

ROOF VENT CALCULATIONS

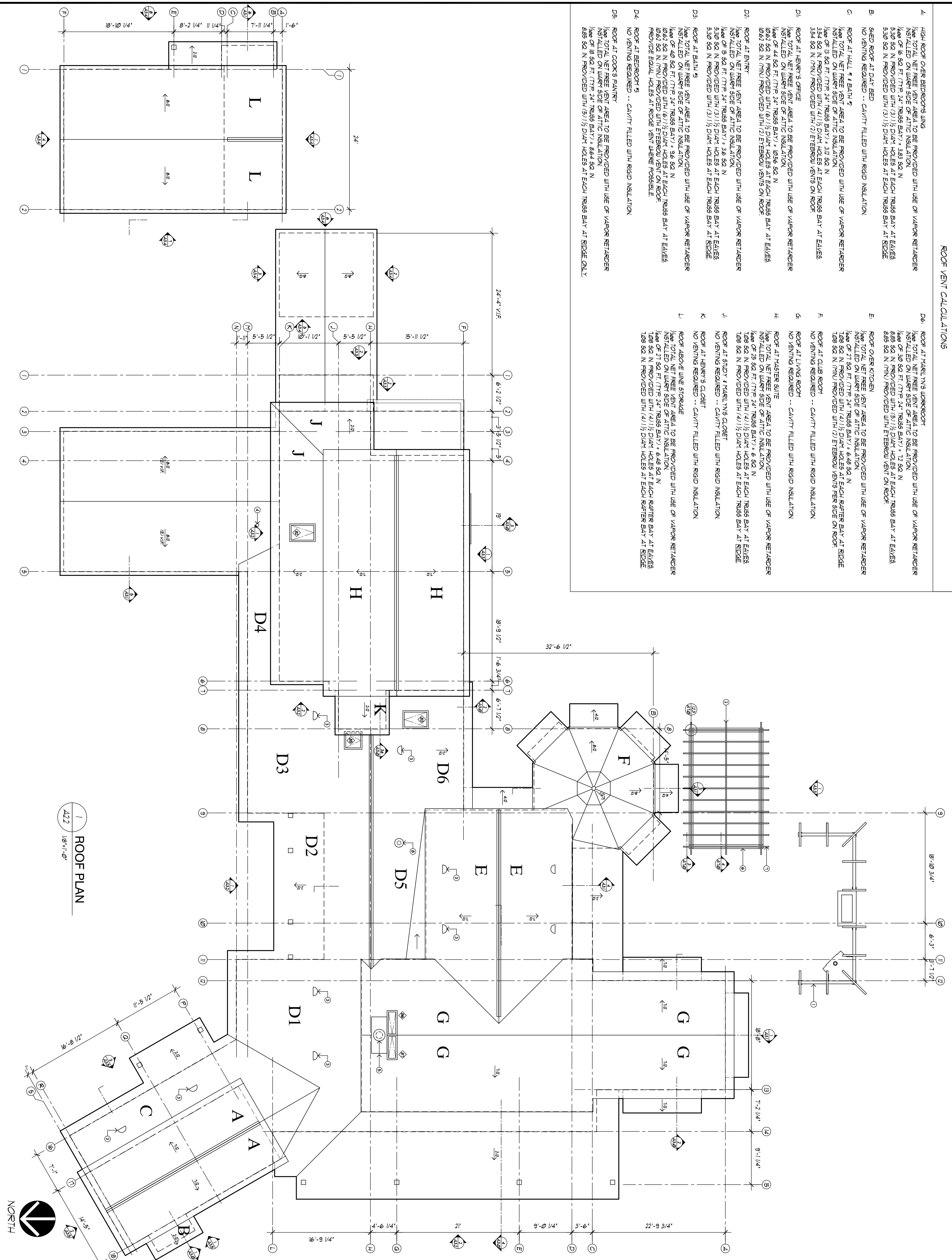
- A. HIGH ROOF OVER BEDROOMS LINK
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 6 SQ FT (77P 24" TRUSS BAY) = 383 SQ IN
 3/32 SQ IN PROVIDED WITH (3) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 3/32 SQ IN PROVIDED WITH (3) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT RIDGE
- B. SHED ROOF AT DAY BED
 NO VENTING REQUIRED -- CAVITY FILLED WITH RIGID INSULATION
- C. ROOF AT HALL #1 & BATH #2
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 6 SQ FT (77P 24" TRUSS BAY) = 383 SQ IN
 3/32 SQ IN PROVIDED WITH (3) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 3/32 SQ IN PROVIDED WITH (3) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT RIDGE
- D1. ROOF AT HENRY'S OFFICE
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 48 SQ FT (77P 24" TRUSS BAY) = 1086 SQ IN
 1086 SQ IN PROVIDED WITH (6) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 1086 SQ IN PROVIDED WITH (2) ETHERCOU VENTS ON ROOF
- D2. ROOF AT ENTRY
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 15 SQ FT (77P 24" TRUSS BAY) = 36 SQ IN
 3/32 SQ IN PROVIDED WITH (3) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 3/32 SQ IN PROVIDED WITH (3) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT RIDGE
- D3. ROOF AT BATH #3
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 48 SQ FT (77P 24" TRUSS BAY) = 1086 SQ IN
 1086 SQ IN PROVIDED WITH (6) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 1086 SQ IN PROVIDED WITH (2) ETHERCOU VENT ON ROOF
 PROVIDE EQUAL HOLES AT RIDGE WHEN WHERE POSSIBLE
- D4. ROOF AT BEDROOM #3
 NO VENTING REQUIRED -- CAVITY FILLED WITH RIGID INSULATION
- D5. ROOF AT COOK'S PANTRY
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 18 SQ FT (77P 24" TRUSS BAY) = 864 SQ IN
 864 SQ IN PROVIDED WITH (9) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT RIDGE ONLY
- D6. ROOF AT HALLWAYS WORKROOM
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 30 SQ FT (77P 24" TRUSS BAY) = 72 SQ IN
 888 SQ IN PROVIDED WITH (9) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 888 SQ IN PROVIDED WITH (2) ETHERCOU VENT ON ROOF
- E. ROOF OVER KITCHEN
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 21 SQ FT (77P 24" TRUSS BAY) = 648 SQ IN
 1208 SQ IN PROVIDED WITH (4) 1 1/2" DIA. HOLES AT EACH RAFTER BAY AT RIDGE
 1208 SQ IN PROVIDED WITH (2) ETHERCOU VENTS PER SIDE ON ROOF
- F. ROOF AT CLUB ROOM
 NO VENTING REQUIRED -- CAVITY FILLED WITH RIGID INSULATION
- G. ROOF AT LIVING ROOM
 NO VENTING REQUIRED -- CAVITY FILLED WITH RIGID INSULATION
- H. ROOF AT MASTER SUITE
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 25 SQ FT (77P 24" TRUSS BAY) = 650 SQ IN
 1208 SQ IN PROVIDED WITH (4) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT EAVES
 1208 SQ IN PROVIDED WITH (4) 1 1/2" DIA. HOLES AT EACH TRUSS BAY AT RIDGE
- J. ROOF AT STUDY & HALLWAYS CLOSET
 NO VENTING REQUIRED -- CAVITY FILLED WITH RIGID INSULATION
- K. ROOF AT HENRY'S CLOSET
 NO VENTING REQUIRED -- CAVITY FILLED WITH RIGID INSULATION
- L. ROOF ABOVE LINE STORAGE
 1/2" TOTAL NET FREE VENT AREA TO BE PROVIDED WITH USE OF VAPOR RETARDER
 INSTALLED ON WASHY SIDE OF ATTIC INSULATION
 1/2" OF 21 SQ FT (77P 24" TRUSS BAY) = 648 SQ IN
 1208 SQ IN PROVIDED WITH (4) 1 1/2" DIA. HOLES AT EACH RAFTER BAY AT EAVES
 1208 SQ IN PROVIDED WITH (4) 1 1/2" DIA. HOLES AT EACH RAFTER BAY AT RIDGE

GENERAL NOTES

1. MEET OR EXCEED UNDERATTENT REQUIREMENTS PER ROOFING MANUFACTURER AT ALL ROOF SLOPES
2. REFER TO ELEVATIONS FOR GUTTERS
3. DOWNSPOUT LOCATIONS TBD
4. PROVIDE MECHANICALLY OPERATED FANS IN ALL VENTED ATTIC SPACES TO AID IN AIR MOVEMENT AND VENTILATION

SHEET NOTES

1. SHADE TRELLIS ABOVE OUTDOOR KITCHEN COUNTERTOP
2. FOUR-POST PERGOLA
3. HALF ROUND DORMER VENT TO PROVIDE MINIMUM NET FREE VENT AREA AS LISTED ON ROOF VENT CALCULATIONS AND TO BE INSTALLED AT LEAST 3'-0" ABOVE EAVE VENTS
4. ROOF VENT FOR HYDROVIC SYSTEM
5. BOLLER BELOW
6. FIREPLACE CHIMNEY -- TOP OF SPARK ARRESTOR TO BE INSTALLED AT LEAST 12" ABOVE ROOF FINISH (MIN 12" OF RIGID INSULATION BELOW)
7. TRUSS BEAMS - 77P (8) LOCATIONS AT TRELLIS
8. USE 2X2X1/2 AT 24" O.C. TYP. AT TRELLIS EXHAUST FAN ON ROOF EXCEPT TO 5'-FACE ABOVE FREEZER -- SEE (W/AS)



1 ROOF PLAN
 A2.2 / 1/8" = 1'-0"

KEY/LEGEND

	HALF-ROUND DORMER VENT
	RIDGE VENT

ROOF PLAN

SCALE : 1/8" = 1'-0"

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