ICHD–ENVIRONMENTAL HEALTH DIVISION

PJB

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

PERMIT # AP301243

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

PIN # 4740102086

APPLICANT/OWNER: Iron Ivey LLC

APPLICANT ADDRESS: 935 Bronx River Avenue Bronx, NY

SITE ADDRESS: 160 Brook Creek Dr. Troutman, NC 28166

PHONE: 704-360-2874 ALT. PHONE —

SITE DIRECTIONS: US 21 N → L on Flower House → L on Clontz Hill → L on Ridge Creek → R on Brook Creek → 1st on R

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Rocky Creek Cove

SECTION: — LOT # 68 LOT AREA: .83ac DESIGN FLOW: 360gpd L.T.A.R.: .3

Septic Tank	1000	(gal)	STB 760	Date 11-11-2019	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank		(gal)	PT	Date	System Description: 25% reduction				
Pump Make		Model		Serial #	Repair System Description: LP PPBPS				
# Nitrification Fields	1	# Lines	4	Linear Ft: 300'	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36"	Trench Bottom Depth(Low side)	27"/30" high side	Gravel Depth —		☑ GRAVITY	☐ PRESSURE		

☑ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☑ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☑ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Install 25% reduction with serial distribution.
Fill gully/low area during time of install.

INITIAL SITE SKETCH

See attached site plan by Rollans Soil & Environmental Services, PA

AS BUILT SKETCH

INSTALLED AS PERMITTED

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**

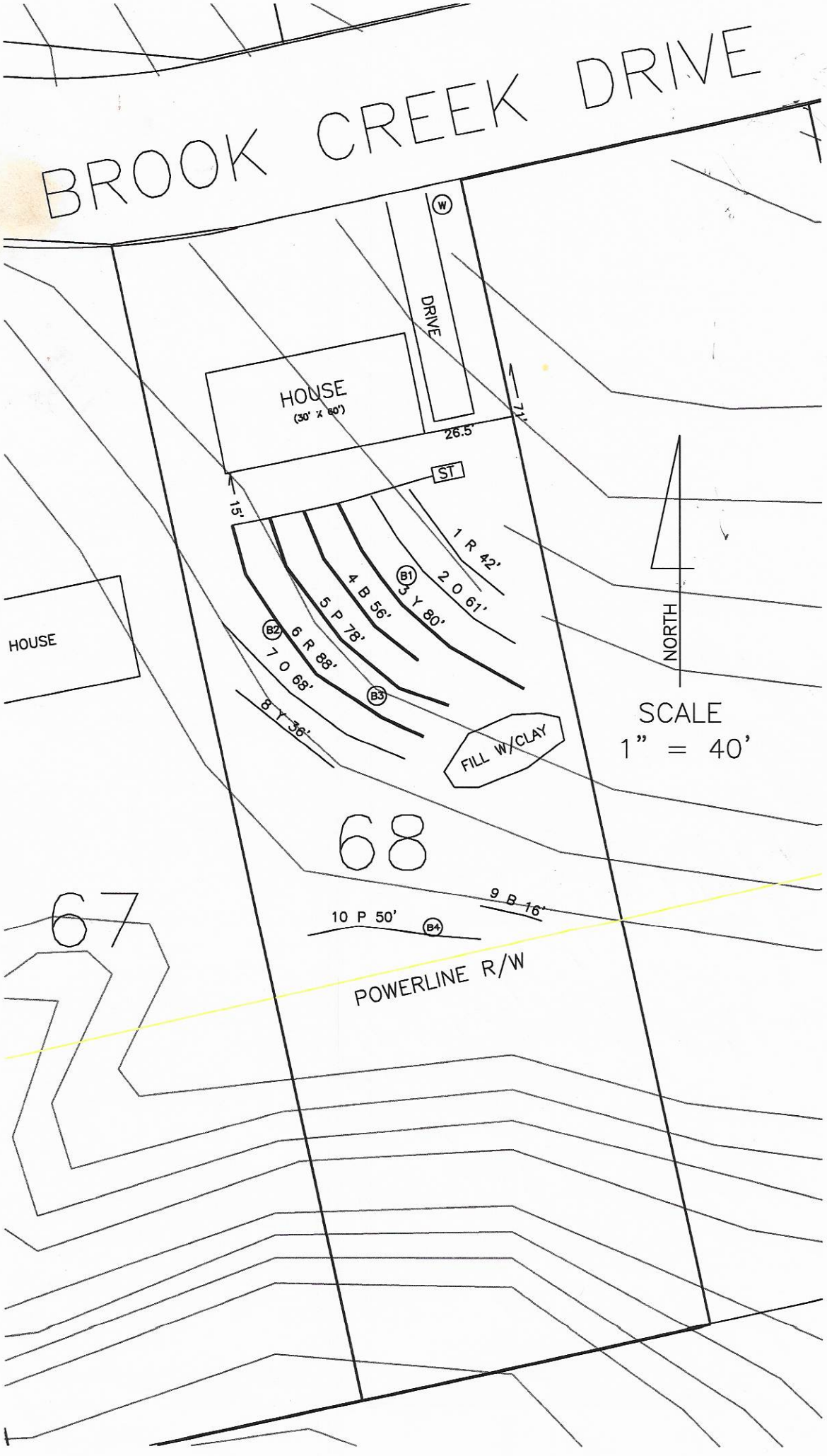
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 10/8/19 Installed by: [signature]

IMPROVEMENT PERMIT by: Kayla Watson Date: 10-3-19 OPERATION PERMIT by: Bryant White @ Date: 1-9-2020

AUTHORIZATION TO CONSTRUCT by: Kayla Watson Date: 10-7-19 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.



APPROVED OCT X 3 2019
KW

ROLLANS *Soil & Environmental Services, PA.*

P.O. Box 832 Mooresville, NC 28115 Phone: (704) 658-1723 Fax: (704) 278-0989

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

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence on Lot 68, 160 Brook Creek Dr. Troutman 28166, (PIN 4740102686), Iredell County, North Carolina.

Contents: **Page**

Information for the Installer---------- 1

Design Information
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Application---------- 11-12

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Agent Authorization Form---------- 14

September 27, 2019
Project #: 01-3196
Design By: Rollans Soil & Environmental Services, PA

INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a PPBPS with low pressure installation.

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Applicant:	Iron Ivey LLC
Address:	935 Bronx River Avenue Bronx, NY 10473
Phone:	704.360.2874
County:	Iredell
Location:	160 Brook Creek Drive Troutman, NC 28166
Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	360
System Flow:	N/A

Design Specifications

Drainfield Size:	300	
Loading Rate (gpd/ft.^{2}):	0.3	
Depth of Gravel in Trench:	N/A	
Gravel Size:	N/A	
Max.Trench Depth:	30 in.	Repair Trench Bottom 30 in.
Trench Width:	36 in.	
Septic Tank Size:	1000	

Estimated Supply Line Length:	30
Supply Line Diameter:	4 in. SCH 40 PVC
Supply Line Volume:	19.59
Dosing Volume:	N/A
Supply Manifold:	N/A
Supply Manifold Length:	N/A
Supply Manifold Volume:	N/A
Recommended Float Controls:	N/A
Recommended Control Panel:	N/A
Pressure Head:	N/A
Friction Head:	N/A
Elevation Head:	N/A
Total Dynamic Head:	N/A
Threaded Union:	N/A
Gate Valves:	N/A
Check Valves:	N/A
Anti-Siphon Hole:	N/A
Additional Comments:	Soil suitability was performed by Rollans Soil & Environmental Services

APPROVED OCT X 3 2019
KW

160 Brook Creek Drive

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	900
TOTAL LATERAL LENGTH:	300
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	300
SUPPLY LINE LENGTH:	30
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

APPROVED OCT X 3 2019
KW

Layout Specifications - ROCKY CREEK COVE LOT 68

Project #: 01-3196

LAYOUT FOR 3 BEDROOM HOME

9/27/2019

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	RED					42	42
2	ORANGE					61	61
3	***YELLOW***					***80***	***80***
4	***BLUE***					***56***	***56***
5	***PINK***					***78***	***76***
6	***RED***					***88***	***88***
7	ORANGE					68	68
8	YELLOW					36	36
9	BLUE					16	16
10	PINK					50	50
					Total	575	573

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***300***	***0.300***	***ACCEPT.***	***0.300***	***25% RED***	***GRAVITY***
Repair	273	0.300	MOD. CONV	0.300	PPBPS	Low-Pressure

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

APPROVED OCT X 3 2019
KW

CALCULATIONS

Location: Ridge Creek Drive, Troutman, NC 28166
Project Number: 01-3196

Lot No: 68 Rocky Creek Cove

No. of Bedrooms: 3

Design Flow: 360 $^{gal}/_{day}$

LTAR: 0.300 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO): NO

Supply Line Length: 30 ft.

Supply Line Volume: 19.59 gal.

Required Feet of Line: 300 ft.
Amount of Line from Layout: 300 ft.

Gallons per Minute: N/A $^{gal}/_{min}$

Required Septic Tank Capacity: 1000 gal.
Septic Tank Size: 1000 gal.

Panel Volume: N/A gal.
# of Panels: N/A
Dosing Volume: N/A gal.

Tank Draw Down: N/A

Pump Run Time

Elevation Head: N/A ft.
Pressure Head: N/A ft.
Friction Factor: N/A ft./100 ft. *(From the interpolater.)*
Friction Head: N/A ft.

Total Dynamic Head (+15%): N/A ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

APPROVED OCT X 3 2019
KW

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

Sheet 1 of 1
PROPERTY ID #: 4794102686
COUNTY: Iredell

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

OWNER: Iron Ivey LLC
ADDRESS: 935 Bronx River Av. Bronx, NY 10473
APPLICATION DATE 9/27/19
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360 gpd
DATE EVALUATED: 9/25/19
LOCATION OF SITE: 160 Brook Creek Dr, Troutman NC 28166 Lot 68
PROPERTY SIZE: .83 AC
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other
PROPERTY RECORDED: Yes
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	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
B 1	4/6/0	0-8	BSL Gr	Fr SS SP		48"			PS .3
		8-48	RC wfsbk/Mbk	Fr SS SP					
B 2	4/5%	0-6	BSL Gr	Fr SS SP		48"			PS .3
		6-30	RC wmsbk/Mbk	Fr SS SP					
		30-48	RBCL wfsbk	Fr SS SP	+Few SAP				
B 3	4/5%	0-3	BSL Gr	Fr SS SP		48"			PS .3
		3-10	RBCL wfsbk	Fr SS SP					
		10-48	RC wfsbk/Mbk	Fr SS SP					
B 4	4/4%	0-4	BSL Gr	Fr SS SP		48"			PS .3
		4-42	RC wmsbk/Mbk	Fr SS SP	+Few SAP Incl.				
		42-48	RBCL wmsbk	Fr SS SP	+Few SAP Incl.				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted - Gravity	PP BPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S Ashley Rollins
OTHER(S) PRESENT: Chad Wagner
APPROVED OCT X 3 2019 KW

COMMENTS:

Updated February 2014

Pit 3 0-10 WSBK SCL PS
10-32 ABK C .3
32-48 WABK CL

Pit 4 0-5 WSBK SCL PS
5-28 ABK C .3
28-53 WSBK CL

Please CALL FOR PITS

Name: Ashley Rollans

Number: [illegible] FOR:

RECEIVED OCT 1 - 2019

EDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM* Paid $350.00 AP-301243

(X) Septic Improvement Permit ( ) New Well Permit (X) Authorization to Construct ( ) Well Repair Permit ( ) Existing System Inspection ( ) Well Abandonment ( ) 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 (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Iron Ivey LLC **Address:** 935 Bronx River Avenue, Bronx NY 10473 **Phone:** 7043602874

Owner Name: Iron Ivey LLC **Address:** 935 Bronx River Avenue, Bronx NY 10473 **Phone:** 7043602874

Property Information:

Street Address: 160 Brook [redacted] Creek Drive Troutman NC 28166

Subdivision Name: Rocky Creek Cove **Section/Phase:** SHT 5 **Lot Number:** 68

Driving Directions: Hwy 150, Right Perth Rd, Right Clontz Hill, on Right Before Ridge Creek Drive, Right on Brook Creek Drive

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure:

(X) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business:
Square Footage of Building:
Maximum Number of Employee:
Maximum Number of Seats/Beds/Other:

Water Supply:

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

Desired Septic System Type: ***(you may rank in order of preference)*** **Year existing system installed:**

( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (X) Other: Accepted

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: [signature] 9/27/19 [redacted]

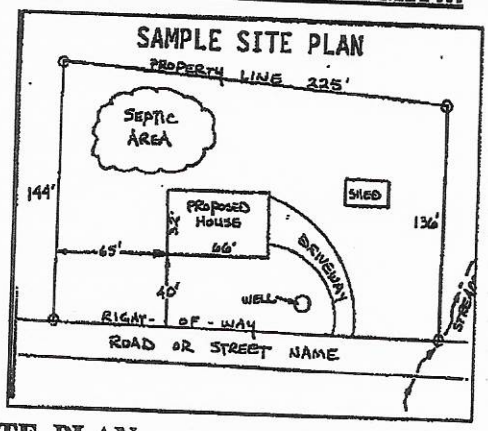
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 2: *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
- (X) Front and side setbacks from property line
- (X) Preferred driveway location and well location
- (X) Area you prefer your septic system to be placed
- (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)

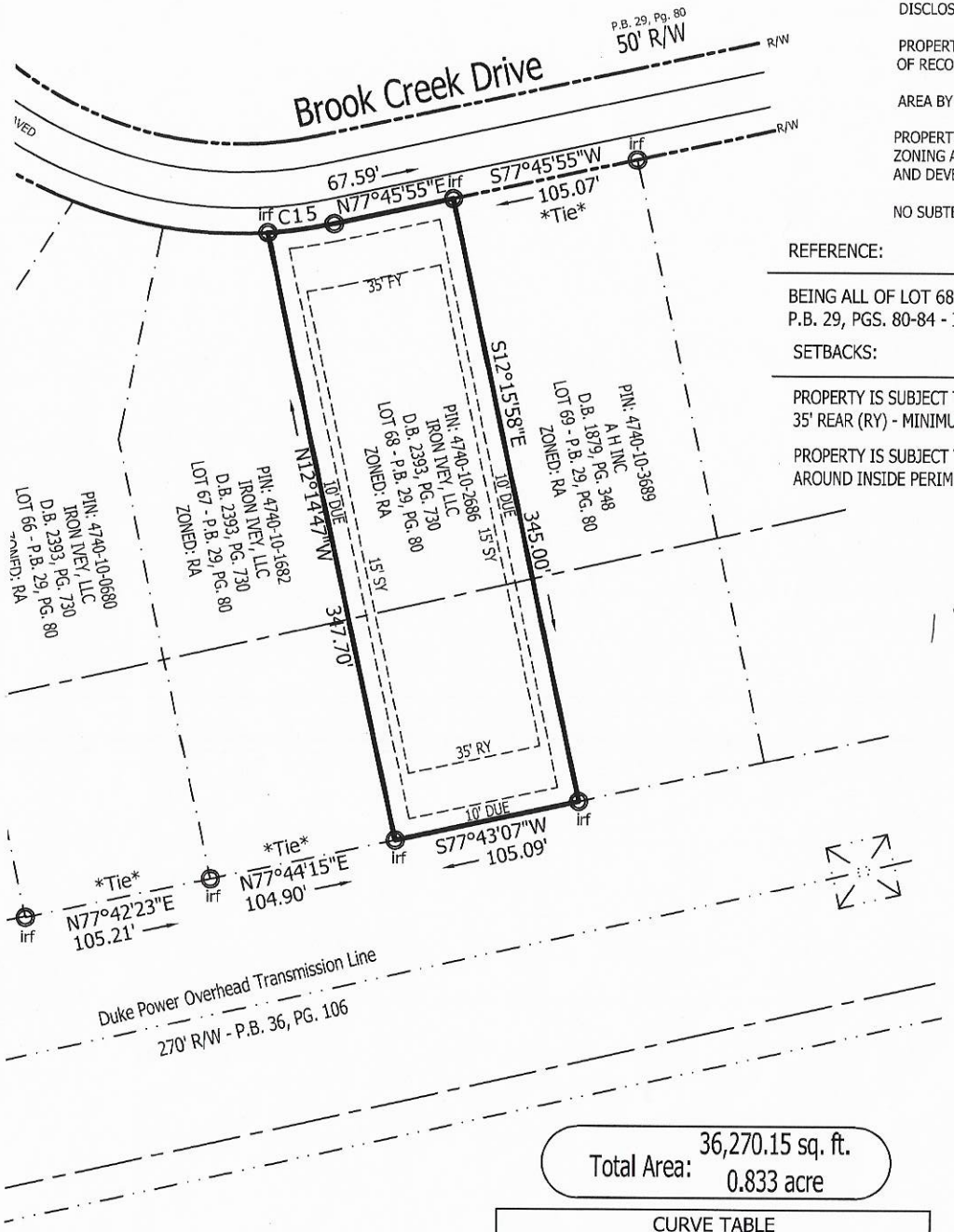
USE THIS SPACE TO DRAW YOUR SITE PLAN

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 DRAWING

Signature: [signature] 9/27/19

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



NOTES:

PROPERTY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.

PROPERTY SUBJECT TO EASEMENTS AND RIGHTS OF WAY OF RECORD AND THOSE NOT OF RECORD, IF ANY EXIST.

AREA BY COORDINATE COMPUTATION.

PROPERTY MAY BE SUBJECT TO GOVERNMENTAL ORDINANCES, ZONING AND OTHER REGULATIONS CONCERNING THE DIVISION AND DEVELOPMENT OF REAL ESTATE.

NO SUBTERRANEAN SURVEY PERFORMED AT THIS SITE.

REFERENCE:

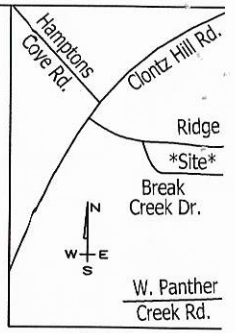
BEING ALL OF LOT 68 - ROCKY CREEK COVE SUBDIVISION - AS RECORDED IN P.B. 29, PGS. 80-84 - IREDELL COUNTY REGISTER OF DEEDS.

SETBACKS:

PROPERTY IS SUBJECT TO A 35' FRONT (FY), 15' SIDE (SY) - 25' CORNER LOT (CL) & 35' REAR (RY) - MINIMUM BUILDING SETBACK LINE PER P.B. 29, PGS. 80-84.

PROPERTY IS SUBJECT TO A 10' DRAINAGE & UTILITY EASEMENT (DUE) AROUND INSIDE PERIMETER OF EACH LOTPER P.B. 29, PGS. 80-84.

THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3710474000J EFFECTIVE DATE 3/18/2008.



Vicinity Map

Notice:

This survey was prepared without the benefit of a title abstract and is made subject to any discrepancies which may be disclosed by a thorough and accurate title search. All Areas shown are by Coordinate Computation Method.

I, MATTHEW I. GRANT, PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION WITH A PRECISION RATIO OF 1:10,000; THAT THE GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS WERE PERFORMED TO THE GEOSPATIAL POSITIONING ACCURACY STANDARDS, PART 2: STANDARDS FOR GEODETIC NETWORKS AT THE 95% CONFIDENCE ACCURACY CLASSIFICATI (95 % CONFIDENCE) USING REAL TIME KINEMATIC.

Witness my seal and signature this day, 27, September 2016

Matthew I. Grant, P.L.S. License #5208

1" = 100'

NAD83-2011

Legend:

- ecm - Existing Concrete Marker
- oel - Overhead Electric Line
- ipf - Iron Pipe Found
- irf - Iron Rebar Found
- irs - Iron Rebar Set
- R/W - Right of Way
- PL - Property Line
- ca - Cable Television Box
- tp - Telephone Pedestal
- tr - Power Transformer
- ◉ - Computed Point
- - Power Pole

GRAPHIC S

100 0

(IN FEE

1 inch = 1

Total Area: 36,270.15 sq. ft. 0.833 acre

CURVE TABLE				
CURVE	LENGTH	RADIUS	CH BRG	CH DIS
C15	37.50	255.00	N81°46'02"E	37.47'

JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, PLLC
P.O. BOX 151 * STATESVILLE, NC 28687
mattg@jordan-grant.com
FIRM # P-1227

JOB NAME:	IRON IVE
LOT 68- ROCKY CREEK C	
DRAWN BY: SMS	CH
SCALE: 1"= 100'	
DEED REF: 2393-730	PII
DATE OF MAP: 09-12-16	SU
REVISION:	DF

160 BROOK CREEK DRIVE - T
FALLSTOWN TOWNSHIP --- IREDELL (

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, Iron Ivey LLC, am the legal owner(s) of the property located at 160 Brook Creek Drive Troutman 28166, identified as PIN (Parcel Identification Number) 4740102686, located in Iredell County, North Carolina.

I do hereby authorize (print legal representative/company name) Samuel Ashley Rollans Rollans Soil & Environmental Services, 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.

Signature of Owner(s)	Date	Signature of Witness	Date
	9/27/19		9/27/19.

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 · NC

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

APPLICATION NUMBER
301243 Issue Date: 09/26/2019

Permit Type: ZONING RESIDENTIAL

Parcel Number	Street Address	Jurisdiction
4740102686.000	160 BROOK CREEK DR	IREDELL COUNTY

Owner Information	Applicant Information
Name: IRON IVEY LLC	Name: OLD IRON CONSTRUCTION LLC
Address: 935 BRONX RIVER AVENUE	Address: 179 RIVER PARK RD
BRONX, NY 10473	MOORESVILLE, NC 28117
Phone:	Phone: (704)929-2846

Use Requested	Zone Code
Modular	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.83	35	35	15	15	WSIV-CA Catawba/Lake Norman	NO

Remarks
MODULAR

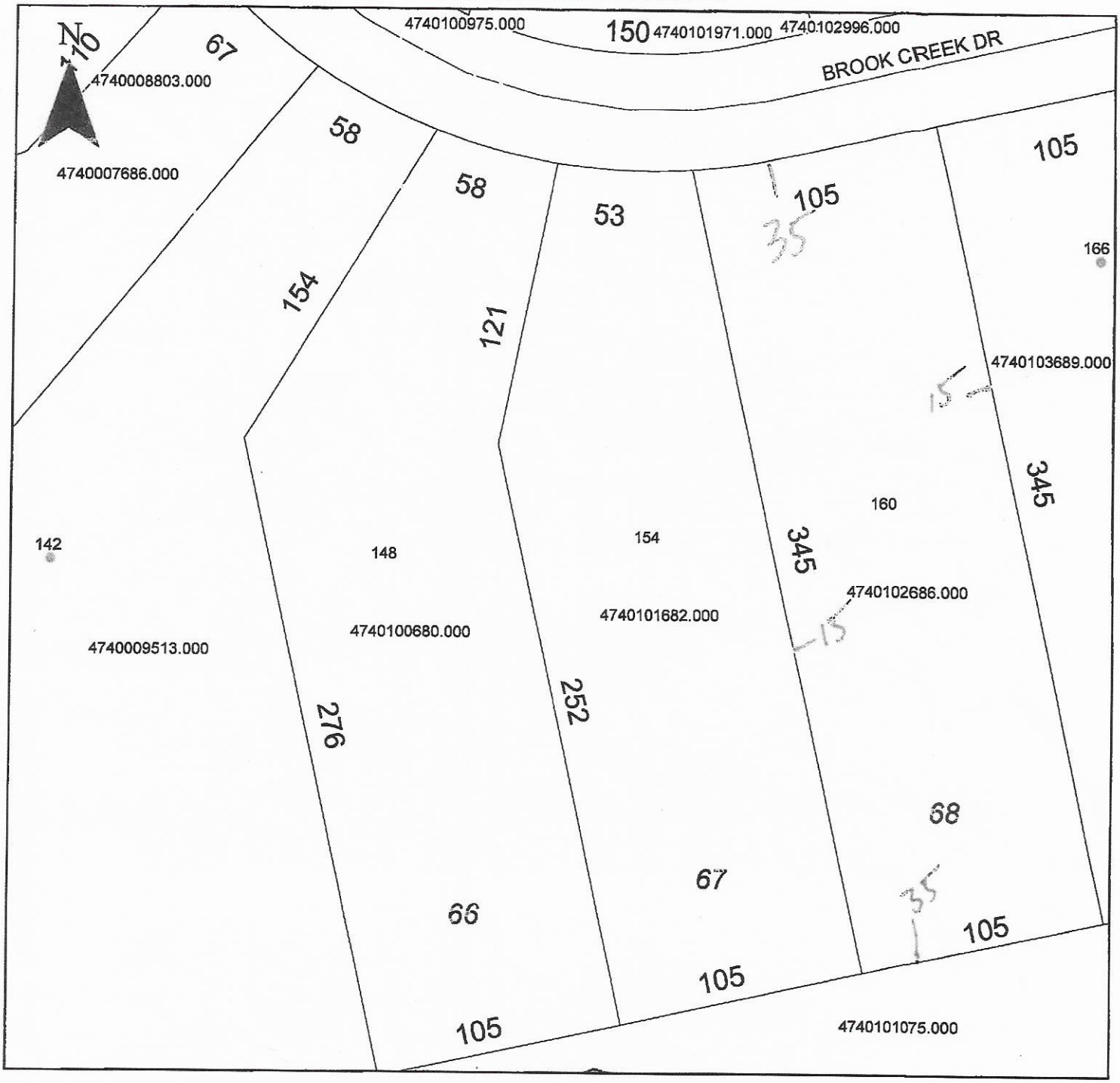
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions,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

Signature of Owner/Contractor

Date: 09/26/2019

Permit Number	000413	TOTAL FEES:	$77.25

ZONING DISCLAIMER



Property Address 140 Brook Creek Dr.

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. Applicant further acknowledges that the 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.

9/26/19

Acknowledgement Of
Plans Submittal ONLY!
Kayla Wilson Date 10-7-19
Date 10/8/19

DESCRIPTION	GLAZING SQ. FT.	VENTING SQ. FT.	DESIGN PRESSURE	MANUFACTURER
WINDOWS				
36" X 61" EGRESS opt. SAFETY GLAZED	12.2	6.14	DP 50/DP 65	KINRO
30" X 36"	5.55	2.70	DP 65	KINRO
48" X 61" EGRESS	16.07	8.01	DP 25	KINRO
42" X 34" BLOCK GLASS	8.28	0	DP 50	HY-LITE
36" X 12" TRANSOM	1.7	0	DP 65	KINRO
24" X 48" opt. SAFETY GLAZED	4.85	2.44	DP 65	KINRO
14" X 40" opt. SAFETY GLAZED	2.48	1.29	DP 65	KINRO
60" X 40" DBL END SLIDER	14.35	6.11	DP 50	KINRO
DOORS				
74" X 80" ATRIUM DOOR with 15 LITE WINDOWS	24.96	19.45	DP 50	ELIKER
72" X 78" SLIDING GLASS	34.37	19.45	DP 50	KINRO
36" X 80" EXTERIOR DOOR with 9 LITE WINDOW	4.4	19.45	DP 50	ELIKER
36" X 80" EXTERIOR DOOR with 15 LITE WINDOW	14.88	19.45	DP 50	ELIKER

	DOOR SCHEDULE	WINDOW SCHEDULE
1	36" x 80" EXTERIOR	36" x 61" EGRESS
2	34" x 76" EXTERIOR	31 3/4" X 26" = 5.7 SQ FT 2 STEP EGRESS
3	30" x 80" INTERIOR	36" x 12" TRANSOM
4	24" x 80" INTERIOR	30" x 36"
5	72" x 80" SG GLASS DOOR	72" x 8" TRANSOM
6	48" x 80" BIFOLD	34" x 42" BLOCK SAFETY GLAZED
7	60" x 80" BIFOLD	24" x 48" SAFETY GLAZED
8	74" x 80" ATRIUM DOOR	62" X 40" DBL END SLIDER
9	36" x 80" INTERIOR	14" x 40" OBSCURED S.G.

COLUMN SUPPORT
(A) 1-2x4's
(B) 2-2x4's
(C) 3-2x4's
ALL COLUMN STUDS SHALL BE GLUED TOGETHER WITH 100LPOA GLUE COVERAGE
EACH COLUMN'S STUD SHALL BE NAILED TO ADJACENT COLUMN STUD WITH 10" x 2½" NAILS SPACED 4" O.C. STAGGERED OR APPROVED ALTERNATE FASTENING
RIDGE BEAMS TO CONTINUOUS PAST COLUMN STUDS
STUDS SHALL BE MINIMUM SPF#2

AREA	
1st FLOOR	1493 SQ. FT
2nd FLOOR	N/A
GLAZING	157.5 SQFT

TRUSSES LOCATED IN ATTACHED CALCULATIONS, SECTION 1 PAGES 5 & 10

ATTIC VENTALATION:
SEE WORKSHEET #1 CALCULATIONS

Q/A MANUAL REFERENCE
WINDOW SCHEDULE PAGE 06.09.00
DOOR SCHEDULE PAGE 06.10.00

RANCH SHEARWALLS

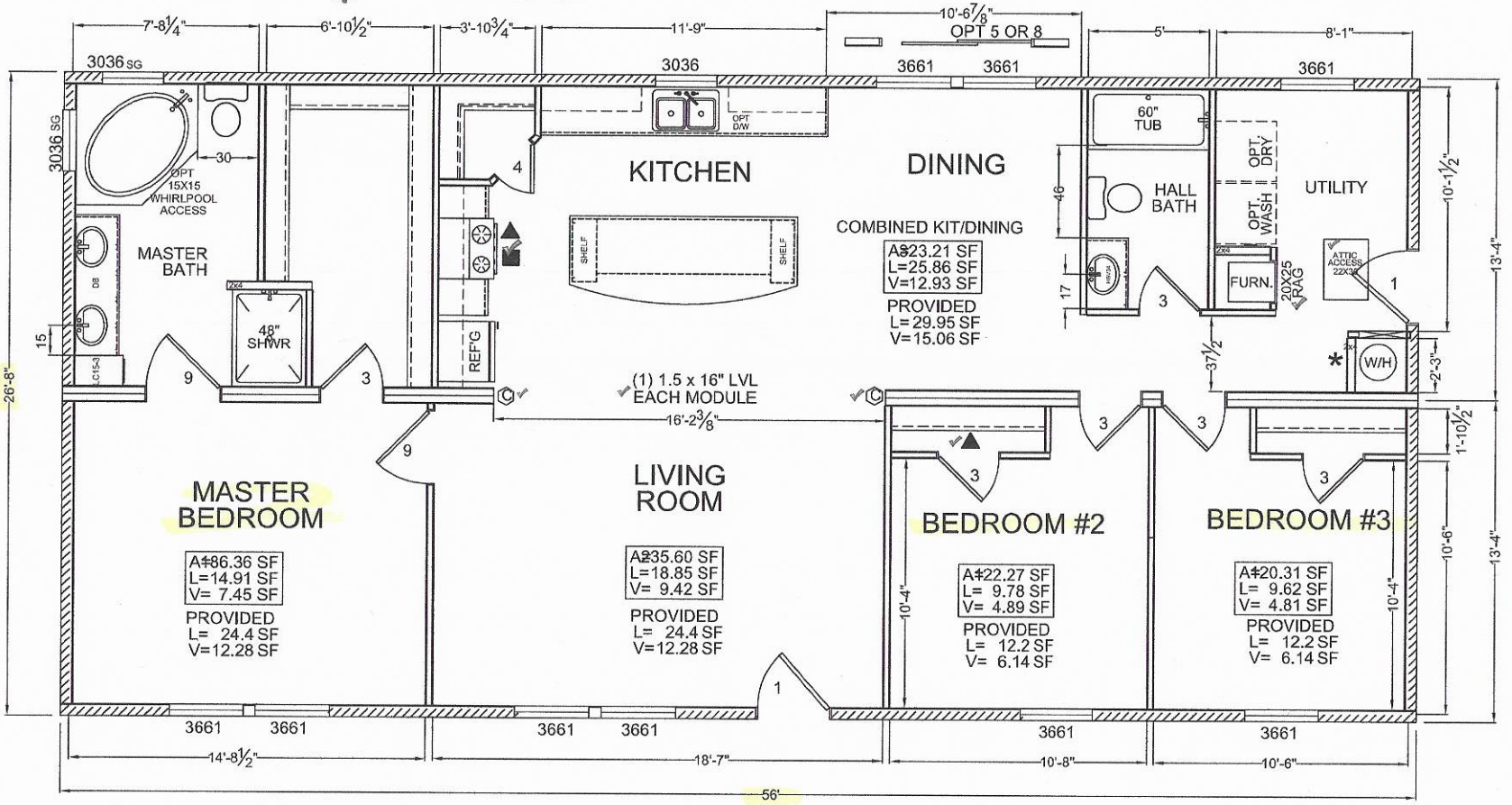
WIND VELOCITY SHEARWALLS
ATTACHED CALCS FROM BARLOW ENGINEERING
SYSTEM PACKAGE

* DRYER VENT TO BE INSTALLED ONSITE

ALL BEAMS REFERENCED TO
ATTACHED CALCULATION SHEETS PAGE 27

AS PREPARED BY BARLOW ENGINEERING
MATEWALL
LIVE LOAD (L/240) = 223 PLF TOTAL LOAD (L/180) = 327 PLF

✓ DATA PLATE
* ENERGY CERTIFICATION LABEL
✓ ▲ LABEL LOCATIONS (STATE & PFS)



CHAMPION
4055 HWY. 401 SOUTH, LILLINGTON, NC 27546

PROJECT

APPROVED
Sherrow Bakery
DATE 5/3/19
Approved as noted. Keep Seal Portion Only
PFS CORPORATION
Cottage Grove, WI

TITLE: FLOOR PLAN
MODEL: 23-2856-01
26'-8" x 50'-0" 3 BEDROOM 2 BATH
DATE: 05-26-16
SCALE: 3/16" = 1'-0"
DRAWN BY: RS
REVISED:
REVISIONS
SHEET NO: AP-101
PAGE: