

DOOR SCHEDULE										
I	FLOOR	MANUFACTURER	SIZE			HEADER SIZE	STYLE			
			CALLOUT	ROUGH OPENING	MASONRY OPENING		DOOR TYPE / STYLE	SIDELITES	TRANSOM	T-AST.
1	BASEMENT	MARVIN	6068 SGD	72" x 82 1/2"	80" x 85 1/2"	MASONRY LINTEL	TWO PANEL SLIDING GLASS	-	-	-
2	FIRST	THERMA-TRU	3080 ENTRY w/ 12" S.L.'s	64 3/8" x 98 1/2"	-	(3) 2x12	81943P FIBERGLASS ENTRY	12" 81943P5L	-	-
3	FIRST	THERMA-TRU	3080 ENTRY	38 3/8" x 98 1/2"	-	(3) 2x12	81943P FIBERGLASS ENTRY	-	-	-
4	FIRST	MARVIN	12080 SGD	142" x 96"	-	(3) 1 3/4" x 11 7/8" LVL	FOUR PANEL SLIDING GLASS	-	-	-
5	FIRST	-	18080 GARAGE	18'-0" x 8'-0"	-	(3) 1 3/4" x 24" LVL (CONT.)	GARAGE DOOR (ROLL UP)	-	-	-
6	FIRST	-	9080 GARAGE	9'-0" x 8'-0"	-	(3) 1 3/4" x 24" LVL (CONT.)	GARAGE DOOR (ROLL UP)	-	-	-
7	FIRST	-	8070 GARAGE	8'-0" x 7'-0"	-	(3) 1 3/4" x 11 7/8" LVL (CONT.)	GARAGE DOOR (ROLL UP)	-	-	-
8	FIRST	THERMA-TRU	3080 F.R. (NOTE 2)	38 3/8" x 98 1/2"	-	(3) 2x12	55F8160 FIRE RATED STEEL ENTRY	-	-	-
9	FIRST	-	2480	30" x 99"	-	NOTE 1	SINGLE INTERIOR - G PANEL	-	-	-
10	FIRST	-	2880	34" x 99"	-	NOTE 1	SINGLE INTERIOR - G PANEL	-	-	-
11	FIRST	-	3080	38" x 99"	-	NOTE 1	SINGLE INTERIOR - G PANEL	-	-	-
12	FIRST	-	5080	62" x 99"	-	NOTE 1	DOUBLE INTERIOR - G PANEL	-	-	-
13	FIRST	-	2880 PKT	65" x 106 1/8"	-	NOTE 1	SINGLE INTERIOR POCKET - G PANEL	-	-	-
14	FIRST	T.B.D.	3080 C.O. w/ DOGGIE PKT DOOR	T.B.D.	-	T.B.D.	C.O. w/ DOGGIE POCKET DOOR	-	-	-
15	FIRST	-	3080 BARN	38" x 99"	-	NOTE 1	SINGLE INTERIOR - BARN DOOR	-	-	-
16	SECOND	-	2468	30" x 83"	-	NOTE 1	SINGLE INTERIOR - G PANEL	-	-	-
17	SECOND	-	2668	32" x 83"	-	NOTE 1	SINGLE INTERIOR - G PANEL	-	-	-
18	SECOND	-	2868	34" x 83"	-	NOTE 1	SINGLE INTERIOR - G PANEL	-	-	-
19	SECOND	-	5068	62" x 83"	-	NOTE 1	DOUBLE INTERIOR - G PANEL	-	-	-
20	SECOND	-	6068 BARN	74" x 83"	-	NOTE 1	DOUBLE INTERIOR - BARN DOOR	-	-	-

NOTE 1: DOORS IN NON-BEARING WALLS TO HAVE (1) 2x4 FLAT UP TO 4' OPENING, OVER 4' OPENING USE (2) 2x4s ON EDGE.  
NOTE 2: SELF CLOSING FIRE RATED DOOR

WINDOW SCHEDULE										
I	FLOOR	MANUFACTURER	WINDOW SIZE			HEADER SIZE	SILL HEIGHT	HEADER HEIGHT	WINDOW TYPE	
			CALLOUT	ROUGH OPENING	UNIT SIZE				STYLE	TEMPERED
1	BASEMENT	MARVIN	A3719	37" x 19 5/8"	36 1/2" x 19 5/8"	FLUSH BEAM BY FLOOR MANUF.	7'-0 3/8" (NOTE A)	8'-8" (NOTE A)	BASEMENT HOPPER	NO
2	FIRST	MARVIN	DH3672-2	72" x 72 1/4"	71 1/2" x 72"	(3) 2x12	3'-6 3/4" (NOTE B)	9'-7" (NOTE B)	TWIN DOUBLE HUNG	NO
3	FIRST	MARVIN	DH3672	36 1/2" x 72 1/4"	36" x 72"	(3) 2x12	2'-4 5/8"	8'-4 7/8"	DOUBLE HUNG	NO
3a	FIRST	MARVIN	DH3672	36 1/2" x 72 1/4"	36" x 72"	(3) 1 3/4" x 11 1/4" LVL	2'-4 5/8"	8'-4 7/8"	DOUBLE HUNG	NO
4	FIRST	MARVIN	DH3672-2	72" x 72 1/4"	71 1/2" x 72"	(3) 2x12	2'-4 5/8"	8'-4 7/8"	TWIN DOUBLE HUNG	NO
5	FIRST	MARVIN	P4927	49" x 27 5/8"	48 1/2" x 27 5/8"	(3) 2x12	6'-1 1/2"	8'-4 7/8"	PICTURE	NO
6	FIRST	MARVIN	DH3256	32 1/2" x 56 1/4"	32" x 56"	(3) 2x12	3'-8 5/8"	8'-4 7/8"	DOUBLE HUNG	NO
7	FIRST	MARVIN	G6048	60 1/2" x 48 1/2"	60" x 48"	(3) 1 3/4" x 11 1/4" LVL	4'-4 5/8"	8'-4 7/8"	GLIDER	NO
8	SECOND	MARVIN	DH3672-2	72" x 72 1/4"	71 1/2" x 72"	(3) 2x12	1'-10 5/8"	7'-10 7/8"	TWIN DOUBLE HUNG	NO
9	SECOND	MARVIN	DH3672	36 1/2" x 72 1/4"	36" x 72"	(3) 2x12	1'-10 5/8"	7'-10 7/8"	DOUBLE HUNG	NO
10	SECOND	MARVIN	DH3672-2	72" x 72 1/4"	71 1/2" x 72"	(3) 2x12	8'-6 15/16" (NOTE C)	14'-7 3/16" (NOTE C)	TWIN DOUBLE HUNG	NO
11	SECOND	MARVIN	DH3648	36 1/2" x 48 1/4"	36" x 48"	(3) 2x12	3'-10 5/8"	7'-10 7/8"	DOUBLE HUNG	NO
12	DORMER	MARVIN	DH3648	36 1/2" x 48 1/4"	36" x 48"	(3) 2x12	11'-9 3/4" (NOTE D)	15'-10" (NOTE D)	DOUBLE HUNG	NO

NOTE A: HEIGHT FROM TOP OF CONCRETE SLAB  
NOTE B: HEIGHT FROM TOP OF CONC. FOUNDATION WALL  
NOTE C: HEIGHT FROM TOP OF FIRST FLOOR DECK  
NOTE D: HEIGHT FROM TOP OF SECOND FLOOR DECK

THE FOLLOWING JACK / STUD SCHEDULE WILL BE USED UNLESS NOTED OTHERWISE:

EXTERIOR BEARING WALLS (MIN. UNLESS NOTED):

OPENING:	ROOF ONLY	ROOF # FLOOR	ROOF # 2 FLOORS
UP TO 3'-0"	1J # 15	1J # 15	1J # 15
3'-0" TO 5'-0"	1J # 15	1J # 15	2J # 15
5'-0" TO 7'-0"	2J # 15	2J # 15	2J # 25
7'-0" TO 9'-0"	2J # 15	2J # 15	2J # 25
9'-0" TO 12'-0"	2J # 15	2J # 15	3J # 25

INTERIOR BEARING WALLS (MIN. UNLESS NOTED):

OPENING:	1 FLOOR	2 FLOORS
UP TO 3'-0"	1J # 15	1J # 15
3'-0" TO 6'-0"	2J # 15	2J # 25
6'-0" TO 9'-0"	2J # 15	3J # 25
9'-0" TO 12'-0"	3J # 15	4J # 35

J = JACK UNDER HEADER  
S = STUD NAILED TO JACK ALONG SIDE HEADER

NOTE:  
ALL JACKS AND STUDS ASSUMED TO BE 2x4  
SPF - 2 OR BETTER WITH A MAXIMUM WALL HEIGHT OF 10'-1 1/8"

PROFESSIONAL CERTIFICATION



"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 15453, Expiration Date: July 2, 2023."

Geoffrey A. Tizard, II, P.E.  
5 LEADBURN COURT  
TOWSON, MARYLAND 21204

2018 IECC CODE COMPLIANCE

- R301.1 CLIMATE ZONE 4A
  - R401.2 COMPLIANCE METHOD: MANDATORY AND PRESCRIPTIVE PROVISIONS
  - R402.1.1 VAPOR RETARDER: WALL ASSEMBLIES IN THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH VAPOR RETARDER REQUIREMENTS OF SECTION R702.7 OF THE INTERNATIONAL RESIDENTIAL CODE, 2015 EDITION.
  - R402.1.2 ATTIC INSULATION: RAISED HEEL TRUSSES R-49 R-38
  - R402.1.2 WOOD FRAME WALL: R-20 OR R-13 + R5 CONTINUOUS INSULATION.
  - R402.1.2 BASEMENT WALL INSULATION: R-13R-10 FOIL FACED CONTINUOUS, UNINTERRUPTED BATTS FULL HEIGHT
  - R402.1.2 CRAWL SPACE WALL INSULATION: R-13R-10 FOIL FACED CONTINUOUS BATTS FULL HEIGHT EXTENDING FROM FLOOR ABOVE TO FINISH GRADE LEVEL AND THEN VERTICALLY OR HORIZONTALLY AN ADDITIONAL 2'-0".
  - R402.1.2 FLOOR INSULATION OVER UNCONDITIONED SPACES: R-19 BATT INSULATION
  - R402.1.2 WINDOW U-VALUE/SHGC .32 (U-VALUE) .40 (SHGC)
  - R402.2.10 SLAB ON GRADE FLOORS LESS THAN 12' BELOW GRADE: R-10 RIGID FOAM BOARD UNDER SLAB EXTENDING EITHER 2'-0" HORIZONTALLY OR 2'-0" VERTICALLY
  - R402.2.4 ATTIC ACCESS: ATTIC ACCESS SCUTTLE WILL BE WEATHERSTRIPPED AND INSULATED R-49
  - R402.4 BUILDING THERMAL ENVELOPE (AIR LEAKAGE): EXTERIOR WALLS AND PENETRATIONS WILL BE SEALED PER THIS SECTION OF THE 2015 IECC WITH CAULK, GASKETS, WEATHERSTRIPPING OR AN AIR BARRIER OF SUITABLE MATERIAL. SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW SEALING FOR DIFFERENTIAL EXPANSION AND CONTRACTION.
  - R402.4.1.2 BUILDING THERMAL ENVELOPE TIGHTNESS TEST: BUILDING ENVELOPE SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 3 AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 779 OR ASTM E 1827 WITH (BLOWER DOOR) AT A PRESSURE OF 0.2 INCHES W.G. (50 PASCALS). TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE THIRD PARTY CONDUCTING THE TEST AND PROVIDED TO THE BUILDING INSPECTOR.
  - R402.4.2 FIREPLACES: NEW WOOD BURNING FIREPLACES WILL HAVE TIGHT-FITTING FIRE DAMPERS OR DOORS, AND OUTDOOR COMBUSTION AIR. FIREPLACE DOORS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 127 (FACTORY BUILT FIREPLACE) AND UL 907 (MASONRY FIREPLACE).
  - R402.4.4 ROOMS CONTAINING FUEL-BURNING APPLIANCES WHERE OPEN COMBUSTION AIR DUCTS PROVIDE COMBUSTION AIR TO OPEN COMBUSTION FUEL BURNING APPLIANCES, THE APPLIANCES AND COMBUSTION AIR SHALL BE LOCATED OUTSIDE THE BUILDING THERMAL ENVELOPE OR ENCLOSED IN A ROOM ISOLATED FROM INSIDE THE THERMAL ENVELOPE. EXCEPTION: 1. DIRECT VENT APPLIANCES WITH BOTH INTAKE AND EXHAUST PIPES INSTALLED CONTINUOUS TO THE OUTSIDE. 2. FIREPLACES AND STOVES COMPLYING WITH SECTION R402.4.2 AND SECTION R1006 OF THE IRC.
  - R402.4.5 RECESSED LIGHTING: RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE.
  - R403.1.1 THERMOSTAT: ALL DWELLING UNITS WILL HAVE AT LEAST (1) PROGRAMMABLE THERMOSTAT FOR EACH SEPARATE HEATING AND COOLING SYSTEM PER 2015 IECC SECTION 403.1.1.
  - R403.1.2 WHERE A HEAT PUMP SYSTEM HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT IS USED THE THERMOSTAT SHALL PREVENT THE SUPPLEMENTARY HEAT FROM COMING ON WHEN HEAT PUMP CAN MEET HEATING LOAD
  - R403.3.1 MECHANICAL DUCT INSULATION: SUPPLY AND RETURN DUCTS IN ATTIC R-8 MINIMUM, R-6 WHEN LESS THAN 3 INCHES. SUPPLY AND RETURN DUCTS OUTSIDE OF CONDITIONED SPACES R-8 MINIMUM. ALL OTHER DUCTS EXCEPT THOSE LOCATED COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE R-6 MINIMUM. DUCTS LOCATED UNDER CONCRETE SLABS MUST BE R-6 MINIMUM.
  - R403.3.2 DUCT SEALING: ALL DUCTS, AIR HANDLERS, FILTER BOXES WILL BE SEALED. JOINTS AND SEAMS WILL COMPLY WITH SECTION M1601.4.1 OF THE IRC. A DUCT TIGHTNESS TEST (DUCT BUSTER/ DUCT TOTAL LEAKAGE TEST) WILL BE PERFORMED ON ALL HOMES AND SHALL BE VERIFIED BY EITHER A POST CONSTRUCTION TEST OR A ROUGH-IN TEST. DUCT TIGHTNESS TEST IS NOT REQUIRED IF THE AIR HANDLER AND ALL DUCTS ARE LOCATED WITHIN THE CONDITIONED SPACE.
  - R403.6 MECHANICAL VENTILATION: OUTDOOR (MAKE-UP AND EXHAUSTS) AIR DUCTS TO BE PROVIDED WITH AUTOMATIC OR GRAVITY DAMPER THAT CLOSURES WHEN THE VENTILATION SYSTEM IS NOT OPERATING.
  - R403.6.1 WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICIENCY TO COMPLY WITH TABLE R403.6.1.
  - R403.7 EQUIPMENT SIZING SHALL COMPLY WITH R403.7.
  - R404.1 LIGHTING EQUIPMENT: A MINIMUM OF 75% OF ALL LAMPS (LIGHTS) MUST BE HIGH-EFFICIENCY LAMPS.
- THIS CONTRACTOR ALSO RESPONSIBLE FOR GENERATING CERTIFICATE OF COMPLIANCE AND AFFIXING TO ELECTRICAL PANEL OR WITHIN 6 FEET OF THE ELECTRICAL PANEL AND BE READILY VISIBLE.

DESIGN LOADS

- DESIGN LIVE LOADS:
  - ROOF: 30 PSF
  - SLEEPING FLOORS: 40 PSF
  - LIVING FLOORS: 40 PSF
  - EXTERIOR DECKS: 40 PSF
  - STAIRS: 40 PSF
  - GARAGE SLABS: 50 PSF
  - ATTIC AREAS:
    - UNACCESSIBLE: 10 PSF
    - ACCESSIBLE: 20 PSF
- DESIGN DEAD LOADS:
  - ROOF: 10 PSF
  - CEILING: 10 PSF
  - SLEEPING FLOORS: 15 PSF
  - LIVING FLOORS: 20 PSF
- WIND LOAD: 16 PSF (EXPOSURE C)
- FLUID PRESSURE: 30 PCF MAXIMUM LOADS GREATER THAN 30 PCF REQUIRE FOUNDATION TO WALLS TO BE ENGINEERED
- SOIL BEARING: 2000 PSF (ASSUMED)
- GUARDRAILS: 200# AT ANY POINT IN ANY DIRECTION

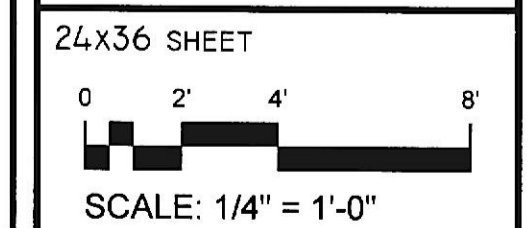
NORRISVILLE DRAFTING  
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443-617-6352  
NORRISVILLE DRAFTING@GMAIL.COM

GB GRIFFITHS BUILDERS  
443-250-2736  
EDGRIFFITHS@COMCAST.NET

MILLER RESIDENCE  
1312 AINTREE ROAD  
TOWSON, MD 21286

REV. #	DESCRIPTION	DATE
4	REVISIONS	2-23-21
5	REVISIONS	2-26-21
6	REVISIONS	3-3-21
7	REVISIONS	4-12-21
8	REVISIONS	5-9-21
9	REVISIONS	5-17-21

MODEL: CUSTOM  
DRAWN BY: JAT  
DWG DATE: 11/13/20



SHEET TITLE:

SCHEDULES

SHEET: A-400