAL WALL BOARD SHEATHING FOR EXISTING PORTION OF STRUCTURE. NSE POINT ONS OF THIS STRUCTURE HAVE BEEN ANALYZED FOR CONTINUOUSLY SHEATHED 7/16" OSB WALL SHEATHING USING 8d NAILS AT 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES.

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. SEE PLANS FOR ALL NOTES AND DETAILS.

CHIMNEY CHASE FRAMING (TYP.)

1. BALLOON FRAME 2x6 @ 16"o.c. OR 2x4 @ 12"o.c. STUDS FROM TOP OF WALL/BEAM THROUGH ROOF TO TOP OF CHIMNEY.

2. INSTALL A VERTICAL SIMPSON LSTA18 OR 18" LONG CS20 (MIN.) COIL STRAP ON THE EXTERIOR SIDE OF EACH STUD WITH 8d COMMON NAILS. WHERE APPROPRIATE LTS18 TWIST STRAPS CAN BE USED.) DO NOT BEND STRAP.

3. SHEATHE ENTIRE HEIGHT OF CHIMNEY STUDS BELOW ROOF WITH 7/16" OSB OR BLOCK WITH HORIZONTAL 2x4 BETWEEN STUDS AT 48"o.c. VERTICALLY (MAX.)

CEILING JOISTS DESIGNATION

10 — 2x10 @ 16"o.c. CEILING JOISTS

8 — 2x8 @ 16"o.c. CEILING JOISTS

FLOOR PLAN CONSTRUCTION NOTES
(SEE SHEET 3 FOR ADDITIONAL NOTES)

1. "T.T.R." INDICATES "TIE (CEILING JOIST) TO RAFTER W TH FOUR 3"XO.131" NAILS)
2. ALL LOAD- BEARING HEADERS SHALL BE (2)2X8 SPF#2 UNLESS NOTED OTHERWISE 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 PLANS FOR DIMENSIONS TO WALLS.
4. ALL GABLE UP TO 10'-0" FT. TALL SHALL BE MIN. 2X4 @16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. WALLS BETWEEN 10'-0" AND 13'-0" TALL SHALL BE A MIN. OF 2x6 @16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS ARE SPECIFICALLY 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) 2x6	LUS 28-2
(3) 2x10/(3) 2x12	LUS 210-3
(3) 2x10, (3) 2x12	LUS 210-3
(2) 1¾" X 9¼" LVL	HUS 410
(3) 1¾" X 11¼"-14" LVL	HUS 410
(2) 1¾" X 16"-24" LVL	HHUS 410
ALL TRIPLE LVLs	HHUS 9.50/10

6. NOTE: FILL ALL OF THE HOLES IN BEAM HANGERS WITH 16d x 3½" COMMON NAILS (3½", 0.162") OR 16d x2½" (2½", 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE QUICK DRIVE HANGER NAILS UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY ½" OR LESS OF WOOD IS PROVIDED TO NAIL INTO.
7. "LVL" AND GLULAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)2x4 OR (2)2x6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE.

SLAB — 4" CONCRETE SLAB (3000 psi) w/ 6x6 10/10 WELDED WIRE MESH OVER 6 MIL POLY VAPOR BARRIER ON 4" GRAVEL. PROVIDE TERMITE TREATMENT BELOW ALL CONCRETE SLABS ON GRADE OR ON THE WOOD FRAMING (TYP.)

8. ⊠ INDICATES POINT LOADS. 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 COUPLN ABOVE BETWEEN SUBFLOOR AND FOUNDATION SILL OR LOWER PLATE. RIM BOARDS AND JOIST BLOCKING SHALL NOT BE CONSIDERED AN ACCEPTABLE MEANS OF SUPPORT UNDER CONCENTRATE POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE "S.B." IS INDICATED ON THE PLAN.

NUMBER OF KING STUDS BASED ON OPENING WIDTH:

2x4 WALL

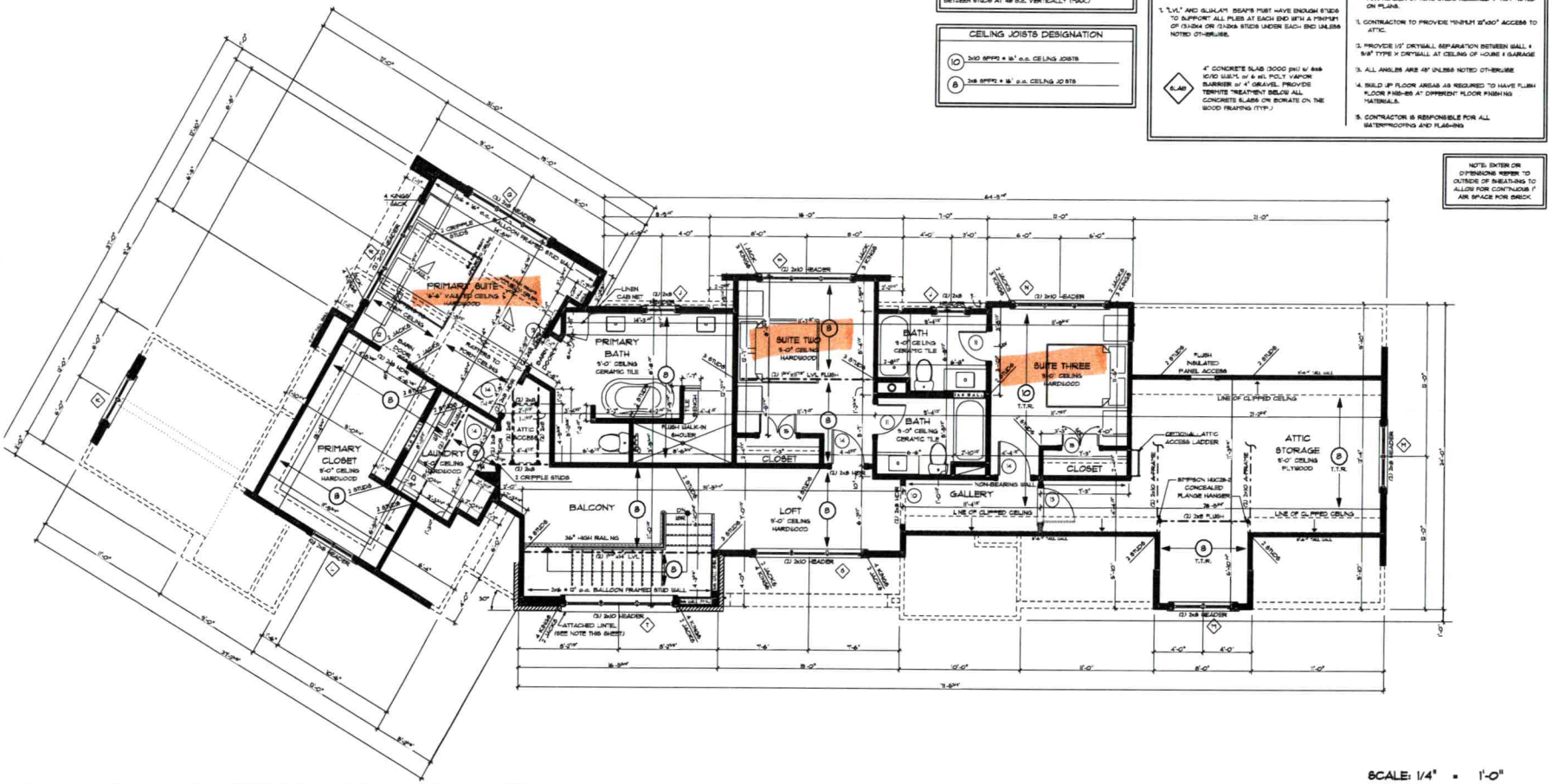
LESS THAN (3'-6"	+ 1 KING
3'-6" TO 5'-0"	+ 2 KINGS
5'-1" TO 8'-0"	+ 3 KINGS
8'-1" TO 10'-0"	+ 4 KINGS
OVER 10'-0"	+ SEE PLAN

2x6 WALL

LESS THAN (5'-0"	+ 1 KING
5'-1" TO 10'-0"	+ 2 KINGS
GREAT THAN) 10'-1"	+ SEE PLAN

9. "SCREWED". FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 3" LONG FLATLOK OR SIMPSON SDS SCREWS @ 12" o.c. AND FOUR PLY LVLs WITH TWO ROWS OF 4½" FLATLOK SCREWS @ 12" 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. FASTEN FIRST KING STUD TO LUMBER HEADER WITH 4" LEAST THREE 6d (3½"XO.162") IN EACH PLY. EACH KING STUD PLY SHALL BE NAILED TO THE OTHER WITH TWO ROWS OF 3½"XO.16" NAILS AT 8"o.c. SEE NAILS TAB FOR NUMBER OF KING STUDS REQUIRED IF NOT NOTED ON PLANS.
11. CONTRACTOR TO PROVIDE MINIMUM 22"x30" ACCESS TO ATTIC.
12. PROVIDE 1/2" DRYWALL SEPARATION BETWEEN WALL + 5/8" TYPE X DRYWALL AT CEILING OF HOUSE + GARAGE
13. ALL ANGLES ARE 45° UNLESS NOTED OTHERWISE
14. BUILD UP FLOOR AREAS AS REQUIRED TO HAVE FLUSH FLOOR FINISHES AT DIFFERENT FLOOR FINISHING MATERIALS.
15. CONTRACTOR IS RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING

NOTE: ENTER OR DIMENSIONS REFER TO OUTSIDE OF SHEATHING TO ALLOW FOR CONTINUOUS 1" AIR SPACE FOR BRICK



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

THE EDWARDS RESIDENCE
348 ROBINSON ROAD
MOORESVILLE, NORTH CAROLINA

NOTE: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES

K&H RESIDENTIAL DESIGNS
K&HRESIDENTIALDESIGNS.COM
704-728-0506

N·C·B·D·C
NATIONAL COUNCIL OF BUILDING DESIGNERS
Kevin D. Helvidge
Certificate No. 26,798

ENGINEER:
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 31995
CHAD TYLER
IDE INTELLIGENT DESIGN ENGINEERING
1944 N. PEGRAM PLACE, SUITE 2204
CHARLOTTE, NC 28262
CORPORATE LICENSE # C-3116
PHONE: 704.905.7600

HomeBuilders Association of Charlotte
BBB ACCREDITED BUSINESS
CERTIFIED GREEN PROFESSIONAL
MEMBER AIBD
AMERICAN INSTITUTE OF BUILDING DESIGN

PROJECT NO: 2022-118
DATE: 6/9/202
REVISIONS:

DRAWN BY: T.LEONARD

COPYRIGHT
K&H RESIDENTIAL DESIGNS AUTHORIZES THIS PLAN TO BE BUILT ONE TIME BY THE ORIGINAL PURCHASER -- MODIFICATIONS OR REUSE OF THIS PLAN IS PROHIBITED

SHEET TITLE
SECOND FLOOR PLAN

08

SHEET 08 OF 18

Rec'd 12/23/21
PD. $350.00

AP 324173.
Exp. Review

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

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.

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 an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)** Please contact Gary McNeely (704-310-1832) prior to evalution

Applicant Name: Tim Whelan / T. Whelan Homes Inc **Address:** P.O. Box 4419 Mooresville NC 28117 **Zip:**
Applicant Email: timwhelan@whelanhomes.net **Phone:** 704-400-8932 **Alt. Phone:**
Owner Name: David Hannon **Address:** 35 Waynbe Court Newport NY **Zip:** 11768
Owner Email: timwhelan@whelanhomes.net **Phone:** 704-400-8932 **Alt. Phone:**

Property Information:

Street Address: 349 Robinson Road Mooresville NC 28117
Subdivision Name: CL+T **Section/Phase:** 11 **Lot Number:** 198
Driving Directions: Hwy 150 to Robinson Road Mooresville NC 28117 . Then take Robinson Road Approximately 1 mile. Property on left

Site Development Information: *(check or complete ALL that apply*

CHECK FOUNDATION TYPE

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:
Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure:
(X) Crawl Space Foundation
(X) Concrete Slab Foundation
( ) Basement with Plumbing
(X) Basement without Plumbing

Non-Residential Site Development: Type of Business:
Square Footage of Building: see site plan Max. Number of Employees: Max. Number of Seats/Beds/Other:

Water Supply: ( ) Replacement Well – Reason:
( ) Multi-connection Well Number of Houses: Number of Persons:
(X) New Well (X) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: 1982
( ) No Preference ( ) Alternative ( ) Conventional (X) Innovative (X) Modified Conventional ( ) Other:

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. industrial) 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.

Signature: Tim Whelan / T. Whelan Homes Inc. 12/22/2021
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

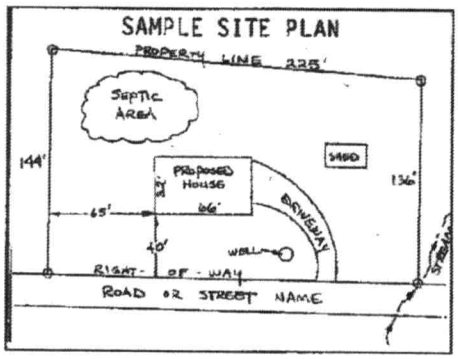
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WELL PERMIT!!!

Place an (X) beside each item as you complete the site plan:

- [X] **Property Line measurements are clearly identified**
- [X] **All proposed structures are indicated**
- [X] **Front and side setbacks from property line**
- [X] **Preferred driveway location**
- [X] **Preferred well location**
- [X] **Preferred septic system location**
- [X] **North arrow, or other sufficient indicator of direction**



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property N/A
Location of easements and rights of ways on your property N/A
Location of any designated wetlands on the property N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See Attached Plan

Signature: Tim Whelan / T. Whelan Homes Inc. 12/22/2021

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

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, David Hannon, am the legal owner(s) of the property located at 349 Robinson Road Mooresville NC, identified as PIN (Parcel Identification Number) 4638042347.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas & Associates, 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.

X David Hannon	12/22/2021	X Tim Whelan	12/22/2021
Signature of Owner(s)	Date	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

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

***** Initial all lines below to indicate you have submitted each form and completed every site requirement *****

✓ **Complete all Environmental Health forms:**
- ✓ Application
- ✓ Site Plan with dimensions of proposed structure, addition, pool etc.
- ✓ Documentation to Authorize Owner Agent (if the property owner is not the applicant)
- ✓ Copy of Zoning Permit when applicable
- ✓ Sign this sheet after you have completed all items

✓ **Lot must be cleared of heavy undergrowth.** In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with **50 feet of visibility** in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

✓ **Clearly mark all property corners by locating existing iron or concrete markers.** Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only).
'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged.**

✓ **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted.** The proposed structure, etc. **must be staked** out on the property as per the site plan.

✓ If an **Authorization to Construct (AC) is desired**, submit a recorded copy of the plat for newly created or subdivided lot(s) and a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application.
Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are non-refundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.
- All utilities shall be marked before pits are dug. Call NC 811 for this service.
- **The applicant/agent is responsible for securing these services**
- **Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.**
- **The EH specialist will contact you when your application is ready to be processed for pit scheduling.**
- **Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.**

By signing below I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature Tim Whelan / T. Whelan Homes Inc. **Date** 12/22/2021

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625