

Jay Khokhariya

FREELANCE WORK

PORTFOLIO

ARCHITECTURE AND BIM

01) KIRTI'S PROJECT DETAILS

Client: Kirti Chakrani

Profession: Real Estate Professional

Residence: 5-bedroom residence located in Stittsville, Ottawa.

Objective: This project will serve as the foundation for Kirti to design a custom home that blends modern design with functional living spaces, including an existing basement renovation. Using tools like Revit, the focus is on a detailed, efficient approach to create a space that aligns with Kirti's vision. It will also act as a reference for future projects, helping refine his design process for future custom homes by applying lessons learned to improve quality and functionality.

The custom home will serve as a model for sustainable living, showcasing Kirti's commitment to reducing environmental impact and energy cost

Scope of Work

1. In-depth Property Survey:	
O Comprehensive measurement and assessment of the existing he	ome.
O Evaluation of structural integrity, layout, and functional zones.	
· ·	ome

Architectural Documentation

O Development of precise architectural plans, including floor layouts, elevations, and sections
○ Identification of building materials and insulation performance
O Detailed documentation of windows, doors.

3. 3D Visualization and Modelling:

Oreation of a highly detailed 3D model using Revit to capture the home's existing conditions.

4. Photographic Documentation:

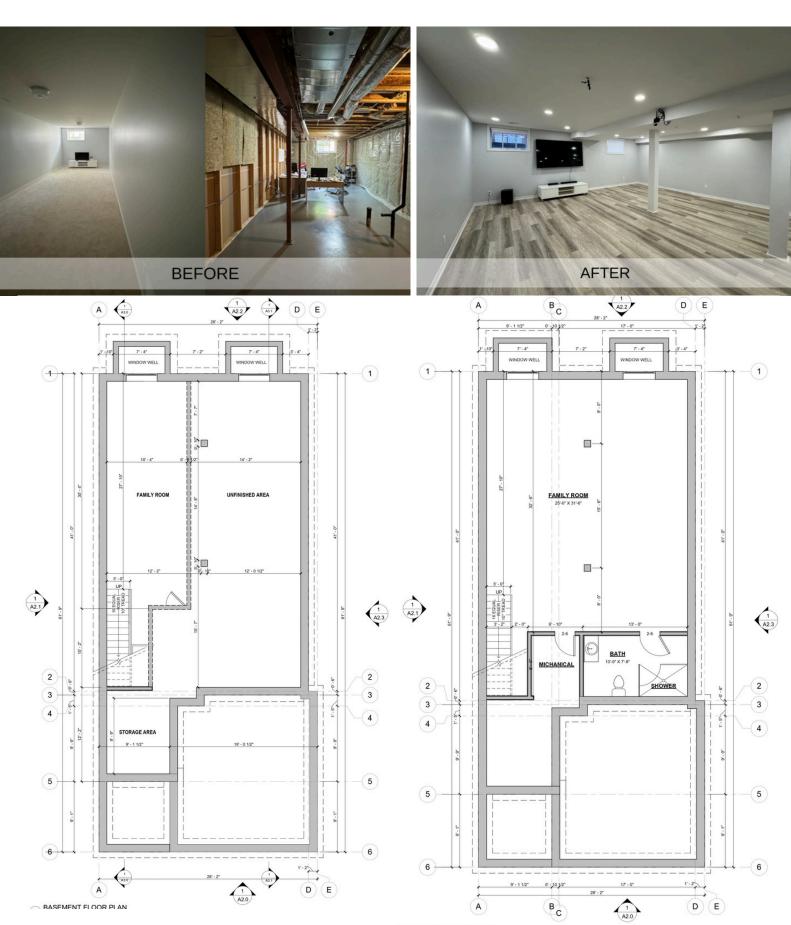
 Professional photography capturing th 	e exterior and	interior of the	residence to	support
visualization and documentation				

Deliverables

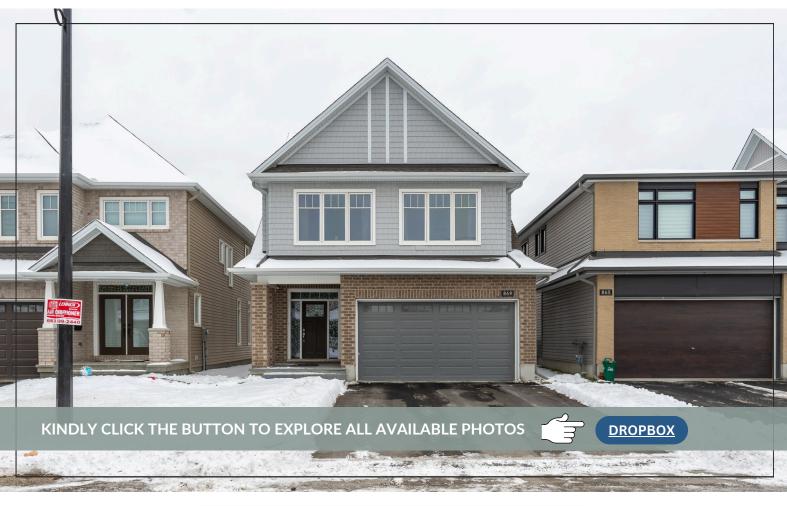
- 1. Planning for existing basement renovation:
 - 1.1 Detailed plan for basement renovation plan.
- 2. Documentation of the Current Home:
 - 2.1 High-quality photographs of the residence for reference and planning purposes.
 - 2.2 A full set of architectural drawings, including plans, sections, elevations, and detailed annotations.
 - 2.3 A detailed 3D Revit model accurately reflecting the structure and systems of the home.

02) BASEMENT DOCUMENTATION AND PLANNNING

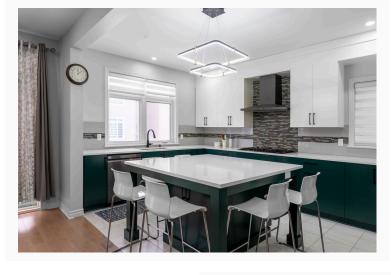
Client's vision: The owner plans to transform the basement into a functional and stylish space, featuring a state-of-the-art home theater, a dedicated gym area with ergonomic flooring and proper lighting, and a modern bathroom seamlessly integrated with the existing plumbing. The design will complement the rest of the home with neutral tones and elegant finishes, while incorporating smart technology for enhanced convenience and flexibility, ensuring the space meets both current and future needs.



03) HOUSE DOCUMENTATION (PHOTOGRAPHY)

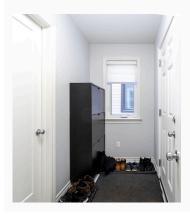


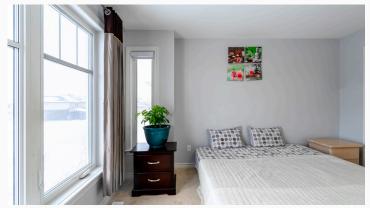






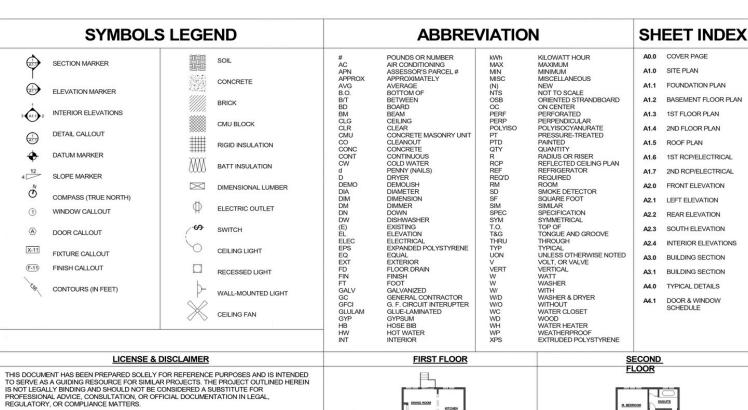






04) HOME TECHNICAL DOCUMENTATION





RESIDENCE OF KIRTIBHAI

NOTES:	
THE MEASUREMENTS, DIMENSIONS, AND OTHER SPECIFICATIONS SHOWN IN THIS DOCUMENT ARE GUIDELINES FOR CONSTRUCTION USE ONLY, ALL DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF DESIGNER PRIOR TO CONSTRUCTION.	

DESIGNER ASSUMES NO RESPONSIBILITY FOR ANY STRUCTURAL FAILURE RESULTING FROM ERRORS, NEGLIGENCE, OR DESIGN DISCREPANCIES DUE TO BULDING CODE VARIATIONS AND SITE CONDITIONS, A HOMEOWNER AND/OR A CONTRACTOR IS RESPONFOR COMPLIANCE WITH ALL LOCAL BULDING CODES.

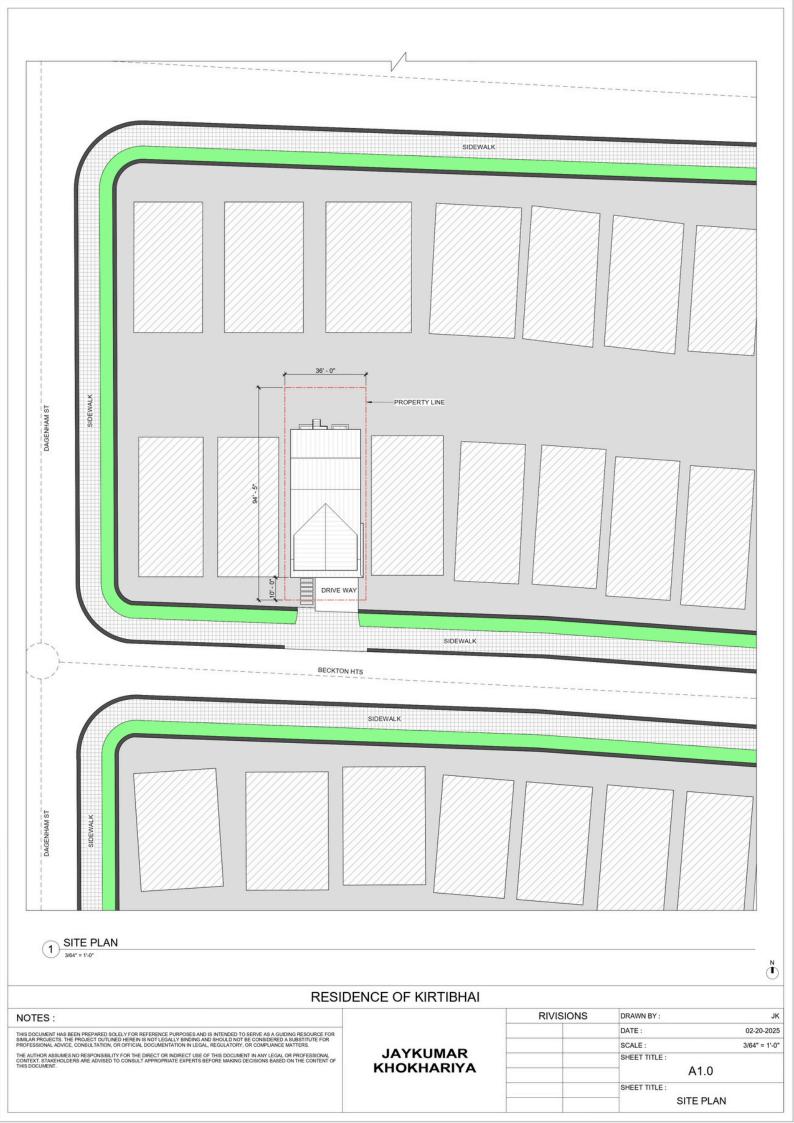
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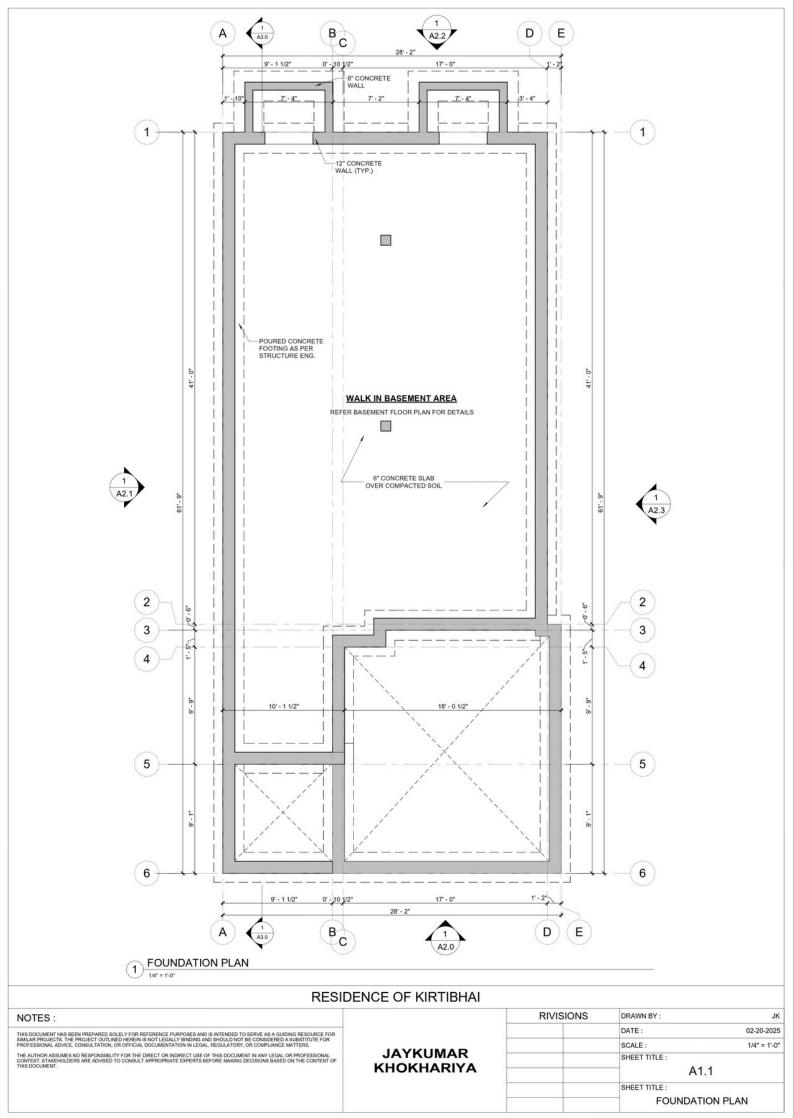
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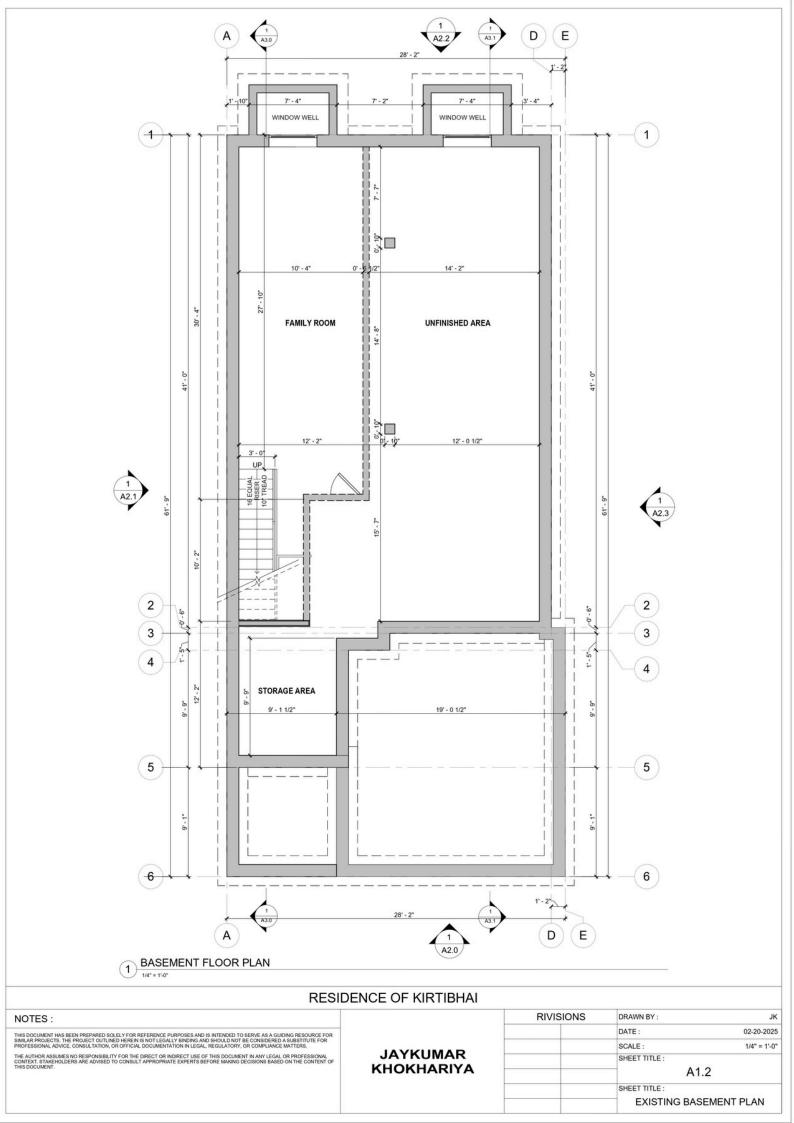
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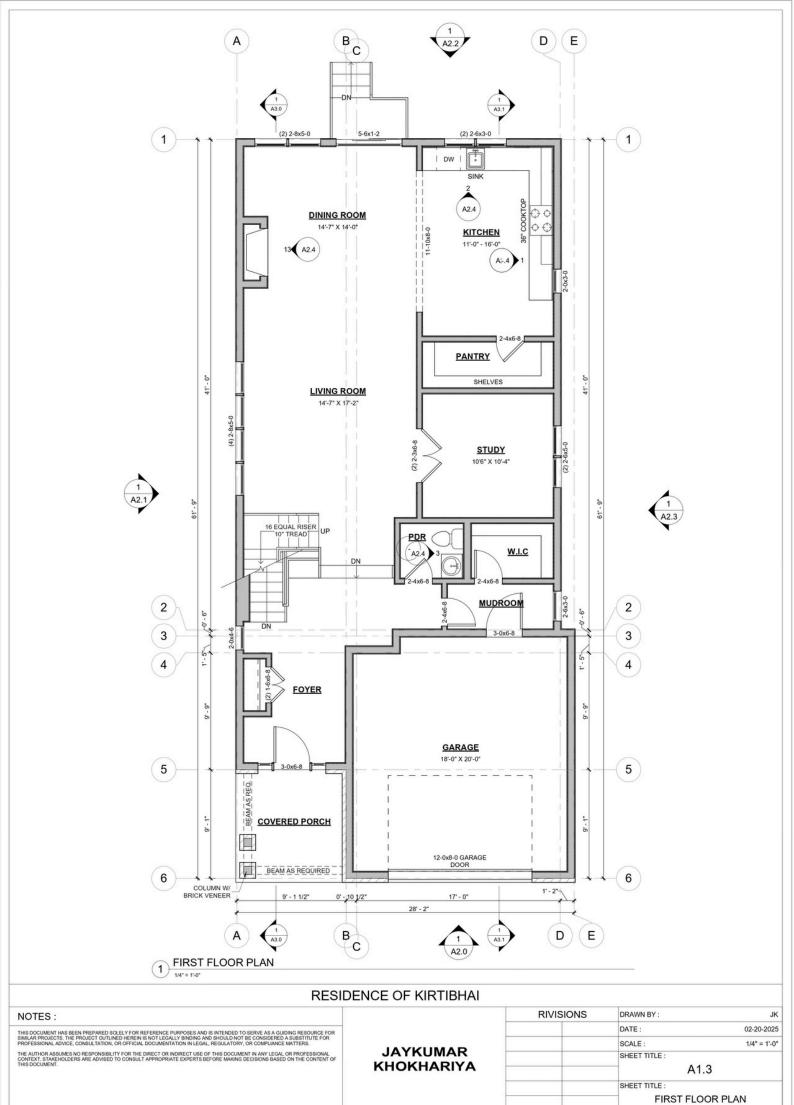
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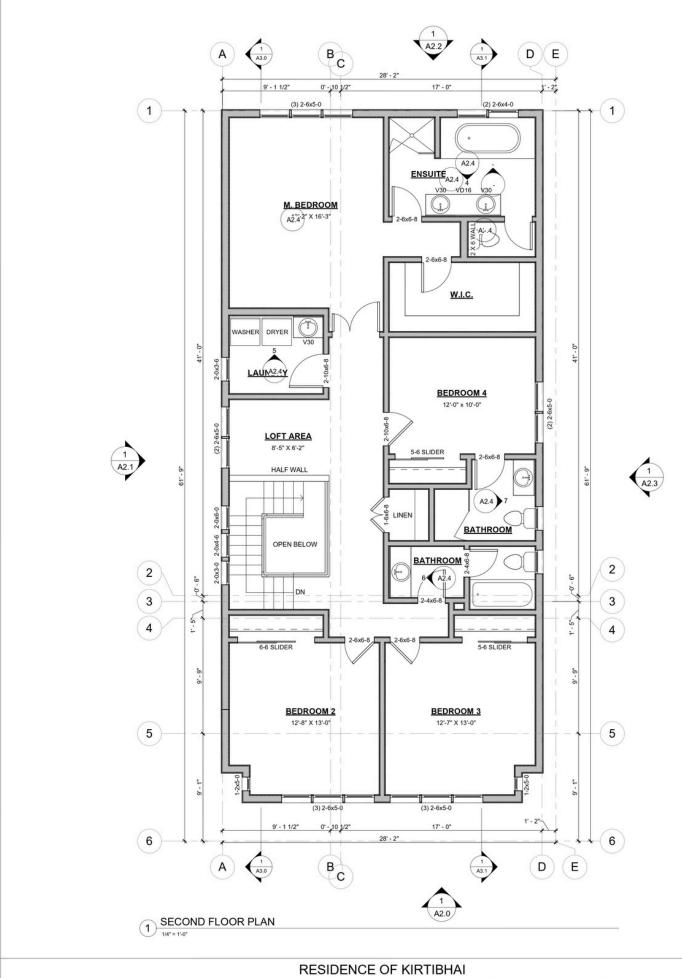
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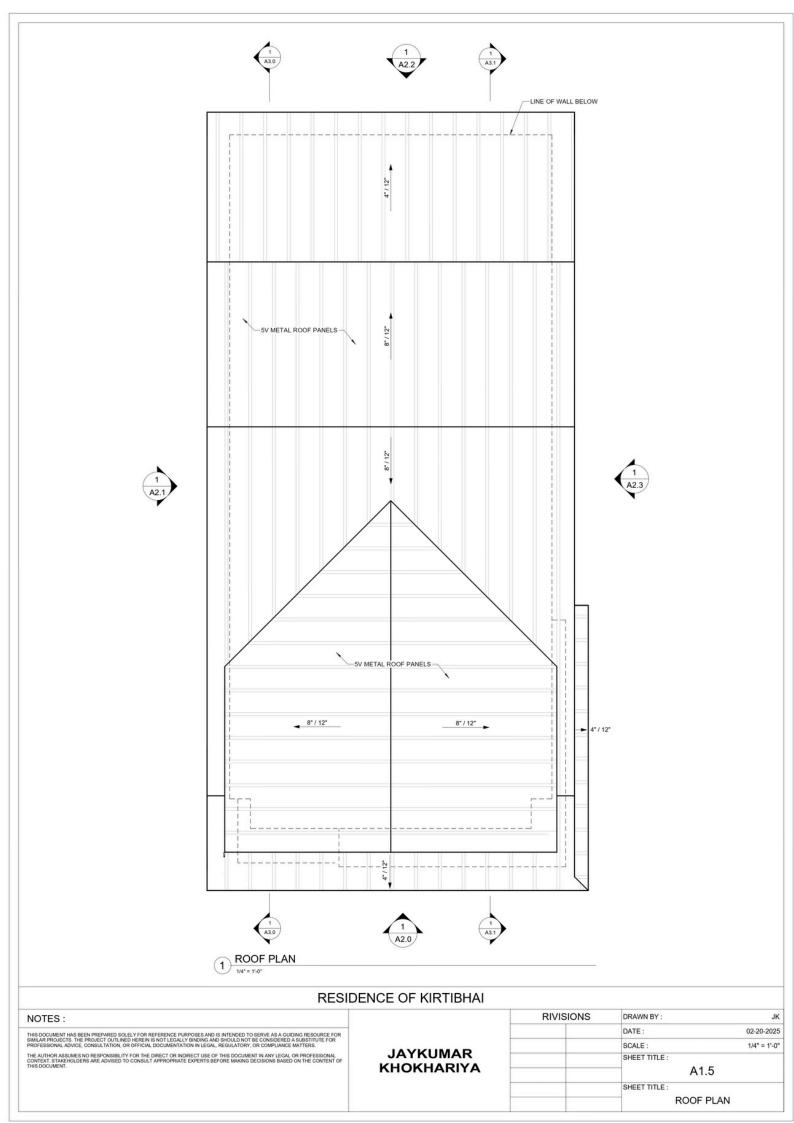


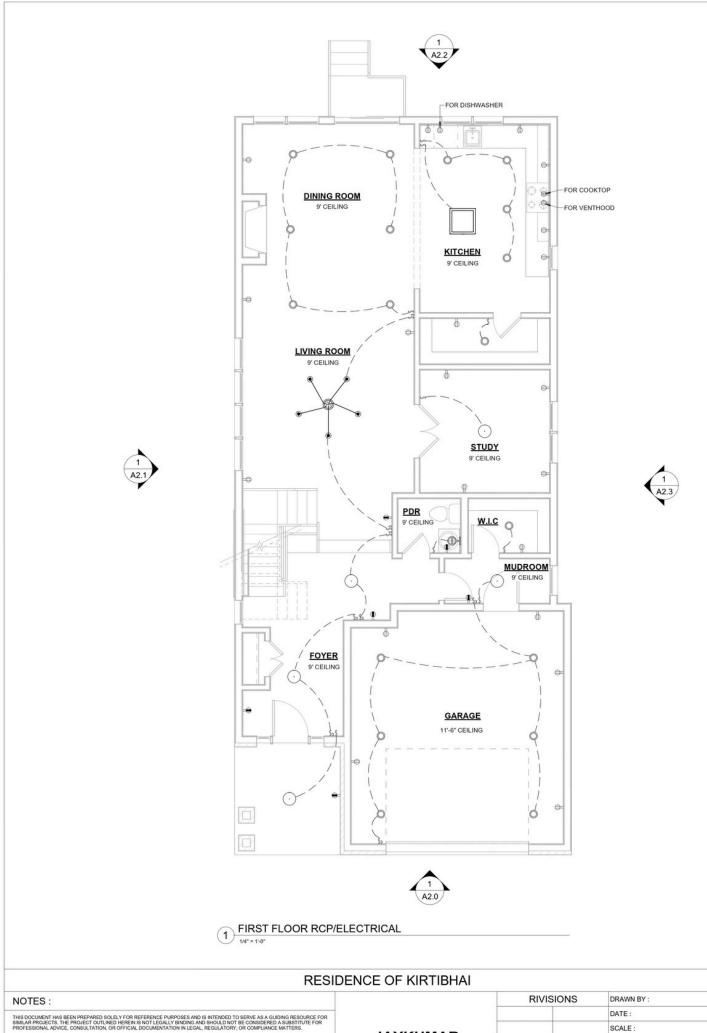






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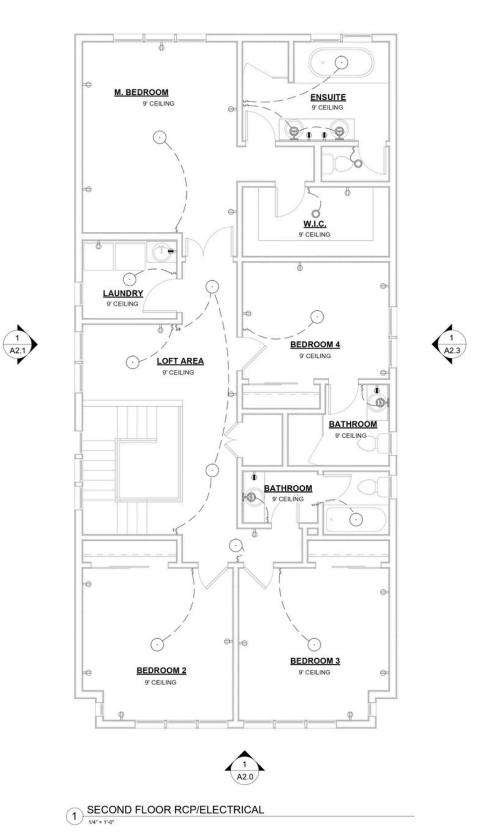
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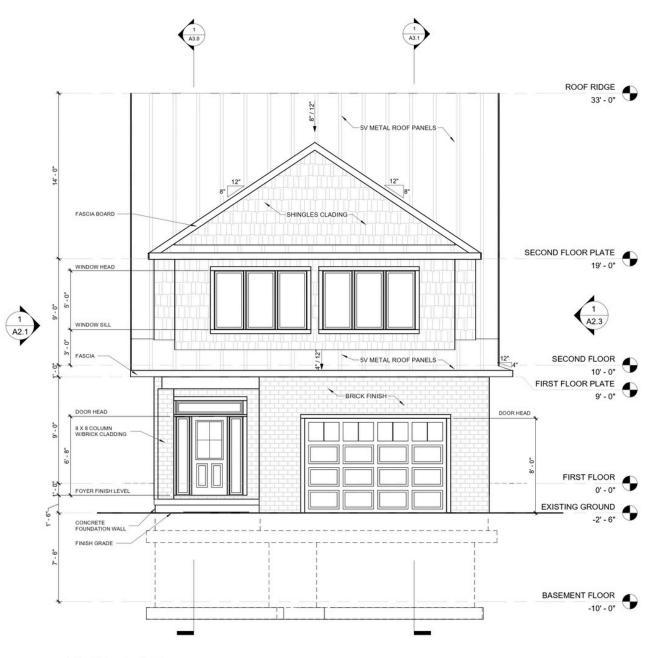


RESIDENCE OF KIRTIBHAI

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1) FRONT ELEVATION

RESIDENCE OF KIRTIBHAI

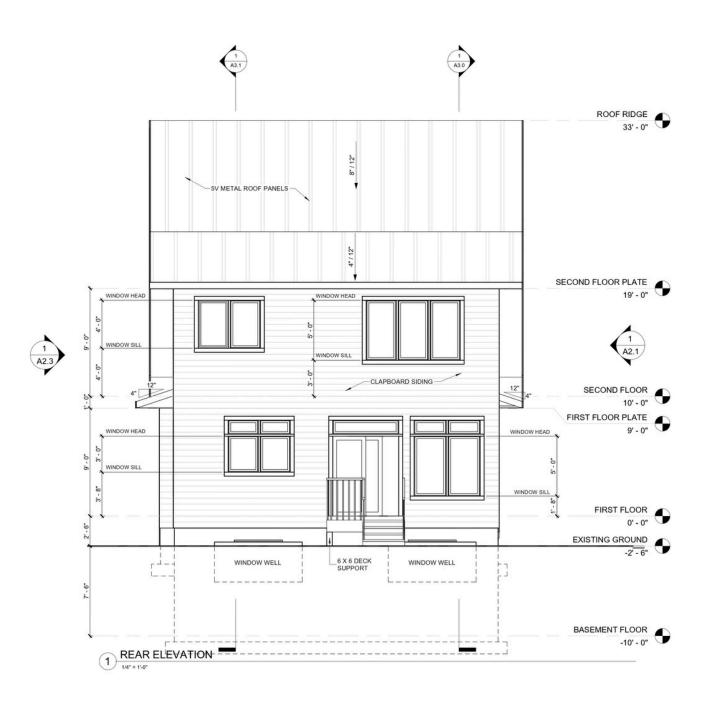
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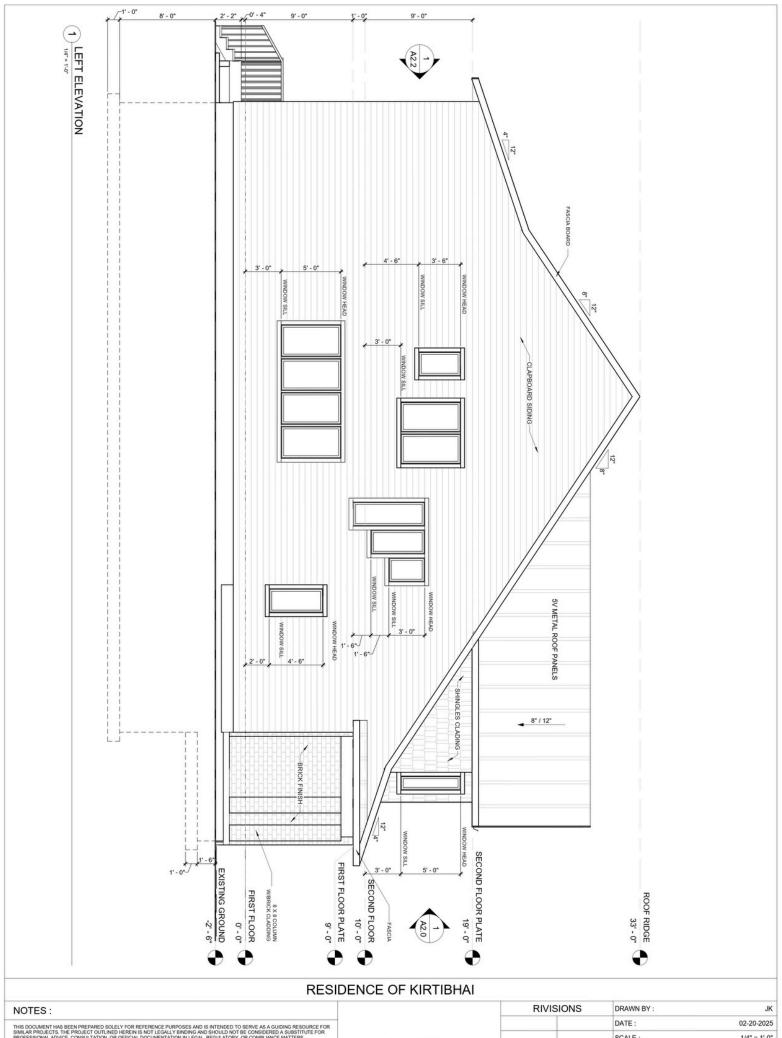
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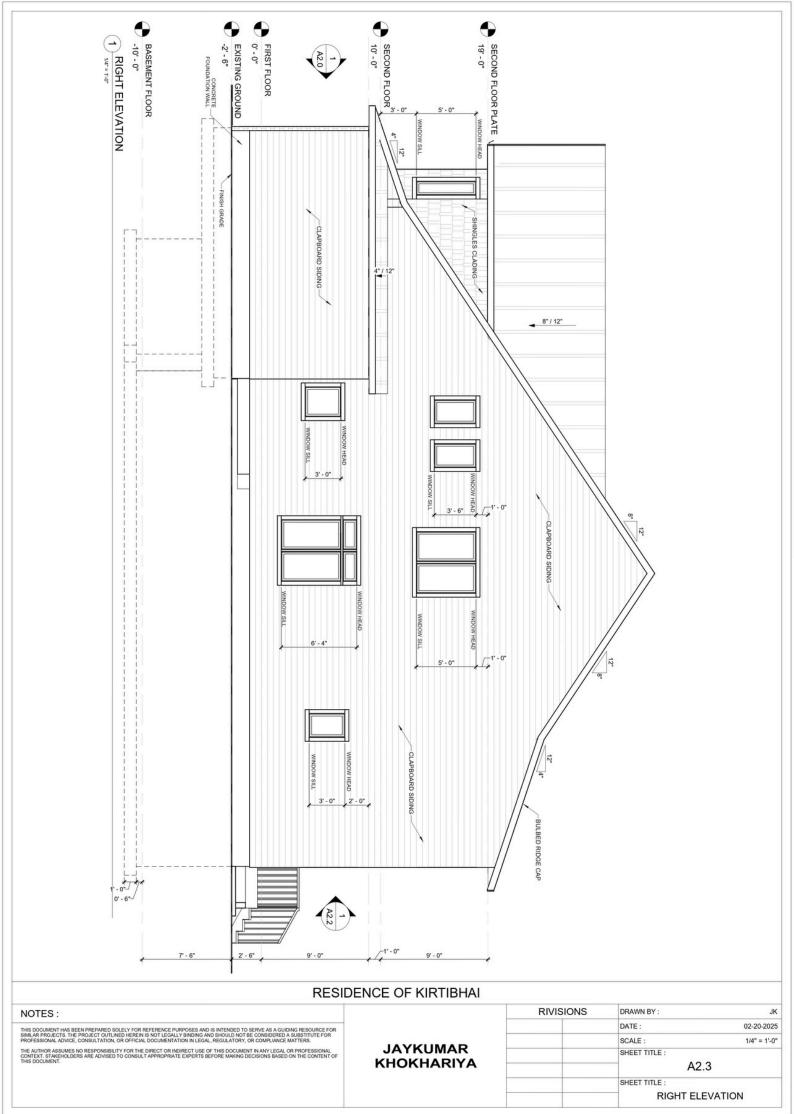


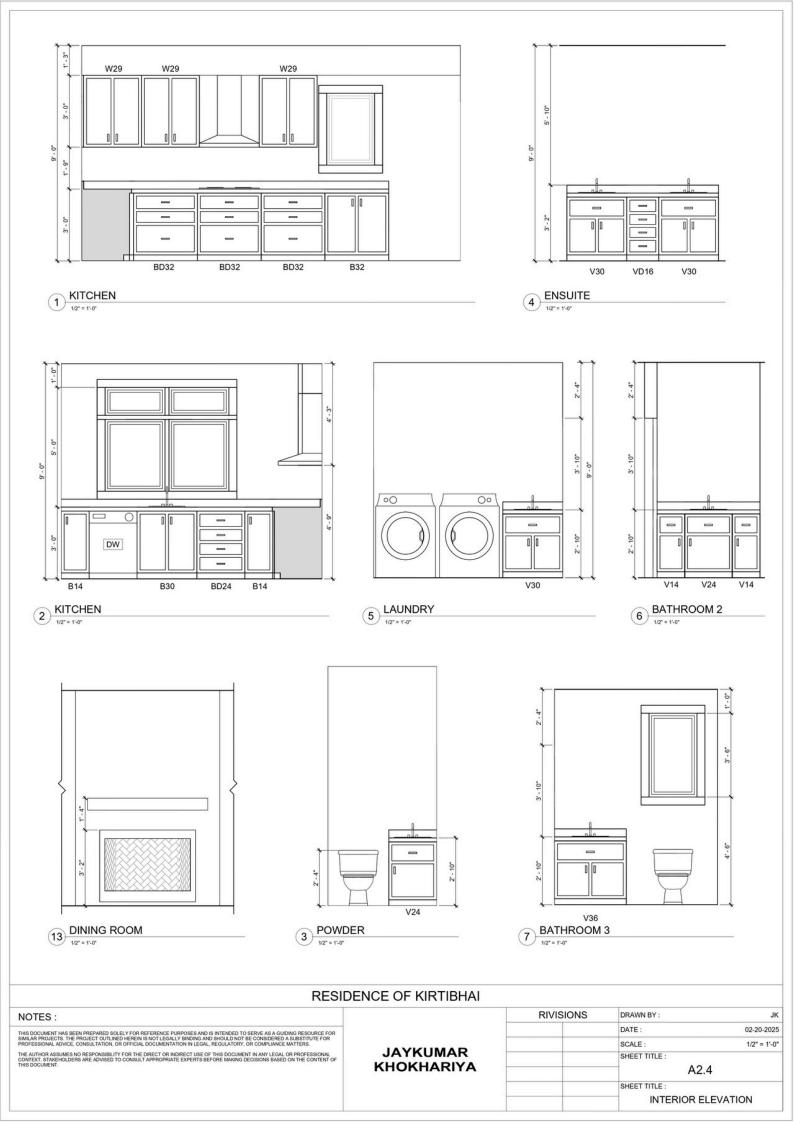
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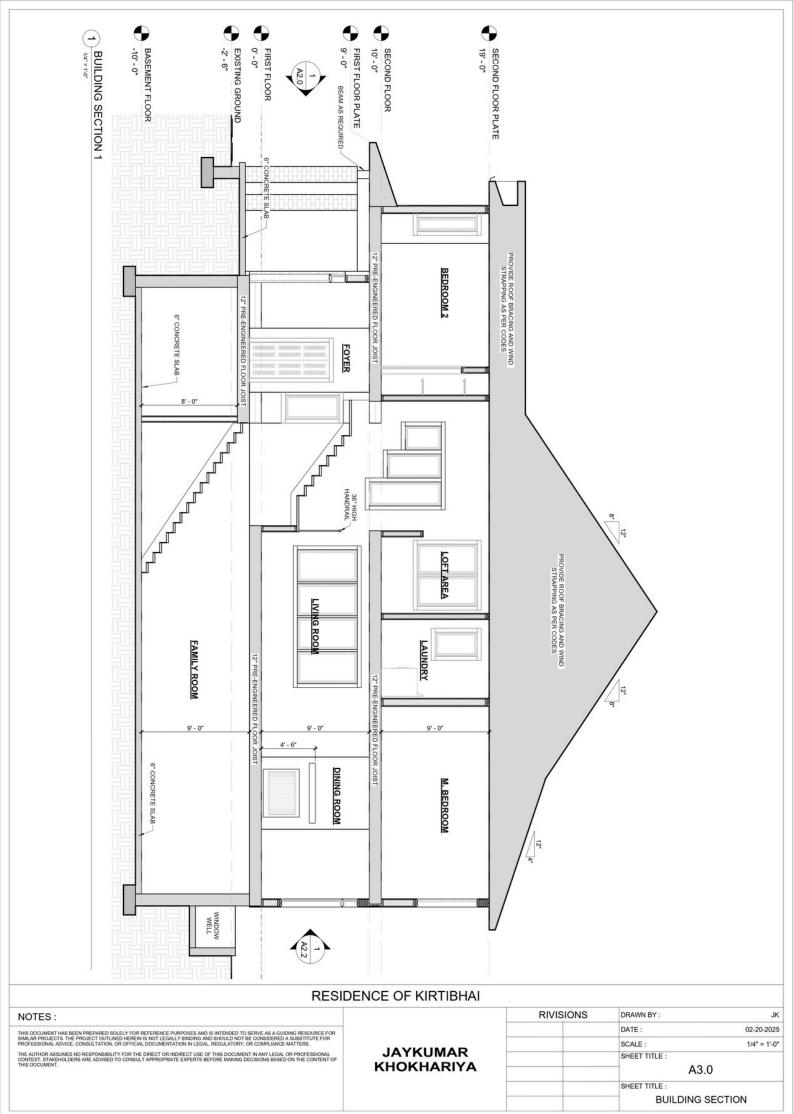


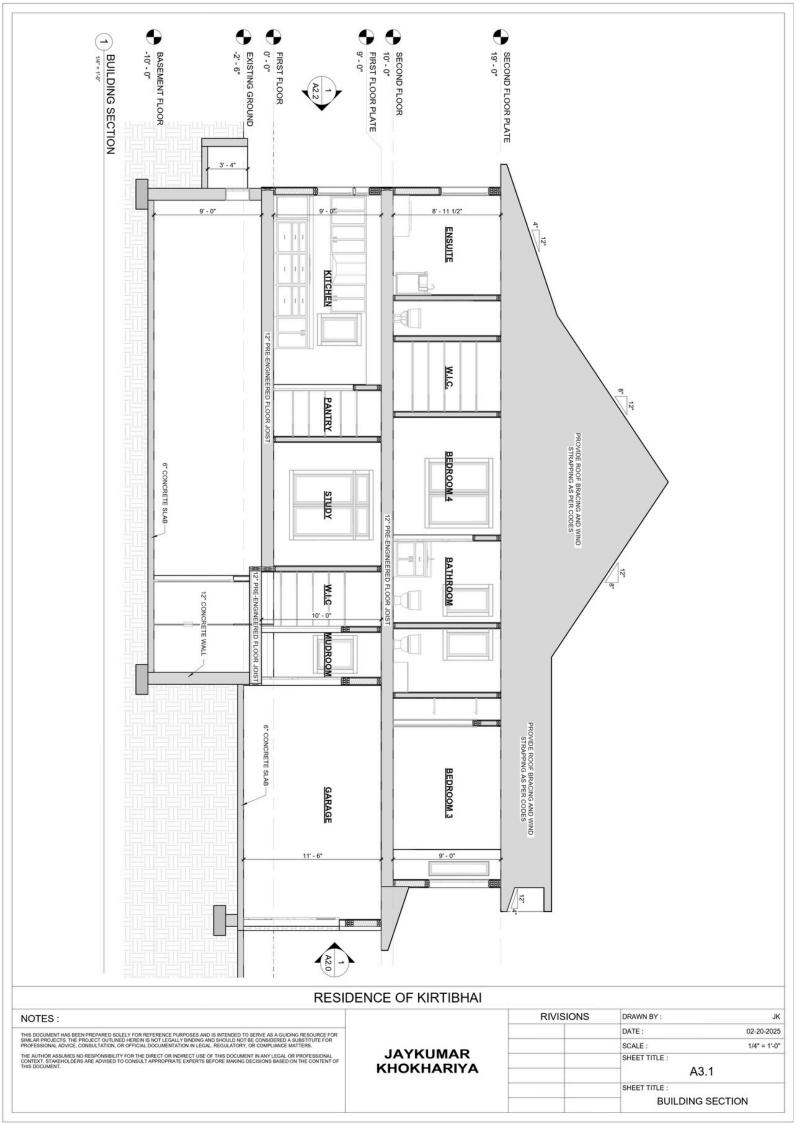
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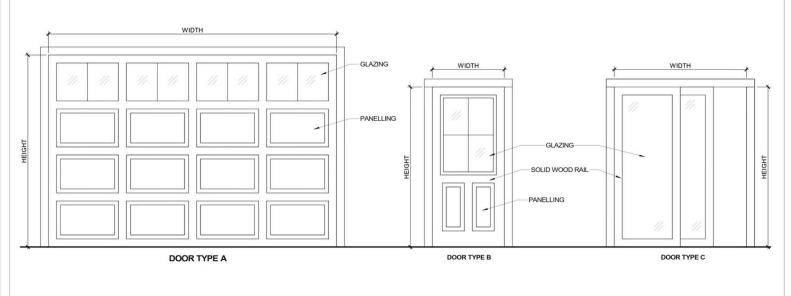
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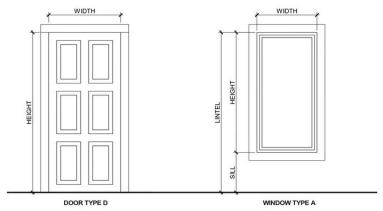












DOOR & WINDOW TYPE

		DOOR	SCHE	DULE
MARK	TYPE	WIDTH	HEIGHT	COMMENTS
101	D	2' - 8"	6' - 8"	
201	Α	12' - 0"	8' - 0"	GARAGE DOOR
202	В	3' - 0"	6' - 8"	W/ 1'-2" X 6'-8" SIDELIGHT AND 5'-8" X 1'-2" TRANSOM
203	D	1' - 6"	6' - 8"	DOUBLE DOOR
204	D	3' - 0"	6' - 8"	-
205	D	2' - 4"	6' - 8"	-
206	D	2' - 4"	6' - 8"	=
207	D	2' - 4"	6' - 8"	-
208	D	2' - 3"	6' - 8"	DOUBLE DOOR
209	D	2' - 4"	6' - 8"	-
210	С	5' - 6"	6' - 8"	W/ 5'-6" X 1'-2" TRANSOM
301	D	2' - 6"	6' - 8"	-
302	D	6' - 6"	6' - 8"	_
303	D	2' - 6"	6' - 8"	-
304	D	5' - 6"	6' - 8"	-
305	D	2' - 4"	6' - 8"	-
306	D	2' - 4"	6' - 8"	-
307	D	1' - 6"	6' - 8"	-
308	D	2' - 10"	6' - 8"	-
309	D	5' - 6"	6' - 8"	-
310	D	2' - 6"	6' - 8"	-
311	D	2' - 10"	6' - 8"	-
312	D	2' - 6"	6' - 8"	W- 1'-0" X 6'-8" DOOR
313	D	2' - 6"	6' - 8"	-
314	D	2' - 6"	6' - 8"	-
315	D	2' - 4"	6' - 8"	-

		WINI	DOW S	SCHEDULE
MARK	TYPE	WIDTH	HEIGHT	COMMENTS
1	Α	4' - 0"	2' - 0"	-
2	A	4' - 0"	2' - 0"	-
3	A	2' - 0"	4' - 6"	-
4	Α	2' - 8"	5' - 0"	QUAD WINDOW
5	Α	2' - 8"	5' - 0"	DOUBLE WINDOW W/ 1'-2"H TRANSOM
6	Α	2' - 6"	3' - 0"	DOUBLE WINDOW W/ 1'-2"H TRANSOM
7	Α	2' - 0"	3' - 0"	-
8	Α	2' - 6"	5' - 0"	DOUBLE WINDOW W/ 1'-2"H TRANSOM
9	Α	2' - 6"	3' - 0"	-
10	Α	1' - 2"	5' - 0"	-
11	Α	2' - 6"	5' - 0"	DOUBLE WINDOW
12	Α	2' - 6"	5' - 0"	DOUBLE WINDOW
13	Α	1' - 2"	5' - 0"	-
14	Α	2' - 0"	3' - 0"	-
15	Α	2' - 0"	4' - 6"	-
16	Α	2' - 0"	6' - 0"	-
17	Α	2' - 6"	5' - 0"	DOUBLE WINDOW
18	Α	2' - 0"	3' - 6"	-
19	Α	2' - 6"	5' - 0"	TRIPLE WINDOW
20	Α	2' - 6"	4' - 0"	DOUBLE WINDOW
21	Α	2' - 6"	5' - 0"	DOUBLE WINDOW
22	Α	2' - 0"	3' - 6"	-
23	Α	2' - 0"	3' - 6"	-

RESIDENCE OF KIRTIBHAI

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8		DOOR & WINDO	W SCHEDULE	

