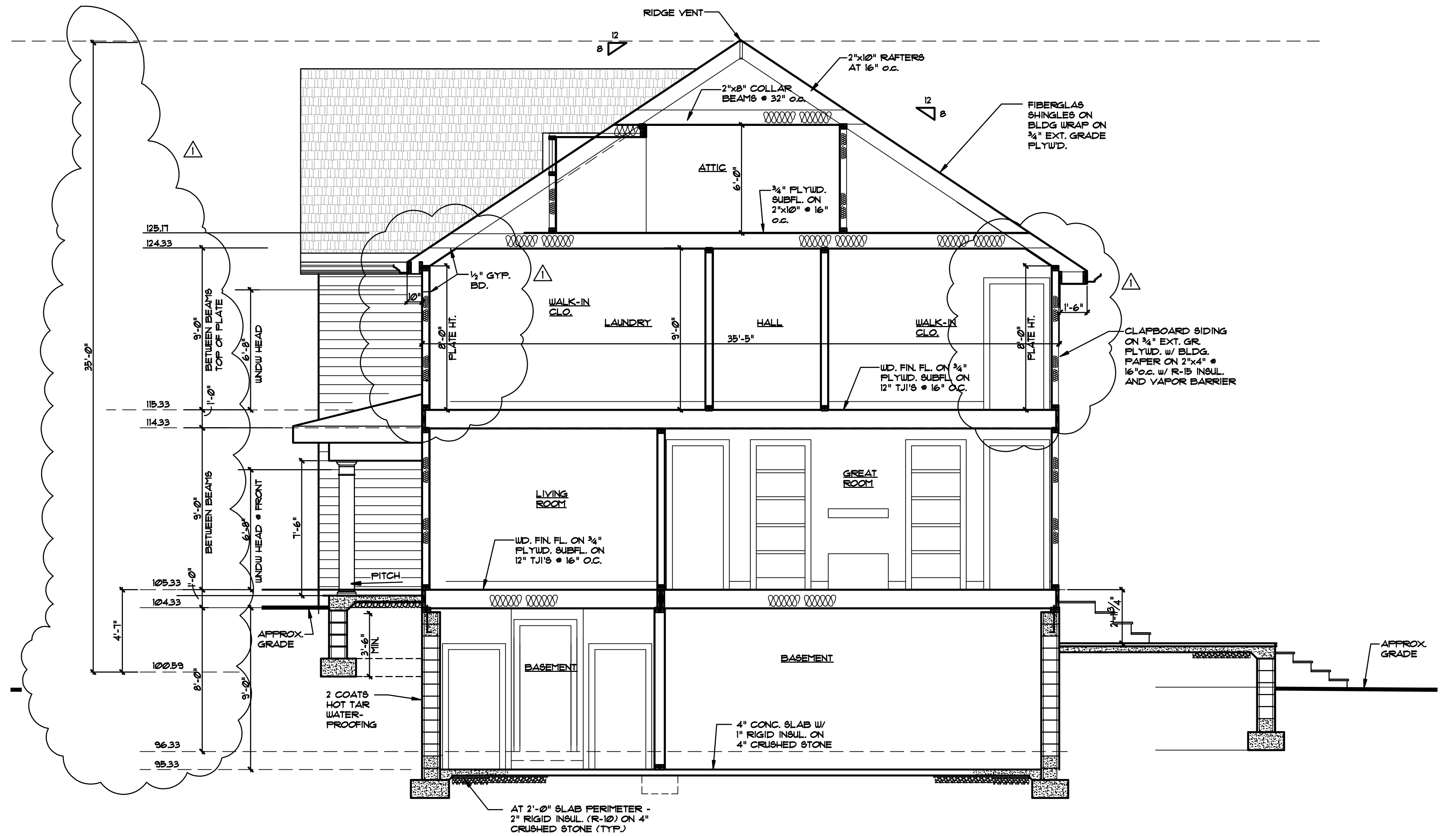


GAS RISER DIAGRAM
NO SCALE



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

BULLETIN

Special inspections on this program are limited by the issuing authority to the consultant, except that Section 403, entitled "Systems," of the 2009 IECC must be verified by the local construction office. Upon application for a new home's Certificate of Occupancy, the Home Energy Rating Scale certificate or equivalent (i.e. passing final inspection report) should be submitted.

4. COMPLIANCE WITH PRESCRIPTIVE PACKAGE: Previous adoptions of the energy subcode allowed for the use of a prescriptive package based on climate zone location and window-to-wall ratios. Following are the applicable portions of Table 402.1.1 of the 2009 IECC that can be applied as a prescriptive package. The applicant need only identify that he/she is using the prescriptive package and then show the corresponding details on the plans. If a proposed building has window percentages and U factors (a measure of the windows' efficiency) that are equal to or lower than the values found on the appropriate line in the chart, and R values that are equal to or higher than those listed in the chart, the building complies.

VALUES PROVIDED Page 2 of 8

Climate Zone	Fenestration U-Factor ^a	Skylight U-Factor ^a	Ceiling R-Value	Wood Framed Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value ^b	Slab R-Value ^c & Depth	Crawl Space R-Value ^d
4	0.35	0.6	38	13	5/10	19	10/13	10, 2 ft	10/13
5	0.35	0.6	38	20 or 13+5"	13/17	30 ^e	10/13	10, 2 ft	10/13

INSULATION & FENESTRATION REQUIREMENTS BY COMPONENT^a

a. R-values are minimums. U-factors are maximums. R-19 batts compressed into a nominal 2 x 6 framing cavity such that the R-value is reduced by R-1 or more shall be marked with the compressed batt R-value in addition to the full thickness R-value. (Compressed R-values should be obtained from the manufacturer.)

b. The fenestration U-factor column excludes skylights. In addition, the corresponding solar heat gain coefficient (SHGC) column has been removed from this table as NJ has no requirements (NR) for SHGC.

c. "10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

d. R-5 shall be added to the required slab edge R-values for heated slabs.

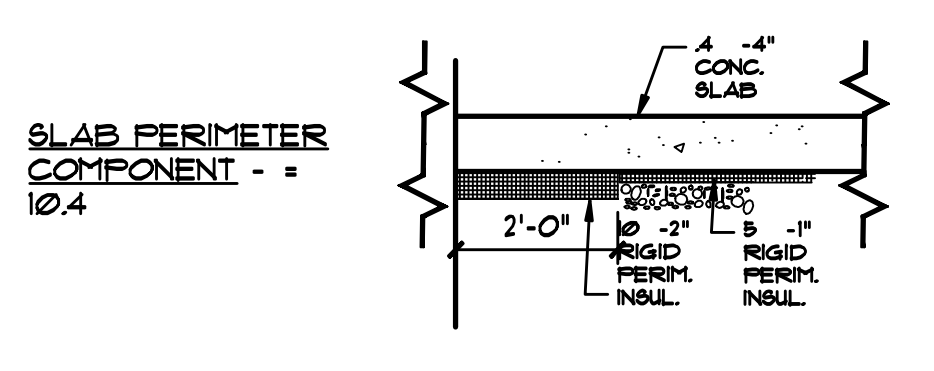
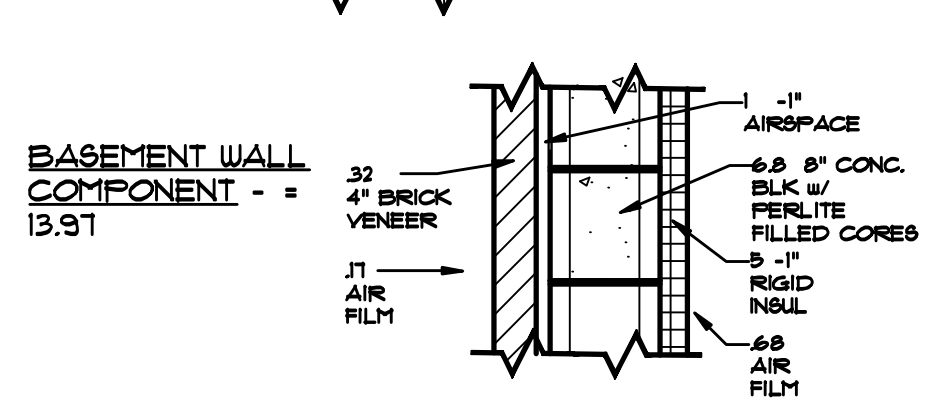
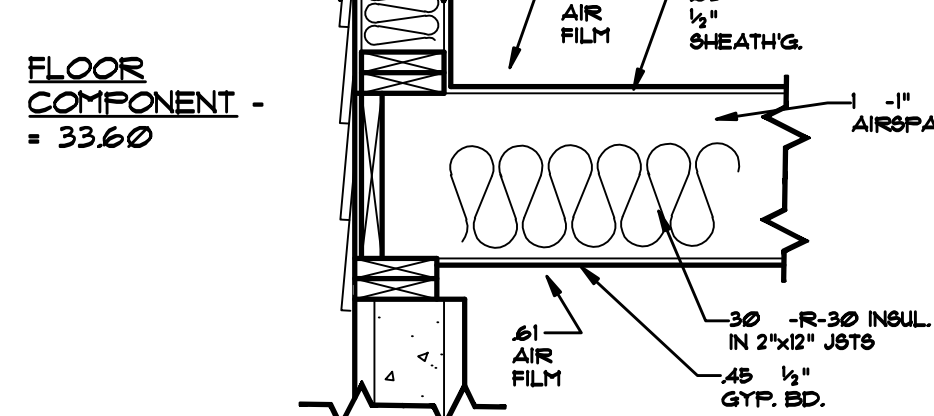
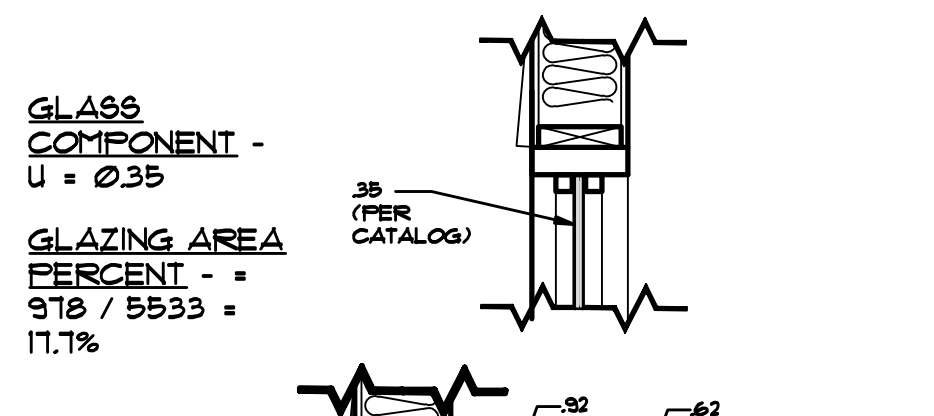
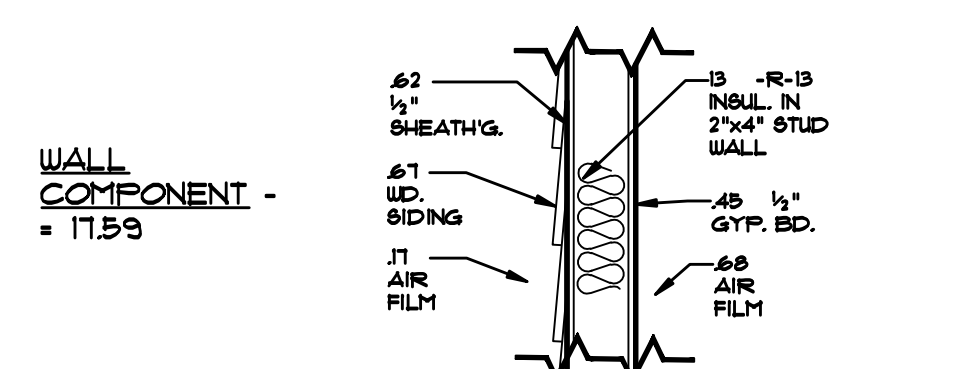
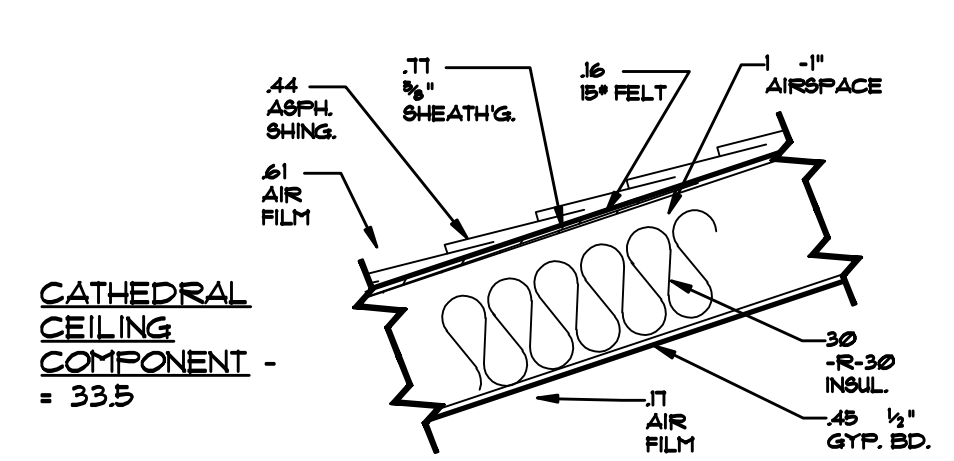
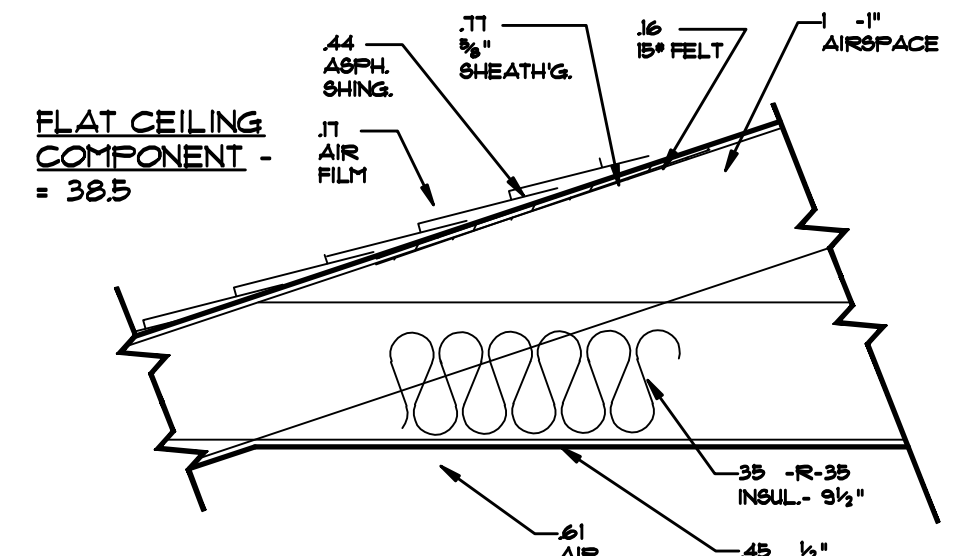
e. Or insulation sufficient to fill the framing cavity, R-19 minimum.

f. "13+5" means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, insulated sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25 percent of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.

g. The second R-value applies when more than half the insulation is on the interior of the mass wall.

Note: Table 402.1.1 applies to typical wood-framed construction. Steel-framed construction equivalents are different and may be found in Table 402.2.5 of the 2009 IECC.

Regardless of the compliance method chosen, the documentation must be signed and sealed by a design professional, except that in Class 3 buildings as described at N.J.A.C. 5:23-4.3A(d), the documentation may be signed by the mechanical contractor, and in the case of a single-family detached dwelling where the



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BULLETIN

1/20/11 MODIFIED OVERALL HEIGHTS, ADDED WALL HEIGHTS

HEINTZ & FIORE • LLC
ARCHITECTS • AIA
87 woodland road
short hills • new jersey • 07078
973-467-1240 fax 973-376-0963

GREENBERG RESIDENCE
244 LONG HILL DRIVE
MILLBURN, NJ

drawing title:
**BUILDING SECTION
GAS RISER DIAGRAM
ENERGY CALCULATIONS**

job no.: 21137 scale: AS NOTED
date: 6-30-11 drawn by: JSK

ROBERT B. HEINTZ • AIA
architect: NJ - C 4352
DONALD R. FIORE • AIA
architect: NJ - AI 10410

drawing:
A-8