



ROOF PLAN  
SCALE 1/4" = 1'-0"

IRC REQUIREMENTS FOR ROOF COVERINGS

R905.1(2) UNDERLAYMENT APPLICATION:  
UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER. APPLY A 19-INCH STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36-INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE. DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. END LAPS SHALL BE 4 INCHES AND SHALL BE OFFSET BY 6 FEET.

R905.1(2) ICE BARRIERS:  
AN ICE BARRIER SHALL BE INSTALLED FOR ASPHALT SHINGLES, METAL ROOF SHINGLES, MINERAL-SURFACED ROLL ROOFING, SLATE & SLATE-TYPE SHINGLES, & WOOD SHAKES. THE ICE BARRIER SHALL CONSIST OF NOT LESS THAN TWO LAYERS OF UNDERLAYMENT CEEMENTED TOGETHER, OR A SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN PLACE OF NORMAL UNDERLAYMENT & EXTEND FROM THE LOWEST EDGES OF ALL ROOF SURFACES TO A POINT NOT LESS THAN 24 INCHES (610 MM) INSIDE THE EXTERIOR WALL LINE OF THE BUILDING. THE ICE BARRIER SHALL ALSO BE APPLIED NOT LESS THAN 36 INCHES (914 MM) MEASURED ALONG THE ROOF SLOPE FROM THE EAVE OF THE BUILDING.

R905.1(3) UNDERLAYMENT APPLICATION:  
THE UNDERLAYMENT SHALL BE ATTACHED WITH CORROSION-RESISTANT FASTENERS IN A GRID PATTERN OF 2 INCHES BETWEEN SIDE LAPS WITH A 6 INCH SPACING AT SIDE AND END LAPS. UNDERLAYMENT SHALL BE ATTACHED USING ANNULAR RING OR DEFORMED SHANK NAILS WITH 1-INCH DIAMETER METAL OR PLASTIC CAPS. METAL CAP SHALL HAVE A THICKNESS OF NOT LESS THAN 32-GAUGE SHEET METAL. POWER-DRIVEN METAL CAPS SHALL HAVE A MINIMUM THICKNESS OF 0.020 INCH. MINIMUM THICKNESS OF THE OUTSIDE EDGE OF PLASTIC CAPS SHALL BE 0.035 INCH. THE CAP NAIL SHANK SHALL BE NOT LESS THAN 0.083 INCH. THE CAP NAIL SHANK HAVE A LENGTH SUFFICIENT TO PENETRATE THROUGH THE ROOF SHEATHING OR NOT LESS THAN 3/4 INCH INTO ROOF SHEATHING.

R905.2(1) SHEATHING REQUIREMENTS:  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

R905.2(2) SLOPE:  
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2:12) OR GREATER. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (2:12) UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4:12) DOUBLE UNDERLAYMENT APPLICATION IS REQUIRED IN ACCORDANCE WITH SECTION R905.1(1).

R905.2(4) WIND RESISTANCE OF SHINGLES:  
ASPHALT SHINGLES SHALL BE TESTED IN ACCORDANCE WITH ASTM D7158. ASPHALT SHINGLES SHALL BEAR A LABEL TO INDICATE COMPLIANCE WITH ASTM D7158 AND THE REQUIRED CLASSIFICATION IN THE TABLE R905.2.1.

R905.2(5) FASTENERS:  
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAGE (0.105 INCH O.D.) SHANK WITH MINIMUM 3/8 INCH DIAMETER (9.5 MM) HEAD, COMPLY WITH ASTM F1667 OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIALS AND NOT LESS THAN 3/4 INCH (19.1 MM) INTO THE ROOF SHEATHING. WHERE THE ROOF SHEATHING IS THINER THAN 3/4 INCH (19.1 MM) THICK, THE FASTENERS SHALL PENETRATE THROUGH THE SHEATHING.

R905.2(6) ATTACHMENT:  
ASPHALT SHINGLES SHALL HAVE THE MINIMUM NUMBER OF FASTENERS REQUIRED BY THE MANUFACTURER'S APPROVED INSTALLATION INSTRUCTIONS, BUT NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE THE ROOF SLOPE EXCEEDS 21 UNITS VERTICAL IN 12 UNITS HORIZONTAL (2:12), SHINGLES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S APPROVED INSTRUCTIONS.

ROOFING NOTES

- 1 ROOF SHEATHING  
ALL ROOF SHEATHING SHALL BE 15/32" EXPOSURE 1, 24/0 APA RATED PANELS. FASTEN WITH 4" NAILS AT 6" O.C. AT ALL FRAMING MEMBERS. USE 8d RING SHANK NAILS WITHIN 5'-0" OF ROOF EDGES.
- 2 ROOF UNDERLAYMENT  
(2) LAYERS OF ROOF UNDERLAYMENT IS REQUIRED. SHALL BE INSTALLED WITH CORROSION RESISTANT FASTENERS SPACED AT 36" O.C., MAX.
- 3 ROOFING  
ROOF COVERING SHALL BE ASPHALT SHINGLES SHALL COMPLY WITH ASTM D3462.
- 4 ROOF BRACING  
RAFTERS SHALL BE 2x6 MIN. SPACED AT 24" O.C. MAX. CLEAR SPAN = 12'-0"  
RAFTERS SUPPORT PURLIN WITH 2x4 BRACING AT 4FT MAX SPACING. NOT ALL PURLINS & BRACING SHOWN.  
SUPPORT ROOF BRACING ON LOAD BEARING WALLS ONLY. ROOF BRACING SHALL NOT BEAR ON CEILING JOIST OR BEAMS.

ROOF PLAN

PLANS FOR:  
JAY & WENDY BADEAUX  
218 MARLIN DRIVE, RIGOLETS ESTATES S/D  
ST. TAMMANY PARISH, LA

HOUSE PLANS by **DesignTech** OF LOUISIANA, LLC  
St. Tammany Parish, LA.  
SLIDELL 985-847-0600

CODE	LIVING	AREA U. B.	INDEX
C4	2887	344	1339

DESIGNED BY	FINISHED BY	CHECKED BY	SHEET SIZE
DMH	JMC	DMH	24" X 36"

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