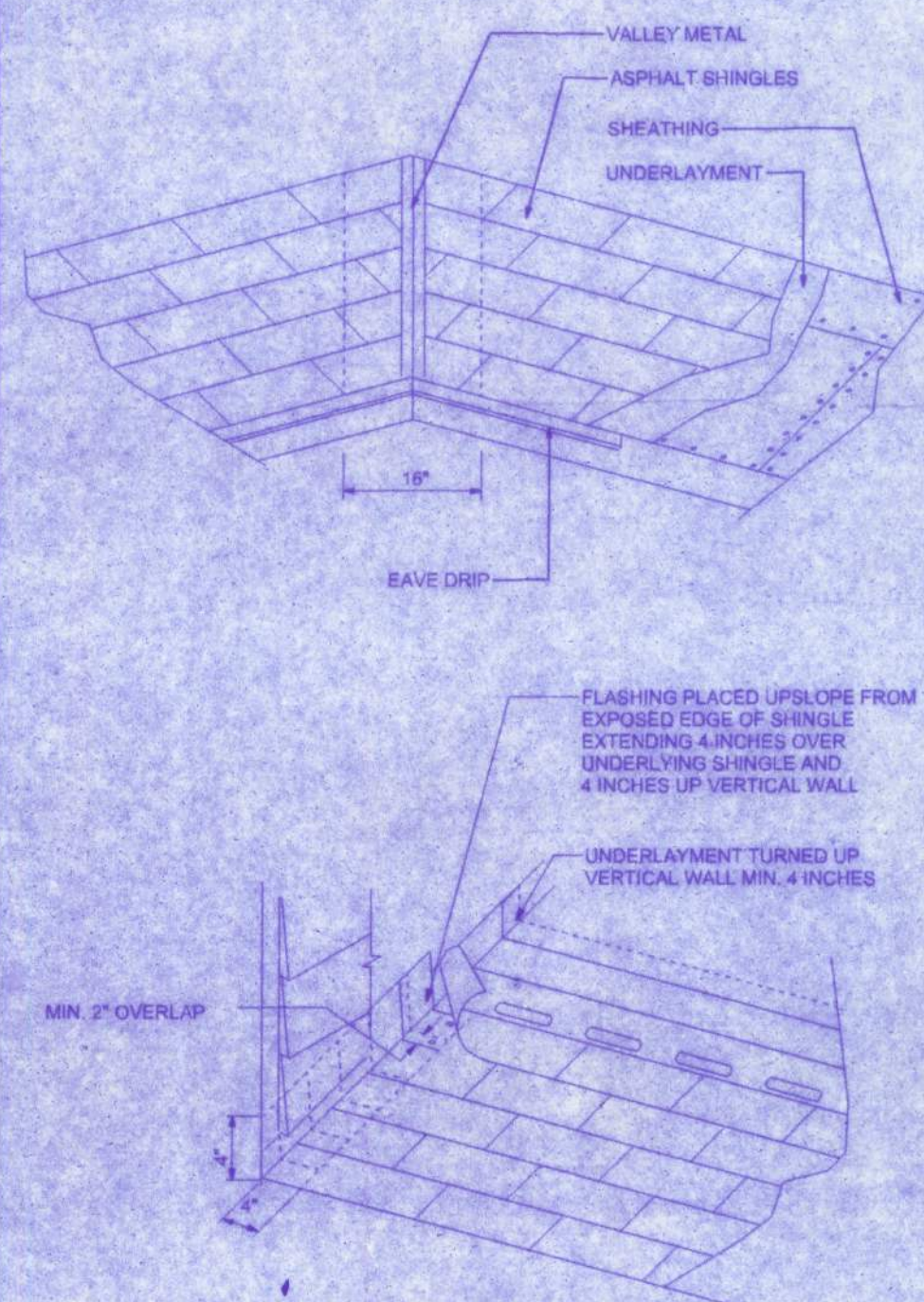




DECK REQUIREMENTS
ASPHALT SHES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE
ASPHALT SHES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER ROOF SLOPES FROM 2:12 TO 4:12, DOUBLE UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM WITH ASTM D 226, TYPE 1, OR D 4883, TYPE 1.

SELF-ADHESIVE POLYMER MODIFIED BITUMEN SHEET
SELF-ADHESIVE POLYMER MODIFIED BITUMEN SHALL COMPLY WITH ASTM D 1970.

ASPHALT SHES
ASPHALT SHES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 226 OR ASTM D 3462.

FASTENERS
ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS. MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DASH HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL, A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE ROOF SHEATHING IS LESS THAN 1/2" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT
ASPHALT SHES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF TIEING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHES SHALL CONFORM WITH ASTM D 3181 OR IRC-605, PA 107.38.

UNDERLAYMENT APPLICATION
FOR ROOF SLOPES 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. START IN THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL TO THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. START IN THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED, LAPPING SUCCESSIVE SHEETS 18 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPES 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING IN THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND FLASHINGS
BASE AND FLASHINGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WITH MINIMUM ALUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

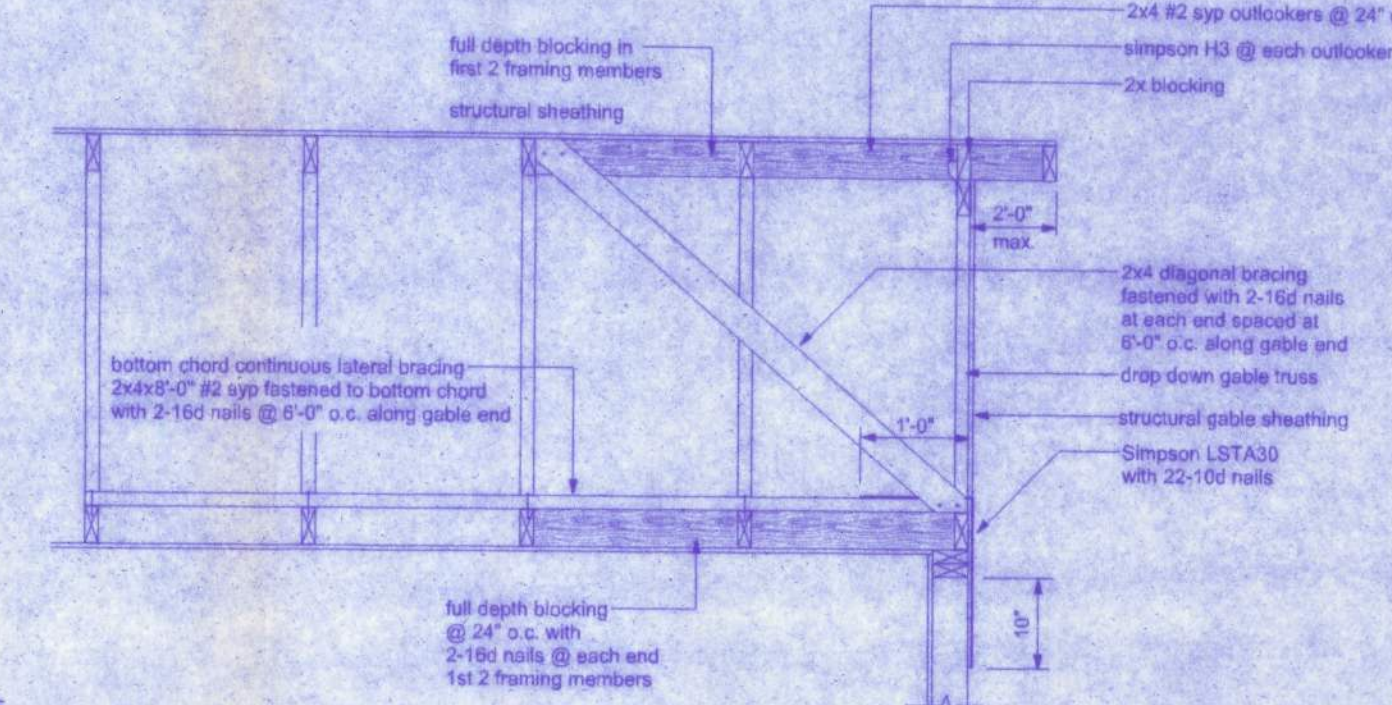
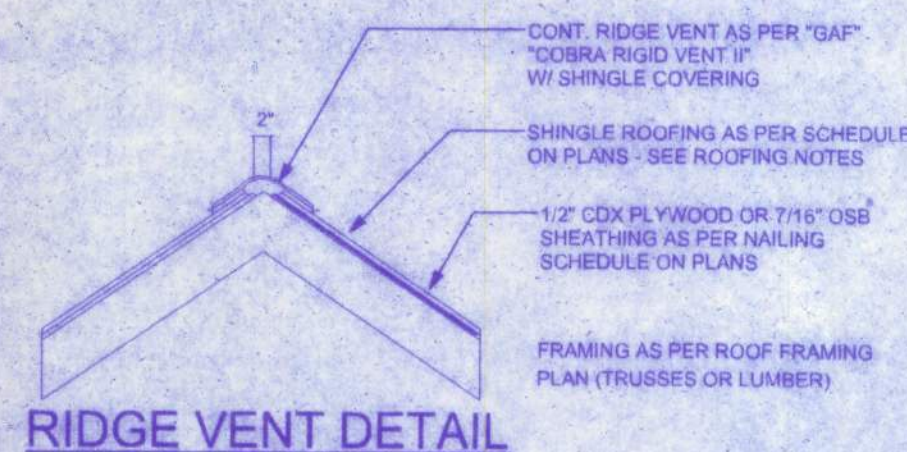
VALLEYS
VALLEY LINING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:
1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 18 INCHES WIDE AND ANY OF THE CORROSION RESISTANT METALS IN TABLE 1607.3.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE FITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM 18 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
1. BOTH TOP AND BOTTOM LAYERS COMBINED.
2. ONE PLY SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.
3. SPECIAL UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (LB)
COPPER			1
ALUMINUM	0.024	28	
STAINLESS STEEL	0.0179	28 (2nd coated 300)	
ZINC COATED GALV. PAINT	0.027		2 1/2

CONNECTOR SCHEDULE FOR TRUSS ANCHORAGE					
CONNECTOR	TRUSS	TOP PLATE	UPLIFT PROVIDED	MANUFACTURER	
H2.5	5-8d NAILS	5-8d NAILS	365 LBS	SIMPSON	
H10	8-8d NAILS	8-8d NAILS	850 LBS	SIMPSON	
MTS12	7-10d NAILS	7-10d NAILS	1,000 LBS	SIMPSON	
H16	2-10d NAILS	10-10d NAILS	1,300 LBS	SIMPSON	
(2) HTS20	10-10d NAILS	10-10d NAILS	2 x 1,450 = 2,900 LBS	SIMPSON	

VENTILATION REQUIREMENTS

Total Attic Square Footage	Recommended Length of Cobra Rigid Vent II (Feet)	Minimum Intake Ventilation (Net Free Area in Sq. in.)
1600	21	384
1900	25	456
2200	29	528
2500	33	600
2800	41	744
3100	41	820
3400	45	816

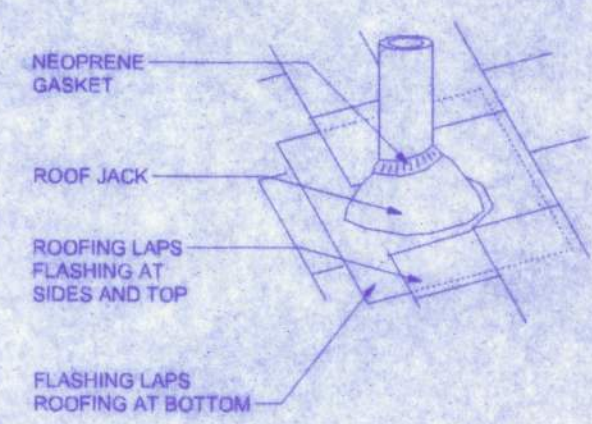


END WALL BRACING FOR CEILING DIAPHRAGM

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

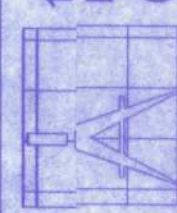
ROOF PLAN

SCALE: 3/16" = 1'-0"



ROOF JACKS AND VENTS

128 SW NASSAU ST
LAKE CITY, FL 32055
(386) 758-4209



Freeman
Design Group, Inc.

DATE: 2/25/10
DRAWN BY: W.H.F.
APPROVED: W.H.F.

REVISIONS

SHEET: A-7

OF: 13

PROJECT NO.: 10.R008

HARRISON RESIDENCE

CERTIFICATE OF AUTHORIZATION # 00008701

P.E. # 56061