

**HVAC UNIT NOTE TO CONTRACTOR:**

- \* HVAC UNIT MANUFACTURER'S INSTALLATION LITERATURE SHALL BE PROVIDED BY CONTRACTOR PRIOR TO RECEIVING BUILDING PERMITS
- \* ATTIC MOUNTED HVAC UNIT SHALL REST ON 3/4" PLYWOOD SURFACE TO MEET SECTION M1401.1 AND N.J.A.C.5:23-2.15 (e) 1.v
- \* BASEMENT UNIT SHALL SIT OVER 4" THICK CONCRETE SLAB TO MEET SECTION M1401.1 AND N.J.A.C.5:23-2.15 (e) 1.v

**EXHAUST FAN NOTE TO CONTRACTOR:**

- \* BATHROOM EXHAUST FANS SHALL HAVE A MINIMUM VENTILATION RATE OF 50 CUBIC FEET PER MINUTE FOR INTERMITTENT VENTILATION OR 20 CUBIC FEET PER MINUTE FOR CONTINUOUS VENTILATION. VENTILATION AIR SHALL BE EXHAUSTED DIRECTLY TO THE OUTSIDE WITH NON COMBUSTIBLE DUCT

**FLEX DUCT LIMITATIONS NOTE(M1601.2):**

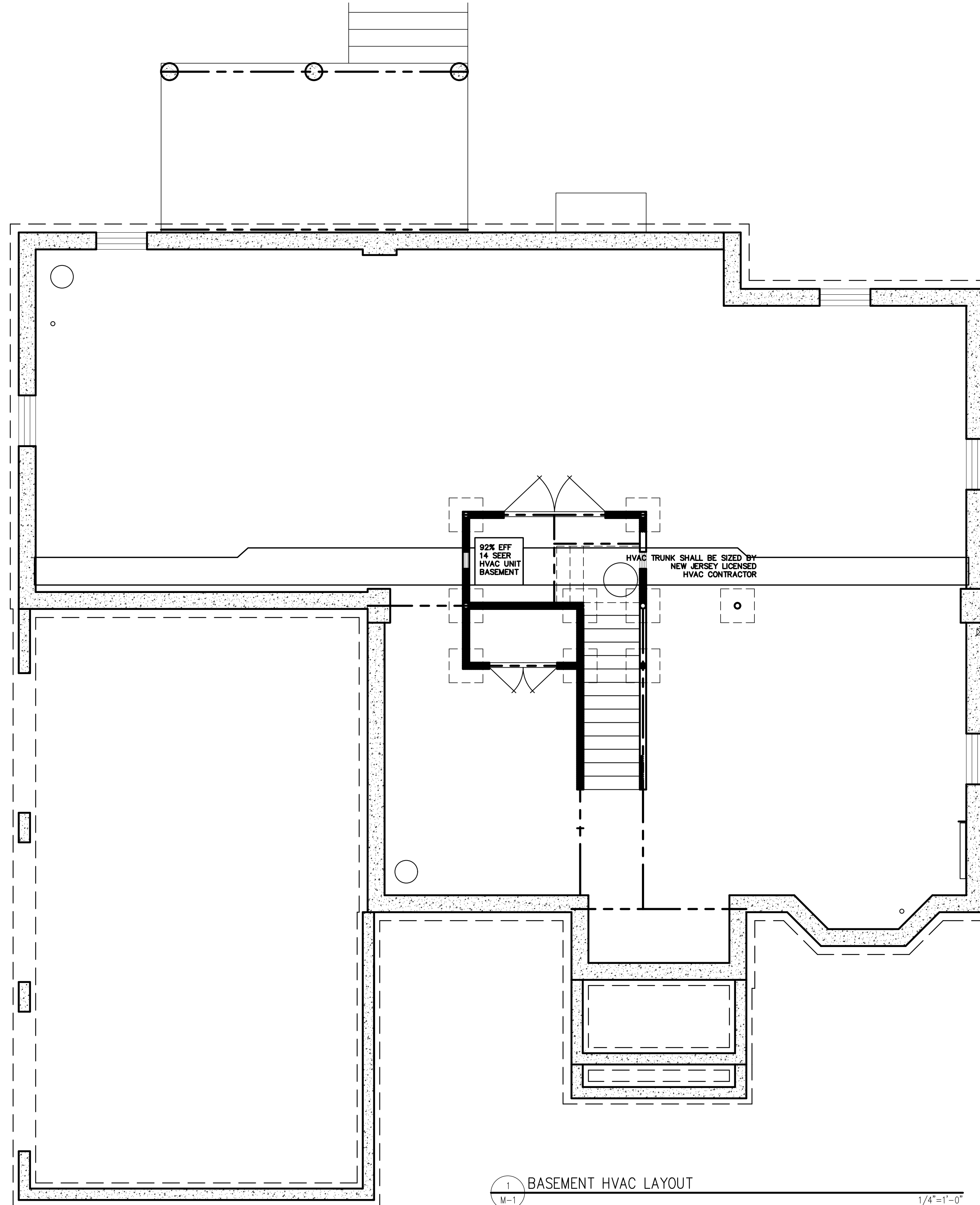
- \* FACTORY MADE DUCTS: FACTORY MADE AIR DUCTS OR DUCT MATERIAL SHALL BE PROVIDED FOR THE USE INTENDED, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BEAR A LISTING AND LABEL INDICATING COMPLIANCE WITH UL 181 AND UL 181A OR UL 181B.

**ATTIC DUCT INSULATION NOTE (M1601.3.4):**

- \*DUCT INSULATION SHALL BE IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
  1. A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM IN ACCORDANCE WITH ASTM E96, OR ALUMINUM FOIL WITH A MINIMUM THICKNESS OF 2 MILS (0.051 MM) SHALL BE INSTALLED ON THE EXTERIOR OF INSULATION ON COOLING SUPPLY DUCTS THAT PASS THROUGH NON-CONDITIONED SPACES CONDUCTIVE TO CONDENSATION.
  2. EXTERIOR DUCT SYSTEMS SHALL BE PROTECTED AGAINST THE ELEMENTS.
  3. DUCT COVERINGS SHALL NOT PENETRATE A FIREBLOCKED WALL OR FLOOR
  4. ALL DUCTS IN UN CONDITIONED SPACES MUST BE INSULATED WITH MIN. R-8 INSULATION

ALL 8" DIA. DUCTS CONNECTED TO THE REGISTERS MUST BE FLEXIBLE DUCTS

ALL HVAC PLANS/LAYOUTS WILL BE PROVIDED BY THE NJ LICENSED CONTRACTOR ON THE JOB PRIOR TO START OF WORK FOR REVIEW BY THE APPROPRIATE TOWNSHIP OFFICIAL(S)



1 BASEMENT HVAC LAYOUT  
M-1 1/4"=1'-0"

**BUILDING DEPARTMENT INFO**

	EXISTING	PROPOSED ADDITIONS
USE GROUP	R-5	R-5
CONSTRUCTION CLASS	5B	5B
SQUARE FOOTAGE	SEE COVER SHEET	
VOLUME	SEE COVER SHEET	
OCCUPANCY LOAD		
AREA OF LARGEST FLOOR ( SF)	SEE COVER SHEET	
<b>DESIGN LOAD TABLE:</b>		
FIRST FLOOR:	50 PSF LIVE	10 PSF DEAD
SECOND FLOOR:	40 PSF LIVE	10 PSF DEAD
ROOF:	30 PSF LIVE	10 PSF DEAD
WIND:	100 MPH (ASSUMED)	

**ZONING DATA:**

MUNICIPALITY	MARLBORO, NEW JERSEY
LOT NO	78.01
BLOCK NO.	153
ZONE	R-80

**SCOPE OF WORK:**  
ARCHITECTURAL PROPOSAL FOR:  
NEW 2 STORY SINGLE FAMILY HOME.

**ROBERT A. HERNANDEZ ARCHITECT LLC**  
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**ESK BUILDER INC.**  
CLIENT ADDRESS:  
136 BEACON HILL ROAD MARLBORO, NEW JERSEY LOT: 78.01 BLOCK: 153  
CLIENT CONTACT INFORMATION:  
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REVISION 2	MARCH 13, 2018
REVISION 1	FEBRUARY 2, 2018
REVISION #	REVISION DATE

DWGS ON THIS SHEET:  
ROBERT A. HERNANDEZ ARCHITECT

DATE: JANUARY 9, 2018	N.J. Reg. No. 18706 Cert. of Auth. AC-919 (NOT VALID UNLESS SEALED)
SCALE: AS SHOWN	
DRAWN BY R.A.H.	
CHECKED BY R.A.H.	
PROJECT NUMBER 16-049	PAGE: <b>M-1</b> SHEET: 10 OF 16