

GENERAL NOTES

1. CODE COMPLIANCE: ALL WORK SHALL COMPLY WITH THE 2018 IRC, 2018 IMC, 2018 IFGC, 2018 IFG, 2018 UPC, 2018 IMC, 2008 NEC, 2018 INTERNATIONAL ENERGY CONSERVATION CODE WITH WASHINGTON STATE AMENDMENTS, 2009 ICC A17.1, AND WITH ALL LOCAL CODES AND ORDINANCES.

ENERGY NOTES

CLIMATIC ZONE: ZONE #4C - MARINE
THERMAL STANDARDS FOR OPENINGS: UNLIMITED OPTION
CODE: 2018 W.S.E.C. & 2018 IRC, WAC 511-11R
SPACE HEAT TYPE: NATURAL GAS, FORCED AIR SYSTEM

WHOLE HOUSE VENTILATION

a. WHOLE HOUSE VENTILATION SHALL BE PROVIDED BY ERV/HRV W/ INTEGRAL FANS, PROVIDING MIN. 90 CFM RUNNING CONTINUOUSLY PER 2018 IRC TABLE M1505.4.2 (1)(2). FAN SHALL BE LESS THAN .35 WATT PER CFM AND RUN CONTINUOUSLY, AND HAVE A SONE RATING OF LESS THAN 1.0.

PROJECT DATA

PROJECT ADDRESS: 4603 89TH AVE SE MERCER ISLAND 98040
PROPERTY TAX ID NUMBER: 019110-0645
SCOPE OF WORK: CONSTRUCTION OF NEW TWO-STORY SINGLE FAMILY RESIDENCE WITH ATTACHED GARAGE, DETACHED ADU

PROJECT TEAM

OWNER: ADAM KOCH
CONTRACTOR: BUILD MODERN HOMES CORP
ARCHITECT: STURMAN ARCHITECTS, INC.
STRUCTURAL: ANNÉE STRUCTURAL ENGINEERING

LEGAL DESCRIPTION

PER FIDUCIARY BARGAIN AND SALE DEED RECORDING #20090922000431
LOT 1, BLOCK 9, ALLVIEW HEIGHTS ADDITION TO SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 16 OF PLATS, PAGE 20, IN KING COUNTY, WA.

2018 WSEC CREDITS

Table with columns: OPTION, CREDITS, DESCRIPTION. Lists energy efficiency credits for heat pump, fenestration, and HVAC equipment.

Table with columns: OPTION, CREDITS, DESCRIPTION. Lists energy efficiency credits for heat pump, fenestration, and ductless split system.

NOXIOUS WEEDS

DEVELOPMENT PROPOSALS FOR A NEW SINGLE-FAMILY HOME SHALL REMOVE JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM) AND REGULATED CLASS A, REGULATED CLASS B, AND REGULATED CLASS C WEEDS IDENTIFIED ON THE KING COUNTY NOXIOUS WEED LIST.

DUTY OF COOPERATION

RELEASE AND ACCEPTANCE OF THESE DOCUMENTS INDICATES COOPERATION AMONG THE OWNER, CONTRACTOR, AND STURMAN ARCHITECTS. ANY ERRORS, OMISSIONS, OR DISCREPANCIES DISCOVERED IN THE USE OF THESE DOCUMENTS SHALL BE REPORTED IMMEDIATELY TO STURMAN ARCHITECTS.

BUILDING AREA

Table showing building area breakdown: PROPOSED HOUSE (1387 SF), MAIN FLOOR (1788 SF), UPPER FLOOR (3175 SF), ATTACHED GARAGE (608 SF), HOUSE GRAND TOTAL (3783 SF), ATTACHED ADU (455 SF), UNCOVERED DECKS (211 SF).

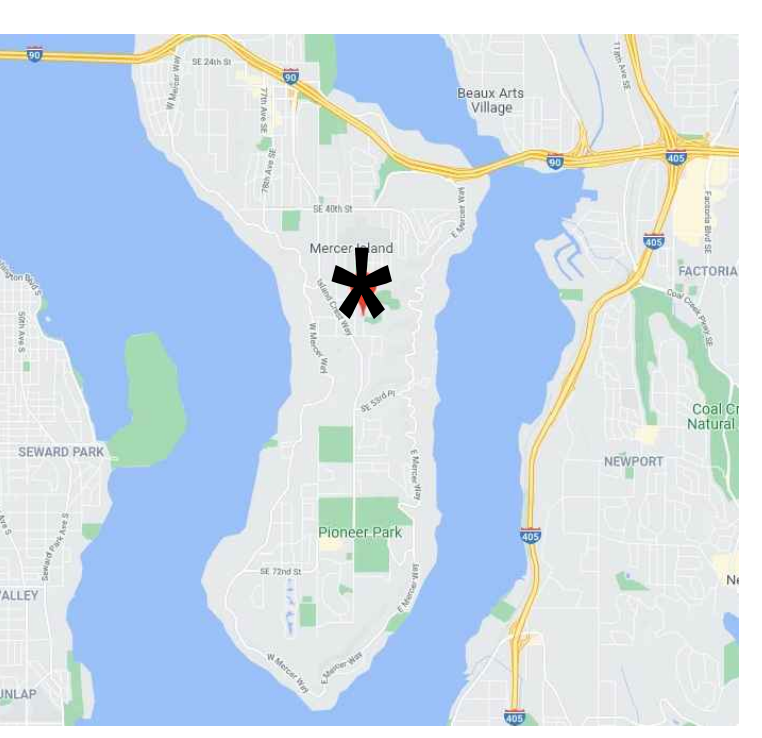
LOT COVERAGE & HARDSCAPE

Table showing lot coverage and hardscape details: LOT COVERAGE (PROPOSED 9525 SF, MAIN ROOF 3129 SF, NOT USED 654 SF, DRIVES/PARKING 3783 SF, % LOT COVERAGE 39.7%), HARDSCAPE (FRONT WALK 167 SF, HOUSE PATIO 105 SF, SPA PATIO 465 SF, SIDE WALK 39 SF, REAR WALK 33 SF, TOTAL HARDSCAPE 809 SF, % HARDSCAPE 8.5%).

GROSS FLOOR AREA

Table showing gross floor area breakdown: BASEMENT EXCLUSION (NEW FLOOR AREA 455 SF), MAIN FLOOR (1387 SF), UPPER FLOOR (1788 SF), GARAGE (608 SF), ROOF DECK (10.5 SF), GROSS FLOOR AREA (4248.5 SF).

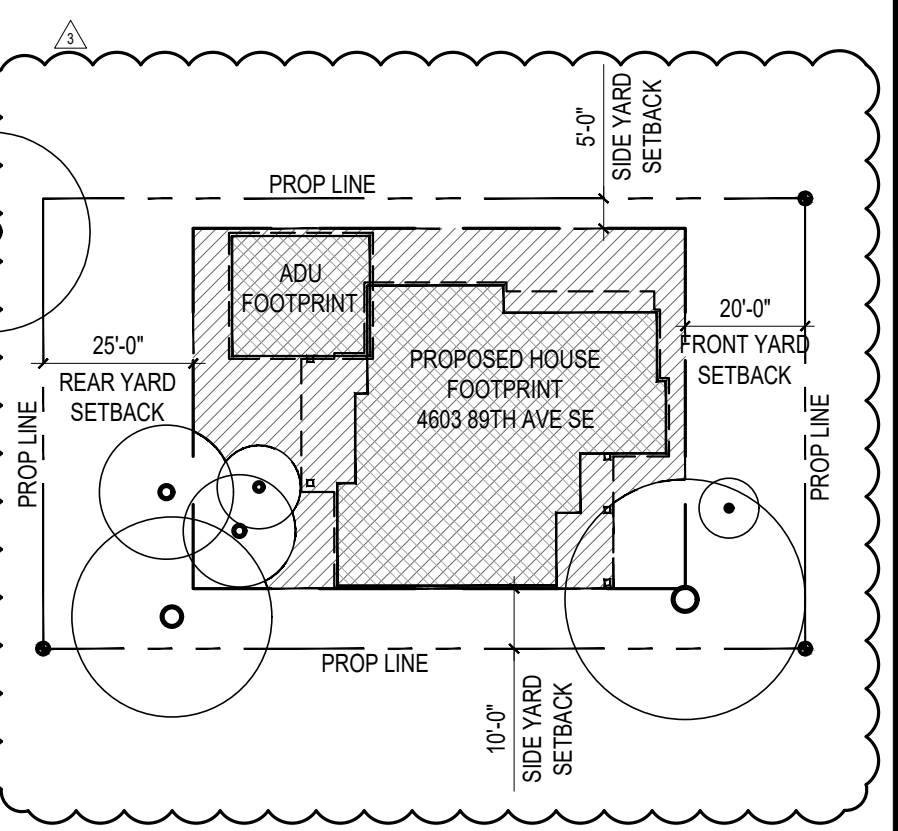
VICINITY MAP



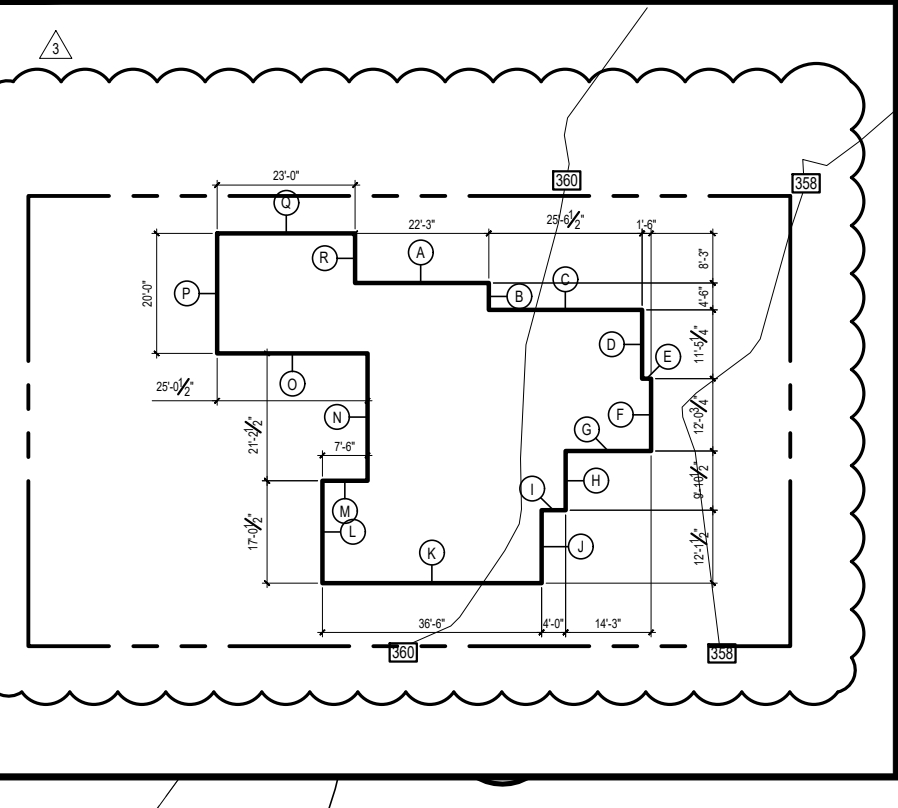
SHEET INDEX

- A1.0 COVER SHEET - GENERAL & ENERGY NOTES, LEGAL, PROJECT DATA, INDEX, SITE PLAN
A1.1 EXCAVATION PLAN
A1.2 REPLACEMENT TREE PLAN
SURVEY
C-1 TESC PLAN
C-2 DRAINAGE PLAN
C-3 CIVIL DETAILS
A2.0 MAIN FLOOR PLAN
A2.1 UPPER FLOOR
A2.2 ROOF PLAN
A3.0 EXTERIOR ELEVATIONS
A3.1 EXTERIOR ELEVATIONS
A3.2 EXTERIOR ELEVATIONS
A4.0 BUILDING SECTIONS
A4.1 BUILDING SECTIONS
A4.2 BUILDING SECTIONS
A5.0 WALL SECTIONS
A6.0 ARCHITECTURAL DETAILS

BUILDING PAD DIAGRAM SCALE: 1/32" = 1'-0"



ABE KEY PLAN SCALE: 1/32" = 1'-0"

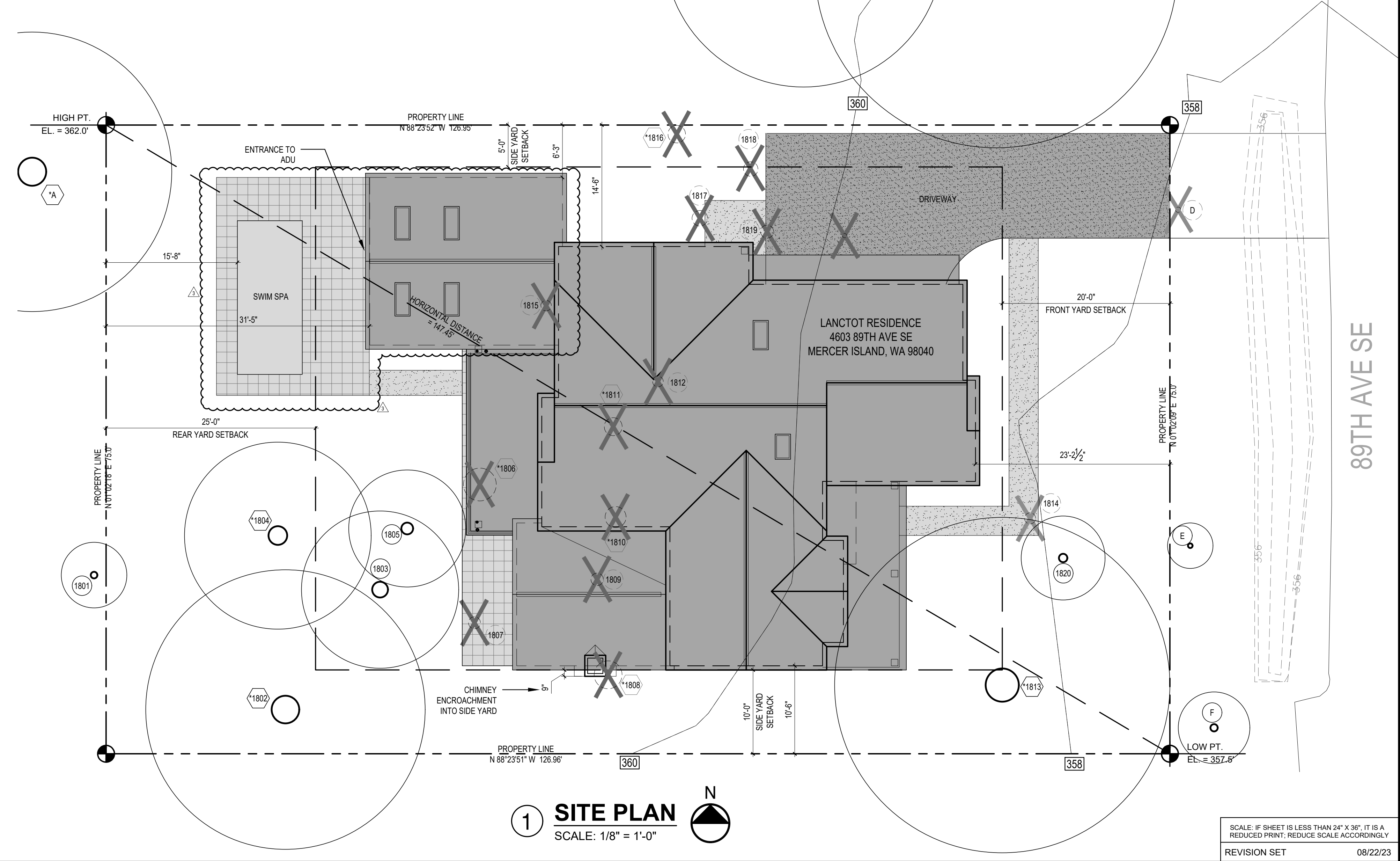


AVERAGE BUILDING ELEV.

Table showing average building elevation data: HOUSE, Wall Length, Elevation Pt., Wall Length X Elev. Pt. (e.g., House A: 22.25, 361.0, 8032.25).

TREE PROTECTION

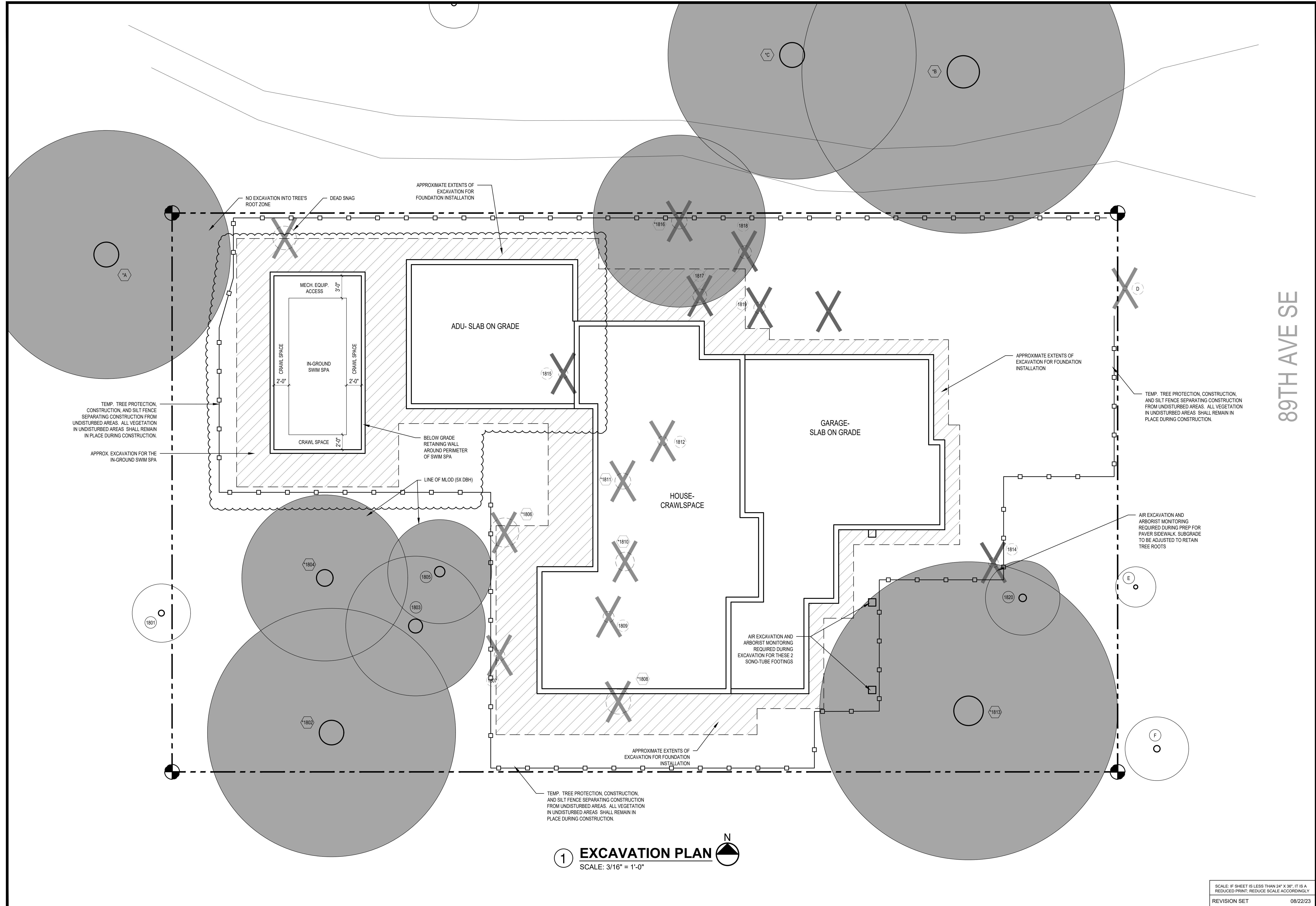
A TREE PROTECTION INSPECTION IS REQUIRED BEFORE START OF WORK



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

STURMAN ARCHITECTS
Koch Residence Permit Set
4603 89th Ave SE
Mercer Island, WA 98040

REVISIONS:
DRAWN BY: KE
CHECKED BY: BUS
SHEET: A1.0
PLOT DATE: 8/22/2023



EXCAVATION PLAN

REVISIONS:

1	2022-11-29	Corrections #1
2	2023-02-15	Corrections #2
3	2023-08-22	Design Revisions

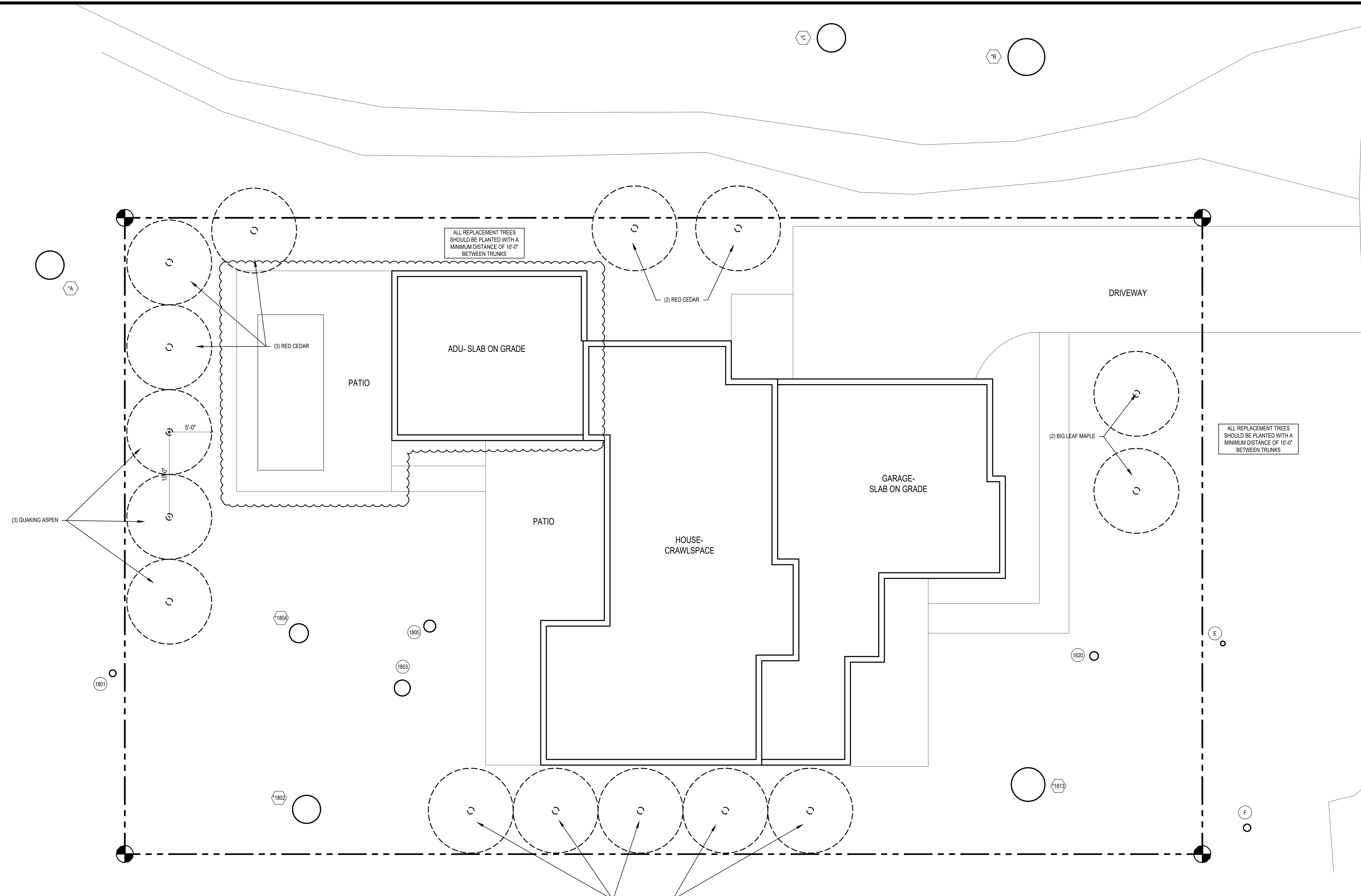
DRAWN BY: KE

CHECKED BY: BJS

SHEET

A1.1

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



ALL REPLACEMENT TREES SHOULD BE PLANTED WITH A MINIMUM DISTANCE OF 10'-0" BETWEEN TRUNKS

ALL REPLACEMENT TREES SHOULD BE PLANTED WITH A MINIMUM DISTANCE OF 10'-0" BETWEEN TRUNKS

REPLACEMENT TREES:

- QUAKING ASPEN = 8
- BIG LEAF MAPLE = 2
- RED CEDAR = 5
- TOTAL REPLACEMENT TREES = 15

REQUIRED REPLACEMENT TREES EQUALS 79
 A FEE IN LIEU OF IS BEING REQUESTED FOR THE REMAINING 64 REPLACEMENT TREES WHICH CANNOT FIT ON THIS SITE.

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



TOPOGRAPHIC & BOUNDARY SURVEY

LEGAL DESCRIPTION

(PER FIDUCIARY BARGAIN AND SALE DEED RECORDING# 20090922000431)

LOT 1, BLOCK 9, ALLVIEW HEIGHTS ADDITION TO SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 16 OF PLATS, PAGE 20, IN KING COUNTY, WASHINGTON.

BASIS OF BEARINGS

N01°02'28"E BETWEEN SURVEY MONUMENT FOUND ON THE CENTERLINE OF 88TH AVE. S.E., PER GPS OBSERVATIONS, WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE.

REFERENCES

- R1 ALLVIEW HEIGHTS ADDITION TO SEATTLE, RECORDED IN VOLUME 16 OF PLATS, PAGE 20, RECORDS OF KING COUNTY, WASHINGTON.
- R2 RECORD OF SURVEY, RECORDED IN BOOK 165 OF SURVEYS, PAGE 162, RECORDS OF KING COUNTY, WASHINGTON.

VERTICAL DATUM

NAVD88, PER GPS OBSERVATIONS.

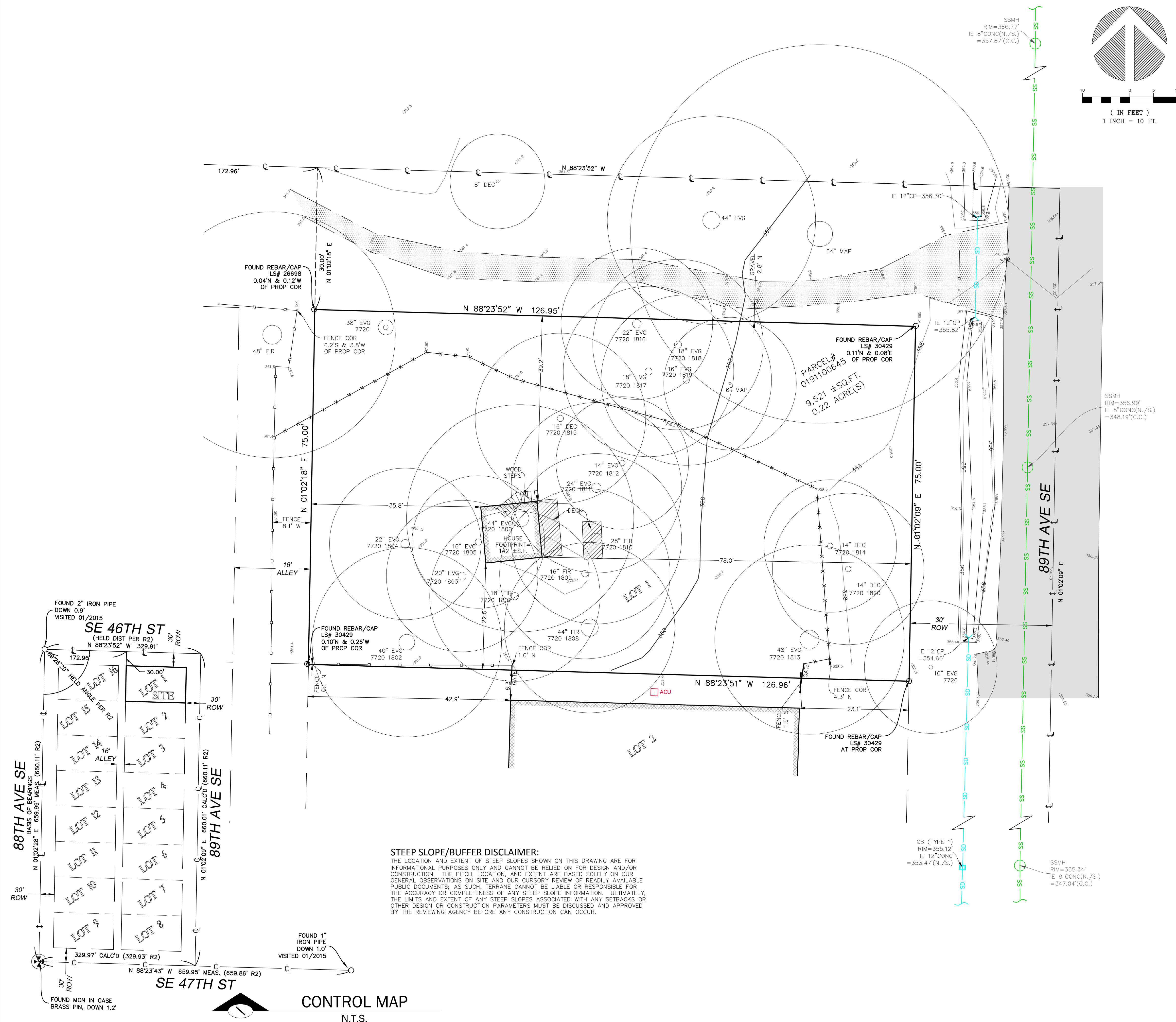
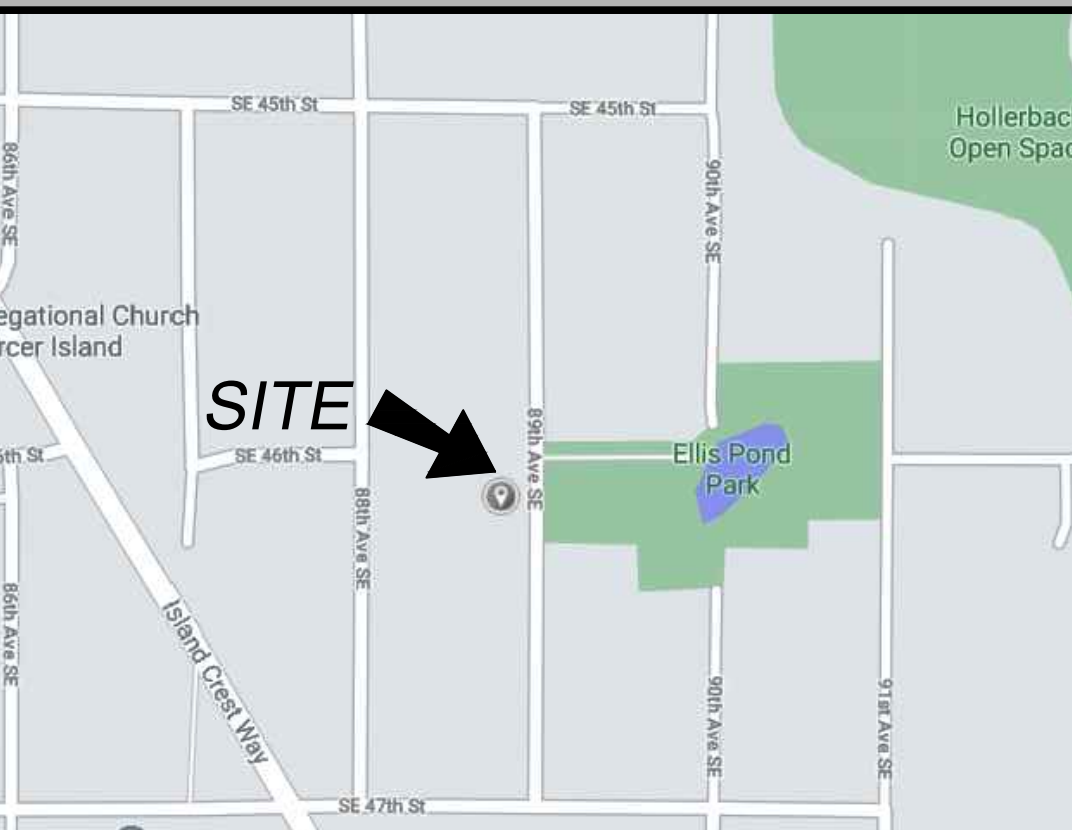
SURVEYOR'S NOTES

1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN SEPTEMBER OF 2020. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.
2. ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.
3. THE TYPES AND LOCATIONS OF ANY UTILITIES SHOWN ON THIS DRAWING ARE BASED ON INFORMATION PROVIDED TO US, BY OTHERS OR GENERAL INFORMATION READILY AVAILABLE IN THE PUBLIC DOMAIN INCLUDING, AS APPLICABLE, IDENTIFYING MARKINGS PLACED BY UTILITY LOCATE SERVICES AND OBSERVED BY TERRANE IN THE FIELD. AS SUCH, THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE RELIED ON FOR DESIGN OR CONSTRUCTION PURPOSES; TERRANE IS NOT RESPONSIBLE OR LIABLE FOR THE ACCURACY OR COMPLETENESS OF THIS UTILITY INFORMATION. FOR THE ACCURATE LOCATION AND TYPE OF UTILITIES NECESSARY FOR DESIGN AND CONSTRUCTION, PLEASE CONTACT THE SITE OWNER AND THE LOCAL UTILITY LOCATE SERVICE (800-424-5555).
4. SUBJECT PROPERTY TAX PARCEL NO. 019110-0645.
5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 9,521 ±S.F. (0.22 ACRES)
6. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
7. FIELD DATA FOR THIS SURVEY WAS OBTAINED BY DIRECT FIELD MEASUREMENTS WITH A CALIBRATED ELECTRONIC 5-SECOND TOTAL STATION AND/OR SURVEY GRADE GPS OBSERVATIONS. ALL ANGULAR AND LINEAR RELATIONSHIPS ARE ACCURATE AND MEET THE STANDARDS SET BY WAC 332-130-090.

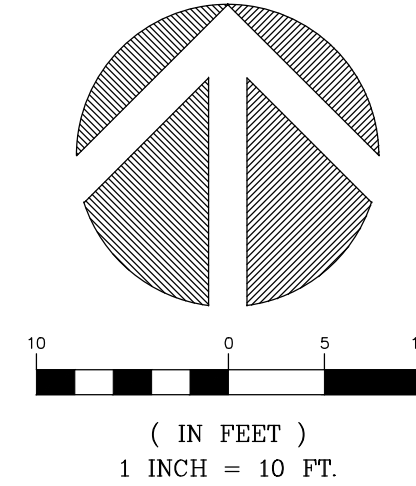
LEGEND

- ACU □ AC UNIT
- ASPHALT SURFACE
- BUILDING
- CENTERLINE ROW
- CULVERT PIPE
- DECK
- FENCE LINE (CHAIN LINK)
- MONUMENT IN CASE (FOUND) SIZE TYPE
- MONUMENT (SURFACE, FOUND)
- FENCE LINE (WOOD)
- GRAVEL SURFACE
- INLET (TYPE 1)
- REBAR AS NOTED (FOUND)
- SEWER LINE
- SEWER MANHOLE
- STORM DRAIN LINE
- TREE (AS NOTED)

VICINITY MAP

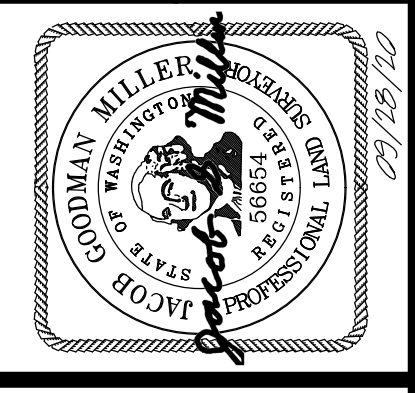


STEEP SLOPE/BUFFER DISCLAIMER:
 THE LOCATION AND EXTENT OF STEEP SLOPES SHOWN ON THIS DRAWING ARE FOR INFORMATIONAL PURPOSES ONLY AND CANNOT BE RELIED ON FOR DESIGN AND/OR CONSTRUCTION. THE PITCH, LOCATION, AND EXTENT ARE BASED SOLELY ON OUR GENERAL OBSERVATIONS ON SITE AND OUR CURSORY REVIEW OF READILY AVAILABLE PUBLIC DOCUMENTS; AS SUCH, TERRANE CANNOT BE LIABLE OR RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY STEEP SLOPE INFORMATION. ULTIMATELY, THE LIMITS AND EXTENT OF ANY STEEP SLOPES ASSOCIATED WITH ANY SETBACKS OR OTHER DESIGN OR CONSTRUCTION PARAMETERS MUST BE DISCUSSED AND APPROVED BY THE REVIEWING AGENCY BEFORE ANY CONSTRUCTION CAN OCCUR.



measure success

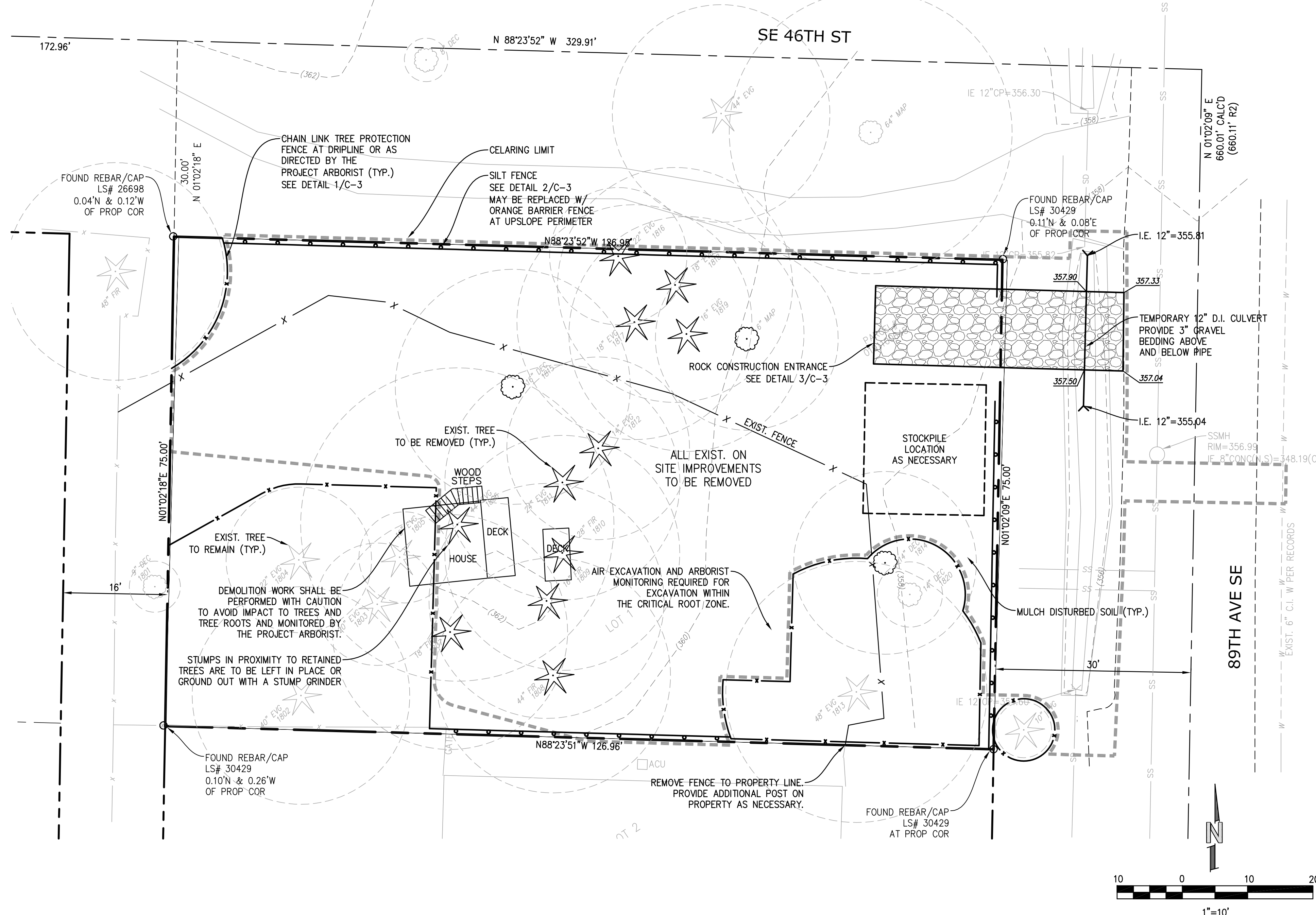
TOPOGRAPHIC & BOUNDARY SURVEY
 SE 1/4 OF SW 1/4 SEC 18, TWP. 24N., RGE 05E., W1M.
 PARCEL NO. 0191100645
JAYMARC HOMES
 4XXX 89TH AVE SE
 MERCER ISLAND, WA 98040



Terrane
 10801 Main Street, Suite 102, Bellevue, WA 98004
 phone 425.458.4488 support@terrane.net
 www.terrane.net

JOB NUMBER:	201809
DATE:	09/28/20
DRAFTED BY:	IDV-GKD
CHECKED BY:	JGM
SCALE:	1" = 10'
REVISION HISTORY	
SHEET NUMBER	
1 OF 1	

SE 1/4 OF SW 1/4 SEC 18, TWP. 24N., RGE 05E., W.M.



EROSION AND SEDIMENT CONTROL NOTES

1. APPROVAL OF THIS EROSION AND SEDIMENT 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.).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF SURVEY TAPE (OR FENCING, IF REQUIRED) PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
7. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
8. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
10. AT NO TIME SHALL MORE THAN ONE (1) FOOT 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-LOADED WATER INTO THE DOWNSTREAM SYSTEM.
11. STABILIZED CONSTRUCTION ENTRANCES AND ROADS 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.
12. ANY PERMANENT FLOW CONTROL FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
13. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 TO 3 INCHES.
14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DDES INSPECTOR. THE DDES INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

POLLUTION PREVENTION AND SPILL CONTROL

- STORAGE AND HANDLING OF LIQUIDS**
1. MINIMIZE AMOUNT OF LIQUIDS STORED ON SITE.
 2. STORE AND CONTAIN LIQUID MATERIALS IN SUCH A MANNER THAT IF A VESSEL IS RUPTURED OR LEAKS, THE CONTENTS WILL NOT DISCHARGE, FLOW, OR BE WASHED INTO THE STORM DRAINAGE SYSTEM, SURFACE WATERS, OR GROUNDWATER. TYPICALLY THIS MEANS INSTALLING SECONDARY CONTAINMENT, SUCH AS A LINED EXCAVATION, LARGER CONTAINER, OR USING A DOUBLE-WALLED TANK OR SIMILAR COMMERCIALLY AVAILABLE CONTAINMENT FACILITY.
 3. PLACE TIGHT-FITTING LIDS ON ALL CONTAINERS.
 4. ENCLOSE OR COVER THE CONTAINERS WHERE THEY ARE STORED TO PROTECT FROM RAIN. THE LOCAL FIRE DISTRICT MUST BE CONSULTED FOR LIMITATIONS ON CLEARANCE OF ROOF COVERS OVER CONTAINERS USED TO STORE FLAMMABLE MATERIALS.
 5. RAISE THE CONTAINERS OFF THE GROUND BY USING A SPILL CONTAINMENT PALLET OR SIMILAR METHOD THAT HAS PROVISIONS FOR SPILL CONTROL.
 6. PLACE DRIP PANS OR ABSORBENT MATERIALS BENEATH ALL MOUNTED CONTAINER TAPS, AND AT ALL POTENTIAL DRIP AND SPILL LOCATIONS DURING FILLING AND UNLOADING OF CONTAINERS. ANY COLLECTED LIQUIDS OR SOILED ABSORBENT MATERIALS MUST BE REUSED, RECYCLED, OR PROPERLY DISPOSED OF.
 7. STORE AND MAINTAIN ABSORBENT PADS OR APPROPRIATE SPILL CLEANUP MATERIALS NEAR THE CONTAINER STORAGE AREA, IN A LOCATION KNOWN TO ALL. ENSURE THAT EMPLOYEES ARE FAMILIAR WITH THE SITE'S SPILL PLAN AND/OR PROPER SPILL CLEANUP PROCEDURES.
 8. CHECK CONTAINERS (AND ANY CONTAINMENT SUMPS) DAILY FOR LEAKS AND SPILLS. REPLACE CONTAINERS THAT ARE LEAKING, CORRODED, OR OTHERWISE DETERIORATING. IF THE LIQUID CHEMICALS ARE CORROSIVE, CONTAINERS MADE OF COMPATIBLE MATERIALS MUST BE USED INSTEAD OF METAL DRUMS. NEW OR SECONDARY CONTAINERS MUST BE LABELED WITH THE PRODUCT NAME AND HAZARDS.
 9. PLACE DRIP PANS OR ABSORBENT MATERIALS BENEATH A CONTAINER THAT IS FOUND TO BE LEAKING. REMOVE THE DAMAGED CONTAINER AS SOON AS POSSIBLE. MOP UP THE SPILLED LIQUID WITH ABSORBENT PADS OR RAGS. ANY COLLECTED LIQUIDS OR SOILED ABSORBENT MATERIALS MUST BE REUSED, RECYCLED, OR PROPERLY DISPOSED OF.

FUELING

1. LOCATE THE FUELING OPERATION TO ENSURE LEAKS OR SPILLS WILL NOT DISCHARGE, FLOW, OR BE WASHED INTO THE STORM DRAINAGE SYSTEM, SURFACE WATER, OR GROUNDWATER.
2. USE DRIP PANS OR ABSORBENT PADS TO CAPTURE DRIPS OR SPILLS DURING FUELING OPERATIONS.
3. IF FUELING IS DONE DURING EVENING HOURS, LIGHTING MUST BE PROVIDED.
4. STORE AND MAINTAIN APPROPRIATE SPILL CLEANUP MATERIALS IN THE MOBILE FUELING VEHICLE. ENSURE THAT EMPLOYEES ARE FAMILIAR WITH PROPER SPILL CONTROL AND CLEANUP PROCEDURES.
5. IMMEDIATELY MOP UP ANY SPILLED FUEL WITH ABSORBENT PADS OR RAGS. ANY COLLECTED LIQUIDS OR SOILED ABSORBENT MATERIALS MUST BE REUSED, RECYCLED, OR PROPERLY DISPOSED OF.

CONCRETE SAW CUTTING, SLURRY, AND WASHWATER DISPOSAL

1. SLURRY FROM SAW CUTTING THE SIDEWALK SHALL BE VACUUMED SO THAT IT DOES NOT ENTER NEARBY STORM DRAINS.
2. CONCRETE TRUCK CHUTES, PUMPS, AND INTERNALS SHALL BE WASHED OUT ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE.
3. UNUSED CONCRETE REMAINING IN THE TRUCK AND PUMP SHALL BE RETURNED TO THE ORIGINATING BATCH PLANT FOR RECYCLING.
4. HAND TOOLS INCLUDING, BUT NOT LIMITED, SCREDS, SHOVELS, RAKES, FLOATS, AND TROWELS SHALL BE WASHED OFF ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR IMPERMEABLE ASPHALT.
5. EQUIPMENT THAT CANNOT BE EASILY MOVED, SUCH AS CONCRETE PAVERS, SHALL ONLY BE WASHED IN AREAS THAT DO NOT DIRECTLY DRAIN TO NATURAL OR CONSTRUCTED STORMWATER CONVEYANCES.
6. WASHDOWN FROM AREAS SUCH AS CONCRETE AGGREGATE DRIVEWAY SHALL NOT DRAIN DIRECTLY TO NATURAL OR CONSTRUCTED STORMWATER CONVEYANCES.
7. WHEN NO FORMED AREAS ARE AVAILABLE, WASHWATER AND LEFTOVER PRODUCT SHALL BE CONTAINED IN A LINED CONTAINER. CONTAINED CONCRETE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.
8. CONTAINERS SHALL BE CHECKED FOR HOLES IN THE LINER DAILY DURING CONCRETE POURS AND REPLACED THE SAME DAY.

BASIS OF BEARINGS

N01°02'28"E BETWEEN SURVEY MONUMENT FOUND ON THE CENTERLINE OF 88TH AVE. S.E., PER GPS OBSERVATIONS, WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE.

LEGAL DESCRIPTION

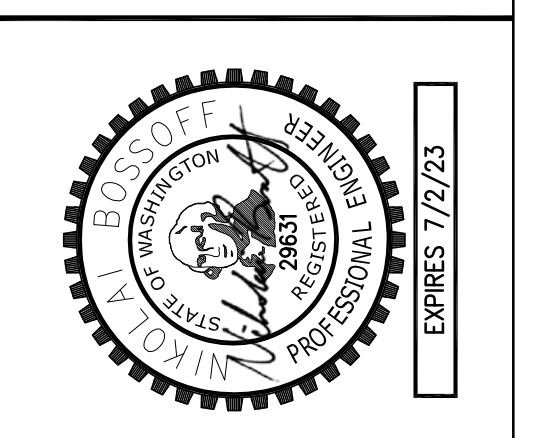
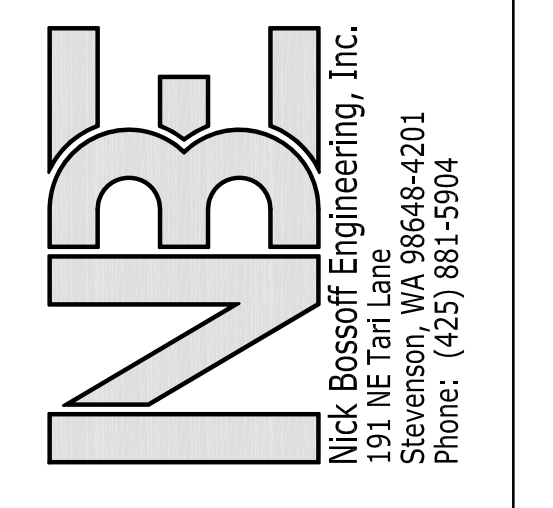
(PER FIDUCIARY BARGAIN AND SALE DEED RECORDING# 20090922000431)

LOT 1, BLOCK 9, ALLVIEW HEIGHTS ADDITION TO SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 16 OF PLATS, PAGE 20, IN KING COUNTY, WASHINGTON.

VERTICAL DATUM

NAVD88, PER GPS OBSERVATIONS.

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555



NO.	DATE	REVISION
1	06/08/22	PERMIT SUBMITTAL
2	11/28/22	CITY COMMENTS
3	02/06/23	CITY COMMENTS
4	08/22/23	POST PERMIT REVISION

N. BOSSOFF, P.E.	PROJECT MANAGER
DESIGNED: NB	DRAWN: TKB
SAARC-2202	JOB NUMBER
SAARC-2202p1n.dwg	FILE NAME

LANCTOT RESIDENCE
4603 89TH AVE SE

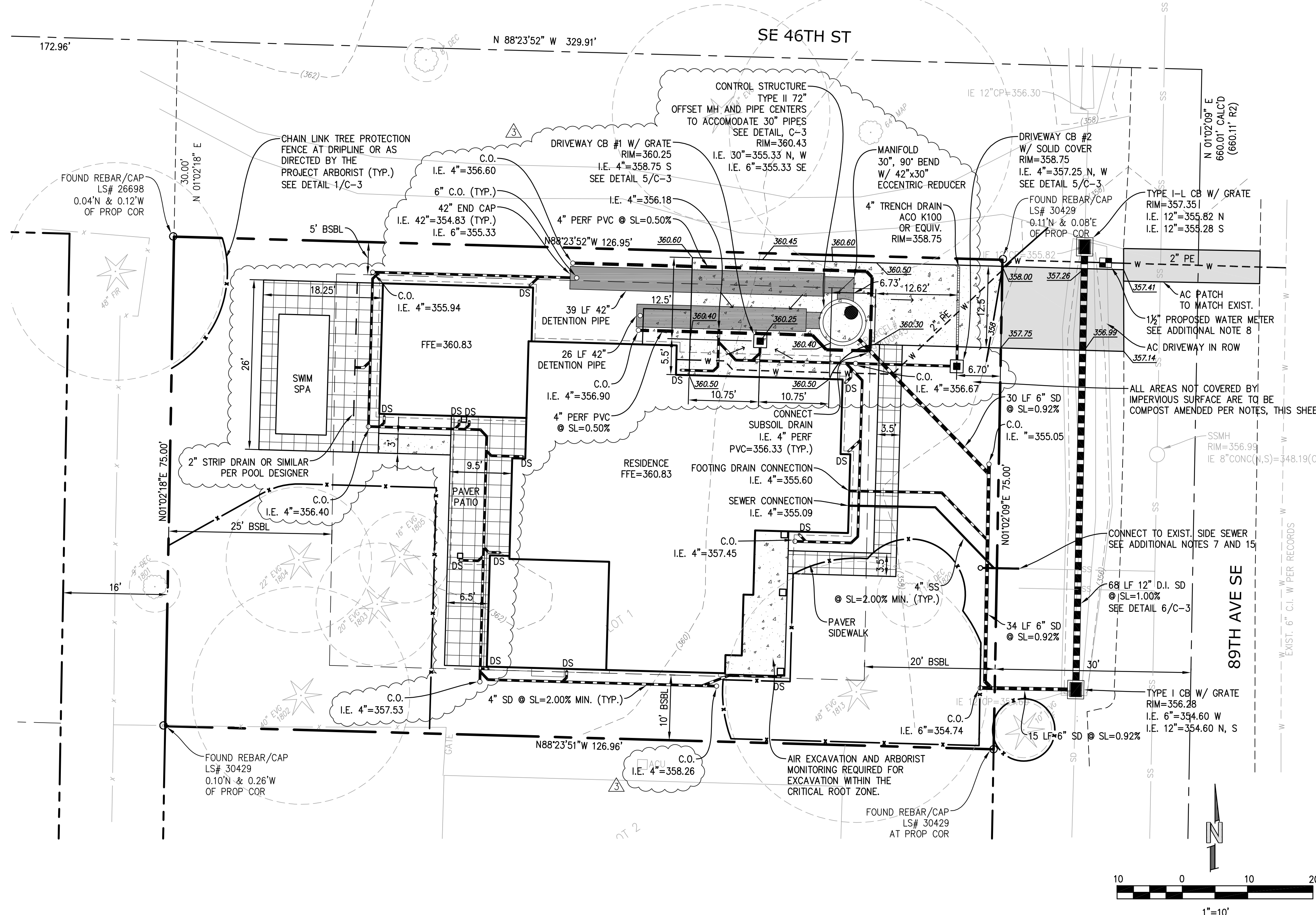
WASHINGTON

MERCER ISLAND

TITLE: T.E.S.C. PLAN

SHEET: C-1

SE 1/4 OF SW 1/4 SEC 18, TWP. 24N., RGE 05E., W.M.

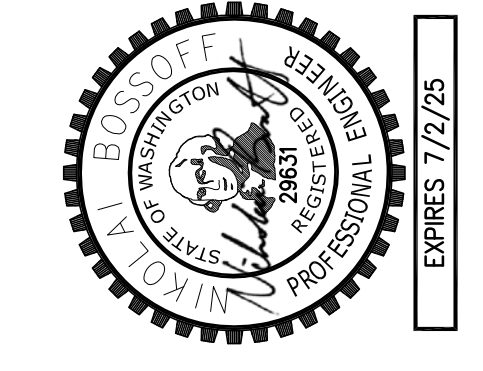
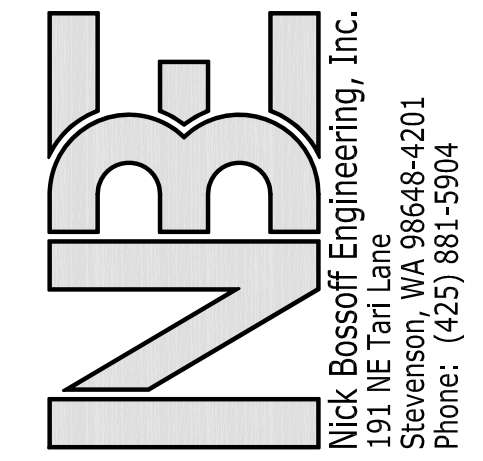


POST-CONSTRUCTION SOIL QUALITY AND DEPTH NOTES

- THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT GEOTECHNICAL 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.
- SOIL RETENTION. RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE, IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.
 - SOIL QUALITY. ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:
 - A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
 - MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL
 - USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
 - THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-220, WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
 - CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING (A.) ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220. THE RESULTING SOIL SHOULD BE CONDUCTIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.
 - IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:
 - LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
 - AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
 - STOCKPILE EXISTING TOPSOIL DURING GRADING AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
 - IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

ADDITIONAL NOTES:

- ALL CONSTRUCTION MATERIALS AND PRACTICE SHALL CONFORM TO THE CITY OF MERCER ISLAND STANDARDS AND THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARDS.
- EXISTING UTILITIES AS SHOWN ARE FROM CITY RECORDS AND ARE APPROXIMATE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO IDENTIFY, LOCATE AND PROTECT ABOVE AND BELOW GRADE UTILITIES. CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION IF A CONFLICT EXISTS BETWEEN EXISTING UTILITIES AND THE PROPOSED IMPROVEMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AND SHALL MAINTAIN THE NECESSARY SAFEGUARDS AND MANAGE THE CONSTRUCTION SO AS TO PREVENT WATERBORNE SEDIMENTS FROM LEAVING THE SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR.
- ON-SITE PRIVATE STORM AND SEWER PIPE SHALL BE SOLVENT WELDED SCHEDULE 40 PVC OR PVC ASTM D3034 SDR35 UNLESS SHOWN OTHERWISE. PVC PIPE LAID AT A SLOPE IN EXCESS OF 20% SHALL BE SOLVENT WELDED SCHEDULE 40 PVC. STORM PIPE IN THE RIGHT-OF-WAY SHALL BE HIGH-DENSITY POLYETHYLENE DOUBLE-WALLED SMOOTH INTERIOR PIPE SUCH AS ADS N-12 OR EQUIVALENT.
- FOOTING DRAINS SHALL BE INSTALLED AROUND THE BASE OF ALL FOUNDATION FOOTINGS THAT ENCLOSE A CRAWL SPACE, CELLAR, BASEMENT, GARAGE OR OTHER BUILDING SPACE. FOOTING DRAINS SHALL BE PERFORATED 4-INCH DIAMETER PVC CONFORMING TO D2729, PERFORATIONS DOWN. GRANULAR BACKFILL SHALL BE PLACED AROUND AND ABOVE THE DRAIN TO A DEPTH OF 2/3 OF THE WALL HEIGHT. FILTER FABRIC (MIRAFI 140N OR EQUIVALENT) SHALL BE PLACED BETWEEN THE GRANULAR BACKFILL AND NATIVE SOILS. TIE THE FOOTING DRAIN INTO THE STORM LINE AT A LOCATION WHERE THE FOOTING DRAIN ELEVATION IS AT LEAST 12-INCHES ABOVE THE STORM LINE.
- EXISTING SIDE SEWER AND STORM DRAIN DEPTH AND LOCATION SHALL BE DETERMINED PRIOR TO ANY CONSTRUCTION, INCLUDING BUILDING CONSTRUCTION. REPORT CONFLICTS WITH PROPOSED CONSTRUCTION TO ENGINEER. NEW SIDE SEWER CONNECTION TO MAIN OR SEWER EJECTOR PUMP MAY BE NECESSARY FOR BASEMENT.
- PROPOSED METER LOCATION, IF SHOWN, IS APPROXIMATE. CONTRACTOR TO COORDINATE EXACT LOCATION OF NEW SERVICE/METER/ SUPPLY LINE WITH CITY WATER DEPARTMENT DURING CONSTRUCTION. SERVICE SIZE IS PRELIMINARY. VERIFY WITH PLUMBING AND SPRINKLER DESIGNER.
- EACH DOWNSPOUT SHALL CONNECT TO A RIGID NON-PERFORATED PIPE AT THE BUILDING PERIMETER. UNDER NO CIRCUMSTANCES SHALL DOWNSPOUTS CONNECT DIRECTLY TO THE PERFORATED FOOTING DRAIN.
- USE SAND COLLARS FOR PVC PIPE CONNECTIONS TO MANHOLES.
- VERTICAL BENDS ON THE STORM DRAINS MAY BE NECESSARY TO MAINTAIN MIN. 1.5' SOIL COVER OVER PIPE. MAX. PIPE BENDS TO BE 45'.
- DOWNSPOUT LOCATIONS SHOWN ARE PRELIMINARY. REFER TO ARCHITECTURAL PLANS FOR FINAL DOWNSPOUT LOCATIONS. EXISTING DOWNSPOUTS AND COLLECTOR PIPES SHALL BE PRESERVED AND NOT DISCONNECTED FROM THE SYSTEM. CONNECT EXISTING DOWNSPOUTS TO NEW STORM SYSTEM AS NECESSARY.
- AN UNDERSLAB DRAINAGE SYSTEM MAY BE NECESSARY DEPENDENT ON GEOTECHNICAL EVALUATION BY OTHERS.
- WINDOW WELLS SHALL BE DESIGNED FOR PROPER DRAINAGE BY CONNECTING TO THE BUILDING'S FOUNDATION DRAINAGE SYSTEM REQUIRED PER SECTION R310.2.3.2 OF THE INTERNATIONAL RESIDENTIAL CODE. A DRAINAGE SYSTEM FOR WINDOW WELLS IS NOT REQUIRED WHERE THE FOUNDATION IS ON WELL-DRAINED SOIL OR SAND-GRAVEL MIXTURE SOILS IN ACCORDANCE WITH THE UNITED SOIL CLASSIFICATION SYSTEM, GROUP 1 SOILS, AS DETAILED IN TABLE R405.1 OF THE IRC.
- THE TV INSPECTION OF THE EXISTING SIDE SEWER TO THE CITY SEWER MAIN ON 89TH AVE SE IS REQUIRED PRIOR TO ANY WORK RELATED TO THE SIDE SEWER. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED.

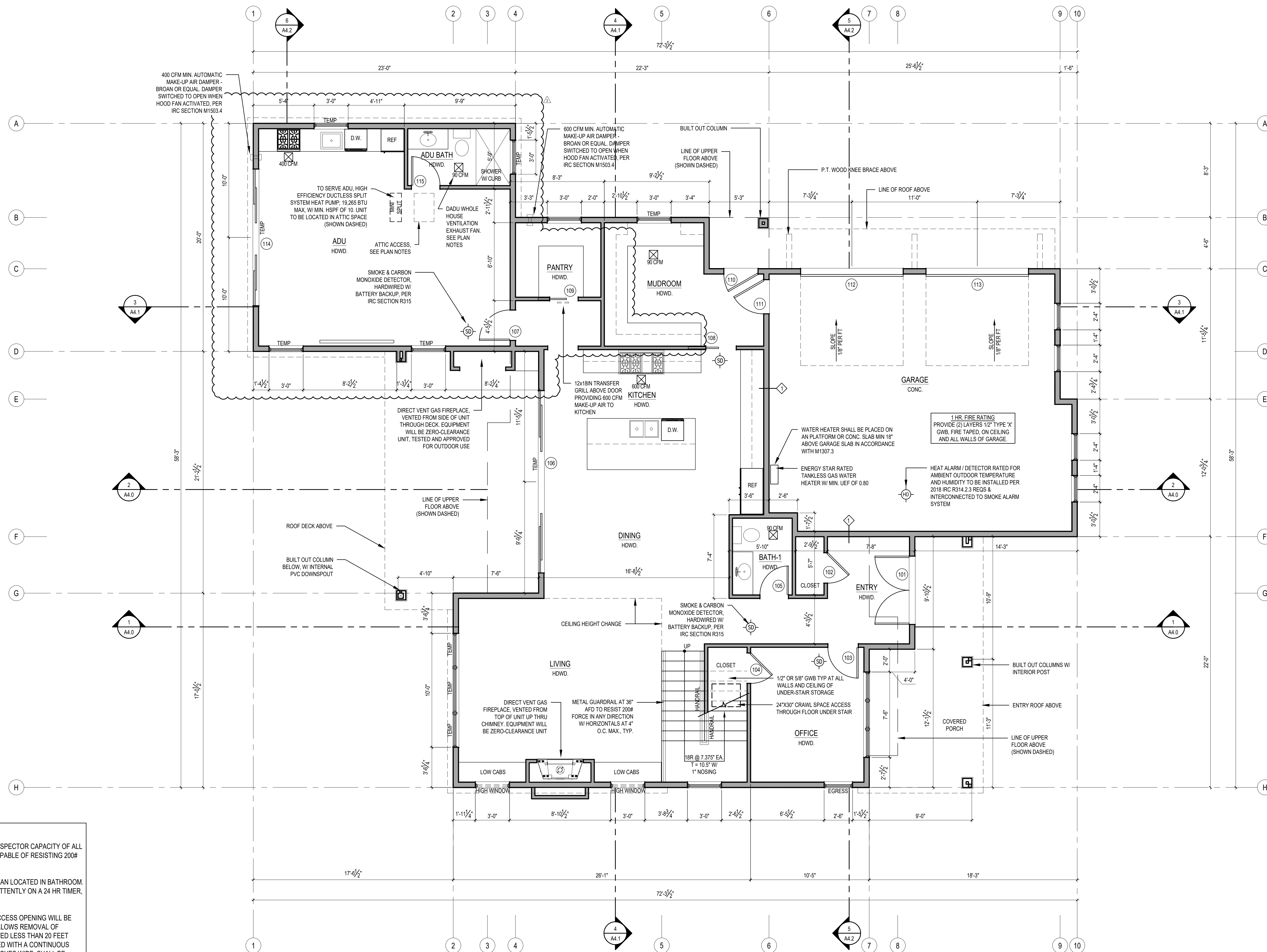


NO.	DATE	REVISION
1	06/06/22	PERMIT SUBMITTAL
2	11/28/22	CITY COMMENTS
3	02/06/23	CITY COMMENTS
4	08/22/23	POST PERMIT REVISION

N. BOSSOFF, P.E.
 PROJECT MANAGER: NB
 DESIGNED: TKB
 DRAWN: SARC-2202
 JOB NUMBER: SARC-2202pln.dwg
 FILE NAME: WASHINGTON

LANCTOT RESIDENCE
4603 89TH AVE SE
MERCER ISLAND
WASHINGTON

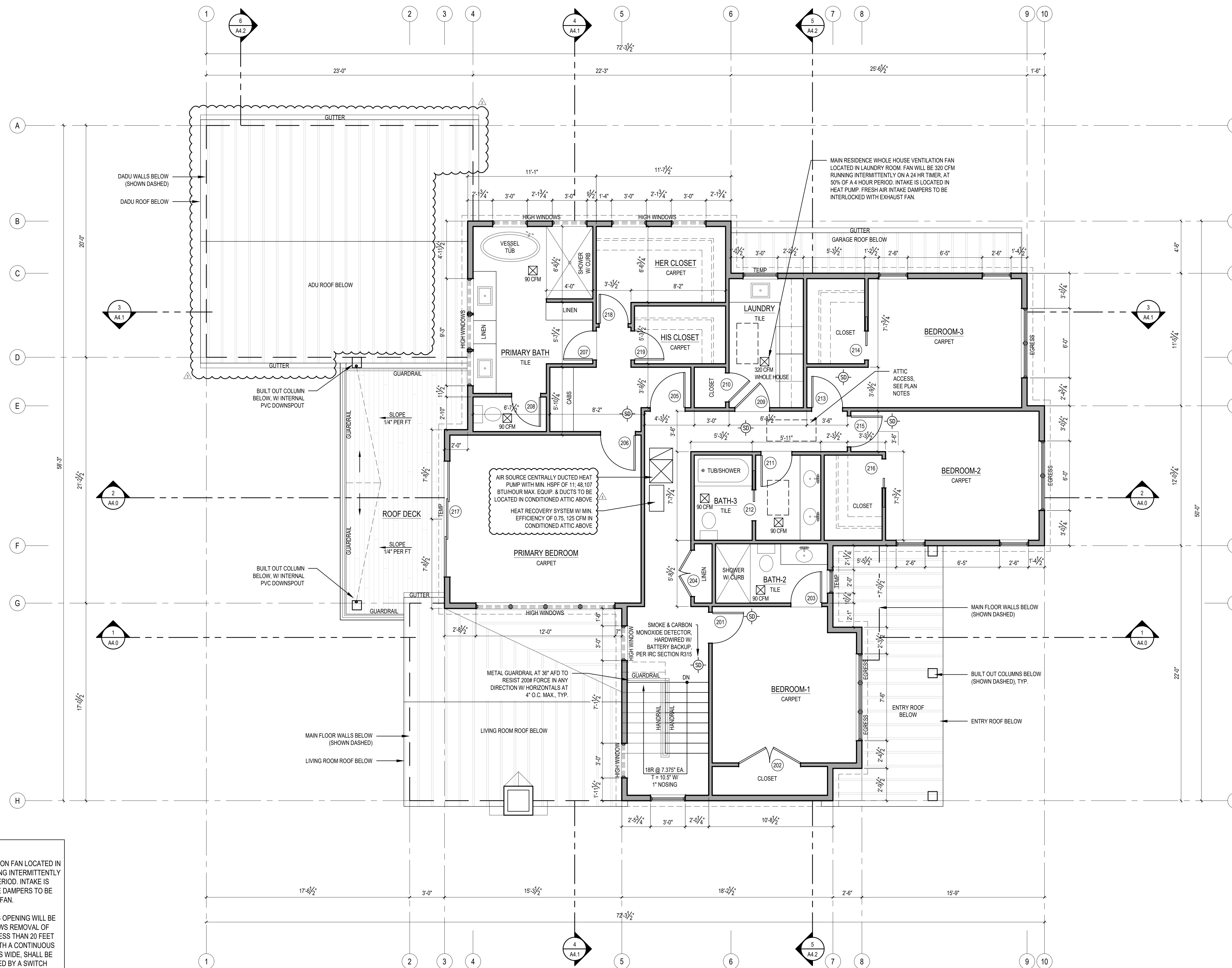
TITLE:
DRAINAGE PLAN
 SHEET:
C-2



PLAN NOTES:

- CONTRACTOR SHALL CONFIRM TO INSPECTOR CAPACITY OF ALL GUARDS AND HANDRAILS SHALL BE CAPABLE OF RESISTING 200# FORCE IN ANY DIRECTION.
- DADU WHOLE HOUSE VENTILATION FAN LOCATED IN BATHROOM. FAN WILL BE 90 CFM RUNNING INTERMITTENTLY ON A 24 HR TIMER, AT 30% OF A 4 HOUR PERIOD.
- ATTIC ACCESS PER IRC R807. THE ACCESS OPENING WILL BE REQUIRED TO BE A MIN. SIZE WHICH ALLOWS REMOVAL OF LARGEST APPLIANCE. SHALL BE LOCATED LESS THAN 20 FEET FROM APPLIANCES. SHALL BE PROVIDED WITH A CONTINUOUS SOLID FLOORING NOT LESS THAN 24 INCHES WIDE. SHALL BE PROVIDED WITH A LUMINAIRE CONTROLLED BY A SWITCH LOCATED AT THE ACCESS OPENING. SHALL HAVE A RECEPTACLE OUTLET LOCATED AT OR NEAR THE APPLIANCES, PER IRC M1305.1.3 & M1305.1.3.1.

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

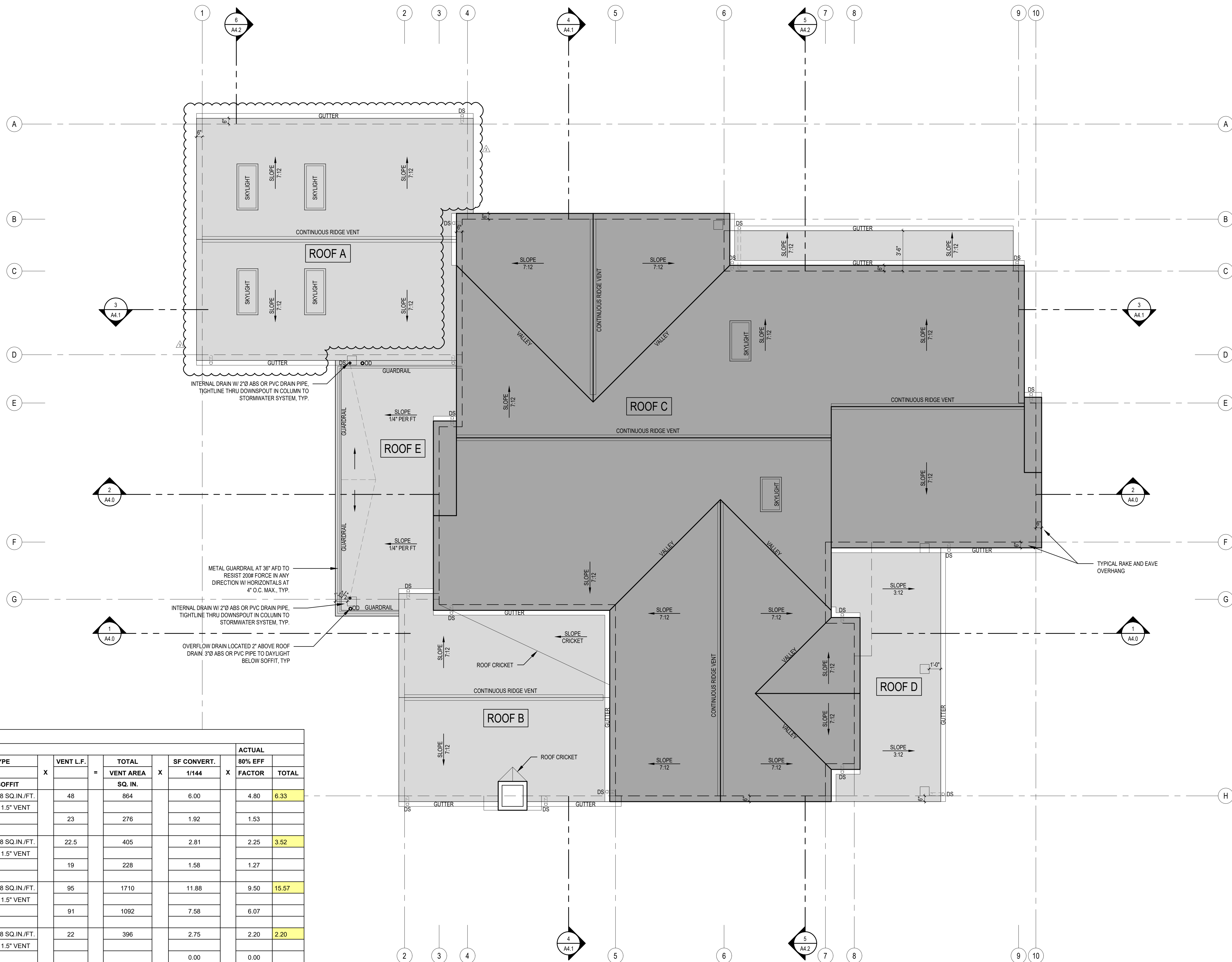


PLAN NOTES:

1. MAIN RESIDENCE WHOLE HOUSE VENTILATION FAN LOCATED IN LAUNDRY ROOM. FAN WILL BE 320 CFM RUNNING INTERMITTENTLY ON A 24 HR TIMER, AT 50% OF A 4 HOUR PERIOD. INTAKE IS LOCATED IN HEAT PUMP. FRESH AIR INTAKE DAMPERS TO BE INTERLOCKED WITH EXHAUST FAN.
2. ATTIC ACCESS PER IRC R807. THE ACCESS OPENING WILL BE REQUIRED TO BE A MIN. SIZE WHICH ALLOWS REMOVAL OF LARGEST APPLIANCE. SHALL BE LOCATED LESS THAN 20 FEET FROM APPLIANCES. SHALL BE PROVIDED WITH A CONTINUOUS SOLID FLOORING NOT LESS THAN 24 INCHES WIDE. SHALL BE PROVIDED WITH A LUMINAIRE CONTROLLED BY A SWITCH LOCATED AT THE ACCESS OPENING. SHALL HAVE A RECEPTACLE OUTLET LOCATED AT OR NEAR THE APPLIANCES, PER IRC M1305.1.3 & M1305.1.3.1.

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

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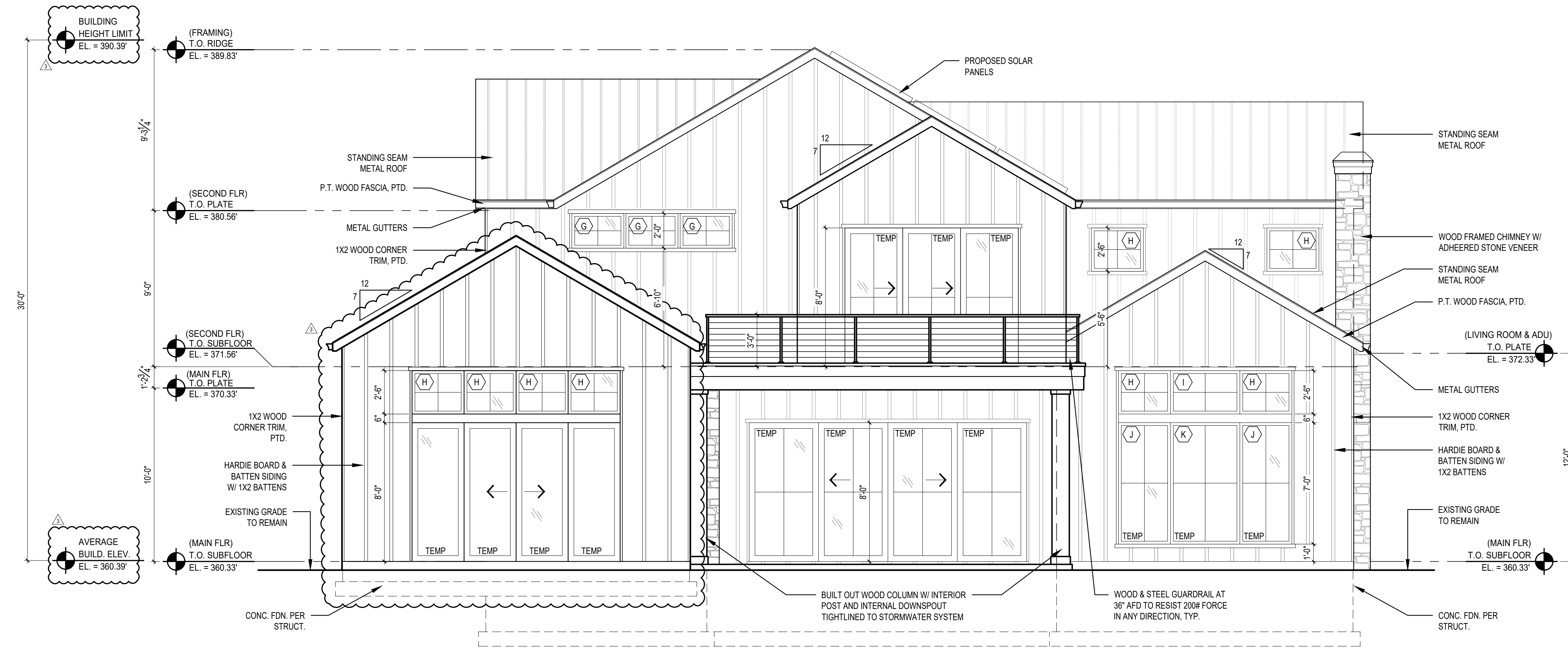


ROOF VENT CALCULATIONS										
DESCRIPTION	SF AREA	REQ. VENTING		CALCULATIONS				ACTUAL		
		PER SF AREA	300	VENT TYPE		VENT L.F.	TOTAL VENT AREA SQ. IN.	SF CONVERT. 1/144	80% EFF FACTOR	
				RIDGE	SOFFIT				80% EFF	TOTAL
ROOF A	460	3.07		18 SQ. IN./FT.	1.5" VENT	48	864	6.00	4.80	6.33
				12 SQ. IN./FT.		23	276	1.92	1.53	
				CONTINUOUS						
ROOF B	305	2.03		18 SQ. IN./FT.	1.5" VENT	22.5	405	2.81	2.25	3.52
				12 SQ. IN./FT.		19	228	1.58	1.27	
				CONTINUOUS						
ROOF C	1,788	11.92		18 SQ. IN./FT.	1.5" VENT	95	1710	11.88	9.50	15.57
				12 SQ. IN./FT.		91	1092	7.58	6.07	
				CONTINUOUS						
ROOF D	158	1.05		18 SQ. IN./FT.	1.5" VENT	22	396	2.75	2.20	2.20
				12 SQ. IN./FT.				0.00	0.00	
				CONTINUOUS						
ROOF E	212	1.41		18 SQ. IN./FT.	1.5" VENT	33	594	4.13	3.30	3.30
				12 SQ. IN./FT.				0.00	0.00	
				CONTINUOUS						

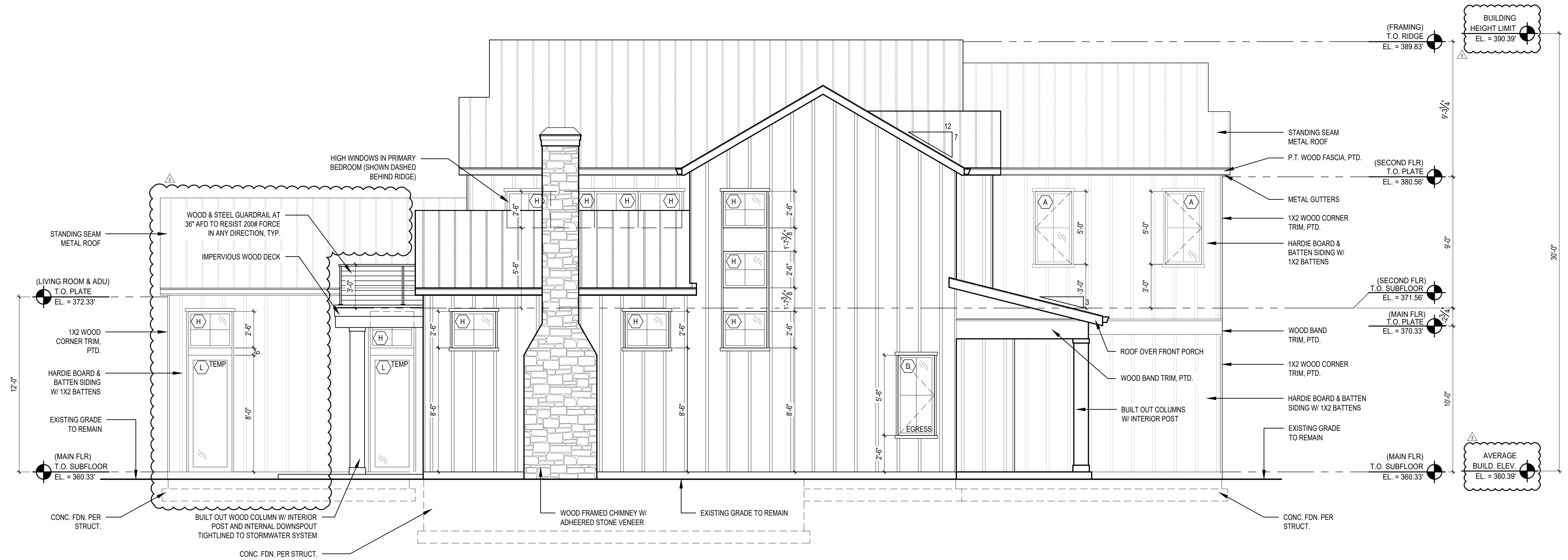
1 ROOF PLAN
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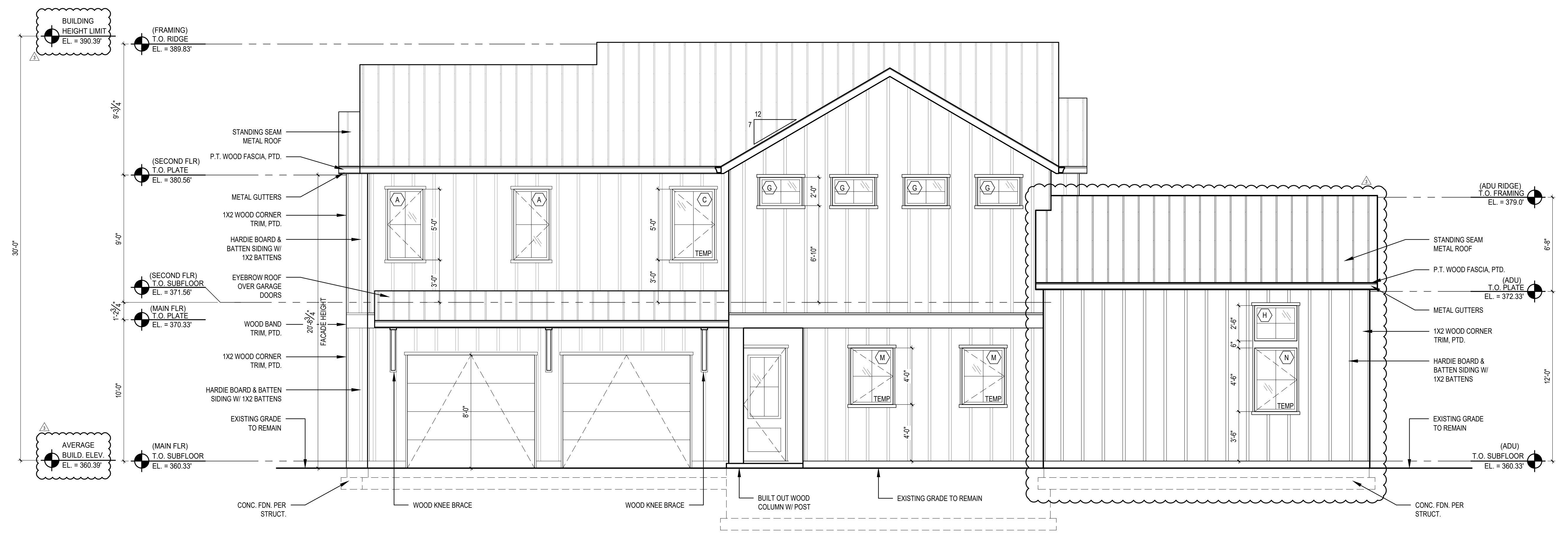
1 EAST ELEVATION
SCALE: 1/4" = 1'-0"



2 WEST ELEVATION
SCALE: 1/4" = 1'-0"



3 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



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

REVISIONS:

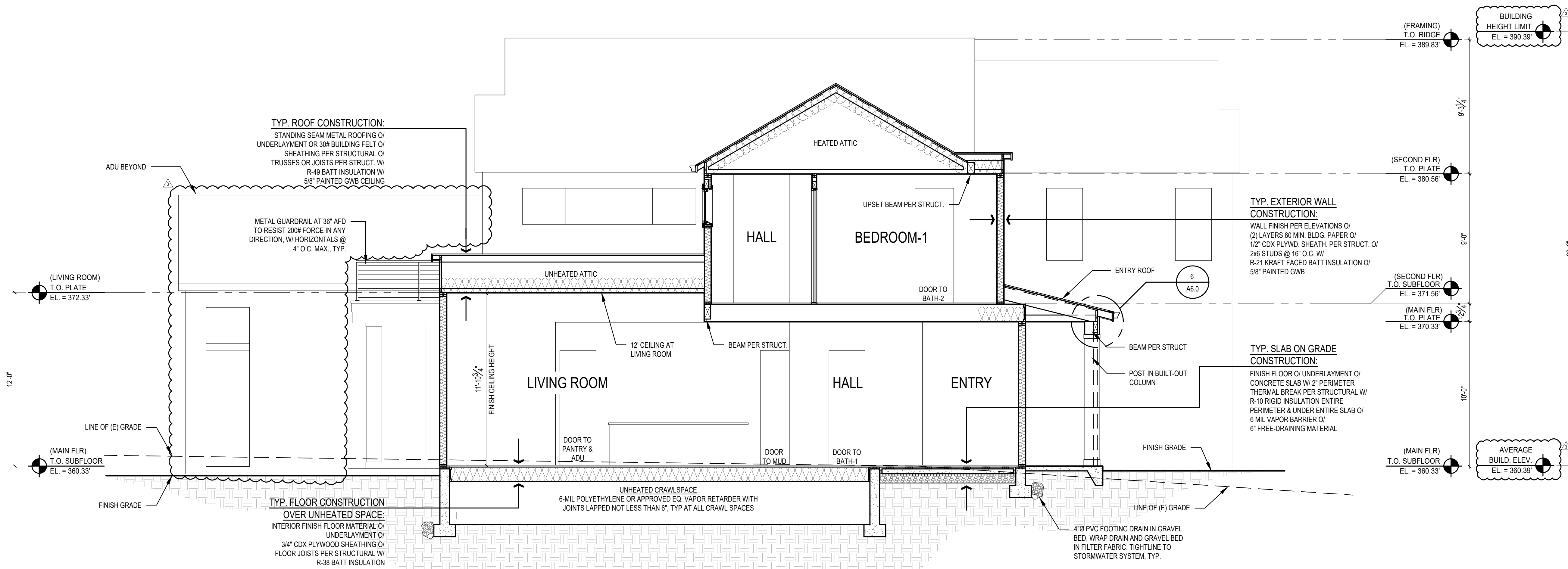
2022-11-29	Corrections #1
2023-02-15	Corrections #2
2023-08-22	Design Revisions

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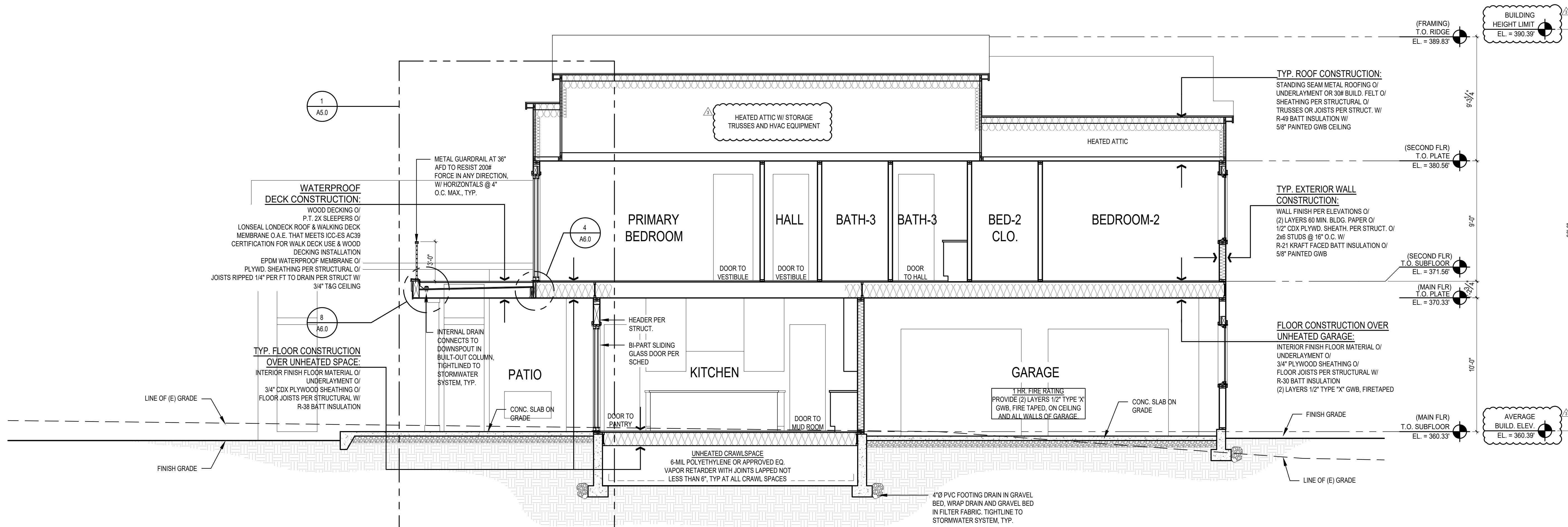
CHECKED BY: BJS

SHEET

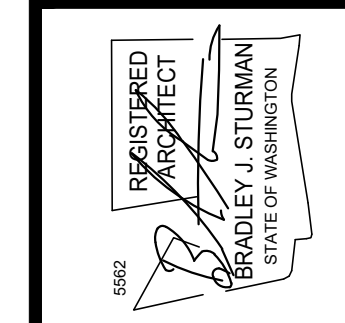
A3.1



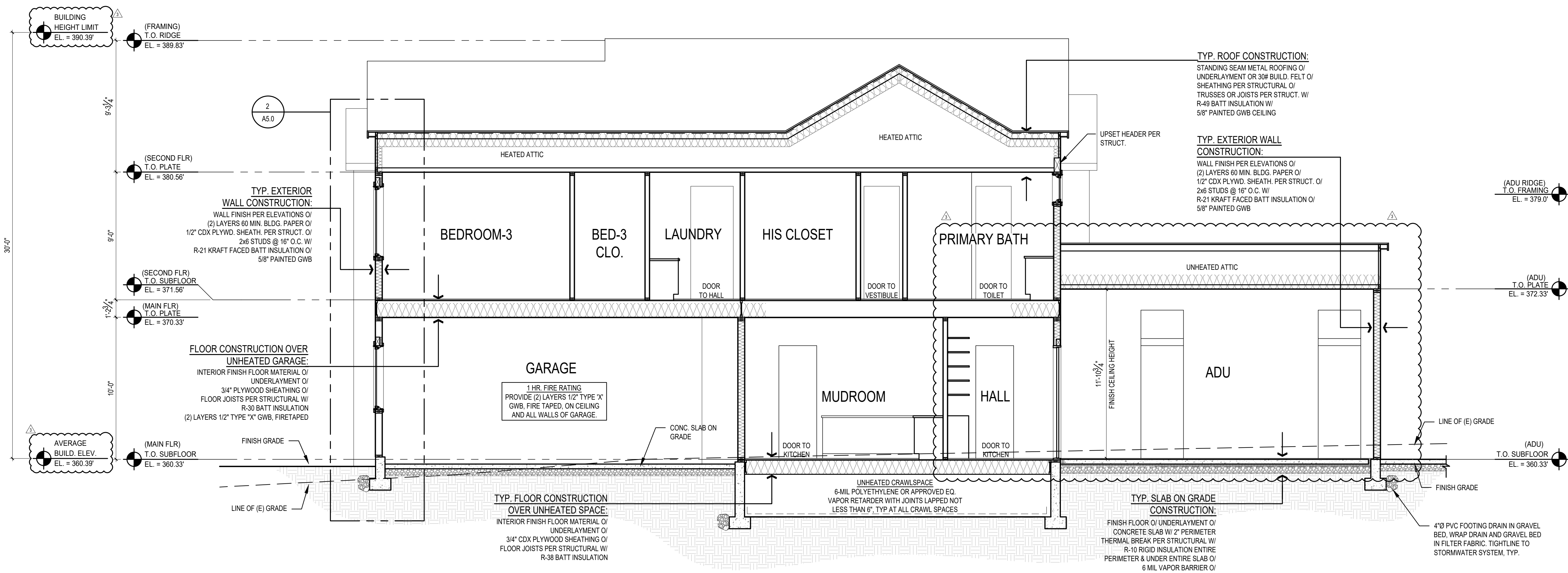
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"



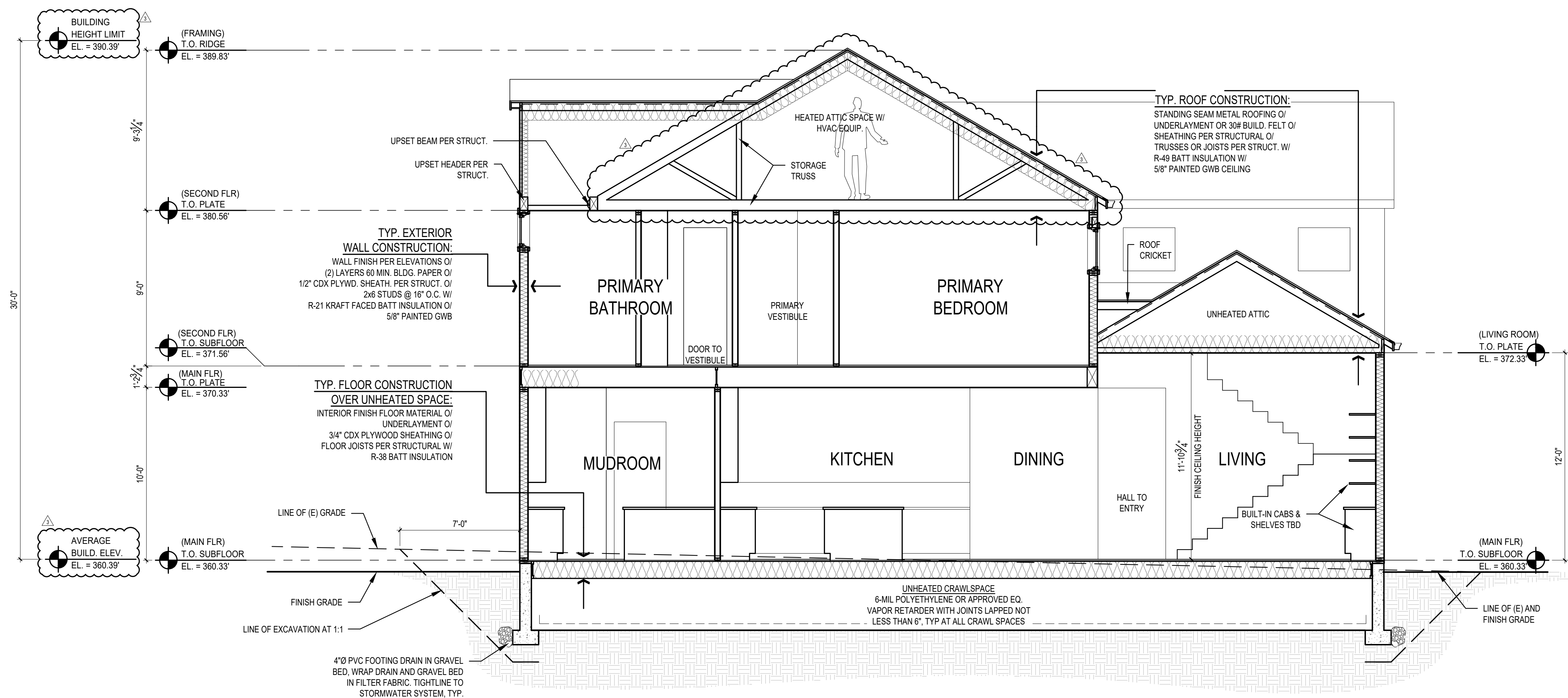
2 BUILDING SECTION
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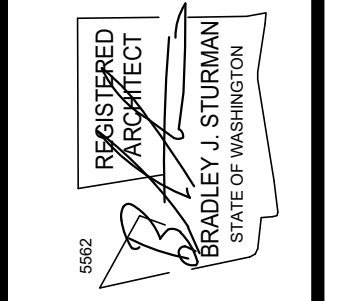
REVISIONS:	2022-11-29 Corrections #1
	2023-02-15 Corrections #2
	2023-08-22 Design Revisions
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3 BUILDING SECTION
SCALE: 1/4" = 1'-0"



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



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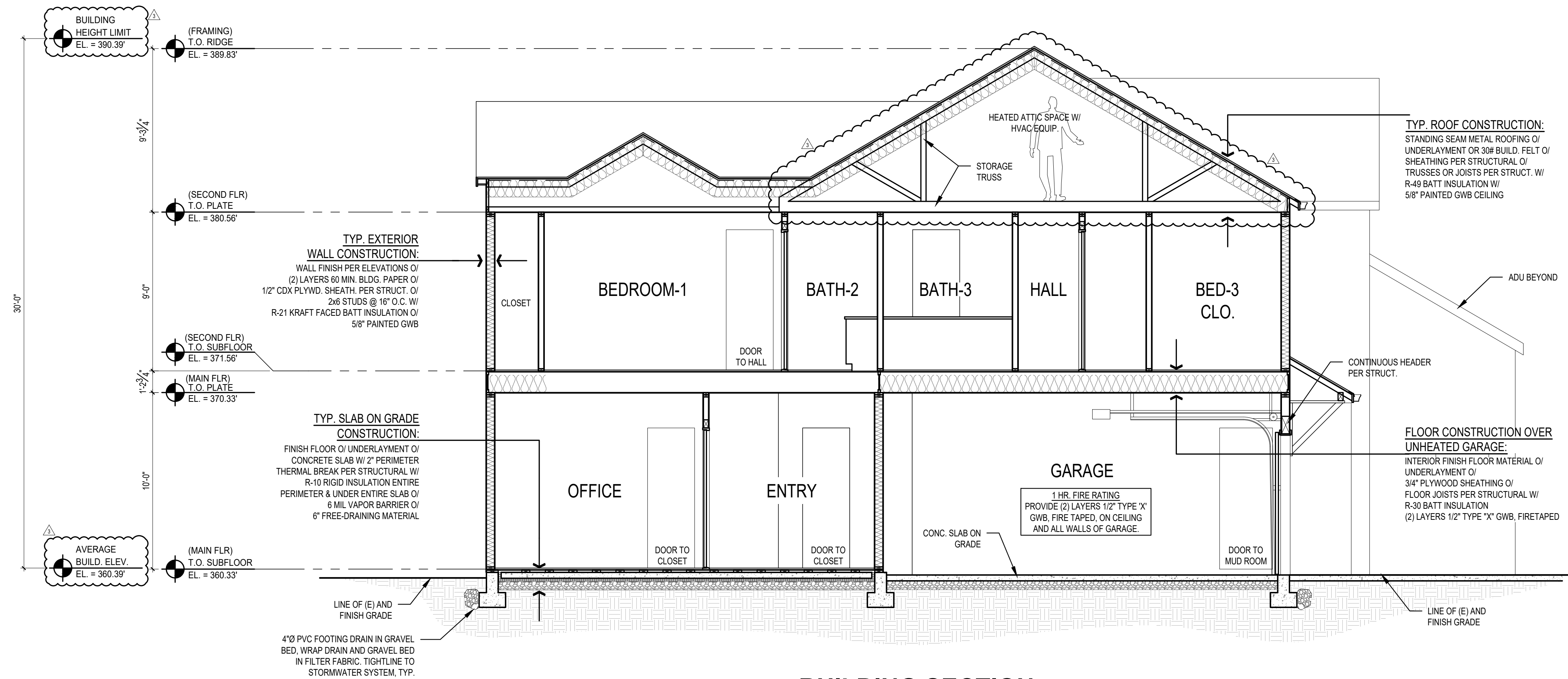
BUILDING SECTIONS

REVISIONS:	2022-11-29	Connections #1
	2023-02-15	Connections #2
	2023-08-22	Design Revisions

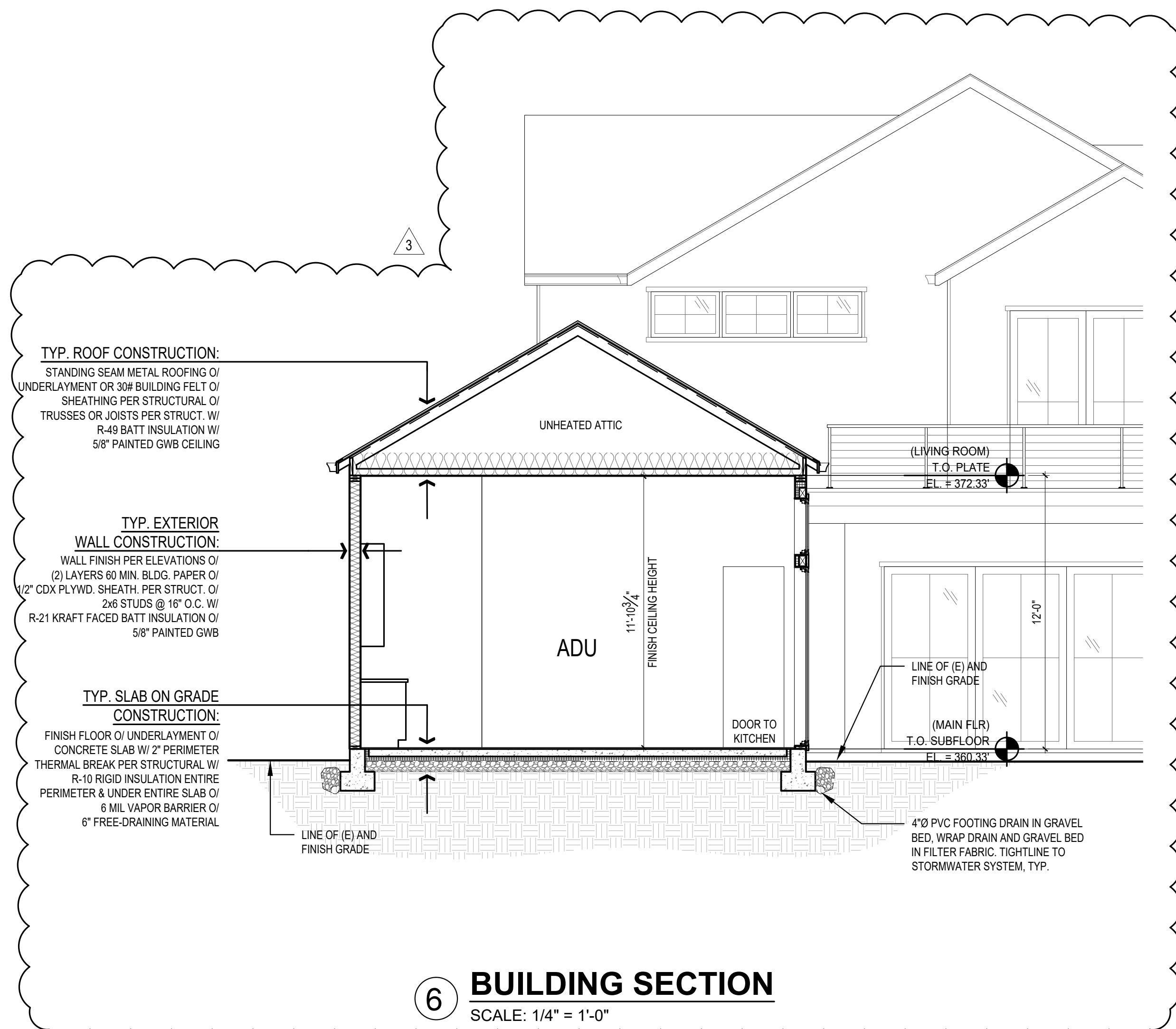
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SHEET

A4.1

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5 BUILDING SECTION
SCALE: 1/4" = 1'-0"



6 BUILDING SECTION
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE

DOOR NO.	LOCATION	SIZE WIDTH	SIZE HEIGHT	DOOR TYPE	TEMP GLASS	DOOR FIN.	DOOR THK.	U-VAL. (MIN.)	REMARKS
MAIN FLOOR									
101	ENTRY	PR 3'-0"	8'-0"	A	Y	-	1-3/4"	.28	TEMPERED GLASS
102	ENTRY CLOSET	2'-8"	8'-0"	B	-	-	1-3/4"	-	
103	OFFICE	2'-8"	8'-0"	B	-	-	1-3/4"	-	
104	OFFICE	2'-8"	8'-0"	B	-	-	1-3/4"	-	
105	BATH-1	2'-6"	8'-0"	C	-	-	1-3/4"	-	
106	KITCHEN	18'-0"	8'-0"	H	Y	-	1-3/4"	.28	TEMPERED GLASS
107	PANTRY	2'-6"	8'-0"	E	-	-	1-3/4"	-	POCKET
108	MUD ROOM	2'-8"	8'-0"	E	-	-	1-3/4"	-	POCKET
109	MECHANICAL	3'-0"	8'-0"	C	-	-	1-3/4"	-	GASKET
110	MUD ROOM	3'-0"	8'-0"	D	Y	-	1-3/4"	.28	TEMPERED GLASS
111	GARAGE	3'-0"	8'-0"	C	-	-	1-3/4"	-	20 MIN FIRE RATED SOLID CORE, SELF-CLOSING
112	GARAGE	9'-0"	8'-0"	F	-	-	1-3/4"	-	OVERHEAD DOOR
113	GARAGE	9'-0"	8'-0"	F	-	-	1-3/4"	-	OVERHEAD DOOR
114	ADU	3'-0"	8'-0"	D	Y	-	1-3/4"	.28	TEMPERED GLASS
115	ADU	12'-0"	8'-0"	H	Y	-	1-3/4"	.28	TEMPERED GLASS
116	ADU BATH	2'-6"	8'-0"	C	-	-	1-3/4"	-	
UPPER FLOOR									
201	BEDROOM-1	2'-8"	8'-0"	B	-	-	1-3/4"	-	
202	BEDROOM-1 CLOSET	PR 2'-8"	8'-0"	A	-	-	1-3/4"	-	
203	BEDROOM-1	2'-8"	8'-0"	B	-	-	1-3/4"	-	
204	LINEN CLOSET	PR 2'-0"	8'-0"	A	-	-	1-3/4"	-	
205	PRIMARY VESTIBULE	3'-0"	8'-0"	B	-	-	1-3/4"	-	
206	PRIMARY BEDROOM	3'-0"	8'-0"	C	-	-	1-3/4"	-	
207	PRIMARY BATH	2'-6"	8'-0"	B	-	-	1-3/4"	-	
208	PRIMARY BATH	2'-6"	8'-0"	C	-	-	1-3/4"	-	
209	LAUNDRY	3'-0"	8'-0"	C	-	-	1-3/4"	-	SOUND GASKET
210	LAUNDRY	2'-8"	8'-0"	B	-	-	1-3/4"	-	
211	BATH-3	2'-8"	8'-0"	B	-	-	1-3/4"	-	
212	BATH-3	2'-8"	8'-0"	E	-	-	1-3/4"	-	POCKET
213	BEDROOM-3	2'-8"	8'-0"	B	-	-	1-3/4"	-	
214	BEDROOM-3	2'-6"	8'-0"	E	-	-	1-3/4"	-	POCKET
215	BEDROOM-2	2'-8"	8'-0"	B	-	-	1-3/4"	-	
216	BEDROOM-2	2'-6"	8'-0"	E	-	-	1-3/4"	-	POCKET
217	PRIMARY BEDROOM	10'-0"	8'-0"	G	Y	-	1-3/4"	.28	TEMPERED GLASS
218	PRIMARY CLOSET	2'-6"	8'-0"	B	-	-	1-3/4"	-	
219	PRIMARY CLOSET	2'-6"	8'-0"	B	-	-	1-3/4"	-	

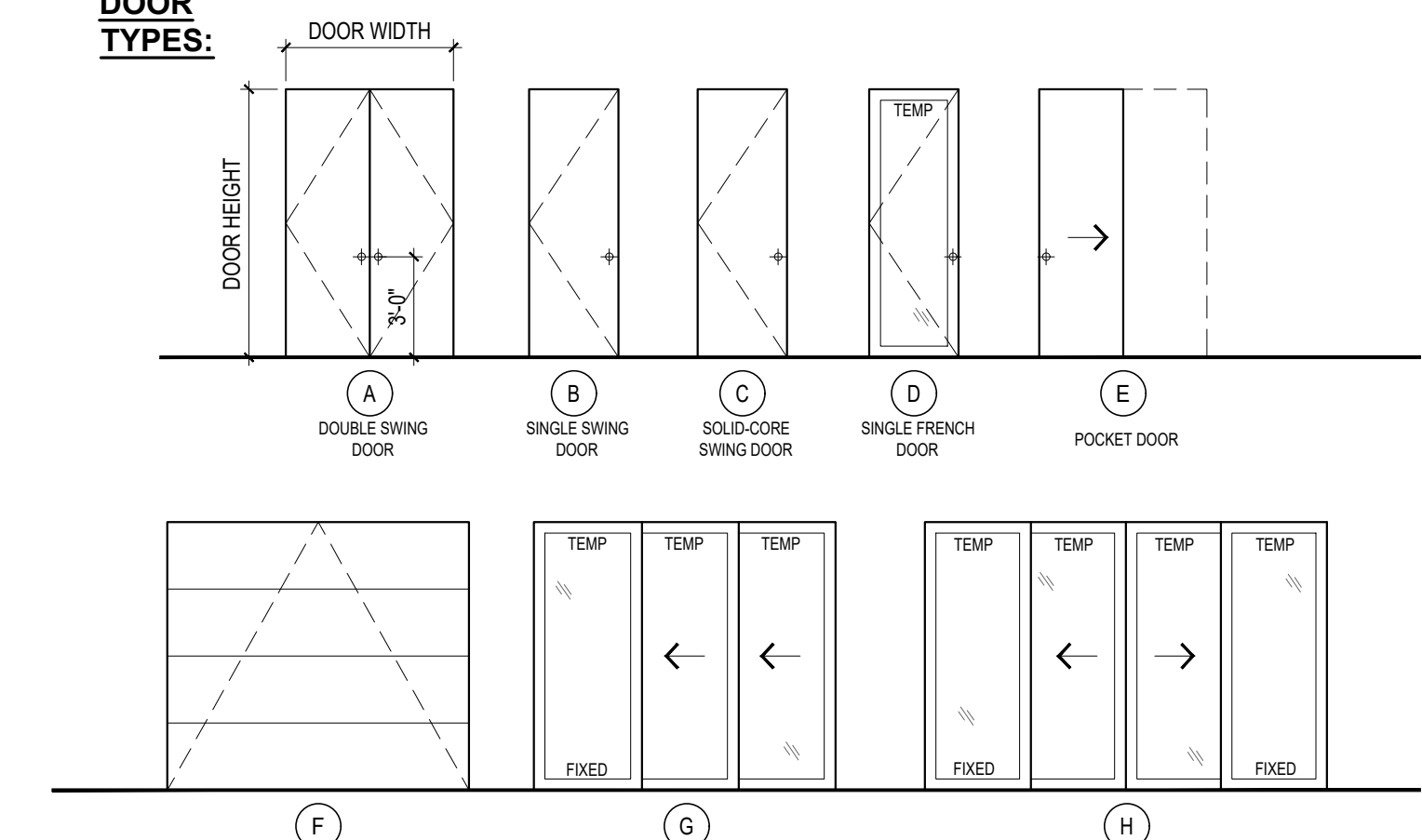
SCHEDULE NOTES:

- CONTRACTOR TO VERIFY ALL GLAZING SIZING, AND DOOR DIMENSIONS IN FIELD PRIOR TO ROUGH FRAMING & ORDERING OF GLAZING/WINDOW/DOOR MATERIALS. REVIEW SIZES AND ANY DISCREPANCIES W/ ARCHITECT.
- ALL GLAZING TO BE "LOW E", INSULATED GLASS UNLESS NOTED OTHERWISE.
- ALL OPERABLE WINDOWS TO HAVE SCREENS.
- GLAZING INDOORS AND/OR WITHIN 24" OF A DOOR TO BE TEMPERED. SEE EXTERIOR ELEVATION FOR TEMP. GLASS LOCATION & EGRESS WINDOWS.
- 2018 WSEC & VIAQ RESIDENTIAL PRESCRIPTIVE OPTION 3 ADOPTED. GLAZING AREA INDICATED UNLIMITED. SEE ENERGY NOTE AT A1.0 SHEET FOR DETAILS.
- ALL SKYLIGHTS SHALL BE FULLY TEMPERED OVER LAMINATED GLASS

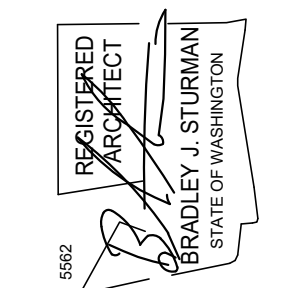
WINDOW SCHEDULE

WINDOW MARK	DESCRIPTION	R.O. SIZE WIDTH	R.O. SIZE HEIGHT	TEMP.	QTY.	TOTAL AREA (SF)	U-VALUE (MIN.)	NFRC CERT.	GLAZING	REMARKS & NOTES
A	CASEMENT	2'-6"	5'-0"	-	6	-	.28	Y	LOW E / CLEAR	EGRESS
A1	FIXED	2'-6"	5'-0"	-	1	-	.28	Y	LOW E / CLEAR	
B	CASEMENT	2'-0"	4'-0"	-	1	-	.28	Y	LOW E / CLEAR	
C	CASEMENT	3'-0"	5'-0"	-	5	-	.28	Y	LOW E / CLEAR	
D	CASEMENT	2'-6"	5'-6"	-	3	-	.28	Y	LOW E / CLEAR	
D1	FIXED	2'-6"	5'-6"	-	1	-	.28	Y	LOW E / CLEAR	
E	FIXED	2'-4"	4'-6"	-	4	-	.28	Y	LOW E / CLEAR	
F	FIXED	3'-0"	3'-0"	-	1	-	.28	Y	LOW E / CLEAR	
G	FIXED	3'-0"	2'-0"	-	7	-	.28	Y	LOW E / CLEAR	
H	FIXED	3'-0"	2'-6"	-	20	-	.28	Y	LOW E / CLEAR	
I	FIXED	4'-0"	2'-6"	-	1	-	.28	Y	LOW E / CLEAR	
J	FIXED	3'-0"	7'-0"	Y	2	-	.28	Y	LOW E / CLEAR	TEMPERED GLASS
K	FIXED	4'-0"	7'-0"	Y	1	-	.28	Y	LOW E / CLEAR	TEMPERED GLASS
L	FIXED	3'-0"	8'-0"	Y	1	-	.28	Y	LOW E / CLEAR	TEMPERED GLASS
M	CASEMENT	3'-0"	4'-0"	Y	2	-	.28	Y	LOW E / CLEAR	TEMPERED GLASS
N	CASEMENT	3'-0"	4'-6"	Y	1	-	.28	Y	LOW E / CLEAR	TEMPERED GLASS

DOOR TYPES:



SCALE: IF SHEET IS LESS THAN 24" X 36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY
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4603 89TH AVE SE
MERCER ISLAND, WA 98040

**BUILDING SECTIONS
DOOR & WINDOW SCHEDULES**

REVISIONS:
2022-11-29 Corrections #1
2023-2-15 Corrections #2
2023-8-22 Design Revisions

DRAWN BY: KE

CHECKED BY: BUS

SHEET

A4.2

PLOT DATE: 8/22/2023

REV-3
CURRENTLY
IN PERMIT
REVISION
REVIEW

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REGISTERED
ARCHITECT
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STATE OF WASHINGTON

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KOCH RESIDENCE
PERMIT SET
4603 89TH AVE SE
MERCER ISLAND, WA 98040

WALL SECTIONS

REVISIONS:
2022-11-29 Corrections #1
2023-02-15 Corrections #2
2023-08-22 Design Revisions

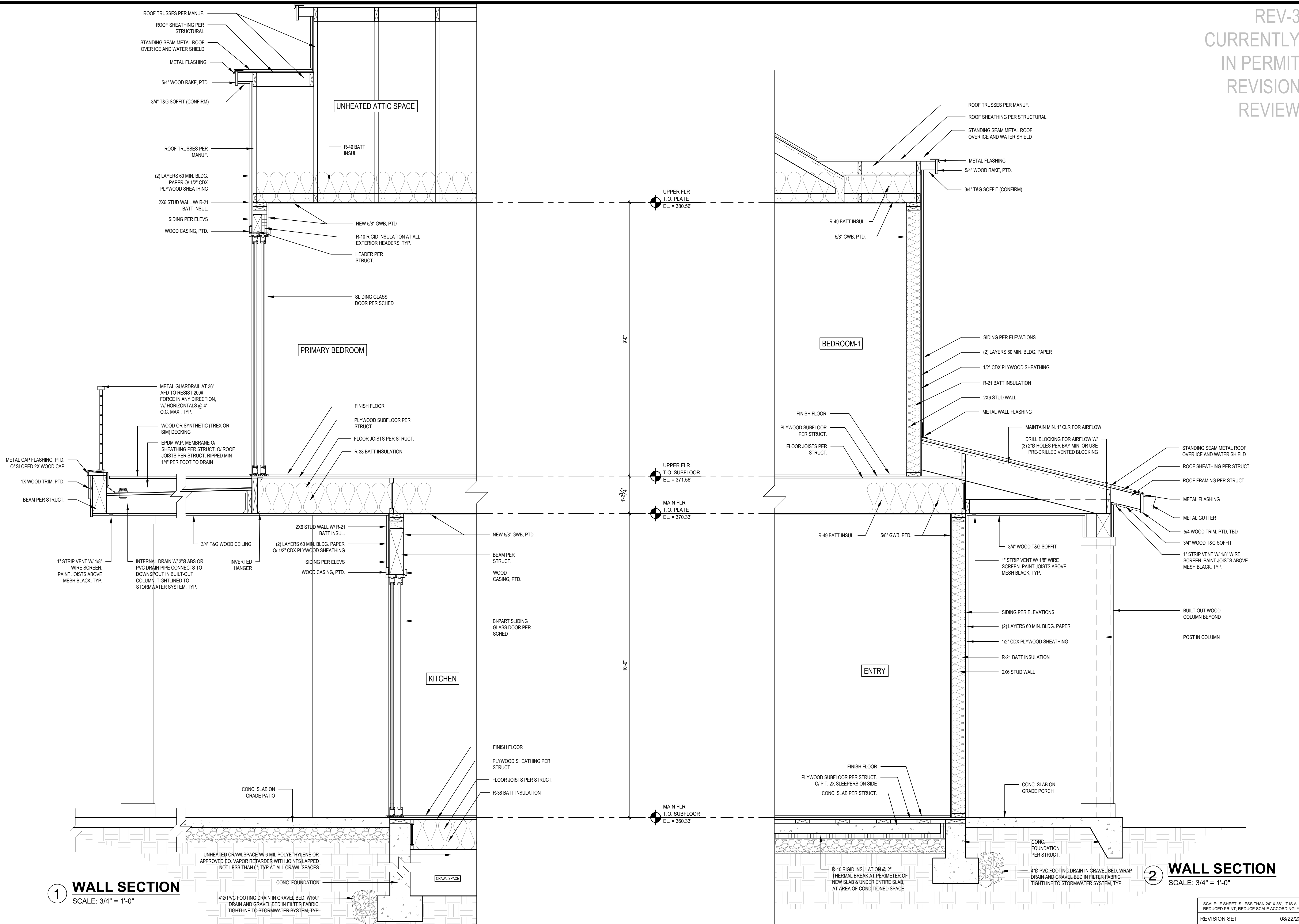
DRAWN BY: KE

CHECKED BY: BJS

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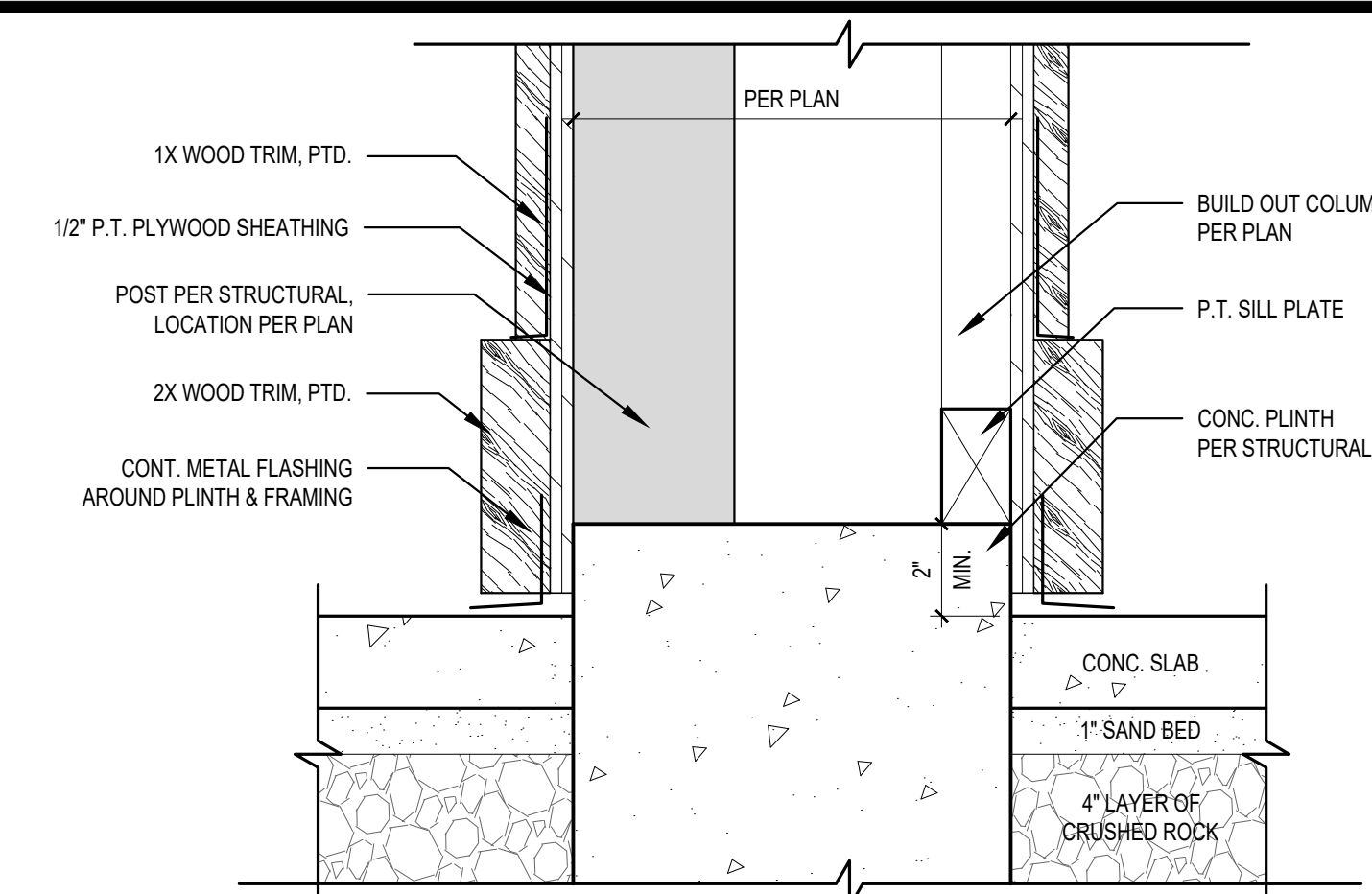
PLOT DATE: 8/22/2023



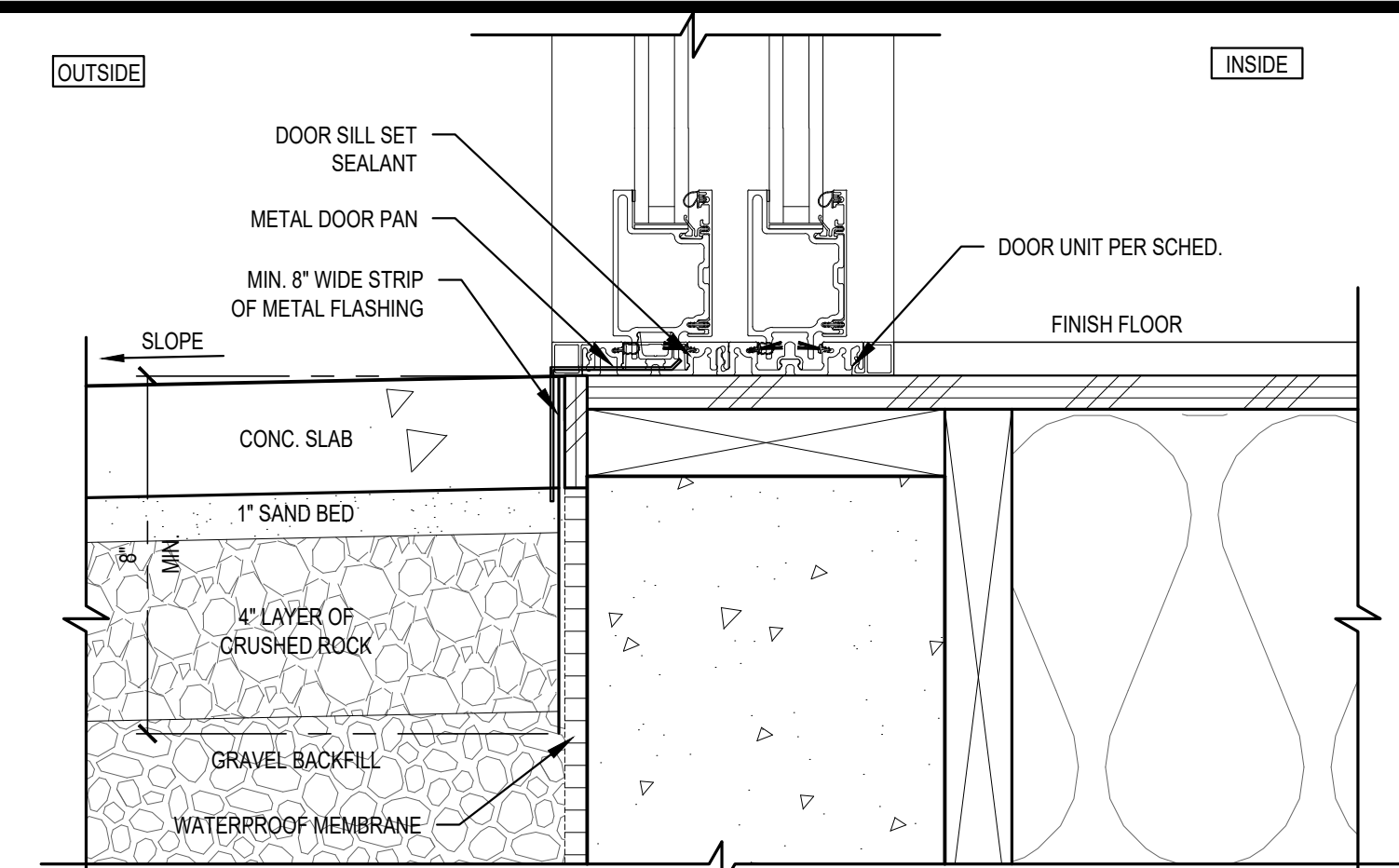
1 WALL SECTION
SCALE: 3/4" = 1'-0"

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

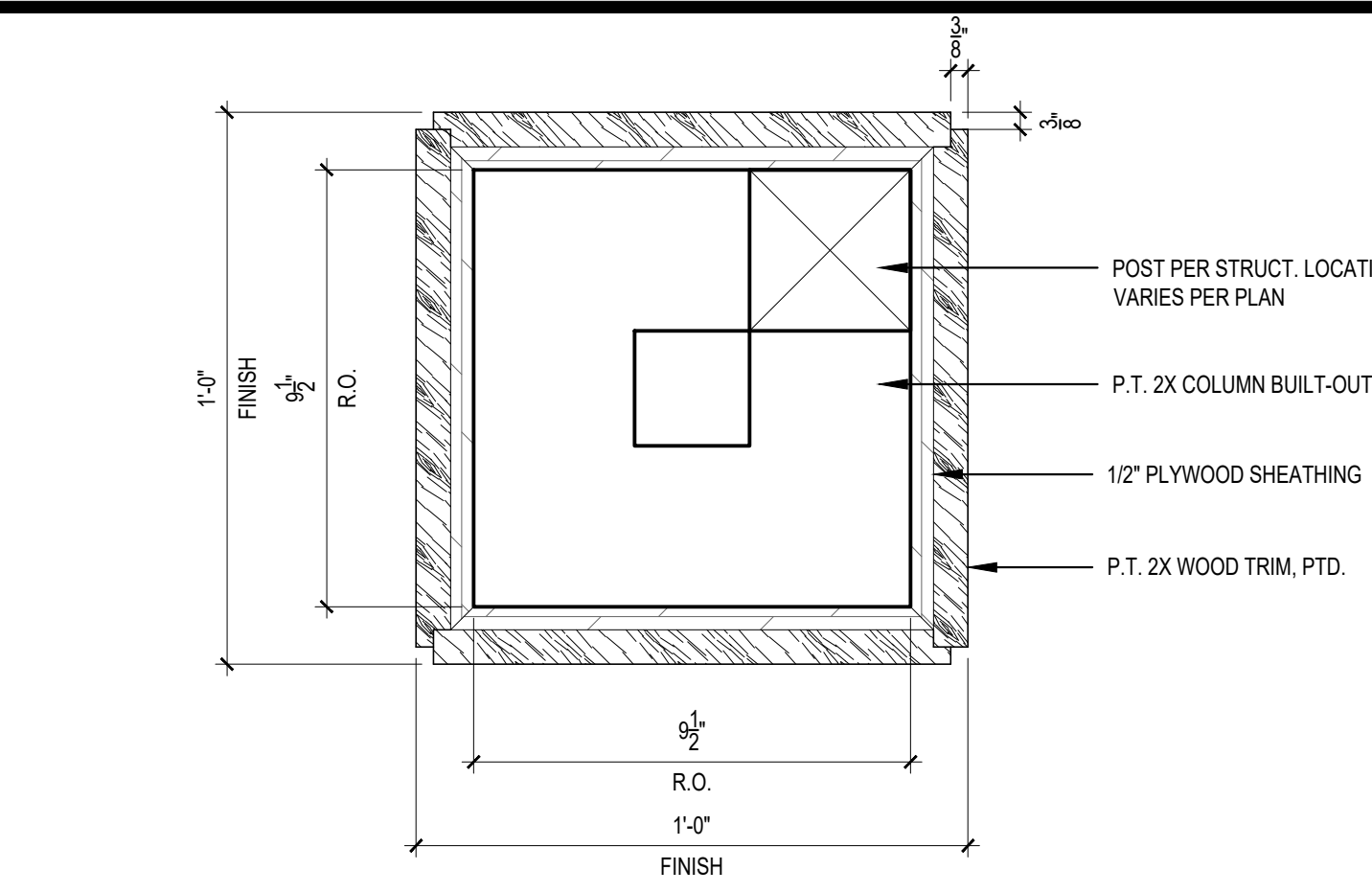
SCALE: IF SHEET IS LESS THAN 24" X 36", IT IS A REDUCED PRINT; REDUCE SCALE ACCORDINGLY.
REVISION SET 08/22/23 PLOT DATE: 8/22/2023



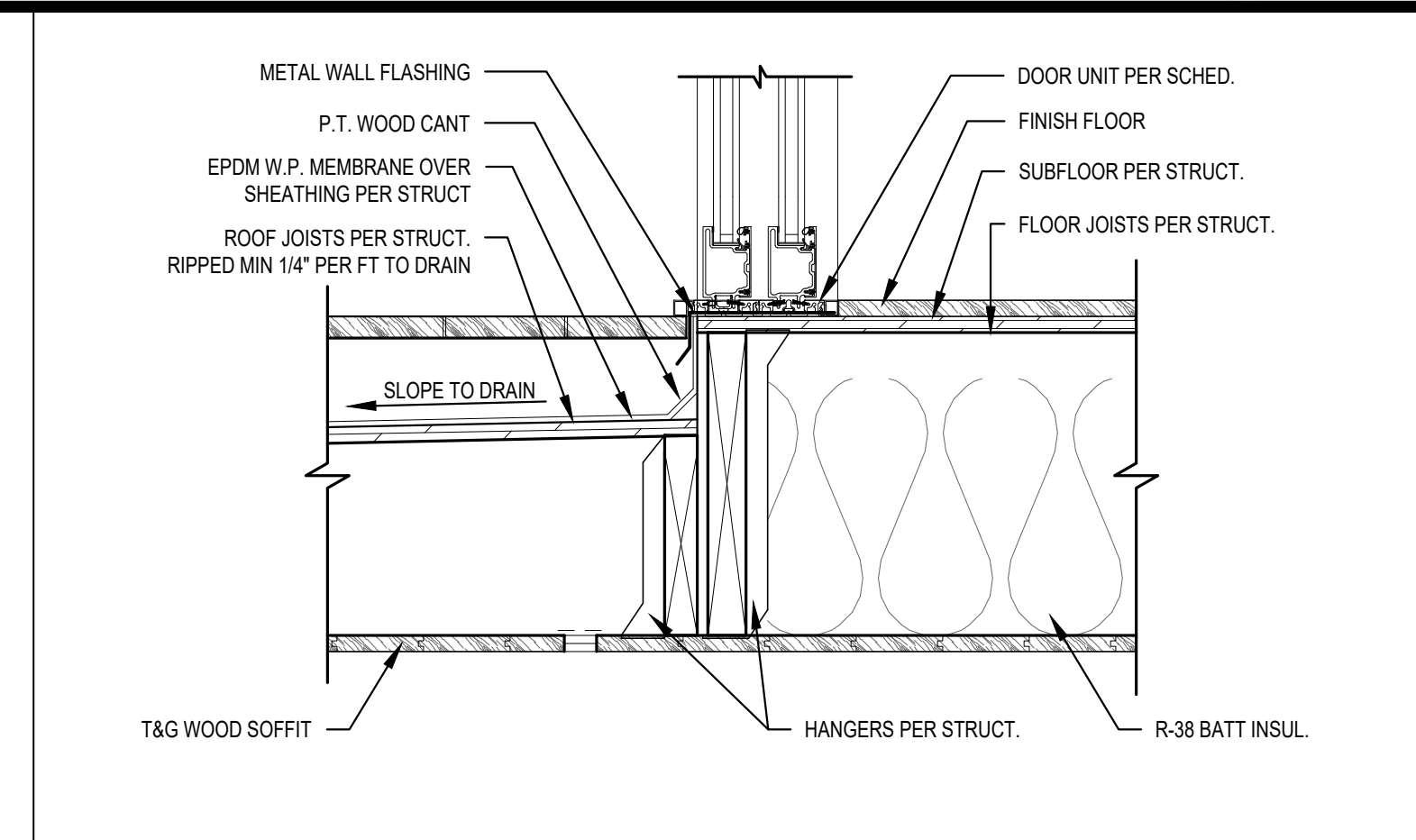
1 BUILT-OUT COLUMN CONC. PLINTH SECTION
SCALE: 3" = 1'-0"



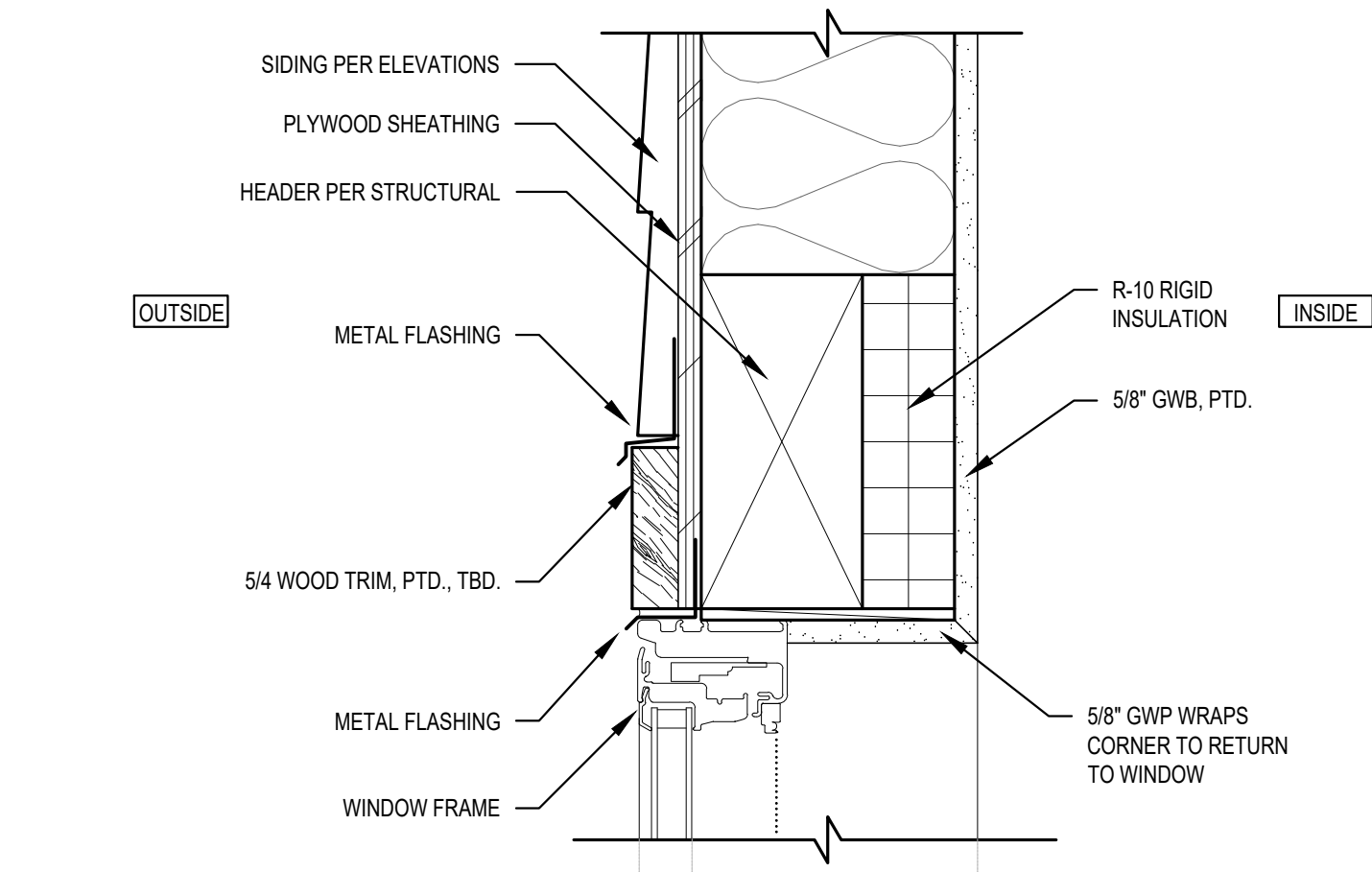
2 FLASHING DETAIL @ FLUSH THRESHOLD
SCALE: 3" = 1'-0"



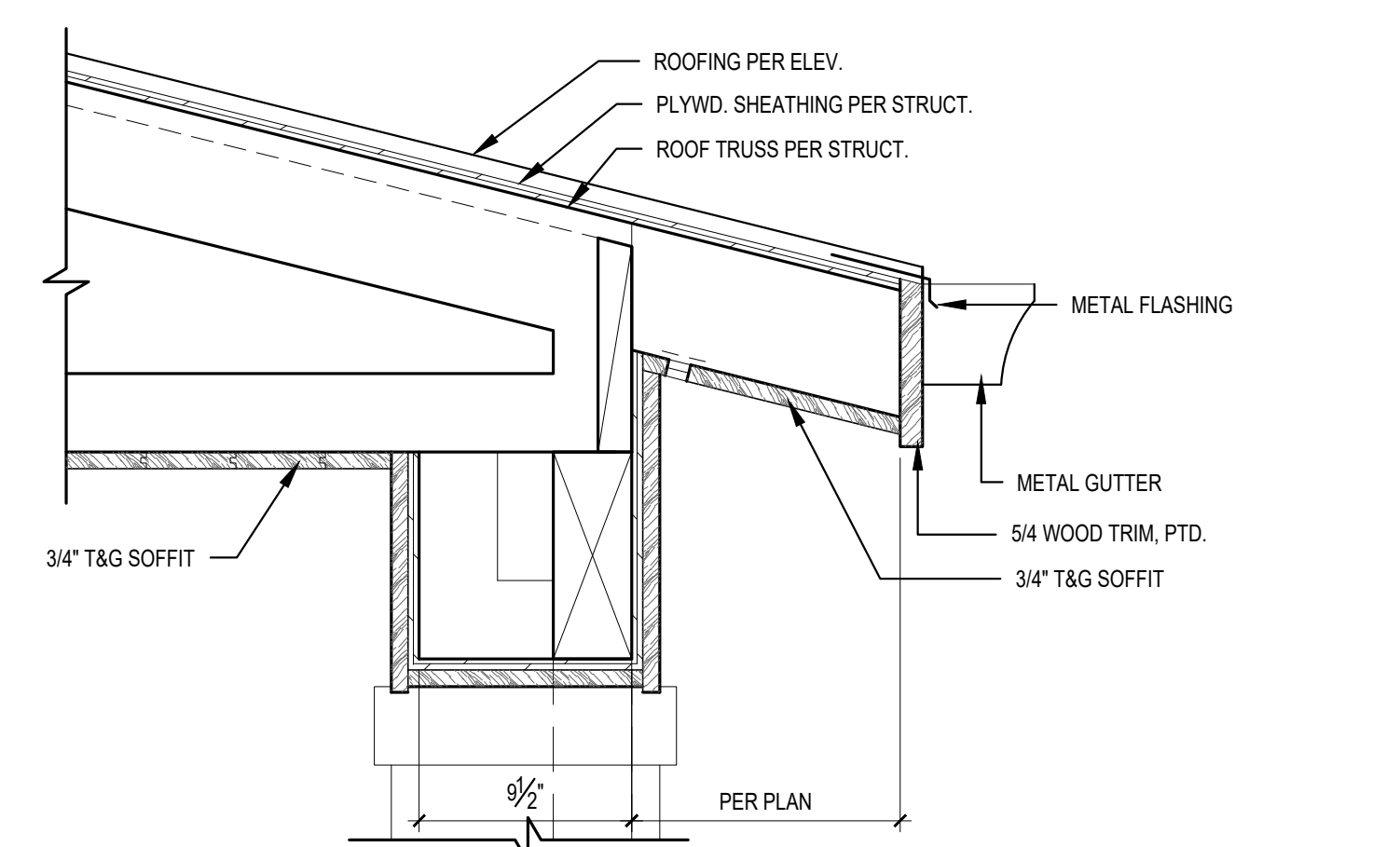
3 BUILT-OUT WOOD COLUMN PLAN
SCALE: 3" = 1'-0"



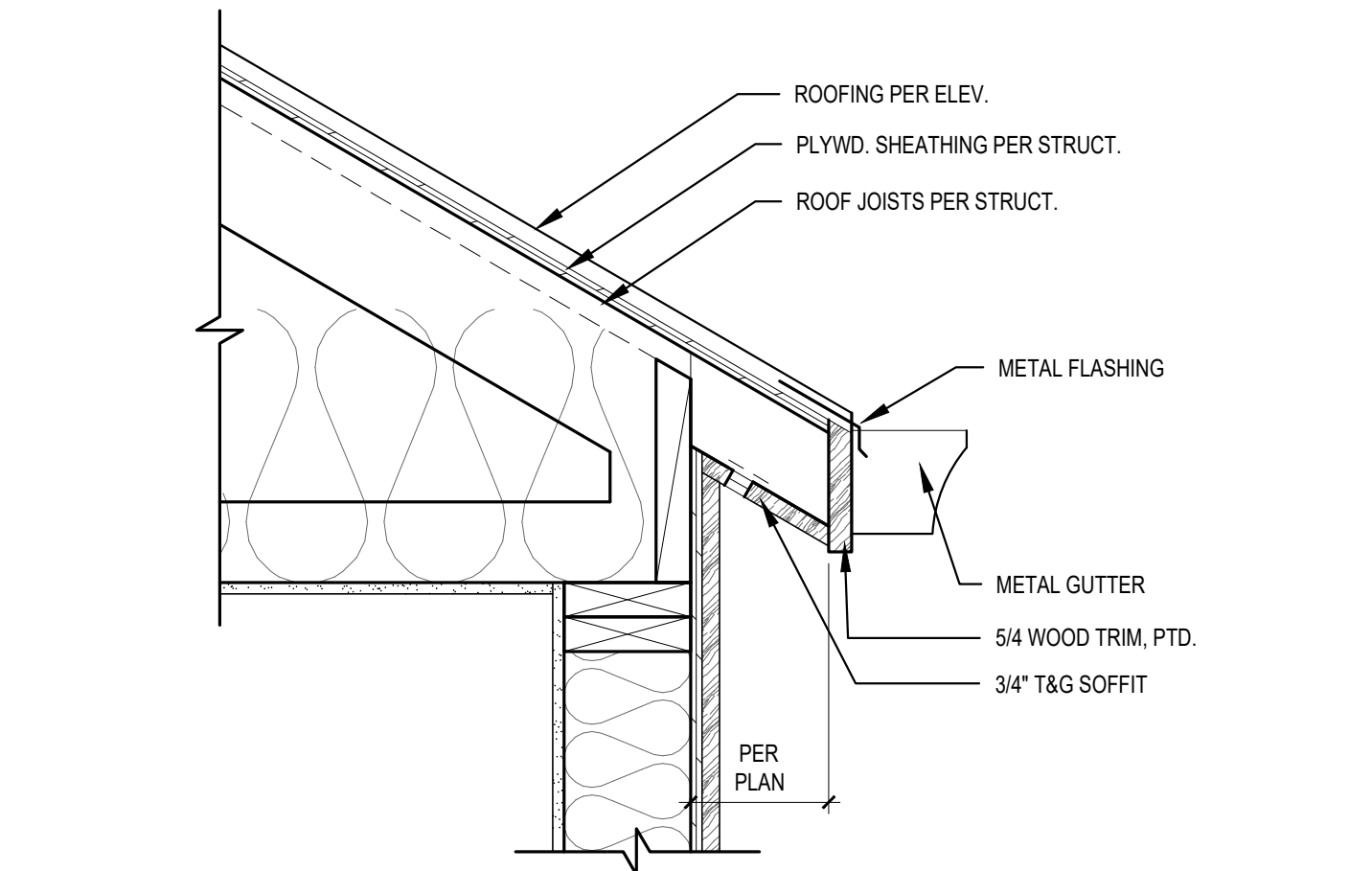
4 THRESHOLD @ DECK SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



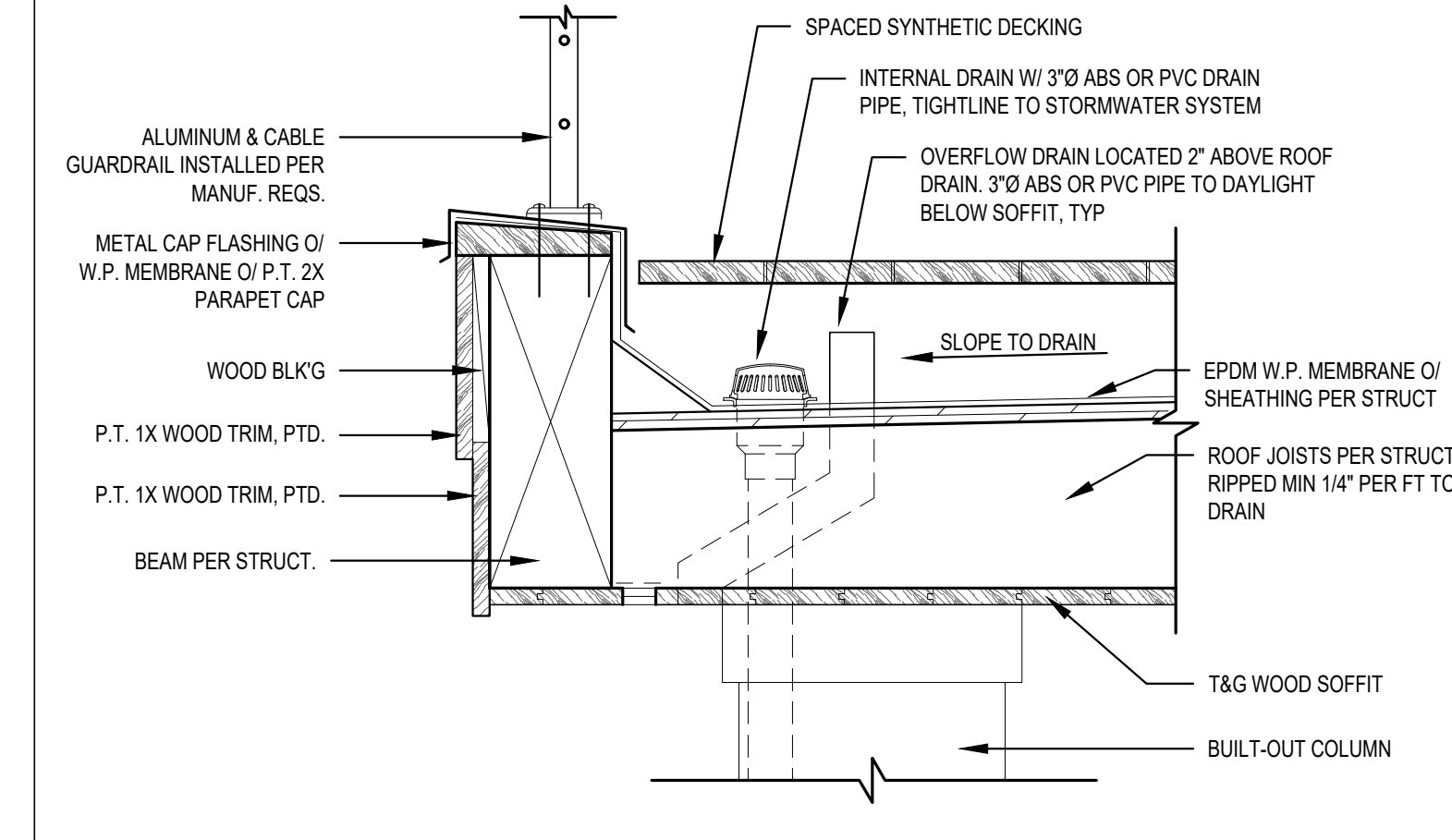
5 TYP. WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"
SIM. AT WINDOW JAMB



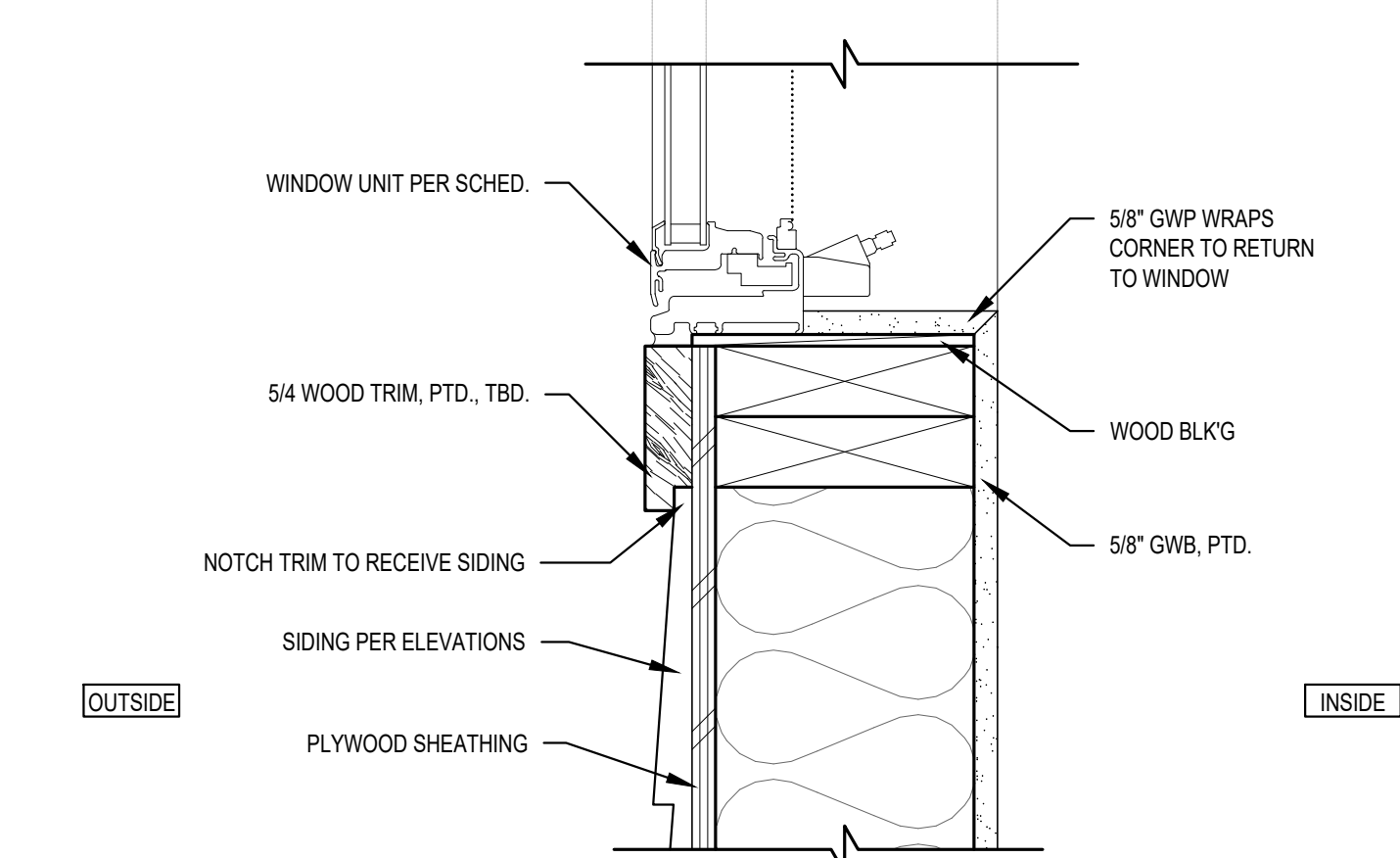
6 ENTRY ROOF EAVE DETAIL
SCALE: 1-1/2" = 1'-0"



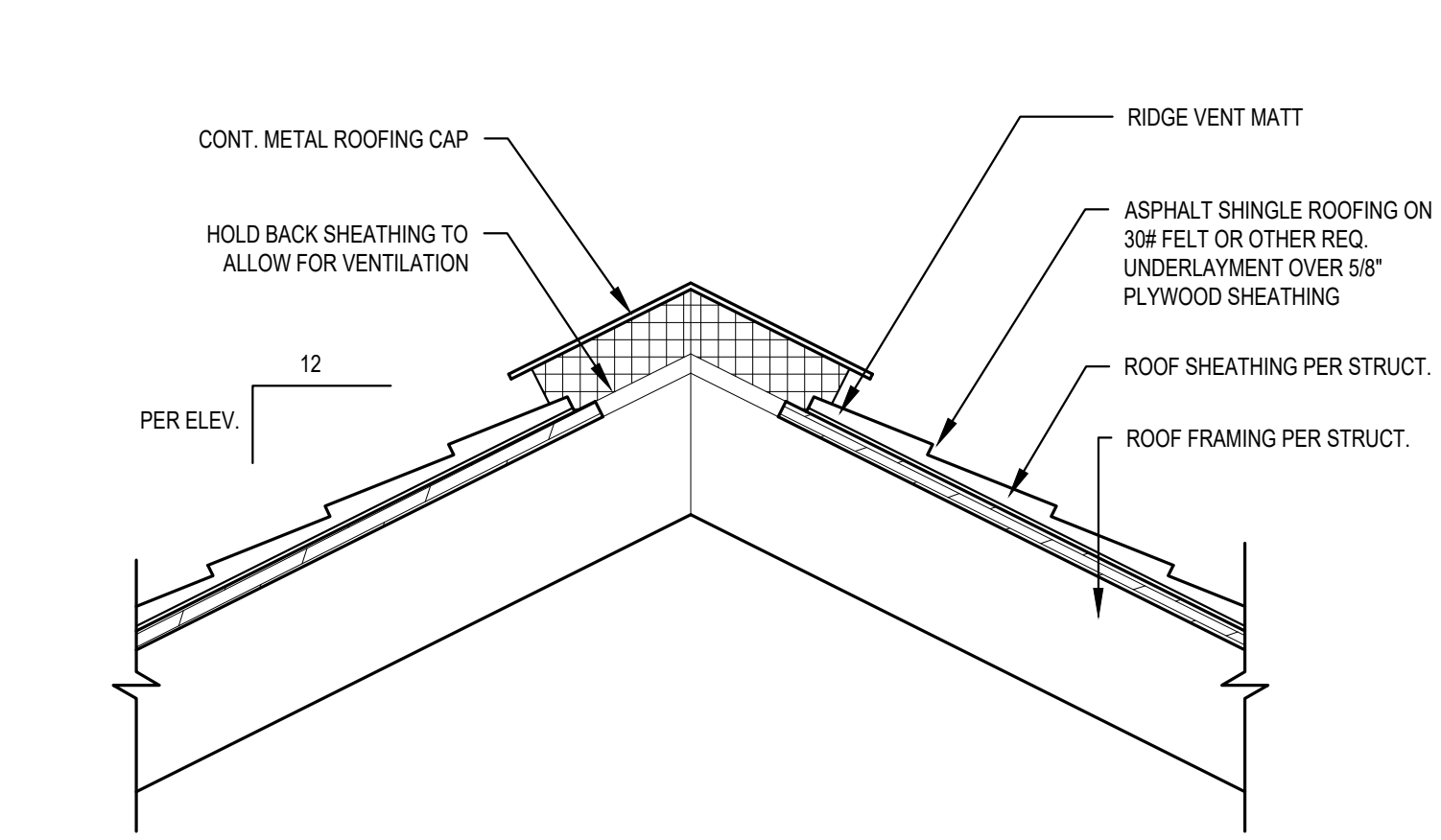
7 TYPICAL EAVE DETAIL
SCALE: 1-1/2" = 1'-0"



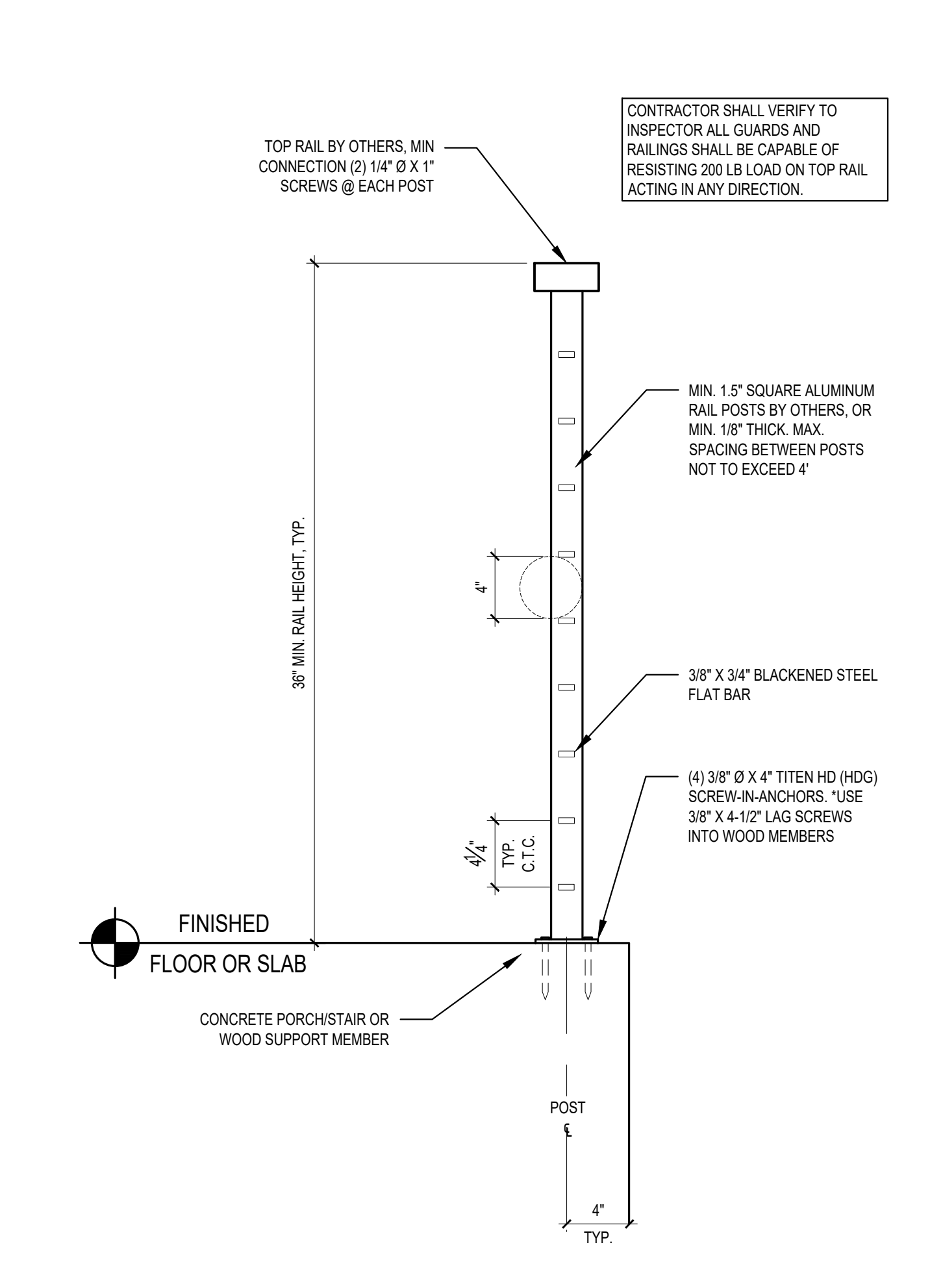
8 THRESHOLD @ DECK SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



9 TYP. WINDOW SILL DETAIL
SCALE: 3" = 1'-0"



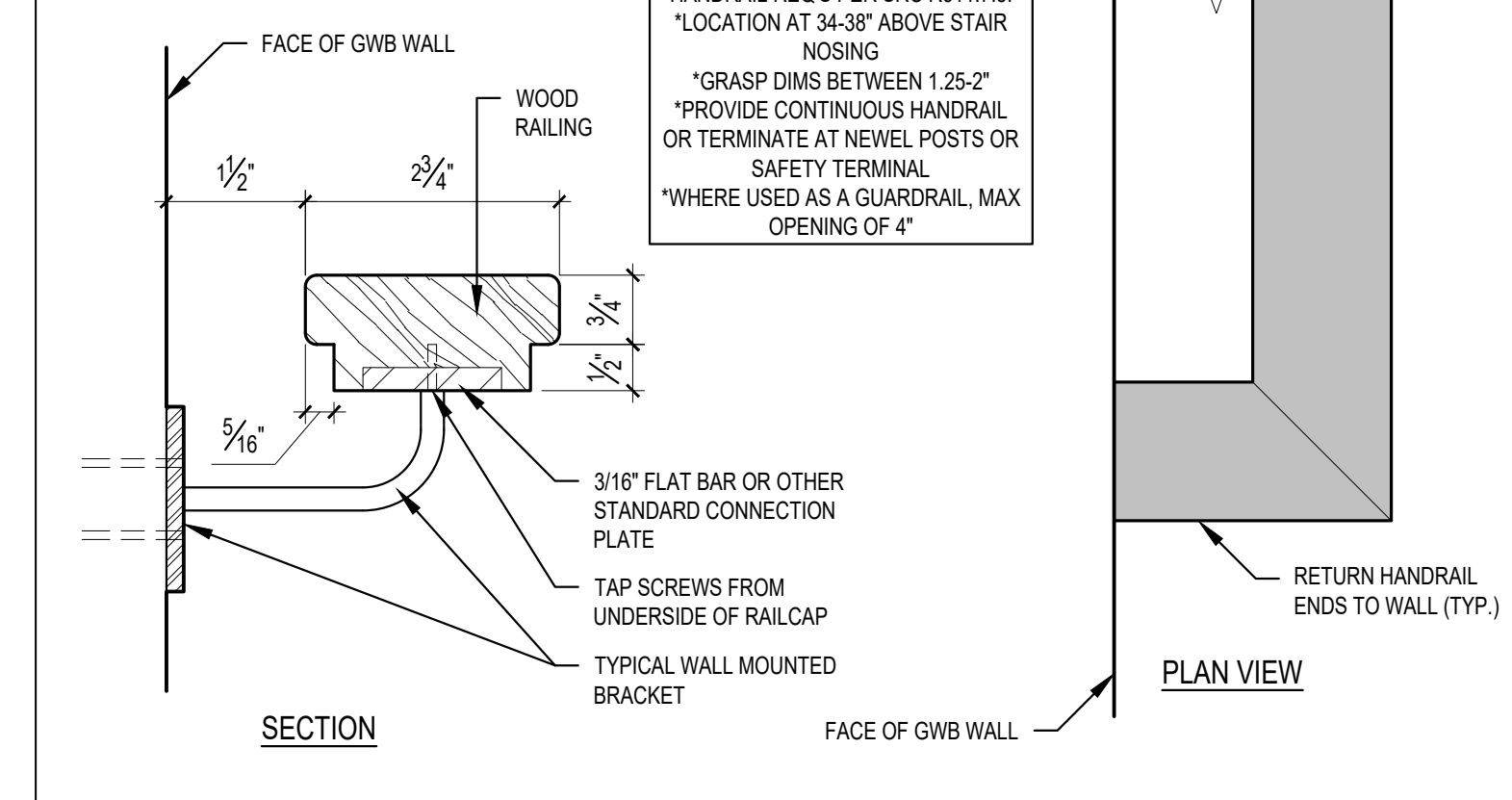
10 TYP. ROOF RIDGE VENT DETAIL
SCALE: 1 1/2" = 1'-0"



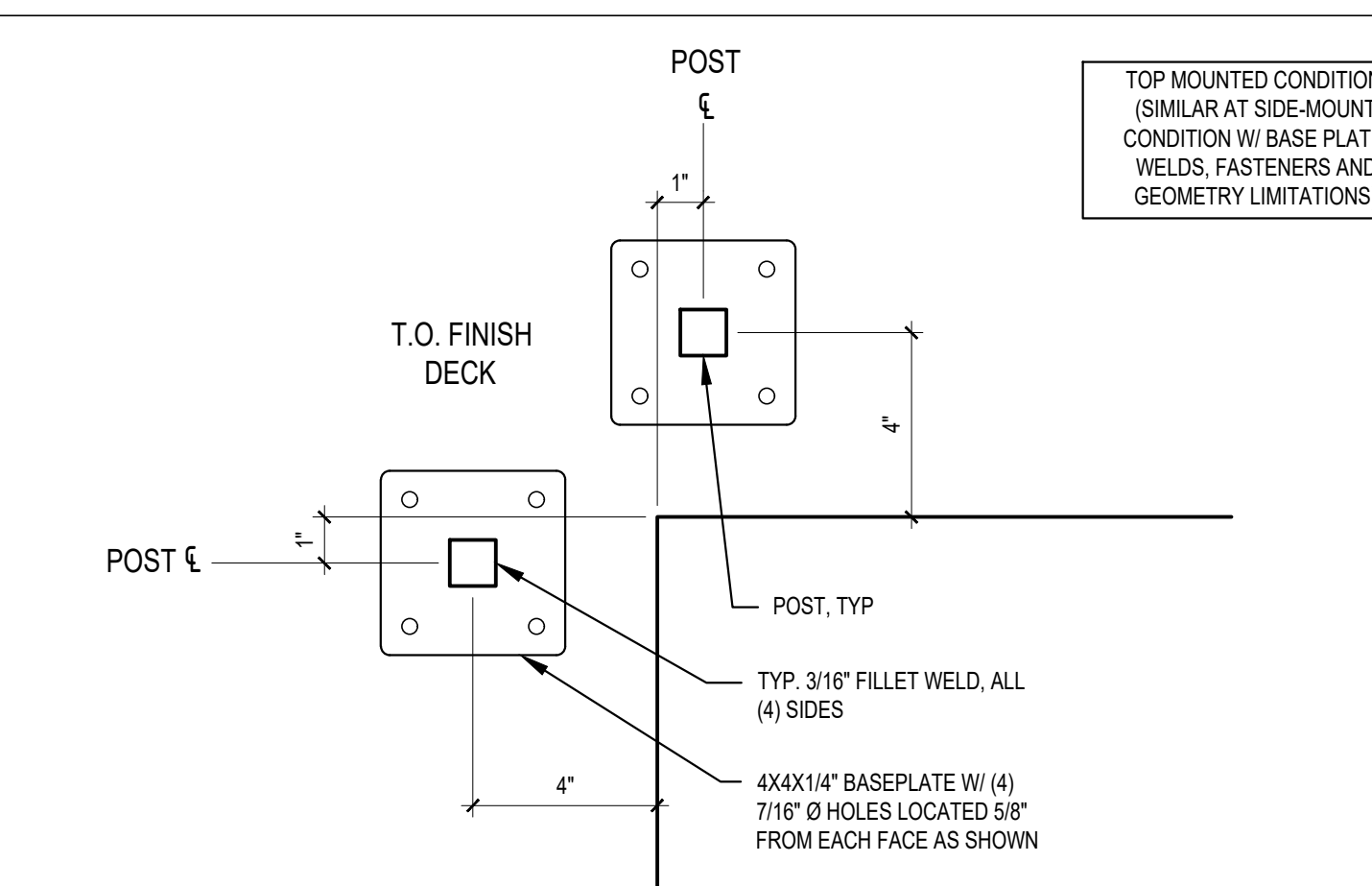
14 RAILING ATTACHMENT - TOP-MOUNTED
SCALE: 1-1/2" = 1'-0"



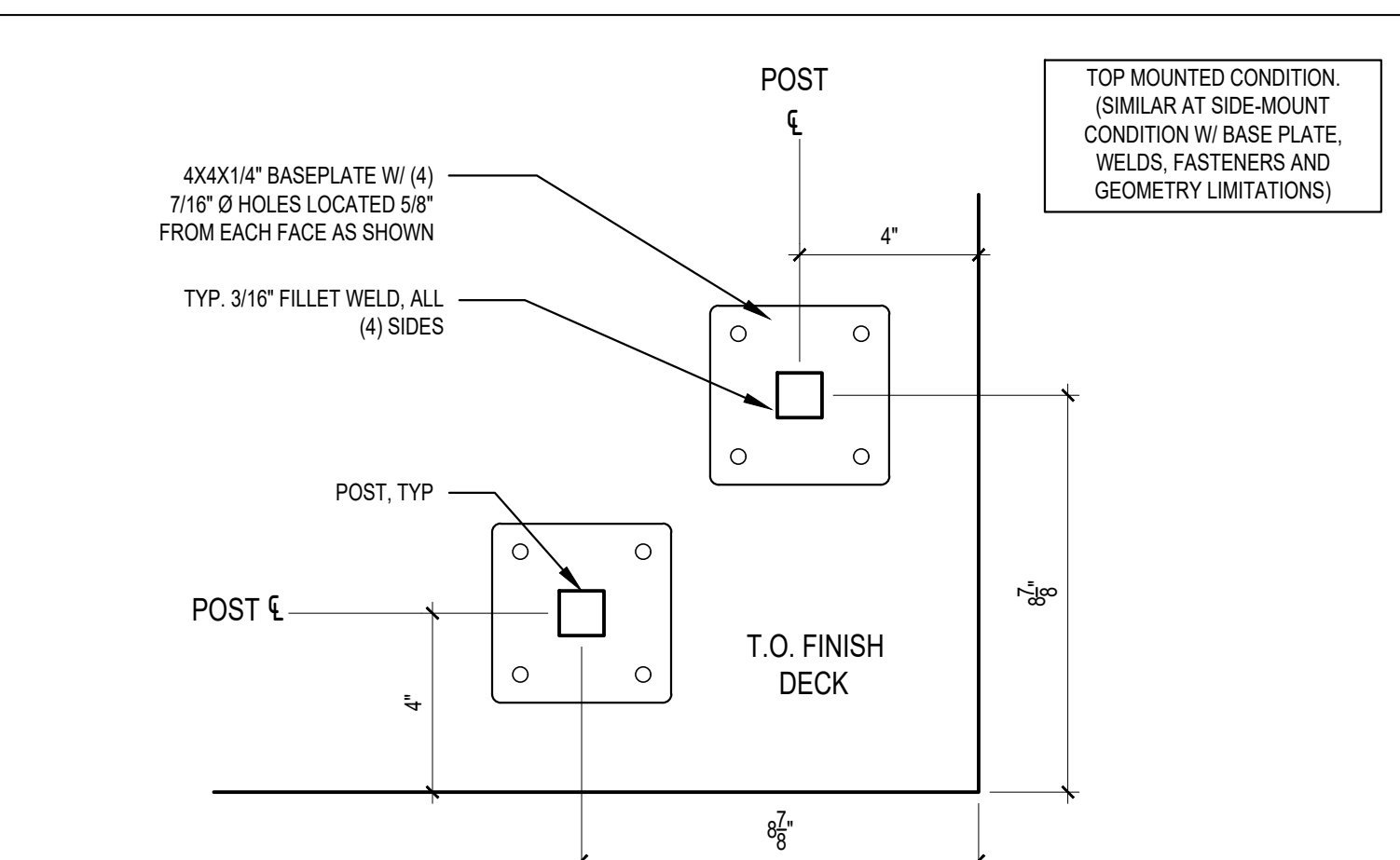
11 NOT USED
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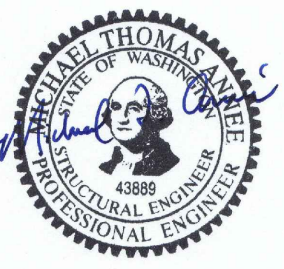
15 HANDRAIL DETAIL
SCALE: 6" = 1'-0"



12 GUARDRAIL PLATE ATTACHMENT
SCALE: 3" = 1'-0"
SIM. AT SIDE-MOUNTED



13 GUARDRAIL PLATE ATTACHMENT
SCALE: 3" = 1'-0"
SIM. AT SIDE-MOUNTED



REVISIONS:

2022-11-29	Corrections #1
2023-02-15	Corrections #2
2023-08-22	Design Revisions

DRAWN BY: KE
 CHECKED BY: BJS
 SHEET

HANGER SCHEDULE	
MEMBER	HANGER
2x JOISTS	LUS
14" TJI230	IUS/ITS2.37/14
14" TJI560	IUS/ITS3.56/14
1-3/8"x14 LSL/LVL	HUS1.81/10
3-3/8"x14 LSL/PSL	HHUS410
5-3/8"x14 PSL	HGUS5.510
11-3/8" TJI210	IUS/ITS2.06/11.88
3-3/8"x11-3/8" LSL/PSL	HHUS410

GENERAL FRAMING NOTES:

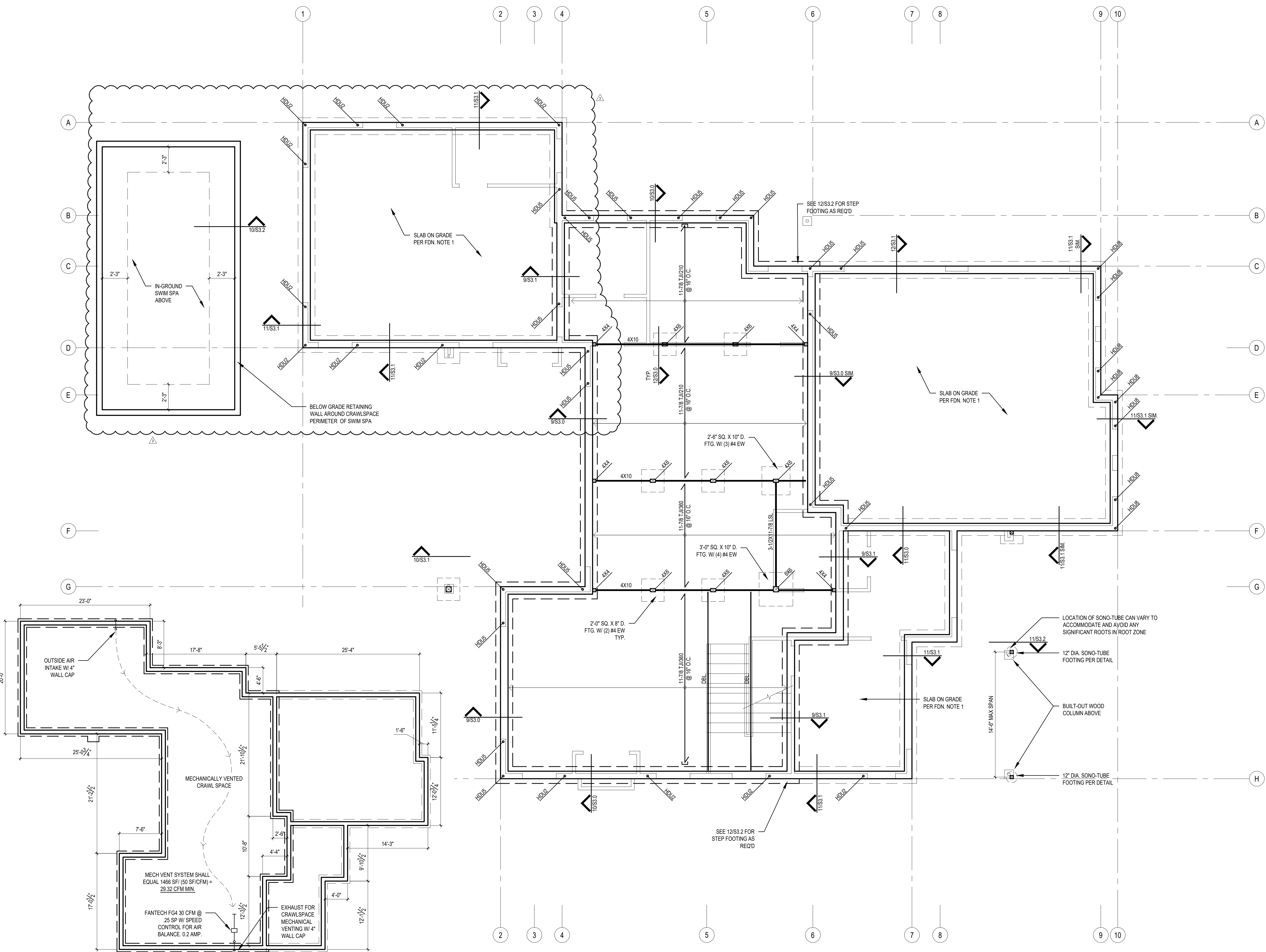
- ALL BEAMS SHALL BE FLUSH AND ALL HEADERS DROPPED, UNO. TYPICAL POST-TO-BEAM CONNECTIONS SHALL BE AC/BC/PC POST CAP AND/OR POST BASE. SEE 3/S3.2.
- TYPICAL HEADERS SHALL BE 4x6 DF#2, UNO. SEE 4/S3.2 FOR TYPICAL INSTALLATION.
- PROVIDE (2) BEARING STUDS UNDER EACH END OF ALL BEAMS AND (1) 2x TRIMMER (BEARING) STUD AND (1) 2x KING (FULL-HEIGHT) STUD AT EACH END OF ALL HEADERS, UNO. NAIL STUDS TOGETHER PER GENERAL STRUCTURAL NOTES.
- PROVIDE SOLID BEARING BELOW ALL POINT LOADS ABOVE.
- STUD WALLS SHALL BE 2x HF STUDS @ 16"oc, UNO. SEE SHEAR WALL, HOLDOWN AND STRAP SCHEDULES ON S1.1 FOR ADDITIONAL REQUIREMENTS AT SHEAR WALL FRAMING.
- AT BREAKS IN DOUBLE TOP PLATE OF ALL EXTERIOR WALLS AND ALL SHEAR WALLS SEE DETAIL 3/S1.1.
- SW-X INDICATES SHEAR WALL PER SCHEDULE 1/S1.1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. ALL NEW, EXTERIOR WALLS SHALL BE SHEATHED PER SW6, UNO.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

FOUNDATION NOTES:

- TYPICAL SLAB ON GRADE AT INTERIOR SHALL BE 4" THICK. REINFORCE ALL SLABS w/ W/F6x6-W2.9xW2.9 AT CENTERLINE.
- INDICATES HOLDOWN LOCATED AT END OF SHEAR WALL ABOVE. SEE HOLDOWN SCHEDULES ON 4/S1.1.

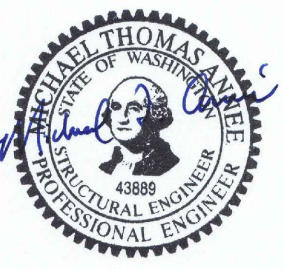
MAIN FLOOR FRAMING NOTES:

- FLOOR SHEATHING SHALL BE MIN 7/8" APA RATED SHEATHING (48/24). NAIL @ ALL PANEL EDGES AND OVER ALL SHEAR WALLS w/ 0.113" @ 6"oc AND 12"oc TO ALL INTERMEDIATE FRAMING. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO JOISTS DIRECTION, STAGGER PANEL JOINTS.
- TYPICAL FLOOR FRAMING SHALL BE 11-7/8" TJI210 @ 16"oc, DIRECTION PER PLAN. JOIST TO SPAN CONTINUOUS AS INDICATED ON PLAN.
- LSL - INDICATES FLUSH-FRAMED 1-3/8"x11-3/8" LSL BEAM. ALL JOISTS AND 11-3/8" DEEP BEAMS SHALL BE FLUSH-FRAMED & ALL 4x HEADERS/GLULAM BEAMS SHALL BE DROPPED UNO.
- DS - INDICATES FLUSH-FRAMED 1-3/8"x11-3/8" LSL DRAG STRUT. NAIL SHEATHING OVER ENTIRE LENGTH w/ 0.131" @ NAILS @ 4"oc.
- INDICATES HOLDOWN LOCATED AT END OF SHEAR WALL ABOVE. SEE SCHEDULE ON 4/S1.1.



2 CRAWL SPACE VENTING PLAN
 SCALE: 1/8" = 1'-0"

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



REVISIONS:

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2023-08-22	Design Revisions

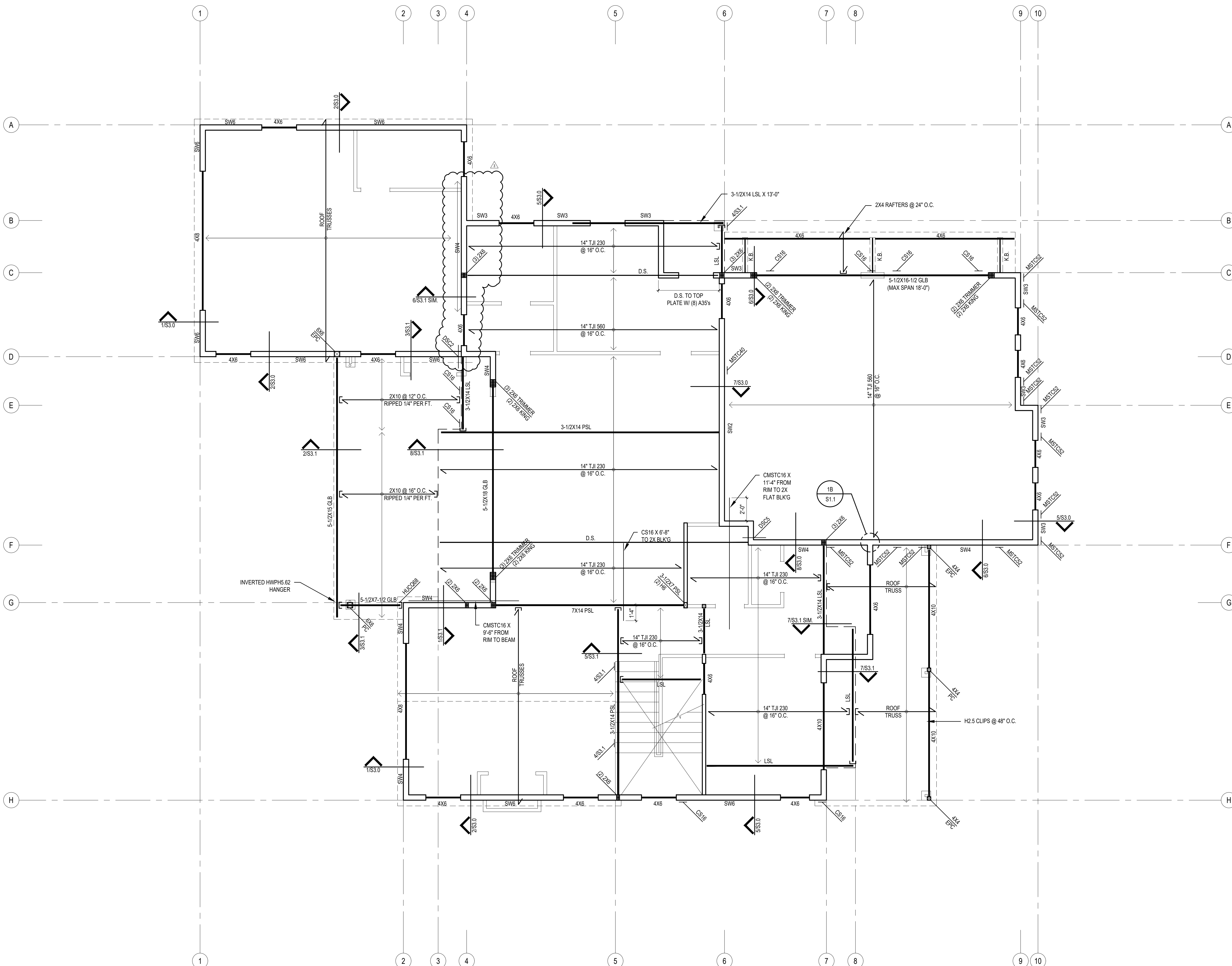
DRAWN BY: KE

CHECKED BY: BJS

SHEET

S2.1

PLOT DATE: 8/22/2023



GENERAL FRAMING NOTES:

- ALL BEAMS SHALL BE FLUSH AND ALL HEADERS DROPPED. UNO. TYPICAL POST-TO-BEAM CONNECTIONS SHALL BE AC/BC/PC POST CAP AND/OR POST BASE, SEE 3/S3.2.
- TYPICAL HEADERS SHALL BE 4x6 DF#2, UNO. SEE 4/S3.2 FOR TYPICAL INSTALLATION.
- PROVIDE (2) BEARING STUDS UNDER EACH END OF ALL BEAMS AND (1) 2x TRIMMER (BEARING) STUD AND (1) 2x KING (FULL-HEIGHT) STUD AT EACH END OF ALL HEADERS, UNO. NAIL STUDS TOGETHER PER GENERAL STRUCTURAL NOTES.
- PROVIDE SOLID BEARING BELOW ALL POINT LOADS ABOVE.
- STUD WALLS SHALL BE 2x HF STUDS @ 16"oc. UNO. SEE SHEAR WALL, HOLDOWN AND STRAP SCHEDULES ON S1.1 FOR ADDITIONAL REQUIREMENTS AT SHEAR WALL FRAMING.
- AT BREAKS IN DOUBLE TOP PLATE OF ALL EXTERIOR WALLS AND ALL SHEAR WALLS SEE DETAIL 3/S1.1.
- SW-X INDICATES SHEAR WALL PER SCHEDULE 1/S1.1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. ALL NEW, EXTERIOR WALLS SHALL BE SHEATHED PER SW6, UNO.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

UPPER FLOOR FRAMING NOTES:

- FLOOR SHEATHING SHALL BE MIN. 3/8" APA RATED SHEATHING (4824). NAIL @ ALL PANEL EDGES AND OVER ALL SHEAR WALLS w/0.113" @ 6"oc AND 12"oc TO ALL INTERMEDIATE FRAMING. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO JOISTS DIRECTION, STAGGER PANEL JOINTS.
- TYPICAL FLOOR FRAMING SHALL BE 14" TJI/230 @ 16"oc. DIRECTION PER PLAN. JOIST TO SPAN CONTINUOUS AS INDICATED ON PLAN.
- LSL - INDICATES FLUSH-FRAMED 1-3/4x14 LSL BEAM. ALL JOISTS AND 14" DEEP BEAMS SHALL BE FLUSH-FRAMED & ALL 4x HEADERS/GLULAM BEAMS SHALL BE DROPPED UNO.
- DS - INDICATES FLUSH-FRAMED 1-3/4x14 LSL DRAG STRUT. NAIL SHEATHING OVER ENTIRE LENGTH w/ 0.131" @ NAILS @ 4"oc.
- ⊗ INDICATES STRAP AT END OF SHEAR WALL ABOVE, SEE SCHEDULE ON 2/S1.1.

HANGER SCHEDULE	
MEMBER	HANGER
2x JOISTS	LUS
14" TJI/230	IUS/ITS2.37/14
14" TJI/560	IUS/ITS3.56/14
1-3/4x14 LSL/LVL	HUS1.81/10
3-3/4x14 LSL/PSL	HHUS410
5-3/4x14 PSL	HGUS5.510
11-3/4" TJI/210	IUS/ITS2.06/11.88
3-3/4x11-3/4 LSL/PSL	HHUS410

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

HANGER SCHEDULE	
MEMBER	HANGER
2x JOISTS	LUS
14" TJI230	IUS/ITS2.37/14
14" TJI560	IUS/ITS3.56/14
1-3/4"x14 LSL/LVL	HUS1.81/10
3-3/4"x14 LSL/PSL	HHUS410
5-3/4"x14 PSL	HGUS5.510
11-3/8" TJI210	IUS/ITS2.06/11.88
3-3/4"x11-3/8 LSL/PSL	HHUS410

GENERAL FRAMING NOTES:

- ALL BEAMS SHALL BE FLUSH AND ALL HEADERS DROPPED, UNO. TYPICAL POST-TO-BEAM CONNECTIONS SHALL BE AC/BC/PC POST CAP AND/OR POST BASE, SEE 3/S3.2.
- TYPICAL HEADERS SHALL BE 4x6 DF#2, UNO. SEE 4/S3.2 FOR TYPICAL INSTALLATION.
- PROVIDE (2) BEARING STUDS UNDER EACH END OF ALL BEAMS AND (1) 2x TRIMMER (BEARING) STUD AND (1) 2x KING (FULL-HEIGHT) STUD AT EACH END OF ALL HEADERS, UNO. NAIL STUDS TOGETHER PER GENERAL STRUCTURAL NOTES.
- PROVIDE SOLID BEARING BELOW ALL POINT LOADS ABOVE.
- STUD WALLS SHALL BE 2x HF STUDS @ 16"oc, UNO. SEE SHEAR WALL, HOLDOWN AND STRAP SCHEDULES ON S1.1 FOR ADDITIONAL REQUIREMENTS AT SHEAR WALL FRAMING.
- AT BREAKS IN DOUBLE TOP PLATE OF ALL EXTERIOR WALLS AND ALL SHEAR WALLS SEE DETAIL 3/S1.1.
- SW-X INDICATES SHEAR WALL PER SCHEDULE 1/S1.1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. ALL NEW, EXTERIOR WALLS SHALL BE SHEATHED PER SW6, UNO.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

ROOF FRAMING NOTES:

- ROOF SHEATHING SHALL BE 1/2" APA RATED SHEATHING (32/16) NAIL @ ALL FRAMED PANEL EDGES AND OVER ALL SHEAR WALLS w/0.131" @ 6"oc AND 12"oc TO ALL INTERMEDIATE FRAMING. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO JOISTS DIRECTION, STAGGER PANEL JOINTS.
- TYPICAL ROOF FRAMING SHALL BE PRE-MANUFACTURED MENDING PLATE TRUSSES @ 24"oc UNO.
- DT - INDICATES DRAG TRUSS. TRUSS SHALL BE ENGINEERED TO TRANSFER LATERAL FORCE NOTED ON PLANS FROM ENTIRE LENGTH OF TOP CHORD TO SHEAR WALL ALIGNED AT BOTTOM CHORD. NAIL SHEATHING OVER ENTIRE LENGTH w/0.131" NAILS @ 6"oc.
- GT - INDICATED GIRDER TRUSS PER MANUFACTURER.
- CONTRACTOR TO SUBMIT COPY OF FINAL TRUSS DESIGN SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

Prefabricated Connector Plate Wood Roof Trusses

Prefabricated wood trusses shall be metal plate connected wood trusses designed and fabricated in accordance with the current ANSI/TPI-1. The trusses shall be designed to support their own weight plus superimposed dead, live, uplift and lateral loads including, but not limited to the loads below:

top chord snow load	25 psf unless otherwise noted in the load criteria
top chord dead load	10 psf
bottom chord dead load	10 psf
bottom chord live load	10 psf (uninhabitable attics w/o storage)
bottom chord live load	20 psf (uninhabitable attics w/o storage, but containing areas where the clear distance between the top and bottom chords is greater than or equal to 42" for a horizontal distance of 24" involving (2) or more trusses)

The bottom chord live load does not act concurrently with the roof live or snow load.

See Architectural and mechanical drawings for sprinkler and mechanical equipment loading and for wind uplift (top chord) per ASCE 7-10, use components and cladding loads, see loading criteria.

All top and bottom chord splices shall be connected with approved metal press plates and tension tested to a minimum of 1.2 times the allowable tension parallel to the grain per NDS specifications. Dead load combined with live load deflections shall be limited to span/240 (span/120 at cantilevered members). Live load deflections of members shall be limited to span/360 (span/180 at cantilevered members). Truss load duration factor shall be per the current edition of the NDS.

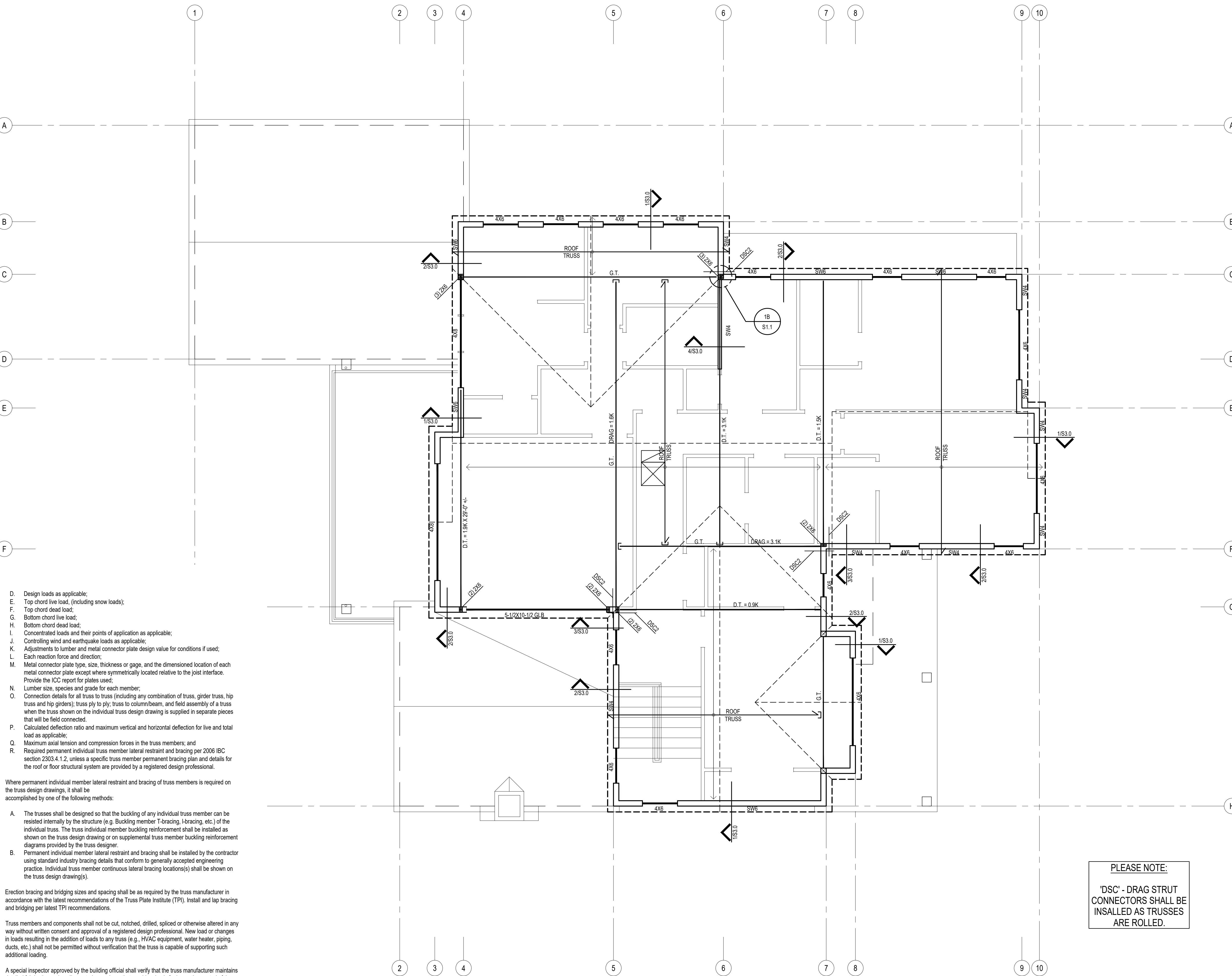
The truss manufacturer shall be responsible for the complete design, fabrication and erection procedures for all trusses, blocking, incidental framing, framing for openings, temporary and permanent member lateral restraint and bracing, bridging, connections, holdown anchors, and all other items required for a complete and safe installation of the truss system. Truss Configurations are shown on the Architectural or structural drawings. The truss manufacturer shall have at least 3 years experience in the fabrication of prefabricated wood trusses.

Design of trusses shall consider deflection of trusses relative to adjacent parallel supports and include design of bridging, bracing, additional trusses or other means necessary to alleviate problems resulting from differential deflections.

Contractor shall submit design calculations and truss design drawings (sealed by a licensed Engineer in the governing jurisdiction) and a truss placement diaphragm in accordance with the Deferred Submittal Section to the Architect and Structural Engineer of Record. Design calculations and truss design drawings shall be approved by the Architect and the building official prior to manufacturing the trusses. The truss placement diagram shall identify the proposed location for each individually designated truss and reference the corresponding truss design drawing. The diagram shall be provided as part of the truss submittal package and included with the shipment of trusses delivered to the job site. The location, direction and span of the trusses shall match the permit documents or a separate Substitution request shall be made to the Architect/SER prior to the issuance of the Deferred Submittal.

Truss design drawings are the written, graphic and pictorial depiction of each individual truss. Truss design drawings shall be provided with the shipment of trusses delivered to the job site. Truss design drawings shall include, at a minimum, the following:

- Truss profiles showing slope or depth, span and spacing;
- Location of joints;
- Required bearing widths;



- Design loads as applicable;
- Top chord live load, (including snow loads);
- Top chord dead load;
- Bottom chord live load;
- Bottom chord dead load;
- Concentrated loads and their points of application as applicable;
- Controlling wind and earthquake loads as applicable;
- Adjustments to lumber and metal connector plate design value for conditions if used;
- Each reaction force and direction;
- Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joist interface. Provide the ICC report for plates used;
- Lumber size, species and grade for each member;
- Connection details for all truss to truss (including any combination of truss, girder truss, hip truss and hip girders); truss ply to ply; truss to column/beam, and field assembly of a truss when the truss shown on the individual truss design drawing is supplied in separate pieces that will be field connected.
- Calculated deflection ratio and maximum vertical and horizontal deflection for live and total load as applicable;
- Maximum axial tension and compression forces in the truss members; and
- Required permanent individual truss member lateral restraint and bracing per 2006 IBC section 2303.4.1.2, unless a specific truss member permanent bracing plan and details for the roof or floor structural system are provided by a registered design professional.

Where permanent individual member lateral restraint and bracing of truss members is required on the truss design drawings, it shall be accomplished by one of the following methods:

- The trusses shall be designed so that the buckling of any individual truss member can be resisted internally by the structure (e.g. Buckling member T-bracing, I-bracing, etc.) of the individual truss. The truss individual member buckling reinforcement shall be installed as shown on the truss design drawing or on supplemental truss member buckling reinforcement diagrams provided by the truss designer.
- Permanent individual member lateral restraint and bracing shall be installed by the contractor using standard industry bracing details that conform to generally accepted engineering practice. Individual truss member continuous lateral bracing location(s) shall be shown on the truss design drawing(s).

Erection bracing and bridging sizes and spacing shall be as required by the truss manufacturer in accordance with the latest recommendations of the Truss Plate Institute (TPI). Install and lap bracing and bridging per latest TPI recommendations.

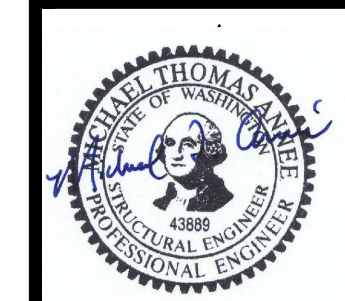
Truss members and components shall not be cut, notched, drilled, spliced or otherwise altered in any way without written consent and approval of a registered design professional. New load or changes in loads resulting in the addition of loads to any truss (e.g., HVAC equipment, water heater, piping, ducts, etc.) shall not be permitted without verification that the truss is capable of supporting such additional loading.

A special inspector approved by the building official shall verify that the truss manufacturer maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the fabricator's ability to conform to approved construction documents and referenced standards. The special inspector shall review the procedures for completeness and adequacy relative to the code requirements for the fabricator's scope of work. Each wood truss member shall carry a grading stamp.

PLEASE NOTE:
DSC - DRAG STRUT
CONNECTORS SHALL BE
INSTALLED AS TRUSSES
ARE ROLLED.

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

SCALE: IF SHEET IS LESS THAN 24" X 36", IT IS A REDUCED PRINT; REDUCE SCALE ACCORDINGLY
REVISION SET 08/22/23 PLOT DATE: 8/22/2023



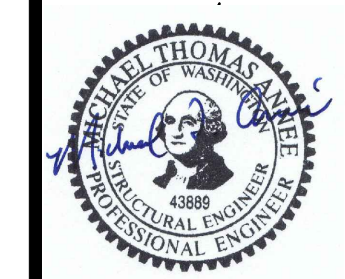
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4603 89TH AVE SE
MERCER ISLAND, WA 98040

UPPER ROOF
FRAMING PLAN

REVISIONS:	DATE	DESCRIPTION
1	2022-11-29	Connections #1
2	2023-02-15	Connections #2
3	2023-08-22	Design Revisions
DRAWN BY: KE		
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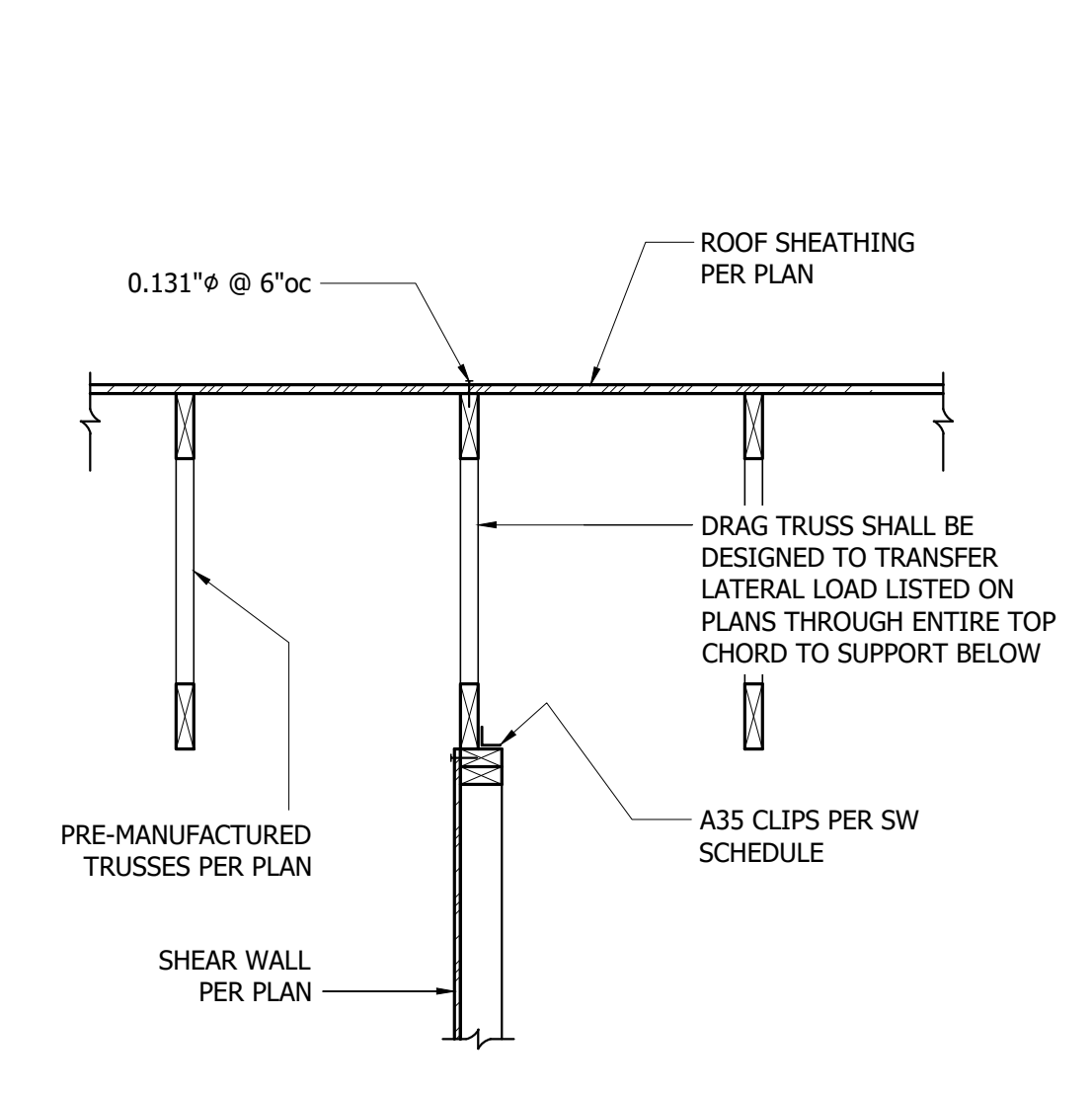
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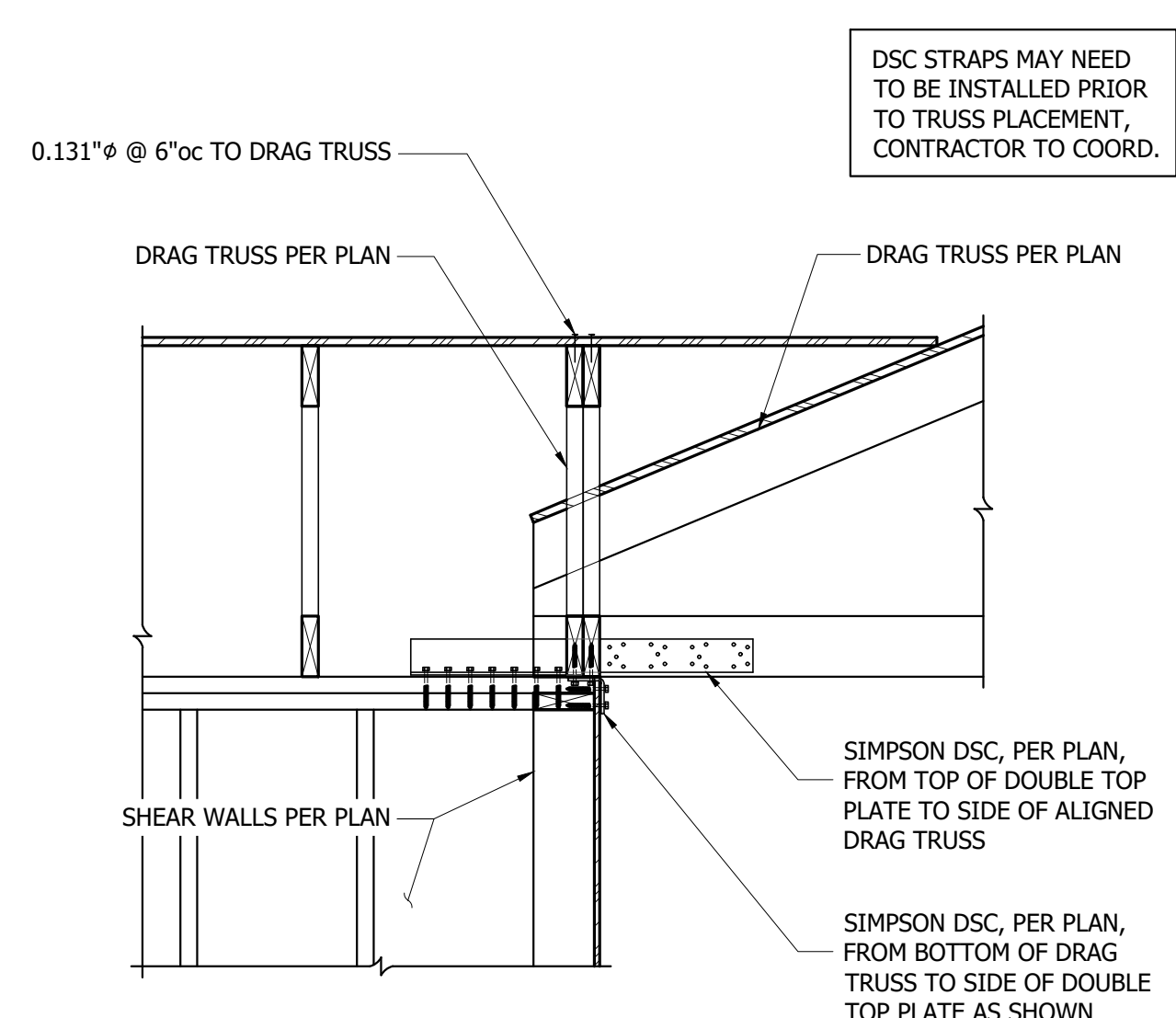
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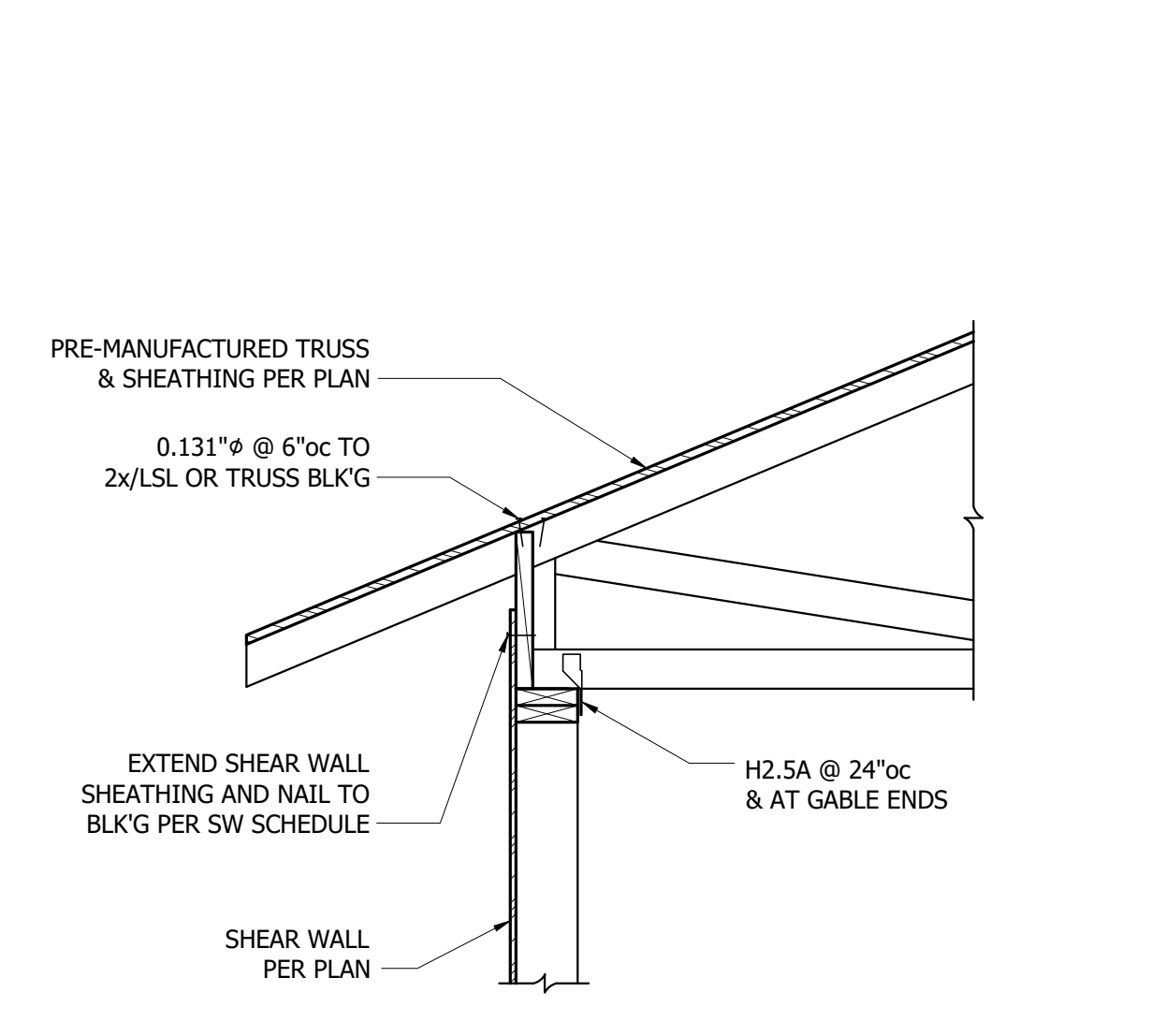
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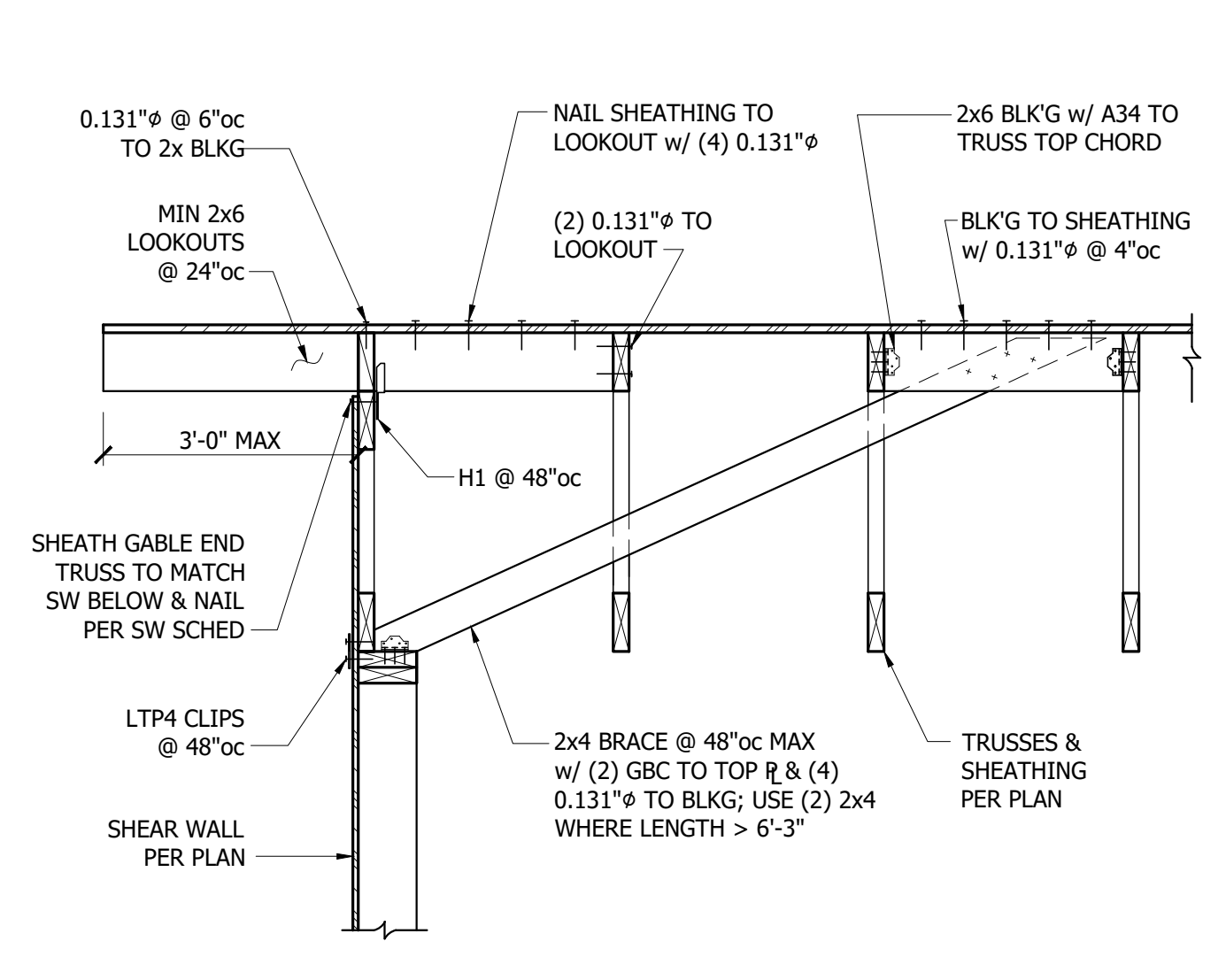
4 Drag Truss Parallel to Interior SW
 3/4" = 1'-0"



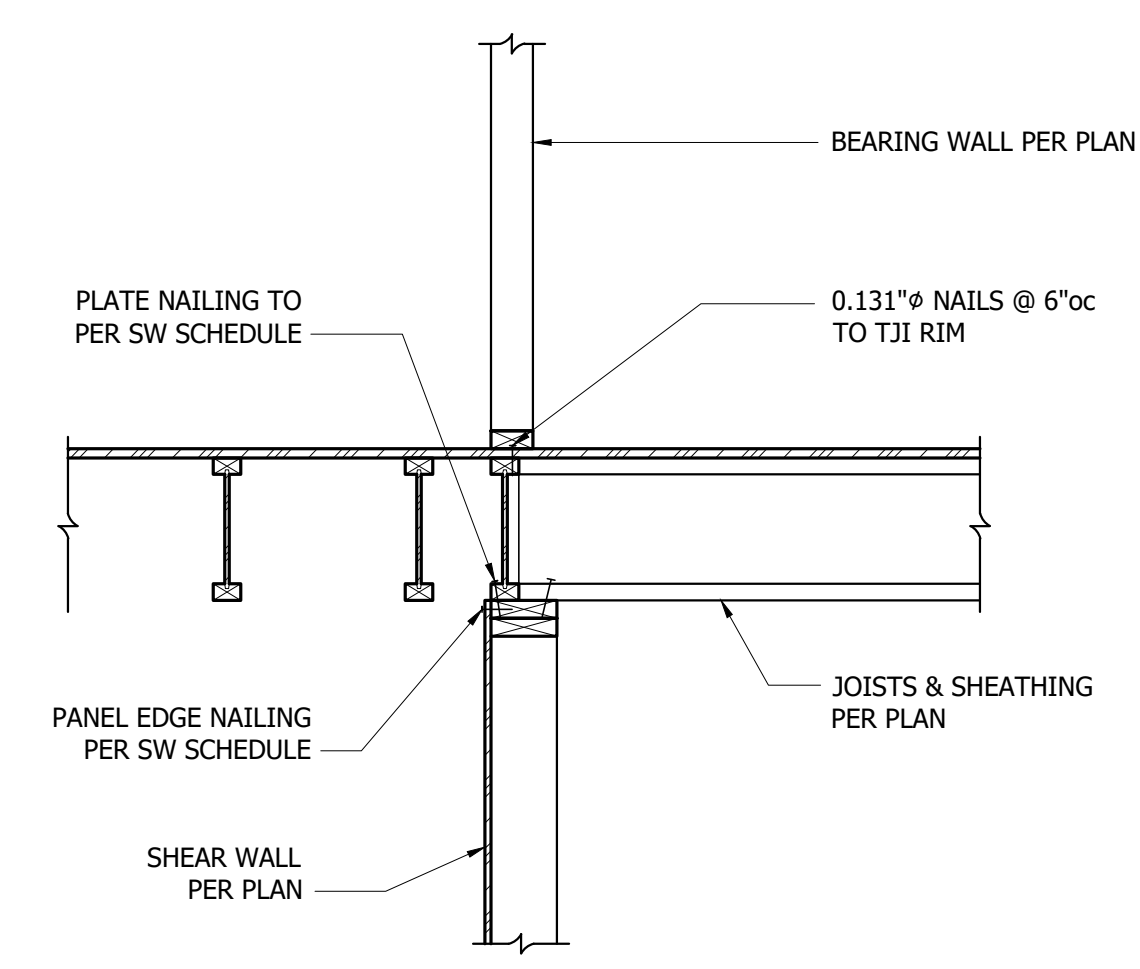
3 Perp. Drag Struts to Shear Walls
 3/4" = 1'-0"



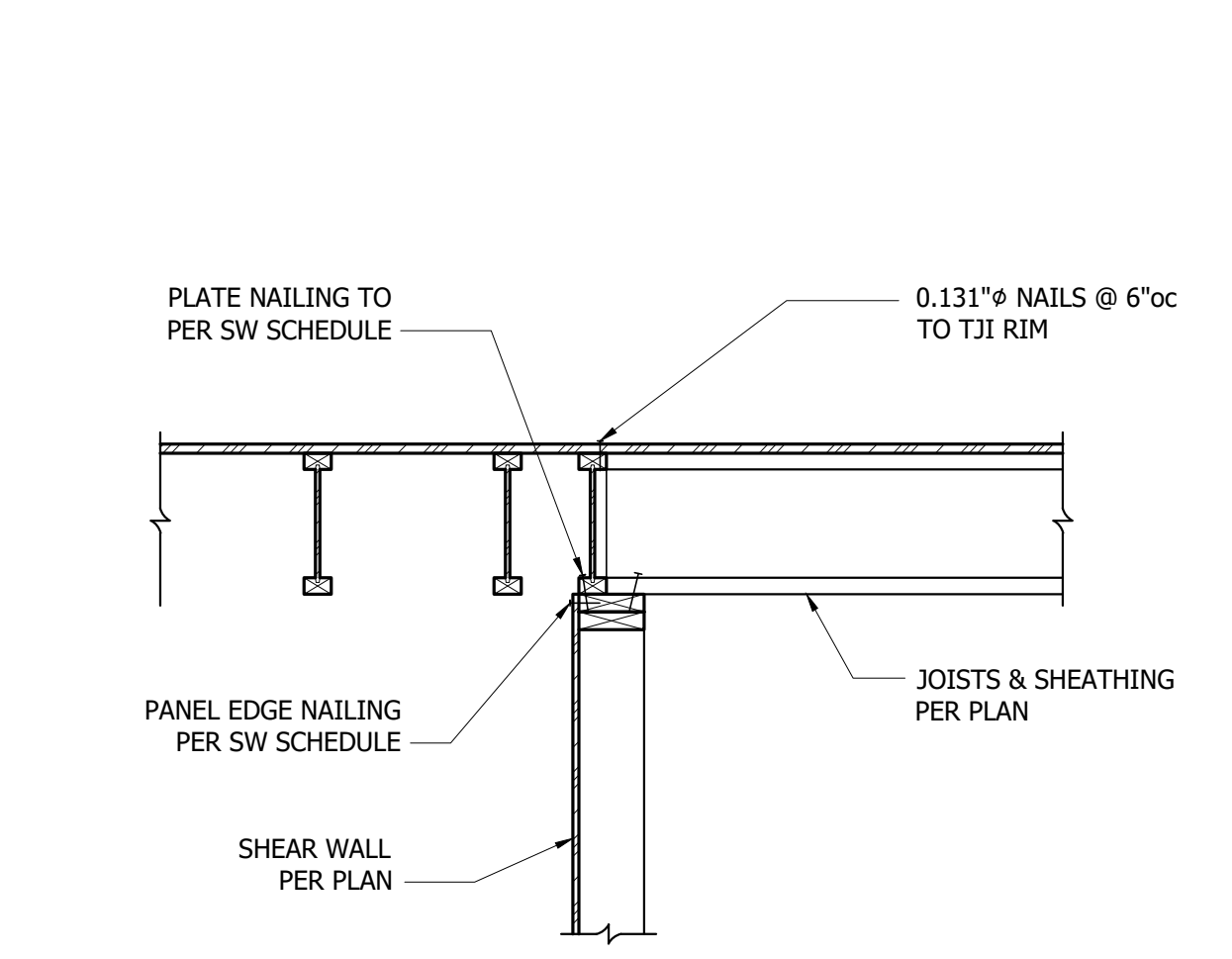
2 Trusses Perpendicular to Exterior Wall
 3/4" = 1'-0"



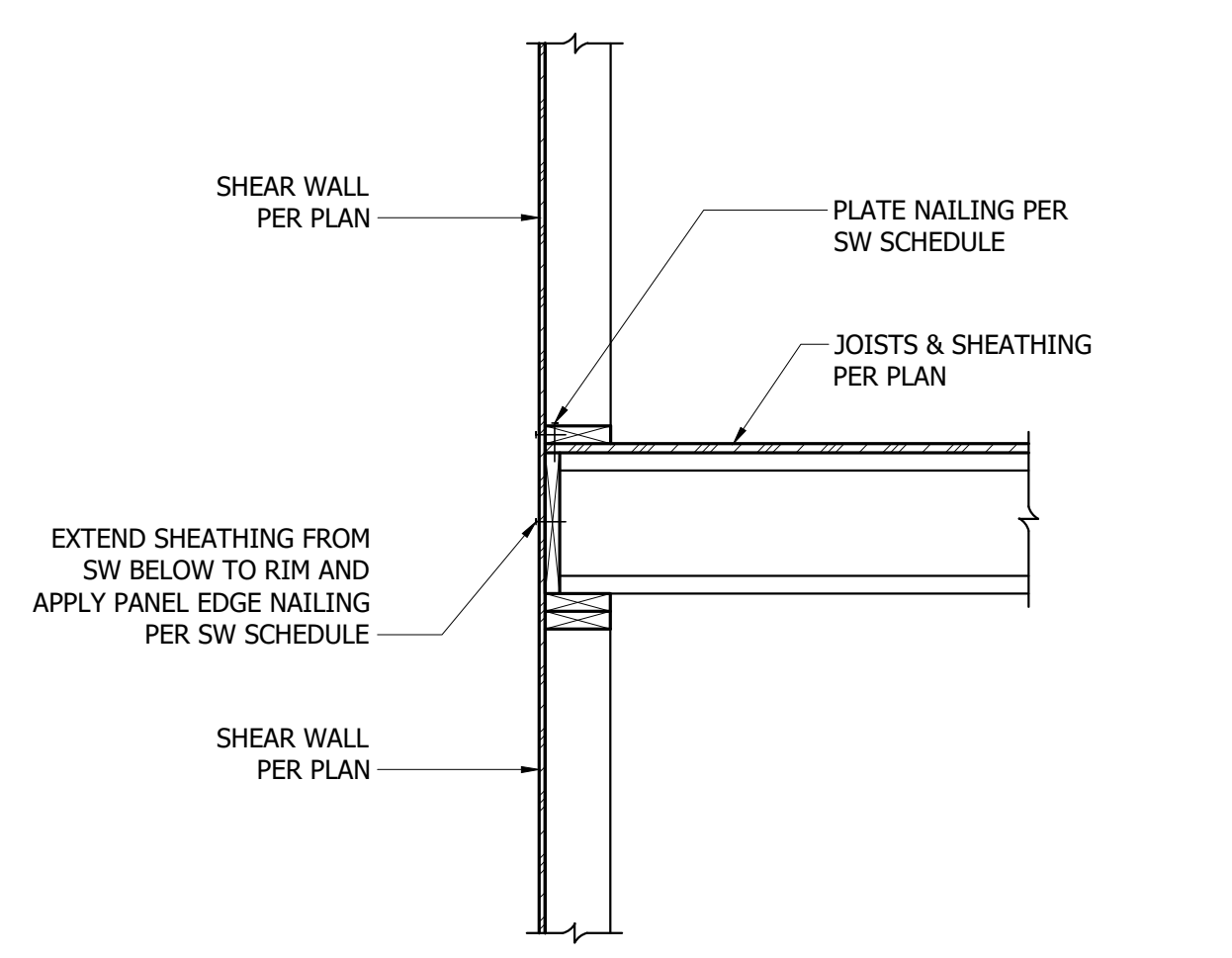
1 Trusses Parallel to Exterior Wall
 3/4" = 1'-0"



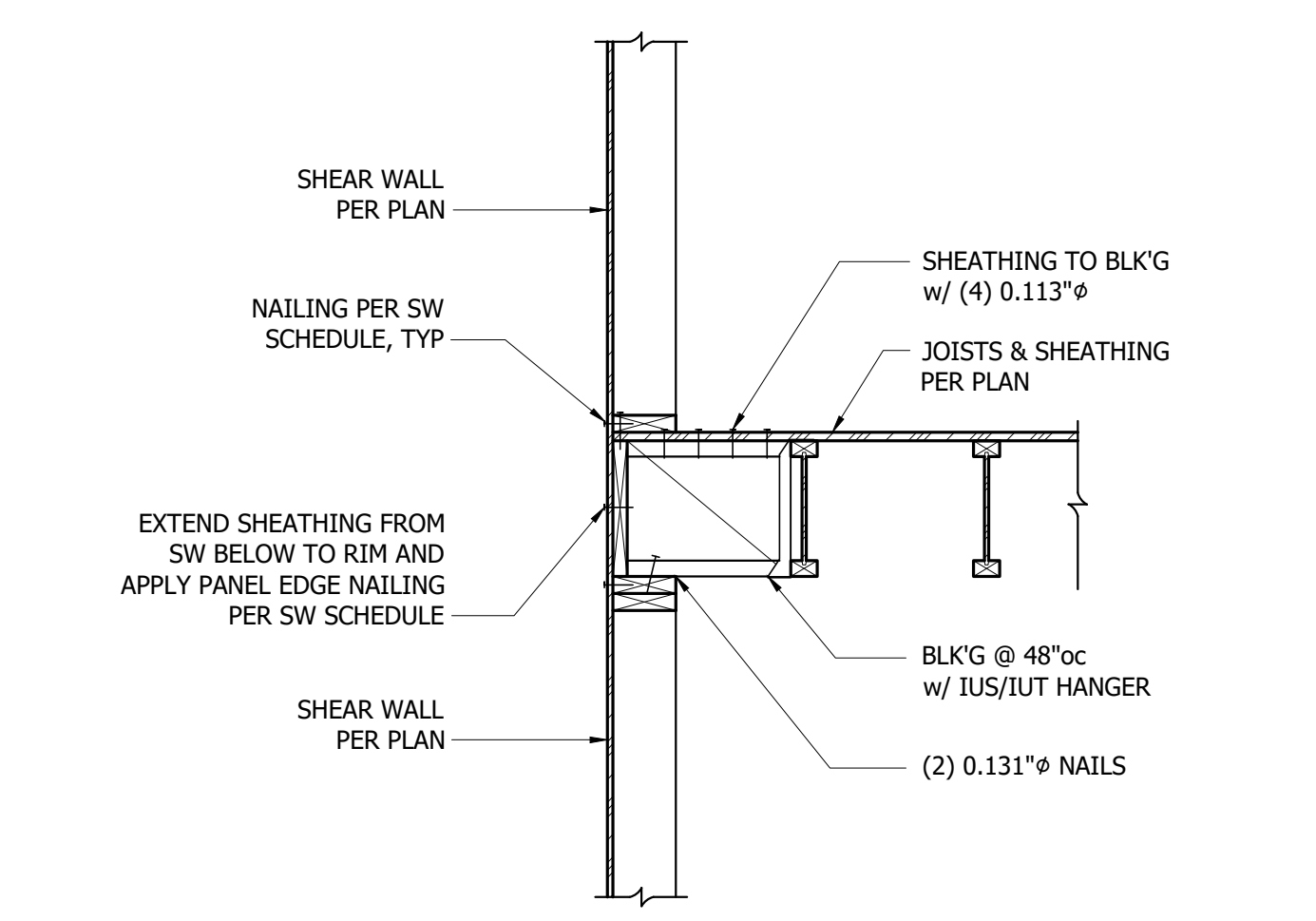
8 TJI Joists Parallel to Interior Shear Wall
 3/4" = 1'-0"



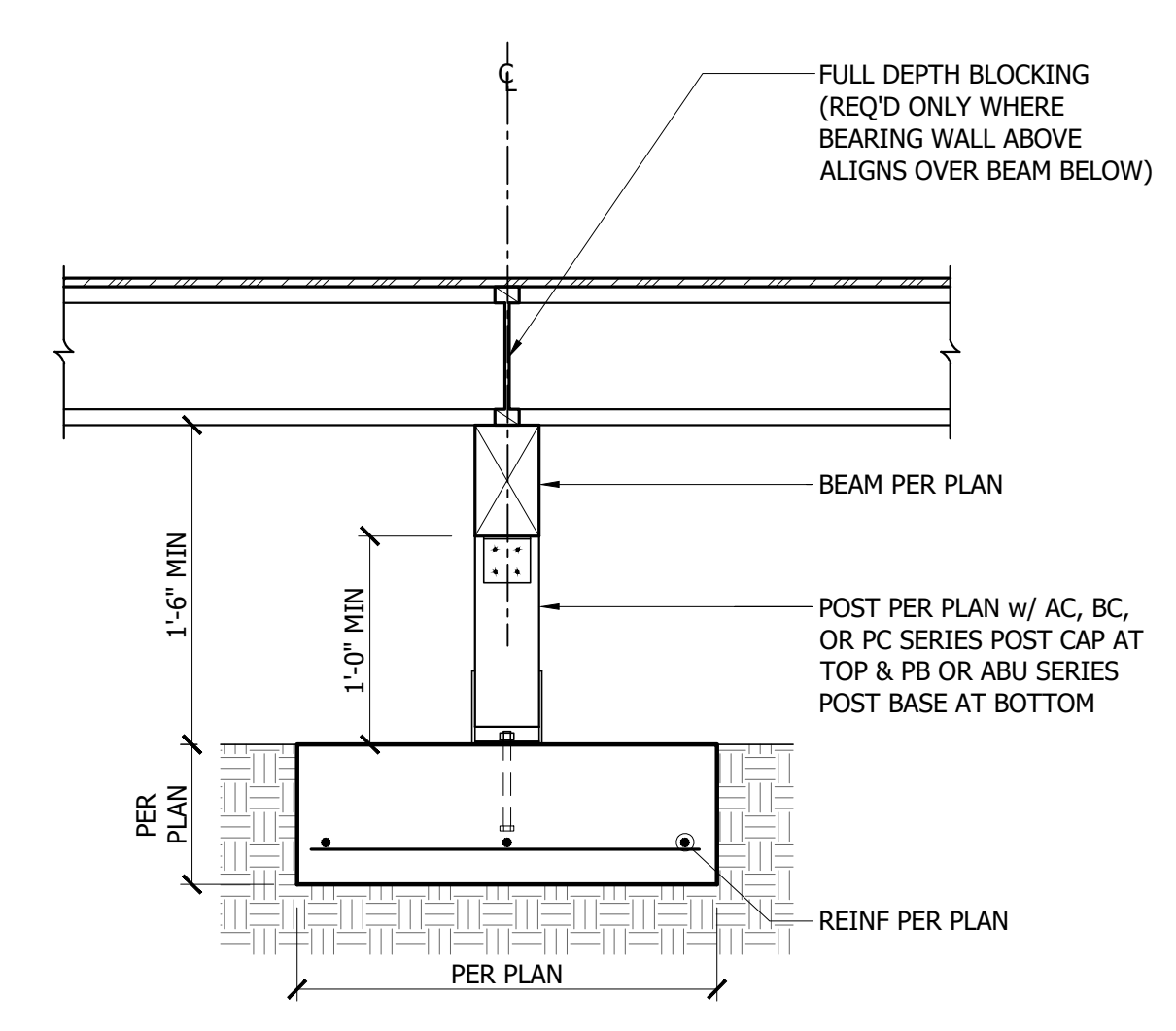
7 TJI Joists Parallel to Interior Shear Wall
 3/4" = 1'-0"



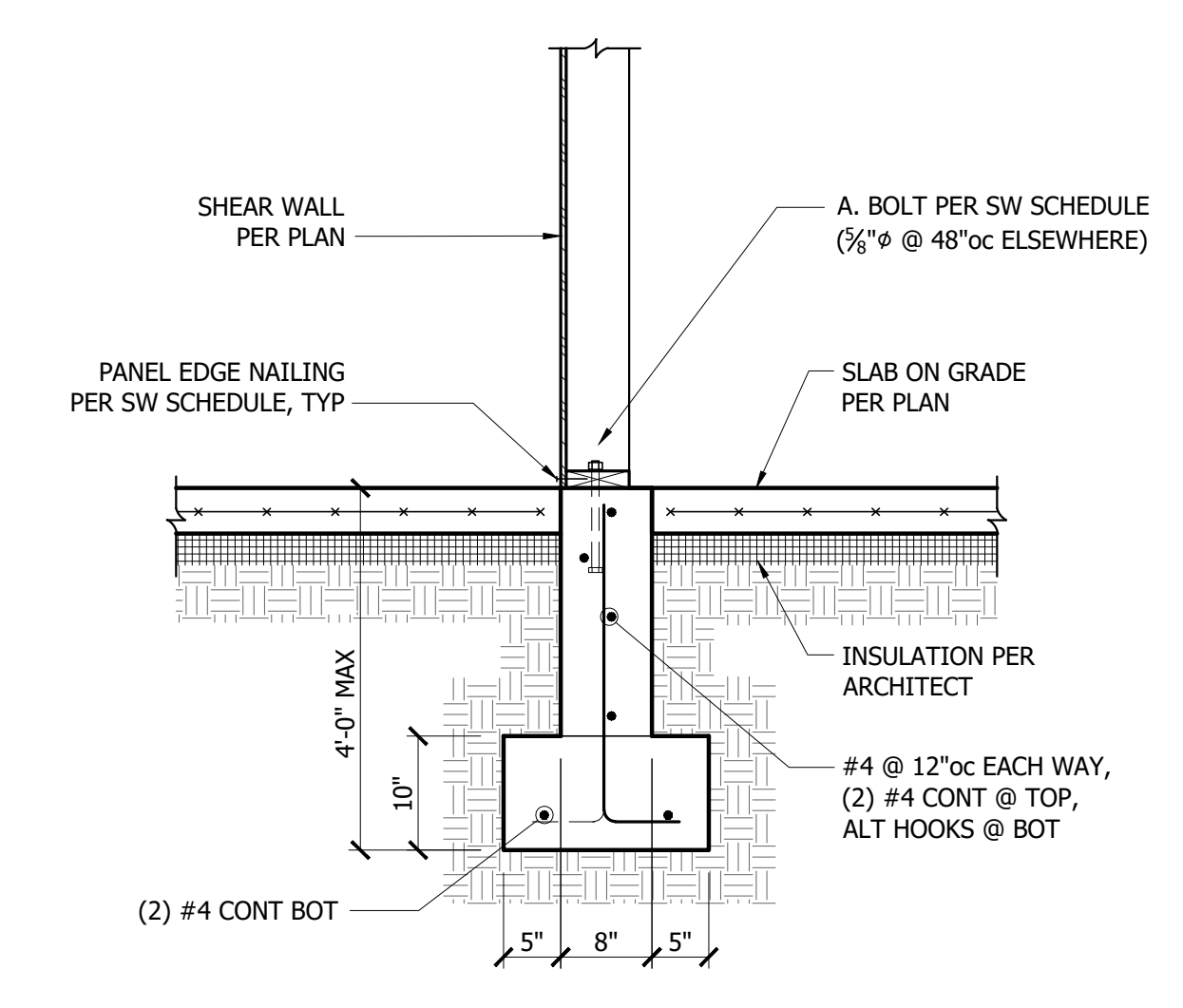
6 TJI Joists Perpendicular to Exterior Wall
 3/4" = 1'-0"



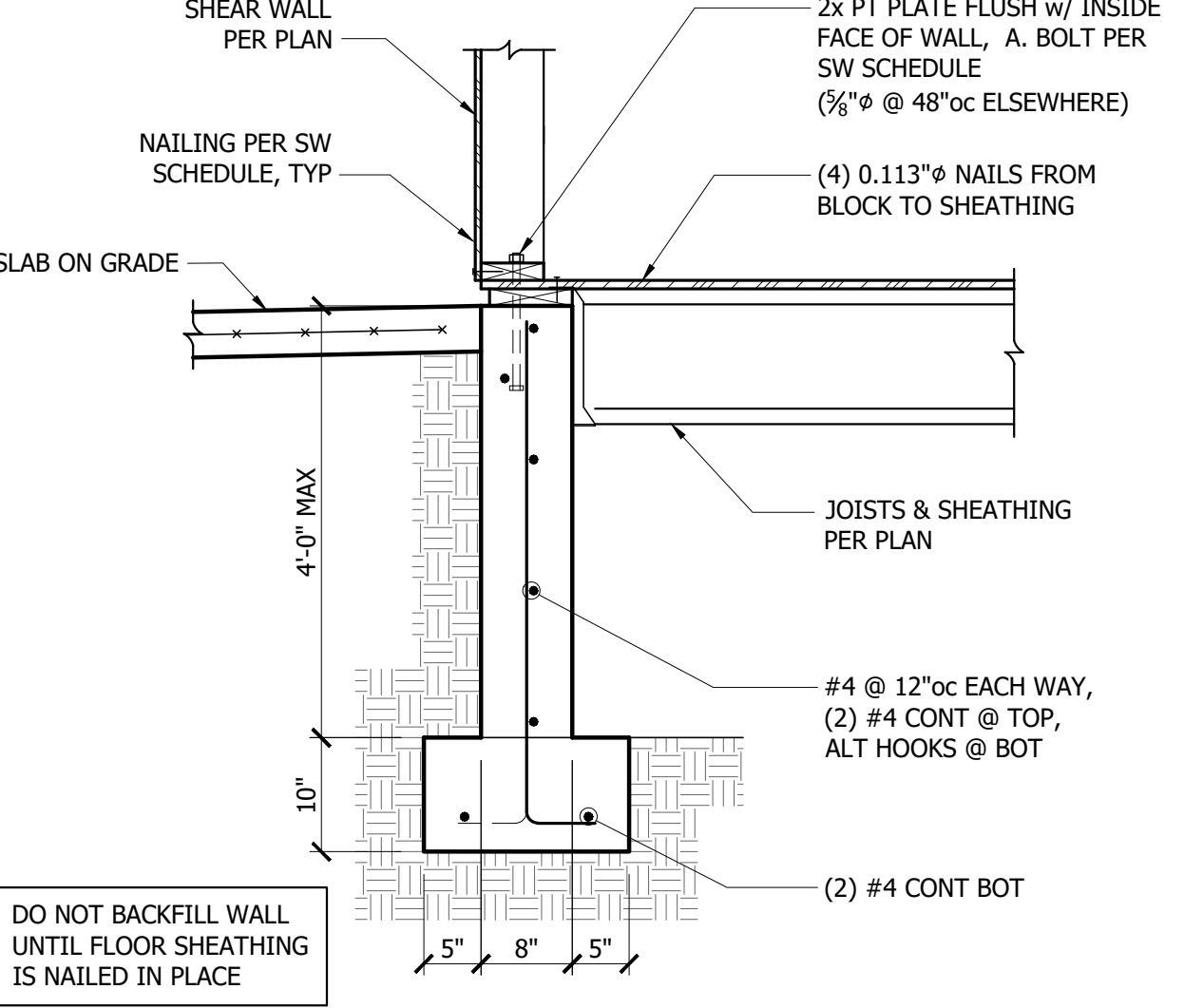
5 TJI Joists Parallel to Exterior Wall
 3/4" = 1'-0"



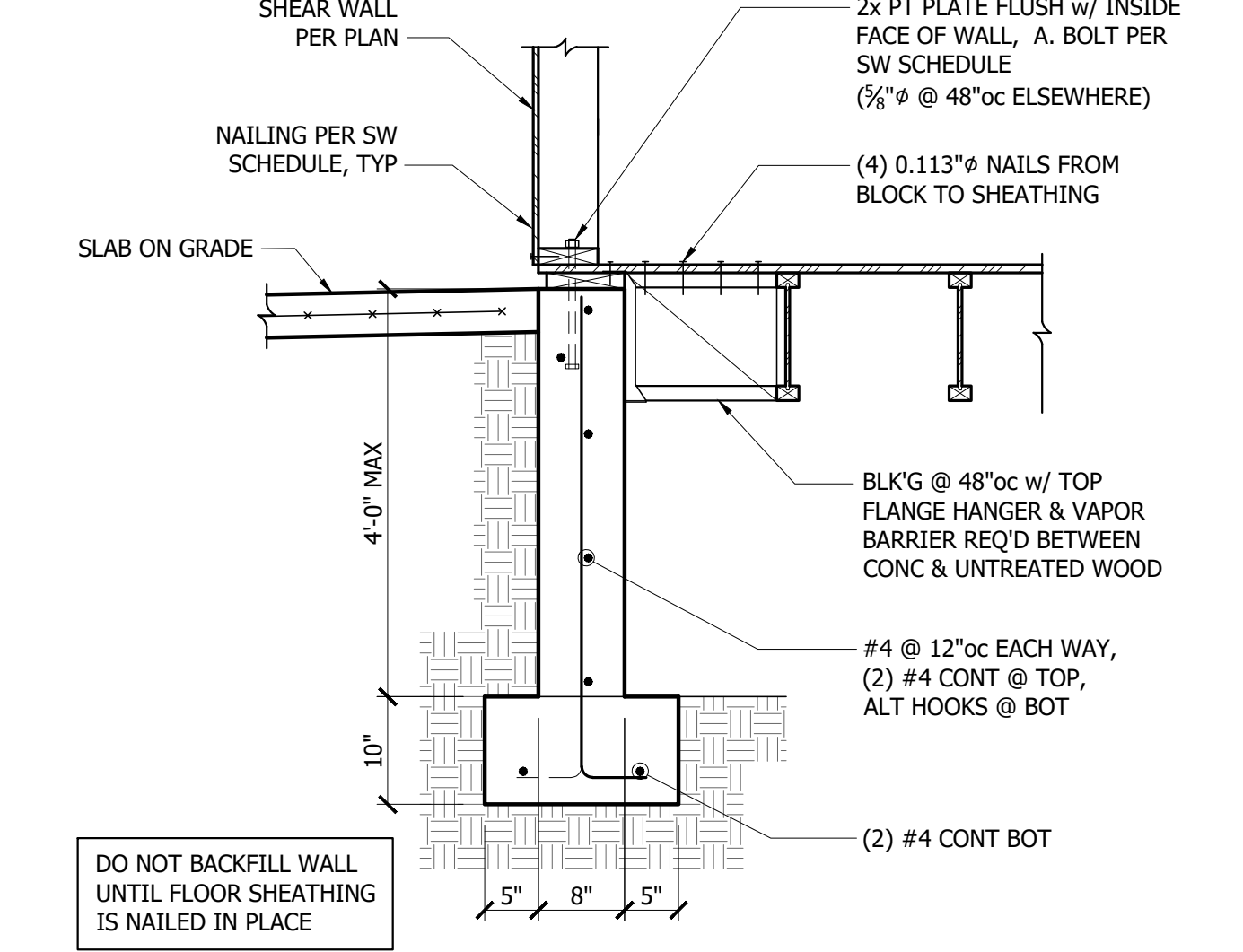
12 Crawlspace Beam, Post & Footing
 3/4" = 1'-0"



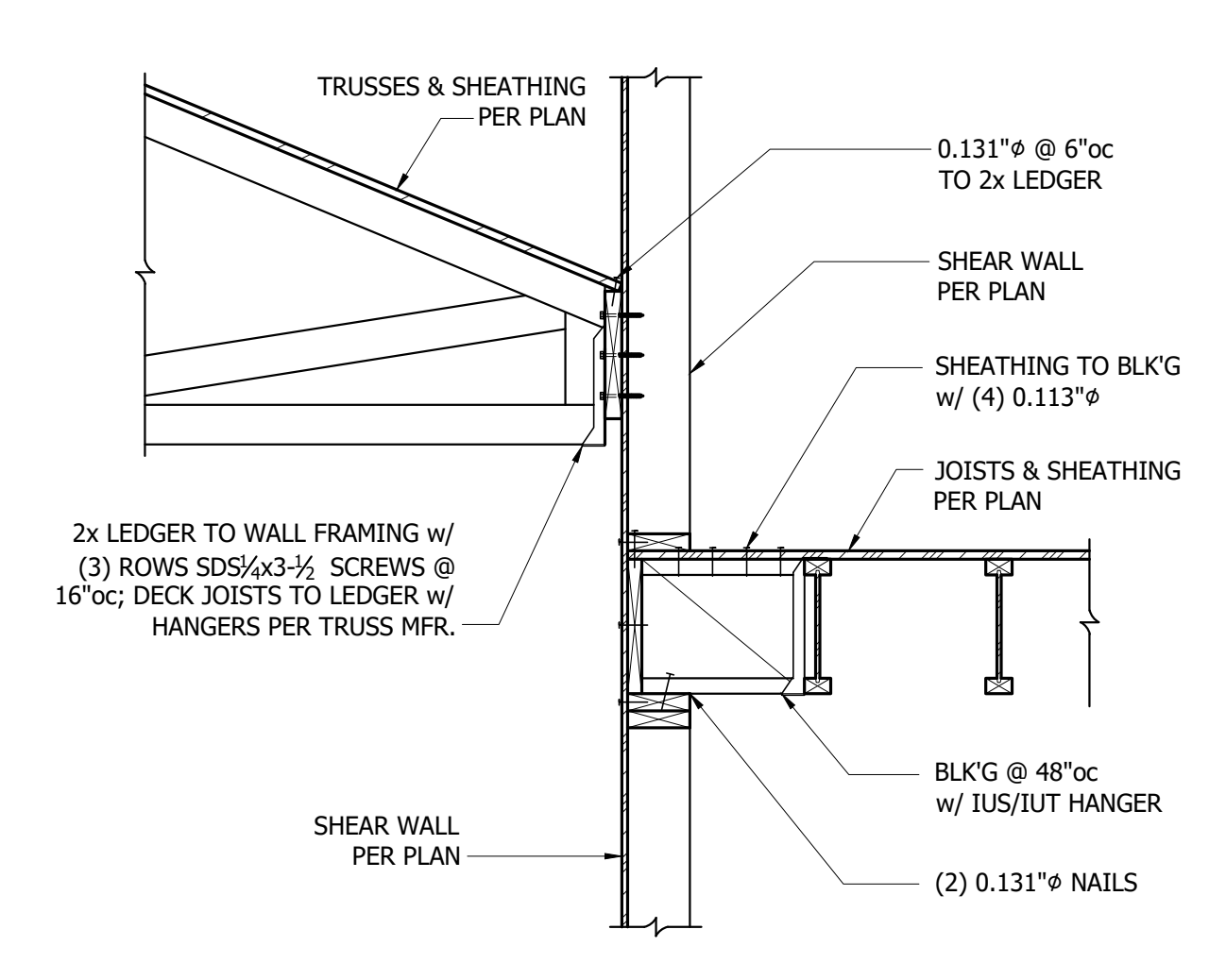
11 Stem Wall/Footing @ Interior Partition Wall
 3/4" = 1'-0"



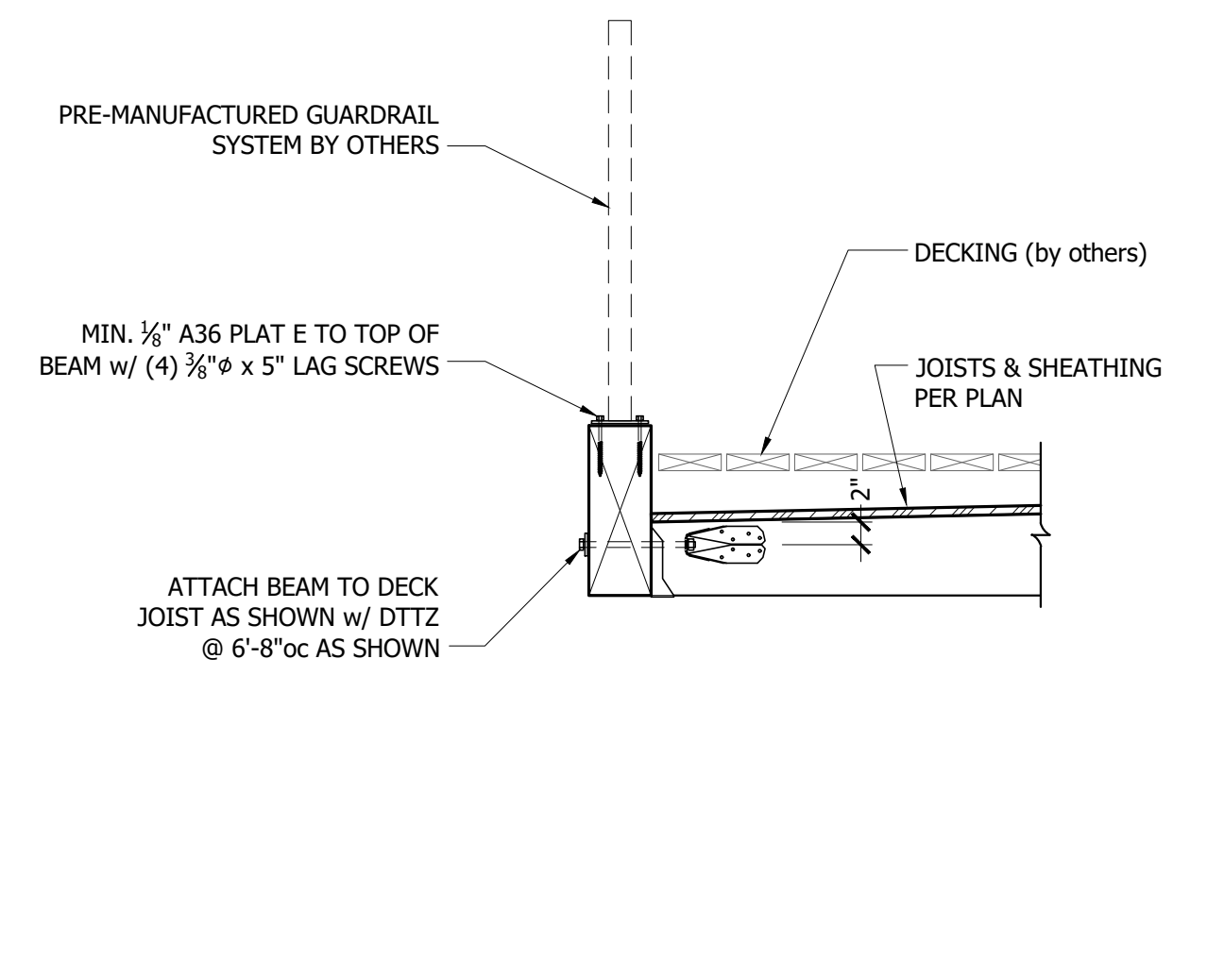
10 TJI Parallel to Crawlspace Stem Wall
 3/4" = 1'-0"



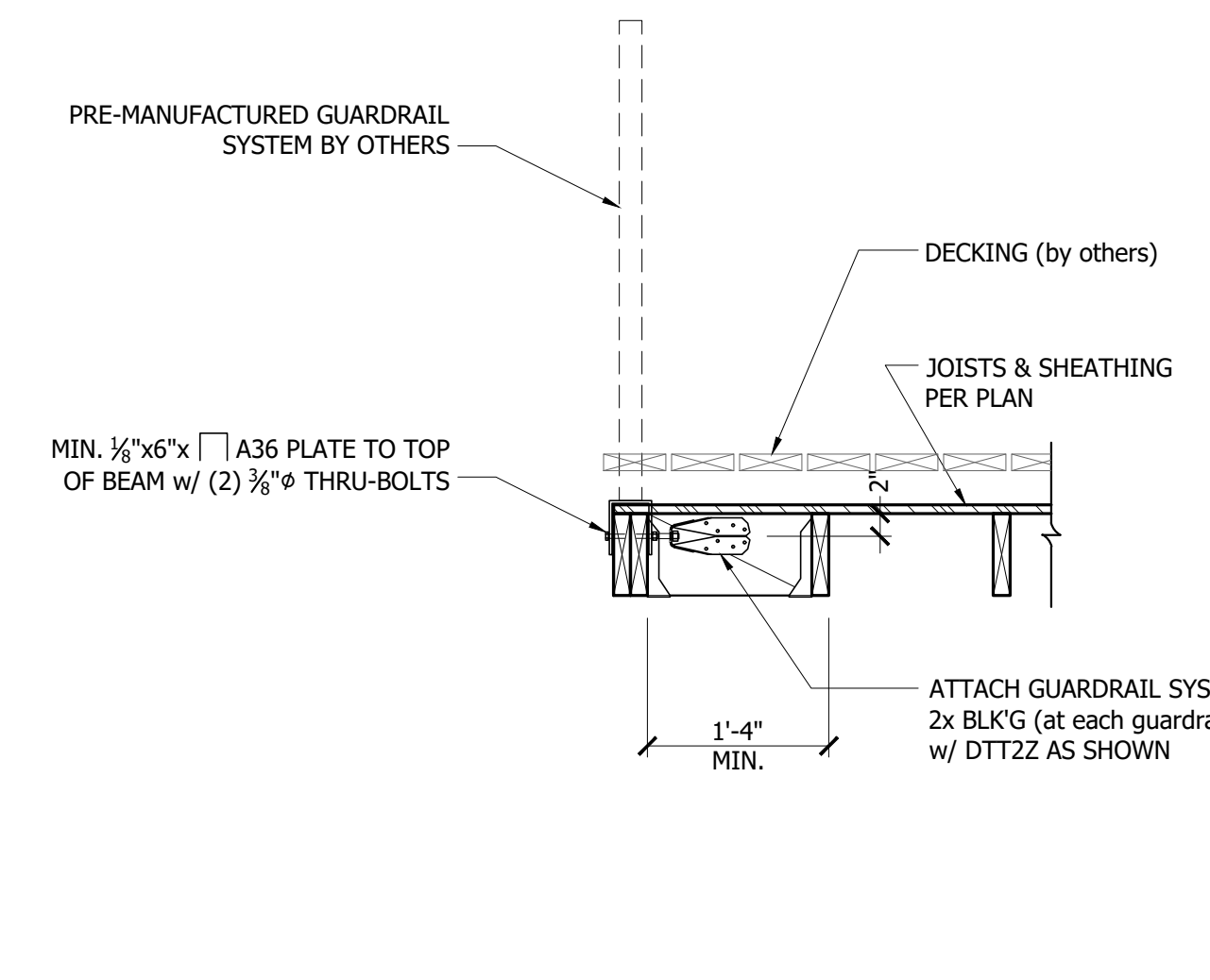
9 TJI Parallel to Crawlspace Stem Wall
 3/4" = 1'-0"



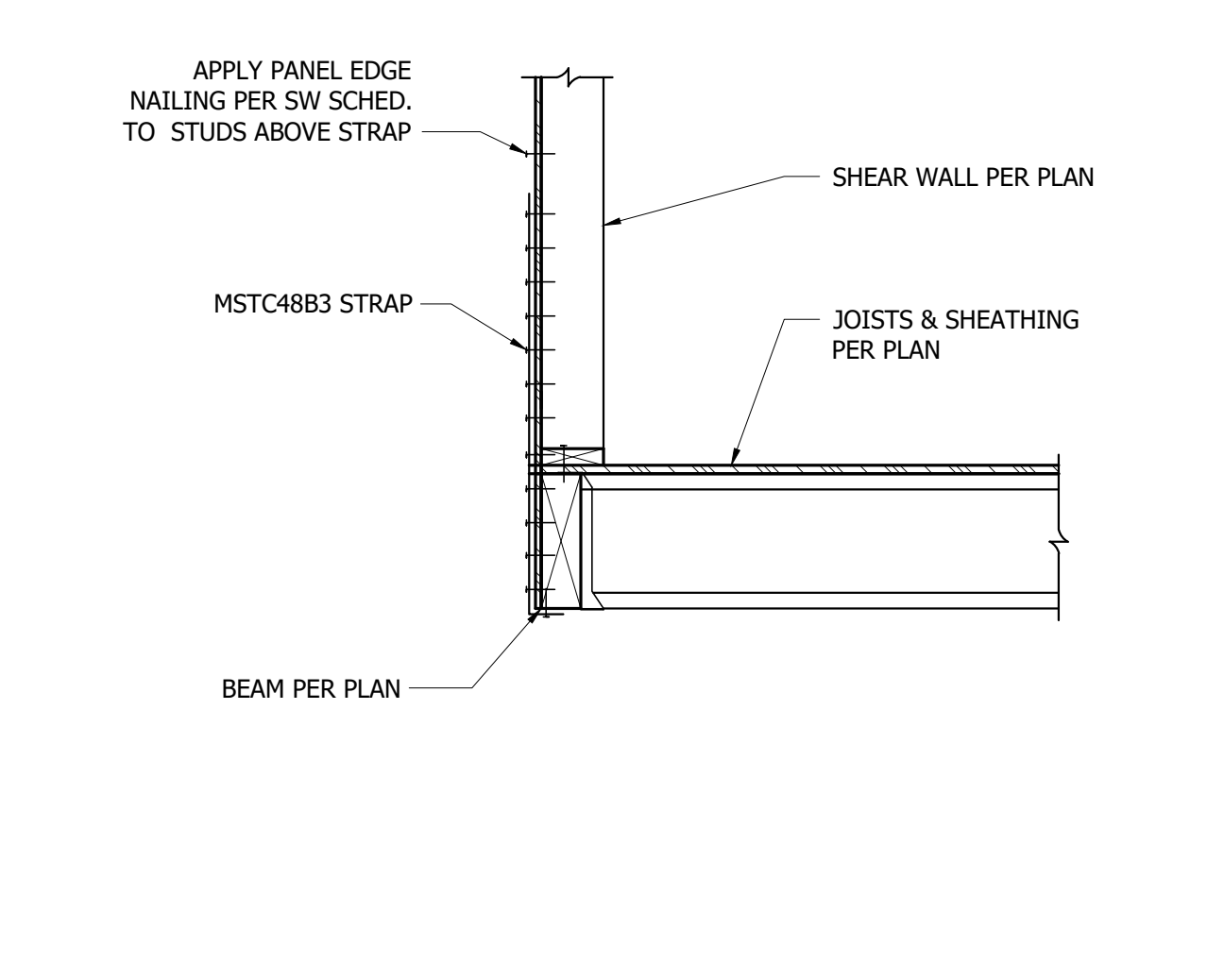
1 Low Roof Perp. to Exterior Wall
 3/4" = 1'-0"



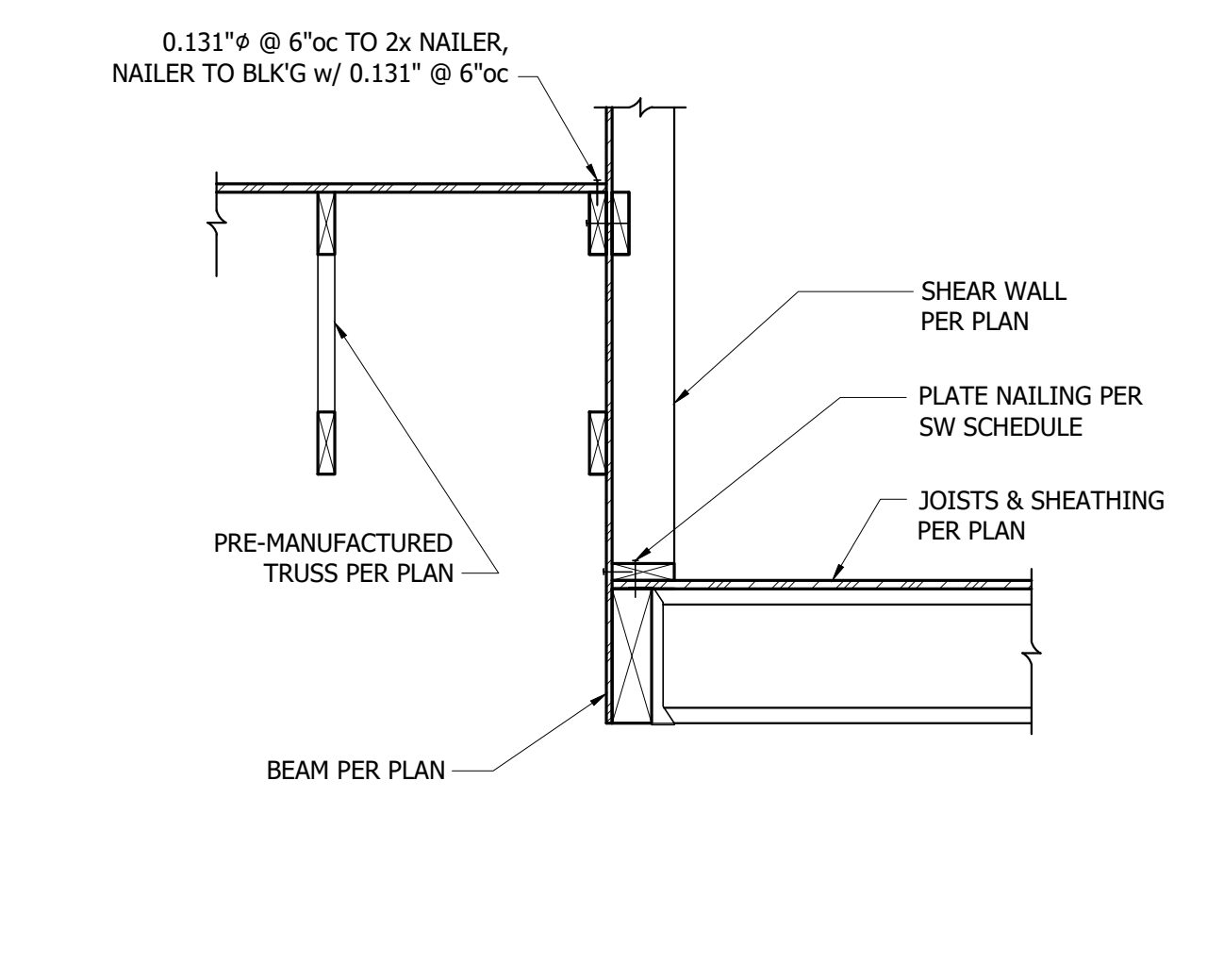
2 Guardrail Support at Deck Beam
 3/4" = 1'-0"



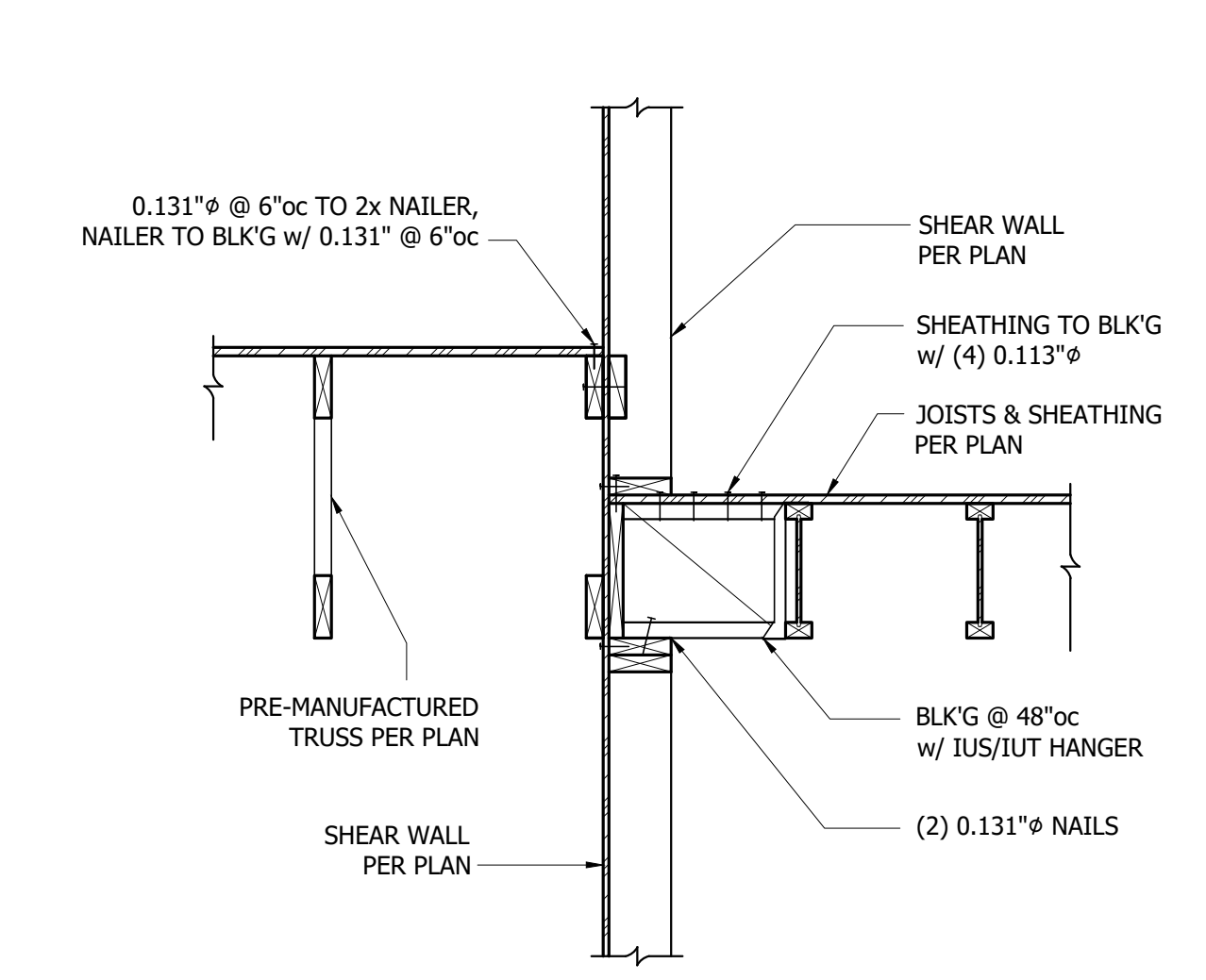
3 Guardrail Support at Parallel Deck Joists
 3/4" = 1'-0"



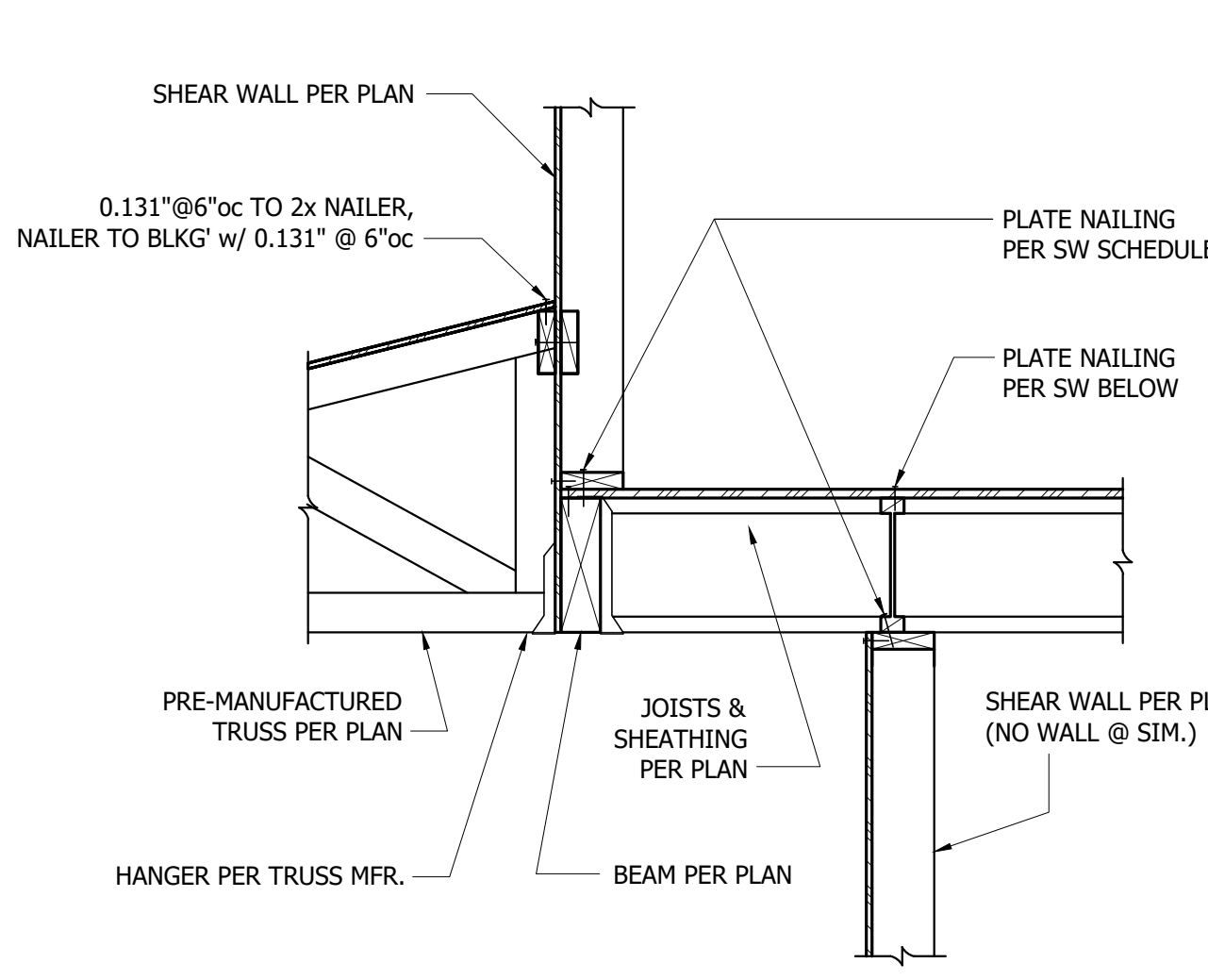
4 Strap to Beam Below
 3/4" = 1'-0"



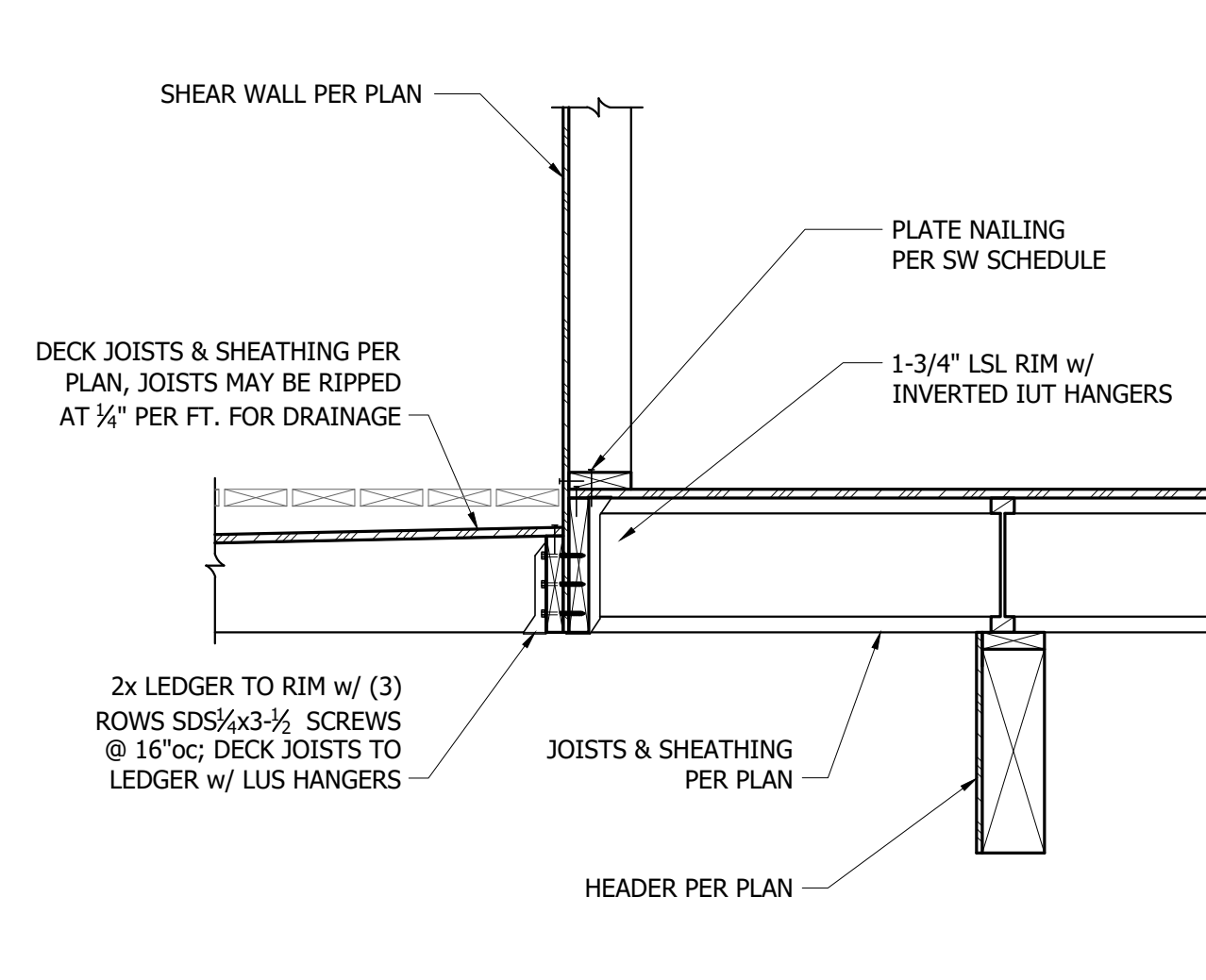
5 Low Roof Parallel to Exterior Wall
 3/4" = 1'-0"



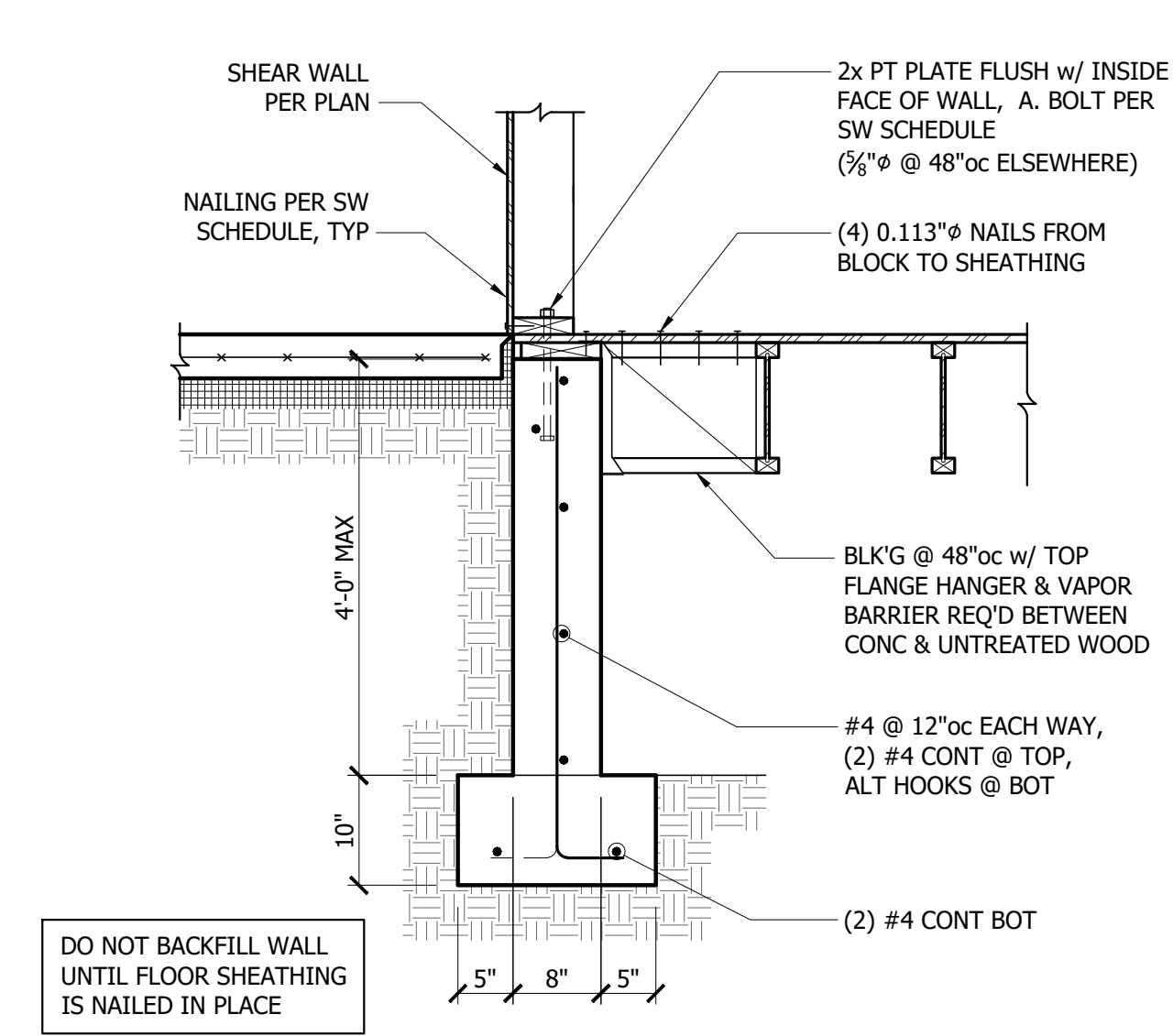
6 Low Roof Parallel to Floor Framing
 3/4" = 1'-0"



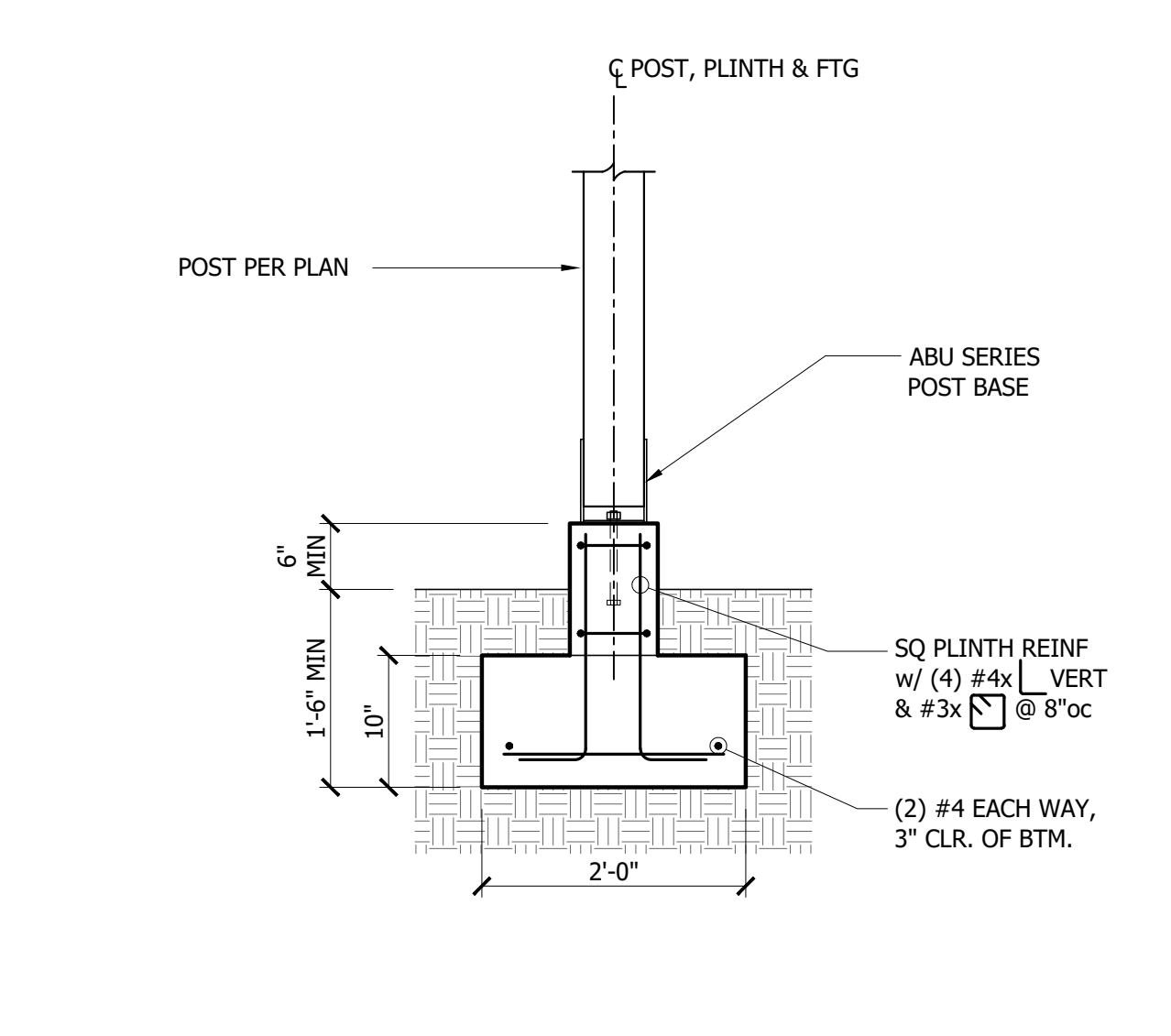
7 Trusses at Cantilevered Floor Framing
 3/4" = 1'-0"



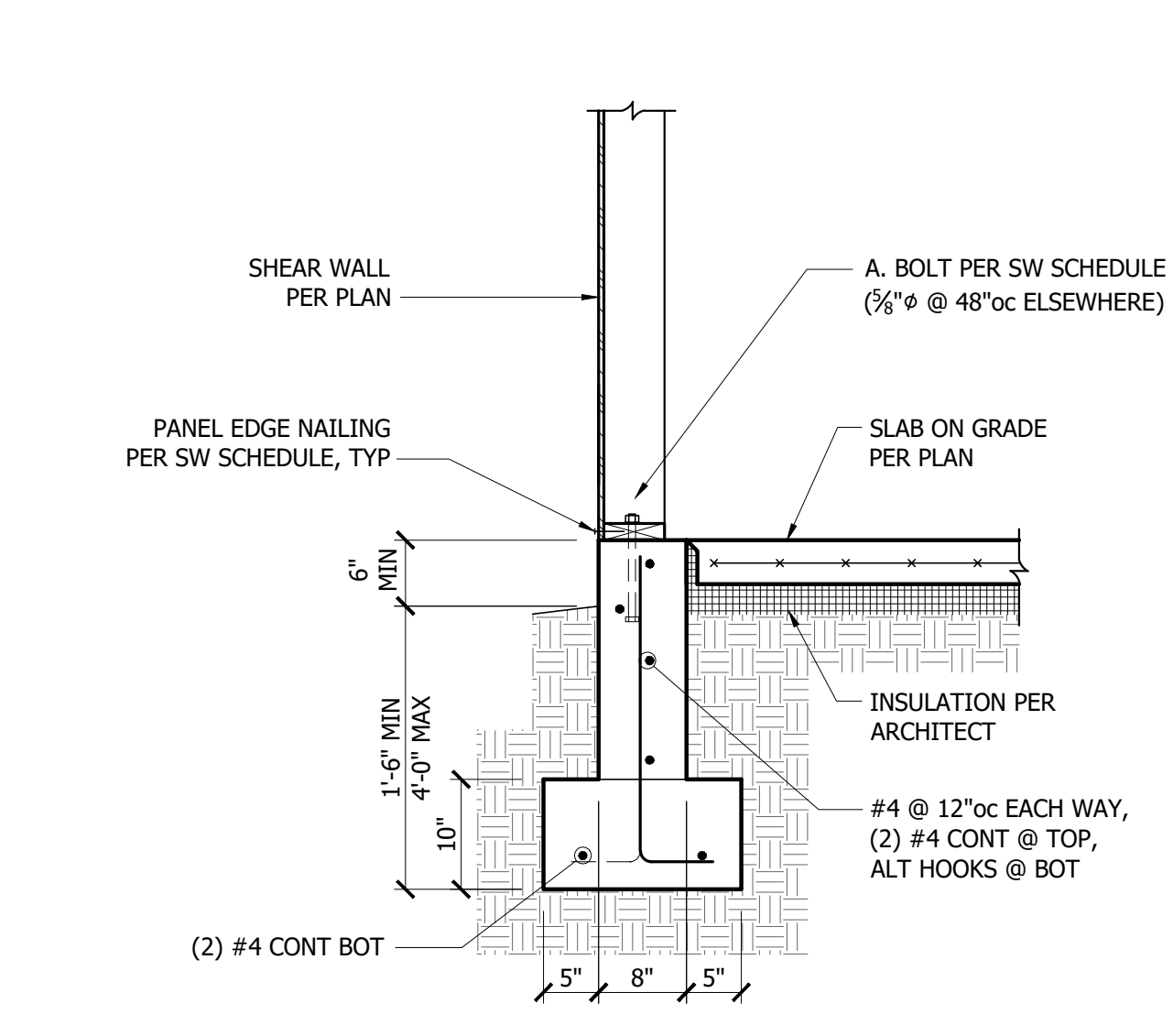
8 Deck Joists at Cantilevered Floor Framing
 3/4" = 1'-0"



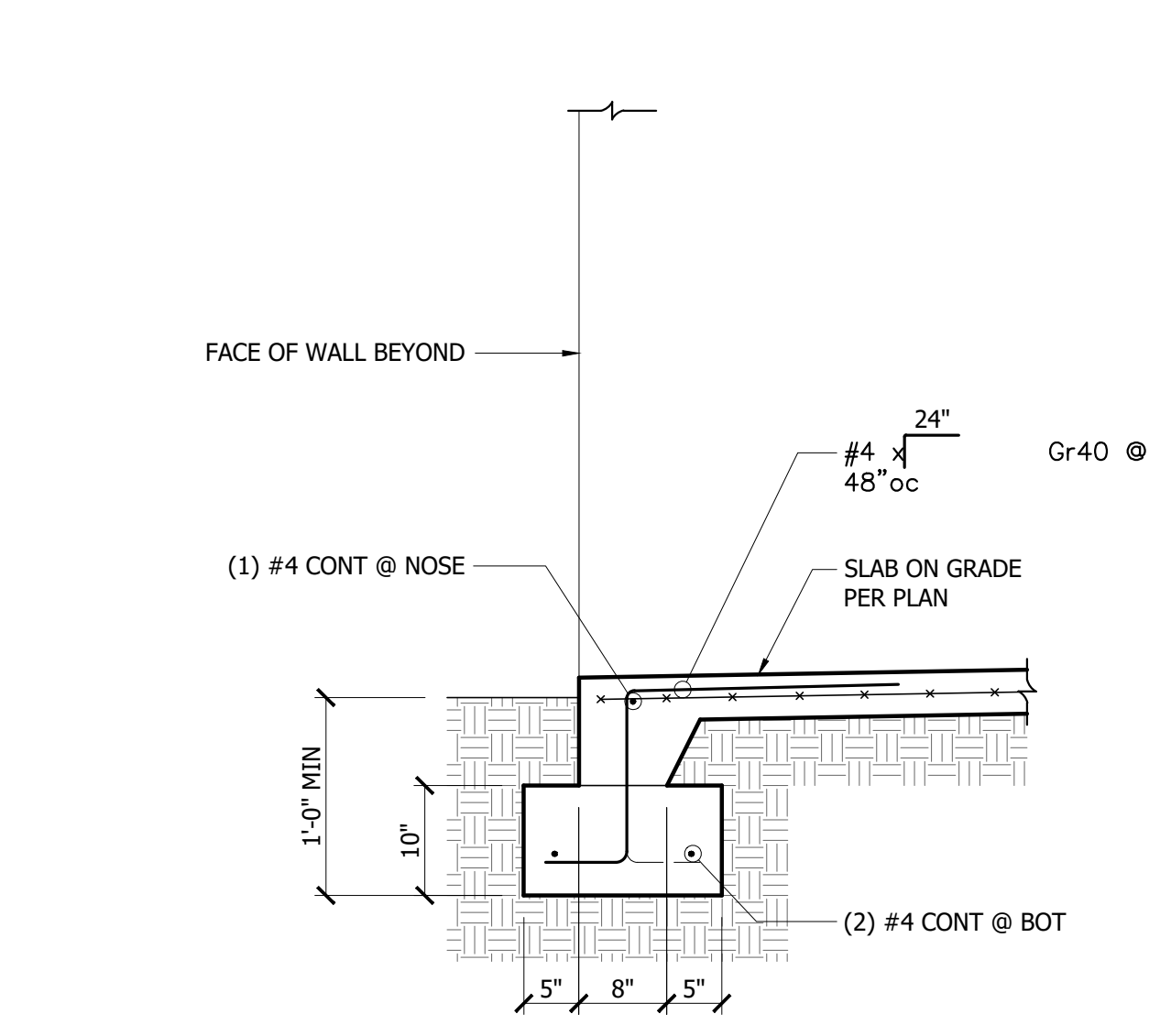
9 Transition at Crawlspace to Slab on Grade
 3/4" = 1'-0"



10 Isolated Post Footing
 3/4" = 1'-0"

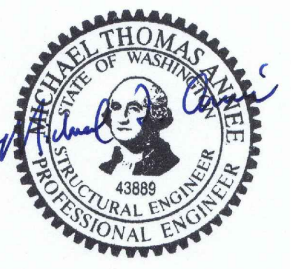


11 Stem Wall/Footing @ Exterior Wall
 3/4" = 1'-0"



12 Footing @ Garage Opening
 3/4" = 1'-0"

DO NOT BACKFILL WALL UNTIL FLOOR SHEATHING IS NAILED IN PLACE



REVISIONS:	
2022-11-29	Corrections #1
2023-02-15	Corrections #2
2023-08-22	Design Revisions

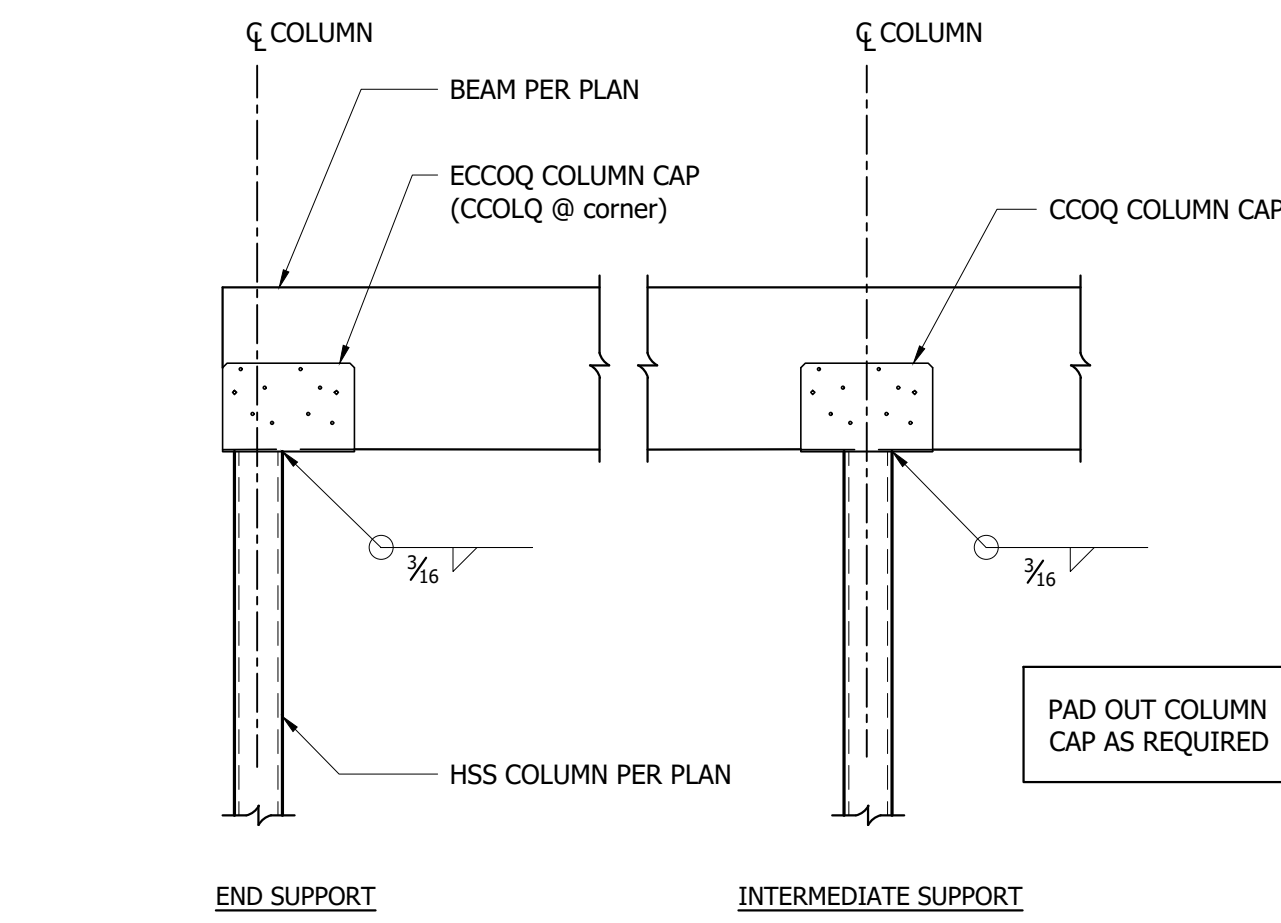
DRAWN BY: KE

CHECKED BY: BJS

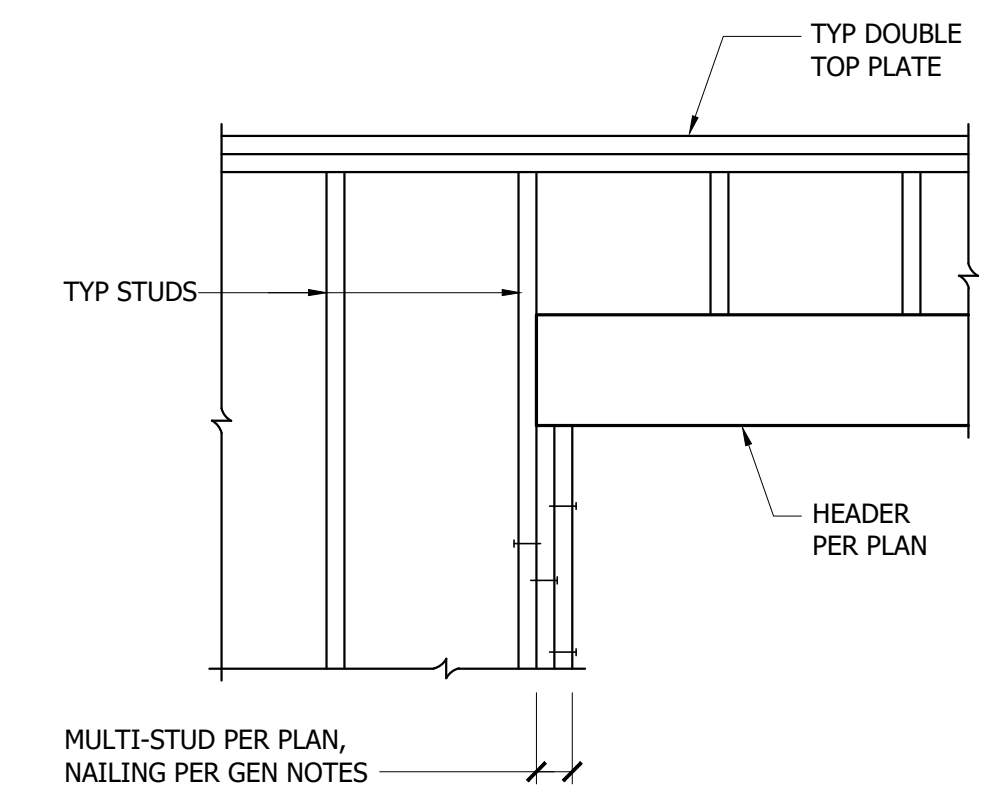
SHEET

S3.2

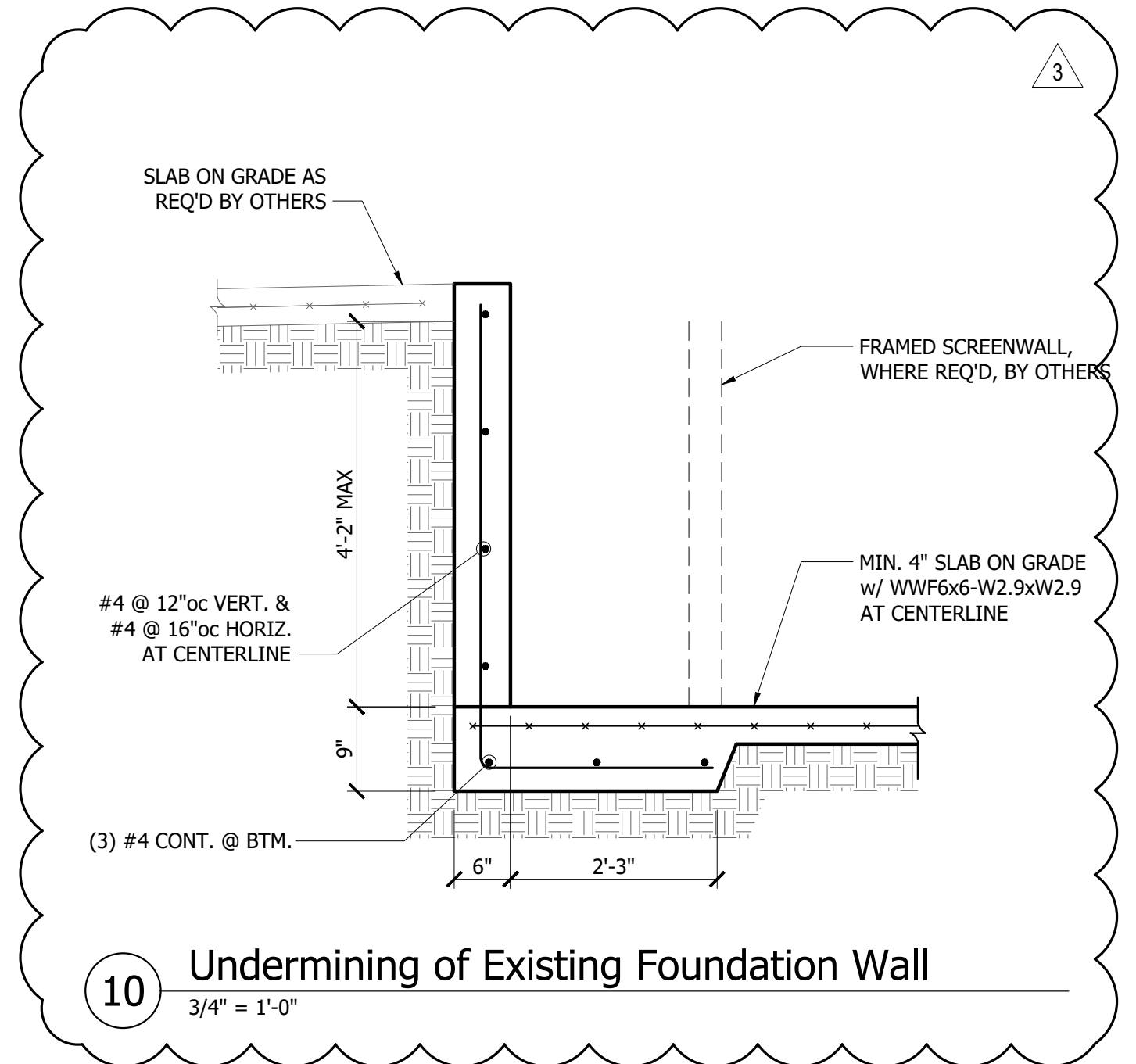
SCALE: IF SHEET IS LESS THAN 24" X 36" IT IS A REDUCED PRINT; REDUCE SCALE ACCORDINGLY
 REVISION SET 08/22/2023 PLOT DATE: 8/22/2023



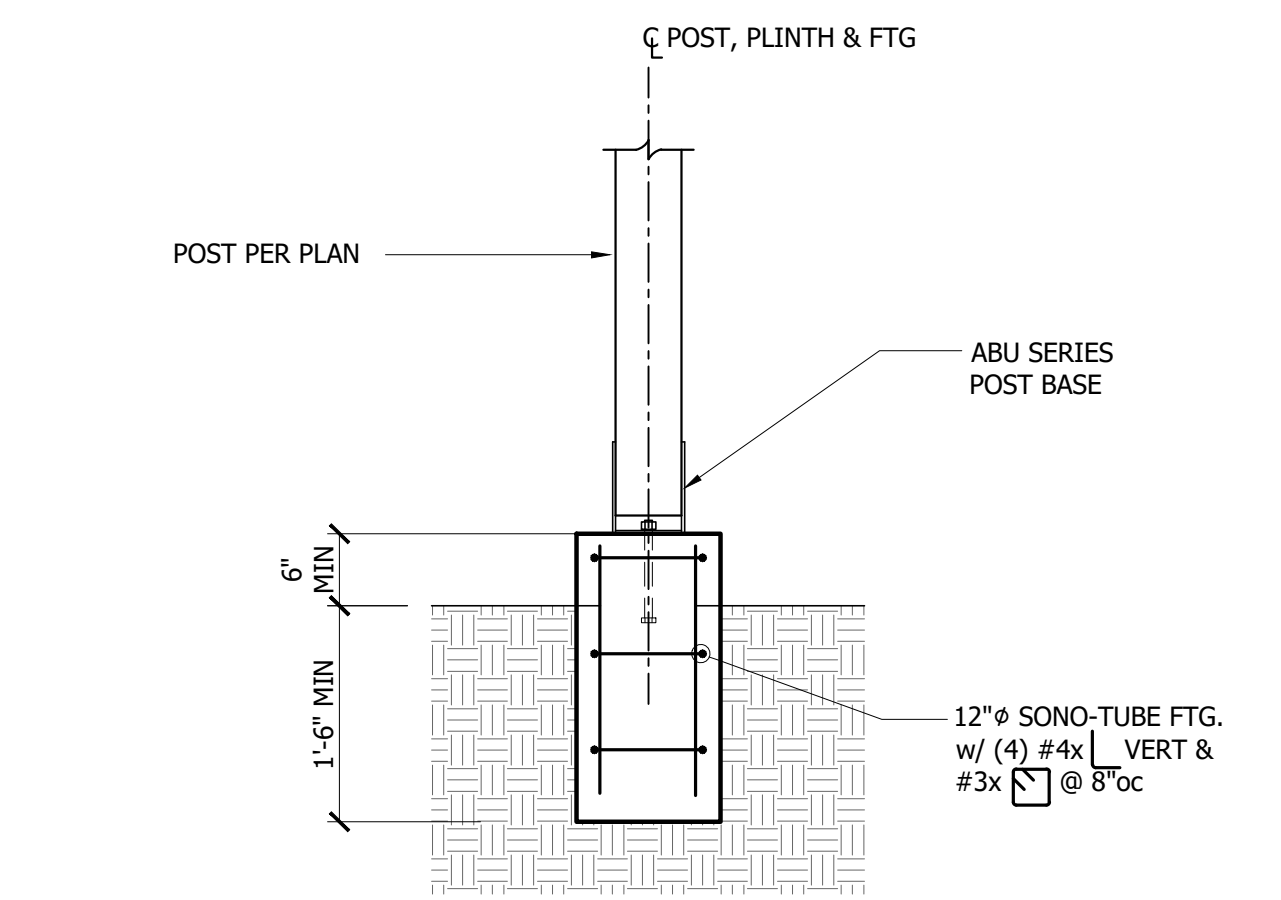
3 Wood Beam to HSS Column, Typ.
 3/4" = 1'-0"



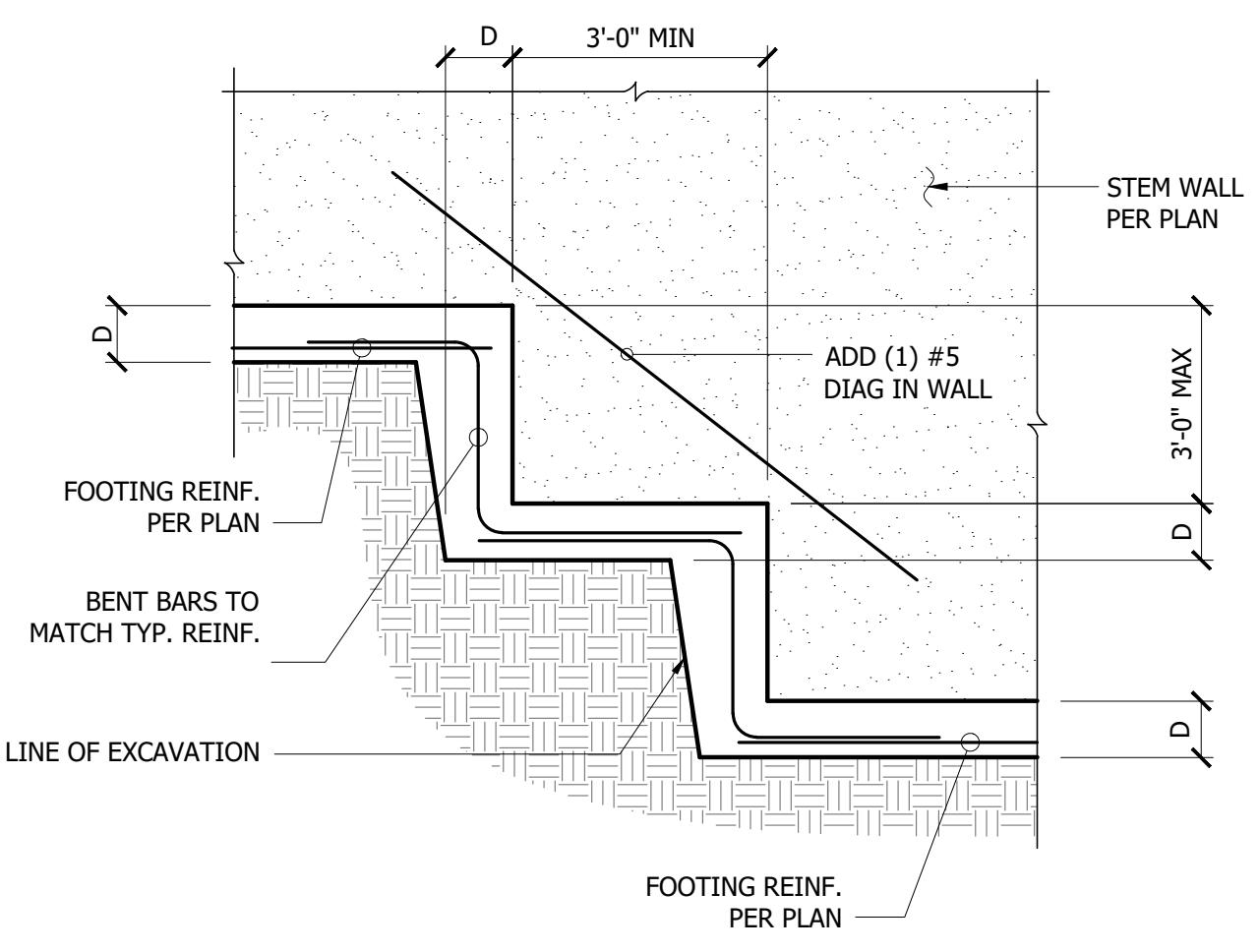
4 Header Support, Typ.
 3/4" = 1'-0"



10 Undermining of Existing Foundation Wall
 3/4" = 1'-0"



11 Sono Tube Post Footing
 3/4" = 1'-0"



12 Stepped Footing, Typ.
 3/4" = 1'-0"