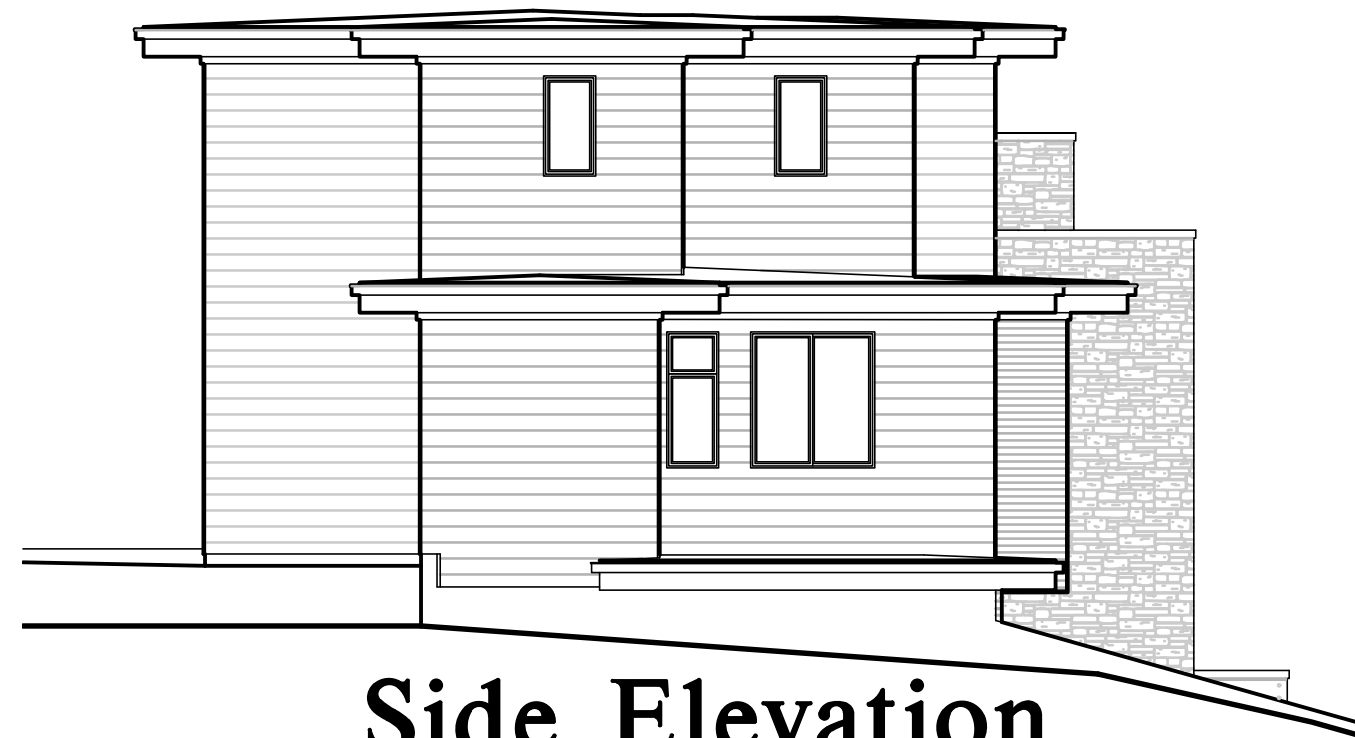




Rear Elevation



Side Elevation



Side Elevation

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- A1.1. SITE PLAN & TREE RETENTION PLAN
- CV-01 COVER SHEET
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- TP-02 TESC NOTES & DETAILS
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- SD-3 STRUCTURAL DETAILS
- SD-4 STRUCTURAL DETAILS



Buchan Homes
Westview Plan

Permit no. 2210-120

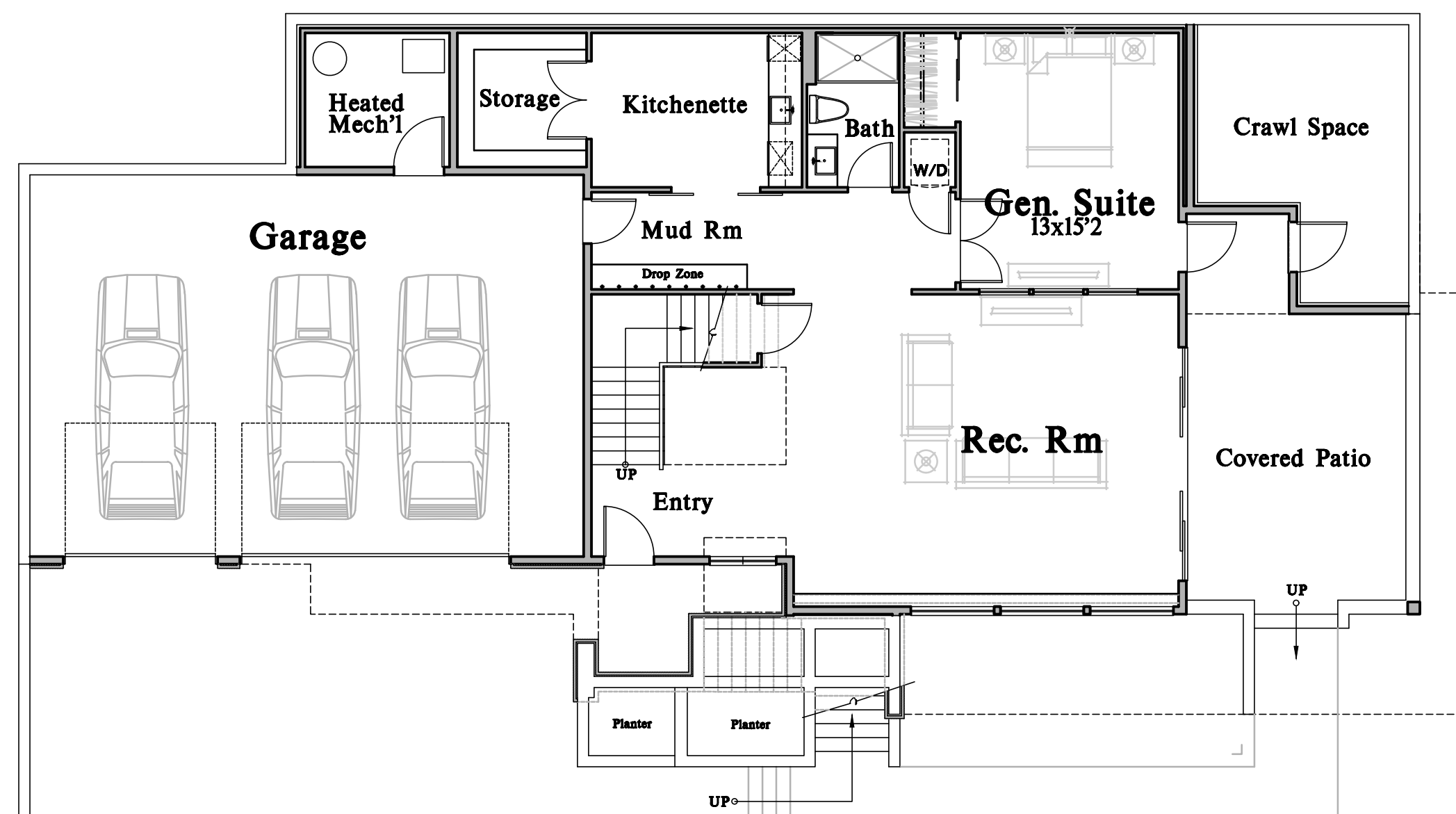
3036 67th Ave SE

Mercer Island, WA

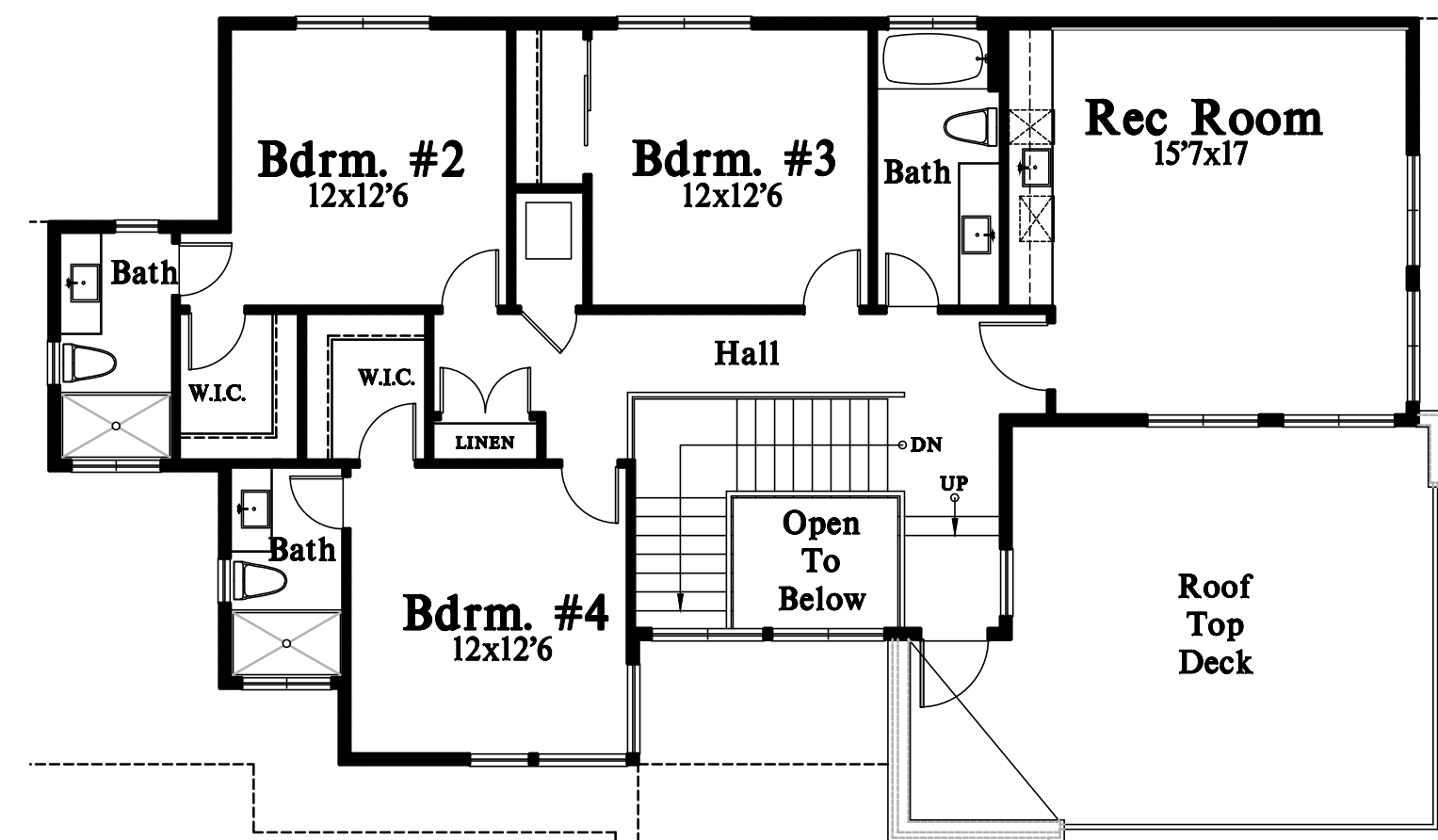
NFPA 13D FIRE SPRINKLER SYSTEM TO BE INSTALLED
NFPA "CHAPTER 29" FIRE ALARM SYSTEM REQUIRED

SQUARE FOOTAGE

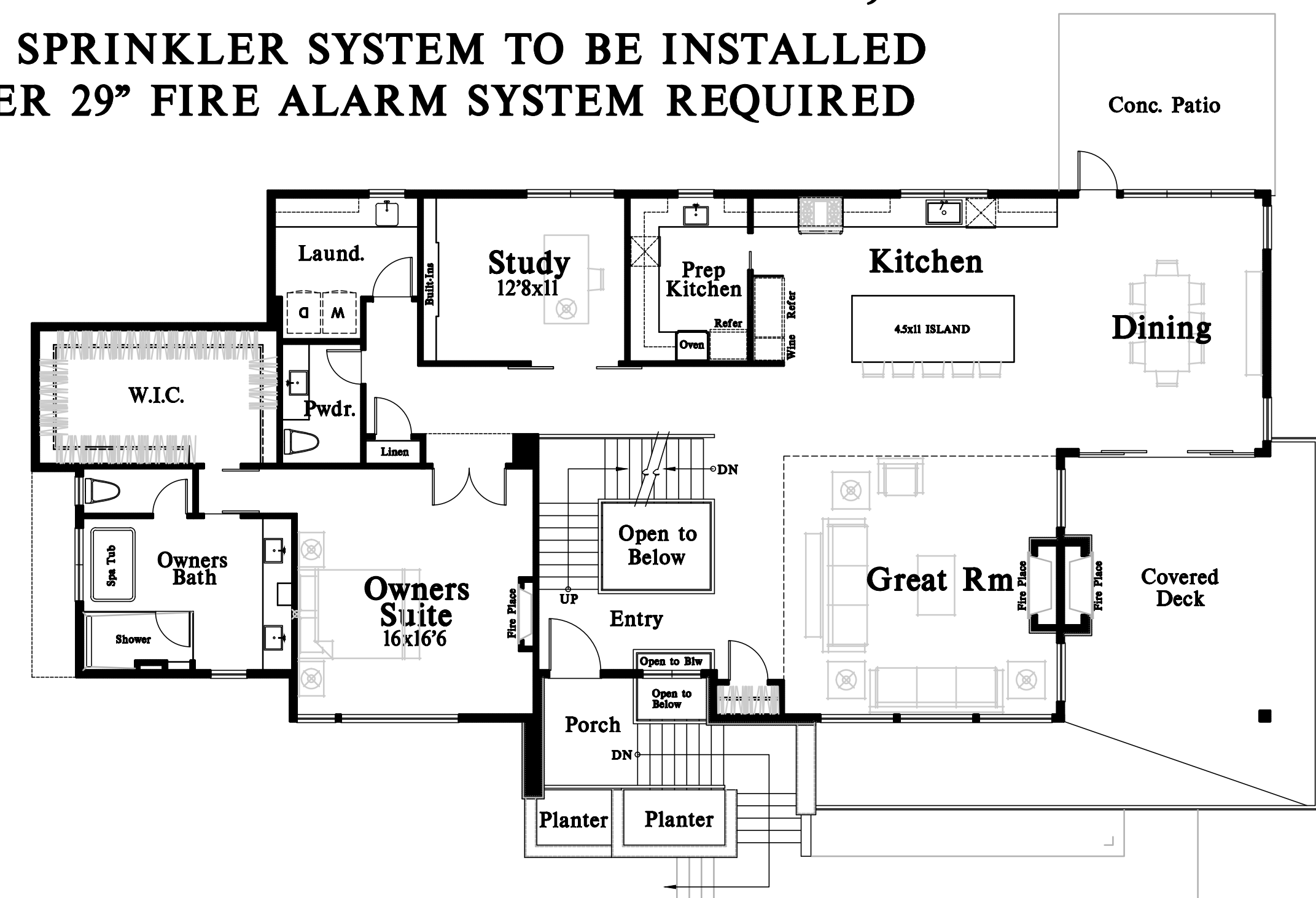
MAIN FLOOR	2447 SF
UPPER FLOOR	1327 SF
LOWER	1312 SF
TOTAL	5086 SF
GARAGE	897 SF
PORCH/DECK	1409 SF



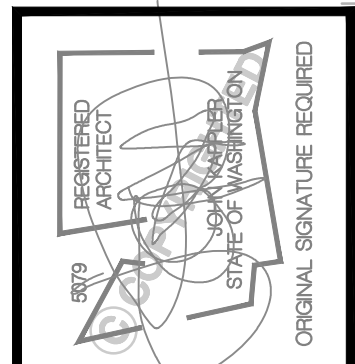
Lower Floor Plan



Upper Floor Plan



Main Floor Plan



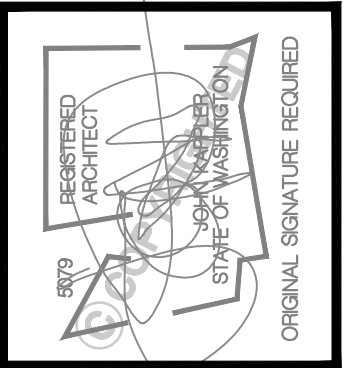
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10/22/22	REY	PERMIT SET
8/17/23	REY	JURISDICTIONAL COMMENTS
8/25/23	REY	JURISDICTIONAL COMMENTS
10/5/23	REY	JURISDICTIONAL COMMENTS
11/2/23	REY	JURISDICTIONAL COMMENTS-CLOUDED

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Mercer Island, WA
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Bellevue, WA 98007
1-800-888-4517
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TITLE	
JOB NO.:	21076.21
STARTING NO.:	21076.05

SHEET
COVER SHEET



Date	By	Description
10/12/22	REY. PERMIT SET	
8/17/23	REY. JURISDICTIONAL COMMENTS	
8/25/23	REY. JURISDICTIONAL COMMENTS	
11/27/23	REY. JURISDICTIONAL COMMENTS-CLOSED	

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TITLE

JOB NO.:	21076.21
STARTING NO.:	21076.05

WASHINGTON STATE ENERGY CODE
General Notes:
1. Per WSEC R402.4 the building envelope shall be constructed to limit the air leakage rate not to exceed 5 air changes per hour. The results of the test shall be signed by the party conducting the test and provided to the code official (R402.4.12).
2. Per WSEC R403.11 at least one thermostat per dwelling unit shall be capable of controlling the heating and cooling system on a daily schedule.
3. Per WSEC R403.32 ducts, air handlers, and filter boxes shall be sealed.

SHEET
A1

**Division 5
MECHANICAL**

5000 GENERAL
1. Mechanical system to be bidder design.
2. Regulatory requirements.
3. Material and workmanship in accordance with General Requirements.
4. Heating and cooling equipment shall be sized based on building loads calculated in accordance with ACCA manual 1 or other approved heating and cooling calculation methodologies. Per M5403.
5. Contractor work out plumbing and HVAC diagram layout.
6. Coordinate with other trades.

5400 PLUMBING
Part 2 - Product
1. Pipes and Fittings:
A. Waste & vent: 1/2" ABS plastic of size req'd for the intended purpose.
B. Provide cast iron with compression neoprene joints per locations shown on the drawings.
2. Provide clean-outs at bends.
3. Vents: ABS
C. Gas: Per code, verify location of appliances.
D. Flushing fixtures: 1. General Requirements.
E. Provide clean-out for the gas meter. The valve shall be located outside of the structure and be accessible.

Part 3 - Execution
1. Provide an approved earthquake shut-off valve installed in the building supply line immediately after the gas meter. The valve shall be located outside of the structure and be accessible.
2. Below Grade: 1/4" type K with hard solder
3. Above Grade: Type L with soft solder
4. Hot water heater: (Dual in tandem)
A. Size per UPC 501 and Table 501.1 and jurisdictional amendments.
B. Coordinate with owner's material selection (by others).
C. Main shut-off valve in garage.
D. Flushing fixtures: 1. Coordinate with owner's material selection (by others).
E. Provide "T" connection in main line in garage by main shut-off valve with separate shut-off and drain valve.

5400 PLUMBING (cont.)
4. Automatic Sprinkler System: (bidder design)
Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with industry standards. Refer to general requirements.

5800 HVAC
Part 2 - Product
1. Forced Air:
A. Furnace system:
A. Coordinate with materials finish selection schedule (by others).
B. Duct work and insulation:
A. Coordinate with materials finish selection schedule (by others).
C. Air cleaner:
A. Coordinate with materials finish selection schedule (by others).
D. Controls:
A. Coordinate with materials finish selection schedule (by others).
E. Registers with adjustable supply.
F. Coordinate with materials finish selection schedule (by others).
F. Fans: see Division 11 energy requirements.
3. See floor plans for intake house ventilation requirements.
4. Vents:
A. Coordinate with materials finish selection schedule (by others).
5. Exhaust Ducts:
A. Terminate outside building and equip with backdraft dampers per IRC section M5013.3.
B. Cloths Dryers shall be exhausted in accordance with manufactures instructions (IRC M502).
C. Protective shield plates shall be placed per IRC M1603.5.

Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with industry standards. Refer to general requirements.

END DIVISION 5

**Division 6
ELECTRICAL**

6000 GENERAL
1. Electrical systems to be bidder designed.
2. Regulatory requirements: refer to Division 1 - General Requirements.
3. Contractor to provide electrical diagramming layout, design circuitry; follow lighting plan if provided.
4. Smoke Detectors:
A. Provide and install per NEC and as required by governing the manual.
B. Coordinate with other trades.

Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with the industry standards. Refer to general requirements and IRC.

6200 COMMUNICATIONS
Part 2 - Product
1. Intrusion alarm and security detection systems:
A. Coordinate with materials finish selection schedule (by others).
2. Phone system:
A. Coordinate with materials finish selection schedule (by others).
3. Intercommunication systems:
A. Coordinate with materials finish selection schedule (by others).
4. Stereo system:
A. Coordinate with materials finish selection schedule (by others).

6400 POWER
Part 2 - Product
1. Wire and Boxes:
A. Voids: 1/2" (3) Wire
I. GFI # Damp Locations
II. Low voltage: standard type
2. Panels: Circuit breaker box fully labeled
A. Capacity: Bidder Design
B. Circuitry: Bidder Design
3. Grounding:
A. Provide (1) 1/2" schedule 40 PVC conduit at concrete stem wall for electrical service and a 3/8" round galvanized rod (4 Ufer ground for electrical grounding).
4. Smoke Detectors:
A. Provide and install per NEC and as required by governing the manual.
B. Coordinate with other trades.

Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with the industry standards. Refer to general requirements and IRC.

6600 WINDOW TREATMENT
Part 2 - Product
1. Window treatment: A. Coordinate with materials finish selection schedule (by others).

END DIVISION 6

**Division 7
CONCRETE**

7000 LIGHTING
Part 2 - Product
1. Fixtures:
A. Coordinate with materials finish selection schedule (by others).
Note: A minimum of 30% of all luminaires shall be high efficiency per WSEC R404.1.
2. Controls: A. Outlets: Coordinate with materials finish selection schedule (by others).
3. Dimmers: 1. Coordinate with materials finish selection schedule (by others).
4. Boxes: 1. Coordinate with materials finish selection schedule (by others).
5. Other: 1. Coordinate with materials finish selection schedule (by others).

Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with the industry standards. Refer to general requirements.

**Division 8
ENERGY REQUIREMENTS**

8000 GENERAL
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with the industry standards. Refer to general requirements.

**Division 9
FINISHES**

9000 GENERAL
1. Material selection to be bidder design.
2. Regulatory requirements.
3. Material and workmanship in accordance with General Requirements.
4. Heating and cooling equipment shall be sized based on building loads calculated in accordance with ACCA manual 1 or other approved heating and cooling calculation methodologies. Per M5403.
5. Contractor work out plumbing and HVAC diagram layout.
6. Coordinate with other trades.

9400 PLUMBING
Part 2 - Product
1. Pipes and Fittings:
A. Waste & vent: 1/2" ABS plastic of size req'd for the intended purpose.
B. Provide cast iron with compression neoprene joints per locations shown on the drawings.
2. Provide clean-outs at bends.
3. Vents: ABS
C. Gas: Per code, verify location of appliances.
D. Flushing fixtures: 1. General Requirements.
E. Provide clean-out for the gas meter. The valve shall be located outside of the structure and be accessible.

Part 3 - Execution
1. Provide an approved earthquake shut-off valve installed in the building supply line immediately after the gas meter. The valve shall be located outside of the structure and be accessible.
2. Below Grade: 1/4" type K with hard solder
3. Above Grade: Type L with soft solder
4. Hot water heater: (Dual in tandem)
A. Size per UPC 501 and Table 501.1 and jurisdictional amendments.
B. Coordinate with owner's material selection (by others).
C. Main shut-off valve in garage.
D. Flushing fixtures: 1. Coordinate with owner's material selection (by others).
E. Provide "T" connection in main line in garage by main shut-off valve with separate shut-off and drain valve.

9400 PLUMBING (cont.)
4. Automatic Sprinkler System: (bidder design)
Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with industry standards. Refer to general requirements.

9800 HVAC
Part 2 - Product
1. Forced Air:
A. Furnace system:
A. Coordinate with materials finish selection schedule (by others).
B. Duct work and insulation:
A. Coordinate with materials finish selection schedule (by others).
C. Air cleaner:
A. Coordinate with materials finish selection schedule (by others).
D. Controls:
A. Coordinate with materials finish selection schedule (by others).
E. Registers with adjustable supply.
F. Coordinate with materials finish selection schedule (by others).
F. Fans: see Division 11 energy requirements.
3. See floor plans for intake house ventilation requirements.
4. Vents:
A. Coordinate with materials finish selection schedule (by others).
5. Exhaust Ducts:
A. Terminate outside building and equip with backdraft dampers per IRC section M5013.3.
B. Cloths Dryers shall be exhausted in accordance with manufactures instructions (IRC M502).
C. Protective shield plates shall be placed per IRC M1603.5.

Part 3 - Execution
1. The installer to design the system to appropriate jurisdictional requirements and function in a manner consistent with industry standards. Refer to general requirements.

END DIVISION 9

**Division 10
SPECIALTIES**

1000 DOORS AND VENTS
Part 2 - Products
1. Hardware cloth screen 1/4" x 1/4" on soffit vents as detailed.
2. Continue 2" perforated metal soffit vent, as detailed.
3. Roof vent: (see Division 07100)
4. Other vents as noted per plans.

10300 PREFABRICATED FINISHES
Part 2 - Products
1. Location/Node/Accessor:
A. Coordinate with materials finish selection schedule (by others).
Part 3 - Execution
1. See division 090012 for misc. assembly requirements for fireplaces.

10400 IDENTIFYING DEVICES
Part 2 - Products
1. Building numbers:
A. Coordinate with materials finish selection schedule (by others).
Part 3 - Execution
1. Install in location per jurisdictional requirements.

10600 TOILET AND BATH ACCESSORIES
Part 2 - Product
1. Toilet and bath accessories:
A. Coordinate with materials finish selection schedule (by others).
Part 3 - Execution
1. Toilet and bath accessories:
A. Coordinate with materials finish selection schedule (by others).
2. Dryer Ducts:
A. Coordinate with materials finish selection schedule (by others).
3. Protective shield plates shall be placed per IRC M1603.5.

10900 WARDROBE AND CLOSET SPECIALTIES
Part 2 - Products
1. Vacuum cleaning system:
A. Coordinate with materials finish selection schedule (by others).
2. Clothes closets:
A. Coordinate with materials finish selection schedule (by others).
3. Pantry:
A. Coordinate with other trades.

END DIVISION 10

**Division 11
EQUIPMENT**

1100 MAINTENANCE EQUIPMENT
Part 2 - Products
1. Vacuum cleaning system:
A. Coordinate with materials finish selection schedule (by others).

1150 RESIDENTIAL EQUIPMENT
Part 2 - Products
1. Garage door opener(s):
A. Coordinate with materials finish selection schedule (by others).
2. Ironing board cabinet (or drawer):
A. Coordinate with materials finish selection schedule (by others).
3. Free-standing appliances:
A. Coordinate with materials finish selection schedule (by others).
B. Coordinate with other trades.

END DIVISION 11

**Division 12
FURNISHINGS**

1200 WINDOW TREATMENT
Part 2 - Product
1. Window treatment: A. Coordinate with materials finish selection schedule (by others).

END DIVISION 12

**Division 13
CONVENTING SYSTEMS**

1300 POOLS
Part 2 - Products 1. Bidder design

1316 HOT TUBS
Part 2 - Products
1. By:
A. Coordinate with materials finish selection schedule (by others).

END DIVISION 13

**Division 14
CONVENTING SYSTEMS**

1400 DISHWASHER
Part 2 - Products
1. Dishwasher: A. Manufacturer/model number:
I. Coordinate with materials finish selection schedule (by others).

END DIVISION 14

**Division 1
THERMAL AND MOISTURE PROTECTION**

0100 WATER PROOFING & DAMP PROOFING
Part 2 - Product
1. For IRC section R406.
Part 3 - Execution
1. For IRC section R606.2

0130 VAPOR AND AIR RETARDER
Part 2 - Product
1. Ground covers: 6 mil polyethylene, block with 2" minimum lip.
2. Building wrap: see the TYPICAL BUILDING MATERIALS' list on the drawings.
Part 3 - Execution
1. See Division 11, Energy Requirements.

0150 INSULATION
Part 2 - Product
1. Fiberglass or mineral wool batts, bloom mineral wool, and extruded polystyrene
Markers shall face the attic access per IRC Sec. R303.11.
2. Ceiling: 1. See the TYPICAL BUILDING MATERIALS' list on the dig's.
3. Insulating foam: 1. See the TYPICAL BUILDING MATERIALS' list on the dig's.
4. Sub on Grade: R-10 (per WSEC Table R402.11).
5. Ceiling: 1. A. Standard insulation foam.
Part 3 - Execution
1. See division 11, energy requirements
2. Provide insulation markers for blown-in or sprayed insulation every 300 sq. ft.
3. Coordinate with materials finish selection schedule (by others).

0160 WOOD FLOORING
Part 2 - Product
1. Type:
A. Coordinate with materials finish selection schedule (by others).

01650 RESILIENT FLOORING
Part 2 - Products 1. Type:
A. Coordinate with materials finish selection schedule (by others).

01660 CARPETING
Part 2 - Products 1. Carpet and Pad:
A. Coordinate with materials finish selection schedule (by others).

01900 PAINTING
Part 2 - Products
1. Install per manufacturer's recommendation and Chapter 9 of the IRC.
A. Coordinate with materials finish selection schedule (by others).

01950 WALL COVERINGS
Part 2 - Product
1. Type:
A. Coordinate with materials finish selection schedule (by others).

END DIVISION 9

**Division 10
SPECIALTIES**

1000 DOORS AND VENTS
Part 2 - Products
1. Hardware cloth screen 1/4" x 1/4" on soffit vents as detailed.
2. Continue 2" perforated metal soffit vent, as detailed.
3. Roof vent: (see Division 07100)
4. Other vents as noted per plans.

10300 PREFABRICATED FINISHES
Part 2 - Products
1. Location/Node/Accessor:
A. Coordinate with materials finish selection schedule (by others).
Part 3 - Execution
1. See division 090012 for misc. assembly requirements for fireplaces.

10400 IDENTIFYING DEVICES
Part 2 - Products
1. Building numbers:
A. Coordinate with materials finish selection schedule (by others).
Part 3 - Execution
1. Install in location per jurisdictional requirements.

10600 TOILET AND BATH ACCESSORIES
Part 2 - Product
1. Toilet and bath accessories:
A. Coordinate with materials finish selection schedule (by others).
Part 3 - Execution
1. Toilet and bath accessories:
A. Coordinate with materials finish selection schedule (by others).
2. Dryer Ducts:
A. Coordinate with materials finish selection schedule (by others).
3. Protective shield plates shall be placed per IRC M1603.5.

10900 WARDROBE AND CLOSET SPECIALTIES
Part 2 - Products
1. Vacuum cleaning system:
A. Coordinate with materials finish selection schedule (by others).
2. Clothes closets:
A. Coordinate with materials finish selection schedule (by others).
3. Pantry:
A. Coordinate with other trades.

END DIVISION 10

**Division 11
EQUIPMENT**

1100 MAINTENANCE EQUIPMENT
Part 2 - Products
1. Vacuum cleaning system:
A. Coordinate with materials finish selection schedule (by others).

1150 RESIDENTIAL EQUIPMENT
Part 2 - Products
1. Garage door opener(s):
A. Coordinate with materials finish selection schedule (by others).
2. Ironing board cabinet (or drawer):
A. Coordinate with materials finish selection schedule (by others).
3. Free-standing appliances:
A. Coordinate with materials finish selection schedule (by others).
B. Coordinate with other trades.

END DIVISION 11

**Division 12
FURNISHINGS**

1200 WINDOW TREATMENT
Part 2 - Product
1. Window treatment: A. Coordinate with materials finish selection schedule (by others).

END DIVISION 12

**Division 4
MASONRY**

0400 MORTAR
Part 2 - Product
1. Type M or S mortar with integral waterproofing agent per IRC section R606.2.1
Part 3 - Execution
1. For IRC section R606.2

0450 MASONRY ACCESSORIES
Part 2 - Product
1. Anchors and Ties: To be corrosion-resistant metal ties per IRC section R703.8.4.
2. Joint reinforcement: Standard strand no. 5 U.S. gauge wire per IRC section R703.8.4.
Part 3 - Execution
1. For IRC Chapter 7.

04500 UNIT MASONRY
Part 2 - Product
1. Brick masonry:
A. Exterior locations: name/fg:
I. Coordinate with materials finish selection schedule (by others).
B. Interior locations: name/fg:
I. Coordinate with materials finish selection schedule (by others).
C. Pavers/plinters: name/fg:
I. Coordinate with materials finish selection schedule (by others).
2. Concrete masonry units: grade N-1 CMU, unless otherwise indicated sizes per drawings.
A. Special units:
I. Coordinate with materials finish selection schedule (by others).
B. Glass masonry units: (glass block) Per IRC section R607.
A. Exterior locations: name/fg:
I. Coordinate with materials finish selection schedule (by others).
B. Interior locations: name/fg:
I. Coordinate with materials finish selection schedule (by others).

Part 3 Execution
1. Brick and veneer:
A. Exterior surfaces shall be supported on footings, foundation, or other non-combustible supports. It shall have 1/2" felt backing and No. 9 gauge, non corrosive ties at 1 per each 2 ft. of veneer. Provide 1" minimum air space between veneer and backing. Provide approved flashing at base of veneer with 3/4" min. round weepholes at 33" o.c. max, located immediately above the flashing extending from the air space to the exterior. Veneer shall support no load other than its own weight and the vertical dead load of veneer above. Provide angle iron support at doors, windows, and other openings per R606.40.
2. Concrete masonry unit (CMU)
A. Concrete masonry unit walls shall be constructed to conform to ASTM C90. It shall be laid up, reinforced, and anchored as shown on drawings.

04400 STONE
Part 2 - Product
1. As shown on drawings.
A. Exterior locations: name/fg:
I. Coordinate with materials finish selection schedule (by others).
B. Interior locations: name/fg:
I. Coordinate with materials finish selection schedule (by others).

Part 3 Execution
1. Stone Veneer: Adhered per manufacturer's installation instructions and in accordance with IRC R703.12
A. On exterior stud walls, adhered masonry veneer shall be installed:
I. Minimum of 4 inches above the eave.
II. Minimum of 2 inches above paved areas.
III. Minimum of 12 inch above exterior walking surfaces which are supported by the same foundation that supports the exterior wall.
B. Flashing at foundation:
I. A corrosion-resistant, screened or flashing of a minimum Ø9/16-inch or 26-gauge galvanized or plastic with a minimum vertical attachment flange of 3/4 inches shall be installed.

END DIVISION 4

**Division 5
METALS**

0500 METAL FASTENINGS
Part 2 - Product
1. Bolts: Use sizes and shapes per dig's, or as needed for intended purposes. Bolts, nuts and cut washers in contact with treated wood to be triple zinc 214X (G85 per ASTM B633) hot dipped galvanized steel (ASTM B3 for Anchors).
2. Other: As noted on drawings.

05100 METAL FABRICATION
Part 2 - Product
1. Handrails and guards/rails: Provide in sizes and locations as shown per dig's.

END DIVISION 5

**Division 6
WOOD AND PLASTICS**

0600 ROUGH CARPENTRY
Part 2 - Product
1. Framing Lumber: Framing lumber shall be marked in conformance with the United States Dept. of Commerce, Standard Reference No. PS 20 (DOCS PS 20) standards. All K1n dried minimum 19%.
2. Joist and rafters: 7/8" and larger: Hem-Fir #2 or better.
3. Beams and stringers: (4x and larger) Doug-Fir #2 or better.
C. Post and timbers: Doug-Fir #2
D. Studs, plates, and misc. framing: Hem-Fir #2 or better.
E. 1" x 1", Joists and Engineered beams: Per manufacturer.
F. Gable laminated timber:
I. Single span: 2x4, V4 DFN5JN
2. Continuous or cantilever: 2x4, V8 DFDF
G. All other lumber: Hem-Fir Standard or better.
4. Fasteners and adhesives: All nails shall be common size or sizes for intended purpose per meet the requirements of the drawings and industry standards.
I. Wall sheathing: see TYPICAL BUILDING MATERIALS' list on the dig's.
J. Floor sheathing: see TYPICAL BUILDING MATERIALS' list on the dig's.
K. Other: As noted on drawings.
L. All wood members in contact with exposed concrete to be pressure treated members.
2. Particle Board: APA graded
A. Underlayment.

06100 ROUGH CARPENTRY
Part 2 - Product
1. Framing Lumber: Framing lumber shall be marked in conformance with the United States Dept. of Commerce, Standard Reference No. PS 20 (DOCS PS 20) standards. All K1n dried minimum 19%.
2. Joist and rafters: 7/8" and larger: Hem-Fir #2 or better.
3. Beams and stringers: (4x and larger) Doug-Fir #2 or better.
C. Post and timbers: Doug-Fir #2
D. Studs, plates, and misc. framing: Hem-Fir #2 or better.
E. 1" x 1", Joists and Engineered beams: Per manufacturer.
F. Gable laminated timber:
I. Single span: 2x4, V4 DFN5JN
2. Continuous or cantilever: 2x4, V8 DFDF
G. All other lumber: Hem-Fir Standard or better.
4. Fasteners and adhesives: All nails shall be common size or sizes for intended purpose per meet the requirements of the drawings and industry standards.
I. Wall sheathing: see TYPICAL BUILDING MATERIALS' list on the dig's.
J. Floor sheathing: see TYPICAL BUILDING MATERIALS' list on the dig's.
K. Other: As noted on drawings.
L. All wood members in contact with exposed concrete to be pressure treated members.
2. Particle Board: APA graded
A. Underlayment.

06200 ROUGH CARPENTRY
Part 2 - Product
1. Framing Lumber: Framing lumber shall be marked in conformance with the United States Dept. of Commerce, Standard Reference No. PS 20 (DOCS PS 20) standards. All K1n dried minimum 19%.
2. Joist and rafters: 7/8" and larger: Hem-Fir #2 or better.
3. Beams and stringers: (4x and larger) Doug-Fir #2 or better.
C. Post and timbers: Doug-Fir #2
D. Studs, plates, and misc. framing: Hem-Fir #2 or better.
E. 1" x 1", Joists and Engineered beams: Per manufacturer.
F. Gable laminated timber:
I. Single span: 2x4, V4 DFN5JN
2. Continuous or cantilever: 2x4, V8 DFDF
G. All other lumber: Hem-Fir Standard or better.
4. Fasteners and adhesives: All nails shall be common size or sizes for intended purpose per meet the requirements of the drawings and industry standards.
I. Wall sheathing: see TYPICAL BUILDING MATERIALS' list on the dig's.
J. Floor sheathing: see TYPICAL BUILDING MATERIALS' list on the dig's.
K. Other: As noted on drawings.
L. All wood members in contact with exposed concrete to be pressure treated members.
2. Particle Board: APA graded
A. Underlayment.

06300 SPECIALTY DOORS
Part 2 - Product
1. Sliding glass door:
A. Coordinate with materials finish selection schedule (by others).
2. Garage door: (make/model): (see division 1400).
A. Coordinate with materials finish selection schedule (by others).

06600 WOOD/VINYL WINDOWS
Part 2 - Product
1. Note Egress:
A. Every sleeping room shall have at least one operable window with a net clear opening of 5.7 ft². The net clear opening height shall be a minimum of 24", with a minimum net clear width of 20" and a finished sill height of not more than 44" above the floor, per IRC section R308.
B. Safety glass per IRC section R308.
C. See plans for egress and operation.
2. Manufactured by:
A. Color: 1. Coordinate with materials finish selection schedule (by others).
B. Style: 1. Coordinate with materials finish selection schedule (by others).

06100 HARDWARE
Part 2 - Product
1. Type: A. Coordinate with materials finish selection schedule (by others).
2. Weather stripping: A. Coordinate with materials finish selection schedule (by others).
3. Thresholds: A. Coordinate with materials finish selection schedule (by others).

06200 GLAZING
Part 2 - Product
1. Glass thickness to be determined by size and wind loading per IRC section R308.
2. Safety glass per IRC section R308.
3. Mirrors to be silvered 1/4" float plate glass.

END DIVISION 6

0200 MISCELLANEOUS ASSEMBLY REQUIREMENTS CONT.

D. Prefabricated Fireplaces and Solid Fuel Burning Appliances per IMC and IRC, Chapter 101.
A) Solid fuel burning appliances include 1/2" tight stoves, fireplace stoves, room heaters/replace stoves, factory built fireplaces, and fireplace inserts, and all shall comply with the provisions of IMC.
B) Metal Chimney shall be enclosed above the store in which the appliance served is located, in walls having one hour fire resistance rating, and with a space on all sides between chimney and enclosing walls sufficient for examination and repair for entire chimney. Walls shall be without openings per IMC.
C) Provide fireproofing at chimney per IRC section R302.1.
D) Install metal fireplace with hearth and surround per manufacturer's specifications.
E) Prefabricated fireplaces, chimneys, and related components to bear UL or EDO seal of approval and be installed per manufacturer's requirements.
F) Fireproofing per IRC sections R302.1.

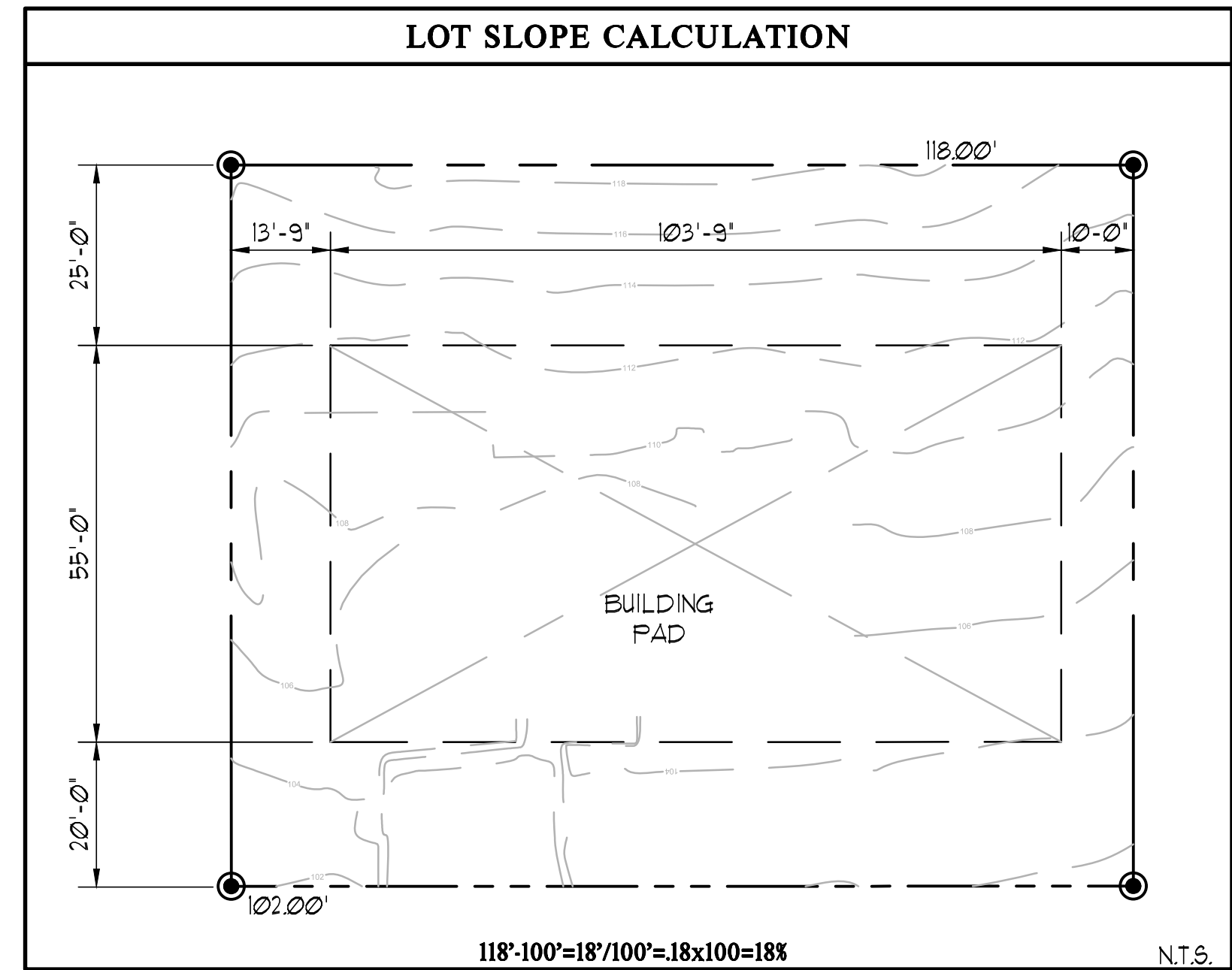
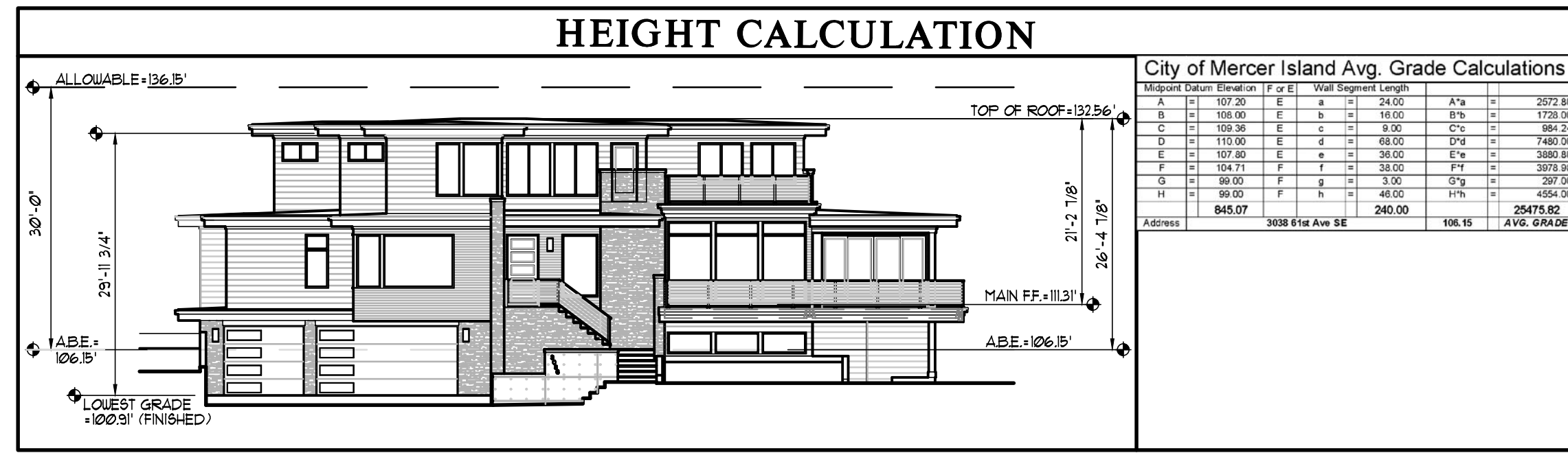
02060 REGULATORY REQUIREMENTS
1. All construction shall conform to the 2018 International Residential Code (IRC).
2. 2018 International Building Code (IBC).
3. 2018 International Fire Code (IFC).
4. 2018 International Mechanical Code (IMC).
5. 2018 Uniform Plumbing Code (UPC).
6. 2018 Washington State Energy Code (WSEC) and be in accordance with all State Law and Regulations and device codes imposed by jurisdictional requirements and local authorities.
7. Arrange inspections that are mandatory due to jurisdictional requirements.

02500 CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS
1. Provide Temporary Facilities - including electricity water, and temporary toilet, per jurisdictional requirements.
2. Provide Temporary Controls - including erosion sediment and surface water control and enclosures during construction per jurisdictional requirements.

END DIVISION 1

**Division 2
SITE WORK**

<



TREE IDENTIFICATION

TAG	TREE/SPECIES	SIZE (DBH)	RETAINED
1	CEDRUS DOBODORA, DRODAR CEDAR	35A	NO
2	PSEUDOTSUGA MENZIESII, DOUGLAS FIR	29"	YES
3	PSEUDOTSUGA MENZIESII, DOUGLAS FIR	35"	YES
4	APPLE SPECIES	9.2"	NO
5	APPLE SPECIES	12.9"	NO
6	PRUNUS, CHERRY	6.4"	NO
7	PRUNUS, PLUM	10.5"	NO
O.S.T.	CEDRUS ATLANTICA, ATLAS CEDAR	est. 30"	YES

TOTAL DBH = 138.4"
 TOTAL RETAINED = 100.4"/46%
 NOTE: DBH DOES NOT INCLUDE OFF SITE TREE

REPLACEMENT TREE IDENT.

TAG	TREE/SPECIES	NATIVE
R.1	JAPANESE MAPLE	
R.2	THUJA PLICATA	YES
R.3	VINE MAPLE	YES
R.4	THUJA PLICATA	YES
R.5	THUJA PLICATA	YES
R.6	THUJA PLICATA	YES
R.7	THUJA PLICATA	YES
R.8	DOGWOOD	
R.9	RED MAPLE	

6/9 NATIVE : 66% NATIVE

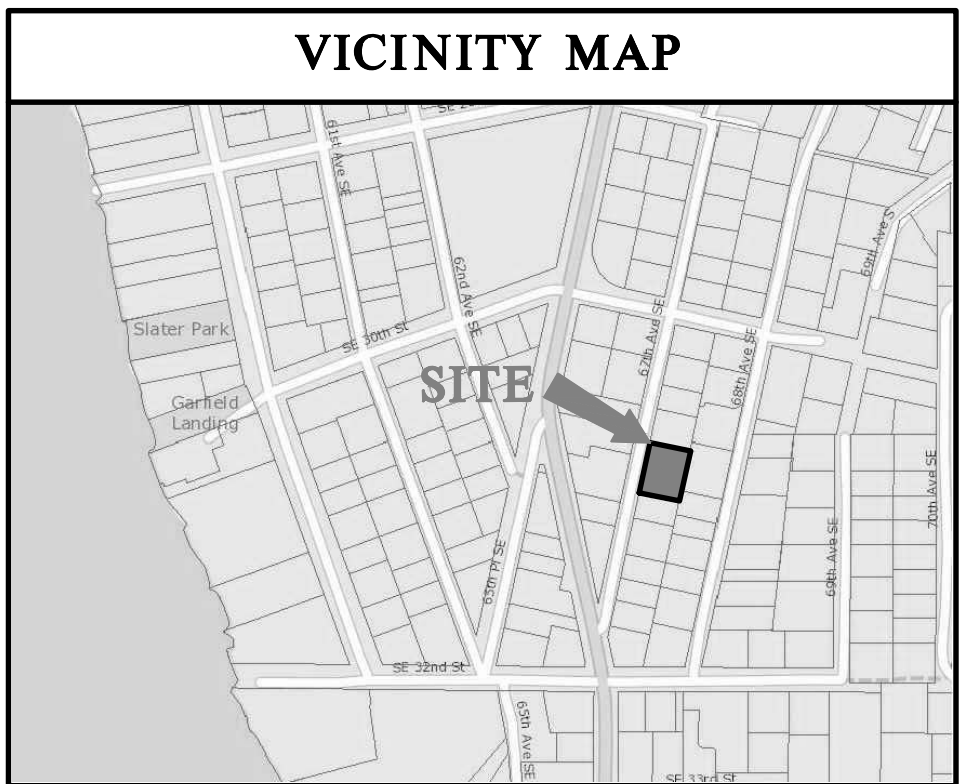
City of Mercer Island GFA Calculations

Wall Length	Percentage	Finish of Existing	Result	
A	24	77.0%	E/F	18.5
B	16	96.0%	F	15.4
C	9	100.0%	E/F	9.0
D	54	100.0%	E	54.0
E	36	26.0%	F	9.4
F	24	59.0%	E/F	14.2
G	3	0.0%	E/F	0.0
H	46	0.0%	F	0.0

Total G.F.A. 4968 / 39.7%

Tree protection fencing (TPF) shall consist of chain link fencing, or other fencing as may be required or approved by the City of Mercer Island, installed at the dripline radius of Tree #2 and Tree #3 and shall be staked into place, as required by the City. Plan Sheet A1.1 details the location of the Tree Protection Fencing.

- Signage shall be installed at intervals of 20' or less along the fence line declaring the fenced area as a "TREE PROTECTION ZONE - NO TOOLS, EQUIPMENT, OR CONSTRUCTION RELATED MATERIALS MAY BE PLACED WITHIN THE TREE PROTECTION ZONE". Signage shall be a minimum of 8.5" by 11.0" and shall be resistant to weather conditions.
- An ISA certified arborist shall verify the location of the fencing. The fencing shall be installed prior to any site clearing or grading and shall remain in place until the construction phase is completed.
- An ISA certified arborist shall be on-site for any excavation in the backyard area or anywhere near these protected trees.
- Any roots that are encountered and in need of removal shall be assessed by the Project Arborist. Severing of encountered roots shall be undertaken as detailed in ANSI Standard A300 (Part 8) 2013, Root Management.
- Any roots that are encountered and severed shall be covered with moist compost or mulch material as soon as is reasonable following the root exposure and severance.
- Protected trees shall be re-assessed after completion of the construction activity.
- The Ivy in Tree #2 and #3 should be removed, as much as possible.



SITE INFO

STREET ADDRESSES:
3036 67th AVE SE

PARCEL #:
2174501025

LEGAL DESCRIPTION:
EAST SEATTLE ADD LOTS 15 THRU 18 TGV SLY 5 FT OF LOT 19

PLAT BLOCK: 6
PLAT LOT: 15 THRU 19

ZONING

ZONING: R-84
SINGLE FAMILY RESIDENTIAL SETBACKS

FRONT YARD - 20'-0"
REAR YARD - 25'
TOTAL SIDE YARD(S) - 17% OF 120'-0" = 20.4' COMBINED
INTERIOR SIDE YARD - 33% OF 20.4' = 6.73' MIN.

HEIGHT LIMIT
30' ABOVE AVERAGE BUILDING ELEVATION
35' DOWNHILL HIGHEST PLATE FROM EXISTING GRADE

LOT COVERAGE
33% MAX OF GROSS LOT AREA
G.F.A.
40% MAX. OF NET LOT AREA

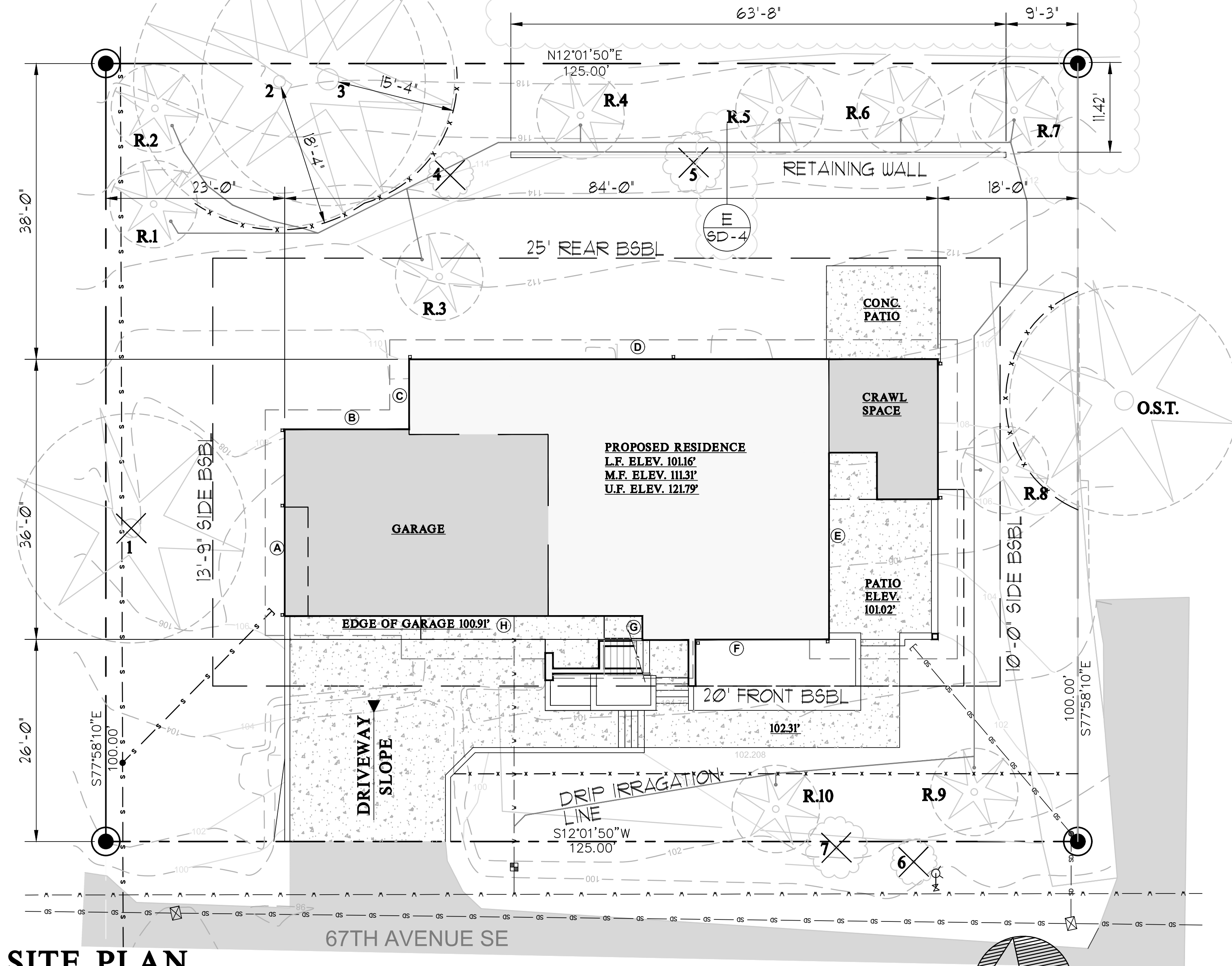
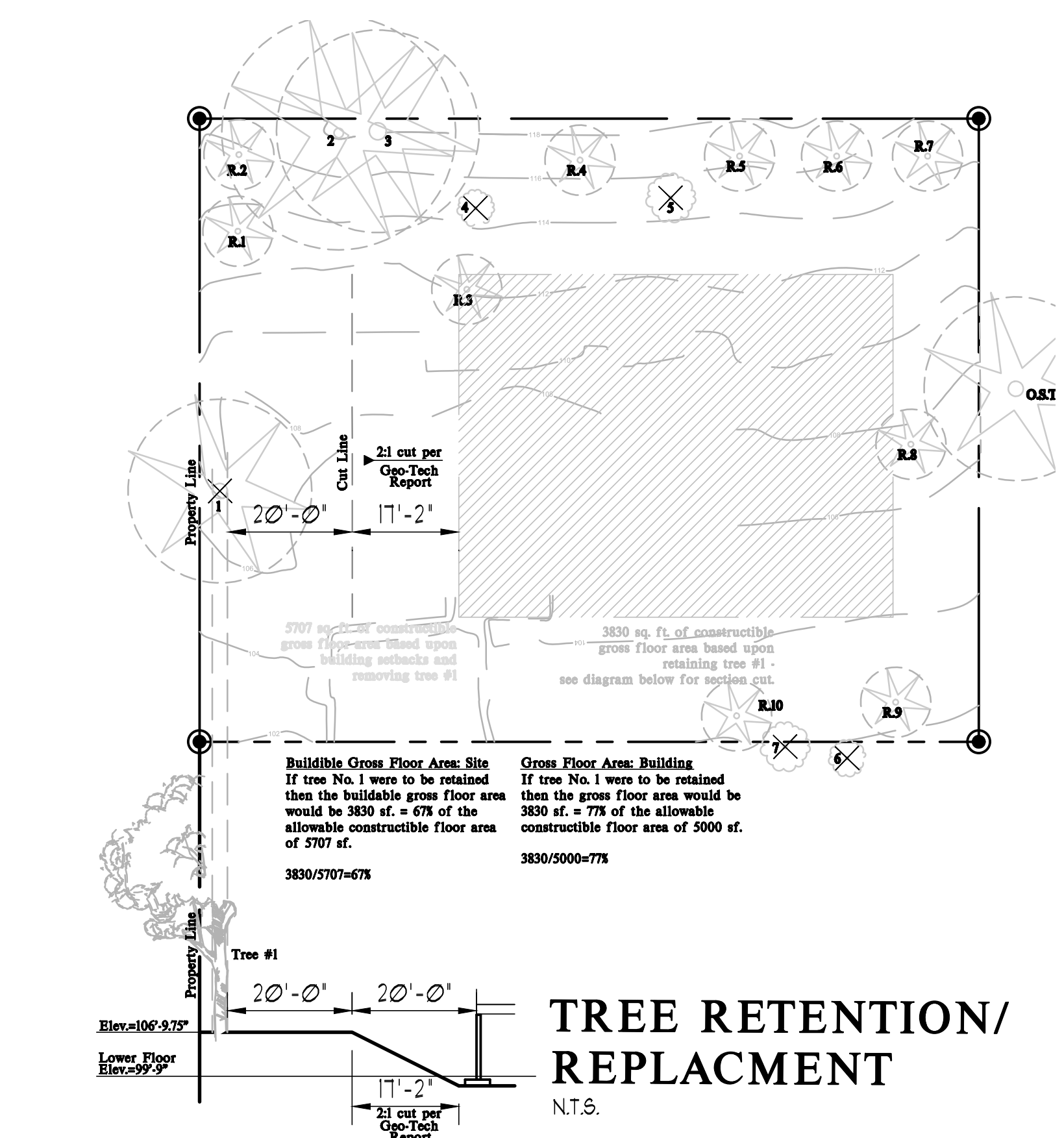
SITE CALCULATIONS

LOT AREA	GROSS LOT AREA
12,500 SF	
x 40%	
5,000 SF	ALLOWABLE G.F.A.

G.F.A. CALCULATION	GROSS LOT AREA
12,500 SF	
x 40%	
5,000 SF	ALLOWABLE G.F.A.

LOT COVERAGE CALCULATION	GROSS LOT AREA
12,500 SF	
x 33%	
4,375 SF	ALLOWABLE LOT COVERAGE

HARDSCAPE SURFACE CALCULATION	GROSS LOT AREA
12,500 SF	
x 0.9%	
1,125 SF	ALLOWABLE HARDSCAPE COVERAGE

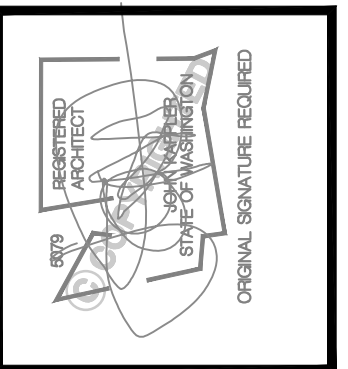


LEGEND

- v --- v --- DESIGNATES WATER
- s --- s --- DESIGNATES SEWER
- SD --- SD --- DESIGNATES STORM
- --- --- DESIGNATES EXISTING GRADE
- --- --- DESIGNATES FINISHED GRADE
- x --- x --- DESIGNATES TREE DRIPLINE
- --- --- DESIGNATES TREE FENCING
- --- --- DESIGNATES EXISTING WOOD FENCE
- --- --- EXISTING FENCE TO BE REMOVED

DEMO EXISTING STRUCTURES AND HARDSCAPE

SEE ADDITIONAL STORM & UTILITY PLAN



Date	By	Description
8/26/22	REV	UPDATED SITE PLAN
8/26/22	REV	JURISDICTIONAL COMMENTS
8/26/22	REV	JURISDICTIONAL COMMENTS
8/26/22	REV	JURISDICTIONAL COMMENTS
8/26/22	REV	JURISDICTIONAL COMMENTS
8/26/22	REV	JURISDICTIONAL COMMENTS

Buchanan Home Innovations, P.S.
Westview Plan
Mercer Island, WA
3036 67th Ave SE
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ARCHITECTURAL INNOVATIONS, P.S.
Forward Thinking Design Solutions For Your Environment
14311 SE 14th St.
Bellevue, WA 98007
1-800-888-4517
www.kaplanhomeplans.com

TITLE
JOB NO.: 21076.03
STARTING NO.: START

SHEET
A1.1

3036 67TH AVE SE MERCER ISLAND SITE PLAN

LEGAL DESCRIPTION

LOTS 15, 16, 17, 18 AND THE SOUTHERLY 5 FEET OF LOT 19, BLOCK 6, EAST SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 3 OF PLATS, PAGES 22 AND 23, RECORDS OF KING COUNTY, WASHINGTON; EXCEPT THAT PORTION THEREOF LYING WITHIN MERCER ISLAND ROAD (67TH AVENUE SE)

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARING

RECORD OF SURVEY BY TERRANE FOR JAYMARC HOMES, RECORDED ON JULY 26, 2021, IN VOLUME 451 OF SURVEYS, PAGE 259, UNDER RECORDING NO. 20210726900027, RECORDS OF KING COUNTY, WASHINGTON.

VERTICAL DATUM & CONTROL INTERVAL

ELEVATIONS SHOWN ON THIS DRAWING WERE DERIVED FROM INFORMATION PROVIDED BY THE CITY OF MERCER ISLAND.

THE MARK IS A MONUMENT IN CASE AT THE INTERSECTION OF 68TH AVENUE SE W AND SE 32ND STREET.

POINT ID NO. 47746;
ELEVATION: 112.571 FEET - NAVD 88

2.0' CONTOUR INTERVAL - THE EXPECTED VERTICAL ACCURACY IS EQUAL TO 1/2 THE CONTOUR INTERVAL OR PLUS / MINUS 1.0' FOR THIS PROJECT.

SURVEY NOTES

- THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF A CURRENT TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST ON THIS PROPERTY THAT ARE NOT SHOWN HEREON.
- INSTRUMENTATION FOR THIS SURVEY WAS A 3-SECOND SPECTRAPRECISION FOCUS 35 TOTAL STATION. PROCEDURES USED IN THIS SURVEY MEET OR EXCEED STANDARDS SET BY WAC 332-130-090.
- THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE IN AUGUST 2021 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND OBSERVATIONS AND AS-BUILT PLANS WHERE AVAILABLE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MAY VARY AND UTILITIES NOT SHOWN ON THIS SURVEY MAY EXIST ON THIS SITE.
- ALL MONUMENTS WERE LOCATED DURING THIS SURVEY UNLESS OTHERWISE NOTED.

SITE DATA

HIGHEST ELEVATION OF LOT: 118.25
 LOWEST ELEVATION OF LOT: 98.66
 LOT SLOPE: 19.3%
 TOTAL SITE AREA: 12,500 SF
 ALLOWED LOT COVERAGE: 40%
 PROPOSED LOT COVERAGE * 3,899 SF (31.2%)
 PROPOSED HARDSCAPE 581 SF (4.6%)
 PROJECT IMPERVIOUS AREA: 4,480 SF (35.8%)
 * LOT COVERAGE INCLUDES THE COMBINATION OF BUILDINGS, INCLUDING EAVES AND ROOF OVERHANGS, AND VEHICULAR DRIVING SURFACES AS DEFINED PER MMC 19.16.010

OWNER / ARCHITECT

WILLIAM E. BUCHAN INC.
2630 116 AVE NE #100
BELLEVUE, WA 98004
(425) 831-5503
CONTACT: DAVID STAVE

ENGINEER

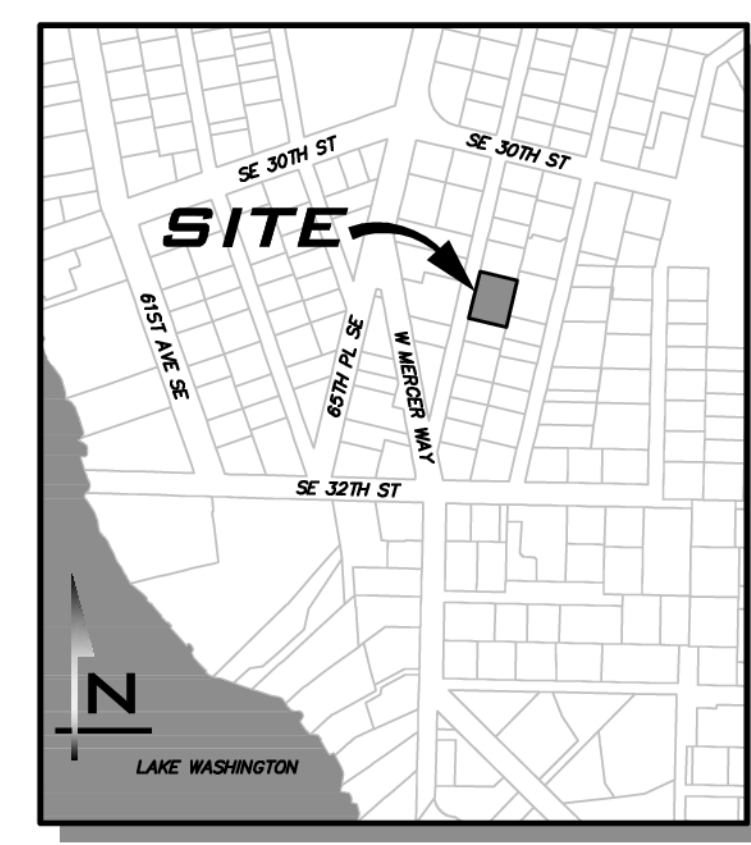
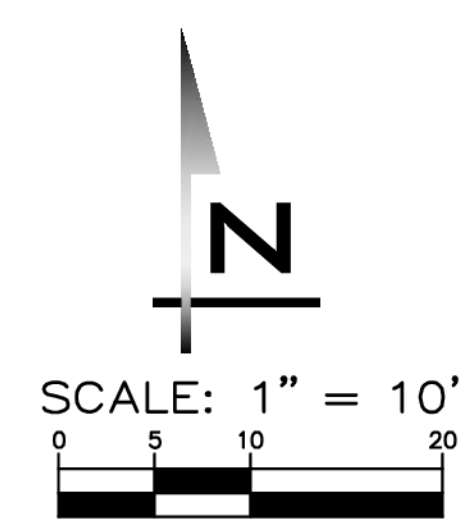
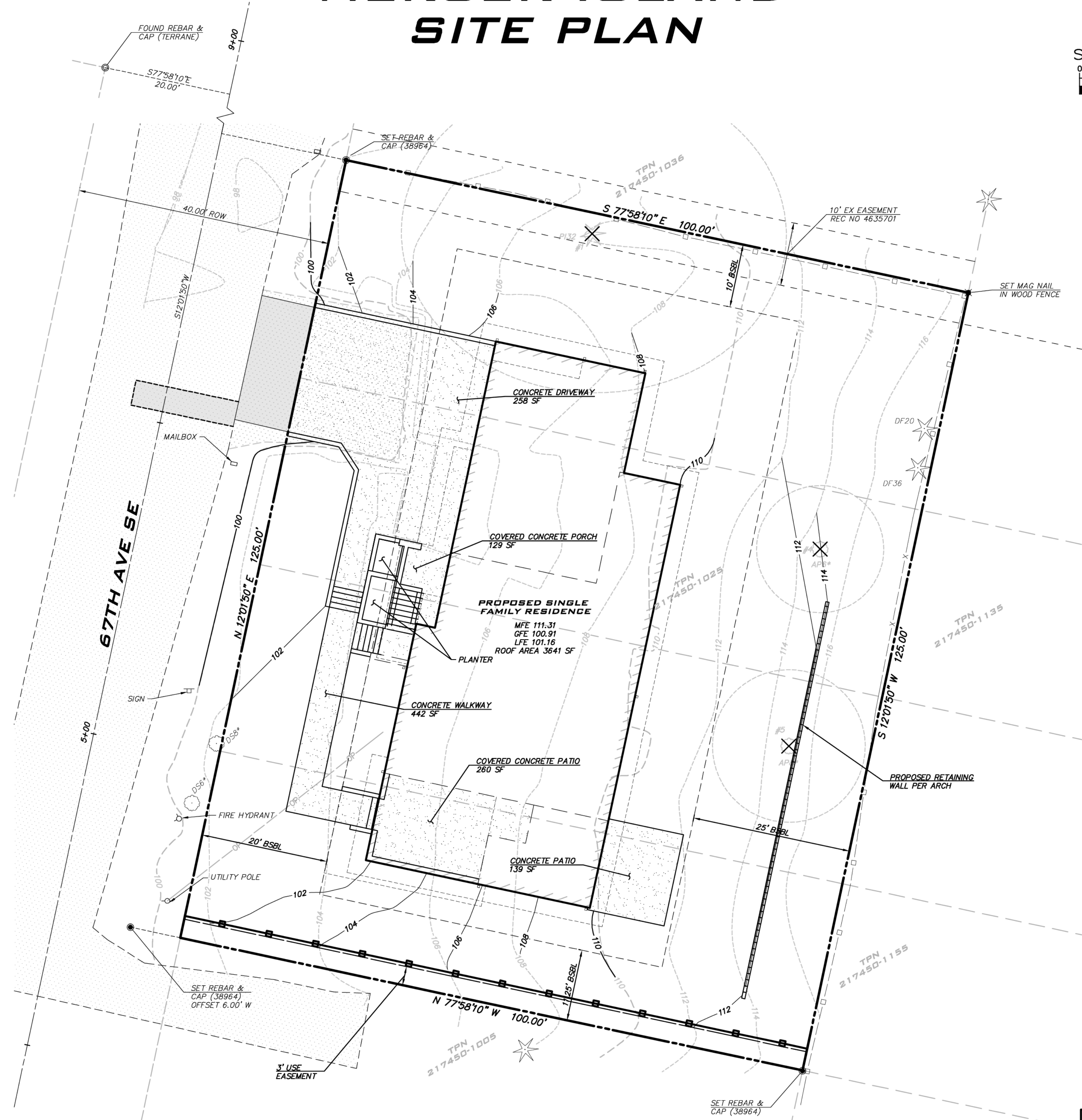
THE BLUELINE GROUP
25 CENTRAL WAY, SUITE 400
KIRKLAND, WA 98033
(425) 250-7262
CONTACT: YANNICK METS, PE

GEOTECH ENGINEER

TERRA ASSOCIATES, INC
12220 113TH AVE NE, SUITE 130
KIRKLAND, WA 98034
(425) 821-7777
CONTACT: CAROLYN S. DECKER, PE

SHEET INDEX

- CV-01 COVER SHEET
- TP-01 TESC PLAN
- TP-02 TESC DETAILS
- TR-01 TREE RETENTION PLAN
- SP-01 SIDE SEWER PROFILE
- TG-01 TEMPORARY GRADING PLAN
- DT-01 DETAILS
- DT-02 DETAILS



LEGEND	
PROPOSED FEATURES	
BOUNDARY	MAILBOX
RIGHT-OF-WAY	ASPHALT PAVEMENT
LOT LINE	CONCRETE
SIDEWALK	
CENTER LINE	
SAWTOOTH	
BUILDING FOOTPRINT	
BUILDING OVERHANG	
BUILDING ROOFLINE	
BUILDING SETBACK (BSBL)	
190' 10' PROPOSED CONTOURS	
192' 2' PROPOSED CONTOURS	
PROPOSED STORM DRAINAGE	
STORM DRAIN PIPE	TYPE I CB - STANDARD GRADE
ROOF & FOOTING DRAIN	TYPE I CB - LOCKING LID
SWALE OR DITCH	STORM CLEANOUT
SURFACE FLOW	YARD DRAIN
EXISTING FEATURES	
ADJACENT PLAT/PARCEL LINE	POWER VAULT
ADJACENT RIGHT-OF-WAY	POWER METER
CENTERLINE	MAIL BOX
EASEMENT	
SURFACE FEATURES	
BUILDING FOOTPRINT	
190' 10' CONTOURS	
192' 2' CONTOURS	
SD STORM DRAIN PIPE	
SS SEWER MAIN	
W WATER MAIN	
AHP AERIAL POWER LINE	
G GAS MAIN	
X WIRE FENCE	
BOARD FENCE	
RETAINING WALL	
ROCKERY	
CATCH BASIN, TYPE I	
CATCH BASIN, TYPE II	
SD PIPE FLOW	
SEWER MANHOLE	
SS PIPE FLOW	
FIRE HYDRANT	
WATER METER	
GATE VALVE	
POWER POLE	
GUY ANCHOR	
STREET LIGHT	
TESC FEATURES	
FILTER FENCE	
CONSTRUCTION FENCE	
CLEARED AREA	
LIMITS OF CLEARING	
PIPE FLOW	
INTERIM CATCH BASIN PROTECTION (INSERT)	

EXISTING UTILITY NOTE
 EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

BUILDING CALCULATIONS
 SEE ARCHITECTURAL SITE PLAN FOR TREE RETENTION, BUILDING HEIGHTS AND FAR CALCULATIONS.



25 CENTRAL WAY, SUITE 400,
KIRKLAND, WA 98033
P: 425.216.4051 F: 425.216.4052
WWW.ATWELL-GROUP.COM

SCALE:
AS NOTED
 PROJECT MANAGER:
YANNICK METS, PE
 PROJECT ENGINEER:
AU RAMEZANI, PE
 DESIGNER:
CHRISTOPHER WSCOMB
 ISSUE DATE:
11/20/2023

NO	DATE	BY	REVISIONS

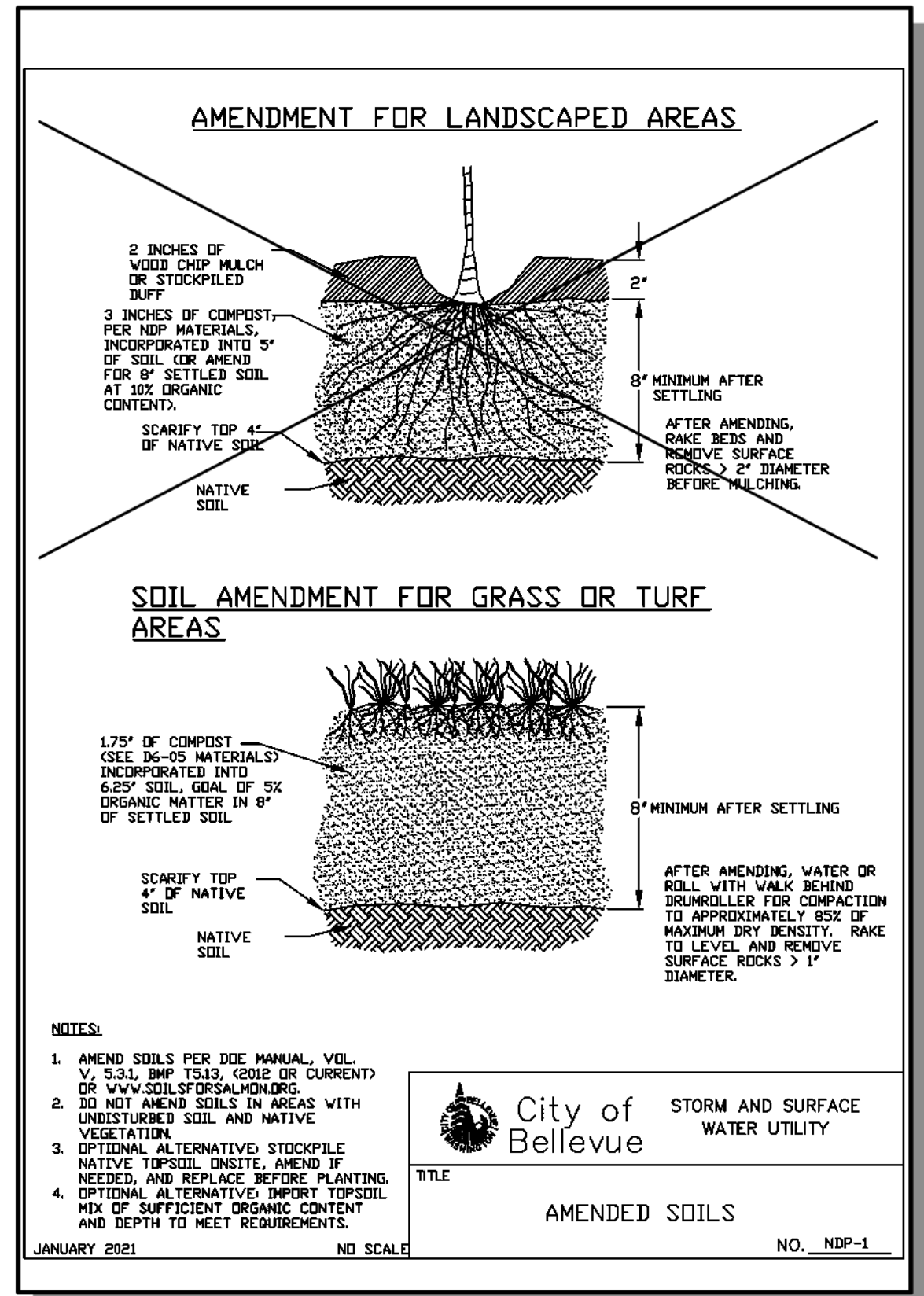
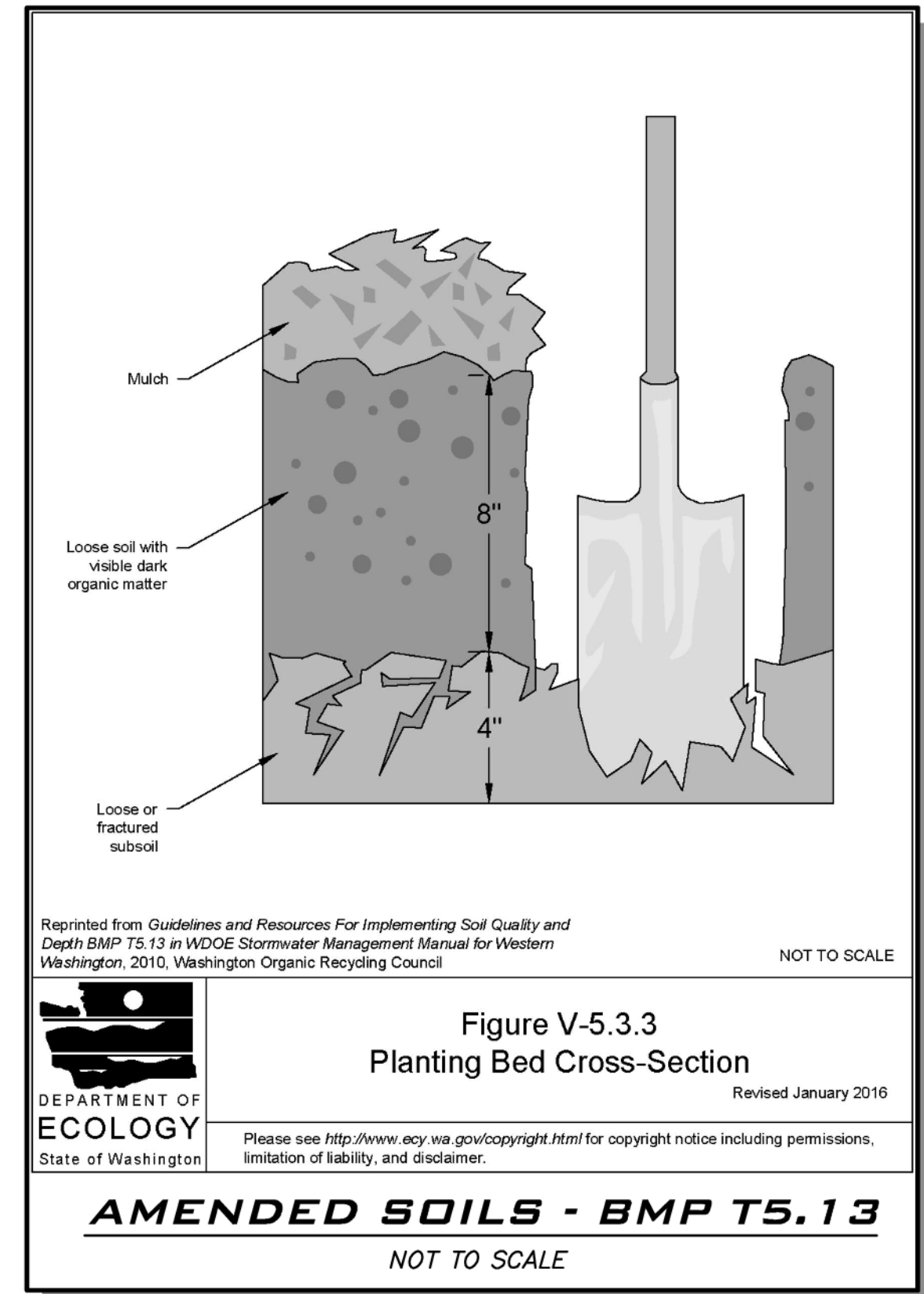
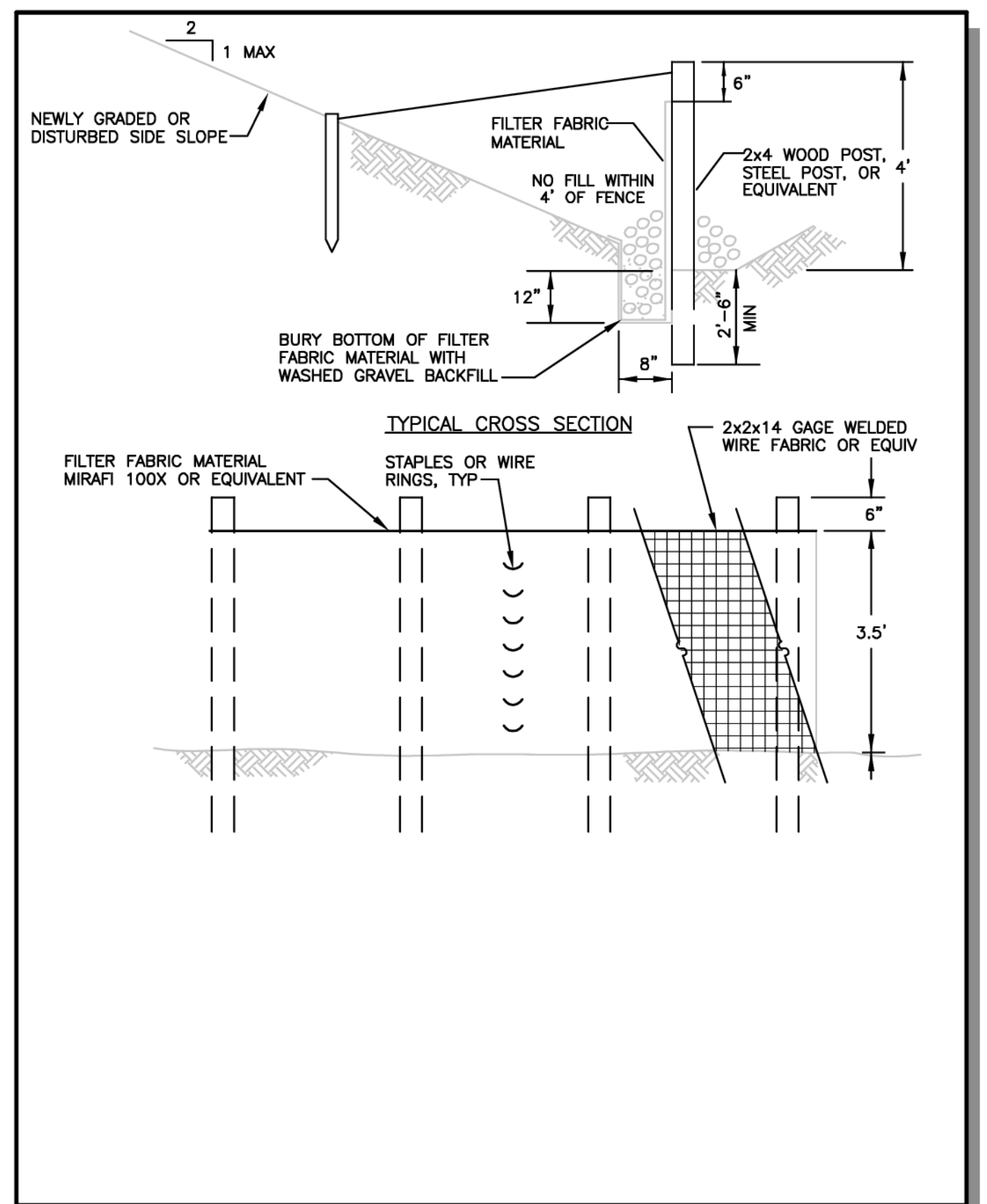
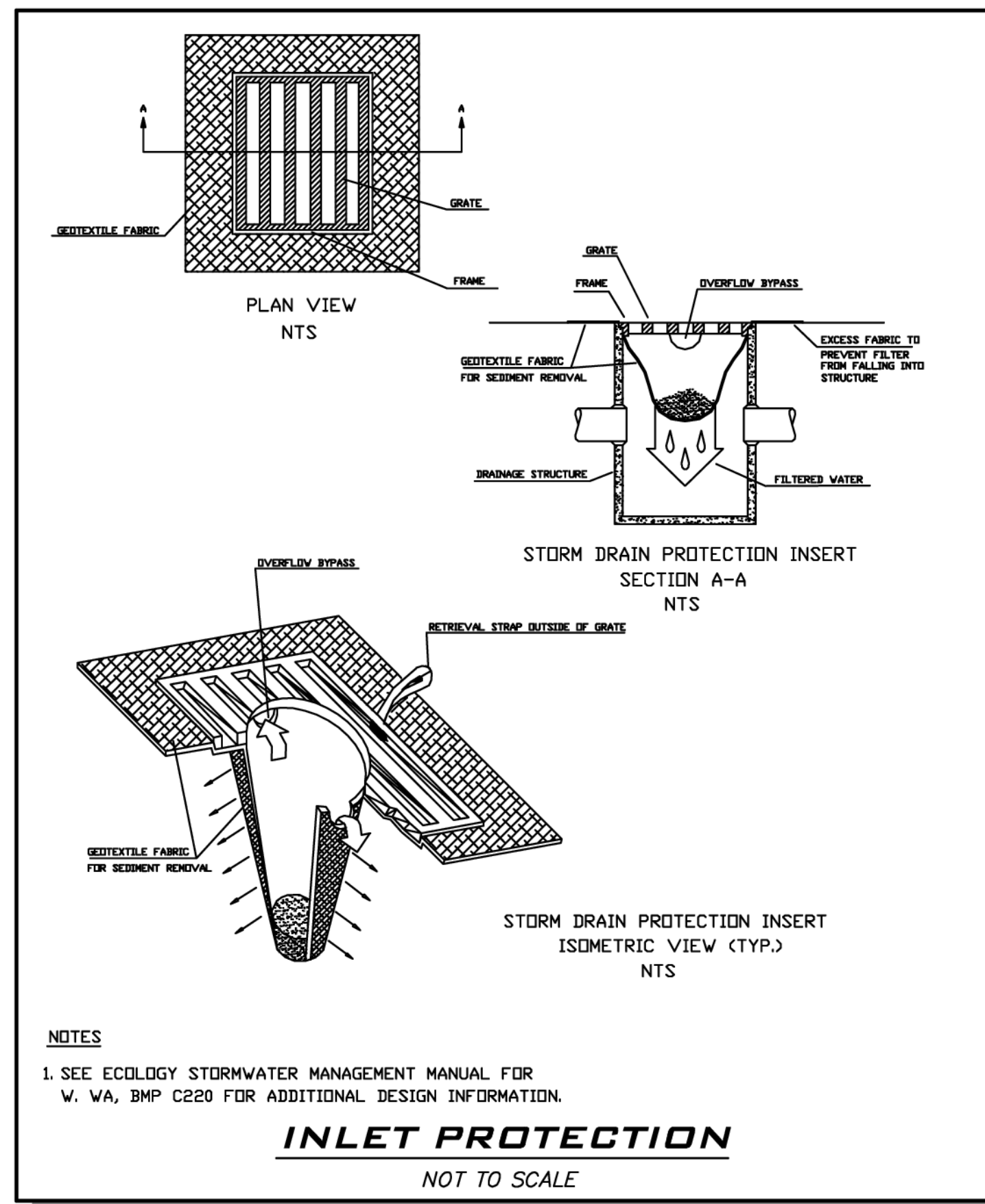
COVER SHEET
3036 67TH AVENUE SE
 SITE PLAN
 PARCEL 2174501025
 CITY OF MERCER ISLAND WASHINGTON



11/20/23
 JOB NUMBER:
22-042
 SHEET NAME:
CV-01
 SHT **1** OF **9**

TESC - PLAN NOTES

- THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS:
 - CONDUCT PRE-CONSTRUCTION MEETING.
 - FLAG OR FENCE CLEARING LIMITS.
 - POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
 - INSTALL CATCH BASIN PROTECTION IF REQUIRED.
 - GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
 - INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
 - CONSTRUCT SEDIMENT PONDS AND TRAPS.
 - GRADE AND STABILIZE CONSTRUCTION ROADS.
 - CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
 - MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF MERCER ISLAND STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
 - RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS.
 - COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT.
 - STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
 - SEED OR SOO ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
 - UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.
- APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT ADDITIONAL TEMPORARY SILTATION PONDING AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- ALL DENUDE SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES:
 - APRIL 1 TO OCTOBER 31 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING.
 - NOVEMBER 1 TO MARCH 31 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.
 - AT NO TIME SHALL MORE THAN 1" OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
- WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2".
- ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM HEIGHT OF 3'.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MERCER ISLAND STANDARDS AND SPECIFICATIONS.
- THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY OF MERCER ISLAND INSPECTOR.
- A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 4' HIGH TEMPORARY CONSTRUCTION FENCE (CYCLONE OR PLASTIC MESH) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL A DWELLING IS CONSTRUCTED AND OWNERSHIP TRANSFERRED TO THE FIRST OWNER/OCCUPANT.
- CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT. HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE. IF APPROVED BY THE CITY, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS.
- OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
- ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "FILTER FABRIC SOCK" OR EQUIVALENT.
- THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC COVERED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF MERCER ISLAND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.
- ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40% -70% PASSING; 2"-4" ROCK/30% -40% PASSING; AND 1"-2" ROCK/10% -20% PASSING.
- IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
- ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
- DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
- PRIOR TO THE OCTOBER 1 OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK OF OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.



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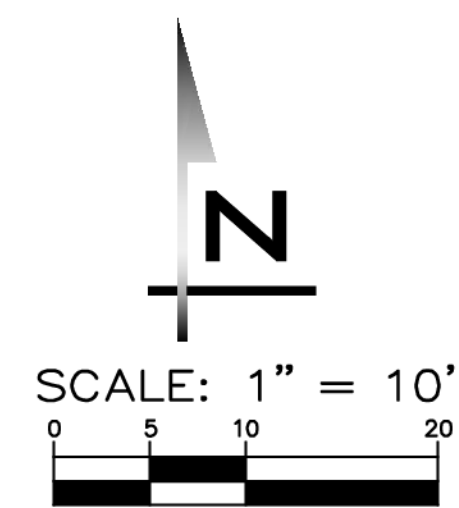
SCALE: AS NOTED
PROJECT MANAGER: YANNICK METS, PE
PROJECT ENGINEER: ALI RAMEZANI, PE
DESIGNER: CHRISTOPHER WISCOMB
ISSUE DATE: 11/20/2023

NO	DATE	BY	REVISIONS

TESC DETAILS
3036 67TH AVENUE SE
SITE PLAN
PARCEL 2174501025
CITY OF MERCER ISLAND WASHINGTON

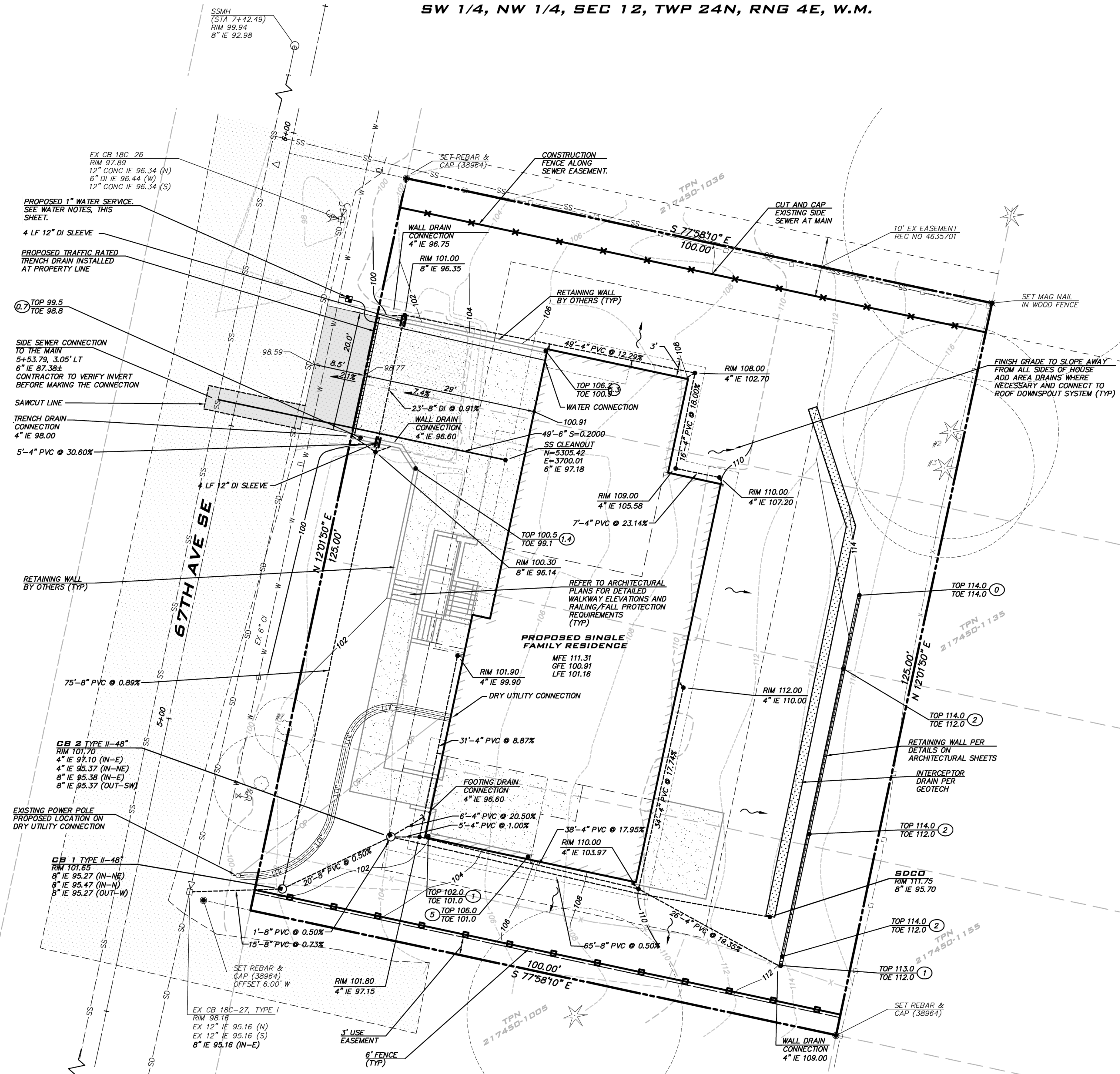
11/20/23
JOB NUMBER: 22-042
SHEET NAME: TP-02
SHT 3 OF 9

EXISTING UTILITY NOTE
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PROJECT MANAGER:
YANNICK METS, PE
PROJECT ENGINEER:
ALI RAMEZANI, PE
DESIGNER:
CHRISTOPHER WSCOMB
ISSUE DATE:
11/20/2023



STORM NOTES

1. STORM SERVICES TO BE 4" PVC AT 2% MIN SLOPE UNLESS OTHERWISE NOTED. SERVICES DESIGNED TO HAVE AT LEAST 1.5' COVER.
2. TYPE II CATCH BASINS TO BE INSTALLED PER COB STD DTL D-4.
3. STORM DRAIN CLEANOUTS TO BE INSTALLED PER COB STD DTL D-52.

AMENDED SOILS

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

WATER NOTES

1. IF EXISTING METER MEETS CURRENT CITY STANDARDS IT CAN BE RE-USED OTHERWISE CUT AND CAP SERVICE AT MAIN PER CURRENT PUBLIC WORKS SPECIFICATIONS AND INSTALL NEW SERVICES.
2. NEW 1" WATER SERVICE AND 3/4" METER SHOWN IS TYPICAL SIZE FOR A SINGLE FAMILY HOME. SIZE MAY VARY, BASED ON UPC SIZING CRITERIA, AND SHALL BE CONFIRMED BY BUILDER PRIOR TO CONSTRUCTION.
3. IF NEW WATER SERVICE IS REQUIRED, INSTALL PER MERCER ISLAND SDT DTL W-13.

SANITARY SEWER NOTES

1. EXISTING SANITARY SEWER LINE SHALL BE CUT AND CAPPED AT THE EASEMENT LINE.
2. PROPOSED SEWER SERVICE LINE TO BE INSTALLED PER CITY OF MERCER ISLAND STANDARD DETAIL S-18 & S-17.
3. SANITARY SEWER CLEANOUT TO BE INSTALLED PER CITY OF MERCER ISLAND STANDARD DETAIL S-19.
4. REFER TO CITY OF MERCER ISLAND STANDARD DETAIL S-22 FOR DISCONNECTION AND RECONNECTION NOTES AND SPECIFICATIONS
5. MAINTAIN MINIMUM 18" BETWEEN NEW SIDE SEWER AND OTHER UTILITIES.

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NO	DATE	BY	REVISIONS

SITE PLAN
3036 67TH AVENUE SE
 SITE PLAN
 PARCEL 2174501025
 CITY OF MERCER ISLAND WASHINGTON



11/20/23
 JOB NUMBER:
22-042
 SHEET NAME:
SP-01
 SHT **5** OF **9**



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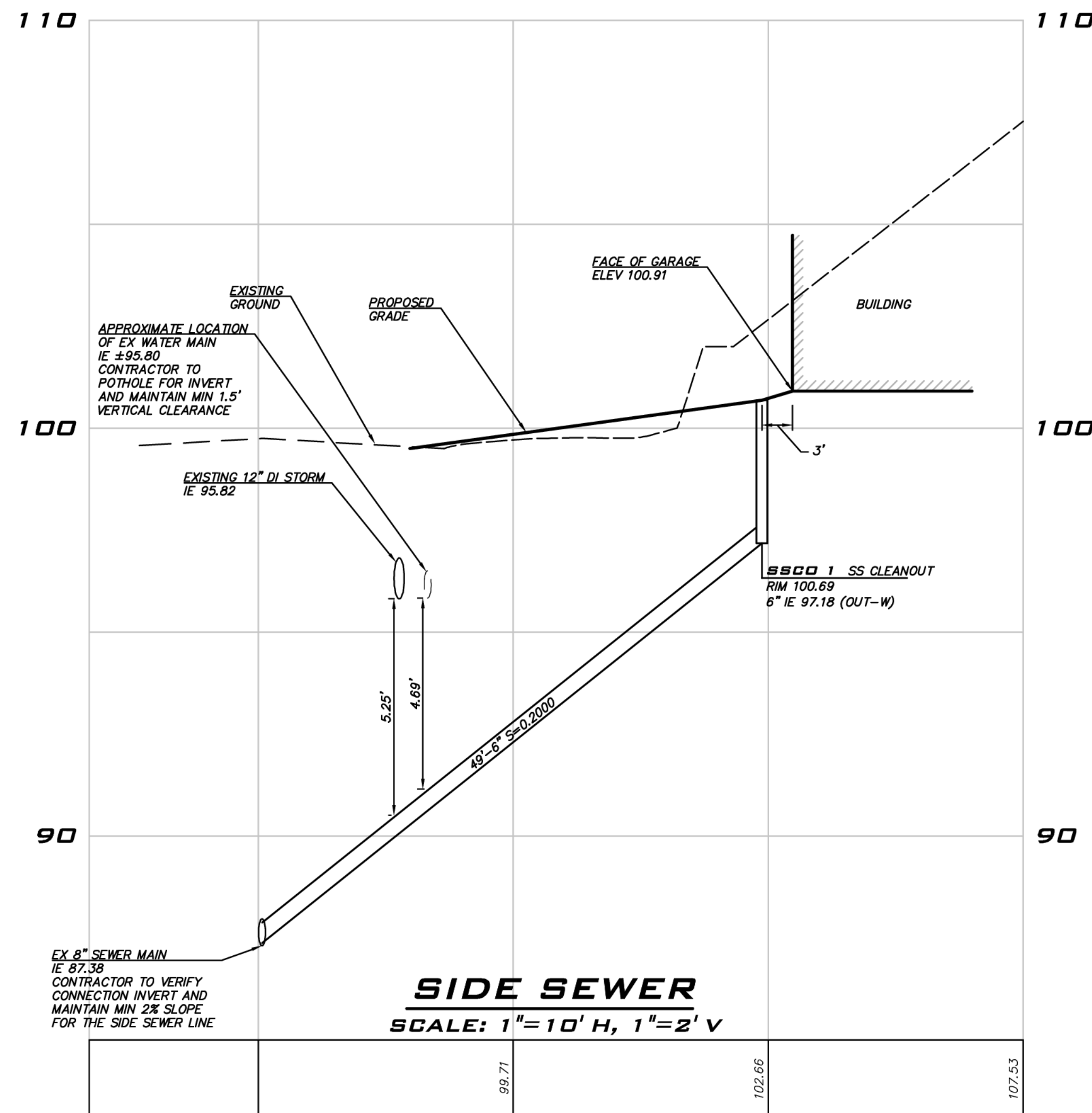
SCALE:
AS NOTED

PROJECT MANAGER:
YANNICK METS, PE

PROJECT ENGINEER:
ALI RAMEZANI, PE

DESIGNER:
CHRISTOPHER WSCOMB

ISSUE DATE:
11/20/2023



NO	DATE	BY	REVISIONS

SIDE SEWER PROFILE
3036 67TH AVENUE SE
SITE PLAN
PARCEL 2174501025
CITY OF MERCER ISLAND WASHINGTON

- SANITARY SEWER NOTES**
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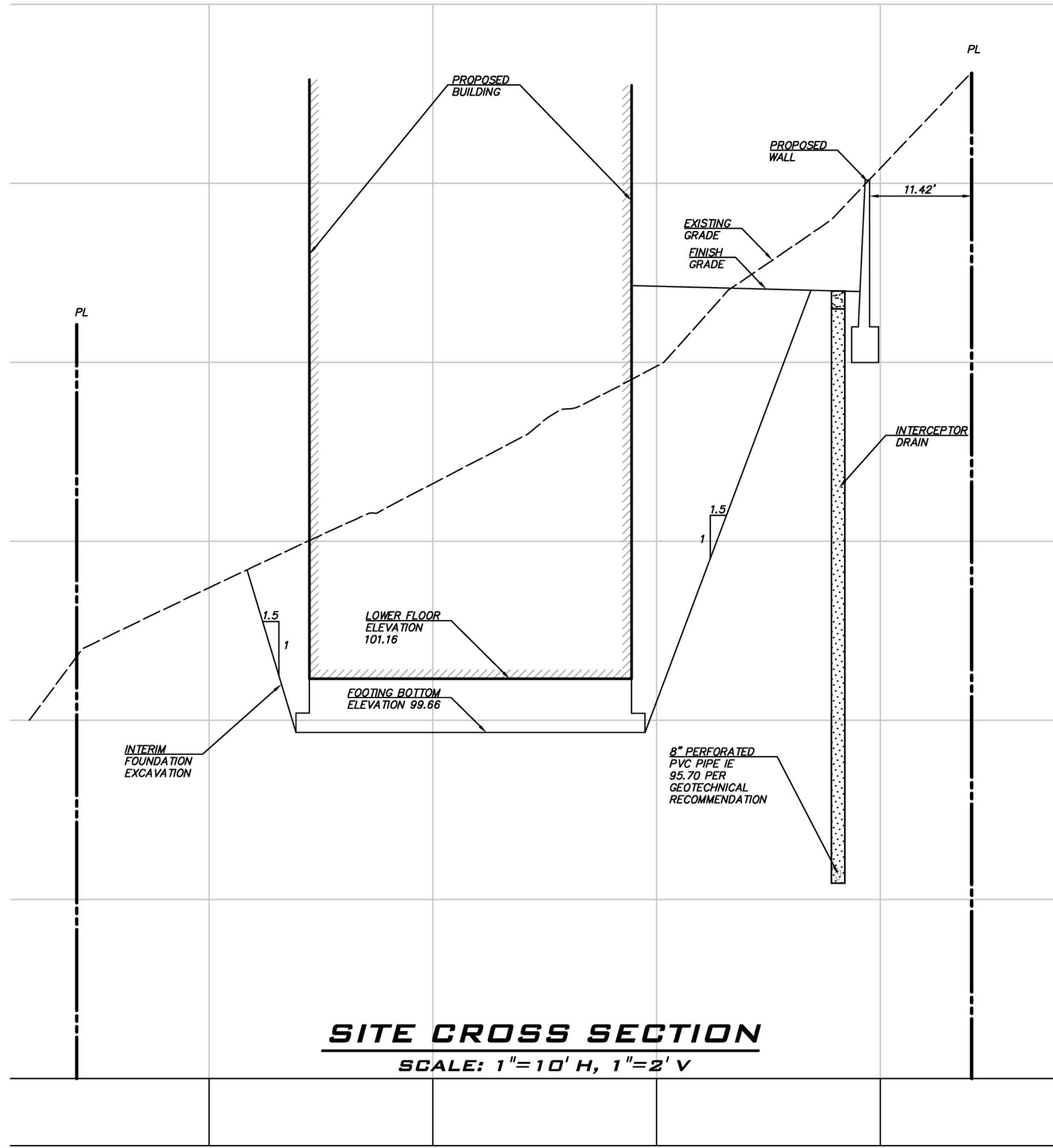
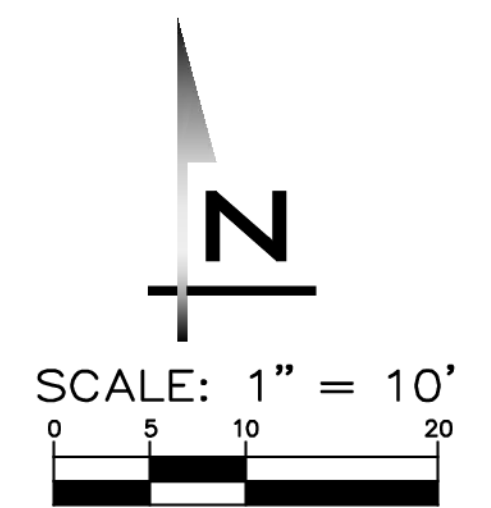


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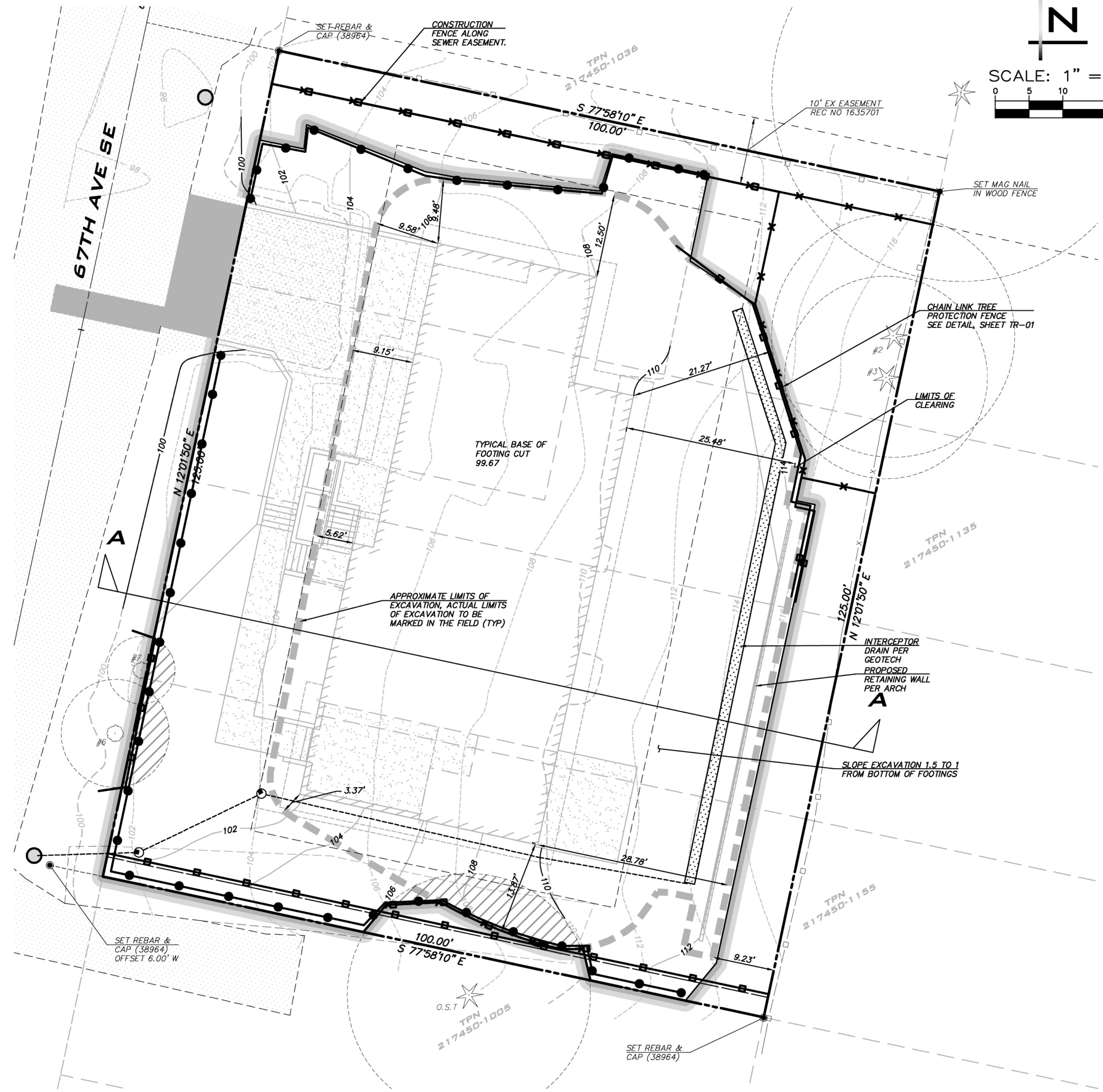


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SITE CROSS SECTION
SCALE: 1"=10' H, 1"=2' V



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NO	DATE	BY	REVISIONS

TEMPORARY GRADING PLAN
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SITE PLAN
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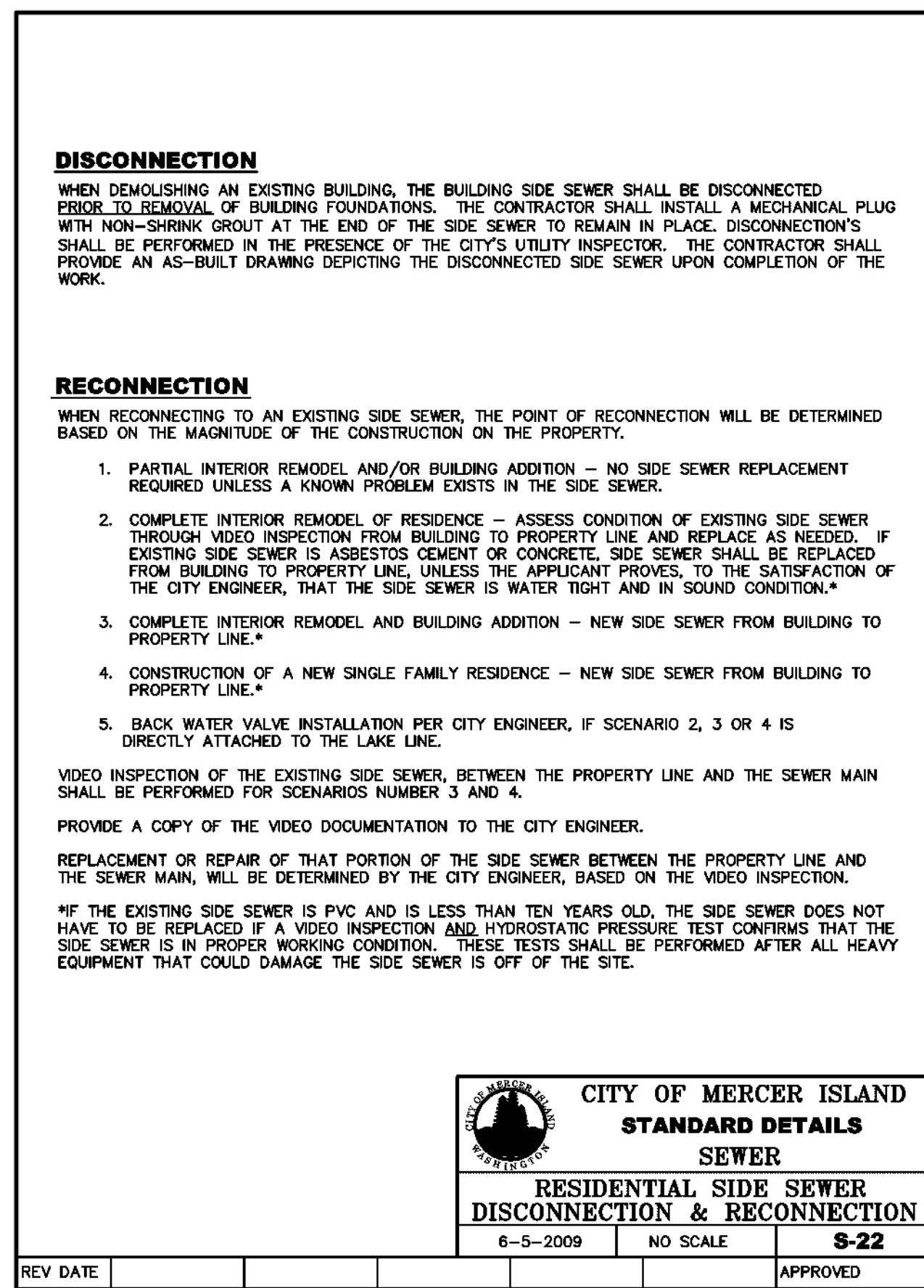
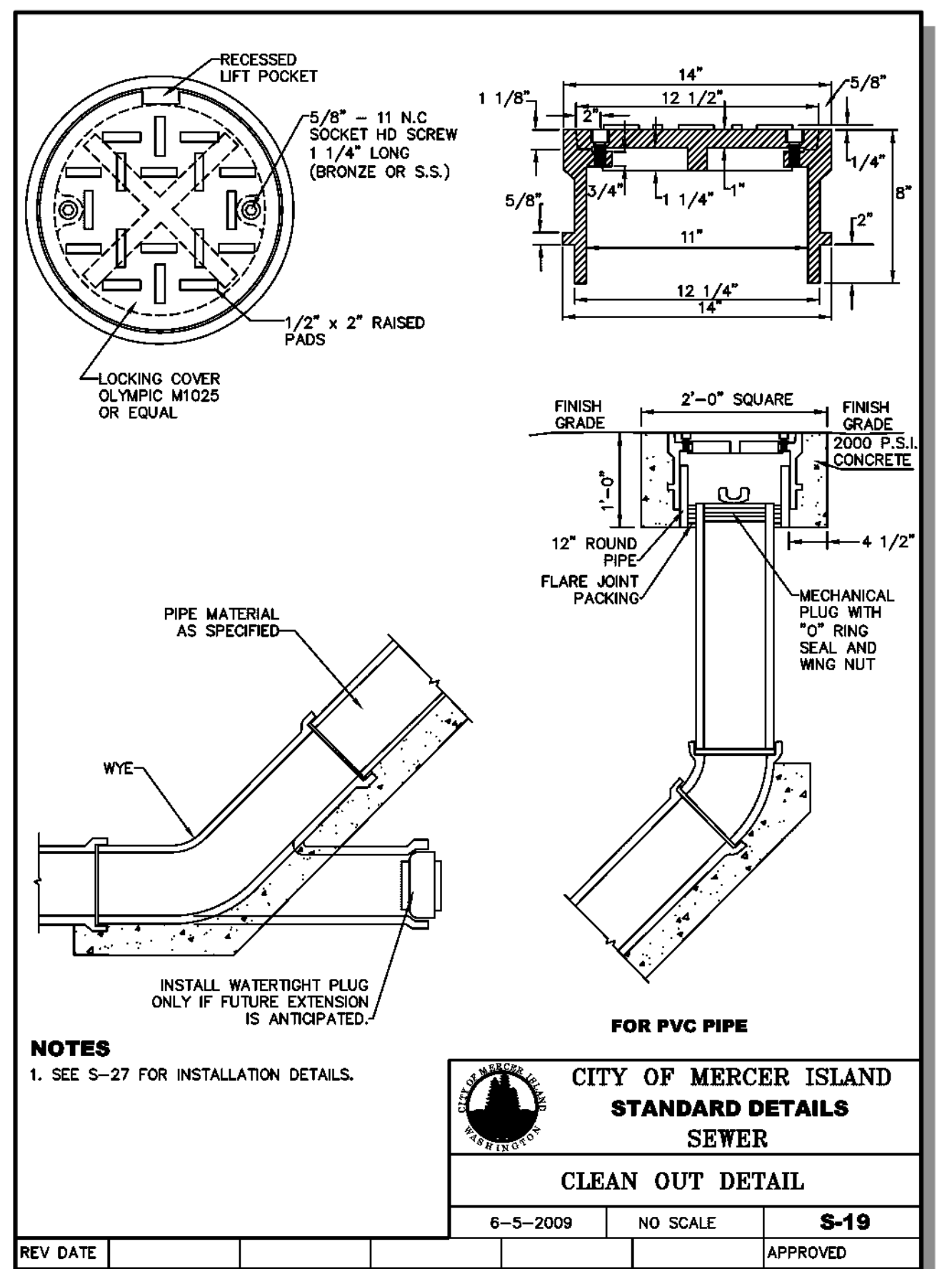
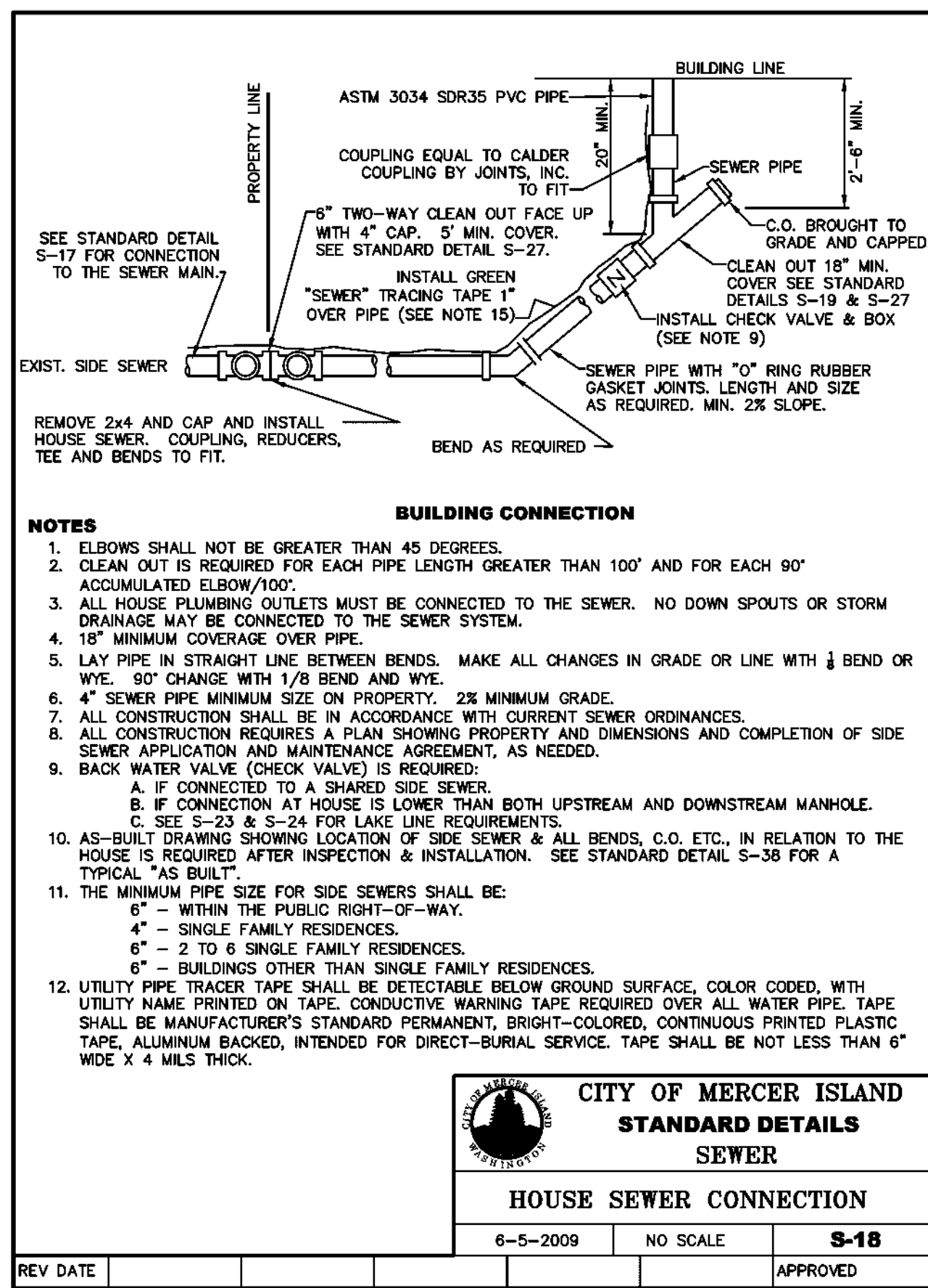
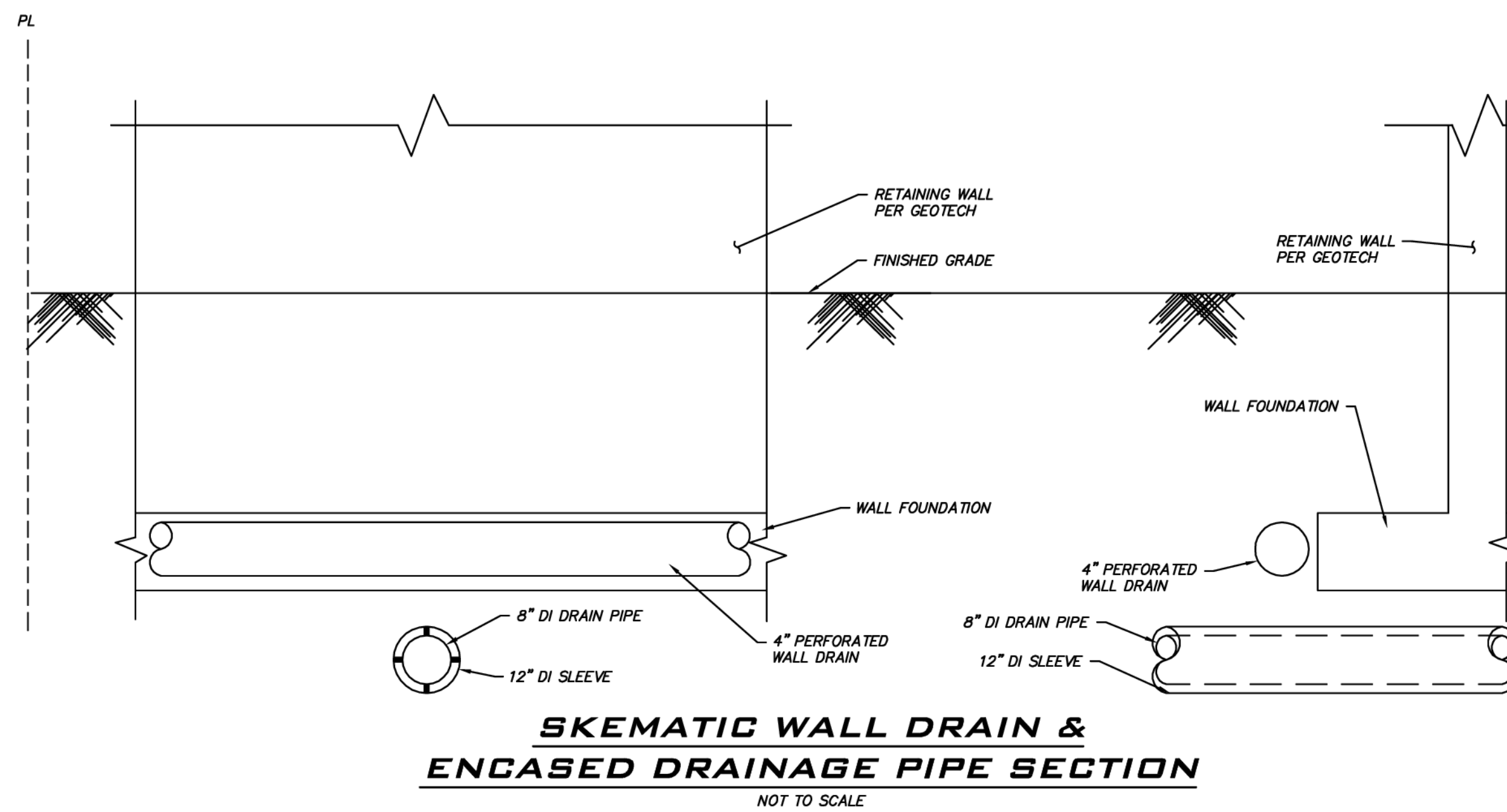
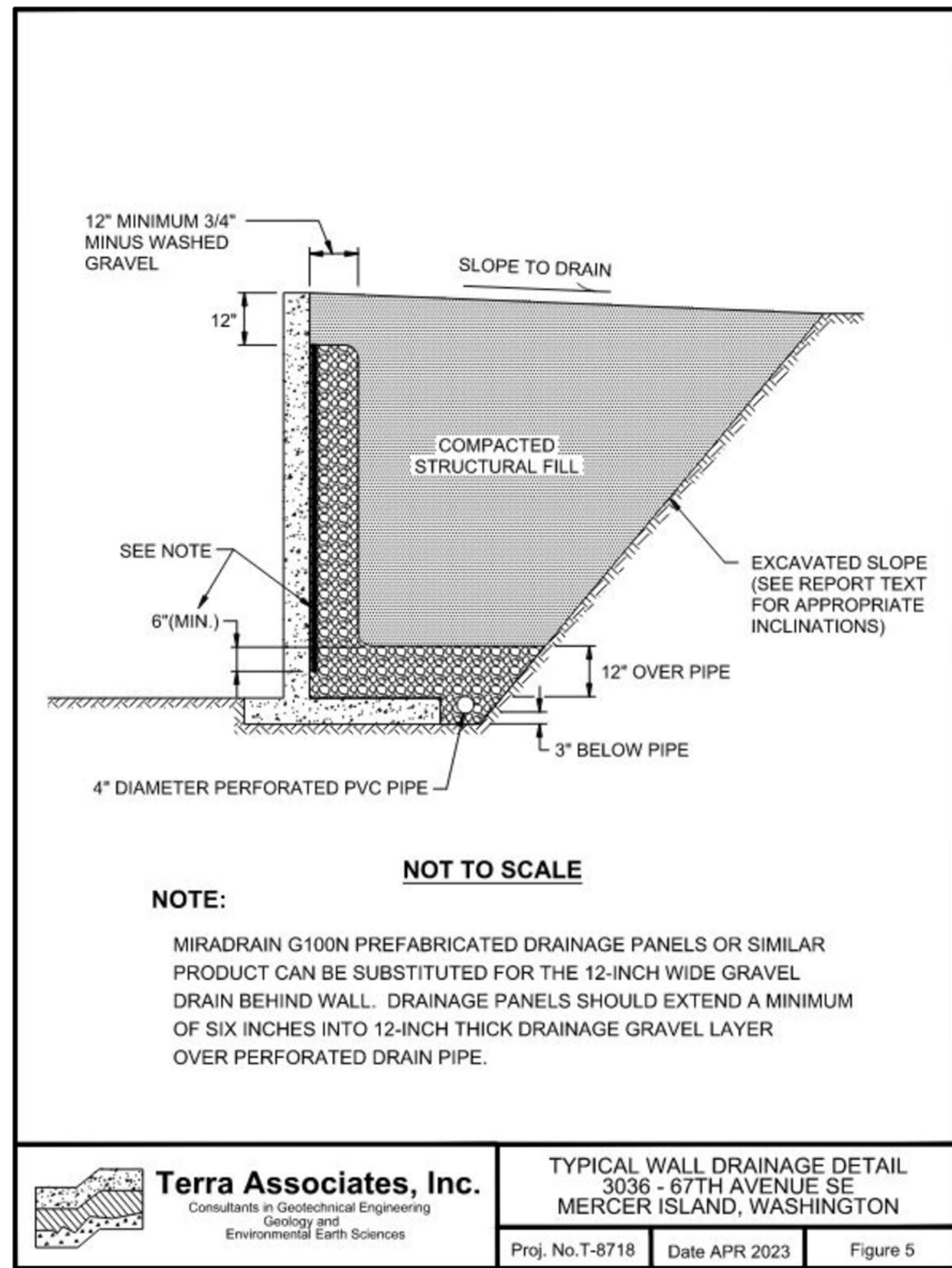
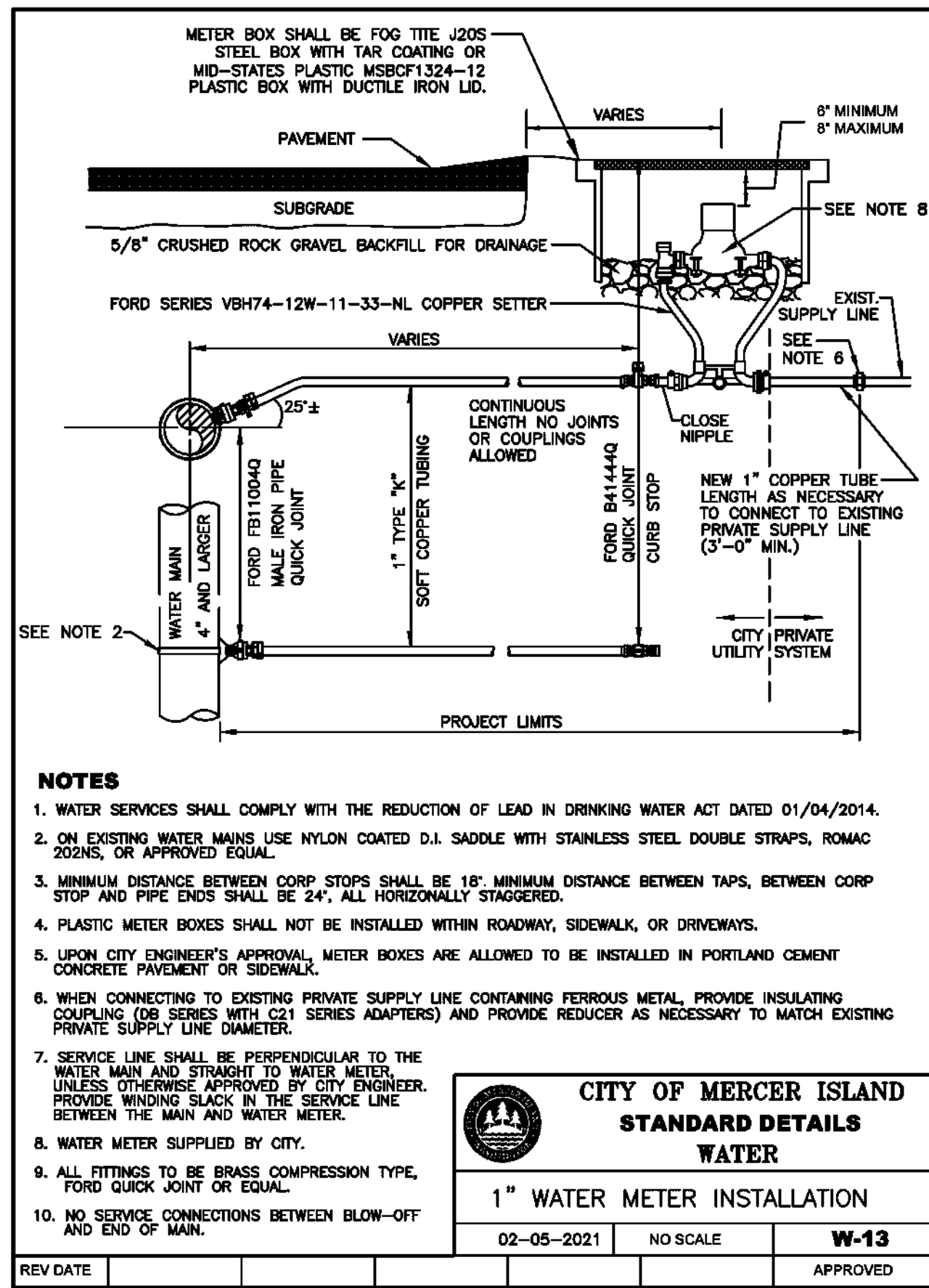
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SHEET NAME:

TG-01



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 PROJECT ENGINEER: ALI RAMEZANI, PE
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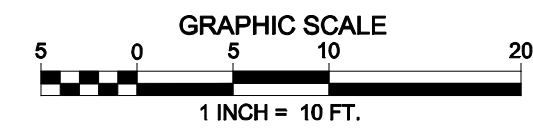
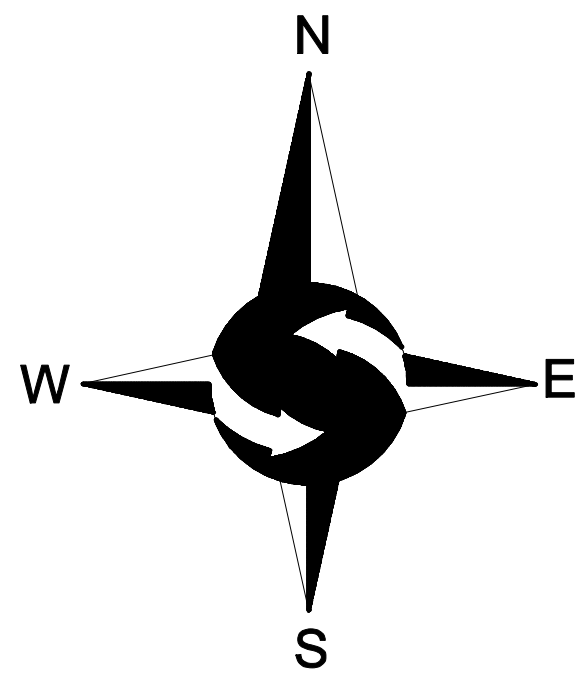
NO	DATE	BY	REVISIONS

DETAILS
3036 67TH AVENUE SE
SITE PLAN
 PARCEL 2174501025
 CITY OF MERCER ISLAND WASHINGTON

YANNICK METS
 STATE OF WASHINGTON
 REGISTERED PROFESSIONAL ENGINEER
 56308

11/20/23
 JOB NUMBER: 22-042
 SHEET NAME: DT-01

SHT 8 OF 9



LEGEND

- | | |
|--|--------------------------|
| ○ FOUND REBAR AS DESCRIBED | —OHP— OVERHEAD POWER |
| ⊗ SET MAG NAIL AS DESCRIBED | —OHU— OVERHEAD UTILITIES |
| ● SET 5/8" X 24" IRON ROD
W/1" YELLOW PLASTIC CAP | —□— WOOD FENCE |
| ⊠ POWER METER | ▬ CONCRETE WALL |
| ⊕ UTILITY POLE | — — WIRE FENCE |
| ⊞ CATCH BASIN | ▨ TIMBER WALL |
| ⊞ MAILBOX | ▨ ROCKERY |
| ⊞ SANITARY SEWER MANHOLE | ▨ ASPHALT SURFACE |
| ⊞ WATER VALVE | ▨ CONCRETE SURFACE |
| ⊞ FIRE HYDRANT | AP APPLE |
| ⊞ WATER METER | DF DOUGLAS FIR |
| ⊞ SIGN | DS DECIDUOUS |
| —SS— APPROXIMATE LOCATION SANITARY
SEWER LINE | PI PINE |
| —SD— APPROXIMATE LOCATION STORM
DRAIN LINE | * INDICATES MULTI-TRUNK |
| —W— APPROXIMATE LOCATION
UNDERGROUND WATER LINE | |

LEGAL DESCRIPTION

LOTS 15, 16, 17, 18 AND THE SOUTHERLY 5 FEET OF LOT 19, BLOCK 6, EAST SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 3 OF PLATS, PAGES 22 AND 23, RECORDS OF KING COUNTY, WASHINGTON; EXCEPT THAT PORTION THEREOF LYING WITHIN MERCER ISLAND ROAD (67TH AVENUE SE)

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARINGS

RECORD OF SURVEY BY TERRANE FOR JAYMARC HOMES, RECORDED ON JULY 26, 2021, IN VOLUME 451 OF SURVEYS, PAGE 259, UNDER RECORDING NO. 20210728900027, RECORDS OF KING COUNTY, WASHINGTON.

PROJECT INFORMATION

SURVEYOR: SITE SURVEYING, INC.
21923 NE 11TH ST
SAMMAMISH, WA 98074
PHONE: 425.298.4412

PROPERTY OWNER: WILLIAM E. BUCHAN, INC
3036 67TH AVENUE SE
MERCER ISLAND, WA 98040

TAX PARCEL NUMBER: 217450-1025

PROJECT ADDRESS: 3036 67TH AVENUE SE
MERCER ISLAND, WA 98040

ZONING: R-8.4

JURISDICTION: CITY OF MERCER ISLAND

PARCEL ACREAGE: 12,500 S.F. (0.286 ACRES) AS SURVEYED

GENERAL NOTES

- THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF A CURRENT TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST ON THIS PROPERTY THAT ARE NOT SHOWN HEREON.
- INSTRUMENTATION FOR THIS SURVEY WAS A 3-SECOND SPECTRAPRECISION FOCUS SS TOTAL STATION. PROCEDURES USED IN THIS SURVEY MEET OR EXCEED STANDARDS SET BY WAC 332-130-090.
- THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE IN AUGUST 2021 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND OBSERVATIONS AND AS-BUILT PLANS WHERE AVAILABLE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MAY VARY AND UTILITIES NOT SHOWN ON THIS SURVEY MAY EXIST ON THIS SITE.
- ALL MONUMENTS WERE LOCATED DURING THIS SURVEY UNLESS OTHERWISE NOTED.

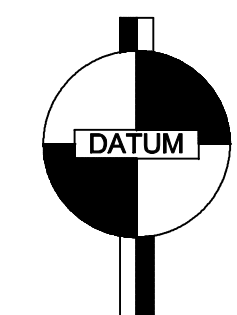
VERTICAL DATUM & CONTOUR INTERVAL

ELEVATIONS SHOWN ON THIS DRAWING WERE DERIVED FROM INFORMATION PROVIDED BY THE CITY OF MERCER ISLAND.

THE MARK IS A MONUMENT IN CASE AT THE INTERSECTION OF 68TH AVENUE SE W AND SE 32ND STREET.

POINT ID NO. 47748;
ELEVATION: 112.571 FEET - NAVD 88

2.0' CONTOUR INTERVAL - THE EXPECTED VERTICAL ACCURACY IS EQUAL TO 1/2 THE CONTOUR INTERVAL OR PLUS / MINUS 1.0' FOR THIS PROJECT.



VICINITY MAP
NTS

SW 1/4, NW 1/4, SEC 12, TWP 24N, RNG 4E, W.M.



TOPOGRAPHIC SURVEY
WILLIAM E. BUCHAN, INC
3036 67TH AVENUE SE
MERCER ISLAND, WA 98040

DATE	REVISION	DRN

PROJECT NO. 21-461
DRAWN BY: EFJ
CHECKED BY: TNW
DATE: 8/17/21
SHEET 1 OF 1

SYMBOLS AND LEGEND

FAN - DIRECT VENT TO OUTSIDE -BATHROOMS/LAUNDRY 30 CFM MIN. -KITCHEN EXHAUST HOOD TO BE MIN. OF 100CFM. IF EXHAUST HOOD EXCEEDS 400 CFM MAKE UP AIR MUST BE PROVIDED PER SECTION M1003.6.	THERMOSTAT • 5'0" ABOVE FLOOR
WHOLE-HOUSE FAN ON TIMER SYSTEMS TO CONFORM TO IRC, M1005.4. FAN SIZE PER PLAN. TIMER TO BE LOCATED AT THE FAN WITH A MANUAL OVERRIDE SWITCH AT THE FAN LOCATION. TIMER TO BE SET TO RUN 50% IN EACH 4-HOUR SEGMENT. FRESH AIR TO BE PROVIDED BY THE FORCED AIR SYSTEM DUCTS PER SECTION M1005.4.1.	MECHANICAL, PLUMBING AND ELECTRICAL SYSTEM FOR UNITS: PER DIV. 15.16 SEE SHEET A-1
R314.2.3. A HEAT DETECTOR OR HEAT ALARM RATED FOR THE AMBIENT OUTDOOR TEMPERATURES AND HUMIDITY SHALL BE INSTALLED IN NEW GARAGES THAT ARE ATTACHED TO OR LOCATED UNDER NEW AND EXISTING DWELLINGS PER SECTION R314.2.3	FURN WH

FLOOR PLAN KEY NOTES

P-1 OCCUPANCY SEPARATION: APPLY (1) LAYER OF 1/2" G.W.B. TO GARAGE SIDE OF RESIDENCE ATTIC SPACES. 4 TO ALL BEAMS & POSTS SUPPORTING A FLOOR-CEILING ASSEMBLY. APPLY (1) LAYER OF 1" TYPE 'X' G.W.B. TO GARAGE CEILING WHEN UNDER HABITABLE ROOMS. DUCTS THROUGH WALL OR CEILING COMMON TO HOUSE SHALL HAVE MINIMUM 26 GAUGE STEEL. SEE DIV. 05022.6.A. SHEET A-1.
P-2 1 3/4" MIN. SELF CLOSING SOLID WOOD CORE, HONEY-COMB CORE STEEL, OR 20-MINUTE FIRE RATED DOOR W/ SELF-CLOSER. SEE DIV. 05022.6.B. SHEET A-1.
P-3 SAFETY GLAZING PER I.R.C. SECTION R308 A. WINDOWS WITHIN 18" OF FLOOR B. WINDOWS WITHIN A 24" ARC OF DOORS C. WINDOWS AT TUBS AND SHOWERS D. GLAZING IN DOORS E. WITHIN STAIRWELLS F. LESS THAN 60" HORIZ. FROM THE BOT. STAIR TREAD NOSING, 4 BOT. EDGE OF GLAZING IS LESS THAN 36" ABV. LANDING/WALKING SURFACE SEE DIV. 05022.6 SHEET A-1

FLOOR PLAN KEY NOTES

P-4 STAIR ASSEMBLY NOTES: PER I.R.C. SECTION R315 AND DETAIL 12/D2. A. HEADROOM MIN. 6'-8" WIDTH MIN. 3'-0". B. TREADS 10" MIN. DEPTH AND MIN. WIDTH OF 36" ABOVE HANDRAIL HEIGHT, RISERS 7 1/4" MAX. HT. TREAD NOSING TO BE MINIMUM 3/4" AND A MAXIMUM OF 1/4" ON STAIRS W/ SOLID RISERS. C. HANDRAIL MIN. 34" TO MAX 38" ABOVE TREAD NOSING. HANDRAIL TYPE I CIRCULAR TO HAVE 1 1/4" MIN. TO 2" MAX. CROSS SECTION DIMENSION AND 1 1/2" MIN. CLEAR FROM WALL. RETURN RAIL ENDS. HANDRAILS SHALL BE STRONG ENOUGH TO RESIST A 200# P.L. IN ANY DIRECTION PER I.R.C. TABLE R302.5. D. INSTALL FIRE BLOCKING BETWEEN STRINGERS AT THE TOP AND BOTTOM OF EACH RUN PER I.R.C. SECTION R302.2. E. COVER USABLE SPACE UNDER STAIR W/ 1/2" G.W.B. PER I.R.C. SECTION R302.1. F. INTERMEDIATE BALUSTERS SHALL BE SPACED W/ LESS THAN 4" BETWEEN BALUSTERS. G. PROVIDE STAIRWAY ILLUMINATION PER I.R.C. SECTION R302.6. SEE DIV. 05022.6 SHEET A-1.
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FLOOR PLAN KEY NOTES

P-5 EGRESS WINDOW PER I.R.C. SECTION R310 SEE DIV. 05022 SHEET A-1
P-6 IGNITERS FOR GAS FIRED APPLIANCES IN GARAGE TO BE 18" MIN. ABOVE TOP OF SLAB. SEE DIV. 15 SHEET A-1
P-7 COVER WALLS ADJACENT TO TUBS AND SHOWERS WITH NON-ABSORBENT MATERIAL TO 12" ABOVE DRAIN INLETS, PER I.R.C. SECTION 307.2. SEE DIV. 05250 SHEET A-1
P-8 (2) LAYERS OF FLOOR SHEATHING OVER FRAMING.
P-9 1 3/4" MAX. RISER WITH 10" MIN. RUN. IF MORE THAN (3) RISERS, HANDRAIL REQUIRED PER I.R.C. SECTION R311.8. SEE DIV. 05022.1 SHEET A-1
P-10 36"x48" CRAWL SPACE ACCESS. INSULATE AND WEATHER STRIP. SEE DIV. 05021 SHEET A-1
P-11 22"x30" ATTIC SPACE ACCESS W/ 30" HEAD CLEARANCE. INSULATE AND WEATHER STRIP. SEE DIV. 05022 SHEET A-1
P-12 FLOOR MATERIAL BREAK LINE

FLOOR PLAN KEY NOTES

P-13 WALL LINE ABOVE
P-14 WALL LINE BELOW
P-15 FIREPLACE ASSEMBLY NOTES: A. DIRECT VENT FIREPLACES, INSTALL PER MFG. SPECIFICATIONS. SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 05022 SHEET A-1 B. ZERO CLEARANCE FIREPLACES SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 05022 SHEET A-1 C. HEARTH SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 05022.8 AND 9 SHEET A-1 D. FIRE-BLOCK OPENINGS AROUND PENETRATIONS AT EACH FLOOR PER I.R.C. SECTION R1003.3.
P-16 SEE SITE PLAN FOR EXTENT OF WALKS AND DRIVEWAYS
P-17 3" DIAMETER STEEL POST

FLOOR PLAN KEY NOTES

P-18 42" GUARDRAIL PER I.R.C. SECTION R312 & TABLE R302.5 AT STAIRS SLOPES AT 34" ABOVE STAIR NOSING. CONTRACTOR TO VERIFY TO INSPECTOR THAT ALL GUARDRAILS ARE CAPABLE OF RESISTING 200LB LOAD ON TOP RAIL IN ANY DIRECTION PER R302.5.
P-19 1" VENT FOR MECHANICAL, 1" CLEARANCE ALL SIDES PER I.R.C. SECTION R1003.3. SEE DIV. 15 SHEET A-1
P-20 PLANT SHELF
P-21 UPPER AND LOWER LINEN CABINETS
P-22 SOFFIT AREA
P-23 INTEGRATED MAKE UP AIR
P-24 2x6 STUDS W/ R-21 INSUL. MIN.

GENERAL PLAN NOTES

- SEE SHEET A-1 FOR ALL GENERAL NOTES AND REQUIREMENTS.
- ENERGY AND AIR QUALITY INFORMATION SEE DIV. 11 SHEET A-1
- SEE BUILDING ELEVATION FOR WINDOW OPERATION SEE DIV. 8 SHEET A-1
- SEE TYP. MATERIALS LIST ON SECTION SHEET
- SEE SHEET A-1 FOR ALL NOTES AND REQUIREMENTS CONCERNING MECHANICAL, PLUMBING, AND ELECTRICAL.

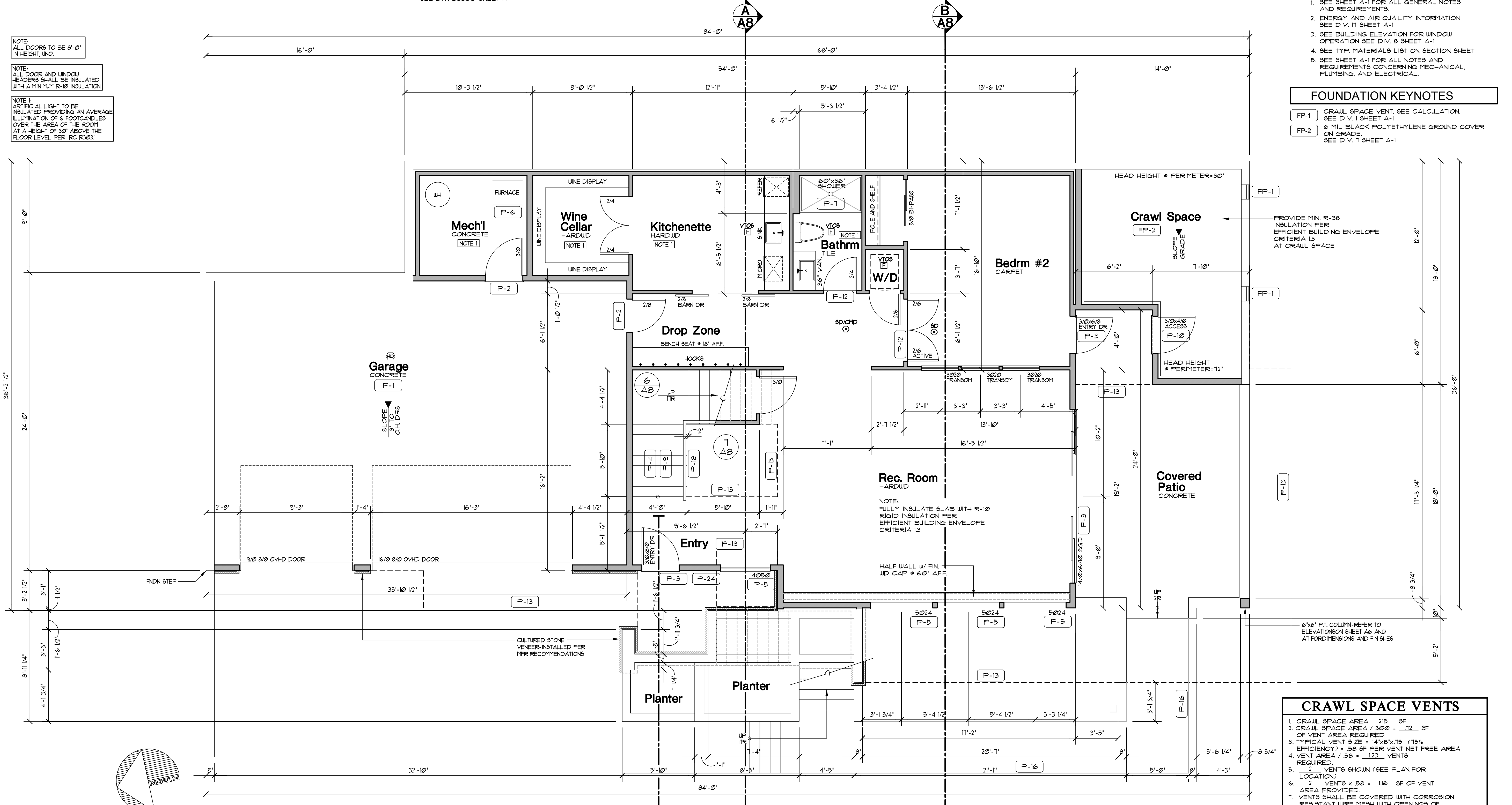
FOUNDATION KEYNOTES

FP-1 CRAWL SPACE VENT. SEE CALCULATION. SEE DIV. 1 SHEET A-1
FP-2 6" MIL BLACK POLYETHYLENE GROUND COVER ON GRADE. SEE DIV. 1 SHEET A-1

NOTE: ALL DOORS TO BE 8'-0" IN HEIGHT, UNO.

NOTE: ALL DOOR AND WINDOW HEADERS SHALL BE INSULATED WITH A MINIMUM R-10 INSULATION.

NOTE: ARTIFICIAL LIGHT TO BE INSULATED PROVIDING AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30" ABOVE THE FLOOR LEVEL PER IRC R303.1



CRAWL SPACE VENTS

- CRAWL SPACE AREA = 215 SF
- CRAWL SPACE AREA / 3000 = .072 SF OF VENT AREA REQUIRED
- TYPICAL VENT SIZE = 14"x8"x15" (75% EFFICIENCY) = 58 SF PER VENT NET FREE AREA
- VENT AREA / 58 = 1.23 VENTS REQUIRED
- 2 VENTS SHOWN (SEE PLAN FOR LOCATION)
- 2 VENTS x 58 = 116 SF OF VENT AREA PROVIDED
- VENTS SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH OPENINGS OF 1/4" MAX.
- VENTS LOCATED IN RIM JOIST MUST BE PERMANENTLY BAFFLED. USE C 5021.4.1

LOWER FLOOR PLAN

Scale 1/4"=1'-0"

APPROVED	DATE	DESCRIPTION
8/12/22	REY. PERMIT SET	
8/17/23	REY. JURISDICTIONAL COMMENTS	
8/25/23	REY. JURISDICTIONAL COMMENTS	
10/5/23	REY. JURISDICTIONAL COMMENTS	
11/27/23	REY. JURISDICTIONAL COMMENTS-CLOUDED	

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TITLE

JOB NO.: 21076.21
STARTING NO.: 21076.05

SHEET

A2

SYMBOLS AND LEGEND	
FAN - DIRECT VENT TO OUTSIDE -BATHROOMS/LAUNDRY 50 CFM MIN. -KITCHEN EXHAUST HOOD TO BE MIN. OF 100CFM. IF EXHAUST HOOD EXCEEDS 400 CFM MAKE UP AIR MUST BE PROVIDED PER SECTION M1503.6.	THERMOSTAT @ 5'-0" ABOVE FLOOR
WHOLE-HOUSE FAN ON TIMER SYSTEMS TO CONFORM TO IRC, M1505.4. FAN SIZE PER PLAN. TIMER TO BE LOCATED AT THE FAN WITH A MANUAL OVERRIDE SWITCH AT THE FAN LOCATION. TIMER TO BE SET TO RUN 50% IN EACH 4-HOUR SEGMENT. FRESH AIR TO BE PROVIDED BY THE FORCED AIR SYSTEM DUCTS PER SECTION M1505.4.1.	MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEM FOR UNITS. PER DIV. 15.16 SEE SHEET A-1
R314.2.3. A HEAT DETECTOR OR HEAT ALARM RATED FOR THE AMBIENT OUTDOOR TEMPERATURES AND HUMIDITY SHALL BE INSTALLED IN NEW GARAGES THAT ARE ATTACHED TO OR LOCATED UNDER NEW AND EXISTING DWELLINGS PER SECTION R314.2.3	FURN

FLOOR PLAN KEY NOTES	
P-1 OCCUPANCY SEPARATION: APPLY (1) LAYER OF 1/2" G.W.B. TO GARAGE SIDE OF RESIDENCE ATTIC SPACES. 4 TO ALL BEAMS & POSTS SUPPORTING A FLOOR-CEILING ASSEMBLY. APPLY (1) LAYER OF 1/2" TYPE 'X' G.W.B. TO GARAGE CEILING WHEN UNDER HABITABLE ROOMS. DUCTS THROUGH WALL OR CEILING COMMON TO HOUSE SHALL HAVE MINIMUM 26 GAUGE STEEL. SEE DIV. 05022.6.A SHEET A-1.	P-2 1 3/4" MIN. SELF CLOSING SOLID WOOD CORE, HONEY-COMB CORE STEEL, OR 20-MINUTE FIRE RATED DOOR W/ SELF-CLOSER. SEE DIV. 05022.6.B SHEET A-1.
P-3 SAFETY GLAZING PER I.R.C. SECTION R308 A. WINDOWS WITHIN 18" OF FLOOR B. WINDOWS WITHIN A 24" ARC OF DOORS C. WINDOWS AT TUBS AND SHOWERS D. GLAZING IN DOORS E. WITHIN STAIRWELLS F. LESS THAN 60" HORIZ. FROM THE BOT. STAIR TREAD NOSING, 4 BOT. EDGE OF GLAZING IS LESS THAN 36" ABV. LANDING/WALKING SURFACE SEE DIV. 05022.6 SHEET A-1.	

FLOOR PLAN KEY NOTES	
P-4 STAIR ASSEMBLY NOTES: PER I.R.C. SECTION R301.5 AND DETAIL 12/D2. A. HEADROOM MIN. 6'-8" WIDTH MIN. 3'-0". B. TREADS 10" MIN. DEPTH AND MIN. WIDTH OF 36" ABOVE HANDRAIL HEIGHT, RISERS 7 1/4" MAX. HT. TREAD NOSING TO BE MINIMUM 3/4" AND A MAXIMUM OF 1/4" ON STAIRS W/ SOLID RISERS. C. HANDRAIL MIN. 34" TO MAX 38" ABOVE TREAD NOSING. HANDRAIL TYPE I CIRCULAR TO HAVE 1 1/4" MIN. TO 2" MAX. CROSS SECTION DIMENSION AND 1 1/2" MIN. CLEAR FROM WALL. RETURN RAIL ENDS. HANDRAILS SHALL BE STRONG ENOUGH TO RESIST A 200# P.L. IN ANY DIRECTION PER I.R.C. TABLE R302.1. D. INSTALL FIRE BLOCKING BETWEEN STRINGERS AT THE TOP AND BOTTOM OF EACH RUN PER I.R.C. SECTION R302.11. E. COVER USABLE SPACE UNDER STAIR W/ 1/2" G.W.B. PER I.R.C. SECTION R302.1. F. INTERMEDIATE BALUSTERS SHALL BE SPACED W/ LESS THAN 4" BETWEEN BALUSTERS. G. PROVIDE STAIRWAY ILLUMINATION PER I.R.C. SECTION R302.6. SEE DIV. 05022.6 SHEET A-1.	

FLOOR PLAN KEY NOTES	
P-5 EGRESS WINDOW PER I.R.C. SECTION R310 SEE DIV. 05022 SHEET A-1.	P-6 IGNITERS FOR GAS FIRED APPLIANCES IN GARAGE TO BE 18" MIN. ABOVE TOP OF SLAB. SEE DIV. 15 SHEET A-1.
P-7 COVER WALLS ADJACENT TO TUBS AND SHOWERS WITH NON-ABSORBENT MATERIAL TO 12" ABOVE DRAIN INLETS. PER I.R.C. SECTION 307.2. SEE DIV. 05120 SHEET A-1.	P-8 (2) LAYERS OF FLOOR SHEATHING OVER FRAMING.
P-9 1 3/4" MAX. RISER WITH 10" MIN. RUN. IF MORE THAN SECTION R301.5. SEE DIV. 05022.1 SHEET A-1.	P-10 36"x48" CRAWL SPACE ACCESS. INSULATE AND WEATHER STRIP. SEE DIV. 05022.1 SHEET A-1.
P-11 22"x30" ATTIC SPACE ACCESS W/ 30" HEAD CLEARANCE. INSULATE AND WEATHER STRIP. SEE DIV. 05022.2 SHEET A-1.	P-12 FLOOR MATERIAL BREAK LINE

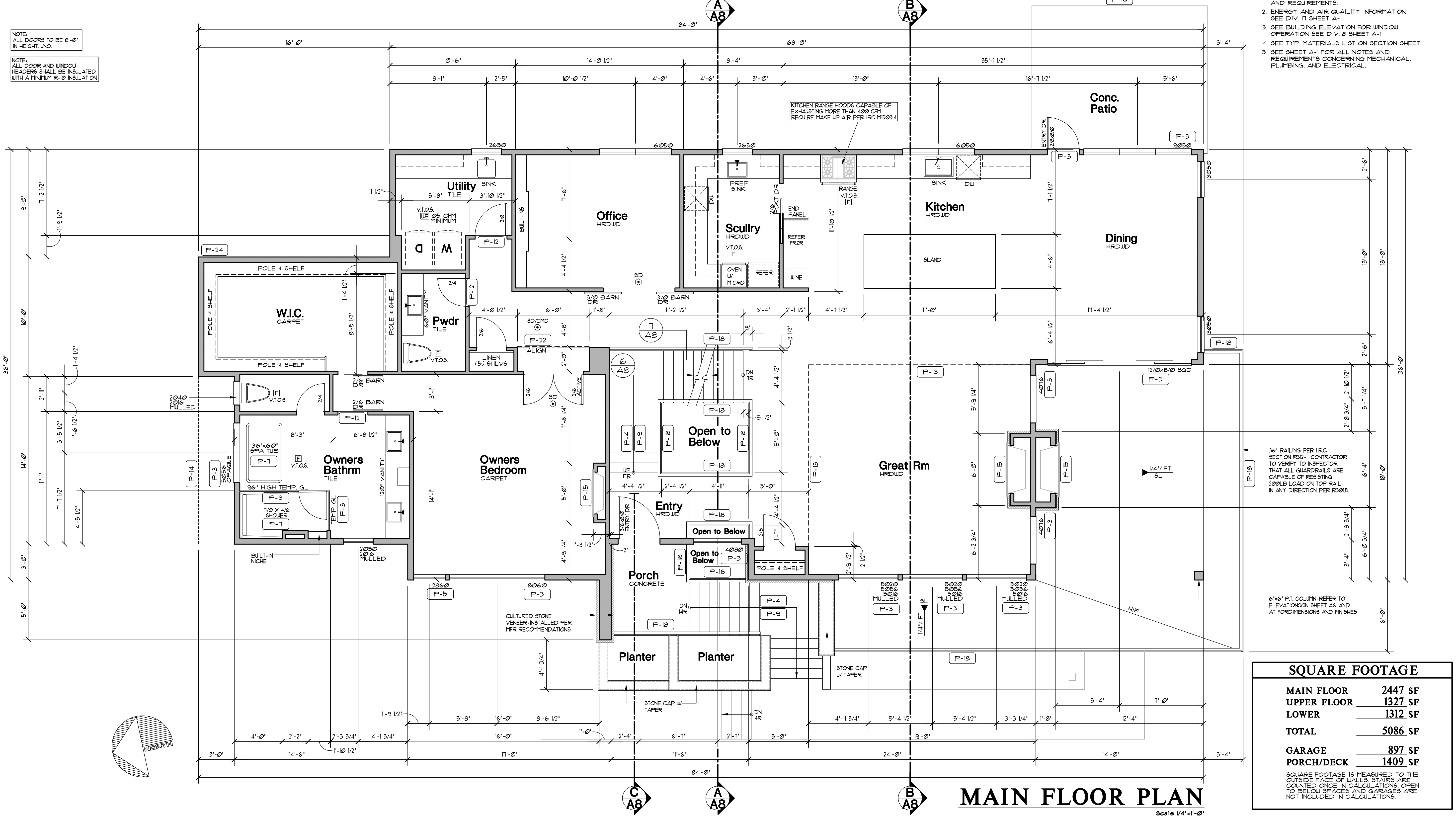
FLOOR PLAN KEY NOTES	
P-13 WALL LINE ABOVE	P-14 WALL LINE BELOW
FIREPLACE ASSEMBLY NOTES: A. DIRECT VENT FIREPLACES, INSTALL PER MFG. SPECIFICATIONS. SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 05022.2 SHEET A-1. B. ZERO CLEARANCE FIREPLACES SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 05022.2 SHEET A-1. C. HEARTH SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 05022.2 AND 9 SHEET A-1. D. FIRE-BLOCK OPENINGS AROUND PENETRATIONS AT EACH FLOOR PER I.R.C. SECTION R1002.13.	
P-16 SEE SITE PLAN FOR EXTENT OF WALKS AND DRIVEWAYS	P-17 3" DIAMETER STEEL POST

FLOOR PLAN KEY NOTES	
P-18 42" GUARDRAIL PER I.R.C. SECTION R312.4 TABLE R301.5 AT STAIRS SLOPES AT 34" ABOVE STAIR NOSING. CONTRACTOR TO VERIFY TO INSPECTOR THAT ALL GUARDRAILS ARE CAPABLE OF RESISTING 200LB LOAD ON TOP RAIL IN ANY DIRECTION PER R301.5.	P-19 18" VENT FOR MECHANICAL, 1" CLEARANCE ALL SIDES PER I.R.C. SECTION R1002.3. SEE DIV. 15 SHEET A-1.
P-20 PLANT SHELF	P-21 UPPER AND LOWER LINEN CABINETS
P-22 SOFFIT AREA	P-23 INTEGRATED MAKE UP AIR
P-24 2x6 STUDS W/ R-21 INSUL. MIN.	

GENERAL PLAN NOTES	
1. SEE SHEET A-1 FOR ALL GENERAL NOTES AND REQUIREMENTS.	2. ENERGY AND AIR QUALITY INFORMATION SEE DIV. 11 SHEET A-1.
3. SEE BUILDING ELEVATION FOR WINDOW OPERATION SEE DIV. 8 SHEET A-1.	4. SEE TYP. MATERIALS LIST ON SECTION SHEET
5. SEE SHEET A-1 FOR ALL NOTES AND REQUIREMENTS CONCERNING MECHANICAL, PLUMBING, AND ELECTRICAL.	

NOTE: ALL DOORS TO BE 8'-0" IN HEIGHT, UNO.

NOTE: ALL DOOR AND WINDOW HEADERS SHALL BE INSULATED WITH A MINIMUM R-10 INSULATION.



SQUARE FOOTAGE	
MAIN FLOOR	2447 SF
UPPER FLOOR	1327 SF
LOWER	1312 SF
TOTAL	5086 SF
GARAGE	897 SF
PORCH/DECK	1409 SF

SQUARE FOOTAGE IS MEASURED TO THE OUTSIDE FACE OF WALLS. STAIRS ARE COUNTED ONCE IN CALCULATIONS. OPEN TO BELOW SPACES AND GARAGES ARE NOT INCLUDED IN CALCULATIONS.

MAIN FLOOR PLAN

Scale 1/4"=1'-0"

Buchan Homes Westview Plan

Permit no. 2210-120 Mercer Island, WA
3036 67th Ave SE

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Date	By	Description
10/12/22	REV	PERMIT SET
8/17/23	REV	JURISDICTIONAL COMMENTS
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10/5/23	REV	JURISDICTIONAL COMMENTS
11/22/23	REV	JURISDICTIONAL COMMENTS-CLOUDED

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TITLE

JOB NO.: 21076.21
STARTING NO.: 21076.05

SHEET

A3

SYMBOLS AND LEGEND	
FAN - DIRECT VENT TO OUTSIDE -BATHROOMS/LAUNDRY 90 CFM MIN. -KITCHEN EXHAUST HOOD TO BE MIN. OF 100CFM. IF EXHAUST HOOD EXCEEDS 400 CFM MAKE UP AIR MUST BE PROVIDED PER SECTION M1503.6.	THERMOSTAT @ 5'-0" ABOVE FLOOR
WHOLE-HOUSE FAN ON TIMER SYSTEMS TO CONFORM TO IRC, M1505.4. FAN SIZE PER PLAN. TIMER TO BE LOCATED AT THE FAN WITH A MANUAL OVERRIDE SWITCH AT THE FAN LOCATION. TIMER TO BE SET TO RUN 50% IN EACH 4-HOUR SEGMENT. FRESH AIR TO BE PROVIDED BY THE FORCED AIR SYSTEM DUCTS PER SECTION M1505.4.1.	MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEM FOR UNITS. PER DIV. 15.16 SEE SHEET A-1
R314.2.3. A HEAT DETECTOR OR HEAT ALARM RATED FOR THE AMBIENT OUTDOOR TEMPERATURES AND HUMIDITY SHALL BE INSTALLED IN NEW GARAGES THAT ARE ATTACHED TO OR LOCATED UNDER NEW AND EXISTING DWELLINGS PER SECTION R314.2.3	FURN

FLOOR PLAN KEY NOTES	
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FLOOR PLAN KEY NOTES	
P-5 EGRESS WINDOW PER I.R.C. SECTION R310 SEE DIV. 08600 SHEET A-1	P-6 IGNITERS FOR GAS FIRED APPLIANCES IN GARAGE TO BE 18" MIN. ABOVE TOP OF SLAB. SEE DIV. 15 SHEET A-1
P-7 COVER WALLS ADJACENT TO TUBS AND SHOWERS WITH NON-ABSORBENT MATERIAL TO 12" ABOVE DRAIN INLETS. PER I.R.C. SECTION 3012. SEE DIV. 09250 SHEET A-1	P-8 (2) LAYERS OF FLOOR SHEATHING OVER FRAMING.
P-9 1 3/4" MAX. RISER WITH 10" MIN. RUN, IF MORE THAN (3) RISERS, HANDRAIL REQUIRED PER I.R.C. SECTION R311.8. SEE DIV. 01022.1 SHEET A-1	P-10 36"x48" CRAWL SPACE ACCESS. INSULATE AND WEATHER STRIP. SEE DIV. 01022.1 SHEET A-1
P-11 22"x30" ATTIC SPACE ACCESS W/ 30" HEAD CLEARANCE. INSULATE AND WEATHER STRIP. SEE DIV. 01022.2 SHEET A-1	P-12 FLOOR MATERIAL BREAK LINE

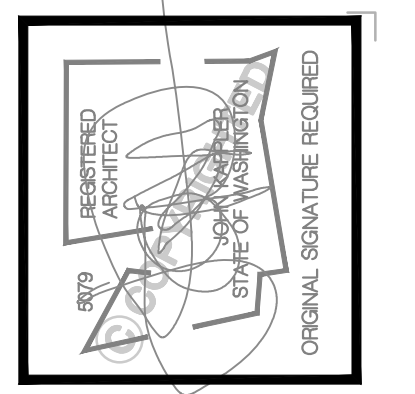
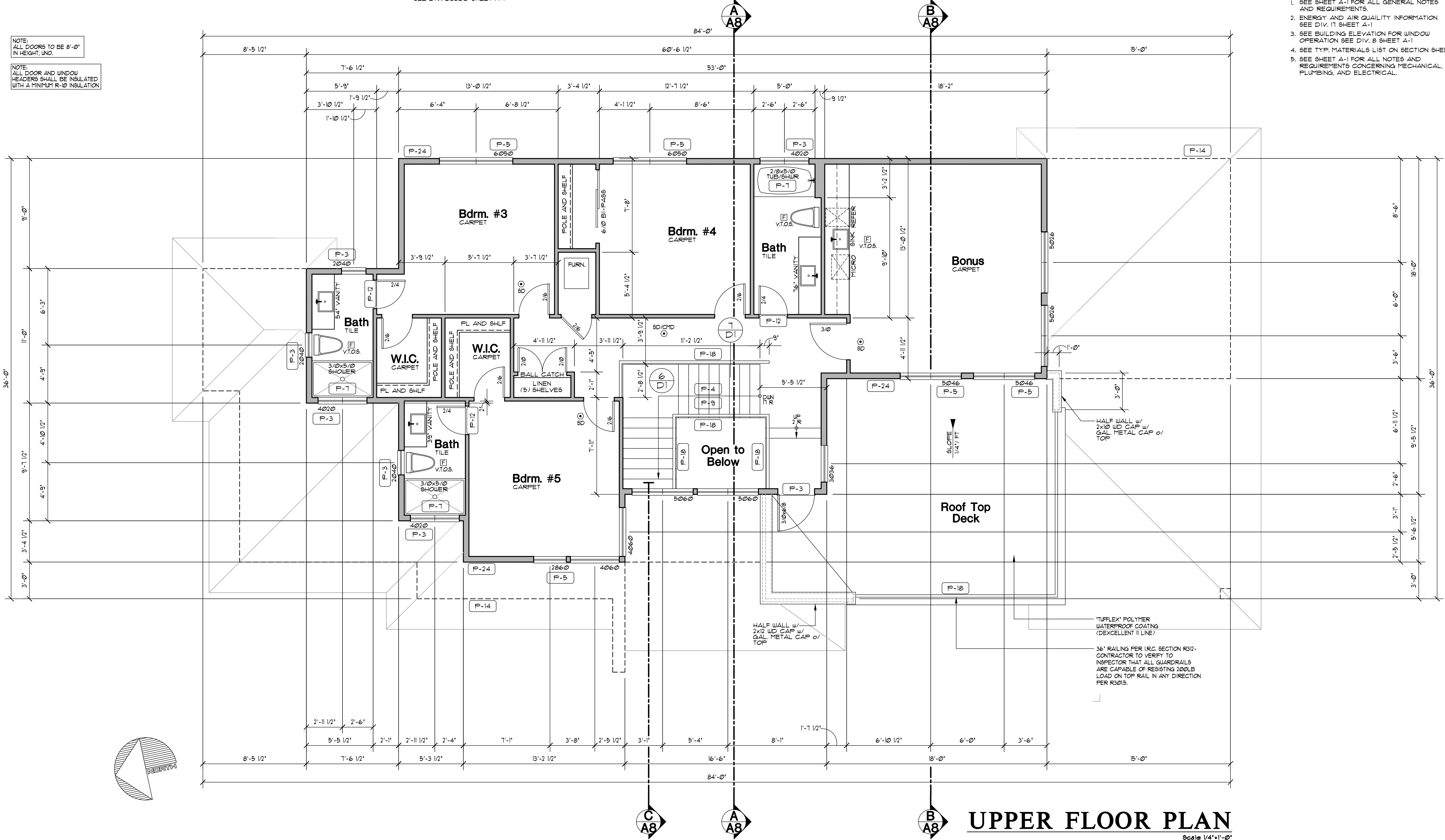
FLOOR PLAN KEY NOTES	
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FIREPLACE ASSEMBLY NOTES: A. DIRECT VENT FIREPLACES, INSTALL PER MFG. SPECIFICATIONS. SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 01022.8 SHEET A-1 B. ZERO CLEARANCE FIREPLACES SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 01022.8 SHEET A-1 C. HEARTH SHALL CONFORM TO I.R.C. REQUIREMENTS. SEE DIV. 01022.8 AND 9 SHEET A-1 D. FIRE-BLOCK OPENINGS AROUND PENETRATIONS AT EACH FLOOR PER I.R.C. SECTION R1002.13.	
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FLOOR PLAN KEY NOTES	
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P-20 PLANT SHELF	P-21 UPPER AND LOWER LINEN CABINETS
P-22 SOFFIT AREA	P-23 INTEGRATED MAKE UP AIR
P-24 2x6 STUDS W/ R-21 INSUL. MIN.	

GENERAL PLAN NOTES	
1. SEE SHEET A-1 FOR ALL GENERAL NOTES AND REQUIREMENTS.	2. ENERGY AND AIR QUALITY INFORMATION SEE DIV. 11 SHEET A-1
3. SEE BUILDING ELEVATION FOR WINDOW OPERATION SEE DIV. 8 SHEET A-1	4. SEE TYP. MATERIALS LIST ON SECTION SHEET
5. SEE SHEET A-1 FOR ALL NOTES AND REQUIREMENTS CONCERNING MECHANICAL, PLUMBING, AND ELECTRICAL.	

NOTE:
ALL DOORS TO BE 8'-0" IN HEIGHT, UNO.

NOTE:
ALL DOOR AND WINDOW HEADERS SHALL BE INSULATED WITH A MINIMUM R-10 INSULATION



Date	By	Description
10/22/21	REV	PERMIT SET
8/17/23	REV	JURISDICTIONAL COMMENTS
8/25/23	REV	JURISDICTIONAL COMMENTS
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STARTING NO.: 21076.05

SHEET
A4

UPPER FLOOR PLAN
 Scale 1/4"=1'-0"

A ROOF VENT CALCULATION

TOTAL ROOF AREA	1433 SF / 150	=	9.55 SF OF VENT AREA REQ
4 ROOF JACKS AT 38 SQ. IN. EACH	=	152 SQ. IN.	= 105 SF
197 L.F. OF EAWE VENTS AT 6.6 SQ. IN./L.F.	=	1300 SQ. IN.	= 9 SF
TOTAL SF OF VENTILATION PROVIDED		=	131 SF

B ROOF VENT CALCULATION

TOTAL ROOF AREA	325 SF / 150	=	2.16 SF OF VENT AREA REQ
0.00 ROOF JACKS AT 38 SQ. IN. EACH	=	0.00 SQ. IN.	= 0.00 SF
74 L.F. OF EAWE VENTS AT 6.6 SQ. IN./L.F.	=	488 SQ. IN.	= 339 SF
TOTAL SF OF VENTILATION PROVIDED		=	339 SF

C ROOF VENT CALCULATION

TOTAL ROOF AREA	540 SF / 150	=	3.6 SF OF VENT AREA REQ
2 ROOF JACKS AT 38 SQ. IN. EACH	=	76 SQ. IN.	= 53 SF
72 L.F. OF EAWE VENTS AT 6.6 SQ. IN./L.F.	=	475 SQ. IN.	= 33 SF
TOTAL SF OF VENTILATION PROVIDED		=	383 SF

D ROOF VENT CALCULATION

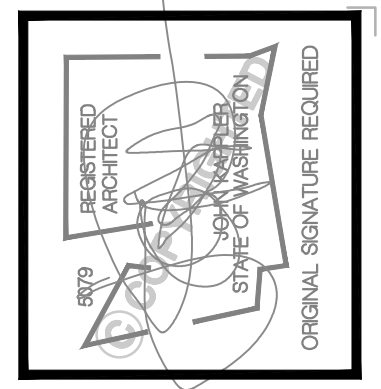
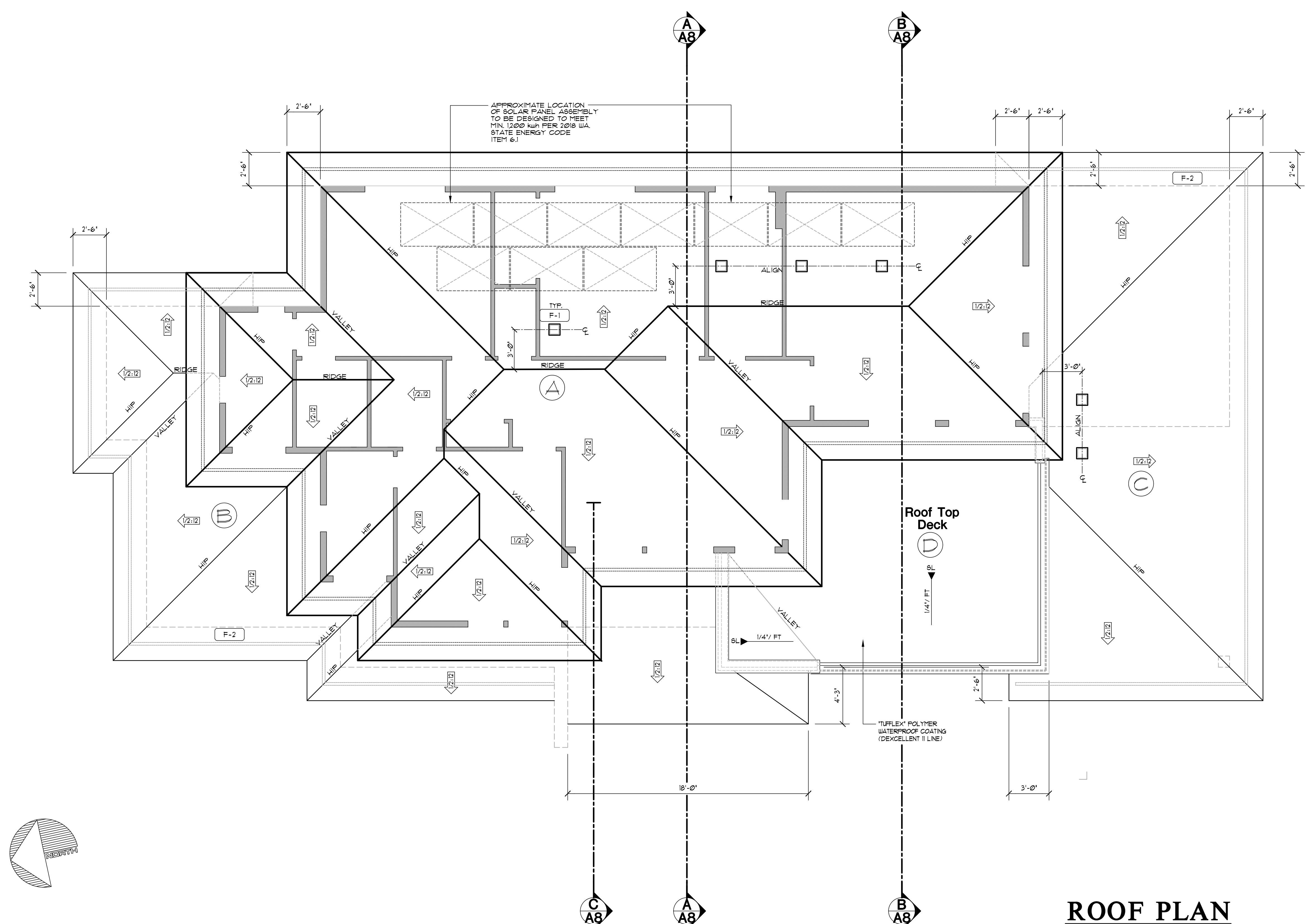
TOTAL ROOF AREA	83 SF / 150	=	.55 SF OF VENT AREA REQ
0.00 ROOF JACKS AT 38 SQ. IN. EACH	=	0.00 SQ. IN.	= 0.00 SF
33 L.F. OF EAWE VENTS AT 3.3 SQ. IN./L.F.	=	108 SQ. IN.	= .76 SF
TOTAL SF OF VENTILATION PROVIDED		=	.31 SF

GENERAL PLAN NOTES

- SEE SHEET A-1 FOR ALL GENERAL NOTES AND REQUIREMENTS.
- ENERGY AND AIR QUALITY INFORMATION SEE DIV. IT SHEET A-1
- SEE BUILDING ELEVATION FOR WINDOW OPERATION SEE DIV. B SHEET A-1
- SEE TYP. MATERIALS LIST ON SECTION SHEET
- SEE SHEET A-1 FOR ALL NOTES AND REQUIREMENTS CONCERNING MECHANICAL, PLUMBING, AND ELECTRICAL.

ROOF PLAN KEY NOTES

- F-1 ATTIC SPACE VENT SEE CALCULATION SEE DIV. 01007.3.B SHEET A-1
- F-2 WALL LINE BELOW



Date	By	Description
10/12/22	REY	PERMIT SET
8/17/23	REY	JURISDICTIONAL COMMENTS
8/25/23	REY	JURISDICTIONAL COMMENTS
10/5/23	REY	JURISDICTIONAL COMMENTS
10/27/23	REY	JURISDICTIONAL COMMENTS-CLOUED

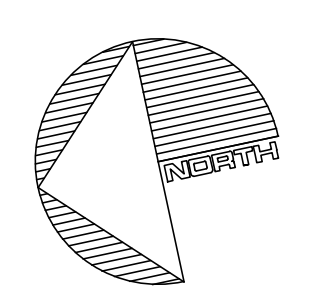
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SHEET
A5

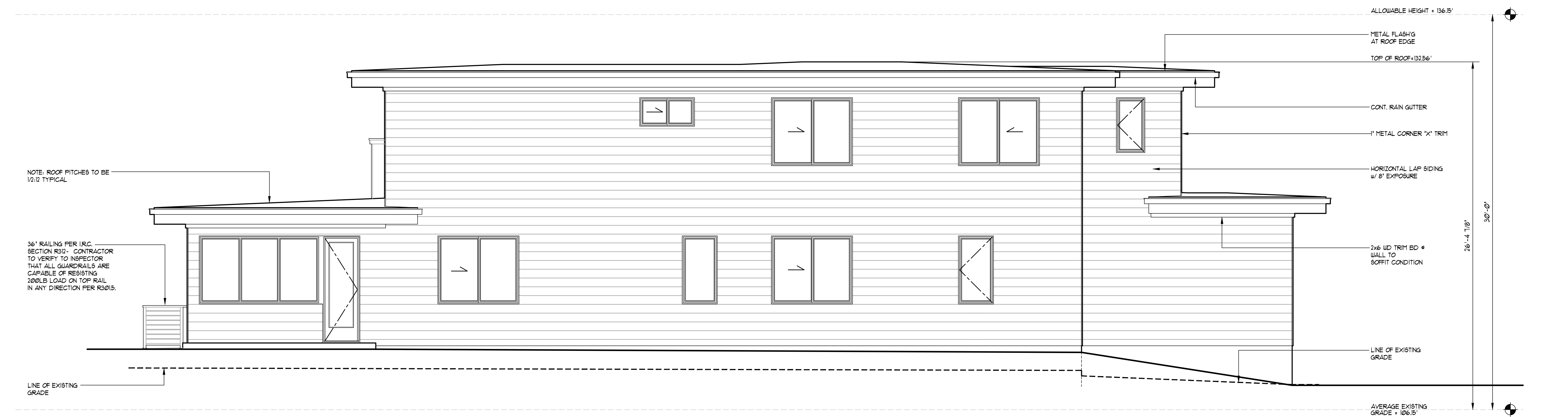
ROOF PLAN
 SCALE 1/4"=1'-0"





FRONT ELEVATION

Scale 1/4"=1'-0"



REAR ELEVATION

Scale 1/4"=1'-0"

TYPICAL BUILDING MATERIALS

ROOF CONSTRUCTION

ROOFING: (DIV. 7)
BUILDING PAPER: (DIV. 7)
SHEATHING: (DIV. 6)
FRAMING: (DIV. 6)
INSULATION: (DIV. 7)
SOFFIT: (DIV. 7)
GWB: (DIV. 9)

SHINGLES (DIV. 01000.5)
3/4" BUILDING PAPER
7/16" O.S.B. OR EQUAL
PER PLAN
R-49 BLOWN-IN
1/2" RE-SAWN PLYWOOD
5/8" GWB

EXTERIOR WALL CONSTRUCTION

SIDING MATERIAL: (DIV. 7)
BUILDING WRAP: (DIV. 7)
SHEATHING: (DIV. 6)
FRAMING: (DIV. 6)
INSULATION: (DIV. 7)
GWB: (DIV. 9)

WOOD SIDING (DIV. 01000.5)
1/2" BUILDING PAPER
1/2" CDX PLYWOOD OR EQUAL
2 X 6 STUDS AT 16" OC
R-21 BATT W/ INTEGRAL
VAPOR BARRIER
1/2" GWB

FLOOR CONSTRUCTION

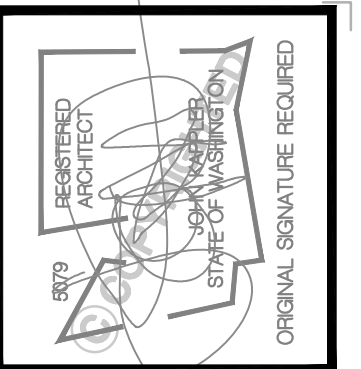
FLOORING: (DIV. 9)
SUBFLOOR: (DIV. 6)
FRAMING: (DIV. 6)
INSULATION: (DIV. 7)
SOFFIT: (DIV. 7)

FINISH PER PLANS (DIV. 01000.5)
3/4" TAG (PLYWD, COMPLY, OR BQ)
PER PLANS
R-30 BATT
1/2" RE-SAWN PLYWOOD

TRIM:(DIV. 6)

WINDOW:
(WITH NO BRICK MOLD)
CORNER BOARDS:
FASCIA:

HEAD: N/A
JAMB: N/A
SILL: N/A
INSIDE: 2x2
OUTSIDE: METAL 7x
2x8 UNO



Date	By	Description
07/02/22	REV	PERMIT SET
07/02/22	REV	JURISDICTIONAL COMMENTS
02/22/23	REV	JURISDICTIONAL COMMENTS
02/22/23	REV	JURISDICTIONAL COMMENTS
11/27/23	REV	JURISDICTIONAL COMMENTS-CLOSED

Buchan Homes
Westview Plan
Permit no. 2210-120
Mercer Island, WA
3036 67th Ave SE
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TITLE	
JOB NO.:	21076.21
STARTING NO.:	21076.05

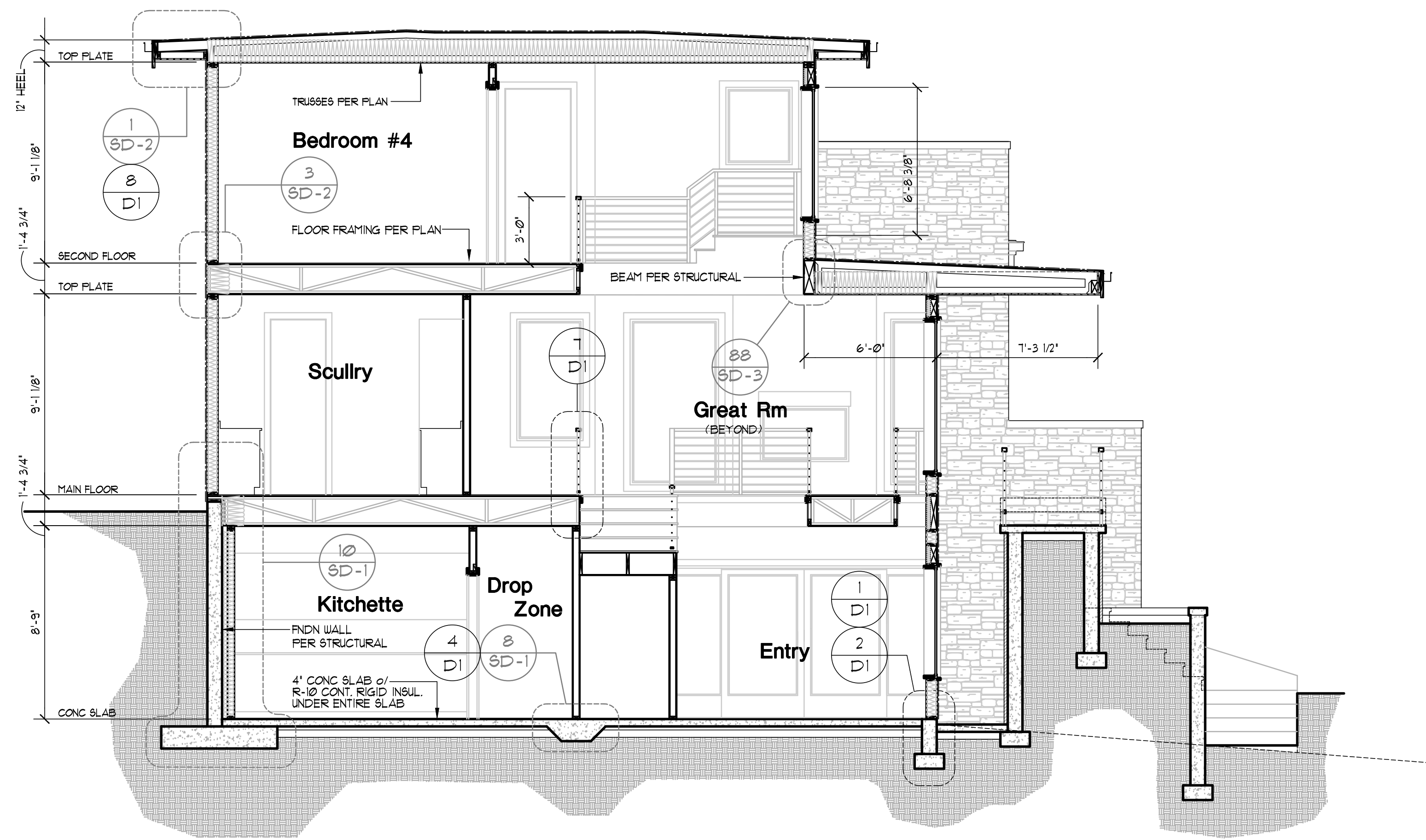
SHEET
A6

2018 Energy Credits

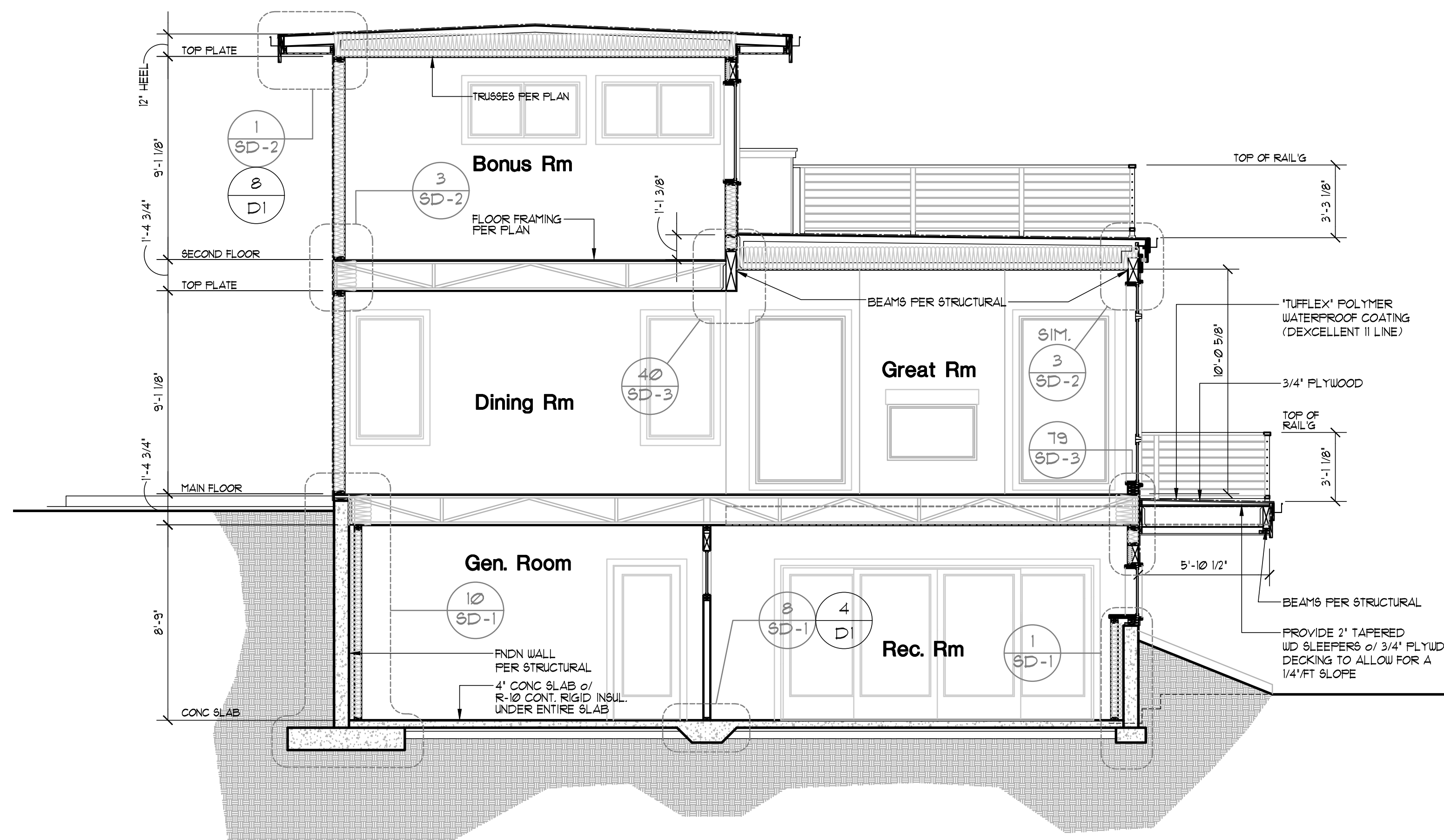
Glazing Schedule

Window, Skylight and Door Schedule		Component		Width		Height		Area		UA	
Ref.	U-Factor	Q _F	Feet	Feet	Feet	Feet	Sq. Feet	Sq. Feet	Sq. Feet	Sq. Feet	UA
Exempt Single Door (4 sq. ft. max.)			1	4	8	8	24	8	24	8	0.25
Exempt Glazed Fenestration (15 sq. ft. max.)			1	5	8	8	15	0	15	0	0.25

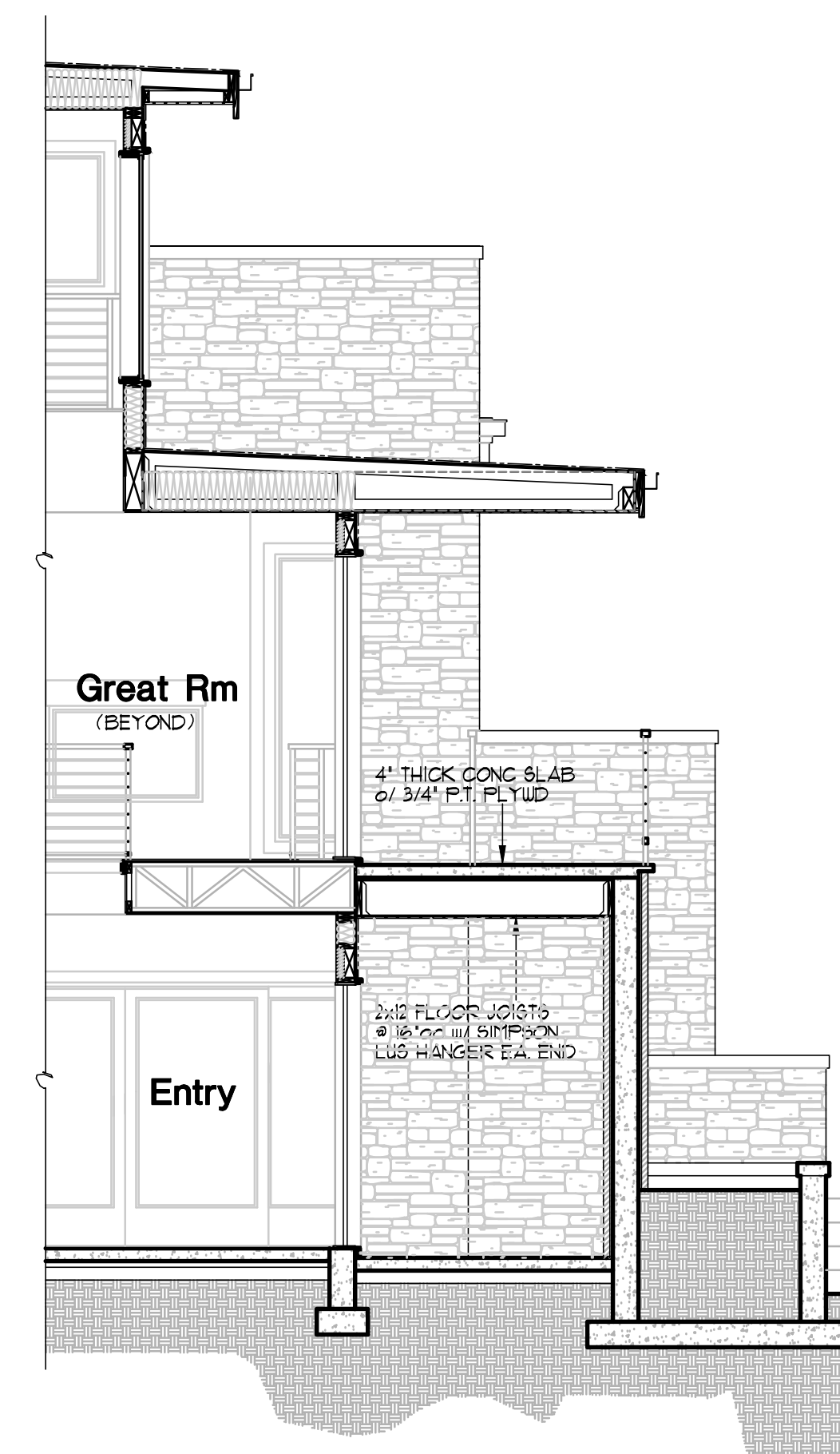
Vertical Fenestration (Windows and doors)		Component		Width		Height		Area		UA	
Ref.	U-Factor	Q _F	Feet	Feet	Feet	Feet	Sq. Feet	Sq. Feet	Sq. Feet	Sq. Feet	UA
Rec. Room	Mag. 0.28	1	14	7	8	8	30.0	0	30.0	0	8.40
Entry (Lower)	Mag. 0.28	1	4	7	8	8	28.0	0	28.0	0	7.84
Entry (Upper)	Mag. 0.28	1	3	7	8	8	24.0	0	24.0	0	6.72
Entry (Main)	Mag. 0.28	1	3	7	8	8	24.0	0	24.0	0	6.72
Owners Bedroom	Mag. 0.28	1	8	7	8	8	48.0	0	48.0	0	13.44
Owners Bedroom	Mag. 0.28	1	7	7	8	8	39.2	0	39.2	0	10.98
Owners Bedroom	Mag. 0.28	1	2	4	8	8	6.7	0	6.7	0	1.91
Owners Bedroom	Mag. 0.28	1	2	4	8	8	6.7	0	6.7	0	1.91
Owners Bedroom	Mag. 0.28	1	2	4	8	8	6.7	0	6.7	0	1.91
Owners Bedroom	Mag. 0.28	1	2	4	8	8	6.7	0	6.7	0	1.91
Owners Bedroom	Mag. 0.28	1	2	4	8	8	6.7	0	6.7	0	1.91
Office	Mag. 0.28	1	6	5	8	8	24.0	0	24.0	0	6.72
Scullery	Mag. 0.28	1	2	5	8	8	10.0	0	10.0	0	2.80
Kitchen	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Dining	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Dining	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Dining	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Dining	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Creat. Rm.	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Creat. Rm.	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Creat. Rm.	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Creat. Rm.	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Open to Below	Mag. 0.28	1	3	4	8	8	10.0	0	10.0	0	2.80
Open to Below	Mag. 0.28	1	3	4	8	8	10.0	0	10.0	0	2.80
Open to Below	Mag. 0.28	1	3	4	8	8	10.0	0	10.0	0	2.80
Bedroom #1	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #2	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #3	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #4	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #5	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #6	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #7	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #8	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #9	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #10	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #11	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #12	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #13	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #14	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #15	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #16	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #17	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #18	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #19	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #20	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #21	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #22	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #23	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #24	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #25	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #26	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #27	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #28	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #29	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #30	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #31	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #32	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #33	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #34	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #35	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #36	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #37	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #38	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #39	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #40	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #41	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #42	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #43	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #44	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #45	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #46	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #47	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #48	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #49	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #50	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #51	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #52	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #53	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #54	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #55	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #56	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #57	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #58	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #59	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #60	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #61	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #62	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #63	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #64	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #65	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #66	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #67	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #68	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #69	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #70	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #71	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #72	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #73	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #74	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #75	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #76	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #77	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #78	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #79	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12
Bedroom #80	Mag. 0.28	1	12	7	8	8	54.0	0	54.0	0	15.12



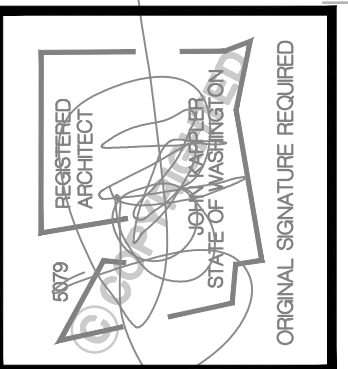
BUILDING SECTION A-A
Scale 1/4"=1'-0"



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



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



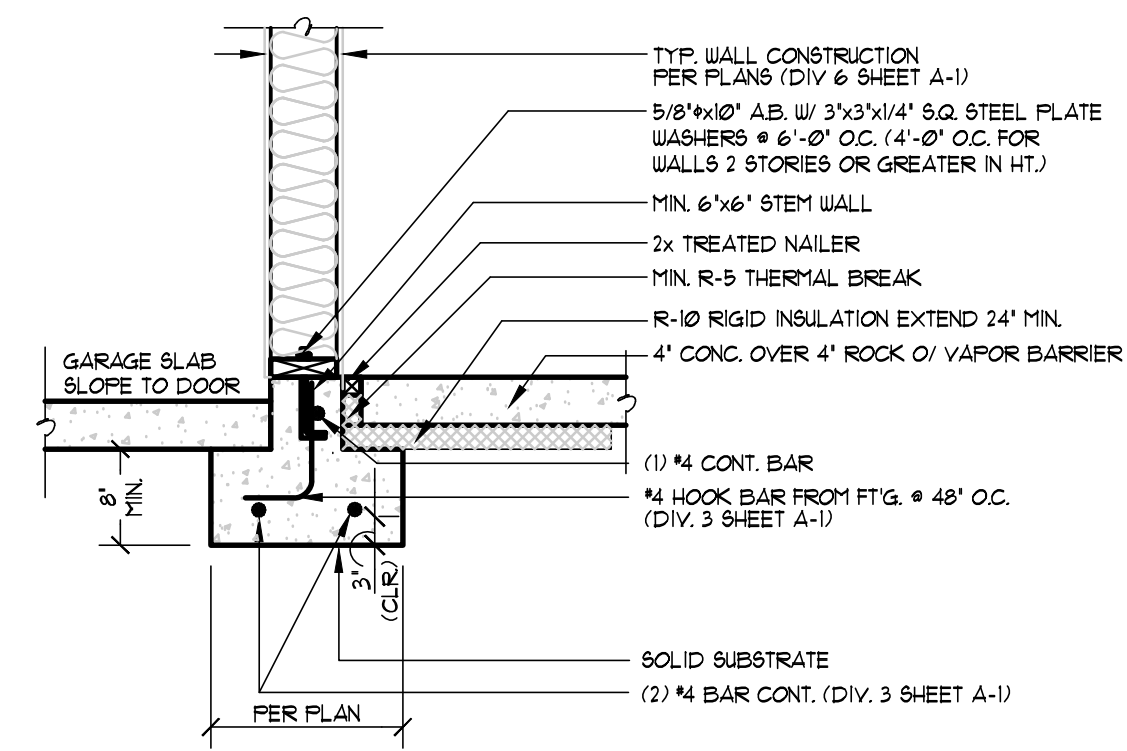
Date	By	Description
01/12/22	REV	PERMIT SET
01/12/22	REV	JURISDICTIONAL COMMENTS
02/25/23	REV	JURISDICTIONAL COMMENTS
02/25/23	REV	JURISDICTIONAL COMMENTS
11/27/23	REV	JURISDICTIONAL COMMENTS-CLOSED

Buchan Homes
Westview Plan
Permit no. 2210-120
Mercer Island, WA
3036 67th Ave SE
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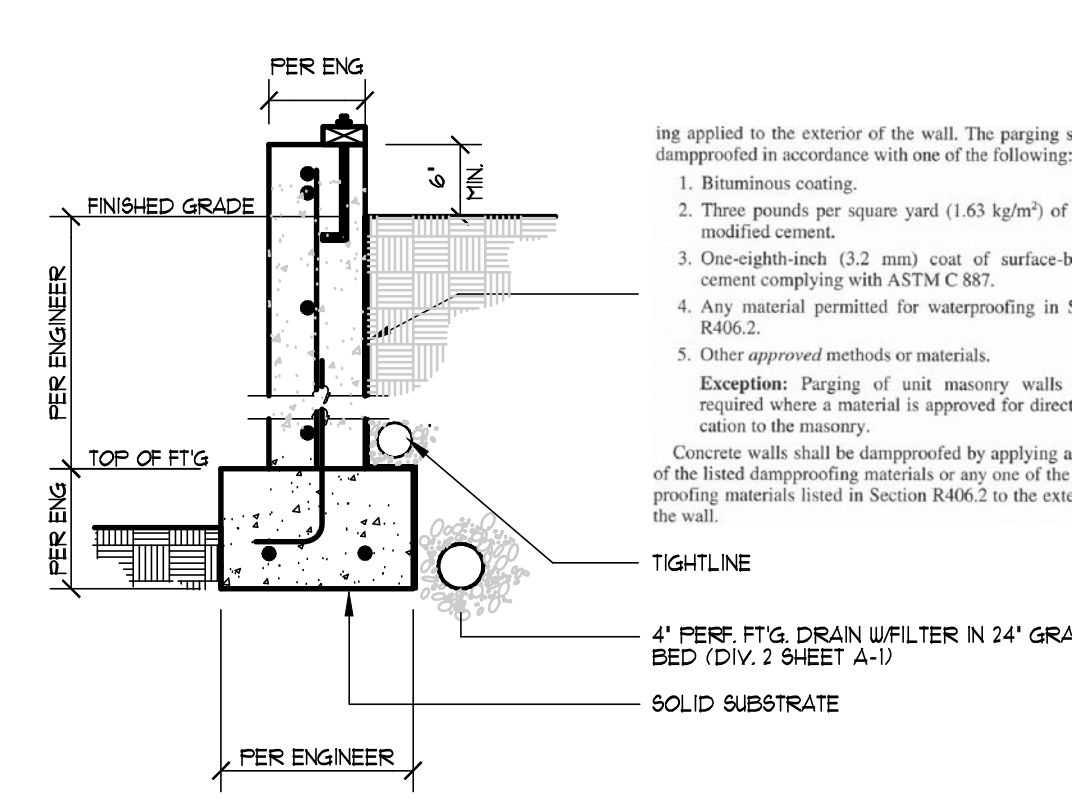
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TITLE	
JOB NO.:	21076.21
STARTING NO.:	21076.05

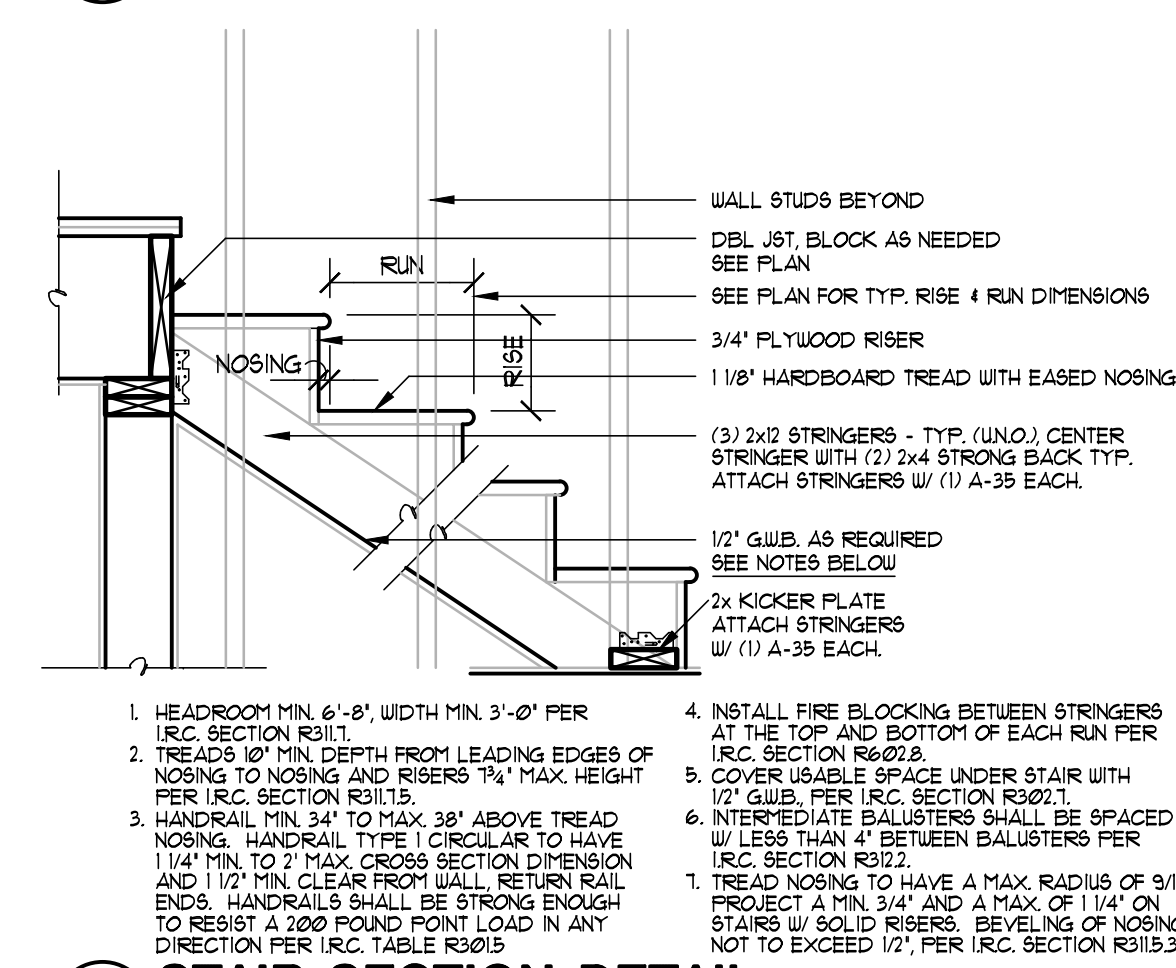
SHEET
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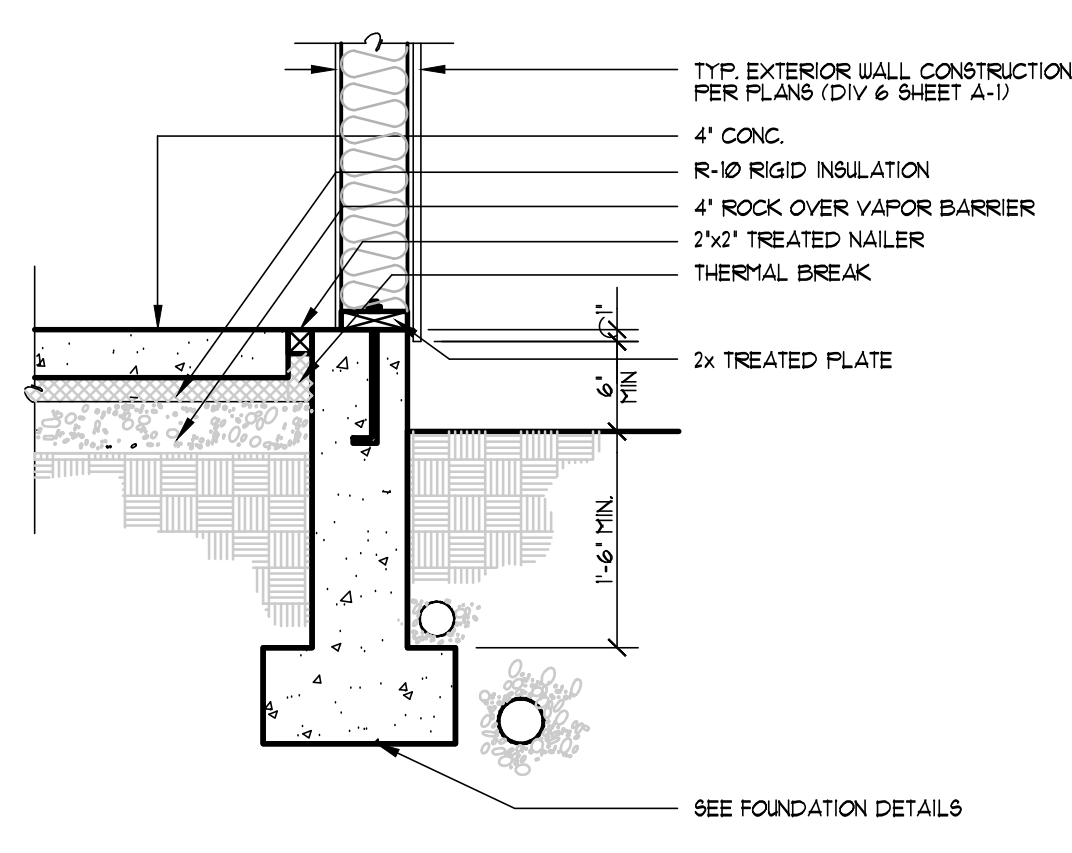
5 FOUNDATION DETAIL
3/4"=1'-0" 08300-00000-78



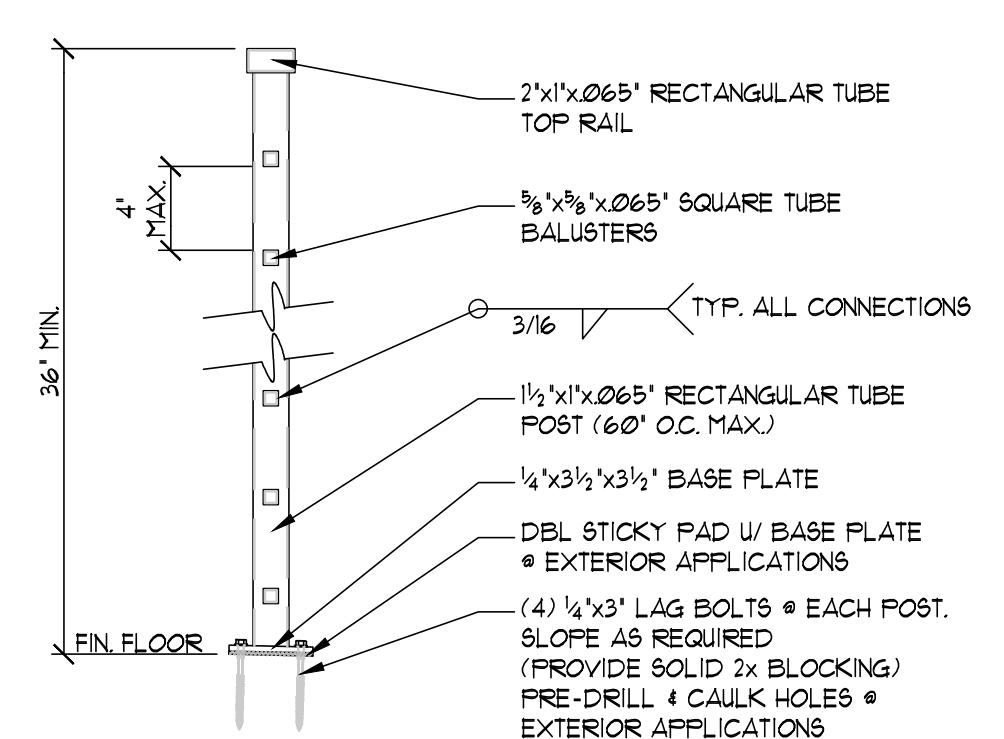
1 DAMP PROOFING DETAIL
3/4"=1'-0" 08300-0710



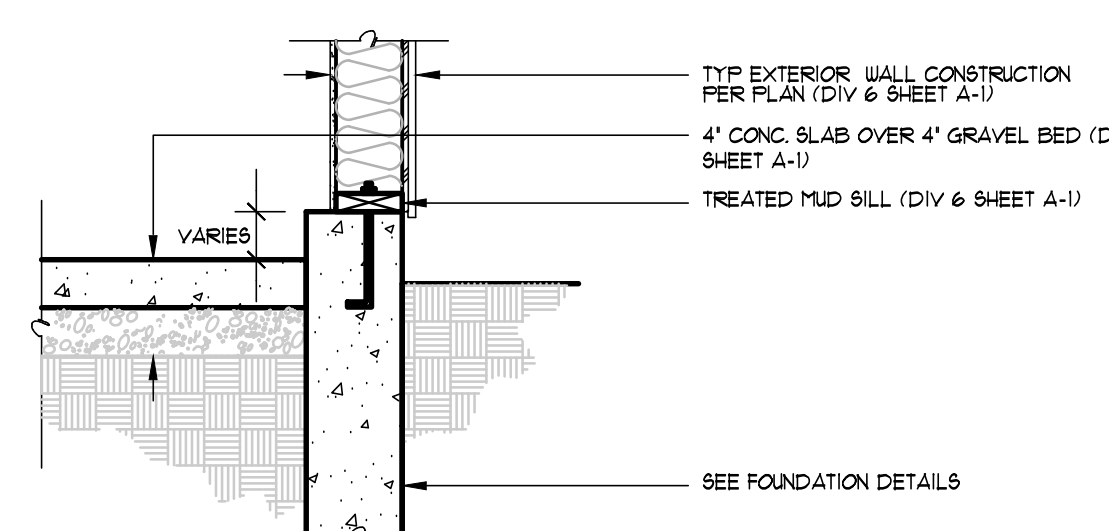
6 STAIR SECTION DETAIL
3/4"=1'-0" 08200-09100-01



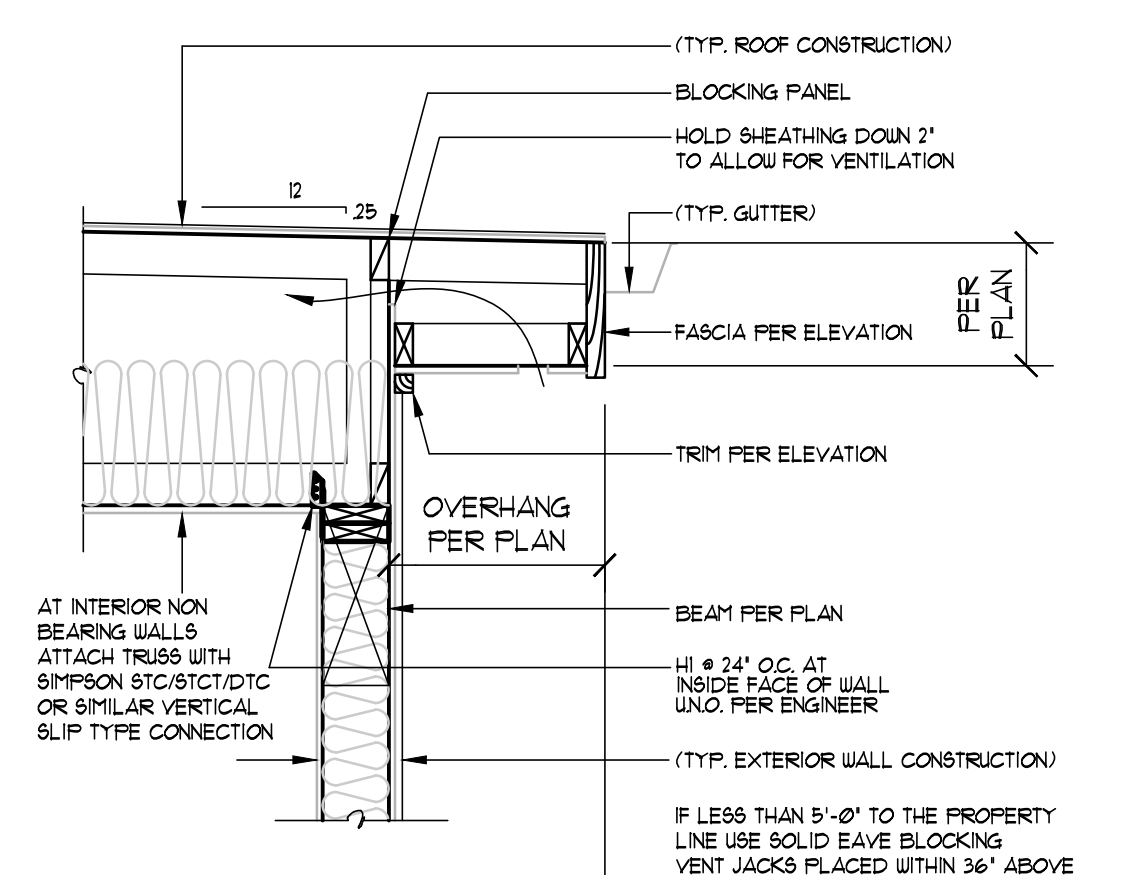
2 FOUNDATION DETAIL
3/4"=1'-0" 08300-00001



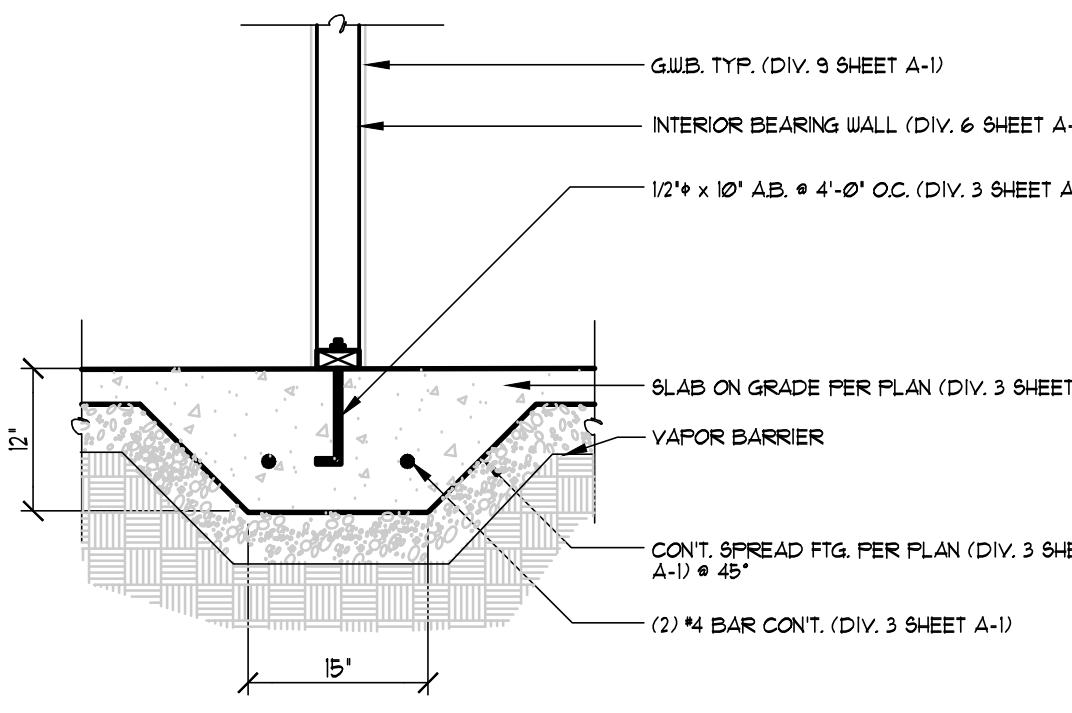
7 STANDARD RAIL DETAIL
1 1/2"=1'-0" 08100-05300



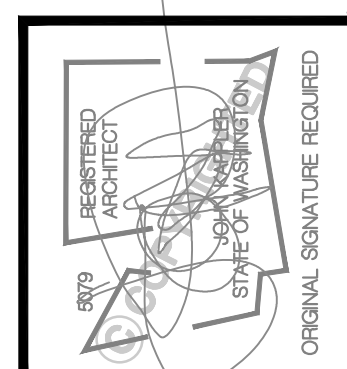
3 SLAB & STEM WALL
3/4"=1'-0" 08100-05300



8 EAVE DETAIL
3/4"=1'-0" 08100-07300-35



4 FOUNDATION/FRAMING CONNECTION
3/4"=1'-0" 08300-0610



Date	By	Description
10/12/22	REY.	PERMIT SET
8/17/23	REY.	JURISDICTIONAL COMMENTS
8/25/23	REY.	JURISDICTIONAL COMMENTS
10/5/23	REY.	JURISDICTIONAL COMMENTS
12/2/23	REY.	JURISDICTIONAL COMMENTS-CLOUDED

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www.kapellbuchanplans.com

TITLE
JOB NO.: 2107621
STARTING NO.: 2107605

SHEET
D1

FILE STRUCTURAL NOTES
GRADE BEAM ON PIPE PILING:
<ul style="list-style-type: none"> PILES SHALL BE INSTALLED TO SUPPORT DESIGN LOAD OF 6 TONS/PILE MINIMUM FOR 3" DIA. PILES AND 10 TONS/PILE MINIMUM FOR 4" DIA. PILES (SAFE LOAD). PILING CONTRACTOR SHALL DETERMINE BY TEST PILE, THE LENGTH AND DIMENSIONS OF THE PILING REQUIRED TO REACH DESIGN LOAD CAPACITY IN ACCORDANCE WITH ASTM D143-81, - 3" MIN. DIA., SCHEDULE 40, GALVANIZED, ASTM A-53 GRADE "A" PIPE PILES PILES SHALL BE DRIVEN TO REFUSAL (10' MINIMUM DEPTH) WITH A TRACTOR-MOUNTED HYDRAULIC HAMMER WITH AN ENERGY RATING OF 650 LB AND TO REFUSAL OF LESS THAN ONE INCH DURING 12 SECONDS OF CONTINUOUS DRIVING. GEOTECH TO COORDINATE DRIVING CRITERIA IF ALTERNATIVE HAMMER SIZE IS SELECTED BY THE CONTRACTOR. PILES SHALL BE DRIVEN IN NOMINAL SECTIONS AND CONNECTED WITH COMPRESSION FITTED COUPLERS. DO NOT WELD PIPE JOINTS TOGETHER. GEOTECH OF RECORD OR HIS/HER REPRESENTATIVE SHALL BE PRESENT TO OBSERVE PIN PILE INSTALLATION & LOAD TEST. PER ASTM 1143-81, 3% OF EACH PILE DIAMETER SIZE SHALL BE LOAD TESTED. A MAXIMUM OF 5 PILES (1 MINIMUM) WILL BE REQUIRED FOR EACH PILE DIAMETER SIZE.

PORCH SLAB
4" CONC. SLAB ON GRADE ON 8 MIL VAPOR BARRIER ON 4" MIN. GRANULAR FILL ON 95% COMPACTED FILL/VIRGIN SOIL
GARAGE SLAB
4" CONC. SLAB ON GRADE ON 4" MIN. GRANULAR FILL ON 95% COMPACTED FILL/VIRGIN SOIL
BASEMENT SLAB
4" CONC. SLAB ON GRADE ON 8 MIL VAPOR BARRIER ON 4" MIN. GRANULAR FILL ON 95% COMPACTED FILL/VIRGIN SOIL

GENERAL STRUCTURAL NOTES
FOUNDATION
<ul style="list-style-type: none"> DESIGN IS BASED ON 2018 INTERNATIONAL RESIDENTIAL CODE & 2018 INTERNATIONAL BUILDING CODE FOUNDATIONS HAS BEEN DESIGNED BASED ON GEOTECH REPORT PROVIDED BY KERR ASSOCIATES, INC., DATED AUGUST 18, 2022, REVISED NOVEMBER 21, 2023.
DESIGN LOADS
<ul style="list-style-type: none"> SOIL: 2,000 PSF ALLOWABLE BEARING PRESSURE CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS IN 28 DAYS, UNO. <ul style="list-style-type: none"> F_c = 2500 psi: FOUNDATION WALLS* 2500 psi: FOOTINGS* 2500 psi: INTERIOR SLABS ON GRADE 3500 psi: EXT. SLABS ON GRADE f_y = 60,000 psi * UTILIZE 95% SACKS 2500 PSI CONCRETE MIXES THAT ARE EQUIVALENT TO 3000 PSI CONCRETE FOR WEATHERING POTENTIAL. ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 7% AIR ENTRAINMENT. TYPICAL REINFORCEMENT DETAILS: LAP ALL REBAR 24" MIN; BEND BARS AND LAP AT CORNERS; PROVIDE 6" HOOK INTO SUPPORTING FOOTINGS WHEN FOOTINGS INTERSECT; PROVIDE 3" MINIMUM COVER AT THE BOTTOM BARS AND 1 1/2" COVER AT THE SIDES. FOUNDATION WALLS SHALL BE BRACED, PRIOR TO BACKFILLING, BY EITHER ADEQUATE TEMPORARY BRACING OR INSTALLATION OF FIRST FLOOR DECK. ALL FOOTINGS SHALL BEAR BELOW FROST LINE. CONSULT SOILS REPORT/ LOCAL MUNICIPALITY FOR MINIMUM DEPTH BELOW GRADE. FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL. PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP. (15'-0" O.C.) FASTEN SILL PLATES TO FOUNDATION WALLS WITH 3/8" DIA. ANCHOR BOLTS W/ MIN. 3"x3"x1/2" PLATE WASHERS. EDGE OF WASHER TO BE LOCATED WITHIN 1/2" OF EXTERIOR EDGE OF SILL PLATE & NUTS @ 6'-0" O.C. @ 2-STORY & 4'-0" O.C. @ 3-STORY CONDITIONS W/ 7" MIN. EMBEDMENT INTO CONC. PROVIDE A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAXIMUM FROM PLATE ENDS, UNO. (SEE FND. DETAIL.) ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ CONCRETE OR MASONRY FOUNDATION SHALL BE PRESERVATIVE-TREATED. HEM FIR #2. BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORDINATE. ARCH/BUILDER TO VERIFY ALL DIMENSIONS.

HOLD-DOWN SCHEDULE	
SYMBOL	SPECIFICATION
▶ HD-1	SIMPSON STDH14 (RJ) HOLD-DOWN
▶ HD-5	SIMPSON CS16 STRAP TIE (14" END LENGTH)
▶ HD-6	SIMPSON MSTC40 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UNO.)
▶ HD-7	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM UNO.)

MEANS & METHODS NOTES
<p>THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUTS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.</p> <p>STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO, FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.</p>

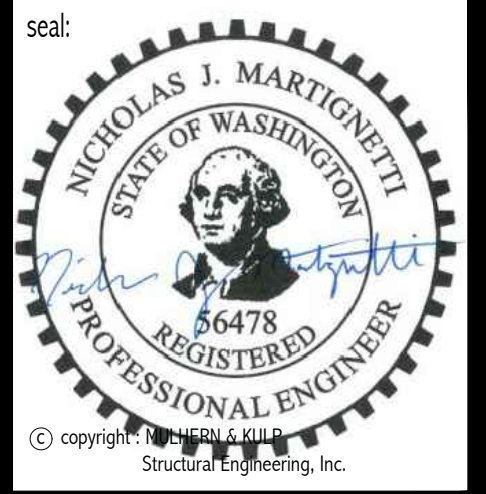
ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER
<p>ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DIFFERENTIAL DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN. MULHERN + KULP CANNOT BE HELD RESPONSIBLE FOR ANY STRUCTURAL ISSUES RELATED TO ANY BUILDING COMPONENT IF COMPONENT SHOP DRAWINGS ARE NOT SUBMITTED TO MKK FOR REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.</p> <p>TRUSSES SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES OR GIRDER TRUSSES DOES NOT EXCEED THE FOLLOWING:</p> <p>A. FLOOR TRUSSES: 1/4" DEAD LOAD B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS: 1/8" DEAD LOAD C. FLOOR TRUSSES & ATTIC TRUSSES ADJACENT TO FLOOR FRAMING BY OTHERS: LIMIT ABSOLUTE TRUSS DEFLECTION TO 3/16" DEAD LOAD, (NOT DIFFERENTIAL DEFLECTION)</p>

LOADING AND DESIGN PARAMETERS	
GRAVITY DESIGN LOADS:	
DEAD LOAD (PSF):	
ROOF TRUSS TOP CHORD	10
ROOF TRUSS BOTTOM CHORD	15
FLOOR TRUSSES:	15
FLOOR (SOLID SAWN):	10
LIVE LOAD (PSF):	
ROOF:	20
RESIDENTIAL LIVING AREAS:	40
RESIDENTIAL SLEEPING AREAS:	30
BALCONY LIVE:	60
SNOW LOAD:	
GROUND SNOW LOAD (P _g) (PSF):	25
FLAT ROOF SNOW LOAD (P _f) (PSF):	25
SNOW EXPOSURE FACTOR (C _e):	0.8
SNOW LOAD IMPORTANCE FACTOR (I):	1.0
THERMAL FACTOR (C _t):	1.2
LATERAL DESIGN LOADS:	
WIND LOAD: (IBC 1609)	
SPEED (V) (MPH):	100
WIND RISK CATEGORY:	II
IMPORTANCE FACTOR (I _w):	1.0
EXPOSURE CATEGORY:	C
INTERNAL PRESSURE COEFF. (IG _w):	±0.18
TOPOGRAPHIC FACTOR (K _z):	1.0
SEISMIC LOAD: (IBC 1618)	
SEISMIC RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR (I _s):	1.0
MAPPED SPECTRAL RESPONSE:	
S _e 1.401	S _e 0.440
SITE CLASS:	D
SPECTRAL RESPONSE COEFF.: (S _s)	0.438
SEISMIC DESIGN CATEGORY:	D
BASIC SEISMIC-FORCE-RESISTING SYS:	
LIGHT FRAMED WALLS	
WOOD STRUCTURAL PANELS	
DESIGN BASE SHEAR (ULT):	
TRANS: 23k	LONG: 23k
SEISMIC RESPONSE COEFF. (C _d) (ADDITION):	
TRANS: 0.144	LONG: 0.144
RESPONSE MODIFICATION FACTOR (R):	
TRANS: 6.5	LONG: 6.5
ANALYSIS PROCEDURE USED:	
EQUIVALENT LATERAL FORCE	

LATERAL BRACING NOTES
THIS HOME HAS BEEN ENGINEERED TO RESIST LATERAL FORCES RESULTING FROM: 100 MPH WIND SPEED, EXP. C (ASCE 7-16 WIND MAP, PER IRC R301.2.1.1) RISK CAT. 2 & SEISMIC CAT. D2.
110 MPH WIND IN 2018 IRC MAP
ENGINEERED DESIGN WAS COMPLETED PER 2018 IBC (SECTION 1609 & 1613) & ASCE 7-16, AS PERMITTED BY R301.3 OF THE 2018 IRC. ACCORDINGLY, THIS HOME, AS DOCUMENTED AND DETAILED HEREIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES, AND DOES NOT NEED TO CONFORM TO THE PRESCRIPTIVE PROVISIONS OF R602.10.
STANDARD EXTERIOR WALL SHEATHING SPECIFICATIONS
(INTERIOR WALL SPECIFICATION WHERE NOTED ON PLANS)
<ul style="list-style-type: none"> 3/16" OSB OR 1/2" PLYWOOD: <p>FASTEN SHEATHING W/ 2 1/2"x0.131" NAILS @ 6" O.C. AT ALL SUPPORTED PANEL EDGES AND 12" O.C. IN THE PANEL FIELD. ALL SHEATHING SHEET PANEL EDGES SHALL OCCUR OVER WALL FRAMING MEMBERS OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT PANEL EDGE. ALL EXTERIOR WALLS SHALL BE CONSTRUCTED PER THIS SPECIFICATION UNO. ON PLANS.</p>
3" O.C. EDGE NAILING
(WHERE NOTED ON PLANS)
<ul style="list-style-type: none"> 3/16" OSB OR 1/2" PLYWOOD: <p>ONLY AT LOCATIONS INDICATED ON PLANS - SHEATH WALL SHOWN WITH 3/16" OSB. FASTEN SHEATHING W/ 2 1/2"x0.131" NAILS @ 3" O.C. AT EDGES AND 12" O.C. AT CENTER. ALL SHEATHING SHEET PANEL EDGES SHALL OCCUR OVER WALL FRAMING MEMBERS OR 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT PANEL EDGE AND 3" O.C. FASTENING.</p>
NOTES:
<ol style="list-style-type: none"> LATERAL ANALYSIS ASSUMES STUD SPACING @ 16" O.C. ALL SHEAR WALLS SHALL HAVE DOUBLE TOP PLATES FASTENED TOGETHER W/ 3"x0.131" NAILS @ 8" O.C. USE (2) 3/8"x0.131" NAILS AT EACH LAP SPlice. (6) EACH SIDE OF JOINT (TYP. UNO.) ALL EXTERIOR WALLS ARE CONTINUOUSLY SHEATHED. ALL INTERIOR SHEAR WALLS AND EXTERIOR WALLS ARE SHEATHED ABOVE AND BELOW OPENINGS.

LEGEND
<ul style="list-style-type: none"> ▬ INTERIOR BEARING WALL ▬ BEARING WALL ABOVE (B/A), OR SHEARWALL ABOVE (S/A) ▬ BEAM / HEADER ▬ INTERIOR SHEAR WALL PANEL OR EXTERIOR SHEAR WALL W/ 3" O.C. EDGE NAILING • INDICATES AREA OF ROOF OVERFRAMING JL METAL HANGER * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE. ▶ INDICATES HOLD-DOWN. • INDICATES PIPE PILE

GENERAL STRUCTURAL NOTES
DESIGN PARAMETERS
<ul style="list-style-type: none"> DESIGN IS BASED ON 2018 INTERNATIONAL RESIDENTIAL CODE & 2018 INTERNATIONAL BUILDING CODE WOOD FRAME ENGINEERING IS BASED ON NDS, NATIONAL CODE SPECIFICATION FOR WOOD CONSTRUCTION - LATEST EDITION.
GENERAL FRAMING
<ul style="list-style-type: none"> EXTERIOR BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. (W/ DOUBLE TOP PLATE) HEM FIR (HF) "STUD" GRADE LUMBER, OR BETTER, UNO. INTERIOR BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. (W/ DOUBLE TOP PLATE) HEM FIR (HF) "STUD" GRADE LUMBER, OR BETTER, UNO. ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x "STUD" GRADE MEMBERS SPACED @ 24" O.C. (MAX.) ALL WALLS TALLER THEN TYP. PLATE HEIGHT SHALL BE CONSIDERED BALCON FRAMED & SHALL BE CONSTRUCTED FROM FLOOR TO UNDERFLOOR OF FRAMING AT NEXT LEVEL. HF WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) HEM FIR (HF) "STUD" GRADE LUMBER, OR BETTER. ALL HEADERS SHALL BE SUPPORTED BY (1)2x JACK STUD & (1)2x KING STUD, MINIMUM. <ul style="list-style-type: none"> THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, UNO. MULTI-PLY POSTS SHALL BE 2x4 OR 2x6 DOUGLAS FIR (DF) "STUD" GRADE LUMBER, OR BETTER, UNO. & SOLID WOOD COLUMN SHALL BE HEM FIR (HF) #2 GRADE LUMBER, OR BETTER, UNO. ALL 2x6 AND LARGER SOLID SAWN BEAMS/HEADERS SHALL BE HEM FIR #2 (HF #2) OR BETTER. ALL 4x6 AND LARGER SOLID SAWN LUMBER SHALL BE DOUGLAS FIR #2 (DF #2) OR BETTER. ALL FRAMING LUMBER SHALL BE KILN DRIED TO 15% MC (KD-15). ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN GENERAL NOTES, IN DETAILS, OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX. SHARDED CAPACITY. NUTS, WASHERS, USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS. FASTEN ALL BEAMS TO COLUMNS, OR FLUSH BEAMS TO SUPPORTING BEAMS, W/ (4) 3"x0.131" TOENAILS (MIN), TYP. UNO. PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS & HOLD-DOWNS CONTINUOUS TO FOUNDATION/BEARING. BLOCKING TO MATCH POST ABOVE. ENGINEERED LUMBER TO MEET OR EXCEED THE FOLLOWING: <ul style="list-style-type: none"> LVL MEMBERS - Fb=2325 PSI; Fv=310 PSI; E=1.55x10⁶ PSI LVL MEMBERS - Fb=2600 PSI; Fv=285 PSI; E=2.0x10⁶ PSI GLB MEMBERS - Fb=2400 PSI; Fv=1850 PSI; Fv=265 PSI; E=1.8x10⁶ PSI; DF#1; 2x4-F4 (UNO.) ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING: <ul style="list-style-type: none"> LVL MEMBERS - Fb=2400 PSI; Fc=1250 PSI; E=1.8x10⁶ PSI FACE NAIL MULTI-PLY 2x BEAMS & HEADERS W/ 3-ROWS OF 3"x0.131" NAILS (MIN) @ 12" O.C. STAGGERED. APPLY NAILING FROM BOTH FACES @ 3-PLY OR MORE CONDITIONS. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS. ALL MEMBERS SPECIFIED AS MULTI-PLY 1/2" SHALL BE FASTENED TOGETHER PER MANUFACTURER. EQUIVALENT WIDTH SOLID MATERIAL MAY BE USED AS EQUAL. FASTEN 2x WOOD PLATES TO TOP FLANGE OF STEEL BEAMS W/ A-Fs (MIN) 1"x1" PINS OR EQUAL (0.131" DIA. x 2" LONG MIN) @ 16" O.C. STAGGERED, OR 1/2" DIA. BOLTS @ 48" O.C. STAGGERED. REFER TO IRC FASTENING SCHEDULE TABLE R602.3(1) FOR ALL CONNECTIONS, TYP. UNO.
FLOOR FRAMING
<ul style="list-style-type: none"> I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/800 LIVE LOAD DEFLECTION CRITERIA AND SHALL RUN CONTINUOUS OVER SUPPORTS WHEREVER POSSIBLE. ALL LOADS SHOWN ON PLAN FOR MANUF. DESIGNS ARE ASD LEVEL LOADS, UNO. (EXCLUDES STONE/HARDBLE OR NET BED CONSTRUCTED FLOORS - CONTACT MKK FOR EXCLUDED DESIGNS). ALL METAL I-JOIST/TRUSS HANGERS SHALL BE SPECIFIED BY I-JOIST/TRUSS MANUFACTURER, UNLESS OTHERWISE NOTED. I-JOIST/TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY. 2x FLOOR JOISTS HAVE BEEN DESIGNED TO MEET OR EXCEED L/800 LIVE LOAD DEFLECTION CRITERIA. TYPICAL 2x JOIST HANGERS (UNO. ON PLANS): SINGLE PLY: SIMPSON LUS210 DOUBLE: SIMPSON LUS210-2 FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED "STUD"-FLOOR" 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES & @ 12" O.C. FIELD. ALL FLUSH CONNECTIONS SHALL BE CONNECTED WITH HANGER APPROPRIATE FOR MEMBER SIZE, UNO. FASTEN HANGERS TO SINGLE PLY FLUSH BEAMS W/ 1/2" LONG NAILS.
ROOF FRAMING
<ul style="list-style-type: none"> FASTEN EACH ROOF TRUSS TO TOP PLATE W/ (1) 3"x0.131" TOENAILS (MIN) & (1) SIMPSON H251 CLIP @ ALL BEARING POINTS. PROVIDE (2) SIMPSON H251 CLIPS AT 2-PLY GIRDER TRUSSES & 3-PLY GIRDER TRUSSES AT ALL BEARING POINTS. FASTEN EACH ROOF RAFTER TO TOP PLATE WITH (1) SIMPSON H251 CLIP. PROVIDE (2) SIMPSON H251 CLIPS AT FLUSH BEAMS IN THE ROOF - AT ALL BEARING POINTS. ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS W/ 2 1/2" x 0.131" NAILS @ 6" O.C. AT PANEL EDGES & @ 12" O.C. AT INTERMEDIATE SUPPORTS. ROOF SHEATHING SHALL EXTEND BELOW ALL INSTANCES OF OVERFRAMING. BLOCKING SHALL BE INSTALLED AS REQUIRED TO LIMIT ROOF SHEATHING SPANS TO 24" MAX. WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC. ALL METAL HANGERS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER, UNLESS OTHERWISE NOTED. ROOF TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY. ROOF TRUSS SHOP DRAWINGS & CALCULATIONS SHALL BE PREPARED BY A WASHINGTON STATE LICENSED ENGINEER AND SHALL BE DESIGNED FOR UNBALANCED SNOW LOADING PER ASCE 7-16, SECTION 16. ERECT AND INSTALL ROOF TRUSSES PER WTC & TP'S BC51 I-08 "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES." FASTEN OVER-FRAMED TRUSS SETS TO TRUSSES BELOW W/ (2) 3"x0.131" TOENAILS AT EA. TRUSS. SUPPORT PORCH & SHORT SPAN ROOF TRUSSES (UP TO 6' TRIB.) W/ 2x6 LEDGER FASTENED TO FRAMING W/ (3) 3"x0.131" NAILS @ 16" O.C. FASTEN ALL INTERIOR NON-BEARING PARTITION WALLS TO TRUSS BOTTOM CHORD ABOVE WITH SIMPSON STC CLIPS AT 24" O.C. MAX. PROVIDE BLOCKING BETWEEN THE TRUSS BOTTOM CHORDS AS REQUIRED FOR THE PARALLEL CONDITIONS.



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project mgr:	NJM
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REVISIONS:	
date:	initial:
04/28/2023	LGH
06/21/2023	LGH
10/05/2023	LGH
11/27/2023	LGH
ADD PLAN REVIEW COMMENTS	

ARCHITECTURAL INNOVATIONS

STRUCTURAL NOTES

3036 67TH AVE. SE
MERCER ISLAND, WASHINGTON

sheet:

S-0.0

REFER TO S-O.O FOR
TYPICAL STRUCTURAL
NOTES & SCHEDULES

LEGEND

- ▬ INTERIOR BEARING WALL
- ▬ BEARING WALL ABOVE (B.W.A.), OR SHEARWALL ABOVE (S.W.A.)
- ▬ BEAM / HEADER
- ▬ INTERIOR SHEAR WALL PANEL OR EXTERIOR SHEAR WALL w/ 3" o.c. EDGE NAILING
- ▬ INDICATES AREA OF ROOF OVERFRAMING
- J.L METAL HANGER
- * INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ◀ INDICATES HOLD-DOWN
- INDICATES PIPE PILE

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
▶ HD-1	SIMPSON 5THD14 (R.J) HOLD-DOWN
▶ HD-5	SIMPSON C516 STRAP TIE (14" END LENGTH)
▶ HD-6	SIMPSON MSTC40 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)
▶ HD-7	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)



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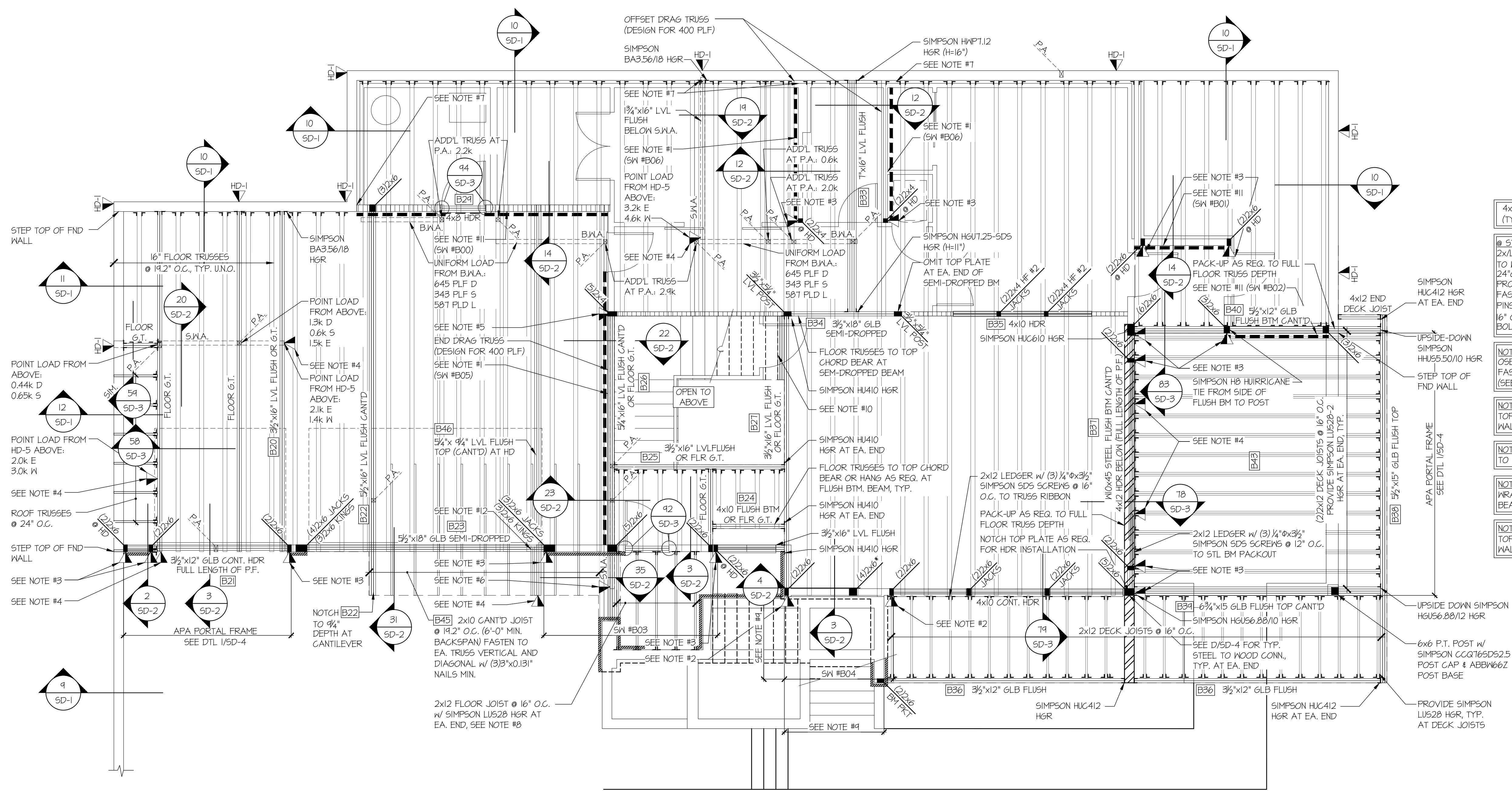
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ARCHITECTURAL
INNOVATIONS

MAIN FLOOR FRAMING PLAN
3036 67TH AVE. SE
MERCER ISLAND, WASHINGTON

sheet:
S-1.1



- 4x10 HDR @ ALL EXT. OPENINGS (TYP. U.N.O.) [B28]
- STEEL BEAMS: PROVIDE SOLID 2xLVL WEB PACKOUT FASTENED TO WEB w/ 1/2" DIA. THRU BOLTS @ 24" o.c. STAGGERED. ALSO, PROVIDE 2x TOP PLATE FASTENED w/ P.A.F.'s (HILTI X-U PINS OR EQUAL) @ 16" o.c. STAGGERED, OR 1/2" DIA. BOLTS @ 48" o.c., STAGGERED.
- NOTE #1: PROVIDE 1/8" OSB/PLYWOOD SHEATHING AND FASTEN 3" o.c. EDGE NAILING (SEE NOTES ON S-O.O.)
- NOTE #2: HD-5 FROM ABOVE TO TOP OF WALL. HD-1 AT BASE OF WALL TO FOUNDATION BELOW.
- NOTE #3: HD-1 AT BASE OF WALL TO FOUNDATION BELOW.
- NOTE #4: HD-5 FROM ABOVE. WRAP END LENGTH AROUND BEAM/G.T. AS REQ.
- NOTE #5: HD-6 FROM ABOVE TO TOP OF WALL. HD-1 AT BASE OF WALL TO FOUNDATION BELOW.
- NOTE #6: HD-6 FROM ABOVE. WRAP END LENGTH AROUND BEAM/G.T. AS REQ.
- NOTE #7: PROVIDE 1/8" OSB/PLYWOOD SHEATHING AND FASTEN 6" o.c. EDGE NAILING (SEE NOTES ON S-O.O.)
- NOTE #8: PROVIDE SIMPSON H8 HURRICANE TIE FROM FLUSH TOP BEAM TO SEMI-DROPPED BEAM
- NOTE #9: FASTEN 6x6 TO EA. TRUSS VERTICAL/DIAGONAL w/ (2) 3"x0.131" NAILS
- NOTE #10: FASTEN 6x6 TO EA. TRUSS VERTICAL/DIAGONAL w/ (2) 3"x0.131" NAILS
- NOTE #11: PROVIDE SIMPSON H8 HURRICANE TIE FROM FLUSH TOP BEAM TO SEMI-DROPPED BEAM
- NOTE #12: PROVIDE SIMPSON H8 HURRICANE TIE FROM FLUSH TOP BEAM TO SEMI-DROPPED BEAM

1 MAIN FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

REFER TO S-O.O FOR
TYPICAL STRUCTURAL
NOTES & SCHEDULES

LEGEND

- ▬ INTERIOR BEARING WALL
- ▬ BEARING WALL ABOVE (B.W.A.) OR SHEARWALL ABOVE (S.W.A.)
- ▬ BEAM / HEADER
- ▬ INTERIOR SHEAR WALL PANEL OR EXTERIOR SHEAR WALL w/ 3" o.c. EDGE NAILING
- ▬ INDICATES AREA OF ROOF OVERFRAMING
- J.L. METAL HANGER
- * INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▲ INDICATES HOLD-DOWN
- INDICATES PIPE FILE

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
▶ HD-1	SIMPSON 5THD14 (R.J) HOLD-DOWN
▶ HD-5	SIMPSON C516 STRAP TIE (14" END LENGTH)
▶ HD-6	SIMPSON MSTC40 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)
▶ HD-7	SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)



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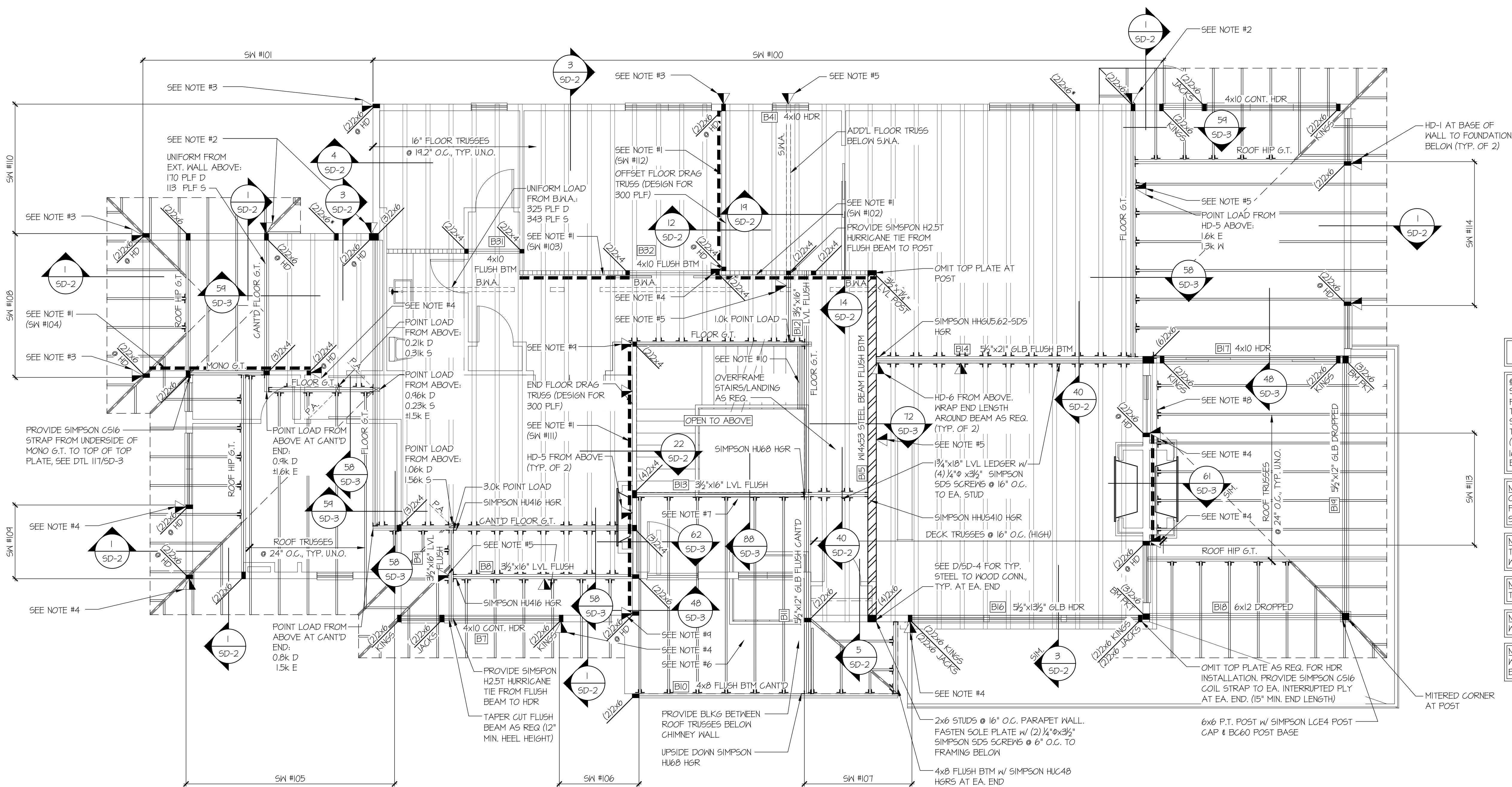
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ARCHITECTURAL
INNOVATIONS

UPPER FLOOR FRMG PLAN
3036 67TH AVE. SE
MERCER ISLAND, WASHINGTON

sheet:
S-2.0



- 4x10 HDR @ ALL EXT. OPENINGS (TYP. U.N.O.) [B30]
- @ STEEL BEAMS: PROVIDE SOLID 2xLVL WEB PACKOUT FASTENED TO WEB w/ 1/2" DIA. THRU BOLTS @ 24" o.c. STAGGERED. ALSO, PROVIDE 2x TOP PLATE FASTENED w/ P.A.F.'s (HILTI X-U PINS OR EQUAL) @ 16" o.c. STAGGERED, OR 1/2" DIA. BOLTS @ 48" o.c. STAGGERED.
- NOTE #1: PROVIDE 1/4" OSB/PLYWOOD SHEATHING AND FASTEN PER TYP. EXT. SHTG SPECS (SEE NOTES ON S-O.O)
- NOTE #2: HD-5 FROM ABOVE TO TOP OF WALL. HD-1 AT BASE OF WALL TO FOUNDATION BELOW.
- NOTE #3: HD-1 AT BASE OF WALL TO FOUNDATION BELOW.
- NOTE #4: HD-5 AT BASE OF WALL TO FRAMING BELOW.
- NOTE #5: HD-5 FROM ABOVE. WRAP END LENGTH AROUND BEAM/G.T. AS REQ.
- NOTE #6: PROVIDE 2x6 STUDS @ 16" o.c. FROM TOP OF ROOF SHEATHING TO TOP OF CHIMNEY WALL. FASTEN SOLE PLATE w/ (2) 1/4" x 3/8" SIMPSON SDS SCREWS @ 6" o.c. TO ROOF TRUSSES/BLKG. TYP. AT CHIMNEY WALLS.
- NOTE #7: 2x6 LEDGER w/ (3) 3"x0.131" NAILS @ 16" o.c. TO GIRDER TRUSS/FLUSH BEAM
- NOTE #8: 2x6 LEDGER w/ (4) 3"x0.131" NAILS @ 16" o.c. TO EA. STUD
- NOTE #9: HD-6 AT BASE OF WALL TO FRAMING BELOW.
- NOTE #10: FASTEN 6x6 TO EA. TRUSS VERTICAL/DIAGONAL w/ (2) 3"x0.131" NAILS

1 UPPER FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

REFER TO S-0.0 FOR
TYPICAL STRUCTURAL
NOTES & SCHEDULES

LEGEND

- ▬ INTERIOR BEARING WALL
- ▬ BEARING WALL ABOVE (B/W.A.), OR SHEARWALL ABOVE (S/W.A.)
- ▬ BEAM / HEADER
- ▬ INTERIOR SHEAR WALL PANEL OR EXTERIOR SHEAR WALL w/ 3" o.c. EDGE NAILING
- ▬ INDICATES AREA OF ROOF OVERFRAMING
- J L METAL HANGER
- * INDICATES POST ABOVE, PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.
- ▴ INDICATES HOLD-DOWN
- INDICATES PIPE FILE

HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
▴	HD-1 SIMPSON 5THD14 (R.J) HOLD-DOWN
▴	HD-5 SIMPSON CS16 STRAP TIE (14" END LENGTH)
▴	HD-6 SIMPSON MSTC40 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)
▴	HD-7 SIMPSON MSTC66 STRAP TIE (CENTER STRAP ON FLOOR SYSTEM U.N.O.)



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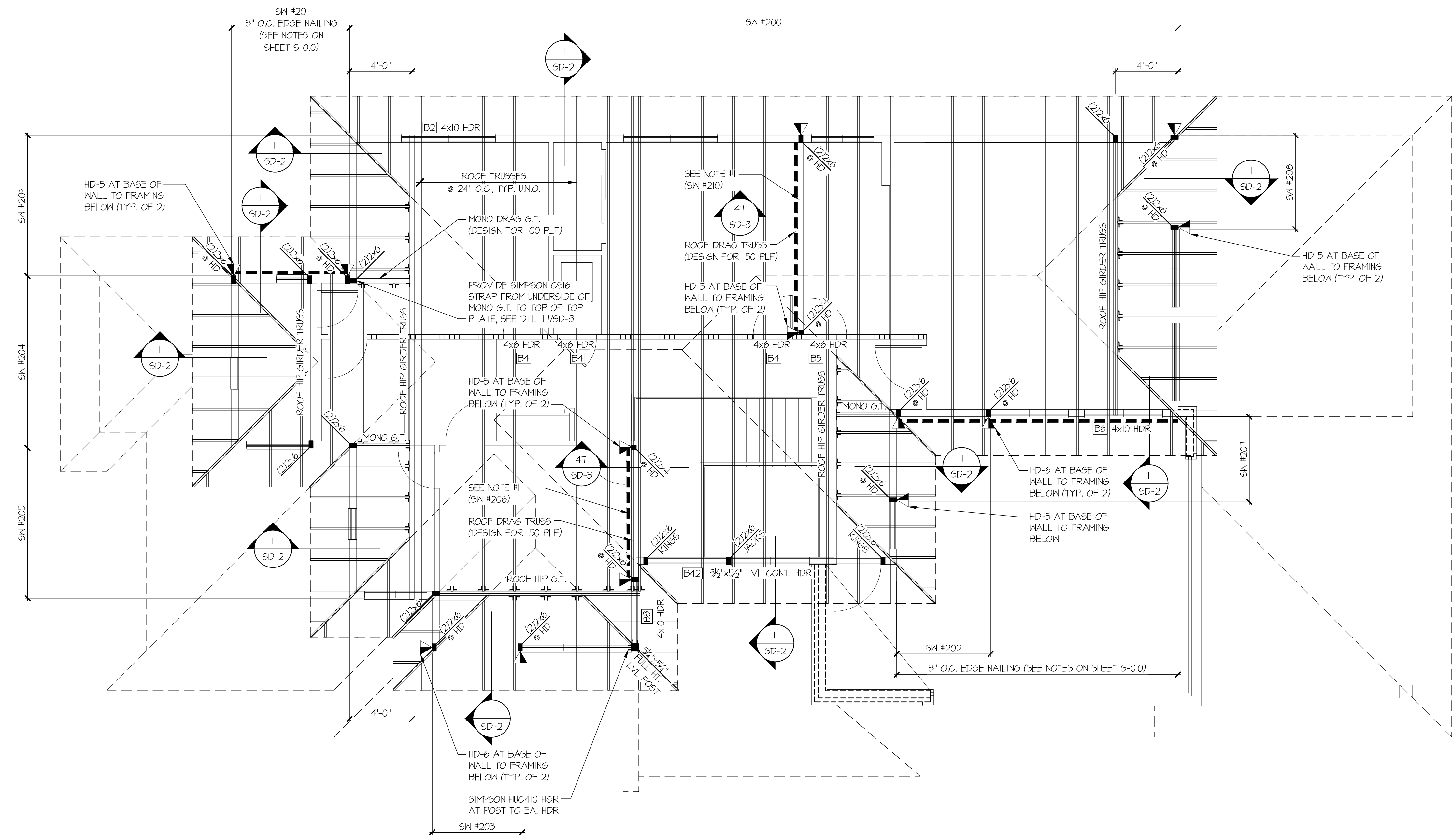
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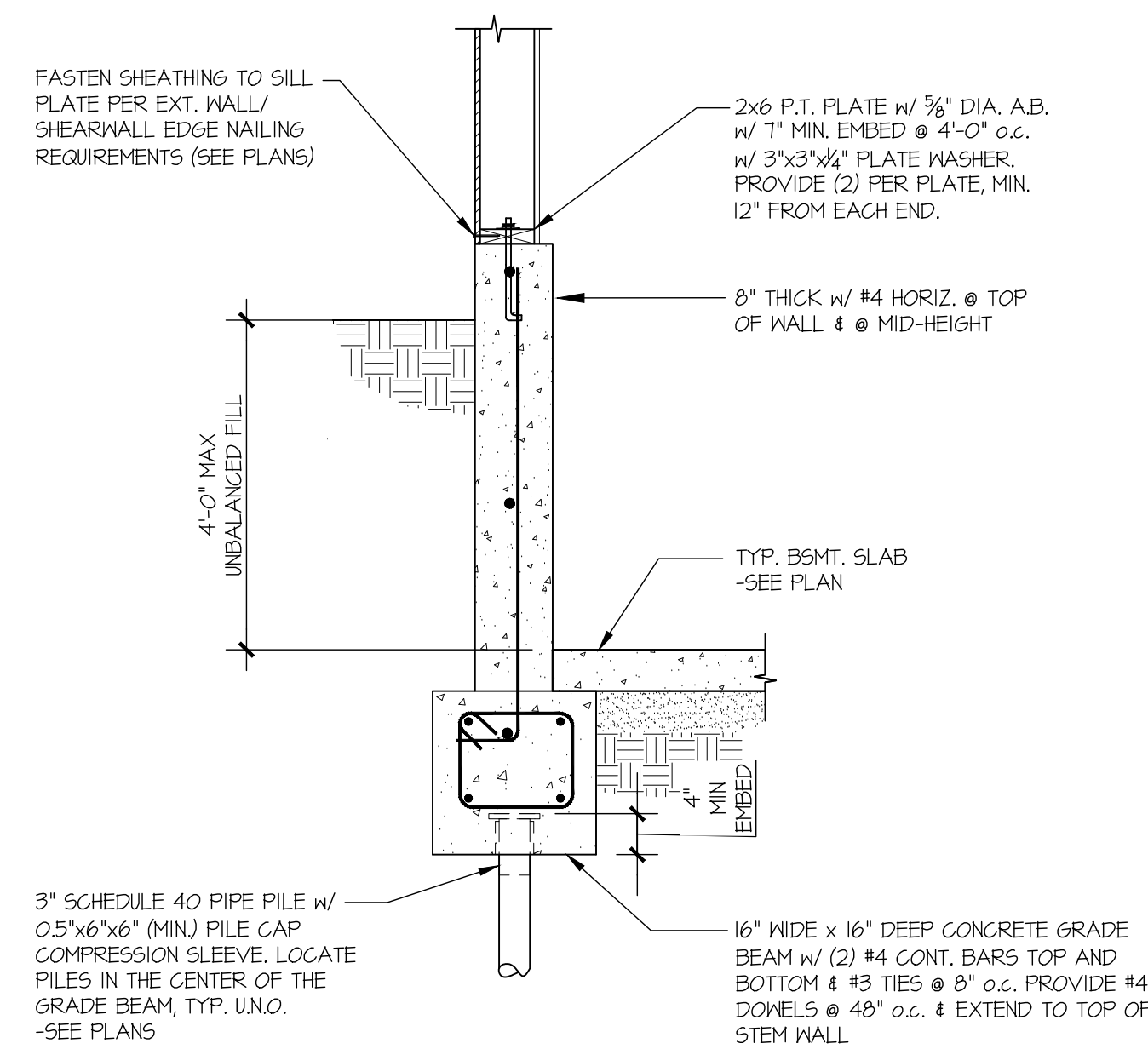
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S-3.0



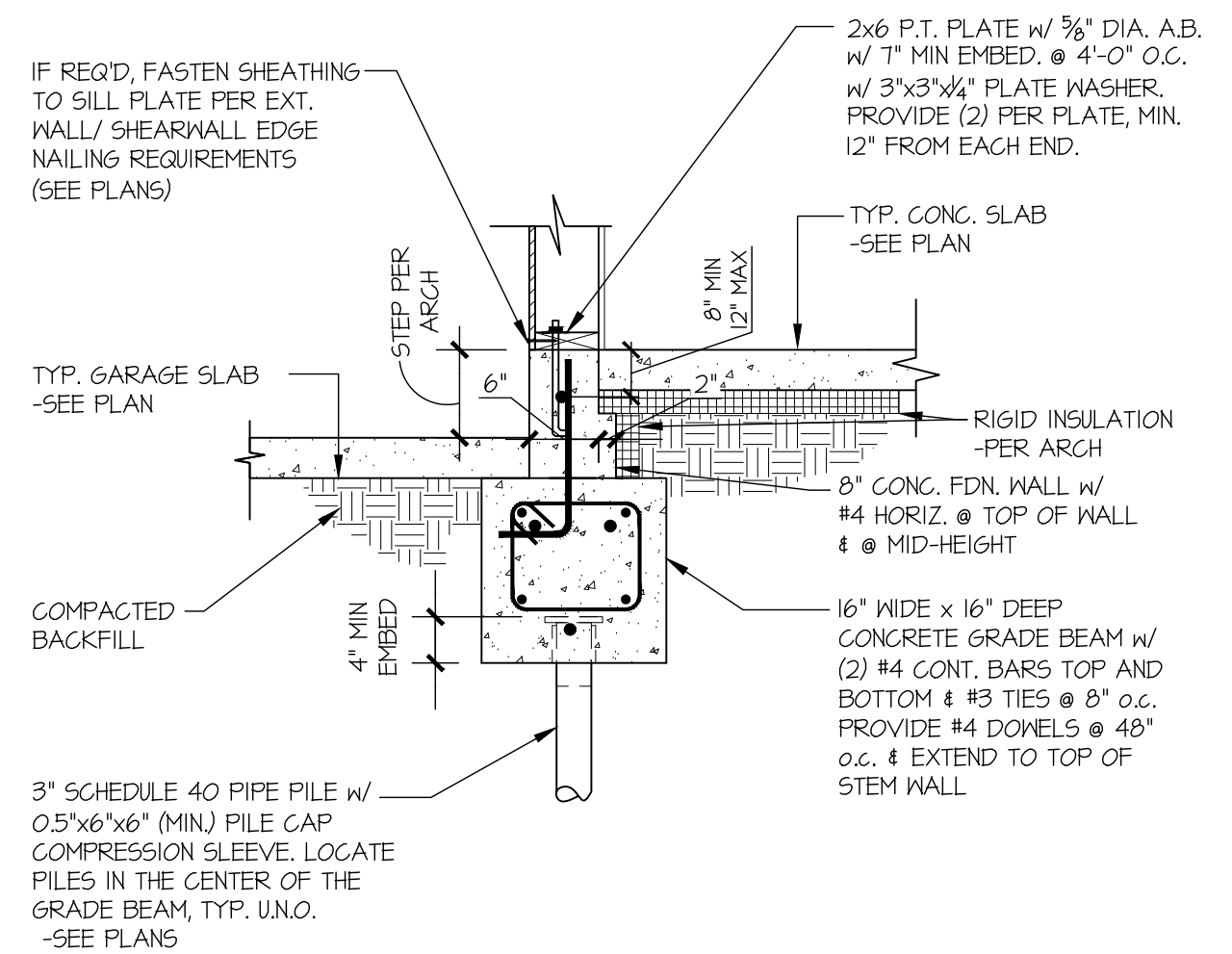
4x10 HDR @ ALL EXT. OPENINGS (TYP. U.N.O.) [B]

NOTE #1: PROVIDE 1/8" OSB/PLYWOOD SHEATHING AND FASTEN PER TYP. EXT. SHTG SPECS (SEE NOTES ON S-0.0)

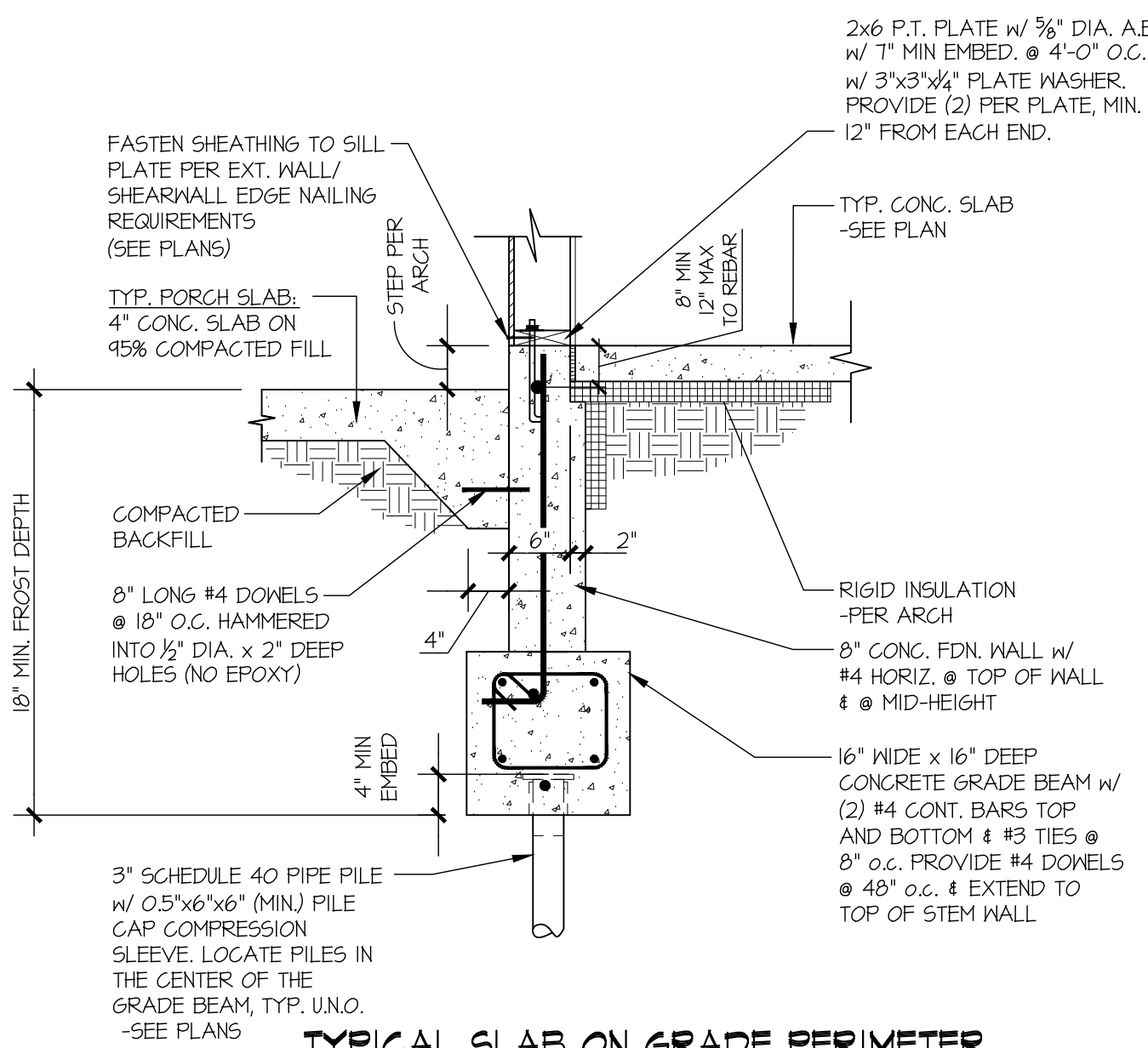
1 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



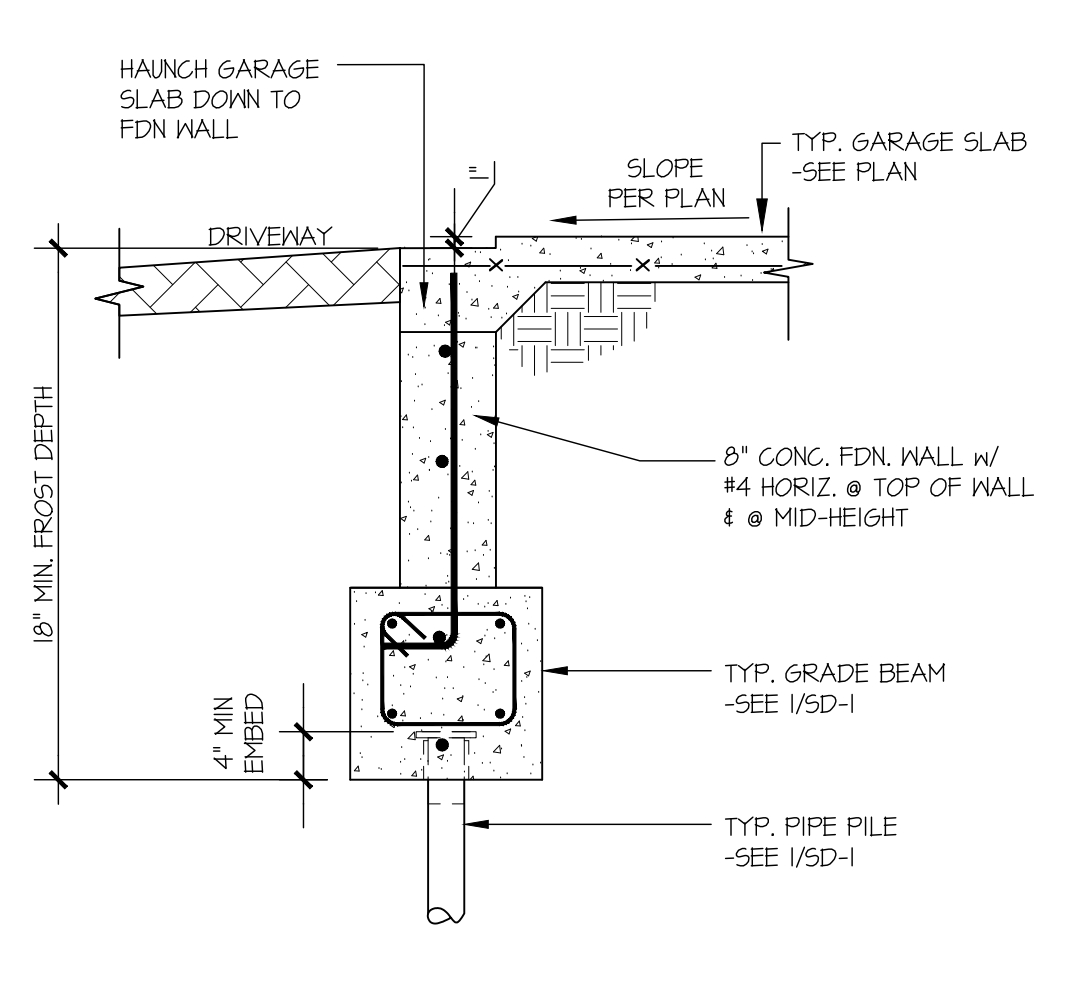
SECTION 1
SCALE: 3/4"=1'-0"



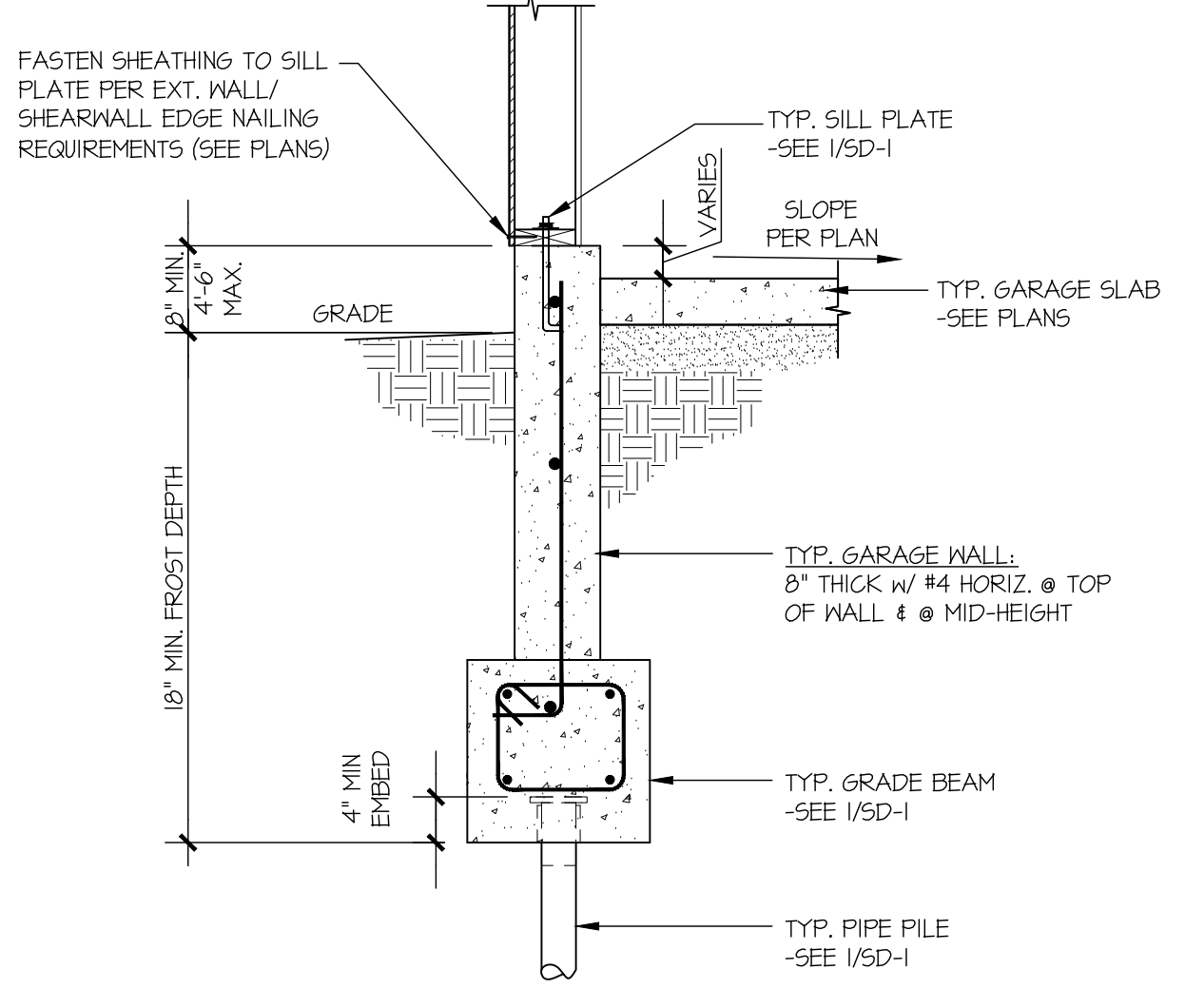
TYPICAL SLAB ON GRADE FOOTING @ GARAGE
SCALE: 3/4"=1'-0"



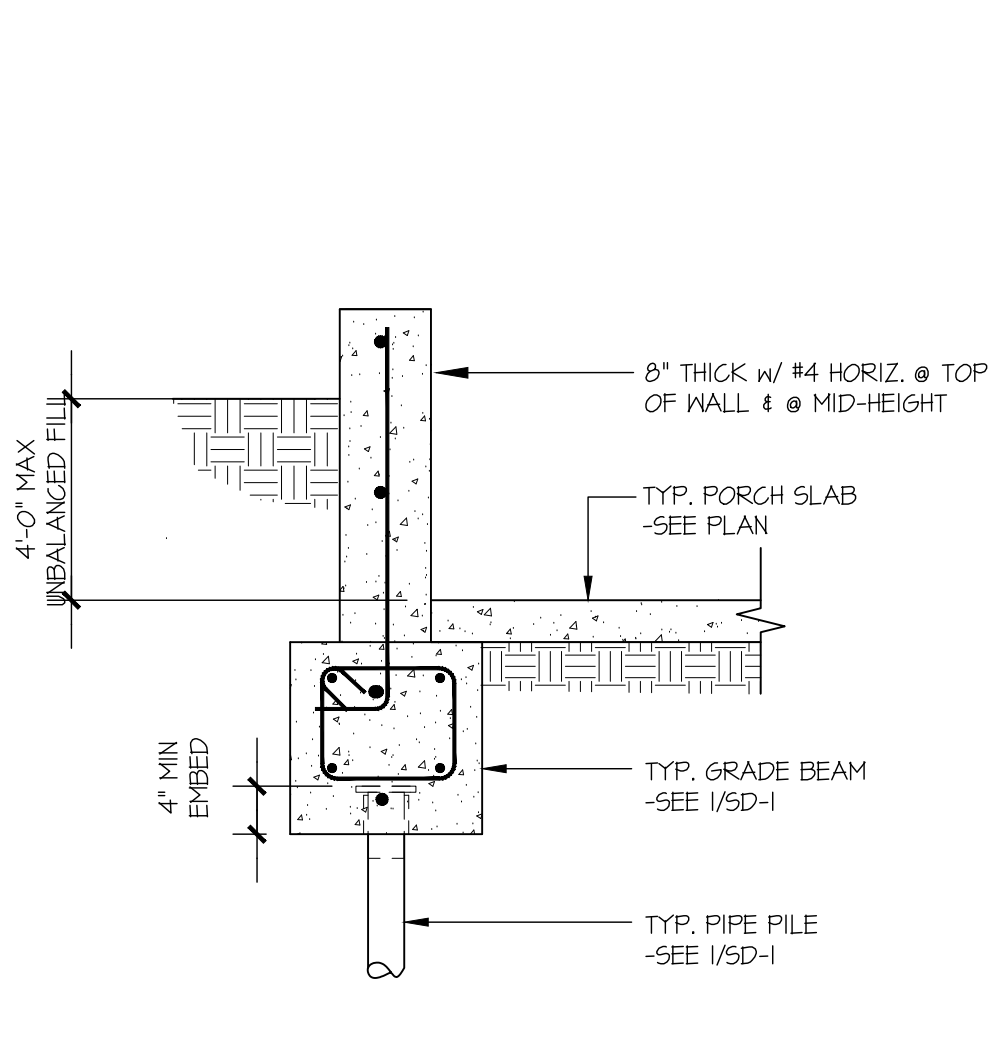
TYPICAL SLAB ON GRADE PERIMETER FOOTING
SCALE: 3/4"=1'-0"



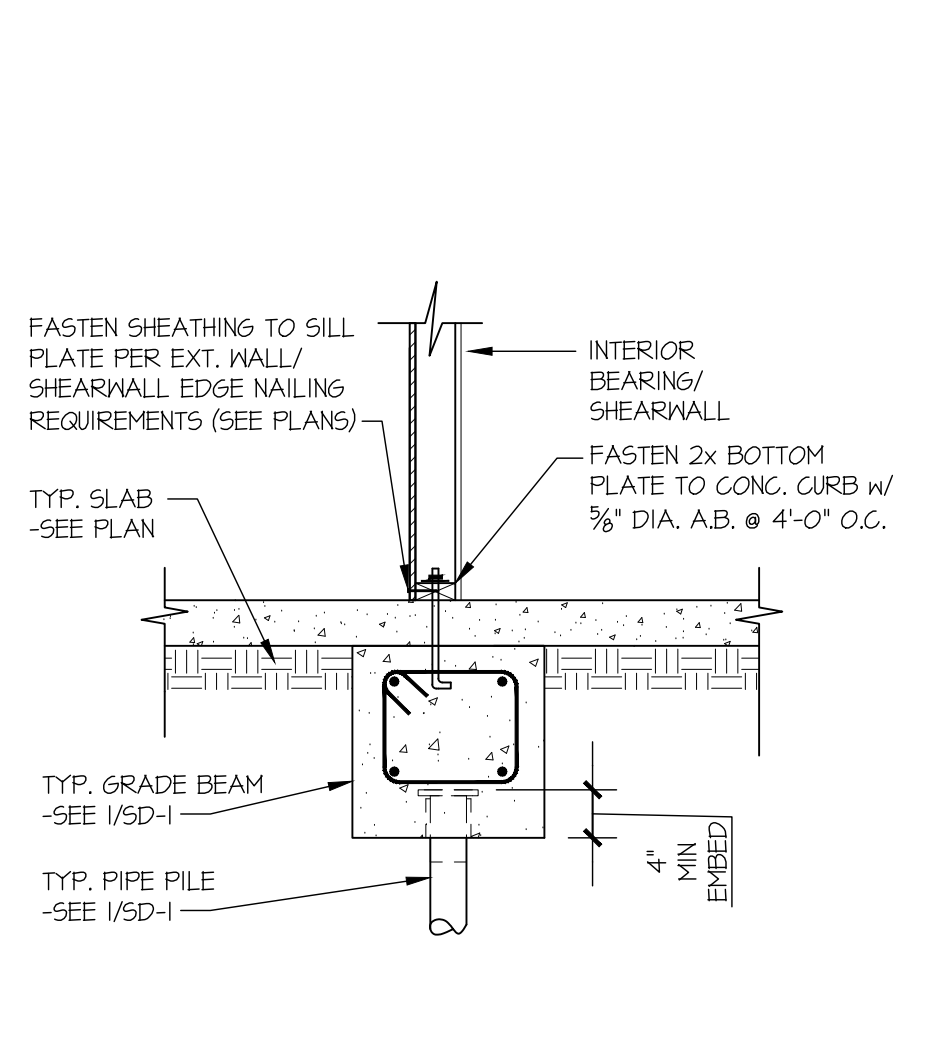
TYPICAL CONCRETE FOOTING @ GARAGE DOOR OPENING
SCALE: 3/4"=1'-0"



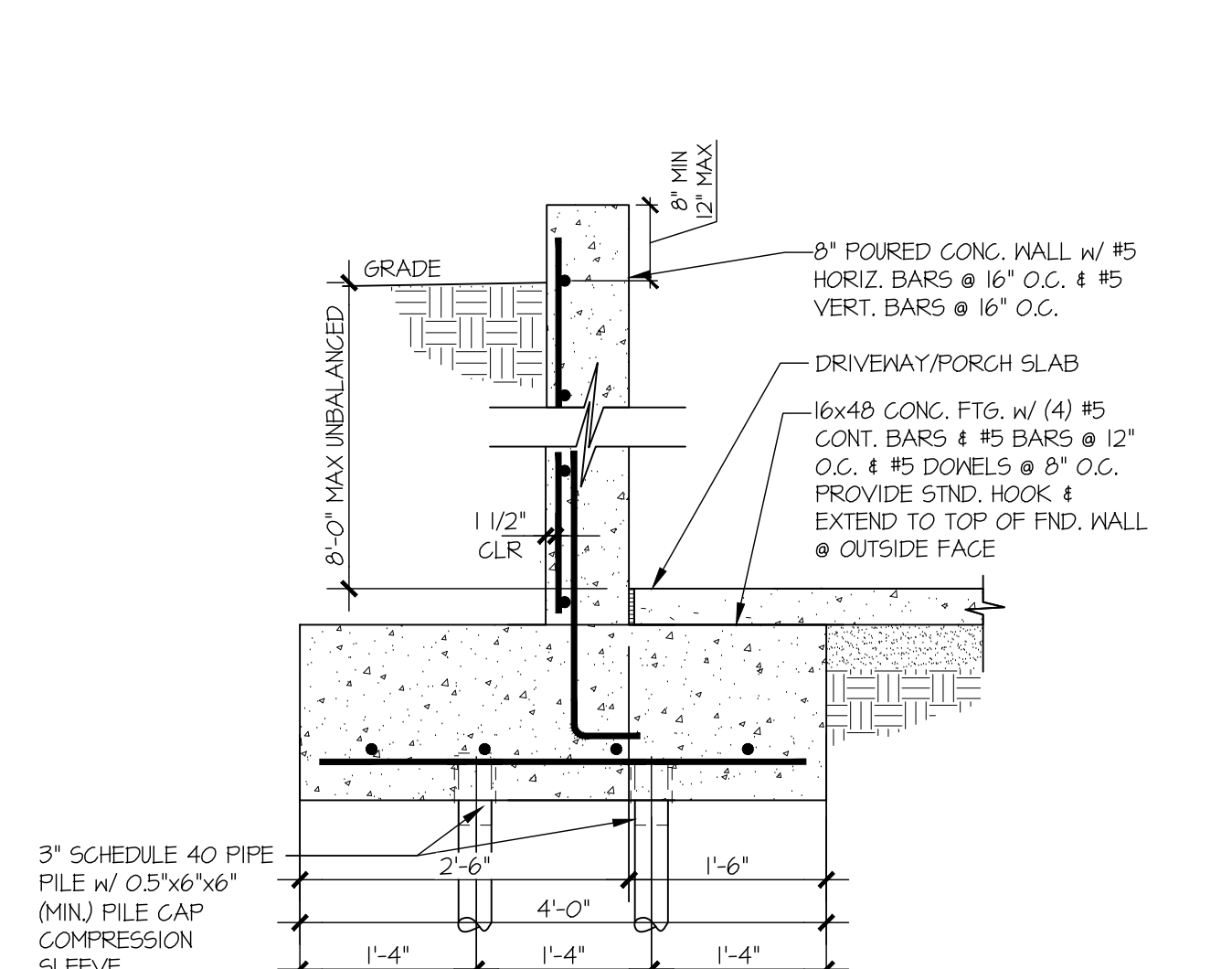
TYPICAL EXT. GARAGE FOUNDATION
SCALE: 3/4"=1'-0"



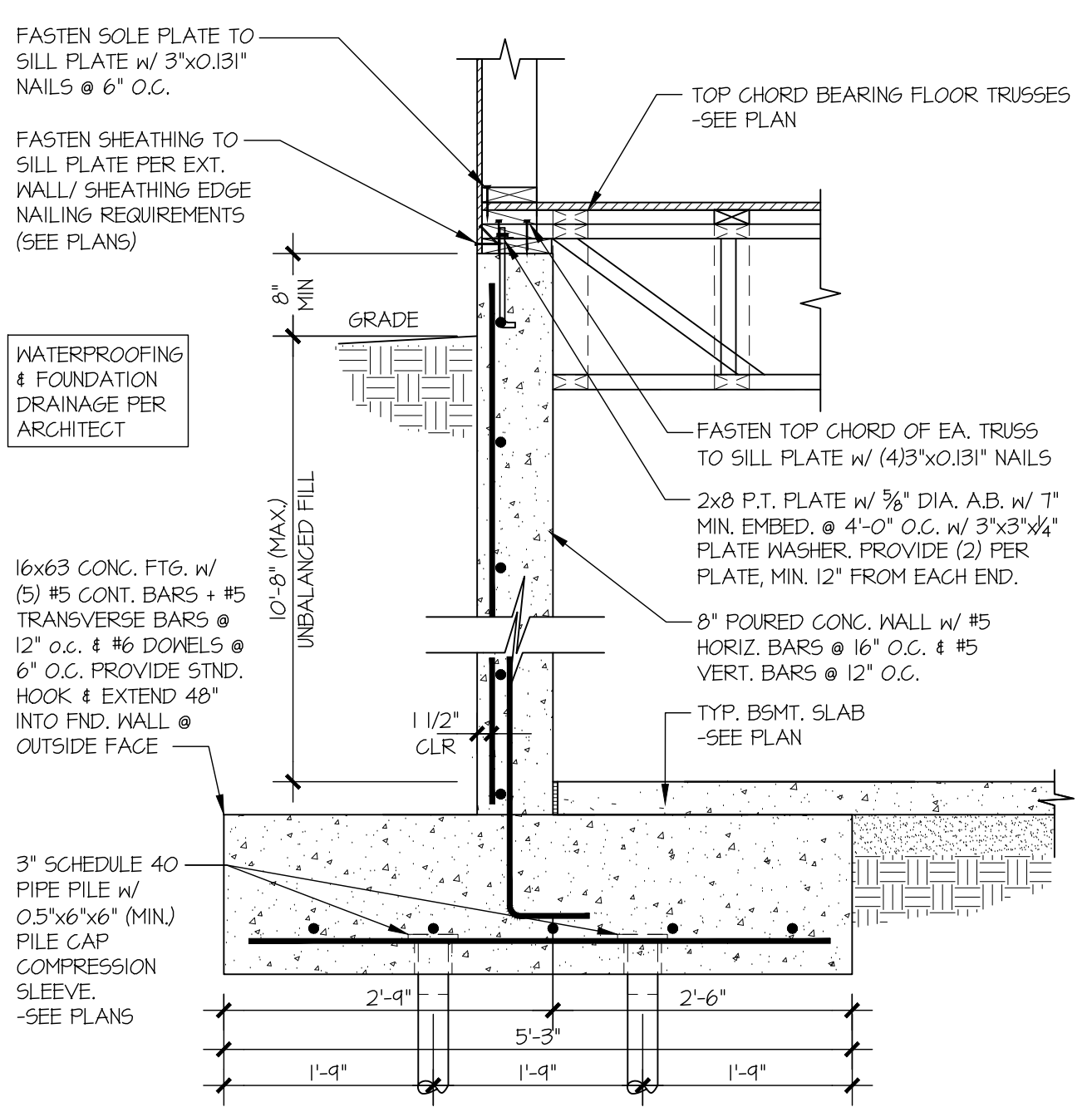
SECTION 7
SCALE: 3/4"=1'-0"



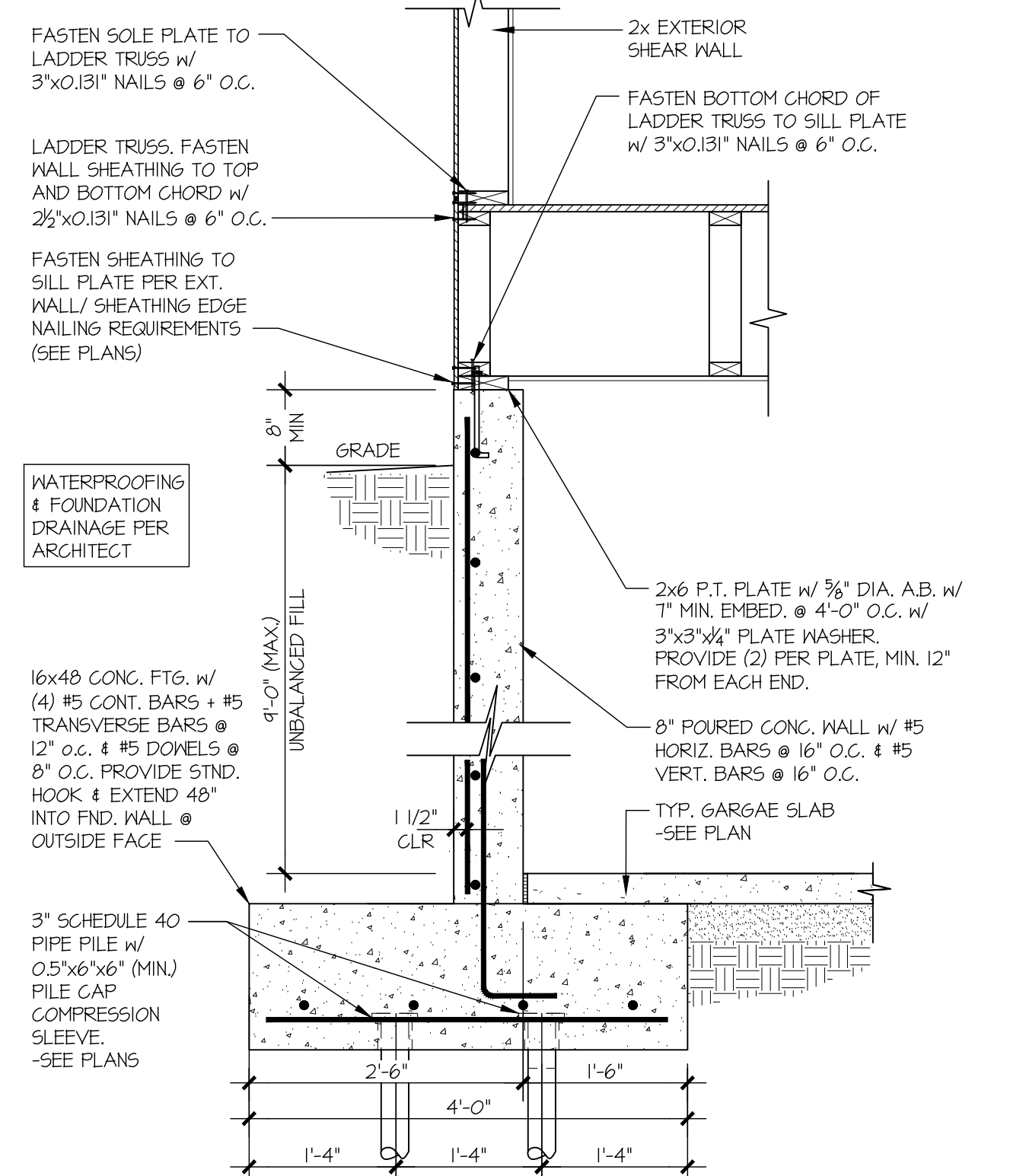
TYPICAL THICKENED SLAB @ INTERIOR BEARING WALL
SCALE: 3/4"=1'-0"



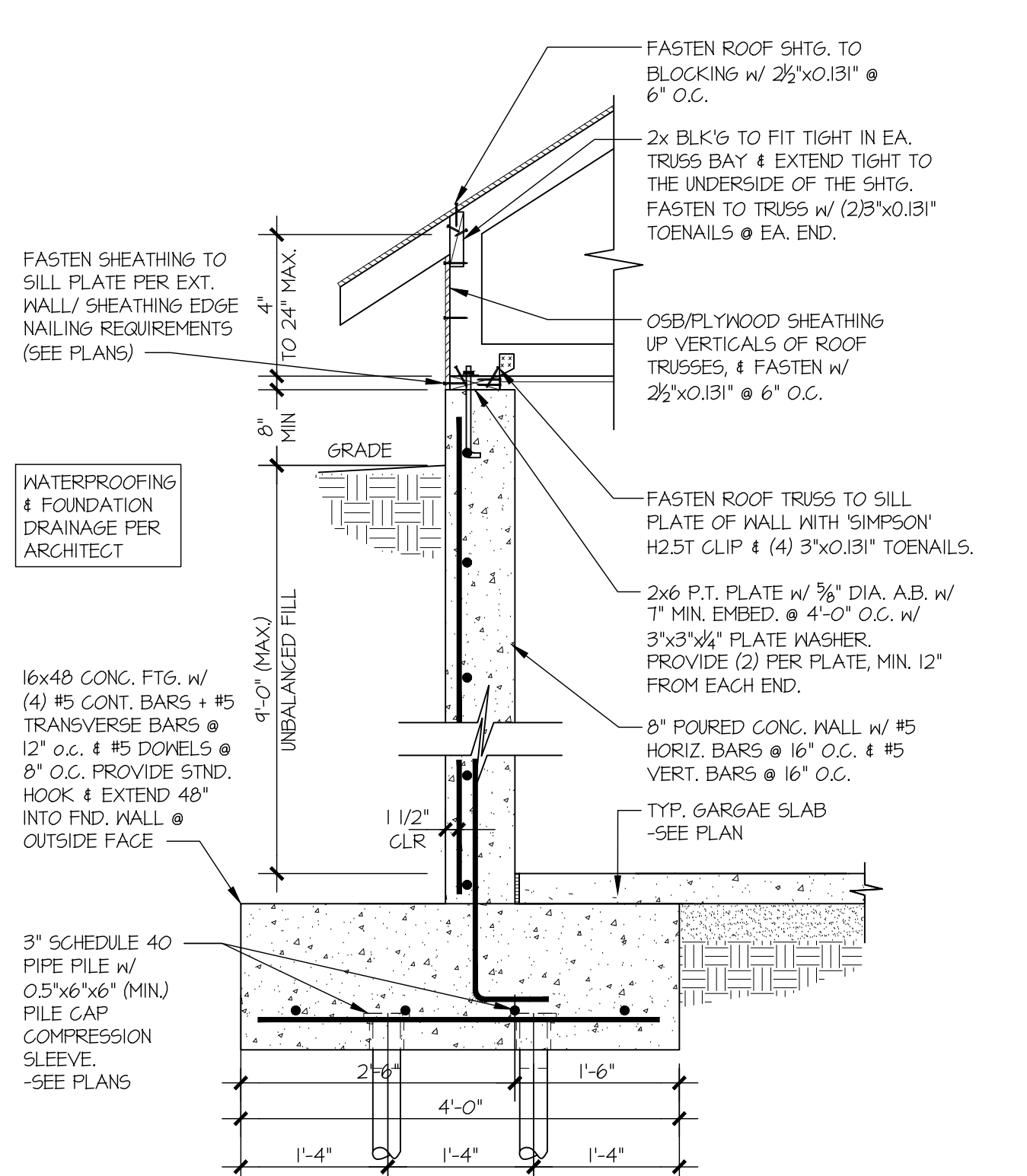
9 SITE RETAINING WALL
SCALE: 3/4"=1'-0"



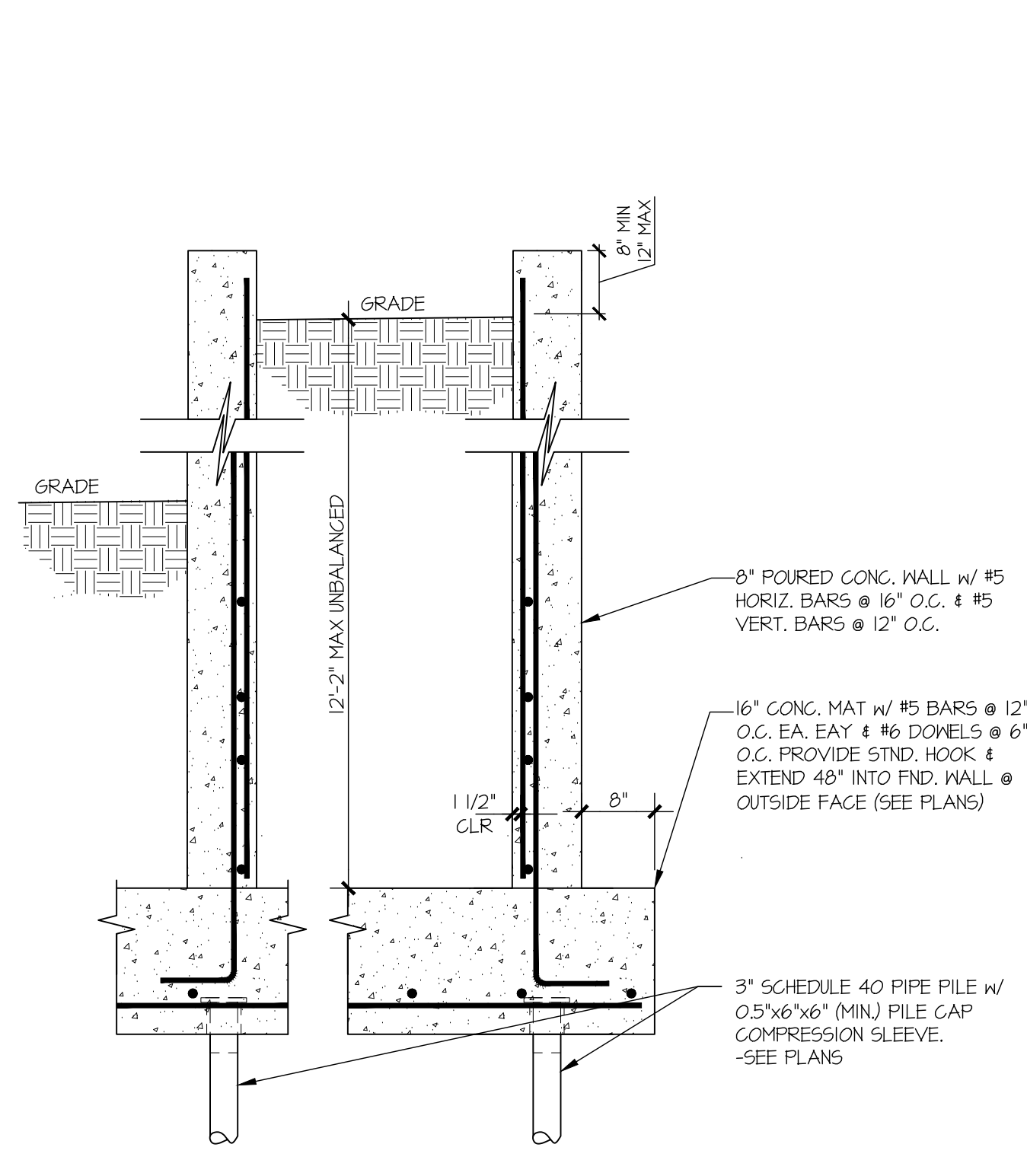
10 BASEMENT FOUNDATION WALL
SCALE: 3/4"=1'-0"



11 GARAGE FOUNDATION WALL
SCALE: 3/4"=1'-0"



12 GARAGE FOUNDATION WALL
SCALE: 3/4"=1'-0"



13 ENTRY RETAINING WALL
SCALE: 3/4"=1'-0"



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M&K project number: 203-22010

project mgr: NJM
drawn by: LGH
issue date: 05-04-22

REVISIONS:	
date:	initial:
04/28/2023	LGH
06/21/2023	LGH
10/05/2023	LGH
11/27/2023	LGH

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sheet:
SD-1



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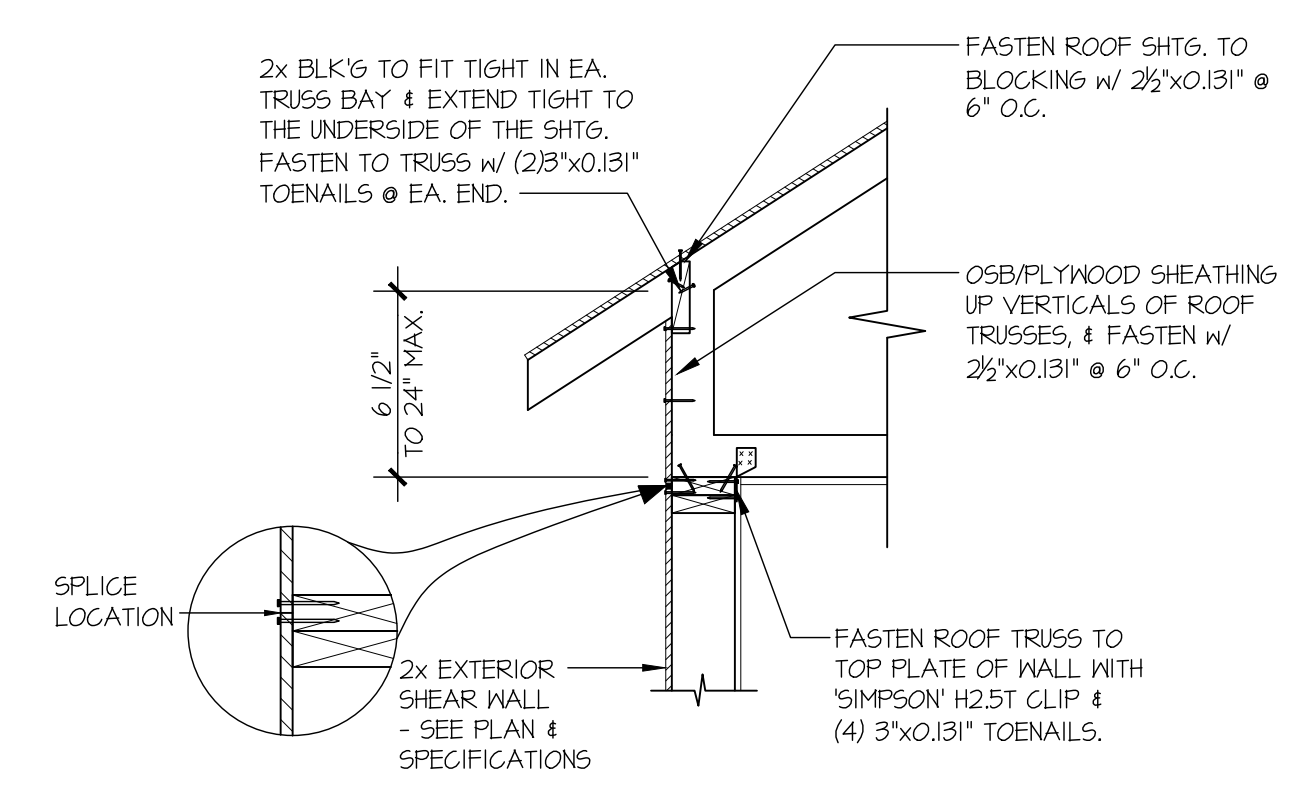
project mgr: **NJM**
drawn by: **LGH**
issue date: **05-04-22**

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date:	initial:
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ARCH REVISION	
06/21/2023	LGH
PLAN REVIEW COMMENTS	
10/05/2023	LGH
PIPE FILE REVISION	
11/27/2023	LGH
ADDL PLAN REVIEW COMMENTS	

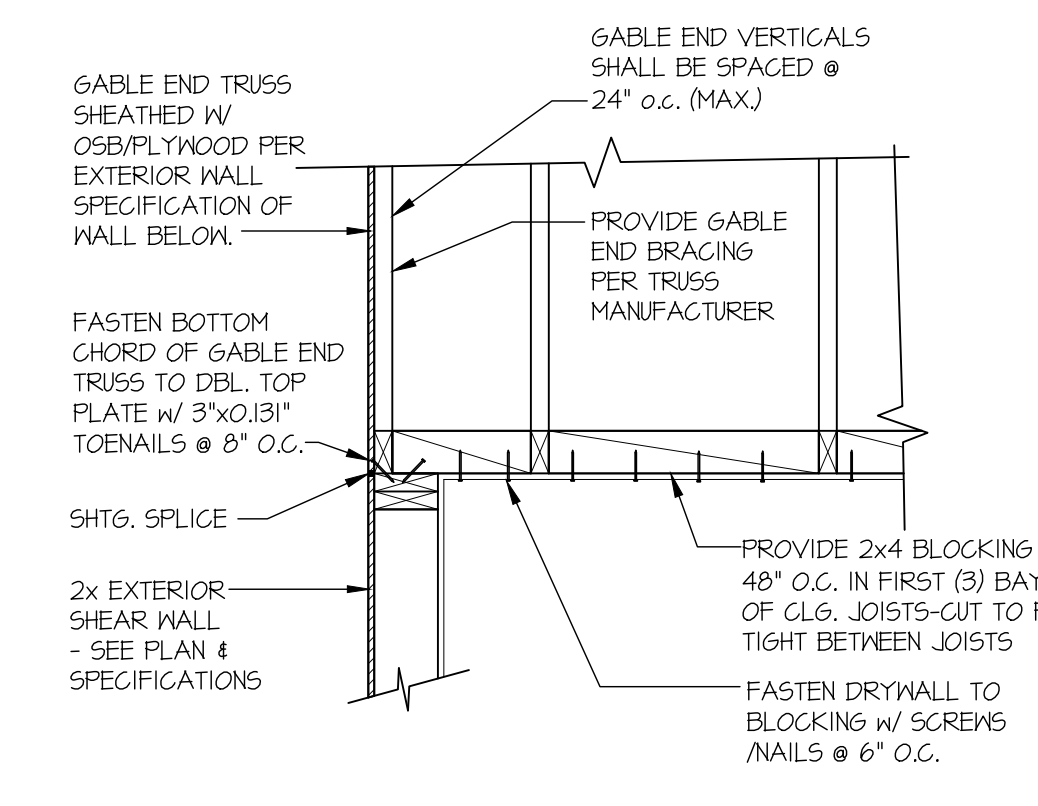
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INNOVATIONS

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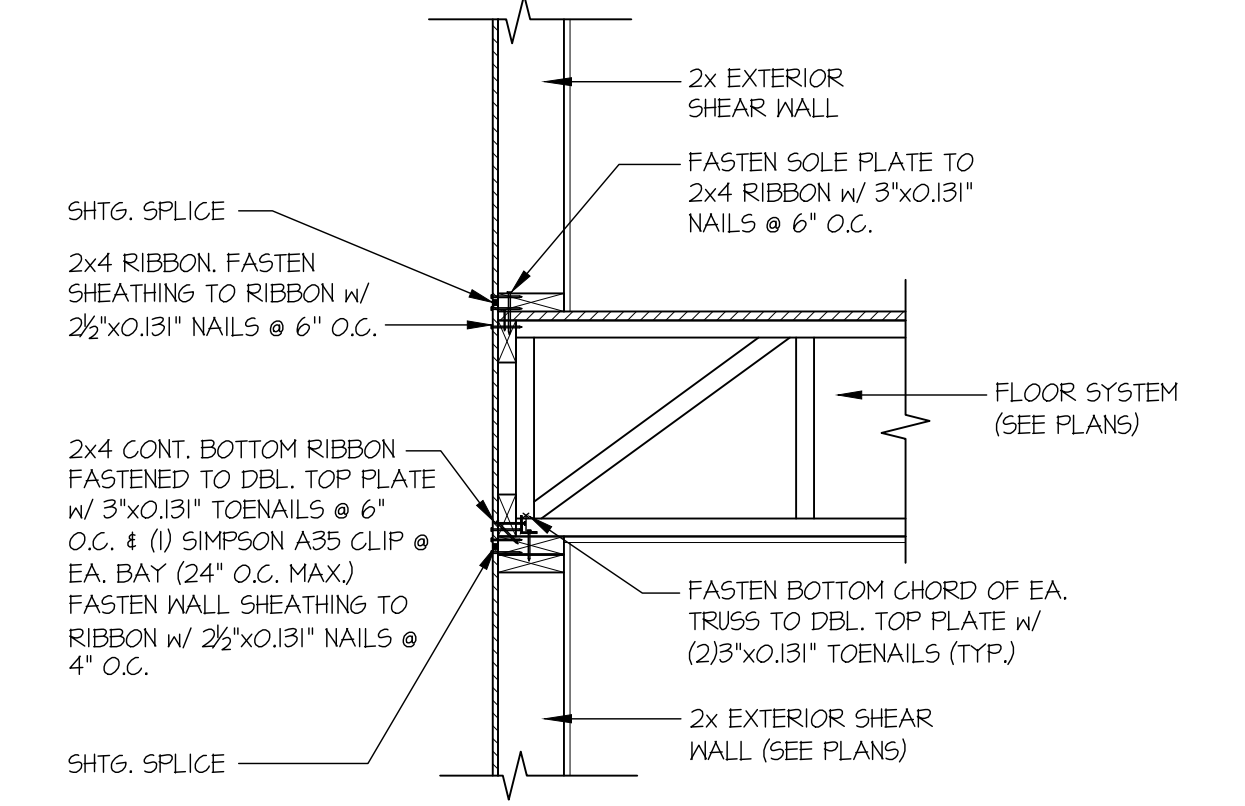
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SD-2



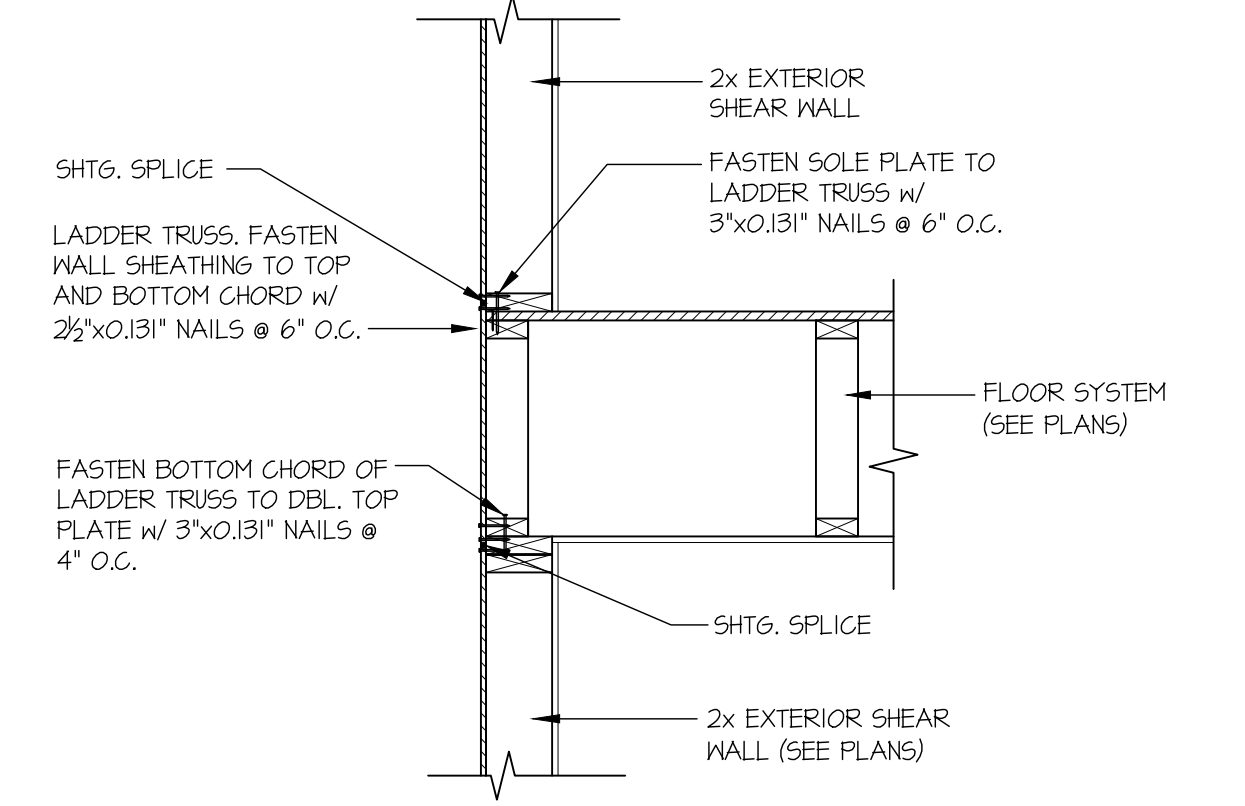
1 TYPICAL SHEAR TRANSFER DETAIL @ RAISED HEEL TRUSS
SCALE: 3/4"=1'-0" HEEL HEIGHT UP TO 24" MAX.



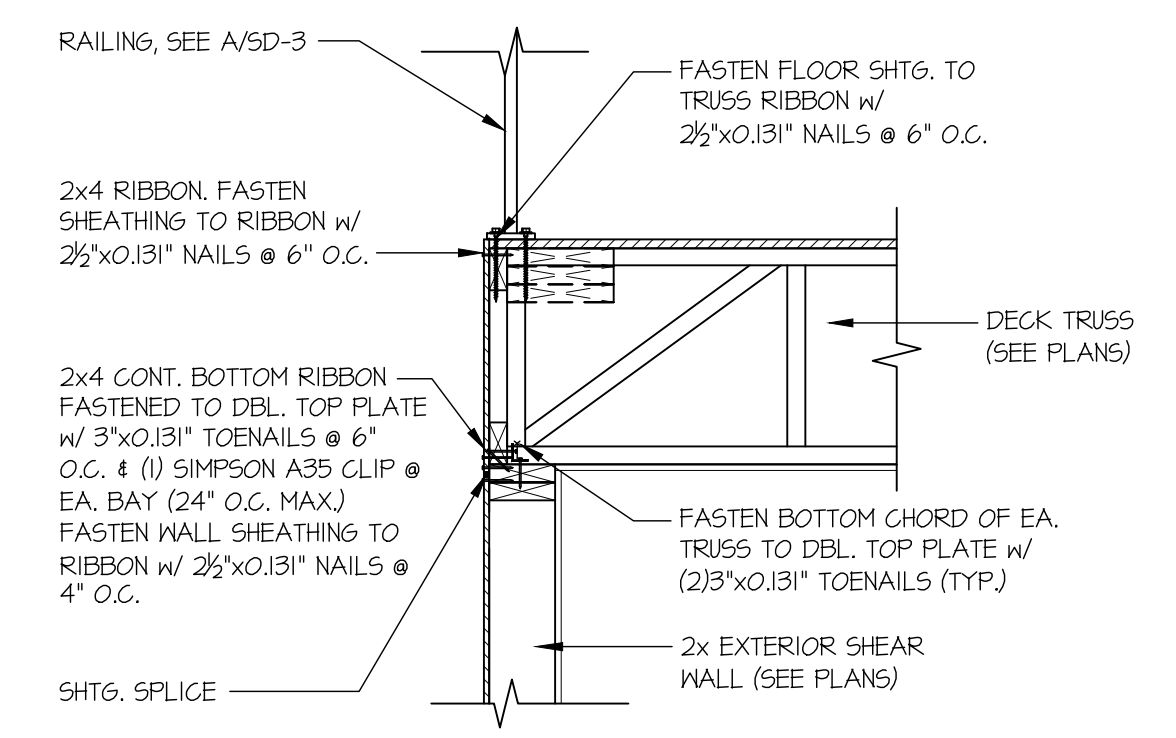
2 TYPICAL GABLE END DETAIL
SCALE: 3/4"=1'-0"



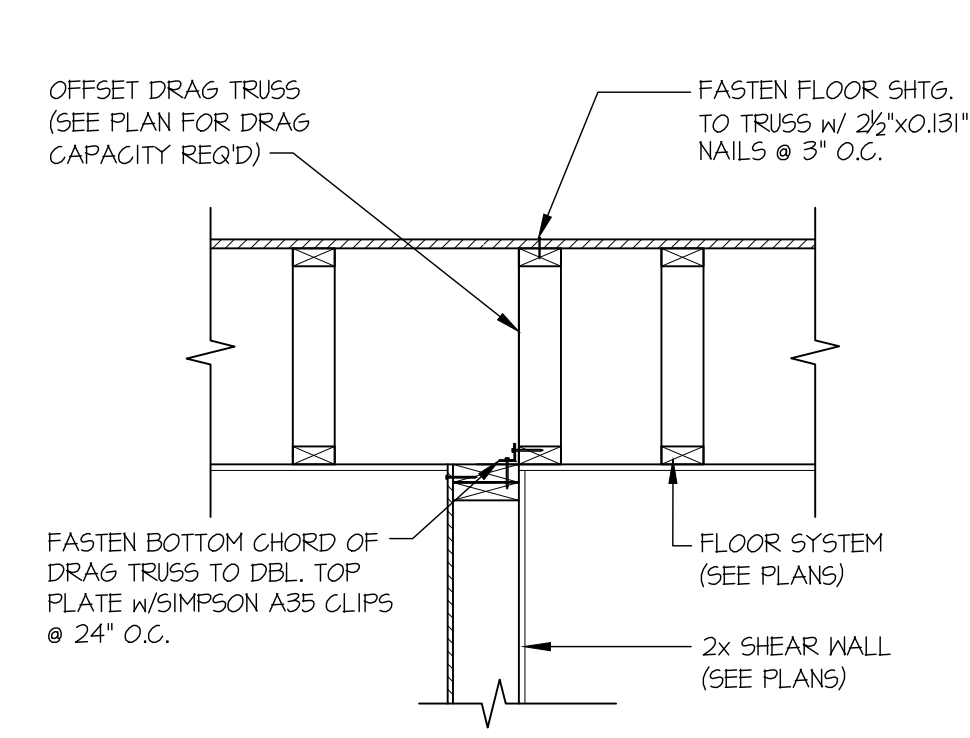
3 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



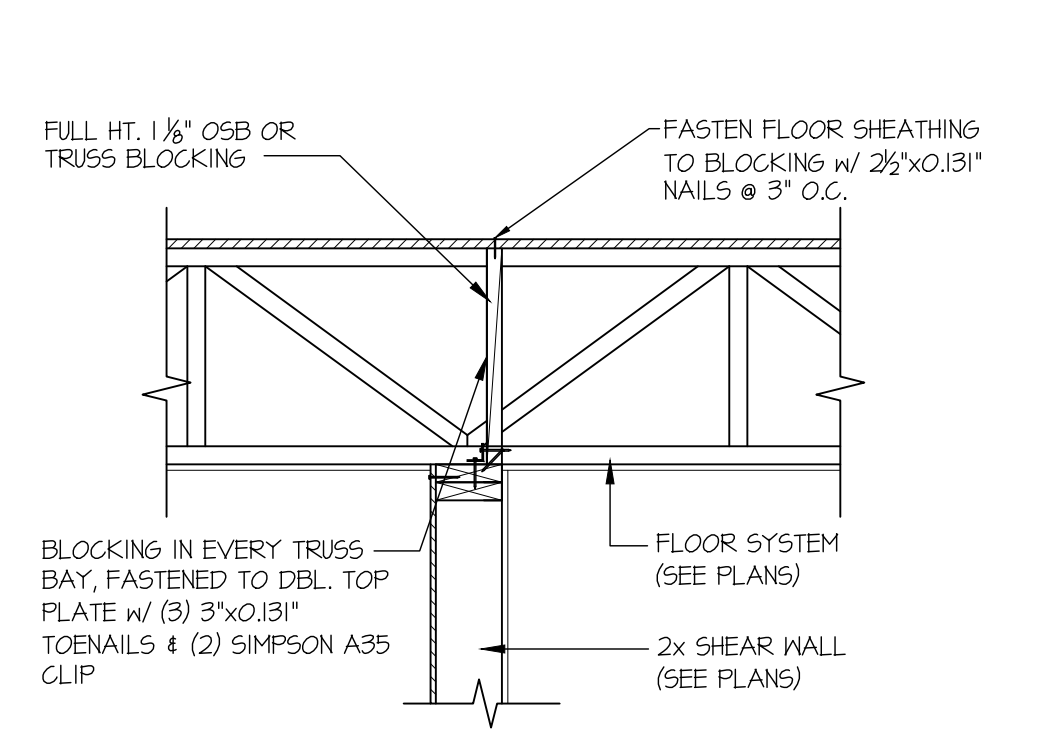
4 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/4"=1'-0" PARALLEL FRAMING



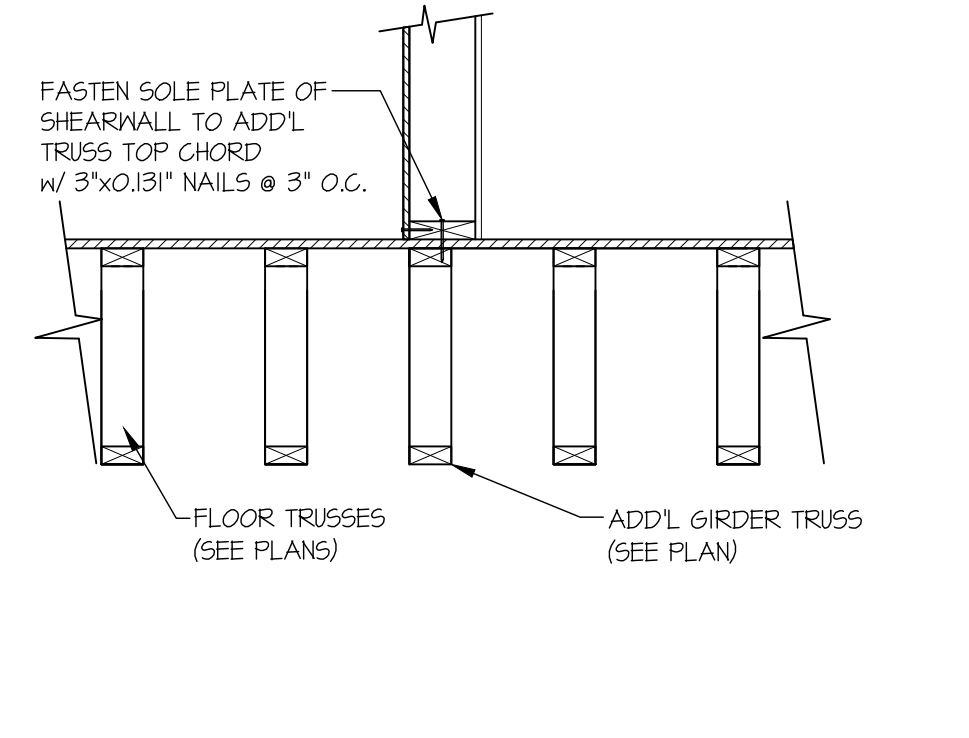
5 TYPICAL SHEAR TRANSFER DETAIL BETWEEN DECK @ EXTERIOR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



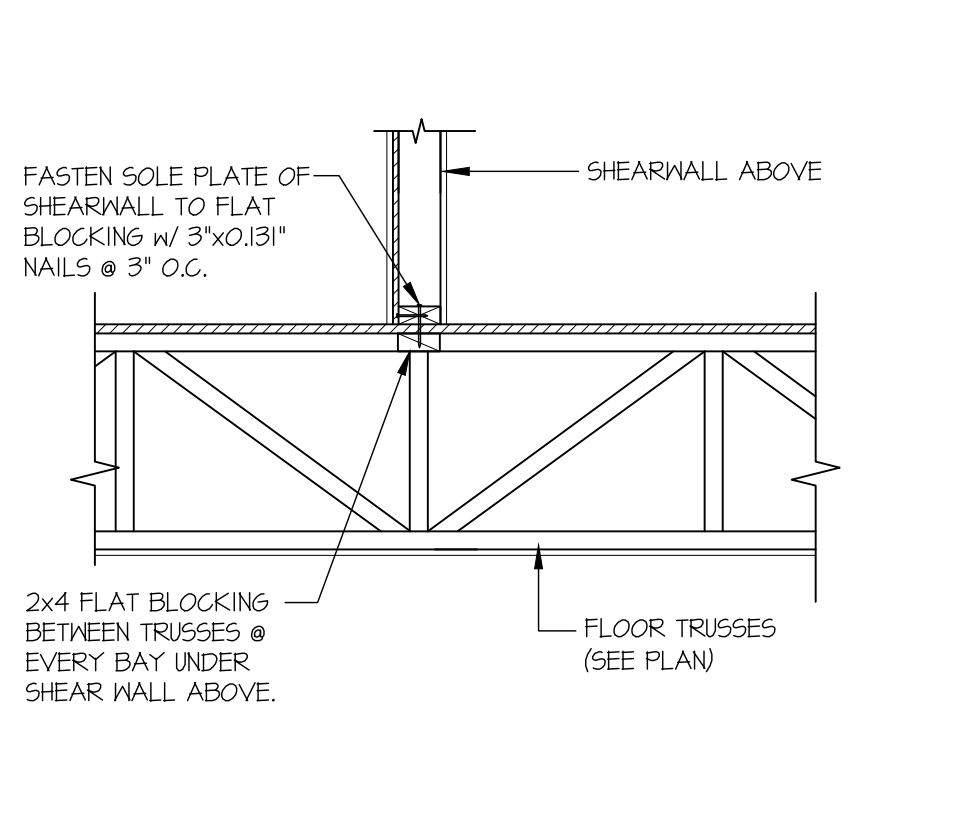
12 SHEAR TRANSFER DETAIL @ SHEAR WALL BELOW
SCALE: 3/4"=1'-0"



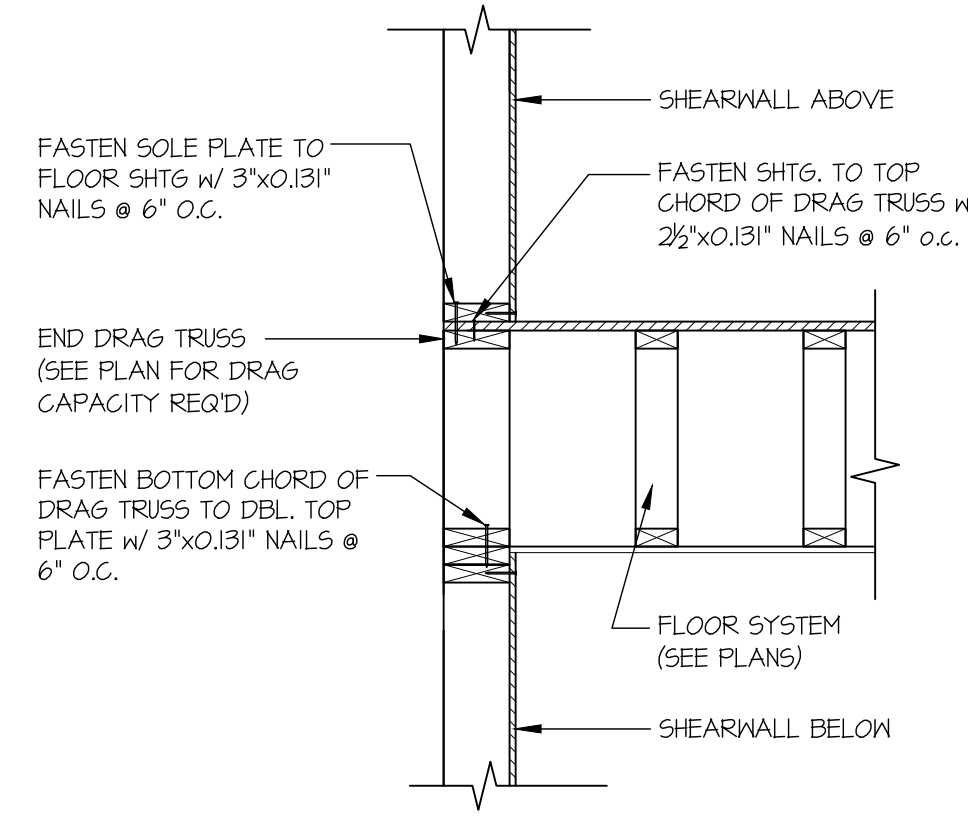
14 SHEAR TRANSFER DETAIL @ SHEAR WALL BELOW
SCALE: 3/4"=1'-0"



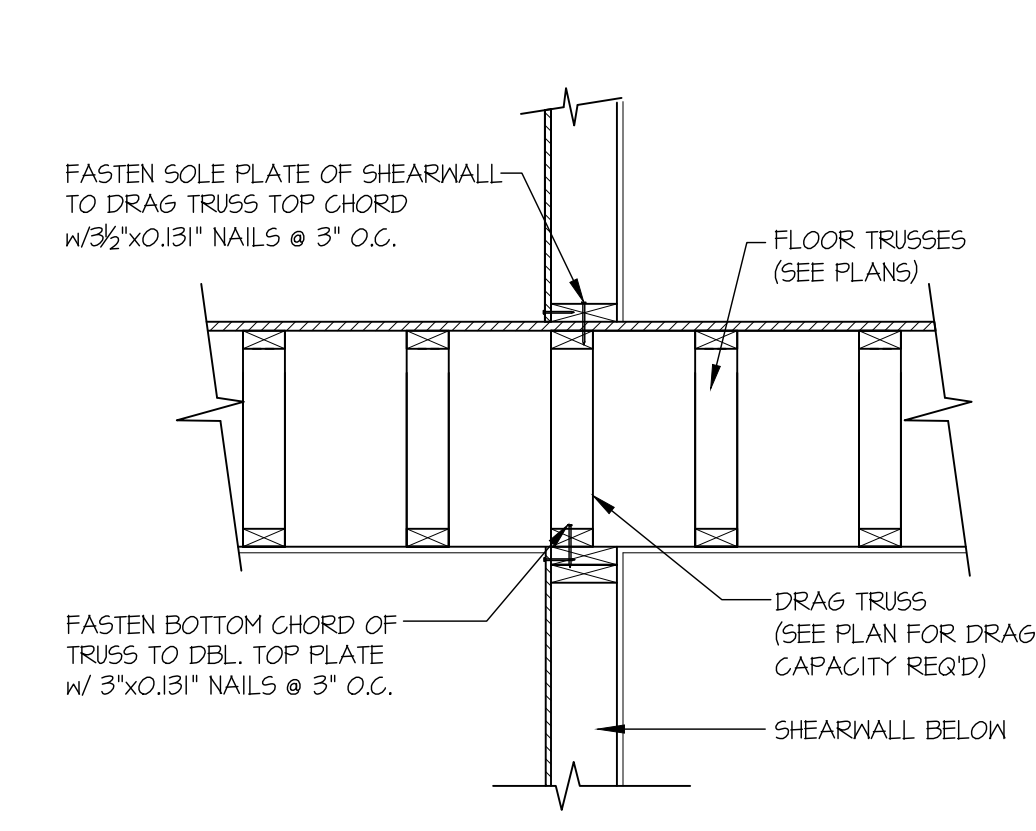
19 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0" PARALLEL FRAMING



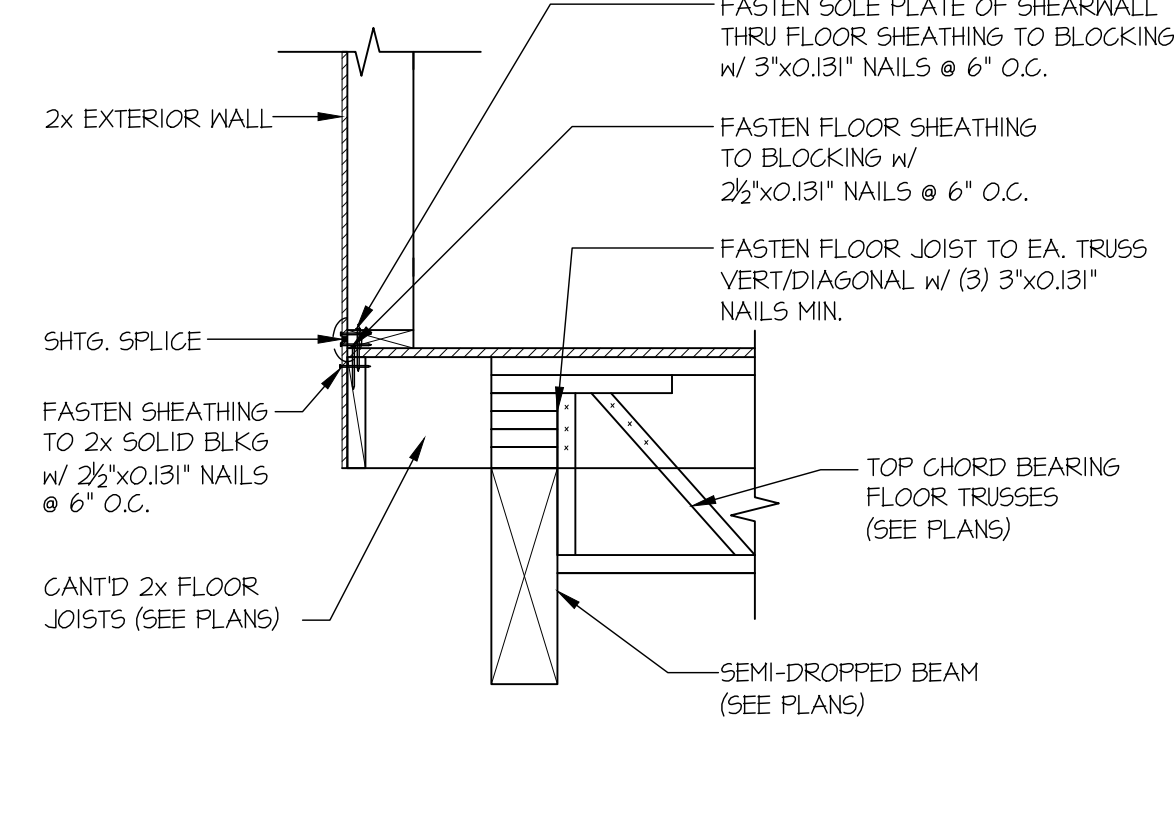
20 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



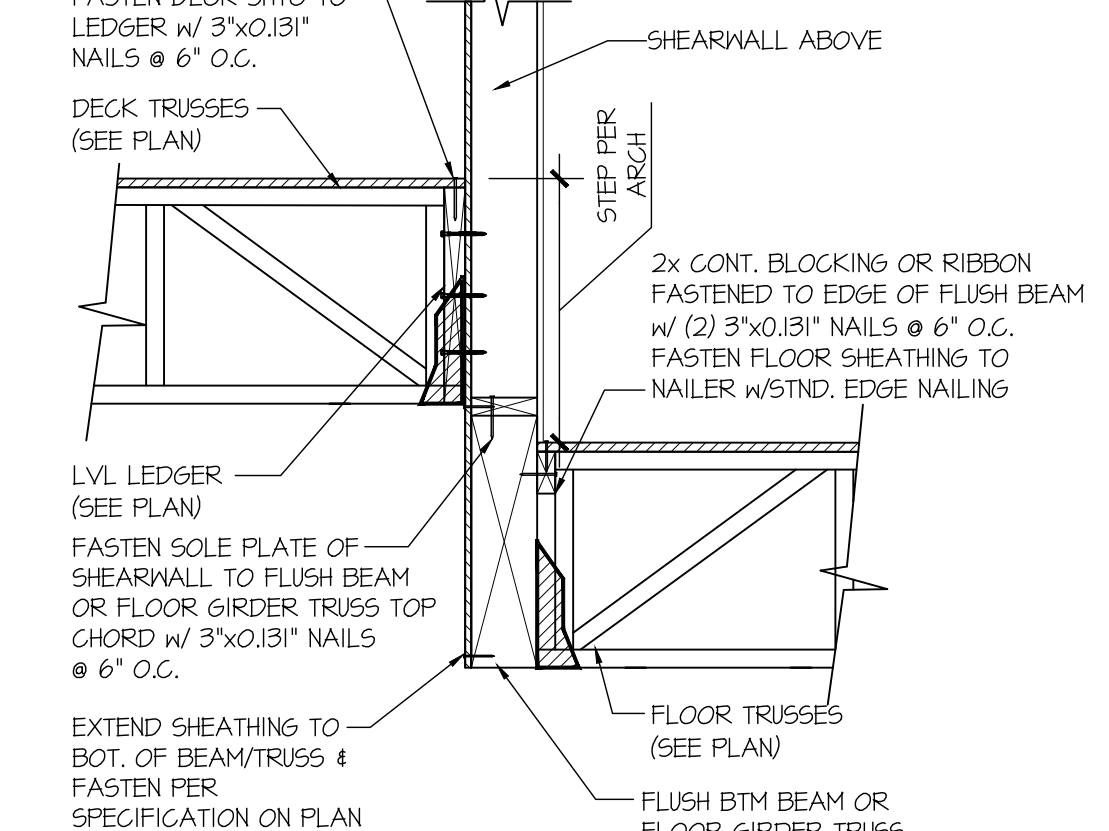
22 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ INTERIOR WALL
SCALE: 3/4"=1'-0"



23 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: 3/4"=1'-0"



31 SHEAR TRANSFER DETAIL BETWEEN FLOORS @ CANT'D EXT. WALL
SCALE: 3/4"=1'-0"



40 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



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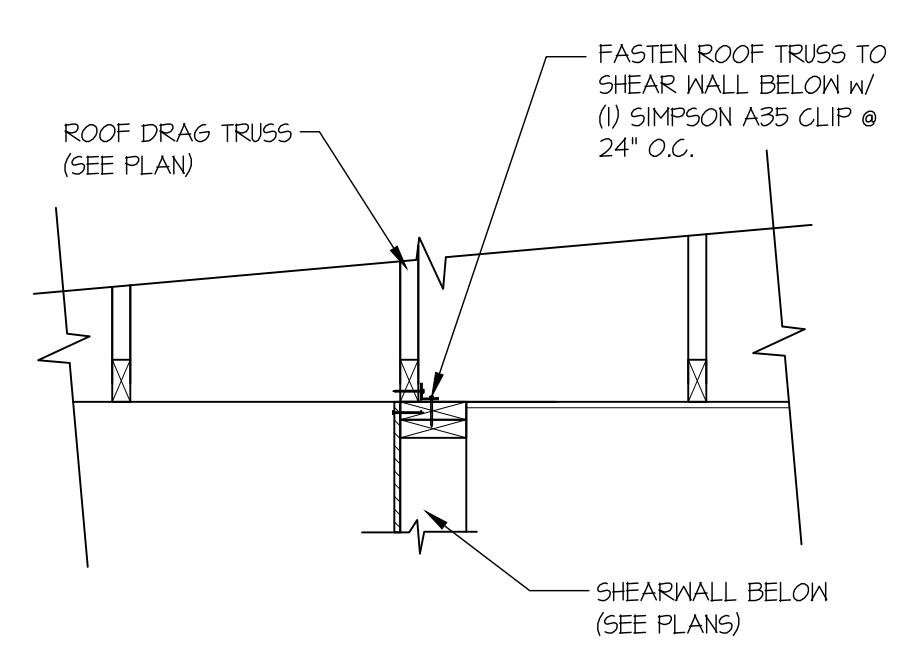
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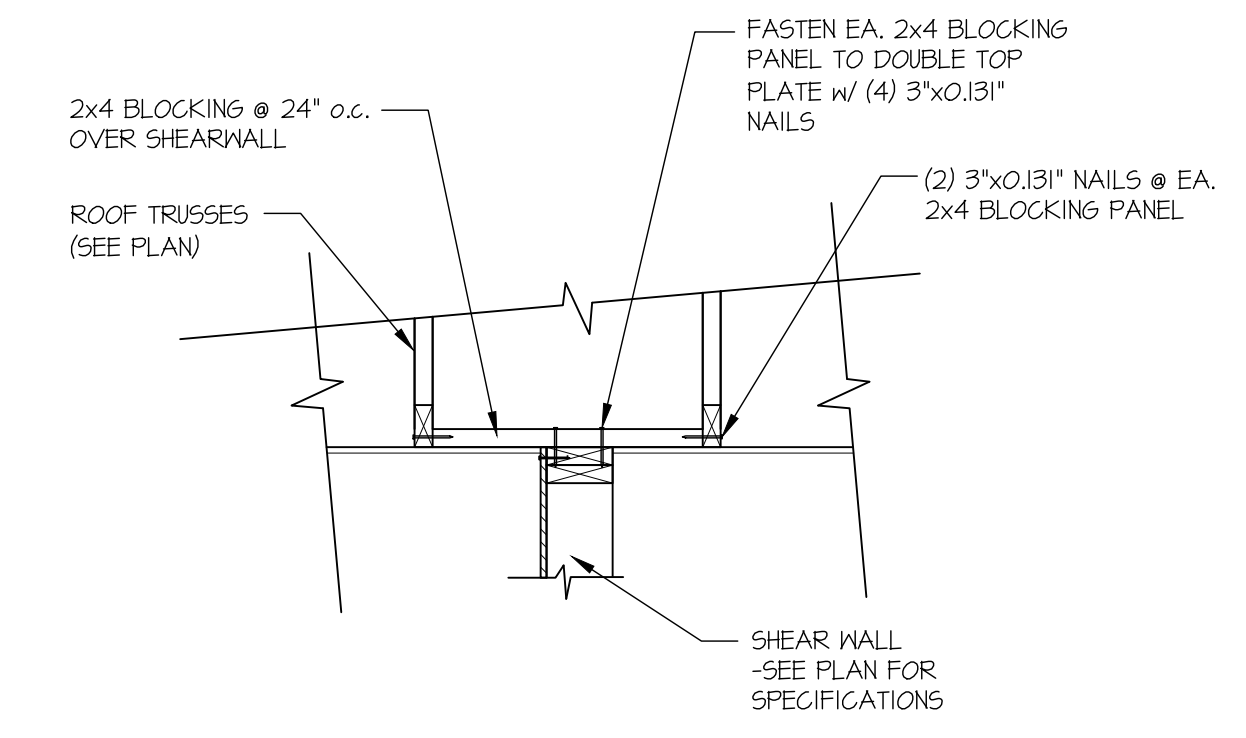
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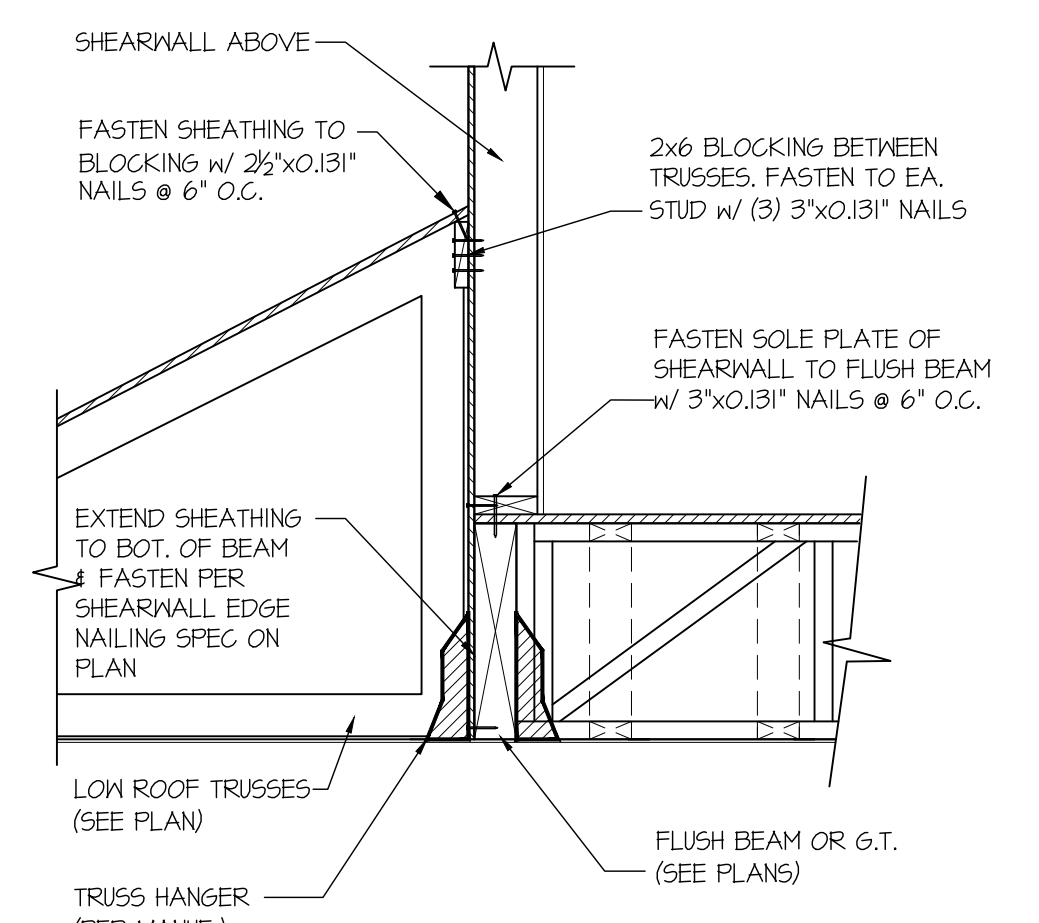
sheet: SD-3



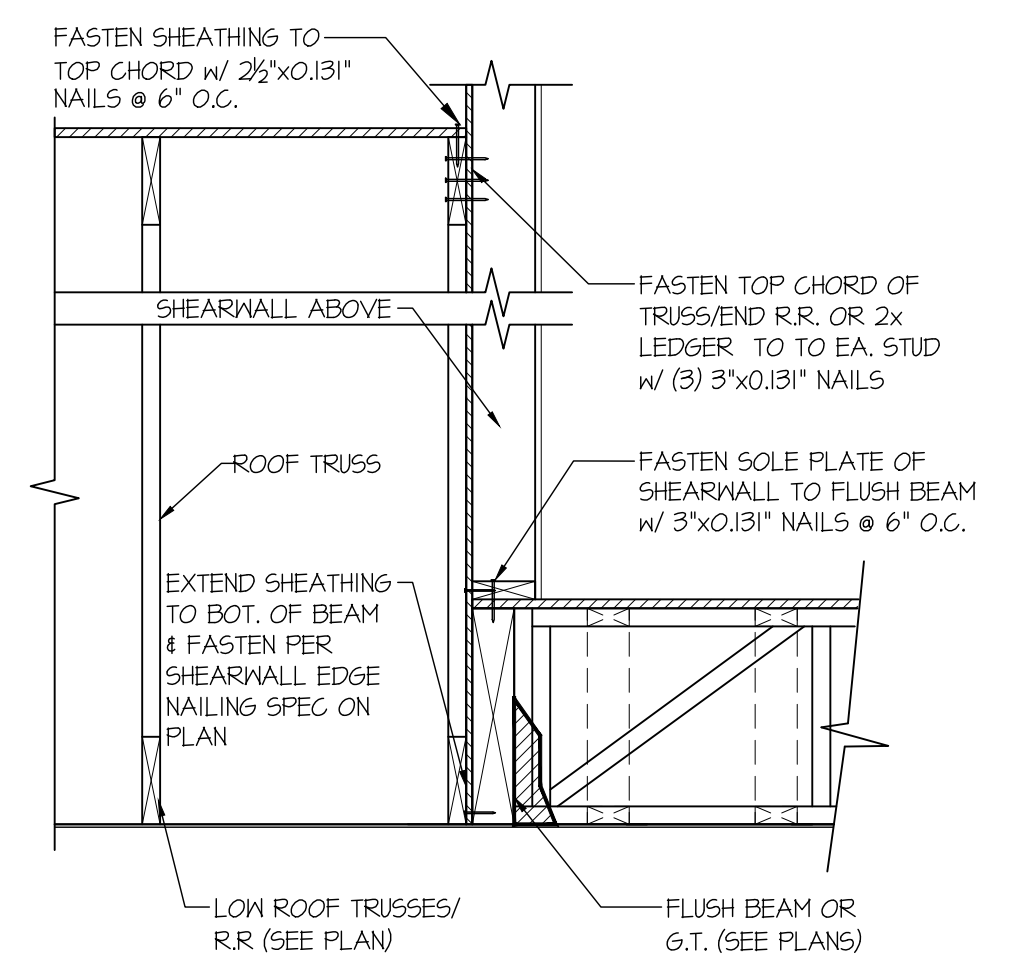
47 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"



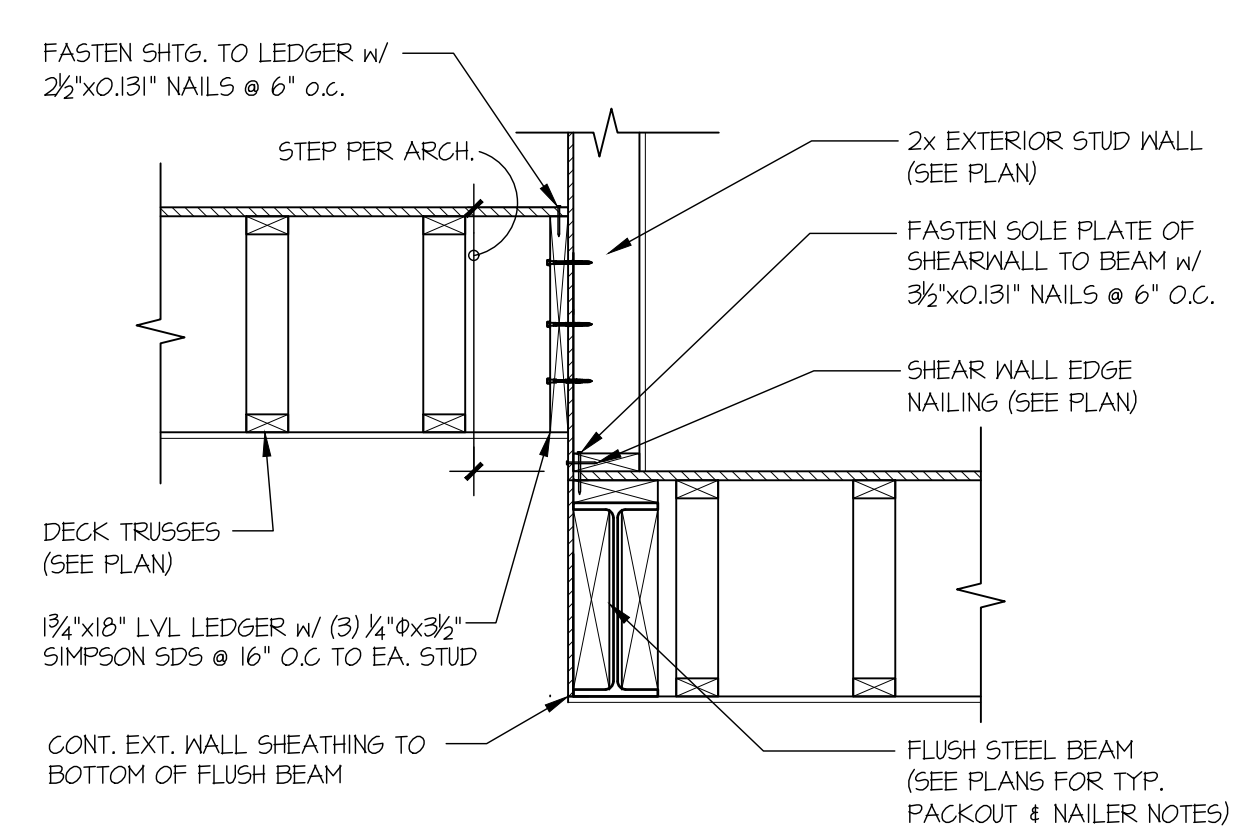
48 SHEAR TRANSFER DETAIL @ INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"



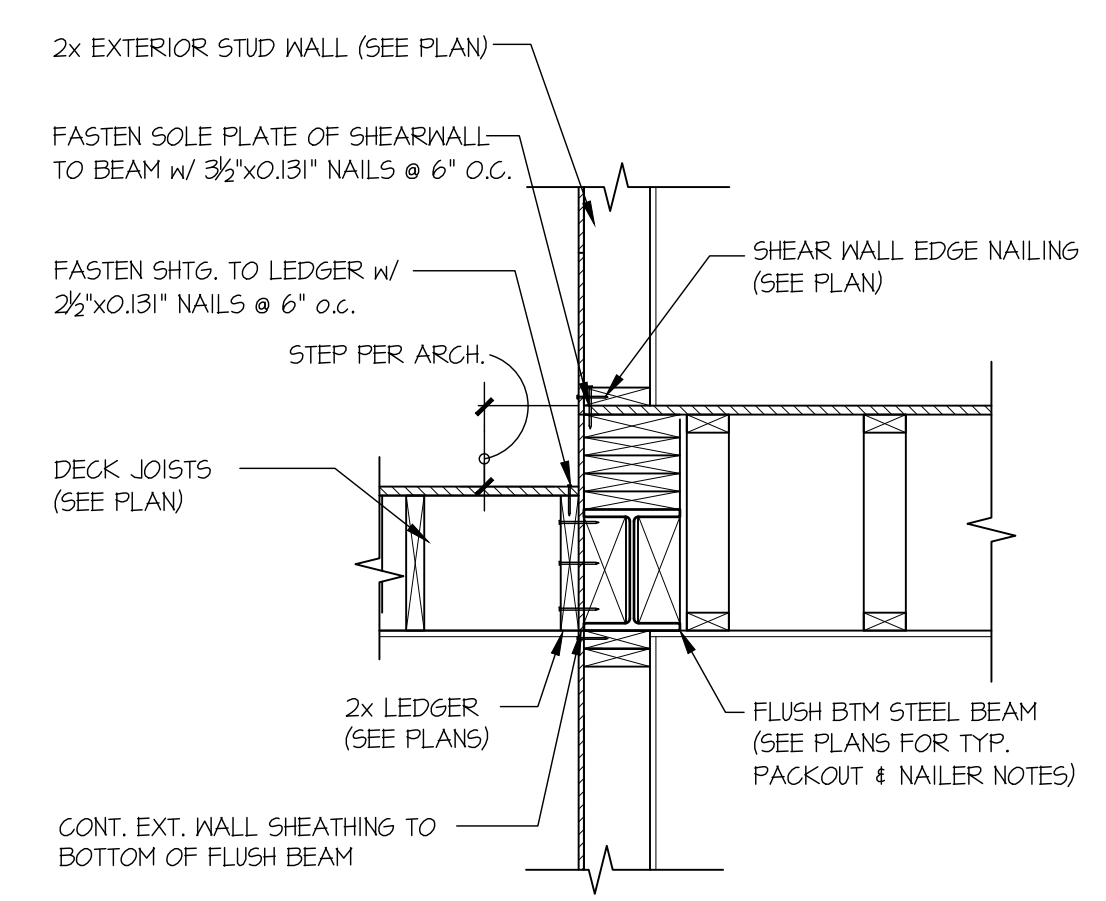
58 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



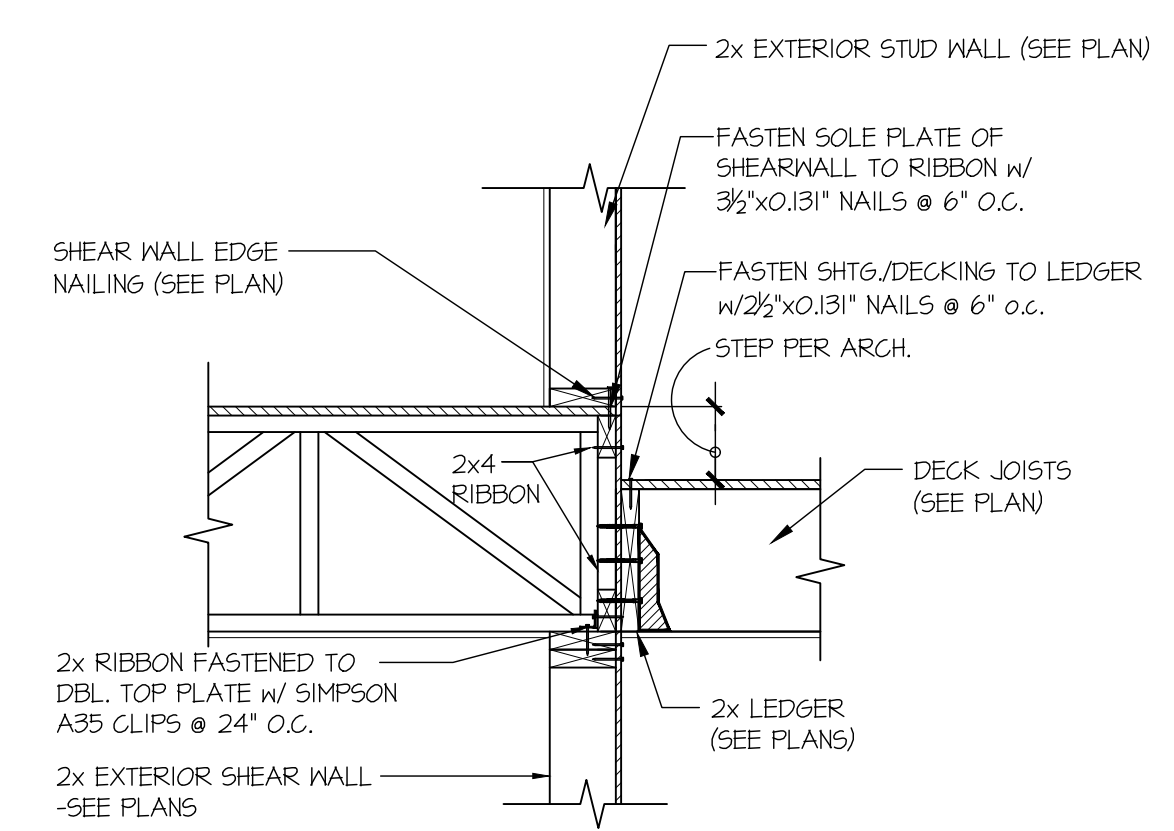
59 SHEAR TRANSFER DETAIL @ EXTERIOR SHEARWALL ABOVE
SCALE: 3/4"=1'-0"



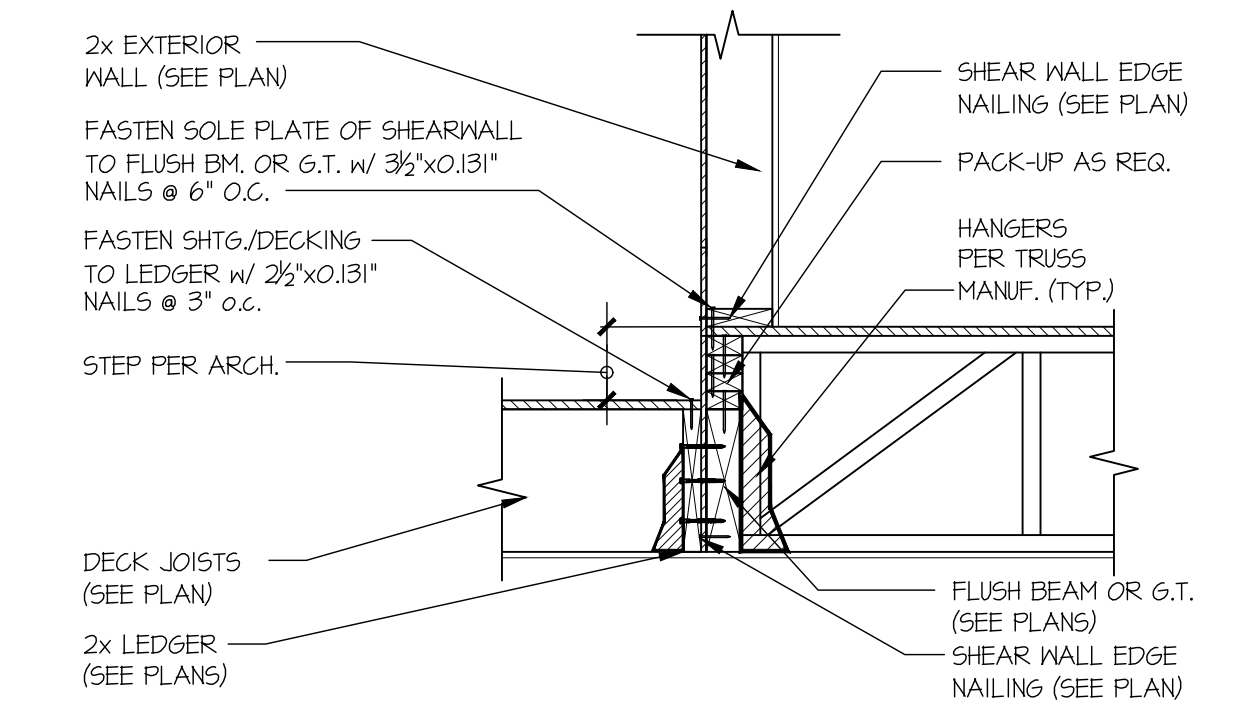
72 TYPICAL SHEAR TRANSFER DETAIL @ EXT. DECK FRAMING
SCALE: 3/4"=1'-0"



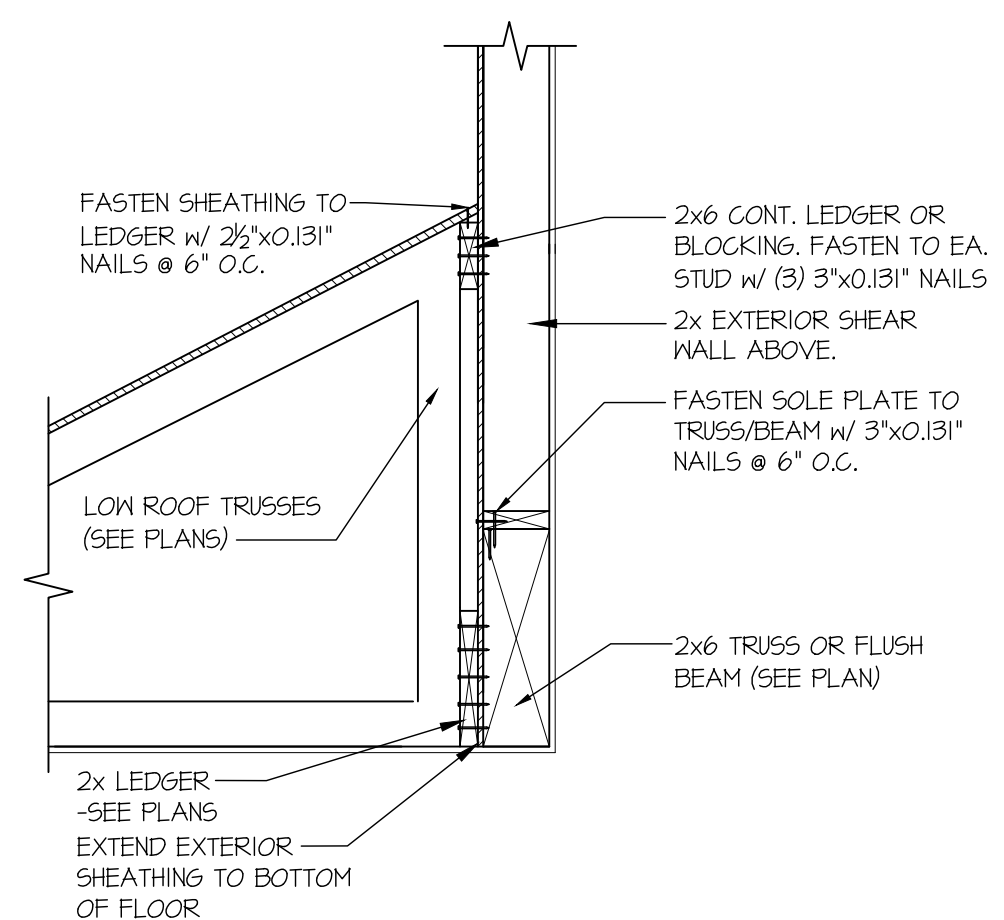
78 TYPICAL SHEAR TRANSFER DETAIL @ EXT. DECK FRAMING
SCALE: 3/4"=1'-0"



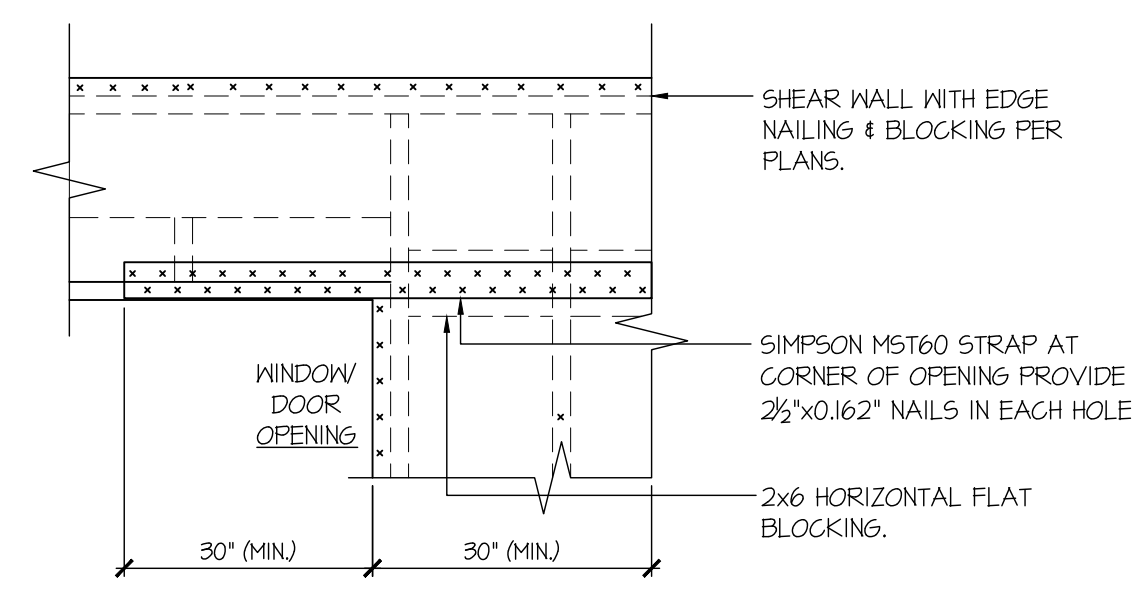
79 TYPICAL SHEAR TRANSFER DETAIL @ EXT. DECK FRAMING
SCALE: 3/4"=1'-0"



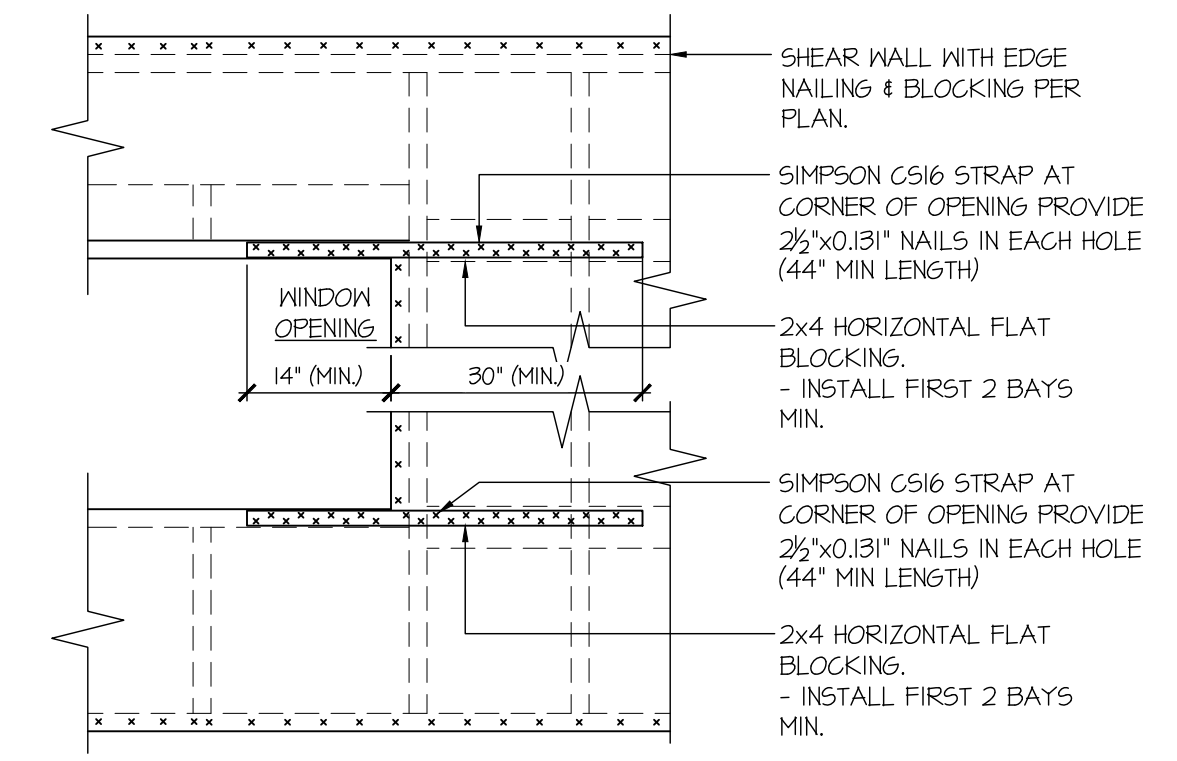
83 SHEAR TRANSFER DETAIL @ EXT. DECK FRAMING
SCALE: 3/4"=1'-0"



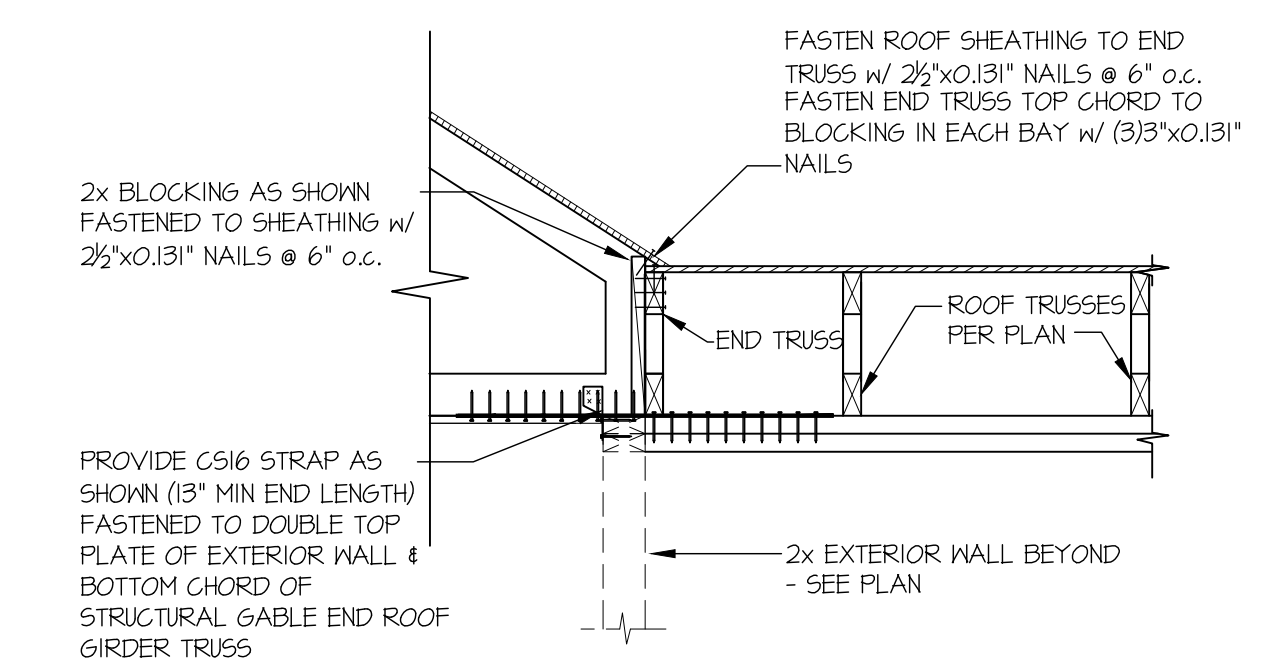
88 SECTION
SCALE: 3/4"=1'-0"



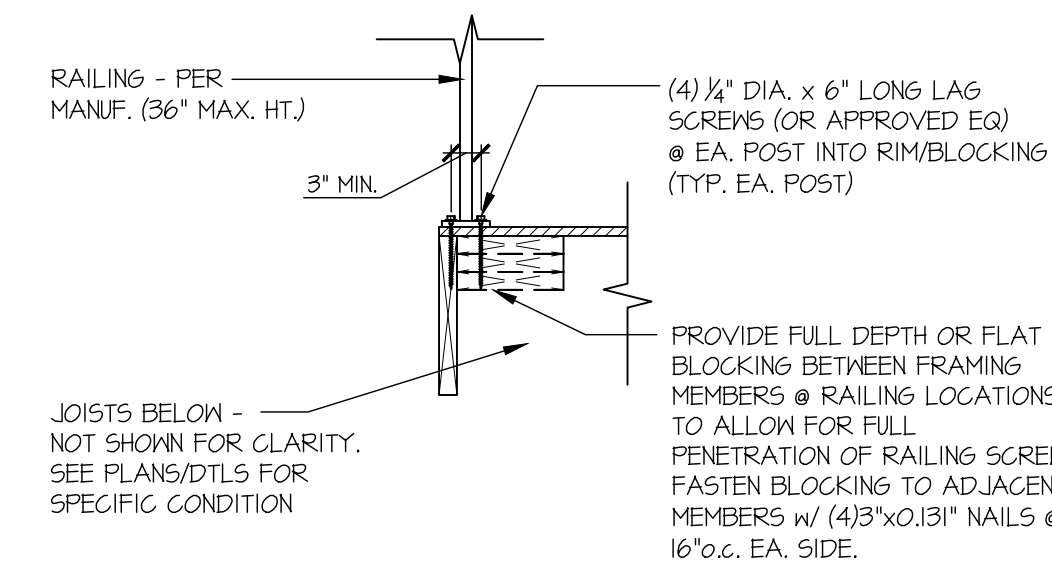
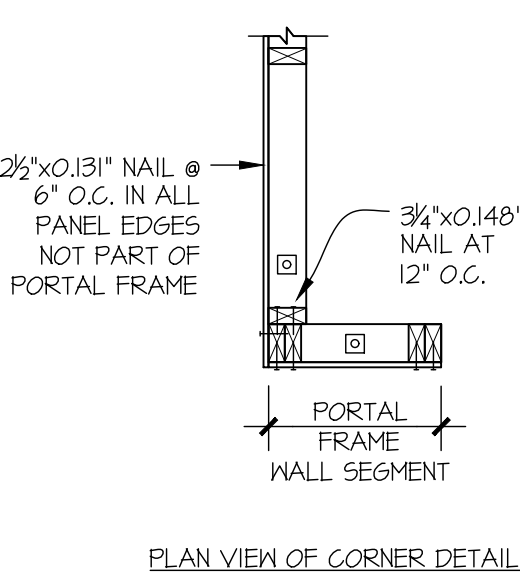
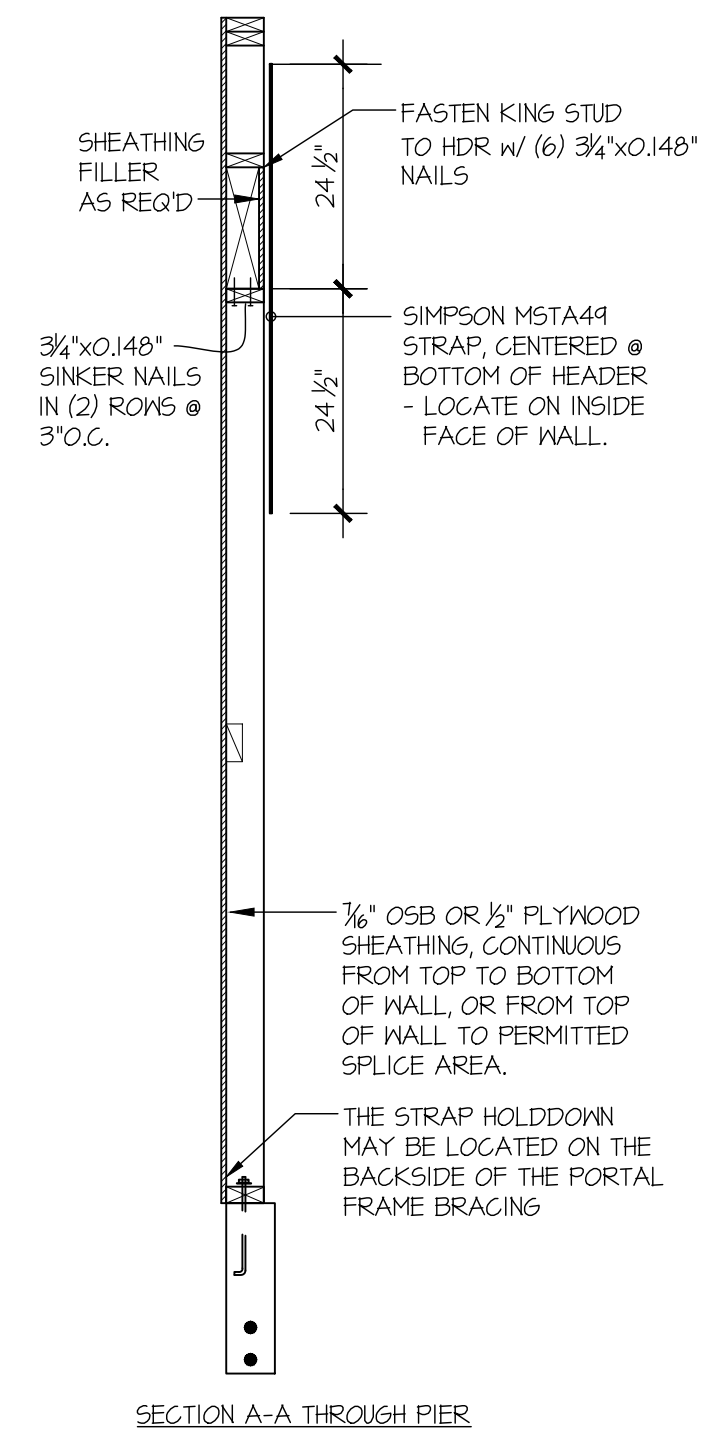
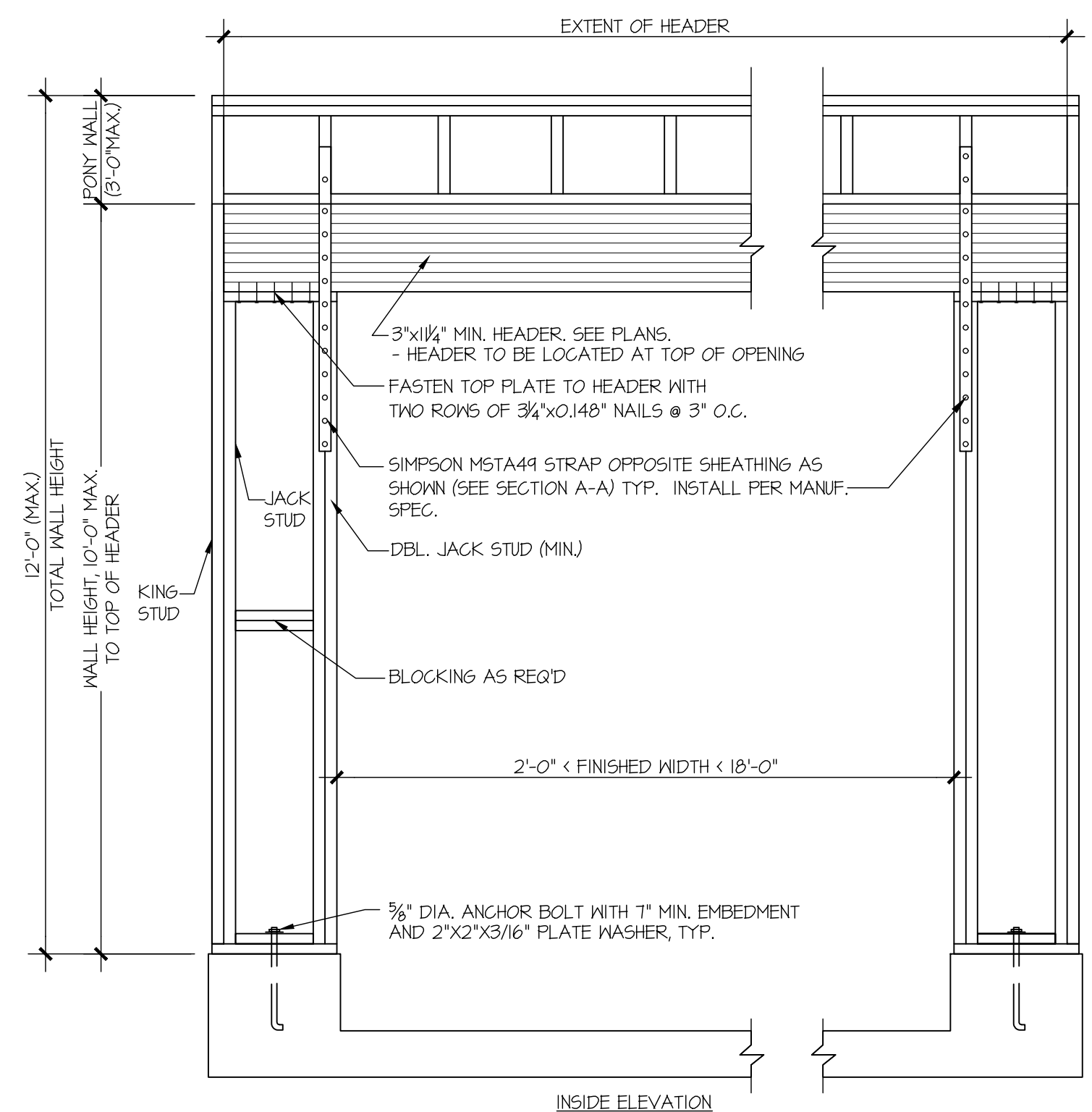
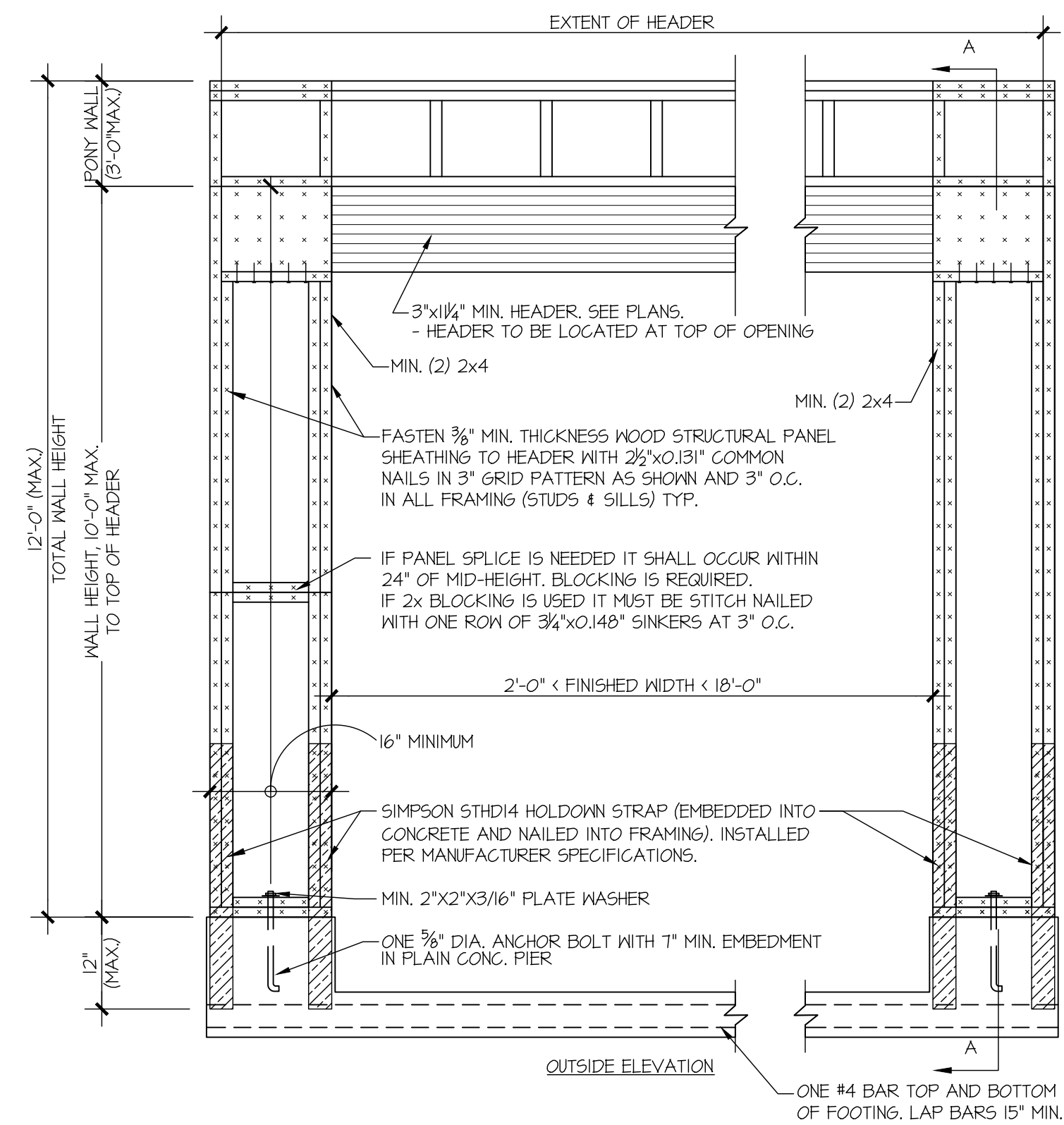
92 EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE: NTS



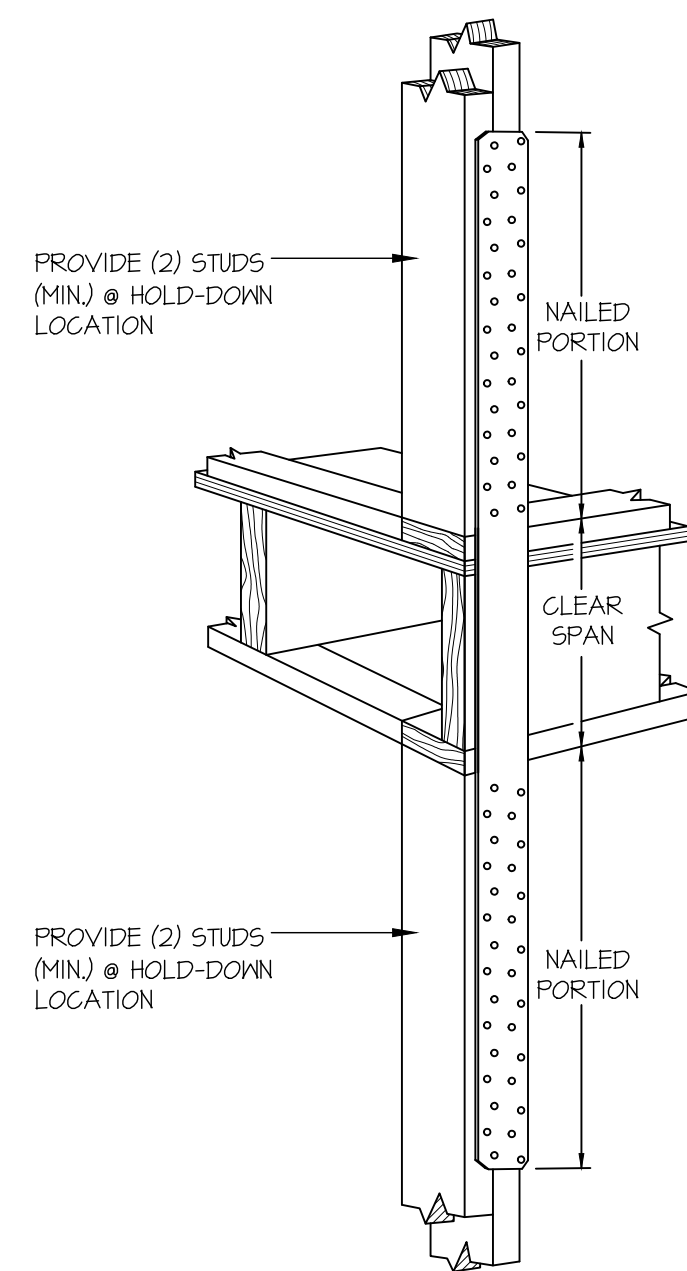
94 EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE: NTS



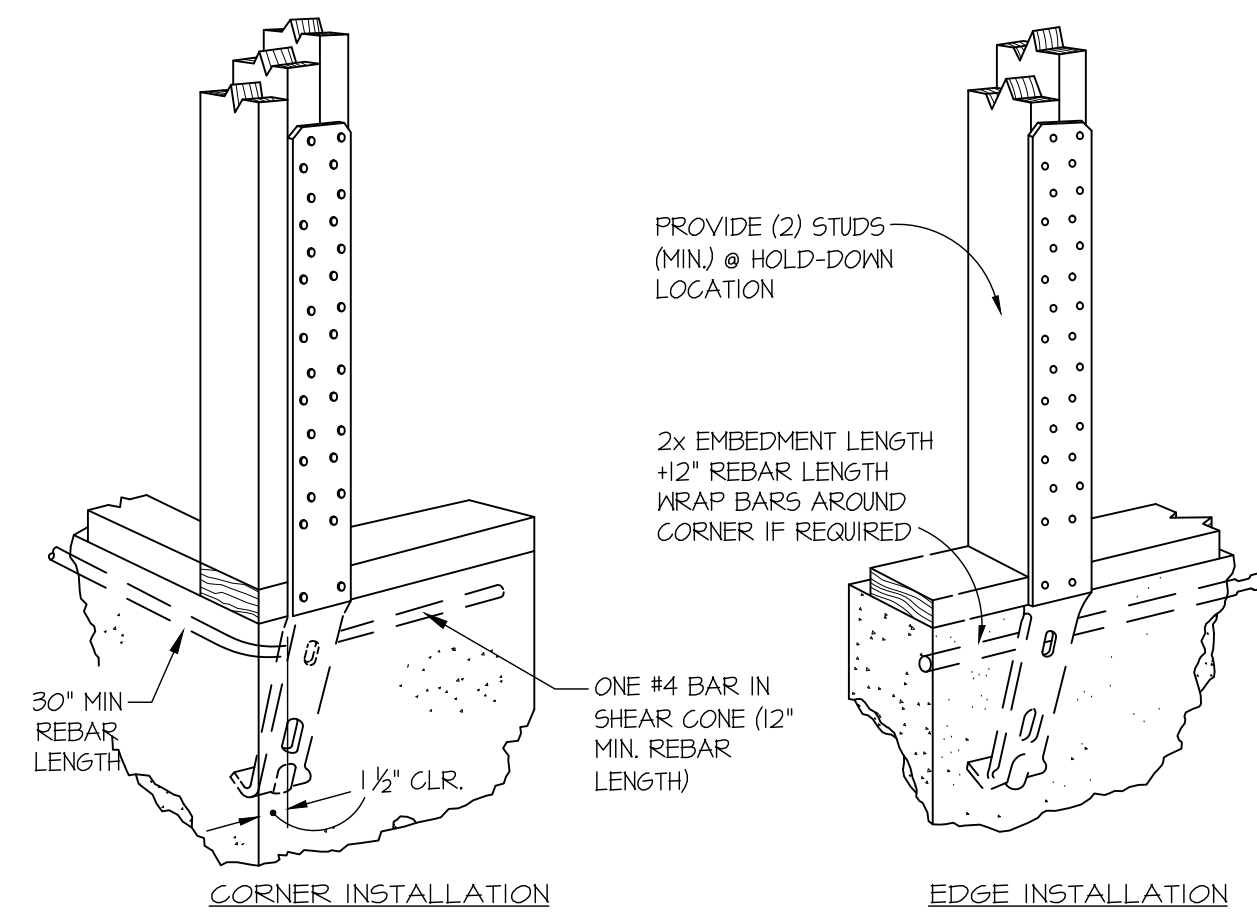
117 STRAP DETAIL
SCALE: 3/4"=1'-0"



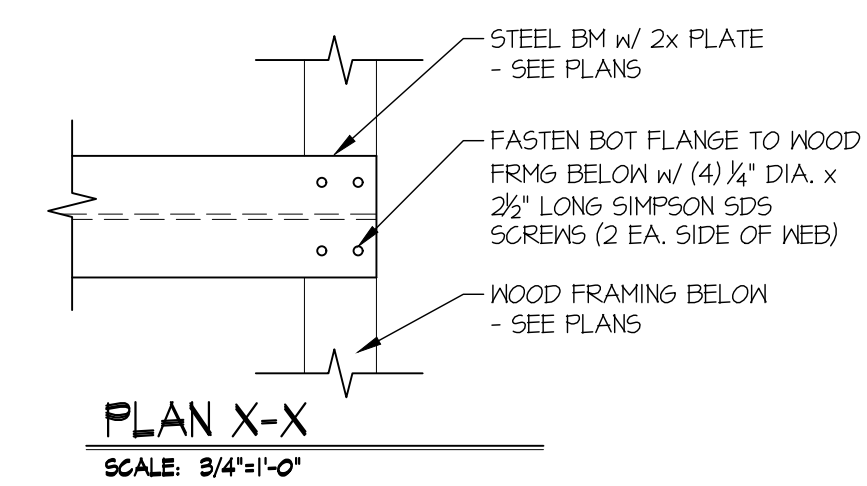
A TYP. RAILING CONNECTION
SCALE: 3/4"=1'-0" WOOD FRMG BELOW



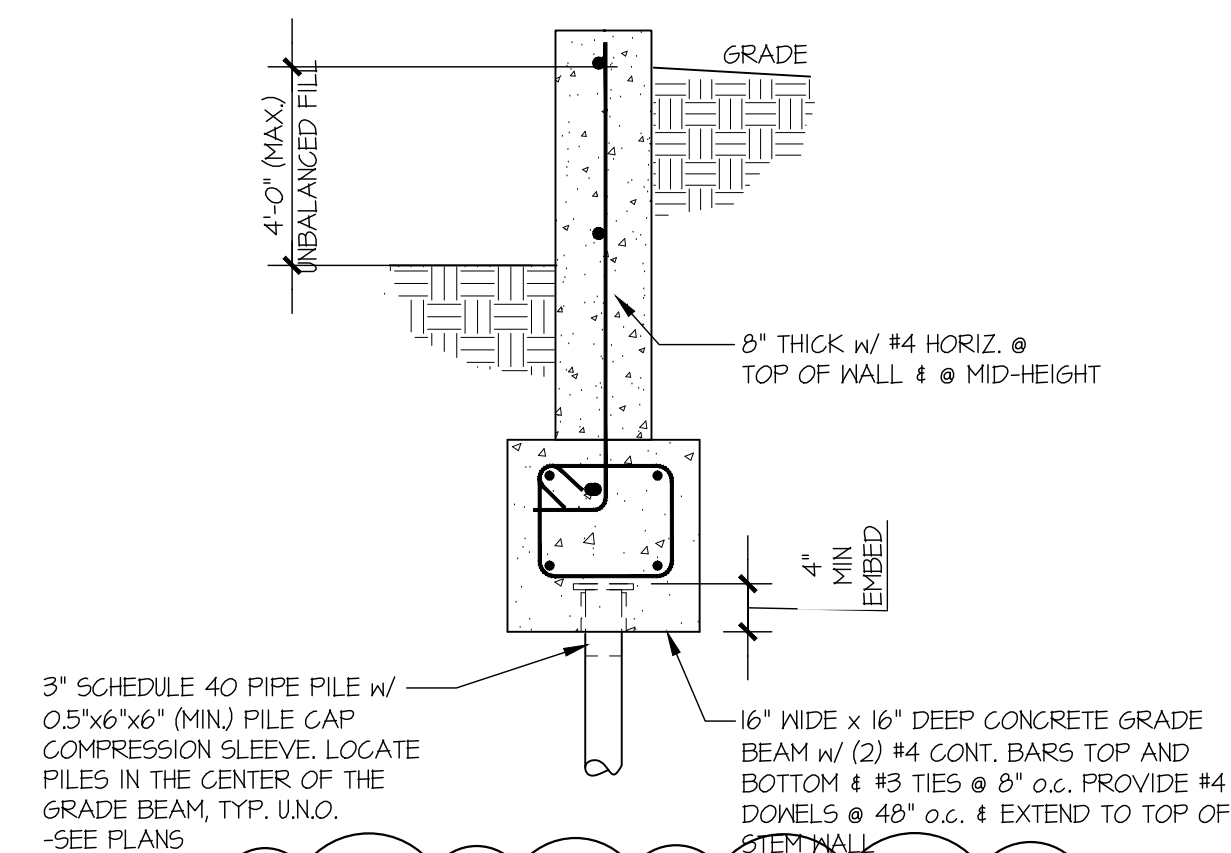
C TYPICAL HOLD-DOWN INSTALLATION
NOT TO SCALE SIMPSON STRAP HD @ FLOOR FRAMING



B TYPICAL HOLD-DOWN INSTALLATION
NOT TO SCALE



D STL BM TO WOOD FRMG CONNECTION
SCALE: 3/4"=1'-0"'"



E SITE RETAINING WALL
SCALE: 3/4"=1'-0"'"

1 APA PORTAL FRAME DETAIL WITH HOLDOWNS
SCALE: N.T.S.



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