

LAURIELLE REVOCABLE TRUST TAX PARCEL C-008-0694-066 INSTR. NO. 2017-22754

PP = POWER POLE P= OVERHEAD POWER T= OVERHEAD TELEPHONE C= OVERHEAD CABLEVISION GW = GUY WIRE

NOTE: THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, AND DOES NOT, THEREFORE, NECESSARILY INDICATE ALL ENCUMBRANCES ON THE PROPERTY.

# LOT SPLIT

PLAT OF PROPERTY SITUATED
ON THE SOUTHEAST CORNER
OF KENDALL ROAD AND
CLEARFIELD STREET
CITY OF RICHMOND, VIRGINIA
FEB. 12, 2019 SCALE: 1"=25'
REVISED MAY 28, 2019

Steven B. Kent CERTIFICATE No. 1686

5-2-8-19

STEVEN B. KENT & ASSOCIATES, P.C. LAND SURVEYORS

1521 Brook Road Richmond, VA 23220 PH. 804-643-6113

## CERTIFICATION

THIS IS TO CERTIFY THAT WE MADE AN ACCURATE FIELD SURVEY OF THE PREMISES SHOWN HEREON, THAT ALL IMPROVEMENTS AND VISIBLE EASEMENTS ARE SHOWN HEREON, THAT THERE ARE NO ENCROACHMENTS BY IMPROVEMENTS EITHER FROM ADJOINING PREMISES, OR FROM SUBJECT PREMISES, OTHER THAN SHOWN HEREON.

MONT



# CODE CONFORMANCE

# VIRGINIA

2012 INTERNATIONAL RESIDENTIAL CODE (IRC)
2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2011 NATIONAL ELECTRIC CODE (NEC)
2012 VIRGINIA UNIFORM STATEWIDE BUILDING CODE



- PLANS MAY BE REVERSED
- PLANS MAY BE MASTERED

FLAME SPREAD
<ul> <li>MAXIMUM FLAME SPREAD RATING FOR WALL AND CEILING FINISHES SHALL NOT EXCEED 200</li> </ul>
- Maximum Flame spread rating for insulation shall not exceed 25
SMOKE DEVELOPMENT
<ul> <li>MAXIMUM SMOKE DEVELOPED INDEX FOR WALL AND CEILING FINISHES SHALL NOT EXCEED 450</li> </ul>
<ul> <li>MAXIMUM SMOKE DEVELOPED RATING FOR INSULATION SHALL NOT EXCEED 450 PER ASTM E 84 OR UL 723</li> </ul>

PENLIPEMENT FOR INTERIOR FINISHES

F	LOOR, WALL, & ROOF SHEATH	ING
LOCATION	TYPE	SPAN RATING
FLOOR	- 19/32" T&G OSB - 23/32" T&G OSB	40/20 48/24
WALL	– 7/16" SE OSB – 19/32" SE OSB – 7/16" ZIP PANEL	24/16 40/20 24/16
ROOF	- 7/16" SE OSB - 7/16" SE OSB (tech sheld radiant barber)	24/16 24/16

VAPO	R BAR	rier_
LOCATION	R-VALUE	PAPER
FL00R	R-19 R-30	KRAFT-FACED KRAFT-FACED
WALL	R-13 R-15 R-19 R-21	IRAFT-FACED IRAFT-FACED IRAFT-FACED IRAFT-FACED
R00F	R-30 R-38	KRAFT-FACED KRAFT-FACED

# CERTIFICATION INFORMATION

CERTIFICATION INFORMATION LOCATED UNDER THE KITCHEN SINK:	
ONDER THE INTONER ORTH	

REFER TO "NOTE-1" ON FLOOR PLAN

- A) DATA PLATE
- B) 3rd PARTY INSPECTION LABEL
  C) STATE LABELS (ALL MODULES)
- CERTIFICATION INFORMATION LOCATED IN ADJACENT SECTIONS ON CLOSET WALL:

REFER TO "NOTE-2" ON FLOOR PLAN:

A) 3rd PARTY INSPECTION LABEL

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.

TYPICAL PLAN AND GENERAL NOTES

- 2. It is the purchasers 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.
- 3. HOUSE MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE SYSTEMS ARE AVAILABLE.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER TO ENSURE ANY SITE COMPLETION OF AN UNFINISHED AREA MEET LIGHT/VENTILATION, EGRESS, PLUMBING & ELECTRICAL REQUIREMENTS WHICH ARE SUBJECT TO INSPECTION BY LOCAL & OR STATE
- 5. HVAC SYSTEM WILL BE DESIGNED & INSTALLED ON SITE BY OTHERS PER STATE & LOCAL CODES & ENERGY CODES. SUBJECT TO INSPECTION BY LOCAL JURISDICTION.
- 6. IT SHALL BE THE RESPONSIBILITY OF THE PURCHASER TO INSTALL INSECT SCREENS. (EVERY DOOR, WINDOW AND OTHER OUTSIDE OPENING REQUIRED FOR VENTILATION PURPOSES SHALL BE SUPPLIED WITH APPROVED TIGHTLY FITTED SCREENS OF NOT LESS THAN 16 MESH PER INCH (16 MESH PER 25 MM) AND EVERY SCREEN DOOR USED FOR INSECT CONTROL SHALL HAVE A SELF-CLOSING DEVICE.)
- IF HVAC SYSTEM INSTALLED IN ATTIC AREA THE BUILDER IS RESPONSIBLE FOR INSTALLING UNIT TO COINCIDE 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.
- 2. Basement plans: Smoke detector wire coiled under floor for site installation of smoke detector by purchaser in the basemetn area. Smoke detectors wired for simultaneous operation.
- 3. GROUNDING ELCTRODE SYSTEM SITE INSTALLED BY PURCHASER PER STATE & LOCAL CODES SUBJECT TO INSPLECTION BY THE LOCAL JURISDICTION.

# TYPICAL PLUMBING NOTES

- 1. ALL SUPPLY, DRAIN, WASTE & VENT LINES TO BE SUPPORTED AT 4'-0" O.C.
- 2. PURCHASER TO SUPPLY & INSTALL ALL DWY & 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 STORIES AS NOTED ON THE FLOOR PLAN. ALL CONNECTIONS SUBJECT TO INSPECTION BY LOCAL JURISDICTION.
- 3. ALL VENTS SHALL TERMINATE MINIMUM 12" ABOVE THE ROOF.
- ALL FITTINGS, DRAIN WASTE & VENT PIPES SHALL BE PVC/DWV PIPE w/ SOLVENT WELDED JOINTS PER MANUFACTURER'S
  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 PLUMING CODE.
- 7. ALL PVC/DWV TO CONFORM TO CURRENT PLUMBING CODE.
- 8. ANTI-SCAULD FAUCETS INSTALLED ON ALL SHOWER FAUCETS.
- 9. PURCHASER RESPONSIBLE FOR FIRESTOPPING ALL FLOOR CUTOUTS AT TUB TRAPS.
- 10. HEATED WATER TO BATHTUBS/WHIRLPOOL TUBS LIMITED TO 120 DEGREES F. BY WATER TEMPERATURE LIMITING DEVICE CONFORMING TO CURRENT BLDG. CODE.

# TYPICAL FOUNDATION NOTES

### FOOTING NOTES:

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

### TYPICAL TERRACE NOTES:

- 1. EXTERIOR CONCRETE TO BE AIR ENTRAINED WITH A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI (OR LOCAL REQUIREMENT)
- 2. 4" CONC. OVER 6"X6" #8 WIRE MESH.
- 3. OFFSET CAP TO CARRY SLAB.
- 4. INSTALL METAL FLASHING BETWEEN CONC. & WOOD MEMBERS.
- 5. TERRACES TO BE CONSTRUCTED AFTER HOUSE IS SET ON FOUNDATION
- 6. PURCHASER RESPONSIBLE FOR ACCESSIBILITY INTO LIVING UNIT PER STATE & LOCAL CODE.

### OPTIONAL BASEMENT NOTES:

- 1. ALL BASEMENT DOORS & WINDOWS ARE SUPPLIED & INSTALLED BY PURCHASER.
- 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 & DAMPPROOFING 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:

### 90 MPH (3-SEC. GUST) AREAS & LESS:

- 1. PURCHASER TO TOENAIL PERIMETER OF FLOOR RIM TO SILL PLATE W/ 16D NAILS (NON-CORROSIVE TYPE) @ 16" O.C. FOR THE ENTIRE PERIMETER OF HOUSE.
- 2. NATIONWIDE SET CREW TO BOLT MATING WALL GIRDER TOGETHER W/ ½" DIA. BOLTS @ 4'-0" +- SPACING. WHEN CONDITIONS DO NOT PERMIT SET CREW TO INSTALL BOLTS DUE TO HEIGHT OR CRAWLSPACE CLEARANCE, PURCHASER IS RESPONSIBLE FOR INSTALLATION OF BOLTS.
- 3. SECOND LEVEL OF 2 STORY MODELS TO BE TOENAILED TO THE FIRST LEVEL CEILING PREMIER PLATE W/ 16D NAILS @ 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 90 MPH (3-SEC. GUST):

- PURCHASER RESPONSIBLE TO SUPPLY & INSTALL ALL FOUNDATION TO UNIT, PILING TO UNIT & UNIT TO UNIT WITH TIE DOWN STRAPS.
- 2. COMPLETION OF ROOF COMPONENT TIE DOWN PER "HIGH WIND CONST." DETAILS IS THE RESPONSIBILITY OF THE PURCHASER.
- PURCHASER RESPONSIBLE FOR ALL PILING 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 CRAWLSPACE 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 CASED DIMENSION NOTES: (IMPORTANT)

1. 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 OF CLARIFICATION OF DIMENSIONS ARE NEEDED PRIOR TO CONSTRUCTION.

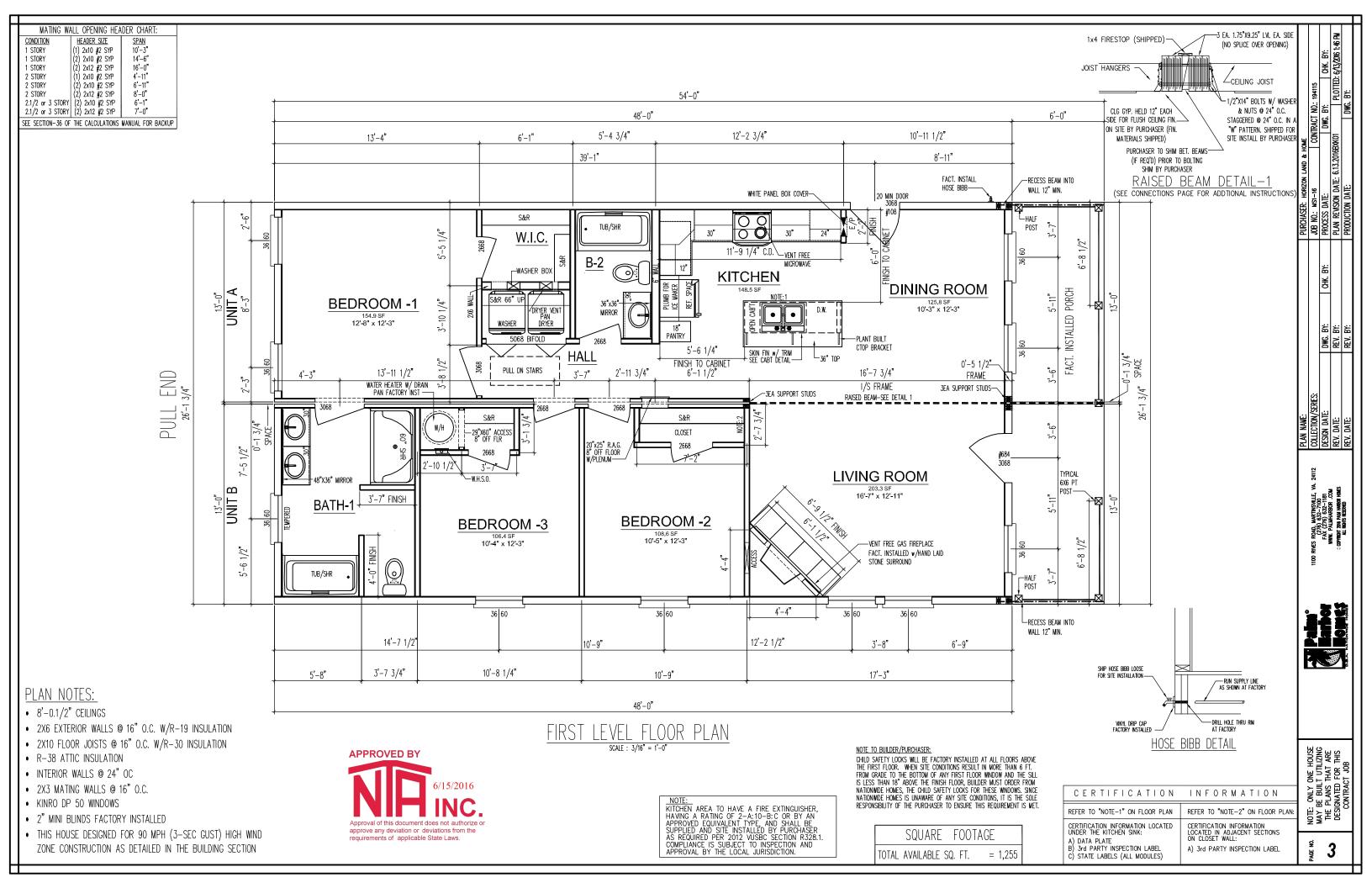
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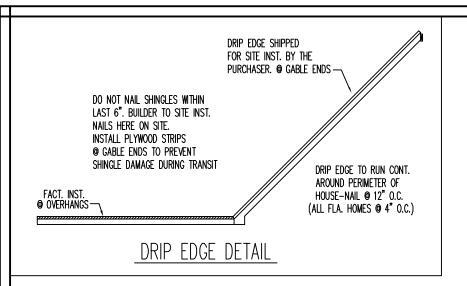
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NOTE: ONLY ONE HOUSE MAY BE BUILT UTILIZING THE PLANS THAT ARE DESIGNATED FOR THIS

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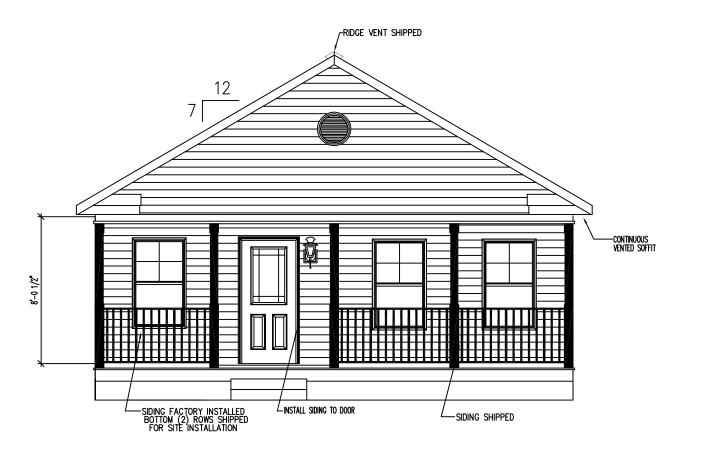


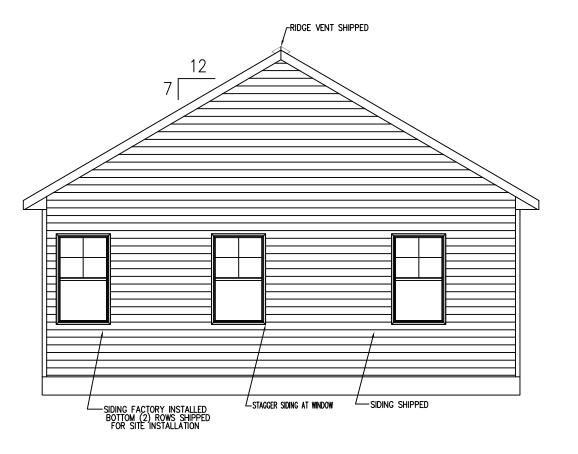


# VENTILATION CALCULATIONS

RIDGE VENT: 0.139 NET FREE AIR PER SQ.FT. 52 LF = 7.23 SQFT. NET FREE AIR VENTILATED SOFFIT: 0.041 NET FREE AIR PER SQ.FT.

104 LF = 4.26 SQFT. NET FREE AIR





FRONT ELEVATION

SCALE: 3/16" = 1'-0"

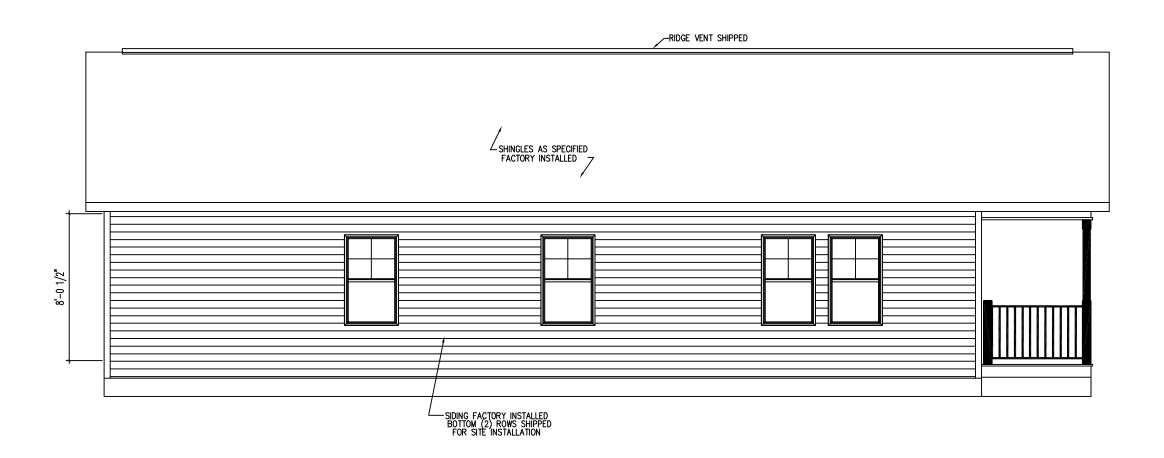
REAR ELEVATION

SCALE: 3/16" = 1'-0"

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

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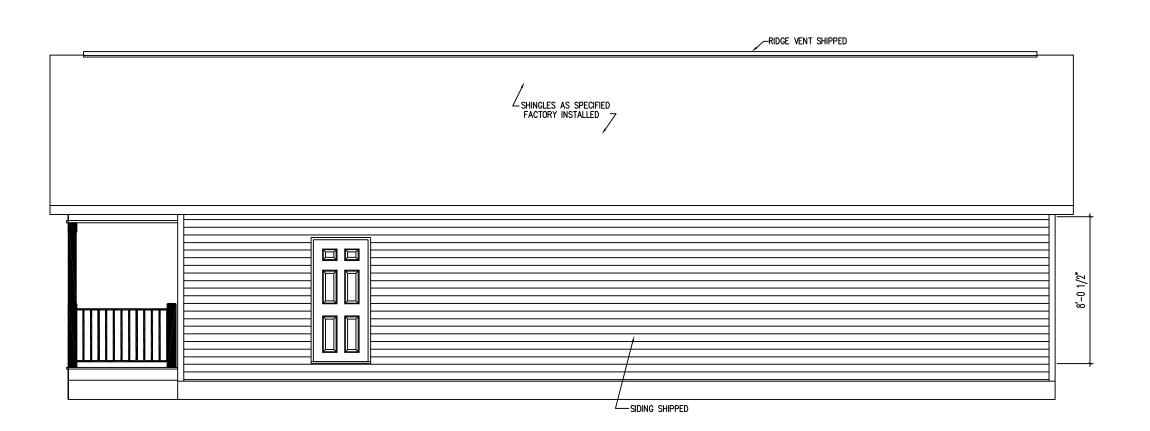
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RIGHT ELEVATION

SCALE: 3/16" = 1'-0"

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STEVEN B. KENT & ASSOCIATES, P.C. LAND SURVEYORS 1521 Brook Road Richmond, VA 23220 PH. 804-643-6113 CERTIFICATION

THE IS TO CART BY THAT WE MADE AN ACCURATE HELD SUPPLY OF THE PREMISTS SHOWN HEREON, THAT ALL MPTO/CHEWITS AND STREET EXCEMINES AND SHOWN HEREON. THAT THERE ARE NO INCONCENING BY BRITISHING ETHICS FROM AND/ONLY PREMISES, OR FROM SURJECT PREMISES, OTHER THAN SHOWN HEREON.

Mark