

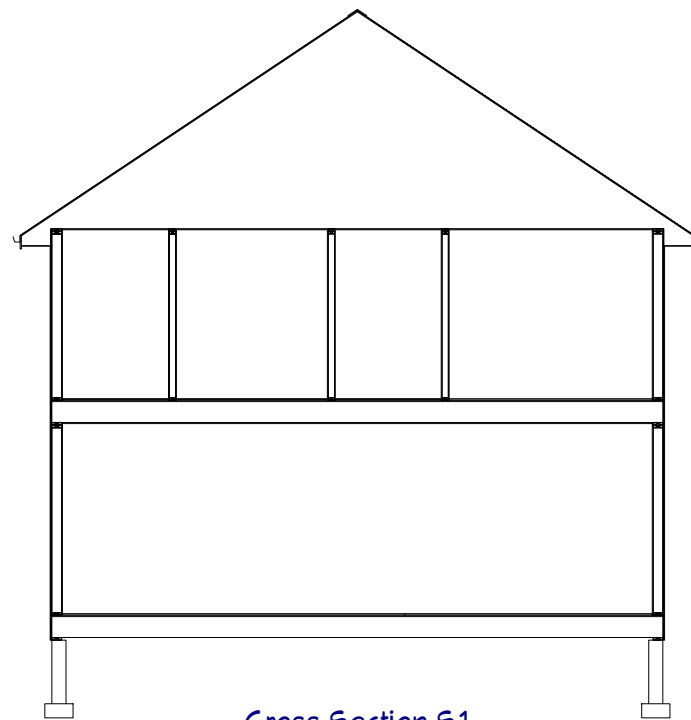
WINDY HILL HOME DESIGNS
PLAN #314
3 BEDROOMS, 2.5 BATHROOMS
1728 SQUARE FEET OF LIVING AREA



EXTERIOR ELEVATION FRONT



EXTERIOR ELEVATION REAR



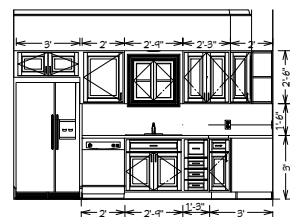
Cross Section S1



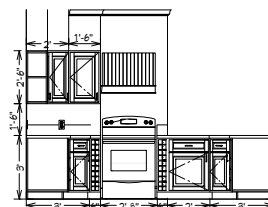
EXTERIOR ELEVATION LEFT



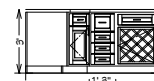
EXTERIOR ELEVATION RIGHT



Elevation K1



Elevation K2



Elevation K3



Elevation K4

HOMEOWNER & CONTRACTOR: TO VERIFY
ALL DIMENSIONS, STRUCTURAL DETAILS, AND
BUILDING CODES, AND GRADE
REQUIREMENTS.

To the best of my knowledge these plans are drawn
to comply with owner's and/or builder's
specifications and any changes made on them after
prints are made will be done at the owner's and / or
builder's expense and responsibility. The contractor
shall verify all dimensions and enclosed drawing.
Windy Hill Home Designs is not liable for errors
once construction has begun. While every effort
has been made in the preparation of this plan to
avoid mistakes, the maker can not guarantee
against human error. The contractor of the job must
check all dimensions and other details prior to
construction and be solely responsible thereafter.

REVISION TABLE	
NUMBER	DATE

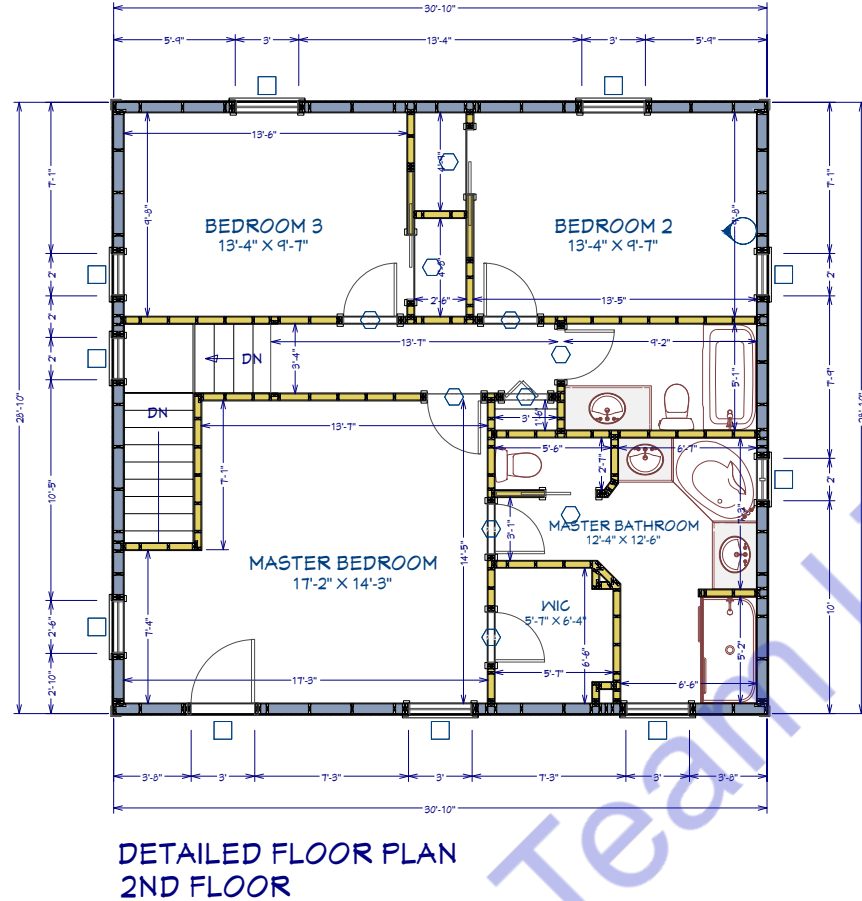
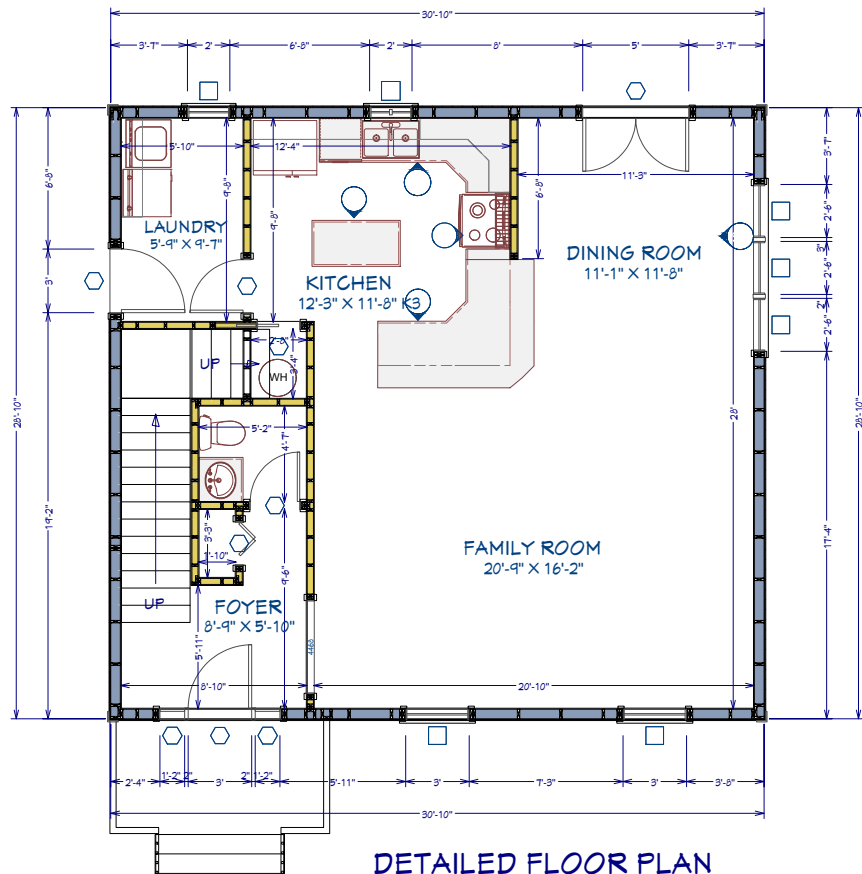
Elevations - Scale: 1/4" = 1'

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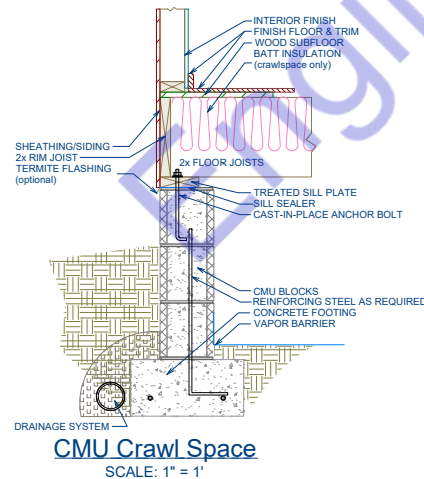
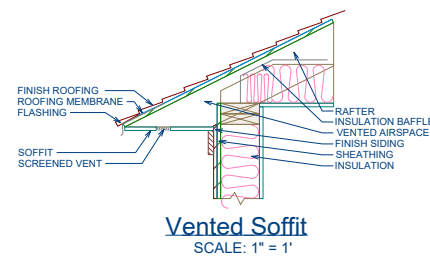
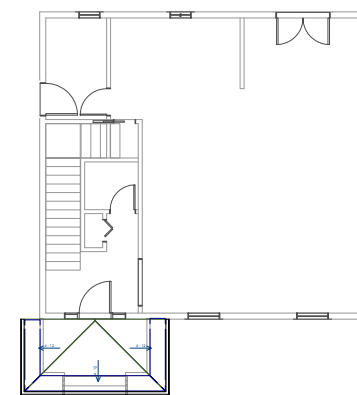
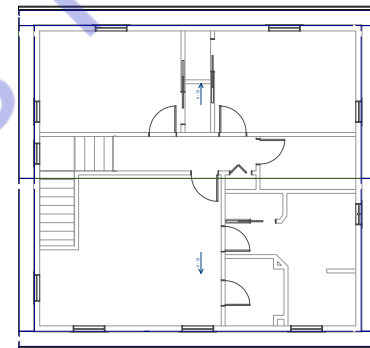
P-1



CABINET SCHEDULE							
NUMBER	LABEL	QTY	FLOOR	WIDTH	DEPTH	HEIGHT	DESCRIPTION
C01	4DB15	2	1	15"	24"	36"	BASE CABINET
C02	5DB6	2	1	6"	24"	36"	BASE CABINET
C03	B24	2	1	24"	24"	36"	BASE CABINET
C04	B24L	2	1	24"	24"	36"	BASE CABINET
C05	DCB36L	2	1	36"	36"	36"	CORNER BASE CABINET
C06	DCW2430L	1	1	24"	24"	30"	CORNER WALL CABINET
C07	SB24L	1	1	24"	24"	36"	BASE CABINET
C08	SB30	1	2	30"	24"	36"	BASE CABINET
C09	SB33	1	1	33"	24"	36"	BASE CABINET
C10	SB36	1	2	36"	24"	36"	BASE CABINET
C11	SB45	1	2	45"	24"	36"	BASE CABINET
C12	W1830L	1	1	18"	12"	30"	WALL CABINET
C13	W2430L	1	1	24"	12"	30"	WALL CABINET
C14	W2730	2	1	27"	12"	30"	WALL CABINET
C15	W2830	1	1	27 13/16"	12"	30"	WALL CABINET
C16	W3615	1	1	36"	12"	15"	WALL CABINET

DOOR SCHEDULE							
NUMBER	LABEL	QTY	FLOOR	SIZE	DESCRIPTION		COMMENTS
D01	1268	2	1	1268 EX	EXT. FIXED-4603 ARLINGTON COURT		
D02	2068	1	1	2068 L	2 DR. BIFOLD-LOUVERED		
D03	2068	1	1	2068 L	POCKET-DOOR F05		
D04	2068	1	2	2068 L	2 DR. BIFOLD-LOUVERED		
D05	2468	1	1	2468 R IN	HINGED-DOOR F05		
D06	2468	1	2	2468 L IN	HINGED-DOOR F05		
D07	2468	1	2	2468 R	POCKET-DOOR F05		
D08	2468	2	2	2468 R IN	HINGED-DOOR F05		
D09	2668	1	1	2668 L IN	HINGED-DOOR F05		
D10	2668	2	2	2668 L IN	HINGED-DOOR F05		
D11	2668	1	2	2668 R IN	HINGED-DOOR F05		
D12	3068	1	1	3068 R EX EXT.	HINGED-4604 ARLINGTON COURT		
D13	3068	1	1	3068 R EX EXT.	HINGED-DOOR E06		
D14	3068	2	2	3068 R	POCKET-DOOR F05		
D15	5068	1	1	5068 L/R EX EXT.	DOUBLE HINGED-DOOR F05		

WINDOW SCHEDULE							
NUMBER	LABEL	QTY	FLOOR	SIZE	DESCRIPTION		COMMENTS
W01	2020DC	1	1	2020DC	DOUBLE CASEMENT-LHL/RHR		
W02	2026DC	1	2	2026DC	DOUBLE CASEMENT-LHL/RHR		
W03	2030	2	3	2030	LOUVERED-CT		
W04	2030DH	1	1	2030DH	DOUBLE HUNG		
W05	2046DH	3	2	2046DH	DOUBLE HUNG		
W06	2646DH	1	2	2646DH	DOUBLE HUNG		
W07	2656DH	3	1	2656DH	DOUBLE HUNG		
W08	3046DH	5	2	3046DH	DOUBLE HUNG		
W09	3056DH	2	1	3056DH	DOUBLE HUNG		



Plans - Scale: 1/4" = 1'

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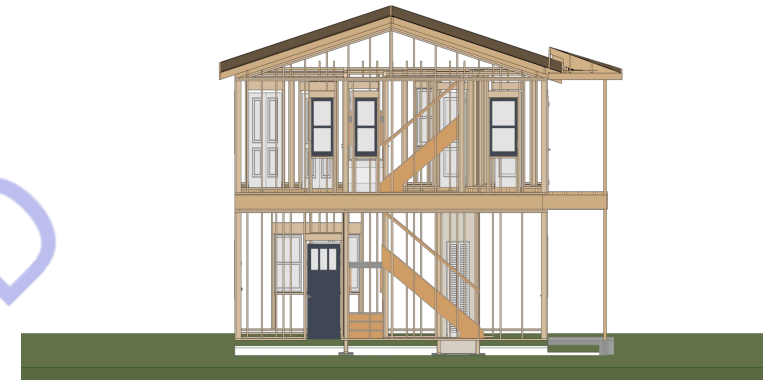
3D FRAMING PLAN



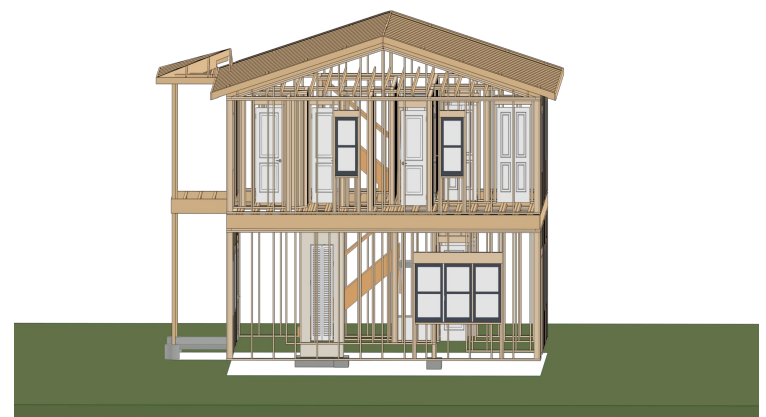
3D FRONT FRAMING PLAN



3D BACK FRAMING PLAN



3D LEFT FRAMING PLAN



3D RIGHT FRAMING PLAN

REVISION TABLE	
NUMBER	DESCRIPTION

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FRAMING LAYOUT PLAN NOTE:

Roof Pitch and Style:

Roof to have a 3:12 pitch, gable style.

Roof rafters: 2x6.

First Floor:

Wall studs: 2x6x10.

Second Floor:

Wall studs: 2x6x8.

Floor joists: 2x10.

Cantilevered section for master bedroom outdoor balcony: 36-48".

Roof Overhang:

Roof to extend 12" on gable ends.

Load Requirements:

Live load for floors: 40 psf.

Live load for roof: 20 psf.

Additional Notes:

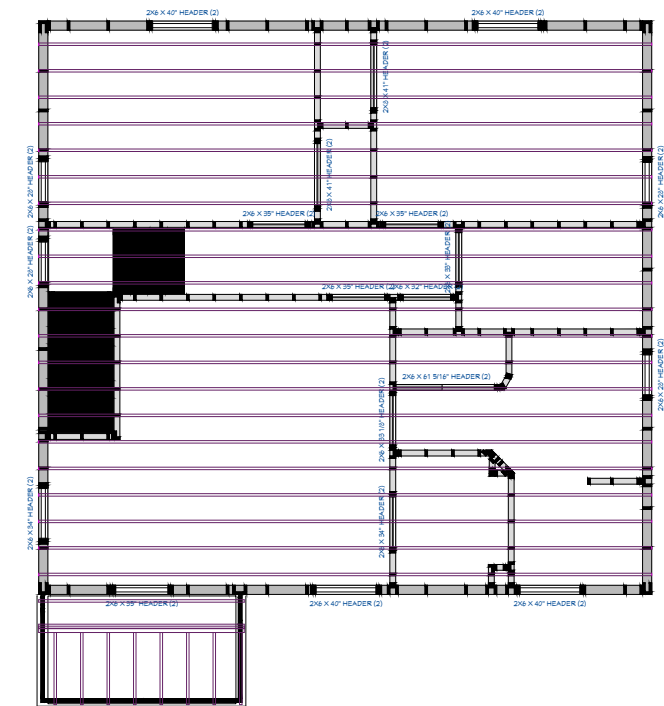
Ensure compliance with local building codes.

Verify all measurements and structural details with a qualified structural engineer before proceeding.

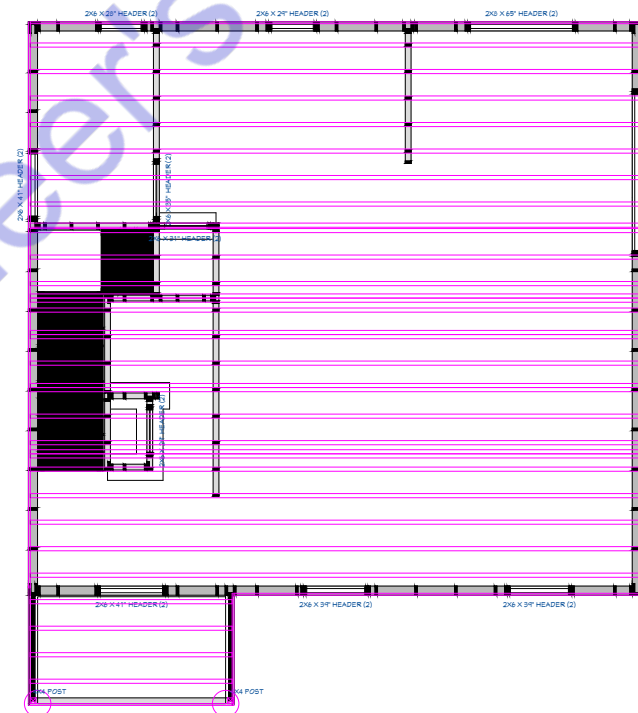
Please incorporate these specifications into the framing layout plan and ensure all elements meet local code requirements and structural integrity standards.



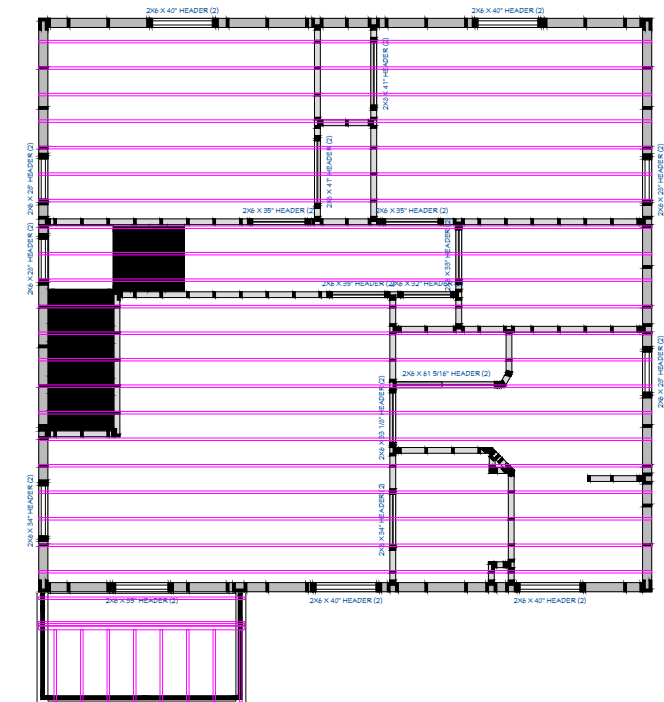
GROUND FLOOR FRAMING PLAN



FIRST FLOOR FRAMING PLAN



GROUND FLOOR CEILING FRAMING PLAN



FIRST FLOOR CEILING FRAMING PLAN

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ROOF FRAMING / TRUSS NOTES:

TRUSS DRAWING IS FOR ILLUSTRATION ONLY. ALL TRUSSES SHALL BE INSTALLED & BRACED TO MANUFACTURERS DRAWINGS & SPECIFICATIONS.

ALL TRUSSES WILL NOT BE FIELD ALTERED WITHOUT PRIOR BUILDING DEPT. APPROVAL OF ENGINEERING CALCULATIONS.

ALL TRUSSES SHALL HAVE DESIGN DETAILS & DRAWINGS ON SITE FOR FRAMING INSPECTION.

ALL CONNECTIONS OF RAFTERS, JACK OR HIP TRUSSES TO MAIN GIRDER TO BE PROVIDED BY TRUSS MANUFACTURER.

ALL TRUSSES MAX 96" O.C.

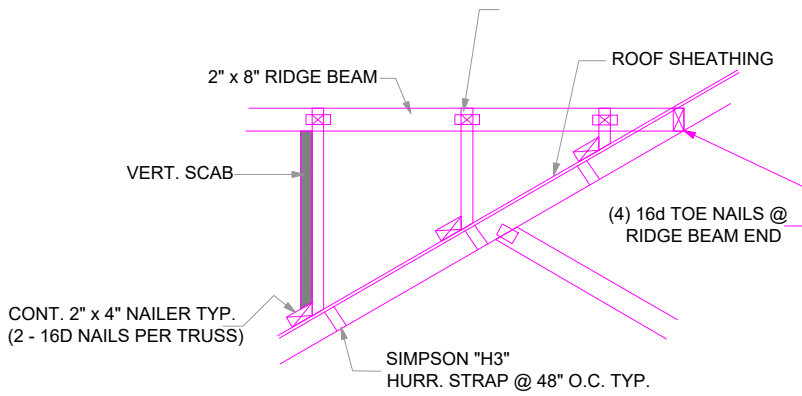
POSTS TO BE NOTCHED TO SUPPORT TRUSSES 5.5" X 1.5"

ALL ROOF STRUCTURAL PURLINS 24" O.C.

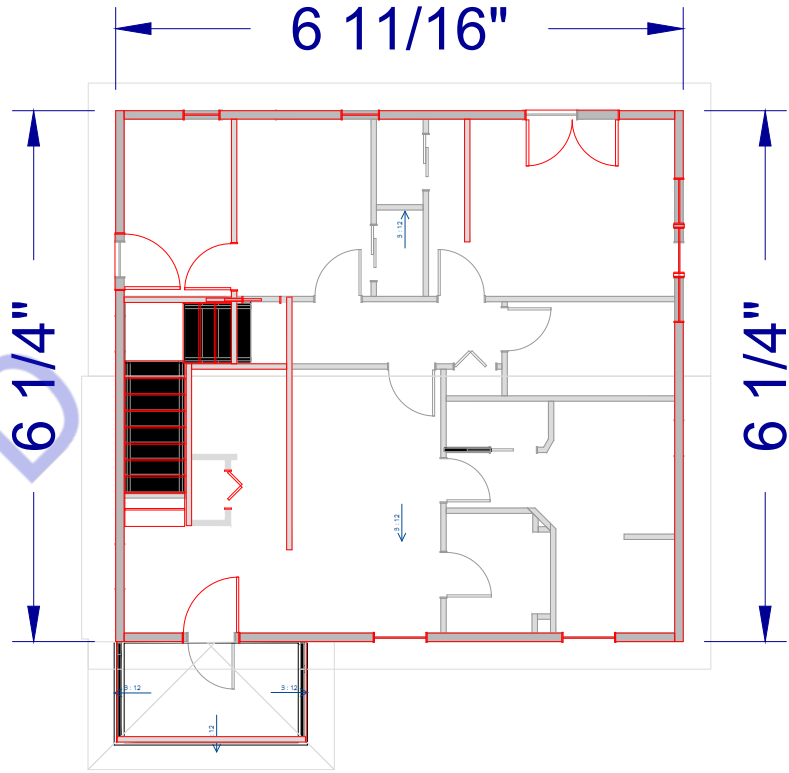
MIN. SNOW LOAD 40 LBS PER SQUARE FOOT.

MIN. WIND LOAD 90MPH

LSTA18 STRAP - PLACE AT INSIDE OF FASCIA BOARD



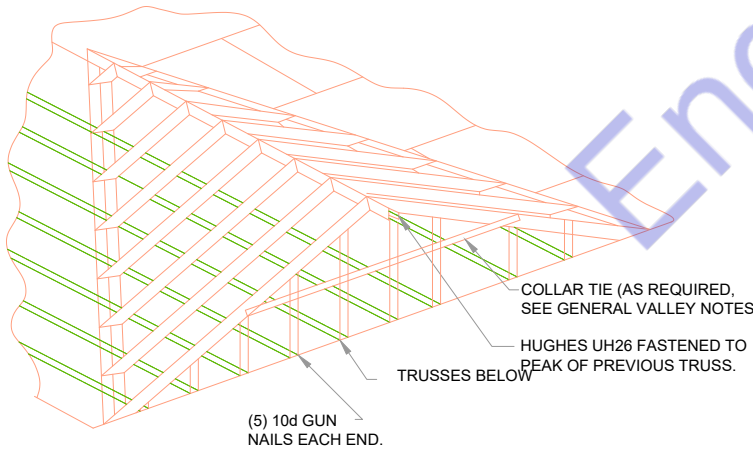
ROOF SECTION
NOT-TO-SCALE



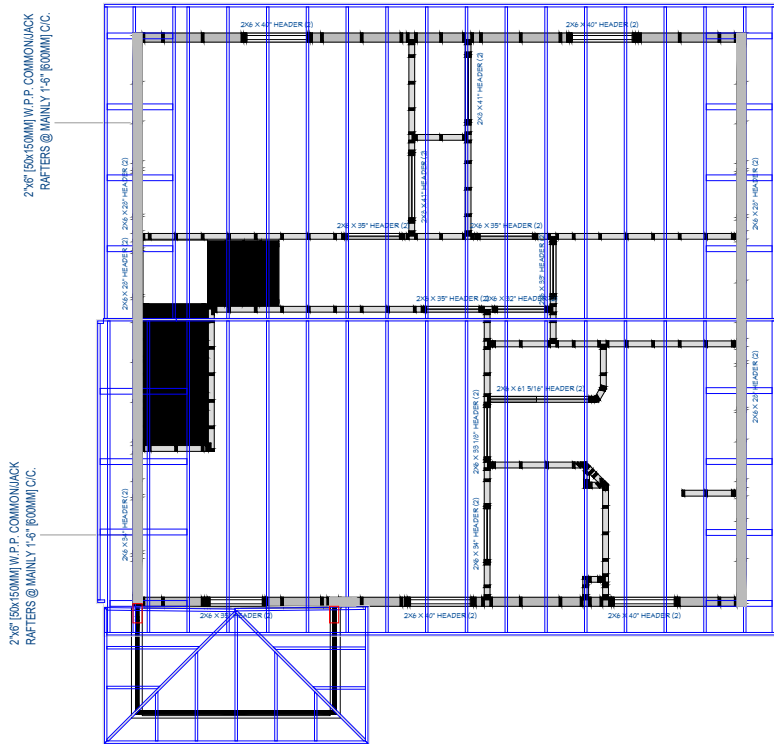
ROOF PLAN

GENERAL RIDGE NOTES:

- (1) RAFTERS TO BE 2" X 4" SPACED 18" O.C. UP TO 8', USE 2" X 6" UP TO 12' LENGTH.
- (2) RAFTER LENGTHS (FROM RIDGE TO CLEAT) OVER 12'-0" TO HAVE (2" X 4) COLLAR, OR KICKER, AT 1/2 RAFTER SPAN (UP TO 24'-0" MAX RAFTER LENGTH).
- (3) RIDGE BOARD SHALL BE 2" X 6" MIN. FOR 2X4 RAFTERS, & 2X8 MIN. FOR 2X6 RAFTERS.
- (4) ATTACH RAFTERS 4' OR LONGER TO RIDGE BOARD AND CLEAT USING (1) HUGHES HCDP CONNECTOR, NAILED 8-8d, ALL OTHERS TOE-NAIL WITH 10d.
- (5) ALL CONVENTIONAL FRAMING LUMBER SHALL BE SPF STUD GRADE OR BETTER.



FRAMING DETAIL



ROOF FRAMING PLAN

REVISION TABLE	
NUMBER	DATE

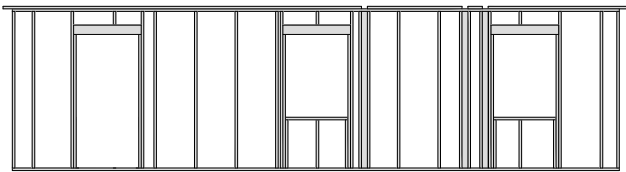
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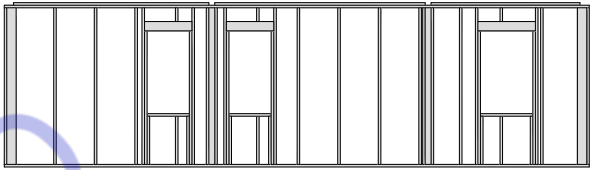
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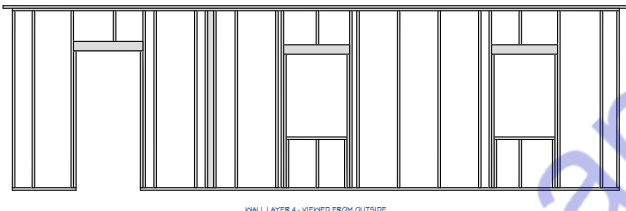
P-5



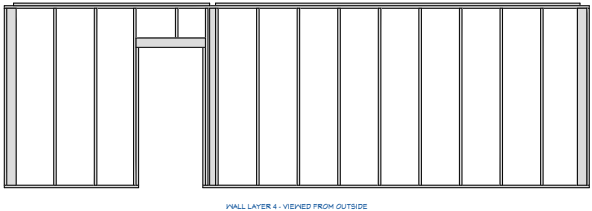
FIRST FLOOR FRONT WALL FRAMING PLAN



FIRST FLOOR LEFT WALL FRAMING PLAN



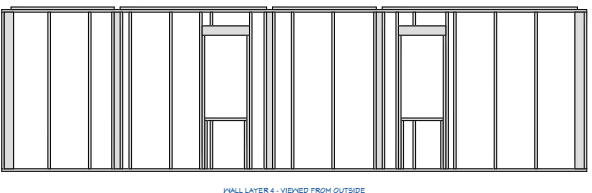
GROUND FLOOR FRONT WALL FRAMING PLAN



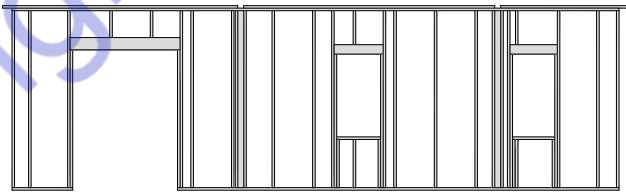
GROUND FLOOR LEFT WALL FRAMING PLAN



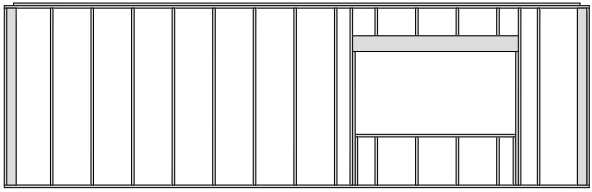
FIRST FLOOR BACK WALL FRAMING PLAN



FIRST FLOOR RIGHT WALL FRAMING PLAN



GROUND FLOOR BACK WALL FRAMING PLAN



GROUND FLOOR RIGHT WALL FRAMING PLAN

REVISION TABLE	
NUMBER	DATE

Plans - Scale: 1/4" = 1'

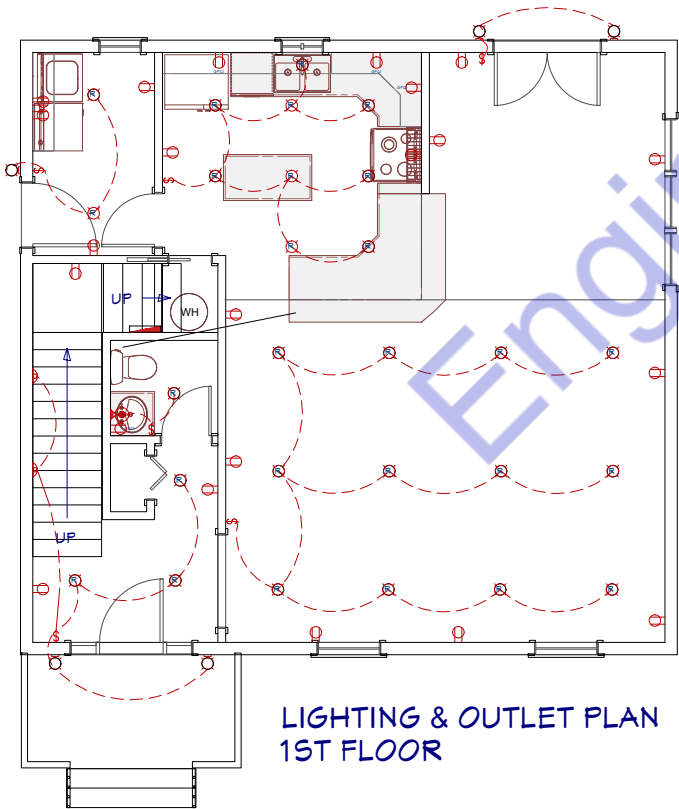
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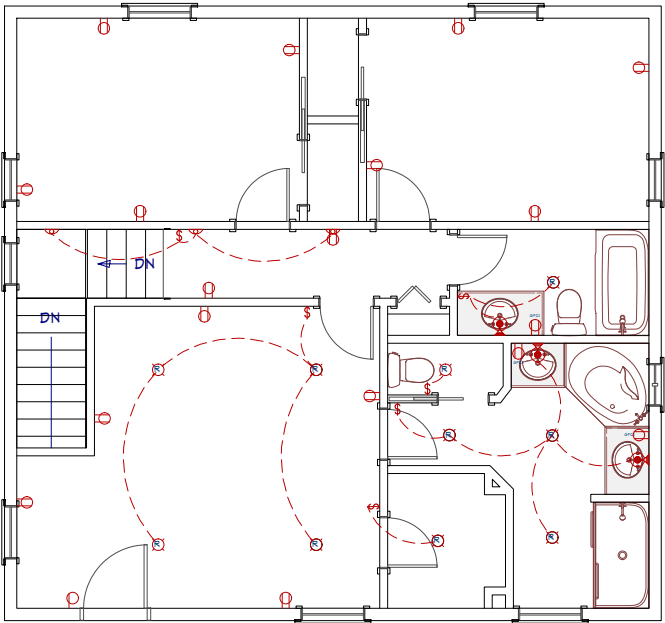
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ELECTRICAL LEGEND	
	20W CEILING MOUNT LED LIGHT
	10W WALL MOUNT LED LIGHT
	10W WALL MOUNTED LED LIGHT
	ONE WAY SWITCH 110V
	TWO WAY SWITCH 110V
	GFI WATER PROOF OUTLET 110V/220V
	GFCI OUTLET 110V/220V
	E – DISTRIBUTION PANEL



LIGHTING & OUTLET PLAN
1ST FLOOR



LIGHTING & OUTLET PLAN
2ND FLOOR

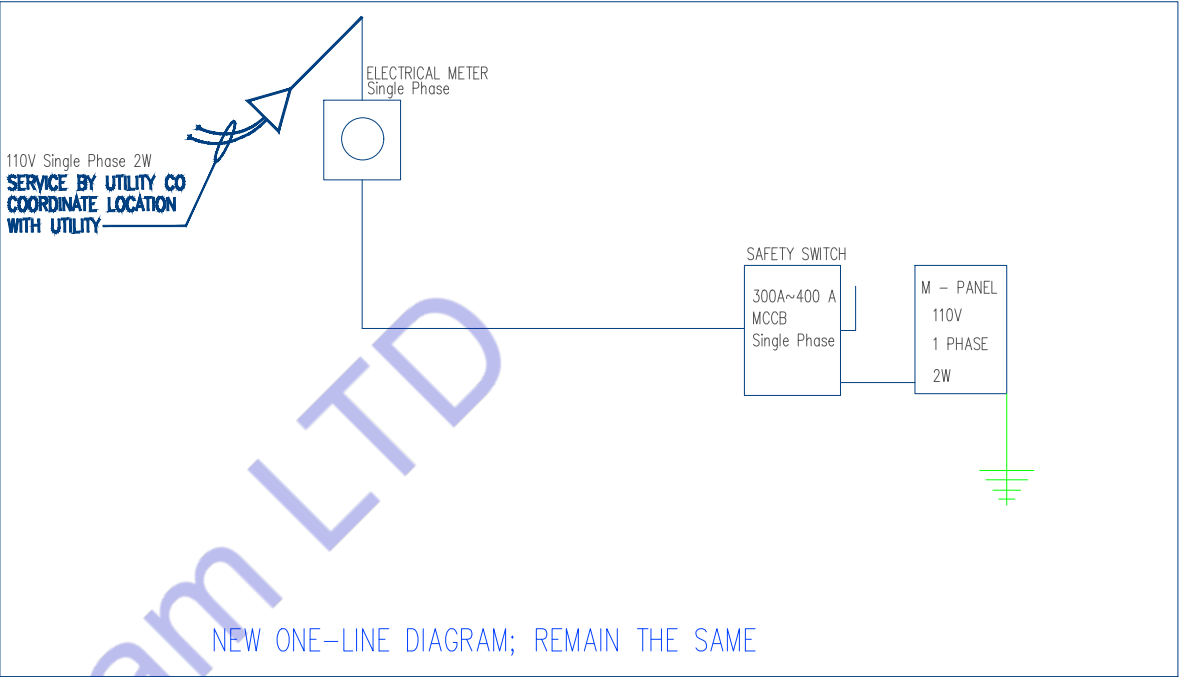
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DATE:
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ELECTRICAL PANEL M															
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE A	BKR TRIP	WIRE SIZE	TYPE	CKT #	LOAD SERVED				
KITCHEN ROOM	1		25	#12	1640	390	15	#14		2	MASTER BEDROOM				
DINING ROOM	3		25	#12	1540	200	15	#14		4	BEDROOM-2				
FAMILY ROOM	5		25	#12	1740	200	15	#14		6	BEDROOM 3				
FOYER & BATHROOM-1	7		20	#14	210	300	15	#14		8	MASTER BATH, BATHROOM-2, OTHER				
LANUDRY	9		25	#12	2040	3517	30	#10		10	HVAC BEDROOM 2				
HVAC FAMILY & LIVING	11		100	#3	10551	3517	30	#10		12	HVAC BEDROOM 3				
HVAC MASTER BEDROOM	13		60	#3	7034	3500	30	#10		14	WATER HEATER				
SPARE	15		15	#14	0	0	0	#14		15	SPARE				
TOTAL VA PHASE A					24755	11624					36379				
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)						120	AMPS					303			
TOTAL CONNECTED LOAD (AMPS) @ 125%						379									
MAIN TYPE AND AMPERE RATING						400 AMP MCCB									
PANEL FEEDER SIZE – SEE RISER DIAGRAM															



SINGLE LINE DIAGRAM

Material	
Name	Watt
110V ELECTRICAL DUPLEX RECEPTACLE WATERPROOF/110V DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	20W
CEILING MOUNT ROUND LED LIGHT	20W
WALL MOUNT LED LIGHT	10W
HOOD EXHAUST	100W

120/240 VOLT SINGLE PHASE 2 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	880	125%	1100	
WATER HEATERS	3500	100%	3500	
LUNDRY & KITCHEN EQUIPMENT	3500	65%	2275	
FAMILY & LIVING EQUIPMENT	2000	65%	1300	
HVAC LOADS	24619	100%	24619	
SUB-TOTAL			32794	
LARGEST MOTOR	0	125%	0	
TOTAL @ 120/240 V	34499		32794	273~300

PANEL SCHEDULE & SERVICE CALCULATION

REVISION TABLE	
NUMBER	DATE

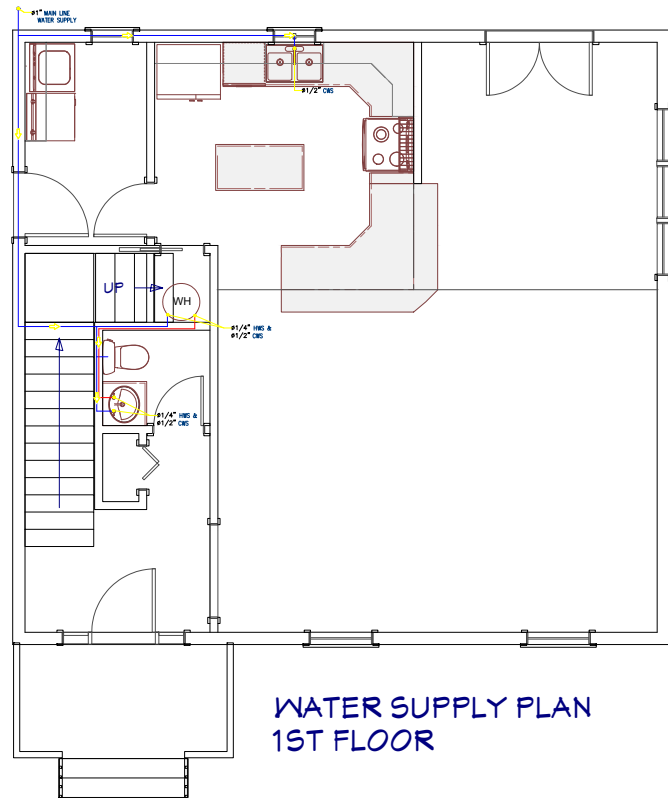
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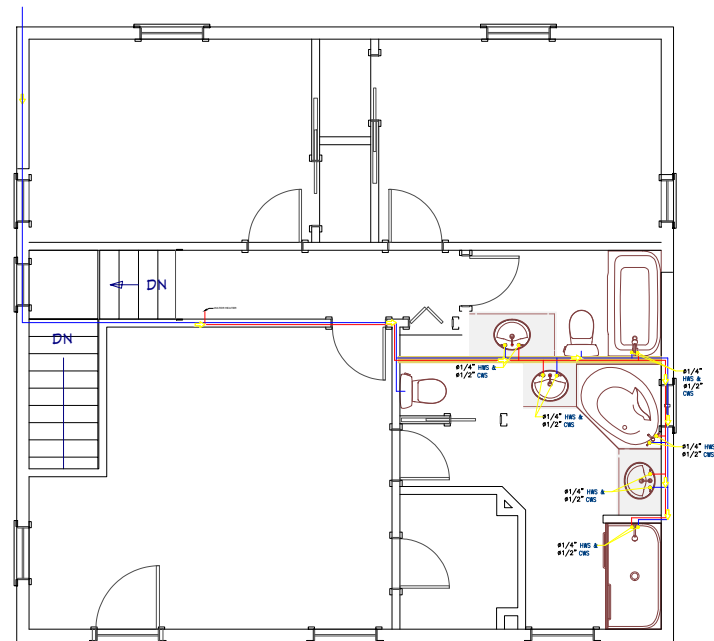
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WATER SUPPLY PLAN
1ST FLOOR



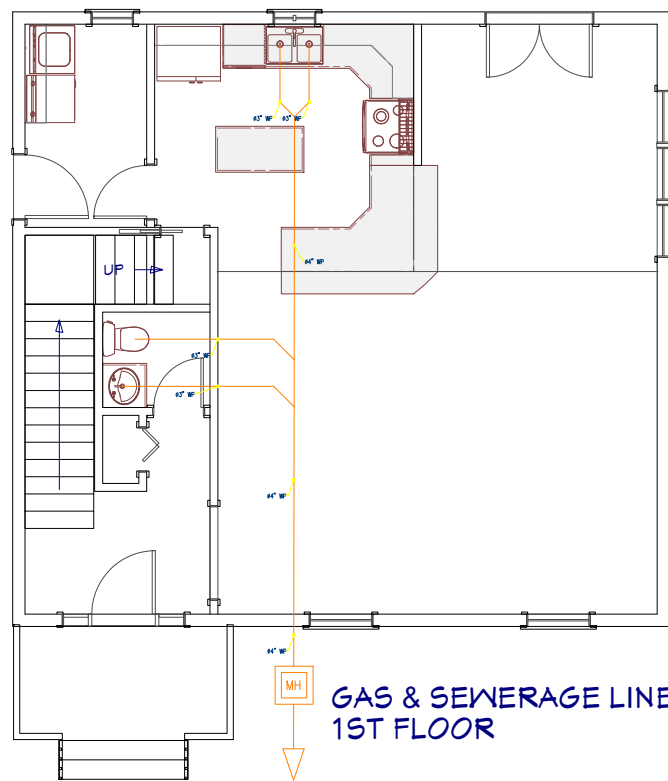
WATER SUPPLY PLAN
2ND FLOOR

PLUMBING LEGEND

- COLD WATER SUPPLY (COPPER PIPE, TYPE 'L')
- HOT WATER SUPPLY (COPPER PIPE, TYPE 'L')
- NATURAL GAS SUPPLY (IPS
YELLOW POLY GAS PIPE)

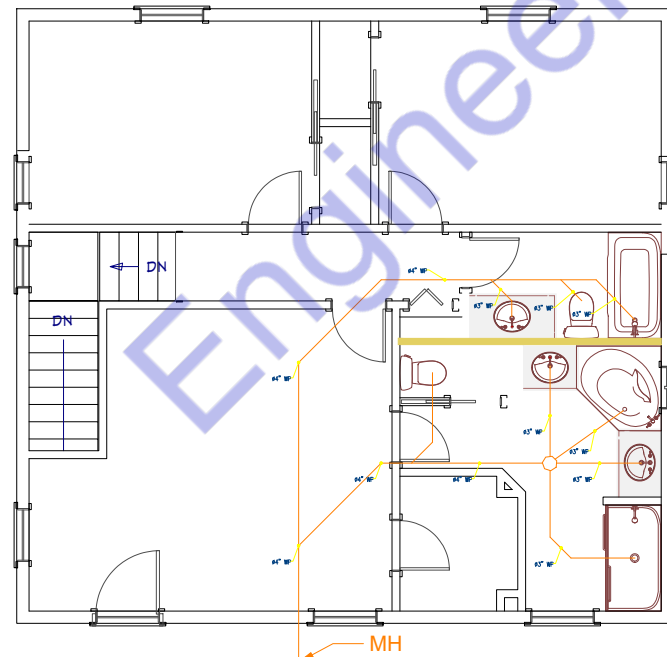
SEWERAGE LEGEND

- WASTE WATER/ SEWER LINE



CONNECTED TO NEAREST
MAIN CITY SEWERAGE LINE

GAS & SEWERAGE LINE PLAN
1ST FLOOR



GAS & SEWERAGE LINE PLAN
2ND FLOOR

REVISION TABLE	
NUMBER	DATE

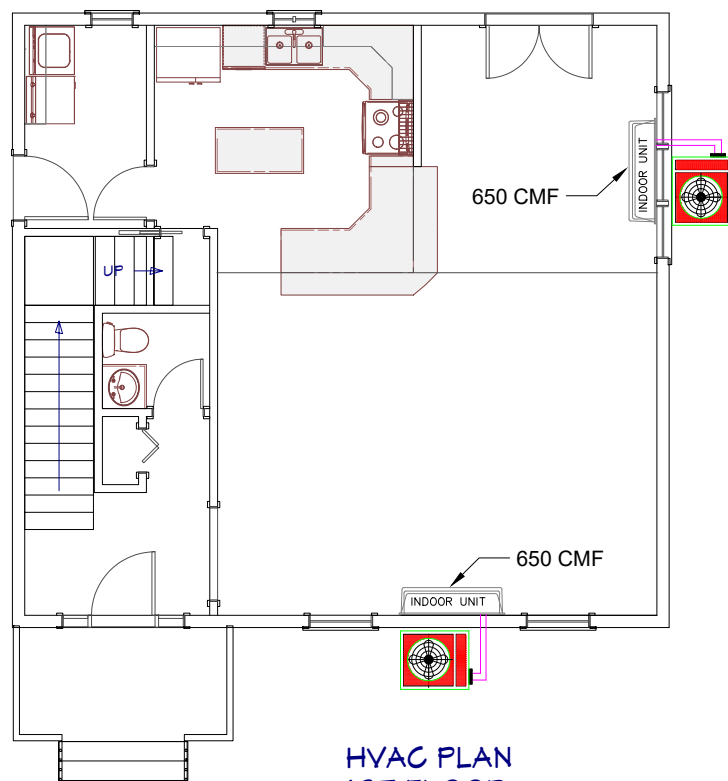
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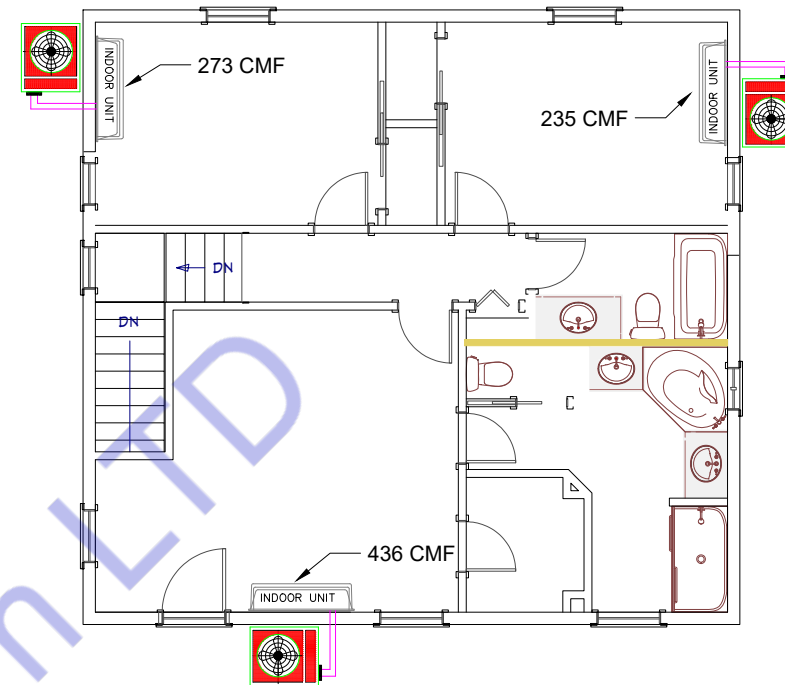
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HVAC PLAN
1ST FLOOR



HVAC PLAN
2ND FLOOR

HVAC LEGEND

INDOOR UNIT



OUTDOOR UNIT

INDOOR UNIT

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Designed By Engr. Al Amin (MEP Engineer | Director - Engineer's Team LTD)

 support@engrteam.com

 <https://engrteam.com>

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- Specialized services

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