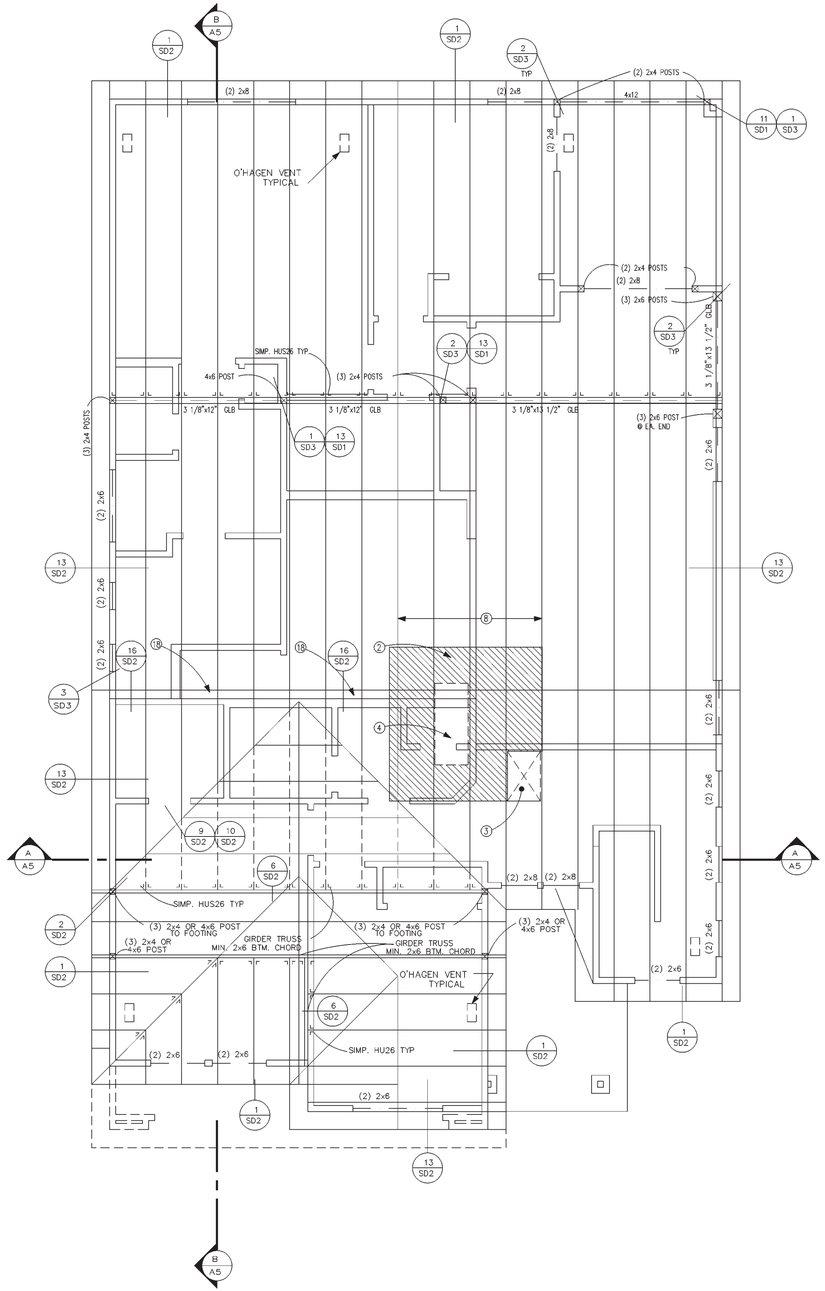
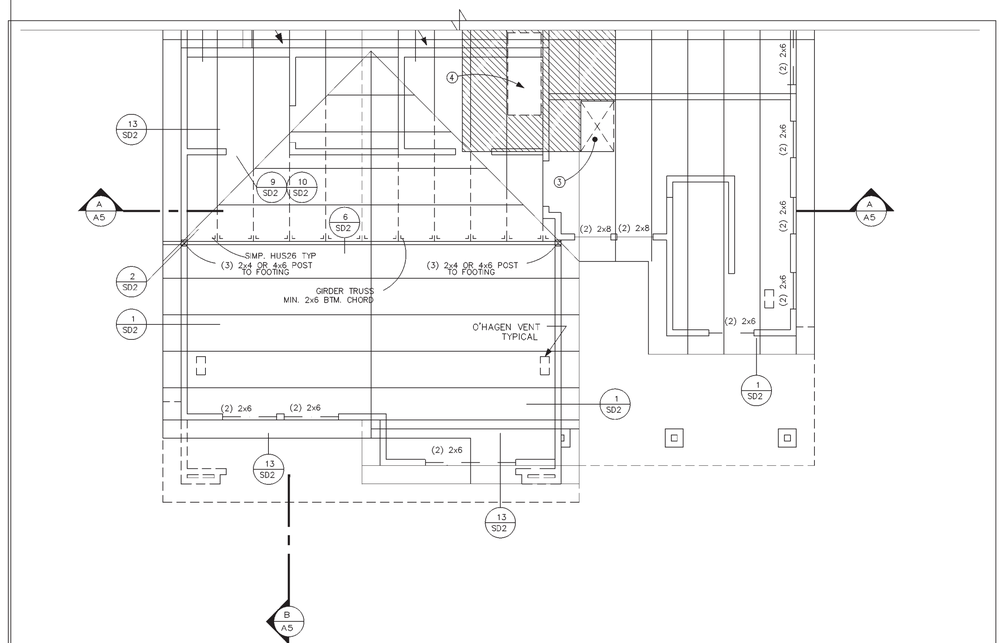


ROOF FRAMING PLAN ELEVATION 'A'

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



ROOF FRAMING PLAN ELEVATION 'B'

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

ATTIC VENTILATION CALCULATIONS 'A'

FIRST FLOOR LIVEABLE PLUS GARAGE	REQUIRED VENT SQ. FOOTAGE 1/300	ACTUAL VENTED AREA (S.F.)
1743	5.81	6.60

ELEVATION 'A'

HIGH	2 - 18 x 30 GABLE VENT	3.60
LOW	6 - O'HAGEN VENTS	2.94
		TOTAL = 6.60 S.F.

ENTRY	REQUIRED VENT SQ. FOOTAGE 1/150	ACTUAL VENTED AREA (S.F.)
72	0.48	0.49

ELEVATION 'A'

ALL HIGH	1 - O'HAGEN VENTS	0.49
		TOTAL = 0.49 S.F.

ATTIC VENTILATION CALCULATIONS 'B'

FIRST FLOOR LIVEABLE PLUS GARAGE	REQUIRED VENT SQ. FOOTAGE 1/300	ACTUAL VENTED AREA (S.F.)
1743	5.81	6.60

ELEVATION 'A'

HIGH	2 - 18 x 30 GABLE VENT	3.60
LOW	6 - O'HAGEN VENTS	2.94
		TOTAL = 6.60 S.F.

ENTRY	REQUIRED VENT SQ. FOOTAGE 1/150	ACTUAL VENTED AREA (S.F.)
110	0.74	0.98

ELEVATION 'A'

ALL HIGH	2 - O'HAGEN VENTS	0.98
		TOTAL = 0.98 S.F.

GABLE VENTS

SIZE	12x12	12x14	12x18	12x20	12x24	12x30	14x14	14x18	14x20	14x24	14x30	16x16
FREE VENT AREA	0.5	.58	.75	.83	1.0	1.25	.68	.88	.97	1.16	1.46	.88
SIZE	18x18	18x20	18x24	18x30	20x20	20x24	20x30	24x24	24x30	24x36	30x30	
FREE VENT AREA	1.13	1.25	1.5	1.88	1.38	1.66	2.08	2.0	2.5	3	3.13	

TRIANGLE GABLE LOUVER					DORMER VENTS			RIDGE VENTS	TILE VENTS	O'HAGIN VENTS
ROOF PITCH					ROOF PITCH					
5:12					4:12	5:12	6:12	LINEAR FEET		SEAL # ER-5214 MODEL M50044 AIR OPENING=.49 SF
6"	8"	10"	12"							
FREE VENT AREA										
[1.88]	[3.3]	[5.2]	[7.5]		.71	.86	1	.083	.17	.49

EAVE VENTS

VENT TYPE	FULL SCREEN VENT 22 1/2"x3 1/2"	3 HOLE VENTED BLOCKING
FREE VENT AREA	.41 SQ. FT.	.043 SQ. FT.

FULL SCREENED VENT BIRD BLOCKING

NOTE: PROVIDE FULL INSULATION - FILL AT FLAT ROOF AREAS OF PATIO AND DECKS.

GENERAL INFORMATION

1. USE SIMPSON H2.5 @ EA. TRUSS/JOIST AND EVERY OTHER STUD. IF SPAN EXCEEDS 22'-0" AT UNCLOSED AREAS AND GARAGES, USE ONE ANCHOR PER TRUSS/JOIST AND ONE ANCHOR PER STUD. FRAMING ANCHOR OF TYPE THAT ENGAGES BOTH PLATES (FRAMING ANCHOR AT STUD MAY BE OMITTED IF PLYWOOD OR EQUAL SHEATHING IS USED WITH NAILS TO TOP PLATE, EXCEPT UNCLOSED AREAS AND GARAGE.)
2. PREFABRICATED WOOD TRUSSES TO BE PROVIDED BY AN AZ APPROVED FABRICATOR TRUSS DIAGRAMS TO BE PROVIDED TO THE CITY INSPECTOR AT THE FRAMING INSPECTION
3. 2x4 WOOD POST (TRIMMER) w/ KING STUD AT EACH END OF ALL EXTERIOR DOOR AND WINDOW OPENINGS UNO
4. PROVIDE ALL BLOCKING AND BRACING PER ALL APPLICABLE CODES AND/OR TRUSS MFG.
5. PROVIDE ALL BLOCKING AND BRACING PER ALL APPLICABLE CODES AND/OR TRUSS MFG.
6. PROVIDE 2x4 CEILING JOISTS PER CODE AT ALL AREAS WHERE REQUIRED
7. FLASH ALL CONDITIONS AS REQUIRED
8. SEE COVER SHEET AND FLOOR PLAN FOR STRUCTURAL ENGINEERING INFORMATION U.N.O. ON ROOF FRAMING PLAN OR DETAIL SHEETS.
9. ALL POSTS TO BE 2-2X STUDS MIN. U.N.O.
10. MULTIPLE STUD CONDITIONS SHALL BE STITCH-NAILED AT 6" O.C., STAGGERED, TO PROVIDE FOR SINGULAR REACTION, INSTEAD OF INDEPENDENT AT THESE LOCATIONS
11. BIRD BLOCKING VENT AT ALL TRUSS SPACES UNO.
12. FRAMER TO PROVIDE 2x4 RIDGE POSTS AS REQUIRED @ TILED ROOF AREAS

KEYNOTES

SEE COVER SHEET FOR OPTION INFORMATION

No.	DESCRIPTION
1	CONVENTIONAL OVER FRAMING.
2	A/C PLATFORM AND WALKWAY PER 1991 UMC 706 OR 1994 UMC 319. PROVIDE SOLID 2x BLOCKING AT ALL EDGES.
3	ATTIC ACCESS - SEE 1 / A-5 FOR DETAILS
4	AIR HANDLER
5	CRIPPLE WALL w/ 2 x 4 BLOCKING BELOW
6	CRICKET
7	NOT USED
8	DESIGN TRUSSES W/ SPACE FOR HVAC UNIT
9	LINE OF CEILING BREAK
10	FULL SCREEN VENT
11	CRIPPLE POST FROM GIRDER TRUSS TO HEADER
12	OPTIONAL BAY, SEE OPTIONS SHEET
13	ALTERNATE COVERED TRUSS PATIO
14	OPTIONAL 4' GARAGE EXTENSION SEE OPTIONAL SHEET
15	LINE OF TRUSSES OR 2X6 RAFTERS @ ALTERNATIVE COVERED PATIO SEE SUBDIVISION STANDARD FEATURES.
16	NOT USED
17	3 POINTS BEARING TRUSSES
18	INTERIOR BEARING WALL
19	LINE OF TRUSSES OR 2X6 RAFTERS @ 24" O.C. W/ COVERED PATIO
20	SPACE OPT. VAULTED TRUSSES @ 19.2" FOR DEFLECTION
21	CANTILEVERED TRUSSES

HANGER SCHEDULE

A	SIMPSON A35 OR A35F @ 24" O.C.
B	SIMPSON LTHJ HANGER (OR EQUAL)
C	SIMPSON THA29 (OR EQUAL)
D	SIMPSON LUS24 (OR EQUAL)
E	SIMPSON HU26-2 (OR EQUAL)
F	SIMPSON THJA26 (OR EQUAL)
G	SIMPSON HUS26 (OR EQUAL)
H	SIMPSON MST60 (OR EQUAL) NAIL NAIL @ BTM. OF TRUSS BTM CORD & ADJACENT WALL TOP PLATE CENTERED
I	SIMPSON U26 (OR EQUAL)
J	SIMPSON MTHM
K	SIMPSON DTC CLIPS
L	SIMPSON LUS26 (OR EQUAL)
M	NOT USED

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ROOF FRAMING PLAN

DRAWN BY: [i] PLAN
REL.DATE: 3-25-99

Rev.	DATE:
1	
2	
3	
4	
5	
6	

PLAN #
3404

SHEET No.
A3.1
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