

GENERAL CONSTRUCTION REQUIREMENTS

3.02 INSTALLATION (cont.)

- E. Manufacturer's Recommendations
- The manufacturer's recommended methods of installation shall be the basis for acceptance or rejection of actual installation used in this work.
- The architectural general notes refer to various professional trade association manuals and publications. The Contractor and Subcontractors shall be familiar with and refer to the trade publications relating to their work.
- F. Other Standards
- In addition to complying with pertinent codes and regulations, the Contractor shall comply with pertinent recommendations contained in applicable trade association standards and architectural general notes for the work.
 - Where provisions of pertinent codes and standards conflict with the project drawings or architectural general notes, the more stringent provisions shall govern.
- G. Manufacturer's Recommendations
- Except as otherwise indicated on the drawings, the Contractor shall apply, install, connect, erect, use, clean and condition manufactured articles, materials, products and equipment in accordance with the manufacturer's current printed recommendations. The Contractor shall maintain one copy of any such printed recommendations and shall forward two copies of such recommendations to the Architect and Owner.
- H. Cleaning and Maintenance
- General
- The project shall be maintained in accordance with General Industrial Safety Regulations, and OSHA Regulations.
- Materials
- The Contractor shall use only cleaning materials which are recommended by the Manufacturer of the surface to be cleaned, and to use such cleaning materials only in accordance with the recommendations of manufacturers of such cleaning materials.
- Cleaning During Construction
- The Contractor shall effect cleaning in order to insure that buildings, grounds, and public properties are maintained free from accumulations of waste materials and rubbish. The Contractor shall wet down dry materials and rubbish to alloy dust and prevent blowing dust.
- Safety Containers
- The Contractor shall provide on the site an adequate number of 10 to 20 cubic yard safety containers for collection of waste material, debris and rubbish. The Contractor shall remove waste materials, debris and rubbish from the site and legally dispose of such materials at public or private dumping areas off Owner's property.
- General Cleaning Guidelines
- The Contractor shall vacuum clean all interior building areas when they are ready to receive finish painting, and to continue vacuuming on an as-needed basis until buildings are ready for occupancy. All construction waste materials shall be handled in a fashion so as not to drop or throw them from heights, and to schedule clearing operations so that dust and other contaminants arising from the cleaning process will not fall on wet, newly painted surfaces.
- Final Cleaning

- The Contractor shall employ experienced or professional cleaning personnel for the final cleaning of the site, which shall include, but not necessarily limited to:
- In preparation for occupancy, the Contractor shall conduct a final inspection of visible interior and exterior surfaces as well as concealed spaces.
 - Remove all grease, dust, stains, labels, fingerprints and other foreign materials from visible interior and exterior finish surfaces, and shall, as designated by Owner, polish surfaces to a shine finish.
 - Repair, patch and touch-up mamed surfaces to the specified finish and to match adjacent surfaces.
 - Broom clean all paved surfaces and rake clean other surfaces on the site.
 - Replace air conditioning or heater filters if such filters were operated during the construction.
 - Clean ducts, blowers and coils, if air conditioning units were operated without filters during the construction.
 - Maintain a cleaning staff until the project, or a portion thereof, is occupied by Home Owner, or Owner's designees.
- I. Warranty.
- The Contractor shall replace or remedy any faulty, improper, or inferior materials or workmanship, or any damage to the work resulting therefrom, without cost to Owner, so long as such defects or damage appear within one year of completion and acceptance of the work under the Owner and Contractor agreement. The Contractor shall not be responsible for replacement or remedial action for problems resulting from ordinary wear and tear.
 - State or Federal Law shall, however, govern the length and type of warranties if such laws are more stringent in duration or type than that set forth in Part 3.02 of this contract.
 - Contractor shall require the roofing Subcontractor to furnish a maintenance agreement co-signed by the Contractor to maintain the roofing in a water tight condition for two years commencing after the first local rainfall following acceptance by Owner of not less than 1.0" in 24 hours, or alternatively if on completion of any built-up roofing all roof drains and overflows are sealed and water to a depth of 2.0" is maintained for 24 hours on the built-up roofs without damage to such roofs or leakage within the underlying structures.
 - The Contractor shall require each Subcontractor (the roofing Subcontractor included) to provide a written warranty stating that work executed by each such Subcontractor is free, and will remain free from defects in material and workmanship for one year from the date of acceptance of his work by Owner, and that he will repair and replace (within a reasonable time after receiving notification) such defective work without cost to Owner. Such written warranty from each Subcontractor is not intended to, nor shall it, preclude Owner from pursuing other legal remedies available to him under State or Federal laws.
 - The Contractor is aware that he is responsible for providing materials and construction whose quality, value and serviceability will exceed the specified minimum warranties and warranty periods for Subcontractors stated in Part 3.02 of this section.
- The exposed materials used in the construction of this project will deteriorate as the completed project ages unless properly and routinely maintained. Owner shall provide or cause the development of a comprehensive maintenance manual which shall be given to each homeowner which specifically describes required periodic inspection, maintenance, repair and replacement of building and surrounding components. Special attention shall be given to landscaping, landscape irrigation, site drainage, building water run-off control, major structural components, waterproof walking surfaces and exposed wood and metal. Adequate funds shall be allocated by those responsible for such maintenance to insure required maintenance is performed in a timely manner.

3.03 WRITINGS PROVIDED BY CONTRACTOR TO OWNER

- A. Subcontractor List
- Upon execution of the Owner/Contractor agreement, the Contractor shall provide Owner with a complete list of the names, addresses and telephone numbers of all Subcontractors, suppliers, fabricators, and manufacturers engaged in the execution of this project.
- B. Maintenance Manuals
- The Contractor shall deliver to Homeowner all available operation and maintenance manuals for equipment and products used in the subject work. The Contractor agrees to provide a hard cover three-ring binder for each manual provided.
- C. Manufacturer's Warranties
- The Contractor shall deliver to Owner any and all manufacturer's warranties for equipment and products used in the subject work.

END OF SECTION 01011.

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PLANNER'S SIGNATURE: mjl

2.05 CONTRACTOR'S SUBMITTALS

- A. In general, all submittals, if any, shall be prepared and processed pursuant to the industry standard protocol set forth in AIA Document A201-1997.
- B. Shop drawings shall be presented in a clear, thorough manner, with details identified by reference to sheet and detail, and schedule or room number shown on the Contract Documents. Shop drawings shall have a minimum sheet size of 24" x 36".
- C. Product and Equipment Data:
- All copies of product or equipment data submitted for review, shall be clearly marked to identify pertinent products, work-ups or models and shall show performance characteristics, capacities, dimensions, required clearances, wiring diagrams, piping diagrams and controls, and etc.
 - The Contractor shall modify the manufacturer's standard schematic drawing diagrams or shop drawings to delete information not applicable to the work, and further that if necessary, he shall supplement standard information on such schematic drawings, diagrams and shop drawings to provide information specifically applicable to the work.
- D. Samples and Mock-Ups:
- The Contractor shall provide office samples of sufficient size and quality to clearly illustrate functional characteristics of products or equipment, with integrally related parts and attachment devices, along with a full range of colors, textures, and patterns of samples for selection by the Architect.
 - The Contractor, if required by the Contract Documents, shall erect, at the project site, mock-ups or field samples of the size specified in the architectural general notes at a location selected by the Owner. Field sample and mock-up shall be fabricated in a complete and finished manner, and shall be maintained for review during construction, and Contractor removal upon completion of the work or when the Owner otherwise directs.
- E. Contractor's Additional Responsibilities
- Review all shop drawings, product data, samples and mock-ups prior to submission.
 - Determine and verify field measurements, field dimensions, field construction criteria, catalog numbers and other similar data to insure such measurements, criteria, numbers and data conform with the drawings or architectural general notes
 - Coordinate each submittal with requirements of the work and the Contract Documents.
 - Notify the Owner in writing of any modifications or deviations in the submittals from requirements of the Contract Documents at the time shop drawings, product data, samples and mock-ups are submitted to the Owner.
- F. Submission Requirements
- Make all submittals promptly in accordance with the accepted schedules, and in a manner which will cause no delay in the Work.
 - Provide no less than five copies of each submittal while retaining no less than one copy at the construction site.
 - All submittals shall contain at least the following information:
 - The date of submission and dates of any previous submission.
 - The project title and number.
 - The contract identification.
 - The names of the Contractor, the Subcontractors, the supplier and manufacturer.
 - The identification of the product or piece of equipment, with specification section number.
 - The field dimensions, clearly identified as such.
 - The relationship of the submittal to adjacent or critical features of the work or materials to show the inter-relationship of said items.
 - Applicable standards such as ASTM, ANSI, Trade Standard of Federal Specification number for each item.
 - The identification of any modifications or deviations from the Contract Documents.
 - The identification of revisions on resubmissions.
 - An 8" x 3" blank space for the Contractor's stamp.
 - The Contractor's stamp, initialed or signed certifying (a) the Contractor's review of submittals, (b) his verification of products or equipment, field measurements, and field construction criteria and (c) coordination of the information within the submittal with the requirements of the work and the Contract Documents.
 - No substitutions shall be made without the Owner's written authorization. Any substitution shall be made in advance to avoid any delay in the project schedule. The Contractor and Subcontractor shall not make structural changes without prior written authorization from the structural engineer
- G. Resubmission Requirements.
- Promptly make any corrections or changes required in the submittals and resubmit.
- H. Distribution
- Distribute approved reproductions of shop drawings and other copies of product or equipment data to the following:
- Job site file
 - Record Document file.
 - Applicable Subcontractors.
 - Suppliers or Fabricators.
 - Any other Subcontractors whose work is affected by such reproductions or copies of data.

2.07 CONTRACTOR'S RESPONSIBILITY TO ORDER MATERIALS AND EQUIPMENT

As soon as any color, type of material, equipment, product, fixture or appliance is specifically identified or specified in the Contract Documents, such color, material type, equipment, fixture or appliance shall be ordered by the Contractor immediately to avoid any delay in completion of the project. No substitution will be considered by the Owner or Architect resulting from the Contractor's failure to coordinate the work or comply with the above required procedure.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Survey Requirements
- The Contractor agrees to provide a Registered Surveyor or Civil Engineer to verify all survey lines and elevations as indicated on the drawings. The Contractor further agrees to make actual conditions conform to the drawings without additional cost to the Owner.
- B. Service Lines
- The Contractor shall remove or relocate the following items which interfere with construction work: drainage, sewer, water, gas, or other utility service lines, as well as other piping or conduit.
 - The Contractor shall cap or plug and make tight at the appropriate line, services which are to be removed or relocated.
 - No action shall be taken under Section 3.01C without notification to, and authorization from the utility, or other interested party whose lines, piping or conduit interfere with construction work.

3.02 INSTALLATION

- A. Building Code or Other Requirements
- The installation of all work shall be in accordance with current Code and statutory functionality standards requirements, the architectural general notes, accepted shop drawings, the project drawings, or manufacturer's installation or application instructions.
- The Contractor and all Subcontractors shall be familiar with the following documents:
- Soils report
 - Energy compliance report
 - Structural calculations
 - Acoustical report
- The Contractor shall keep a copy of the above documents on the site at all times.
- B. Supervision of the Work
- The Contractor shall provide inspection and supervision of the work through completion.
- The Contractor shall be responsible for coordinating the work between the different Subcontractors and requiring all Subcontractors to use the most current building department approved set of construction documents. The Contractor shall arrange a pre-construction meeting to review omissions and discrepancies sufficiently in advance of construction to assure the orderly progress of the project prior to the performance of any work. All parties using these construction documents are responsible for reviewing the full content of these drawings for omissions and discrepancies prior to the start of construction.
- Inspection
 - Prior to each phase of work, the Contractor shall carefully inspect his installed work and that of Subcontractors, and verify that all such work is complete to the point where further installation may properly commence.
 - The Contractor shall verify that this work may be installed in accordance with all pertinent codes and regulations, the original design and the referenced standards.
 - Discrepancies
 - The Contractor shall upon the discovery of any and all discrepancies, immediately notify the Architect.
 - The Contractor shall not proceed with installation in areas of discrepancy until such discrepancies have been fully corrected.
- C. Qualifications of Installers
- The Contractor shall employ only skilled and experienced installers.
 - All helpers or apprentices used for this project shall, at all times, be under full and constant supervision by thoroughly skilled installers.
 - In determining acceptance or rejection of installed work, no allowance will be made for lack of skill on the part of the installer.
- D. Coordination of the Work

The Contractor shall be responsible for coordinating all work, including that of the Subcontractors and all subtrades. The Contractor shall bind each and every Subcontractor by the terms of the Contract between the Owner and Contractor insofar as such terms apply to each such Subcontractor's work.

The Owner shall be responsible for on-site inspections or observations to check the quality or quantity of contractor's work or for contractor's compliance with the plans or architectural general notes. The Owner shall be responsible for and have control over construction means, methods, techniques, sequences, procedures, safety precautions and programs in connection with the work. The Owner shall be responsible for, and control or charge over, any acts or omissions of the Contractor, Subcontractors or any of their agents or employees, other design professionals, or any other persons performing any work at the site.

GENERAL PROVISIONS

All work shall be performed so as to comply with all legal and industry requirements and standards including without limitation the following:

The 2018 International Residential Code and amendments for all applicable related specialty codes.

The manufacturer's requirements or recommendations for any incorporated products.

In using these plans for bidding or construction purposes, all contractors are required to review and treat them as a whole in order to identify all requirements that directly or indirectly affect their portion of the work, even requirements located in sections designated as applicable to other trades. In case of conflicts, the affected contractor is required to either obtain direction from an appropriate representative of the Owner, or otherwise to apply the more stringent standard.

These plans are intended to set forth the requirements for construction in only an industry-standard level of quality and detail, and they are intended to be supplemented by appropriate requests for clarification and information. Errors and omissions are to be expected and anticipated, and all contractors are required to carefully review these plans for errors and omissions and to bring these errors and omissions to the attention of an appropriate Owner representative in a timely manner, and any contractor who fails to do so before bidding or otherwise proceeding assumes the risk of those consequences. Scaled dimensions should be considered only approximate; and any which event all contractors proceed at their own risk if they fail to verify and field measure dimensions before proceeding with any affected procurement, fabrication or construction. Schematic plans are intended only to demonstrate the relationship among component parts, and not to depict specific locations.

D. Submittals will be reviewed by the Architect, if at all, only pursuant to the industry-standard protocol set forth in AIA Document A201-1997; and in no event will the submittal review process relieve or lessen the submitting contractor's responsibility for an inappropriate submittal.

GENERAL CONSTRUCTION REQUIREMENTS

1.0 GENERAL

1.01 THE CONSTRUCTION DOCUMENTS

The Construction Documents include only a "builder's set" of plans which are intended to set forth the requirements for the construction of the Project in sufficient detail to enable a knowledgeable and experienced General Contractor familiar with code requirements and Nevada statutory functionality standards or similar Local requirements, with established industry practices and with projects similar to the Project to bid and to complete construction with only routine inquiries, corrections and clarifications. In general these plans delineate only the locations, dimensions, types of materials and general methods for assembling and fastening of the Project's major components; and they do not direct or require specific materials, products or details of construction except where specifically noted or required by law or by governmental authorities. Any question or uncertainty as to exactly how the plans are to be implemented must be resolved with the Owner before the work proceeds; and the Contractor assumes all risks of proceeding with unclear or insufficient direction.

The Contractor, directly or through subcontractors shall furnish all labor, equipment, and materials indicated on the plans and required by the applicable codes, and statutory functionality standards. Any addition, deletion or change in the scope of work called for by the Construction Documents shall be by written change order only. The Contractor shall procure the building official's approval for any change in the work. The intent of the plans and general notes is that all labor, materials, equipment and transportation shall be included in the work for the complete execution of the project.

Unless the Owner expressly directs or the parties mutually agree otherwise, the Contractor shall have the right and obligation to determine, and sole responsibility for, all contractor means, methods, techniques, sequences and procedures, including all safety precautions and programs in connection with the work.

Each Contractor or Subcontractor shall be required to inspect and verify that any work installed by others and relied upon or covered up by Contractor or Subcontractor was installed consistent with the requirements of these plans and specifications, the applicable legal requirements including building codes and statutory functionality standards, any manufacturer requirements, and industry standards, and was suitable for its intended purpose. The Contractor or Subcontractor shall not proceed until unsatisfactory conditions have been corrected.

The Contractor shall verify all conditions and dimensions in the field; and all questions as to dimensions and field conditions shall be resolved before the affected work proceeds. No dimensions shall be obtained by scaling these plans.

1.07 DRAWINGS AND ARCHITECTURAL GENERAL NOTES

Drawings and architectural general notes are complementary and that work called out on one, but not the other, shall be provided as though set forth in both.

Drawings and architectural general notes represent the entire complementary documents and they supersede all prior negotiations, representations or agreements regarding the drawings and architectural general notes.

The project drawings and architectural general notes are intended to show and describe the work for the project as a whole. Parts and details not fully shown or described on the drawings or all be detailed and executed according to standard practices. If the architectural general notes in Contractor or any Subcontractor or any Subcontractor are unclear, unambiguous or not waterproof, it is his duty to notify the Architect in writing of such fact. If work is performed as detailed, it is assumed there is no objection to the detail. No extra compensation will be allowed for differences between actual dimensions and those indicated on drawings. The Contractor will chitectural general notes. Such set will maintain at the site a full set of authorized drawings and or include all authorized change orders, revisions, modifications or addenda.

All architectural documents prepared by Architect pursuant to this contract are instruments of the Architect's services and are Architect's property solely for use by the Owner only on this project. Use of architectural documents on other projects will be allowed only with the written authorization from the Architect. Such authorization may be subject to an appropriate reuse fee as determined by Architect. In the event drawings, computer disks or tapes are provided by the Architect, a written disclaimer releasing Architect from any liability for its use or translation shall be considered provided by the Owner as part of this Agreement.

If the Owner and/or Contractor makes or causes to be made any alteration or change of any kind in the drawings or other documents provided under this agreement, or shall deviate in any way from the drawings or other documents in the construction of the project without the prior written approval of Architect, the Owner and/or Contractor will be solely responsible for any and all damage, liability and consequence resulting therefrom. The Owner and/or Contractor agrees to defend, indemnify and hold harmless Architect and its agents, employees, architects, and consultants from and against all claims, damages, losses and expenses including, but not limited to attorney's fees arising out of or related directly or indirectly to any alteration, change, amendment, addition to such documents or deviation from such documents during construction.

1.08 FIGURED DIMENSIONS

The Contractor shall check accuracy of all dimensions in the field prior to commencement of work or fabrication of materials or products ordered for the project. The Contractor shall follow the architectural general notes and any written notes and schedules on drawings in preference to information furnished in the form of line drawings. Detailed drawings furnished during construction, or accepted by the Contractor or Architect, are to be considered explanatory rather than authorized changes to the drawings and architectural general notes. Notes, figures and details on such detailed drawings shall be followed by the Contractor and executed by him as part of the architectural general notes.

1.09 SUBCONTRACTORS

Division of these architectural general notes into trade headings generally conforms to CSI "Manual of Practice." They are for convenience only. The Architect is not bound to define the limits of any subcontract.

If Design/Build Contractors or subcontractors are to be retained directly by the Owner or Contractor for specified portions of the design and construction of the Project, each Design/Build Contractor or subcontractor shall be responsible for (1) preparing engineering and other drawings and specifications for all components of its Design/Build contract, (2) complying with the Project requirements and space limitations, (3) coordinating and interfacing with other trades and consultants, and (4) obtaining approval from authorities having jurisdiction over the Project. The Design/Build contractor or subcontractor shall be the Professional of Record for its portion of the work, responsible directly to the Owner. Design/Build system designs shall be reviewed by the Architect only for conformance to the aesthetic aspects of the architectural design and major space limitations. The Architect does not assume responsibility for the design, installation or performance of these systems. Review by the Architect of more than one Design/Build proposals for a Design/Build trade shall be compensated as Additional Services.

1.10 CONSTRUCTION DOCUMENTS ERRORS OR OMISSIONS

The Contractor shall require his Subcontractors to notify the Contractor in writing if any errors or omissions appear in the drawings, architectural general notes or other Contract Documents.

The Contractor, in his contracts with Subcontractors shall provide that if a Subcontractor fails to give written notification of errors or omissions before construction, or fabrication of work, the Subcontractor will have waived such errors or omissions, and the costs of rectifying them. Omissions from the drawings or architectural general notes of the description of details of work which are necessary to carry out the intent of the drawings and architectural general notes or are customarily performed, shall not relieve the contractor from performing such omitted or misdescribed details of the work, but they shall be performed as if fully and correctly set forth and described in the drawings and architectural general notes.

If the Contractor observes or otherwise becomes aware of any fault or defect in the project or nonconformance with the drawings and/or architectural general notes, prompt written notice thereof shall be given to the Owner within ten (10) days of its discovery or any claims arising thereto shall be deemed waived as to the Owner and the Architect.

1.11 CLAIMS FOR EXTRA COSTS

If the Contractor contends that instructions from the Architect or Owner involve extra cost under the Contract between Owner and Contractor, the Contractor shall give written notice of such contention within a reasonable time after receiving such instructions, not to exceed five days, and shall give an estimate in writing of the extra costs involved in such change before commencing the work. The Contractor, before executing the work concerning such instructions shall not proceed, except in case of emergency endangering life or property, without a written change order signed by Owner or the Architect. Without such a change order signed by Owner or the Architect, the Contractor shall have no valid claim for extra work performed pursuant to instructions from the Architect.

PART 2 - PRODUCTS

2.01 MANUFACTURE

The Contractor shall provide only new equipment and products for each class of equipment and product type specified and such equipment and products shall be produced by only one manufacturer, unless indicated otherwise on the drawings. All manufacturers providing equipment or products for this project shall have produced the specified items for a minimum period of five years and have been in commercial or consumer use for a continuous period of four years. All substitutions shall be approved by Owner.

2.02 ACOUSTICAL REQUIREMENTS

All acoustical work shall conform to the requirements of the report prepared by the project acoustical engineer. Such report and any drawings incident thereto, may be obtained from Owner. The acoustical engineer's report includes, but is not limited to the following subjects: carpet, resilient flooring, gaging gypsum wallboard and lightweight concrete floor fill. Acoustical report criteria shall take precedence over materials contained in the project drawings or architectural general notes. Floor ceiling assemblies and wall assemblies which are required to meet acoustical standards per code shall be tested or listed assemblies which meet such standards. Assemblies shall exceed minimum code standards by 20%.

2.03 REQUIREMENTS FOR RATED FIRE ASSEMBLIES

Materials and products used within Fire Rated assemblies as described by the Construction Documents shall be specifically listed with the referenced fire assembly. Where no reference is listed, Underwriter's Laboratory standards for fire resistive assemblies shall be used. Substitutions within assemblies shall only occur where specifically permitted by the Building Official. Where specific brand name products are listed, only those brand name products may be used unless specifically allowed by the Building Official.

2.04 OTHER MATERIALS

All other materials not specifically described in the Contract Documents, but required for a complete and proper installation of the work under this Part 2, Products shall be new, and of best quality.



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APN:

179-04-503-001

CLIENT

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CUSTOMS
SOLUTIONS LLC
PO Box 530078
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REVISIONS

BUILDING CORRECTIONS	06.15.21	Δ
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GENERAL NOTES

DRAWING INFORMATION

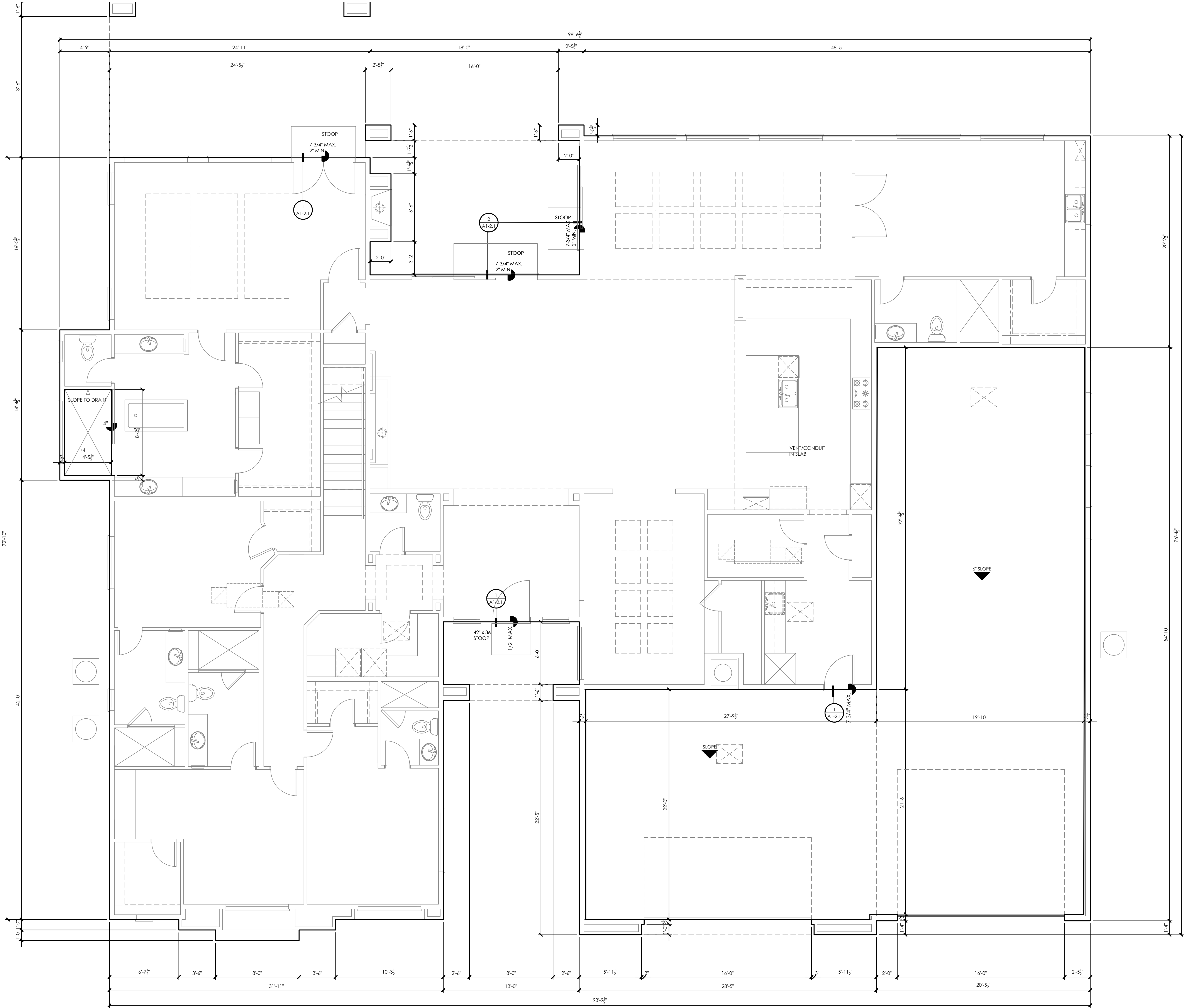
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**SLAB
PLAN**

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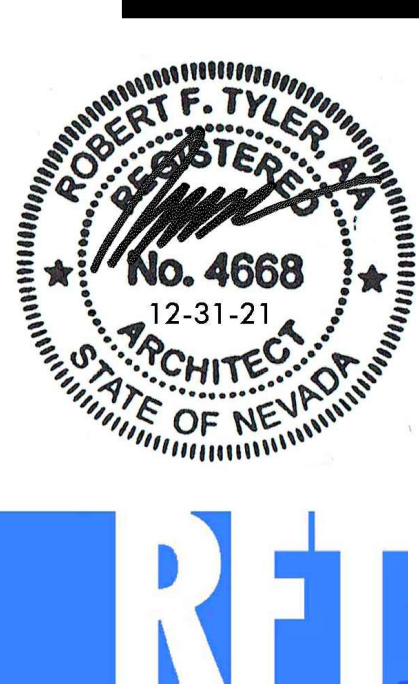
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SLAB PLAN

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FLOOR PLAN NOTE:
1. PROVIDE SAFETY GLASS FOR THE SHOWER ENCLOSURES AND SLIDING DOORS.
2. THE INSTALLATION OF DECORATIVE VENTED GAS SHALL CONFORM TO MANUFACTURER'S INSTALLATION INSTRUCTION.
3. FIREPLACES SHALL BE PROVIDED WITH A PERMANENT UNOBSTRUCTED FRESH AIR SUPPLY DIRECTLY FROM THE EXTERIOR TO THE FIREBOX. THE FRESH AIR SUPPLY DUCT SHALL BE SHOWN ON THE PLANS AND SHALL BE MINIMUM 4 INCH DIAMETER OR AS PER THE FIREPLACE/APPLIANCE LISTINGS.
4. FIREPLACES OPENING SHALL BE PROVIDED WITH AN OPENABLE OR NON-OPENABLE DOOR MADE OF SOLID GLASS, STEEL OR CAST IRON. A CAUTION SIGN SHALL BE PERMANENTLY INSTALLED AND MAINTAINED WHERE IT IS READILY VISIBLE AT ALL TIMES. THE SIGN SHALL STATE: "CAUTION: APPROVED FOR FUEL GAS USE ONLY. DAMPER SHALL REMAIN PERMANENTLY BLOCKED OPEN." THE LETTERS ON THE SIGN SHALL BE A MINIMUM OF 1/2 INCHES IN HEIGHT.



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LOWER
FLOOR
PLAN A

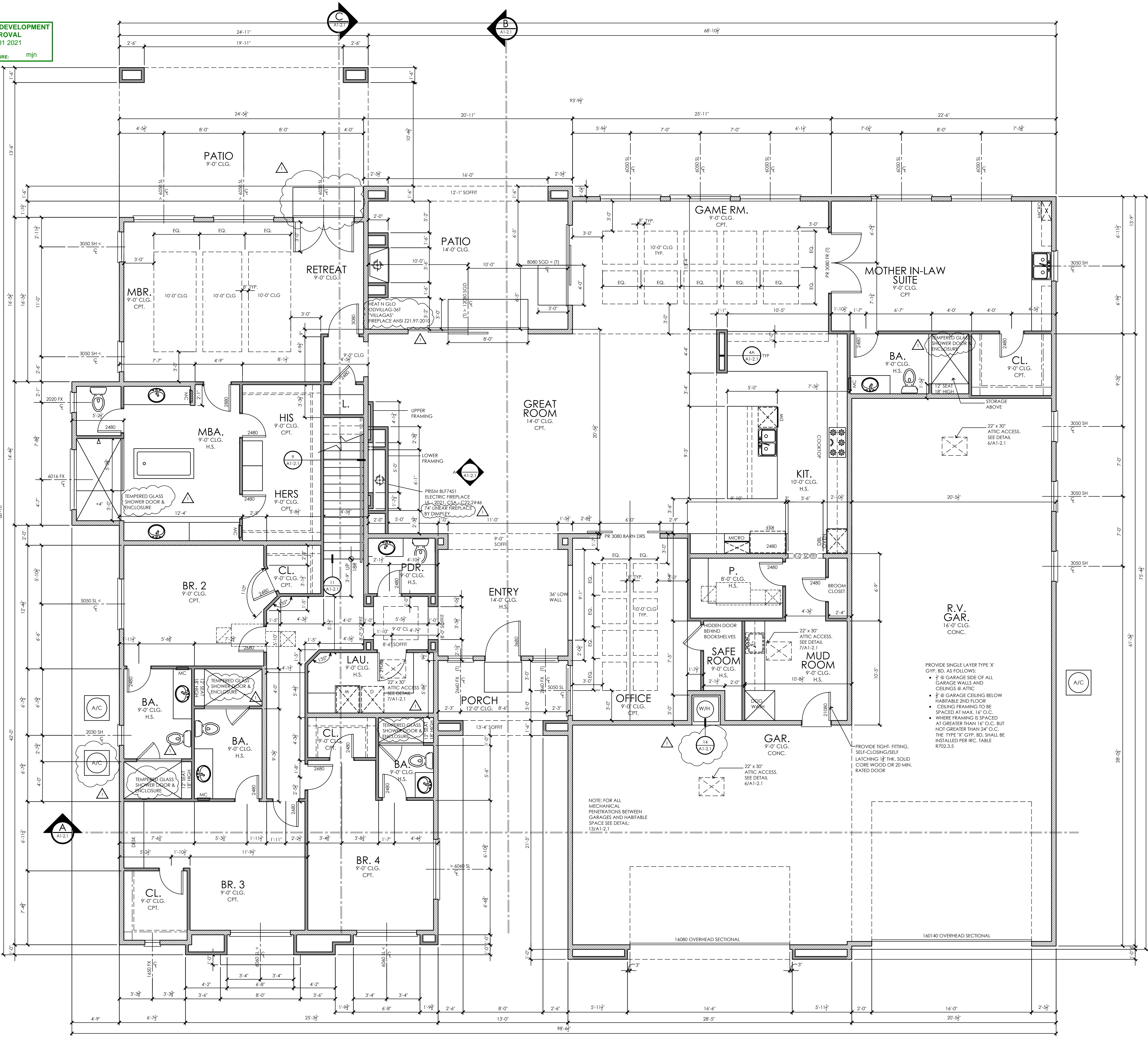
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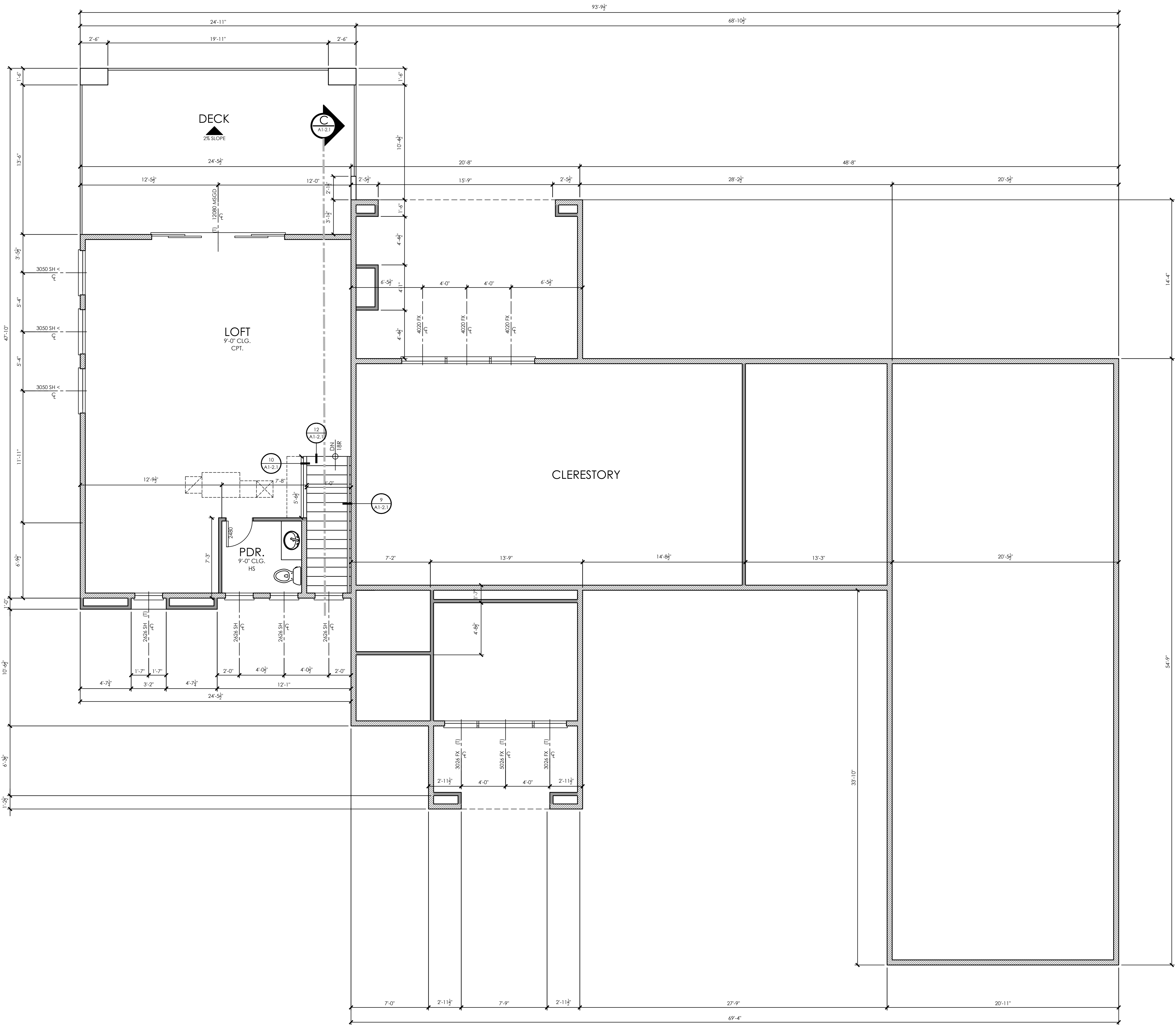
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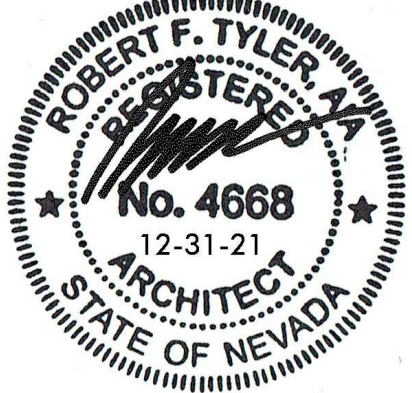
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UPPER FLOOR PLAN



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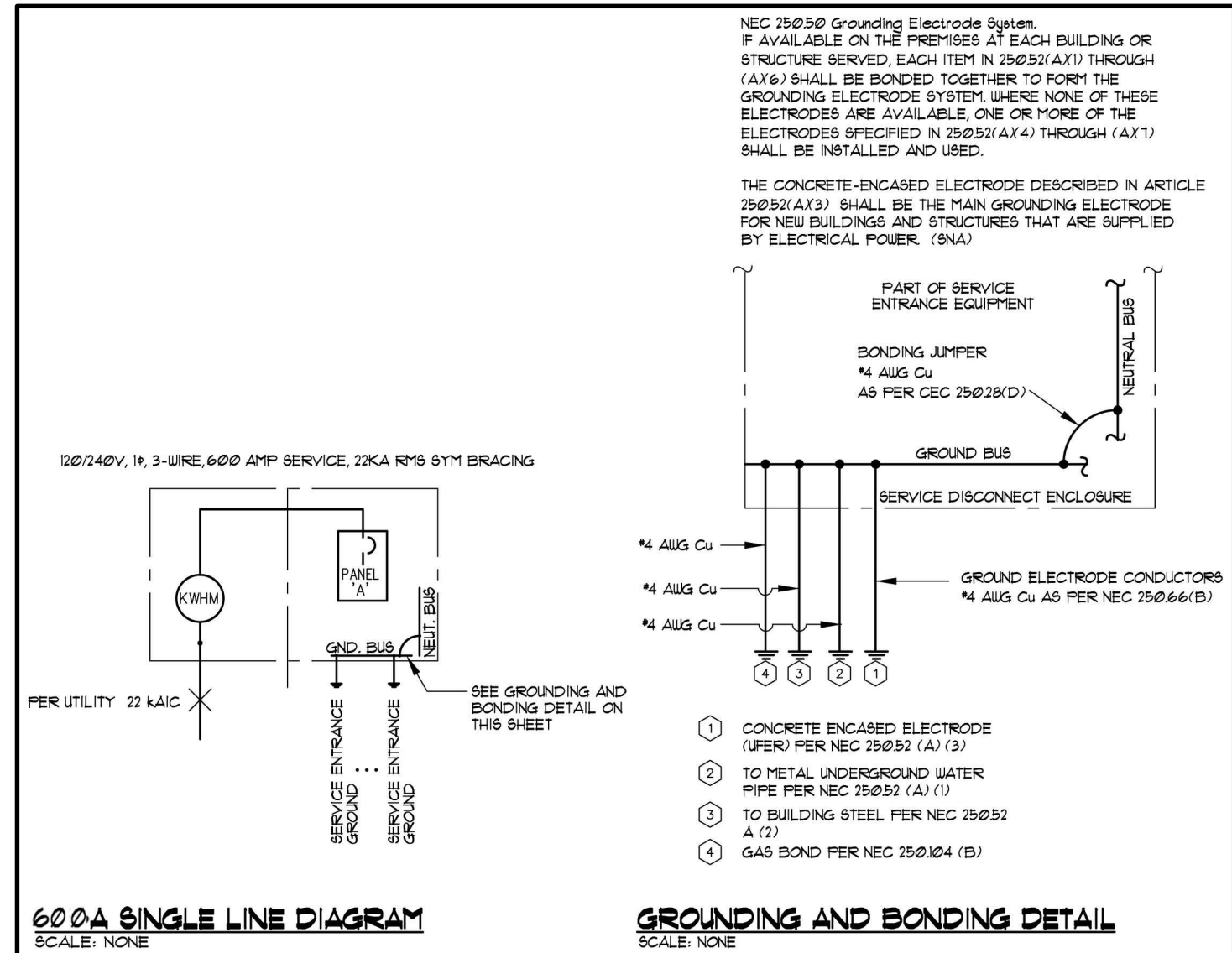
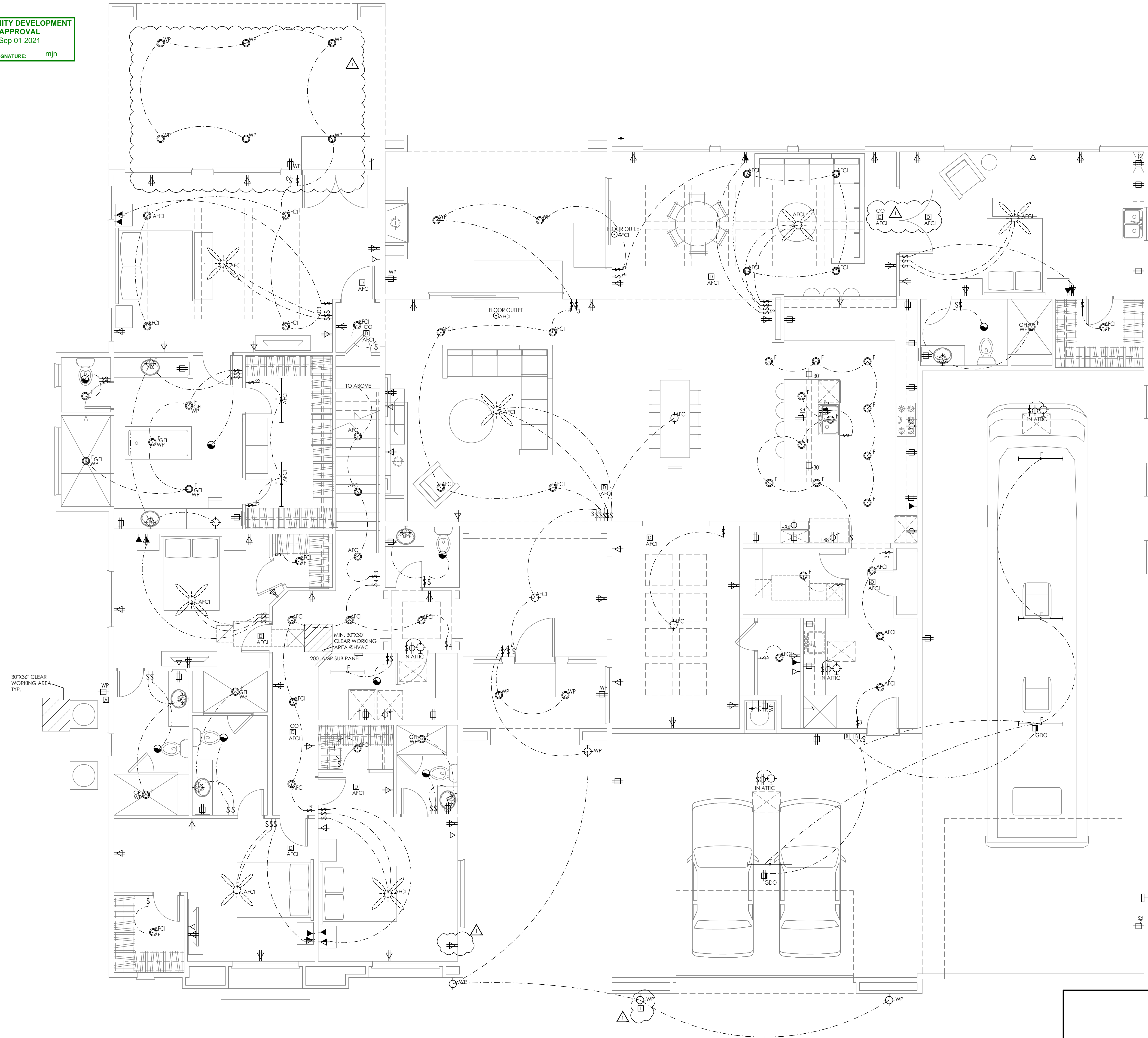
UPPER
FLOOR
PLAN/
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FIRST SUBMITTAL DATE: 04.07.21
SCALE: 1/4"=1'-0"

DRAWING NUMBER

A1-1.2



ELECTRICAL SYMBOLS		ELECTRICAL NOTES	
	SINGLE-POLE SWITCH	1.	SMOKE ALARMS TO BE POWERED BY 110V AND INTERCONNECTED WITH A BATTERY BACKUP AND SMOKE-ALARM ALARMS TO HAVE BATTERIES AND POWERS TO BE WATERPROOF.
	THREE-WAY SWITCH	2.	ALL RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL BE GROUND-Fault CIRCUIT INTERRUPTER PROTECTION:
	FOUR-WAY SWITCH		ALL RECEPTACLES LOCATED IN:
	SWITCH WITH DIMMER CONTROL		BATHROOM, GARAGE/LOUNGE/REAR PORCH, KITCHENS, SERVING COUNTERS, BREAKFAST ROOMS, DOWNGRADE CLOSETS AND IN WEBS WITHIN 6' OF A LINE.
	SWITCH WITH MOTION SENSOR WITH 30 MINUTE MAX. SHUT-OFF		ALL RECEPTACLES LOCATED IN:
	10V DUPLEX RECEPTACLE		BEDROOMS, BATHS, KITCHENS, BREAKFAST ROOMS AND SLEEPING ROOMS AND SIMILAR USE ROOMS TO THAT OF THE ABOVE LISTED AREAS WITHIN 6' OF A LINE.
	10V DUPLEX HIGH-HEAT RECEPTACLE		ALL RECEPTACLES LOCATED IN:
	10V DUPLEX RECEPTACLE WITH GROUND-FAULT INTERRUPTER		ALL RECEPTACLES TO BE COVERED BY GFCI'S INCLUDING HANDS/TOOLBARS ON EXTERIOR WALLS, ROOMS, AND BATHS.
	10V DUPLEX FLOOR RECEPTACLE WITH ARC-FAULT INTERRUPTER		REQUIRES NEARBY UNRELATED LOCATIONS TO A WALL.
	10V DUPLEX RECEPTACLE WITH ARC-FAULT INTERRUPTER		ALL RECEPTACLES LOCATED IN:
	10V DUPLEX HIGH-HEAT RECEPTACLE WITH ARC-FAULT INTERRUPTER		RECEPTACLES LOCATED IN:
	20V APPLIANCE OUTLET		RECEPTACLES LOCATED IN:
	MOTOR/SERVICE		RECEPTACLES LOCATED IN:
	AC DISCONNECT		RECEPTACLES LOCATED IN:
	SWITCH MODEL WAFS3/3-CPN OR E-CPN		RECEPTACLES LOCATED IN:
	PUSH BUTTON		RECEPTACLES LOCATED IN:
	CABLE		RECEPTACLES LOCATED IN:
	J-BOX		RECEPTACLES LOCATED IN:
	ADDRESS SYMBOL		RECEPTACLES LOCATED IN:
	MAIN ELECTRICAL PANEL		RECEPTACLES LOCATED IN:
	PHOTO SENSOR		RECEPTACLES LOCATED IN:
	SMOKE DETECTOR		RECEPTACLES LOCATED IN:
	SMOKE/CARBON MONOXIDE DETECTOR		RECEPTACLES LOCATED IN:
	THERMOSTAT		RECEPTACLES LOCATED IN:
	USB PORT		RECEPTACLES LOCATED IN:
	SMART TUBE		RECEPTACLES LOCATED IN:
	CEILING MOUNT		RECEPTACLES LOCATED IN:
	HIGH EFFICIENCY CEILING MOUNT LUMINAIRE		RECEPTACLES LOCATED IN:
	WALL MOUNT LUMINAIRE		RECEPTACLES LOCATED IN:
	HIGH EFFICIENCY WALL MOUNT LUMINAIRE		RECEPTACLES LOCATED IN:
	RECESSED CEILING MOUNT LUMINAIRE		RECEPTACLES LOCATED IN:
	HIGH EFFICIENCY RECESSED CEILING MOUNT LUMINAIRE		RECEPTACLES LOCATED IN:
	MULTI-LOAD BAR (SEE PLAN FOR NUMBER OF BULBS)		RECEPTACLES LOCATED IN:
	HIGH EFFICIENCY TUBE LUMINAIRE		RECEPTACLES LOCATED IN:
	DIMMABLE SWITCH		RECEPTACLES LOCATED IN:
	TELEPHONE JACK		RECEPTACLES LOCATED IN:
	VOICE JACK		RECEPTACLES LOCATED IN:
	RIS GDS		RECEPTACLES LOCATED IN:
	TIE CABLES ONLY		RECEPTACLES LOCATED IN:
	RIS BBS		RECEPTACLES LOCATED IN:
	RIS BBS WITH SHUT-OFF		RECEPTACLES LOCATED IN:
	CEILING MOUNT PACKETS WITH LIGHT		RECEPTACLES LOCATED IN:
	ARC-FAULT CIRCUIT INTERRUPTER		RECEPTACLES LOCATED IN:

TYPICAL INSTALLATION HEIGHTS

MINIMUM CLEARANCE
6'-0"

6'-0"

OPTIONAL
6'-0"

AT LEAST 5'-0" HIGH RISE

RANGE HOOD

8'-0" MIN. HIGH RISE

NOTE:
THESE PLANS HAVE BEEN DESIGNED TO COMPLY WITH THE "2011 NATIONAL ELECTRICAL CODE AS AMENDED AND ADOPTED BY LOCAL JURISDICTION"

NOTE TO ALL SUB-CONTRACTORS:
REFER TO GENERAL NOTES SHEET AG-0.1 FOR IMPORTANT CONSTRUCTION RELATED INFORMATION NOT NOTED HERE.

ALL BUILDING PRODUCTS ARE TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

[illegible]

NOTES

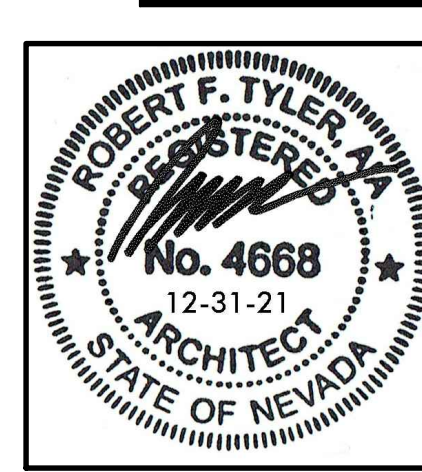
- DASHED LINES INDICATE OPTIONAL OR HOODEN FEATURES.

ABBREVIATIONS:

- F = FLOURESCENT FEATURE
- WF = WATERPROOF FEATURE
- GF = GROUNDED FANAL CIRCUIT INTERRUPTED FEATURE
- 48F = 48V ALCOHOLIC INTERUPTED FEATURE
- H = HALOGEN FEATURE
- ACG = ACG CONCURRENT INTERRUPTED FEATURE
- L = L.E.D. 4" OUTLET

EXHAUST FANS:

1. BAY WINDOW EXHAUST FAN MODEL: QPT BY BROWAN 110 C/4075 SOME HUMIDITY SENSING
2. KITCHEN EXHAUST FAN MODEL: QPT BY BROWAN 110 C/4075 SOME HUMIDITY SENSING



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IRVINE
CALIFORNIA
92616
T949.461.0605
F866.549.3491

PROJECT NAME/ADDRESS
740 NAPLES ST.
APN:
179-04-503-001

CLIENT

**MILAN
CUSTOMS LLC**

PO Box 530078
Henderson, NV 89053

REVISIONS

BUILDING CORRECTIONS 06.15.21 

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DRAWING TITLE

UTILITY PLANS

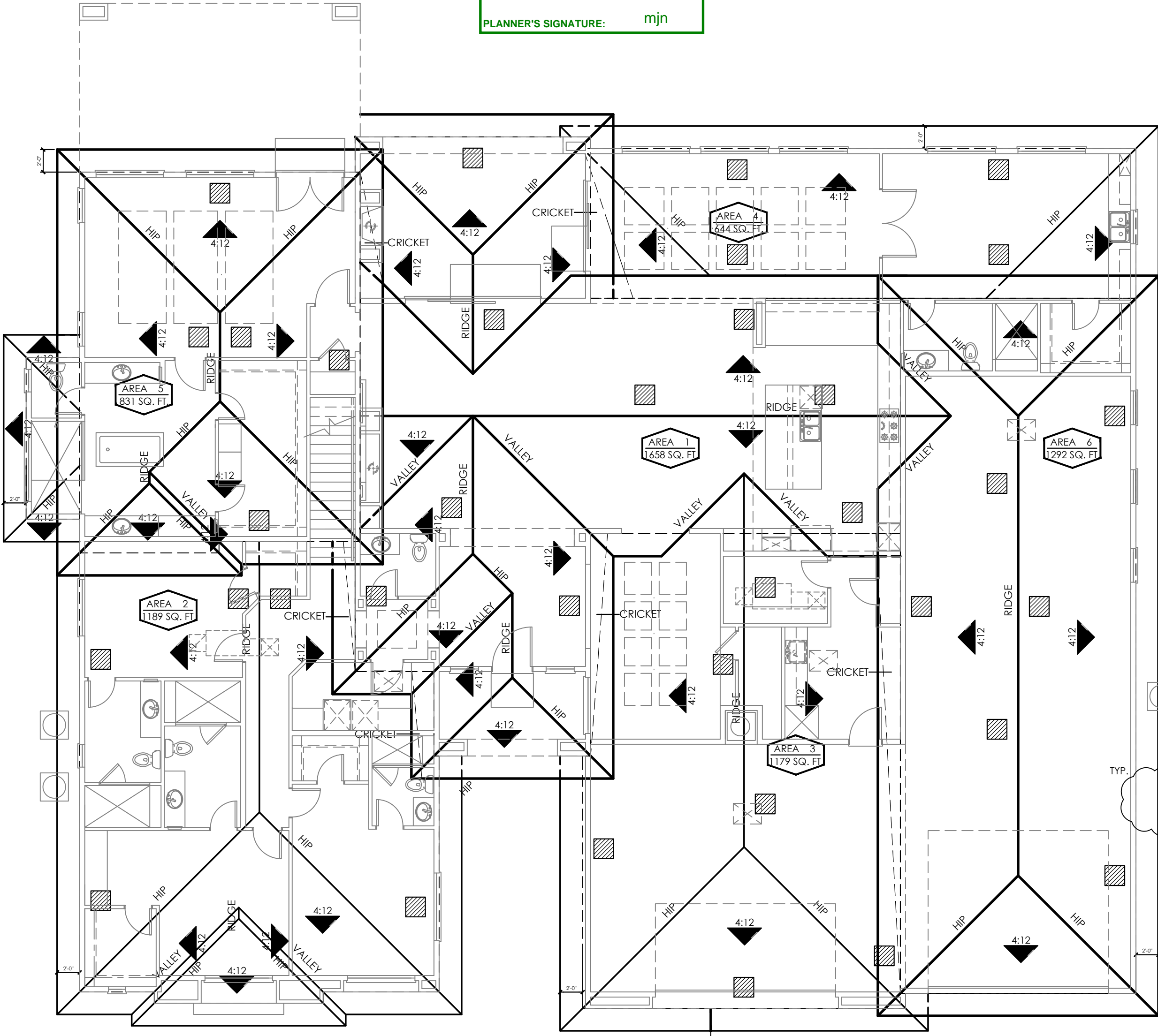
DRAWING INFORMATION

4Q: 20006

SUBMITTAL DATE:

DRAWING NUMBER

A1-3.1



ROOF PLAN

PLAN II

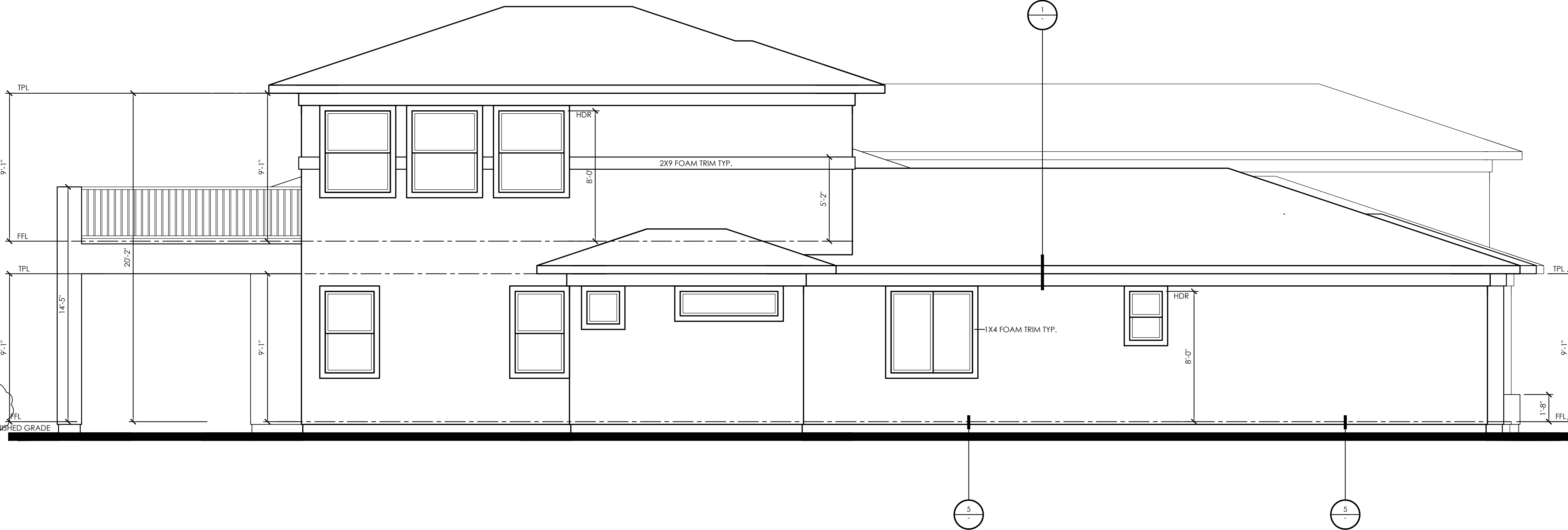
SCALE 1/8" = 1'-0"

A

ATTIC VENTILATION:				
ATTIC AREA:		1658 SQ. FT.		
VENTILATION REQ'D:		1300		
AREA	VENT TYPE	AREA	QU.	NET AREA
	CHAGIN	95	9	855 SQ. IN.
VENTILATION PROPOSED:		855 SQ. IN.		
ATTIC AREA:		966 SQ. FT.		
VENTILATION REQ'D:		1300		
AREA	VENT TYPE	AREA	QU.	NET AREA
	CHAGIN	95	5	475 SQ. IN.
VENTILATION PROPOSED:		475 SQ. IN.		
ATTIC AREA:		1179 SQ. FT.		
VENTILATION REQ'D:		1300		
AREA	VENT TYPE	AREA	QU.	NET AREA
	CHAGIN	95	6	570 SQ. IN.
VENTILATION PROPOSED:		571 SQ. IN.		
ATTIC AREA:		644 SQ. FT.		
VENTILATION REQ'D:		1300		
AREA	VENT TYPE	AREA	QU.	NET AREA
	CHAGIN	95	4	380 SQ. IN.
VENTILATION PROPOSED:		380 SQ. IN.		
ATTIC AREA:		831 SQ. FT.		
VENTILATION REQ'D:		1300		
AREA	VENT TYPE	AREA	QU.	NET AREA
	CHAGIN	95	5	475 SQ. IN.
VENTILATION PROPOSED:		475 SQ. IN.		
ATTIC AREA:		1292 SQ. FT.		
VENTILATION REQ'D:		1300		
AREA	VENT TYPE	AREA	QU.	NET AREA
	CHAGIN	95	7	665 SQ. IN.
VENTILATION PROPOSED:		665 SQ. IN.		

NOTE: ATTIC VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH IRC SEC. R806. THE TOTAL NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1% OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT REDUCTION OF THE TOTAL AREA TO 1% IS PERMITTED PROVIDED THAT AT LEAST 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NO MORE THAN 3' BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION TO BE LOCATED IN THE BOTTOM 4' OF THE ATTIC SPACE WHERE THE LOCATION OF THE WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS. INSTALLATION MORE THAN 3' BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED. (IRC SEC. R806.2)

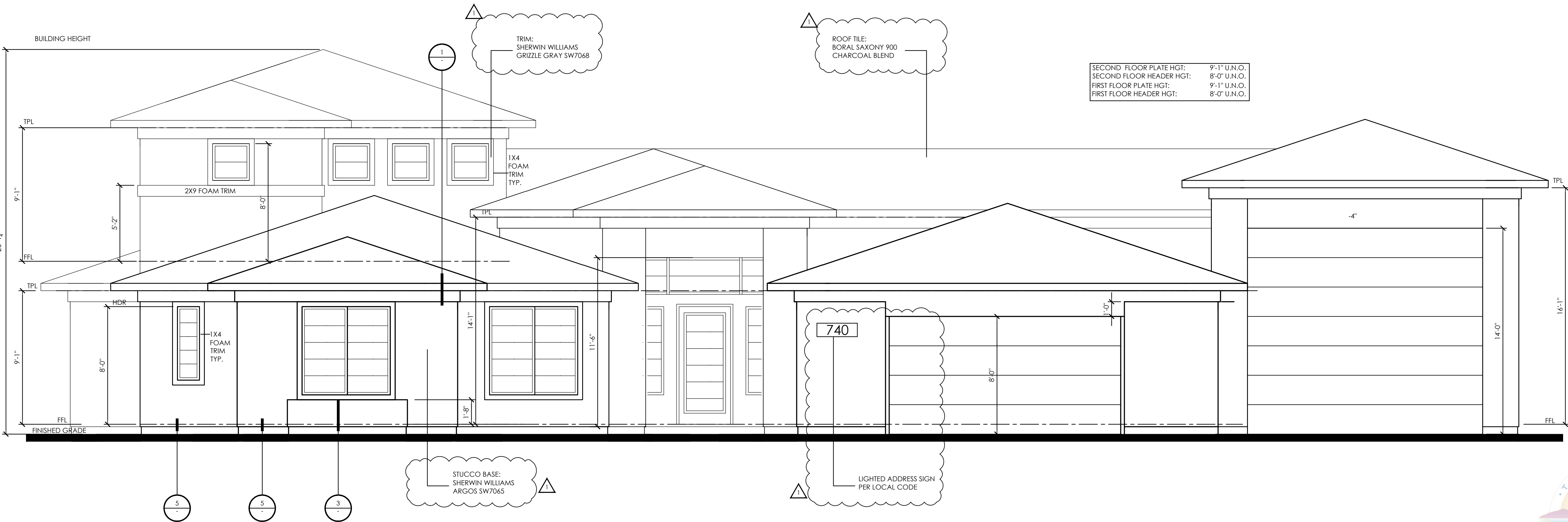
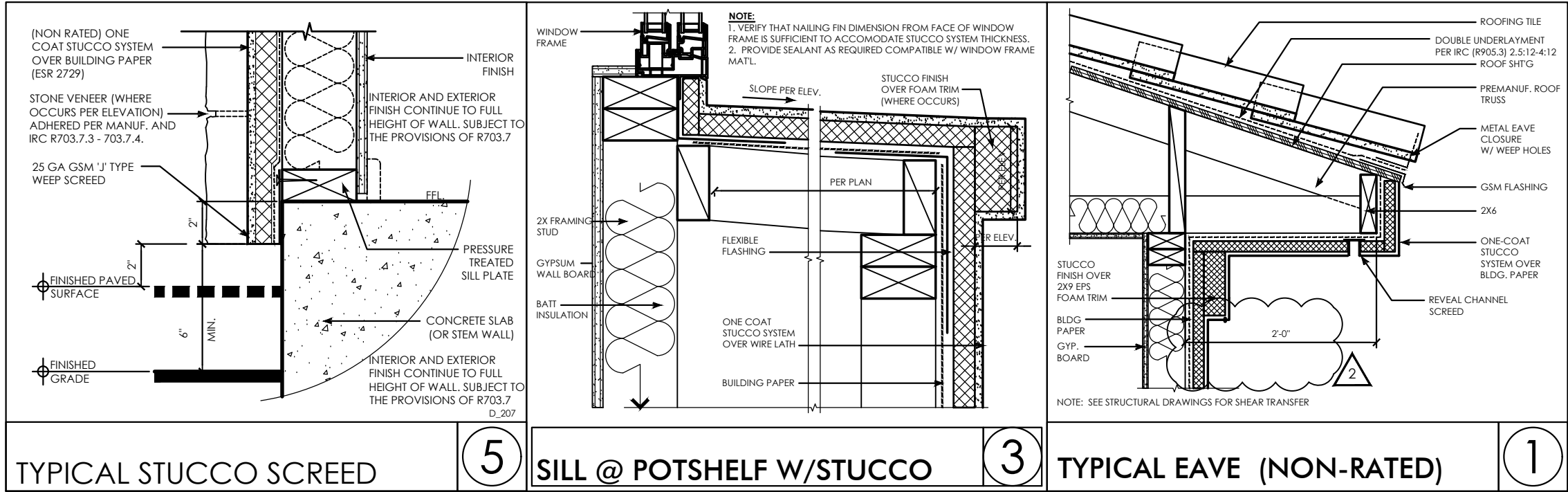
NOTE: ROOF TILE TO BE CONCRETE ROOF TILE BY Boral or Equal. EIR - 1447



RIGHT ELEVATION

SCALE: 1/4" = 1'-0"

A



FRONT ELEVATION

SCALE: 1/4" = 1'-0"

A



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PROJECT NAME/ADDRESS
740 NAPLES ST.
APN:
179-04-503-001

CLIENT
MILAN
CUSTOMS LLC
PO Box 530078
Henderson, NV 89053

REVISIONS

BUILDING
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DRAWING TITLE

ROOF PLAN A,
FRONT,
RIGHT
ELEVATIONS

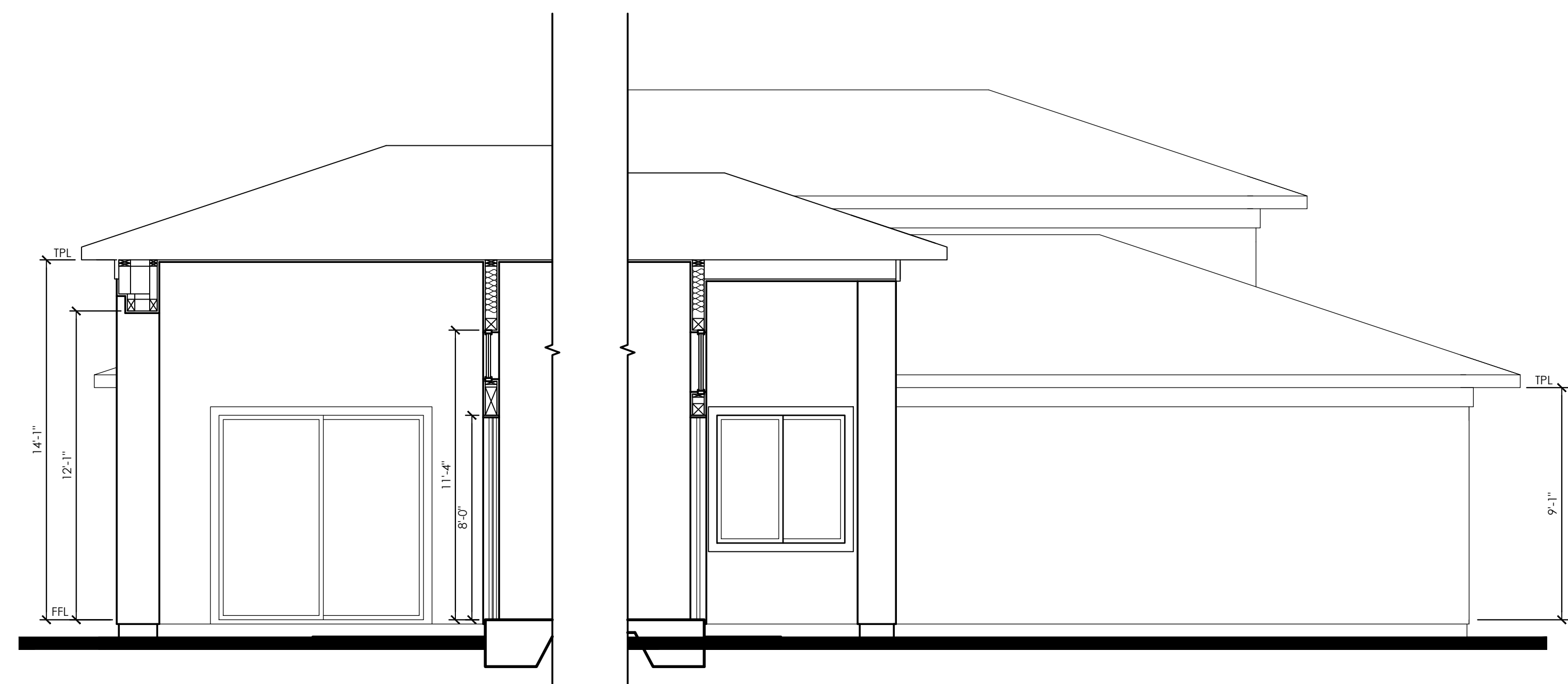
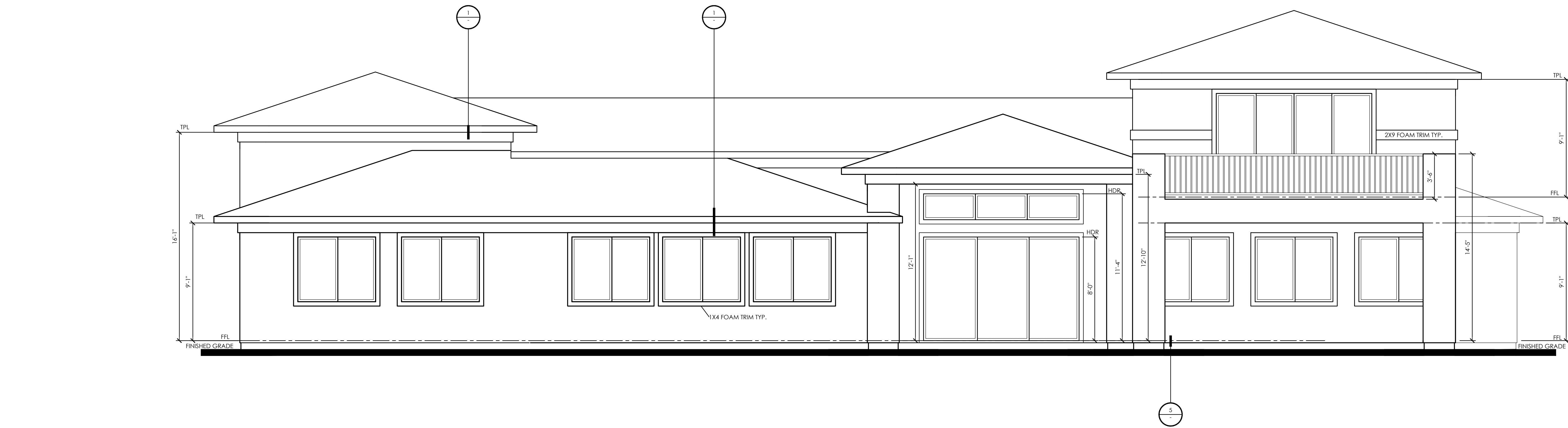
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FIRST SUBMITTAL DATE: 04.07.21
SCALE: 1/4" = 1'-0"

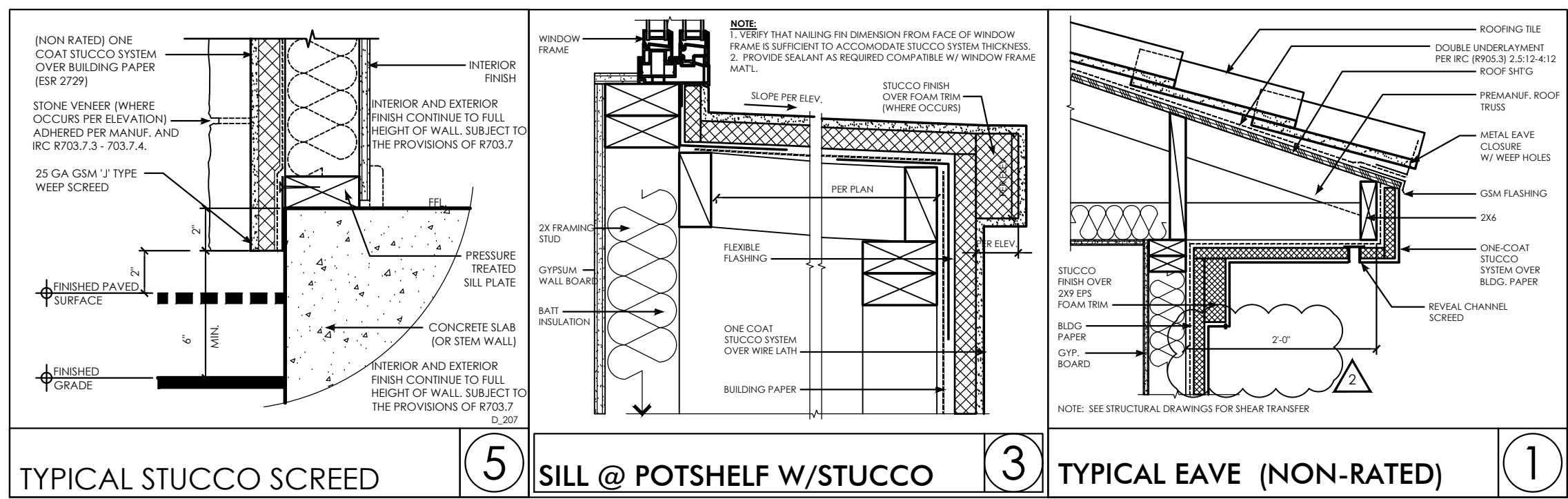
DRAWING NUMBER

A1-4.1

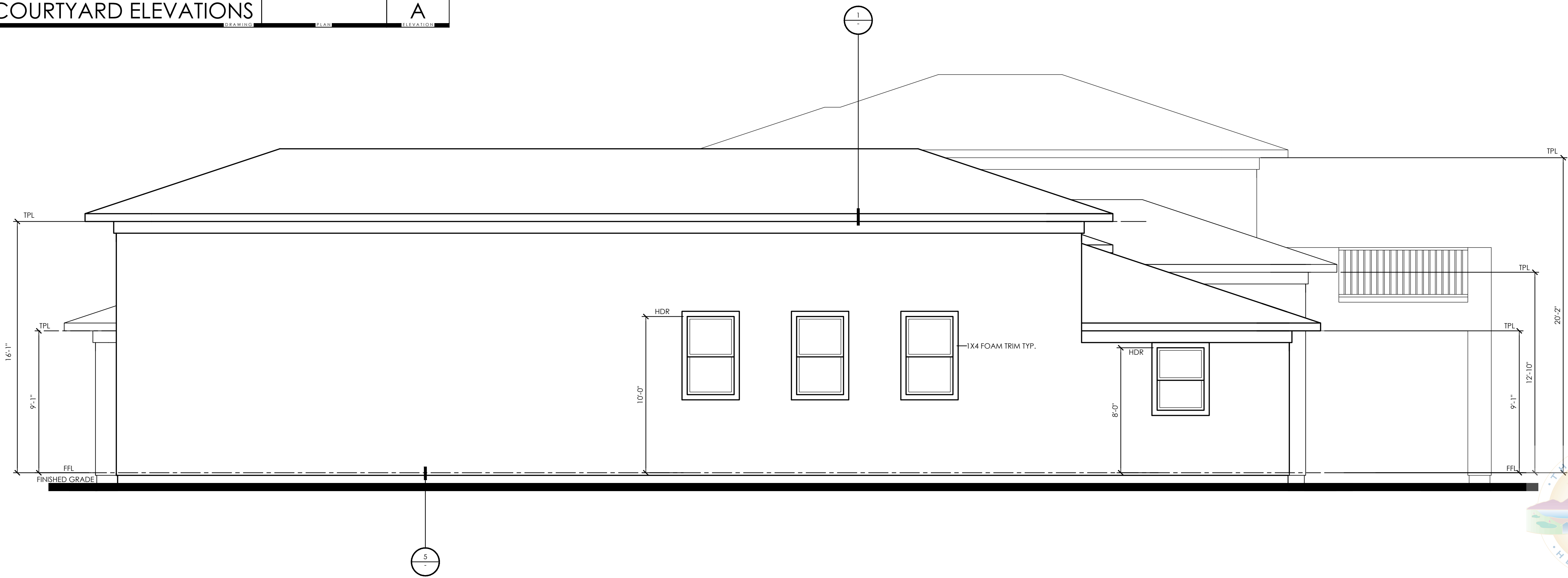
COMMUNITY DEVELOPMENT
APPROVAL
Sep 01 2021
PLANNER'S SIGNATURE: mjn



REAR ELEVATION



REAR LEFT PATIO & FRONT LEFT COURTYARD ELEVATIONS



LEFT ELEVATION



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179-04-503-001

CLIENT

MILAN
CUSTOMS LLC
PO Box 530078
Henderson, NV 89053

REVISIONS

BUILDING
CORRECTIONS 06.15.21

DRAWING TITLE

REAR, RIGHT
AND LEFT
PATIO &
COURTYARD
ELEVATIONS

DRAWING INFORMATION

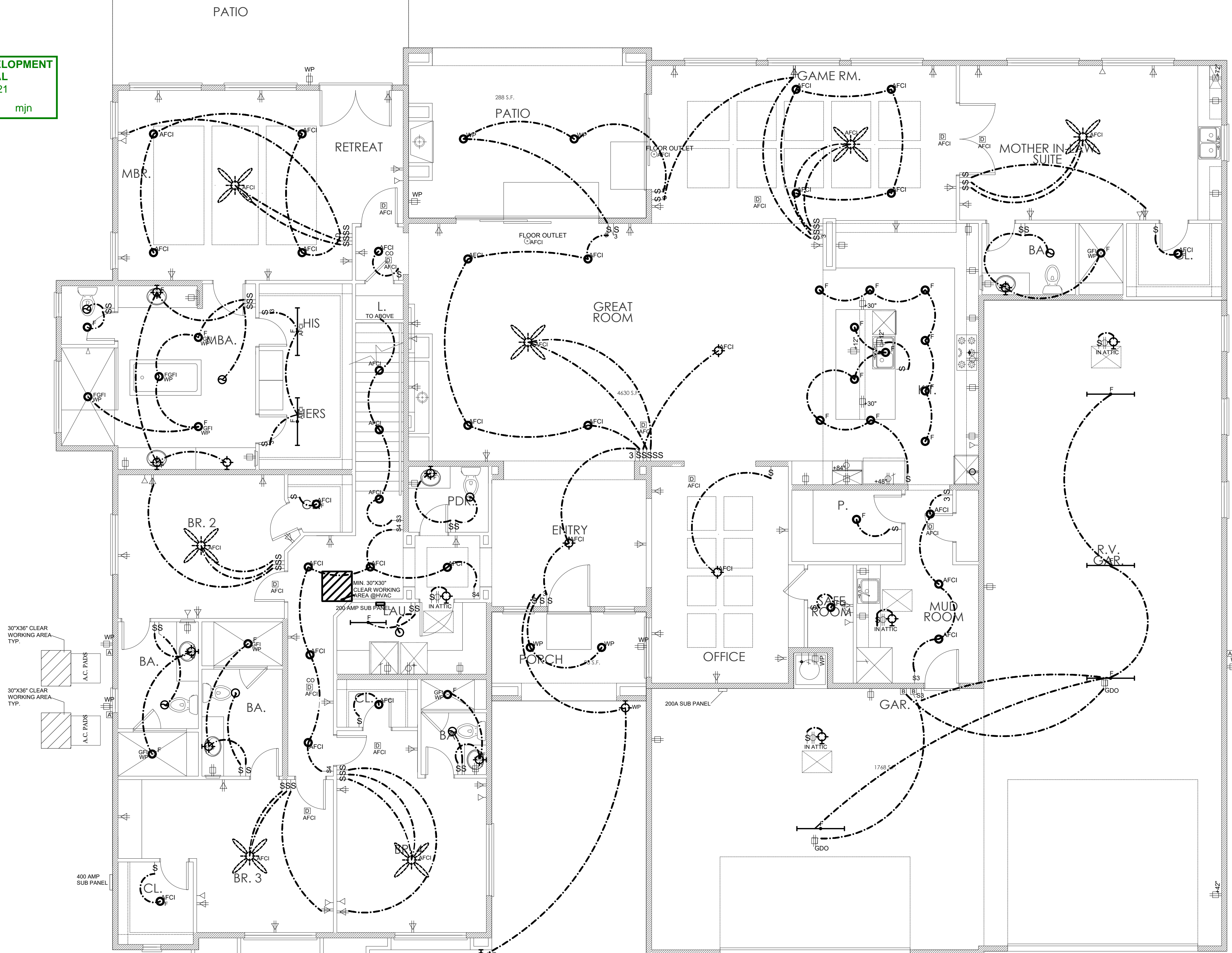
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FIRST SUBMITTAL DATE: 04.07.21
SCALE: AS SHOWN

DRAWING NUMBER

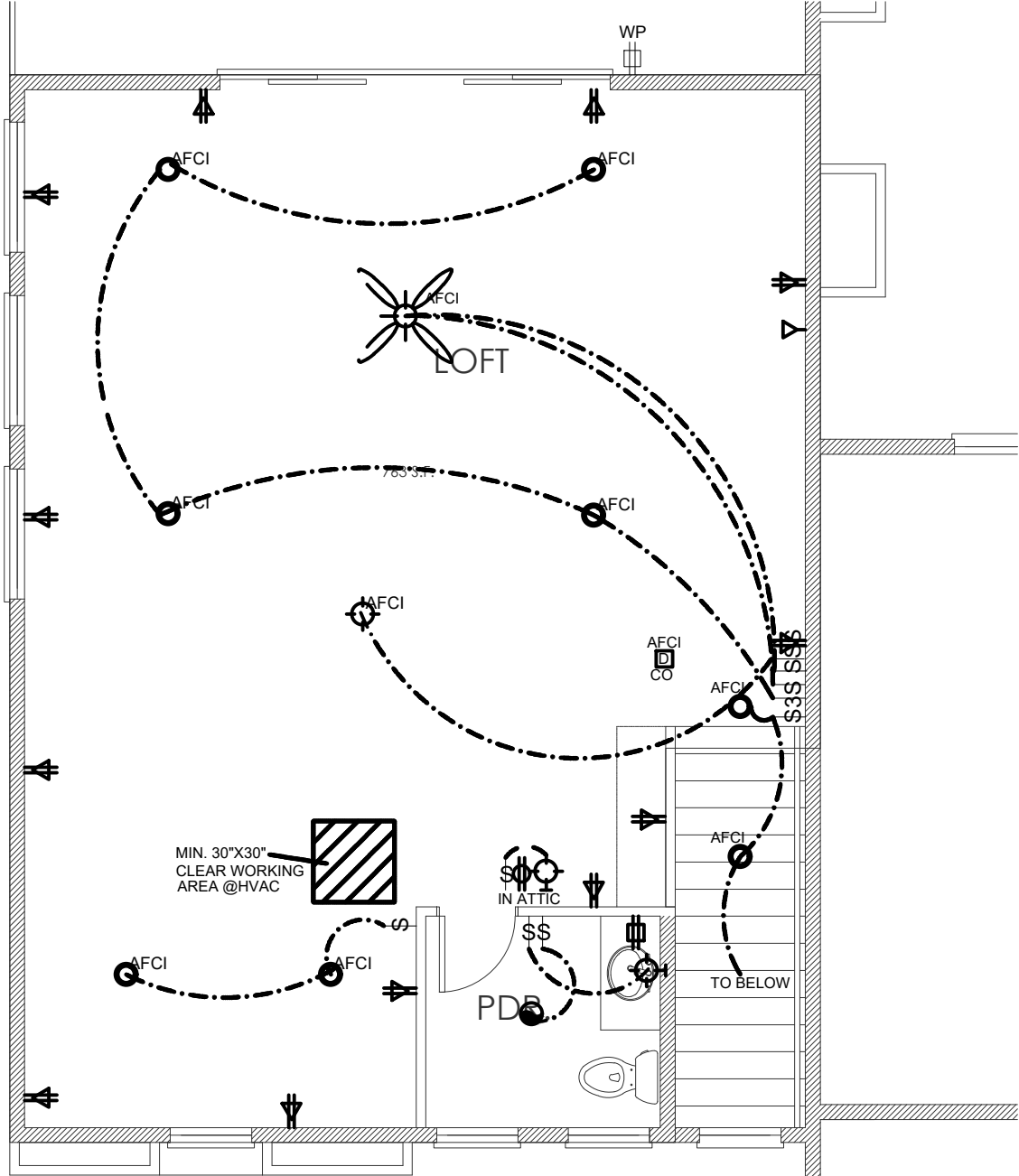
A1-4.2



COMMUNITY DEVELOPMENT
APPROVAL
Sep 01 2021
PLANNER'S SIGNATURE: mjn



ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"



LOFT PLAN
SCALE: 3/16" = 1'-0"

ELEC. FIXTURES SCHEDULE	
	110 VOLT DUPLEX OUTLET
	110 VOLT DUPLEX OUTLET PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER
	110 VOLT DUPLEX GROUND FAULT INTERRUPT OUT.
	220 VOLT OUTLET
	110 VOLT SPLIT WIRE DUPLEX OUTLET (1/2 HOT)
	110 VOLT WEATHER PROOF OUTLET
	DISHWASHER OUTLET
	GARBAGE DISPOSAL OUTLET
	CEILING LIGHT - PENDANT
	CEILING LIGHT - FLUSH MOUNT
	WALL MOUNT SCONCE
	RECESSED CEILING 'CANY' LIGHT
	RECESSED CEILING 'CANY' LIGHT (AFI IN ALL BEDROOMS & CLOSETS @ BEDRM)
	RECESSED CEILING 'CANY' LIGHT (WATERPROOF)
	LOW VOLT PIN SPOT LIGHT
	RECESSED CEILING 'CANY' LIGHT (OPTIONAL)
	3 LIGHT BAR
	5 LIGHT BAR
	2 LIGHT 24" FLOURESCENT FIXTR
	2 LIGHT 48" FLOURESCENT FIXTR
	2 LIGHT 48" FLOURESCENT FIXTR RECESSED IN CEILING
	CEILING FAN WITH LIGHT
	CEILING FAN ONLY (NO LIGHT)
	CEILING EXHAUST FAN
	CEILING MOUNTED MULLT - SMOKE/CARBON MONOXIDE DETECTOR
	SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	DIMMER SWITCH
	FAN SWITCH
	TELEPHONE JACK WITH OR DATA LINE (CAT-5 OR CAT-6) SEE OWNER/BUILDER FOR LOCATION
	TELEVISION JACK (CABLE READY)
	THERMOSTAT
	GARAGE OPENER BUTTON
	GAS VALVE
	GARAGE DOOR SENSOR-LT
	GARAGE DOOR SENSOR-RT
	JUNCTION BOX
	ELECTRICAL PANEL

NOTE: ALL RECEPTACLES SPECIFIED IN 210.52 THAT ARE NON-LOCKING SHALL BE TAMPER-RESISTANT RECEPTACLES NEC406.12

NOTE: A MINIMUM OF SIZE OF PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS 2018 EDC R404.1 2018 CODE.

NOTE: ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORES, LIBRARIES, DEKS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (NEC ARTICLE 210.12(A).

NOTE: ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORES, LIBRARIES, DEKS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (NEC ARTICLE 210.12(A).

NOTE: ALL RECEPTACLES SPECIFIED IN 210.52 THAT ARE NON-LOCKING SHALL BE TAMPER-RESISTANT RECEPTACLES NEC406.12

NOTE: A MINIMUM OF SIZE OF PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS 2018 EDC R404.1 2018 CODE

		CITY OF HENDERSON Department of Building & Fire Safety RESIDENTIAL ELECTRICAL LOAD CALCULATIONS	
Owner	Milan Customs	Date	6 / 21 / 21
Address	740 Naples St	Prepared by	JS
General Lighting Load Sq.Ft. 4731 X 3 Volt Amps = 14193 VA			
Small Appliance Circuits at 1500 VA each x 4 (min. of two) = 6000 VA			
Laundry (Washing Machine) Circuit 1500 VA x 1 (min. of one) = 1500 VA			
Sub-Total = 21693 VA			
First 3,000 VA of Lighting, Small Appliance, Laundry Load at 100% = 3,000 VA			
From 3,001 to 120,000 VA at 35% 18693 X .35 = 6543 VA			
Over 120,000 VA use 25% X .25 = VA			
Electrical Cooking Appliances, Use NEC Table 220-55			
(Number of Appliances) 2 Demand % x Total KW (Column A) x 1,000 = 9000 VA			
(Number of Appliances) Demand % x Total KW (Column B) x 1,000 = VA			
(Number of Appliances) Demand x Total KW (Column C) x 1,000 = VA			
Dryer Load NEC Table 220-54 = NA VA			
(1) Sub-Total = 18543 VA			
Heating/Air Conditioning - List type and VA at 100%			
(1) Heat Pump (G) 3120 () () 720			
(1) (G) 3120 () () 720			
(1) (G) 3120 () () 720			
(1) () () () ()			
(2) Sub-Total = 11520 VA			
Fixed Appliances - If fewer than four units, use 100%. If four or more, use 75% of the nameplate rating.			
Microwave 1500 VA x 300 Food Center 600 VA x			
Compactor 1200 VA x 1200 Hot Water 4500 VA x			
Dishwasher 1200 VA x 1800 1800 VA x 1800			
Disposal 600 VA x 600 600 VA x			
Cord Vacuum 1800 VA x 1800 VA x			
Appliance Subtotal 6650 x (100%) OR (75%) (3) Sub-Total = 4988 VA			
Add 25% of the largest motor (typical AC compressor)			
3120 X 25% LM 780 (4) Sub-Total = 780 VA			
5) Spare 20amps x 240 volts Sub-Total = 4,800 VA			
GRAND TOTAL (Add Sub-Totals (1), (2), (3), (4), (5)) = 40631 VA			
Total Volt Amps 40631 Divide by 240 Volts = 169.30 Amps			
Service Size 225 Grounding Electrode Conductor #4 AWG			
BFP-4200 Rev. (4/15/08)			

REVISIONS	
NO.	DATE
—	—
—	—
—	—
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NAME: ASSURED DEVELOPMENT	PHONE: 868-0900	MAILING ADDRESS: PO BOX 530078 HENDERSON NV 89053

SITE ADDRESS: 740 N. NAPLES ST. (LOT2) HENDERSON, NV. 89015	PARCEL # 179-04-510-002

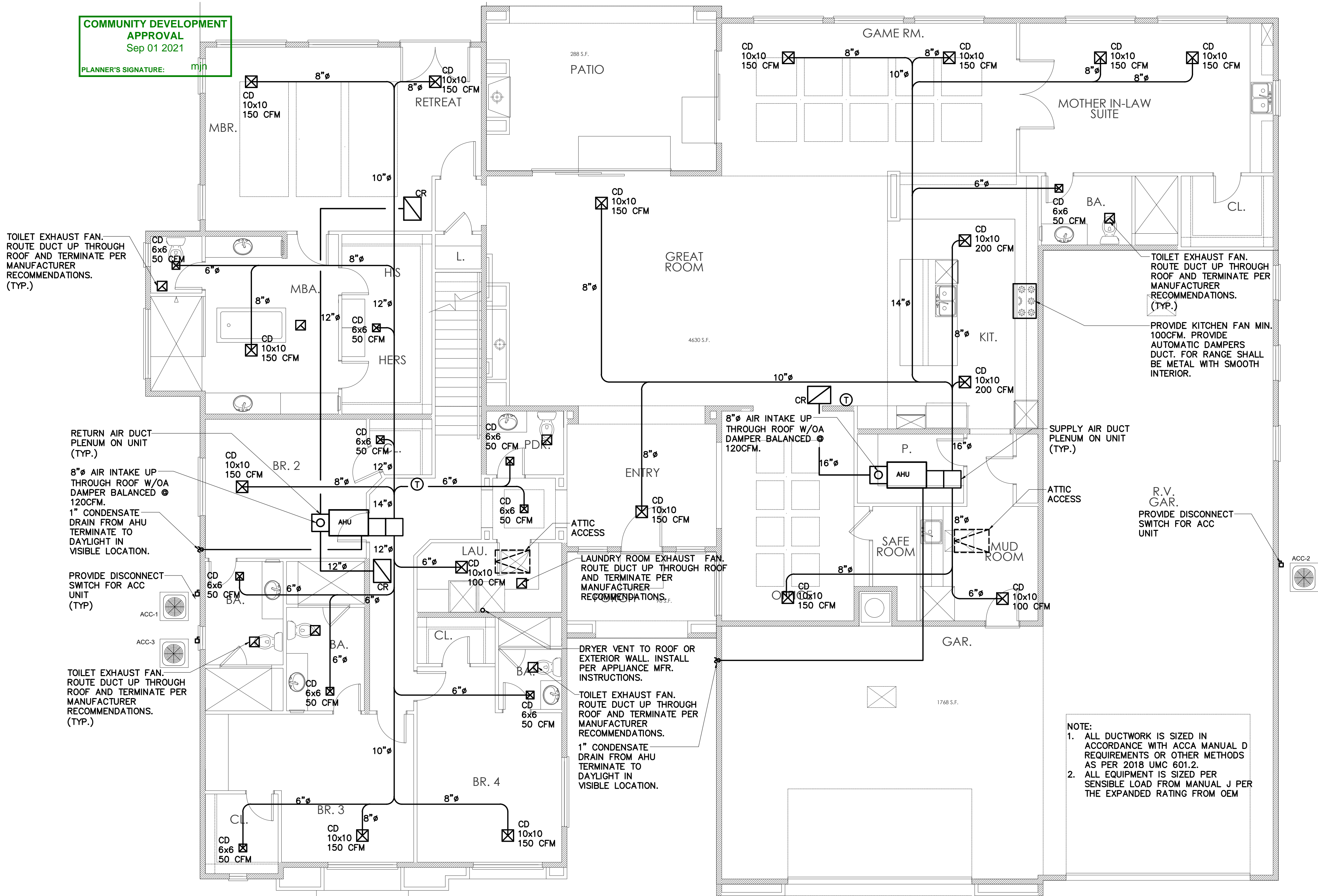
DESIGN BUILD ELECTRIC LIC# 60151
DESIGN BUILD ELECTRIC NV Lic # 60151 <i>See Sign</i>

ELECTRICAL PLAN

ORIGINAL DATE: 04/13/21
SCALE: 3/16" = 1'-0"
LIVABLE AREA: 5,393 SQ. FT.

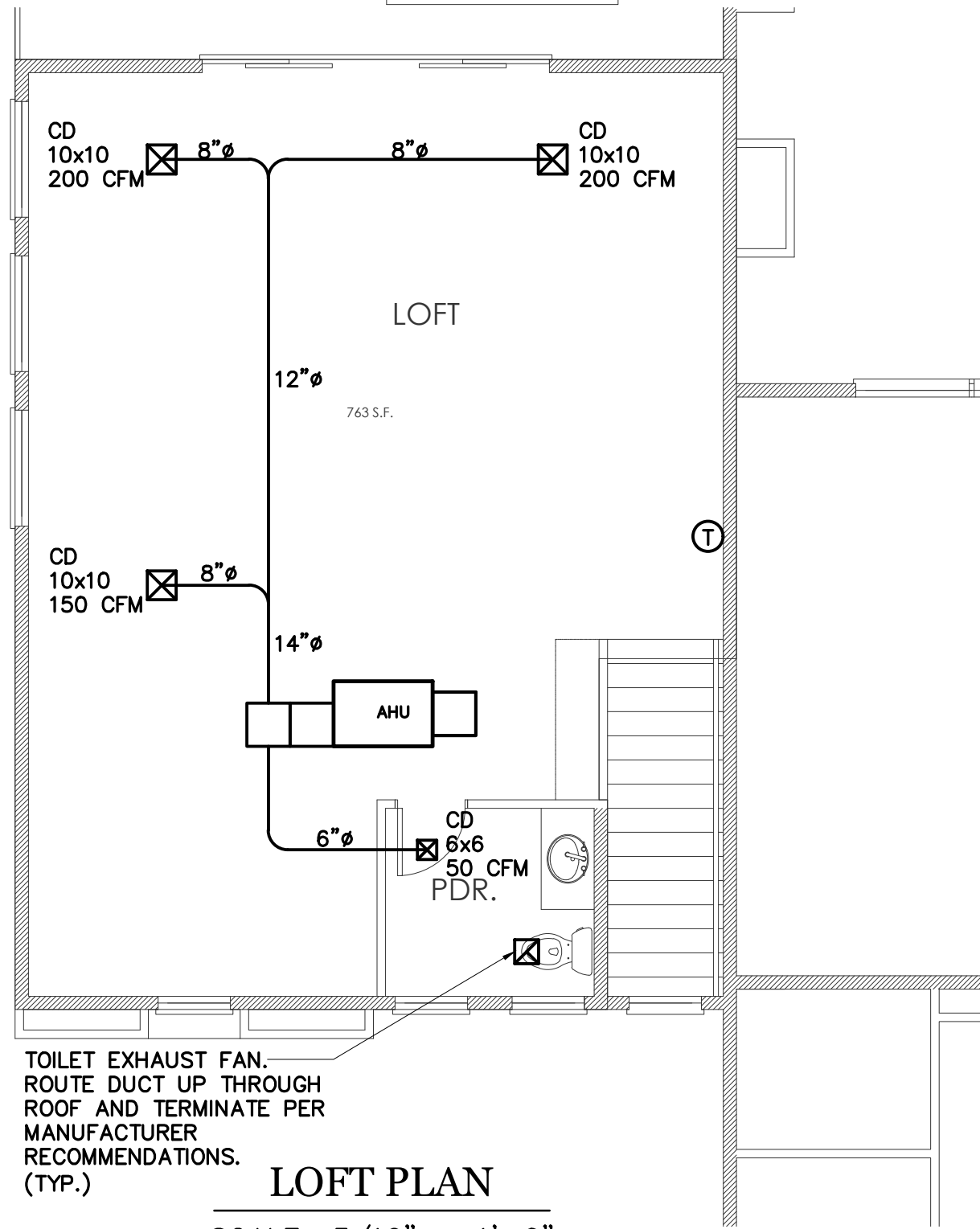
E1.0

COMMUNITY DEVELOPMENT
APPROVAL
Sep 01 2021
PLANNER'S SIGNATURE: [Signature]



MECHANICAL PLAN

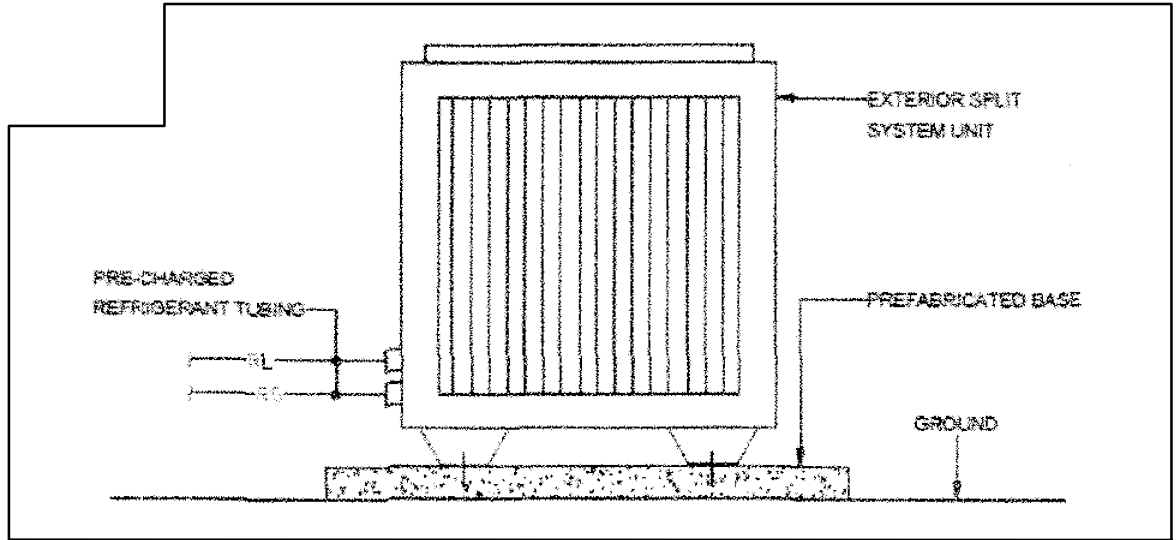
SCALE: 3/16" = 1'-0"



LOFT PLAN

SCALE: 3/16" = 1'-0"

LEGEND	
SYMBOL	DESCRIPTION
	NEW SUPPLY DIFFUSER
	NEW RETURN GRILLE
	NEW T-STAT
	FAN SWITCH
	NEW RIGID DUCT
	TAKE-OFF WITH VOLUME DAMPER
	FLEXIBLE CONNECTION
	UNDER CUT DOOR
	VOLUME DAMPER
	FIRE SMOKE DAMPER W/ACCESS DOOR



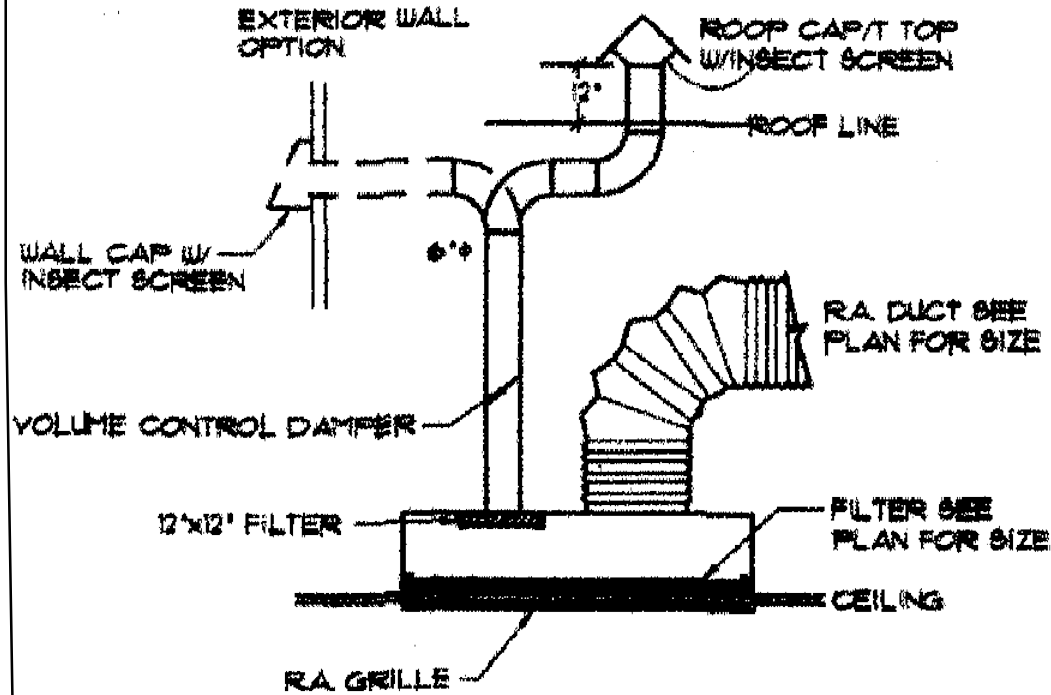
AIR OUTLETS SCHEDULE		
TYPE	DESCRIPTIONS	MFR. MODEL NO.
CD	CEILING SUPPLY DIFFUSER FOR GYP. BOARD CLG. INDIVIDUALLY ADJUSTABLE ALUMINUM CONSTRUCTION. ROUND NECK ADAPTER AND WITH DAMPER	NAILOR 51C OR EQUAL
CR	CEILING RETURN REGISTER WITH 1/2" GRID CORE FACE GYP. BD W/FILTER FRAME, FILTER AND ROUND NECK ADAPTER.	NAILOR 51FE OR EQUAL

MECHANICAL UNIT SCHEDULE		
EQUIPMENT	TONNAGE	ELECTRICAL
RUUD 4.0 TON SYSTEM PROPANE/ELECTRIC	4.0 TONS	208/1
RUUD 4.0 TON SYSTEM PROPANE/ELECTRIC	4.0 TONS	208/1
RUUD 3.0 TON SYSTEM PROPANE/ELECTRIC	3.0 TONS	208/1

EXHAUST FAN SCHEDULE		
EQUIPMENT	QTY.	ELECTRICAL
EF-1 BROAN F-60 CEILING MOUNT	9	120/1
KITCHEN EXHAUST FAN 100 CFM MIN	1	120/1

- GENERAL NOTES:
- ALL WORK SHALL BE IN ACCORDANCE WITH 2018 IBC, UMC, UPC, IECC & NFPA, IE22 AND 2017 NEC. ALL LATEST RULES, REGULATIONS AND ORDINANCES OF THE CLARK COUNTY AND STATE OF NEVADA.
 - ALL EXPOSED ROUND DUCT SHALL BE SPIRAL DUCT.
 - ALL NEW DUCTWORK WILL BE CONSTRUCTED AND SUPPORTED UNDER LATEST EDITION OF SMACNA AND 2018 UMC. ALL ROUND FLEXIBLE DUCT ABOVE CEILING SHALL BE FLEXIBLE DUCT WITH MIN R-8 INSULATION. GREASE DUCT SHALL BE 18 GA. STAINLESS STEEL.
 - DUCT INSULATION WILL BE IN ACCORDANCE WITH 2018 IECC ENERGY CODE
 - ALL DUCT SHALL BE INSTALLED TO CLEAR LIGHTS AND BUILDING STRUCTURES.
 - ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION.
 - KITCHEN HOOD INSTALLATION SHALL COMPLY WITH CITY OF HENDERSON AND THE 2018 UMC.
 - PROVIDE AUTOMATIC FIRE EXTINGUISHING SYSTEM TO BE INTERCONNECTED WITH COOKING EQUIPMENT FUEL SUPPLY FOR AUTOMATIC SHUT-OFF.
 - SUBMIT THREE COPIES OF SHOP DRAWINGS AND SUBMITTALS FOR REVIEW AND APPROVAL BEFORE ORDERING MATERIALS.
 - SUBMIT THREE COPIES OF BALANCING REPORT.
 - COORDINATE WITH ELECTRICIAN FOR POWER CONNECTIONS.

Air intakes shall close automatically and be located min of 10ft from vents, chimneys or plumbing vents



RETURN AIR W/ OA CONNECTION

NO SCALE

Provide make up Air

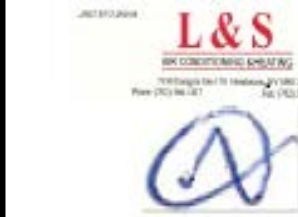
Bedrooms 4+1=5x5=25 CFM
Livable Area 3716sqftx 0.06=222.96 CFM
Grand Total = 247.96 CFM

REVISIONS

NO.	DATE
—	—
—	—
—	—
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—	—
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NAME: ASSURED DEVELOPMENT
PHONE: (702) 868-0900
MAILING ADDRESS: PO BOX 530078 HENDERSON NV 89053

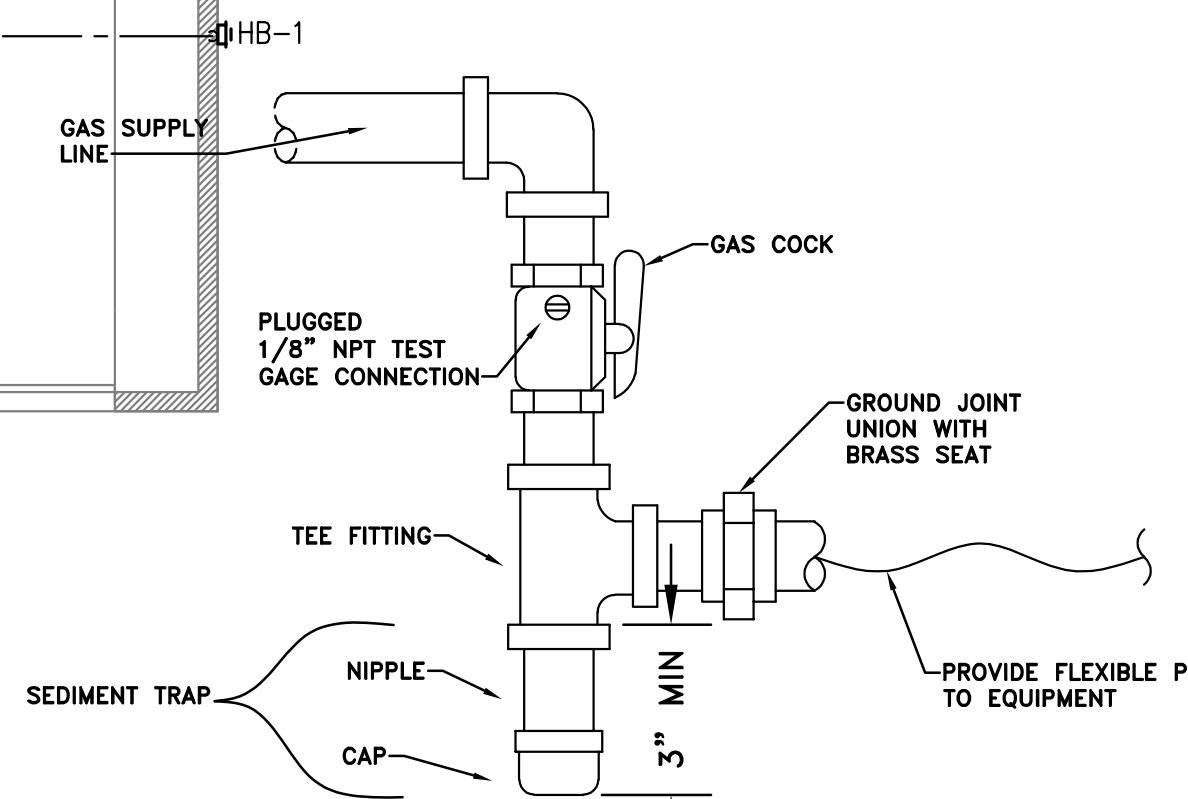
SITE ADDRESS: 740 N. NAPLES ST. (LOT2) HENDERSON, NV. 89015
PARCEL # 179-04-310-002



MECHANICAL PLAN

ORIGINAL DATE: 04/13/21
SCALE: 3/16" = 1'-0"
LIVABLE AREA: 5,393 SQ. FT.

M1.0



GAS CONNECTION DIAGRAM

The diagram illustrates a gas distribution system with the following components and specifications:

- PATIO FIREPLACE:** 40 CFH, served by a 1/2" GAS line with a 10FT vertical run.
- BBOQ:** 75 CFH, served by a 3/4" GAS line with a 10FT vertical run.
- FURNACE:** 100 CFH, served by a 3/4" GAS line with a 9FT vertical run.
- DWH-1:** 70 CFH, served by a 1/2" GAS line with a 10FT vertical run.
- OVEN:** 40 CFH, served by a 1/2" GAS line with a 10FT vertical run.
- RANGE:** 40 CFH, served by a 1/2" GAS line with a 10FT vertical run.

Horizontal Pipe Segments:

- A main horizontal segment at the top is labeled 32FT.
- A middle horizontal segment is divided into three sections: 15FT, 9FT, and 10FT.
- A bottom horizontal segment is labeled 10FT.

Vertical Pipe Segments:

- Two vertical segments are labeled 20FT.
- One vertical segment is labeled 10FT.
- Another vertical segment is labeled 10FT.

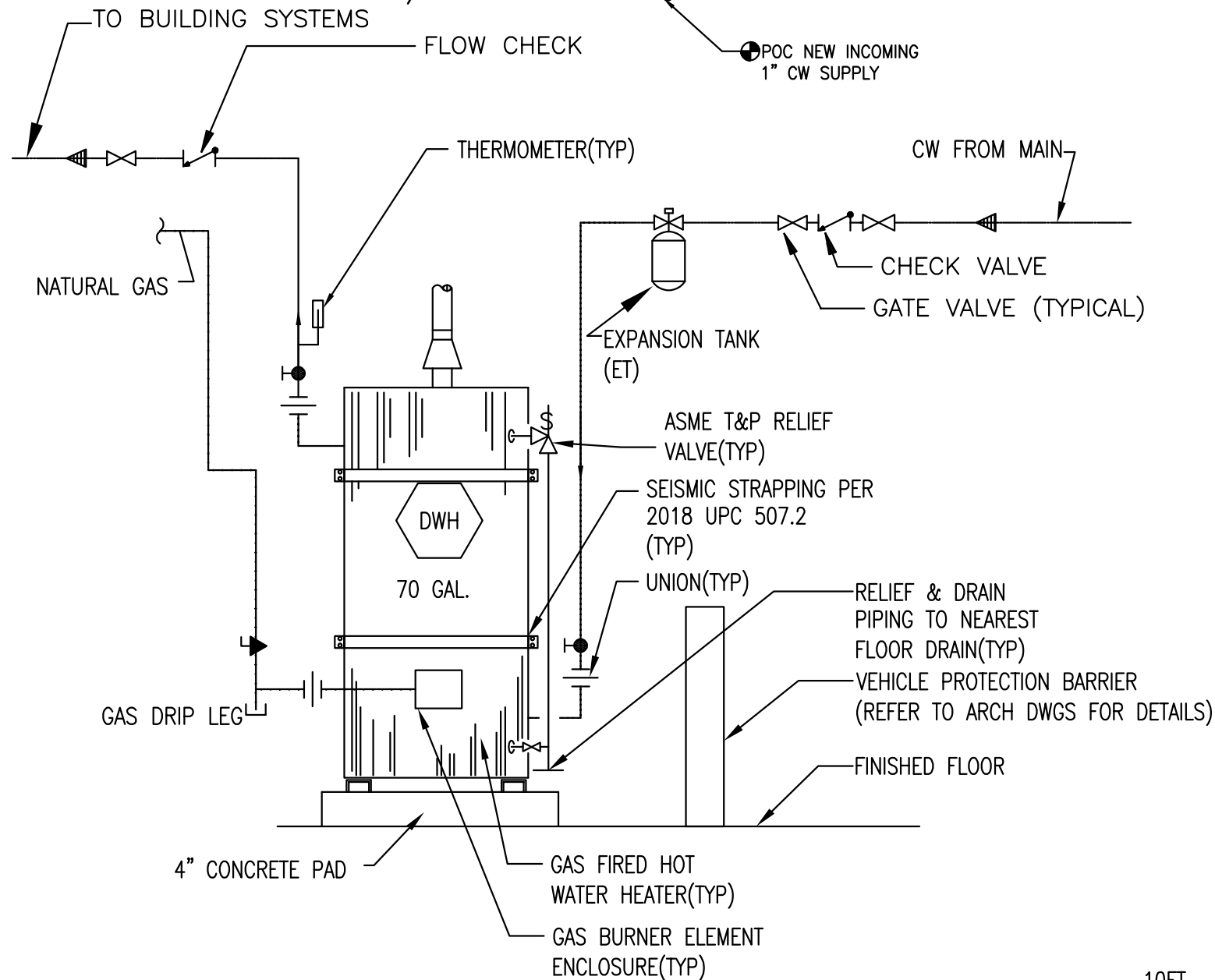
ISOMETRIC GAS PIPE SIZING DIAGRAM
IRON PIPE UPC TBL 1215.2(1)
150 FT DEVELOPED LENGTH
NAT GAS LESS THAN 2 PSI, SG=0.6,
0.5 IN WC PRESSURE DROP

GAS PIPE SIZED USING THE LONGEST
LENGTH METHOD AS PER 2018 UPC
1215.1.1.

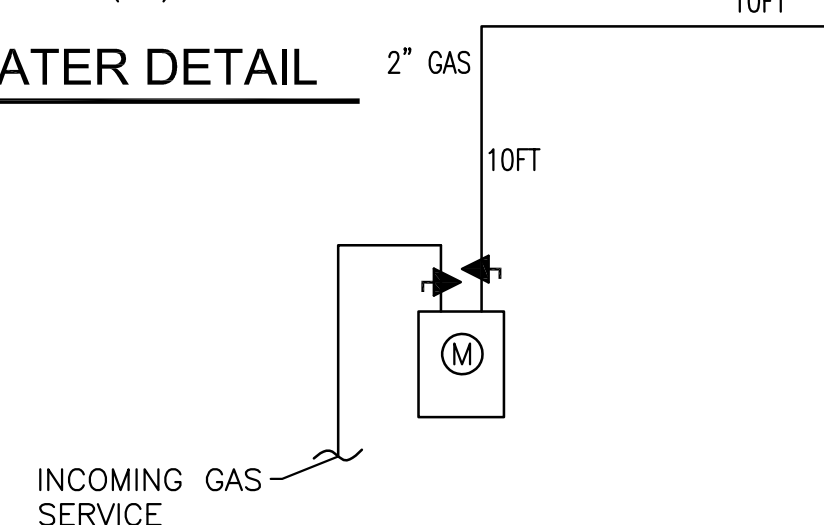
- | TAG | SIZE IN INCHES | | | | REMARKS |
|----------------------|----------------|--------|------|------|---|
| | SOIL | VENT | CW | HW | |
| WC-1
WATER CLOSET | 3" | 2" | 1/2" | - | WATER CLOSET AS SELECTED BY OWNER, ANGLE STOP |
| L-1
LAVATORY | 1 1/2" | 1 1/2" | 1/2 | 1/2 | LAVATORY AS SELECTED BY OWNER, ANGLE STOPS, P-TRAP |
| L-2
LAVATORY | 1 1/2" | 1 1/2" | 1/2 | 1/2 | LAVATORY AS SELECTED BY OWNER, ANGLE STOPS, P-TRAP |
| BT-1
BATH TUB | 2" | 2" | 1/2" | 1/2" | BATH TUB AS SELECTED BY OWNER, P-TRAP |
| BT-2
BATH TUB | 2" | 2" | 1/2" | 1/2" | BATH TUB AS SELECTED BY OWNER, P-TRAP |
| SH-1
SHOWER | 2" | 2" | 1/2" | 1/2" | SHOWER AS SELECTED BY OWNER, P-TRAP |
| KS-1
KITCHEN SINK | 2" | 2" | 1/2" | 1/2" | SINK AS SELECTED BY OWNER, ANGLE STOPS, P-TRAP |
| KS-2
KITCHEN SINK | 2" | 2" | 1/2" | 1/2" | SINK AS SELECTED BY OWNER, ANGLE STOPS, P-TRAP |
| KS-3
KITCHEN SINK | 2" | 2" | 1/2" | 1/2" | SINK AS SELECTED BY OWNER, ANGLE STOPS, P-TRAP |
| US-1
UTILITY SINK | 1 1/2" | 1 1/2" | 1/2 | 1/2 | SINK AS SELECTED BY OWNER, ANGLE STOPS, P-TRAP |
| HB-1
HOSE BIBB | - | - | 1/2" | - | WOODFORD, VACUUM BREAKER, CHROME FINISH |
| WB-1
WALL BOX | 2" | 2" | 1/2" | 1/2" | WOODFORD, VACUUM BREAKER, CHROME FINISH |
| DW-1
DISHWASHER | - | - | 1/2" | - | DISHWASHER AS SELECTED BY OWNER, SAN & VENT ROUTED THROUGH KS-1 |



SCALE: $3/16" = 1'-0"$



NOT TO SCALE



ISOMETRIC LP DIAGRAM

DATE: 2021-07-08

ORIGINAL DATE:	04/13/21
SCALE:	1/8" = 1'-0"
LIVABLE AREA:	3,393 SQ. FT.

P1.0