

MINIMUM INSULATION REQUIREMENTS:

- USING THE CODE "PRESCRIPTIVE METHOD," BELOW ARE THE MINIMUM INSULATION LEVELS REQUIRED. THE "PRESCRIPTIVE METHOD" IS VISUALLY FIELD VERIFIABLE, AND IS BASED SOLELY ON THE ACTUAL INSULATION MATERIALS INSTALLED. THE FRAMING, DRYWALL, SHEATHING, ETC. DOES NOT CONTRIBUTE.
- EASTERN PA IS IN THE BORDER AREA BETWEEN CLIMATE ZONE 4 & 5, THE HIGHER VALUES ARE SHOWN.

LOCATION	MIN. INSULATION FACTOR	DESCRIPTION
WINDOW GLAZING	U-0.35 MAX.	THIS IS WINDOWS AND DOOR GLAZING. UNITS MUST DISPLAY THE MANUFACTURE'S DATA
CEILINGS	R-38	THIS IS THE HIGHEST CEILING UNDER THE ATTIC DECK, IF A "FLAT" ROOF OR CATHEDRAL CEILING THIS IS THE RATING REQUIRED IN THE RAFTERS
WALLS	R-19	THIS IS PERIMETER ABOVE GRADE EXTERIOR WALLS.
SLAB PERIMETER	R-10	SLABS MUST BE SEPARATED FROM THE EARTH BY THIS RATING FOR A MINIMUM DISTANCE OF 24" EITHER VERTICALLY AGAINST THE FOUNDATION WALL, OR HORIZONTALLY UNDER THE SLAB IN FROM THE EXTERIOR. (NOTE: THIS ARCHITECT RECOMMENDS 36", OR MORE, AS THE MIN. DISTANCE FOR REAL ENERGY SAVING)

FIBERGLASS ROOF SHINGLE SYSTEM

- U.L. INC. LISTING CLASS "A". FIRE RATING: U.L. INC. LISTING CLASS "A".
- MAINTENANCE STOCK SHALL BE 2% OF EACH TYPE/COLOR/TEXTURE OF SHINGLE USED IN THE WORK. DELIVER TO OWNER'S GARAGE FOR STORAGE.
- PROVIDE BLACK ALUMINUM METAL DRIP EDGES AT ALL, EAVE AND GABLE, ROOF EDGES.
- FELT UNDERLAYMENT SHALL COMPLY WITH ASTM D 250. MIN. 30 LB.
- ICE DAM PREVENTION MEMBRANE (ICE SHIELD) SHALL BE INSTALLED STARTING AT THE EAVE EDGE, AND EXTEND A MIN. 36" UP THE ROOF SLOPE, MEASURED FROM THE INTERIOR FACE OF THE WALL BELOW, SHALL BE COMPATIBLE WITH THE SHINGLE SELECTED.
- VALLEY FLASHINGS SHALL BE TRADITIONAL EXPOSED METAL WITH MIN. 2" EXPOSURE UP EACH OPPOSING ROOF SLOPE. USE COPPER OR VERIFY OWNER'S APPROVAL FOR OTHER MATERIAL. USE ICE DAM MEMBRANE UNDER ALL VALLEYS.
- ABUTTING ALL VERTICAL SURFACES, INSTALL METAL STEP FLASHING, IN COMPLIANCE WITH RECOMMENDATIONS OF THE NRCA STEEP ROOF MANUAL. BUILT IN FLASHING AS WORK PROGRESSES, WORKING BETWEEN SHINGLES AS THEY ARE LAID. WHEREVER STEP FLASHINGS ARE REQUIRED, PROVIDE EXPOSED COUNTER FLASHING.
- PLUMBING VENT STACK FLASHINGS, AND SIMILAR, SHALL BE NEW NEOPRENE BOOTS.
- PRODUCT: GAF, TIMBERLINE, LIFETIME TRANSFERABLE WARRANTY, HIGH DEFINITION COLOR "BISCAYNE BLUE." DELIVER WARRANTY TO OWNER.

GUTTERS AND DOWNSPOUTS

- PROVIDE NEW GUTTERS FOR NEW ROOFS
- GUTTERS SHALL BE FIELD ROLLED, SEAMLESS, FROM 0.032 GAUGE ALUMINUM. PROFILE SHALL BE STANDARD 5 INCH "K". PROVIDE GOOD SUPPORTIVE HANGERS.
- PROVIDE STANDARD DOWNSPOUTS, SIZE 3/4", GA. 0.019, GENERALLY 2 PER BUILDING SIDE, SEE DRAWINGS. SAME REFINISHED MFG. COLOR AS GUTTERS. PROVIDE CONCRETE SPLASH BLOCKS FOR EACH.

VINYL SIDING SYSTEM

- PRODUCT: CERTAINTEED, MONOGRAM 46, STYLE: DOUBLE 5 CLAPBOARD. COLOR "SILVER ASH." PROVIDE 3" CORNER TRIM AT ALL EXTERIOR AND INTERIOR CORNERS. CORNER TRIM COLOR IS "NATURAL CLAY." PROVIDE 3" TRIM AROUND ALL NEW WINDOWS, COLOR: SAME AS CORNERS.
- INSTALL PER MANUFACTURES RECOMMENDATIONS.

ATTIC VENTILATION

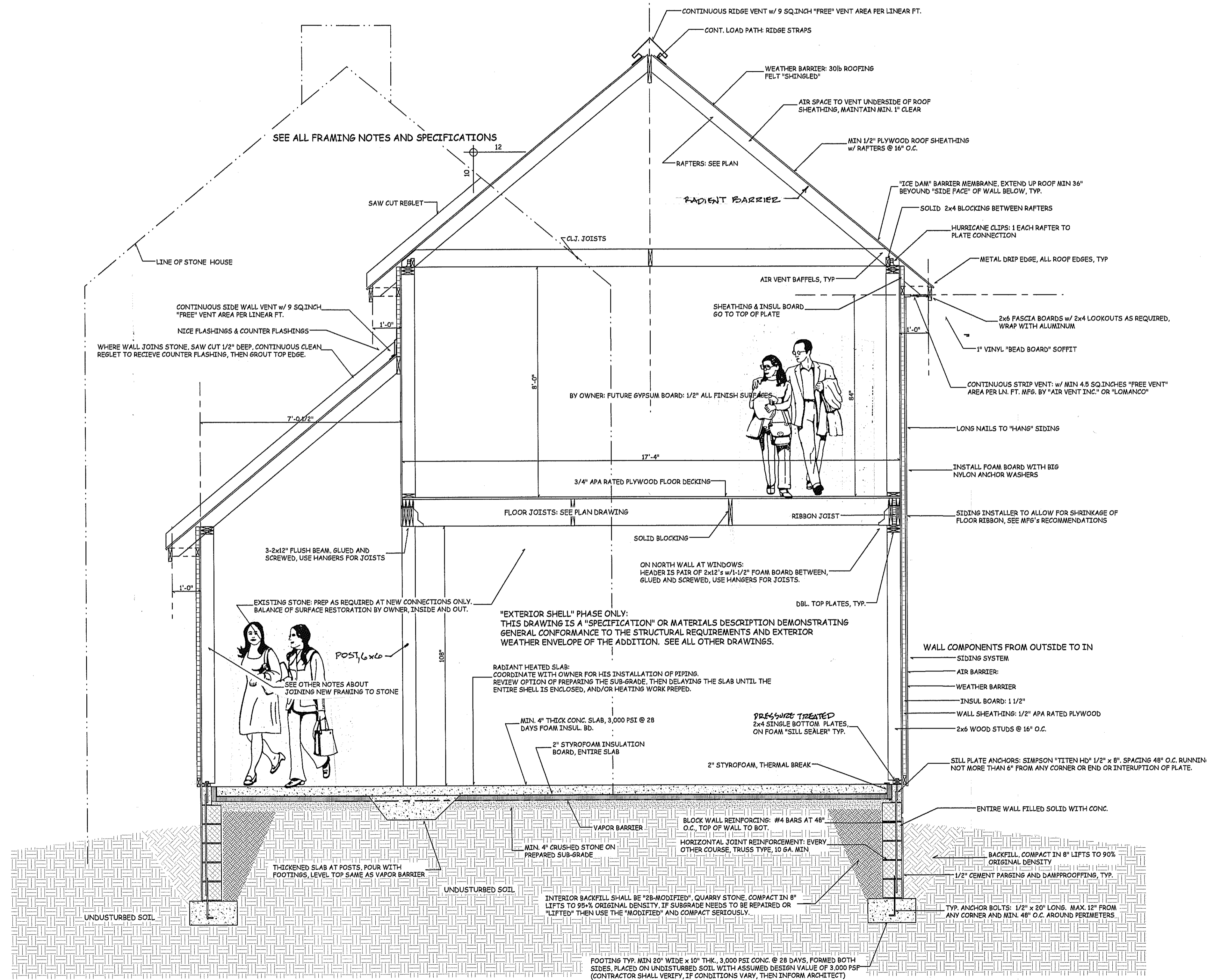
- ATTICS REQUIRE VENTILATION TO MITIGATE THE BUILD UP OF MOISTURE ON THE UNDERSIDE OF THE ROOF SHEATHING, WHICH CAN THEN LEAD TO EARLY DETERIORATION OF THE ROOFING SUPPORT SYSTEM. THIS OCCURS WHEN THE CEILING OF THE FLOOR BELOW IS INSULATED WITH FIBERGLASS OR OTHER MATERIALS, WHICH CANNOT TOTALLY PREVENT THE ESCAPE OF WARM MOISTURE LADEN AIR THROUGH THE INSULATION SYSTEM TO THE ATTIC.
- THE OBJECTIVE IS TO REMOVE MOISTURE FROM ATTIC AREAS. THIS IS TO BE ACHIEVED BY INDUCING A FREE FLOW OF AIR WITHIN THE ATTIC, GENERALLY FROM BOTTOM TO TOP OF ATTIC VOLUME.
- ONE-HAFT OF THE VENTILATION AREA SHALL BE PROVIDED BY CONTINUOUS RIDGE VENTS. CONTINUOUS RIDGE VENTS SHALL BE MANUFACTURED BY "AIR VENT INC.", THE PRODUCT SHALL BE INCLUDE AN EXTERIOR WIND BAFFLE, INSECT SCREENING, AND PROVIDE A MINIMUM FREE VENT AREA OF 9 SQ. INCHES PER LINEAR FOOT.
- ONE-HAFT OF THE VENTILATION AREA SHALL BE PROVIDED BY SOFFIT VENTS. CONTINUOUS SOFFIT VENTS SHALL BE MANUFACTURED BY "AIR VENT INC.", THE PRODUCT SHALL BE A CONTINUOUS STRIP VENT, ALUMINUM OR VINYL, INCLUDE INSECT SCREENING, AND PROVIDE A MINIMUM FREE VENT AREA OF 9 SQ. INCHES PER LINEAR FOOT. THIS VENT STRIP SHALL BE CONTINUOUS THE ENTIRE LENGTH OF SOFFITS. NOTE: "PERFORATED" SOFFIT PANEL MATERIALS ARE GENERALLY NOT SUFFICIENT.

NEW ADDITION EXTERIOR DOORS

- THERMA-TRU BRAND CLASSIC CRAFT OAK COLLECTION MODEL FC65LER (9 LITE - 2 PANEL) 3/0 X 6/8 FIBERGLASS DOOR WITH LOW E GLASS, REMOVABLE WOOD GRILLE, PRE-HUNG ON 6 9/16" PRIMED WOOD JAMBS WITH STANDARD MILL FINISH ALUMINUM 4 COMPOSITE ADJUSTABLE SILL, STANDARD PRIMED WOOD BRICKMOLD, 3 BALL BEARING OIL RUBBED BRONZE HINGES AND COMPRESSION WEATHERSTRIPPING.
- DELIVER PRE-BORED AND MORTISED FOR STANDARD SCHLAGE "A" LINE CYLINDER LATCHSET AND STANDARD DEAD BOLT ABOVE

NEW INTERIOR DOORS

- MASONITE BRAND 6 PANEL TEXTURED/EMBOSSED MOLDED PRIMED INTERIOR HOLLOW CORE DOORS WITH WOOD EDGE PRE-HUNG ON FULL THICKNESS 1 1/16" X 4 9/16" PRIMED JAMBS WITH 3/8" X 1 1/8" PRIMED COLONIAL STOPS, 3 DULL BRASS PLATED HINGES, PRE-BORED WITH 2 3/8" BACKSET, 2 1/8" FACE BORE & 1" EDGE BORE
- 2 LOCATIONS ONLY FOR "SHELL PHASE" SEE DRAWINGS FOR LOCATION AND SIZE



NOTES

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CONSTRUCTION MATERIALS & BUILDING SECTION

SCALE 1/2" = 1'-0"

REV.#	DATE	DESCRIPTION
1	JUNE 28, 2012	START UP
2	AUG 09, 2012	FOR "SHELL" PERMITS

ONLY VALID FOR PERMITS w/ EMBOSSED SEAL & ORIGINAL "RED" SIGNATURE

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