



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

Although every effort has been made in preparing these plans, the contractor must check all details for accuracy or errors and be responsible for same. Purchaser assumes the risk of any errors, omissions or mistakes during construction due to the fact that DesignTech does not perform field supervision nor select building materials, subcontractors and/or products/equipment. All notes, specifications and other information on the plans are included as instructed by and/or with the approval of Purchaser and without warranty of any kind whatsoever. PLANS HAVE BEEN PREPARED FOR USE BY KNOWLEDGEABLE AND EXPERIENCED LICENSED CONTRACTORS. This drawing contains valuable, confidential, proprietary, trade secret information of DesignTech Residential Planners, Inc. No reproduction or other use of the drawing or any of its contents is permitted without consent of DesignTech Residential Planners, Inc.

**RC REQUIREMENTS FOR ROOF ASSEMBLIES**

**R905.4 METAL ROOF PANELS:**  
THE INSTALLATION OF METAL ROOF PANELS SHALL COMPLY WITH THE PROVISIONS OF THIS SECTION.

**R905.41 DECK REQUIREMENTS:**  
METAL ROOF SHINGLES SHALL BE APPLIED TO SOLID OR CLOSELY FITTED DECK, EXCEPT WHERE THE ROOF COVERING IS SPECIFICALLY DESIGNED TO BE APPLIED TO SPACED SHEATHING.

**R905.42 DECK SLOPE:**  
METAL ROOF SHINGLES SHALL BE INSTALLED ON ROOF SLOPES BELOW 3 UNITS VERTICAL IN 12 UNITS HORIZONTAL/25 PERCENT SLOPE.

**R905.43 UNDERLYMENT:**  
UNDERLYMENT SHALL COMPLY WITH SECTION R905.11.

**R905.11(2) UNDERLYMENT APPLICATION:**  
UNDERLYMENT SHALL BE TWO LAYERS OF #30 APPLIED IN THE FOLLOWING MANNER. APPLY A 19-INCH STRIP OF UNDERLYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE, STARTING AT THE EAVE, APPLY 36-INCH WIDE SHEETS OF UNDERLYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE, DISTORTIONS IN THE UNDERLYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. END LAPS SHALL BE 4 INCHES AND SHALL BE OFFSET BY 6 FEET.

**R905.11(3) UNDERLYMENT APPLICATION:**  
THE UNDERLYMENT 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. UNDERLYMENT 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. TOWER-DRIVEN METAL CAPS SHALL HAVE A MINIMUM THICKNESS OF 0.010 INCH. MINIMUM THICKNESS OF THE OUTSIDE EDGE OF PLASTIC CAPS SHALL BE 0.025 INCH. THE CAP NAIL SHANK SHALL BE NOT LESS THAN 0.035 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.

**R905.43(1) ICE BARRIER:** ICE BARRIER SHALL COMPLY WITH SECTION R912.

**R912 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 UNDERLYMENT CEMENTED TOGETHER, OR A SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN PLACE OF NORMAL UNDERLYMENT & 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.

**R905.44 MATERIAL STANDARDS:**  
METAL ROOF SHINGLES ROOF COVERING SHALL COMPLY WITH TABLE R905.10.30. MATERIAL USED FOR METAL ROOF COVERINGS SHALL BE NATURALLY CORROSION RESISTANT OR BE MADE CORROSION RESISTANT IN ACCORDANCE WITH THE STANDARDS AND MINIMUM THICKNESS LISTED IN TABLE R905.10.30.

**R905.45 APPLICATION:** METAL ROOF SHINGLES SHALL BE SECURED TO THE ROOF IN ACCORDANCE WITH THIS CHAPTER AND APPROVED MANUFACTURER'S INSTALLATION INSTRUCTION.

**R905.46 FLASHING:** ROOF VALLEY FLASHING SHALL BE OF CORROSION-RESISTANT METAL OF THE SAME MATERIAL AS THE ROOF COVERING OR SHALL COMPLY WITH THE STANDARDS IN TABLE R905.10.30. THE VALLEY FLASHING SHALL EXTEND NOT LESS THAN 8 INCHES (203mm) FROM CENTERLINE EACH WAY AND SHALL HAVE A SPLASH DIVERTER RIB NOT LESS THAN 3/4 INCH (19mm) IN HEIGHT AT THE FLOW LINE FORMED AS PART OF THE FLASHING. SECTIONS OF FLASHING SHALL HAVE AN END LAP OF NOT LESS THAN 4 INCHES (102mm). THE METAL VALLEY FLASHING 36 INCH WIDE (914mm) UNDERLYMENT DIRECTLY UNDER IT CONSISTING OF ONE LAYER OF UNDERLYMENT RUNNING THE FULL LENGTH OF THE VALLEY. IN ADDITION TO UNDERLYMENT REQUIRED METAL ROOF SHINGLES, IN AREAS WHERE THE AVERAGE DAILY TEMPERATURE IN JANUARY IS 25 DEGREES FAHRENHEIT (-4 C) OR LESS THE METAL VALLEY FLASHING UNDERLYMENT SHALL BE SOLID-CEMENTED TO THE ROOFING UNDERLYMENT FOR ROOF SLOPES IN 1 UNITS IN 12 UNITS HORIZONTAL (50 PERCENT SLOPE) OR SELF-ADHERING POLYMER-MODIFIED BITUMEN SHEET.

**ROOFING NOTES**

1	ALL ROOF SHEATHING SHALL BE 15/32" EXPOSURE I 24/0 APA RATED PANELS. FASTEN WITH BANAILS AT 6" O.C. AT ALL FRAMING MEMBERS.
2	ROOF UNDERLYMENT (2) LAYERS OF ROOF UNDERLYMENT IS REQUIRED. SHALL BE INSTALLED WITH CORROSION RESISTANT FASTENERS SPACED AT 36" O.C., MAX.
3	ROOFING ROOF COVERING SHALL BE METAL SHINGLES SHALL COMPLY WITH ASTM D368
4	ROOF BRACING RAFTERS SHALL BE 2X6 MIN SPACED AT 24" O.C. MAX. MAX CLEAR SPAN = 10'-0" RAFTERS SUPPORT PURLING WITH 2x BRACING AT 4FT MAX SPACING. NOT ALL PURLING & BRACING SHOWN. SUPPORT ROOF BRACING ON LOAD BEARING WALLS ONLY. ROOF BRACING SHALL NOT BEAR ON CEILING JOIST OR BEAMS.

**ROOF PLAN**

PLANS FOR:  
ANTHONY & AMELIE PIZZA  
34355 HWY 433  
ST. TAMMANY PARISH, LA

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

DATE  
7-9-25

CODE	LIVING	AREA U. B.	INDEX
A4	2387	3168	13214

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

A-5

Copyright 2025 an unpublished work by DesignTech of LA, LLC  
ALL RIGHTS RESERVED.

EMAIL: houseplans@designtechusa.com