





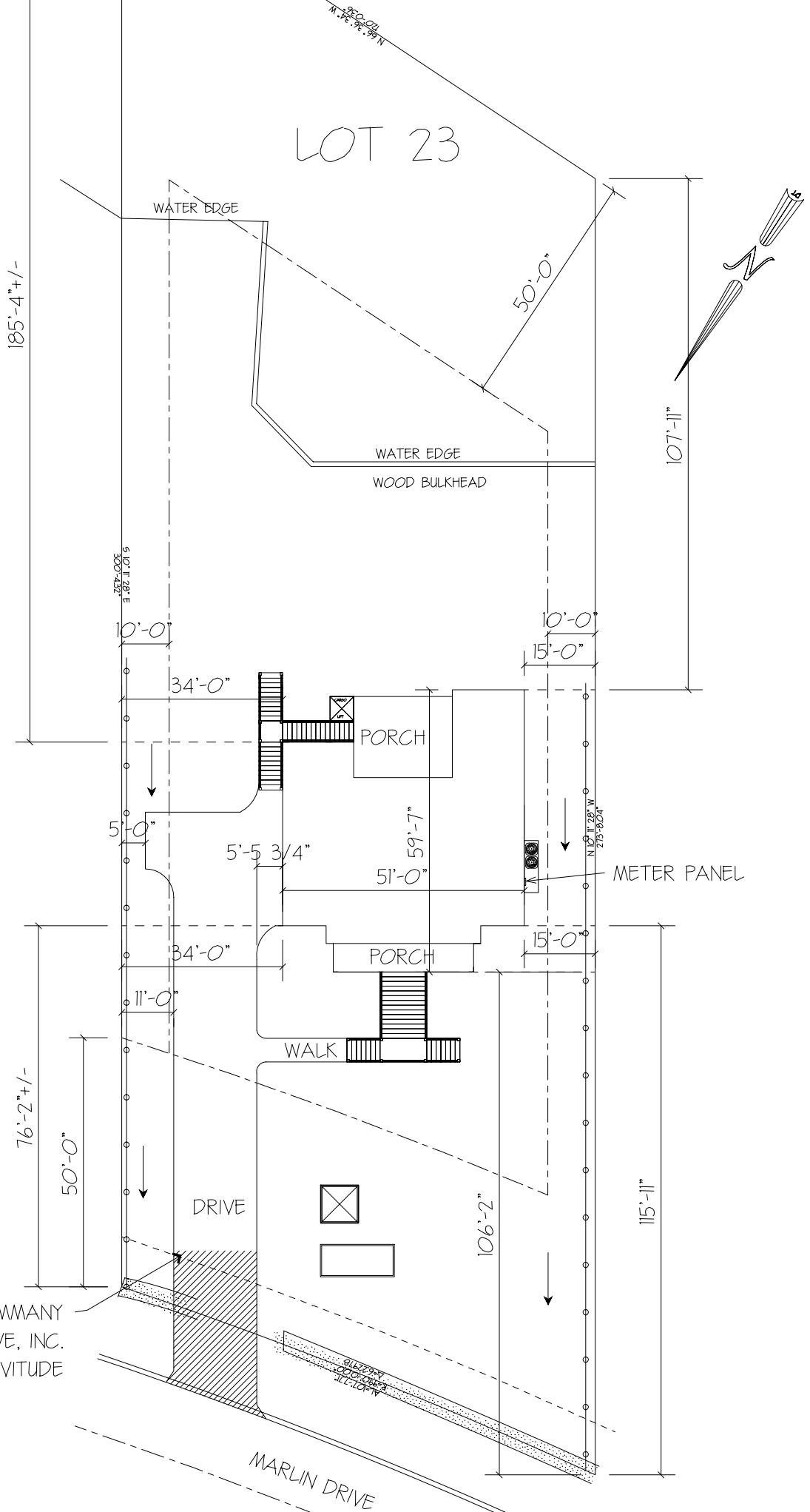


STORMWATER CONTROL LEGEND

-  EXIT PAD
-  EROSION MAT
-  SILT FENCE
-  DRAINAGE DIRECTION
-  PORTALET
-  TRASH DUMPSTER



THE SETBACKS AND RESTRICTIONS SHOWN ON THIS PLOT PLAN ARE LIMITED TO THOSE SET FORTH IN THE DESCRIPTION FURNISHED TO US. DESIGNTECH RECOMMENDS THAT SETBACKS AND LOT DIMENSIONS BE CONFIRMED BY PROFESSIONAL LAND SURVEYOR AND, OWNER BEFORE LOCATION OF BUILDING IS ESTABLISHED.

FRONT	50'
SIDES	10'
REAR	50'
SIDE STREET	N/A

MEMBER
A |
B **D**®

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.

DATE
 10-8-25

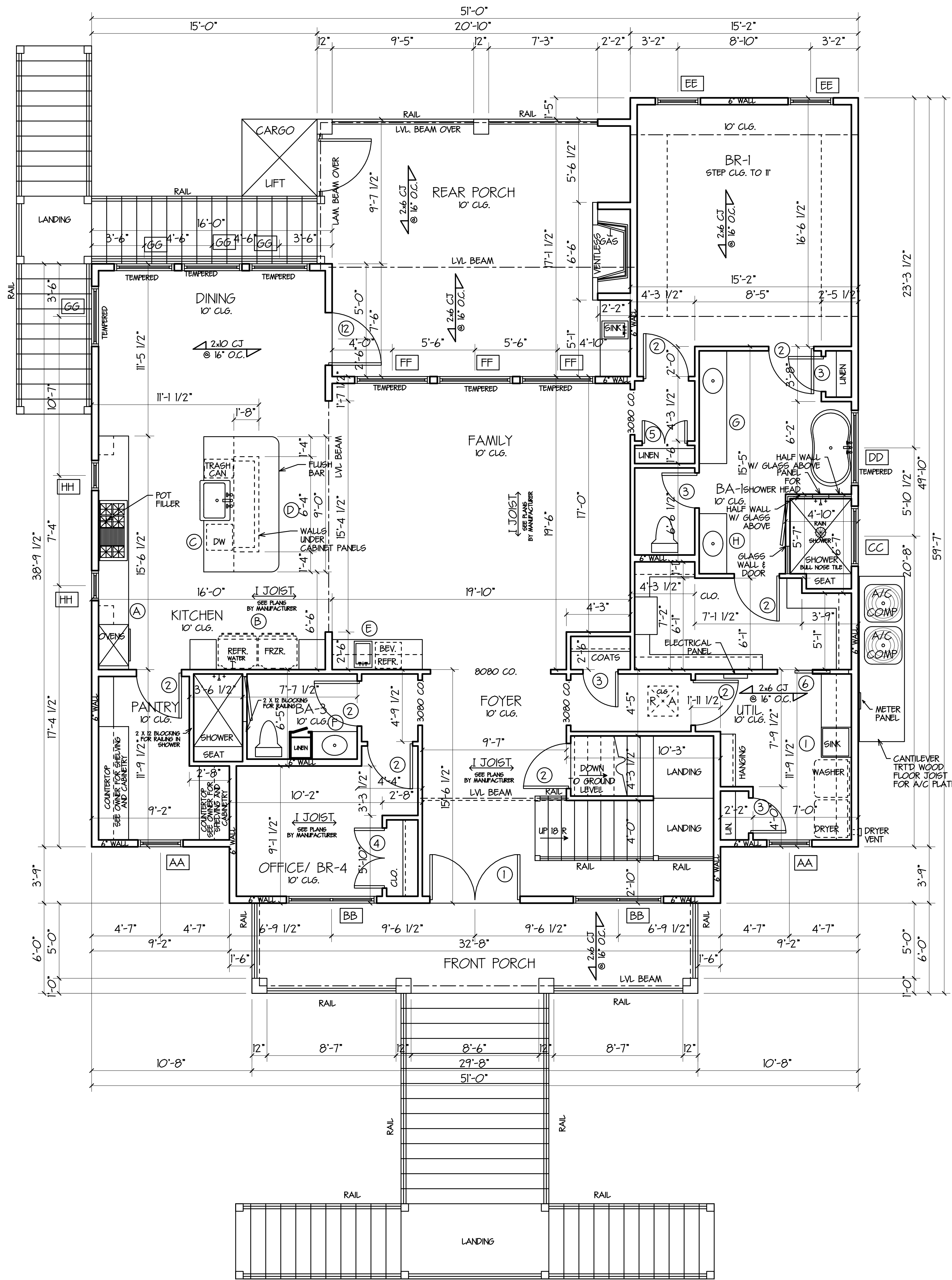
FLOOD ZONE
 C

WIND ZONE
 140 MPH

PLOT PLAN

SCALE 1" = 30'-0"

CODE	LIVING	AREA U.B.	INDEX
C4	2887	3414	13139



IRC 2021
WFCM
ECC 2021
NEC 2020
140 MPH WIND SPEED
EXPOSURE B
DESIGN MEETS THE PRESCRIPTIVE
ENERGY CODE REQUIREMENTS
CLIMATE ZONE: 2
MANUAL J CALCULATIONS BY OTHERS

RESIDENCE IS LOCATED IN A WINDBORNE DEBRIS PROTECTION REGION

THERMAL COMPONENT CRITERIA (U-FACTOR AND R-VALUE) (MAX. SHGC = 0.25 FOR GLAZING)			
MAXIMUM GLAZING PENETRATION U-FACTOR	MIN INSULATION R-VALUE		
	CLGS.	WALLS	FLOORS
0.40	R-38	R-13	R-13

R-8 DUCT INSULATION
ATTIC ACCESS INSULATED
INSULATE HOT & COLD WATERLINE IN UNCONDITIONED ATTIC AND CRAWSPACES.
FURR OUT 2x RAFTERS AS REQUIRED FOR BATT INSULATION AT CATHEDRAL CEILINGS OR USE SPRAYED FOAM INSULATION IF ACCEPTABLE.

- NOTES**
- CONTRACTOR SHALL SELECT WINDOW & DOOR PRODUCTS MEETING THE ENERGY EFFICIENCY REQUIREMENTS OF THE BUILDING CODE (BASED ON IRC 2021 CLIMATE ZONE 2 - U-FACTOR-0.40 MAX. SHGC-0.25 MAX)
 - CONTRACTOR SHALL SELECT WINDOW & DOOR PRODUCTS MEETING WIND DESIGN PRESSURE REQUIREMENTS OF R603 GARAGE DOOR SHALL BE RATED TO MEET WIND LIMITATIONS AS PER R 3022
 - PER R3011 DOORS BETWEEN GARAGE & RESIDENCE SHALL BE 20-MINUTE FIRE RATED DOORS (INCLUDING ATTIC STAIRS). ALSO PER R302.1 SELF CLOSING.
 - SAFETY GLAZING (TEMPERED GLASS) IS REQUIRED AT LOCATIONS IDENTIFIED IN R308.4 EX. GLAZING WITHIN 24" OF DOORS & OVER TUBS
 - PER R307.2 GARAGE SHALL BE SEPARATED FROM RESIDENCE BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE OF WALLS AND CEILING. GARAGES BENEATH HABITABLE ROOMS ABOVE SHALL BE SEPARATE BY NOT LESS THAN 5/8" TYPE X GYPSUM BOARD OR EQUIVALENT.
 - RAIL INDICATES GUARD RAIL AT PORCHES & GUARDRAIL WITH HANDRAIL AT STAIRS
 - OPENING IN THE RESIDENCE SHALL BE PROTECTED BY 20 MIN RATED DOORS.
 - IF REQUIRED ATTIC ACCESS (IRC-R807) IS LOCATED IN THE GARAGE, THE REQUIRED 1/2" GYPSUM WILL BE APPLIED TO CEILING AND DROP DOWN STAIR MUST BE 20 MIN RATED.
- PROTECTION OF APPLIANCE IN GARAGE IS REQUIRED.

WINDOW SCHEDULE

** ALL WINDOWS ARE IMPACT GLASS WINDOWS **

MARK	DESCRIPTION	HDR
AA	3060 VINYL SH.	8'-0"
BB	2-3060 VINYL SH.	8'-0"
CC	4020 VINYL FIXED GLASS	8'-0"
DD	5040 VINYL FIXED TEMPERED GLASS	8'-0"
EE	3060 VINYL CASEMENT	8'-0"
FF	5060 VINYL FIXED TEMPERED GLASS	8'-0"
GG	4060 VINYL FIXED TEMPERED GLASS	8'-0"
HH	2040 VINYL CASEMENT	8'-0"
II	3056 VINYL SH.	8'-0"
JJ	3056 VINYL SH. TEMPERED	8'-0"
KK	3056 VINYL CASEMENT	8'-0"

DOOR SCHEDULE

MARK	WIDTH	HEIGHT	THICK.	DESCRIPTION
1	6'-0"	8'-0"	1 3/4"	SEE ELEVATION
2	3'-0"	8'-0"	1 3/8"	RAISED PANEL INTERIOR
3	2'-4"	8'-0"	1 3/8"	RAISED PANEL INTERIOR
4	4'-0"	8'-0"	1 3/8"	PR. 2080 RAISED PANEL INT.
5	3'-0"	8'-0"	1 3/8"	PR. 1680 RAISED PANEL INT.
6	2'-4"	8'-0"	1 3/8"	RAISED PANEL POCKET
7	2'-8"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
8	2'-4"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
9	1'-6"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
10	4'-0"	6'-8"	1 3/8"	PR. 2068 RAISED PANEL INT.
11	2'-8"	6'-8"	1 3/4"	RAISED PANEL EXTERIOR
12	3'-6"	8'-0"	1 3/4"	1 LT. FRENCH EXTERIOR



CABINET ELEVATIONS
SCALE 1/4" = 1'-0"

AREA	
1ST LEVEL LIVING AREA	2120
2ND LEVEL LIVING AREA	767
TOTAL LIVING AREA	2887
GARAGE	N/A
PORCHES	527
TOTAL AREA UNDER B'M	3414
GROUND LEVEL	2469

1ST LEVEL FLOOR PLAN
SCALE 1/4" = 1'-0"

** ALL 6" EXTERIOR WALLS **

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1ST LEVEL FLOOR PLAN

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

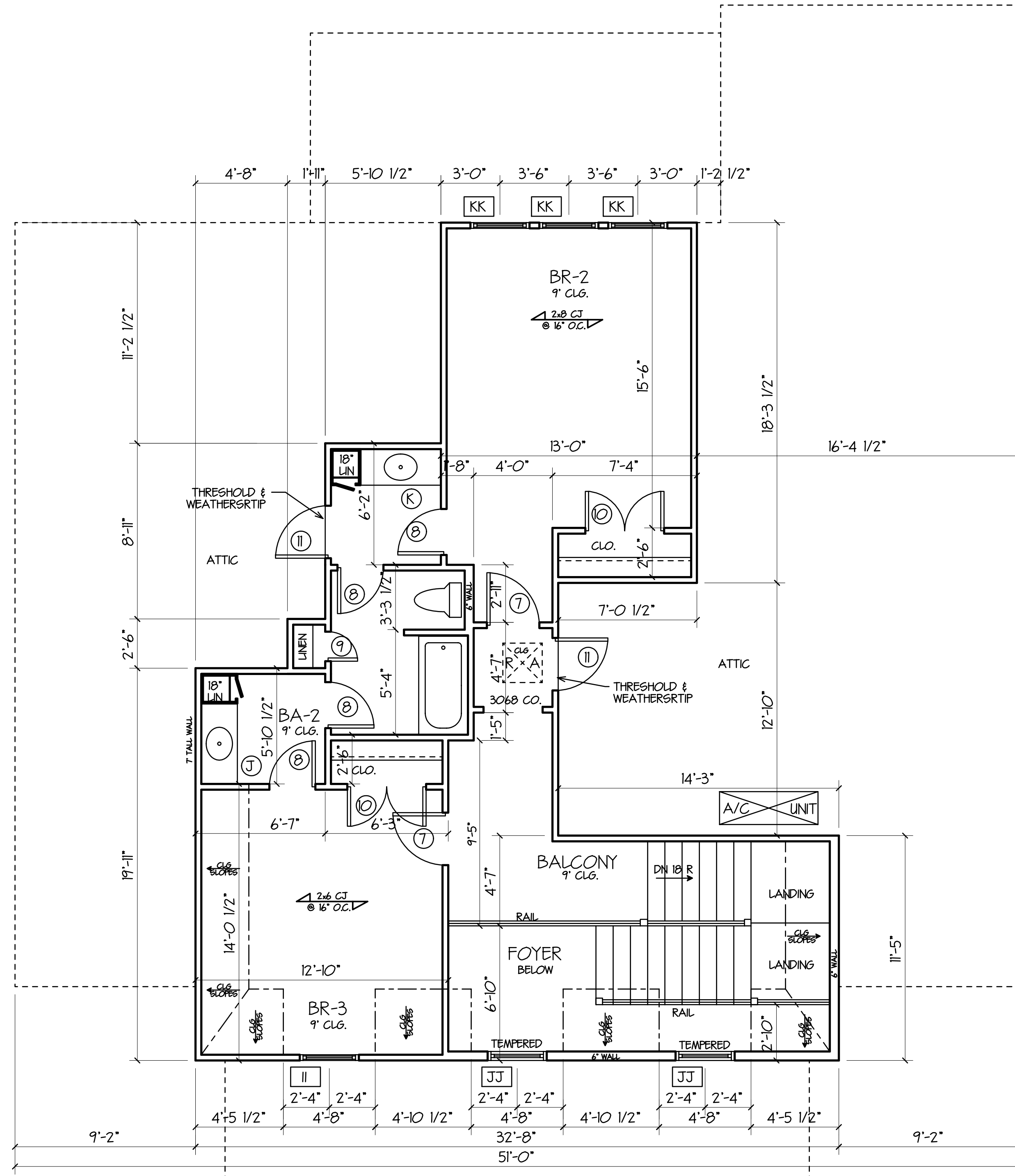
HOUSE PLANS by **DesignTech OF LOUISIANA, LLC**
St. Tammany Parish, LA.
SLIDELL 985-847-0600

CODE	LIVING	AREA U. B.	INDEX
C4	2887	3414	1339

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

DATE: 10-8-25

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2ND LEVEL FLOOR PLAN
SCALE 1/4" = 1'-0"

IRC 2021
WFCM
ECC 2021
NEC 2020
140 MPH WIND SPEED
EXPOSURE: B
DESIGN MEETS THE PRESCRIPTIVE
ENERGY CODE REQUIREMENTS
CLIMATE ZONE: 2
MANUAL J CALCULATIONS BY OTHERS



CABINET ELEVATIONS
SCALE 1/4" = 1'-0"

RESIDENCE IS LOCATED IN A WINDBORNE DEBRIS PROTECTION REGION

Thermal Component Criteria (U-Factor and R-Value) (Max. SHGC = 0.25 for Glazing)

MAXIMUM GLAZING PENETRATION U-FACTOR	MIN INSULATION R-VALUE		
	GLAZ.	WALLS	FLOORS
0.40	R-38	R-13	R-13

R-8 DUCT INSULATION
ATTIC ACCESS INSULATED
INSULATE HOT & COLD WATERLINE IN UNCONDITIONED ATTIC AND CRAWSPACES.
FURR OUT 2x RAFTERS AS REQUIRED FOR BATT INSULATION AT CATHEDRAL CEILINGS OR USE SPRAYED FOAM INSULATION IF ACCEPTABLE.

- NOTES
- CONTRACTOR SHALL SELECT WINDOW & DOOR PRODUCTS MEETING THE ENERGY EFFICIENCY REQUIREMENTS OF THE BUILDING CODE (BASED ON IRC 2021 CLIMATE ZONE 2 - U-FACTOR-0.40 MAX. SHGC-0.25 MAX)
 - CONTRACTOR SHALL SELECT WINDOW & DOOR PRODUCTS MEETING WIND DESIGN PRESSURE REQUIREMENTS OF R603 GARAGE DOOR SHALL BE RATED TO MEET WIND LIMITATIONS AS PER R 3022
 - PER R3091 DOORS BETWEEN GARAGE & RESIDENCE SHALL BE 20-MINUTE FIRE RATED DOORS (INCLUDING ATTIC STAIRS). ALSO PER R302.51 SELF CLOSING.
 - SAFETY GLAZING (TEMPERED GLASS) IS REQUIRED AT LOCATIONS IDENTIFIED IN R308.4 (EX. GLAZING WITHIN 24" OF DOORS & OVER TUBS)
 - PER R3092 GARAGE SHALL BE SEPARATED FROM RESIDENCE BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE OF WALLS AND CEILING. GARAGES BENEATH HABITABLE ROOMS ABOVE SHALL BE SEPARATE BY NOT LESS THAN 5/8" TYPE X GYPSUM BOARD OR EQUIVALENT.
 - RAIL INDICATES GUARD RAIL AT PORCHES & GUARDRAIL WITH HANDRAIL AT STAIRS
 - OPENING IN THE RESIDENCE SHALL BE PROTECTED BY 20 MIN RATED DOORS.
 - IF REQUIRED ATTIC ACCESS (IRC-R807) IS LOCATED IN THE GARAGE, THE REQUIRED 1/2" GYPSUM WILL BE APPLIED TO CEILING AND DROP DOWN STAIR MUST BE 20 MIN RATED.
- PROTECTION OF APPLIANCE IN GARAGE IS REQUIRED.

WINDOW SCHEDULE

** ALL WINDOWS ARE IMPACT GLASS WINDOWS **

MARK	DESCRIPTION	HDR
AA	3060 VINYL SH.	8'-0"
BB	2-3060 VINYL SH.	8'-0"
CC	4020 VINYL FIXED GLASS	8'-0"
DD	5040 VINYL FIXED TEMPERED GLASS	8'-0"
EE	3060 VINYL CASEMENT	8'-0"
FF	5060 VINYL FIXED TEMPERED GLASS	8'-0"
GG	4060 VINYL FIXED TEMPERED GLASS	8'-0"
HH	2040 VINYL CASEMENT	8'-0"
II	3056 VINYL SH.	8'-0"
JJ	3056 VINYL SH. TEMPERED	8'-0"
KK	3056 VINYL CASEMENT	8'-0"

DOOR SCHEDULE

MARK	WIDTH	HEIGHT	THICK.	DESCRIPTION
1	6'-0"	8'-0"	1 3/4"	SEE ELEVATION
2	3'-0"	8'-0"	1 3/8"	RAISED PANEL INTERIOR
3	2'-4"	8'-0"	1 3/8"	RAISED PANEL INTERIOR
4	4'-0"	8'-0"	1 3/8"	PR. 2080 RAISED PANEL INT.
5	3'-0"	8'-0"	1 3/8"	PR. 1680 RAISED PANEL INT.
6	2'-4"	8'-0"	1 3/8"	RAISED PANEL POCKET
7	2'-8"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
8	2'-4"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
9	1'-6"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
10	4'-0"	6'-8"	1 3/8"	PR. 2068 RAISED PANEL INT.
11	2'-8"	6'-8"	1 3/4"	RAISED PANEL EXTERIOR
12	3'-6"	8'-0"	1 3/4"	1 LT. FRENCH EXTERIOR

2ND LEVEL FLOOR 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

DATE: 10-8-25

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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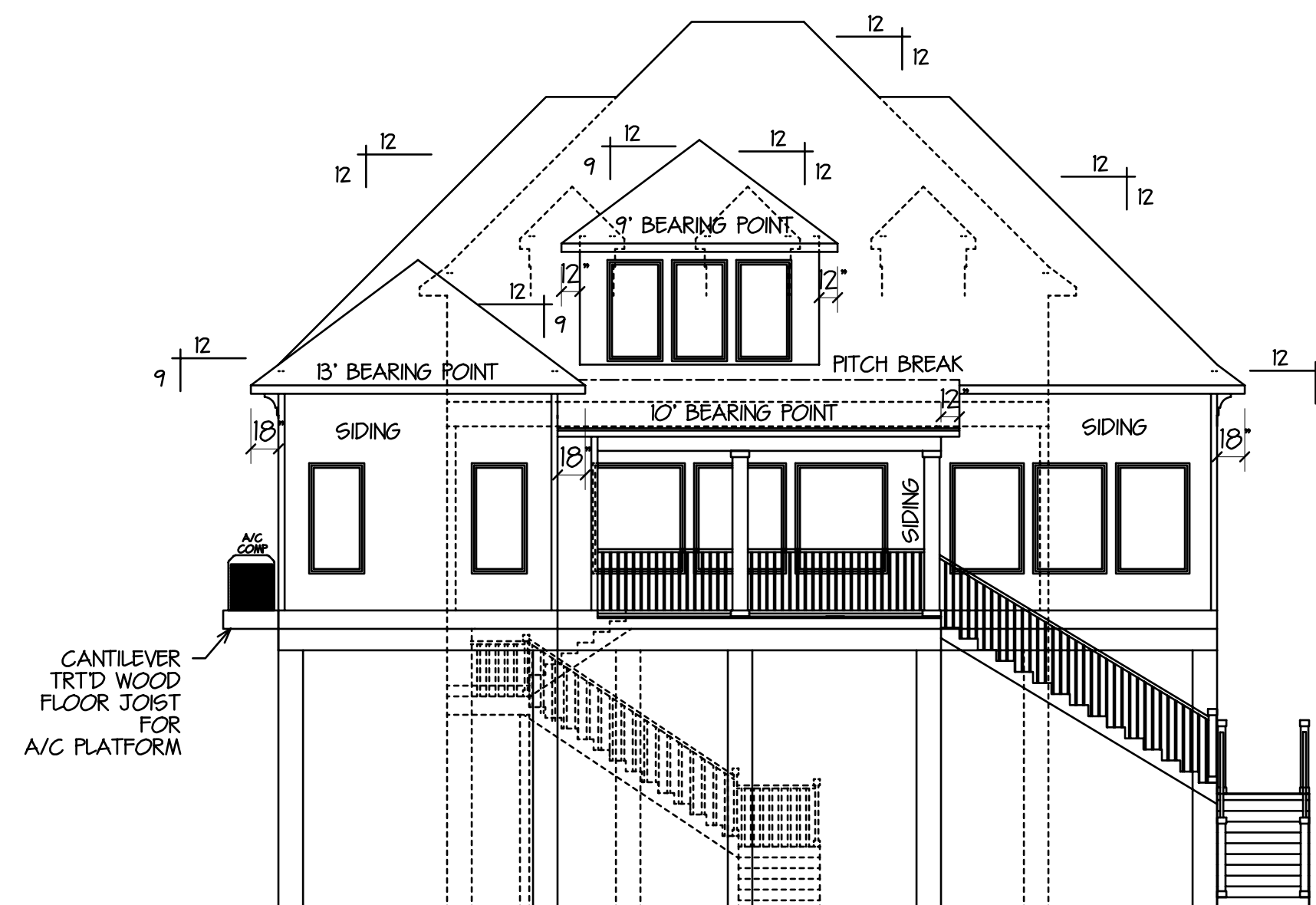
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FRONT ELEVATION

SCALE 1/4" = 1'-0"
SEE PLANS BY ENGINEER FOR FOUNDATION DESIGN



REAR ELEVATION

SCALE - 1/8" = 1'-0"
SEE PLANS BY ENGINEER FOR FOUNDATION DESIGN

NOTES

BRICK VENEER REQUIREMENTS

1. IRC 703.7.41 - REQUIRES BRICK TIES AT 16" HORIZONTAL AND 16" VERTICAL.
2. IRC 703.7.42 REQUIRE 1" OF AIRSPACE BETWEEN BRICK AND OUTSIDE BARRIER.
3. IRC 703.7.6 - REQUIRES WEEPHOLES BE PLACED AT MAXIMUM OF 33" O.C.
4. IRC 703.8 - REQUIRES THE USE OF FLASHING.

IRC GLASS REQUIREMENTS

1. GLASS WILL MEET 140 MPH WIND LOAD REQUIREMENT (FPS0) & PASS IMPACT RESISTANCE TEST ASTM E1886 OR BE BOARDED WITH AN APPROVED ASSEMBLY THAT MEETS PRESCRIBED REQUIREMENTS OF THE IRC.
2. GLASS DOORS & WINDOWS WITHIN 18" OF FINISHED FLOOR ARE CONSIDER "HIGH HAZARD AREAS" AND MUST COMPLY WITH IRC 308 GLAZING.
3. BEDROOMS ARE REQUIRED TO HAVE A RESCUE POINT (WINDOW), THAT POINTS SHALL HAVE 5.0 SQ. FT. OF OPENING AT GROUND LEVEL AND 5.7 SQ. FT. IF ABOVE GROUND LEVEL. THE MINIMUM ANY ONE SIDED DIMENSION SHALL BE 20" IN LENGTH AND 24" IN HEIGHT.
4. SHUTTERS SHALL BE ENGINEERED IF USED INSTEAD OF IMPACT GLASS.
5. GARAGE DOOR SHALL BE 140 MPH WIND RATED DOOR
6. 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 CEMENTED 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.

ELEVATIONS & SECTION

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

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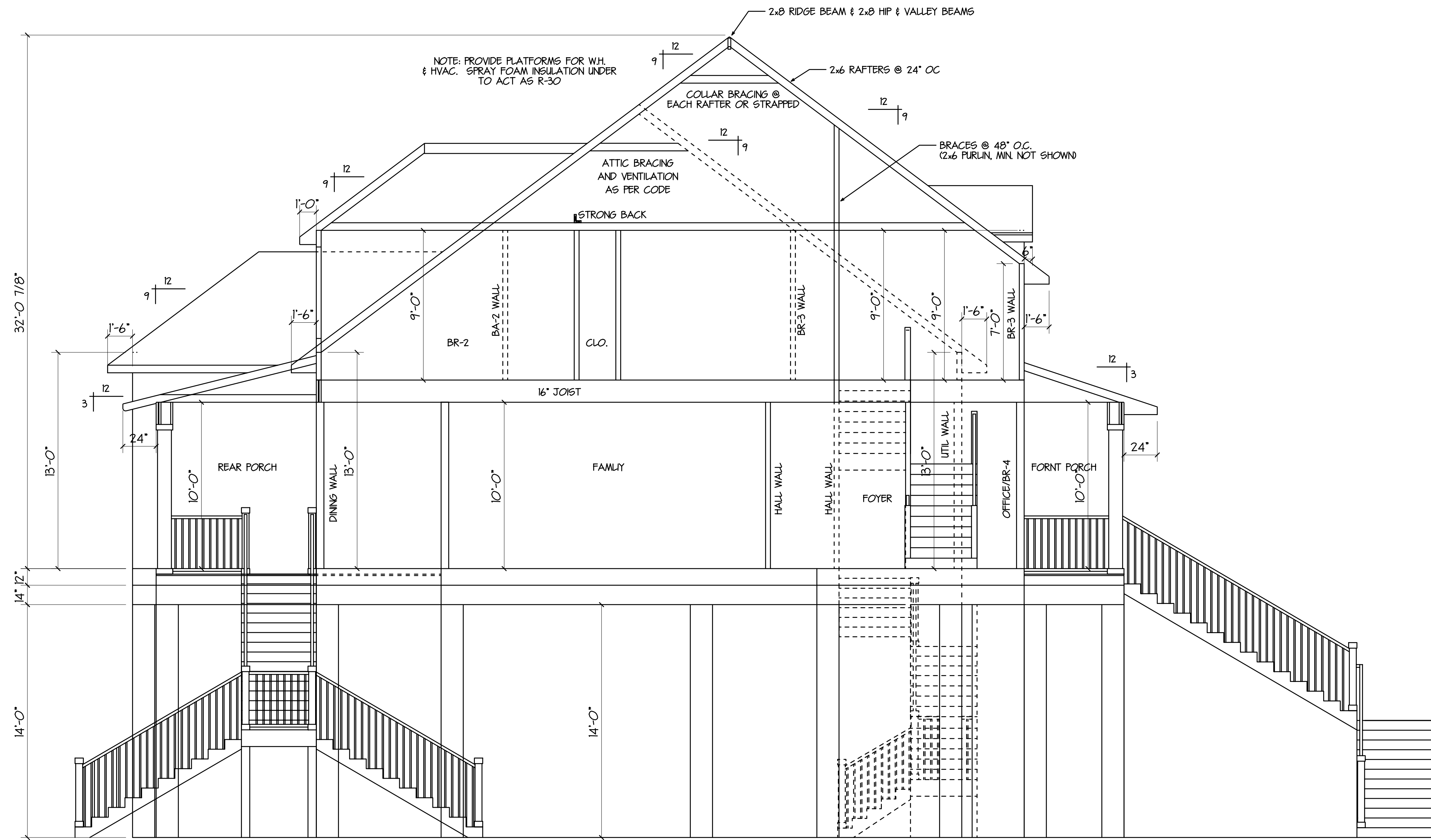
DESIGNED BY	FINISHED BY	CHECKED BY	SHEET SIZE
DMH	JMC	DMH	24" X 36"

A-3

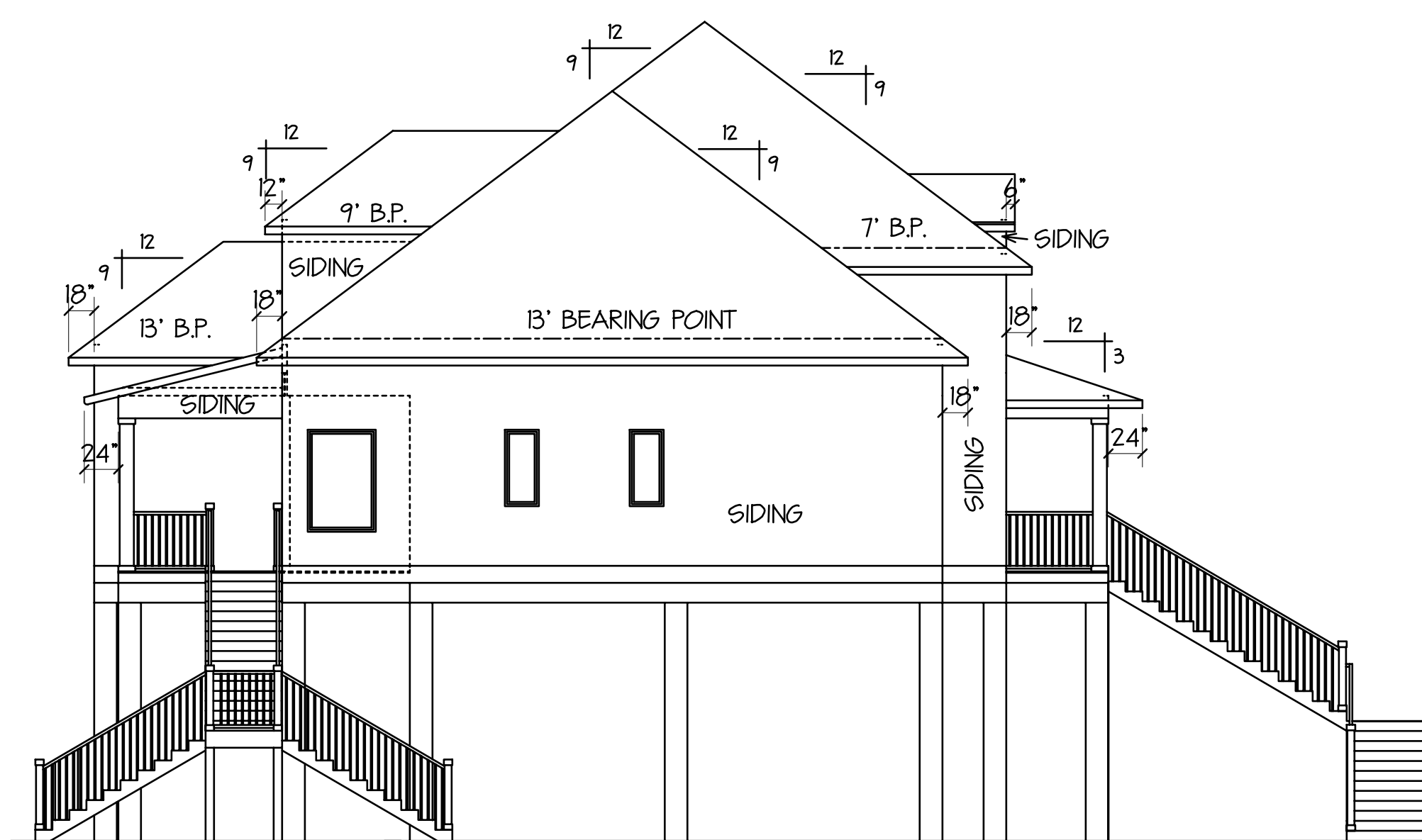
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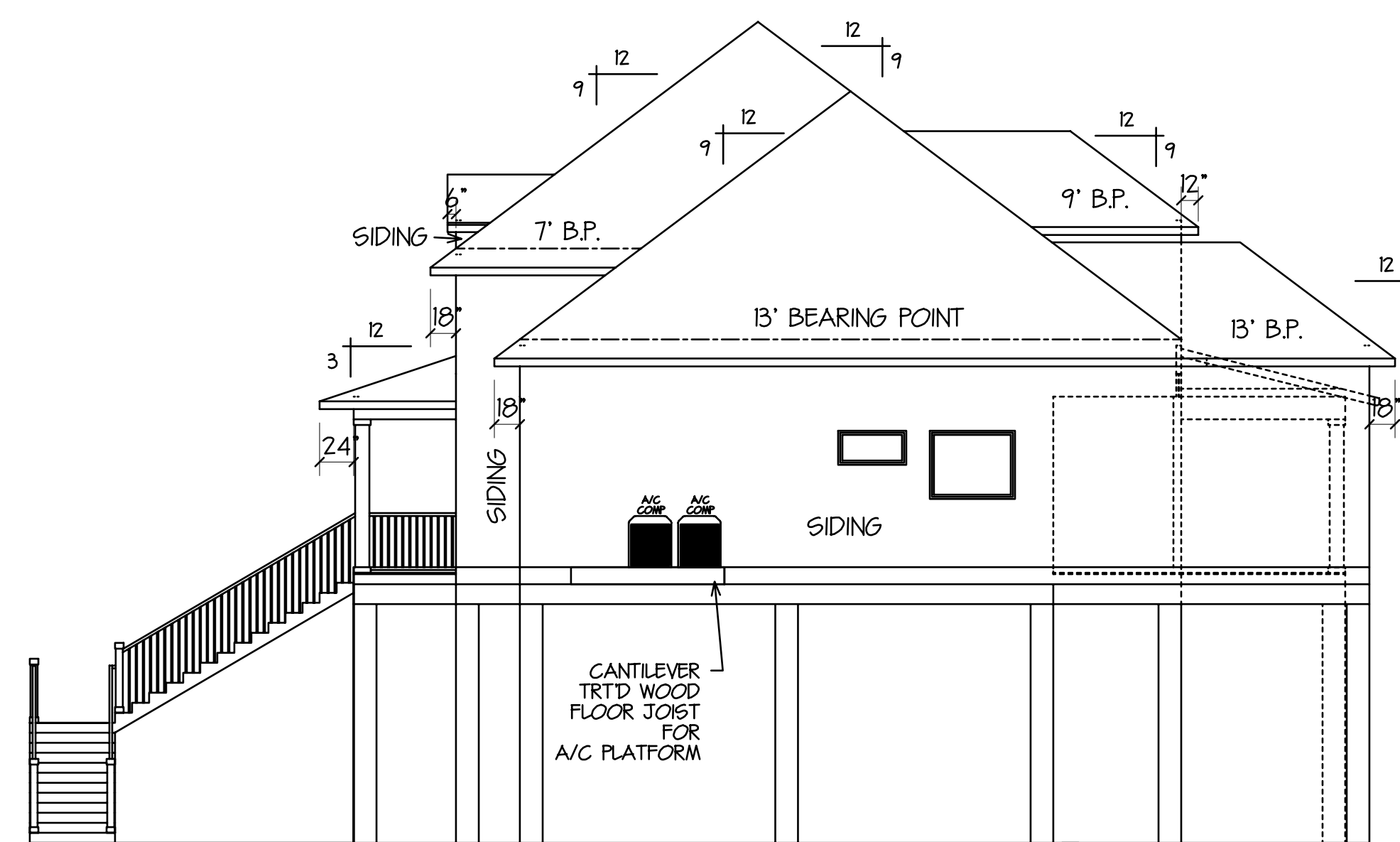
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TYPICAL CROSS SECTION
SCALE 1/4" = 1'-0"
SEE PLANS BY ENGINEER FOR FOUNDATION DESIGN



LEFT SIDE ELEVATION
SCALE - 1/8" = 1'-0"
SEE PLANS BY ENGINEER FOR FOUNDATION DESIGN



RIGHT SIDE ELEVATION
SCALE - 1/8" = 1'-0"
SEE PLANS BY ENGINEER FOR FOUNDATION DESIGN

ADDITIONAL ELEVATIONS

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

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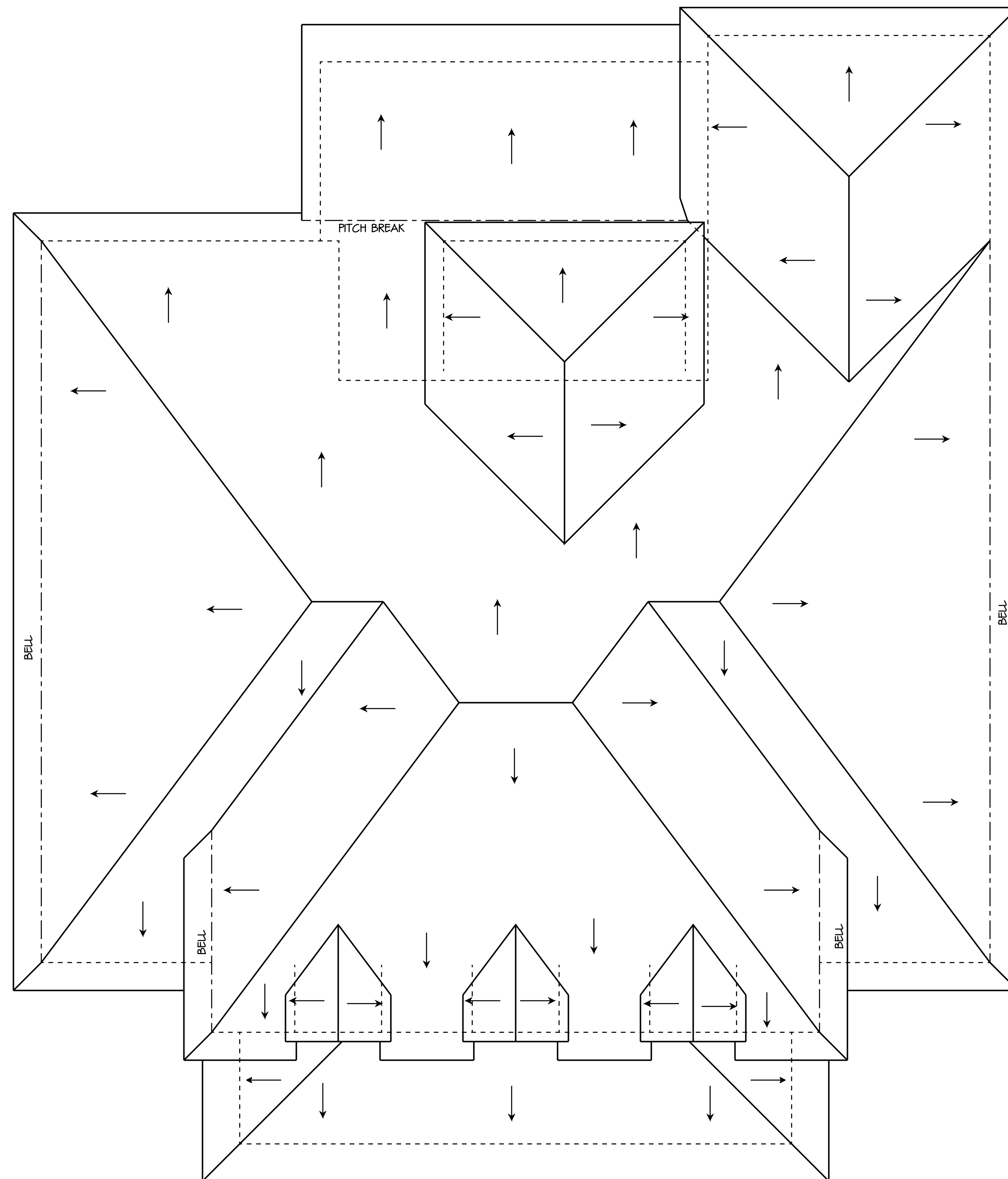
DESIGNED BY DMH
FINISHED BY JMC
CHECKED BY DMH

SHEET SIZE
24" X 36"

INDEX
A-4

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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 CEMENTED 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 I, 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

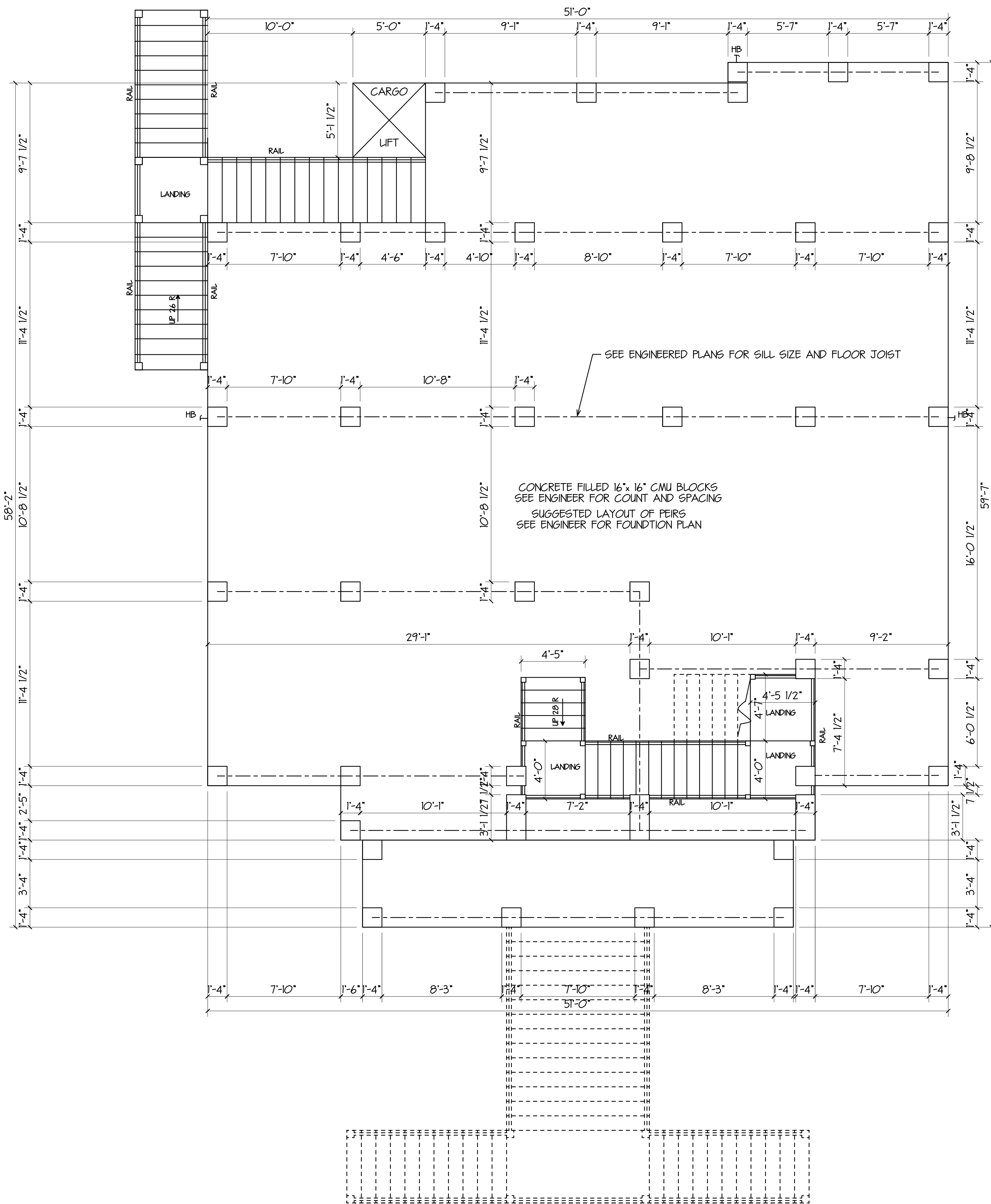
DESIGNED BY	FINISHED BY	CHECKED BY	SHEET SIZE
DMH	JMC	DMH	24" X 36"

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GROUND LEVEL FLOOR PLAN
SCALE 1/4" = 1'-0"

IRC 2021
WFCM
ECC 2021
NEC 2020
140 MPH WIND SPEED
EXPOSURE B
DESIGN MEETS THE PRESCRIPTIVE
ENERGY CODE REQUIREMENTS
CLIMATE ZONE: 2
MANUAL J CALCULATIONS BY OTHERS

RESIDENCE IS LOCATED IN A
WINDBORNE DEBRIS PROTECTION REGION

HERMAL COMPONENT CRITERIA
(U-FACTOR AND R-VALUE)
(MAX. SHGC = 0.25 FOR GLAZING)

MAXIMUM GLAZING (PENETRATION) U-FACTOR 0.40	MIN INSULATION R-VALUE		
	CLGS.	WALLS	FLOORS
	R-38	R-13	R-13

R-8 DUCT INSULATION
ATTIC ACCESS INSULATED
INSULATE HOT & COLD WATERLINE IN
UNCONDITIONED ATTIC AND CRAWLSPACES.
FURR OUT 2x RAFTERS AS REQUIRED FOR BATT
INSULATION AT CATHEDRAL CEILINGS OR USE
SPRATED FOAM INSULATION IF ACCEPTABLE.

- NOTES
- CONTRACTOR SHALL SELECT WINDOW & DOOR PRODUCTS MEETING THE ENERGY EFFICIENCY REQUIREMENTS OF THE BUILDING CODE (BASED ON IRC 2021 CLIMATE ZONE 2 - U-FACTOR-0.40 MAX. SHGC-0.25 MAX)
 - CONTRACTOR SHALL SELECT WINDOW & DOOR PRODUCTS MEETING WIND DESIGN PRESSURE REQUIREMENTS OF R603 (GARAGE DOOR SHALL BE RATED TO MEET WIND LIMITATIONS AS PER R 3022)
 - PER R3091 DOORS BETWEEN GARAGE & RESIDENCE SHALL BE 20-MINUTE FIRE RATED DOORS (INCLUDING ATTIC STAIRS). ALSO PER R302.51 SELF CLOSING.
 - SAFETY GLAZING (TEMPERED GLASS) IS REQUIRED AT LOCATIONS IDENTIFIED IN R308.4 (EX. GLAZING WITHIN 24" OF DOORS & OVER TUBS)
 - PER R3092 GARAGE SHALL BE SEPARATED FROM RESIDENCE BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE OF WALLS AND CEILING. GARAGES BENEATH HABITABLE ROOMS ABOVE SHALL BE SEPARATE BY NOT LESS THAN 5/8" TYPE X GYPSUM BOARD OR EQUIVALENT.
 - RAIL INDICATES GUARD RAIL AT PORCHES & GUARDRAIL WITH HANDRAIL AT STAIRS
 - OPENING IN THE RESIDENCE SHALL BE PROTECTED BY 20 MIN RATED DOORS.
 - IF REQUIRED ATTIC ACCESS (IRC-R807) IS LOCATED IN THE GARAGE, THE REQUIRED 1/2" GYPSUM WILL BE APPLIED TO CEILING AND DROP DOWN STAIR MUST BE 20 MIN RATED.
- PROTECTION OF APPLIANCE IN GARAGE IS REQUIRED.

WINDOW SCHEDULE

** ALL WINDOWS ARE
IMPACT GLASS WINDOWS **

MARK	DESCRIPTION	HDR
AA	3060 VINYL SH.	8'-0"
BB	2-3060 VINYL SH.	8'-0"
CC	4020 VINYL FIXED GLASS	8'-0"
DD	5040 VINYL FIXED TEMPERED GLASS	8'-0"
EE	3060 VINYL CASEMENT	8'-0"
FF	5060 VINYL FIXED TEMPERED GLASS	8'-0"
GG	4060 VINYL FIXED TEMPERED GLASS	8'-0"
HH	2040 VINYL CASEMENT	8'-0"
II	3056 VINYL SH.	8'-0"
JJ	3056 VINYL SH. TEMPERED	8'-0"
KK	3056 VINYL CASEMENT	8'-0"

DOOR SCHEDULE

MARK	WIDTH	HEIGHT	THICK.	DESCRIPTION
1	6'-0"	8'-0"	1 3/4"	SEE ELEVATION
2	3'-0"	8'-0"	1 3/8"	RAISED PANEL INTERIOR
3	2'-4"	8'-0"	1 3/8"	RAISED PANEL INTERIOR
4	4'-0"	8'-0"	1 3/8"	PR. 2080 RAISED PANEL INT.
5	3'-0"	8'-0"	1 3/8"	PR. 1680 RAISED PANEL INT.
6	2'-4"	8'-0"	1 3/8"	RAISED PANEL POCKET
7	2'-8"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
8	2'-4"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
9	1'-6"	6'-8"	1 3/8"	RAISED PANEL INTERIOR
10	4'-0"	6'-8"	1 3/8"	PR. 2068 RAISED PANEL INT.
11	2'-8"	6'-8"	1 3/4"	RAISED PANEL EXTERIOR
12	3'-6"	8'-0"	1 3/4"	1 LT. FRENCH EXTERIOR

GROUND LEVEL FLOOR PLAN

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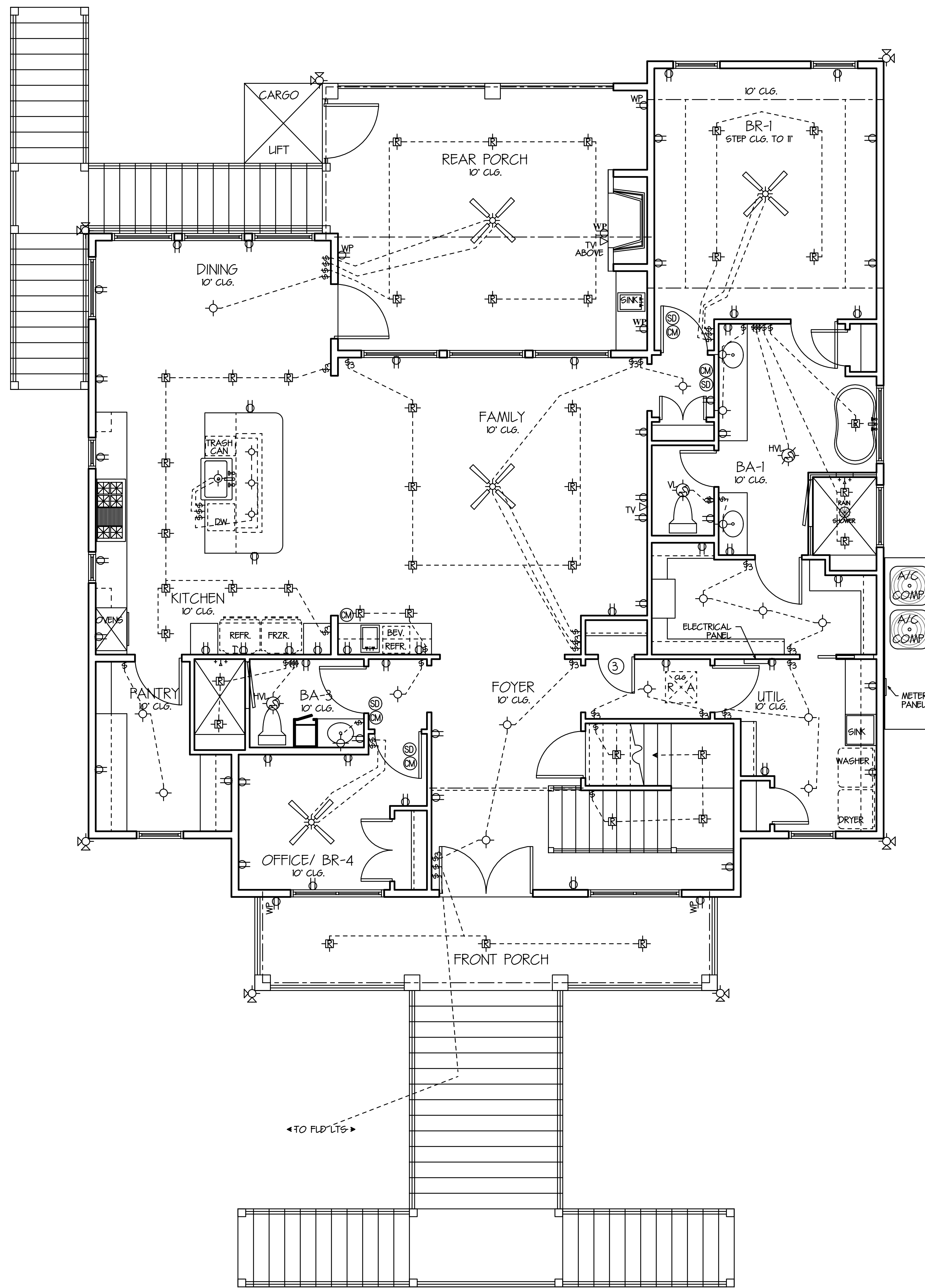
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1ST LEVEL ELECTRICAL PLAN
SCALE 1/4"=1'-0"

LIGHTING LEGEND			
	CEILING LIGHT		220 V OUTLET
	RECESS CAN		SMOKE DETECTOR
	FLOOD LIGHT		CARBON MONOXIDE DETECTOR
	FAN WITH LIGHT KIT		HEATER/VENT/LIGHT
	FLUORESCENT LIGHT		VENT/LIGHT
	OUTLET		CAMERA
			WATERPROOF OUTLET

ELECTRICAL NOTES

NEC210.52 EACH GARAGE SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET FOR EACH CAR SPACE AND THE CIRCUIT SHALL NOT SUPPLY ANY OUTLETS OUTSIDE OF THE GARAGE.

NEC210.8 GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL.

(A) DWELLING UNITS. ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCATIONS SPECIFIED IN (D) THROUGH (S) SHALL HAVE GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL.

(B) BATHROOMS.

(C) GARAGES, AND ALSO ACCESSORY BUILDINGS THAT HAVE A FLOOR LOCATED AT OR BELOW GRADE, SHALL BE LIMITED TO STORAGE AREAS, WORK AREAS, AND AREAS OF SIMILAR USE.

(D) OUTDOORS.

(E) CRAWL SPACES AT OR BELOW GRADE LEVEL.

(F) UNFINISHED BASEMENTS FOR PURPOSES OF THIS SECTION, UNFINISHED BASEMENTS ARE DEFINED AS PORTIONS OR AREAS OF THE BASEMENT NOT INTENDED AS HABITABLE ROOMS AND LIMITED TO STORAGE AREAS, WORK AREAS AND THE LIKE.

(G) KITCHENS WHERE THE RECEPTACLES ARE INSTALLED TO SERVE THE COUNTERTOP SURFACES.

(H) LAUNDRY, UTILITY, AND WET BAR SINKS WHERE THE RECEPTACLES ARE INSTALLED WITHIN 6 FEET OF THE OUTSIDE EDGE OF THE SINK.

(I) BATHROOMS.

NEC210.12 ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION

(A) DEFINITION: ARC-FAULT CIRCUIT-INTERRUPTER. AN ARC-FAULT CIRCUIT INTERRUPTER IS A DEVICE INTENDED TO PROVIDE PROTECTION FROM THE EFFECTS OF ARC FAULTS BY RECOGNIZING CHARACTERISTICS UNIQUE TO ARCING AND BY FUNCTIONING TO DE-ENERGIZE THE CIRCUIT WHEN AN ARC FAULT IS DETECTED.

(B) DWELLING UNITS. ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

EACH GARAGE SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET FOR EACH CAR SPACE AND THE CIRCUIT SHALL NOT SUPPLY ANY OUTLET OUTSIDE OF THE GARAGE NEC 210.52.

NEC240.24 LOCATION IN OR ON PREMISES

(A) ACCESSIBILITY. OVERCURRENT DEVICES SHALL BE READILY ACCESSIBLE AND SHALL BE INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST POSITION, IS NOT MORE THAN 6 FEET 7 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.

(B) OCCUPANCY. EACH OCCUPANT SHALL HAVE READY ACCESS TO ALL OVERCURRENT DEVICES PROTECTING THE CONDUCTORS SUPPLYING THAT OCCUPANCY.

(C) NOT EXPOSED TO PHYSICAL DAMAGE. OVERCURRENT DEVICES SHALL BE LOCATED WHERE THEY WILL NOT BE EXPOSED TO PHYSICAL DAMAGE.

(D) NOT IN VICINITY OF EASILY IGNITABLE MATERIAL. OVERCURRENT DEVICES SHALL NOT BE LOCATED IN THE VICINITY OF EASILY IGNITABLE MATERIAL, SUCH AS IN CLOTHES CLOSETS.

(E) NOT LOCATED IN BATHROOMS. IN DWELLING UNITS AND GUEST ROOMS OR GUEST SUITES OF HOTELS AND MOTELS, OVERCURRENT DEVICES, OTHER THAN SUPPLEMENTARY OVERCURRENT PROTECTION, SHALL NOT BE LOCATED IN BATHROOMS.

NEC406.12 TAMPER PROOF RECEPTACLES SHALL BE INSTALLED IN ALL AREAS LESS THAN 66" ABOVE THE FLOOR.

IRC M 603 APPLIANCE ACCESS REQUIREMENTS

- MUST BE WITHIN 20 FEET OF ATTIC ACCESS
- MINIMUM 24 INCH WIDE SOLID WALKING SURFACE WITH HEADROOM OF 30 INCHES IS TO BE PROVIDED
- 30" X 30" SERVICE LOCATION IS REQUIRED AT UNIT
- ATTIC LIGHTING REQUIRED WITH LIGHT SWITCH AT ATTIC ENTRY

MECHANICAL VENTILATION TEST REQUIRED

IRC 202 SECTION R303.4 REQUIRES A BLOWER DOOR TEST COMPL. WITH SECTION N 102.4.12 FOR EACH DWELLING UNIT. A WRITTEN REPORT BY A THIRD PARTY INSPECTOR SHALL BE PROVIDED TO THE BUILDING INSPECTOR FOR APPROVAL.

IRC M 603.4 MAKEUP AIR REQUIRED

EXHAUST HOOD SYSTEMS CAPABLE OF 400 CUBIC FEET PER MINUTE (CFM 3/4) SHALL BE MECHANICAL OR NATURALLY PROVIDED WITH MAKEUP AIR AT A RATE APPROXIMATELY EQUAL TO THE EXHAUST AIR RATE. SUCH MAKEUP AIR SYSTEMS SHALL BE EQUIPPED WITH NOT LESS THAN ONE DAMPER EACH DAMPER SHALL BE A GRAVITY DAMPER OR AN ELECTRICALLY OPERATED DAMPER THAT AUTOMATICALLY OPENS WHEN THE EXHAUST SYSTEM OPERATES. DAMPERS SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION OR ANY OTHER DUCTS NOT CONNECTED TO THE DAMPER BEING INSPECTED, SERVICED, REPAIR, OR REPLACED.

1ST LEVEL ELECTRICAL PLAN

PLANS FOR:
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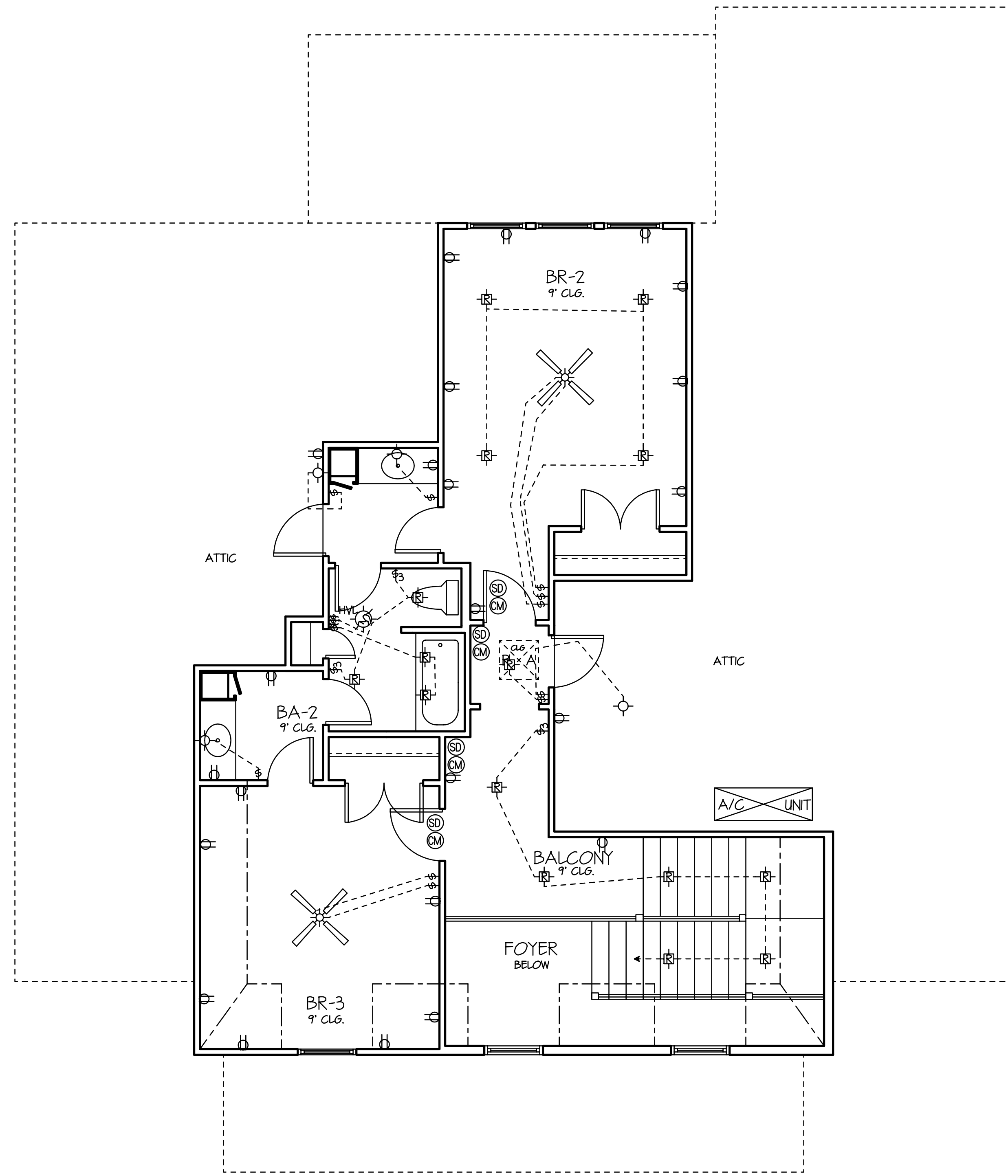
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2ND LEVEL ELECTRICAL PLAN

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HOUSE PLANS by DATE
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DesignTech
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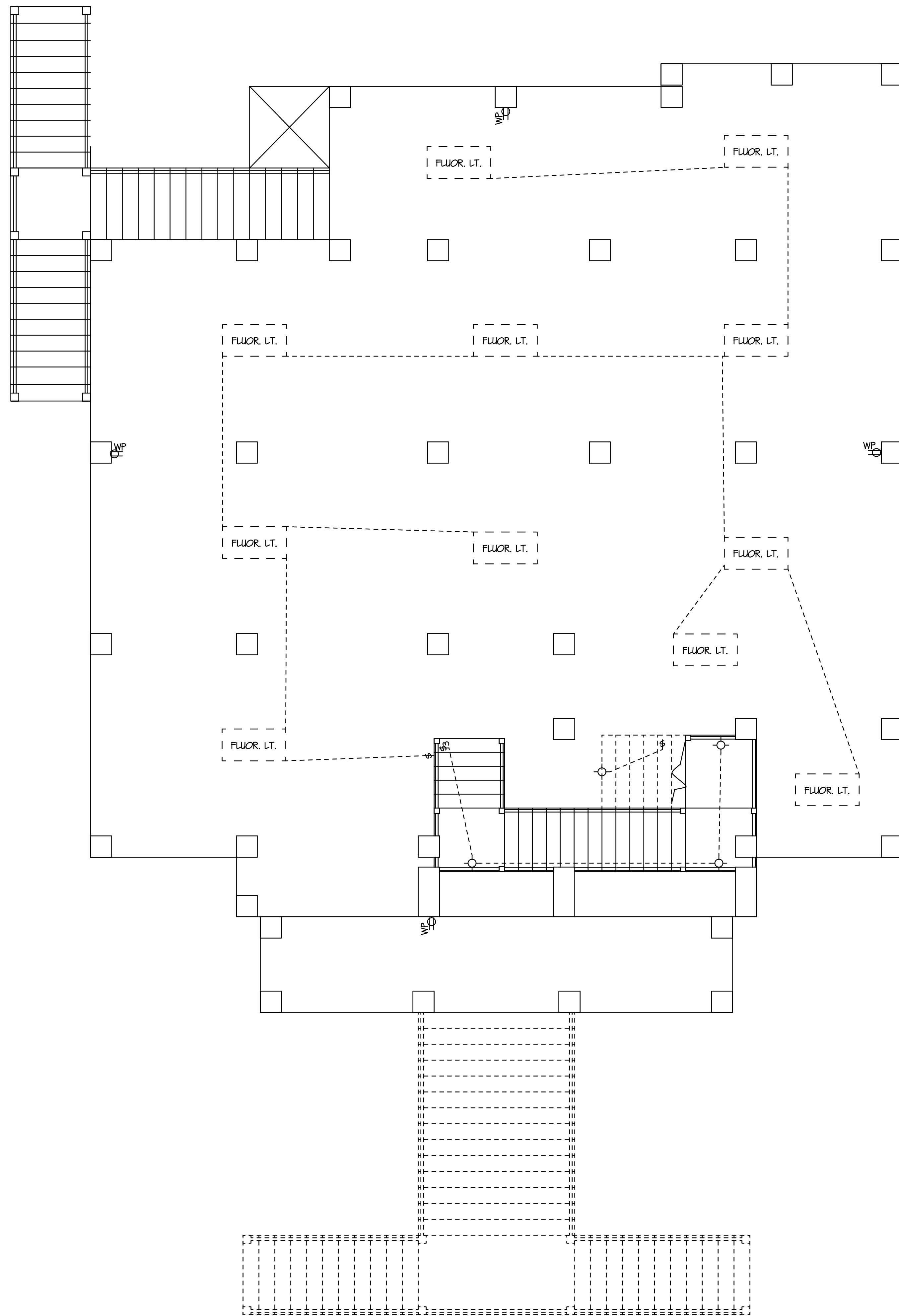
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**GROUND LEVEL
ELECTRICAL PLAN**

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