IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 226955

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

PIN # 4638-35-8215

APPLICANT/OWNER: LAWRENCE MAZZONE | APPLICANT ADDRESS: 150 DAIRY FARM RD. MOORESVILLE

SITE ADDRESS: 354 NORMANDY RD. MOORESVILLE | PHONE: 704-746-5928 | ALT. PHONE

SITE DIRECTIONS: PERTH, TR NORMANDY, ON R | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: CL&T | SECTION: 11 | LOT # 95 | LOT AREA: | DESIGN FLOW: 480 | L.T.A.R.: .3 (.15R)

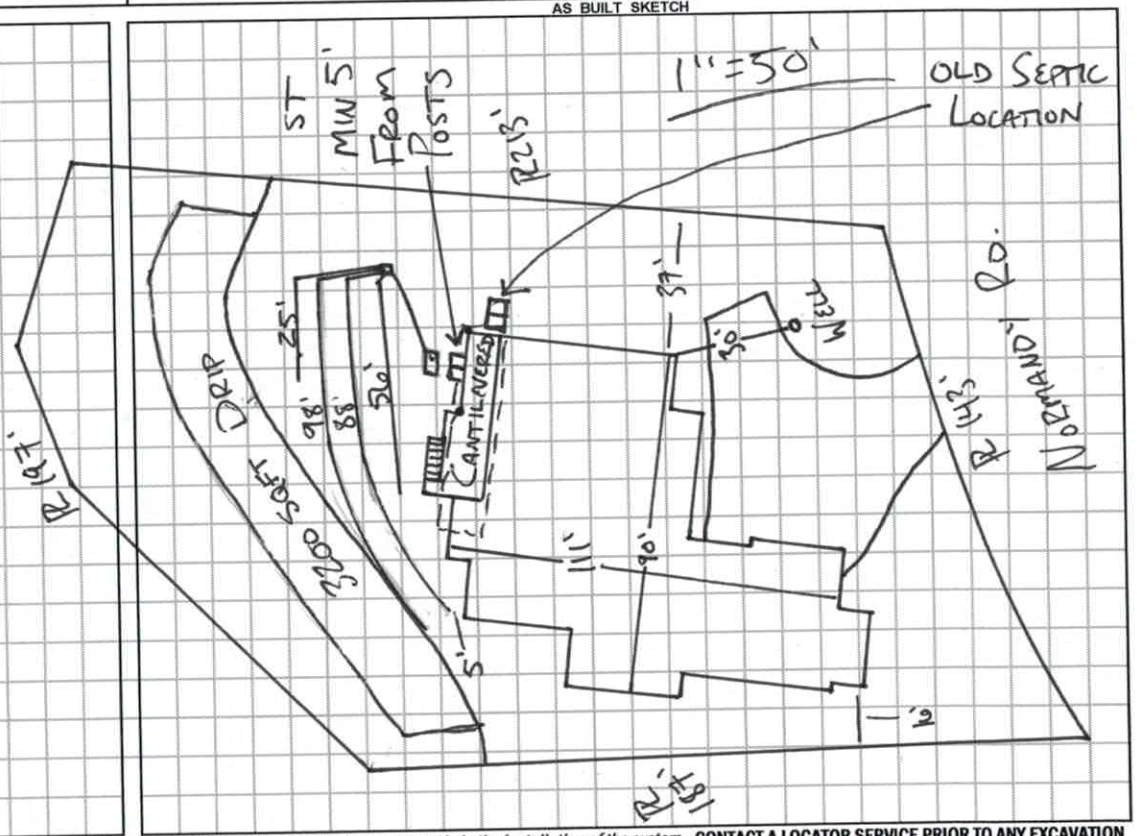
Septic Tank	Ex 1000 (gal)	STB	Date	☐ New System ☐ Repair ☐ Expansion	System Type: I II III (IV) V VI	☒ Residence	No. Bedrooms	4	Water Supply
Pump Tank	Ex. 1000 (gal)	PT	Date	System Description:	LP- PPRPS	☐ Business	No. Persons	8	☒ Private
Pump Make		Model	Serial #	Repair System Description:	TS-II DRIP	☐ Other	No. Employees		☐ Public
# Nitrification Fields		# Lines	Linear Ft	Maintenance Agreement Required:	☒ YES ☐ NO	☐ Slab	☐ Crawl Space		☐ Community
Trench Width		Trench Bottom Depth(Low side)		Gravel Depth	☐ GRAVITY ☐ PRESSURE	☒ Basement w/plumbing			☐ Basement w/o plumbing

EXISTING

Comments / Conditions: OLD SEPTIC SYSTEM IS UNDER HOUSE

INITIAL SITE SKETCH

AS BUILT SKETCH



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**

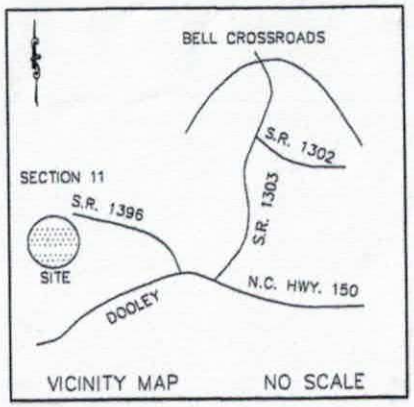
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☐ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Lawrence F. Mazzone Date: 7/10/17 Installed by:

IMPROVEMENT PERMIT by: Date: OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: Existing System Inspected by: RA Date: 7-7-17

S PLAN IS NOT FOR RECORDING.
IBLE FOR THE ACURACY OF THE BASE SURVEY.



PIER

LAKE NORMAN

N10°10'00"E 37.93'

N48°59'56"E 50.64'

PB. 14 PG. 38

N14°48'00"W 109.45'

760 CONTOUR LINE PER ACTUAL FIELD SURVEY

761 CONTOUR LINE PER ACTUAL FIELD SURVEY

#4 REBAR

65.3'

50' BUFFER FROM THE 760 CONTOUR LINE

LOT 95
0.74 AC.

CONCRETE WALK

SPLIT RAIL FENCE

1/4" PIPE

S53°50'20"E

LOT 94
HARRY C. GRIMMER
1226/332

THIS AREA OPEN TO BELOW
CANTILEVERED DECK AND CLEAR SPANNED FLOOR SYSTEM.

35' SETBACK FROM CORNER

187.04'

LOT 96
RUSSELL E. JONES
2354/1787

15'-1 5/16"

45.3'

15' SETBACK

37.1'

212.80'

0' 25' 50' 100'

SCALE IN FEET

15'-0 3/16"

15'-8 1/8"

N61°26'00"W (BASE BEARING)

35' SETBACK

CONCRETE DRIVE

#6 REBAR

(TIE ONLY)
S21°24'31"W
171.31'

R/W

R=544.92'
A=42.79'

NORMANDY ROAD
PUBLIC R/W

SHEET NO.: 10 OF 10
PROJECT NO.: 2017-23
DATE: 3/24/2017

8	8/18/17	REVISED DECK ON SITE PLAN
5	8/14/17	REVISED DECK FTG & DECK STAIRS
4	4/29/17	FINAL PLAN ISSUED
3	4/24/17	PRELIMINARY PLAN ISSUED
2	4/10/17	REVISED PLANS PER OWNER
1	4/6/17	REVISED GARAGE

REVISIONS

PROJECT MANAGER: JEFFREY SWARTZ
DESIGN BY: JJS
CHECKED BY: JJS
DRAWN BY: JJS
CHECKED BY: JJS

CLIENT/APPLICANT
GARY & ERINN BRANSTON

PLANS PREPARED BY:
JEFFREY J. SWARTZ, PE, LEED AP, BAC
NC LICENSED PE #033411
SWARTZ DESIGN, PLLC
STATESVILLE, NC 28681
PHONE: (828) 632-0499
FAX: (813) 830-0911
jjs@swartz.net

SEAL 033411

SHEET TITLE
SITE SKETCH PLAN

PROPOSED ALTERATION AND ADDITION
TO
354 NORMANDY ROAD
MOORESVILLE, NORTH CAROLINA

ROLLANS SOIL & ENVIRONMENTAL SERVICES

PO Box 832 Mooresville, NC 28115
Phone: (704) 278-0989 Fax: (704) 278-0989

Ashley Rollans, NC Licensed Soil Scientist
Mobile: (704) 746-5046
E-mail: rollans.ashley@yahoo.com

Name and Location of System
354 Normandy Road.
Mooresville, NC 28117
CL&T Lot# 95

Date of Inspection 6/1/2017-6/7/2017
County IREDELL
System Classification IV

(S=Satisfactory M=Marginal U=Unsatisfactory N=Not Evaluated NA=Not Applicable)

SEPTIC AND PUMP TANKS

S Risers accessible
S Signs of infiltration
S Structurally sound
S Access structurally sound
S Landscape position
S Filter cleaned

PUMP STATION

S Pump present and operating
S High water alarm operating properly
S Floats, pipes, valves and disconnects in good condition/functioning properly
S Control panel in good condition
S Float tree and straps in good condition/present
S Effluent free and clear of solids

DRAINFIELD

Is effluent surfacing? No

S Surface water diverted
S Line cover and vegetation maintained properly
S Protected from traffic
S Distribution devices functioning properly
S Repair area reserved/maintained if required
S Turn-ups/Clean-outs/Valves accessible and protected
S Laterals free of excess solids

Laterals Flushed? Yes if type IV
Designed Number of Bedrooms: 4
Location of Septic Alarm: On Control Panel Mounted to Brick Wall

354 NORMANDY ROAD

PRESSURE HEADS
(Line 1 refers to upper line)

	Design Head	*Adjusted Head*	*Length*
Line 1	2'	2'	56'
Line 2	2'	2'	88'
Line 3	2'	2'	98'
Line 4	2'	2'	25'
Line 5	—	—	
Line 6	—	—	
Line 7	—	—	
Line 8	—	—	
Line 9	—	—	
Line 10	—	—	

GPM on 1st Drawdown	32.81
Observed gallons per minute	32.81
Percent Efficiency	100%

Comments:
*Note- Septic System installed in March 2017. Trees removed and turnups/covers damaged during tree removal. Broken turnup on Line 1, Lines 2 & 3 had turnup boxes/covers buried. All lines were flagged, Turnup boxes restored to grade, Line 1 turnup repaired and system dosed for 20 minutes to check for other broken pipes. None found.
Irrigation line damaged at distal end of line 1 (RED PIN FLAG) needs to be repaired.
Recommendations:
House planned to be demolished and new house constructed. We highly recommend that the system area (flagged) be protected by installing a hazard fence between the construction area and the system to protect from future damage.
System was functioning properly on 6/7/17.

For Any Questions Please Contact Ashley Rollans.

Compliant X Non-Compliant —

Ashley Rollans
Certified Operator: License # 996136

_____

RECEIVED MAY 8 - 2017

IREDELL COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION #226935

(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)

Paid $500.00

1. APPLICATION FOR: ✓ Improvement Permit ___ Authorization To Construct ✓ Existing System Inspection

Existing System

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
   ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable

3. Applicant Information:

		(contact phone #)	
Lawrence Mazzone (Applicant Name)	150 Dairy Farm Rd Mooresville 28115 (Mailing Address)	704 746 5928 (Home Phone #)	704-746-5928 (Alternate Phone #)
Gary & Erma Bankston (Owner Name)	354 Normandy Rd Mooresville (Mailing Address)	704 728 6517 (Home Phone #)	___ (Alternate Phone #)

4. Property Information:

354 Normandy Rd. Mooresville (Street Address)	CL:T S11 (Subdivision Name)	95 (Section/Phase and Lot Number)

Driving Directions: Rt 150 to Perth Rd (North) to Normandy Rd (Left) Go 3/4 mile and house is on the right.

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

(✓) 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 4
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms ___

( ) 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 ( ) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed 2016 (Year)

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other ___

8. Please Answer The Following To The Best of Your Ability: ( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
   ( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
   ( ) Yes (✓) 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: Lawrence F. Mazzone — 5/7/17
   Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

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, Gary + Errin Bankston, am the legal owner(s) of the property located at 354 Normandy Rd. Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4638358215.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) LAWRENCE MAZZONE, MAZZONE CARPENTRY & REMODELING INC., 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.

Gary Bankston Errin Bankston 5-8-17
Signature of Owner(s) Date

Lawrence T. Mazzone 5/8/17
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

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*:

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 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...

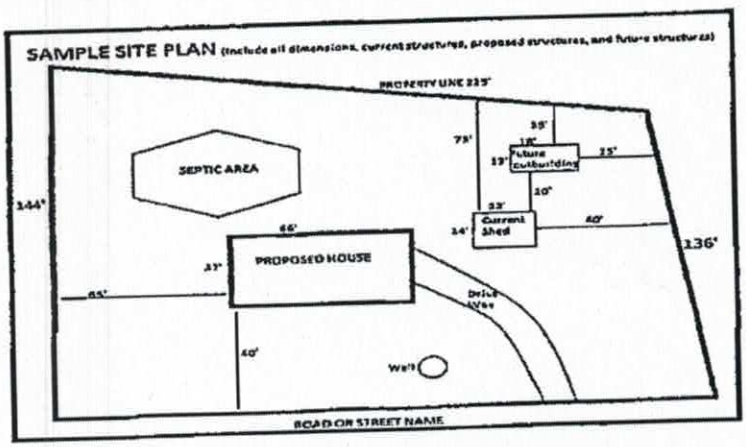
SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

- X Front and side setbacks from property line...
- X Area you prefer your septic system to be placed...
- X Preferred driveway location and configuration, preferred well location...
- X North arrow, or other sufficient indicator of direction...

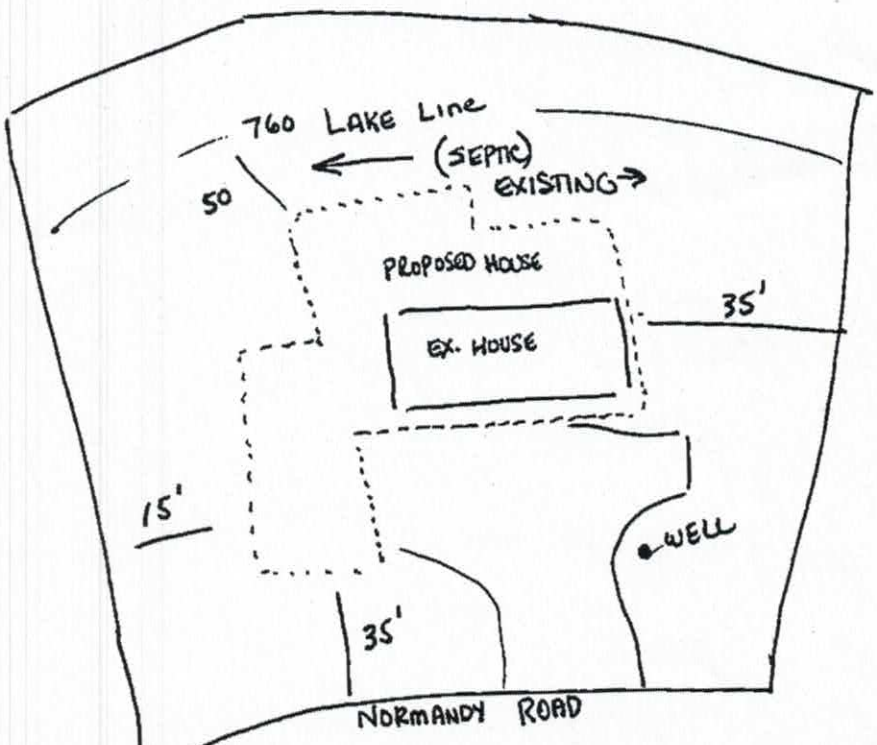
Circle N/A on the following if appropriate:

- ____ 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)

(Contact phone #)
Larry Mazzone
704-746-5928

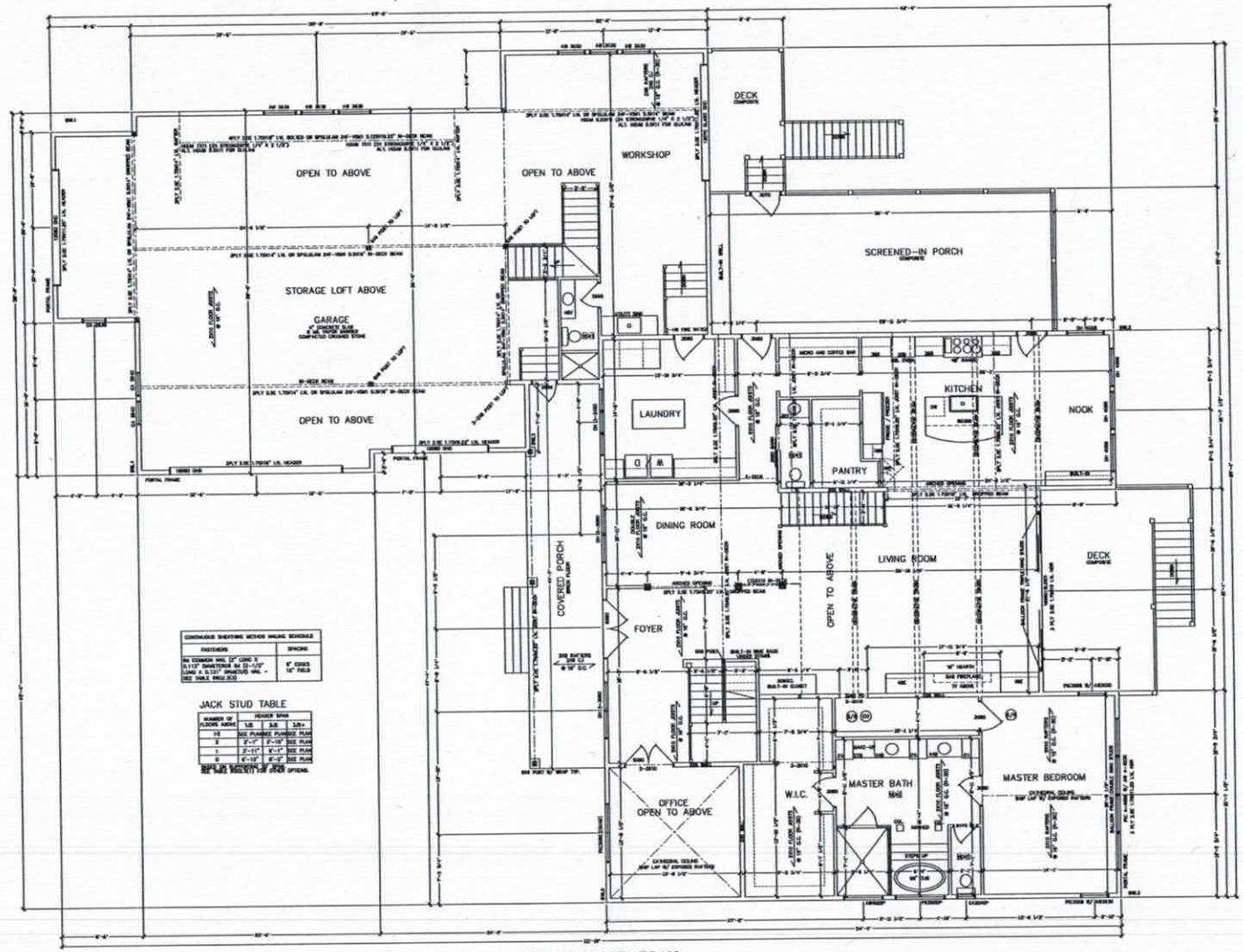


USE THIS SPACE TO DRAW YOUR SITE PLAN



Signature: Lawrence T. Mazzone
REQUIRED property owner or owner's legal representative signature.

5/7/17
DATE



FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

JACK STUD TABLE

NUMBER OF FLOORS ABOVE	HEADER SPAN		
	1/0	3/0	5/0+
>3	SEE PLANS	SEE PLANS	SEE PLAN
3	2'-1"	2'-10"	SEE PLAN
2	2'-11"	4'-1"	SEE PLAN
1	4'-10"	6'-2"	SEE PLAN
0	6'-10"	8'-2"	SEE PLAN

BRACED WALL PANEL LENGTH (CONTINUOUS SHEATHING METHOD)

I.D.	DISTANCE BETWEEN BRACED WALL LINES (FT)	BRACED LENGTH (FT)	EXPOSURE FACTOR	ROOF FACTOR	TOTAL REQUIRED BRACED LENGTH (FT)	TOTAL BRACED LENGTH PROVIDED (FT)
BWL1	38 (ROOF ABOVE)	8.0	1.0	1.3	7.97	10
BWL2	80 (ROOF ABOVE)	8.0	1.0	1.3	11.7	40
BWL3	80 (ROOF ABOVE)	8.0	1.0	1.3	11.7	40
BWL4	40.5 (ROOF ABOVE)	8.0	1.0	1.3	7.9	11
BWL5	40.5 (ROOF ABOVE)	8.0	1.0	1.3	7.8	11
BWL6	54 (ROOF ABOVE)	8.1	1.0	1.2	10.93	13

*NOTE: SUM OF ALL PANELS ON BRACED WALL LINE. 3" MINIMUM PANEL WIDTH

TYPICAL DOOR SCHEDULE

ID NUMBER	ROUGH OPENING	CLEAR OPENING	FIRE RATED
2068	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2268	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2468	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2668	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2868	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
3068	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
4068	4'-1" - 10.25"	4'-0" - 8"	NO
4268	4'-1" - 10.25"	4'-0" - 8"	NO
4068	4'-7 1/2" - 10.25"	2'-6" - 8"	NO
5068	5'-7 1/2" - 10.25"	2'-6" - 8"	NO
5068	5'-7 1/2" - 10.25"	2'-6" - 8"	NO
12068	12'-1" - 10.25"	4'-10" - 8"	NO
18068	18'-1" - 10.25"	4'-10" - 8"	NO

NOTE: ALL HEADERS IN EXTERIOR AND INTERIOR LOAD BEARING 2X4 WALLS SHALL BE (2) 2X10 W/ 1/2" PLYWOOD.

TYPICAL DOOR SCHEDULE

ID NUMBER	ROUGH OPENING	CLEAR OPENING	FIRE RATED
2068	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2268	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2468	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2668	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
2868	2'-7 1/2" - 10.25"	2'-6" - 8"	NO
3068	2'-7 1/2" - 10.25"	3'-0" - 8"	YES/NO
4068	4'-1" - 10.25"	4'-0" - 8"	NO
4268	4'-1" - 10.25"	4'-0" - 8"	NO
5068	5'-7 1/2" - 10.25"	3'-0" - 8"	NO
5068	5'-7 1/2" - 10.25"	3'-0" - 8"	NO
12068	12'-1" - 10.25"	3'-0" - 8"	NO
18068	18'-1" - 10.25"	4'-10" - 8"	NO

NOTE: ALL HEADERS IN EXTERIOR AND INTERIOR LOAD BEARING 2X4 WALLS SHALL BE (2) 2X10 W/ 1/2" PLYWOOD.

SQUARE FOOTAGE
BASEMENT HEATED: 1,322 SF
BASEMENT UNHEATED: 531 SF
GARAGE: 576 SF
FIRST FLOOR HEATED: 3,085 SF
SECOND FLOOR HEATED: 1,624 SF
GARAGE: 2,248 SF
GARAGE STORAGE LOFT: 561 SF
COVERED PORCH TOTAL: 848 SF
DECK TOTAL: 531
TOTAL HEATED: 5,181 SF

Acknowledgement Of Plans Submittal ONLY!
Date 7-7-17
Date 7/10/17

FINAL DRAWING – FOR CONSTRUCTION

PROPOSED ALTERATION AND ADDITION TO 354 NORMANDY ROAD MOORESVILLE, NORTH CAROLINA

SHEET NO.: 4 OF 10
PROJECT NO.: 2017-23
DATE: 3/24/2017

4	9/21/17 REVISED DECK, FYE + DECK STAIRS
3	7/7/17 FINAL PLAN ISSUED
2	3/29/17 PRELIMINARY PLAN ISSUED
1	3/15/17 REVISED PLAN PER OWNER
	3/24/17 REVISED GARAGE

PROJECT MANAGER: JEFFREY SWARTZ
DESIGN BY: JJS
DRAWN BY: JJS
CHECKED BY: JJS

CLIENT/APPLICANT
GARY & ERIKA BRANSTON

PLANS PREPARED BY:
JEFFREY J. SWARTZ, PE LEED AP, BNC
NC LICENSE #039411
383 SW 1ST AVE
SUITE 100
HENDERSONVILLE, NC 28792
PHONE: (828) 606-8011
FAX: (833) 604-8011
jswartz@bncnc.net

SEAL 039411 JEFFREY J. SWARTZ

SHEET TITLE
FLOOR PLANS

THIS PLAN SHOULD BE CONSIDERED A COPY UNLESS IT CONTAINS AN EMBOSSED SEAL. ORIGINAL PLAN ON FILE AT THE OFFICE OF JEFFREY J. SWARTZ, PE, LEED AP. PLAN COPYRIGHT 2017 BY JEFFREY J. SWARTZ, PE, LEED AP

CONTINUOUS SHEATHING METHOD WALBRC SCHEDULE	
FASTENERS	SPACING
7d COMMON (0.13" DIAM) X 2-1/2" LONG OR 8d (0.131" DIAMETER) BOX - SEE TABLE R602.3(3)	6" EDGES 12" FIELD

JACK STUD TABLE

NUMBER OF FLOORS ABOVE	HEADER SPAN		
	1-20	2-20	3-20
1/2	(1) PLANKED PLANKED PLAN		
2	2'-1"	2'-10"	(1) PLAN
1	3'-11"	4'-1"	(1) PLAN
0	4'-10"	6'-3"	(1) PLAN

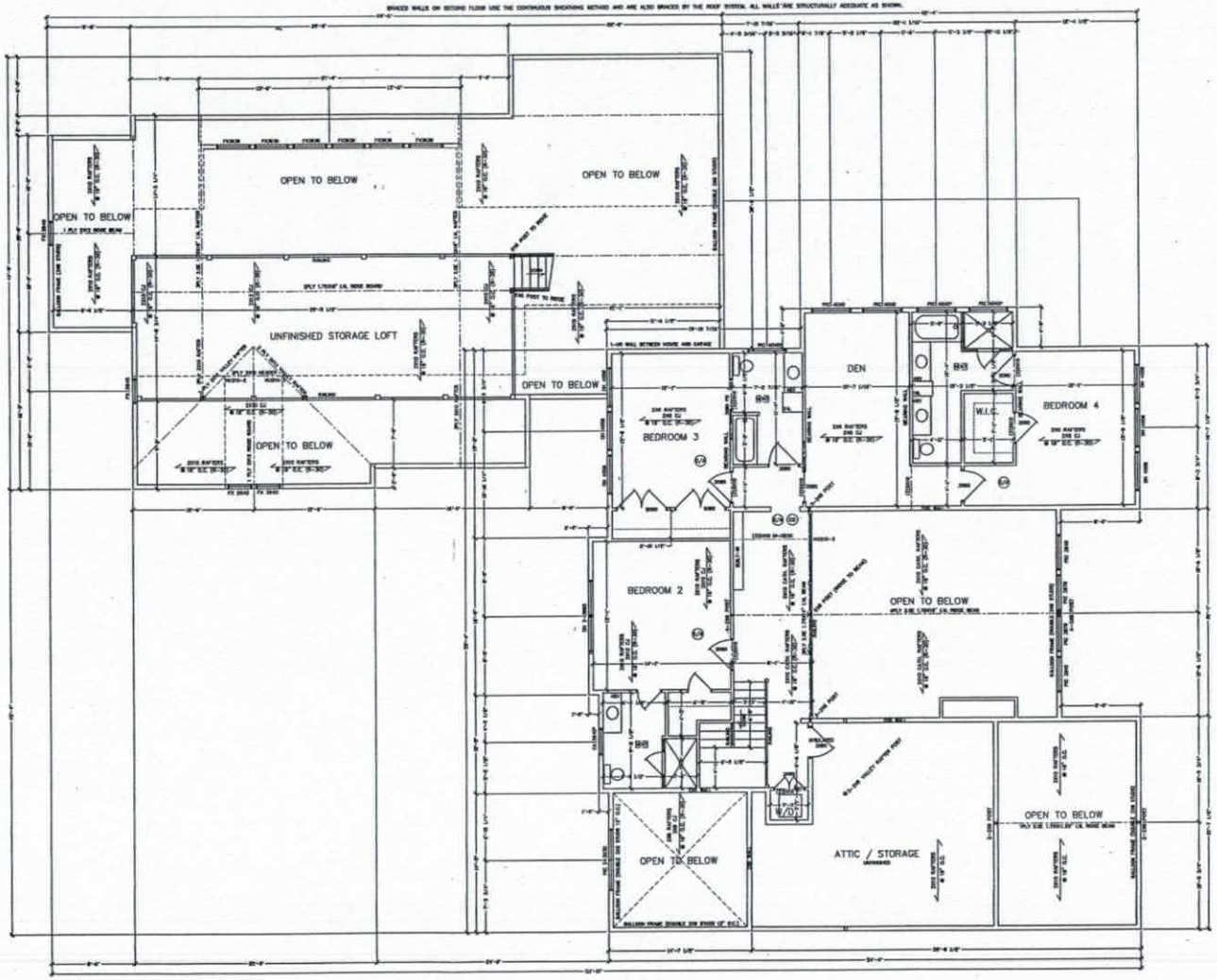
WINDOW SCHEDULE					
ID NUMBER	QTY	ROUGH OPENING	COLOR	SCREEN	EGRESS
DH 4048	3	4'-0" X 4'-9"	BLK	YES	YES
DH 3-2430	3	6'-0" X 2'-6"	BLK	YES	YES
DH 3-3060	3	6'-0" X 6'-0"	BLK	YES	YES
FIC 3060 (EGRESS)	1	6'-0" X 12'-0"	BLK	NO	NO
FIC 3-3636 ABOVE GUAD	1	10'-0" X 3'-0"	BLK	NO	NO
AW 4020*	1	4'-0" X 2'-6"	BLK	YES	NO
FIC 3050*	1	5'-0" X 5'-0"	BLK	NO	NO
CA 2040*	1	2'-0" X 4'-0"	BLK	YES	NO
FIC 3050 W/ AW 3030	2	2'-0" X 8'-6"	BLK	NO	NO
FIC 4-4050 W/ AW 4-4030	1	12'-0" X 8'-6"	BLK	NO	NO
DH 4028	10	4'-0" X 2'-4"	BLK	YES	YES
AW 3030	3	3'-0" X 3'-0"	BLK	YES	NO
AW 3628	3	3'-0" X 2'-6"	BLK	YES	NO
CA 3628	1	3'-0" X 2'-6"	BLK	YES	YES
CA 2848	3	2'-6" X 4'-0"	BLK	YES	YES
DH 3-3660	3	7'-0" X 6'-0"	BLK	YES	YES
CA 3840*	1	3'-0" X 4'-0"	BLK	YES	YES
FIC 3848	3	3'-0" X 4'-0"	BLK	NO	NO
FIC 3672	3	3'-0" X 7'-0"	BLK	NO	NO
FIC 4048	2	4'-0" X 4'-0"	BLK	NO	NO
FIC 4060*	3	4'-0" X 6'-0"	BLK	NO	NO
FX 2636	4	2'-6" X 3'-0"	BLK	NO	NO
FX 2848	4	2'-6" X 4'-0"	BLK	NO	NO

NOTE: ALL WINDOW AND DOOR SIZES ARE TYPICAL. CONTRACTOR SHALL VERIFY ALL ROUGH OPENING DIMENSIONS AND SIZES FOR DOORS AND WINDOWS PRIOR TO INSTALLATION. AT LEAST ONE WINDOW IN EACH BEDROOM MUST HAVE A CLEAR OPENING OF 5.7 SF TO MEET EGRESS REQUIREMENTS. * DENOTES TEMPERED GLASS REQUIRED.

Acknowledgement of Plans Submittal ONLY!

Lawrence F. Pizzo Date 5/11/17

Date 7-7-17



SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"

PRELIMINARY – DO NOT USE FOR CONSTRUCTION

SHEET NO.: 5 OF 9
PROJECT NO.: 2017-23
DATE: 3/24/2017

3	4/24/17	PRELIMINARY PLAN ISSUED
2	4/10/17	REVISED PLAN PER OWNER
1	4/4/17	REVISED GARAGE
		REVISIONS

PROJECT MANAGER: JEFFREY SWARTZ
DESIGN BY: AJS
DRAWN BY: AJS
CHECKED BY: AJS

CLIENT/APPLICANT
GARY & EMMA BANKSTON

PLANS PREPARED BY:
JEFFREY J. SWARTZ, PE, LEED AP, BAE
NC LICENSE NO. 034411
583 BAY LANE
WILMINGTON, NC 28411
PHONE: (910) 604-0011
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SHEET TITLE
FLOOR PLANS

PROPOSED ALTERATION AND ADDITION
TO
354 NORMANDY ROAD
MOORESVILLE, NORTH CAROLINA

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STRUCTURAL SYSTEMS

1. SEISMIC LOADS – SEE "LOADS"

2. SOILS

A. IF SOIL TESTING IS REQUIRED, SOIL TESTING SHALL BE IN ACCORDANCE WITH ACCEPTED SOIL ENGINEERING METHODOLOGIES.
B. BUILDING FOUNDATIONS HAVE BEEN DESIGNED BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF. ADDITIONAL ENGINEERING IS REQUIRED IF SOIL BEARING CAPACITY IS LESS THAN 2000 PSF.
C. MAXIMUM WIDTH OF UNBALANCED FILL ALONG FOUNDATION WALL SHALL BE IN ACCORDANCE WITH IRC R404.

3. FOOTINGS

A. ALL PLAIN AND REINFORCED CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ACI 318.
B. CONCRETE USED FOR FOOTINGS, BREAKOUT SLABS, AND INTERIOR SLABS ON GRADE SHALL BE CLASS "NS" MIN., TYPE I, ASTM C150, NORMAL WEIGHT CONCRETE WITH A MIN. 2,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS. CONCRETE FOR EXTERIOR CONCRETE WORK, INCLUDING PORCHES AND GARAGE SLABS SHALL BE NOMINAL 4" 2,500 PSI AIR ENTRAINED CONCRETE, TYPE 1A ASTM C150.
C. ALL FOOTINGS TO BE 12" MIN. BELOW GRADE TO BOTTOM OF FOOTING.
D. IN REINFORCED CONCRETE FOOTINGS THE THICKNESS ABOVE THE BOTTOM REINFORCEMENT SHALL NOT BE LESS THAN 6". THE CLEAR DISTANCE FROM THE BOTTOM OF THE CONCRETE IS CAST AGAINST THE EARTH SHALL NOT BE LESS THAN 3".
E. FOOTINGS MUST NOT BE POURED THROUGH WATER.
F. CONCRETE FOOTINGS SHALL BE PROTECTED FROM FREEZING FOR A PERIOD OF NOT LESS THAN (5) DAYS.
G. FOOTING PROJECTIONS BEYOND THE FOUNDATION WALL SHALL BE AT LEAST 2".
H. A MINIMUM OF 2 #4 REBARS SUPPORTED BY CHAIRS SHALL BE INSTALLED IN FOOTER. MINIMUM FOOTER SIZE SHALL BE 8" X 16" (OR AS SHOWN ON THE PLAN).
I. FOOTING REINFORCEMENT, WHERE SIZED, SHALL MEET ASTM A615, GRADE 60 X MIN. AND SHALL BE 40 PSI MINIMUM.

4. FOUNDATION WALLS

A. THE MIN. THICKNESS OF THE FOUNDATION WALL SHALL NOT BE LESS THAN THE WALL SUPPORTED. ALL WALLS WILL BE MIN. 8" THICK.
B. 1/2" DIA. ANCHOR BOLTS SHALL BE EMBEDDED 8" AT 4'-0" O.C. MIN. OR OTHER APPROVED 1/2" DIA. GALVANIZED ANCHOR STRAPS @ 4'-0" O.C. EVERY ANCHOR SHALL BE LOCATED @ 1'-0" MAX. FROM CORNERS.
C. ALL WOOD FRAMING MEMBERS WHICH REST ON EXTERIOR FOUNDATION WALLS SHALL BE 8" ABOVE FINISHED GRADE AND SHALL BE PRESSURE TREATED.

5. CONCRETE SLABS

A. ALL CONCRETE SLABS SHALL HAVE EXPANSION JOINTS FOR CRACK CONTROL.
B. GARAGE SLABS SHALL BE REINFORCED 4" CONCRETE.
C. MEDIALL 6 MIL POLYETHYLENE VAPOR RETARDER UNDER ALL CONCRETE SLABS (UNLESS NOT REQUIRED BY CODE).

6. DAMP PROOFING

A. ALL BASEMENT WALLS SHALL BE DAMP PROOFED.
B. PRIOR TO THE APPLICATION OF WATER PROOFING MATERIALS ALL VOIDS AND ACCESSES RESULTING FROM THE REMOVAL OF FORM TIES SHALL BE SEALED WITH A WATERPROOF MATERIAL.
C. FOUNDATION DRAINS SHALL BE INSTALLED FOR ALL ENCLOSED BASEMENTS BELOW GRADE. DRAIN DISCHARGE TO CONFORM WITH APPROVED SITE PLAN.

7. BACKFILL AND GRADING

A. THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE BACKFILLED WITH EARTH FREE OF ORGANIC MATERIAL. BACKFILLING SHALL BE DONE AND SHALL REMAIN FREE OF THE WALLS IN SUCH A MANNER THAT DOES NOT DAMAGE THE FOUNDATION OR DAMP PROOFING MATERIAL.
B. THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 6" VERTICALLY FOR A MIN. DISTANCE OF 10'.

FOUNDATION NOTES

FOOTER SIZES ARE AS NOTED ON THE PLAN

CONCRETE PIER FOOTINGS ARE AS NOTED ON THE PLAN

INTERIOR PIERS SHALL BE 8"x8"x16" CMU OR EQUAL UNLESS OTHERWISE NOTED. SEE CMU PIER NOTES.

EXTERIOR POSTS SHALL BE PRESSURE TREATED OR EQUAL.

SPRAY-ON BITUMINOUS WATERPROOFING AND FOUNDATION DRAIN WILL BE APPLIED TO FOUNDATION PER SECTION 406.1 OF THE NC RESIDENTIAL CODE.

A MINIMUM ACCESS OPENING MEASURING 18" X 24" SHALL BE PROVIDED TO THE CRAWL SPACE.

CRAWL SPACE SHALL BE SEALED AND INSULATED ACCORDING TO SECTION R408 OF THE NC BUILDING CODE. FOUNDATION VENTS SHALL NOT BE USED. AIR-SEALING CAULK OR SEALANTS SHALL BE APPLIED TO ALL EXTERIOR PENETRATIONS FOR PLUMBING, MECHANICAL AND ELECTRICAL LINES.

A MINIMUM 6-MIL POLYETHYLENE GROUND VAPOR RETARDER SHALL BE APPLIED TO HORIZONTALLY CURED ALL SOIL UNDER ALL CONCRETE SLABS.

GARAGE SLAB SHALL BE CONCRETE, POURED AT 4 INCHES THICK.

FOUNDATION BOLTS SHALL BE INSTALLED PER SECTION R403.1.6. BOLTS SHALL BE AT LEAST ½" THICK AND EXTEND A MINIMUM OF 7 INCHES INTO MASONRY. BOLTS SHALL BE SPACED AT 6' ON CENTER OR LESS.

UNDER SLAB AREAS SHALL BE TRUSSED FOR TERMITES

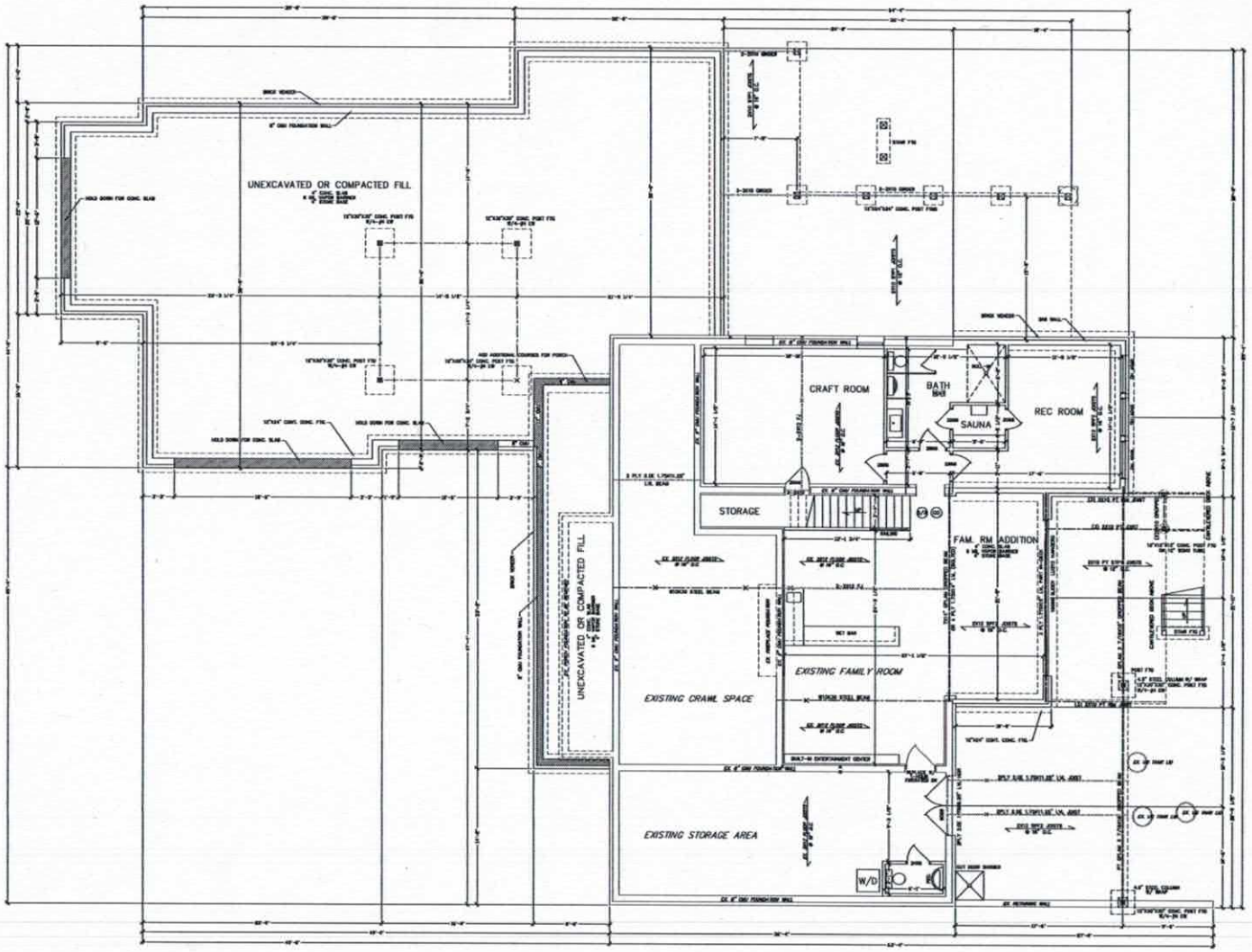
UNLESS OTHERWISE NOTED, ALL EXTERIOR WINDOW AND DOOR HEADERS SHALL BE 2-2"x12" (S1S2 SPF OR BETTER) AND ALL INTERIOR LOAD BEARING DOOR HEADERS SHALL BE 2-2"x10" S1S2 SPF OR BETTER.

ALL HEADERS AND BEAMS IN BEARING WALLS SHALL BE SUPPORTED AT EACH END IN ACCORDANCE WITH THE JACK STUD TABLE ON SHEET 2 OF 2 AND R502.5.1(1) OF THE CODE OR AS OTHERWISE NOTED ON THE PLAN.

FLOOR JOISTS SHALL BE SIZED AND INSTALLED AS SPECIFIED ON SHEETS F1 AND F2.

ALL INTERIOR FLOOR GIRDERS SHALL BE SIZED AND INSTALLED AS SPECIFIED ON SHEETS F1 AND F2.

PRESSURE TREATED SILL PLATE ATTACHES SHALL BE BOLTED TO FOUNDATION.



FOUNDATION / BASEMENT PLAN
SCALE: 3/16" = 1'-0"

Acknowledgement Of
Plans Submittal ONLY!
Date 7-7-17
Lawana F. Trezza Date 7/10/17

FINAL DRAWING – FOR CONSTRUCTION

SHEET NO.: 6 OF 10
PROJECT NO.: 2017-23
DATE: 3/24/2017

6	7/7/17 REVISED DECK PLN & SECT. STAIRS
5	6/26/17 FINAL PLANS SUBMITTED
4	5/24/17 PRELIMINARY PLAN ISSUED
3	4/25/17 REVISED PLAN PER OWNER
2	4/10/17 REVISED PLAN PER OWNER
1	4/3/17 REVISED GARAGE

PROJECT MANAGER: JEFFREY SWARTZ
DESIGNED BY: JJS
DRAWN BY: JJS
CHECKED BY: JJS

CLIENT/APPLICANT
GARY & ERIN SWANSTON

PLANS PREPARED BY:
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SEAL 023411 JEFFREY J. SWARTZ

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FOUNDATION PLAN

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IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
226935
Issue Date: 05/08/2017

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4638358215.000	354 NORMANDY ROAD, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: TAYLOR BLUCHER E+FRANCES TR	Applicant: MAZZONE CARPENTRY+REMO
Address: 144 MUIRFIELD DR WINSTON SALEM, NC 27104	Address: 150 DAIRY FARM RD MOORESVILLE, NC 28115
Phone:	Phone:

Use Requested	Zone Code
	R20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	101960	TOTAL FEES:	$ 77.25