SPECUWIN

“Unlocking Architectural Potential, Together”

SPECUWIN

BIM OUTSOURCING SERVICES

At Specuwin, we are a dedicated team of architects and engineers, specializing in a wide range of BIM and Architectural outsourcing services. Our extensive offerings include CD Sets, Revit Drafting, AutoCAD detailing, scan to BIM, 3D modeling, rendering, walkthroughs, and more.

With a strong presence in the industry, we have been serving clients since 2019, both nationally and internationally. As an integral part of your team, we provide valuable backend support to help you manage your workload effectively. Understanding the unique requirements and budget constraints of our clients, we strive to deliver exceptional services that meet their specific needs.

Over the years, we have successfully completed over a hundred projects for clients across seven countries worldwide. Our unwavering focus on quality workmanship is driven by our desire to establish enduring relationships with our esteemed clients.

One of our key strengths lies in offering cost-effective solutions that result in substantial cost savings of up to 35% to 40% compared to in-house production. By partnering with us, you can harness the power of digitalization and revolutionize your construction workflow.

Reach out to us today and embark on a journey towards a digitized future for your construction processes. Experience the Specuwin difference.

- Construction Document Set
- Structural drawings
- Point Cloud
- AutoCAD Detailing
- Floor plan modifications
- Scan to BIM or CAD
- 3D modeling
- Still Image Renderings
- Video Walkthroughs
- Project Management

Our services provide significant cost savings, with clients enjoying a reduction of 30% to 40% compared to in-house production.

Standard-compliant drawings for the USA, Europe, Canada, and India.

Our agile team consists of 40 skilled architects, engineers, and designers, each bringing their unique expertise to the table.

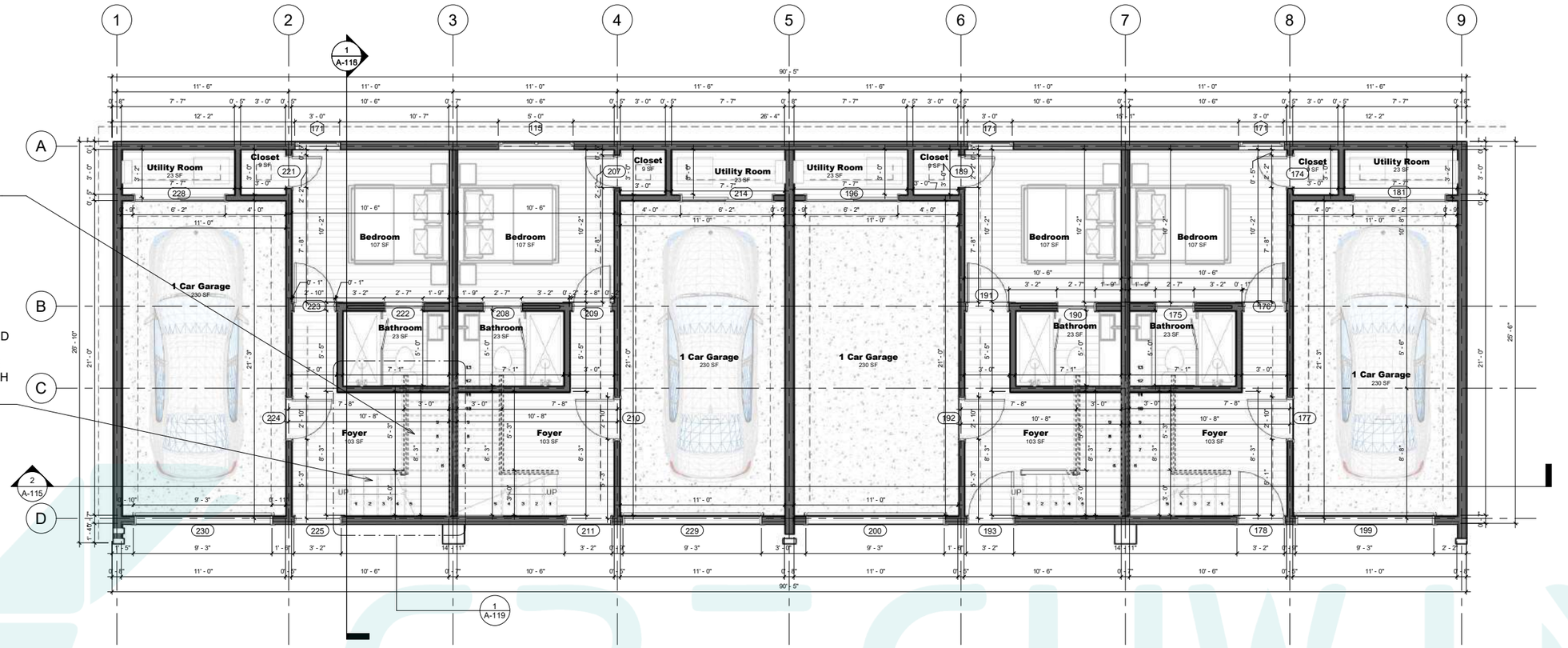
SPECUWIN

1

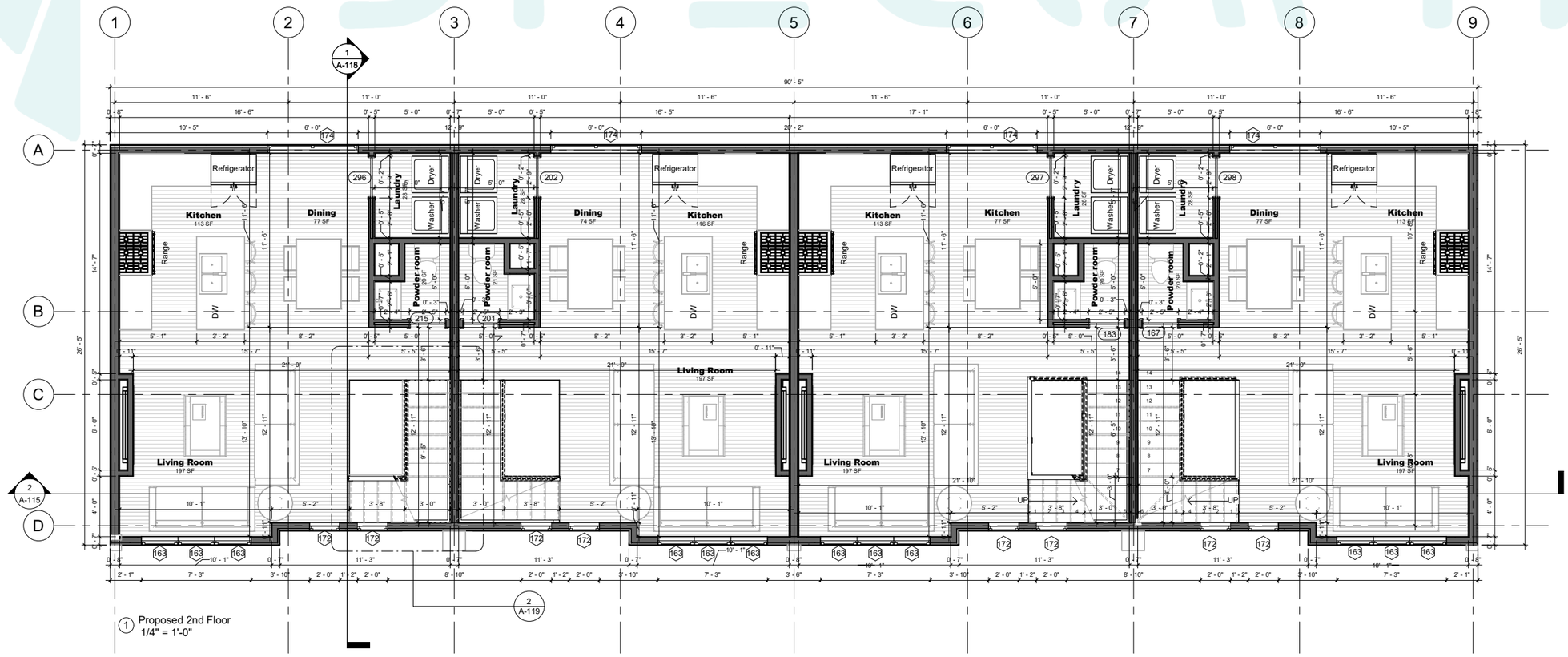
Project	- West Lake Apartment
Location	- Atlanta, Georgia
Software	- Revit
Scope of Work	- Construction Document Set

PROVIDE 42" HIGH GUARD 4" MAXIMUM CLEAR SPACING BETWEEN RAIL

ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SURFACE AND SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2-INCH (12.7 MM) GYPSUM BOARD



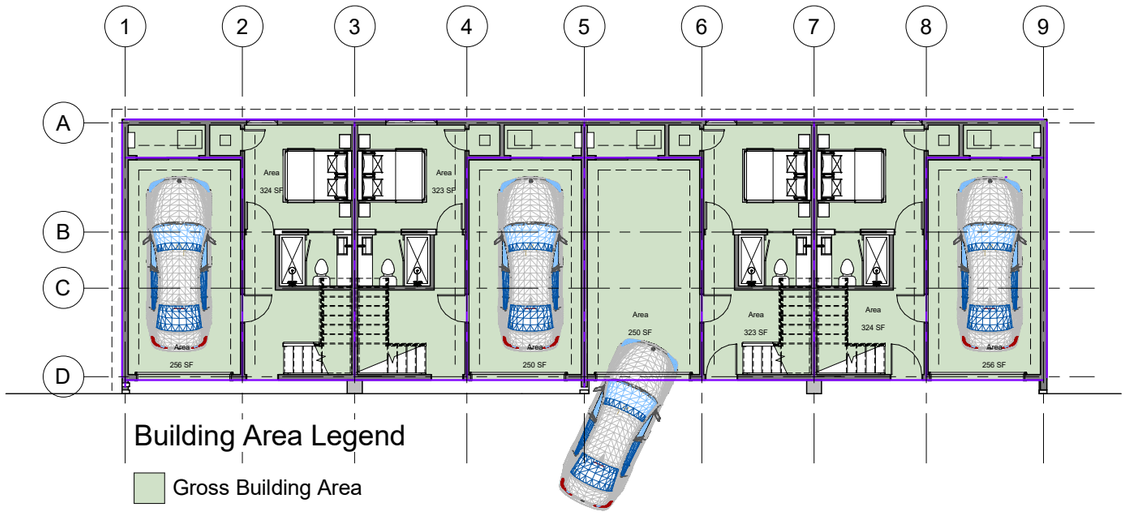
1 Proposed 1st Floor
1/4" = 1'-0"



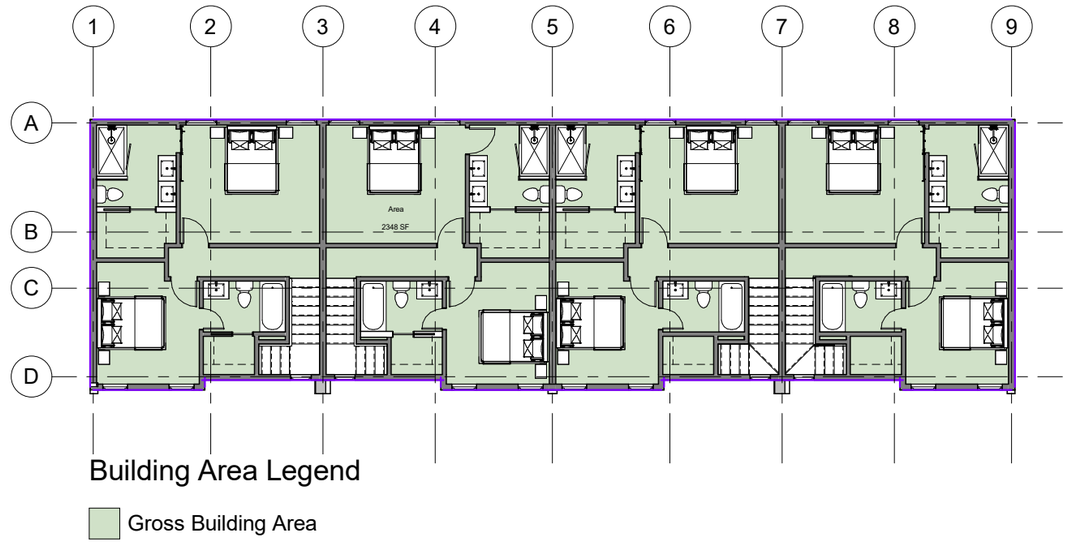
1 Proposed 2nd Floor
1/4" = 1'-0"

2 North Elevation
1/4" = 1'-0"

1 South Elevation
1/4" = 1'-0"



1 Proposed 1st Floor
1/8" = 1'-0"

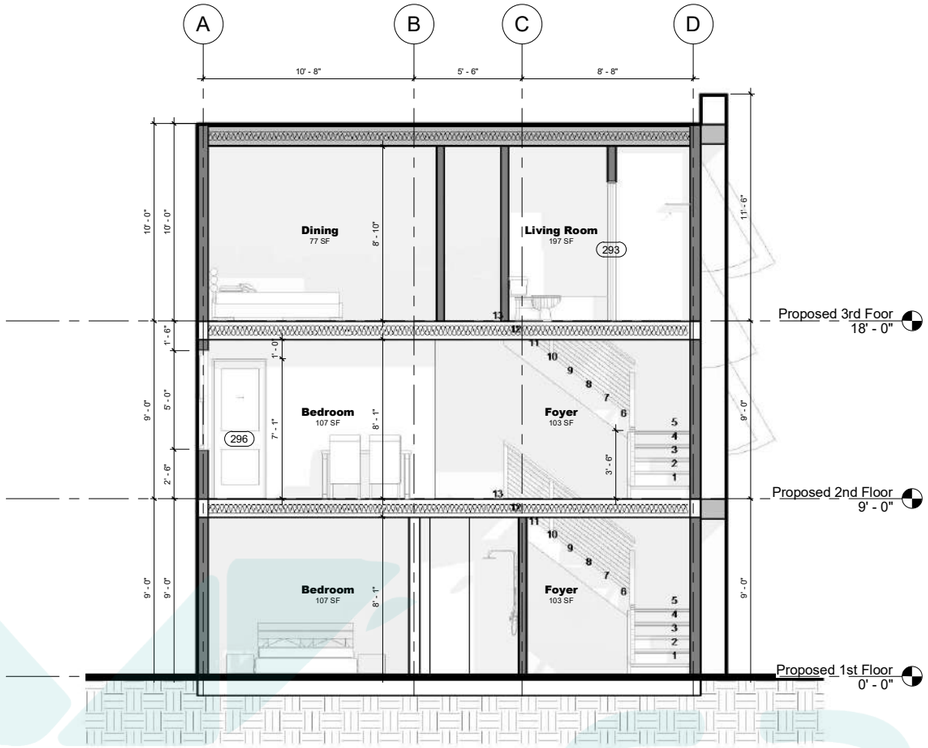


2 Proposed 3rd Foor
1/8" = 1'-0"

Room Schedule

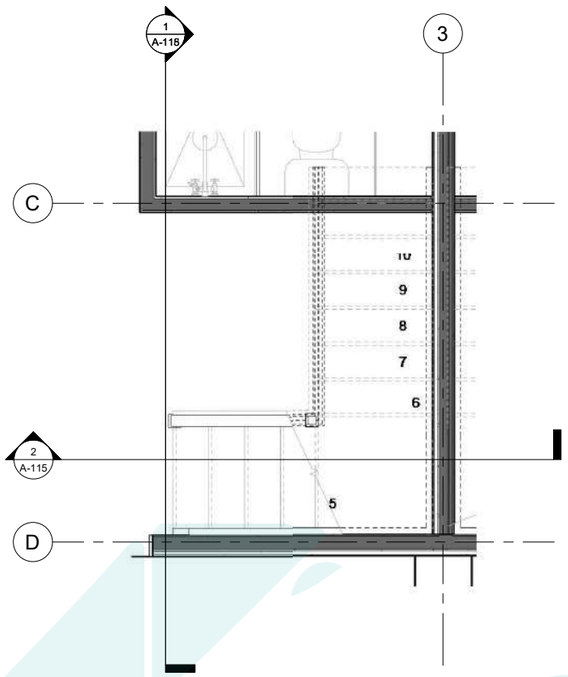
Name	Area	Perimeter	Level
Proposed 1st Floor			
Bedroom	107 SF	41' - 4 3/4"	Proposed 1st Floor
1 Car Garage	230 SF	63' - 11 3/32"	Proposed 1st Floor
Foyer	103 SF	48' - 4"	Proposed 1st Floor
Bathroom	23 SF	19' - 2 11/16"	Proposed 1st Floor
Closet	9 SF	12' - 0 1/4"	Proposed 1st Floor
Utility Room	23 SF	21' - 1 3/32"	Proposed 1st Floor
Bedroom	107 SF	41' - 4 3/4"	Proposed 1st Floor
Utility Room	23 SF	21' - 1 3/32"	Proposed 1st Floor
Closet	9 SF	12' - 0 1/4"	Proposed 1st Floor
1 Car Garage	230 SF	63' - 11 3/32"	Proposed 1st Floor
Foyer	103 SF	48' - 4"	Proposed 1st Floor
1 Car Garage	230 SF	63' - 11 3/32"	Proposed 1st Floor
Bedroom	107 SF	41' - 4 3/4"	Proposed 1st Floor
Utility Room	23 SF	21' - 1 3/32"	Proposed 1st Floor
Closet	9 SF	12' - 0 1/4"	Proposed 1st Floor
Bathroom	23 SF	19' - 2 11/16"	Proposed 1st Floor
Bathroom	23 SF	19' - 2 11/16"	Proposed 1st Floor
Foyer	103 SF	48' - 4"	Proposed 1st Floor
Foyer	103 SF	48' - 4"	Proposed 1st Floor
1 Car Garage	230 SF	63' - 11 3/32"	Proposed 1st Floor
Bedroom	107 SF	41' - 4 3/4"	Proposed 1st Floor
Closet	9 SF	12' - 0 1/4"	Proposed 1st Floor
Utility Room	23 SF	21' - 1 3/32"	Proposed 1st Floor
Bathroom	23 SF	19' - 2 11/16"	Proposed 1st Floor
Proposed 2nd Floor			
Powder room	21 SF	19' - 11 7/8"	Proposed 2nd Floor
Laundry	28 SF	21' - 1 7/8"	Proposed 2nd Floor
Dining	74 SF	35' - 10 5/8"	Proposed 2nd Floor
Kitchen	116 SF	43' - 1 27/32"	Proposed 2nd Floor
Living Room	197 SF	59' - 7 7/32"	Proposed 2nd Floor
Kitchen	3 SF	12' - 11"	Proposed 2nd Floor
Kitchen	113 SF	42' - 7 3/32"	Proposed 2nd Floor
Kitchen	113 SF	42' - 7 7/32"	Proposed 2nd Floor
Kitchen	3 SF	12' - 11"	Proposed 2nd Floor
Kitchen	3 SF	12' - 11"	Proposed 2nd Floor
Kitchen	3 SF	12' - 11"	Proposed 2nd Floor
Dining	77 SF	36' - 5 7/32"	Proposed 2nd Floor
Living Room	197 SF	59' - 7 3/16"	Proposed 2nd Floor
Laundry	28 SF	21' - 2"	Proposed 2nd Floor
Powder room	20 SF	20' - 0"	Proposed 2nd Floor
Kitchen	77 SF	36' - 5 11/32"	Proposed 2nd Floor
Living Room	197 SF	59' - 7 1/16"	Proposed 2nd Floor
Powder room	20 SF	20' - 0"	Proposed 2nd Floor
Powder room	20 SF	20' - 0"	Proposed 2nd Floor
Living Room	197 SF	59' - 7 1/16"	Proposed 2nd Floor
Dining	77 SF	36' - 5 11/32"	Proposed 2nd Floor
Kitchen	113 SF	42' - 7 7/32"	Proposed 2nd Floor
Laundry	28 SF	21' - 2"	Proposed 2nd Floor
Laundry	28 SF	21' - 2"	Proposed 2nd Floor
Proposed 3rd Foor			
Owner Suite	158 SF	50' - 5 3/32"	Proposed 3rd Foor
Owner Bath	46 SF	31' - 7 7/32"	Proposed 3rd Foor
Owner W/C	33 SF	24' - 6 3/32"	Proposed 3rd Foor
Bedroom	114 SF	43' - 11 27/32"	Proposed 3rd Foor
Bathroom	39 SF	25' - 10 1/8"	Proposed 3rd Foor
W/C	18 SF	17' - 4 1/8"	Proposed 3rd Foor
Bathroom	40 SF	26' - 0"	Proposed 3rd Foor
W/C	19 SF	17' - 6"	Proposed 3rd Foor
Bathroom	40 SF	26' - 0"	Proposed 3rd Foor
W/C	19 SF	17' - 6"	Proposed 3rd Foor
Bathroom	40 SF	26' - 0"	Proposed 3rd Foor
W/C	19 SF	17' - 6"	Proposed 3rd Foor
Owner Suite	158 SF	50' - 5 3/32"	Proposed 3rd Foor
Owner bath	46 SF	31' - 7 7/32"	Proposed 3rd Foor
Owner W/C	33 SF	24' - 6 3/32"	Proposed 3rd Foor
Bedroom	114 SF	43' - 11 27/32"	Proposed 3rd Foor
Bedroom	114 SF	43' - 11 27/32"	Proposed 3rd Foor
Owner Bath	46 SF	31' - 7 7/32"	Proposed 3rd Foor
Owner W/C	33 SF	24' - 6 3/32"	Proposed 3rd Foor
Owner Suite	158 SF	50' - 5 3/32"	Proposed 3rd Foor
Owner Suite	158 SF	50' - 5 3/32"	Proposed 3rd Foor
Bedroom	114 SF	43' - 11 27/32"	Proposed 3rd Foor
Baner Bath	46 SF	31' - 7 7/32"	Proposed 3rd Foor
Owner W/C	33 SF	24' - 6 3/32"	Proposed 3rd Foor

3 Proposed 2nd Floor
1/8" = 1'-0"

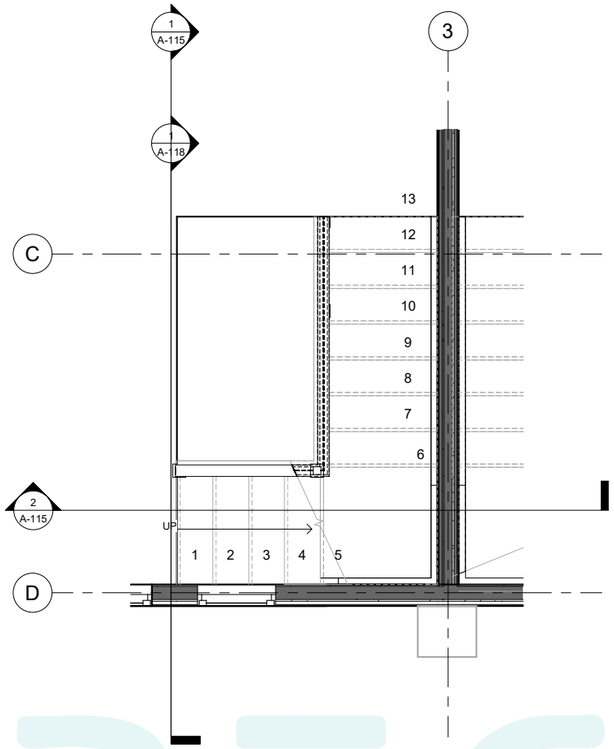


1 Section 1
1/4" = 1'-0"

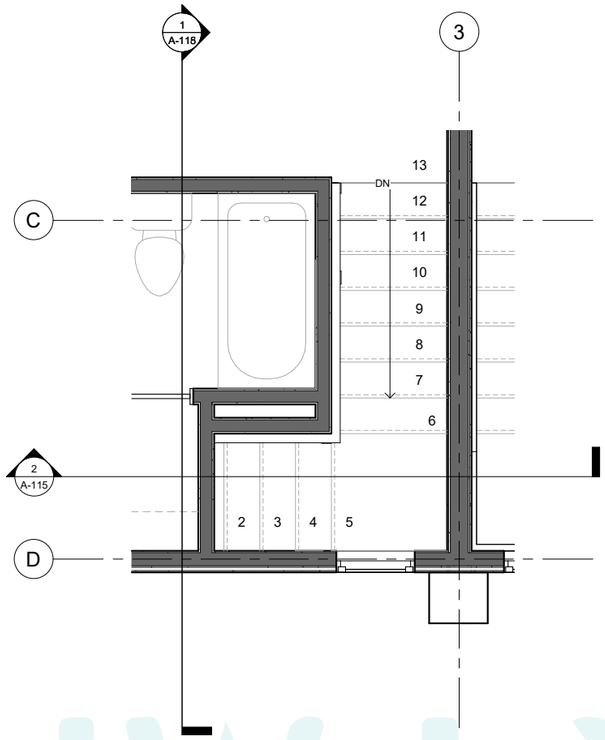
2 Section 2
1/4" = 1'-0"



① Proposed 1st Floor - Callout 1
1/2" = 1'-0"

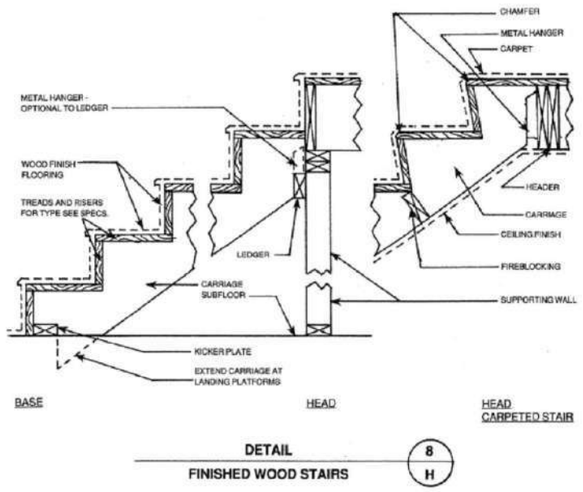


② Proposed 2nd Floor - Callout 1
1/2" = 1'-0"



③ Proposed 3rd Foor - Callout 1
1/2" = 1'-0"

Stair Schedule						
Family	Actual Riser Height	Actual Number of Risers	Actual Tread Depth	Base Level	Top Level	Landing Type
Assembled Stair	0' - 8 5/16"	13	0' - 11"	Proposed 1st Floor	Proposed 2nd Floor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	14	0' - 11"	Proposed 2nd Floor	Proposed 3rd Foor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	13	0' - 11"	Proposed 1st Floor	Proposed 2nd Floor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	14	0' - 11"	Proposed 2nd Floor	Proposed 3rd Foor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	13	0' - 11"	Proposed 1st Floor	Proposed 2nd Floor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	13	0' - 11"	Proposed 2nd Floor	Proposed 2nd Floor	Non-Monolithic Landing
Assembled Stair	0' - 6 3/4"	13	0' - 11"	Proposed 1st Floor	Proposed 2nd Floor	Non-Monolithic Landing
Assembled Stair	0' - 6 3/4"	14	0' - 11"	Proposed 2nd Floor	Proposed 3rd Foor	Non-Monolithic Landing
Assembled Stair	0' - 6 3/4"	13	0' - 11"	Proposed 1st Floor	Proposed 2nd Floor	Non-Monolithic Landing
Assembled Stair	0' - 6 3/4"	14	0' - 11"	Proposed 2nd Floor	Proposed 3rd Foor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	13	0' - 11"	Proposed 2nd Floor	Proposed 3rd Foor	Non-Monolithic Landing
Assembled Stair	0' - 8 5/16"	13	0' - 11"	Proposed 2nd Floor	Proposed 3rd Foor	Non-Monolithic Landing



DETAIL 8 / FINISHED WOOD STAIRS H

STAIRS & RAILING NOTES:

STAIRWAYS SHALL HAVE A MIN.WIDTH OF 34". HAND RAILS MAY ENCROACH A MAX. OF 3 1/2" INTO THE REQUIRED WIDTH.

TREADS SHALL HAVE A MIN. WIDTH OF 9". STAIR TREADS MUST BE UNIFORM AND CAN NOT VARY FROM THE LARGEST TO THE SMALLEST BY MORE THAN 3/8".

STAIRWAYS SHALL HAVE MIN. 6'-8" OF HEADROOM AT THE NOSE OF THE STAIR.

ENCLOSED USABLE SPACE UNDER INTERIOR STAIRS SHALL BE PROTECTED ON THE ENCLOSED FACE WITH 5/8" TYPE "X" GYPSUM WALL BOARD. STAIRWAYS SHALL HAVE AT LEAST ONE HANDRAIL LOCATED 34" TO 38" ABOVE THE NOSING OF TREADS AND LANDINGS.

THE HAND GRIP PORTION OF HANDRAILS SHALL NOT BE LESS THAN 1-1/2" OR GREATER THAN 2" IN CROSSSECTIONAL DIMENSION.

HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS.

THE ENDS OF HANDRAILS SHALL RETURN TO WALL OR TERMINATE INTO A NEWEL POST OR SAFETY TERMINAL.

STAIRWAYS HAVING LESS THAN 2 RISERS DO NOT REQUIRE A HAND RAIL.

34" MIN. HEIGHT GUARDRAILS SHALL BE PROVIDED FOR AT PORCHES, DECKS, BALCONIES, STAIRWAYS AND LANDINGS WHERE THE ADJACENT SURFACE IS GREATER THAN 24" BELOW.
RAILING AND GUARDRAIL BALUSTER SPACING SHALL BE NO GREATER THAN 4".

THE TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD, AND BOTTOM OF GUARDRAIL SHALL NOT ALLOW A 6" DIAMETER SPHERE TO PASS THROUGH.

EXTERIOR SPIRAL STAIRS TO BE FABRICATED AND INSTALLED PER THE MFG. INSTRUCTIONS

2

Project	- Avocado Residence
Location	- San Diego, California
Software	- AutoCad
Scope of Work	- Construction Document Set

SPECUWIN

ROOFING NOTES:

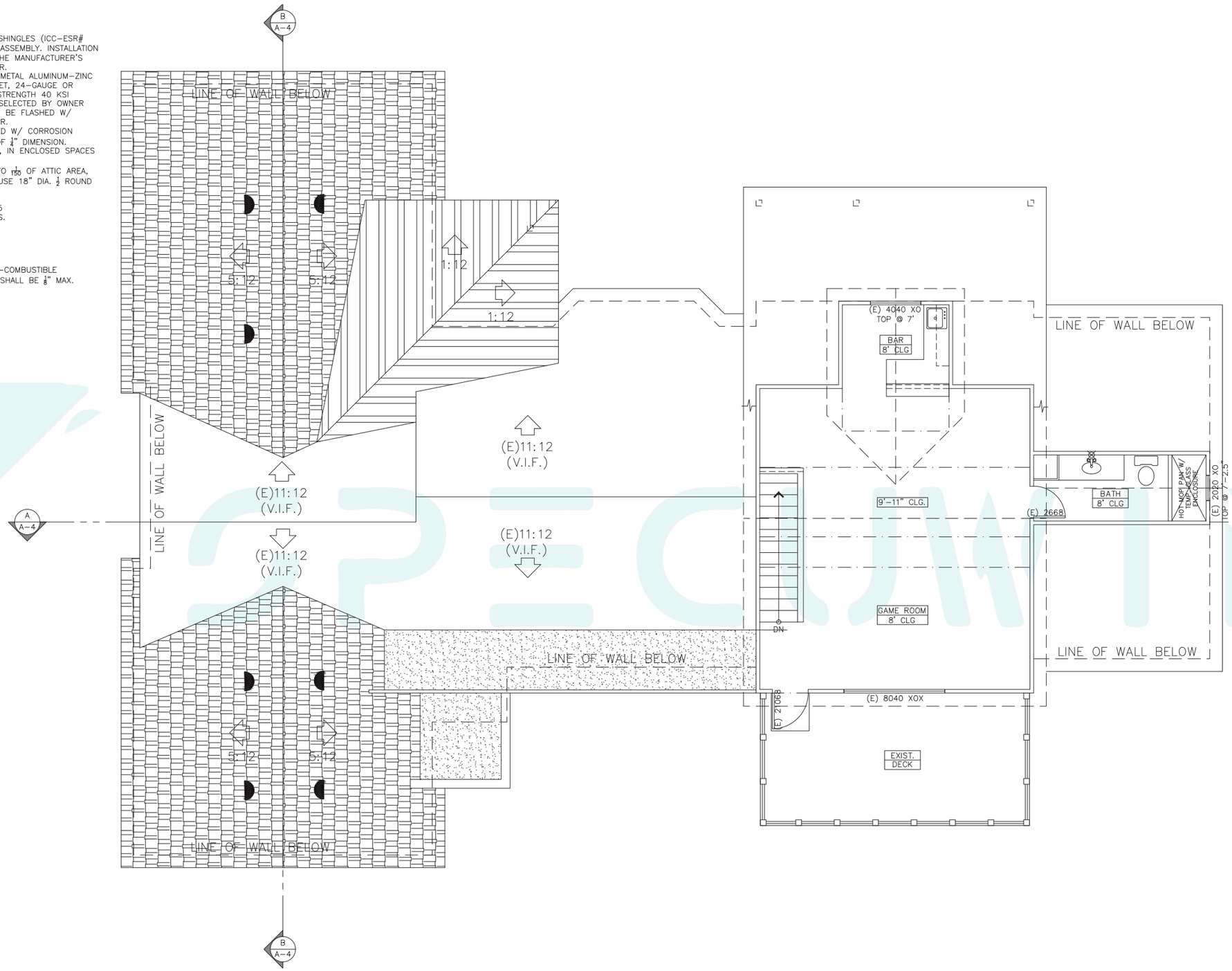
1. NEW ROOFING TO BE CLASS "A" COMPOSITION SHINGLES (ICC-ESR# 1475) O/ 40# FELT WITH CLASS "A" ROOFING ASSEMBLY. INSTALLATION OF ROOFING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. COLOR AS SELECTED BY OWNER.
2. ROOF OVER MAIN ENTRY TO BE PRE-FINISHED METAL ALUMINUM-ZINC ALLOY COATED (AZ-50 GALVALUME) STEEL SHEET, 24-GAUGE OR 22-GAUGE*, ASTM 792-08, GRADE 40, YIELD STRENGTH 40 KSI MINIMUM. ICC NUMBER: ESR-2527. COLOR AS SELECTED BY OWNER
3. EVERY OPENING IN ANY EXTERIOR WALL SHALL BE FLASHED W/ SHEET METAL OR WATER PROOF BUILDING PAPER.
4. ATTIC VENTILATION OPENINGS SHALL BE COVERED W/ CORROSION RESISTANT METAL MESH, W/ MESH OPENINGS OF $\frac{1}{4}$" DIMENSION.
5. PROVIDE FIRESTOPS, VERTICAL AND HORIZONTAL, IN ENCLOSED SPACES @ 10'-0" INTERVALS MAX. (UBC SEC 708.2.1)
6. VERIFY OR PROVIDE ATTIC VENTILATION EQUAL TO $\frac{1}{150}$ OF ATTIC AREA, AT EXISTING WHERE ATTIC AREA IS OVER 30". USE 18" DIA. $\frac{1}{2}$ ROUND DORMER VENTS TYP. 0.75 SQ. FT. AREA.

NEW ATTIC AREA = 937 SQ. FT. / 150 = 6.25
PROVIDE 7 VENTS.

INDICATES VENTS

VENT OPENINGS SHALL BE COVERED WITH NON-COMBUSTIBLE CORROSION RESISTANT MESH. MESH OPENINGS SHALL BE $\frac{1}{8}$" MAX.

EXISTING VENTS TO REMAIN.



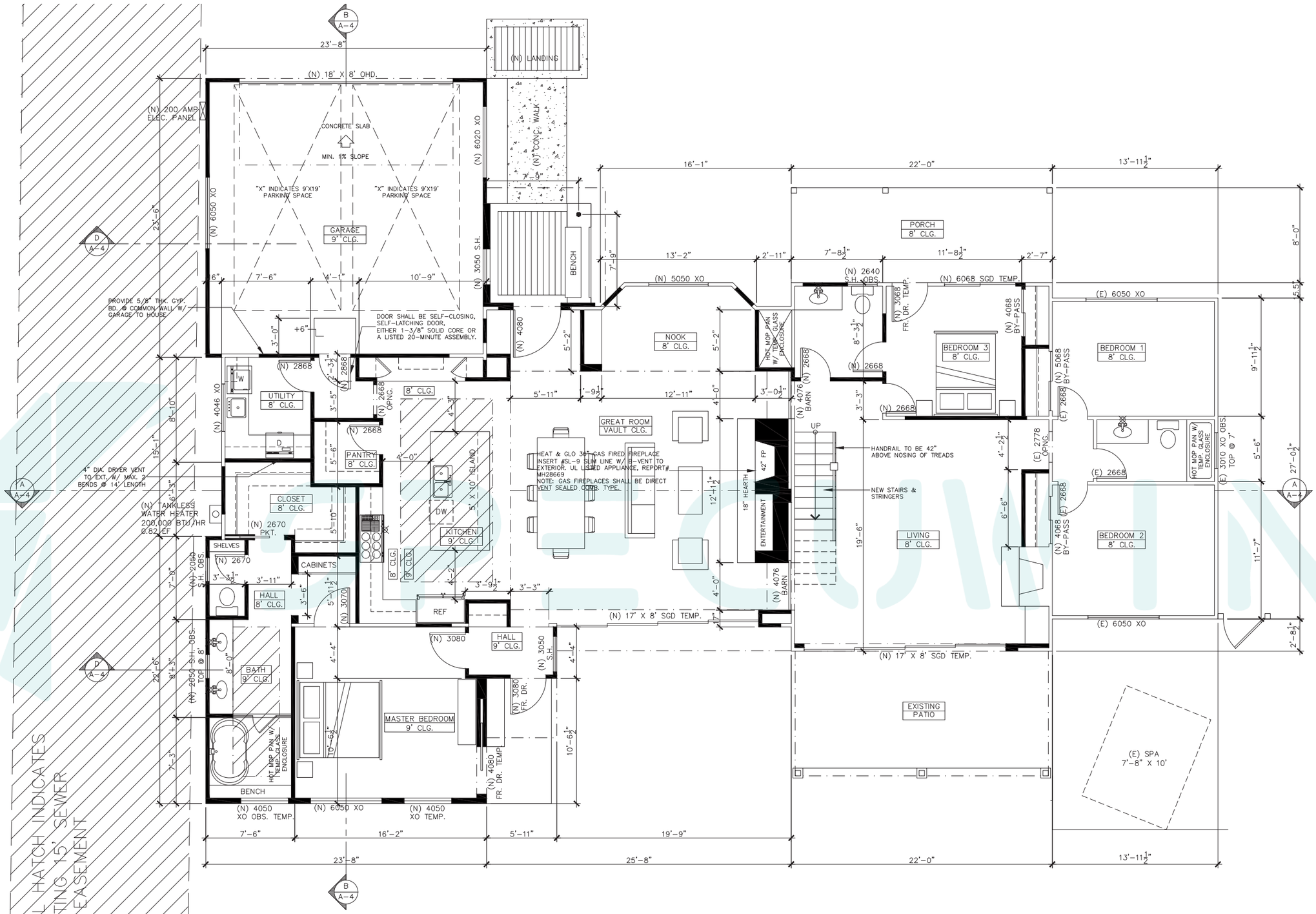
WALL LEGEND

EXISTING WALLS TO REMAIN
NEW WALLS

PROPOSED SECOND FLOOR PLAN

1/4" = 1'-0"

PROPOSED HABITABLE FLOOR AREA: 640 SQ. FT.
EXISTING DECK: 224 SQ. FT.



WALL LEGEND

EXISTING WALLS TO REMAIN

NEW WALLS

PROPOSED MAIN FLOOR PLAN

1/4" = 1'-0"

PROPOSED TOTAL HABITABLE FLOOR AREA: 2,679 SQ. FT.
PROPOSED GARAGE: 549 SQ. FT.

ELECTRICAL NOTES:

. PERMANENTLY LABEL ALL CIRCUIT BREAKERS.

. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) OUTLETS ARE REQUIRED IN BATHROOMS, KITCHENS, AND WET BAR SINKS, IN ATTACHED GARAGES, IN CRAWLSPACES, IN UNFINISHED BASEMENTS, AND OUTDOORS.

MIN. 36" CLEAR WORKING SPACE IN FRONT OF ALL ELECTRICAL PANELS AND DISCONNECTS

SMOKE DETECTORS SHALL BE INSTALLED PER 2016 NEC.
A) EACH SLEEPING ROOM
B) AT A POINT CENTRALLY LOCATED IN THE CORRIDOR OR AREA GIVING ACCESS TO EACH SEPERATED SLEEPING ROOM
C) ROOMS OPEN TO A HALLWAY SERVING BEDROOMS WHERE THE CEILING HEIGHT EXCEEDS THAT OF THE HALLWAY BY 24" OR MORE
D) BATTERY OPERATED SMOKE DETECTORS MAY BE USED IN EXISTING
E) SMOKE ALARMS ARE REQUIRED TO BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF 1 ALARM WILL ACTIVATE ALL OF THE ALARMS.

NEW UNIT INTERCONNECTION NOTE: WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED, THE SMOKE ALARMS AHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED.

. RECEPTACLE OUTLET LOCATIONS SHALL COMPLY WITH CEC ARTICLE 210.52(A).

. BATHROOM CIRCUITING SHALL BE EITHER:
A) A 20 AMPERE CIRCUIT DEDICATED TO EACH BATHROOM, OR
B) AT LEAST ONE 20 AMPERE CIRCUIT SUPPLYING ONLY BATHROOM RECEPTACLE OUTLETS.

. FLUORESCENT FIXTURES MUST BE OF THE BALLASTED TYPE THAT CAN ONLY ACCEPT FLUORESCENT BULBS WITH A MINIMUM EFFICACY OF 40 LUMENS PER WATT.

. IN BATHROOMS, GARAGES, LAUNDRY ROOMS AND UTILITY ROOMS AT LEAST ONE LUMINAIRE SHALL BE CONTROLLED BY VACANCY SENSOR.

. ELECTRICIAN TO VERIFY PROPER OUTLET SPACING AND LIGHTING REQUIREMENTS PRIOR TO INSTALATION OF SUCH OUTLETS AND LIGHTING.

. VERIFY ALL OUTLET, RECEPTICAL AND LIGHTING LOCATIONS WITH OWNER.

. TAMPER RESISTANT RECEPTICALS ARE REQUIRED THROUGHOUT ENTIRE DWELLING UNIT PER. THE 2010 CA ELECTRICAL CODE ARTICLE 406.11 TAMPER-RESISTANT RECEPTICALS. ALL OUTLETS NOT NOTED AS GFCI, MUST BE AFCI OUTLETS.

. ALL ELECTRICAL DEVICES INSTALLED IN THE DWELLING SHALL BE COMPLIANT WITH CEC ARTICLE 210 & 406. a)WEATHER RESISTANT TYPE, FOR RECEPTICLES IN WET LOCATIONS (OUTSIDE)

3. LIGHTING NOTES:
a. ALL INSTALLED LUMINAIRES SHALL BE HIGH-EFFICACY IN ACCORDANCE WITH ES TABLE 150.0-A. LIGHT SOURCES THAT ARE NOT MARKED "JA8-2016-E" SHALL NOT BE INSTALLED IN ENCLOSED LUMINAIRES. ES 150.0(k)
b. IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS AT LEAST ONE LUMINAIRE SHALL BE CONTROLLED BY A VACANCY SENSOR.
c. DIMMERS OR VACANCY SENSORS SHALL CONTROL ALL LED STYLE LUMINAIRES. TWO EXCEPTIONS: FIXTURES INSTALLED IN HALLWAYS OR (CLOSETS UNDER 70 SQUARE FEET).
d. RECESSED CAN LIGHT FIXTURES SHALL BE IC LISTED, AIR-TIGHT LABELED, AND NOT BE EQUIPPED WITH A STANDARD MEDIUM BASE SCREW SHELL LAMP HOLDER. ES 150.0(k)
e. SFD OUTDOOR LIGHTING FIXTURES THAT ARE ATTACHED TO A BUILDING ARE REQUIRED TO BE HIGH EFFICACY, BE MANUALLY ON/OFF SWITCH CONTROLLED, AND HAVE BOTH MOTION SENSOR AND PHOTOCELL CONTROL. SEE ES 150.0(k) 3 FOR ADDITIONAL CONTROL OPTIONS.

14. MECHANICAL EXHAUST FANS FROM BATHROOMS SHALL COMPLY WITH THE FOLLOWING (CALGREEN 4.506.1).

SMOKE DETECTORS SHALL BE INSTALLED PER 2016 CRC.

A) EACH SLEEPING ROOM
B) AT A POINT CENTRALLY LOCATED IN THE CORRIDOR OR AREA GIVING ACCESS TO EACH SEPARATED SLEEPING ROOM
C) ROOMS OPEN TO A HALLWAY SERVING BEDROOMS WHERE THE CEILING HEIGHT EXCEEDS THAT OF THE HALLWAY BY 24" OR MORE
D) BATTERY OPERATED SMOKE DETECTORS MAY BE USED IN EXISTING
E) SMOKE ALARMS ARE REQUIRED TO BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF 1 ALARM WILL ACTIVATE ALL OF THE ALARMS.

***SMOKE DETECTORS MUST BE VERIFIED OR ADDED AT EXISTING RESIDENCE ***
***TO COMPLY WITH THE LOCATIONS MENTIONED ABOVE. BATTERY OPERATED UNITS ***
***ARE NOT ACCEPTABLE AT THESE LOCATIONS ***

1. ALL SMOKE DETECTORS SHALL BE LISTED IN ACCORDANCE WITH UL217 AND INSTALLED IN ACCORDANCE WITH UL 217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72. SYSTEMS AND COMPONENTS SHALL BE California STATE FIRE MARSHAL LISTED AND APPROVED IN ACCORDANCE WITH CCR, TITLE 19, DIVISION 1 FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED.

2. BATTERY OPERATED SMOKE ALARMS ARE PERMITTED TO BE SOLELY BATTERY OPERATED IN EXISTING AREAS OF BUILDINGS UNDERGOING ALTERATIONS OR REPAIRS THAT DO NOT RESULT IN THE REMOVAL OF INTERIOR WALLS OR CEILING FINISHES EXPOSING THE STRUCTURE, UNLESS THERE IS AN ATTIC, CRAWL SPACE OR BASEMENT AVAILABLE WHICH COULD PROVIDE ACCESS FOR BUILDING WIRING WITH OUT THE REMOVAL OF INTERIOR FINISHES. (NOT ALLOWED FOR THE PROPOSED PROJECT)

3. SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING PROVIDED THAT SUCH WIRING IS SERVED FROM A COMMERCIAI SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMOKE ALARMS WITH INTEGRAL STROBES THAT ARE NOT EQUIPPED WITH BATTERY BACKUP SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM. SMOKAL ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION.

4. WHERE MORE THAN ONE SMOKE ALARM IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT, THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. SMOKE ALARMS WILL BE INSTALLED ACCORDING TO THE 2016 CRC SECTION R314

5. ANY EXISTING SMOKE ALARMS THAT ARE MORE THAN 10 YEARS OLD WILL BE REPLACED.

6. THE INSTALLATION OF SMOKE ALARMS AND SMOKE DETECTORS SHALL COMPLY WITH THE SPECIFIC LOCATION REQUIREMENTS OF CRC SECTION R314.3.4.

CARBON MONOXIDE DETECTORS SHALL BE LOCATED AT:

1. A) OUTSIDE OF EACH SEPARATE DWELLING UNIT SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS
B) ON EVERY LEVEL OF A DWELLING UNIT INCLUDING BASEMENTS.

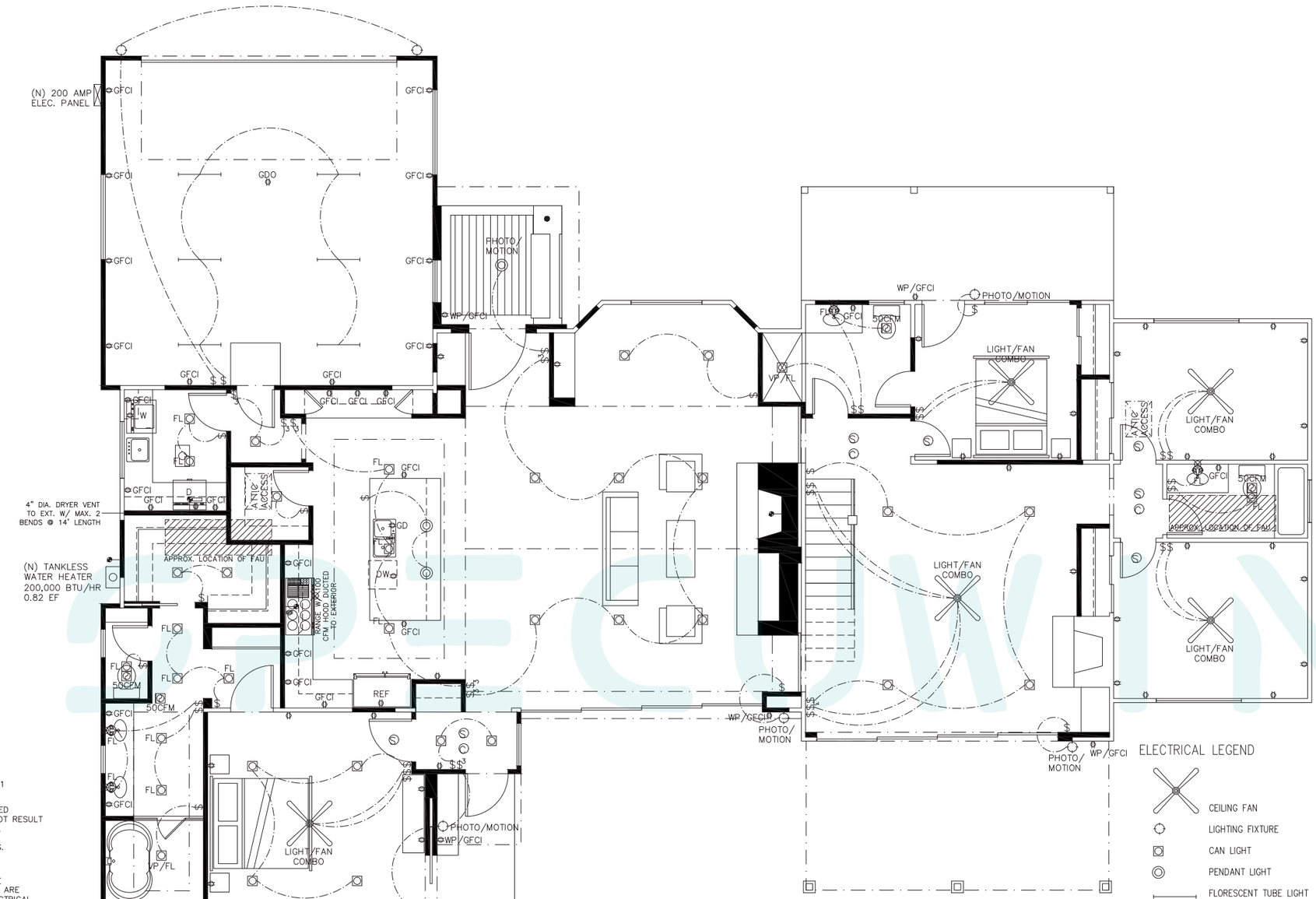
2. AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING UNITS AND IN SLEEPING UNITS WHICH FUEL-BURNING APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES

3. SINGLE AND MULTIPLE-STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL 2034. CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL 2075.

4. CARBON MONOXIDE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING PROVIDED THAT SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP. SMOKE ALARMS WITH INTEGRAL STROBES THAT ARE NOT EQUIPPED WITH BATTERY BACKUP SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVERCURRENT PROTECTION.

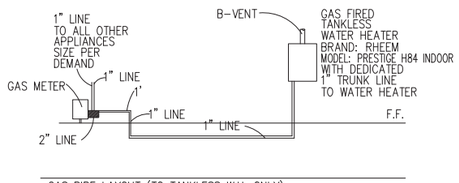
5. WHERE MORE THAN ONE CARBON MONOXIDE DETECTOR IS REQUIRED TO BE INSTALLED WITHIN AN INDIVIDUAL DWELLING UNIT, THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT.

6. CARBON MONOXIDE ALARMS WILL BE INSTALLED ACCORDING TO THE 2016 CRC SECTION R315



MAIN FLOOR ELECTRICAL PLAN

1/4" = 1'-0"



GAS PIPE LAYOUT (TO TANKLESS W.H. ONLY)

GAS PIPING SIZING BASED UPON A MIN. INPUT OF 199,000 BTU/HR.

A CONDENSATION DRAIN INSTALLED NO HIGHER THAN 2" ABOVE THE BASE OF THE HEATER THAT ALLOWS FOR GRAVITY DRAINAGE.

THE "B" VENT INSTALLED IN A STRAIGHT POSITION FROM THE ROOM CONTAINING THE WATER HEATER TO THE ROOF TERMINATION. (FOR FUTURE POSSIBLE SLEEVING FOR HIGH EFFICIENCY HEATER VENTING).

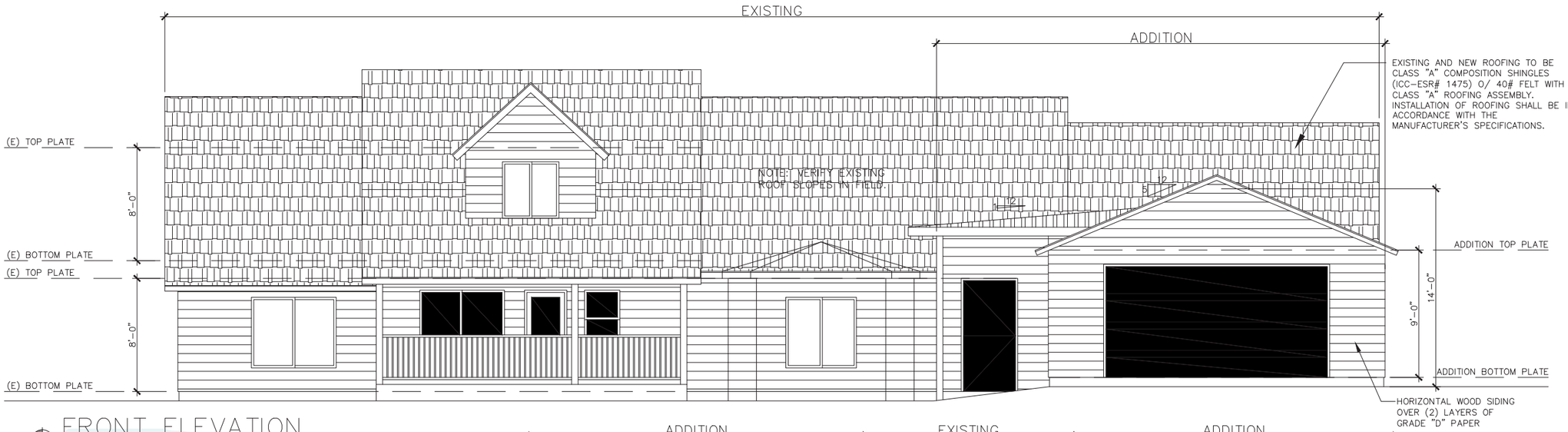
INSTANTANEOUS WATER HEATERS SHALL HAVE ISOLATION VALVES ON BOTH THE COLD AND HOT WATER PIPING LEAVING THE WATER HEATER COMPLETE WITH HOSE BIBS OR OTHER FITTINGS ON EACH VALVE FOR FLUSHING THE WATER HEATER WHEN THE VALVES ARE CLOSED.

ALL DOMESTIC HOT WATER PIPING TO HAVE THE FOLLOWING MINIMUM INSULATION INSTALLED:
1/2" PIPE (1/2" INSULATION); 3/4" PIPE (1" INSULATION); 1" TO 1-1/2" (1-1/2" INSULATION.

BELOW GRADE HOT WATER PIPING IS REQUIRED TO BE INSTALLED IN A WATERPROOF AND NON-CRUSHABLE SLEEVE OR CASING THAT ALLOWS FOR REPLACEMENT OF BOTH THE PIPING AND INSULATION.

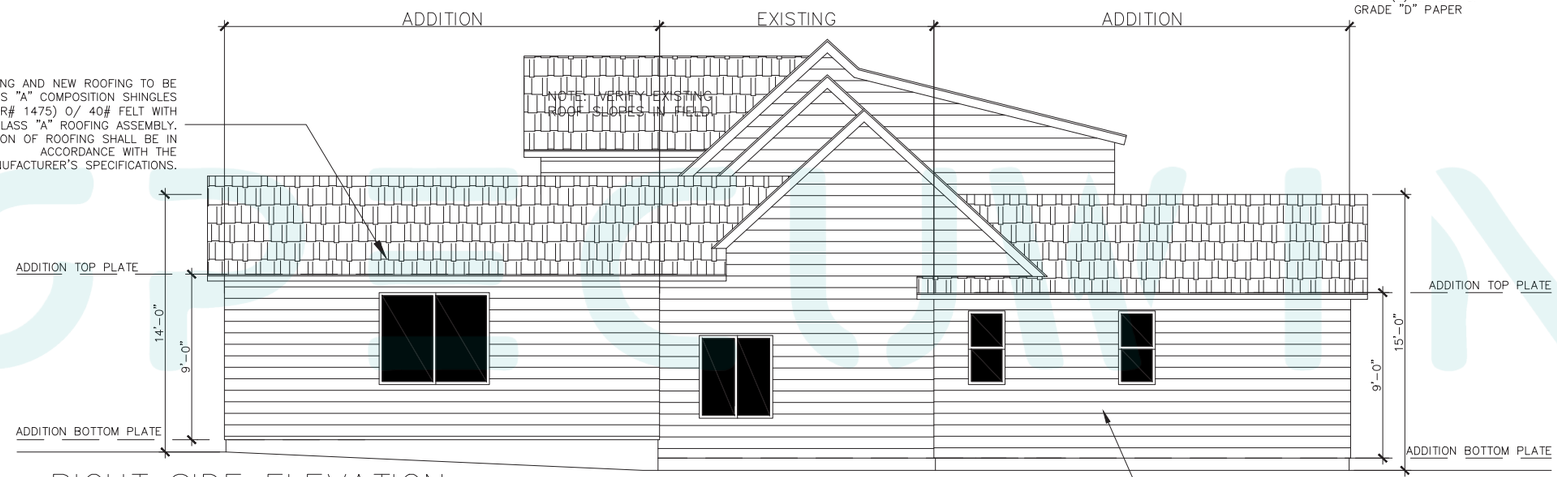
ELECTRICAL LEGEND

	CEILING FAN
	LIGHTING FIXTURE
	CAN LIGHT
	PENDANT LIGHT
	FLORESCENT TUBE LIGHT
FL.	INDICATED FLORESCENT
	EXHAUST FAN
VP	VAPOR PROTECTED
	STANDARD OUTLET
	220 OUTLET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
WP./GFCI	WEATHER PROTECTED G.F.C.I.
	GAS STUB
K	GAS KEY
$	SWITCH
$3	3 WAY SWITCH
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	PHONE
	CABLE



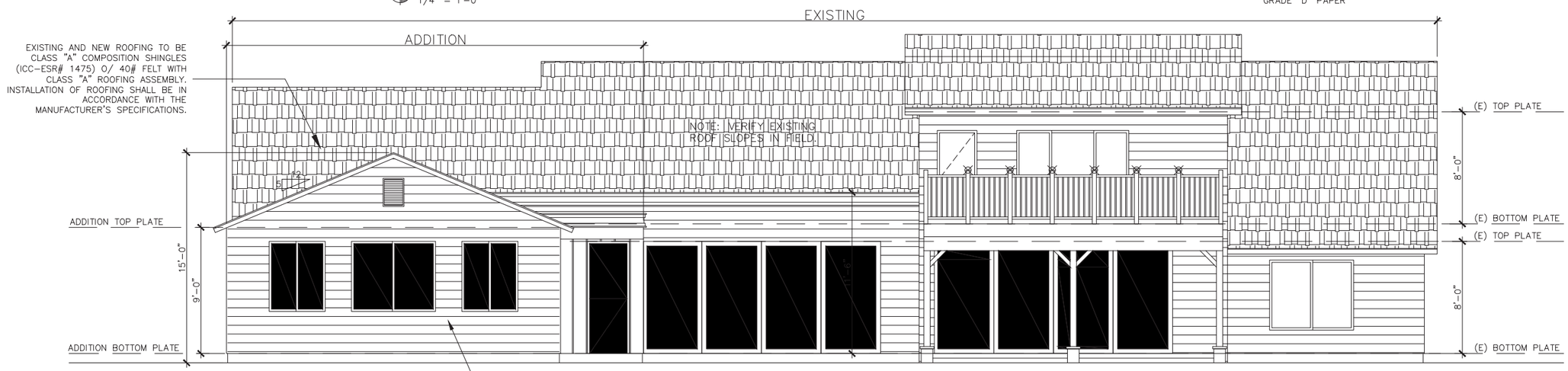
FRONT ELEVATION

1/4" = 1'-0"



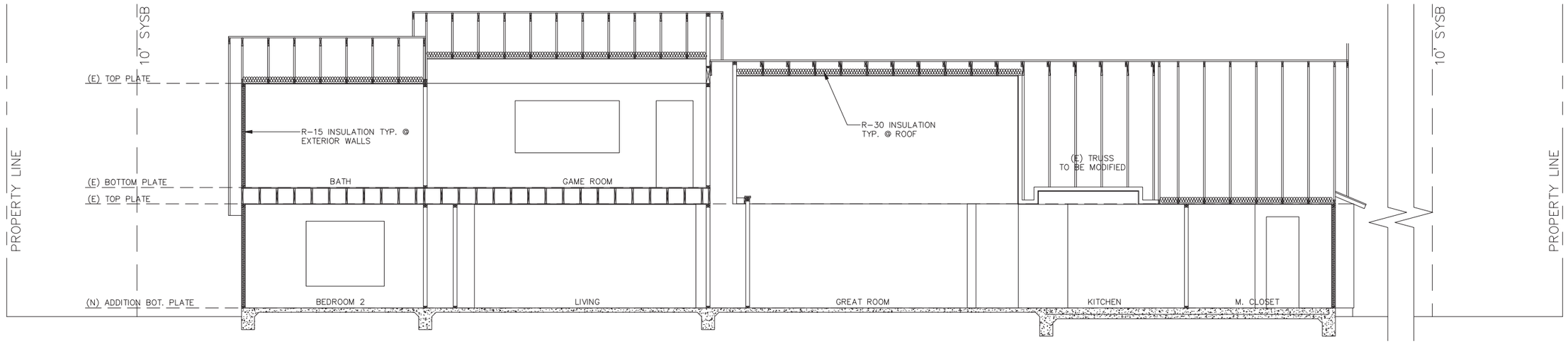
RIGHT SIDE ELEVATION

1/4" = 1'-0"



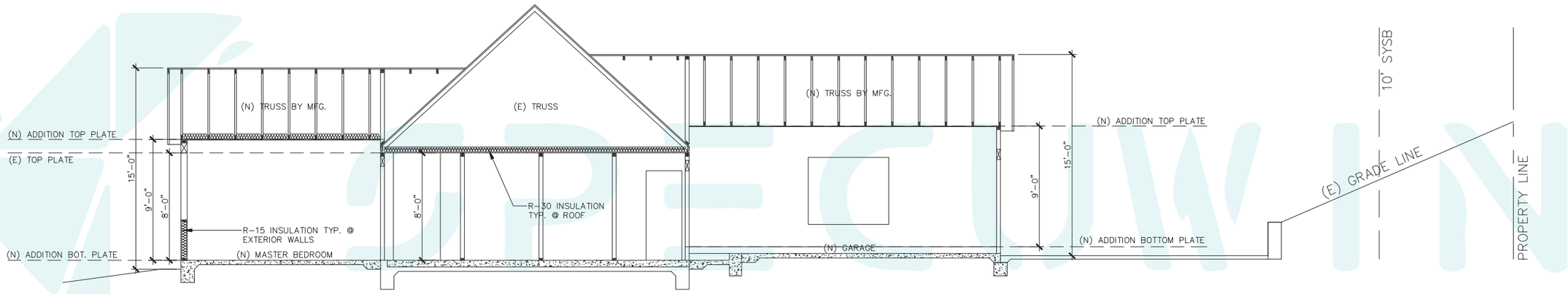
REAR ELEVATION

1/4" = 1'-0"



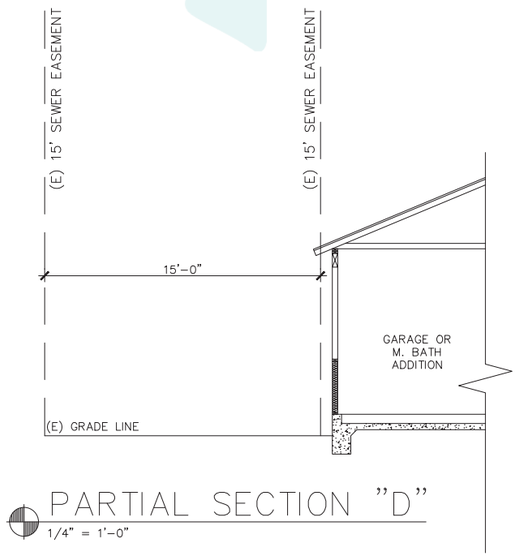
SECTION "A"
1/4" = 1'-0"

NOTE: VERIFY EXISTING ROOF SLOPES IN FIELD.

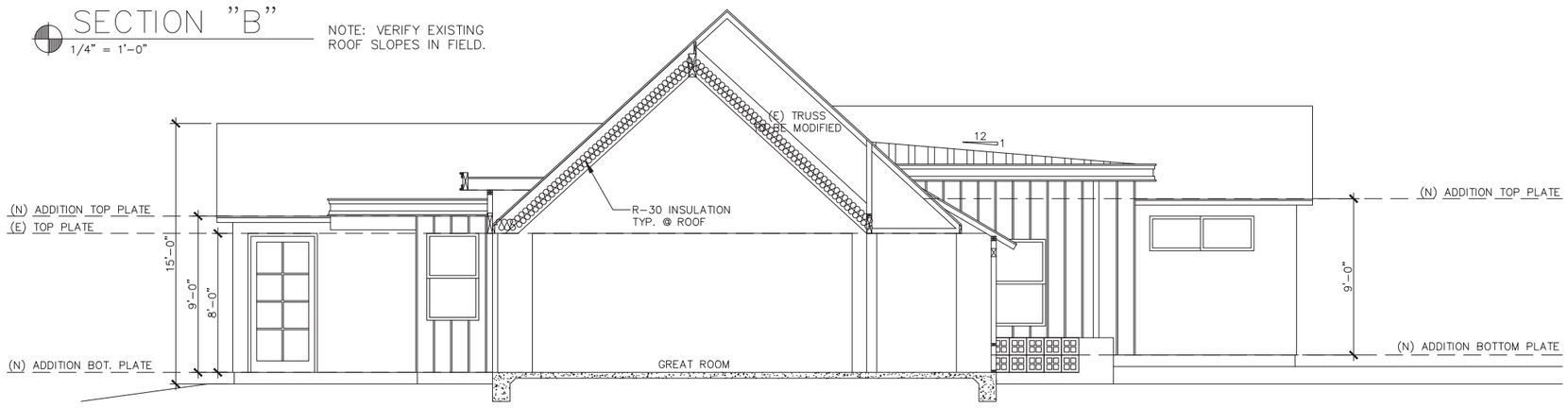


SECTION "B"
1/4" = 1'-0"

NOTE: VERIFY EXISTING ROOF SLOPES IN FIELD.



PARTIAL SECTION "D"
1/4" = 1'-0"



SECTION "C"
1/4" = 1'-0"

NOTE: VERIFY EXISTING ROOF SLOPES IN FIELD.

3

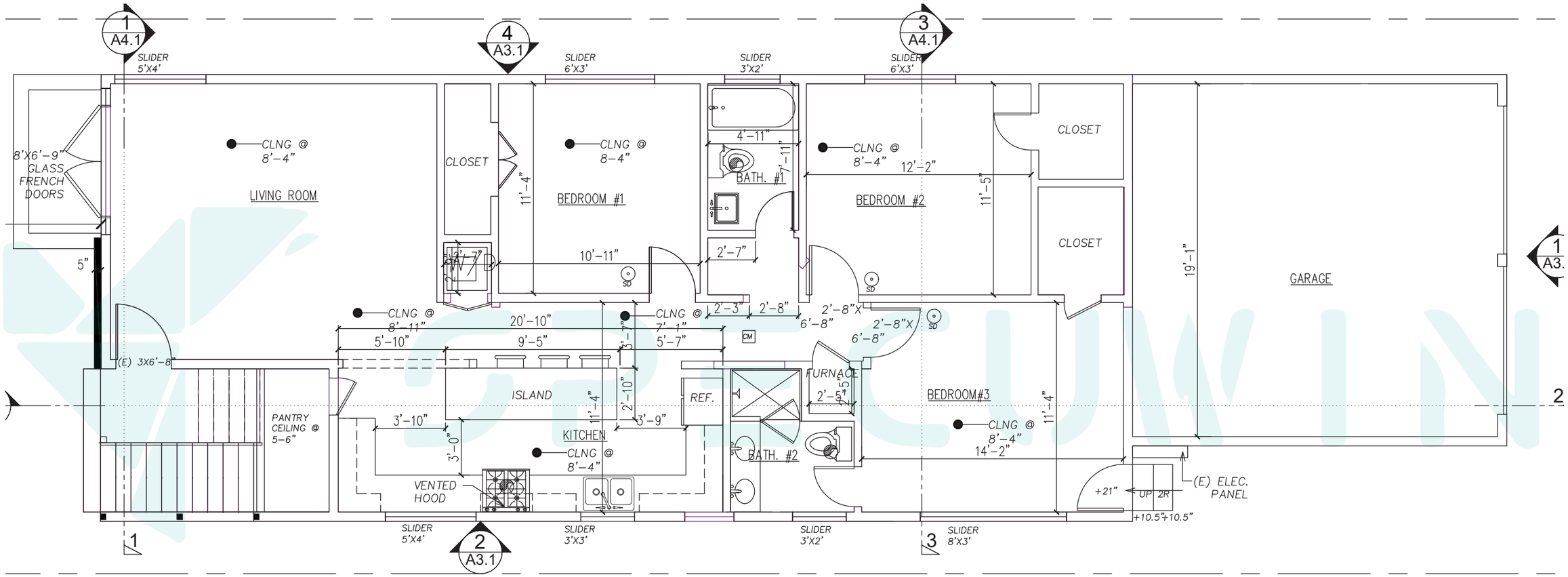
Project	- Pacific Ave
Location	- Los Angeles, California
Software	- AutoCad
Scope of Work	- Construction Document Set

SPECUWIN

1 EXISTING ROOF PLAN

A-2.3 1/4" = 1'-0"

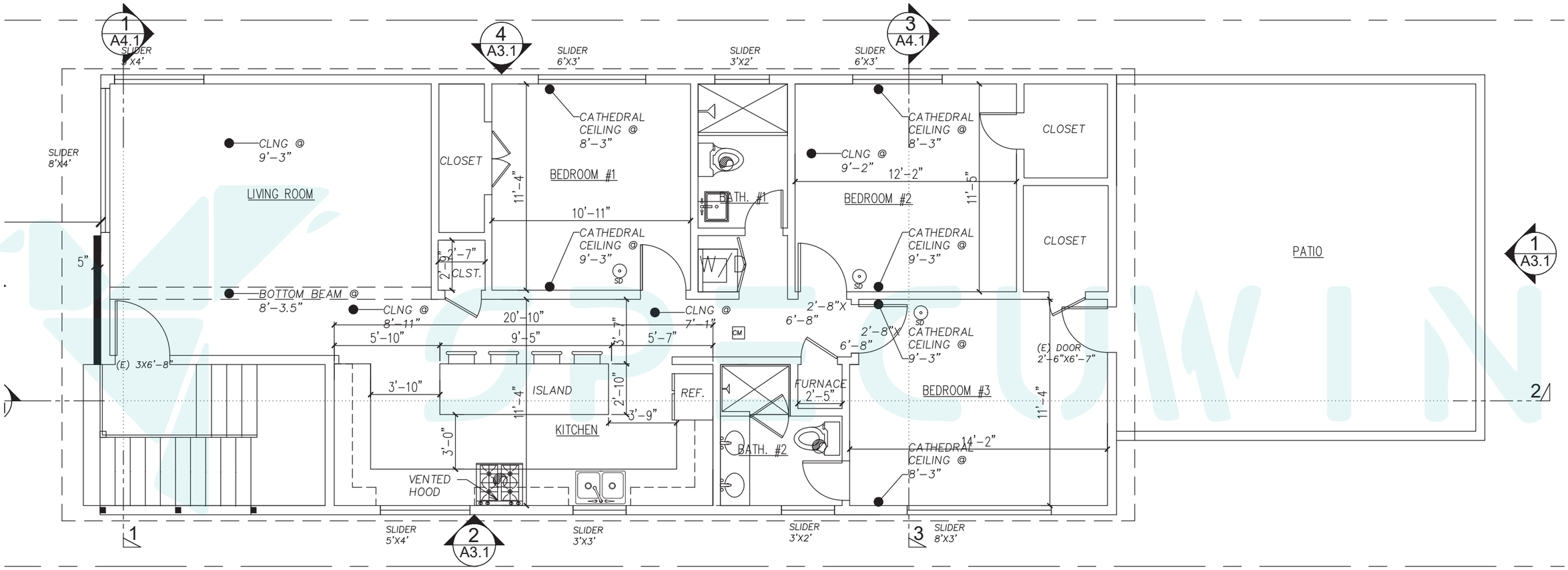
NORTH



1 FIRST FLOOR PROPOSED PLAN

A-2.1 1/4" = 1'-0"

NORTH



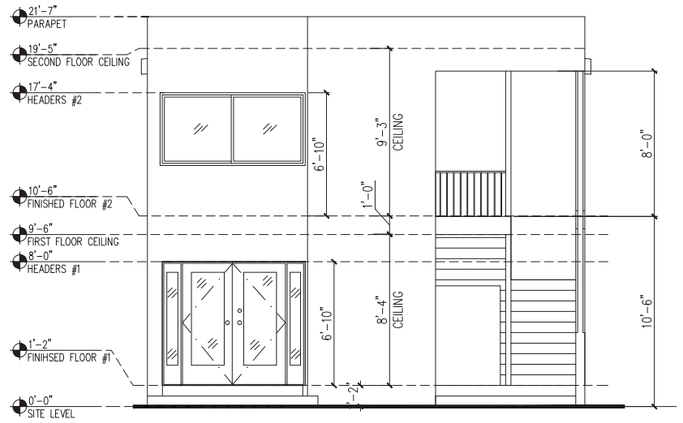
2 SECOND FLOOR PROPOSED PLAN

A-2.1 1/4" = 1'-0"

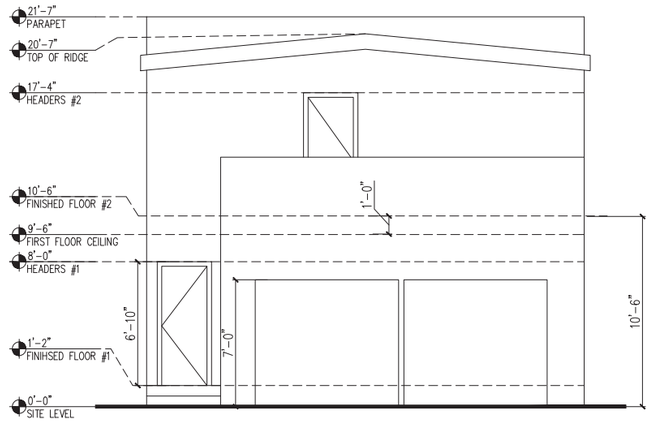
NORTH

LEGEND

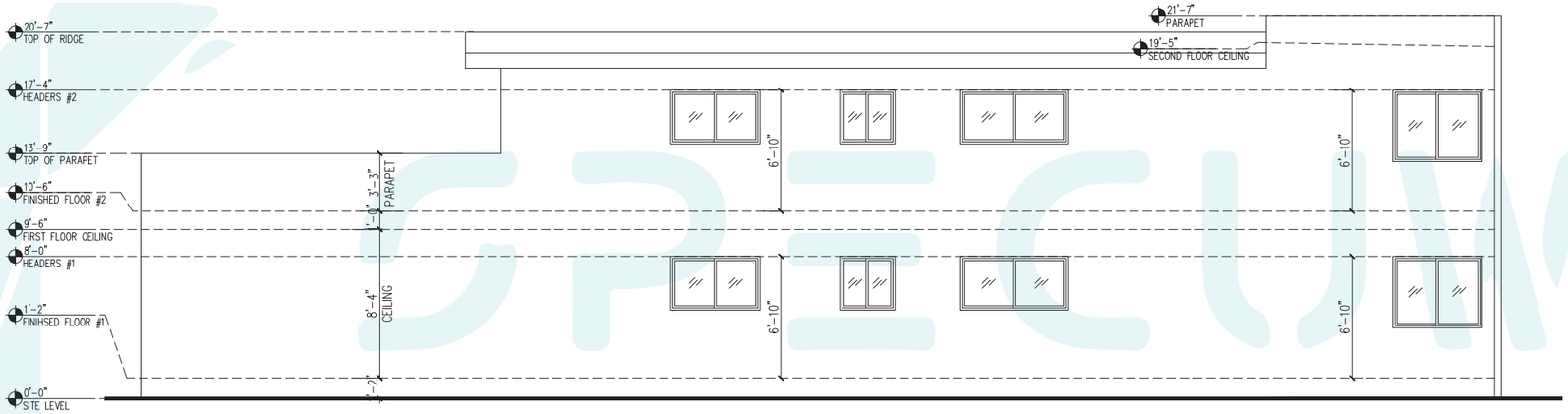
- BUILDING ADDITION
- ITEMS TO BE DEMOLISHED
- NEW WALLS
- EXISTING WALLS
- WALLS/ WINDOWS T BE DEMOLISHED



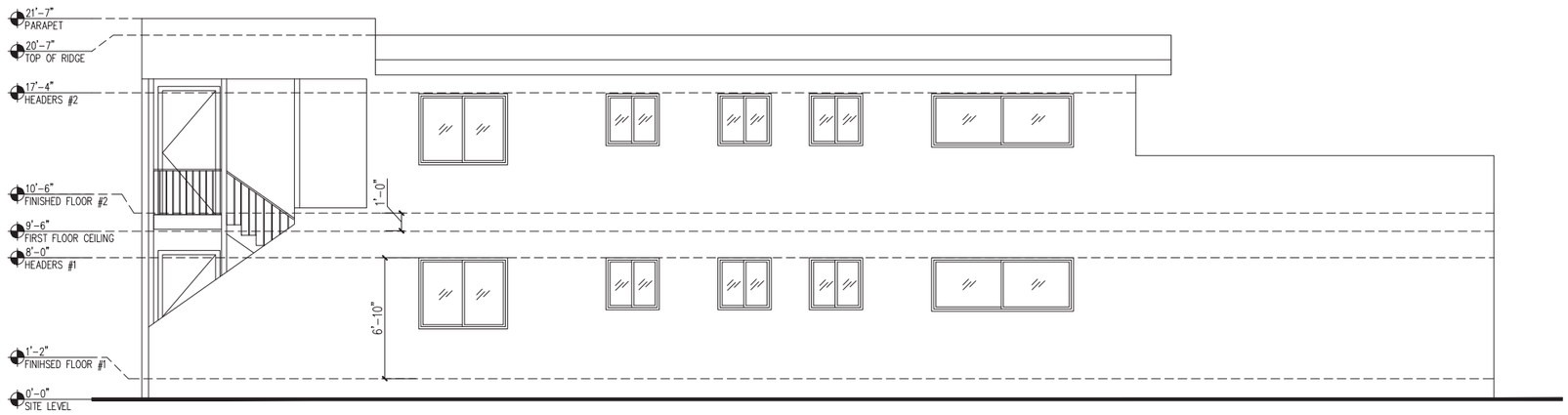
1 FRONT (EAST) EXTERIOR ELEVATION
A-3.1 1/4" = 1'-0"



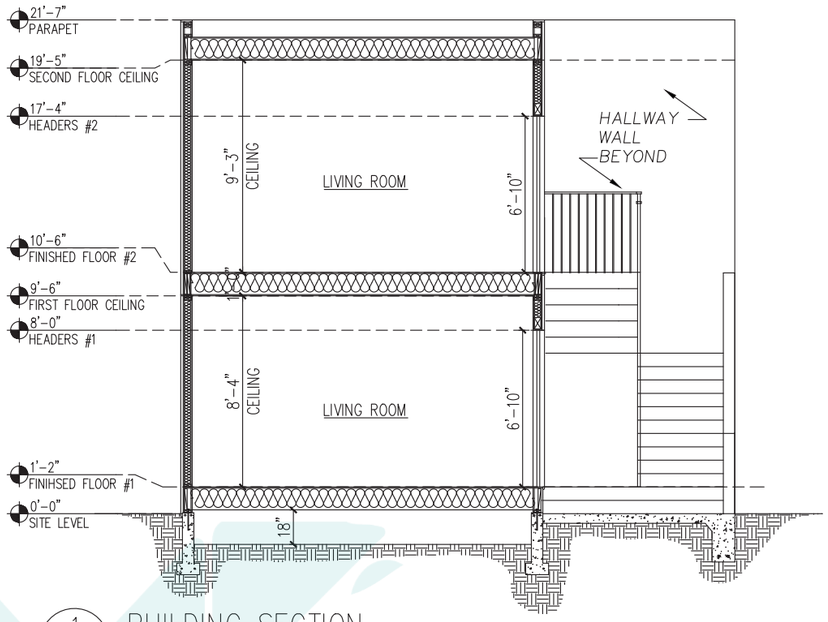
3 BACK (WEST) EXTERIOR ELEVATION
A-3.1 1/4" = 1'-0"



2 LEFT (SOUTH) EXTERIOR ELEVATION
A-3.1 1/4" = 1'-0"

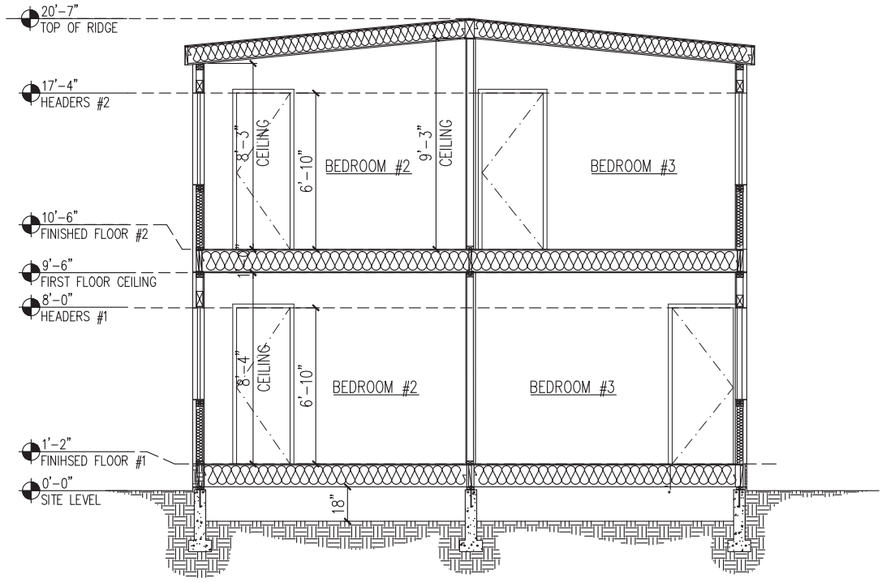


4 RIGHT (NORTH) EXTERIOR ELEVATION
A-3.1 1/4" = 1'-0"



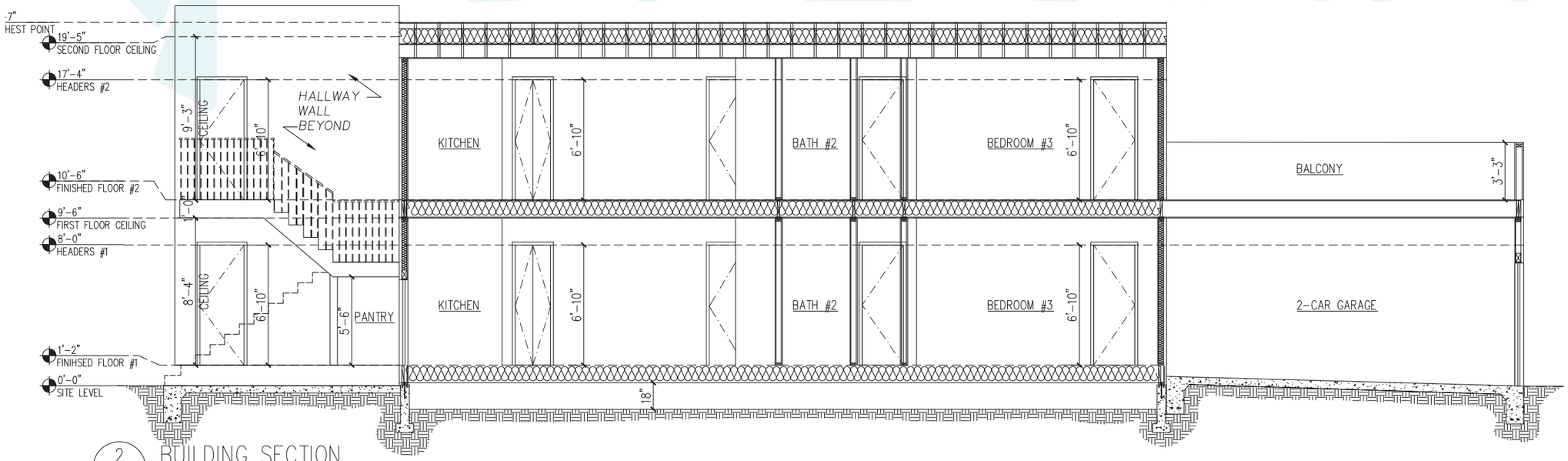
1 BUILDING SECTION

A-4.1 1/4" = 1'-0"



3 BACK (WEST) EXTERIOR ELEVATION

A-4.1 1/4" = 1'-0"



2 BUILDING SECTION

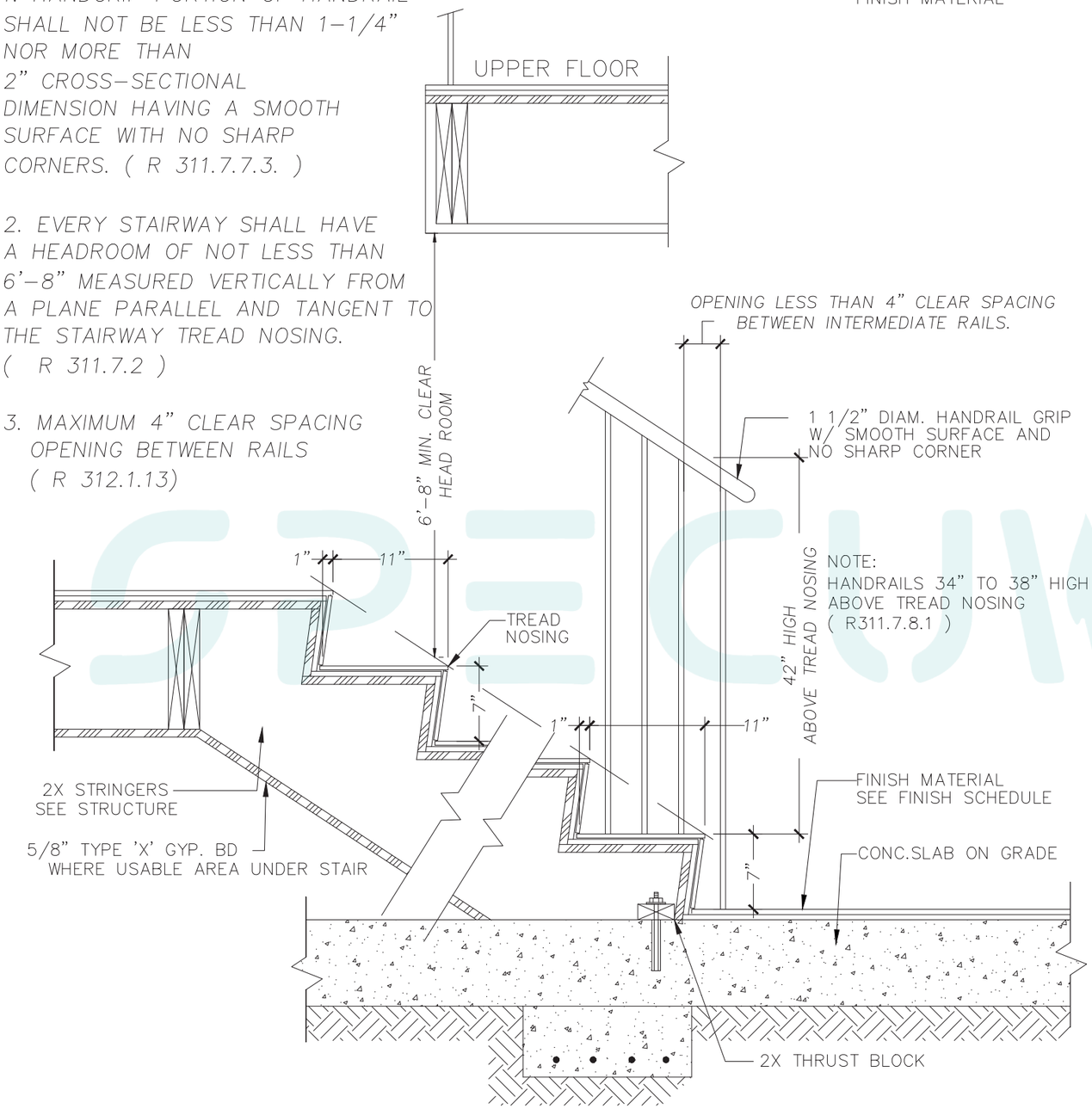
A-4.1 1/4" = 1'-0"

NOTES:

1. HANDGRIP PORTION OF HANDRAIL SHALL NOT BE LESS THAN 1–1/4" NOR MORE THAN 2" CROSS–SECTIONAL DIMENSION HAVING A SMOOTH SURFACE WITH NO SHARP CORNERS. (R 311.7.7.3.)

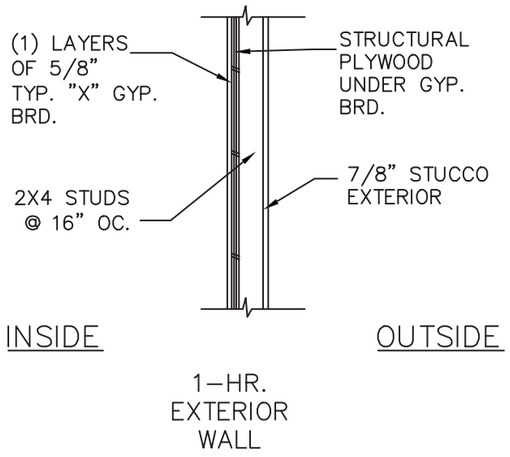
2. EVERY STAIRWAY SHALL HAVE A HEADROOM OF NOT LESS THAN 6'–8" MEASURED VERTICALLY FROM A PLANE PARALLEL AND TANGENT TO THE STAIRWAY TREAD NOSING. (R 311.7.2)

3. MAXIMUM 4" CLEAR SPACING OPENING BETWEEN RAILS (R 312.1.13)



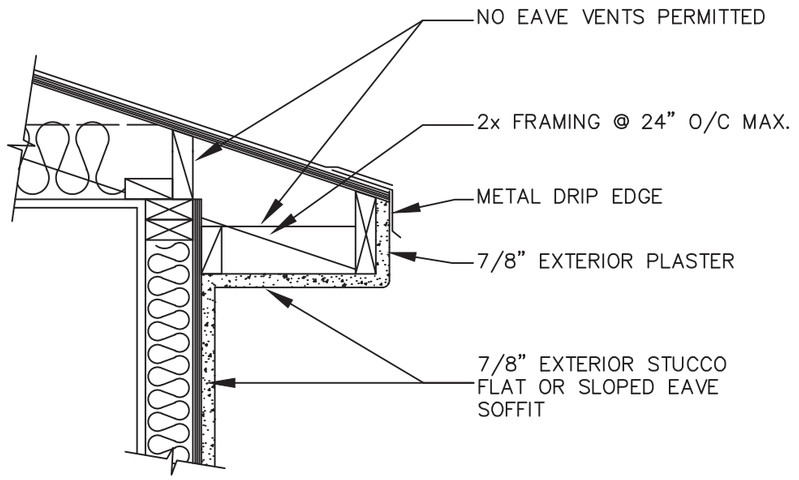
4 STAIRWAY

SCALE: NTS



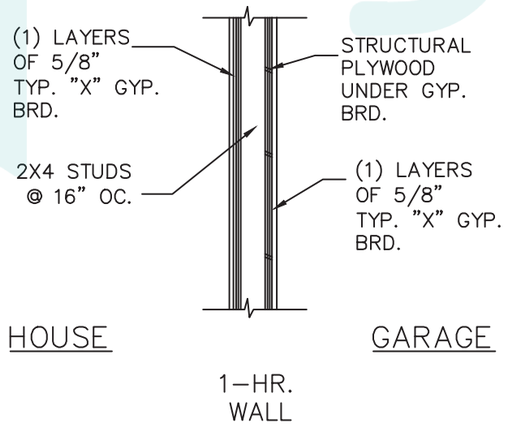
3 / A2.1 — 1-HR. EXTERIOR WALL DETAIL

N.T.S.



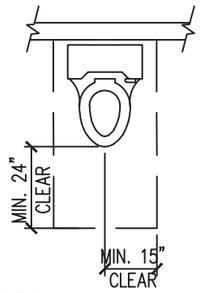
5 / A2.1 — 1 HR. RATED ROOF PROJECTION

N.T.S.



4 / A2.1 — 1-HR. GARAGE WALL DETAIL

N.T.S.



NOTE:
NEW WATER CLOSETS SHALL BE LOCATED IN A CLEAR SPACE NOT LESS THAN 30 INCHES IN WIDTH AND HAVE A CLEAR SPACE IN FRONT OF THE WATER CLOSET STOOL OF NOT LESS THAN 24 INCHES.

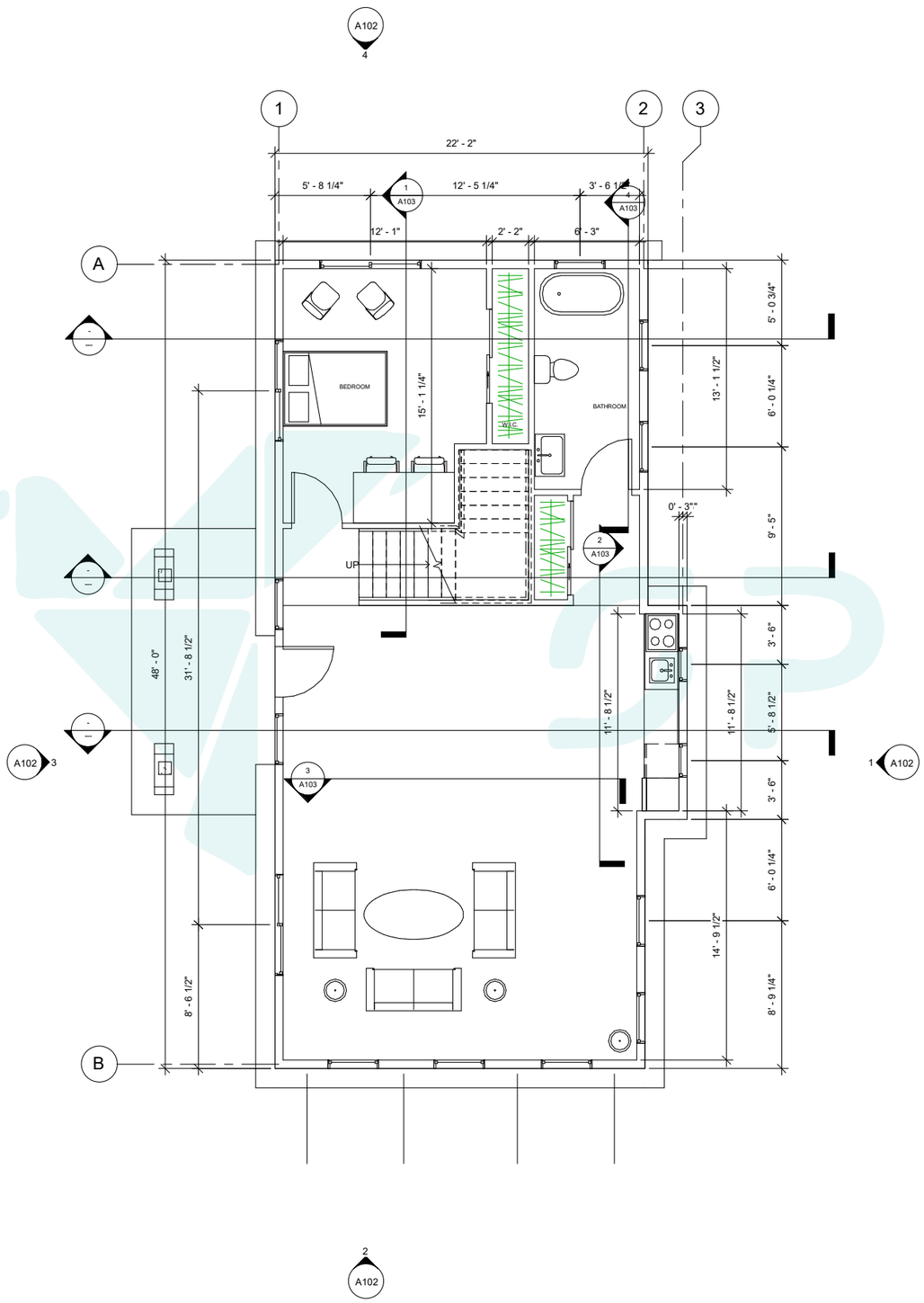
6 / A2.1 — TOILET CLEARANCE

N.T.S.

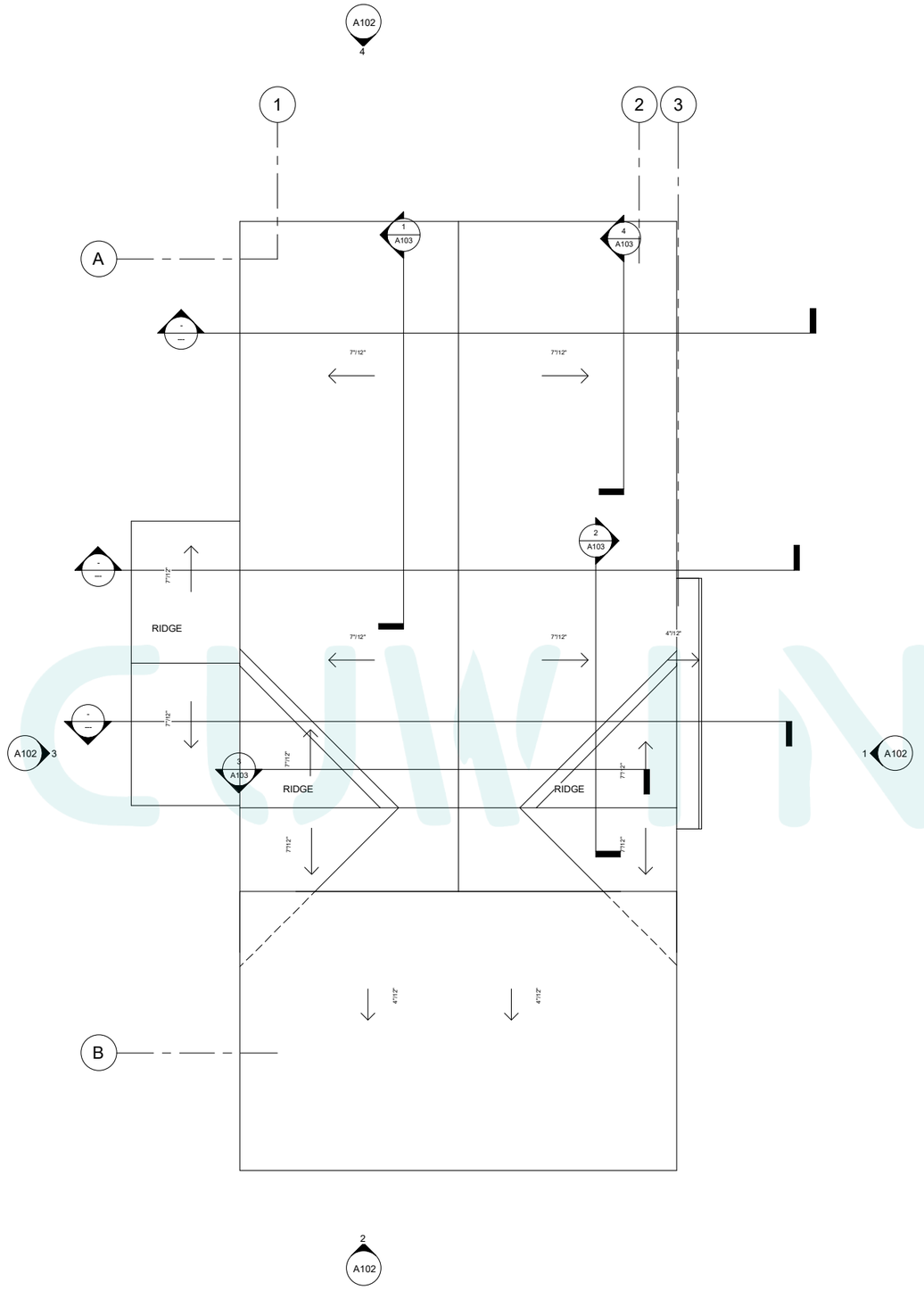
4

Project	- Residential
Location	- San Diego, California
Software	- Revit
Scope of Work	- 3D Modelling & Drafting

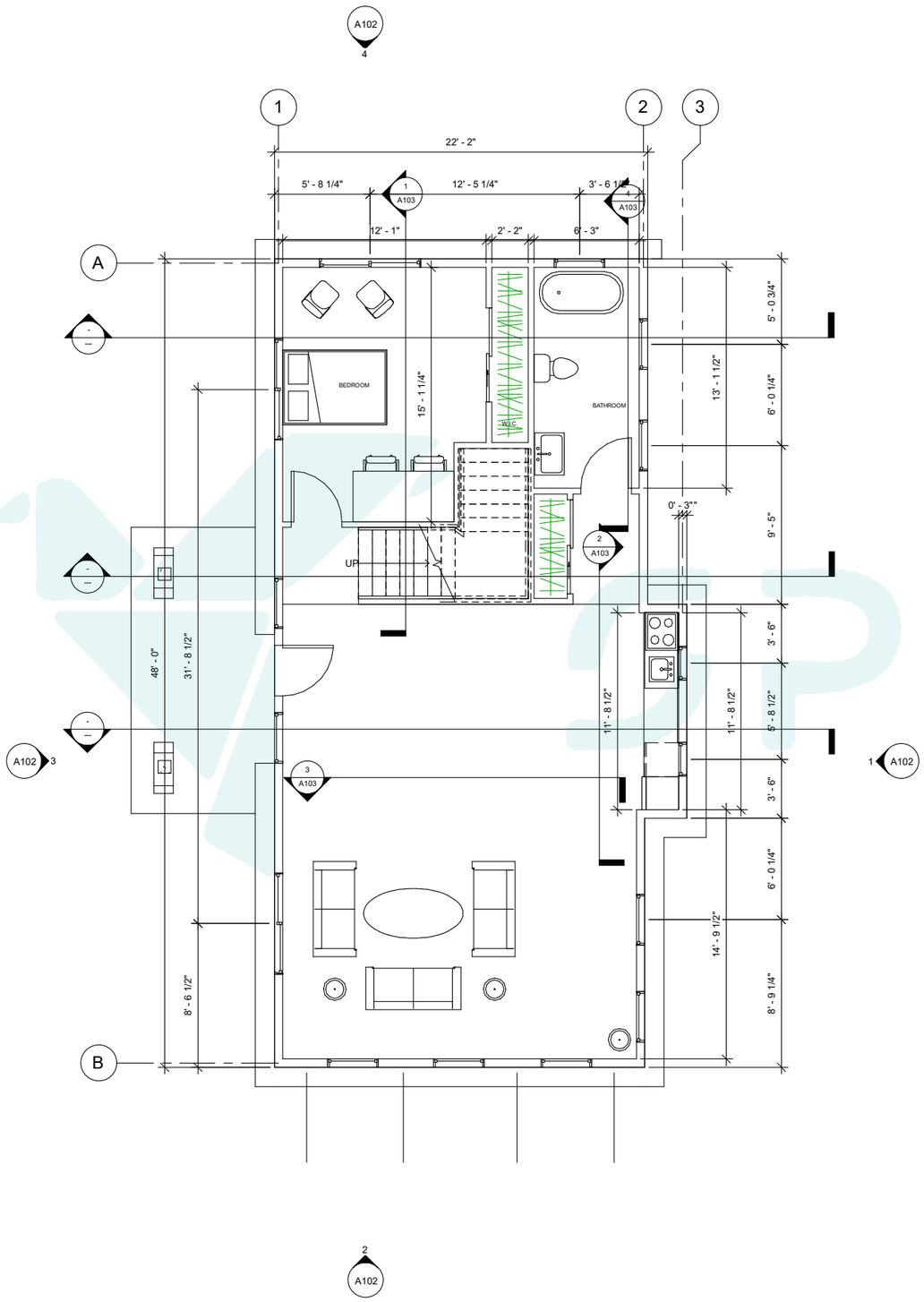
SPECUWIN



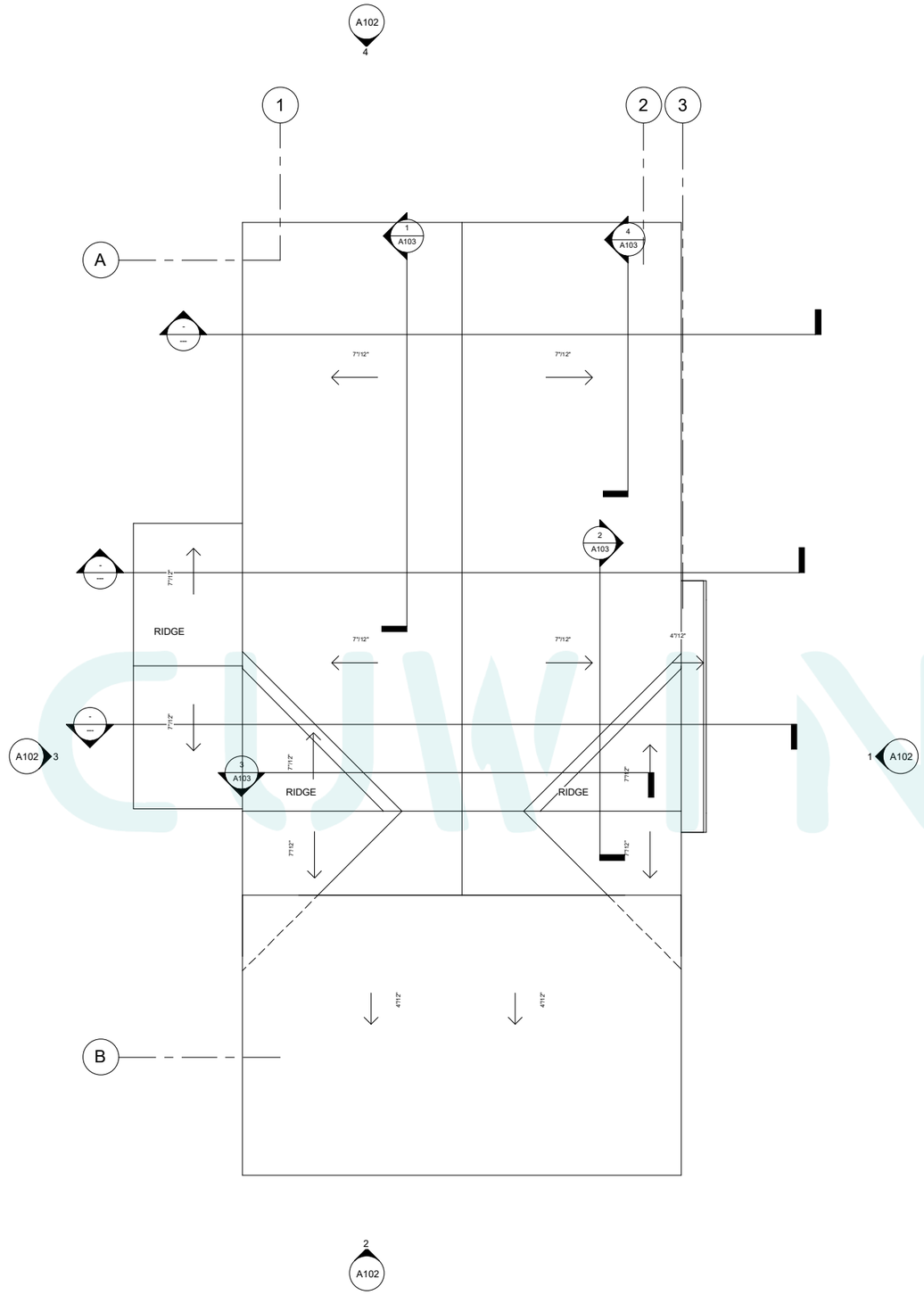
1 Level 1
1 : 50



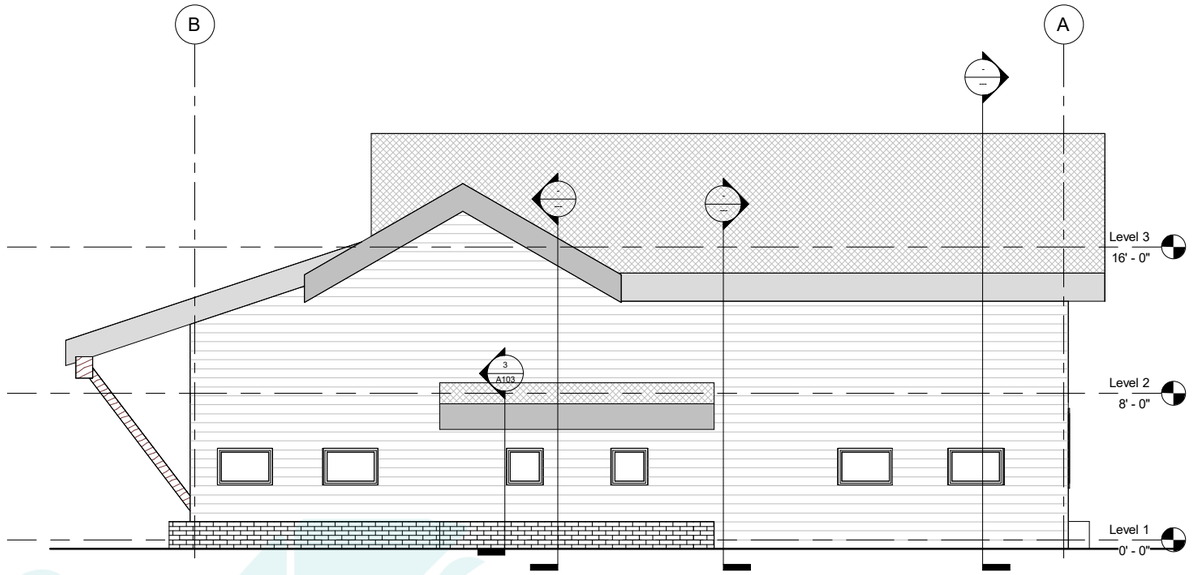
2 Site
1 : 50



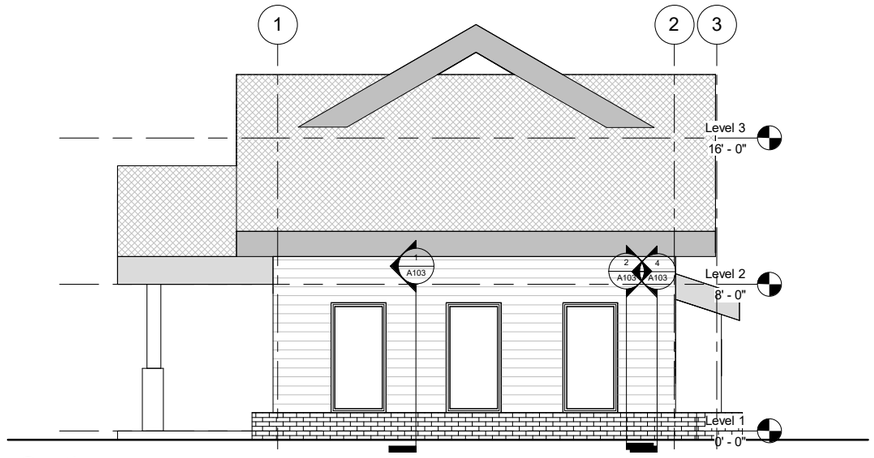
1 Level 1
1 : 50



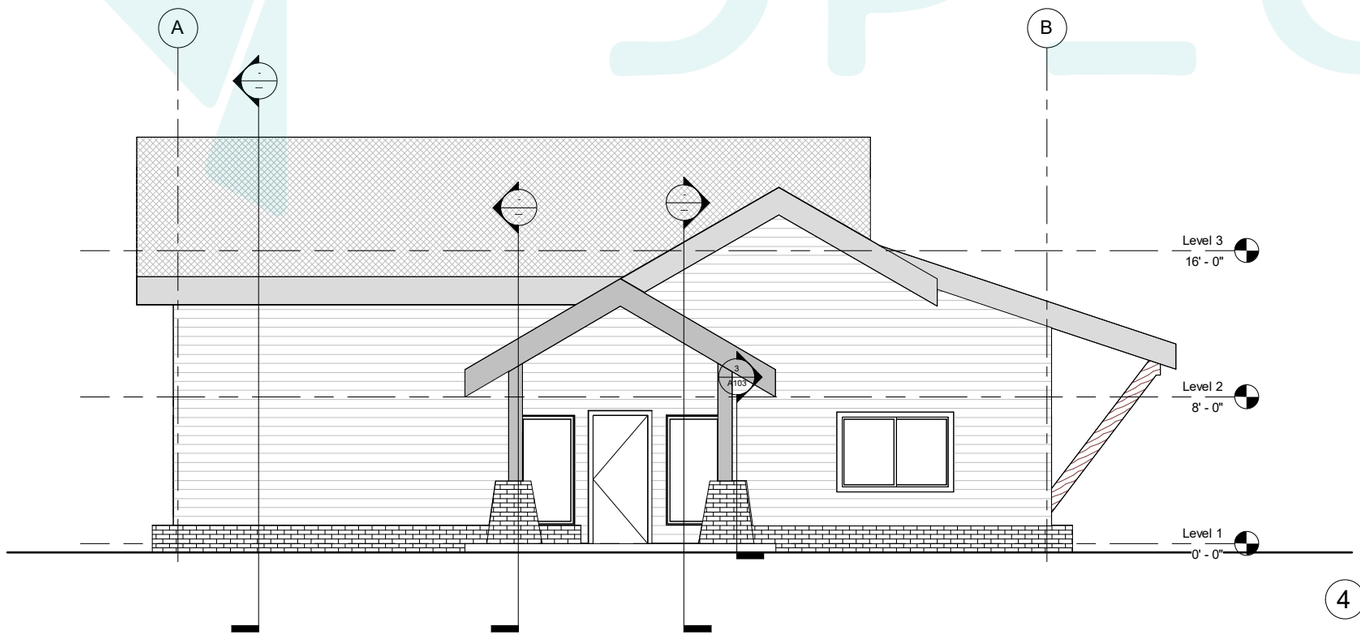
2 Site
1 : 50



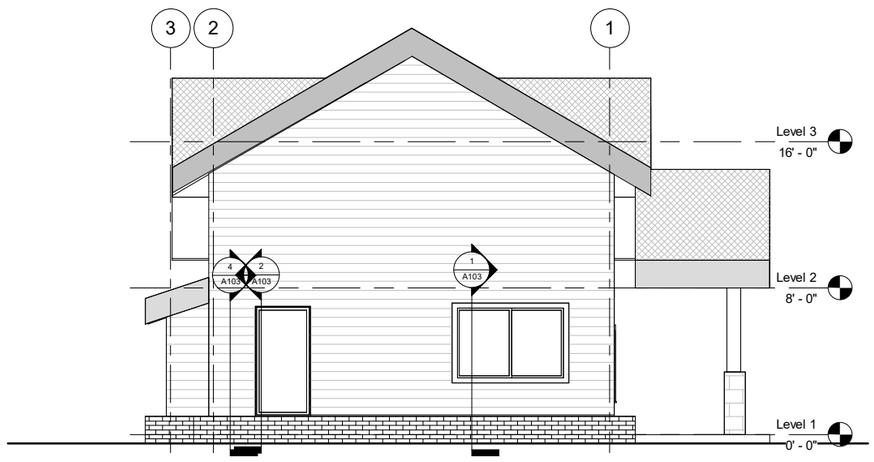
1 East
1 : 50



2 South
1 : 50



3 West
1 : 50



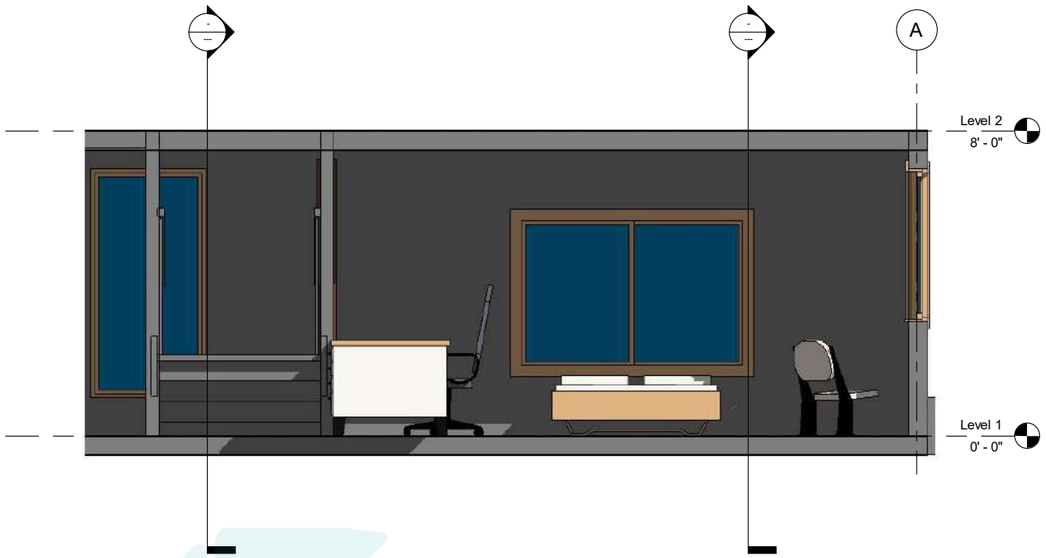
4 North
1 : 50

1 3D Ortho 1

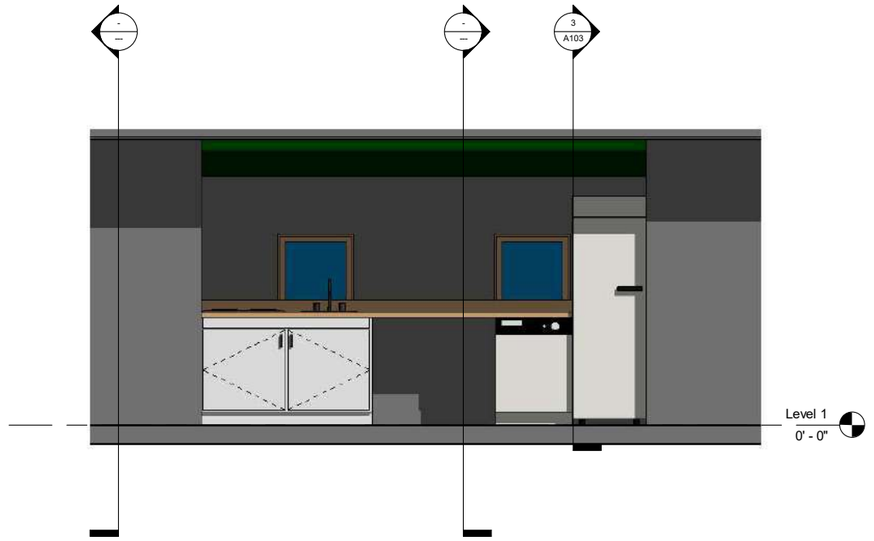
2 3D Ortho 2

3 3D Ortho 3

4 3D Ortho 4

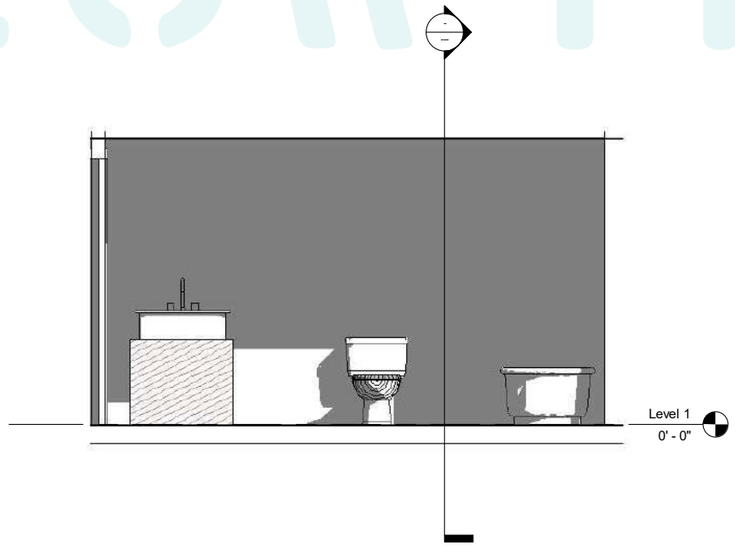


1 Bedroom
1 : 25



2 Kitchen
1 : 25

3 Living Room
1 : 25



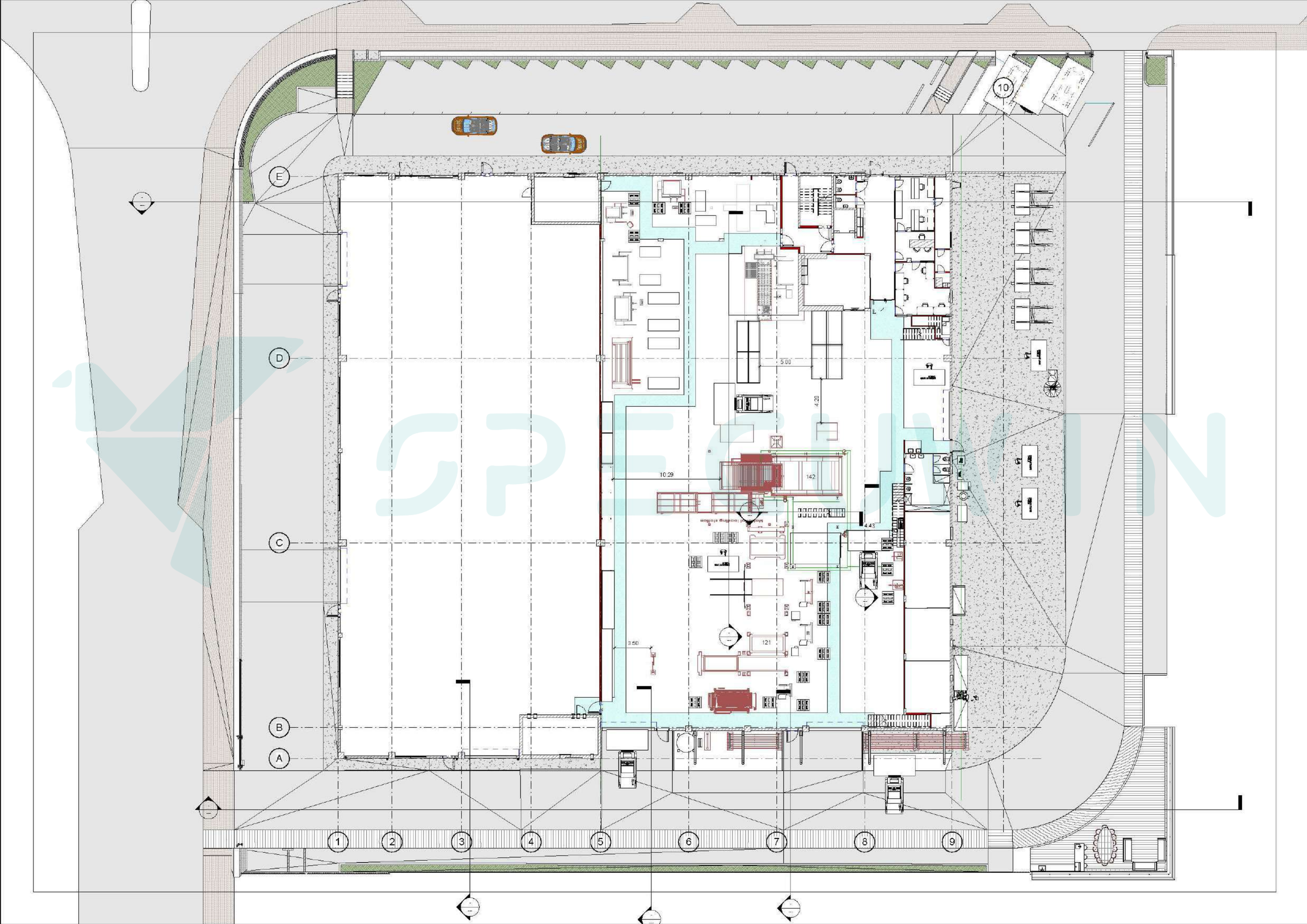
4 Washroom
1 : 25

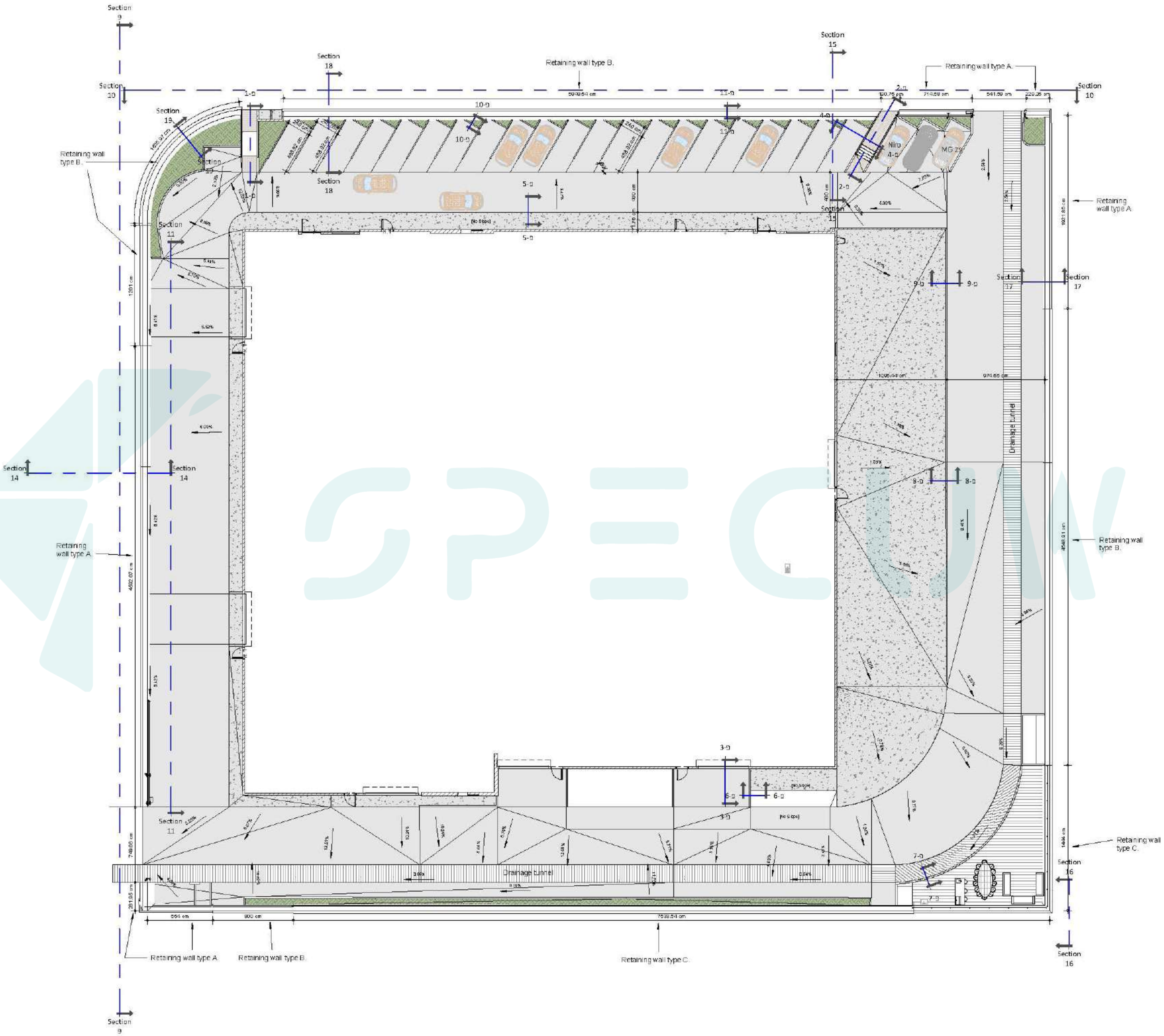
5

Project	- Commercial
Location	- Israel
Software	- Revit
Scope of Work	- 3D Modelling, Drafting and Project Management

---

SPECUWIN


E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
5.00
4.20
10.29
142
4.43
121
3.50



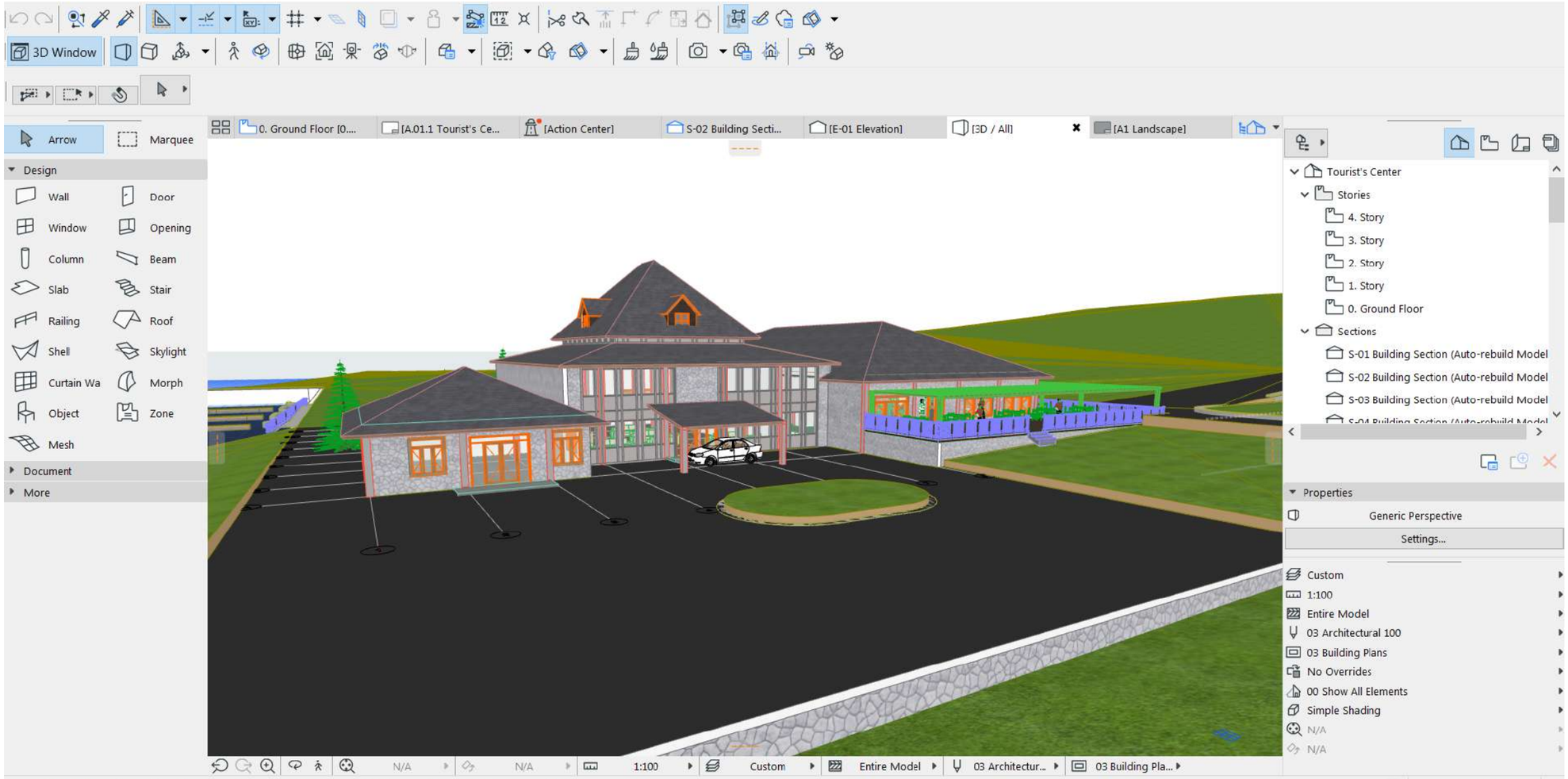
Section 9
Section 10
Section 18
Retaining wall type B.
Section 15
Retaining wall type A.
Section 10
Section 19
Retaining wall type B.
Section 11
Niro
MG ZS
Retaining wall type A.
Section 17
Drainage tunnel
Section 14
Retaining wall type A.
Retaining wall type B.
Drainage tunnel
Retaining wall type C.
Section 16
Retaining wall type A.
Retaining wall type B.
Retaining wall type C.

SPECUWIN

BIM MODELING

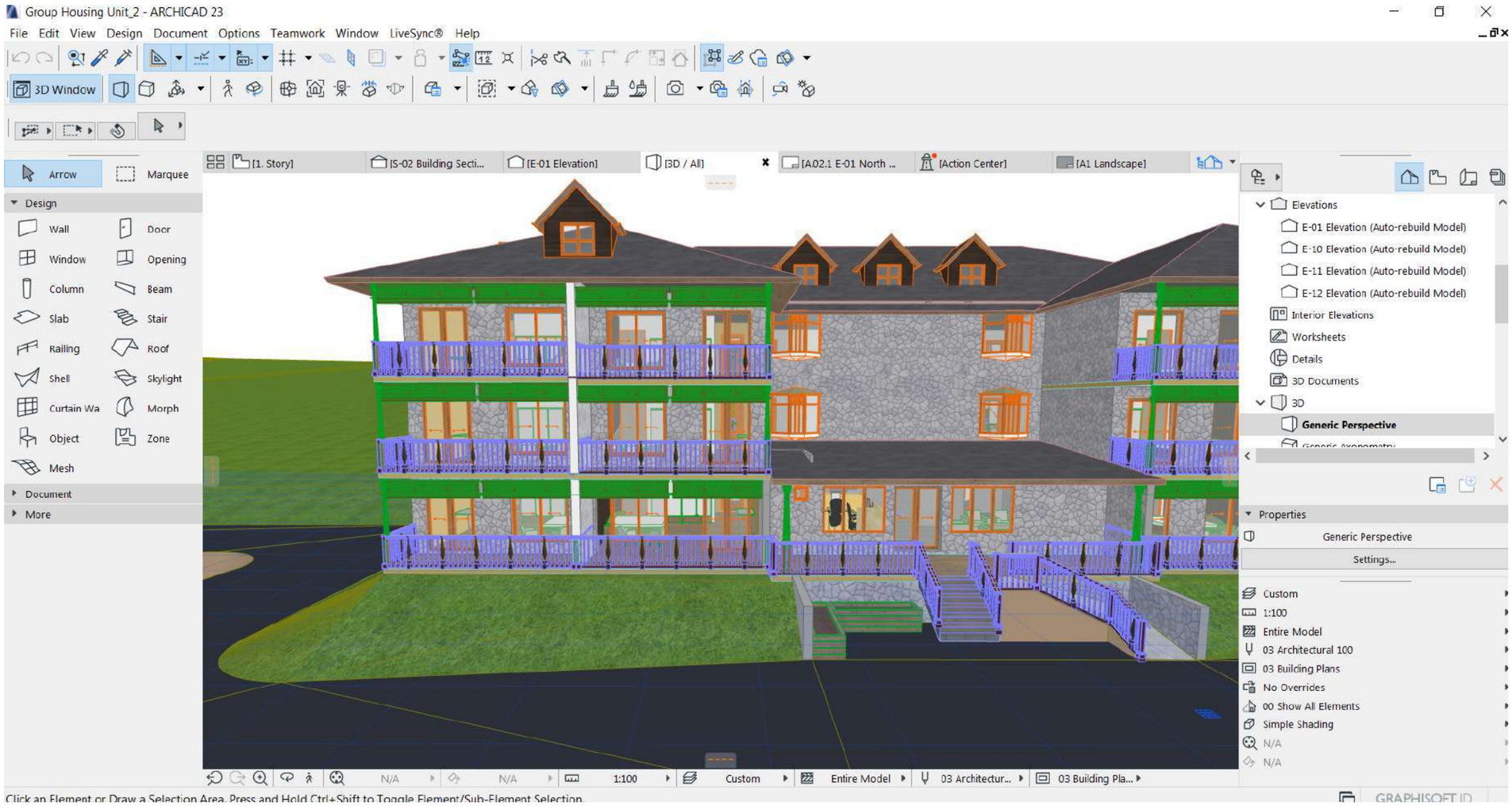
Project - Tourist Information Center

Location - Himachal Pradesh, India



Project - Tourist Information Center

Location - Himachal Pradesh, India



“Unlocking Architectural Potential, Together”

@tag.atelier @pinnacle_iit
enquiry.pinnacle.tag@gmail.com
+91 9855520392

SPECUWIN

“Unlocking Architectural Potential, Together”

SPECUWIN

RENDERINGS and VR

Unleash the Potential of Virtual Reality (VR) in Architecture!

VR is revolutionizing architecture, offering precise design visualization and immersive experiences. Architects, designers, and clients can step into virtual environments with lifelike details and high-resolution displays, enhancing the design process. Here's why VR is a game-changer in architecture:

Precise Design Visualization: VR provides stunning detail and accurate scale with resolutions up to 4K or higher. Proportions, spatial relationships, and material finishes can be assessed with exceptional accuracy.

Realistic Simulation: VR creates lifelike simulations of lighting, materials, and textures. Rendering techniques and material mapping ensure virtual spaces closely resemble the final built environment.

Enhanced Client Engagement: VR immerses clients in interactive experiences, allowing them to explore spaces and provide valuable feedback. Motion simulations and accurate tracking enable realistic walk-throughs.

Seamless Collaboration: VR enables real-time collaboration among stakeholders. Virtual models can be shared, reviewed, and modified within the immersive environment, enhancing communication and decision-making.

Iterative Design Exploration: VR facilitates rapid exploration of multiple design iterations. Intuitive interfaces and controllers empower designers to manipulate elements and experiment with layouts, materials, and configurations.

Error Detection and Risk Mitigation: VR identifies design flaws and clashes early on, saving time and resources. Architects can analyze circulation, assess conflicts, and evaluate accessibility with precision.

Immersive Marketing: VR offers captivating virtual tours and walkthroughs for marketing and pre-sales. Prospective buyers can experience photorealistic environments, visualizing themselves within the spaces.

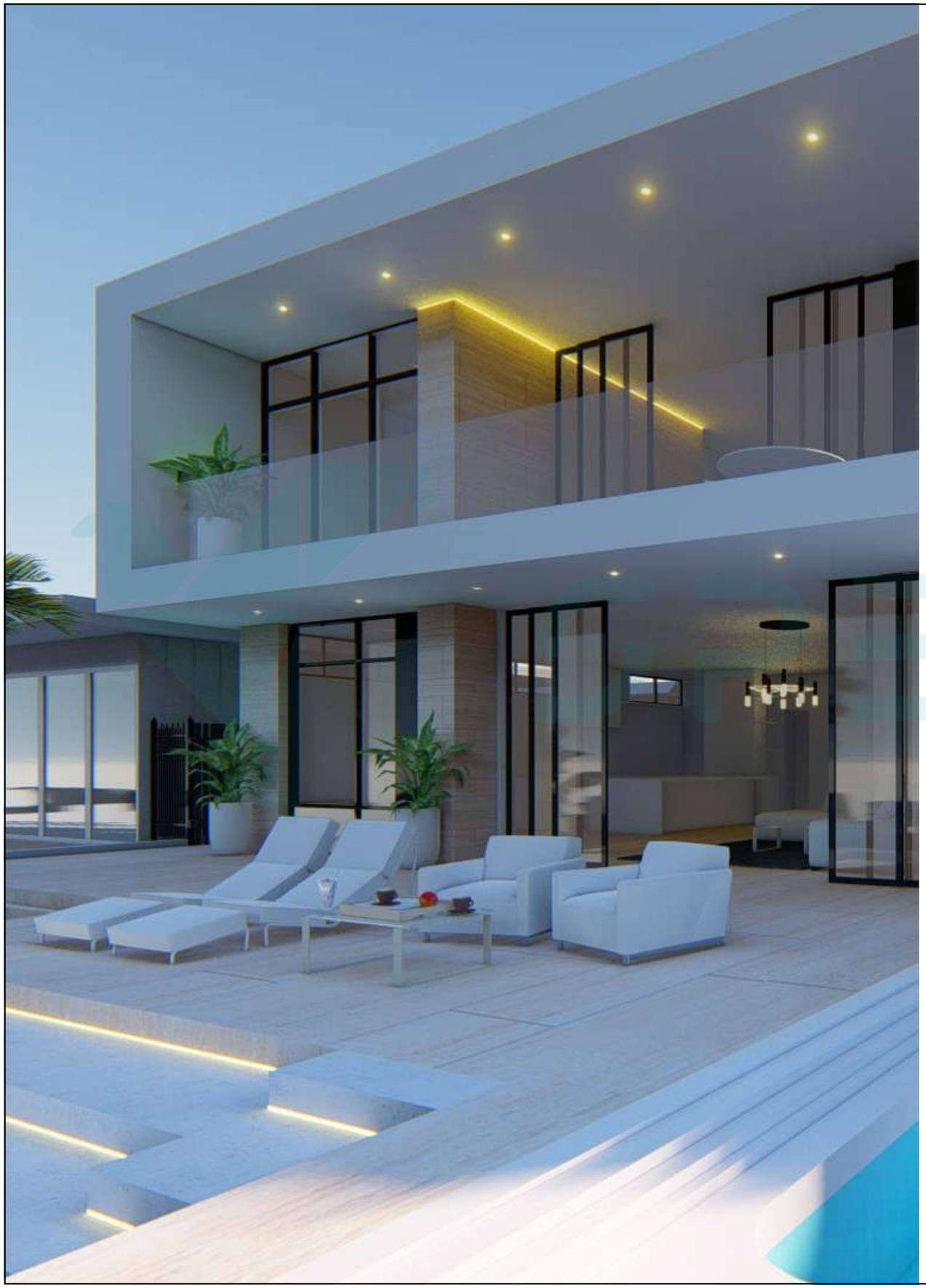
In summary, VR transforms architecture with precise visualization, immersive experiences, and streamlined collaboration. Its applications range from design assessment to client engagement, error detection, and immersive marketing. Architects and designers can bring their visions to life, delivering exceptional architectural experiences through the power of VR.

SPECUWIN

Project El Nido's Residence
Location Los Angeles, California
Typology Visualisation

Project	La Jolla Beach House
Location	Carlsbad, California
Typology	Visualisation

Project Tourist Information Center
Location Himachal Pradesh, India
Typology 3D Modeling , Visualisation



Project	Reef House
Location	Carlsbad, California
Typology	Visualisation

SPECUWIN

Project Madison Street Apartments
Location Carlsbad, California
Typology Visualisation

Project Pine Street Villa
Location Carlsbad, California
Typology Visualisation

Project	James Royce Rug Gallery
Location	Los Angeles, California
Typology	Revit Modelling + Visualisation
Publications	Architectural Record Archello

Project	Beach House
Location	Carlsbad, California
Typology	Visualisation

Project Idea Competition (Under AJAK Architects)
Location Oulu, Finland
Typology Visualisation

Project Koskela Apartments (Under AJAK Architects)
Location Helsinki, Finland
Typology Visualisation

SPECUWIN

INTERIOR RENDERINGS

Project World Trade Center Interiors (Thesis Project)
Location India
Typology Visualisation

Project World Trade Center Interiors (Thesis Project)
Location India
Typology Visualisation

Project World Trade Center Interiors (Thesis Project)
Location India
Typology Visualisation

Project	Proposed Washroom (Ongoing Project)
Location	Delhi, India
Typology	Designing and Visualisation

BEDROOM INTERIOR DESIGN

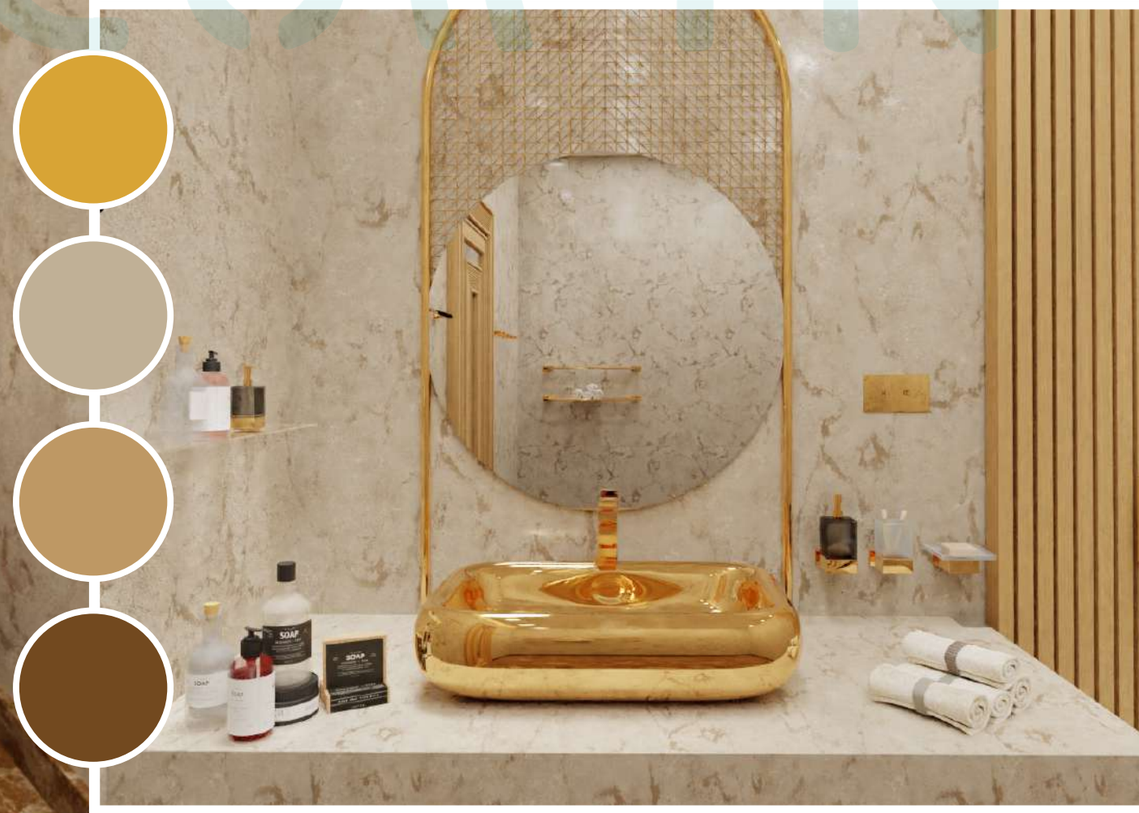
CONTEMPORARY STYLE

"Lighting is not so much something that reveals, as it is itself the revelation."

BATHROOM INTERIORS

POST MODERNISM STYLE

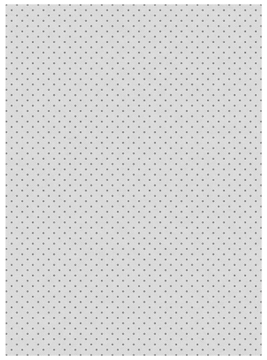
"Simplicity carried to an extreme becomes elegance"



SPECUWIN

LIVING ROOM INTERIORS

TRANSITIONAL STYLE

"Combining traditional elegance and character with contemporary updates in the form of accessories, cleaner lines and current textiles."

SPECUWIN

BEDROOM INTERIORS

FRENCH STYLE



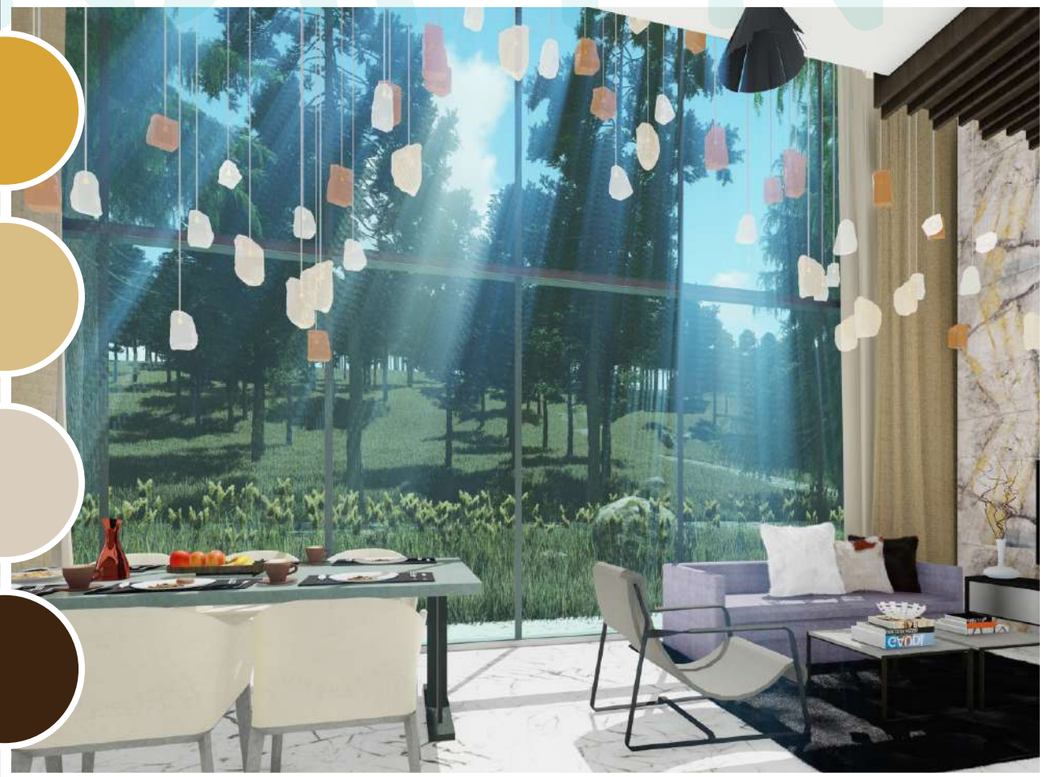

"A room should never allow the eye to settle in one place. It should smile at you and create fantasy"

LIVING ROOM INTERIORS

ART DECO STYLE




"Feel at ease - at temple of your soul designed by us."



SPECUWIN

Elevate your construction efficiency through digitalization.

@specuwin

contact@specuwin.com

+91 9855520392

SPECUWIN

“Unlocking Architectural Potential, Together”

Point Cloud Tech.

Unlock the Power of 3D BIM Modeling with Revit and Experience Digital Transformation in Construction!
Are you looking for a cutting-edge solution to streamline your construction projects? Look no further! Our expert team specializes in creating highly accurate 3D BIM models using Revit, revolutionizing the way you approach design and construction.

Our advanced Point Cloud to Revit workflow allows us to transform raw data into detailed 3D models swiftly and efficiently. With our service, you can expect fast turnaround times without compromising on precision. Our models adhere to strict tolerances, ensuring an accuracy of 1/2” in Imperial Units or 1 cm in Metric Units.

The output files we provide include comprehensive deliverables to support your project. You’ll receive detailed .dwg files for both the floor plan and ceiling plan, a fully editable Revit file, and 3D basic render images to visualize your design. Our team utilizes industry-leading software such as Autodesk Revit, Recap, TrueView, and Navisworks to deliver exceptional quality and identify clashes in the model effectively.

With a proven track record of successfully completing numerous large-scale projects, we guarantee that your project will be handled with utmost expertise and attention to detail. Our experienced professionals have the skills and knowledge to bring your vision to life, ensuring the best possible outcome for your construction endeavors.

Embrace the future of construction with our 3D BIM modeling service. Contact us today to discuss your project requirements and unlock a world of possibilities!

Our services provide significant cost savings, with clients enjoying a reduction of 30% to 40% compared to in-house production.

Standard-compliant drawings for the USA, Europe, Canada, and India.

Our agile team consists of 40 skilled architects, engineers, and designers, each bringing their unique expertise to the table.

SPECUWIN

SPECUWIN

Elevate your construction efficiency through digitalization.

@specuwin

contact@specuwin.com

+91 9855520392