

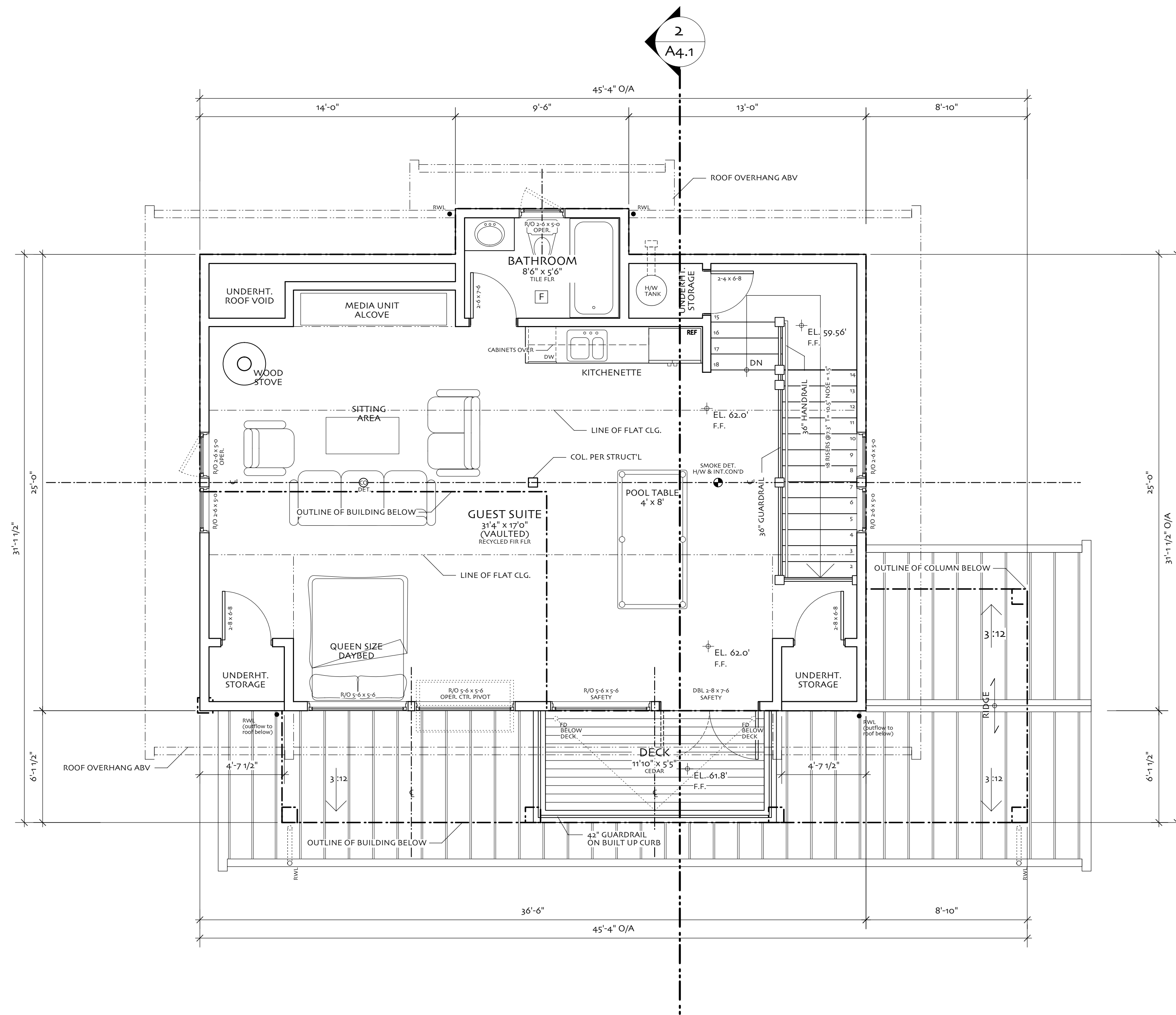
VENT REQUIREMENT CALCULATIONS

Coach House Roof NB: All roofs are interconnected trusses/rafters @ 24" o.c.
 Insulated Ceiling Area = 936 sf
 936 sf x 144 = 134,784 in2
 vent area required
 134,784/300 = 450 in2
 25% = 112.5 in2

rooftop venting
continuous ridge vent
 (see details & roof plan for locations)
 1.5" wide x 2 sides x 50% screen
 = 18 in2 per LF. free vent area
 x 42 LF of ridge = 756 in2
total rooftop venting
 756 in2 > 25% therefore OK

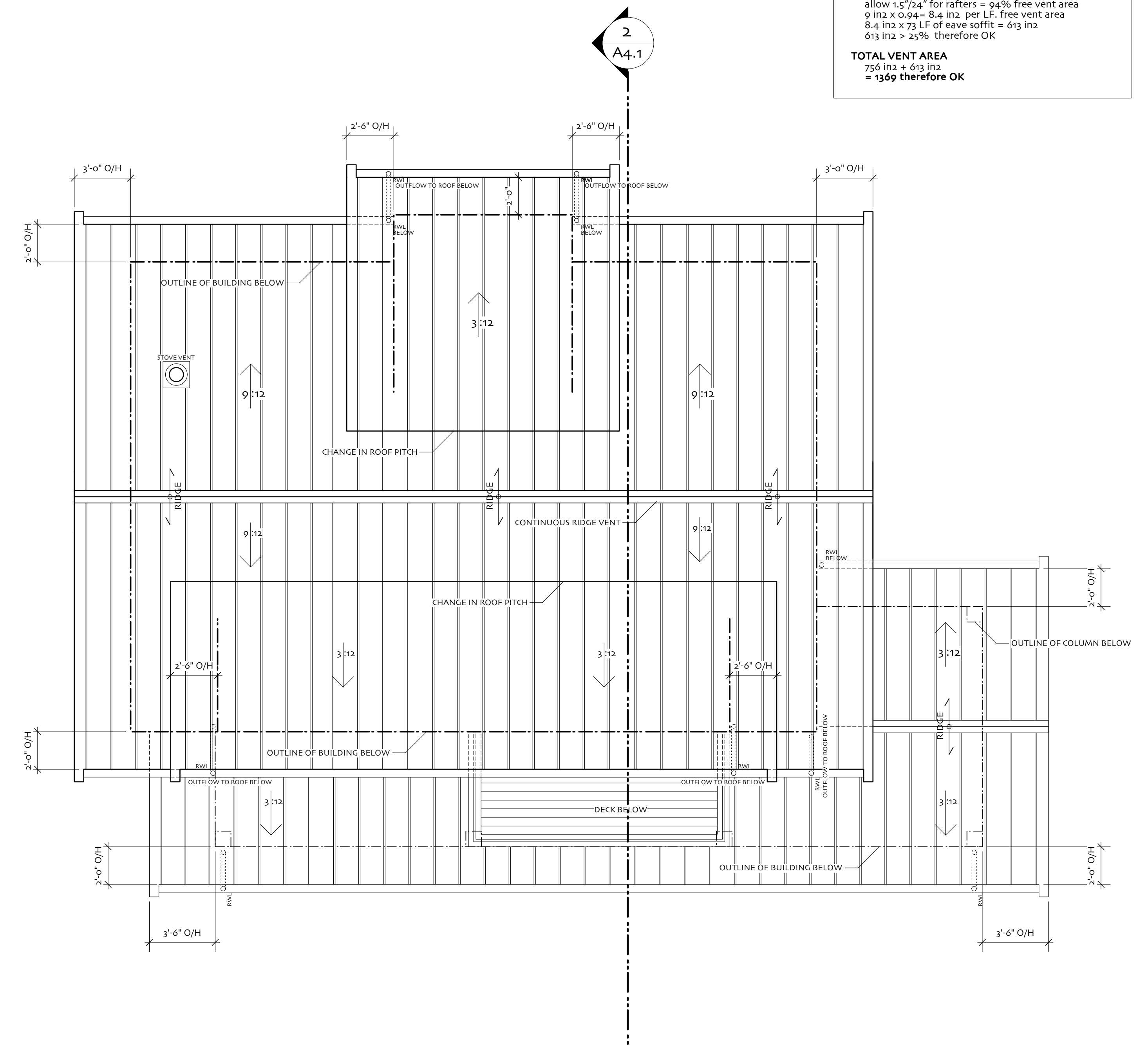
soffit venting
continuous soffit vent strip
 (see details & roof plan for locations)
 1.5" wide x 50% screen
 9 in2 per LF. free vent area
 allow 1.5"/24" for rafters = 94% free vent area
 9 in2 x 0.94 = 8.4 in2 per LF. free vent area
 8.4 in2 x 73 LF of eave soffit = 613 in2
 613 in2 > 25% therefore OK

TOTAL VENT AREA
 756 in2 + 613 in2
 = 1369 therefore OK



COACH HOUSE UPPER FLOOR

1/4" = 1'-0"



COACH HOUSE ROOF PLAN

1/4" = 1'-0"

ISSUED DATE	DESCRIPTION	REVISIONS No.	DATE	DESCRIPTION
FEB-10-2006	BUILDING PERMIT SUBMISSION			

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PROJECT
HOLLAND RESIDENCE
 1671 Adams Road
 Bowen Island, BC

DWG. DATE
Feb 9, 2006
 1/4" = 1'-0"

DRAWN BY
CT
 CHECKED BY
BL

DRAWING TITLE
**COACH HOUSE
 UPPER & ROOF
 PLANS**

PROJECT NO.
 0504

A2.4