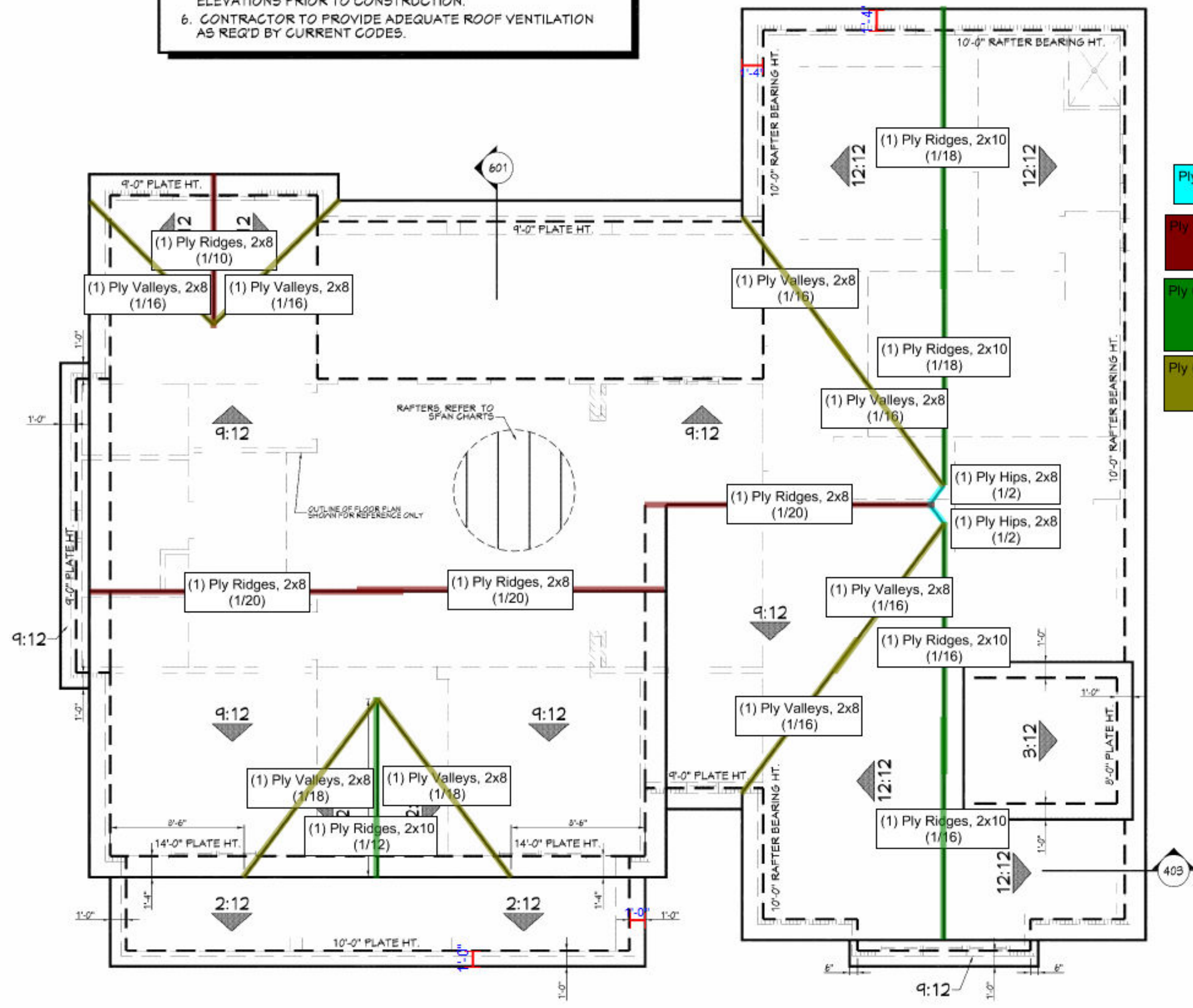


AS PER CODE.
 5. CONTRACTOR TO VERIFY ALL ROOF PITCHES WITH EXTERIOR ELEVATIONS PRIOR TO CONSTRUCTION.
 6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQ'D BY CURRENT CODES.



HIP/ VALLEY CONVERSION

THEN HIP/ VALLEY RAFTER ROOF PITCH BECOMES...

RISE	RUN	SLOPE
1	1	3"
2	1	7"
3	1	10"
4	1	15"
5	1	16"
6	1	14"
7	1	22"
8	1	28"
9	1	28"
10	1	30"
11	1	36"
12	1	36"

PLATE ROOFS ONLY.
 CHART DOES NOT APPLY FOR DUAL PITCH ROOFS.

- Ply (1) Hips, 2x8 4 FT (2/2)
- Ply (1) Ridges, 2x8 70 FT (3/20) (1/10)
- Ply (1) Ridges, 2x10 80 FT (2/18) (2/16) (1/12)
- Ply (1) Valleys, 2x8 132 FT (6/16) (2/18)

RAFTER LENGTH CHART

ROOF PITCH	FACTOR
3/12	1.05
4/12	1.01
5/12	1.10
6/12	1.14
7/12	1.17
8/12	1.20
9/12	1.25
10/12	1.30
11/12	1.35
12/12	1.40
14/12	1.54
16/12	1.70

MULTIPLY HORIZONTAL SPAN OF MEMBER BY FACTOR.
 CHOOSE APPROPRIATE FACTOR BY ROOF PITCH.

RAFTER SPANS FOR LIVE LOAD=30psf, L/Δ=

SIZE	SPACING (INCHES)
2x6	12.0
	16.0
	19.2
	24.0
2x8	12.0
	16.0
	19.2
	24.0
2x10	12.0
	16.0
	19.2
	24.0
2x12	12.0
	16.0
	19.2
	24.0

NOTES:
 The above tables are based

CEILING

CEILING JOIST SPANS (UNINHABITABLE AT LIVE LOAD = 20psf, ***IF HABITABLE AT REFER TO THE INTERNATIONAL

SIZE	SPACING (INCHES)
2x4	12.0
	16.0
	19.2
	24.0
2x6	12.0
	16.0
	19.2
	24.0
2x8	12.0
	16.0
	19.2
	24.0
2x10	12.0
	16.0
	19.2
	24.0

NOTES:
 The above tables are based