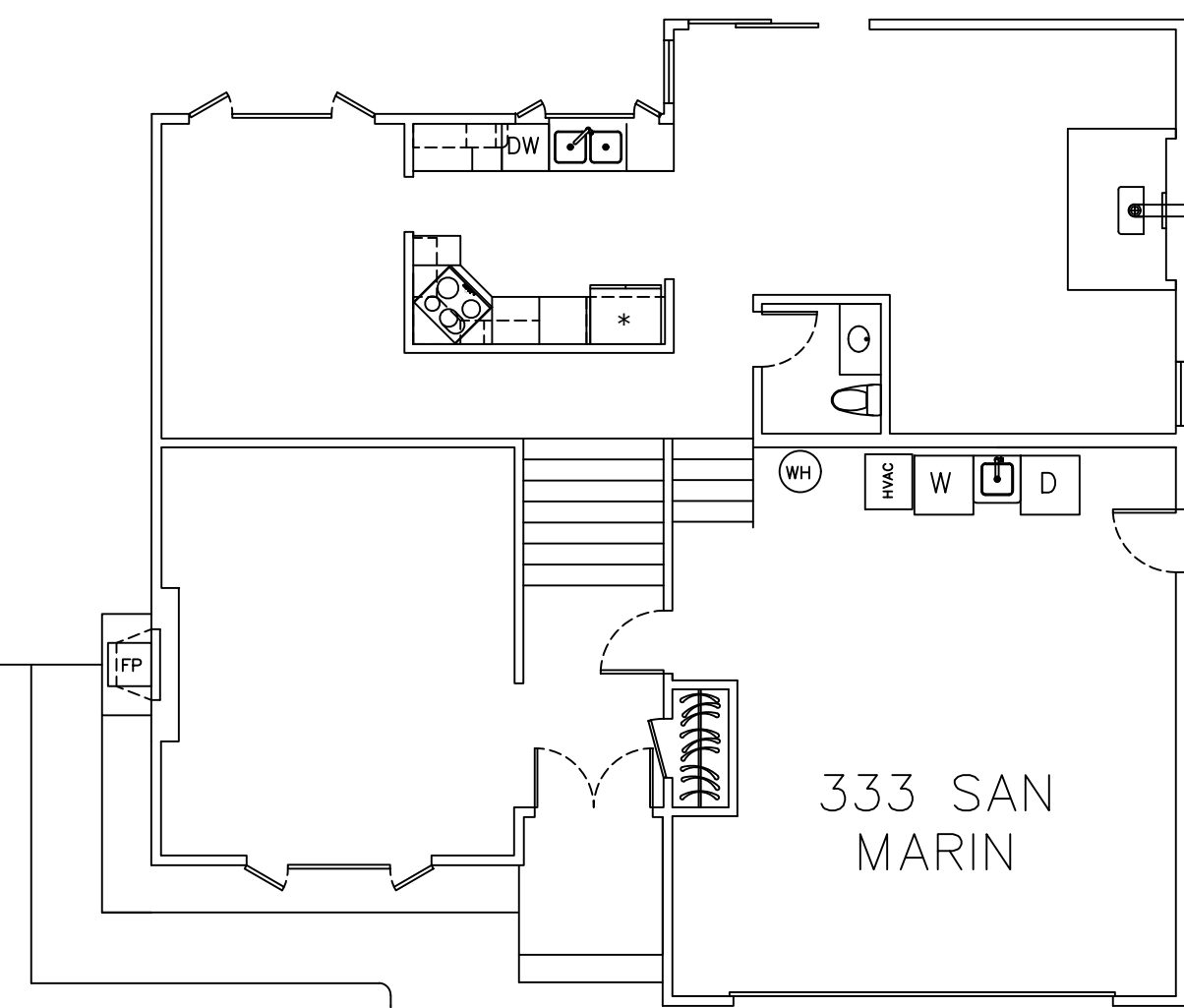


61 FEET — S71°05'W

CONCRETE PATIO



129.02 FEET — N 18°55'W

337 SAN MARIN

DRIVEWAY

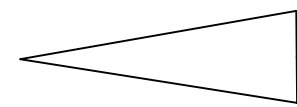
333 SAN MARIN

16" OAK

CONCRETE WALK

CONCRETE

SAN MARIN DR



CENTER
MEDIAN

(E) SITE PLAN
SCALE: 1/8"=1'-0"

333 SAN MARIN DR CLOSET & OFFICE ADDITION

ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
 CALIFORNIA BUILDING CODE, 2019 EDITION
 CALIFORNIA RESIDENTIAL CODE, 2019 EDITION
 CALIFORNIA PLUMBING CODE, 2019 EDITION
 CALIFORNIA MECHANICAL CODE, 2019 EDITION
 CALIFORNIA ELECTRICAL CODE, 2019 EDITION
 2019 CALIFORNIA REFERENCED STANDARDS CODE
 2019 CALIFORNIA ENERGY CODE
 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
 CITY OF NOVATO MUNICIPAL CODE
 COUNTY OF MARIN CODES AND ORDINANCES

CONTRACTOR MUST RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH SECTION 4.408.1, ON SHEET G1.0, ALTERNATELY, THE CONTRACTOR MAY ELECT TO USE THE CITY OF NOVATO'S WASTE MANAGEMENT PLAN (WMP) FOR CONSTRUCTION DEMOLITION (C&D) RECYCLING AND REUSE WHICH CAN BE FOUND AT THE FOLLOWING LINK:
[HTTPS://WWW.NOVATO.ORG/HOME/SHOWDOCUMENT?ID=468](https://www.novato.org/home/showdocument?id=468)

DESCRIPTION OF WORK:
 ADD A WALK IN CLOSET AND OFFICE OVER THE EXISTING KITCHEN & DINING ROOM

PROJECT DATA:

COUNTY: MARIN
 APN#: 124-291-057
 YEAR BUILT: 1976
 ZONING: R-1
 OCCUPANCY: R-3
 CLIMATE ZONE: 2
 TYPE OF CONSTRUCTION: V-B
 SEISMIC CATEGORY "D"
 SPRINKLERS: NO
 STORIES: 1
 BEDROOMS: (E) 3 (N) 3
 BATHROOMS: (E) 2.5 (N) 2.5

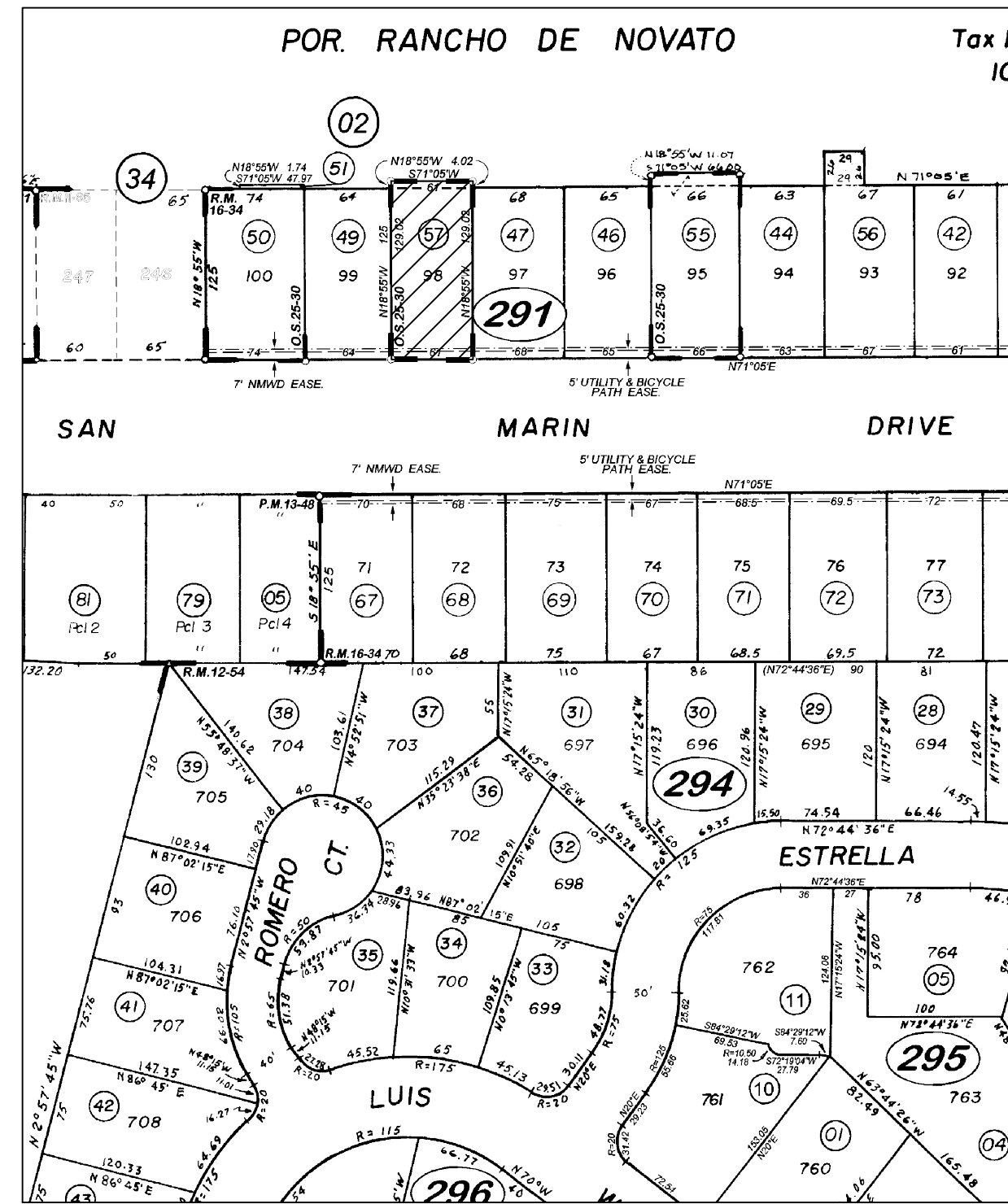
| | |
|---------------------|-------------|
| (E) RESIDENCE: | 2,012 SQ FT |
| RESIDENCE ADDITION: | 307 SQ FT |
| (N) LIVING AREA: | 2,319 SQ FT |

| | |
|------------------|-----------|
| (E) GARAGE: | 480 SQ FT |
| GARAGE ADDITION: | 0 SQ FT |
| (N) GARAGE AREA: | 480 SQ FT |

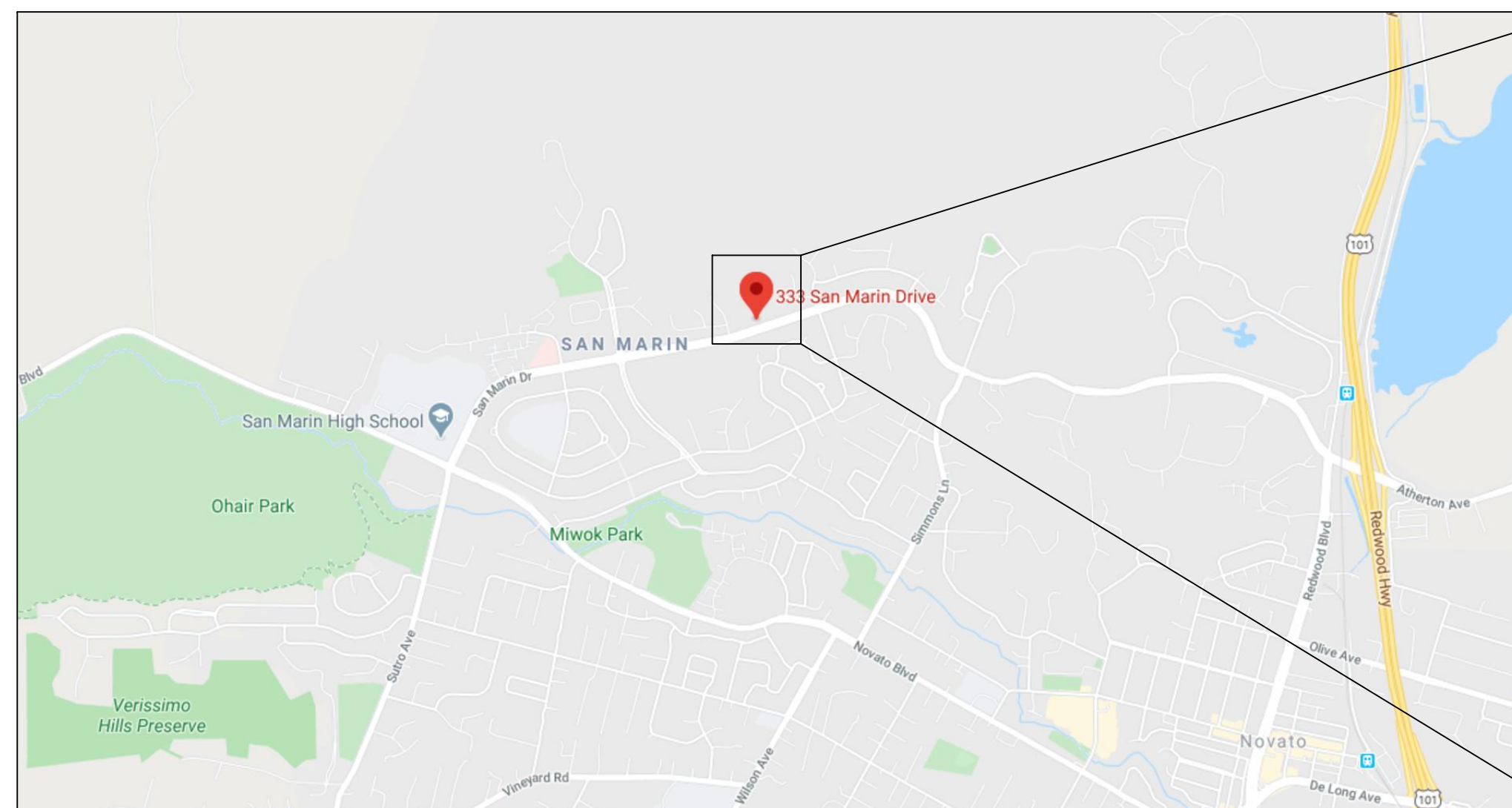
| | |
|--------------------------|-------------|
| (E) BUILDING TOTAL S.F.: | 2,492 SQ FT |
| (N) BUILDING TOTAL S.F.: | 2,799 SQ FT |
| LOT SF: | 7,870 SQ FT |

SHEET INDEX:

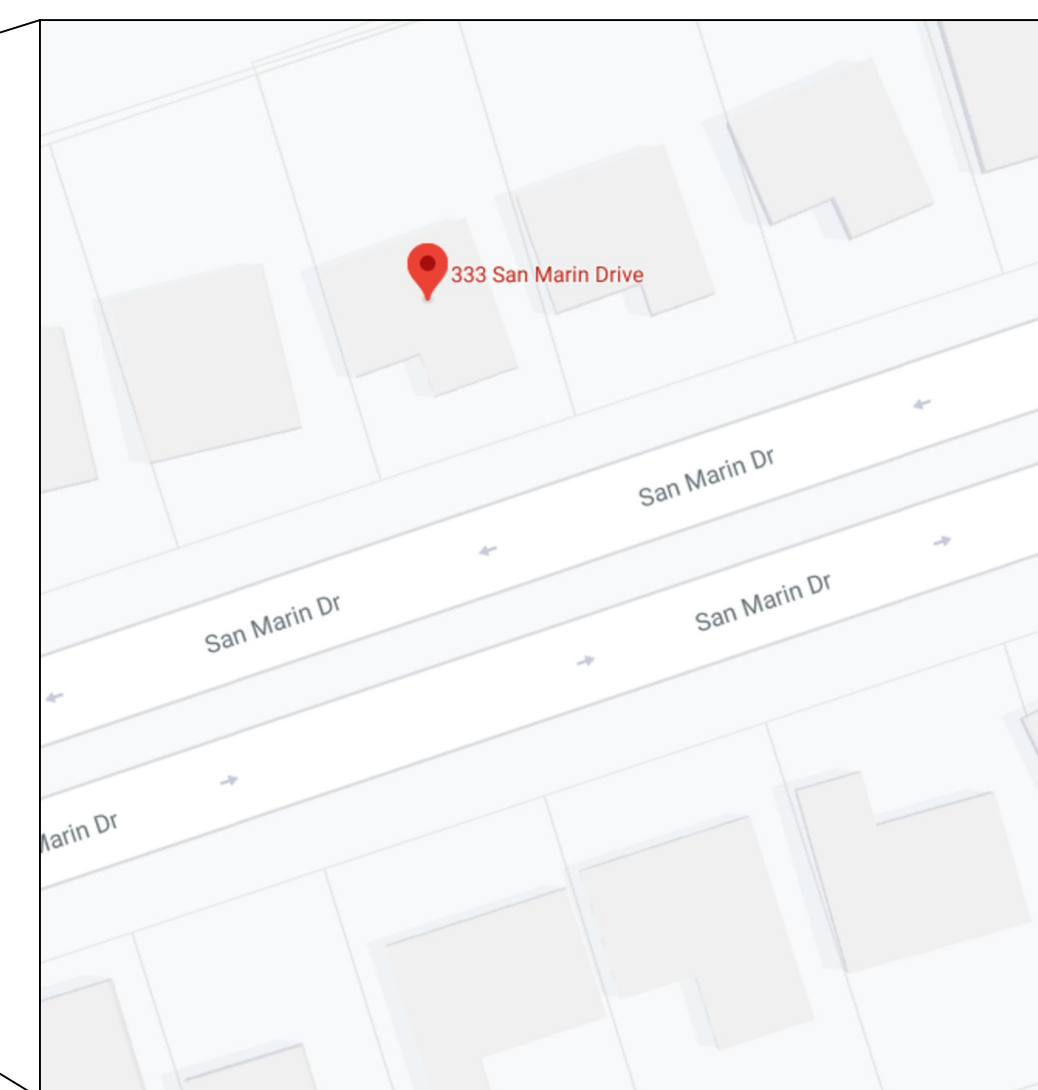
- A0.1 COVER, PROJECT DATA, INDEX
- A0.2 CODE & CONSTRUCTION NOTES
- G1.0 CAL GREEN REQUIREMENTS
- G1.1 CAL GREEN REQUIREMENTS
- WUI WUI REQUIREMENTS
- A1.00 (N) SITE PLAN
- A1.10 (E) FLOOR PLANS
- A1.11 (N) FLOOR PLAN & DEMOLITION PLAN
- A1.12 CONSTRUCTION PLAN + DOOR & WINDOW SCHEDULE
- A1.13 ROOF PLAN
- A4.10 SECTION VIEW & FRAMING DETAILS
- A5.10 DETAILS
- A3.10 ELEVATIONS — WEST & SOUTH
- A3.11 ELEVATIONS — NORTH
- EM1.10 ELECTRICAL & MECHANICAL PLANS



ASSESSORS PARCEL MAP



VICINITY MAP



LOCAL MAP

Revision History

| | |
|---|----------------------|
| | AS-BUILT |
| | PRELIMINARY DESIGN |
| | DESIGN |
| | PERMIT SET |
| ▲ | PLAN REVIEW COMMENTS |
| ▲ | PLAN REVIEW COMMENTS |
| | |
| | |

REMODEL & ADDITION

OWNER:

Drawing By:

Chris Klimen

klimen@att.net

PH: 510.928.1359

Peter Christopher Klimen

DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN
 EMAIL:KLIMEN@ATT.NET DATE: 00/00/00

SITE DATA
 SHEET INDEX
 SITE PLAN

A0.1



2016 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 1 (INCLUDING JULY 1, 2018, INTERVENING SUPPLEMENT)

| Y | NA | RESPON PARTY |
|---|----|---|
| | | CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL |
| | | 301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7. |
| | | 301.1.1 Additions and alterations. [HCD] The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the addition or alteration increases the building's conditioned area, volume, or size. The requirements shall apply only to and/or within the specific area of the addition or alteration. |
| | | Note: On and after January 1, 2014, residential buildings undergoing permitted alterations, additions, or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates. |
| | | 301.2 LOW-RISE AND HIGH-RISE RESIDENTIAL BUILDINGS. [HCD] The provisions of individual sections of CALGreen may apply to either low-rise residential buildings high-rise residential buildings, or both. Individual sections will be designated by banners to indicate where the section applies specifically to low-rise only (LR) or high-rise only (HR). When the section applies to both low-rise and high-rise buildings, no banner will be used. |
| | | SECTION 302 MIXED OCCUPANCY BUILDINGS |
| | | 302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy. |
| | | ABBREVIATION DEFINITIONS: HCD Department of Housing and Community Development BSC California Building Standards Commission DSA-SS Division of the State Architect, Structural Safety OSHDP Office of Statewide Health Planning and Development LR Low Rise HR High Rise AA Additions and Alterations N New |
| | | CHAPTER 4 RESIDENTIAL MANDATORY MEASURES |
| | | DIVISION 4.1 PLANNING AND DESIGN |
| | | SECTION 4.102 DEFINITIONS |
| | | 4.102.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) |
| | | FRENCH DRAIN. A trench, hole or other depressed area loosely filled with rock, gravel, fragments of brick or similar pervious material used to collect or channel drainage or runoff water. |
| | | WATTLES. Wattles are used to reduce sediment in runoff. Wattles are often constructed of natural plant materials such as hay, straw or similar material shaped in the form of tubes and placed on a downflow slope. Wattles are also used for perimeter and inlet controls. |
| | | 4.106 SITE DEVELOPMENT |
| | | 4.106.1 GENERAL. Use of available natural resources shall be accomplished through evaluation and careful planning to minimize negative effects on the site and adjacent areas. Preservation of slopes, management of storm water drainage and erosion controls shall comply with this section. |
| | | 4.106.2 STORM WATER DRAINAGE AND RETENTION DURING CONSTRUCTION. Projects which disturb less than one acre of soil and are not part of a larger common plan of development which in total disturbs one acre or more, shall manage storm water drainage during construction. In order to manage storm water drainage during construction, one or more of the following measures shall be implemented to prevent flooding of adjacent property, prevent erosion and retain soil runoff on the site. 1. Retention basins of sufficient size shall be utilized to retain storm water on the site. 2. Where storm water is conveyed to a public drainage system, collection point, gutter or similar disposal method, water shall be filtered by use of a barrier system, wattle or other method approved by the enforcing agency. 3. Compliance with a lawfully enacted storm water management ordinance. |
| | | 4.106.3 GRADING AND PAVING. Construction plans shall indicate how the site grading or drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 1. Swales 2. Water collection and disposal systems 3. French drains 4. Water retention gardens 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path. |
| | | 4.106.4 Electric vehicle (EV) charging for new construction. New construction shall comply with Sections 4.106.4.1, 4.106.4.2, or 4.106.4.3 to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the California Electrical Code, Article 625. Exceptions: On a case-by-case basis, where the local enforcing agency has determined EV charging and infrastructure are not feasible based upon one or more of the following conditions: 1. Where there is no commercial power supply. 2. Where there is evidence substantiating that meeting the requirements will alter the local utility infrastructure design requirements on the utility side of the meter so as to increase the utility side cost to the homeowner or developer by more than \$400.00 per unit. |
| | | 4.106.4.1 New one- and two-family dwellings and townhouses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous and enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device. 4.106.4.1.1 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE". |
| | | 4.106.4.2 New multifamily dwellings. Where 17 or more multifamily dwelling units are constructed on a building site, 3 percent of the total number of parking spaces provided for all types of parking facilities, but in no case less than one, shall be electric vehicle charging stations (EV spaces) capable of supporting future EVSE. Calculations for the number of EV spaces shall be rounded up to the nearest whole number. Note: Construction documents are intended to demonstrate the project's capability and capacity for facilitating future EV charging. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use. 4.106.4.2.1 Electric vehicle charging space (EV space) locations. Construction documents shall indicate the location of proposed EV spaces. At least one EV space shall be located in common use areas and available for use by all residents. When EV chargers are installed, EV spaces required by Section 4.106.2.2, Item 3, shall comply with at least one of the following options: 1. The EV space shall be located adjacent to an accessible parking space meeting the requirements of the California Building Code, Chapter 11A, to allow use of the EV charger from the accessible parking space. 2. The EV space shall be located on an accessible route, as defined in the California Building Code, Chapter 2, to the building. |

| Y | NA | RESPON PARTY | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------------------------|--|--------------------------------|------------------------------|-----|---|-------|---|-------|---|-------|---|--------|---|---------|---|---------|----|--------------|--------------------|
| | | 4.106.4.2.2 Electric vehicle charging space (EV space) dimensions. The EV space shall be designed to comply with the following: 1. The minimum length of each EV space shall be 18 feet (5486 mm). 2. The minimum width of each EV space shall be 9 feet (2743 mm). 3. One in every 25 EV spaces, but not less than one EV space, shall have an 8-foot (2438 mm) wide minimum aisle. A 5-foot (1524 mm) wide minimum aisle shall be permitted provided the minimum width of the EV space is 12 feet (3658 mm). a. Surface slope for this EV space and the aisle shall not exceed 1 unit vertical in 48 units horizontal (2.083 percent slope) in any direction. | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.2.3 Single EV space required. Install a listed raceway capable of accommodating a 208/240-volt dedicated branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or enclosure in close proximity to the proposed location of the EV space. Construction documents shall identify the raceway termination point. The service panel and/or subpanel shall provide capacity to install a 40-ampere minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device. | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.2.4 Multiple EV spaces required. Construction documents shall indicate the raceway termination point and proposed location of future EV spaces and EV chargers. Construction documents shall also provide information on amperage of future EVSE, raceway method(s), wiring schematics and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at all required EV spaces at the full rated amperage of the EVSE. Plan design shall be based upon a 40-ampere minimum branch circuit. Required raceways and related components that are planned to be installed underground, enclosed, inaccessible or in concealed areas and spaces shall be installed at the time of original construction. 4.106.4.2.5 Identification. The service panel or subpanel circuit directory shall identify the overcurrent protective device space(s) reserved for future EV charging purposes as "EV CAPABLE" in accordance with the California Electrical Code. Notes: 1. The California Department of Transportation adopts and publishes the "California Manual on Uniform Traffic Control Devices (California MUTCD)" to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives Number 13-01. Website: www.dot.ca.gov/trafficops/policy/13-01.pdf . 2. See Vehicle Code Section 22511 for EV charging space signage in off-street parking facilities and for use of EV charging spaces. 3. The Governor's Office of Planning and Research (OPR) published a "Zero-Emission Vehicle Community Readiness Guidebook" which provides helpful information for local governments, residents and businesses. Website: http://opr.ca.gov/docs/ZEV_Guidebook.pdf . | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.3 New hotels and motels. All newly constructed hotels and motels shall provide EV spaces capable of supporting future installation of EVSE. The construction documents shall identify the location of the EV spaces. Notes: 1. Construction documents are intended to demonstrate the project's capability and capacity or facilitating future EV charging. 2. There is no requirement for EV spaces to be constructed or available until EV chargers are installed for use. 4.106.4.3.1 Number of required EV spaces. The number of required EV spaces shall be based on the total number of parking spaces provided for all types of parking facilities in accordance with Table 4.106.4.3.1. Calculations for the required number of EV spaces shall be rounded up to the nearest whole number. | | | | | | | | | | | | | | | | | | |
| | | TABLE 4.106.4.3.1 | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>TOTAL NUMBER OF PARKING SPACES</th> <th>NUMBER OF REQUIRED EV SPACES</th> </tr> </thead> <tbody> <tr> <td>0-9</td> <td>0</td> </tr> <tr> <td>10-25</td> <td>1</td> </tr> <tr> <td>26-50</td> <td>2</td> </tr> <tr> <td>51-75</td> <td>4</td> </tr> <tr> <td>76-100</td> <td>5</td> </tr> <tr> <td>101-150</td> <td>7</td> </tr> <tr> <td>151-200</td> <td>10</td> </tr> <tr> <td>201 and over</td> <td>6 percent of total</td> </tr> </tbody> </table> | TOTAL NUMBER OF PARKING SPACES | NUMBER OF REQUIRED EV SPACES | 0-9 | 0 | 10-25 | 1 | 26-50 | 2 | 51-75 | 4 | 76-100 | 5 | 101-150 | 7 | 151-200 | 10 | 201 and over | 6 percent of total |
| TOTAL NUMBER OF PARKING SPACES | NUMBER OF REQUIRED EV SPACES | | | | | | | | | | | | | | | | | | | |
| 0-9 | 0 | | | | | | | | | | | | | | | | | | | |
| 10-25 | 1 | | | | | | | | | | | | | | | | | | | |
| 26-50 | 2 | | | | | | | | | | | | | | | | | | | |
| 51-75 | 4 | | | | | | | | | | | | | | | | | | | |
| 76-100 | 5 | | | | | | | | | | | | | | | | | | | |
| 101-150 | 7 | | | | | | | | | | | | | | | | | | | |
| 151-200 | 10 | | | | | | | | | | | | | | | | | | | |
| 201 and over | 6 percent of total | | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.3.2 Electric vehicle charging space (EV space) dimensions. The EV spaces shall be designed to comply with the following: 1. The minimum length of each EV space shall be 18 feet (5486mm). 2. The minimum width of each EV space shall be 9 feet (2743mm). | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.3.3 Single EV space required. When a single EV space is required, the EV space shall be designed in accordance with Section 4.106.4.2.3. | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.3.4 Multiple EV spaces required. When multiple EV spaces are required, the EV spaces shall be designed in accordance with Section 4.106.4.2.4. | | | | | | | | | | | | | | | | | | |
| | | 4.106.4.3.5 Identification. The service panels or sub-panels shall be identified in accordance with Section 4.106.4.2.5. 4.106.4.3.6 Accessible EV spaces. In addition to the requirements in Section 4.106.4.3, EV spaces for hotels/motels and all EVSE, when installed, shall comply with the accessibility provisions for the EV charging stations in the California Building Code, Chapter 11B. Notes: 1. The California Department of Transportation adopts and publishes the "California Manual on Uniform Traffic Control Devices (California MUTCD)" to provide uniform standards and specifications for all official traffic control devices in California. Zero Emission Vehicle Signs and Pavement Markings can be found in the New Policies & Directives Number 13.01. Website: http://www.dot.ca.gov/trafficops/policy/13-01.pdf . 2. See vehicle Code Section 22511 for EV charging space signage in off-street parking facilities and for use of EV charging spaces. 3. The Governor's Office of Planning and Research (OPR) published a "Zero-Emission Vehicle Community Readiness Guidebook" which provides helpful information for local governments, residents and businesses. Website: https://opr.ca.gov/docs/ZEV_Guidebook.pdf . 4. The Governor's Interagency Working Group on Zero-Emission Vehicles, 2016, "2016 ZEV Action Plan, An Updated Roadmap toward 1.5 Million Zero-Emission Vehicles on California Roadways by 2025." https://www.gov.ca.gov/docs/2016_ZEV_Action_Plan.pdf . | | | | | | | | | | | | | | | | | | |
| | | DIVISION 4.2 ENERGY EFFICIENCY | | | | | | | | | | | | | | | | | | |
| | | 4.201 GENERAL | | | | | | | | | | | | | | | | | | |
| | | 4.201.1 SCOPE. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards. | | | | | | | | | | | | | | | | | | |

| Y | NA | RESPON PARTY | | | | | | | | | | | | | | | | |
|---|--|--|--------------|-----------|----------------------------|------------------|--------------------------------|--|---|------------------|-----------------|------------------|------------------|----------------|--------------|----------------|---------|-----------------|
| | | DIVISION 4.3 WATER EFFICIENCY AND CONSERVATION | | | | | | | | | | | | | | | | |
| | | 4.303 INDOOR WATER USE | | | | | | | | | | | | | | | | |
| | | 4.303.1 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following: 4.303.1.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-type Toilets. Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush. 4.303.1.2 Urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush. The effective flush volume of all other urinals shall not exceed 0.5 gallons per flush. 4.303.1.3 Showerheads. 4.303.1.3.1 Single Showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads. 4.303.1.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to only allow one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead. 4.303.1.4 Faucets. 4.303.1.4.1 Residential Lavatory Faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.2 gallons per minute at 60 psi. The minimum flow rate of residential lavatory faucets shall not be less than 0.8 gallons per minute at 20 psi. 4.303.1.4.2 Lavatory Faucets in Common and Public Use Areas. The maximum flow rate of lavatory faucets installed in common and public use areas (outside of dwellings or sleeping units) in residential buildings shall not exceed 0.5 gallons per minute at 60 psi. 4.303.1.4.3 Metering Faucets. Metering faucets when installed in residential buildings shall not deliver more than 0.25 gallons per cycle. 4.303.1.4.4 Kitchen Faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi. Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reducing. 4.303.2 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code. NOTE: THIS TABLE COMPILES THE DATA IN SECTION 4.303.1, AND IS INCLUDED AS A CONVENIENCE FOR THE USER. | | | | | | | | | | | | | | | | |
| | | TABLE - MAXIMUM FIXTURE WATER USE | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>FIXTURE TYPE</th> <th>FLOW RATE</th> </tr> </thead> <tbody> <tr> <td>SHOWER HEADS (RESIDENTIAL)</td> <td>1.8 GMP @ 80 PSI</td> </tr> <tr> <td>LAVATORY FAUCETS (RESIDENTIAL)</td> <td>MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI</td> </tr> <tr> <td>LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS</td> <td>0.5 GPM @ 60 PSI</td> </tr> <tr> <td>KITCHEN FAUCETS</td> <td>1.8 GPM @ 60 PSI</td> </tr> <tr> <td>METERING FAUCETS</td> <td>0.25 GAL/CYCLE</td> </tr> <tr> <td>WATER CLOSET</td> <td>1.28 GAL/FLUSH</td> </tr> <tr> <td>URINALS</td> <td>0.125 GAL/FLUSH</td> </tr> </tbody> </table> | FIXTURE TYPE | FLOW RATE | SHOWER HEADS (RESIDENTIAL) | 1.8 GMP @ 80 PSI | LAVATORY FAUCETS (RESIDENTIAL) | MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI | LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS | 0.5 GPM @ 60 PSI | KITCHEN FAUCETS | 1.8 GPM @ 60 PSI | METERING FAUCETS | 0.25 GAL/CYCLE | WATER CLOSET | 1.28 GAL/FLUSH | URINALS | 0.125 GAL/FLUSH |
| FIXTURE TYPE | FLOW RATE | | | | | | | | | | | | | | | | | |
| SHOWER HEADS (RESIDENTIAL) | 1.8 GMP @ 80 PSI | | | | | | | | | | | | | | | | | |
| LAVATORY FAUCETS (RESIDENTIAL) | MAX. 1.2 GPM @ 60 PSI MIN. 0.8 GPM @ 20 PSI | | | | | | | | | | | | | | | | | |
| LAVATORY FAUCETS IN COMMON & PUBLIC USE AREAS | 0.5 GPM @ 60 PSI | | | | | | | | | | | | | | | | | |
| KITCHEN FAUCETS | 1.8 GPM @ 60 PSI | | | | | | | | | | | | | | | | | |
| METERING FAUCETS | 0.25 GAL/CYCLE | | | | | | | | | | | | | | | | | |
| WATER CLOSET | 1.28 GAL/FLUSH | | | | | | | | | | | | | | | | | |
| URINALS | 0.125 GAL/FLUSH | | | | | | | | | | | | | | | | | |
| | | 4.304 OUTDOOR WATER USE | | | | | | | | | | | | | | | | |
| | | 4.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. After December 1, 2015, new residential developments with an aggregate landscape area equal to or greater than 500 square feet shall comply with one of the following options: 1. A local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent; or 2. Projects with aggregate landscape areas less than 2,500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option. NOTES: 1. The Model Water Efficient Landscape Ordinance (MWELO) and supporting documents are available at: http://www.water.ca.gov/wateruseefficiency/landscapeordnance/ 2. A water budget calculator is available at: http://www.water.ca.gov/wateruseefficiency/landscapeordnance/ | | | | | | | | | | | | | | | | |

| Y | NA | RESPON PARTY |
|---|----|---|
| | | DIVISION 4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY |
| | | 4.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE |
| | | 4.406.1 RODENT PROOFING. Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or a similar method acceptable to the enforcing agency. |
| | | 4.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING |
| | | 4.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65 percent of the non-hazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4, or meet a more stringent local construction and demolition waste management ordinance. Exceptions: 1. Excavated soil and land-clearing debris. 2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the jobsite. 3. The enforcing agency may make exceptions to the requirements of this section when isolated jobsite are located in areas beyond the haul boundaries of the diversion facility. 4.408.2 CONSTRUCTION WASTE MANAGEMENT PLAN. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency. 1. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale. 2. Specify if construction and demolition waste materials will be sorted on-site (source separated) or bulk mixed (single stream). 3. Identify diversion facilities where the construction and demolition waste material collected will be taken. 4. Identify construction methods employed to reduce the amount of construction and demolition waste generated. 5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both. 4.408.3 WASTE MANAGEMENT COMPANY. Utilize a waste management company, approved by the enforcing agency, which can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with Section 4.408.1. Note: The owner or contractor may make the determination if the construction and demolition waste materials will be diverted by a waste management company. 4.408.4 WASTE STREAM REDUCTION ALTERNATIVE [LR]. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 3.4 lbs./sq.ft. of the building area shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1. 4.408.4.1 WASTE STREAM REDUCTION ALTERNATIVE. Projects that generate a total combined weight of construction and demolition waste disposed of in landfills, which do not exceed 2 pounds per square foot of the building area, shall meet the minimum 65% construction waste reduction requirement in Section 4.408.1. 4.408.5 DOCUMENTATION. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 4.408.2, Items 1 through 5, Section 4.408.3 or Section 4.408.4. Notes: 1. Sample forms found in "A Guide to the California Green Building Standards Code (Residential)" located at www.hcd.ca.gov/CALGreen.html may be used to assist in documenting compliance with this section. 2. Mixed construction and demolition debris (C & D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle). 4.410 BUILDING MAINTENANCE AND OPERATION |
| | | 4.410.1 OPERATION AND MAINTENANCE MANUAL. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building: 1. Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure. 2. Operation and maintenance instructions for the following: a. Equipment and appliances, including water-saving devices and systems, HVAC systems, photovoltaic systems, electric vehicle chargers, water-heating systems and other major appliances and equipment. b. Roof and yard drainage, including gutters and downspouts. c. Space conditioning systems, including condensers and air filters. d. Landscape irrigation systems. e. Water reuse systems. 3. Information from local utility, water and waste recovery providers on methods to further reduce resource consumption, including recycle programs and locations. 4. Public transportation and/or carpool options available in the area. 5. Educational material on the positive impacts of an interior relative humidity between 30-60 percent and what methods an occupant may use to maintain the relative humidity level in that range. 6. Information about water-conserving landscape and irrigation design and controllers which conserve water. 7. Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation. 8. Information on required routine maintenance measures, including, but not limited to, caulking, painting, grading around the building, etc. 9. Information about state solar energy and incentive programs available. 10. A copy of all special inspections verifications required by the enforcing agency or this [California Green Building Standards] code. 4.410.2 RECYCLING BY OCCUPANTS. Where 5 or more multifamily dwelling units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive. Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42699.82 (a)(2)(A) et seq. are not required to comply with the organic waste portion of this section. |
| | | DIVISION 4.5 ENVIRONMENTAL QUALITY |
| | | SECTION 4.501 GENERAL |
| | | 4.501.1 Scope The provisions of this chapter shall outline means of reducing the quality of air contaminants that are odorous, irritating and/or harmful to the comfort and well being of a building's installers, occupants and neighbors. |
| | | SECTION 4.502 DEFINITIONS |
| | | 4.502.1 DEFINITIONS The following terms are defined in Chapter 2 (and are included here for reference) AGRIFIBER PRODUCTS. Agrifiber products include wheatboard, strawboard, panel substrates and door cores, not including furniture, fixtures and equipment (FF&E) not considered base building elements. COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardwood, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, prefabricated wood joists or finger-jointed lumber, all as specified in California Code of regulations (CCR), title 17, Section 93120.1. DIRECT-VENT APPLIANCE. A fuel-burning appliance with a sealed combustion system that draws all air for combustion from the outside atmosphere and discharges all flue gases to the outside atmosphere. |

| Revision History | |
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| | AS-BUILT |
| | PRELIMINARY DESIGN |
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| REMODEL & ADDITION | OWNER: |
|--------------------|--------|

| | |
|-------------|---|
| Drawing By: | Chris Klimen |
| | klimen@att.net |
| | PH: 510.928.1359 |
| | Peter Christopher Klimen |
| | DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN EMAIL:KLIMEN@ATT.NET DATE: 00/00/00 |

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| CAL GREEN REQUIREMENTS PAGE 1 |
|-------------------------------|

G1.0

CITY OF NOVATO
FOR PROPERTY LOCATED IN
WILDLAND URBAN INTERFACE FIRE AREAS

POLICY FOR REMODELS AND ALTERATIONS TO EXISTING BUILDINGS

The City of Novato has approximately 11,000 parcels of land that fall within the Wildland Urban Interface Fire Area. Buildings within these designated areas are regulated by Chapter 7A of the 2010 California Building Code (CBC) and Ordinance 2005-1 of the Novato Fire Protection District which was ratified by the City of Novato (Resolution 134-07).

To provide clear guidelines for home owners and contractors the following policy covers the most common areas of remodels, alterations and repairs to buildings that are located in a Wildland Urban Interface Fire Area. Please refer to the actual code sections for full details of the requirements and visit the Novato Fire Protection District and State Fire Marshall web sites.

NEW WINDOWS or WINDOW REPLACEMENTS

(Section 708A.2.1 CBC)

Options:

1. Must be insulated-glass units with at least one pane of tempered glass (preferably the exterior pane), or
2. Glass block units, or
3. 20 minute fire resistance rating, or
4. Conform to performance standards of SFM 12-7A-2 **

NEW EXTERIOR DOORS or DOOR REPLACEMENTS

(Section 708A.3CBC)

Options:

1. Must be approved non-combustible construction, or ignition resistant material, or solid core wood having stiles and rails not less than 1 3/4 inches thick and interior field panels not less than 1 1/4 inches thick, or
2. 20 minute fire resistance rated assembly, or
3. Conform to performance standards of SFM 12-7A-1**
4. Exterior door glazing shall comply with 708A.2.1

NEW DECKS or REPLACEMENT OF DECK SURFACES

(Section 708A. CBC)

Decking surfaces, stair threads, risers, landings, porches and balconies where any portion is within 10 feet of the structure must comply with one of the following;

Options:

1. Constructed of ignition-resistant materials and pass performance requirements of SFM 12-7A-4 and SFM Standard 12-7A-5**, or
2. Exterior fire-retardant-treated wood or approved non-combustible materials, or
3. Constructed of ignition resistant materials an pass performance requirements of SFM 12-7A-4A when attached exterior wall covering is also either non-combustible or ignition resistant material.

DECK REPAIRS

(Policy Novato Building Division)

Repairs to decks that do not require replacement or removal of more than 50 % of the existing square footage of deck surfaces (as described above) do not have to meet the **requirements of this section.**

EXTERIOR WALL REPAIRS & REPLACEMENTS

(Section 707A CBC and Policy Novato Building Division)

Repair or replacement of exterior walls that do not require more than 50 % of the total lineal feet or square feet of the wall elevation (which ever is greater) do not have to **meet the requirements of this section.**

Repairs or replacements greater than 50 % must be one of the following:

Options:

1. Approved non-combustible or ignition-resistant material, heavy timber, or log wall construction, or
2. Shall provide protection from flames and embers in accordance with SFM 12-7A-1**

ROOFING

(Section 705A.1 CBC)

Class B or higher is required for all roofs. See important changes for attic ventilation requirements on reroofing of existing buildings and roof gutters.

ROOF GUTTERS

(Section 705A.4 CBC)

Covers or other means to prevent the accumulation of leaves and debris in the gutter is required.

ATTIC VENTILATION

(Section 705A.2 CBC)

Eave and cornice vents are not allowed unless they resist the intrusion of flames and burning embers into the attic area conforming to SFM Standard 12-7A-1 **

Eave and cornice vents on buildings when reroofing permits are issued shall be removed or be changed to comply with Section 705A.2 CBC when ever the roof covering is removed to expose the rafters or spaced sheathing.

New roof mounted vents to be installed to provide the minimum attic ventilation as required by the building code. (1203.2 CBC and R806.2 CRC)

** SFM Office of State Fire Marshal Standards visit CAL FIRE www.fire.ca.gov Go to “Wildland Hazards and Building Codes”

Visit the Novato Fire Protection District www.novatofire.org to view list of addresses that are in the Urban Wildland Interface (UWI) areas. Go to “Programs” then click on “Wildland Urban Interface (WUI)” then click on “UWI Listings by Address.

Chapter 34 CBC Existing Structures

Section 3403.1 Additions or alterations to any building or structure shall comply with the requirements of the code for new construction. Additions or alterations shall not be made to ensure that the existing building or structure together with the addition are no less conforming with the provisions of this code than the existing building or structure was prior to the addition. An existing building plus additions shall comply with the height and area provisions of Chapter 5.

Section 3407.1 Conformance. The installation or replacement of glass shall be as required for new construction.

| Revision History | |
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| | AS-BUILT |
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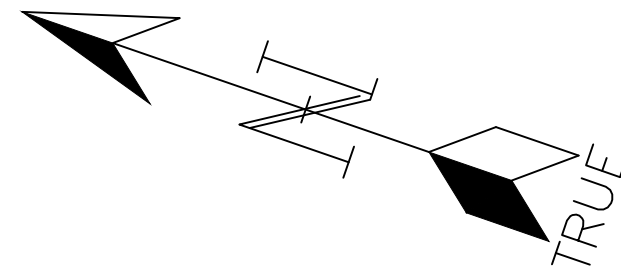
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| REMODEL & ADDITION | OWNER: |
|--------------------|--------|

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| Drawing By: |
| Chris Klimen |
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EMAIL=KLIMEN@ATT.NET DATE: 00/00/00

**WUI
COMPLIANCE
REQUIREMENTS**

WUI



61 FEET - S71°05'W

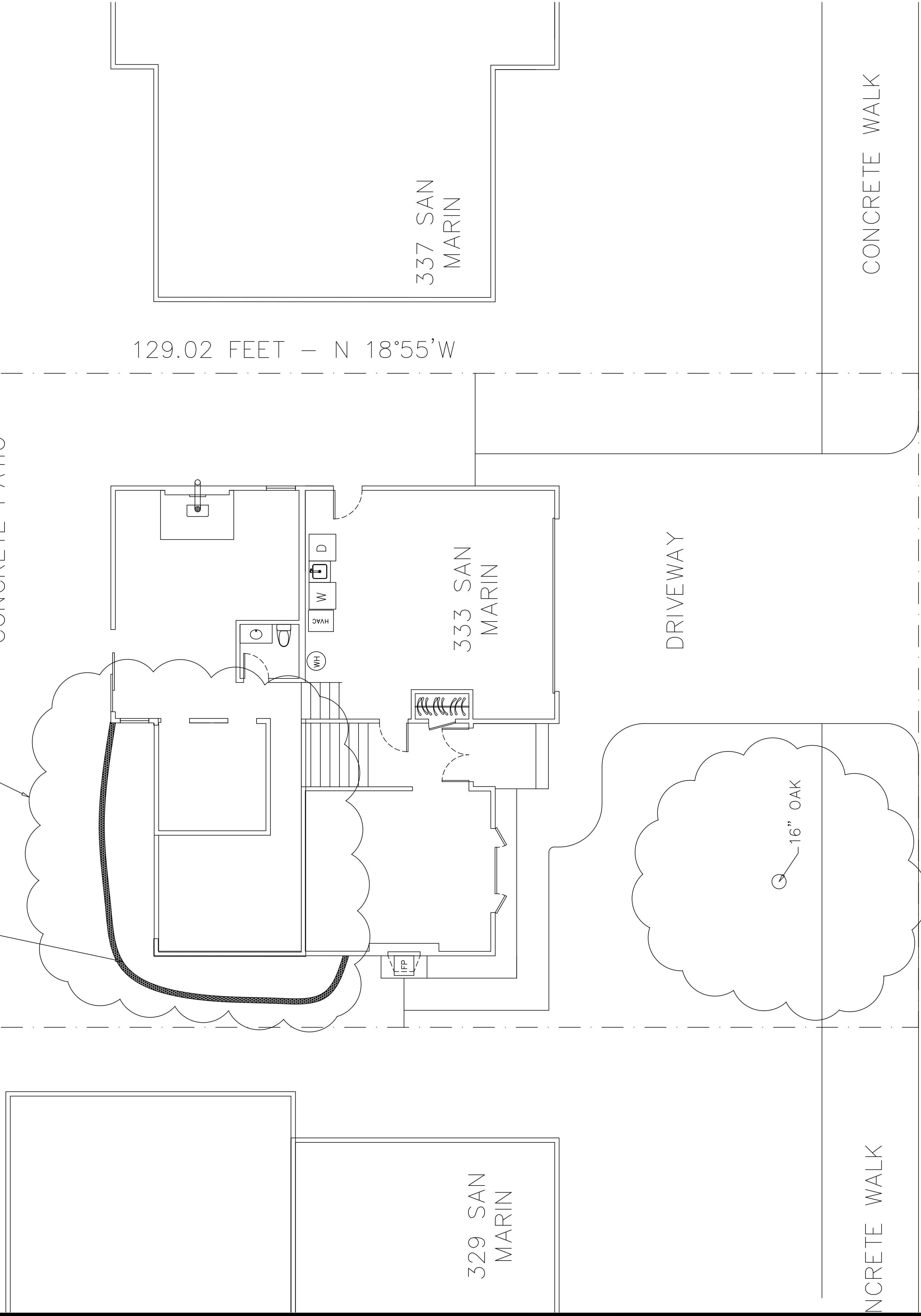
SITE PLAN NOTES:

- ANY AREA WHERE SOIL IS DISTURBED MUST BE SURROUNDED BY STRAW WATTLES IN SUCH A WAY THAT ANY DRAINAGE PASSING THROUGH THE AREA WILL BE FILTERED.
- SPOILS ARE TO BE IMMEDIATELY REMOVED FROM THE SITE OR COVERED. ANY COVERING IS TO BE NON-PERMEABLE AND FIRMLY ANCHORED IN PLACE.
- WATER IS TO BE DIVERTED FROM THE CONSTRUCTED SITE AND PREVENTED FROM ENTERING THE BUILDING THROUGH THE USE OF A NON-PERMEABLE MEMBRANE. RUNOFF IS TO BE FILTERED PRIOR TO BEING DIVERTED TO THE EXISTING UNDERGROUND DRAINAGE SYSTEM.

LOCATION OF PROPOSED CONSTRUCTION

LOCATION OF STRAW WATTLES TO BE USED IF SOIL IS DISTURBED

CONCRETE PATIO



129.02 FEET - N 18°55'W

CONCRETE WALK

CONCRETE WALK

DRIVEWAY

SAN MARIN DR

(N) SITE PLAN
SCALE: 3/16"=1'-0"

A1.00

SITE PLAN

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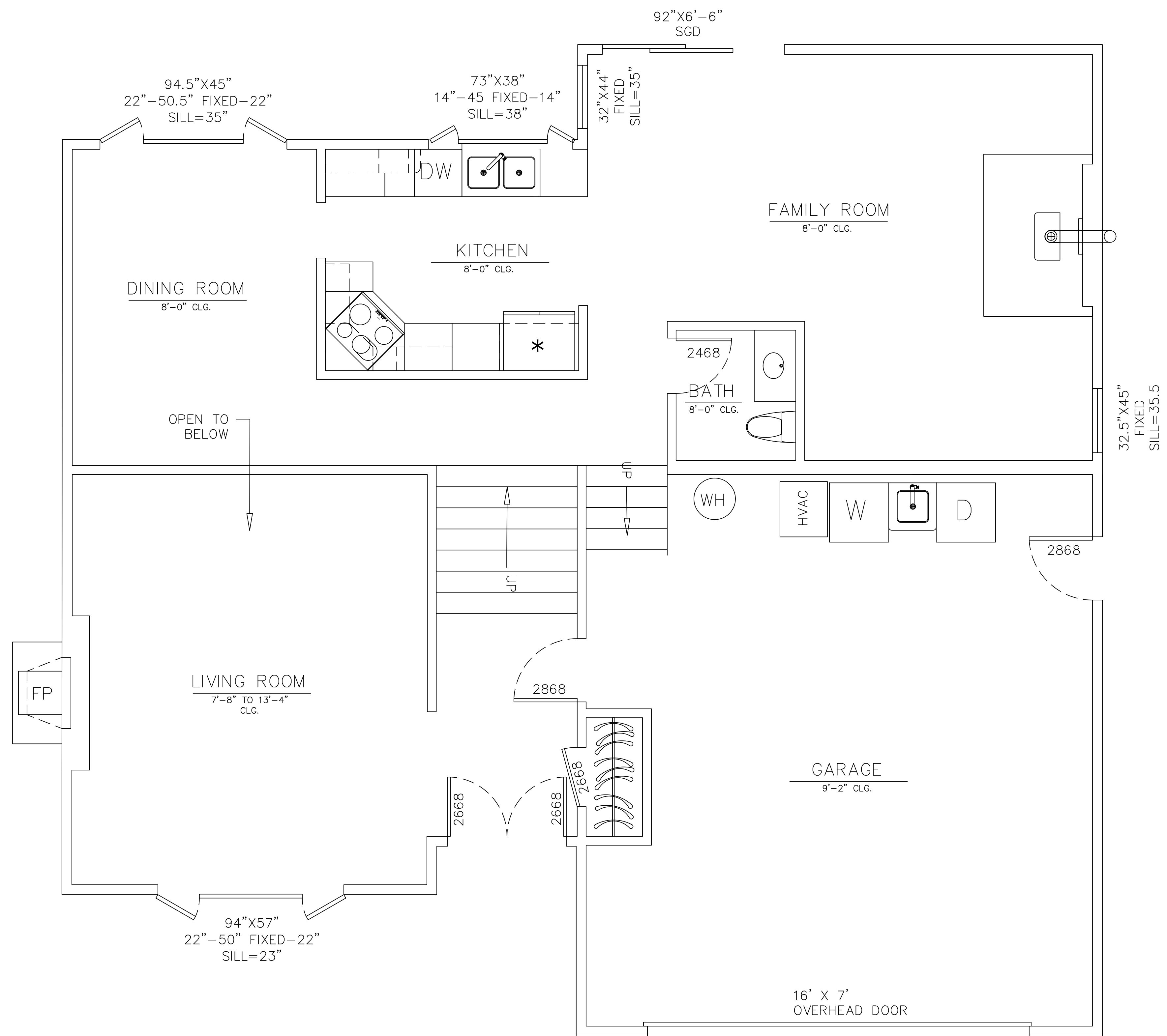
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REMODEL & ADDITION

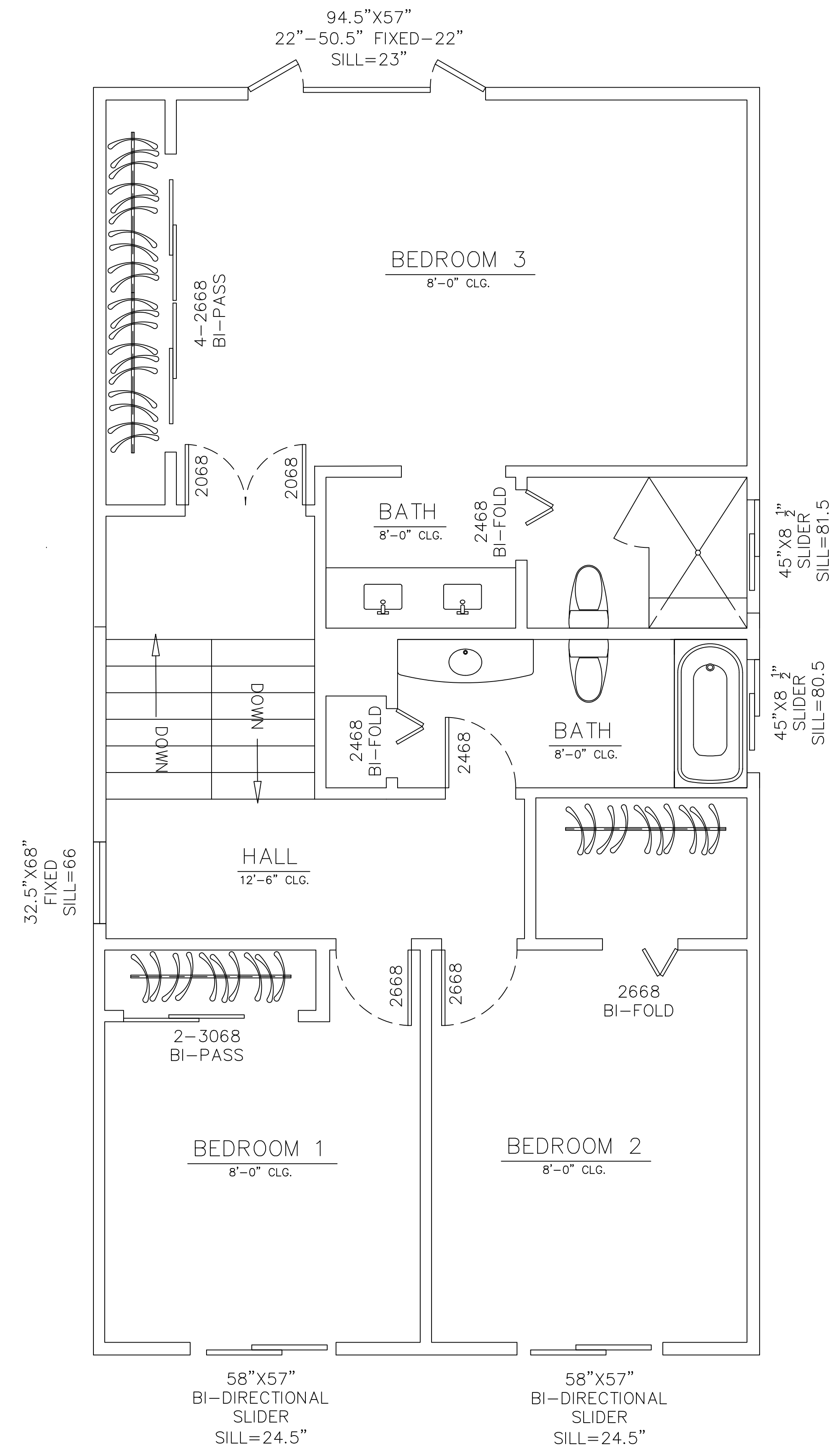
OWNER:

Revision History

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(E) FLOOR PLAN - LOWER LEVEL
SCALE: 3/8"=1'-0"



(E) FLOOR PLAN - UPPER LEVEL
SCALE: 3/8"=1'-0"

| Revision History | |
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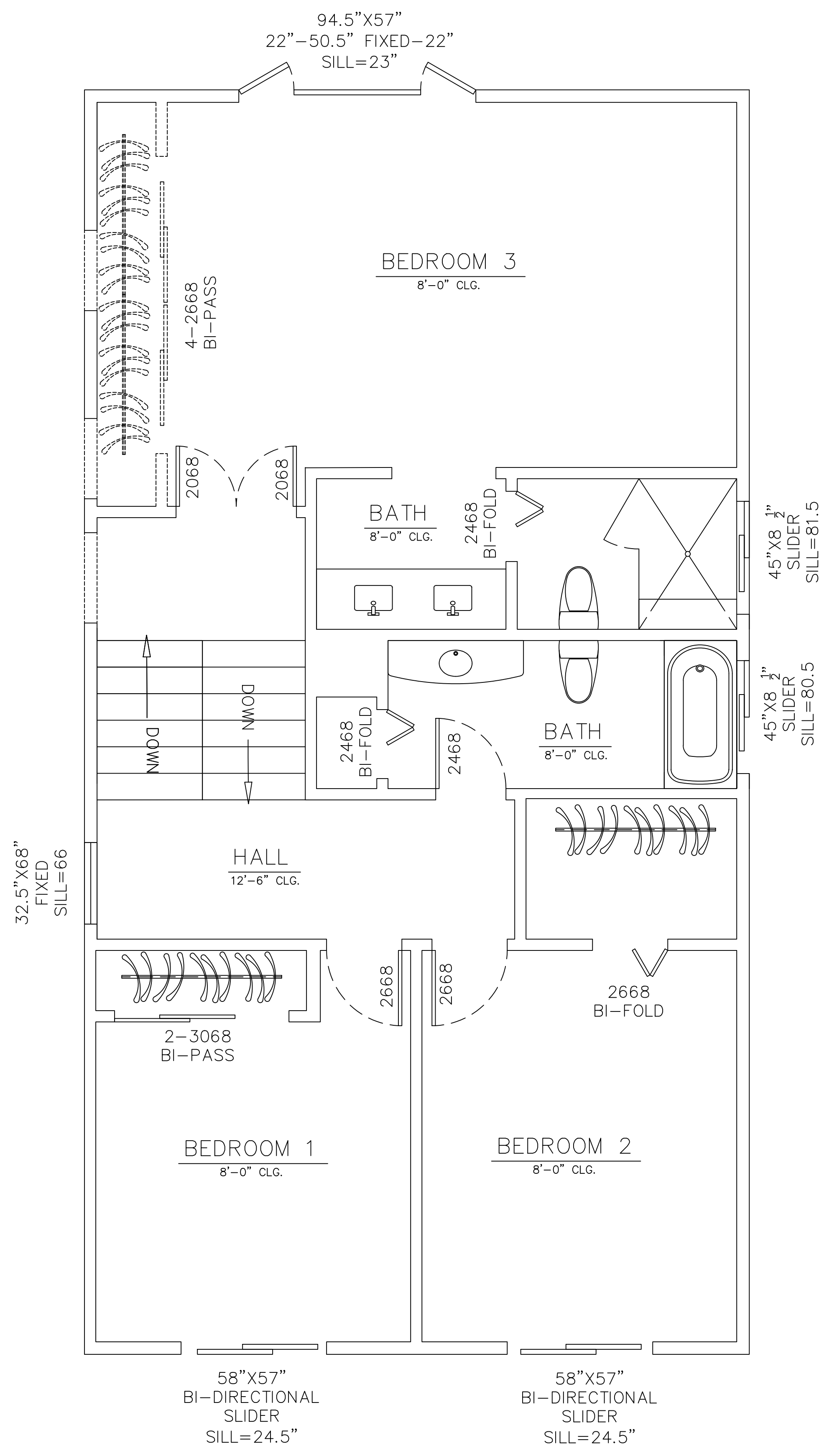
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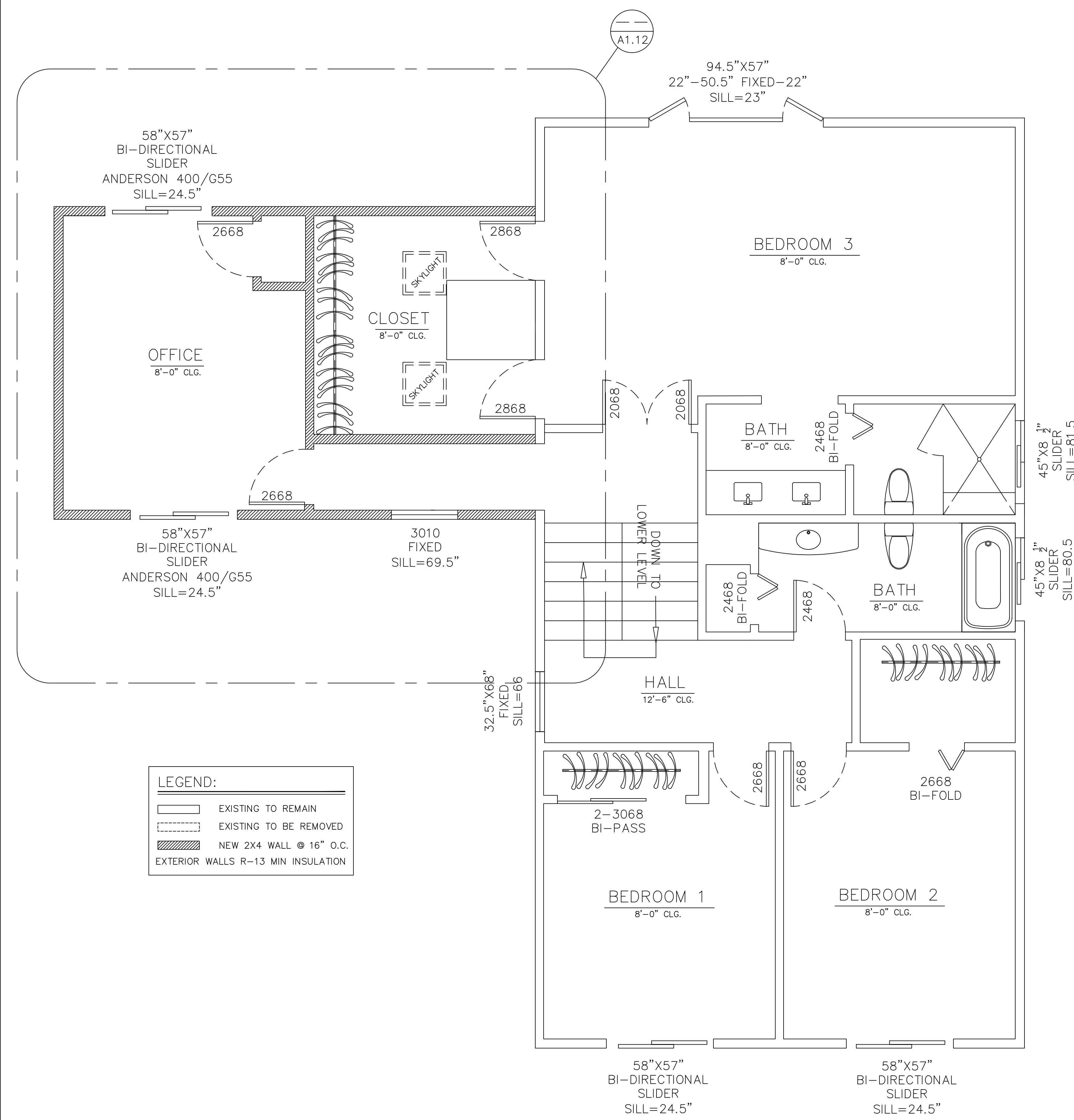
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FLOOR PLAN
AS-BUILT

A1.10



(E) FLOOR PLAN & DEMOLITION PLAN
SCALE: 3/8"=1'-0"



LEGEND:
 ——— EXISTING TO REMAIN
 - - - - - EXISTING TO BE REMOVED
 [Hatched] NEW 2X4 WALL @ 16" O.C.
 EXTERIOR WALLS R-13 MIN INSULATION

(N) FLOOR PLAN
SCALE: 3/8"=1'-0"

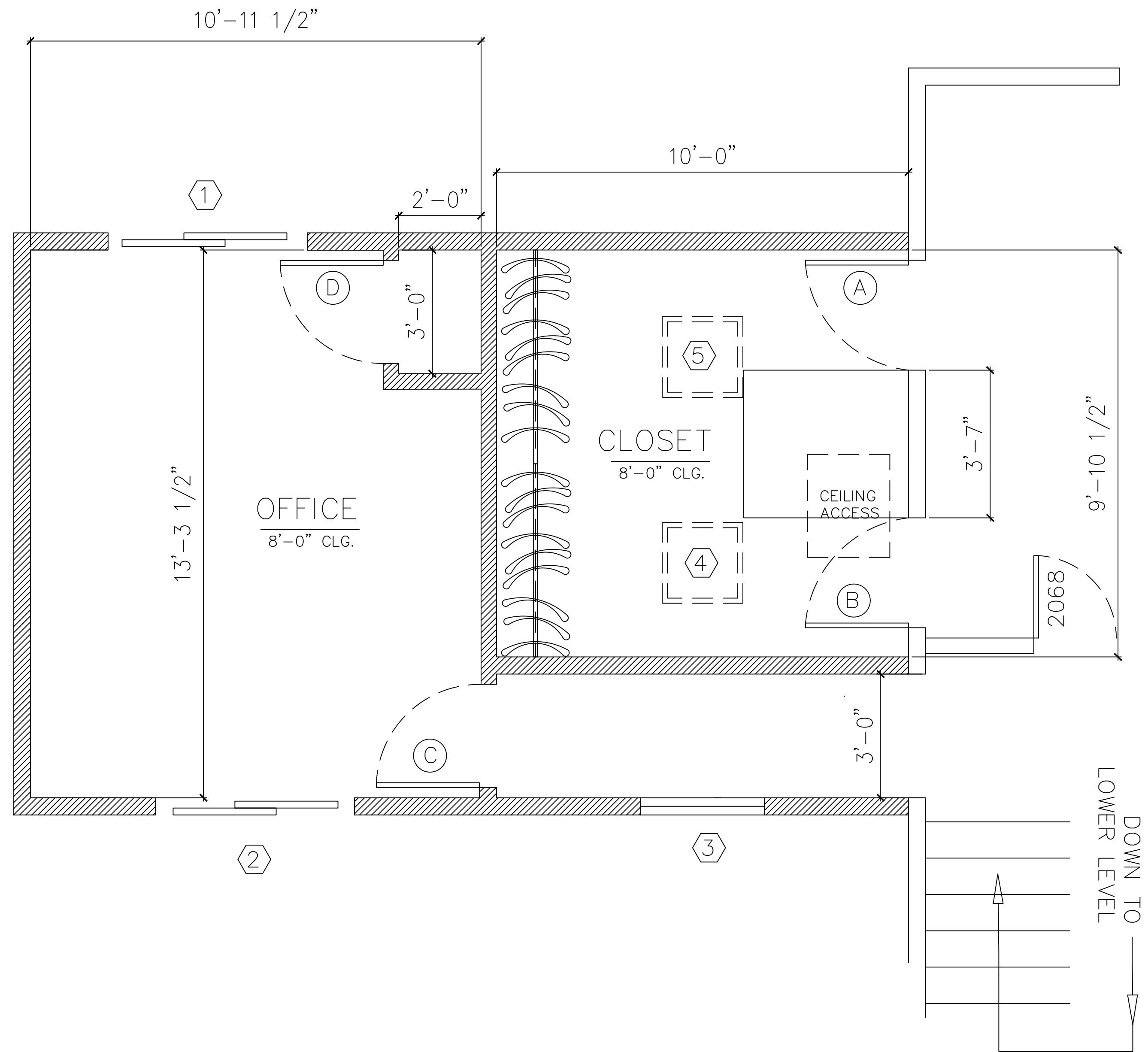
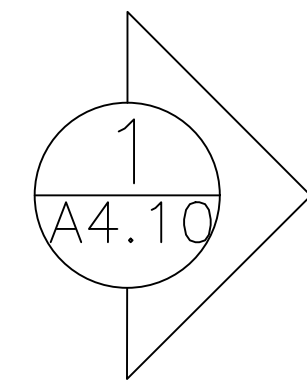
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| 1 | PLAN REVIEW COMMENTS |
| 2 | PLAN REVIEW COMMENTS |
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REMODEL & ADDITION

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NEW FLOOR PLAN & DEMOLITION PLAN



CONSTRUCTION NOTES:

- SEE SHEETS A0.2, G1.0 & G1.1 FOR MANDATORY GENERAL CONSTRUCTION, ELECTRICAL, MECHANICAL, & PLUMBING REQUIREMENTS
- ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.
- CONTRACTORS SHALL PROVIDE OWNER WITH ALL END USER INFORMATION & MAINTENANCE MANUALS FOR INSTALLED ITEMS & ALL OTHER REQUIRED INFORMATION DESCRIBED IN SECTION 4.410 ON SHEET G1.0 PRIOR TO BUILDING FINAL
- ALL FINISH MATERIALS SHALL BE COMPLIANT WITH VOC AND OTHER TOXIC COMPOUND LIMITS AS OUTLINED IN SECTION 4.504 ON SHEETS G1.0 & G1.1. INCLUDING (BUT NOT LIMITED TO) ADHESIVES, SEALANTS, CAULKS, PAINTS, STAINS, COATINGS, CARPET & CARPET SYSTEMS, RESILIENT FLOORING, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD, PLYWOOD. DOCUMENTATION IS REQUIRED AS SPECIFIED IN SECTION 4.504.2.4 ON SHEET G1.0
- MOISTURE CONTENT OF BUILDING MATERIALS SHALL BE VERIFIED AND DOCUMENTATION PROVIDED TO THE ENFORCING AGENCY AS OUTLINED IN SECTION 4.505.3 ON SHEET G1.1. DO NOT CLOSE ANY CONSTRUCTION PRIOR TO VERIFICATION
- CLOSE FIREPLACE OPENING IN LIVING ROOM, FINISH TBD. REMOVE CHIMNEY @ EXTERIOR OF HOUSE TO ROOF LEVEL. PATCH ROOF WITH MATERIAL TO MATCH EXISTING
- SEE SHEET A4.10 FOR WALL, FLOOR, CEILING, AND ROOF FRAMING DETAILS

LEGEND:

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NEW 2X4 WALL @ 16" O.C. EXTERIOR WALLS R-13 MIN INSULATION

DOOR CALL OUT - SEE SCHEDULE BELOW

WINDOW CALL OUT - SEE SCHEDULE BELOW

CONSTRUCTION PLAN

SCALE: 1/2"=1'-0"

Revision History

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| | AS-BUILT |
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| 1 | PLAN REVIEW COMMENTS |
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**CONSTRUCTION
PLAN &
DOOR & WINDOW
SCHEDULE**

A1.12

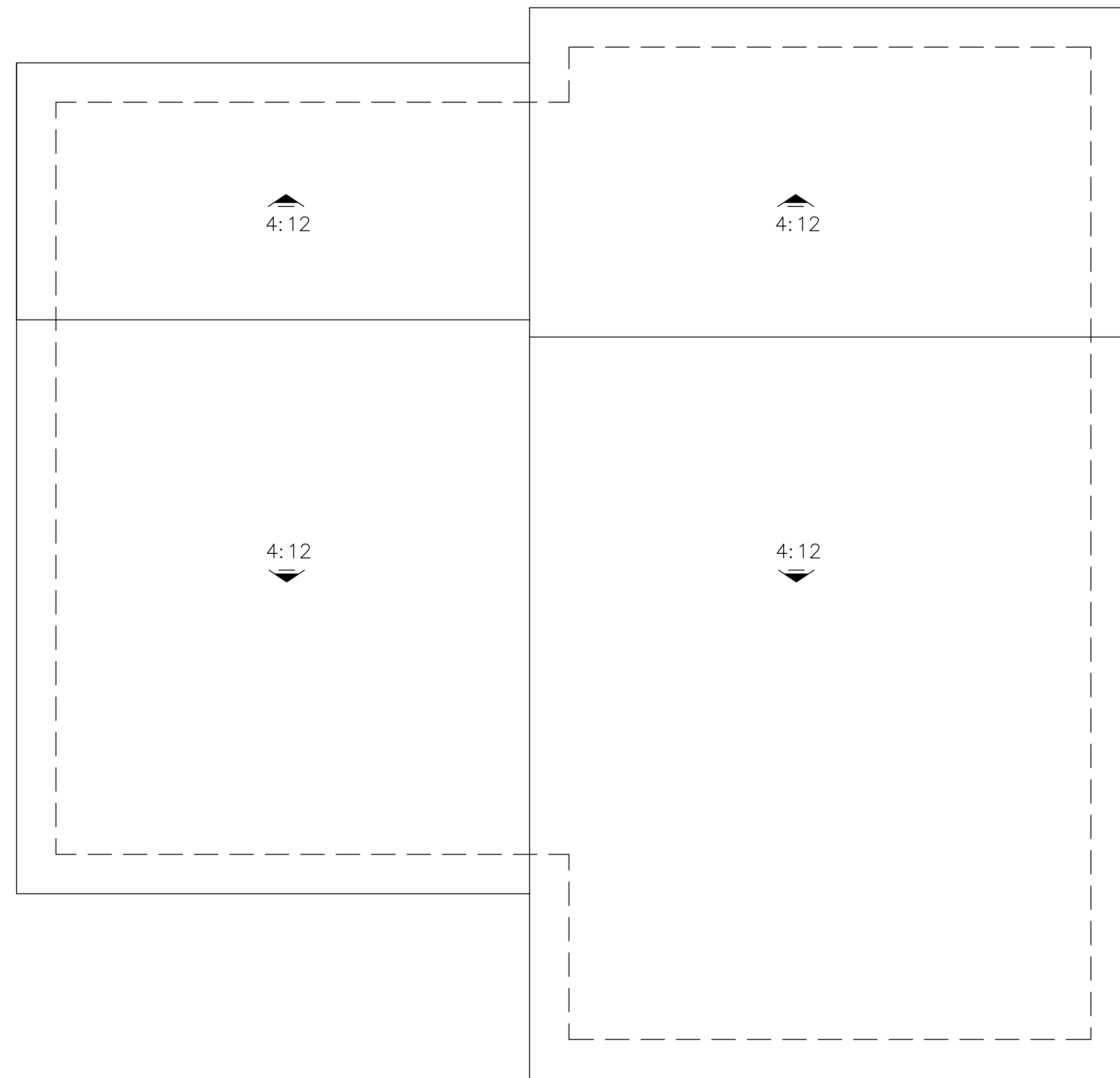
DOOR & WINDOW SCHEDULE

| DOOR SCHEDULE | | | | | | | | | | | | |
|---------------|--------|-------|--------|------|------|----------|------------------|------------------|--------------------|--------------|-------|-------|
| MARK | ROOM | WIDTH | HEIGHT | TYPE | HAND | MATERIAL | COLOR - INTERIOR | COLOR - EXTERIOR | HARDWARE - SEE KEY | MANUFACTURER | MODEL | NOTES |
| A | CLOSET | 2'-8" | 6'-8" | SW | RH | TBD | TBD | TBD | TBD | TBD | TBD | |
| B | CLOSET | 2'-8" | 6'-8" | SW | LH | TBD | TBD | TBD | TBD | TBD | TBD | |
| C | OFFICE | 2'-6" | 6'-8" | SW | LH | TBD | TBD | TBD | TBD | TBD | TBD | |
| D | OFFICE | 2'-6" | 6'-8" | SW | RH | TBD | TBD | TBD | TBD | TBD | TBD | |

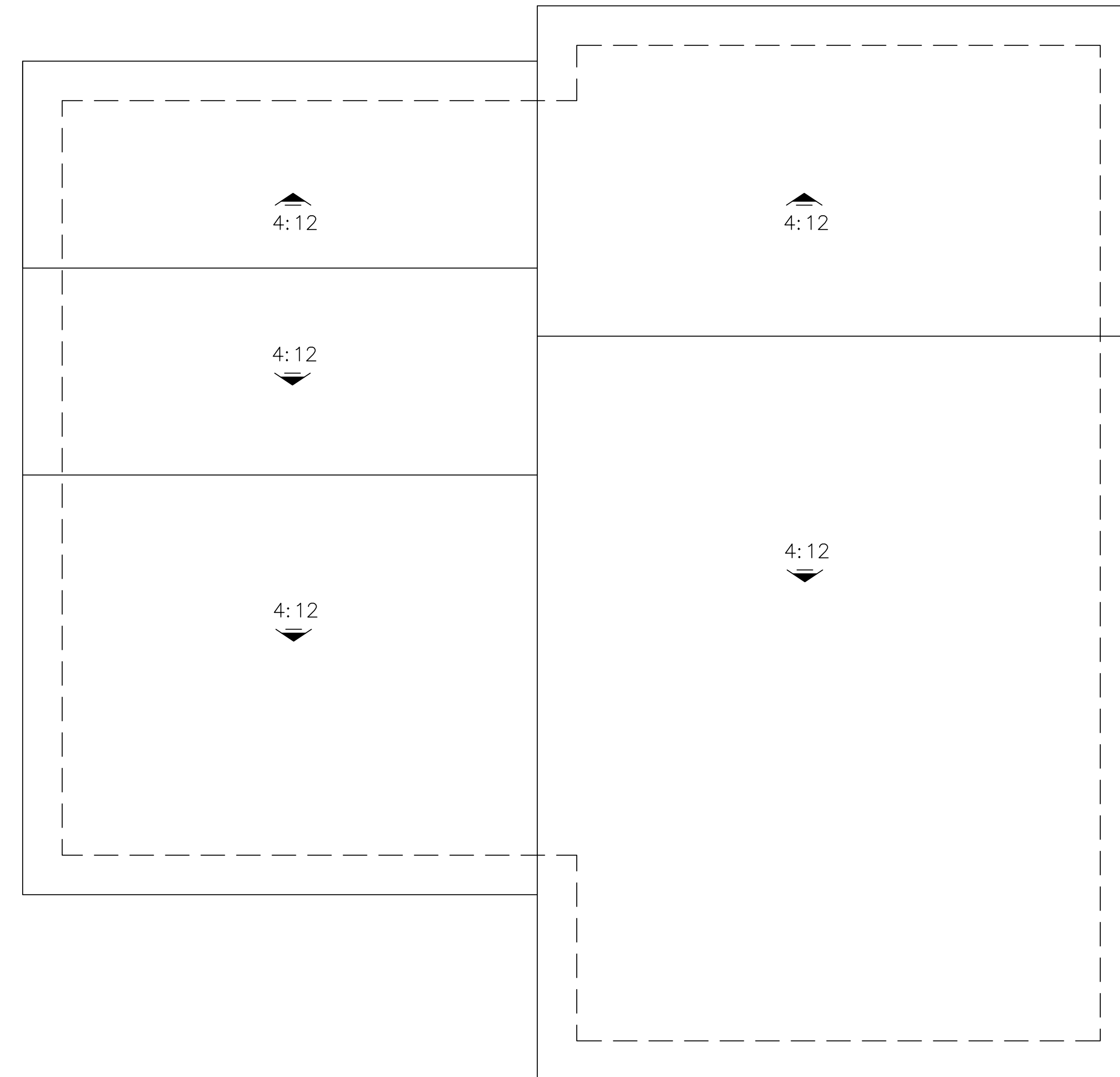
| WINDOW SCHEDULE | | | | | | | | | | | |
|-----------------|--------|---------|---------|-------|---------------|------------------|------------------|----------------|--------------|------------|------------------------|
| MARK | ROOM | WIDTH | HEIGHT | TYPE | MATERIAL | COLOR - INTERIOR | COLOR - EXTERIOR | HARDWARE COLOR | MANUFACTURER | MODEL | NOTES |
| 1 | OFFICE | 5'-0" | 5'-0" | BISL | VINYL/WOOD | UNFINISHED | MATCH EXISTING | MATCH EXISTING | ANDERSON | 400 SERIES | WUI COMPLIANT |
| 2 | OFFICE | 5'-0" | 5'-0" | BISL | VINYL/WOOD | UNFINISHED | MATCH EXISTING | MATCH EXISTING | ANDERSON | 400 SERIES | WUI COMPLIANT |
| 3 | HALL | 3'-0" | 1'-0" | FIXED | VINYL/WOOD | UNFINISHED | MATCH EXISTING | MATCH EXISTING | ANDERSON | 400 SERIES | WUI COMPLIANT |
| 4 | CLOSET | 22 1/2" | 22 1/8" | FIXED | ALUMINUM/WOOD | UNFINISHED | BRONZE | NA | VELUX | FS-D26 | WUI COMPLIANT SKYLIGHT |
| 5 | CLOSET | 22 1/2" | 22 1/8" | FIXED | ALUMINUM/WOOD | UNFINISHED | BRONZE | NA | VELUX | FS-D26 | WUI COMPLIANT SKYLIGHT |

KEY: VERIFY DOOR & WINDOW SIZES BEFORE PLACING ORDER. FOLLOW MANUFACTURERS R.O. DIMENSIONS FOR ALL DOOR & WINDOW OPENINGS

| | | | | | |
|-----|-----------------------|----|-----------------------|------|----------------------|
| BP | BI-PASS | T | TEMPERED/SAFETY GLASS | SL | SLIDER |
| BF | BI-FOLD | OS | OVERHEAD SECTIONAL | SGD | SLIDING GLASS DOOR |
| SC | SOLID CORE | O | OBSCURE | SH | SINGLE HUNG |
| HC | HOLLOW CORE | E | EXISTING TO REMAIN | DBLH | DOUBLE HUNG |
| 1HR | 1HR RATED FIRE DOOR | FR | FRENCH DOOR | AW | AWNING |
| | W/SELF CLOSING HINGES | SW | SWING | BISL | BIDIRECTIONAL SLIDER |



(E) ROOF PLAN
SCALE: 1/4"=1'-0"



(N) ROOF PLAN
SCALE: 1/4"=1'-0"

ROOF NOTES:

- ROOFING SPECIFICATION: CLASS "B" OR BETTER COMPOSITION ROOFING SHINGLES
- NEW DOWNSPOUTS DRAIN TO EXISTING UNDERGROUND DRAINS. SEE ELEVATIONS (A3.10 & A3.11) FOR DOWNSPOUT LOCATION

ATTIC FREE VENTILATION:

PER CRC SECTION R806.2 MINIMUM AREA: THE TOTAL AREA OF ATTIC VENTILATION MAY BE REDUCED TO 1/300 WHERE NOT LESS THAN 40% AND NOT MORE THAN 50% OF THE VENTILATION OCCURS IN THE UPPER ROOF AREA (WITHIN 3' OF THE RIDGE OR HIGHEST POINT). TOTAL FREE VENTILATION AREA AT THE UPPER VENTS SHALL NOT EXCEED THE AMOUNT OF FREE VENTILATION PROVIDED BY THE LOWER VENTS.

VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSION OF 1/16 INCH (1.6 MM) MINIMUM AND 1/4 INCH (6.4 MM) MAXIMUM. VENTILATION OPENINGS HAVING A LEAST DIMENSION LARGER THAN 1/4 INCH (6.4 MM) SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF 1/16 INCH (1.6 MM) MINIMUM AND 1/4 INCH (6.4 MM) MAXIMUM.

WHERE EAVE OR CORNICE VENTS ARE INSTALLED, INSULATION SHALL NOT BLOCK THE FREE FLOW OF AIR. NOT LESS THAN A 1-INCH SPACE SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING AND AT THE LOCATION OF THE VENT.

ATTIC SQUARE FEET = 307 SQ FT

NET FREE VENTILATION AREA (N.F.V.A.) REQUIRED:
307/150X144 = 295 SQ IN

LOWER = 148 SQ. IN. REQUIRED
WUJ COMPLIANT VULCAN VSC2120 CONTINUOUS SOFFIT VENT. 1-10' SECTION PER SIDE

UPPER = 148 SQ. IN. REQUIRED
WUJ COMPLIANT VULCAN VDLR419 LOW PROFILE EYEBROW VENT INSTALLED ON ROOF. 4 REQUIRED TO BE INSTALLED WITHIN 3' OF THE RIDGE. MAY ALL BE INSTALLED ON ONE SIDE - CONSULT OWNER

Revision History

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| | AS-BUILT |
| | PRELIMINARY DESIGN |
| | DESIGN |
| | PERMIT SET |
| ① | PLAN REVIEW COMMENTS |
| ② | PLAN REVIEW COMMENTS |
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REMODEL & ADDITION

OWNER:

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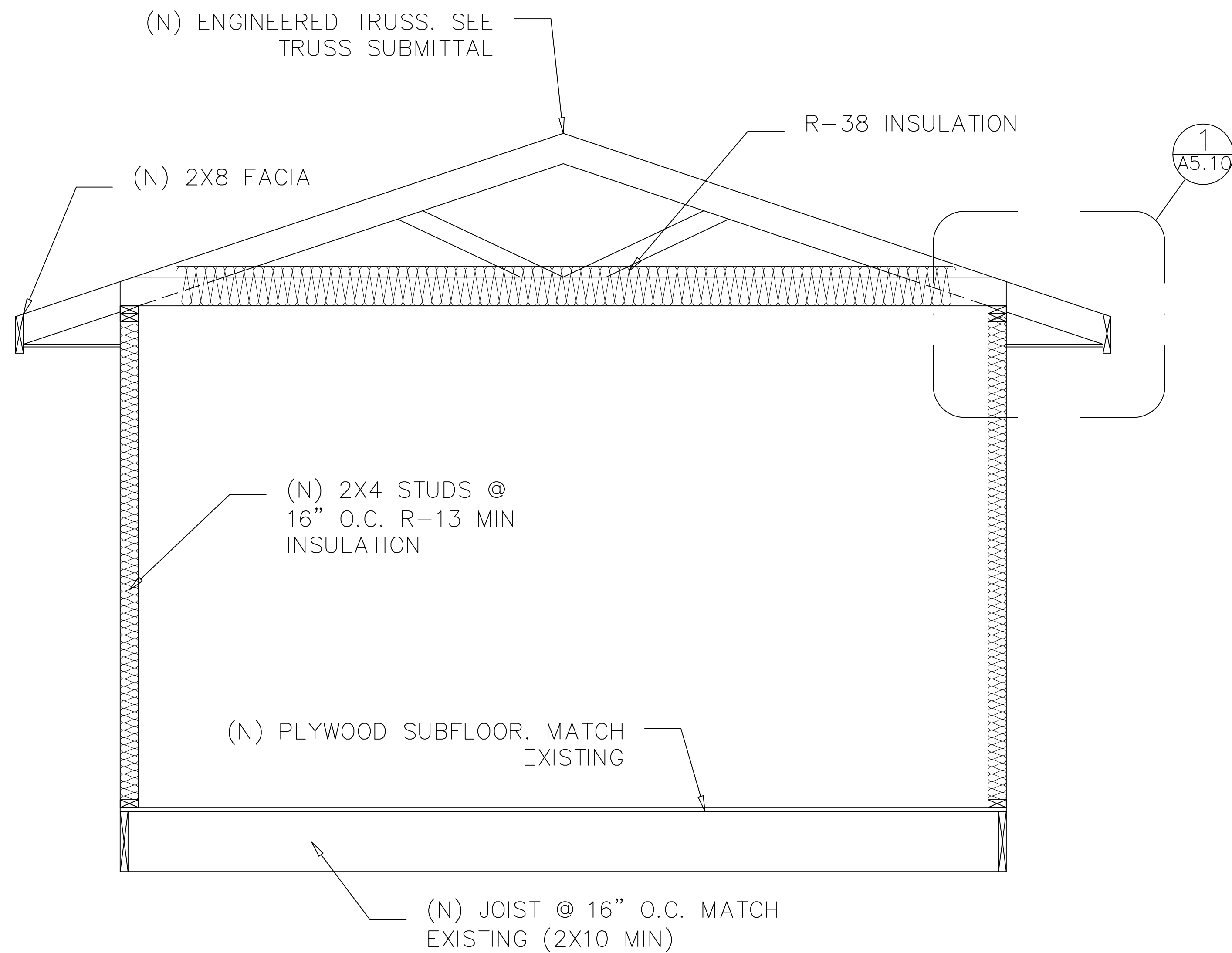
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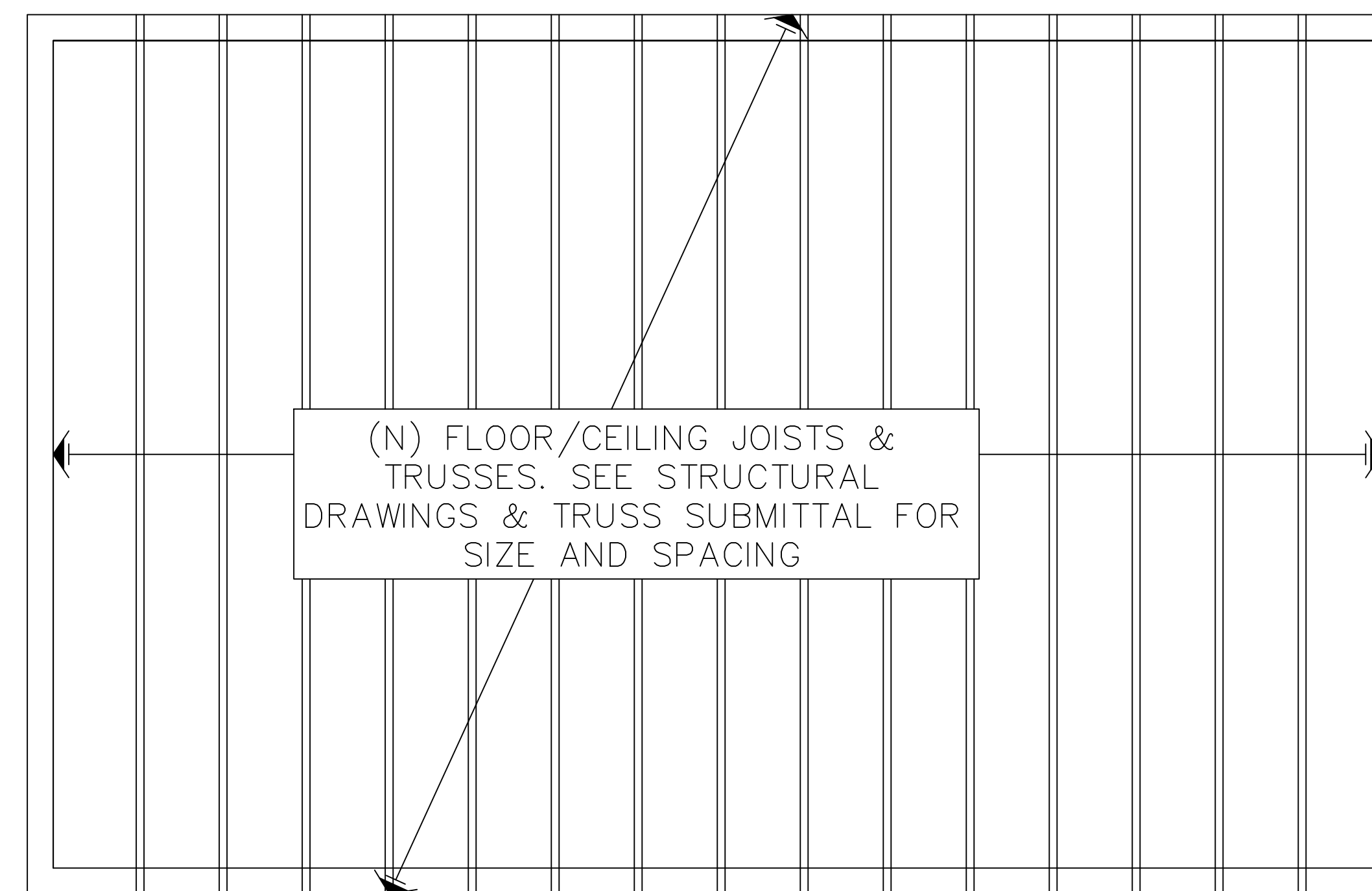
ROOF PLAN

A1.13

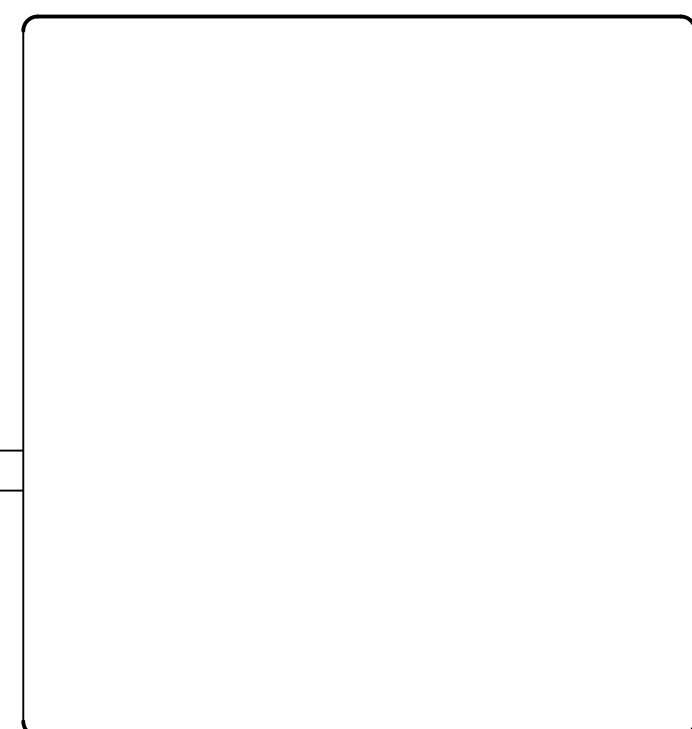


CONSTRUCTION NOTES:

- (N) SIDING @ REAR & SIDE OF STRUCTURE TO BE HARDIEPANEL SIERRA 8 OR SIMILAR NON-COMBUSTIBLE MATERIAL. SIDING TO MATCH EXISTING GROOVE PATTERN
- (N) SIDING @ FRONT OF STRUCTURE TO BE HARDIPLANK LAP SIDING OR SIMILAR NON-COMBUSTIBLE MATERIAL. MATCH EXISTING TEXTURE & EXPOSURE
- (N) ROOFING TO BE COMPOSITION OF CLASS "B" OR BETTER. COLOR TO MATCH EXISTING
- SEE SOFFIT DETAIL FOR VENTING & SOFFIT MATERIAL REQUIREMENTS



| Revision History | |
|------------------|----------------------|
| | AS-BUILT |
| | PRELIMINARY DESIGN |
| | DESIGN |
| | PERMIT SET |
| ▲ | PLAN REVIEW COMMENTS |
| ▲ | PLAN REVIEW COMMENTS |
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| | |
|--------------------|--------|
| REMODEL & ADDITION | OWNER: |
|--------------------|--------|

| |
|--|
| Drawing By: |
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| klimen@att.net |
| PH: 510.928.1359 |
| <i>Peter Christopher Klimen</i> |
| <small>DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN EMAIL: KLIMEN@ATT.NET DATE: 00/00/00</small> |

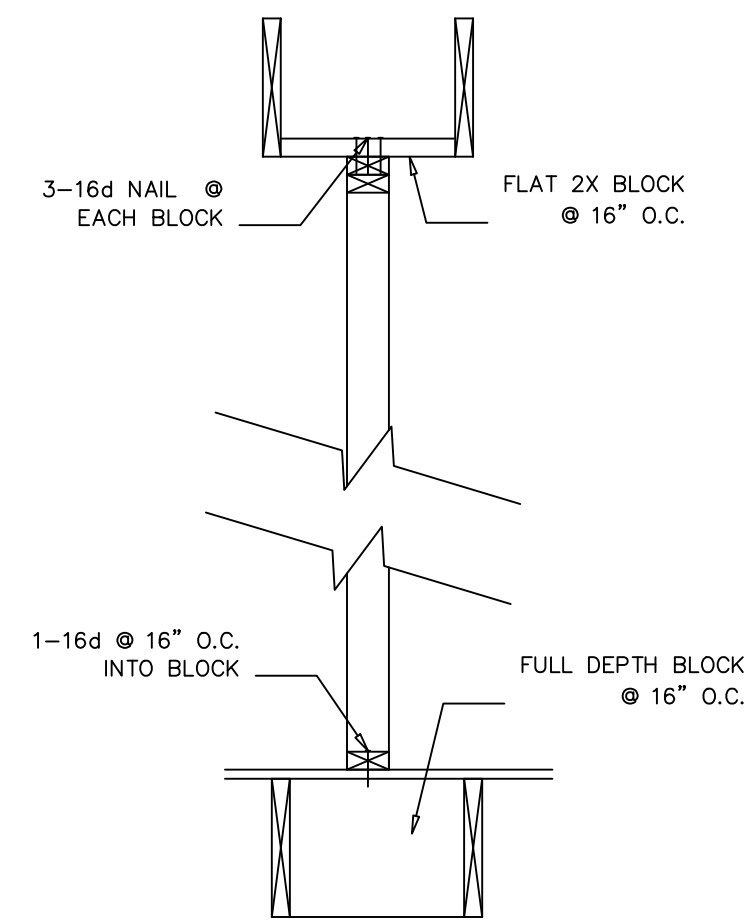
SECTION VIEW & FRAMING DETAILS

1
A4.10 SECTION VIEW
SCALE: 3/4"=1'-0"

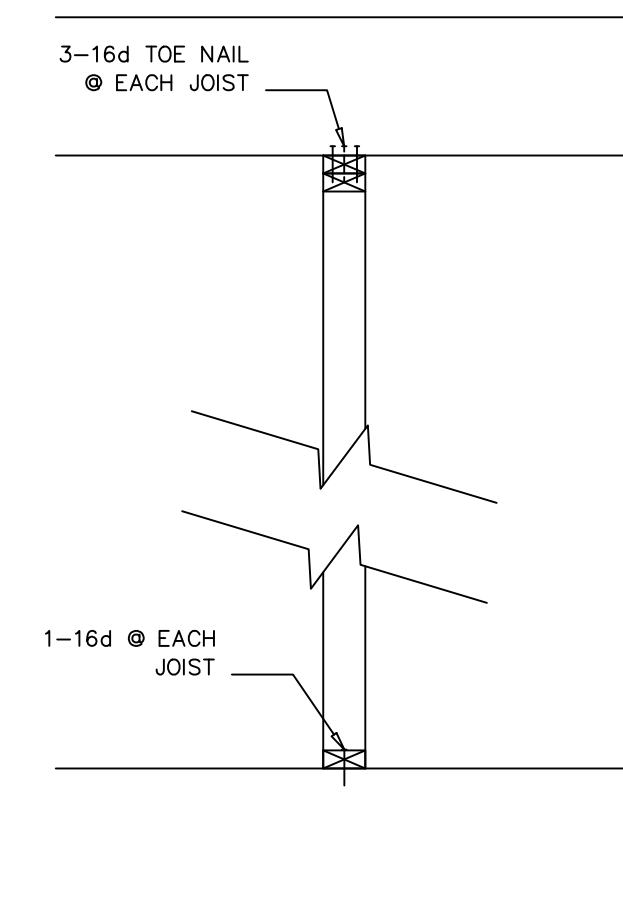
FLOOR, CEILING, & ROOF FRAMING
SCALE: 1/2"=1'-0"

A4.10

| 2019 CALIFORNIA BUILDING CODE | | | | | |
|---|--|--|---|---|---|
| TABLE 2304.10.1 FASTENING SCHEDULE | | | | | |
| CONNECTION | FASTENING _{a,m} | LOCATION | CONNECTION | FASTENING _{a,m} | LOCATION |
| 1. JOIST TO SILL OR ORDER | 3-8d COMMON (2½"x0.131") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | TOENAIL | 20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE | 2-8d COMMON (2½"x0.131") 2-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | FACE NAIL |
| 2. BRIDGING TO JOIST | 2-8d COMMON (2½"x0.131") 2-5"x0.131" NAILS 2-3" 14 GAGE STAPLES | TOENAIL EACH END | 21. 1"x8" SHEATHING TO EACH BEARING | 3-8d COMMON (2½"x0.131") | FACE NAIL |
| 3. 1"x8" SUBFLOOR OR LESS TO EACH JOIST | 2-8d COMMON (2½"x0.131") | FACE NAIL | 22. WIDER THAN 1"x8" SHEATHING TO EACH BEARING | 3-8d COMMON (2½"x0.131") | FACE NAIL |
| 4. WIDER THAN 1"x8" SUBFLOOR TO EA. JOIST | 3-8d COMMON (2½"x0.131") | FACE NAIL | 23. BUILT-UP CORNER STUDS | 16d COMMON (3½"x0.162") 3"x0.131" NAILS 3" 14 GAGE STAPLES | 24"x0.c. 16"x0.c. 16"x0.c. |
| 5. 2" SUBFLOOR TO JOIST OR ORDER | 2-16d COMMON (3½"x0.162") | BLIND AND FACE NAIL | 24. BUILT-UP ORDER AND BEAMS | 20d COMMON (4"x0.192") 3"x0.131" NAIL AT 24"x0.c. 3" 14 GAGE STAPLE AT 24"x0.c. | FACE NAIL AT TAB STAGGERED ON OPPOSITE SIDES |
| 6. SOLE PLATE TO JOIST OR BLOCKING | 16d (3½"x0.135") AT 16"x0.c. 3"x0.131" NAILS AT 8"x0.c. 3" 14 GAGE STAPLES AT 12"x0.c. | TYPICAL FACE NAIL | 25. 2" PLANKS | 2-20d COMMON (4"x0.192") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | FACE NAIL AT ENDS AND AT EACH SPUCE |
| SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL | 3"-16d (3½"x0.135") AT 16"x0.c. 4-3"x0.131" NAILS AT 16"x0.c. 4-3" 14 GAGE STAPLES AT 16"x0.c. | BRACED WALL PANELS | | 16d COMMON (3½"x0.162") | AT EACH BEARING |
| 7. TOP PLATE TO STUD | 2-16d COMMON (3½"x0.162") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | END NAIL | 26. COLLAR TIE TO RAFTER | 3-10d COMMON (3"x0.148") 4-3"x0.131" NAILS 4-3" 14 GAGE STAPLES | FACE NAIL |
| 8. STUD TO SOLE PLATE | 4-8d COMMON (2½"x0.131") 4-3"x0.131" NAILS 3-3" 14 GAGE STAPLES | TOENAIL | 27. JACK RAFTER TO HIP | 3-10d COMMON (3"x0.148") 4-5"x0.131" NAILS 4-3" 14 GAGE STAPLES | TOENAIL |
| | 2-16d COMMON (3½"x0.162") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | END NAIL | | 2-16d COMMON (3½"x0.162") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | FACE NAIL |
| 9. DOUBLE STUDS | 16d (3½"x0.135") AT 24"x0.c. 3"x0.131" NAIL AT 8"x0.c. 3" 14 GAGE STAPLE AT 8"x0.c. | FACE NAIL | 28. ROOF RAFTER TO 2-BY RIDGE BEAM | 2-16d COMMON (3½"x0.162") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | TOENAIL |
| 10. DOUBLE TOP PLATES | 16d (3½"x0.135") AT 16"x0.c. 3"x0.131" NAIL AT 12"x0.c. 3" 14 GAGE STAPLE AT 12"x0.c. | TYPICAL FACE NAIL | 29. JOIST TO BAND JOIST | 3-16d COMMON (3½"x0.162") 4-3"x0.131" NAILS 4-3" 14 GAGE STAPLES | FACE NAIL |
| | DOUBLE TOP PLATES | 8-16d COMMON (3½"x0.162") 12-3"x0.131" NAILS 12-3" 14 GAGE STAPLES | | LAP SPUCE PER SIDE | FACE NAIL |
| 11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE | 3-8d COMMON (2½"x0.131") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | TOENAIL | 30. LEDGER STRIP | 3-16d COMMON (3½"x0.162") 4-3"x0.131" NAILS 4-3" 14 GAGE STAPLES | FACE NAIL |
| 12. RIM JOIST TO TOP PLATE | 8d (2½"x0.131") AT 8"x0.c. 3"x0.131" NAIL AT 8"x0.c. 3" 14 GAGE STAPLE AT 8"x0.c. | TOENAIL | 31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) | ½" AND LESS | 6d 2½"x0.113" NAIL 1½" 16 GAGE |
| 13. TOP PLATES, LAPS AND INTERSECTIONS | 2-16d COMMON (3½"x0.162") 3-5"x0.131" NAILS 3-3" 14 GAGE STAPLES | FACE NAIL | | ¾" TO 1" | 8d OR 6d 2½"x0.113" NAIL 2" 16 GAGE |
| 14. CONTINUOUS HEADER, TWO PIECES | 16d COMMON (3½"x0.162") | 16"x0.c. ALONG EDGE | ¾" TO 1" | 8d 10d OR 8d | |
| 15. CEILING JOISTS TO PLATE | 3-8d COMMON (2½"x0.131") 5-5"x0.131" NAILS 5-3" 14 GAGE STAPLES | TOENAIL | SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING) | ¾" AND LESS | 6d 8d 10d OR 8d |
| 16. CONTINUOUS HEADER TO STUD | 4-8d COMMON (2½"x0.131") | TOENAIL | 32. PANEL SIDING (TO FRAMING) | ½" OR LESS | 6d 8d |
| 17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1) | 3-16d COMMON (3½"x0.162") MINIMUM, TABLE 2308.10.4.1 4-3"x0.131" NAILS 4-3" 14 GAGE STAPLES | FACE NAIL | 33. FIBERBOARD SHEATHING | ½" | NO.11 GAGE ROOFING NAIL 6d COMMON NAIL (2½"x0.113") NO.16 GAGE STAPLE |
| | 3-16d COMMON (3½"x0.162") MINIMUM, TABLE 2308.10.4.1 4-3"x0.131" NAILS 4-3" 14 GAGE STAPLES | FACE NAIL | | ¾" | NO.11 GAGE ROOFING NAIL 8d COMMON NAIL (2½"x0.131") NO.16 GAGE STAPLE |
| 19. RAFTERS TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1) | 3-8d COMMON (2½"x0.131") 3-3"x0.131" NAILS 3-3" 14 GAGE STAPLES | TOENAIL | 34. INTERIOR PANELING | ½" ¾" | 4d 6d |



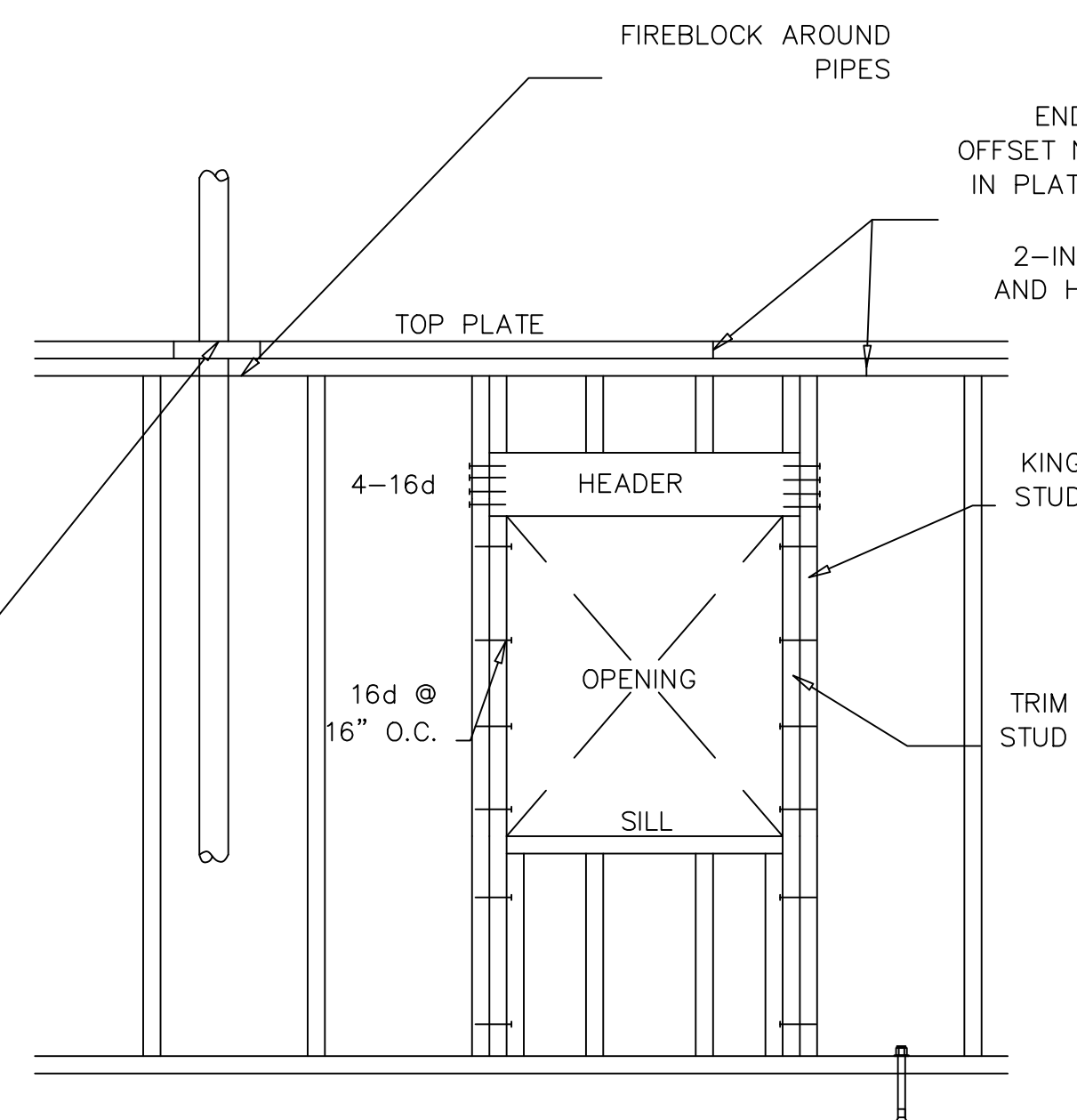
WALL FRAMING PARALLEL TO JOIST



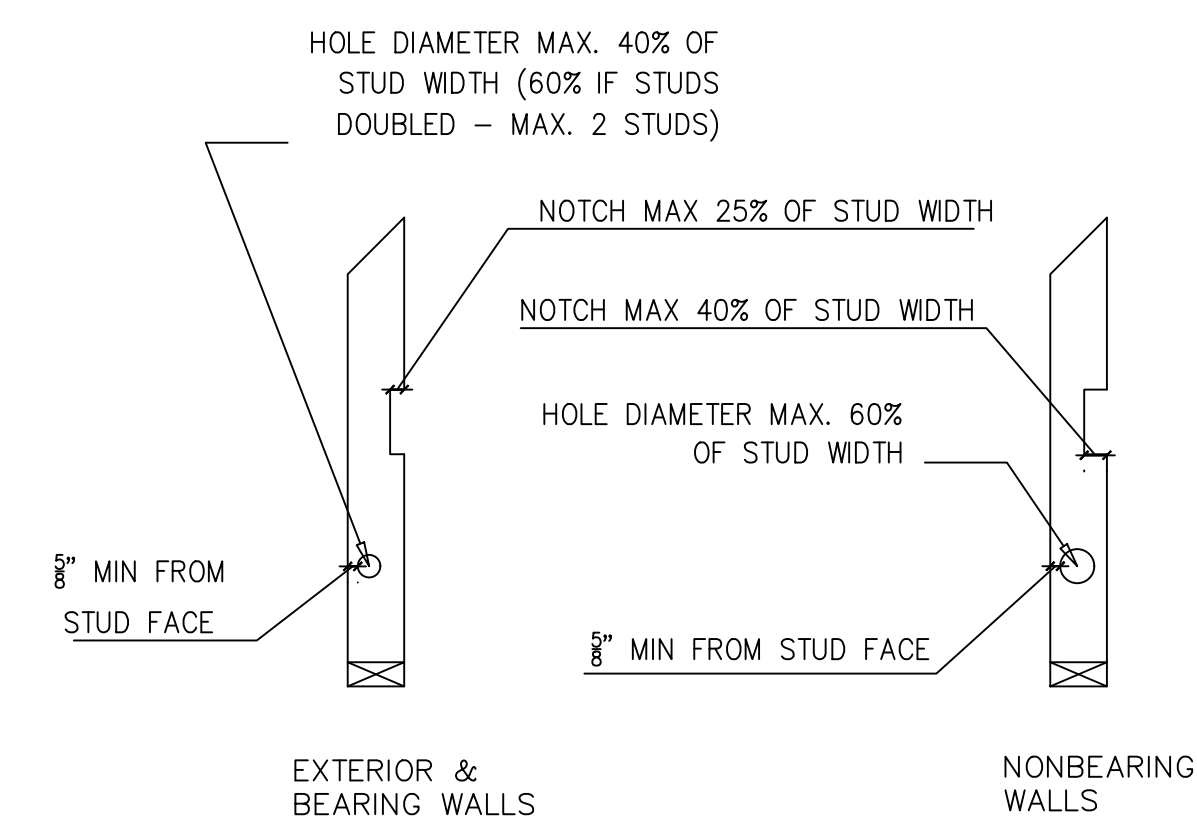
WALL FRAMING PERPENDICULAR TO JOIST

WHEN PIPING OR DUCTWORK IS PLACED IN OR PARTLY IN AN EXTERIOR WALL OR INTERIOR LOAD-BEARING WALL, NECESSITATING CUTTING, DRILLING OR NOTCHING OF THE TOP PLATE BY MORE THAN 50 PERCENT OF ITS WIDTH, A GALVANIZED METAL TIE NOT LESS THAN 0.054 INCH THICK (16 GA) AND 11/2 INCHES WIDE SHALL BE FASTENED ACROSS AND TO THE PLATE AT EACH SIDE OF THE OPENING WITH NOT LESS THAN EIGHT 10D (0.148 INCH DIAMETER) NAILS HAVING A MINIMUM LENGTH OF 1 1/2 INCHES AT EACH SIDE OR EQUIVALENT. THE METAL TIE MUST EXTEND A MINIMUM OF 6 INCHES PAST THE OPENING.

EXCEPTION: WHEN THE ENTIRE SIDE OF THE WALL WITH THE NOTCH OR CUT IS COVERED BY WOOD STRUCTURAL PANEL SHEATHING.

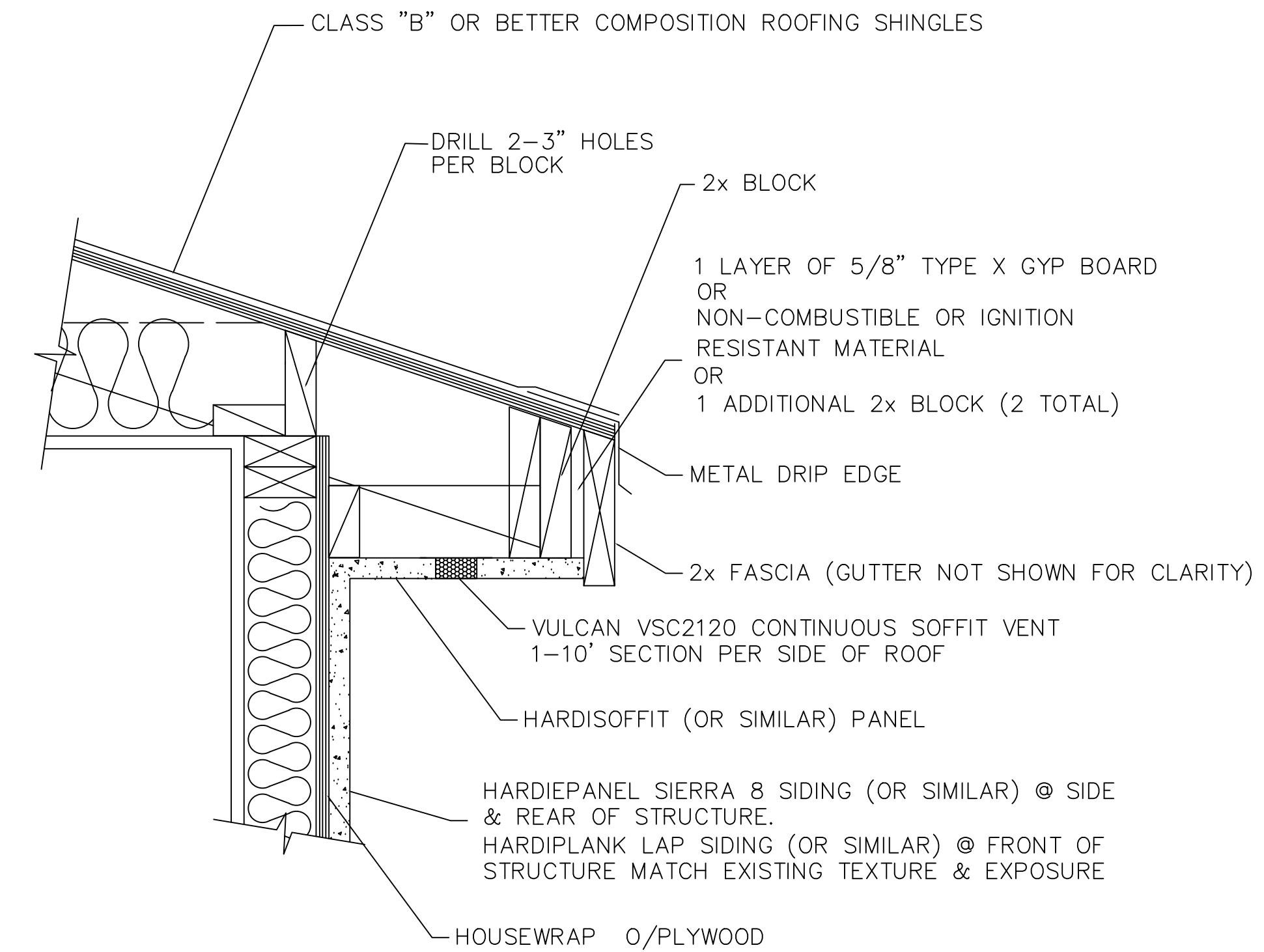


END JOINTS IN TOP PLATES SHALL BE OFFSET NOT LESS THAN 24 INCHES. JOINTS IN PLATES NEED NOT OCCUR OVER STUDS. PLATES SHALL BE NOT LESS THAN 2-INCHES (51 MM) NOMINAL THICKNESS AND HAVE A WIDTH NOT LESS THAN THE WIDTH OF THE STUDS.



BORING & NOTCHING OF STUDS

1 EAVE DETAIL
A5.10 NOT TO SCALE



DETAIL NOTES:
CONSTRUCTION METHOD TYPICAL (LESS VENTS) FOR EAVES @ GABLE ROOF ENDS

Revision History

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| | AS-BUILT |
| | PRELIMINARY DESIGN |
| | DESIGN |
| | PERMIT SET |
| ▲ | PLAN REVIEW COMMENTS |
| ▲ | PLAN REVIEW COMMENTS |

REMODEL & ADDITION

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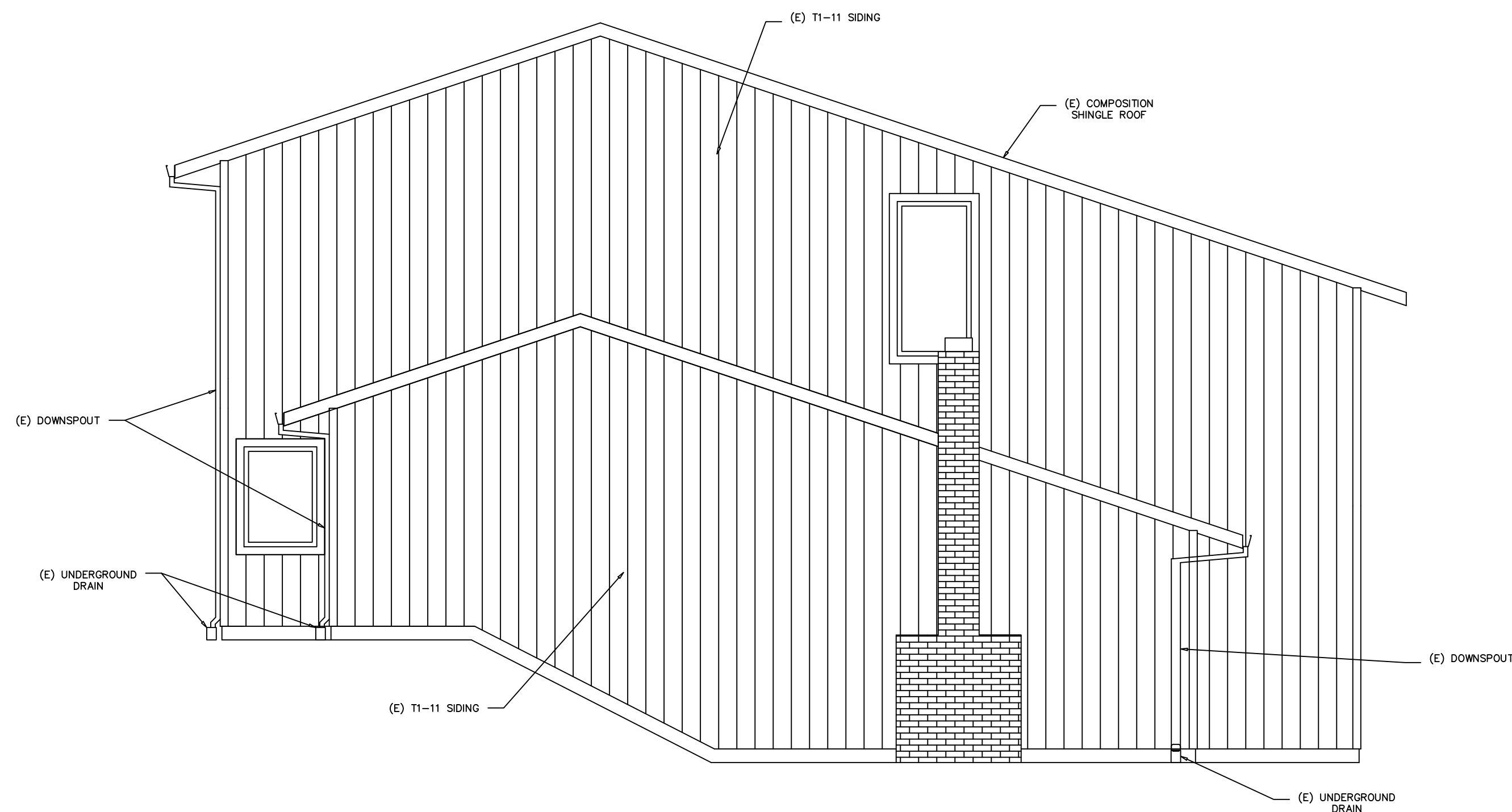
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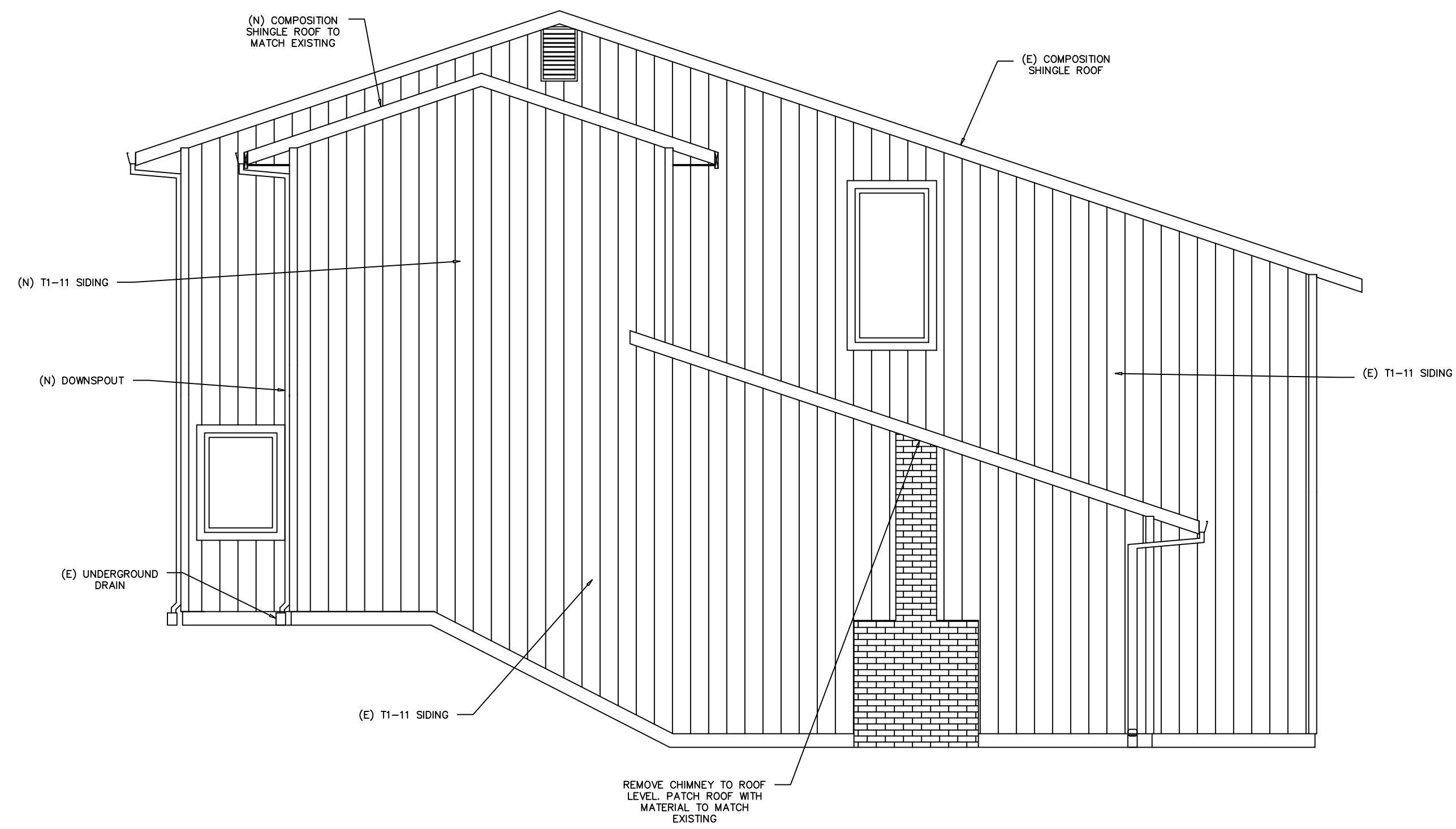
DIGITALLY SIGNED BY PETER CHRISTOPHER KLIMEN
EMAIL:KLIMEN@ATT.NET DATE: 00/00/00

DETAILS

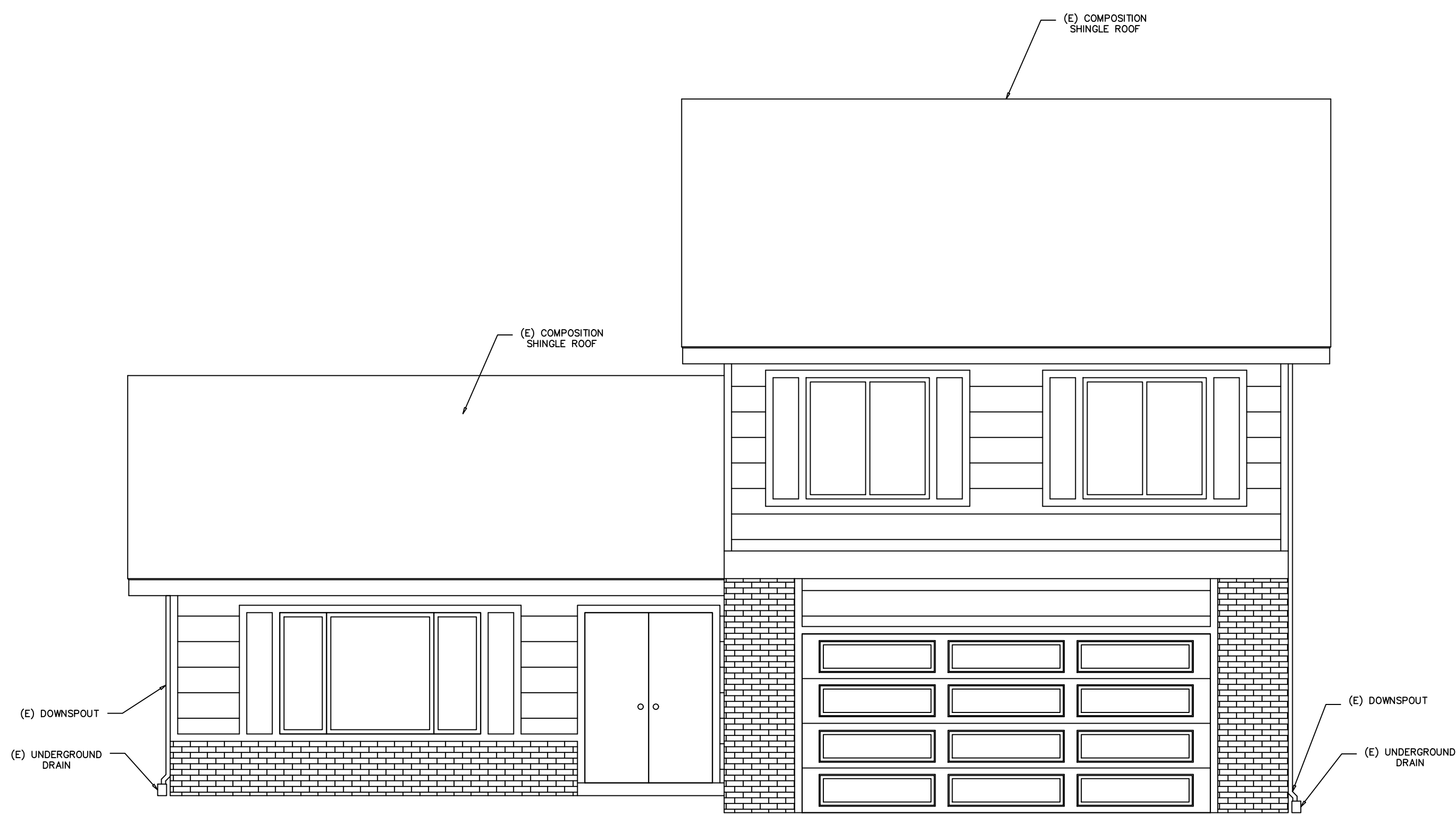
A5.10



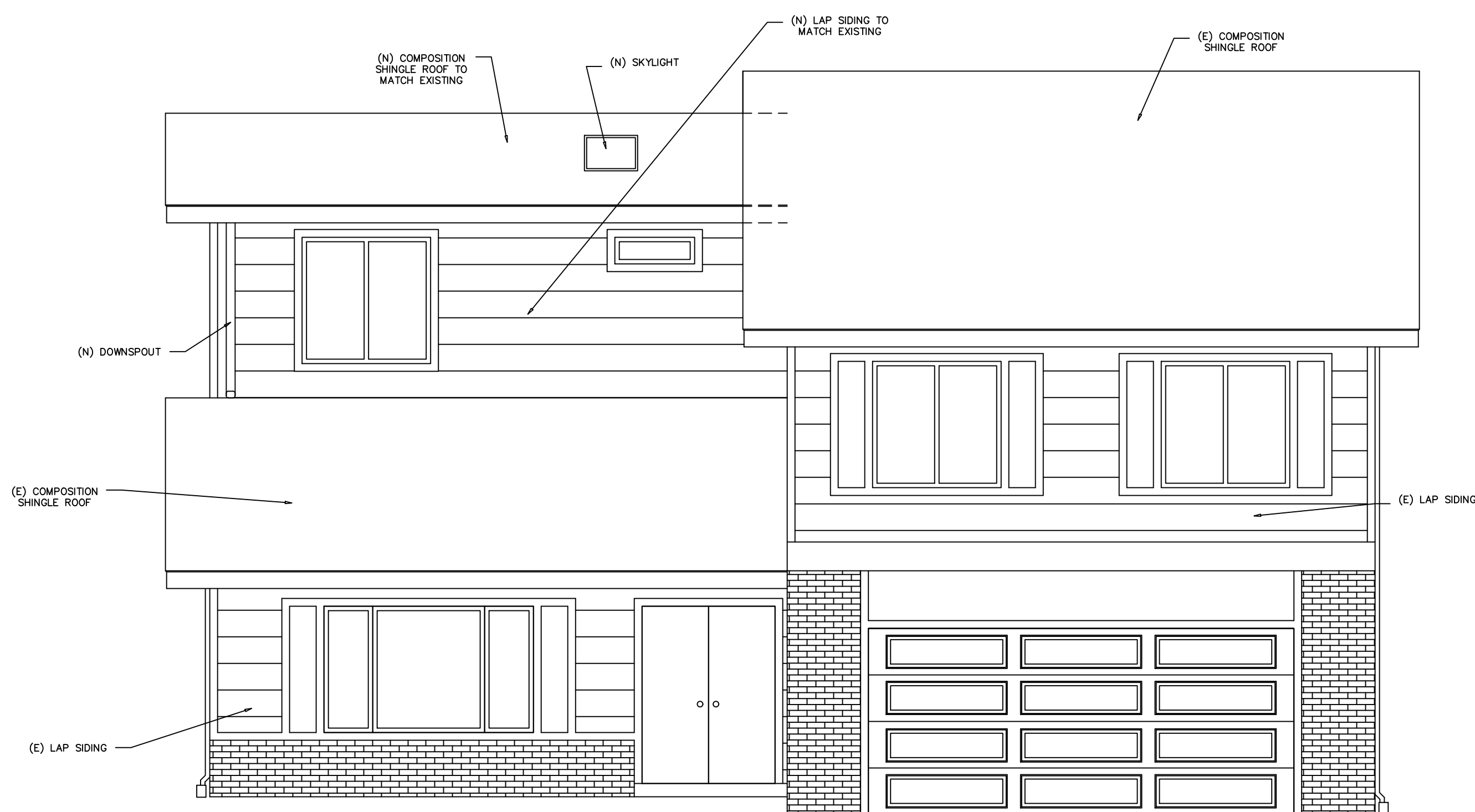
(E) ELEVATION FROM WEST
SCALE: 1/4"=1'-0"



(N) ELEVATION FROM WEST
SCALE: 1/4"=1'-0"



(E) ELEVATION FROM SOUTH
SCALE: 1/4"=1'-0"



(N) ELEVATION FROM SOUTH
SCALE: 1/4"=1'-0"

Revision History

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| | AS-BUILT |
| | PRELIMINARY DESIGN |
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| | PERMIT SET |
| ▲ | PLAN REVIEW COMMENTS |
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REMODEL & ADDITION

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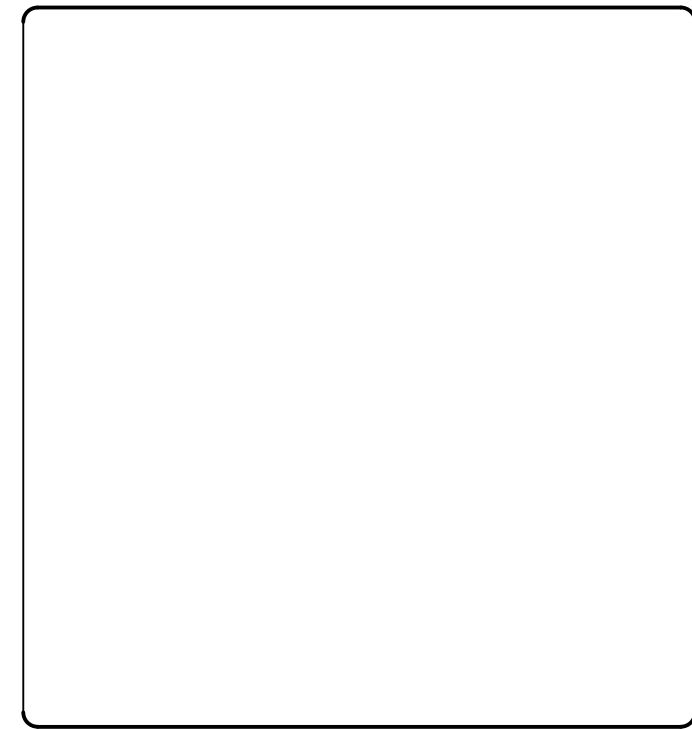
Peter Christopher Klimen

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ELEVATIONS

A3.10

| Revision History | |
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| | AS-BUILT |
| | PRELIMINARY DESIGN |
| | DESIGN |
| | PERMIT SET |
| ▲ | PLAN REVIEW COMMENTS |
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REMODEL & ADDITION

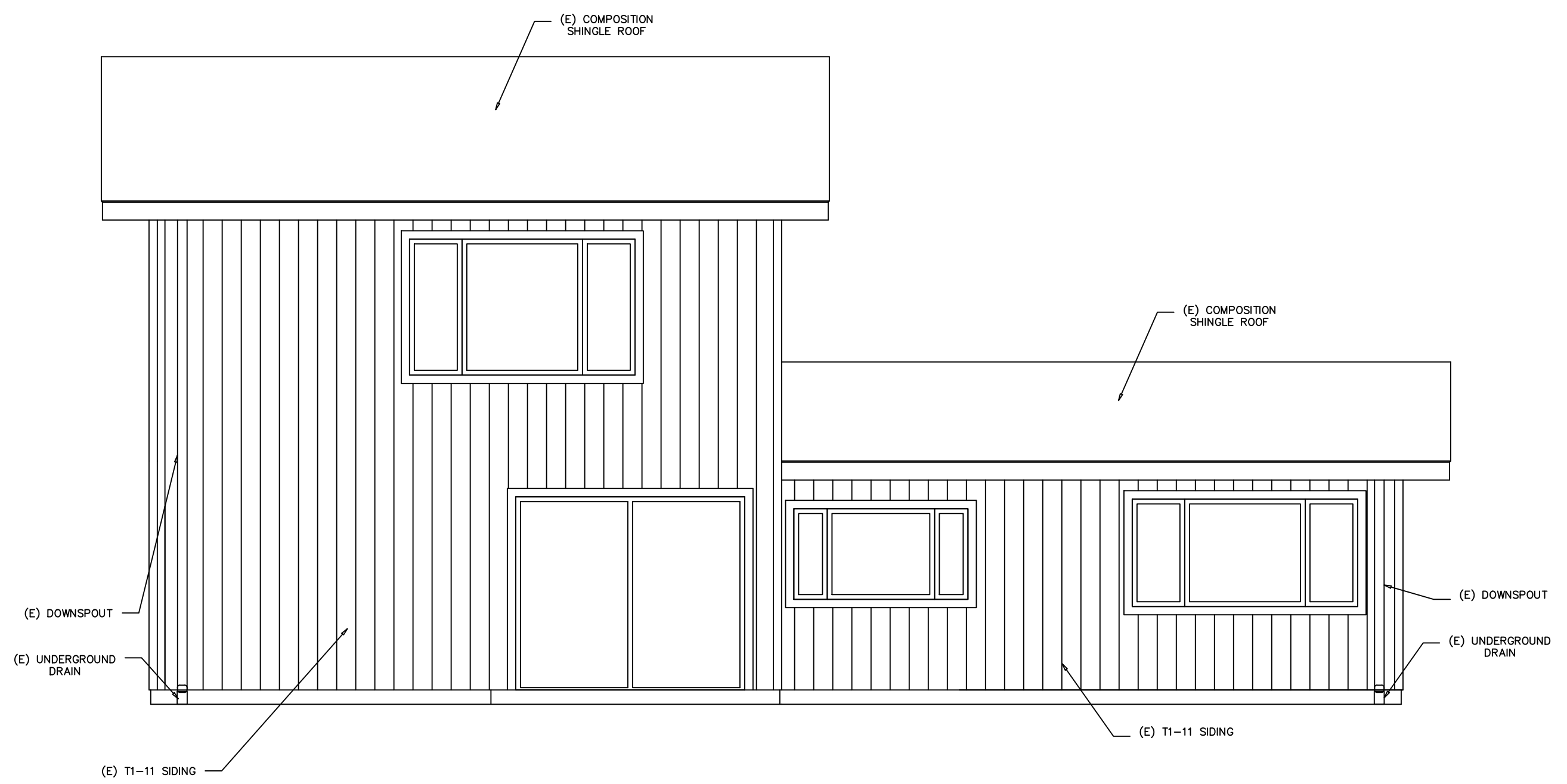
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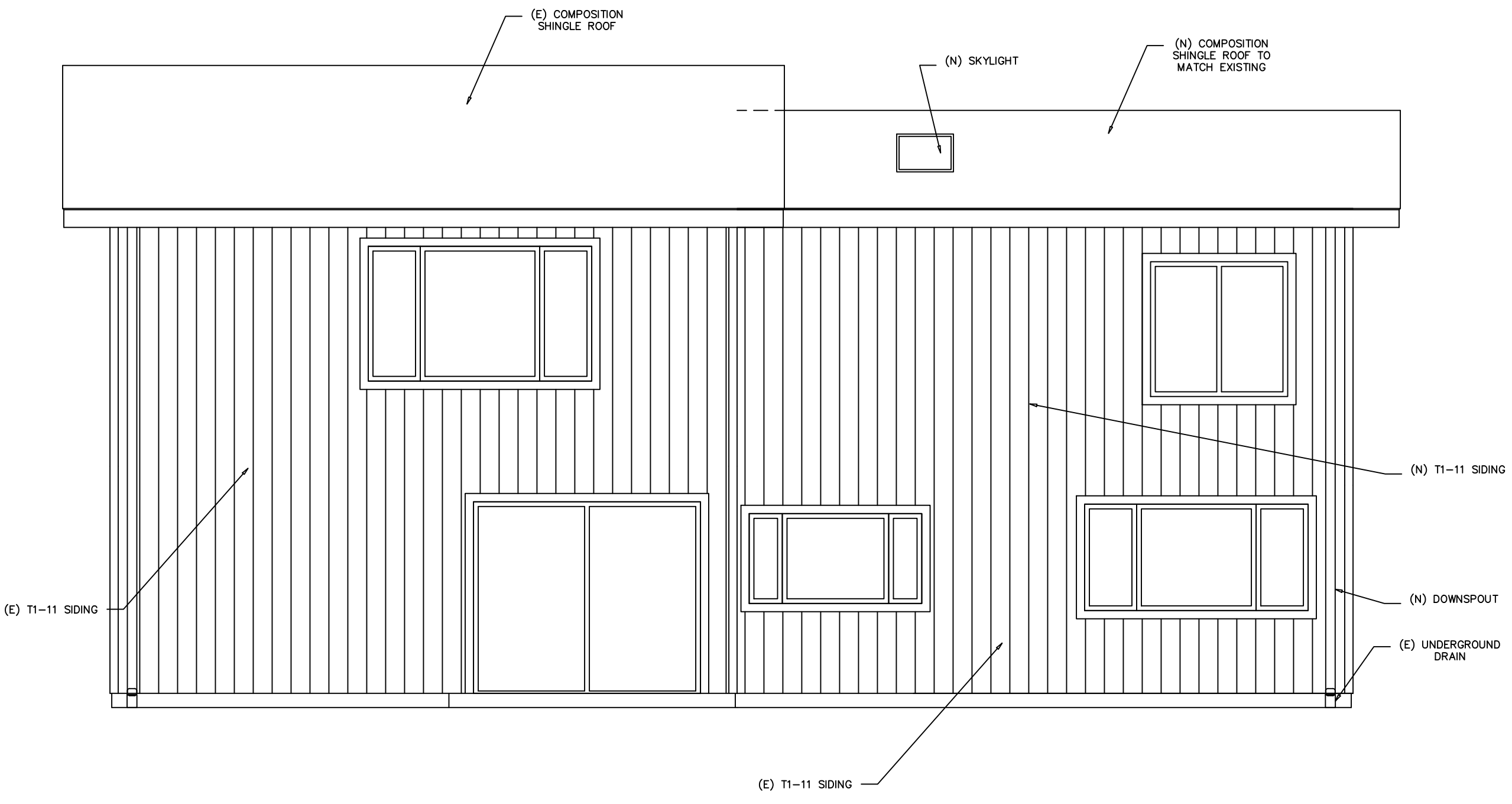
Peter Christopher Klimen
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EMAIL: KLIMEN@ATT.NET DATE: 00/00/00

ELEVATIONS

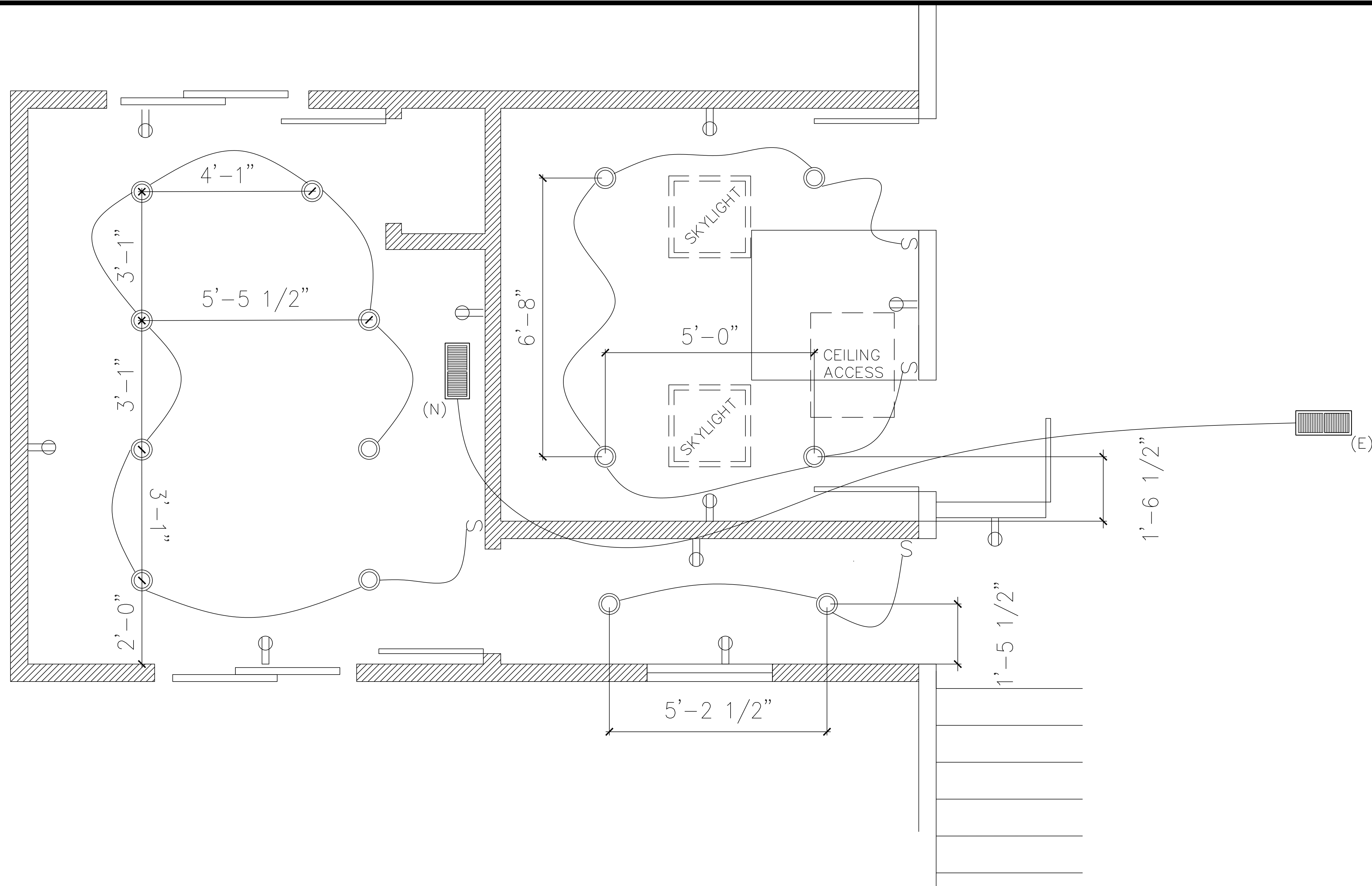
A3.11



(E) ELEVATION FROM NORTH
SCALE: 1/4"=1'-0"



(N) ELEVATION FROM NORTH
SCALE: 1/4"=1'-0"



ELECTRICAL NOTES:

- SEE SHEETS A0.2, G1.0 & G1.1 FOR MANDATORY ELECTRICAL REQUIREMENTS

MECHANICAL NOTES:

- SEE SHEETS A0.2, G1.0 & G1.1 FOR MANDATORY MECHANICAL REQUIREMENTS AND SPECIFICATIONS
- EXTEND HVAC FROM REGISTER IN BEDROOM 3 TO NEW OFFICE AS INDICATED
- HVAC SYSTEM INSTALLERS MUST BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS.
- ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF WATER, DUST OR DEBRIS WHICH MAY ENTER THE SYSTEM.

Revision History

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| | AS-BUILT |
| | PRELIMINARY DESIGN |
| | DESIGN |
| | PERMIT SET |
| 1 | PLAN REVIEW COMMENTS |
| 2 | PLAN REVIEW COMMENTS |
| | |
| | |

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**ELECTRICAL &
MECHANICAL
PLAN**

EM1.10

ELECTRICAL & MECHANICAL PLAN
SCALE: 3/4"=1'-0"