

FRANKLIN COUNTY
SPECIAL USE PERMIT APPLICATION

I/We Patricia C Bailey, Jessica L Bailey as Owner(s), Contract Purchasers, or Owner's Authorized Agent of the property described below, hereby apply to the Franklin County Board of Supervisors for a special use permit on the property described below:

Petitioner's Name: Patricia C Bailey

Petitioner's Address: Mailing 1220 Water Wheel Drive Moneta Va. 24121

Petitioner's Phone Number: Pat 540-874-5249

Petitioner's Email Address: pbailey@smithmountain.com

Property Owner's Name: Patricia C Bailey, Jessica L Bailey

Property Owner's Address: same as above

Property Owner's Phone Number: same as above

Property Owner's Email Address: same as above

Property Information:

A. Proposed Property Address: 1533 Merriman Way Road, Moneta Va. 24121

B. Tax Map and Parcel Number: 15.00-083.01 / 0150008301

C. Election District: Gills Creek

D. Size of Property: 7.732 acres

E. Existing Zoning: A1

F. Existing Land Use: Residential

G. Is the property located within any of the following overlay zoning districts:

☐ Corridor District ☐ Westlake Overlay District ☒ Smith Mountain Lake Surface District

H. Is any land submerged under water or part of Smith Mountain Lake? ☒ YES ☐ NO

I. If yes, please explain: see attached survey- property is waterfront and has deeded land which is below the 803 contour,

Proposed Special Use Permit Information:

J. Proposed Land Use: Residential with the ability to do short term rentals

K. Size of Proposed Use: Rental occupancy not to exceed 12 persons.

L. Other Details of Proposed Use: _____

Checklist for Completed Items:

- Application Form
- Letter of Application
- Concept Plan
- Application Fee

I certify that this application for a special use permit and the information submitted is herein complete and accurate.

Petitioner's Name (Printed): Patricia C Bailey

Petitioner's Signature: _____

Date: 01/24/24

Mailing Address: 1220 Water Wheel Drive Moneta Va. 24121

Phone Number: 540-874-5249

Email Address: pbailey@smithmountain.com

Owner's consent, if petitioner is not property owner.

Owner's Name: Patricia C Bailey Jessica Bailey

Owner's Signature: _____

Date: _____

Date Received by Planning Staff: _____

**Letter of Application for 1533 Merriman Way Road, Moneta Va. 24121
Special Use Permit**

January 24, 2024

To Whom It May Concern,

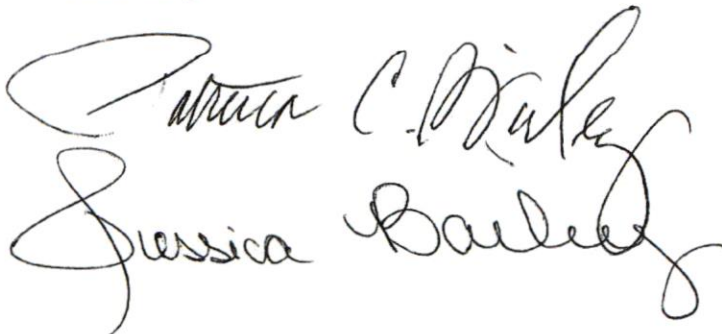
The proposed use of this property is to assist in the affordability of this property by using the home as a short term rental. Our intention is to use the home for owner use from mid September of each year until early June. This will allow us to do apx 10-11 weeks of vacation rentals each year.

We will only rent to groups of 8 or less which will not be likely to have any measurable impact on the surrounding areas since we have frequent visitors during our occupancy of family and friends. The property is expansive in the size and we own the adjoining parcel which creates a total buffer of nearly 19 acres.

The reason for the request is mostly affordability. This will allow us to be able to better afford to keep this property as a larger parcel without having to divide it up into smaller parcels. We also operate a vacation rental business out of our office which is located at 1220 Water Wheel Drive in Moneta and we have living quarters for our use during our peak season which allows us to focus on our business during the rental season. This is a good use of the property for all parties involved.

Please give me a call at 540-874-5249 if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jessica Bailey". The signature is written in dark ink and is positioned below the "Sincerely," text.

**Special Use Permit Application for 1533 Merriman Way Road, Moneta
Va. 24121**

CONCEPT PLAN PACKAGE

Plan date is Jan 24, 2024

Applicants: Patricia C Bailey, Jessica L Bailey

Contents enclosed in package are as follows:

Exhibit A features a Site survey and tax map showing the following items:

North arrow and graphic scale.

Size of the entire parcel for subject which is 7.732 acres and the adjoining parcel which is also owned by the applicants and contains an additional 10.118 acres for privacy. You will also find the deed containing the metes and bounds for both parcels.

Inside of the survey you will find these items identified: location of the home, locations of car parking (11 dedicated spaces), Boat trailer or Jet ski trailer parking (total of 1-4 spaces), Location of driveway and all preserved areas which are existing gravesites on the property along with the wooded areas and a site plan of landscaping areas also known as exhibit A.

On the tax map you will find the adjacent streets, existing streams and Smith Mountain Lake as seen from an aerial viewpoint.

Exhibit B features the blueprints of the home which features the dimensions width, length and height of the home and all exterior decking. This will also show the lighting plan, electrical, plumbing, etc. There is also the Certificate of Occupancy which was issued in 2022 , so it is know that the home is up to all current building and safety codes.

Copy of the 6 BR septic permit and completion log for the existing drainfield installed in 2021 and the certificate of occupancy for the 6 BR home. Copy of the well driller Logs and Water test report in 2022.

Exhibit C features photos of the exterior of the site as well as some of the interior photos of the home including decks.

CHORD	CH BEARING
61.19°	N 76°03'18" W
30.78°	N 83°07'38" W
114.20°	N 88°11'33" W
354.35°	E 79°02'02" W

W-wooded areas

APPROVAL

V.D.O.T. HIGHWAY ENGINEER DATE:

VIRGINIA DEPARTMENT OF HEALTH RECORDS

DATE: _____
SUBDIVISION AGENT _____
FRANKLIN COUNTY PLAN CASE NUMBER 17079

PLAT OF LARGE LOT
SUBDIVISION PREPARED FOR
PATRICIA C. BAILEY
JESSICA L. BAILEY
LOCATED IN

7.732 ACRES
PORTION OF TAX No. 15-63

FOR JERRY M. MAAS
DATED SEP 11 1964

A circular seal with a decorative border. The text "COMMONWEALTH OF VIRGINIA" is curved along the top inner edge. In the center, the text "ROBERT C. JEANS" is written vertically, with "No. 1554" below it. The text "LAND SURVEYOR" is curved along the bottom inner edge.

THE PRIVATE R/V AS SHOWN HEREON DOES NOT MEET THE STANDARDS NECESSARY FOR INCLUSION IN THE STATE OR STATE HIGHWAYS AND WILL NOT BE MAINTAINED BY THE IN DEPT. OF TRANSPORTATION OR WILL BE APPROPRIATED BY THE GENERAL ASSEMBLY FOR RURAL ADDITION FUNDING. TRANSPORTATION TRAVELERS.

Now or Formerly
BETTS CREEK CABIN LLC
DB 963 PG 1304
DB 270, PG 727 (PLAT)
TAX No. 15-82

LOCATED IN



- Oak P. Merriam Hwy
Oak P., #1 Dr.

Exhibit A
metes and
bounds
for both
parcels
of applicant

BK 1155PG1733

This Deed was prepared without
the benefit of title examination by
Seth E. Tvery, P.C. - VSB #20031
715 Court St., Second Floor
Lynchburg, VA 24504
www.sethtvery.com

Tax ID No. 0150008300

Company Providing Title Insurance: Westcor Title Insurance Company

Consideration: \$470,000.00

Assessed Value: \$456,100.00

2021 JAN 25 PM 3:07

THIS DEED, made and entered into this 12th day of January, 2021, by and between
WILLIAM GORDON MAAS and GAYLE MAAS CLINGENPEEL, parties of the first part,
GRANTORS; and PATRICIA C. BAILEY, party of the second part, GRANTEE.

1220 Waterwheel Drive
Moneta VA 24121

WITNESSETH:

210000782

For and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration,
the receipt of which is hereby acknowledged, the parties of the first part hereby grant, sell and convey
to the party of the second part with General Warranty and English Covenants of Title, in fee simple,
the following described real estate located in the County of Franklin, Virginia, to wit:

That certain tract or parcel of land, together with any buildings and improvements
thereon and the privileges and appurtenances thereunto belonging, situate, lying and
being in the Gills Creek Magisterial District, Franklin County, Virginia, containing
19.328 acres, more or less, as shown on a plat entitled "PLAT SHOWING
PROPERTY OF SHELBY B. MAAS 19.328 ACRES TAX #015-00-083-00 BEING
A PORTION OF D.B. 250, PG. 596 SITUATED ALONG MERRIMAN WAY ROAD
GILLS CREEK MAGISTERIAL DISTRICT FRANKLIN COUNTY, VIRGINIA",
dated October 3, 2005, made by Lunsden Associates, P.C., Engineers-Surveyors-
Planners, of record in the Office of the Clerk, Circuit Court, Franklin County, Virginia,
in Plat Book 872, at Page 1231, Instrument No. 060000241.

It being a portion of the same property conveyed unto Jerald M. Maas and Shelby B.
Maas, his wife, as tenants by the entirety, by Deed dated October 28, 1968, of record
in the aforesaid Clerk's Office in Deed Book 250, at Page 596.

The said Jerald M. Mass died September 20, 2002, thereby vesting fee simple title and
interest in the aforesaid real estate in Shelby B. Maas.

BK 1155PG 1734

The said Shelby M. Maas died testate on April 7, 2019 and by her Last Will and Testament dated May 21, 2016, of record in the Office of the Clerk, Circuit Court, Franklin County, Virginia, in Will Book 126, at Page 470 devised the aforesaid real estate unto Gayle Maas Clingenpeel, Jackie Lynn Maas, Lorri Anne Maas and William Gordon Maas.

Lorri Anne Maas disclaimed her interest in the above-described real estate by Disclaimer dated July 22, 2019, of record in the aforesaid Clerk's Office in Will Book 126, at Page 480.

Jackie Lynn Maas disclaimed her interest in the above-described real estate by Disclaimer dated June 20, 2019, of record in the aforesaid Clerk's Office in Will Book 126, at Page 481.

The property hereby conveyed is conveyed subject to all valid and existing conditions, easements, reservations and restrictions heretofore imposed upon said property by recorded deed or plat and now binding thereon.

WITNESS the following signatures and seals:

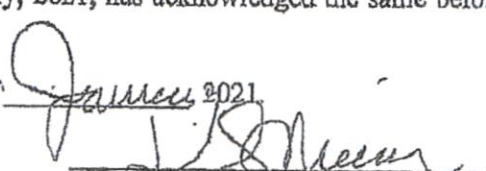

WILLIAM GORDON MAAS (SEAL)

STATE OF Virginia
CITY/COUNTY of Appomattox to-wit:

I, Karen Seay Moore, a Notary Public of the State of Virginia at large, do hereby certify that WILLIAM GORDON MAAS, whose name is signed to the writing above bearing date on the 12th day of January, 2021, has acknowledged the same before me in my State aforesaid.

Given under my hand this 23rd day of January, 2021.

My commission expires: 01/30/2021
My registration no.: 230447


Notary Public

KAREN SEAY MOORE
NOTARY PUBLIC
REG. #240467
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES JUNE 30, 2021

BK1155PG1735

Gayle Maas Clingenpeel (SEAL)
GAYLE MAAS CLINGENPEEL

STATE OF Virginia
CITY/COUNTY of Bedford, to-wit:

I, Leslie Moore, a Notary Public of the State of Virginia,
at large, do hereby certify that GAYLE MAAS CLINGENPEEL, whose name is signed to the writing
above bearing date on the 12th day of January, 2021, has acknowledged the same before me in my
State aforesaid.

Given under my hand this 25 day of January, 2021.

My commission expires: 6/30/2021
My registration no.: 24061

Leslie Moore
Notary Public

KAREN SEAY MOORE
NOTARY PUBLIC
REG. #240497
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES JUNE 30, 2021

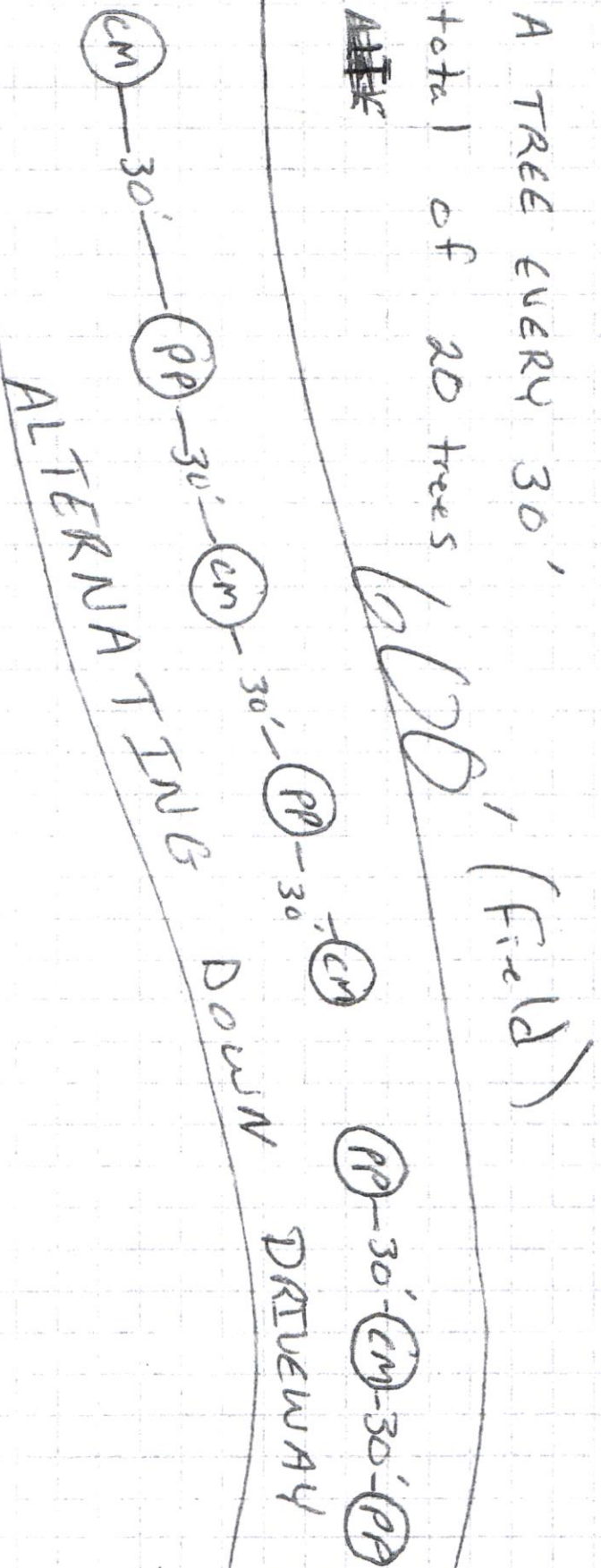
INSTRUMENT 210000782
RECORDED IN THE CLERK'S OFFICE OF
FRANKLIN COUNTY CIRCUIT ON
JANUARY 25, 2021 AT 03:07 PM
\$470.00 GRANTOR TAX WAS PAID AS
REQUIRED BY SEC 58.1-802 OF THE VA. CODE
STATE: \$235.00 LOCAL: \$235.00
TERESA J. BROWN, CLERK
RECORDED BY: AMT

rat Daisy
Driveway / field to tree line

Left Side Driveway

A TREE EVERY 30'
total of 20 trees

~~ALL~~

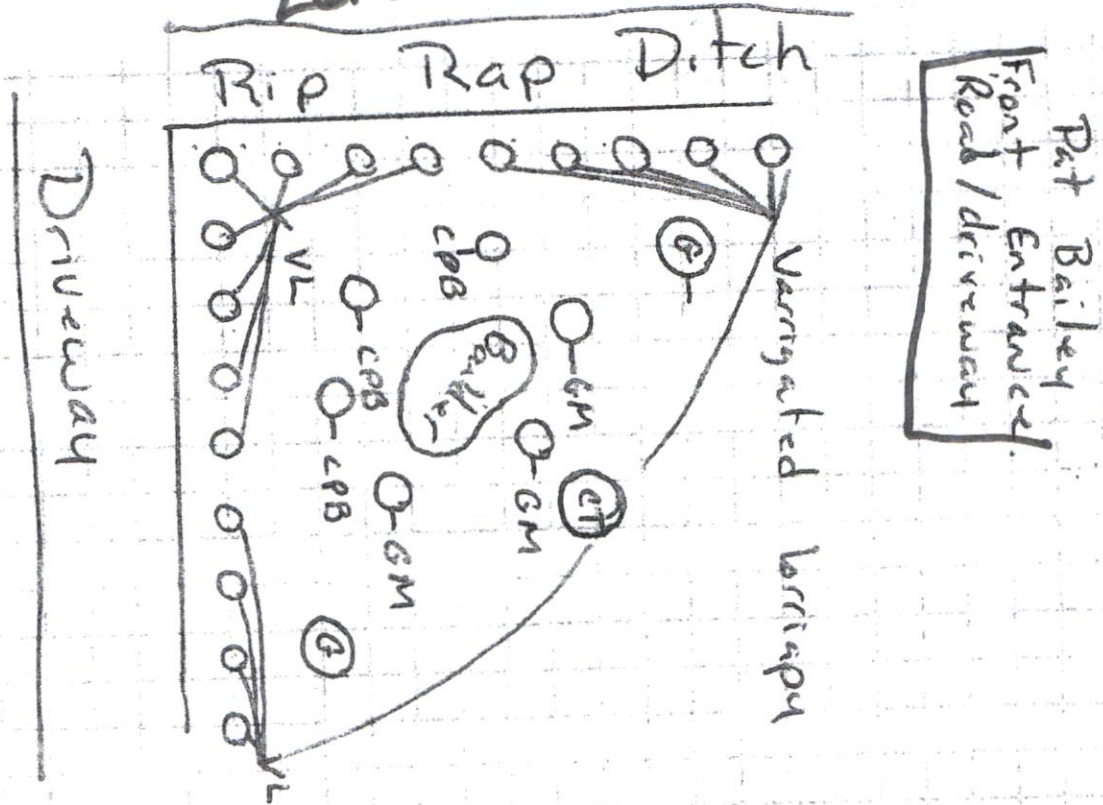


Quantity

(10) = CREPE MYRTLES

(10) = Purple Plums

Exhibit A Landscape Plan



Quantity Legend

- (3) CT = current Tree
- (3) GM = Gold Mops
- (2) G = GAR D IN AS
- (3) CPB = Crimson Pygmy Barberry
- (17) VL = Variegated Lorriapay

River Rock / or Mulch

• Curry rock

Total Plant Count

- 3: Gold Mops
- 10: GAR D IN AS
- 3: Crimson Pygmy Barberry
- 30: Variegated Lorriapay
- 1: Crepe Myrtle white
- 2: Crepe Myrtle purple
- 10: Crepe Myrtle pink
- 11: Purple Plum
- 1: Silver Maple
- 1: Magnolia
- 6: Pink mullig
- 3500: Junipers "Bar Harbor"
- bluesting

Pat Bailey
Private House

Quantity Legend

(5) GARDINAS

Driveway



Gardinas

mulch or River Rock Bed.

Must Satisfy Field Inspection

DESIGN INFORMATION

USE GROUP	R-5
CONSTRUCTION	TYPE V-B
FLOOR LOAD(S)	40/10
ROOF LOAD	30/10
SNOW LOAD	30
WIND LOAD (from unit design)	90 MPH (3-SEC. GUST)
EXPOSURE	B
SEISMIC DESIGN	C

CODE CONFORMANCE

- 2009 INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2008 NATIONAL ELECTRIC CODE (NEC)
- 2009 VIRGINIA UNIFORM STATEWIDE BUILDING CODE

VIRGINIA

Butler

APPROVED BY
NIA INC.
05/28/2013

RECEIVED
NOV 01 2021
BY: _____

PLANS MAY BE REVERSED
PLANS MAY BE MASTERED

CERTIFICATION INFORMATION

REFER TO "NOTE-1" ON FLOOR PLAN	REFER TO "NOTE-2" ON FLOOR PLAN
CERTIFICATION INFORMATION LOCATED UNDER THE KITCHEN SINK	CERTIFICATION INFORMATION LOCATED IN ADJACENT SECTIONS ON CLOSET WALL
A) DATA PLATE	A) 3RD PARTY INSPECTION LABEL
B) 3RD PARTY INSPECTION LABEL	B) MD, NA, TN STATE LABEL
C) STATE LABEL (IF REQ'D)	



TYPICAL PLAN AND GENERAL NOTES

- PLANS ARE EXTRACTED FROM APPROVED SYSTEM DOCUMENTATION AND CAN NOT BE MODIFIED OUTSIDE THE PARAMETERS SET FORTH. ANY CHANGES TO PLANS MUST BE APPROVED BY NATIONWIDE CUSTOM HOMES ENGINEERING DEPARTMENT. MINOR CHANGES OR MODIFICATIONS SUBJECT TO THIRD PARTY INSPECTION. PLANS MAY BE REVERSED.
 - IT IS THE PURCHASER'S RESPONSIBILITY TO INSURE THE ATTACHED PLANS CONFORM TO LOCAL ORDINANCES IN RESPECT TO BUILDING SIZE, HEIGHT, SETBACK, OR AESTHETICS WHICH IS ENFORCED BY LOCAL JURISDICTIONS.
 - HOUSE MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE SYSTEMS ARE AVAILABLE.
 - IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER TO INSURE ANY SITE COMPLETION OF AN UNFINISHED AREA MEET LIGHT/VENTILATION, EGRESS, PLUMBING & ELECTRICAL REQUIREMENTS WHICH ARE SUBJECT TO INSPECTION BY LOCAL & OR STATE JURISDICTION.
 - HVAC SYSTEM WILL BE DESIGNED & INSTALLED ON SITE BY OTHERS PER STATE & LOCAL CODES & ENERGY CODES. SUBJECT TO INSPECTION BY LOCAL JURISDICTION.
- IF HVAC SYSTEM INSTALLED IN ATTIC AREA THE BUILDER IS RESPONSIBLE FOR INSTALLING UNIT TO CONDUCE WITH WEIGHT LIMITATIONS IMPOSED BY FACTORY INSTALLED RAFTERS.
- BUILDER RESPONSIBLE FOR ENGINEERING RAFTER SYSTEM FOR ANY ADDITIONAL LOADS AND IF NEEDED BRACING RAFTERS TO ALLOW FOR ADDITIONAL LOADS IMPOSED BY MECHANICAL EQUIPMENT.
- ATTIC LIVE LOAD: 20 LBS.

TYPICAL ELECTRICAL NOTES

- ALL BRANCH CIRCUITS SUPPLYING 15 & 20 AMPERE OUTLETS IN BEDROOMS ARE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.
- BASMENT PLANS: SMOKE DETECTION WIRE COILED UNDER FLOOR FOR SITE INSTALLATION OF SMOKE DETECTION BY PURCHASER IN THE BASEMENT AREA. SMOKE DETECTORS WIRE FOR SMALL TANGLED OPERATION.
- GROUNDING ELECTRODE SYSTEM SITE INSTALLED BY PURCHASER PER STATE & LOCAL CODES SUBJECT TO INSPECTION BY LOCAL JURISDICTION.

TYPICAL PLUMBING NOTES

- ALL SUPPLY, DRAIN, WASTE & VENT LINES TO BE SUPPORTED @ 4'-0" O.C.
- PURCHASER TO SUPPLY & INSTALL ALL DWV & SUPPLY LINE MATERIALS FOR SITE COMPLETION OF PLUMBING CONNECTIONS UNDER FLOOR & BETWEEN 2 STORY STACK-ON SECTIONS. CONNECTIONS TO BE MADE AT WALL ACCESS ON 2 STORES AS NOTED ON THE FLOOR PLAN. ALL CORN. SUBJECT TO INSPECTION BY LOCAL JURISDICTION.
- ALL VENTS SHALL TERMINATE MIN. 12" ABOVE THE ROOF.
- ALL FITTINGS, DRAIN WASTE & VENT PIPES SHALL BE PVC/DWV PIPE W/ SOLVENT WELDED JOINTS PER MANUF. INSTALLATION INSTRUCTIONS.
- ALL PLUMBING (ON 1ST LEVEL) WILL BE FACTORY INSTALLED TO BOTTOM OF FLOOR JOISTS. PURCHASER RESPONSIBLE FOR PLUMBING COMPLETION TO CONFORM TO CURRENT PLUMBING CODE.
- ALL CLEAN OUTS BY PURCHASER PER CURRENT PLUMBING CODE.
- ALL PVC/DWV TO CONFORM TO CURRENT PLUMBING CODE.
- ANTI-SCALD FAUCETS INSTALLED ON ALL SHOWER FAUCETS.
- PURCHASER RESPONSIBLE FOR FIRESTOPPING ALL FLOOR OUTLETS AT THE TRAPS.
- HEATED WATER TO BATHTUBS/SHOWER. TUBS LIMITED TO 120 DEGREES F BY WATER TEMPERATURE LIMITING DEVICE CONFORMING TO CURRENT BLDG. CODE.

TYPICAL FOUNDATION NOTES

- FOOTING NOTES:**
- FOOTING DESIGN BASED ON AN ALLOWABLE SOIL BEARING VALUE OF 2000 PSF & MUST BE RE-DESIGNED IF SITE CONDITIONS INDICATE A LOWER VALUE.
 - BOTTOM OF ALL FOOTINGS TO BE BELOW FROST LINE AS DETERMINED BY LOCAL BUILDING CODES.
 - CONCRETE TO DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 PSF.
- TYPICAL TERRACE NOTES:**
- EXTERIOR CONCRETE TO BE AIR ENTRAINED WITH A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 PSF (OR LOCAL REQUIREMENT).
 - 4" CONC. OVER 6" W/ #4 WIRE MESH.
 - OT SET CAP TO CARRY SLAB.
 - INSTALL METAL FLASHING BETWEEN CONC. & WOOD MEMBERS.
 - TERRACES TO BE CONSTRUCTED AFTER HOUSE IS SET ON FOUNDATION.
 - PURCHASER RESPONSIBLE FOR ACCESSIBILITY INTO LIVING UNIT PER STATE & LOCAL CODE.
- OPTIONAL BASEMENT NOTES:**
- ALL BASEMENT DOORS & WINDOWS ARE SUPPLIED & INSTALLED BY PURCHASER.
 - DOOR & WINDOW SIZE & LOCATION SUBJECT TO CHANGE ACCORDING TO SITE CONDITIONS.
 - BACKFILL TO BE IN A TAMPED PRIOR TO ARRIVAL OF HOUSE.
 - FOUNDATION DRAINAGE & DAMPPROOFING TO CONFORM TO CURRENT BUILDING CODE.
 - ALL ELECTRICAL, PLUMBING & MECHANICAL INSTALLATION WITHIN THE BASEMENT ARE THE RESPONSIBILITY OF THE PURCHASER & SUBJECT TO APPROVAL & INSPECTION BY THE LOCAL JURISDICTION.

UNIT FASTENING REQUIREMENTS:

- 80 MICH (3-SEC. GUST) AREAS & LESS.
- PURCHASER TO TOLERATE PERIMETER OF FLOOR FIN TO SILL PLATE W/ 160 NAILS (NON-CORROSIVE TYPE) @ 16" O.C. FOR THE ENTIRE PERIMETER OF HOUSE.
 - NATIONWIDE SET DOWN TO BOLT WATING WALL ORDER TOGETHER W/ 7" DIA. BOLTS @ 4'-0" -- SPACING WHEN CONDITIONS DO NOT PERMIT SET DOWN TO INSTALL BOLTS DUE TO HEIGHT OR CRANKSPACE CLEARANCE. PURCHASER IS RESPONSIBLE FOR INSTALLATION OF BOLTS.
 - SECOND LEVEL OF 2 STORY MODELS TO BE TOLERATED TO THE FIRST LEVEL CEILING PREMIER PLATE W/ 160 NAILS @ 16" O.C. FOR THE ENTIRE PERIMETER OF HOUSE.
 - PURCHASER TO REFER TO THE "BUILDER RESPONSIBILITY BULLETIN" FOR INSTRUCTION ON JOG SITE PREPARATION & EQUIPMENT NEEDS FOR UNIT SETTING.
- AREAS W/ WIND ZONE GREATER THAN 80 MICH (3-SEC. GUST):**
- PURCHASER RESPONSIBLE TO SUPPLY & INSTALL ALL FOUNDATION TO UNIT, PLUMB TO UNIT & UNIT TO UNIT WITH THE DOWN STRAPS.
 - COMPLETION OF ROOF COMPONENT TO DOWN PER "HIGH WIND CONST." DETAILS IS THE RESPONSIBILITY OF THE PURCHASER.
 - PURCHASER RESPONSIBLE FOR ALL PLUMB TYPE FOUNDATION CONST. DESIGN & ENGINEERING & SUBJECT TO APPROVAL & INSPECTION BY LOCAL JURISDICTION.

GENERAL FOUNDATION NOTES:

- PURCHASER TO USE MORTAR TYPE "S" OR "M" FOR FOUNDATION CONSTRUCTION AS REQUIRED BY STATE & LOCAL CODES.
- GROUND SURFACE WITHIN CRANKSPACE AREAS TO BE COVERED WITH APPROVED VAPOR BARRIER TO ALLOW 1/5000 VENT REDUCTION AS CALCULATED. VENTS MUST BE LOCATED WITHIN 3'-0" OF EACH CORNER.
- ALL FOUNDATION PLANS ARE SUGGESTIVE ONLY & MUST BE CONST. IN ACCORDANCE WITH STATE & LOCAL CODE REQUIREMENTS.

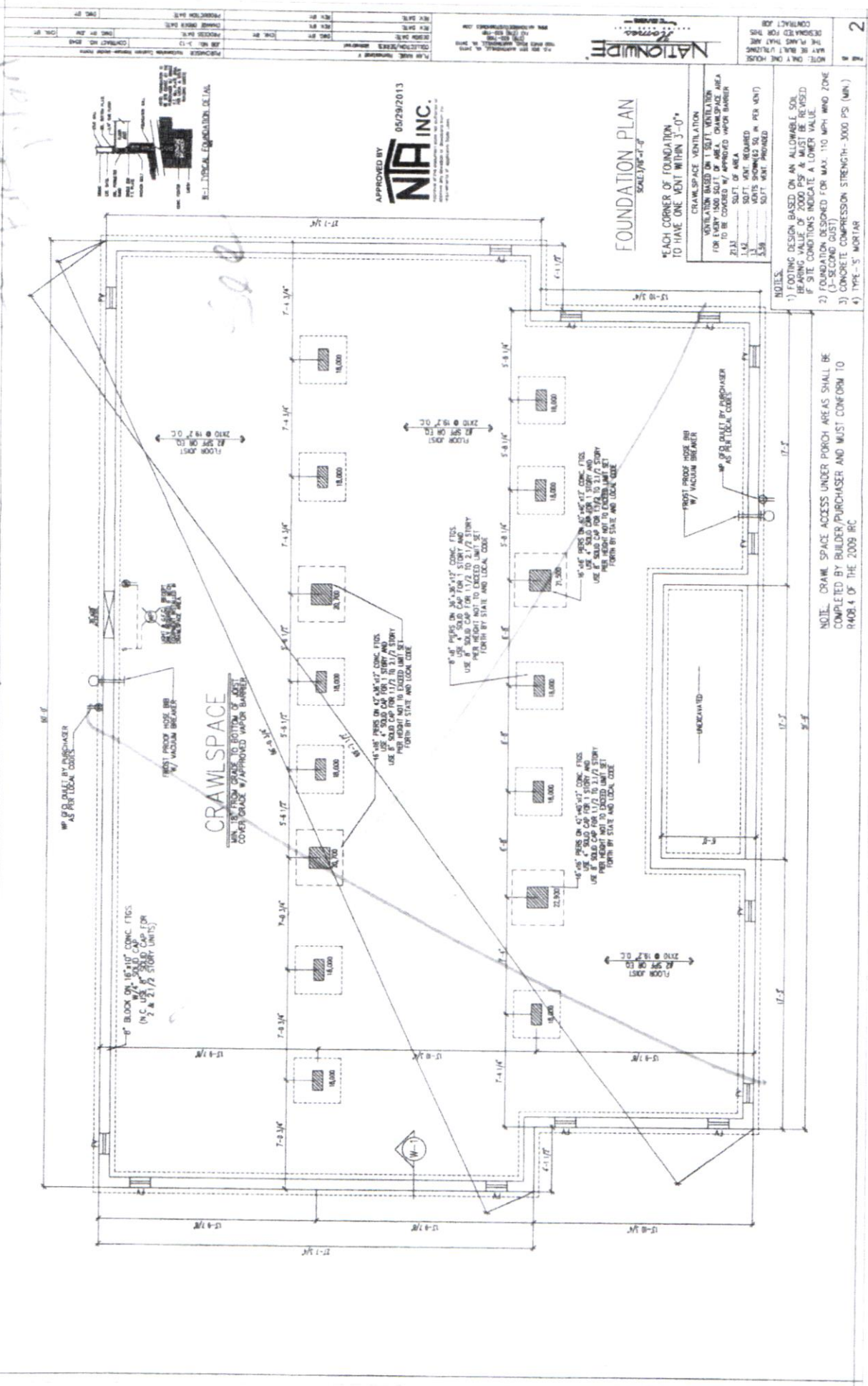
BRICK CASED DIMENSION NOTES: (IMPORTANT)

- AN ALLOWANCE OF 5" MUST BE INCORPORATED TO EACH SIDE OF THE FOUNDATION DIMENSIONS IF BRICK CASED EXTERIOR IS SELECTED. NOTE THAT LIVING UNIT SIZES ARE NOT ADJUSTED. VERIFY DIMENSIONS W/ NATIONWIDE ENGINEERING DEPARTMENT IF CLARIFICATION OF DIMENSIONS ARE NEEDED PRIOR TO CONSTRUCTION.

NATIONWIDE
1000 WEST 10TH AVENUE, SUITE 100
DENVER, CO 80202
TEL: 303.733.1100
WWW.NATIONWIDEHOMES.COM

1
NOTE: ONLY ONE HOUSE
SHALL BE BUILT ON THIS
DESIGNATED LOT.
CONTRACT NO. _____

N/A - Replace w/ proposed Foundation



Revisions By	Date
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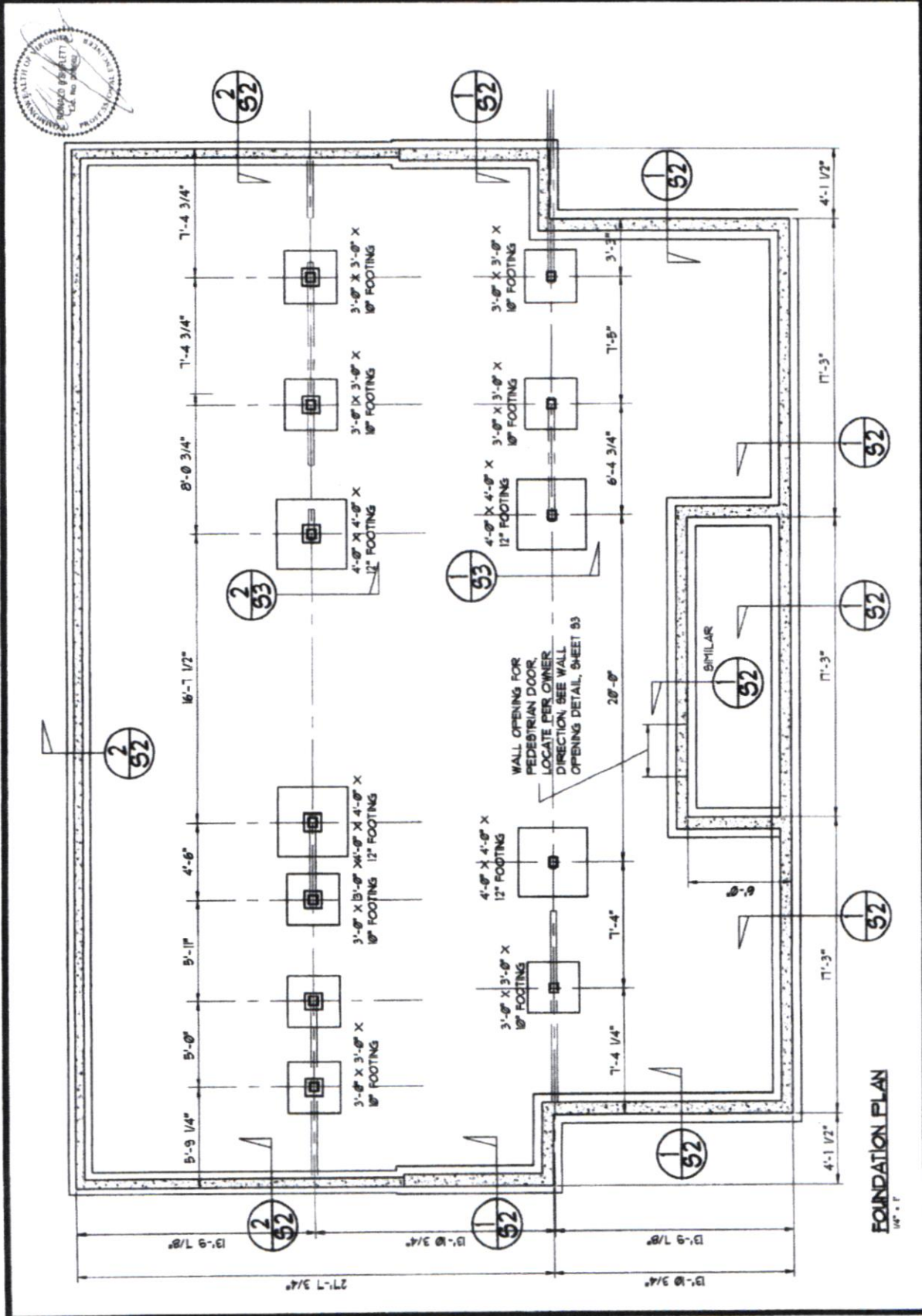
COVENANT Engineering
2738 Colonial Avenue SW, Suite 12, Ross, VA 24015
(540) 345-0000
Email: info@covenanteng.com

FOUNDATION PLAN

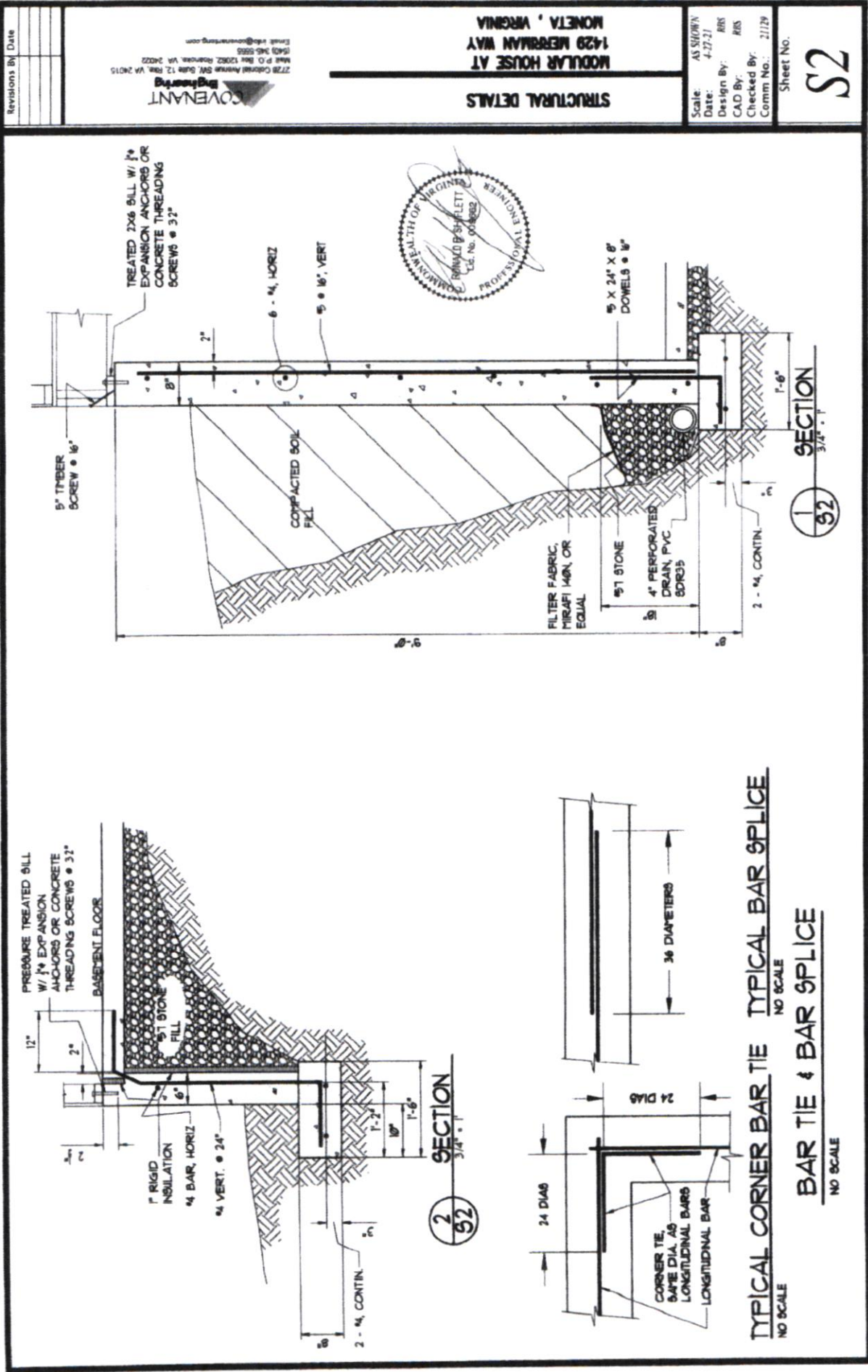
Scale: AS SHOWN
Date: 4-27-21
Design By: RES
CAD By: RES
Checked By:
Comm No.: 21129

Sheet No.

57



Basement Plan 2 of 4



STRUCTURAL DETAILS

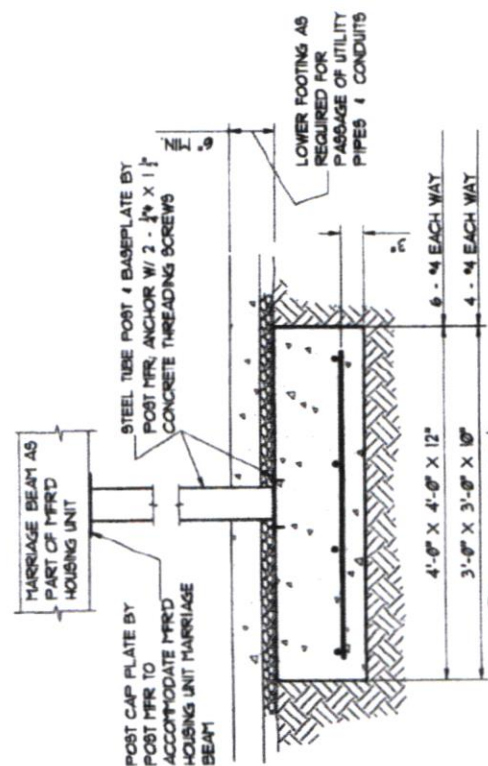
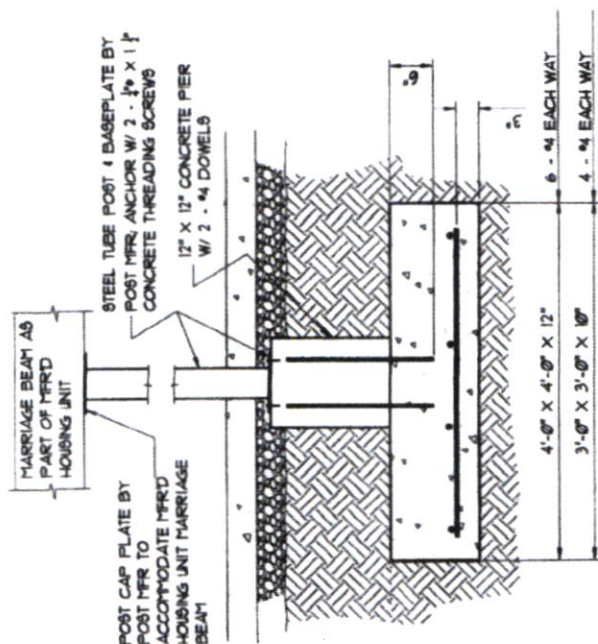
MODULAR HOUSE AT
1429 MERRIAM WAY
MONETA, VIRGINIA

COVENANT
2728 Colonial Avenue SW, Suite 12, Park, VA 24105
Phone: 540.345.5555
Email: info@covenantva.com

Scale: AS SHOWN
Date: 4-27-21
Design By: RRS
CAD By: RRS
Checked By: 2/1/21
Comm No.: 21129

Sheet No. **S2**

Revisions By	Date
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DETAIL
3/4" = 1'

2 DETAIL 3/4" 1"

STRUCTURAL DETAILS

MODULAR HOUSE AT
1429 MERRIAM WAY
MONETA, VIRGINIA

Scale: AS SHOWN
Date: 4-27-21
Design By: RBS
CAD By: RBS
Checked By:
Comm No.: 21129

Sheet No.

3

0-100/57005

Wf Sato drawings



SQUARE FOOTAGE	
FIRST FLOOR SQ. FT.	= 2274
SECOND FLOOR AVAILABLE SQ. FT.	= 1455
TOTAL AVAILABLE SQ. FT.	= 3729

CERTIFICATION INFORMATION	
NOTE-1	NOTE-2
1) DATA PLATE a) 3rd PARTY RESP. LABEL b) STATE LABEL (IF REQ'D) c) REGULATION (NC ONLY)	a) 3rd PARTY RESP. LABEL b) STATE LABEL (IF REQ'D) c) MO / NJ / TN / GA

be done
in accordance
to the plan

WALL NEEDED TO CORNER
1/2" X 2 1/2" X 1/2" AT 12" O.C.
CHAPER 7, 2009 IRC

WOOD STRUCTURAL PANEL
INSTALLATION
TABLE 602.10.2
17 O.C. NOT AT EDGES
2009 IRC

OUTSIDE CORNER DETAIL FOR
CONTINUOUS PANEL SEALING
SECTION R604.2
2009 IRC

WOOD STRUCTURAL PANEL
INSTALLATION
TABLE 602.10.2
17 O.C. NOT AT EDGES
2009 IRC

WALL NEEDED TO CORNER
1/2" X 2 1/2" X 1/2" AT 12" O.C.
CHAPER 7, 2009 IRC

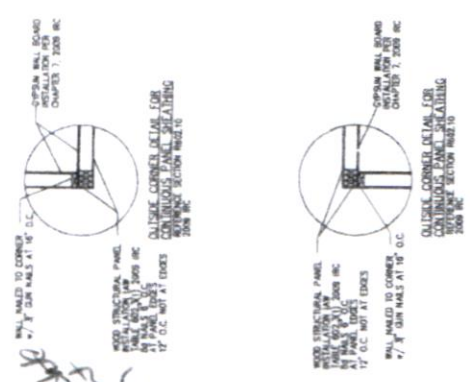
WOOD STRUCTURAL PANEL
INSTALLATION
TABLE 602.10.2
17 O.C. NOT AT EDGES
2009 IRC

OUTSIDE CORNER DETAIL FOR
CONTINUOUS PANEL SEALING
SECTION R604.2
2009 IRC

NOTE:
BRACED WALL METHODS PER 2009 IRC,
TABLE 602.10.2 FOR INTERMITTENT BRACING
- ALL EXTERIOR WALLS SHALL HAVE ENTIRE LENGTH
CONSTRUCTED USING METHOD "WSP" WITH A MINIMUM
THICKNESS OF 1" WOOD STRUCTURAL PANELS TO
HAVE ALLOWABLE SPANS AND INSTALLATION PER
SECTION R604 AND CONNECTION CRITERIA PER
TABLE R602.3(3)
- ALL INTERIOR WALLS SHALL HAVE CONSTRUCTION
USING METHOD "GB" WITH A MINIMUM THICKNESS OF
1/2" GYPSUM BOARD SPANS AND APPLICATION
PER TABLE R702.3(5).

NOTE:
KITCHEN AREA TO HAVE A FIRE EXTINGUISHER,
HAVING A RATING OF 2-A-10-B-C OR BY AN
APPROVED EQUIVALENT TYPE AND SIZE, BE
SUPPLIED AND SITE INSTALLED BY PURCHASER
AS REQUIRED PER 2009 ALIBC SECTION R329.1
COMPLIANCE IS SUBJECT TO INSPECTION AND
APPROVAL BY THE LOCAL JURISDICTION

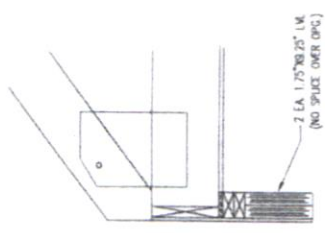
to be signed
in company
to be given



NOTE.

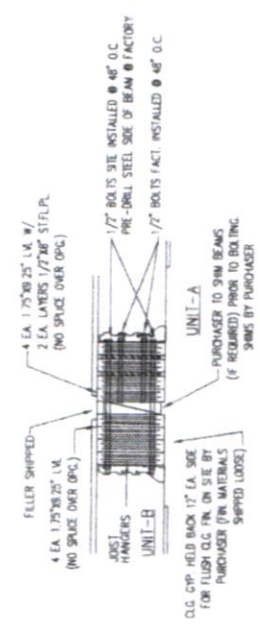
- BRACED WALL METHOD PER 2009 IRC, TABLE R602.10.2 FOR INTERMITTENT BRACING.
- ALL EXTERIOR WALLS SHALL HAVE ENTIRE LENGTH CONSTRUCTED USING METHOD "WB" WITH A MINIMUM THICKNESS OF 1" WOOD STRUCTURAL PANELS TO HAVE ALLOWABLE SPANS AND INSTALLATION PER SECTION R604, AND CONNECTION CRITERIA PER TABLE R602.3(3).
- ALL INTERIOR WALLS SHALL HAVE CONSTRUCTION USING METHOD "GB" WITH A MINIMUM THICKNESS OF 5/8" GYPSUM BOARD SPANS AND APPLICATION PER TABLE R702.3(5).

NOTE: KITCHEN AREA TO HAVE A FIRE EXTINGUISHER, HAVING A RATING OF 2-A:10-B:C OR BY AN APPROVED EQUIVALENT TYPE, AND SHALL BE SUPPLIED AND SITE INSTALLED BY PURCHASER AS REQUIRED PER 2009 VIRC SEC. 6329.1 COMPLIANCE IS SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL JURISDICTION.



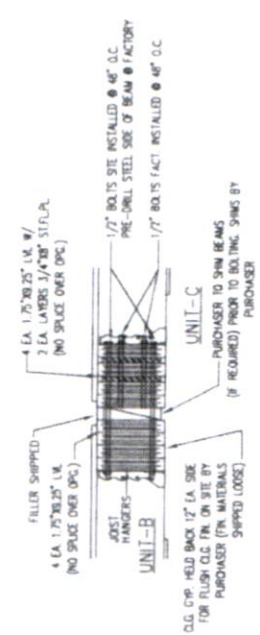
RAISED BEAM DETAIL 1-3

APPROVED BY
NTA INC.
05/29/2013



SEE CONCRETE DETAIL 1-1

SEE CONNECTIONS SHEET FOR ADDITIONAL INSTRUCTIONS



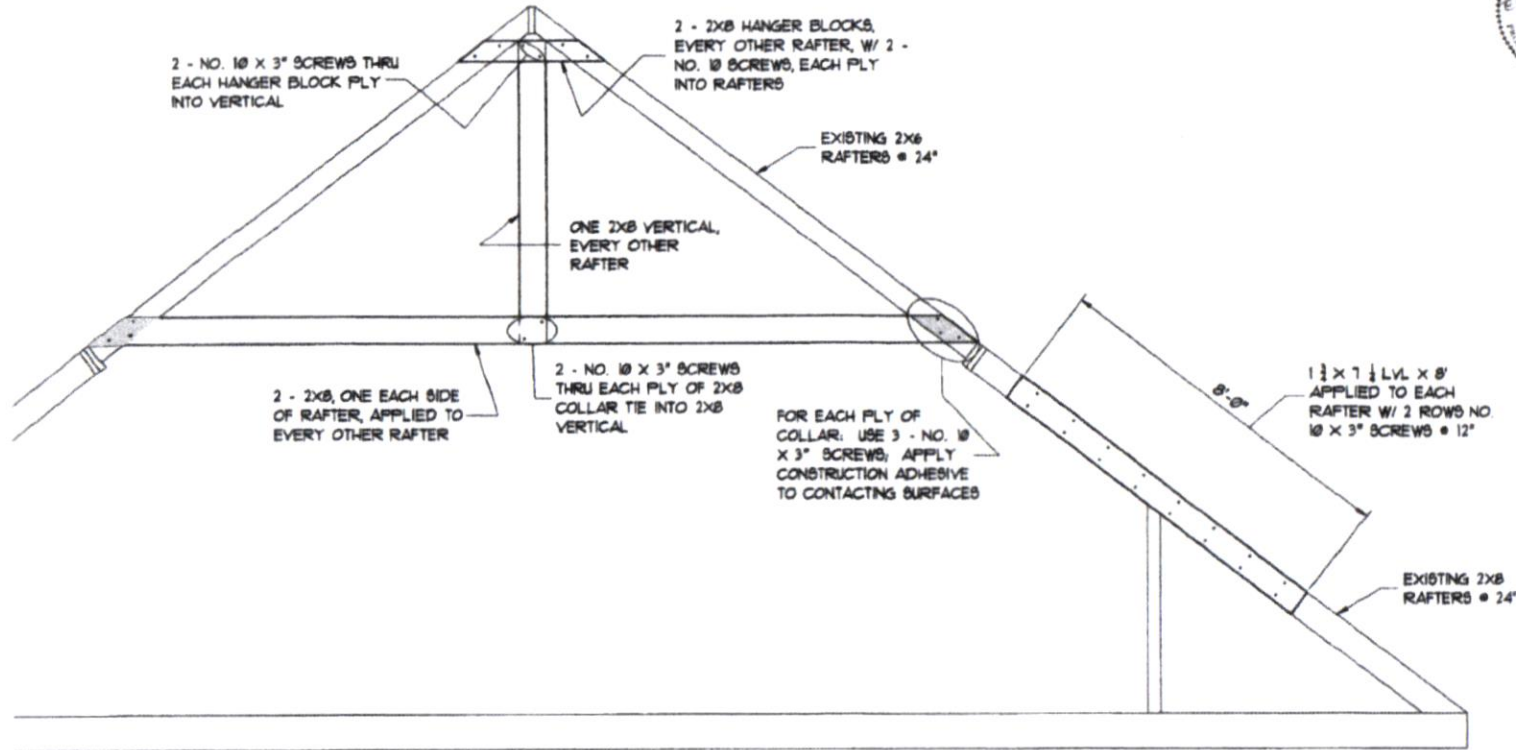
SEE ALTERNATIVE 1-2

SEE CONNECTIONS SHEET FOR ADDITIONAL INSTRUCTION

NATIONWIDE

009 009 009

Engineer's Attic plan



Revisions By	Date

COVENANT Engineering
 2728 Colonial Avenue SW, Suite 12, Reno, VA 24210
 Mail P.O. Box 12002, Roanoke, VA 24002
 (540) 343-0806
 Email: info@covenanteng.com

ROOF FRAMING MODIFICATIONS

**MODULAR HOUSE AT
 1429 MERRIMAN WAY
 MONETA, VIRGINIA**

ROOF FRAMING MODIFICATION

3/8" = 1'

Scale: AS SHOWN
 Date: 8-25-21
 Design By: RBS
 CAD By: RBS
 Checked By:
 Comm No.: 21129

Sheet No.

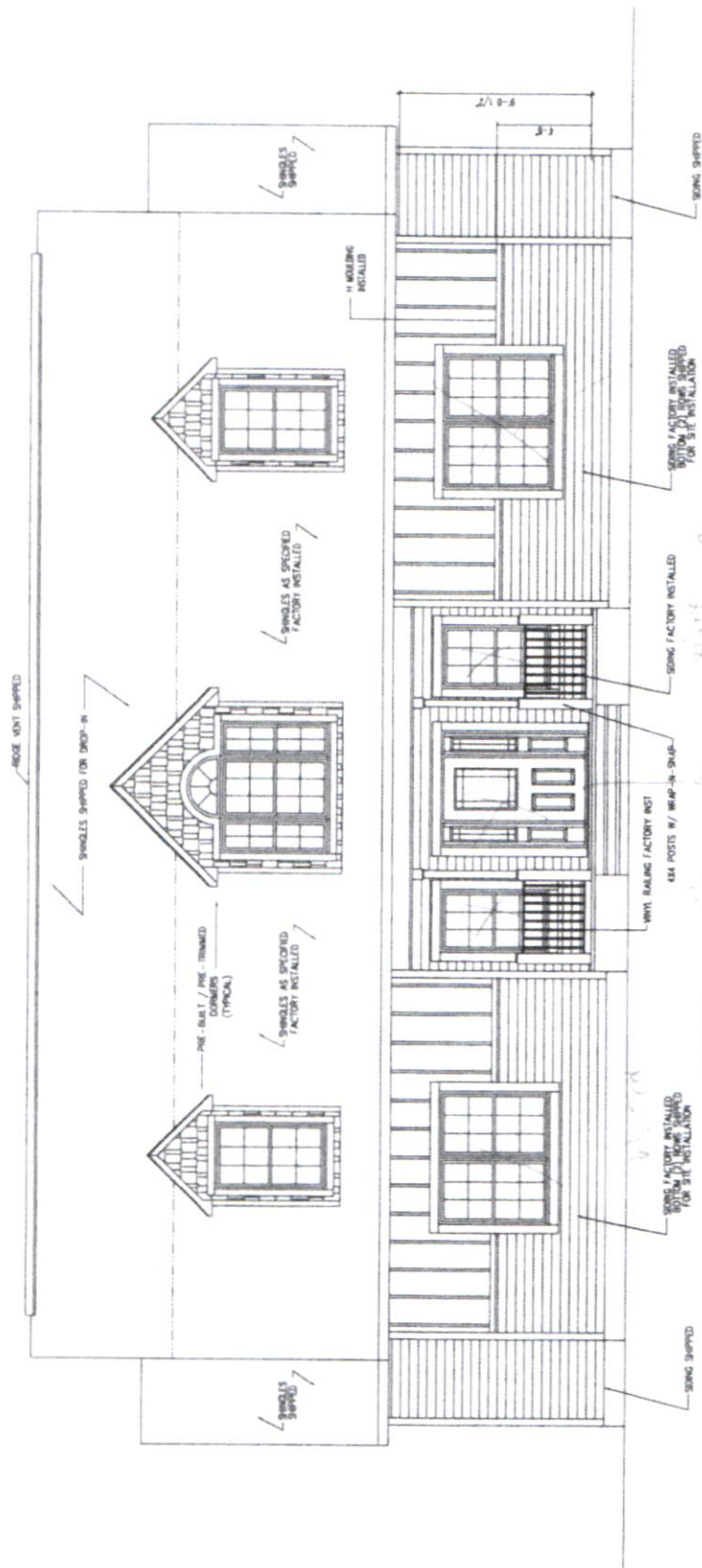
S4

PER IRC SECTION 905.4.3.1.—WHERE APPLICABLE, A FIRE RESISTANCE BARRIER OR FIRE SHIELD ALONG ALL LAYERS SHALL BE INSTALLED FROM THE LOWEST EDGES OF ROOF SURFACES TO A POINT AT A MINIMUM DISTANCE OF 24" INSIDE THE EXTERIOR WALL LINES OF THE BUILDING. COMPLIANCE TO THIS SECTION SHALL BE:

- MINIMUM OF TWO LAYERS OF UNDERLAYMENT CEMENTED TOGETHER, or
- SINGLE LAYER OF SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET

BRIDGE VENT: 139 NET FREE AIR PER SQ.FT.
50 L.F. X 139 S.F. = 6,95 SQ. FT. N.F.A.
VENTILATED SOFT: 041 NET FREE AIR PER SQ.FT.
100 L.F. X 041 S.F. = 4,10 FT. N.F.A.

NOTE: VINYL SIDING, VINYL CONT. PREF. SOFTT,
VINYL FASCIA BOARD, VINYL TRIM AND
ASPHALT SHINGLES.



APPROVED BY

05/29/2013

HIL INC.

FRONT ELEVATION
SCALE 3/16" = 1'-0"

NOTE: ONLY ONE HOUSE
MAY BE BUILT UTILIZING
THE PLANS THAT ARE
DESIGNED FOR THIS
CONTRACT JOB

6
ON 12/14

NATIONWIDE

PGT 12/20/2012 12:00:00 AM
 (01-01-01) (01-01-01)
 (01-01-01) (01-01-01)
 DATE TO 12/20/2012 12:00:00 AM
 DATE TO 12/20/2012 12:00:00 AM

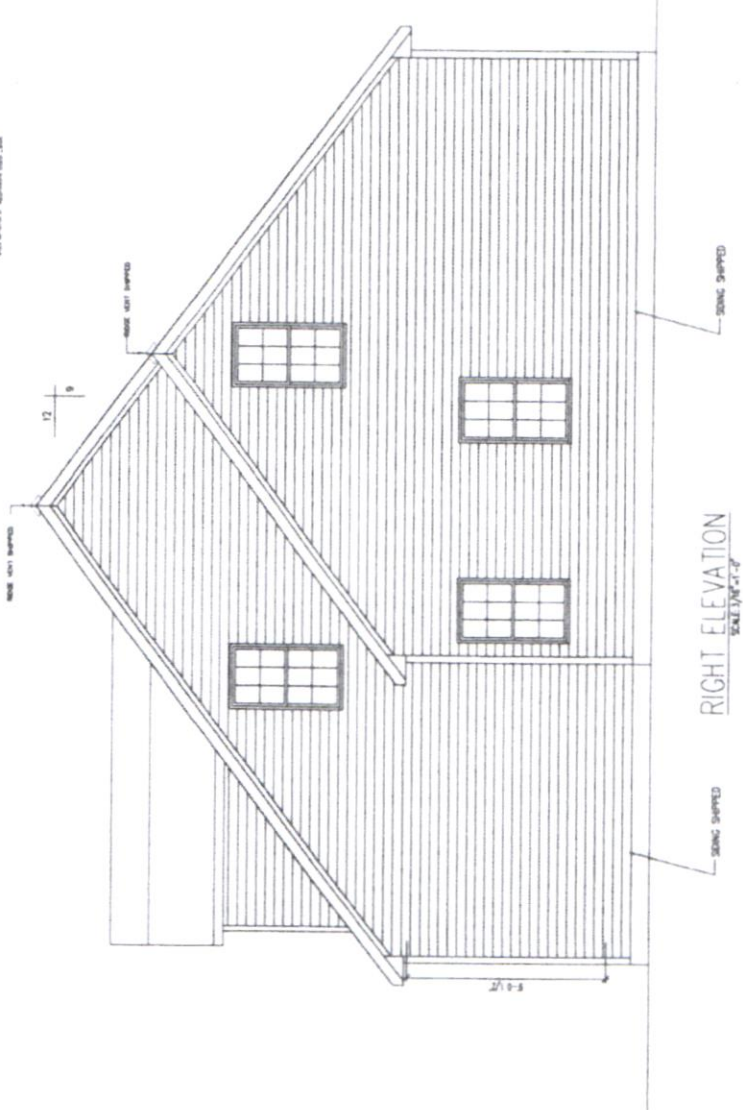
[illegible]

NOT: ONE 1 ONE HOUSE
DESIGNED FOR THIS
CONTRACT JOB

NATIONWIDE

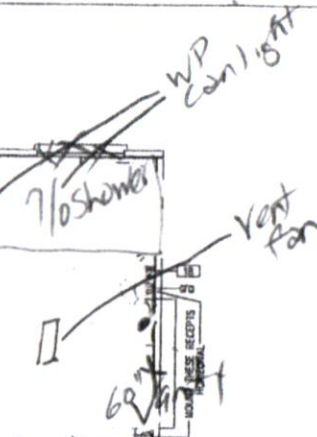
725 8th Street, Suite 100
St. Louis, MO 63101
Tel: 314.444.1111
Fax: 314.444.1112
www.nationwideinc.com

DATE	REV	BY	APP
05/28/2013	01	01	01
05/28/2013	02	01	01
05/28/2013	03	01	01
05/28/2013	04	01	01
05/28/2013	05	01	01
05/28/2013	06	01	01
05/28/2013	07	01	01
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05/28/2013	97	01	01
05/28/2013	98	01	01
05/28/2013	99	01	01
05/28/2013	100	01	01



APPROVED BY
NIA INC.
05/28/2013
NIA INC. is a registered professional architectural firm in the state of Missouri. NIA INC. is not responsible for the construction of the building. The building is the responsibility of the contractor.

X-see porch!



• outlets
 x - int. wall
 x - ext. cell
 C -
 9/17

See porch detail

$$\frac{d}{dt} \left(\frac{y}{x} \right) = \frac{x \frac{dy}{dt} - y \frac{dx}{dt}}{x^2}$$



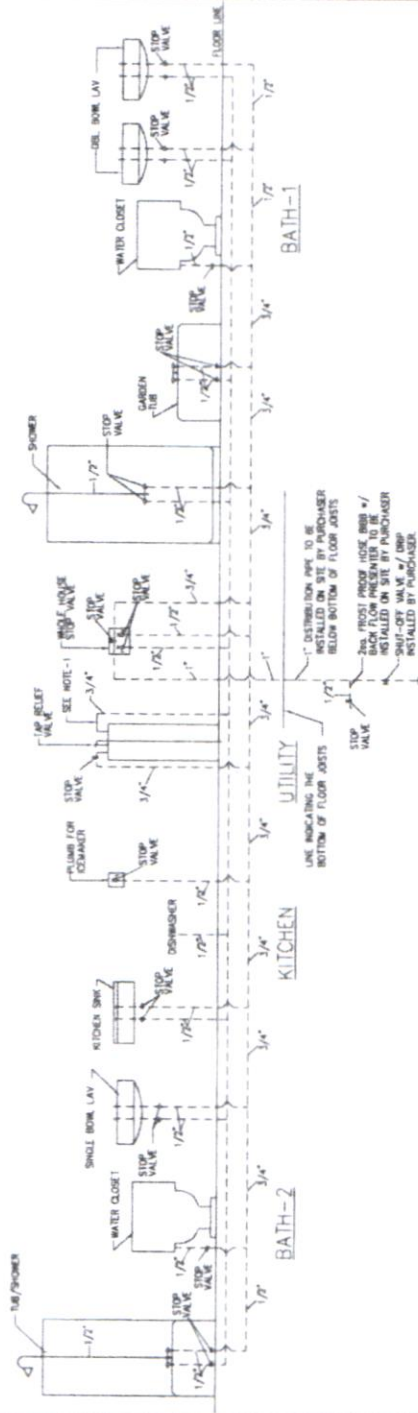
TYPICAL PLUMBING NOTES

- 1) WATER DISTRIBUTION SYSTEM PIPE SHALL BE PEX PIPE (STD) SUPPORTED @ 4'-0" INTERVALS.
- 2) FITTINGS & CONNECTIONS SHALL BE PEX WITH COMPRESSION RINGS INST. PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. FITTINGS VALVES SHALL HAVE COMPRESSION RINGS INST. PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 3) COPPER SUPPLY LINES TO BE INSTALLED A MINIMUM 18" FROM WATER HEATER OUTLET BEFORE CONNECTION TO "PEX" PIPING.
- 4) BUILDER TO INSTALL BACKFLOW PREVENTERS ON EXTERIOR AND/OR OTHER FAULTS WHERE REQ'D BY PLUMBING CODE.
- 5) BUILDING TO SUPPLY & INSTALL COPPER T & P RELIEF LINE OVER AREA SUBJECT TO WATER DAMAGE. BUILDER SHALL INST. A 24 GAUGE GALVANIZED METAL DRAIN PAN #1/2" MIN. 1" DRAIN EXTENDED TO BLDG. BELOW WATER HEATERS.
- 6) AS DICTATED BY THE SERVICE AVAILABLE, THE BUILDER SHALL INSTALL WATER HAMMER ARRESTORS (AIR CHAMBERS, PRESSURE REDUCING VALVES, ETC.) ON THE WATER DISTRIBUTION SYSTEM TO REGULATE THE VELOCITY OF THE FLOW & ELIMINATE THE HYDRAULIC SHOCK OF QUICK-CLOSING VALVES & FAULTS.
- 7) WATER HEATER EQUIPPED W/DIP TUBE TO PREVENT SIPHONING OF WATER FROM TANK BACK INTO WATER SUPPLY LINES.
- 8) ALL WATER HEATER TANKS SHALL BE EQUIPPED WITH DRAIN COCKS AT BASE OF TANK FOR EMPTYING.
- 9) ALL SUPPLY LINES HAN IN LOOP FASHION PER MODULE TO CONNECTION POINT AT WATERLINE. PURCHASER TO MAKE CONNECTION FROM MODULE TO MODULE ON SITE.
- 10) MAXIMUM LENGTH OF INDIVIDUAL DISTRIBUTION LINES SHALL NOT EXCEED 80 FT.

- NOTE: MAXIMUM SPACING OF SUPPORTS FOR PVC/CPVC DRAIN PIPE:
HORIZONTAL: 4'-0" VERTICAL: 10'-0"
- NOTE: FOR PVC 2" DIA. OR LARGER - PLUMBING SUPPORT REQUIRED AT MID-STORY FOR 1 1/2 STORY / 2 STORY / OR 2 1/2 STORY STRUCTURES.
- NOTE: UNLESS OTHERWISE NOTED, STANDARD WATER HEATER IS 50 GAL CAPACITY & DIMENSIONS OF 50" HGT. AND 20" IN DIA.
- NOTE: APPROVED ENGINEERED MECHANICAL WATER HAMMER ARRESTORS FOR QUICK CLOSING VALVES FACTORY INSTALLED WHERE FEASIBLE.
- NOTE: PEX PLUMBING PIPE TO BE SUPPORTED AT 32" INTERVALS AND PROTECTED FROM FREEZING.
- NOTE: PROTECTION FROM FREEZING SHALL COMPLY WITH P2603.6 OF THE 2009 IRC.

NOTE: APPROVED ENGINEERED MECHANICAL WATER HAMMER ARRESTORS FOR ALL QUICK CLOSING VALVES FACTORY INSTALLED WHERE FEASIBLE. APPROVED MECHANICAL WATER HAMMER ARRESTORS FOR ALL QUICK CLOSING VALVES FACTORY INSTALLED WHERE FEASIBLE. APPROVED MECHANICAL WATER HAMMER ARRESTORS FOR ALL QUICK CLOSING VALVES FACTORY INSTALLED WHERE FEASIBLE.

APPROVED BY
NIA INC.
05/29/2013



GENERAL NOTE REGARDING DISHWASHER (D/W):
DISCONNECTING MEANS FOR D/W NOT REQUIRED PER 2008
NEC SECTION 422.34 UNIT SWITCH (ES)

TYPICAL RISER DIAGRAM

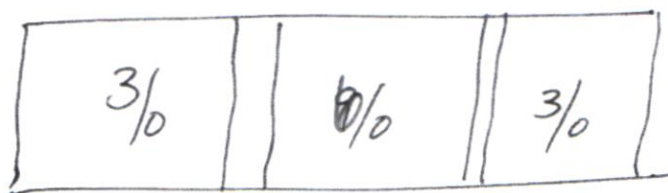
DOOR & WINDOW SCHEDULE

[illegible]

ENTREPRENEUR • NOVEMBER 1988 • VOL. 1, NO. 6 • TEMPERED (GALZING)
PUBLISHED MONTHLY

On page 3 - Notes page 1 - the existing package
has porch entering into foyer - my intent
is to extend foyer to be even with
media and office. (eliminating foyer
wall)
and steps

6/0 Door centered in foyer area
3/0 solid panel each side of door



Basement plan to copy the doors on
the WF side also see p. 3

Nationwide Custom Homes Inc.

1100 RIVES ROAD
MARTINSVILLE, VA. 24115
(276) 632-7100

Model Name and Contract No. : NCH MARTINSVILLE MODEL MS3-13 #8548

Electrical Load Calculations:

General Lighting Load:	3,729 Sq. Ft. @ 3 volts-amperes/ft2	=	11,187 watts
Small Appliance Load: (3 circuits)		=	4,500 watts
Laundry:		=	1,500 watts
Net Load:		=	17,187 watts
Microwave:		=	1,000 watts
Range Load:		=	8,640 watts
Dryer Load:		=	5,600 watts
Dishwasher:		=	1,032 watts
Water Heater: (4500 / 240 * 125%)		=	5,625 watts
Net Load:		=	39,084 watts
10000 watts @ 100%		=	10,000 watts
	39,084 29,084 @ 40%	=	11,634 watts
Net Load:		=	21,634 watts
Heat Pump - 1st floor (3.5 ton) :		=	12,308 watts
Heat Pump - 2nd floor (2.5 ton) :		=	8,820 watts
		=	
Total Load:		=	42,762 watts
Calculated Load for Service:	42,762	=	178 Amperes

General Notes:

1. Any site installed circuits (i.e. basement, heating/cooling, etc.) not to exceed service panel rating of 200 AMP. If additional loads exceed the main panel rating, the purchaser is responsible for site installation of additional panel and/or adequate service entry. All installation to meet **2008 NEC**, subject to inspection by local jurisdiction.

APPROVED BY
 05/29/2013
NIA INC.
Approval of this document does not constitute or
imply endorsement or approval of the
requirements of applicable State Laws.

Engineering Department



REScheck Software Version 4.4.4

Compliance Certificate

Project Title: NCH M'VILLE MODEL MS3-13 #8548

Energy Code: 2009 IECC
Location: Henry County, Virginia
Construction Type: Single Family
Project Type: New Construction
Conditioned Floor Area: 3,729 ft²
Glazing Area Percentage: 15%
Heating Degree Days: 4999
Climate Zone: 4
Permit Date:

Construction Site:

Owner/Agent:

Designer/Contractor:

Compliance: Passes using UA trade-off

Compliance: 7.5% Better Than Code Maximum UA: 385 Your UA: 356

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Floor 1: All-Wood Joist/Truss Over Unconditioned Space	2,274	19.0	0.0		107
Wall 1: Wood Frame, 16" o.c.	1,721	19.0	0.0		88
Window 1: Vinyl Frame Double Pane with Low-E SHGC: 0.28	203			0.360	73
Door 2: Glass SHGC: 0.30	55			0.280	15
Ceiling 1: Raised or Energy Truss	2,274	30.0	0.0		73

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in REScheck Version 4.4.4 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date

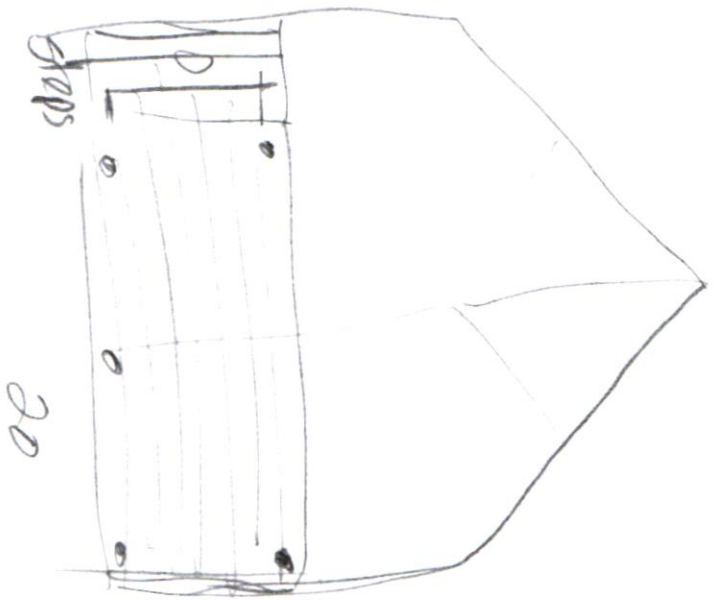
APPROVED BY

NIA INC.

05/29/2013

Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State laws.

Project Title: NCH M'VILLE
Data filename:



RF side roof

up 14' tall
 up from grade 8 pitch roof
 6x6 post to roof
 deck material composite 2x6

See swim spa 1' to 5' -
 on composite concrete pad
 spa to sit on concrete pad
 14' x 52'

Peri Polk to
 covered roof
 Flat under dormer

2x12 rafters
 Flat roof

8' 0" C
 Ret wall under
 concrete pad to
 support swim spa
 4" stone
 4" concrete
 2 levels decking each w/ steps at

2x12 Ledger
 2x6
 2x12 joist
 up to lower level steps

Note: Roof to
 be standing seam
 metal

Bldg Permit # 160206
Approval by SP
Date 5-19-2021



Franklin County

Development Services
Department of Building Inspections

Customer
Copy

Required Inspections

- ☒ **Footing Perimeter** (after excavation and before concrete is placed)
- ☒ **Footing Interior Piers** (after excavation and before concrete is placed)
- ☐ **Footing Interior Load Bearing Walls** (after excavation and before concrete is placed)
- ☐ **Footing Garage** (after excavation and before concrete is placed)
- ☒ **Footing Porch/Deck** (after excavation and before concrete is placed)
- ☒ **Foundation Walls** (Pre-pour inspection with rebar in place)
- ☒ **Structural Reinforcement** Engineered Slabs or Foundation Walls (before concrete is placed)
- ☒ **Temporary Electric Service**
- ☒ **Under Slab Plumbing**
- ☒ **Pre-slab** (after gravel, plastic and R10 insulation are in place, before concrete is placed)
- ☒ **Drain Tile / Foundation** (after damp proofing, gravel, DT pipe and silt fabric are in place.)
- ☒ **Braced Wall Inspection** Required for Portal Frame walls only. (before house wrap and siding are installed)
- ☒ **Building Envelope Air Barrier Inspection** (see the energy code compliance sheet with the approved plans)
- ☒ **Rough In Electric**
- ☒ **Rough In Plumbing**
- ☒ **Rough In Mechanical**
- ☒ **Rough In Gas**
- ☒ **Framing** (after elec. plbg., hvac., fire stopping, draft stopping and windows are installed)
- ☒ **Insulation**
- ☒ **Permanent Power** (house must be dried in and shingles installed)
- ☐ **Flood Plain**.....
- ☒ **Final** (Post 911 address.)

Franklin County performs combination inspections, please group inspections when possible. No component should be concealed without an approved inspection. Inspection request must be in prior to 3:30 the day before to be put on the following day's schedule. Any amendment or revision to the Approved Plans requires an additional review. Approved Plans must be kept at the job site at all times.



Franklin County

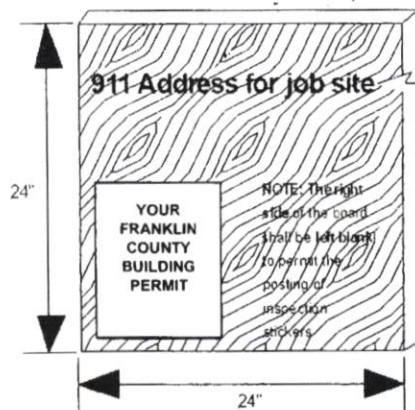
DEVELOPMENT SERVICES
DEPARTMENT OF BUILDING INSPECTIONS

PERMIT POSTING AT A JOB SITE

1. You must post your permit at the jobsite in a location clearly visible from the street. (USBC Section 110.5)
2. **Inspections will not be performed** unless permit is displayed and is clearly visible from the street. If, at the time of the first inspection, you have not received your permit in the mail, **you must still have the sign, with the 911 address, in place.**
3. Your permit must be posted on a minimum two feet (2') by two feet (2') sheet plywood, which must be laid out in compliance with the standard shown in figure 1.
4. For manufactured housing in **mobile home parks**, your permit must be placed either on a sign or in a window facing the street.
5. **Plans that have been approved & stamped by Franklin County Building Inspections shall be on site for use with ALL inspections (USBC 109.5)**
6. If the site is not properly posted before construction begins, or if the approved plans are not available at ANY inspection, a re-inspection fee shall be charged.

NOTE: Store bought job boxes are allowed such as they meet the below requirements for Permit Posting

Layout of Permit Sign



Note: The 911 Address must use a minimum of 3" letters.

1255 FRANKLIN ST., SUITE 103
ROCKY MOUNT, VIRGINIA 24151
540-483-3047
www.franklincountyva.gov

DESIGN INFORMATION

USE GROUP	R-5
CONSTRUCTION	TYPE V-B
FLOOR LOAD(S)	40/10
ROOF LOAD	30/10
SNOW LOAD	30
WIND LOAD (PER UNIT DESIGN)	90 MPH (3-SEC. GUST)
EXPOSURE	B
SEISMIC DESIGN	C

CODE CONFORMANCE

VIRGINIA
2009 INTERNATIONAL RESIDENTIAL CODE (IRC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2008 NATIONAL ELECTRIC CODE (NEC)
2009 VIRGINIA UNIFORM STATEWIDE BUILDING CODE

Permit # 60206
Bailey

FRANKLIN COUNTY
DEPARTMENT OF BUILDING INSPECTIONS
Application No. 2015-0023013

These drawings were prepared in accordance with the current edition of the Virginia Building Code and standards. It is performed as a substitute for potential code compliance issues. It is not a substitute for compliance and does not constitute authority to violate, vary or modify any applicable code requirements. An approved set of these drawings must be present on the job site and available to inspect on personnel. Any revisions or additions to these drawings must be submitted for approval.

Approved: [Signature] Approved subject to review comments
Reviewed by: [Signature]
- PLANS MAY BE REVERSED 3-19-2011
- PLANS MAY BE MASTERED [Signature]

CERTIFICATION INFORMATION

REFER TO "NOTE-1" ON FLOOR PLAN
REFER TO "NOTE-2" ON FLOOR PLAN
CERTIFICATION INFORMATION LOCATED UNDER THE KITCHEN SINK
A) DATA PLATE INSPECTION LABEL
B) NO. IN STATE LABEL
C) STATE LABEL (IF REQ'D)



TYPICAL PLAN AND GENERAL NOTES

- PLANS ARE EXTRACTED FROM APPROVED SYSTEM DOCUMENTATION AND CAN NOT BE MODIFIED OUTSIDE THE PARAMETERS SET FORTH. ANY CHANGES TO PLANS MUST BE APPROVED BY NATIONWIDE CUSTOM HOMES ENGINEERING DEPARTMENT. MINOR CHANGES OR MODIFICATIONS SUBJECT TO THIRD PARTY INSPECTION. PLANS MAY BE REVERSED.
 - IT IS THE PURCHASER'S RESPONSIBILITY TO INSURE THE ATTACHED PLANS CONFORM TO LOCAL ORDINANCES IN RESPECT TO BUILDING SIZE, HEIGHT, SETBACK, OR AESTHETICS WHICH IS ENFORCED BY LOCAL JURISDICTIONS.
 - HOUSE MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE SYSTEMS ARE AVAILABLE.
 - IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER TO INSURE ANY SITE COMPLETION OF AN UNFINISHED AREA MEET LIGHT/VENTILATION, EGRESS, PLUMBING & ELECTRICAL REQUIREMENTS WHICH ARE SUBJECT TO INSPECTION BY LOCAL & OR STATE JURISDICTION.
 - HVAC SYSTEM WILL BE DESIGNED & INSTALLED ON SITE BY OTHERS PER STATE & LOCAL CODES & ENERGY CODES. SUBJECT TO INSPECTION BY LOCAL JURISDICTION.
- IF HVAC SYSTEM INSTALLED IN ATTIC AREA THE BUILDER IS RESPONSIBLE FOR INSTALLING UNIT TO CONDUCE WITH WEIGHT LIMITATIONS IMPOSED BY FACTORY INSTALLED RAILERS.
- BUILDER RESPONSIBLE FOR ENGINEERING RATHER SYSTEM FOR ANY ADDITIONAL LOADS AND IF NEEDED BRACING RAILERS TO ALLOW FOR ADDITIONAL LOADS IMPOSED BY MECHANICAL EQUIPMENT.

ATTIC LIVE LOAD: 20 LBS.

TYPICAL ELECTRICAL NOTES

- ALL BRANCH CIRCUITS SUPPLYING 15 & 20 AMPERE OUTLETS IN BEDROOMS ARE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.
- BASMENT SMOKE DETECTOR WIRE COILED UNDER FLOOR FOR SITE INSTALLATION OF SMOKE DETECTOR BY PURCHASER IN THE BASMENT AREA. SMOKE DETECTORS WIRING FOR SMALL TUBES OPERATION.
- GROUNDING ELECTRODE SYSTEM SITE INSTALLED BY PURCHASER PER STATE & LOCAL CODES SUBJECT TO INSPECTION BY LOCAL JURISDICTION.

TYPICAL PLUMBING NOTES

- ALL SUPPLY, DRAIN, WASTE & VENT LINES TO BE SUPPORTED @ 4'-0" O.C.
- PURCHASER TO SUPPLY & INSTALL ALL DRY & SUPPLY LINE MATERIALS FOR SITE COMPLETION OF PLUMBING CONNECTIONS UNDER FLOOR & BETWEEN 2 STORY STACK-ON SECTIONS. CONNECTIONS TO BE MADE AT WALL ACCESS ON 2 STORES AS NOTED ON THE FLOOR PLAN. ALL DRAIN, SUBJECT TO INSPECTION BY LOCAL JURISDICTION.
- ALL VENTS SHALL TERMINATE MIN. 12" ABOVE THE ROOF.
- ALL FITTINGS, DRAIN WASTE & VENT PIPES SHALL BE PVC/DW PIPE W/ SOLVENT WELDED JOINTS PER MANUF. INSTALLATION INSTRUCTIONS.
- ALL PLUMBING (ON 1ST LEVEL) WILL BE FACTORY INSTALLED TO BOTTOM OF FLOOR JOISTS. PURCHASER RESPONSIBLE FOR PLUMBING COMPLETION TO CONFORM TO CURRENT PLUMBING CODE.
- ALL CLEAN OUTS BY PURCHASER PER CURRENT PLUMBING CODE.
- ALL CLEAN OUTS TO CONFORM TO CURRENT PLUMBING CODE.
- ANTI-SCALD FAUCETS INSTALLED ON ALL SHOWER FAUCETS.
- PURCHASER RESPONSIBLE FOR PRESTRESSING ALL FLOOR OUTLETS AT TUB TRAPS.
- HEATED WATER TO BATHUBS/WHIRLPOOL TUBS LIMITED TO 120 DEGREES F. BY WATER TEMPERATURE LIMITING DEVICE CONFORMING TO CURRENT BLDG. CODE.

TYPICAL FOUNDATION NOTES

- FOOTING NOTES:
- FOOTING DESIGN BASED ON AN ALLOWABLE SOIL BEARING VALUE OF 2000 PSF & MUST BE REVIEWED IF SITE CONDITIONS INDICATE A LOWER VALUE.
 - BOTTOM OF ALL FOOTINGS TO BE BELOW FROST LINE AS DETERMINED BY LOCAL BUILDING CODES.
 - CONCRETE TO DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 PSF.

TYPICAL TERRACE NOTES:

- EXTERIOR CONCRETE TO BE AIR ENTRAINED WITH A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 PSF (OR LOCAL REQUIREMENT)
- 4" CONC. OVER 6"x6" #4 WIRE MESH.
- OFFSET CAP TO CARRY SLAB.
- INSTALL METAL FLASHING BETWEEN CONC. & WOOD MEMBERS.
- TERRACES TO BE CONSTRUCTED AFTER HOUSE IS SET ON FOUNDATION.
- PURCHASER RESPONSIBLE FOR ACCESSIBILITY INTO LIVING UNIT PER STATE & LOCAL CODE.

OPTIONAL BASEMENT NOTES:

- ALL BASEMENT DOORS & WINDOWS ARE SUPPLIED & INSTALLED BY PURCHASER.
- DOOR & WINDOW SIZE & LOCATION SUBJECT TO CHANGE ACCORDING TO SITE CONDITIONS.
- BACKFILL TO BE IN & TAMPED PRIOR TO ARRIVAL OF HOUSE.
- FOUNDATION DRAINAGE & DAMPPROOFING TO CONFORM TO CURRENT BUILDING CODE.
- ALL ELECTRICAL, PLUMBING & MECHANICAL INSTALLATION WITHIN THE BASEMENT ARE THE RESPONSIBILITY OF THE PURCHASER & SUBJECT TO APPROVAL & INSPECTION BY THE LOCAL JURISDICTION.

UNIT FASTENING REQUIREMENTS:

3/8" MESH (3-SEC. GUST) LAGS @ 16" O.C.

- PURCHASER TO TERMINAL PERIMETER OF FLOOR JOIST TO SILL PLATE W/ 1/2" NAILS (NON-CORROSIVE TYPE) @ 16" O.C. FOR THE ENTIRE PERIMETER OF HOUSE.
- NATIONWIDE SET CREW TO BOLT WATING WALL ORDER TOGETHER W/ 1/2" DIA. BOLTS @ 4'-0" +- SPACING. WHEN CONDITIONS DO NOT PERMIT SET CREW TO INSTALL BOLTS DUE TO HEIGHT OR CRANKSPACE CLEARANCE. PURCHASER IS RESPONSIBLE FOR INSTALLATION OF BOLTS.
- SECOND LEVEL OF 2 STORY MODELS TO BE TIED TO THE FIRST LEVEL CEILING PREMIER PLATE W/ 1/2" NAILS @ 16" O.C. FOR THE ENTIRE PERIMETER OF HOUSE.
- PURCHASER TO REFER TO THE "BUILDER RESPONSIBILITY BULLETIN" FOR INSTRUCTION ON JOG SITE PREPARATION & EQUIPMENT NEEDS FOR UNIT SETTING.

AREAS W/ WIND ZONE GREATER THAN 50 MPH (3-SEC. GUST):

- PURCHASER RESPONSIBLE TO SUPPLY & INSTALL ALL FOUNDATION TO UNIT, PLUMB TO UNIT & UNIT TO UNIT WITH THE DOWN STRAPS.
- COMPLETION OF ROOF COMPONENT TO DOWN PER "HIGH WIND CONST." DETAILS IS THE RESPONSIBILITY OF THE PURCHASER.
- PURCHASER RESPONSIBLE FOR ALL PLUMB TYPE FOUNDATION CONST. DESIGN & ENGINEERING & SUBJECT TO APPROVAL & INSPECTION BY LOCAL JURISDICTION.

GENERAL FOUNDATION NOTES:

- PURCHASER TO USE MORTAR TYPE "S" OR "M" FOR FOUNDATION CONSTRUCTION AS REQUIRED BY STATE & LOCAL CODES.
- GROUND SURFACE WITHIN CRANKSPACE AREAS TO BE COVERED WITH APPROVED VAPOR BARRIER TO ALLOW 1/500 VENT REDUCTION AS CALCULATED. VENTS MUST BE LOCATED WITHIN 3'-0" OF EACH CORNER.
- ALL FOUNDATION PLANS ARE SUGGESTIVE ONLY & MUST BE CONST. IN ACCORDANCE WITH STATE & LOCAL CODE REQUIREMENTS.

BRICK CASSED DIMENSION NOTES: (IMPORTANT)

- AN ALLOWANCE OF 5" MUST BE INCORPORATED TO EACH SIDE OF THE FOUNDATION DIMENSIONS IF BRICK CASSED EXTERIOR IS SELECTED. NOTE THAT LIVING UNIT SIZES ARE NOT ADJUSTED. VERIFY DIMENSIONS W/ NATIONWIDE ENGINEERING DEPARTMENT OF CLARIFICATION OF DIMENSIONS ARE NEEDED PRIOR TO CONSTRUCTION.

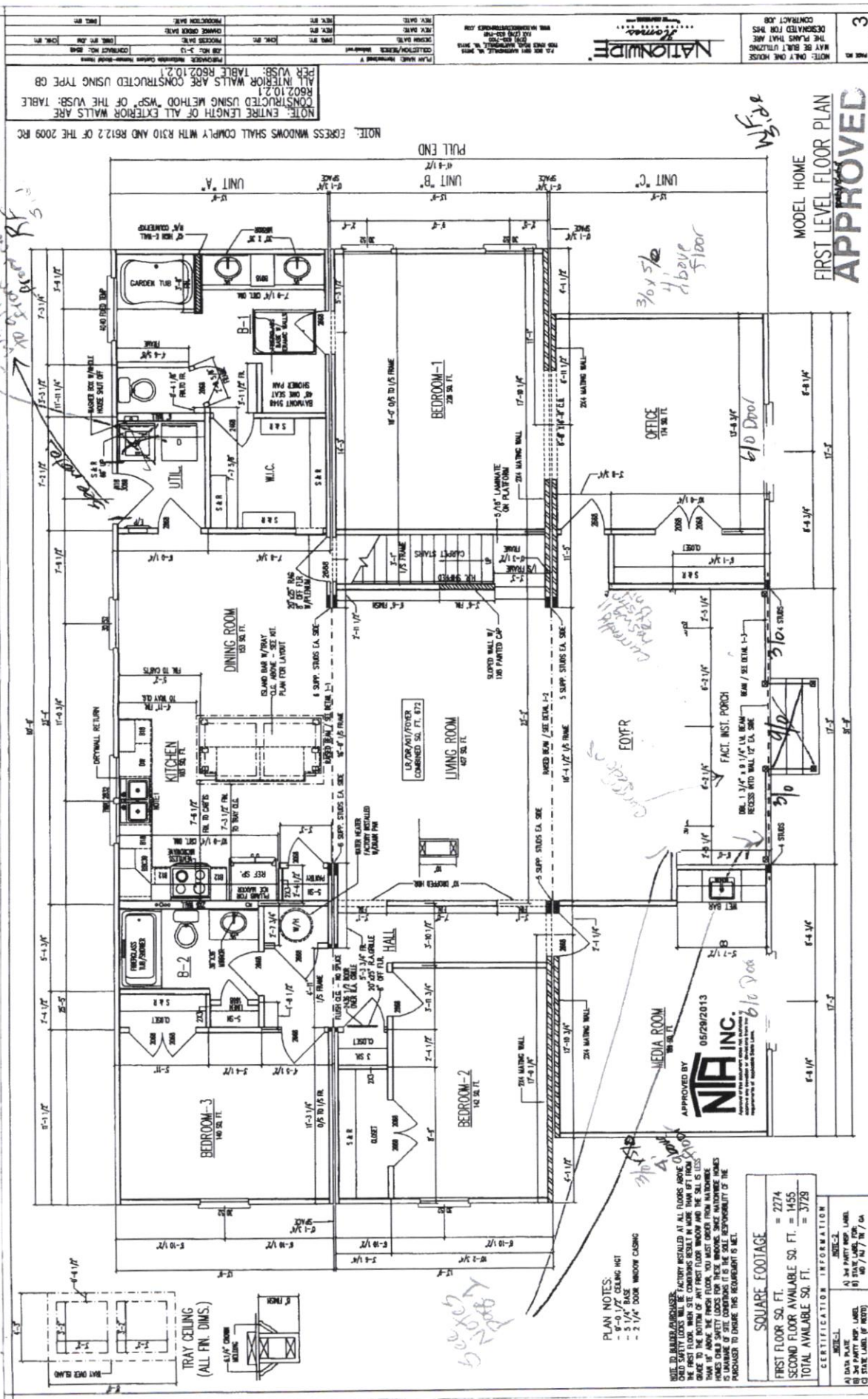
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PAGE 1 OF 23

NOTE: ONLY ONE HOUSE DESIGNED FOR THIS CONTRACT JOB

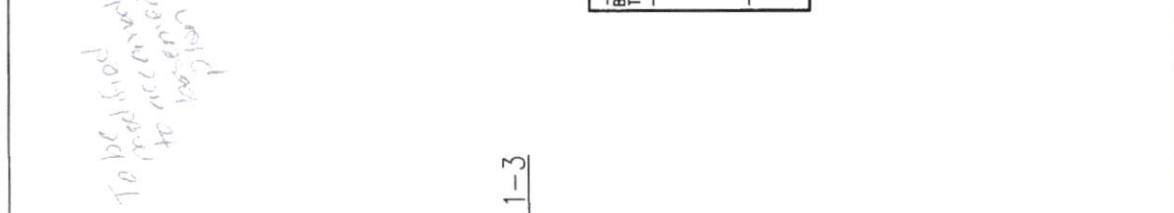
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 10/10/13
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NOTE:
BRACED WALL METHODS PER 2009 IRC
TABLE R602.10.2 FOR INTERMITTENT BRACING:
- ALL EXTERIOR WALLS SHALL HAVE ENTIRE LENGTH CONSTRUCTED USING METHOD "WS" WITH A MINIMUM THICKNESS OF 1" WOOD STRUCTURAL PANELS TO HAVE ALLOWABLE SPANS AND INSTALLATION PER SECTION R604 AND CONNECTION CRITERIA PER TABLE R602.3(3)
- ALL INTERIOR WALLS SHALL HAVE CONSTRUCTION USING METHOD "CS" WITH A MINIMUM THICKNESS OF 1" WOOD STRUCTURAL BOARD SPANS AND APPLICATION PER TABLE R702.3(5)

NOTE:
KITCHEN AREA TO HAVE A FIRE EXTINGUISHER, HAVING A RATING OF 2-A:10-B:C OR BY AN APPROVED EQUIVALENT TYPE AND SHALL BE SUPPLIED AND SITE INSTALLED BY PURCHASER AS REQUIRED PER 2009 VHSBC SECTION R329.1. COMPLIANCE IS SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL JURISDICTION.



RAISED BEAM DETAIL 1-3

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NIA INC.
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RAISED BEAM DETAIL 1-1

SEE CONNECTIONS SHEET FOR ADDITIONAL INSTRUCTIONS



RAISED BEAM DETAIL 1-2

SEE CONNECTIONS SHEET FOR ADDITIONAL INSTRUCTIONS

COLLECTOR/REVENUE	ISS NO.	CONTRACT NO.
DATE REC'D	CHK REC'D	PROCESSED DATE
REC'D DATE	REC'D REC'D	CHARGE CHECK DATE
REC'D DATE	PROCESSED DATE	ISS NO.

210-1

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PAGE 7 OF 23

REAR ELEVATION

2

NOTE: ONLY ONE HOUSE
MAY BE BUILT UTILIZING
THE PLANS THAT ARE
DESIGNATED FOR THIS
CONTRACT JOB

NATIONWIDE
Florida
EST. 1918

NYC KENNEDY AIRPORT
JAN-DEC (A/C) 77/1
DEC-DEC (A/C)
STATE OF NEW YORK
STATE OF NEW YORK

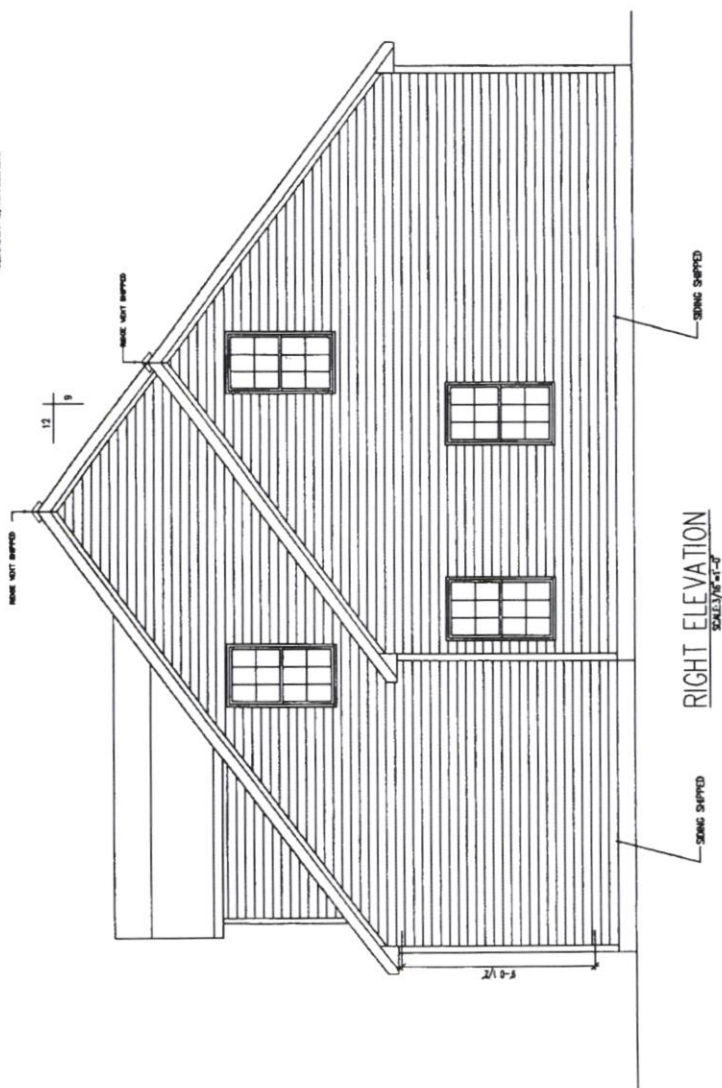
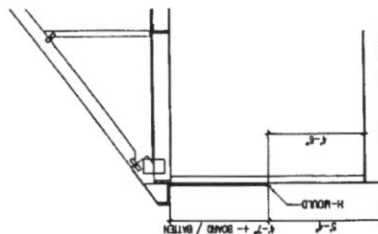
COLLECTION/ISSUES	ISS NO.	CONTACT NO.
DEPT DATE	PROCES DATE	ISS DATE
REQ DT	CORR IN	REQ DT
REV DATE	PROCESSED DATE	PROCESSED DATE
		ISSN IN

NOTE: ONLY ONE HOUSE
MAY BE BUILT UTILIZING
THE PLANS THAT ARE
DESIGNATED FOR THIS
CONTRACT JOB

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PAGE 9 OF 23

NATIONWIDE

REF ID: A68000

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05/29/2013

PIPE SIZE	FALL PER FOOT	DISTANCE TO NEXT FROM SHIP	ALL FACILITY INSTALLED PLUMBING TO CONFORM TO CURRENT PLUMBING CODE (SEE OWNER SHEET)
1 1/2"	1/4"	3 FT. 0 IN.	
1 1/4"	1/4"	5 FT. 0 IN.	
1 1/2"	1/4"	5 FT. 0 IN.	
2"	1/4"	10 FT. 0 IN.	

NOTE: APPROVED CHECKED WATER NUMBER INDICATES FOR USE OF THIS PLUMBING. SEE CURRENT PLUMBING CODES FOR ALL OTHERS. RETURN BY CURRENT CODE PLUMBING CODES.



PEX PLUMBING FOR SUPPLY LINES
 GLUE P-TRAPS AT ALL TUBS AND SHOWERS

REFER TO PLUMBING NOTES ON OWNER SHEET FOR ADDITIONAL INFORMATION

PLAN NAME	DATE	DESIGNED BY	CHECKED BY	DATE	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE SIZE	WIRE COLOR	WIRE LENGTH	WIRE TYPE	WIRE 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THP SERVICE ENTRY INSTALLATION

- 1) 2 EA 2" CONDUIT DROPPED THRU FLOOR FOR SITE ELECTRICAL INSTALLATION BY OTHERS
- 2) METER BASE BY OTHERS TO BE LOCATED WITHIN 30' OF ELIC PANEL SUB-OUT.
- 3) CHECK LOCAL CODE & POWER CO. REQUIREMENTS FOR ADDITIONAL SITE RELATED INSTALLATION.
- 4) CIRCUIT BREAKERS SUPPLIED AND SITE INSTALLED BY THE PURCHASER AT UNFINISHED AREA'S



UPPER LEVEL BREAKERS TO BE SITE SUPPLIED AND INSTALLED BY PURCHASER

APPROVED BY

05/28/2013

NTA INC.

PLUMBING SCHEMATIC

APPROVED

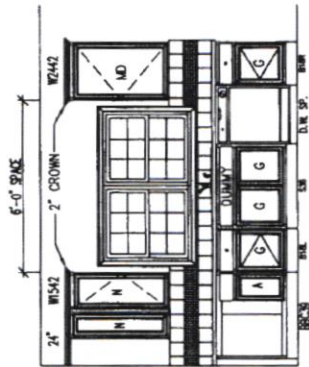
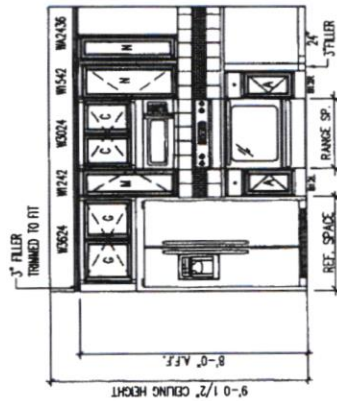
PAGE 11 OF 20

NOTE: ONLY ONE HOUSE PERSONNEL FOR THIS CONTRACT JOB

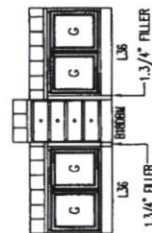
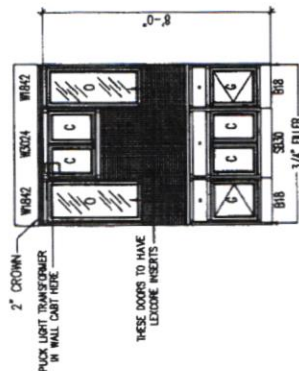
THE PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE PLUMBING CODES AND THE NATIONAL PLUMBING INSTITUTE (NPI) STANDARDS.

THE PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE PLUMBING CODES AND THE NATIONAL PLUMBING INSTITUTE (NPI) STANDARDS.

- 1) CABINET CONFIGURATION MAY VARY TO CABINET STYLE SELECTED
- 2) MIN. 30" CLEARANCE BETWEEN RANGE AND COMBUSTIBLE SURFACE ABOVE
- 3) MIN. 1" CLEARANCE FROM RANGE EXHAUST VENT TO COMBUSTIBLE MATERIAL
- 4) NO FLAMELESS RANGE HOOD UNLESS OTHERWISE NOTED.



KITCHEN CABINET LAYOUT

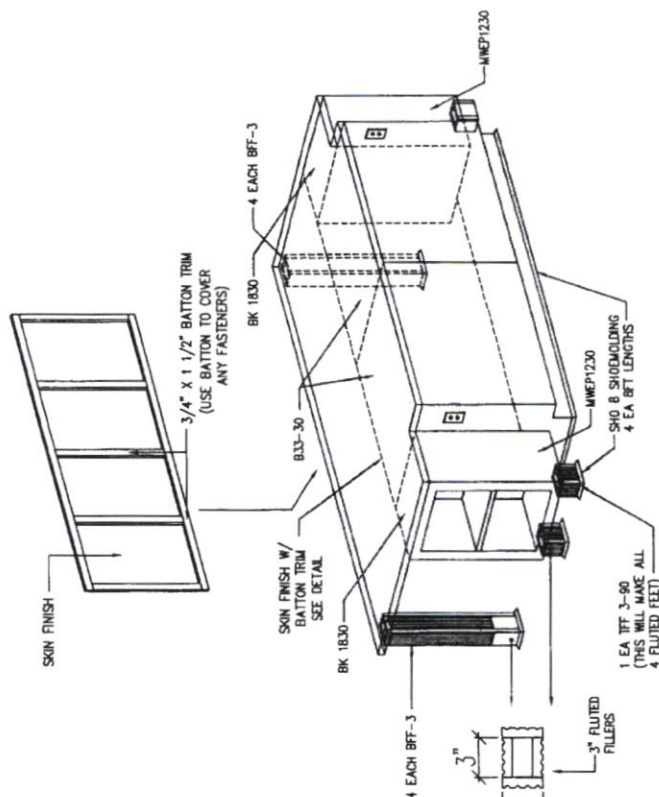


WET BAR

BATH-2

BATHROOM CABINETS

APPROVED BY
NTA INC.
05/29/2013



ISLAND BAR DETAIL

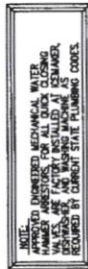
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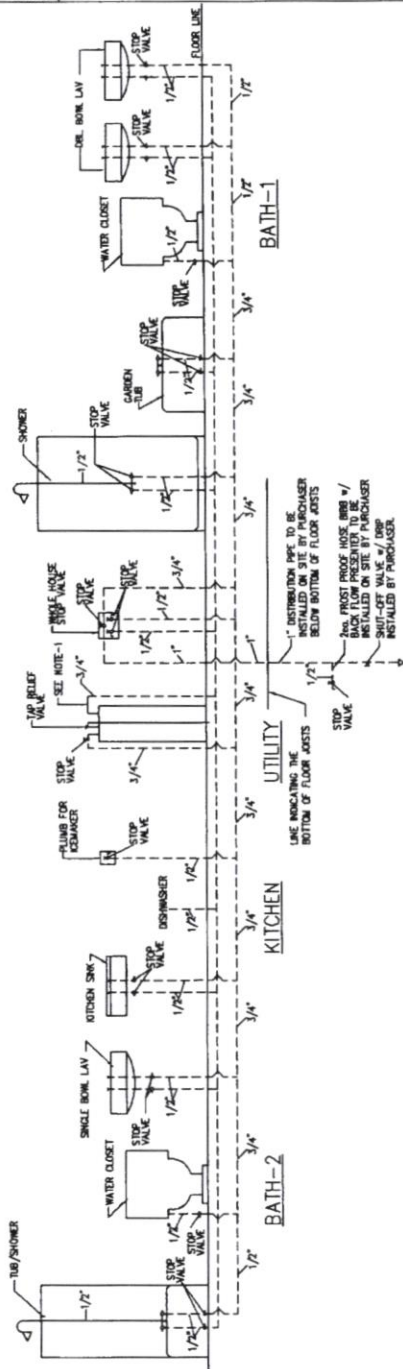
TYPICAL PLUMBING NOTES

- 1) WATER DISTRIBUTION SYSTEM PIPE SHALL BE PEX PIPE (STD) SUPPORTED @ 4'-0" INTERVALS.
- 2) FITTINGS & CONNECTIONS SHALL BE PEX WITH COMPRESSOR FITTINGS. SYSTEM WATER PRESSURE SHALL NOT EXCEED 80 PSI. VALVES SHALL HAVE COMPRESSOR CONNECTION FITTINGS INSTALLED PER MANUFACTURER'S INST. INSTRUCTIONS.
- 3) COPPER SUPPLY LINES TO BE INSTALLED A MINIMUM 1/8" FROM WATER HEATER OUTLET BEFORE CONNECTION TO PEX.
- 4) PEX PIPING SHALL BE INSTALLED WITH BROOMER ON EXTERIOR BUILDING TO SUPPLY & INSTALL COPPER T & P RELIEF LINE AND/OR OTHER FAUCETS WHERE REQUIRED BY PUMPING CODE.
- 5) BUILDING TO SUPPLY & INSTALL COPPER T & P RELIEF LINE AND EXTEND TO BUILDING EXTERIOR.
- 6) OVER AREA SUBJECT TO WATER DAMAGE, BUILDER SHALL INST. A 24 GAUGE GALVANIZED METAL WATER HEATER WITH 1" AS REQUIRED BY THE SERVICE AVAILABLE. THE BUILDER SHALL INSTALL WATER HAMMER ARRESTORS (AIR CHAMBERS, PRESSURE REDUCING VALVES, ETC.) ON THE WATER DISTRIBUTION SYSTEM TO REGULATE THE VELOCITY OF THE FLOW & LESSEN THE HYDRAULIC SHOCK OF QUICK-CLOSING VALVES.
- 7) WATER HEATER EQUIPPED WITH TUBE TO PREVENT SPILLING OF WATER FROM TANK BACK INTO WATER SUPPLY LINES.
- 8) ALL WATER HEATER TANKS SHALL BE EQUIPPED WITH DRAIN COOKS AT BASE OF TANK FOR EMPTYING.
- 9) ALL SUPPLY LINES RAN IN LOOP FASHION PER MODULE TO CONNECTION POINT AT WATER HEATER. BUILDER TO MAKE CONNECTION FROM MODULE TO MODULE ON SITE.
- 10) MAXIMUM LENGTH OF INDIVIDUAL DISTRIBUTION LINES SHALL NOT EXCEED 60 FT.

- NOTE: MAXIMUM SPACING OF SUPPORTS FOR PVC/DMV DRAIN PIPE:
HORIZONTAL: 4'-0" VERTICAL: 10'-0"
- NOTE: FOR PVC 2" DIA OR LARGER - PLUMBING SUPPORT REQUIRED AT MID-STORY FOR 1 1/2 STORY / 2 STORY / OR 2 1/2 STORY STRUCTURES.
- NOTE: UNLESS OTHERWISE NOTED, STANDARD WATER HEATER IS 50 GAL CAPACITY +/- DIMENSIONS OF 50" HOT, AND 20" IN DIA.
- NOTE: APPROVED ENGINEER MECHANICAL WATER HAMMER ARRESTERS FOR QUICK CLOSING VALVES FACTORY INSTALLED WHERE FEASIBLE.
- NOTE: PEX PLUMBING PIPE TO BE SUPPORTED AT 32" INTERVALS AND PROTECTED FROM FREEZING.
- NOTE: PROTECTION FROM FREEZING SHALL COMPLY WITH P2603.6 OF THE 2009 IRC.



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05/29/2013
NIA INC. IS A REGISTERED PROFESSIONAL ENGINEERING FIRM IN THE STATE OF CALIFORNIA. LICENSE NO. 44567. NIA INC. IS NOT A PLUMBING CONTRACTOR. THIS DOCUMENT IS NOT A PLUMBING SPECIFICATION. IT IS A GENERAL NOTE FOR INFORMATION ONLY. IT DOES NOT REPLACE THE PLUMBING SPECIFICATION. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE PLUMBING CODES AND STANDARDS. IT IS THE RESPONSIBILITY OF THE ARCHITECT TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE ARCHITECTURAL CODES AND STANDARDS. IT IS THE RESPONSIBILITY OF THE OWNER TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE OWNER'S REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE PLUMBING CODES AND STANDARDS. IT IS THE RESPONSIBILITY OF THE ARCHITECT TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE ARCHITECTURAL CODES AND STANDARDS. IT IS THE RESPONSIBILITY OF THE OWNER TO OBTAIN THE NECESSARY PERMITS AND TO FOLLOW THE OWNER'S REQUIREMENTS.



GENERAL NOTE REGARDING DISHWASHER (D/W):
DISCONNECTING MEANS FOR D/W NOT REQUIRED PER 2008
NEC SECTION 422.34 UNIT SWITCH (ES)

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TYPICAL RISER DIAGRAM

DATE: 05/29/2013	PROJECT: 422.34 UNIT SWITCH (ES)	DESIGNED BY: NIA INC.	DATE: 05/29/2013
APPROVED BY: NIA INC.	PROJECT: 422.34 UNIT SWITCH (ES)	DESIGNED BY: NIA INC.	DATE: 05/29/2013
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APPROVED BY: NIA INC.	PROJECT: 422.34 UNIT SWITCH (ES)	DESIGNED BY: NIA INC.	DATE: 05/29/2013

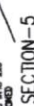
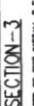
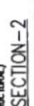
END = 9"	ENDER = 8 1/4" (MAX)
-NC-MD-WV-PA-OH	
END = 9"	ENDER = 7 3/4" (MAX)
A-FL-KY-IN	
END = 10"	ENDER = 7 3/4" (MAX)

NTA INC.
05/29/2013

TYPICAL BASEMENT SECTION

[illegible]

11. IS PAPER/BOARD REQUIRED FOR STICKING WALL UNITS TO FRAMEWORK AND MODULAR UNITS? IF YES, WHAT TYPE OF PAPER/BOARD IS REQUIRED? IF YES, WHAT TYPE OF MODULAR UNITS, FOR HIGH AND PRESSURE CORRUPTION MATERIAL AND ENGINEERING IS THE POSSIBILITIES OF THE PURCHASER
12. ALL PLANS FORMATION SHALL BE CHECKED BY PURCHASER
13. IS THERE ANY SPECIAL WALL DETAILS WITH A "SPURD WALL"
14. MATERIAL SYSTEM IS USED
15. ALL MATERIALS LISTED ABOVE REPRESENTS MANUFACTURE NAME STANDARD CONSTRUCTION
16. THE PURCHASER WILL BE RESPONSIBLE FOR THE SUPPLY OF THE MATERIALS FOR THE PRODUCTION ORDER AND/OR PLANS, AND NOT ON THE OTHER SIDE
17. IS THERE ANY SPECIAL WALL DETAILS WITH A "SPURD WALL"
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DOOR & WINDOW SCHEDULE

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NTA
INC.
05/29/2013

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NATIONWIDE
Stores

EXTENDING SHOP INTERIOR		
DOCK #	GLASS AREA	FLOOR AREA
#100	0.56	7.00
#101	0.5	6.50
#103	0.77	12.13
#104	0.56	10.75
#108	0.26	79.13
#110	0.29	78.13
#111	0.29	78.13
#112	0.29	78.13
#125	0.44	108.00
#126	0.44	108.00
#127	0.5	69.75
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APPROVED

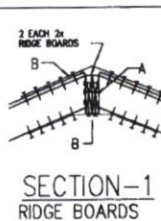
NON-CORROSION REQUIREMENTS

WHEN STATE OR LOCAL JURISDICTION REQUIRES THE USE OF NON-CORROSION FASTENERS, STRAPS, PLATES, HANGERS, ETC., IN NON-CONDITIONED SPACES OR EXPOSED AREAS, DUE TO HOME SITES BEING IN A COASTAL AREA, ALL FASTENERS, STRAPS, PLATES, HANGERS, ETC., MUST BE NON-CORROSION. SITE INSTALLATION IS RESPONSIBLE TO NOTIFY WHEN ABOVE OPTION IS REQUIRED. ALL SITE INSTALLED STRAPPING SHIPPED LOOSE FOR INSTALLATION BY THE PURCHASER. ALL SITE WORK IS SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL JURISDICTION.

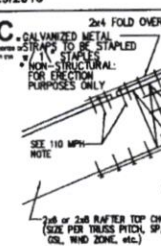
NOTE: SIZE COVER SHEET AND FLOOR PLAN FOR WIND ZONE, SPEED AND EXPOSURE CATEGORY.



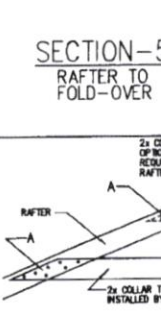
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05/29/2013



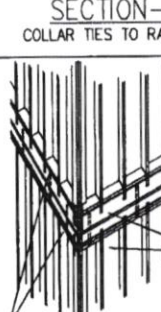
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RIDGE BOARDS



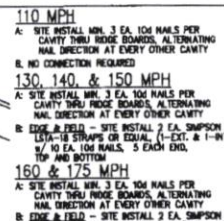
SECTION-2
KNEEWALL TO RAFTER



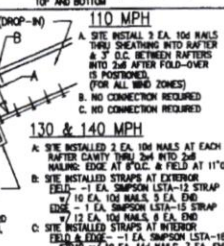
SECTION-3
KNEEWALL TO CEILING JOIST



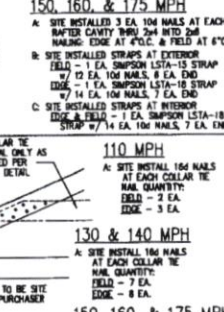
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OVERHANG DETAIL



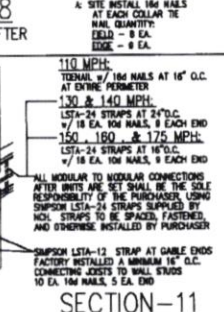
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RAFTER TO FOLD-OVER



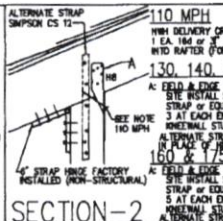
SECTION-6
MATING WALL TO CEILING JOIST



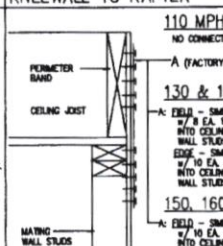
SECTION-7
GABLE END MATING WALL CONNECTIONS



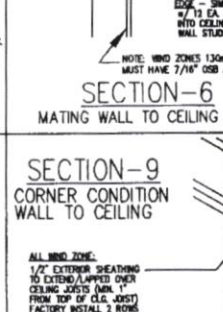
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COLLAR TIES TO RAFTER



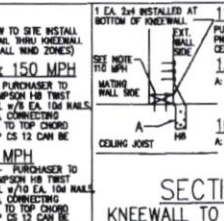
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CORNER CONDITION WALL TO CEILING



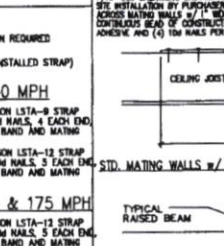
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CORNER CONDITION WALL TO FLOOR



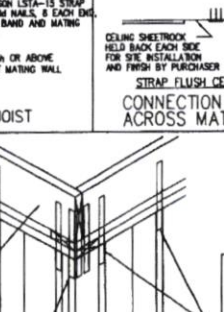
SECTION-11
TWO STORY STACK-ON CONNECTIONS



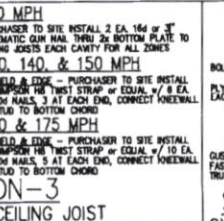
SECTION-12
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



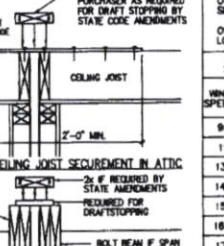
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



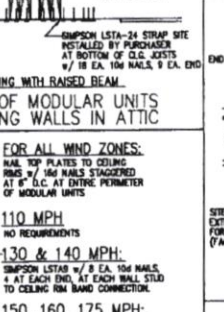
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



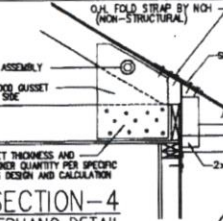
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



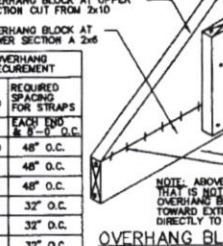
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



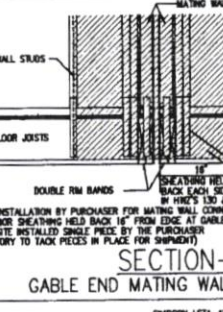
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



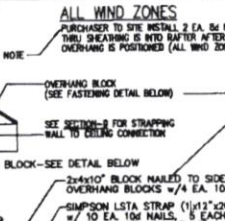
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



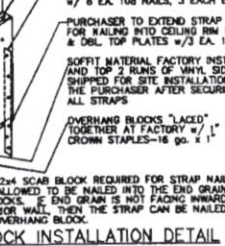
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WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



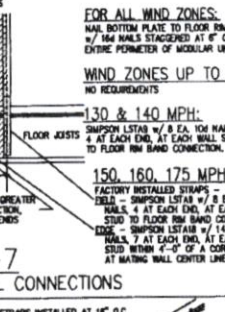
SECTION-20
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



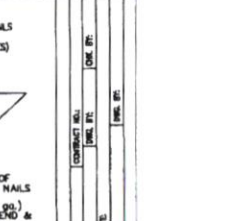
SECTION-21
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



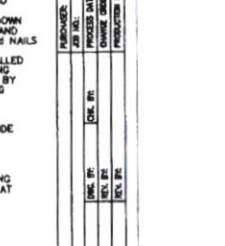
SECTION-22
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



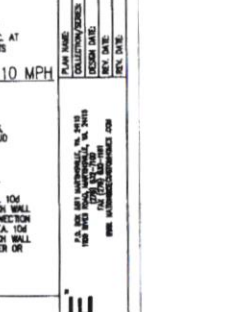
SECTION-23
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



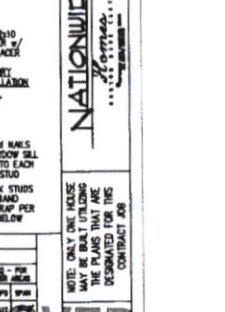
SECTION-24
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



SECTION-25
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



SECTION-26
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING



SECTION-27
WINDOW & DOOR ROUGH OPENING SPAN CHART FOR STRAPPING

Nationwide Custom Homes Inc.

1100 RIVES ROAD
MARTINSVILLE, VA. 24115
(276) 632-7100

Model Name and Contract No. : NCH MARTINSVILLE MODEL MS3-13 #8548

Electrical Load Calculations:

General Lighting Load:	3,729 Sq. Ft. @ 3 volts-amperes/ft2	=	11,187 watts
Small Appliance Load: (3 circuits)		=	4,500 watts
Laundry:		=	1,500 watts
Net Load:		=	17,187 watts

Microwave:		=	1,000 watts
Range Load:		=	8,640 watts
Dryer Load:		=	5,600 watts
Dishwasher:		=	1,032 watts
Water Heater: (4500 / 240 * 125%)		=	5,625 watts
Net Load:		=	39,084 watts

10000 watts @ 100%		=	10,000 watts
	39,084	29,084 @ 40%	= 11,634 watts
Net Load:		=	21,634 watts

Heat Pump - 1st floor (3.5 ton) :		=	12,308 watts
Heat Pump - 2nd floor (2.5 ton) :		=	8,820 watts
		=	
Total Load:		=	42,762 watts

Calculated Load for Service:	42,762	=	178 Amperes
-------------------------------------	--------	---	--------------------

General Notes:

1. Any site installed circuits (i.e. basement, heating/cooling, etc.) not to exceed service panel rating of 200 AMP. If additional loads exceed the main panel rating, the purchaser is responsible for site installation of additional panel and/or adequate service entry. All installation to meet 2008 NEC, subject to inspection by local jurisdiction.

APPROVED BY
NIA INC. 05/29/2013
Approval of this document does not authorize or approve any deviation or alterations from the requirements of applicable State Laws.

Engineering Department

APPROVED
PAGE 17 OF 25



REScheck Software Version 4.4.4 Compliance Certificate

Project Title: NCH M'VILLE MODEL MS3-13 #8548

Energy Code: 2009 IECC
Location: Henry County, Virginia
Construction Type: Single Family
Project Type: New Construction
Conditioned Floor Area: 3,729 ft²
Glazing Area Percentage: 15%
Heating Degree Days: 4999
Climate Zone: 4
Permit Date:

Construction Site:

Owner/Agent:

Designer/Contractor:

Compliance: Passed using UA trade-off

Compliance: 7.5% Better Than Code

Maximum UA: 385 Your UA: 356

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Floor 1: All-Wood Joist/Truss Over Unconditioned Space	2,274	19.0	0.0		107
Wall 1: Wood Frame, 16" o.c.	1,721	19.0	0.0		88
Window 1: Vinyl Frame Double Pane with Low-E SHGC: 0.28	203			0.360	73
Door 2: Glass SHGC: 0.30	55			0.280	15
Ceiling 1: Raised or Energy Truss	2,274	30.0	0.0		73

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in REScheck Version 4.4.4 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title

Signature

Date

APPROVED BY

NIA INC.

05/29/2013

Approval of this document does not constitute or approve any deviation or deviations from the requirements of applicable State Law.

PAGE 18 OF 23
APPROVED

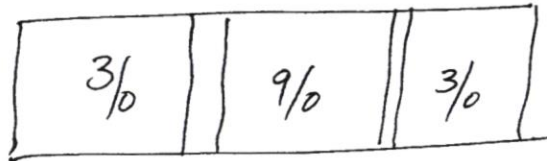
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Data filename: H:\Shared Files - Engineering\Approvals\Thermal Calc\Reports\Models by State\Virginia\NCH M'VILLE MODEL MS3-13 #8548.rck

Report 05/21/13

Page 1 of 18

on page 3 - Notes page 1 - the existing package
has porch entering into foyer - my intent
is to extend foyer to be even with
media and office. (eliminating foyer
wall)
and steps

9/0 Door centered in foyer area
3/0 solid panel each side of door



Basement plan to copy the doors on
the WF side also see p. 3

DESIGN INFORMATION		TYPICAL FOUNDATION NOTES	
USE GROUP	R-5	FOOTING NOTES:	
CONSTRUCTION	TYPE V-B	1. FOOTING DESIGN BASED ON AN ALLOWABLE SOIL BEARING VALUE OF 2000 PS & MUST BE REVISED IF SITE CONDITIONS INDICATE A LOWER VALUE.	
FLOOR LOAD(S)	40/10	2. BOTTOM OF ALL FOOTINGS TO BE BELOW FIRST LINE AS DETERMINED BY LOCAL BUILDING CODES	
ROOF LOAD	30/10	3. CONCRETE TO DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 PS	
SNOW LOAD	30	TYPICAL TERRACE NOTES:	
WIND LOAD	90 MPH (3-SEC. GUST)	1. EXTERIOR CONCRETE TO BE AIR ENTRAINED WITH A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 PS (OR LOCAL REQUIREMENT)	
EXPOSURE	B	2. 4" CONC. OVER 6"x6" #8 WIRE MESH	
SEISMIC DESIGN	C	3. OFFSET CAP TO CARRY SLAB	
CODE CONFORMANCE		4. INSTALL METAL FLASHING BETWEEN CONC. & WOOD MEMBERS	
VIRGINIA		5. TERRACES TO BE CONSTRUCTED AFTER HOUSE IS SET ON FOUNDATION	
2008 INTERNATIONAL RESIDENTIAL CODE (IRC)		6. PURCHASER RESPONSIBLE FOR ACCESSIBILITY INTO LIVING UNIT PER STATE & LOCAL CODE	
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)		OPTIONAL BASEMENT NOTES:	
2008 NATIONAL ELECTRIC CODE (NEC)		1. ALL BASEMENT DOORS & WINDOWS ARE SUPPLIED & INSTALLED BY PURCHASER	
2009 VIRGINIA UNIFORM STATEWIDE BUILDING CODE		2. DOOR & WINDOW SIZE & LOCATION SUBJECT TO CHANGE ACCORDING TO SITE CONDITIONS	
		3. BACKFILL TO BE IN & TAMPED PRIOR TO ARRIVAL OF HOUSE	
		4. FOUNDATION DRAINAGE & DAMPROOFING TO CONFORM TO CURRENT BUILDING CODE	
		5. ALL ELECTRICAL, PLUMBING & MECHANICAL INSTALLATION WITHIN THE BASEMENT ARE THE RESPONSIBILITY OF THE PURCHASER & SUBJECT TO APPROVAL & INSPECTION BY THE LOCAL JURISDICTION	
		UNIT FASTENING REQUIREMENTS:	
		1. PURCHASER TO PROVIDE 1/2" DIA. BOLTS @ 4'-0" ON CENTER FOR ALL UNITS	
		2. UNITS TO BE INSTALLED ON 2" X 4" STUDS	
		3. SECOND LEVEL OF 2 STORY MODELS TO BE TREATED TO THE FIRST LEVEL CEILING PREMIER PLATE W/ 1/2" DIA. BOLTS @ 16" O.C. FOR THE ENTIRE PERIMETER OF HOUSE	
		4. PURCHASER TO REFER TO THE "BUILDER RESPONSIBILITY BULLETIN" FOR INSTRUCTION ON JOG SITE PREPARATION & EQUIPMENT NEEDS FOR UNIT SETTING	
		AREAS W/ WIND ZONE GREATER THAN 50 MPH (2-SEC. GUST):	
		1. PURCHASER RESPONSIBLE TO SUPPLY & INSTALL ALL FOUNDATION TO UNIT, PLUMB TO UNIT & UNIT TO UNIT WITH THE DOWN STRAPS	
		2. COMPLETION OF ROOF COMPONENT TO BE DOWN PER "HIGH WIND CONST." DETAILS IS THE RESPONSIBILITY OF THE PURCHASER	
		3. PURCHASER RESPONSIBLE FOR ALL PLUMB TYPE FOUNDATION CONST. DESIGN & ENGINEERING & SUBJECT TO APPROVAL & INSPECTION BY LOCAL JURISDICTION	
		GENERAL FOUNDATION NOTES:	
		1. PURCHASER TO USE MORTAR TYPE "S" OR "M" FOR FOUNDATION CONSTRUCTION AS REQUIRED BY STATE & LOCAL CODES	
		2. GROUND SURFACE WITHIN DRAINAGE AREAS TO BE COVERED WITH APPROVED VAPOR BARRIER TO ALLOW 1/1500 VENT REDUCTION AS CALCULATED. VENTS MUST BE LOCATED WITHIN 3'-0" OF EACH CORNER	
		3. ALL FOUNDATION PLANS ARE SUGGESTIVE ONLY & MUST BE CONST. IN ACCORDANCE WITH STATE & LOCAL CODE REQUIREMENTS	
		BRICK CASSED DIMENSION NOTES: (IMPORTANT)	
		1. AN ALLOWANCE OF 5" MUST BE INCORPORATED TO EACH SIDE OF THE FOUNDATION DIMENSIONS IF BRICK CASSED EXTERIOR IS SELECTED. NOTE THAT LIVING UNIT SIZES ARE NOT ADJUSTED. VERIFY DIMENSIONS W/ NATIONWIDE ENGINEERING DEPARTMENT FOR CLARIFICATION OF DIMENSIONS ARE NEEDED PRIOR TO CONSTRUCTION	
NATIONWIDE Homes		APPROVED	
		PAGE 20 OF 23	

DESIGN INFORMATION		TYPICAL PLAN AND GENERAL NOTES	
USE GROUP	R-5	1. PLANS ARE EXTRACTED FROM APPROVED SYSTEM DOCUMENTATION AND CAN NOT BE MODIFIED OUTSIDE THE PARAMETERS SET FORTH. ANY CHANGES TO PLANS MUST BE APPROVED BY NATIONWIDE CUSTOM HOMES ENGINEERING DEPARTMENT. MINOR CHANGES OR MODIFICATIONS SUBJECT TO THIRD PARTY INSPECTION. PLANS MAY BE REVISED.	
CONSTRUCTION	TYPE V-B	2. IT IS THE PURCHASER'S RESPONSIBILITY TO INSURE THE ATTACHED PLANS CONFORM TO LOCAL ORDINANCES IN RESPECT TO BUILDING SIZE, HEIGHT, SETBACK, OR AESTHETICS WHICH IS ENFORCED BY LOCAL JURISDICTIONS.	
FLOOR LOAD(S)	40/10	3. HOUSE MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE SYSTEMS ARE AVAILABLE.	
ROOF LOAD	30/10	4. IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER TO INSURE ANY SITE COMPLETION OF AN UNFINISHED AREA MEET LIGHT/VENTILATION, DRESS, PLUMBING & ELECTRICAL REQUIREMENTS WHICH ARE SUBJECT TO INSPECTION BY LOCAL & OR STATE JURISDICTION.	
SNOW LOAD	30	5. HVAC SYSTEM WILL BE DESIGNED & INSTALLED ON SITE BY OTHERS PER STATE & LOCAL CODES & ENERGY CODES. SUBJECT TO INSPECTION BY LOCAL JURISDICTION.	
WIND LOAD	90 MPH (3-SEC. GUST)	IF HVAC SYSTEM INSTALLED IN ATTIC AREA THE BUILDER IS RESPONSIBLE FOR INSTALLING UNIT TO CONDUCE WITH WEIGHT LIMITATIONS IMPOSED BY FACTORY INSTALLED RAFTERS.	
EXPOSURE	B	BUILDER RESPONSIBLE FOR ENGINEERING RAFTER SYSTEM FOR ANY ADDITIONAL LOADS AND IF NEEDED BRACING RAFTERS TO ALLOW FOR ADDITIONAL LOADS IMPOSED BY MECHANICAL EQUIPMENT.	
SEISMIC DESIGN	C	ATTIC LIVE LOAD: 20 LBS.	
CODE CONFORMANCE		TYPICAL ELECTRICAL NOTES	
VIRGINIA		1. ALL BRANCH CIRCUITS SUPPLYING 15 & 20 AMPERE OUTLETS IN BEDROOMS ARE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.	
2008 INTERNATIONAL RESIDENTIAL CODE (IRC)		2. BASEMENT PLANS: SMOKE DETECTOR WIRE COILED UNDER FLOOR FOR SITE INSTALLATION OF SMOKE DETECTOR BY PURCHASER IN THE BASEMENT AREA. SMOKE DETECTORS WIRING FOR SIMULTANEOUS OPERATION.	
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)		3. GROUNDING ELECTRODE SYSTEM SITE INSTALLED BY PURCHASER PER STATE & LOCAL CODES SUBJECT TO INSPECTION BY LOCAL JURISDICTION.	
2008 NATIONAL ELECTRIC CODE (NEC)		TYPICAL PLUMBING NOTES	
2009 VIRGINIA UNIFORM STATEWIDE BUILDING CODE		1. ALL SUPPLY, DRAIN, WASTE & VENT LINES TO BE SUPPORTED @ 4'-0" O.C.	
		2. PURCHASER TO SUPPLY & INSTALL ALL DRY & SUPPLY LINE MATERIALS FOR SITE COMPLETION OF PLUMBING CONNECTIONS UNDER FLOOR & BETWEEN 2 STORY STACK-ON SECTIONS. CONNECTIONS TO BE MADE AT WALL ACCESS ON 2 STORES AS NOTED ON THE FLOOR PLAN. ALL CORR. SUBJECT TO INSPECTION BY LOCAL JURISDICTION.	
		3. ALL VENTS SHALL TERMINATE MIN. 12" ABOVE THE ROOF.	
		4. ALL FITTINGS, DRAIN WASTE & VENT PIPES SHALL BE PVC/DWV PIPE W/ SOLVENT WELDED JOINTS PER MANUF. INSTALLATION INSTRUCTIONS.	
		5. ALL PLUMBING (ON 1ST LEVEL) WILL BE FACTORY INSTALLED TO BOTTOM OF FLOOR JOISTS. PURCHASER RESPONSIBLE FOR PLUMBING COMPLETION TO CONFORM TO CURRENT PLUMBING CODE.	
		6. ALL CLEAN OUTS BY PURCHASER PER CURRENT PLUMBING CODE.	
		7. ALL PVC/DWV TO CONFORM TO CURRENT PLUMBING CODE.	
		8. ANTI-SCALD FAUCETS INSTALLED ON ALL SHOWER FAUCETS.	
		9. PURCHASER RESPONSIBLE FOR PRESTOPPING ALL FLOOR OUTLETS AT TUB TRAPS.	
		10. HEATED WATER TO BATHUBS/MURBATHUBS LIMITED TO 120 DEGREES F. BY WATER TEMPERATURE LIMITING DEVICE CONFORMING TO CURRENT BLDG. CODE.	
CERTIFICATION INFORMATION		REFER TO "NOTE-1" ON FLOOR PLAN	
REFER TO "NOTE-2" ON FLOOR PLAN		CERTIFICATION INFORMATION LOCATED UNDER THE KITCHEN SINK	
A) DATA PLATE INSPECTION LABEL		B) 3RD PARTY INSPECTION LABEL	
C) STATE LABEL (IF REQUIRED)			

Revisions By	Date

COVENANT Engineering
2728 Colonial Avenue SW, Suite 12, Rose, VA 24015
Main: P.O. Box 12062, Roanoke, VA 24022
(540) 345-5555
Email: info@covenanteng.com

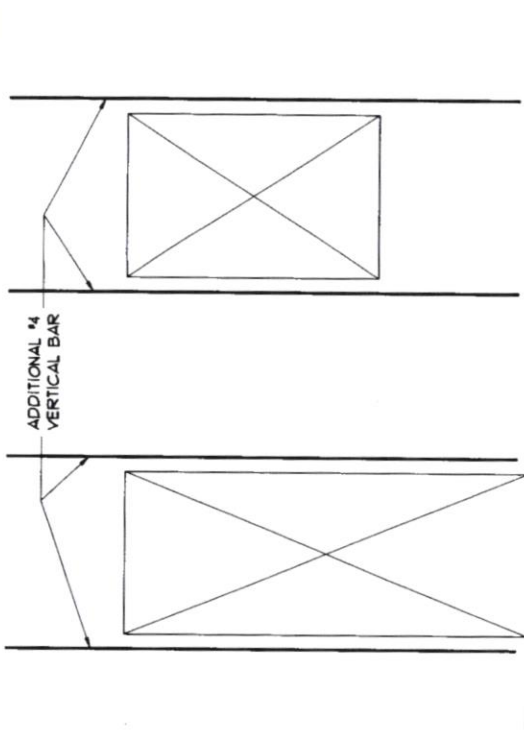
S2

MATERIAL NOTES

CONCRETE: 3000 PSI 28 DAY COMPRESSIVE STRENGTH, W/C RATIO: 0.55 MAX, 6" MAX. SLUMP
CONCRETE REINFORCING: GRADE 40, MIN.
TIMBER SCREWS: FASTENMASTER "TIMBERLOK", OR GRK "RSS"
EXPANSION ANCHOR: REDHEAD "TRIBOLT", HILTI "KWIK BOLT", CONCRETE FASTENERS "THUNDERSTUD"
CONCRETE THREADING SCREW: REDHEAD "LDT", SIMPSON "TITEN", POWERS "WEDGE BOLT"

DESIGN NOTES

BUILDING CODE: INTERNATIONAL RESIDENTIAL CODE 2015
ROOF LIVE LOAD 20 PSF
GROUND SNOW LOAD 30 PSF
FLOOR LIVE LOAD 40 PSF
WIND: VULT = 115 MPH, EXPOSURE C, RISK CATEGORY II



ADDITIONAL BARS AT WALL OPENINGS

STRUCTURAL NOTES
MODULAR HOUSE AT
1429 MERRIMAN WAY
MONETA, VIRGINIA

COVENANT
2728 Colonial Avenue SW, Suite 12, Roanoke, VA 24015
(540) 345-5555
Email: info@covenantva.com

Revisions By Date

Scale: AS SHOWN
Date: 4-27-21
Design By: RBS
CAD By: RBS
Checked By: RBS
Comm No.: 21129

Sheet No.

S3



APPROVED

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Certificate of Occupancy

Building Inspections Department

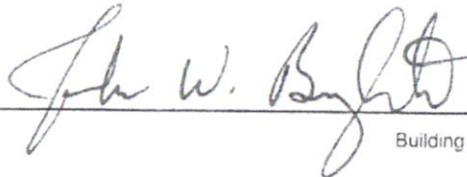
This certificate issued pursuant to the requirements of the Virginia Statewide Building Code certifying that at the time of issuance this structure was in compliance with the various ordinances of the jurisdiction regulating building construction or use. For the following:

Description 4 BEDROOM MODULAR (8 years old) *11/02/2021 - ENLARGING DECK 624 SQ FT, ADDING SWIM SPA (4-5-
Owner PATRICIA C BAILEY
Contractor OWNER - GENERAL
Permit No. RES-05-2021-60206 Map/Tax # 0150008300
Permit Type Residential Building Subdivision RT 666-MERRIMAN WAY RD
Work Class Modular Lot: 1533 MERRIMAN WAY RD
Bedrooms 4 MONETA, VA 24121
USBC Ref 2015 Edition 911 Address
Construction Type 5B Group/Occupancy Group R-5
Sprinkler Required No Sprinkler Provided No

 **COPY**



Franklin County


Building Official

CO Issue Date: 09/29/2022

Exhibit B Certificate Occupancy

Franklin County Health Department
365 Pell Avenue, 249
Rocky Mount, Virginia 24151
(540) 484-0292 Voice
(540) 483-1485 Fax

Sewage Disposal System Operation Permit

Exhibit B
Septic
Operation
Permit

Property Owner

Patricia Bailey
1220 Water Wheel Drive
Moneta, Virginia 24121

Health Dept. ID: 133 21 0149
133 21 0189
Tax Map/Parcel #: 0150008300
Locality: Franklin County

Property Location

Property Address: 1429 Merriman Way Road, Moneta, Virginia
Subdivision: N/A Section: N/A
Lot: N/A Acres: 19+

Patricia Bailey is hereby granted permission to operate a **Residential Onsite Sewage System** at the above referenced location, under the following parameters:

Daily Flow: 900 Gallons/Day
Number of Bedrooms: 6 Bedrooms
Occupancy Limit: 12 Persons Maximum

This permit is issued in accordance with the provisions of Title 32.1, Chapter 6 of the Code of Virginia as Amended, and Section 12VAC 5-610-340 of the Sewage Handling and Disposal Regulations of the Virginia Department of Health. The issuance of an operation permit does not denote or imply any guarantee by the department that the sewage disposal system will function for any specified period of time. It shall be the responsibility of the owner or any subsequent owner to maintain, repair, or replace any sewage disposal system that ceases to operate in accordance with the regulations.

09-27-2022
Effective Date

Lurena Huffman
Environmental Health Specialist


Signature

Exhibit B
Septic Permit
and completion
statement

Page 1 of 3

Franklin County Health Department
365 Pell Ave., 249
Rocky Mount, Virginia 24151
(540) 484-0292 Voice

AOSE Construction Permit

Well and Sewage Contractors: Please notify Health Department and OSE or PE 48 hours prior to installation to arrange for inspection

May 14, 2021

Patricia Bailey
1220 Water Wheel Drive
Moneta VA 24121

RE: 1429 Merryman Way Road, Moneta VA 24121
Subdivision: N/A Sec: N/A Blk: N/A Lot: N/A Acres: 19 +
Tax Map/Parcel #: 0150008300
HDID: T33 21 0189
System Capacity: Residential, 6 Bedroom, 900 Gallons per Day, III C

Dear Patricia Bailey:

This letter and the attached drawings, specifications, and calculations (12 pages) dated 05-07-2021 constitute your permit to install a sewage disposal system and well on the property referenced above. Your application for a permit was submitted pursuant to §32.1-163.5 of the Code of Virginia, which requires the Health Department to accept private soil evaluations and designs from an Onsite Soil Evaluator (OSE) or a Professional Engineer working in consultation with an OSE for residential development. VDH is not required to perform a field check to verify the private evaluations of OSEs or PEs and such a field check may not have been conducted for the issuance of this permit.

The soil absorption area ("site"), well site and sewage system design were certified by **Tim Parker**, Private AOSE and **Chris Waller**, P. E., as substantially complying with the Board of Health's regulations (and local ordinances if the locality has authorized the local health department to accept private evaluations for compliance with local ordinances). This permit is issued in reliance upon that certification. VDH hereby recognizes that the soil and site conditions acknowledged by this permit are suitable for the installation of an onsite sewage system. The attached plat shows the approved area for the sewage disposal system; there are additional records on file with the Franklin County Health Department pertaining to this permit, including the Site and Soil Evaluation Report. This construction permit is null and void if any substantial physical change in the soil or site conditions occurs where a sewage disposal system is to be located.

If modifications or revisions are necessary between now and when you construct your dwelling, please contact the OSE/PE who performed the evaluation and design on which this permit is based. Should revisions be necessary during construction, your contractor should consult with the OSE/PE that submitted the site evaluation or site evaluation and design. The OSE/PE is authorized to make minor adjustments in the location or design of the system at the time of construction provided adequate documentation is provided to the Franklin County Health Department.

The OSE/PE that submitted the certified design for this permit is required to conduct a final inspection of this sewage system and well when it is installed and to submit an inspection report and completion statement. As the owner, you are responsible for giving reasonable notice to the OSE/PE of the need for a

final inspection. If the designer is unable to perform the required inspection, you may provide an inspection report and completion statement executed by another OSE/PE.

The Franklin County Health Department is not required to inspect the installation but may perform an inspection at its sole discretion. No part of this installation shall be covered until it has been inspected by the OSE/PE as noted herein. The sewage system may not be placed into operation until you have obtained an Operation Permit from the Franklin County Health Department.

This Construction Permit is null and void if conditions are changed from those shown on your application or if conditions are changed from those shown on the Site and Soil Evaluation Report and the attached construction drawings, specifications, and calculations. VDH may revoke or modify any permit if, at a later date, it finds that the site and soil conditions and/or design do not substantially comply with the Sewage Handling and Disposal Regulations, 12 VAC 5-610-20 et seq., or if the system would threaten public health or the environment.

This permit approval has been issued in accordance with applicable regulations based on the information and materials provided at the time of application. There may be other local, state, or federal laws or regulations that apply to the proposed construction of this onsite sewage system. The owner is responsible at all times for complying with all applicable local, state, and federal laws and regulations. If you have any questions, please contact me.

This permit expires: **11-14-2022**. This permit is not transferable to another owner or location.

Sincerely,



Brent Williams
Environmental Health Supervisor
Franklin County Health Department

CC: **Tim Parker**, Private AOSE
Chris Waller, P. E.

**WHAT YOU WILL NEED TO GET YOUR
SEPTIC SYSTEM OPERATION PERMIT**

- Your system must have a **satisfactory inspection** at the time of installation. This will be done by either a representative of the local Health Department, a private OSE, or a PE, depending on the designer of your permitted system. If your system is designed/inspected by an OSE or PE, they must submit a copy of the inspection results, complete with an as-built diagram, to the Health Department.
- Please ensure that your contractor turns in a **Completion Statement** to the local Health Department after installation.

**IF YOUR PERMIT IS FOR BOTH A SEPTIC SYSTEM
AND WELL YOU WILL ALSO NEED**

- Your well must have **satisfactory inspection** results after installation. Please give the Health Department several days' notice to schedule this inspection before your Operation Permit will be requested.
- The Health Department must receive a copy of your **water sample test result** being negative/satisfactory for coliform bacteria. You are responsible for performing this test and ensuring the results are received at the Health Department
- Please ensure that your Well Driller submits a Uniform **Water Well Completion Statement or GW-2** to the Health Department, including documentation of a proper well abandonment if required by permit

Allow 5 business days after the last piece of documentation is received for the Operation Permit to be issued. To avoid delays, clearly label each piece of documentation with the property Tax Map/GPIN number and HDID number shown above and on your construction permit. *Please note that due to the individual circumstances of your permit there may be additional required items not covered by this checklist*

If you have any questions about any of the items on this list, please do not hesitate to contact the Franklin County Health Department at (540) 484-0292.

Anderson & Parker Inc.

P.O. Box 307
Gretna, Va. 24557
Phone: 540 537-2392

**AOSE/PE Report for
Construction Permit**

Location of property: Rt. 40
east to Rt. 122 north to right on Rt.
666 for 1.5 miles to property on left

Lot NA Subdivision NA Franklin County

Parcel ID #0150008300

Applicant or Client and address:

Pat Bailey
1220 Waterwheel Drive
Moneta, Va. 24121

Prepared by AOSE/PE (name and address):

Tim Parker AOSE # 1098
P.O. Box 307
Gretna, Va. 24557

Date of Report: April 7, 2021

Revision Date: May 5, 2021

AOSE/PE Job Number: 21-063

Health Dept. ID. No.: _____

Contents/Index of this report:

Page 1 Coversheet

Page 2 Construction Specifications

Page 3 Abbreviated Design Form

Page 4 Soil Summary

Page 5 Soil Evaluation

Page 6 Construction Drawings

Page 7 Plat

Page 8-9 Pump Plans (Chris Waller PE)

Page 10 Well Addendum

Certification Statement(s)

I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-615), and other applicable policies of the Virginia Department of Health. Furthermore, I certify that my evaluation and/or design contained herein complies with all applicable laws, regulations, and policies implemented by the Virginia Department of Health. I recommend a Construction Permit be Approved

The work attached to this cover page has been conducted under an exemption to the practice of engineering, specifically the exemption in Code of Virginia Section 54.1-402.A.11

The potential for both conventional and alternative onsite sewage systems has been discussed with the owner / applicant



Sewage Disposal System Construction Specifications

General Information:

New ☒ Repair ☐ Expanded ☐

Owner: Pat Bailey Phone: 540 847-5249

Address: 1220 Waterwheel Drive Moneta, Va. 24121

System Type: II Treatment Level : TL-1

System to be constructed on/at: Rt. 40 east to Rt. 122 north to right on Rt. 666 for 1.5 miles to property on left

Subdivision: NA

Block : Lot: Tax ID 15-83 D/F:

Actual or estimated water use: 6 BR 900 GPD

Design:

Existing water supply: None

Water supply to be installed: III C Well 20' Casing 20' Grout

Building sewer: 4" I. D. PVC 40, or equivalent. Slope 1.25" per 10'(minimum)

Septic tank: Capacity 2000 Gals. minimum.

Inlet-outlet structure: PVC 40, 4" tees or equivalent ☒

Pump and pump station: ☐ No ☒ Yes, see attached pump design

Gravity mains: ☒ Yes ☐ No
(3" or larger I.D., min. 6" fall per 100', 1500lb. Crush strength or equivalent.)

Distribution box: Precast concrete with 16 Ports.

Header lines: ☒ Yes ☐ No
(4" I.D. 1500lb. Crush strength plastic or equivalent from distribution box to 2' into absorption trench. Slope 2" min.)

Percolation line: ☒ Yes ☐ No
((Gravity 4" plastic 1000lb. per foot bearing load of equivalent, slope 2" 4" (min. max.) per 100'))

Absorption Trenches:

Square ft. required 2214 ; Number of trenches 9 ;

Trench length 82 ft. Trench width 3 ft. ; Trench depth 72"

Depth of aggregate 13"

Abbreviated Design Form

For use with gravity and pump drainfields, enhanced flow systems and low pressure distributions systems when applying for a certification letter of subdivision approval.

Design Basis Subdivision NA Lot Tax ID 15-83 Block

- A. Estimated Percolation Rate 40
- B. Trench bottom square feet
Required per bedroom
(from Table 4.6 based on ☒ Gravity ☐ LPD) 314 ft²
- C. Number of bedrooms 6

Area Calculations

- D. Length of trench 82 ft. Length of available area 82 ft.
- E. Width of trench 3 ft.
- F. Number of trenches 9
- G. Center-to-center spacing 10 ft.
- H. Width required $[G(F-1)+E]$ 83 ft. Width of available area 83 ft.
- I. Total square footage required (BxC) 1884 ft²
- J. Square footage in design (DxExF) 2214 ft²
- K. Is a reserve required? ☒ No ☐ Yes Lines at Inches Deep
- L. Slope Type: Side Slope

Name and title of evaluator: Tim Parker AOSE# 1098

SOIL SUMMARY REPORT

General Information:

Date: April 7, 2021 Franklin County Health Department

Applicant: Pat Bailey Telephone No.: 540 847-5249

Address: 1220 Waterwheel Drive Moneta, Va. 24121

Location: Rt. 666

Subdivision: NA

Block :

Lot: Tax ID 15-83

Soil Information Summary:

Drain Field LOCATED ON LOT Tax ID 15-83

Slope: 17 %

Depth to rock/impervious strata: Max. Min. None X

Depth to seasonal water table: (gray mottling or gray color) No ☒ Yes ☐
Inches

Free water present: No ☒ Yes ☐ Range in Inches

Soil percolation rate estimated: Yes ☒ Texture group **II**

No ☐ Estimated rate 40 min/inch

Proposed Drainfield 9-82' x 3' Lines installed at 72 Inches Deep

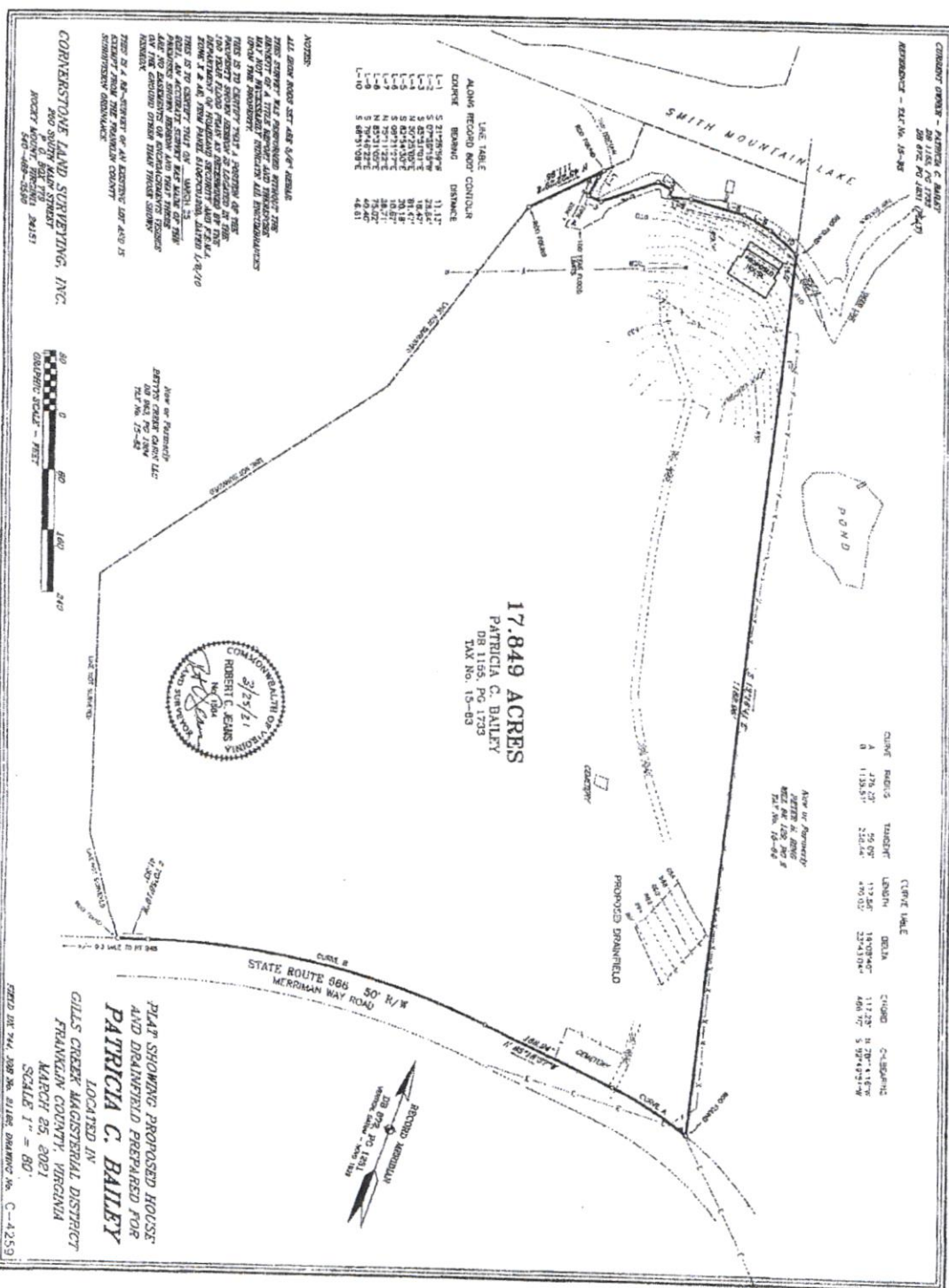
Name and title of evaluator: Tim Parker AOSE# 1098

SOIL EVALUATION FORMSubdivision NA Lot Tax ID 15-83 Drain Field

	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A/E	0-3	5 YR 4/4 light Clay Loam	III
	Bt	3-39	2.5 YR 4/8 Clay Loam with mica	III
	C1	39-90	2.5 YR 4/8 Loam with common fine mica	II
	C2	90-99	7.5 YR 5/6 fine Sandy Loam	II
2	A/E	0-4	5 YR 4/4 light Clay Loam	III
	Bt	4-38	2.5 YR 4/8 Clay Loam with few mica	III
	B/C	38-54	2.5 YR 4/8 light Clay Loam with mica	III
	C	57-96	2.5 YR 4/8 Loam with common fine mica	II
3	A/E	0-3	5 YR 4/4 light Clay Loam	III
	Bt	3-32	2.5 YR 4/8 Clay Loam with few mica	III
	C1	32-91	2.5 YR 4/8 Loam with common fine mica	II
	C2	91-97	7.5 YR 5/6 fine Sandy Loam	II

Remarks: Clifford Soil Series

Name and title of evaluator: Tim Parker AOSE# 1098



**Addendum to AOSE/PE Certification Statement
For Private Well Construction Permit**

Instructions: Please check one box in 1-3 below. Statement templates for item #2 and #3 are on the following pages.

PAT BAILEY
PARCEL ID 0150008300

The proposed well site shown herein,

- ☒ 1. Is located a minimum of 50 feet from all property lines.
- ☐ 2. Is located within 50 feet of the adjacent property line(s) but I have determined that the adjacent property is not used for an agricultural operation.
 - ☐ i. Written affirmation from the adjacent property owner(s) that their property is not used for an agricultural operation.
 - ☐ ii. Other confirmation that land use is not an agricultural operation, please describe:
- ☐ 3. Is located within 50 feet of an adjacent property line where the property is used for an agricultural operation. For confirmation, I have attached the appropriate documentation pursuant to § 32.1-176.5:2 of the *Code of Virginia*. (check one below)
 - ☐ i. Written permission from the adjacent property owner(s) for the well construction.
 - ☐ ii. I certify that no other site on the property complies with the Board's Regulations for the construction of a private well.

NOTES :

Pump Chamber Size = 1000 gallon with 2000 gallon tank behind
Drawdown = 300 Gallons
Pump Capacity & Cycle = 27.0 GPM for 11.1 minutes
Force Main Velocity = 3.1 FPS
Static Head = 90.0'
Friction Head = 16.5'
Total Dynamic Head = 106.5'
Discharge Assembly Size = 2"
Volume of Transport Line = 157 Gallons
PF300712 High Effluent Pump - 1HP

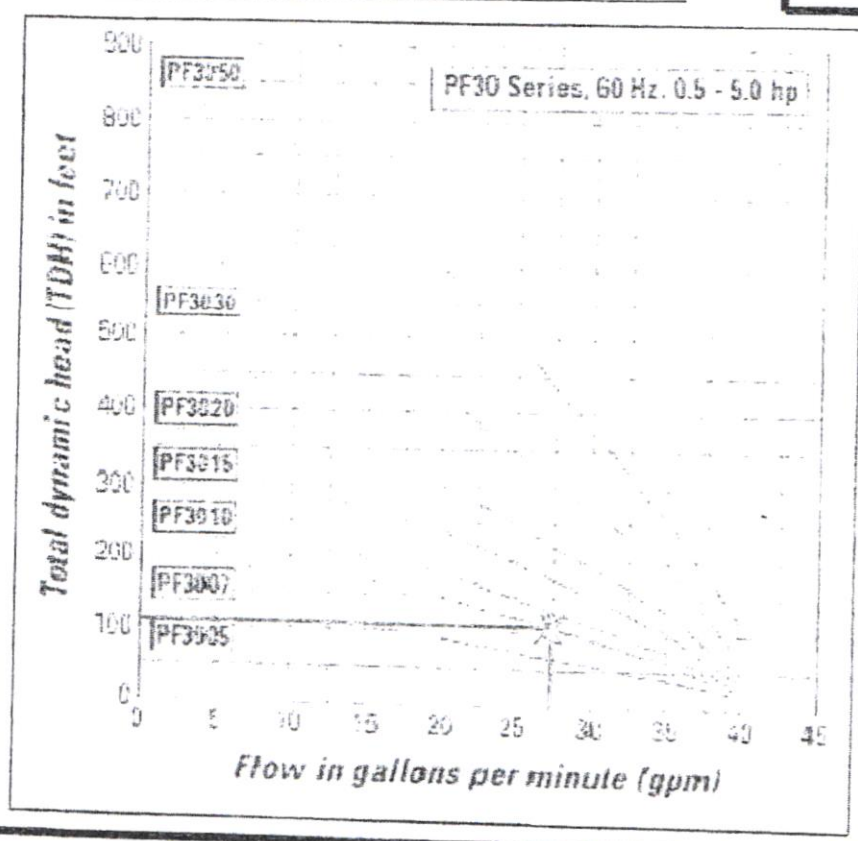
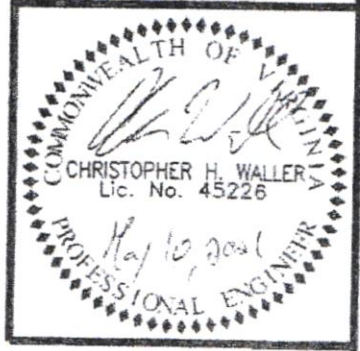
Pump Discharge Options

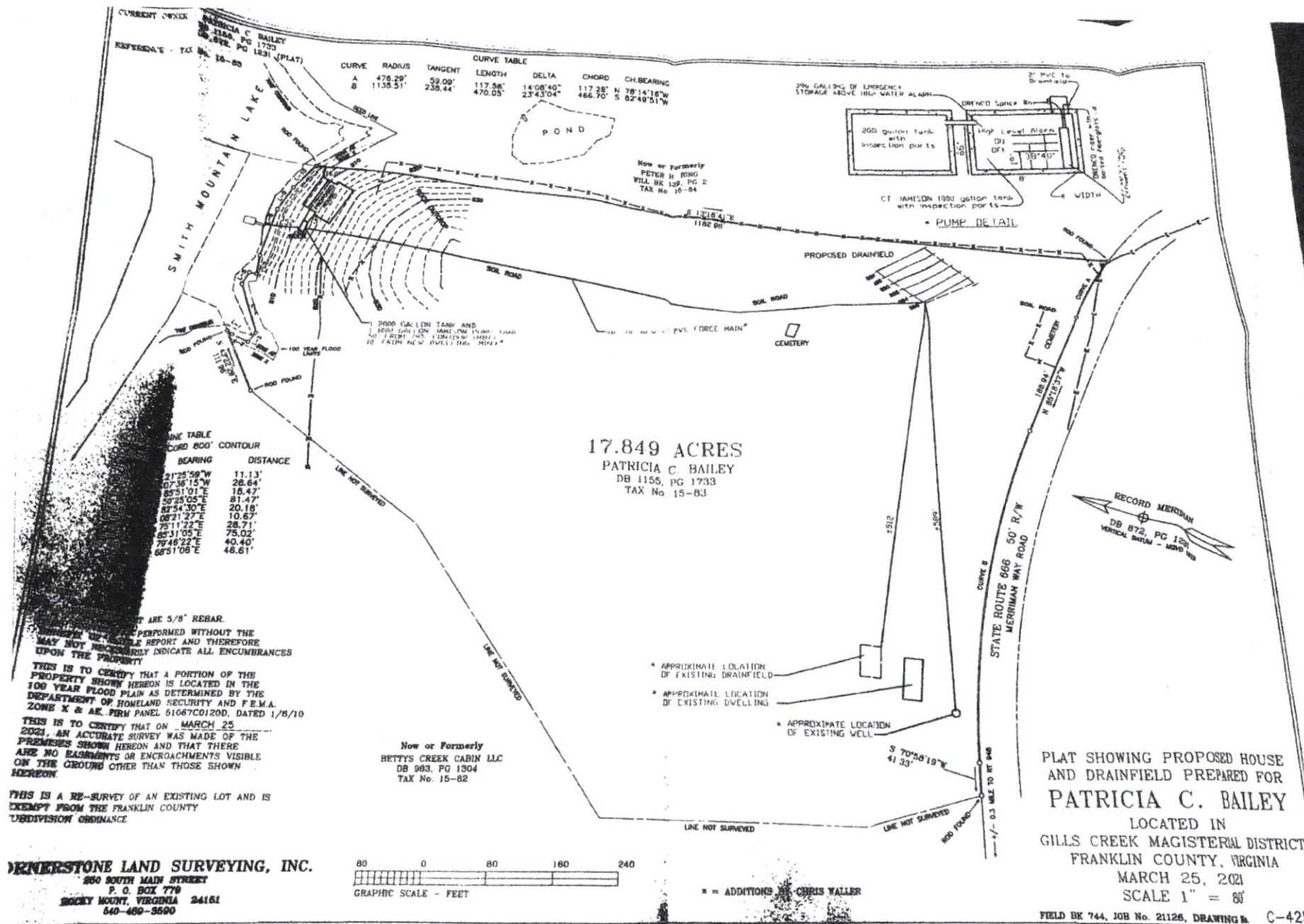
Note:
All concrete tanks shall have PBT424 cast into tank for acceptance of model BR24V tank.

Tank Testing Specification:

Concrete tanks may be allowed 24 hours to absorb water prior to testing with testing. All tanks shall be tested in the field by filling the tank with water to 2 (two) inches above the water tank seam. The water level shall be maintained 2 inches above the seam for a minimum of 2 hours. Any drop in the water level indicates leakage. The tank may be drained and the contractor and tank manufacturer shall make one attempt to repair the tank to make the tank watertight. The tank shall be retested as outlined in the paragraph indicated above. If the tank leaks during the retest, it shall be removed from the site and replaced with a structurally sound water tight tank at no cost to the contractor.

TAX NO. 15-83
PUMP PLAN
BAILEY LAKE HOME
Pump Design and Selection





OSE/PE Inspection Report and Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department Identification Number: 133-21-0189 Tax Map: 0150008300

Franklin County Health Department

Name of OSE/PE: Christopher H. Waller, PE License Number: 45226

Address: 3388 Virginia Ave. Suite D Telephone: 2766473506

Contractors Name LD Ellis Septic

Owner's Name: Pat Bailey

Owner's Address: 1220 Waterwheel Drive Moneta, VA 24121

Location of Installation: Subdivision: NA Section: _____ Block: _____ Lot: _____

Other: 17.849 Acres located on Merriman Way (House number 1533) - 1.5 miles from Route 122 on left

Component	Inspection Results	
	Comments, Materials, Etc. Deficiencies Observed, Date Deficiencies Observed Corrective Action Required	Date Approved
Water Supply Location and Construction	As Planned	09-26-2022
Building Sewer	As Planned	09-26-2022
Septic Tank	As Planned	09-26-2022
Inlet-Outlet Structure	As Planned	09-26-2022
Pump and Pump Station	As Planned	09-26-2022
Conveyance Method	As Planned	09-26-2022
Distribution Box or Pressure Manifold	As Planned	09-26-2022
Header, Conveyance, Return, etc. Lines		
Percolation Lines, Drip, Chambers, etc		
Absorption Trenches and Dispersal Field		
(Other Components: treatment unit, etc.)		

Attach observed deficiencies and corrective actions taken on a separate completion statement as necessary.

This form contains personal information subject to disclosure under the Freedom of Information Act.

Revised 12/1/2014

OSE/PE Completion Statement: As-Built Drawing

Commonwealth of Virginia
State Department of Health

Health Department Identification Number: 133-21-0189

Tax Map: 0150008300

Triangulate critical system components to fixed reference points

As-Built submitted by Tim Parker, AOSE



☐ Check here if as-built drawing is on a separate page attached to this form
(Attachment must display Health Dept. Identification Number, tax map number, and must be signed and dated by AOSE/PE)

I hereby certify that on September 26, 2022 (date), I, or an employee under my direct supervision, inspected this sewage system's construction. The onsite sewage system has been installed and completed in accordance with the construction permit issued on May 14, 2021 (date) and is in compliance with the *Sewage Handling and Disposal Regulations* (12 VAC 5-610 et seq), the *Regulations for Alternative Onsite Sewage Systems* (12VAC5-613 et seq), when applicable, the *Private Well Regulations* (12 VAC 5-630 et seq), when applicable, and the plans and specifications for the project.

OSE/PE Signature: Christopher H. Waller Date: 09-26-2022

Print Name: Christopher H. Waller

This form contains personal information subject to disclosure under the Freedom of Information Act

Revised 12/1/2014



ENVIRONMENTAL OPTIONS, INC

P.O. Box 879

Rocky Mount, VA 24151

(540) 483-3920 (TEL)

(540) 483-3855 (FAX)

Exhibit B
Well Water report

PATRICIA BAILEY
1220 WATER WHEEL DRIVE
MONETA VA 24121

RE: BACTERIOLOGICAL ANALYSIS OF WATER
ID#133-21-0189
1533 MERRIMAN WAY ROAD
MONETA VA 24121

COMMISSION NO: 13602

REPORT DATE: SEPTEMBER 21, 2022

METHOD REFERENCE: STANDARD METHODS FOR THE EXAMINATION OF
WATER AND WASTEWATER: 22ND ED.

SAMPLE ID: 53809

FIELD ID: WELL 09/20/2022 9:00 AM

ANALYST: S. SECRIST

ANALYSIS

TOTAL COLIFORM
E. COLI

RESULT

NEGATIVE*
NEGATIVE*

METHOD

9223B-COLILERT
9223B-COLILERT

***PASSES STATE REQUIREMENTS**

STATE CERTIFICATE NO. 00122

IF ENVIRONMENTAL OPTIONS ANALYTICAL SERVICES MAY BE OF ANY FURTHER
ASSISTANCE, PLEASE DO NOT HESITATE TO CONTACT ME.

PAMELA B. WESTGATE
PRESIDENT

COMMONWEALTH OF VIRGINIA
UNIFORM WATER WELL COMPLETION REPORT

DEQ Well # _____
USGS Local # _____
VDH HDIN # 133 21 0189
VDH PWSID # _____

*Indicates required field or section
**Indicates required field or section, if applicable

Exhibit B
Well completion report
7/4

1. Contact Information*

Contact:	Name	Address	Phone
Owner	Patricia Bailey	1220 Water Wheel Drive, Moneta, VA 24121	540-874-5249
Driller	Davidson Drilling, Inc.	5510 Shingle Ridge Road, Roanoke, VA 24018	540-586-5588
System Provider			

2. Well Location*

Physical Address: 1429 Merryman Way Road, Moneta, VA 24121		County/City: Franklin	
Subdivision Name:	Section:	Block:	Lot:
Tax Map/GPIN #: 0150008300			
Latitude:	N	Longitude:	W
Datum Source	Horizontal: ☐ WGS84 ☐ NAD83 ☐ NAD27		
Lat/Long Source (Check One):	☐ Map ☐ GPS ☐ PPDGPS ☐ Survey ☐ Imagery ☐ WAAS		
Location Information Collected By:			
Physical Location Description:			

3. Facility & Use*

Type of Facility (Check One):	Type of Use (Check All That Apply):
☒ Private	☒ Drinking/Domestic Use ☐ Agricultural ☐ Food Processing
☐ Waterworks	☐ Manufacturing ☐ Irrigation ☐ Injection
☐ Observation/Monitoring Well	☐ Geothermal (Cooling/Heating) ☐ Fire Safety
	☐ Closed
	☐ Open: ☐ Returned to Surface ☐ Returned to Aquifer

4. Well Construction*

Well designation, Name or Number: 133 21 0189			
Date Started: 07/06/2021		Date Completed: 07/07/2021	
Class Well (Check One): ☐ I ☐ IIA ☐ IIB ☐ IIIA ☒ IIIB ☐ IIIC ☐ IIID ☐ IIIE ☐ IV		Type Rig: Air Rotary	
Construction Type (Check One): ☒ New ☐ Existing-Modified: ☐ Well ☐ Pump: Date			
Well Depth: 420' ft.		Total Hole (borehole) Depth: 420' ft.	
Hole Size (include reamed zones): 10" inches from 0' to 64' ft.		Depth to Bedrock: 40' ft.	
Height of Casing above Land Surface: +1' ft.		6" inches from 64' to 420' ft.	
Casing Size (I.D.) and Materials: (below)		Total Depth of Casing: 64' ft.	
6" inches from +1' to 64' ft. ☐ infilled		Material PVC	
inches from to ft. ☐ infilled		Weight per ft. 80 or wall thickness in.	
inches from to ft. ☐ infilled		Material	
inches from to ft. ☐ infilled		Weight per ft. or wall thickness in.	
Screen Size & Mesh:		Weight per ft. or wall thickness in.	
inches from to ft. ☐ infilled		Mesh Size	
inches from to ft. ☐ infilled		Type	
inches from to ft. ☐ infilled		Mesh Size	
inches from to ft. ☐ infilled		Type	
Water Zones: from 220' to 285' ft.		from to ft.	
Gravel Pack:		from to ft.	
Size: Type: from to ft.		Size: Type: from to ft.	
Grout Type:		Grouting Method:	
☒ Bentonite Slurry ☐ Neat Cement		☐ Poured from surface	
☐ Bentonite pellets/chips ☐ Concrete		☐ Poured through tremmie pipe	
☐ Neat Cement (6% bentonite)		☒ Pumped from bottom upward	
Camera Survey: ☐ Yes ☐ No		Type of Seal:	
Additional Well Construction Form Information Attached: ☐ Yes ☐ No		☐ pitless adapter	
		☐ sanitary seal	
		VDH Well Cap	
		Date Conducted:	

COMMONWEALTH OF VIRGINIA
UNIFORM WATER WELL COMPLETION REPORT

DEQ Well # _____
USGS Local # _____
VDH HDIN # 133 21 0189
VDH PWSID # _____

*Indicates required field or section
**Indicates required field or section, if applicable

Exhibit B
Well Completion report
2/4

1. Contact Information*

Contact:	Name	Address	Phone
Owner	Patricia Bailey	1220 Water Wheel Drive, Moneta, VA 24121	540-874-5249
Driller	Davidson Drilling, Inc.	6510 Shingle Ridge Road, Roanoke, VA 24018	540-586-5588
System Provider			

2. Well Location*

Physical Address: 1429 Menyan Way Road, Moneta, VA 24121		County/City: Franklin	
Subdivision Name:	Section:	Block:	Lot:
Tax Map/GPIN #: 0150008300			
Latitude:	N	Longitude:	W
Datum Source	Horizontal: ☐ WGS84 ☐ NAD83 ☐ NAD27		
Lat/Long Source (Check One):	☐ Map ☐ GPS ☐ PPDGPS ☐ Survey ☐ Imagery ☐ WAAS		
Location Information Collected By:			
Physical Location Description:			

3. Facility & Use*

Type of Facility (Check One):	Type of Use (Check All That Apply):
☒ Private	☒ Drinking/Domestic Use ☐ Agricultural ☐ Food Processing
☐ Waterworks	☐ Manufacturing ☐ Irrigation ☐ Injection
☐ Observation/Monitoring Well	☐ Geothermal (Cooling/Heating) ☐ Fire Safety
	☐ Closed
	☐ Open: ☐ Returned to Surface
	☐ Returned to Aquifer

4. Well Construction*

Well designation, Name or Number: 133 21 0189			
Date Started: 07/06/2021		Date Completed: 07/07/2021	
Type Rig: Air Rotary			
Class Well (Check One): ☐ I ☐ IIA ☐ IIB ☐ IIIA ☒ IIIB ☐ IIIC ☐ IIID ☐ IIIE ☐ IV			
Construction Type (Check One): ☒ New ☐ Existing-Modified: ☒ Well ☐ Pump: Date			
Well Depth: 420' ft.		Total Hole (borehole) Depth: 420' ft.	
Depth to Bedrock: 40' ft.			
Hole Size (Include reamed zones): 10" inches from 0' to 64' ft. 6" inches from 64' to 420' ft.			
Height of Casing above Land Surface: +1' ft. inches			
Casing Size (I.D.) and Materials: (below)		Total Depth of Casing: 64' ft.	
6" inches from +1' to 64' ft. ☐ infilled		Material PVC	
inches from to ft. ☐ infilled		Weight per ft. 80 or wall thickness in.	
inches from to ft. ☐ infilled		Material	
		Weight per ft. or wall thickness in.	
		Material	
		Weight per ft. or wall thickness in.	
Screen Size & Mesh:			
inches from to ft. ☐ infilled		Mesh Size	
inches from to ft. ☐ infilled		Type	
inches from to ft. ☐ infilled		Mesh Size	
		Type	
Water Zones: from 230 to 235 ft. from to ft. from to ft.			
Gravel Pack:			
Size: Type: from to ft.		Size: Type: from to ft.	
Grout Type:		Grouting Method:	
☒ Bentonite Slurry ☐ Neat Cement		☐ Poured from surface	
☐ Bentonite pellets/chips ☐ Concrete		☐ Poured through tremmie pipe	
☐ Neat Cement (6% bentonite)		☒ Pumped from bottom upward	
Camera Survey: ☐ Yes ☐ No		Date Conducted:	
Additional Well Construction Form Information Attached: ☐ Yes ☐ No			

COMMONWEALTH OF VIRGINIA
UNIFORM WATER WELL COMPLETION REPORT

DEQ Well # _____
USGS Local # _____
VDH HDIN # 133 21 0189
VDH PWSID # _____

*Indicates required field or section
**Indicates required field or section, if applicable

Exhibit B
Well completion report
3/4

10. Driller's Log (Use additional sheets if necessary)*

Well designation, Name or Number: 133 21 0189 Patricia Bailey				
Depth (feet)		Type of Rock or Soil	Remarks	Drilling Time (Min.)
From	To	(Color, material, fossils, hardness, etc.)	(Water, casing, cavities, etc.)	
+1	40'	Overburden		
40'	280'	Granite Rock		
280'	285'	Water Zone		
285'	290'	Granite Rock		
280'	420'	Water Zone		
		Yield: 4 GPM After Fracking		
		SWL: 60'		

11. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: Ty G. Davidson

Date: September 20, 2022

License Number: 27-05082231A















**INVOICE (00055581)
FOR FRANKLIN COUNTY**

BILLING CONTACT

PATRICIA C & JESSICA L BAILEY
1220 WATERWHEEL DR
MONETA, VA 24121



INVOICE NUMBER	INVOICE DATE	INVOICE DUE DATE	INVOICE STATUS	INVOICE DESCRIPTION
00055581	01/25/2024	02/24/2024	Paid In Full	NONE

REFERENCE NUMBER	FEE NAME	TOTAL
SPEC-01-2024-17883	Residential/Agricultural - Special Use	\$285.00
SUB TOTAL		\$285.00

REMITTANCE INFORMATION

Report Text Library: Municipality_Invoice_Remmit_To
Address Line 2
Address Line 3
Address Line 4

TOTAL **\$285.00**



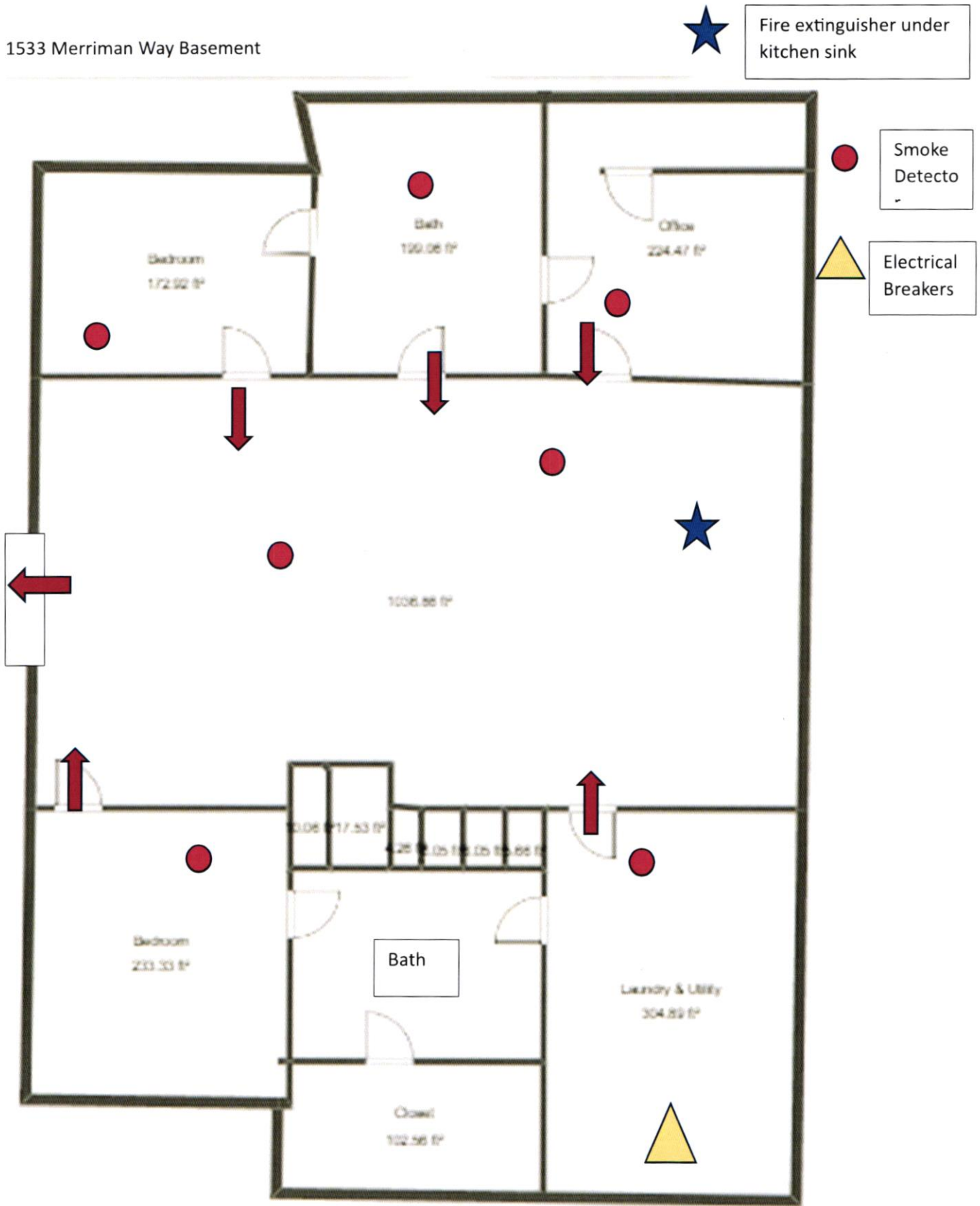
Parcels: 0150008301	
Zoom to	
...	
Primary Details	
Parcel ID	0150008301
Map Number	015.00
Parcel Number	083.01
Owner	BAILEY PATRICIA C & JESSICA L
Owner Address	1220 WATERWHEEL DR
City	MONETA
State	VA
Zip Code	24121
Physical Address	RT 666-MERRIMAN WAY RD
Legal Description 1	
Legal Description 2	A1
Zoning	GILLS CREEK
Acreage	7.73
Land Value	\$218,700.00
Building Value	\$393,000.00
Assessed Total	\$611,700.00
Land Use Value	\$0.00
Grantor	BAILEY PATRICIA C & JESSICA L
Consideration	\$0.00
Consideration Date	12/19/2021, 7:00 PM
Instrument Yr	2021

Clear

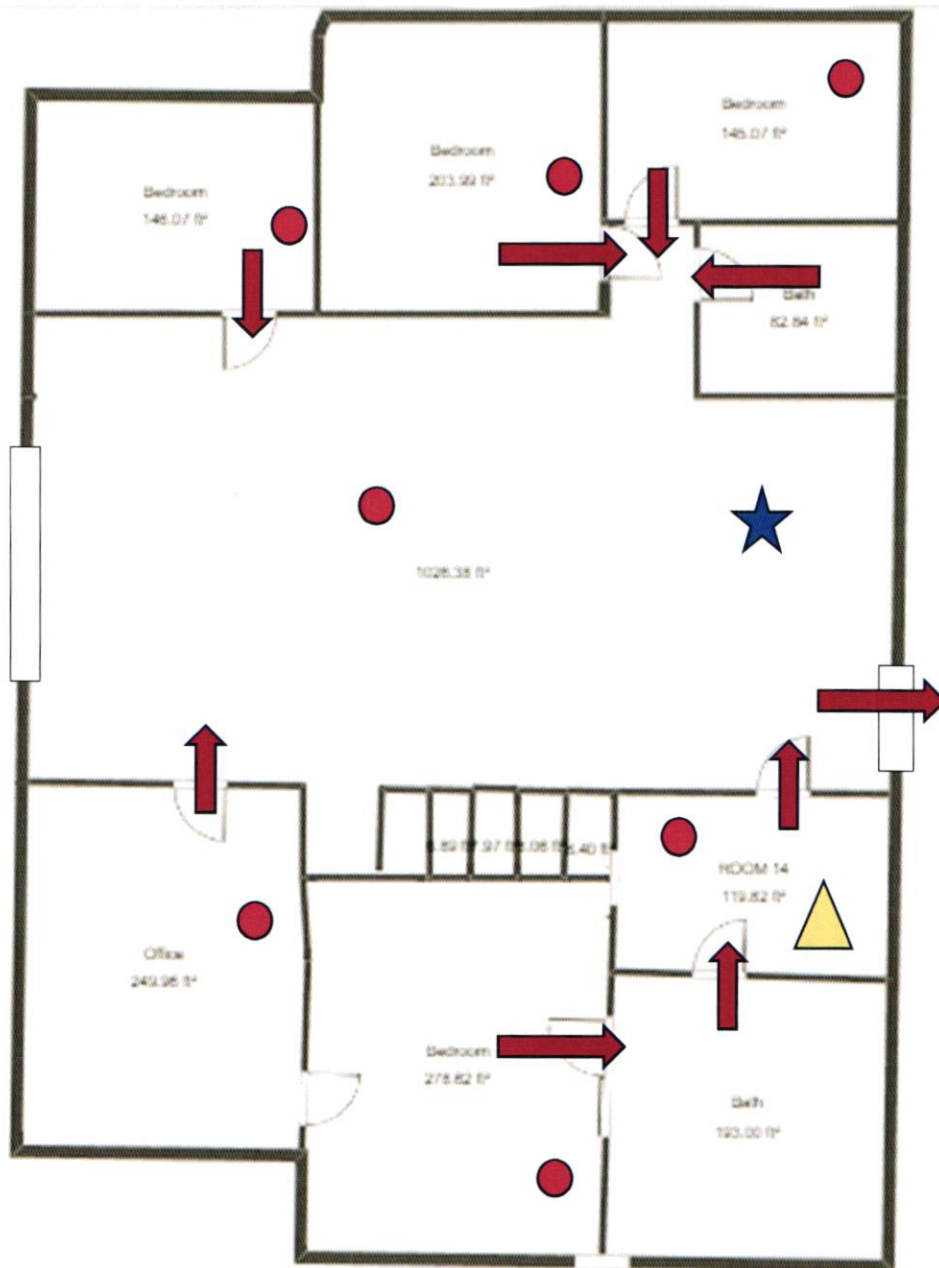
(1 of 1)

Show search results for 01500...

1533 Merriman Way Basement



1533 Merriman Main Level



Fire extinguisher
under kitchen sink

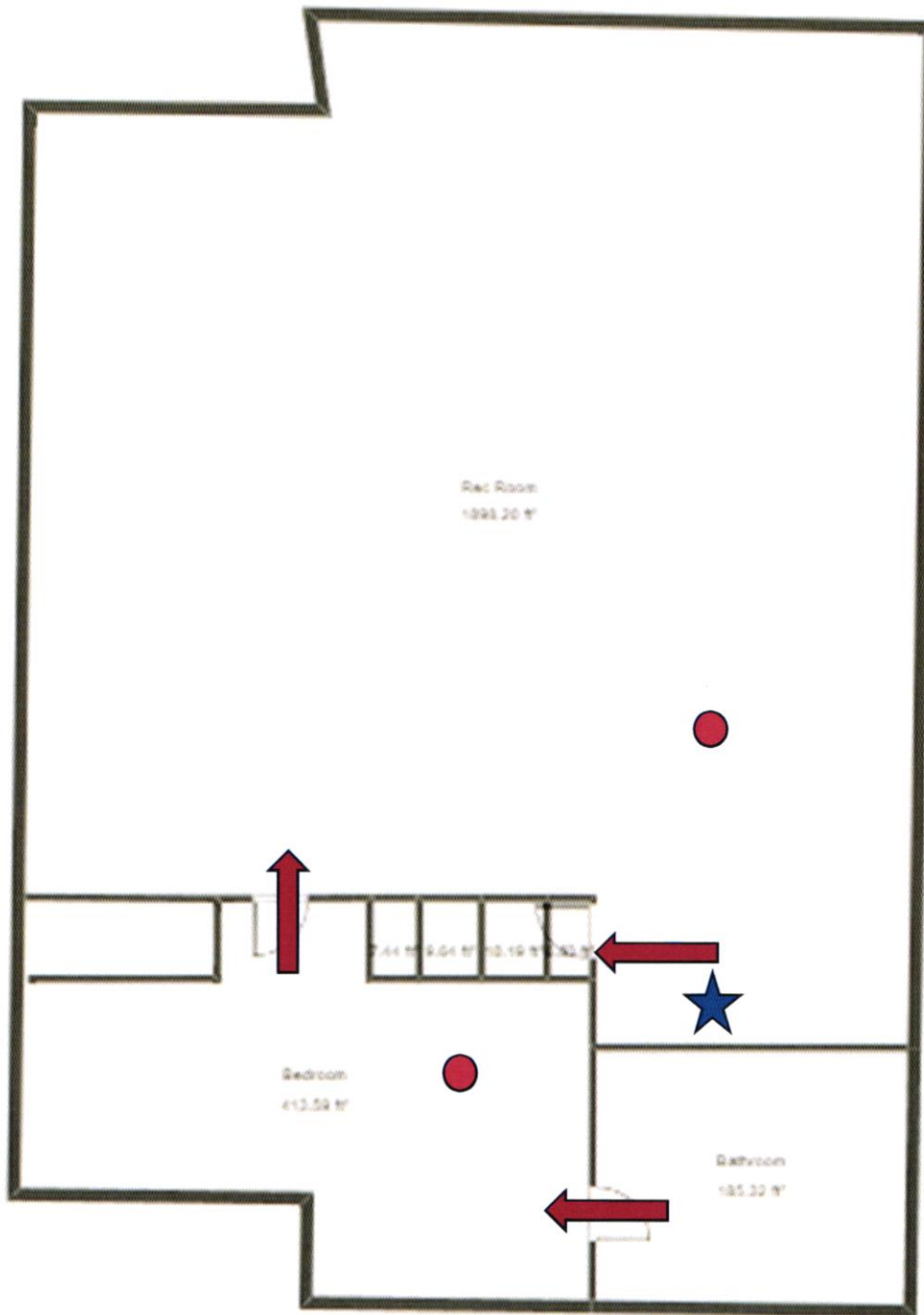


Smoke Detector



Electrical
Breakers

1533 Merriman Way Upper Level



● Smoke Detector

★
Fire extinguisher under
kitchen sink