IREDELL COUNTY

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

APPLICATION NUMBER
139368
Issue Date: 02/25/2014

Permit Type: AUTHORIZATION CONSTRUCT

Parcel Number	Street Address	Jurisdiction
4627604698.000	272 GRASSHOPPER CIRCLE	MOORESVILLE

Owner Information	Applicant Information	Contractor Information
Owner: ROBERT & JUDY TING FONG TOH Address: 8008 IREDELL CO, NC 28625 Phone:	Applicant: SHEA CUSTOM- LLC Address: UNKNOWN UNKNOWN IREDELL CO, NC 28625 Phone:	Contractor: ROBERT & JUDY TING FON Address: 8008 IREDELL CO, NC 28625 Phone: License Type License Number

Project Description

CONVERTED FROM BLACKBEAR CONST

Scope of Work

SFD

Permit Details:

	AUTHORIZATION CONSTRUCT	Amount:	75.00
		Amount:	
		Amount:	
		Amount:	
		Amount:	
		Amount:	
		Amount:	

I hereby certify that all information in this application is correct and all work will comply with the state code and all other applicable state and local laws, ordinances and regulations. The respective department will be notified of any changes in the approved plans, a change of contractor, and/or specifications for the project permitted herein. This application becomes a permit only when validated and approved.

Signature of Owner/Contractor

Date: 02/25/2014

ANY PERMIT ISSUED EXPIRES SIX (6) MONTHS AFTER ISSUANCE IF NO INSPECTIONS HAVE BEEN MADE. ANY PERMIT ISSUED SHALL EXPIRE TWELVE (12) MONTHS AFTER LAST INSPECTION IF THE WORK IS DISCONTINUED.

Permit Number	6901	TOTAL FEES:	$ 75.00

Ltd Relayout
Paid $40.00 2/19/14
Paid $35.00 2/25/14



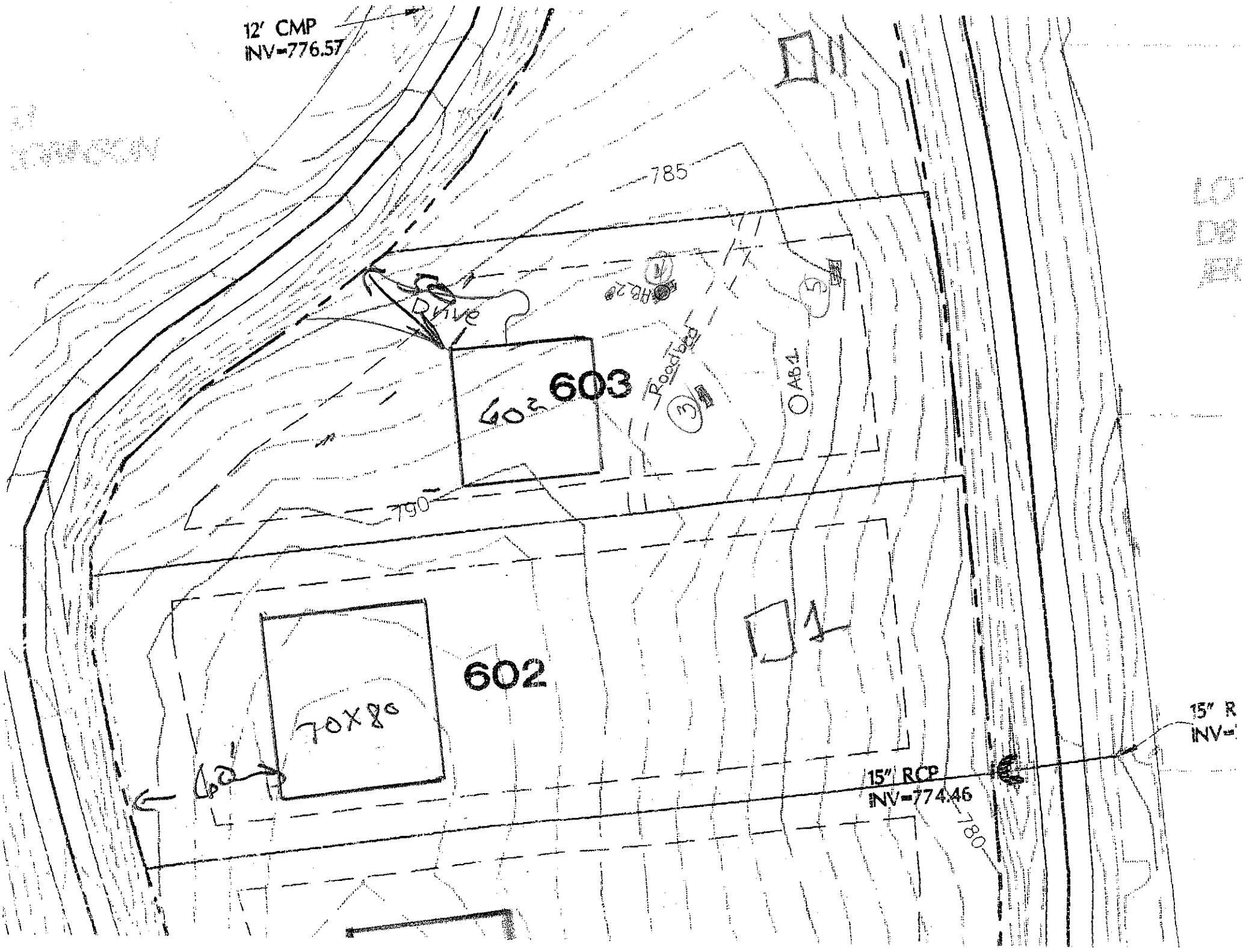
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for Farms SD, Lot 603, 272 Grasshopper Cir.
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Red 1		44'
Pink 2		60'
Orange 3	**80'**	**80'**
Blue 4	**80'**	**80'**
Red 5	**80'**	**105'**
Pink 6	**80'**	**105'**
Orange 7	**80'**	**105'**
Red 8		35'
Orange 9		70'
Pink 10		80'

Initial System: 400' **Repair System:** 289'

Comments:
Currently this lot is permitted 4 bedroom PPBPS system. The current owners wish to obtain a 25% Reduction system. M A & Associates performed 2 soil observations to verify previous soil rating of 0.3 by ICHD and a new lay out that accommodates a 25 % reduction system. If there are any questions please contact us.


12' CMP
INV=776.57
785
603
Road Bed
OAK
790
602
70X80
15" RCP
INV=774.46
780

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: ___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

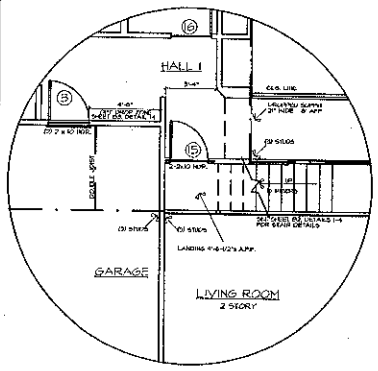
OWNER: Farms V — APPLICATION DATE ___
ADDRESS: ___ — DATE EVALUATED: 12-6-06
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: ___
LOCATION OF SITE: Lot 603 — PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private ☒ Public ☑ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1936 SAPRO CLASS	.1944 REDOX DEPTH	
1	L 2-5%	0-11	WK SBK scl	FR SS/SP	Red Br				0.25-0.3
		11-48	Mo SBK C	FR SS/SP	Red	F/C yel mottles	Br	24-30"	
2	L 2-5%	0-28	Mo SBK C	FR SS/SP	Red		F sap		0.3
		28-48	Mo/wk SBK cl/scl	FR SS/SP	Red				
3		0-15	wk sbk sl/c	fr ss/sp					0.25-.3
		15-29	wk sbk sl/c	fr ss/sp					
		29-50	wk sbk sl/c	fr ss/sp					
4		0-28	wk sbk sl/c	fr ss/sp					0.3
		28-49	wk sbk sl/c	fr ss/sp					

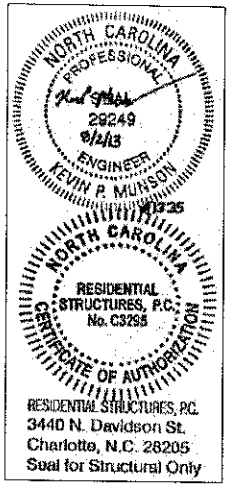
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

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

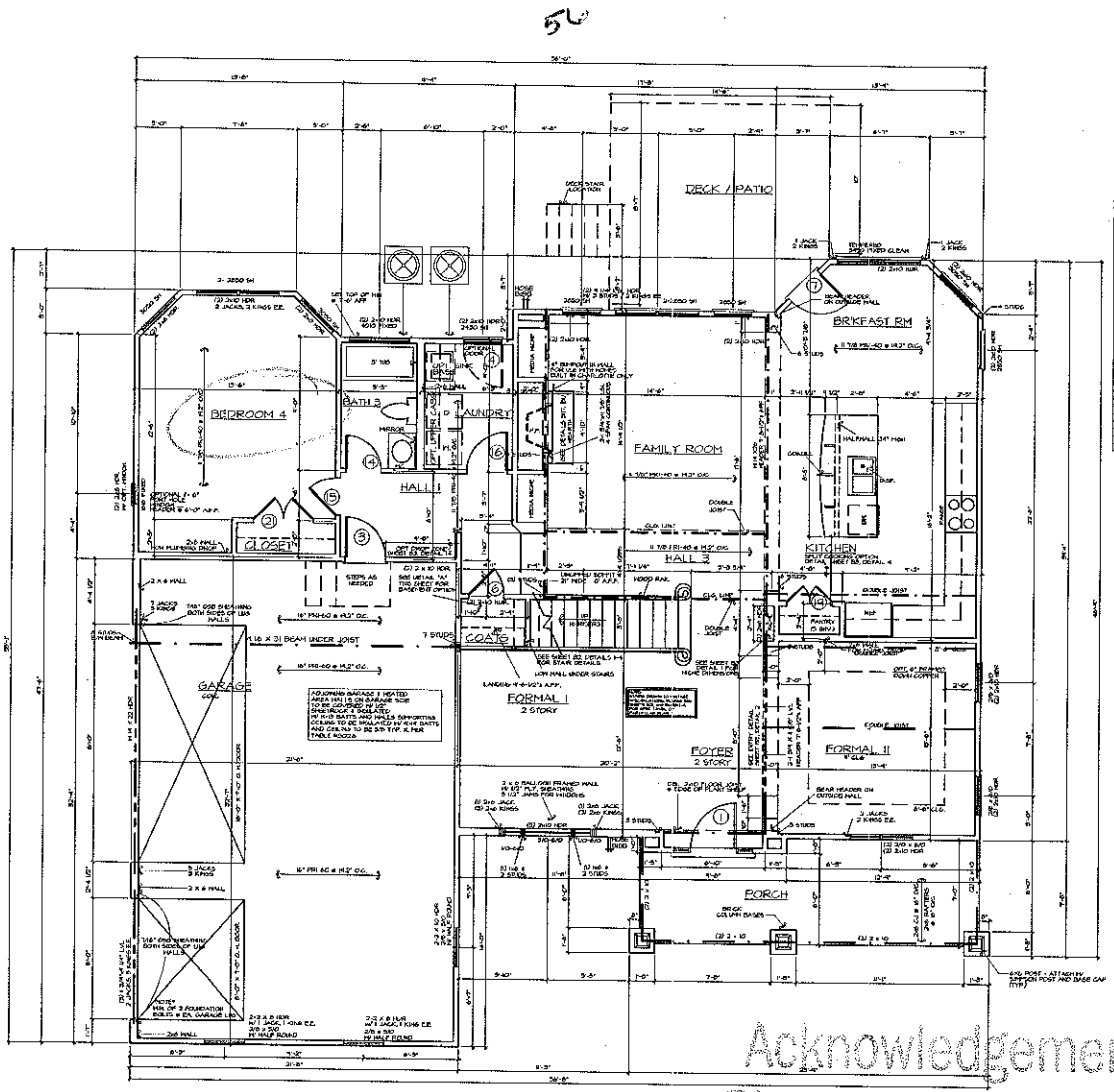
COMMENTS:



DETAIL A
RAILING STAIR DETAIL
FOR BASEMENT PLANS



NOTE FOR GARAGE HEADERS:
6" X 4" STEEL WITH OVERSIZED BRICK OR
5" X 3 1/2" STEEL WITH QUEEN SIZED BRICK



NUMBER	DOOR SIZE	DESCRIPTION
	SEE PLANS 8" OR 10" SO PLANS 8'-0" HT.	
1	FRONT WHEAT DOOR	SEE FRONT ELEV. FOR STYLE
2	3'-0" x 6'-8"	(1) 6 PNL GLASS W/ WHEAT DOOR
3	2'-8" x 6'-8" (8/0)	20 MIN. FIRE RATED DOOR
4	2'-8" x 6'-8" (8/0)	1 LIGHT 20 MIN.
5	7'-0" (10'-0" x 8'-0" (10/0)	15 OR 18 LIGHT FRENCH DOOR
6	12'-0" (14'-0" x 8'-0" (14/0)	15 OR 18 LIGHT FRENCH DOOR
7	(2) 2'-8" x 8'-0" (16/0)	15 OR 18 LIGHT FRENCH DOOR
8	(2) 2'-0" x 6'-8" (8/0)	15 OR 18 LIGHT FRENCH DOOR
9	1'-0" x 4'-0" (2x10)	MSK FEATURE LEVEL
10	1'-0" x 4'-0" (8x10)	MSK FEATURE LEVEL
11	1'-0" x 5'-0" (8x10)	MSK FEATURE LEVEL
12	1'-0" x 5'-0" (8x10)	MSK FEATURE LEVEL
13	2'-0" x 6'-8" (8x10)	MSK FEATURE LEVEL
14	2'-8" x 6'-8" (8x10)	MSK FEATURE LEVEL
15	2'-8" x 6'-8" (8x10)	MSK FEATURE LEVEL
16	2'-8" x 6'-8" (8x10)	MSK FEATURE LEVEL
17	3'-0" x 6'-8" (8x10)	MSK FEATURE LEVEL
18	(2) 2'-0" x 6'-8" (16/0)	MSK FEATURE LEVEL
19	(2) 1'-6" x 6'-8" (12/0)	MSK FEATURE LEVEL
20	(2) 1'-8" x 6'-8" (16/0)	MSK FEATURE LEVEL
21	(2) 2'-0" x 6'-8" (16/0)	*SEE CASEMENT LEVEL
22	(2) 2'-4" x 6'-8" (16/0)	MSK FEATURE LEVEL
23	(2) 2'-8" x 6'-8" (16/0)	MSK FEATURE LEVEL
24	(2) 2'-0" x 6'-8" (16/0)	MSK FEATURE LEVEL
25	(2) 2'-0" x 6'-8" (16/0)	*SEE CASEMENT LEVEL
26	16'-0" x 7'-0"	GARAGE DOOR
27	9'-0" x 7'-0"	GARAGE DOOR
28	16'-0" x 8'-0"	GARAGE DOOR
29	9'-0" x 8'-0"	GARAGE DOOR
30	8'-0" x 8'-0"	GARAGE DOOR
31	9'-0" x 8'-0"	GARAGE DOOR
32	2'-8" x 6'-8" (8/0)	FULL GLASS FRENCH DOOR
33	(2) 2'-8" x 6'-8" (16/0)	FULL GLASS FRENCH DOORS
34	(2) 2'-0" x 6'-8" (16/0)	FULL GLASS FRENCH DOORS
35	(2) 2'-8" x 6'-8" (16/0)	FULL GLASS FRENCH DOORS W/ SIDELIGHT
36	6'-0" x 6'-8" (16/0)	SLIDING DOOR
37	2'-8" x 6'-8" (8/0)	FULL GLASS FRENCH DOOR W/ TRANSOM

EXTERIOR DOOR ROUGH OPENING SCHEDULE

DOOR SIZE	R.O. WIDTH PLATE VARIANCE	R.O. HEIGHT 8'-1/8" PLATES	R.O. HEIGHT 9'-1/8" PLATES
2'-0 SINGLE	2'-2"	6'-10 1/2"	7'-10 1/2"
2'-8 SINGLE	2'-10"	6'-10 1/2"	7'-10 1/2"
3'-0 SINGLE	3'-2"	6'-10 1/2"	7'-10 1/2"
5'-4 BIFOLD	5'-6"	6'-10 1/2"	7'-10 1/2"
6'-0 FRENCH	6'-2"	6'-10 1/2"	7'-10 1/2"
6'-0 PATIO	6'-2"	6'-10 1/2"	7'-10 1/2"
9'-0 PATIO	9'-2"	6'-10 1/2"	7'-10 1/2"
10'-0 X 8'-0	10'-2"	8'-2 1/2"	9'-2 1/2"
16'-0 X 8'-0	16'-2"	8'-2 1/2"	9'-2 1/2"
16'-0 X 9'-0	16'-2"	9'-2 1/2"	10'-2 1/2"
6'-0 VINYL SLIDER	6'-2"	6'-10 1/2"	7'-10 1/2"
6'-0 VERT. SLIDER W/ 10" TRANSOM	6'-2"	7'-8 1/2"	8'-8 1/2"
6'-0 VERT. SLIDER W/ 12" TRANSOM	6'-2"	8'-0 1/2"	9'-0 1/2"
3'-0 SINGLE W/ 2'-0 HALF ARCHED	3'-2"	10'-0"	11'-0"
6'-0 BIFOLD W/ SIDELIGHT ARCHED	9'-2"	10'-0"	11'-0"

BRICK SUPPORT NOTES:

1) FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 6'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE W/ 4" MIN. EMBEDMENT AT SIDES FOR BRICK SUPPORT.

2) FOR ALL HEADERS 6'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER W/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED FOR BRICK SUPPORT.

3) FOR ALL BRICK SUPPORT @ ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO 2 x 10 BLOCKING INSTALLED BETWEEN RAFTERS W/ 1/2" LAG SCREWS 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R 703.7.2.2 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2009 EDITION.

STRUCTURAL NOTES:

1) ALL FRAMING LUMBER TO BE #2 SPF (MIN).
2) ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 (MIN).
3) ALL BEAMS ARE TO BE SUPPORTED W/ (2) 2 x 4 POST AND (MIN).
4) SUPPORT ALL WALLS PARALLEL TO THE FLOOR TRUSSES PER THE TRUSS MANUFACTURER'S SPECS.
5) SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.

SheaHomes (Raleigh)
101 J. Morris Common Ln., Suite 105
Morrisville, NC 27560
919-468-7100

SheaHomes (Charlotte)
3436 Toringdon Way, Suite 100
Charlotte, NC 28277
704-319-5000

ELEVATION: EB
GARAGE LEFT

PLAN NUMBER: 229 PLAN
PLAN NAME: SILVERADO

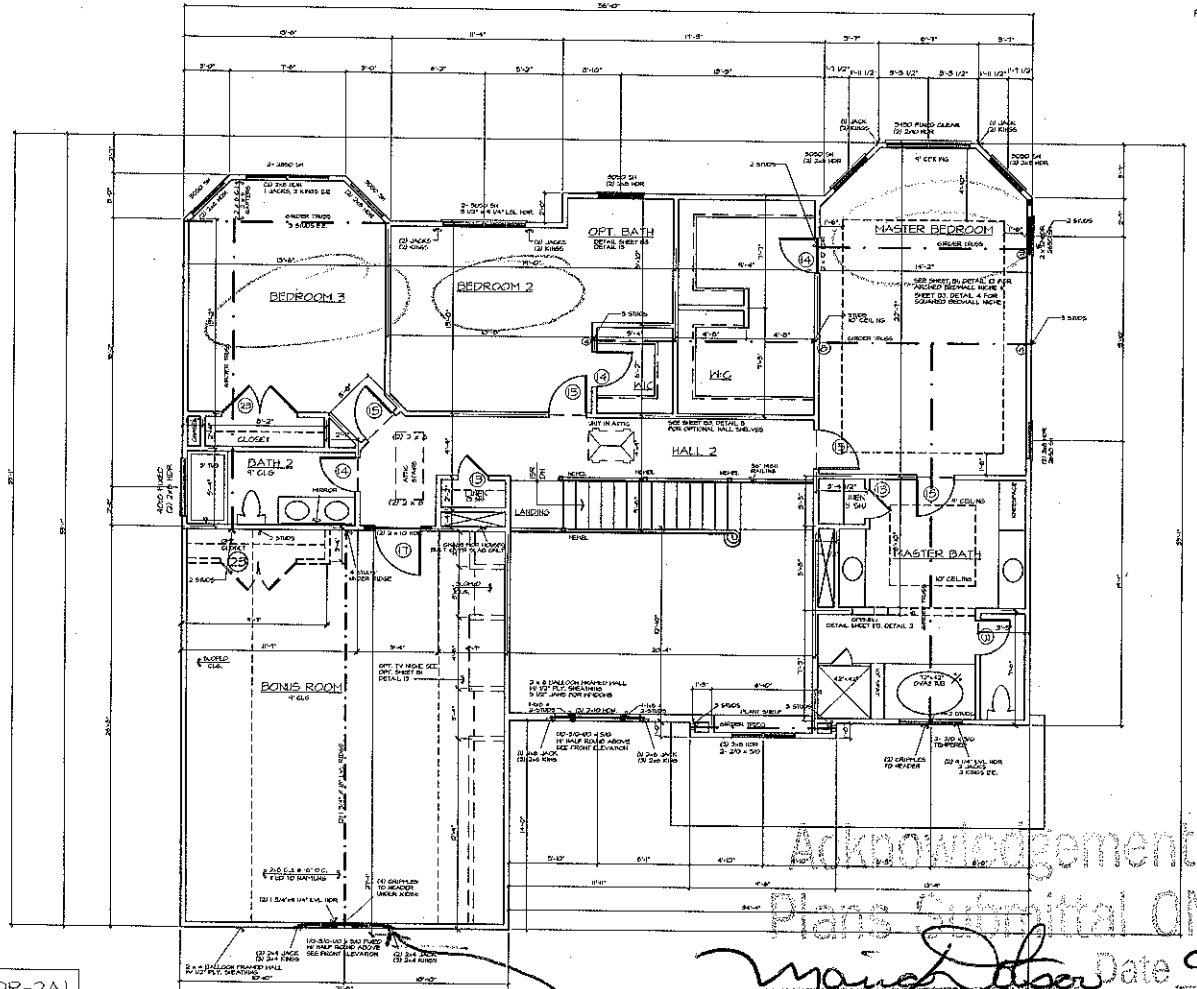
Date 08/22/07
Scale 1/8"=1'-0"
Drawn JGLENN
Checked
Sheet # E1

FLOOR PLAN (FLOOR-1A)

Acknowledgement Of
Plans Submittal ONLY:

Date 9/11/13

Date 9-16-13



ROOF TRUSS LAYOUT ON THIS PAGE TO MATCH SHEET 61

NORTH CAROLINA PROFESSIONAL ENGINEER
29249
9/4/13
KEVIN P. MUNSON

NORTH CAROLINA CERTIFICATE OF AUTHORIZATION
RESIDENTIAL STRUCTURES, P.C.
No. C3295

RESIDENTIAL STRUCTURES, PC.
3440 N. Davidson St.
Charlotte, N.C. 28205
Seal for Structural Only

BRICK SUPPORT NOTES:

1) FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 6'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE W/ 4" MIN. EMBEDMENT AT SIDES FOR BRICK SUPPORT.

2) FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER W/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED FOR BRICK SUPPORT.

3) FOR ALL BRICK SUPPORT @ ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO 2 x 10 BLOCKING INSTALLED BETWEEN WALL STUDS W/ 1/2" LAG SCREWS 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R602.3.2.2 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2009 EDITION.

STRUCTURAL NOTES:

1) ALL FRAMING LUMBER TO BE #2 SPF (U.O.)
2) ALL LOAD BEARING HEADERS TO BE (2) 2 x 10 SYP.
3) ALL BEARING ARE TO BE SUPPORTED WITH (2) 2 x 4 PER END STUD.
4) SUPPORT ALL WALLS PARALLEL TO THE FLOOR TRUSSES PER THE TRUSS MANUFACTURER'S SPECS.
5) SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.

Acknowledgement Of Plans Submittal ONLY

Date 9/11/13

Date 9-16-13

Fixed window

FLOOR PLAN (FLOOR-2A)

SheaHomes (Raleigh)
101 J. Morris Common Ln, Suite 105
Morrisville, NC 27560
919-468-7100

SheaHomes (Charlotte)
3436 Toringdon Way, Suite 100
Charlotte, NC 28277
704-319-5000

ELEVATION: EB GARAGE LEFT

PLAN NUMBER: 229 PLAN

PLAN NAME: SILVERADO

Information: Date 08/22/07; Scale 1/8"=1'-0"; Drawn JGLENN; Checked J.Glenn

Sheet # E2