

HELVA GOOD BUILDER

CONSTRUCT AVE

MEADVILLE, PA 16335



NAME	COLOR	AREA
Area 2		2376.7 sq ft
Area 4		479.2 sq ft
Area 5		54.4 sq ft
Area 6		2302.9 sq ft

NEW YORK STATE RESIDENTIAL BUILDING CODE 2015
NEW YORK STATE ENERGY CONSERVATION IECC2015

MINIMUM DESIGN LOADS:

ROOF LOAD: 50# G&L
ROOF LIVE LOAD: 30# FT2
ROOF DEAD LOAD: 17# FT2

FLOOR LOAD:
FLOOR LIVE LOAD: 40# FT2
FLOOR DEAD LOAD: 17# FT2

SEISMIC DESIGN CATEGORY: B
WIND SPEED: 115 MPH
SBC: 3000#

Climate and Geographic Design Criteria

Ground Snow Load	Wind Speed	Seismic Design Category	Weathering	Frost Depth	Termite	Ice Shield Underlayment Required	Flood Hazards
50 #	115 MPH	B	Severe	42"		2FT Inside of Exterior Walls	

PRODUCT CODE	SIZE	COUNT	R.O. WIDTH	R.O. HEIGHT	HEADER	EGRESS	TYPE	HEIGHT
244DH3056-2RD	6'-0" x 7'-3 1/2"	1	6'-1 1/2"	7'-4 1/2"	0"	Yes	WINDOW	7'-3 1/2"
192X84 - 1 PANEL	16'-0"	1	16'-3"	7'-1 1/2"	0"	Yes	GARAGE	7'-0"
42X80 BIFOLD COLONIAL 2	3'-8"	1	3'-8"	6'-10 1/2"	9 1/2"	No	BIFOLD	6'-8"
18X80 COLONIAL A 1	1'-6"	1	1'-8"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
24X80 COLONIAL A 1	2'-0"	1	2'-2"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
28X80 COLONIAL A 1	2'-4"	1	2'-6"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
30X80 COLONIAL A 1	2'-6"	1	2'-8"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
32X80 COLONIAL A 1	2'-8"	1	2'-10"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
34X80 COLONIAL A 1	2'-10"	1	3'-0"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
36X80 COLONIAL A 1	3'-0"	4	3'-2"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
36X80 COLONIAL A 1	3'-0"	1	3'-2"	6'-11"	9 1/2"	Yes	DOOR	6'-8"
48X80 FRENCH A 2	4'-0"	2	4'-2"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
56X80 FRENCH A 2	4'-8"	1	4'-10"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
FRENCH Colonial	4'-8"	2	4'-10"	6'-10 1/2"	9 1/2"	Yes	DOOR	6'-8"
30X80 GLASS	2'-6"	1	2'-6"	6'-10 1/2"	0"	Yes	DOOR	6'-8"
1SPD3176AL	3'-0 1/2"	1	3'-1"	7'-6"	0"	Yes	DOOR	7'-5 1/2"
244DH3049	2'-11 1/2" x 4'-8 1/2"	2	3'-0"	4'-9"	9 1/2"	Yes	WINDOW	4'-8 1/2"
G44	3'-11 1/2" x 3'-11 1/2"	1	4'-0"	4'-0"	9 1/2"	Yes	SLIDING WINDOW	3'-11 1/2"
36X36 CASEMENT 2-MODIFIED	5'-0" x 3'-0"	1	5'-1"	3'-1"	9 1/2"	No	WINDOW	3'-0"
D-Window	2'-4" x 4'-0"	3	2'-5 1/2"	4'-1 1/2"	0"	No	WINDOW	4'-0"
60X48 DOUBLE HUNG 2	5'-0" x 4'-0"	1	5'-1"	4'-1"	9 1/2"	No	WINDOW	4'-0"
4X8 GLASS BLOCK-MODIFIED	4'-0" x 2'-0"	2	4'-0 1/2"	2'-0 1/2"	9 1/2"	No	GLASS BLOCK	2'-0"
34X24 TRANSOM-MODIFIED	2'-0" x 1'-4"	1	2'-1"	1'-5"	0"	No	WINDOW	1'-4"
36X24 TRANSOM	3'-0" x 2'-0"	1	3'-0"	2'-0"	9 1/2"	No	WINDOW	2'-0"
48X24 TRANSOM	4'-0" x 2'-0"	1	4'-0"	2'-0"	9 1/2"	No	WINDOW	2'-0"

ROOF INFORMATION

MANUFACTURED ROOF TRUSSES MUST BE SUBMITTED AND REVIEWED BY ARCHITECT BEFORE CONSTRUCTION.

ENGINEERED ROOF TRUSSES SUPPLIED BY:

XXXXXXXXXXXX
XXXXXXXXXXXX

REF. JOB # XXXXXXXX

R806.1 Ventilation Required

Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.1.

R806.2 Minimum Area

The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor barrier is installed on the warm-in-winter side of the ceiling.

FOOTERS

JUMP FOOTING: SEE SECTION C JUMP FOOTING

1809.3 Stepped Footings

The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope).

FIRE BLOCKING

R302.11.1 Fireblocking Materials
Except as provided in Section R302.11, Item 4, fireblocking shall consist of the following materials.

- Two-inch (51 mm) nominal lumber.
- Two thicknesses of 1-inch (25.4 mm) nominal lumber with broken lap joints.
- One thickness of 23/32-inch (18.3 mm) wood structural panels with joints backed by 23/32-inch (18.3 mm) wood structural panels.
- One thickness of 3/4-inch (19.1 mm) particleboard with joints backed by 3/4-inch (19.1 mm) particleboard.
- One-half-inch (12.7 mm) gypsum board.
- One-quarter-inch (6.4 mm) cement-based millboard.
- Batts or blankets of mineral wool or glass fiber or other approved materials installed in such a manner as to be securely retained in place.
- Cellulose insulation installed as tested in accordance with ASTM E118 or UL 263, for the specific application.

R302.11 Fireblocking
In combustible construction, fireblocking shall be provided to cut off both vertical and horizontal concealed draft openings and to form an effective fire barrier between stories, and between a top story and the roof space.

Fireblocking shall be provided in wood-framed construction in the following locations:

- In concealed spaces of stud walls and partitions, including furred spaces and parallel rows of studs or staggered studs, as follows:
 - Vertically at the ceiling and floor levels.
 - Horizontally at intervals not exceeding 10 feet (3048 mm).
- At interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and cove ceilings.
- In concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall comply with Section R302.1.
- At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion. The material filling this annular space shall not be required to meet the ASTM E 136 requirements.
- For the fireblocking of chimneys and fireplaces, see Section R1003.19.
- Fireblocking of cornices of a two-family dwelling is required at the line of dwelling unit separation.

GENERAL NOTES:

All dimensions are to exterior face of sheathing unless noted otherwise. All interior dimensions are to inside stud face. All foundation over-all dimensions are to face of concrete wall.

All foundation walls are to be reinforced poured concrete 8' in height except for garage and porches that will be un-excavated. These walls 3'-4" excluding 6" footer. If final grade levels are different than shown on these drawing this wall height may vary.

All main floor walls are to be 10'-1-1/8" in height except for garage walls which will compensate for the floor container and will be 10'-11-1/8" in height.

Floor container will include a pressure treated sill plate and sill sealer. Main foundation walls (basement area) to be insulated with R11 fiberglass insulation.

All exterior opening headers are to be a min. of double 2x10 lumber. Unless noted otherwise.

Exterior finishes and trim are shown as a reference only. These finishes should be verified by the builder and owner.

Kitchen layout is shown as a rough reference only. Final kitchen layout dimensions and products to be verified with the general contractor. Also note that the kitchen window location is based on the position of the kitchen sink and should be verified before framing of opening. Opening schedule is based on the information provided when plans were drawn and should be verified before construction.

It is the sole responsibility of the General Contractor to make sure all construction codes are followed. These are subject to be changed by local code enforcement officials.

Manufactured Roof Trusses
Drawings contained in this plan set are for general reference only. The design layout and engineering are the responsibility of the manufacturer. The design and layout may be modified by the supplier. All mechanical connections and nailing guidelines will also be provided by the manufacturer. Handling, erecting and bracing, both temporary and permanent shall be the contractor's responsibility. Raised truss heels must be covered by the extension of the wall sheathing. Roof framing to be manufactured roof trusses. Trusses are to be designed and engineered by supplier. All roof trusses are to be temporarily and permanently braced according to BC61. All trusses and rafters to receive a properly sized hurricane tie. All overhangs are IFT unless noted otherwise. Ice & Water Shield is required on all roof edges and valleys. The ice and water shield to extend 2FT beyond inside face on exterior wall. Perforated soffit is required on all horizontal eaves ends. Ridge vent is to be used on any horizontal ridges.

Smoke detectors are required to be interconnected with battery back-up and are required in all bed rooms and sleeping hallways and on each floor level. CO2 Detectors are required on each floor and in any hallway access to sleeping areas.

FOUNDATION

R406.1 Concrete and Masonry Foundation Dampproofing

Except where required by Section R406.2 to be waterproofed, foundation walls that retain earth and enclose interior spaces and floors below grade shall be dampproofed from the higher of (a) the top of the footing or (b) 6 inches (152 mm) below the top of the basement floor, to the finished grade. Masonry walls shall have not less than 3/8 inch (9.5 mm) portland cement parging applied to the exterior of the wall. The parging shall be dampproofed in accordance with one of the following:

- Bituminous coating.
- Three pounds per square yard (1.63 kg/m²) of acrylic modified cement.
- One-eighth-inch (3.2 mm) coat of surface-bonding cement complying with ASTM C 887.
- Any material permitted for waterproofing in Section R406.2.
- Other approved methods or materials.

Exception: Parging of unit masonry walls is not required where a material is approved for direct application to the masonry.

Concrete walls shall be dampproofed by applying any one of the listed dampproofing materials or any one of the waterproofing materials listed in Section R406.2 to the exterior of the wall.

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APPROVED: _____ CHECKED BY: _____

SECTION LETTER: A PAGE NUMBERS: 11

SCALE: 1/4" = 1'-0"

DRAWN BY: _____ DATE: 2/18/2020

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NEW HOME ROAD
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BUILDERS SUPPORT, LLC

JOE HOME OWNER