

GENERAL NOTES

THESE GENERAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE DRAWINGS. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THESE GENERAL NOTES, SITE CONDITIONS, AND THE STANDARDS LISTED BELOW SHALL BE REPORTED TO THE ARCHITECT, WHO SHALL CORRECT SUCH DISCREPANCY OR OMISSION IN WRITING. ANY WORK DONE BY THE CONTRACTOR AFTER THE DISCOVERY OF A DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S OWN RISK. THE CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL BRACING AND SHORING DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES REQUIRED TO PERFORM HIS WORK.

STANDARDS:

ALL METHODS, MATERIALS AND WORKMANSHIP SHALL CONFORM WITH:
 2018 International Residential Code
 2018 International Mechanical Code
 2018 International Fuel Gas Code
 2018 International Fire Code
 2018 Uniform Plumbing Code
 Washington State Energy Code
 Washington Cities Electrical Code
 LATEST ADOPTED EDITIONS AS AMENDED AND ADOPTED BY THE APPLICABLE JURISDICTION.

CITY REVIEWS:

CA015-001 & VAR18-002

TYPE OF CONSTRUCTION:

TYPE V-N SPRINKLERED
 NFPA 13D

PREMISES IDENTIFICATION:

PROVIDE ADDRESS OR HOUSE NUMBER PER R319.1 IRC. APPROVED NUMBERS OR ADDRESSES SHALL BE PROVIDED FOR ALL NEW BUILDINGS IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.

FORMALDEHYDE REDUCTION MEASURES:

ALL STRUCTURAL PANEL COMPONENTS OF THE HOUSE SUCH AS SOFTWOOD PLYWOOD, PARTICLE BOARD, WATER BOARD, AND ORIENTED STRAND BOARD SHALL BE IDENTIFIED AS "EXPOSURE 1", "EXTERIOR" OR "MDO APPROVED".

EXTERIOR WALL FLASHING:

APPROVED CORROSION-RESISTIVE FLASHING SHALL BE APPLIED SHINGLE FASHION IN A MANNER TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER INTO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH ASTM 791. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED CORROSION-RESISTANT FLASHING SHALL BE INSTALLED AT ALL OF THE FOLLOWING LOCATIONS:
 1. EXTERIOR WINDOW AND DOOR OPENINGS. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE.
 2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS WITH PROJECTING UPS ON BOTH SIDES UNDER STUCCO COFINES.
 3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND BILLS.
 4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
 5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
 6. AT WALLS AND ROOF INTERSECTIONS
 7. AT BUILT-IN GUTTERS

FIREBLOCKING:

FIREBLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORES AND BETWEEN A TOP STORY AND THE ROOF SPACE. FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROOF STUDS OR STAGGERED STUDS, AS FOLLOWS:
 1.1 VERTICALLY AT THE CEILING AND FLOOR LEVELS.
 1.2 HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT BOFFITS, DROP CEILINGS AND COVE CEILINGS.
 3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH SECTION R302.7.
 4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES, AND WIRES AT CEILING AND FLOOR LEVELS, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNUAL SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.
 5. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES. SEE SECTION R1003.19.

RATPROOFING:

STRAINER PLATES ON DRAIN INLETS SHALL BE DESIGNED AND INSTALLED SO THAT NO OPENING IS GREATER THAN 1/4 INCH IN THE LEAST DIMENSION. METER BOXES SHALL BE CONSTRUCTED IN SUCH A MANNER THAT RATS CANNOT ENTER A BUILDING BY FOLLOWING THE SERVICE PIPES FROM THE BOX INTO THE BUILDING. IN OR ON BUILDINGS WHERE OPENINGS HAVE BEEN MADE IN WALLS, FLOORS, OR CEILINGS FOR THE PASSAGE OF PIPES, SUCH OPENINGS SHALL BE CLOSED AND PROTECTED BY THE INSTALLATION OF APPROVED METAL COLLARS SECURELY FASTENED TO THE ADJOINING STRUCTURE. TUB WASTE OPENINGS IN FRAMED CONSTRUCTION TO CRAWL SPACES AT OR BELOW THE FIRST FLOOR SHALL BE PROTECTED BY THE INSTALLATION OF APPROVED METAL COLLARS OR METAL SCREEN SECURELY FASTENED TO THE ADJOINING STRUCTURE WITH NO OPENING GREATER THAN 1/4 INCH IN THE LEAST DIMENSION.

GARAGE SEPARATION:

GARAGES, SHOPS, AND SIMILAR AREAS SHALL BE SEPARATED FROM THE DWELLING BY (1/2" GUB) ON THE GARAGE SIDE WALLS AND SUPPORTING POSTS AND BEAMS. THE MATERIALS SHALL EXTEND FROM THE FOUNDATION TO THE ROOF SHEATHING. WHERE A LIVING AREA IS ABOVE THE GARAGE, THE CEILING SHALL BE PROTECTED WITH ONE LAYER OF 5/8" TYPE "X" GYPSUM WALLBOARD, PER SECTION R302.6.

TUBS AND SHOWERS:

TUB AND SHOWER WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE TO A HEIGHT OF NOT LESS THAN 6' ABOVE THE FLOOR. MATERIAL OTHER THAN STRUCTURAL ELEMENTS USED IN SUCH WALLS SHALL BE OF A TYPE NOT ADVERSELY AFFECTED BY MOISTURE. ALL GLAZING INCLUDING WINDOWS MUST BE 60 INCHES OF THE DRAIN INLET SHALL BE SAFETY GLASS. DOORS SHALL BUNG OUT. FIREBLOCK BETWEEN STUDS.

FIREPLACES:

GAS ZERO-CLEARANCE FIREPLACES SHALL BE UL APPROVED. THEY SHALL BE INSTALLED IN ACCORDANCE WITH THE IRC AND THE MANUFACTURER'S SPECIFICATIONS. THEY SHALL BE FITTED WITH A TIGHT FITTING FLUE DAMPER & OPERATED WITH A READILY ACCESSIBLE MANUAL OR APPROVED AUTOMATIC CONTROL. ALL FIREPLACES SHALL BE PROVIDED WITH FRESH AIR FROM THE OUTSIDE TO THE FIRE BOX. FRESH AIR INTAKES SHALL BE A MINIMUM OF 4 SQUARE INCHES AND SHALL BE FITTED WITH A READILY OPERABLE DAMPER. THEY SHALL HAVE TIGHT FITTING GLASS OR METAL DOORS, OR FLUE DRAFT INDUCTION PAN.

CRAWL ACCESS:

CRAWL ACCESS SHALL BE A MINIMUM OF 18"x24" (DOOR FROM GARAGE). IT SHALL BE UNOBSTRUCTED.

HOT WATER TANK:

ELECTRIC HEAT PUMP WATER HEATER MEETING THE STANDARDS FOR TIER III OF NEEB'S ADVANCED WATER HEATING SPECIFICATION

HOT WATER TEMPERATURE MAXIMUM:

MAXIMUM HOT WATER TEMPERATURE SHALL BE LIMITED TO 120 DEGREES FAHRENHEIT.

STAIR NOTES:

MINIMUM STAIR WIDTH 36" CLEAR MINIMUM HEADROOM 6'-8" CLEAR. STAIR RISE AND RUN PER THE PLANS (3" MAX RISE/10" MIN RUN). THE MAX RISE SHALL NOT EXCEED THE MIN RISE BY MORE THAN 3/8". INSTALL FIRESTOPS IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN THE STUDS ALONG AND IN LINE WITH THE RUN OF THE STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED. COVER ANY USABLE SPACE UNDER THE STAIRS WITH GYP. BOARD. THE HANDRAILS SHALL BE BETWEEN 1/2" AND 2" IN CROSS SECTION. IT SHALL BE MOUNTED BETWEEN 34" AND 38" ABOVE THE STAIR NOBING, AND BETWEEN 1/2" AND 3/4" FROM THE WALL. THE ENDS OF THE HANDRAIL SHALL RETURN TO THE WALL.

SMOKE ALARMS:

A NFPA 72 MONITORED "CHAPTER 25" FIRE ALARM SYSTEM IS REQUIRED; IT SHALL BE BACKLASH PREVENTERS. 1/20/2022

FIRE SPRINKLER SYSTEM:

A NFPA 13R FIRE SPRINKLER SYSTEM IS REQUIRED. 1/20/2022

EGRESS:

EVERY SLEEPING ROOM SHALL BE PROVIDED WITH AT LEAST ONE OPERABLE DOOR OR WINDOW WITH A NET CLEAR OPENING OF 5.7 SQUARE FEET. THE OPENING HEIGHT SHALL BE AT LEAST 24" AND THE WIDTH AT LEAST 20" WITH A FINISHED SLAB HEIGHT MORE THAN 42" ABOVE THE FLOOR.

RECESSED LIGHTING FIXTURES:

WHEN INSTALLED, RECESSED LIGHTING FIXTURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS:
 1. TYPE IC RATED, MANUFACTURED WITH NO PENETRATIONS BETWEEN THE NOSE OF THE RECESSED FIXTURE AND CEILING CAVITY AND SEALED OR GASKETED TO PREVENT AIR LEAKAGE INTO THE UNCONDITIONED SPACE.
 2. TYPE IC OR NON-IC RATED, INSTALLED INSIDE A SEALED BOX CONSTRUCTED FROM A MINIMUM ONE HALF INCH GYPSUM WALL BOARD OR CONSTRUCTED FROM A PERFORMED POLYMERIC VAPOR BARRIER, OR OTHER AIR TIGHT ASSEMBLY MANUFACTURED FOR THIS PURPOSE, WHILE MAINTAINING REQUIRED CLEARANCES OF NOT LESS THAN ONE HALF INCH FROM COMBUSTIBLE MATERIAL AND NOT LESS THAN THREE INCHES FROM INSULATION MATERIAL.
 3. TYPE IC RATED, CERTIFIED UNDER ASTM E823 TO HAVE NO MORE THAN 2.0 CFM AIR MOVEMENT FROM THE CONDITIONED SPACE TO THE UNCONDITIONED SPACE SHALL BE INSTALLED WITH THESE GENERAL NOTES. SEE "PRESCRIPTIVE DUCT SIZING". FANS SHALL BE RATED AT 0.25 U.G. STATIC PRESSURE, MINIMUM EFFICACY 14 CFM/WATT

WATER EFFICIENCY STANDARDS:

MAXIMUM WATER USE ALLOWED MEASURED IN GALLONS PER MINUTE (GPM):
 TOILETS 1.75 GPM
 SHOWERHEADS 1.75 GPM
 LAVATORY FAUCETS 1.0 GPM
 KITCHEN FAUCETS 1.75 GPM

FANS:

BATH, POWDER ROOM AND LAUNDRY ROOM FANS SHALL HAVE A MINIMUM CAPACITY OF 50 CFM. THE FANS SHALL BE VENTED TO THE EXTERIOR AND SHALL HAVE A BACK FLOW PREVENTER. EXHAUST DUCTS IN UNCONDITIONED SPACE SHALL BE INSULATED TO A MINIMUM OF R-4. EXHAUST DUCTS SHALL BE SIZED IN ACCORDANCE WITH THESE GENERAL NOTES. SEE "PRESCRIPTIVE DUCT SIZING". FANS SHALL BE RATED AT 0.25 U.G. STATIC PRESSURE, MINIMUM EFFICACY 14 CFM/WATT

RANGE HOODS:

RANGE HOODS SHALL HAVE A MINIMUM CAPACITY OF 100 CFM AND SHALL VENT TO THE OUTSIDE AND SHALL HAVE A BACK FLOW PREVENTER. EXHAUST DUCTS IN UNCONDITIONED SPACE SHALL BE INSULATED TO A MINIMUM OF R-4. EXHAUST DUCTS SHALL BE SIZED IN ACCORDANCE WITH THESE GENERAL NOTES. SEE "PRESCRIPTIVE DUCT SIZING". FANS SHALL BE FLOW RATED AT 0.25 U.G. STATIC PRESSURE, MINIMUM EFFICACY 2.6 CFM/WATT

PRESCRIPTIVE DUCT SIZING:

THIS SECTION SHALL BE USED FOR SIZING EXHAUST AND SUPPLY DUCTS.

FAN CFM	FLEX DIA.	MAX LENGTH	SMOOTH DIA.	MAX LENGTH
50	4 INCH	25'	4 INCH	10'
60	5 INCH	30'	5 INCH	10'
80	6 INCH	NO LIMIT	6 INCH	NO LIMIT
80	4 INCH	NOT ALLOWED	4 INCH	20'
80	5 INCH	18'	5 INCH	100'
80	6 INCH	30'	6 INCH	NO LIMIT
100	5 INCH	NOT ALLOWED	5 INCH	30'
100	6 INCH	45'	6 INCH	NO LIMIT
125	6 INCH	18'	6 INCH	NO LIMIT
125	1 INCH	10'	1 INCH	NO LIMIT

 THERE SHALL BE A MAXIMUM OF THREE ELBOWS. FOR EACH ELBOW COVER THREE SUBTRACT 10 FEET FROM THE MAXIMUM LENGTH.

ENERGY CREDITS:

HEATING OPTIONS	HEAT PUMP	1.0 CREDIT
ENERGY OPTIONS	EFFICIENT BUILDING ENVELOPE	0.5 CREDITS
	AIR LEAKAGE CONTROL	0.5 CREDITS
	EFFICIENT VENTILATION	0.5 CREDITS
	HIGH EFFICIENCY HVAC	1.5 CREDITS
	EFFICIENT WATER HEATING	2.0 CREDITS
	APPLIANCE PACKAGE	0.5 CREDITS

WHOLE HOUSE VENTILATION (INTEGRATED):

THE INTEGRATED WHOLE HOUSE VENTILATION SYSTEMS SHALL PROVIDE OUTDOOR AIR AT THE RATE CALCULATED USING SECTION M1909.3. INTEGRATED FORCED-AIR VENTILATION SYSTEMS SHALL DISTRIBUTE OUTDOOR AIR TO EACH HABITABLE ROOM THROUGH THE FORCED-AIR SYSTEM DUCTS. INTEGRATED FORCED-AIR VENTILATION SYSTEMS SHALL HAVE AN OUTDOOR AIR INLET DUCT CONNECTING A TERMINAL ELEMENT ON THE OUTSIDE OF THE BUILDING TO THE RETURN AIR FLEET OF THE FORCED AIR SYSTEM, AT A POINT WITHIN 4 FEET UPSTREAM OF THE AIR HANDLER. THE OUTDOOR AIR INLET DUCT CONNECTION TO THE RETURN AIR STREAM SHALL BE LOCATED UPSTREAM OF THE FORCED-AIR SYSTEM BLOWER AND SHALL NOT BE CONNECTED DIRECTLY INTO A FURNACE CABINET TO PREVENT THERMAL SHOCK TO THE HEAT EXCHANGER. THE SYSTEM WILL BE EQUIPPED WITH A MOTORIZED DAMPER CONNECTED TO THE AUTOMATIC VENTILATION CONTROL, AS SPECIFIED IN SECTION M1909.5.2. THE REQUIRED FLOW RATE SHALL BE VERIFIED BY FIELD TESTING WITH A FLOW HOOD OR A FLOW MEASURING STATION.

THE WHOLE HOUSE VENTILATION SYSTEM SHALL BE CONTROLLED BY A 24-HOUR CLOCK, TIMER WITH THE CAPABILITY OF CONTINUOUS OPERATION, MANUAL, AND AUTOMATIC CONTROL. THE CONTROL WILL CONTROL THE FORCED AIR SYSTEM BLOWER AND THE AUTOMATIC DAMPER. THE 24-HOUR TIMER SHALL BE READILY ACCESSIBLE. THE 24-HOUR TIMER SHALL BE CAPABLE OF OPERATING THE WHOLE HOUSE VENTILATION SYSTEM WITHOUT ENERGIZING OTHER ENERGY-CONSUMING APPLIANCES. AT THE TIME OF FINAL INSPECTION, THE AUTOMATIC CONTROL TIMER SHALL BE SET TO OPERATE THE WHOLE HOUSE SYSTEM FOR A LEAST 8 HOURS A DAY. A LABEL SHALL BE AFFIXED TO THE CONTROL THAT READS "WHOLE HOUSE VENTILATION (SEE OPERATING INSTRUCTIONS)".

WHOLE HOUSE EXHAUST FANS SHALL BE RATED AT 0.25 U.G. AND MAX. 1.0 SONE RATING THE OUTDOOR AIR CONNECTION TO THE RETURN AIR STREAM SHALL BE LOCATED TO PREVENT THERMAL SHOCK TO THE HEAT EXCHANGER. THE OUTDOOR AIR INLET SHALL BE SCREENED OR OTHERWISE PROTECTED FROM ENTRY BY INSECTS, LEAVES, OR OTHER MATERIAL. THE INLETS SHALL BE LOCATED SO AS NOT TO TAKE AIR FROM THE FOLLOWING AREAS:
 A) CLOSER THAN 10 FEET FROM AN APPLIANCE VENT OUTLET, UNLESS SUCH VENT OUTLET IS 3 FEET ABOVE THE OUTDOOR AIR INLET.
 B) WHERE IT WILL PICK UP OBJECTIONABLE ODOORS, FUMES OR FLAMMABLE VAPORS.
 C) A HAZARDOUS OR UNSANITARY LOCATION.
 D) A ROOM OR SPACE HAVING ANY FUELBURNING APPLIANCE THEREIN.
 E) CLOSER THAN 10 FEET FROM A VENT OPENING OF A PLUMBING DRAINAGE SYSTEM UNLESS SUCH VENT OPENING IS AT LEAST 3 FEET ABOVE THE AIR INLET.
 F) ATTIC, CRAWL SPACES OR GARAGES.
 THE DUCT SHALL BE INSULATED TO R-4 WHERE PASSING THROUGH UNCONDITIONED SPACE.

A WHOLE HOUSE EXHAUST FAN SHALL BE LOCATED IN THE CEILING, AND SIZED AS PER TABLE M1909.2 OF THE IRC.

HVAC:

THE HVAC SHALL BE CAPABLE OF MAINTAINING 68 DEGREES FAHRENHEIT AT A POINT THREE FEET OFF THE FLOOR AND 2' FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS WHEN THE OUTSIDE TEMPERATURE IS 49 SET FORTH IN THE WASHINGTON STATE ENERGY CODE. THE HVAC SYSTEM SHALL BE A GEOTHERMAL HEAT PUMP, WATER FURNACE, SERIES NOV 660, QUHP 30 SERIES 6 COP, THE INSTALLED HVAC SIZE SHALL BE BASED ON THE CALCULATED HEAT LOSS AND SHALL NOT EXCEED 100% OF THE CALCULATED HEAT LOSS. A NIGHT SETBACK THERMOSTAT IS REQUIRED.

ENERGY CODE DATA:

THIS BUILDING IS DESIGNED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE INSULATION VALUES:

INSULATION VALUES:

INSULATION AND PENETRATION REQUIREMENTS BY COMPONENT
 CLIMATE ZONE 5 AND MARINE 4

	REQUIRED	ACTUAL
Fenestration U-factor	0.30	0.24
Skylight U-factor	0.30	no skylights
Roof R-value	49 (NOTE 1)	50
Wood Frame Wall R-value	2 (Intermediate NOTE 3)	2 (Intermediate)
Floor R-value	30	30
Basement/Slab R-value	10/19/21 (1st + 9th) (NOTE 2)	21 with no heated slab
Slab R-value x Depth	10, 2 ft	no heated slab

NOTE 1 For single rafters or joist-vented ceilings, the insulation may be reduced to R-38 if the fill insulation depth extends over the top plate of the exterior wall.
 NOTE 2 10/19/21 (1st) means R-10 continuous insulation on the exterior of the wall, or R-13 continuous insulation on the interior of the wall, or R-13 cavity insulation plus a thermal break between the slab and the basement wall at the interior of the basement wall. 10/19/21 (9th) shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the wall. 19/21 means R-5 thermal break between floor slab and basement wall.
 NOTE 3 Int. (Intermediate framing) denotes framing and insulation as described in Section A103.2.2 including rafter/rafter framing 16 inches on center, 18 percent of the wall cavity insulated and headers insulated with a minimum of R-10 insulation.

OUTDOOR LIGHTING:

OUTDOOR LIGHTING FIXTURES THAT ARE PERMANENTLY MOUNTED TO THE STRUCTURE OR OTHER STRUCTURES UPON THE SAME LOT SHALL BE HIGH EFFICIENCY LUMINAIRES UNLESS CONTROLLED BY A MOTION SENSOR WITH AN INTEGRAL PHOTO SENSOR.

INFILTRATION CONTROL:

EXTERIOR JOINTS AROUND SOLE PLATES, WIRING, PLUMBING, DUCTS, RIM JOISTS, MUDSILLS, FLUES, LIGHT FIXTURES, AND PARTITION STUD PENETRATIONS, THROUGH WALLS, FLOORS, AND ROOFS, AND ALL OTHER SUCH OPENINGS INTO THE BUILDING ENVELOPE SHALL BE SEALED, GASKETED, GASKETED, OR LEATHER-STRIPPED TO LIMIT AIR LEAKAGE. COMPLY WITH R402.1.2. REDUCE THE TESTED AIR LEAKAGE TO 3.0 AIR CHANGES PER HOUR MAX. AT 50 PASCALS.

VAPOR BARRIERS:

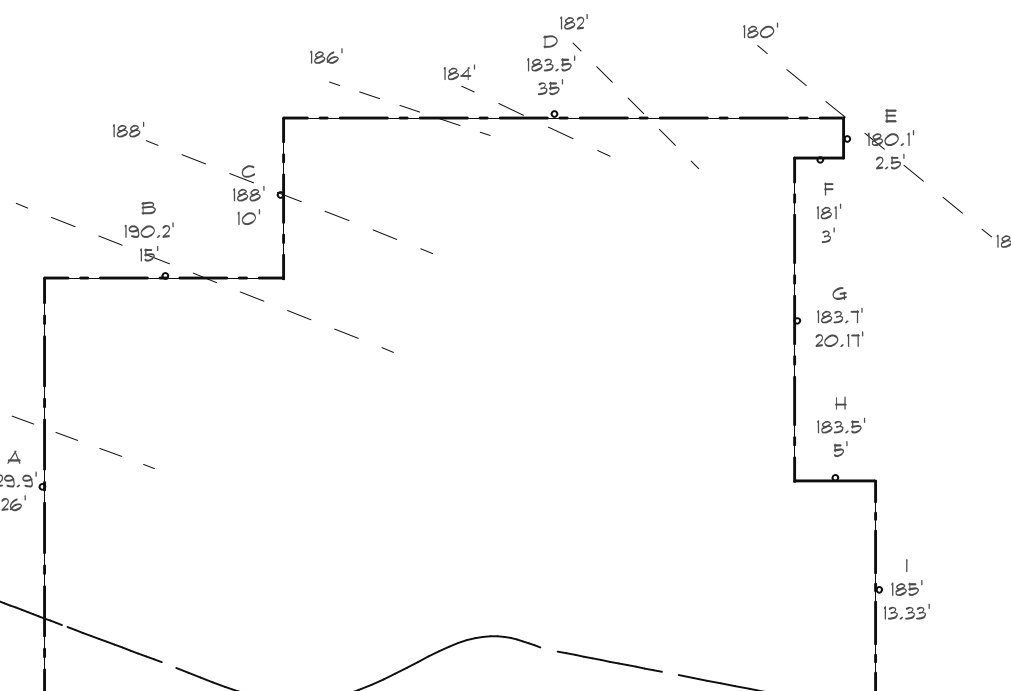
AN APPROVED VAPOR BARRIER SHALL BE PROPERLY INSTALLED IN ROOF DECKS, IN ENCLOSED RAFTER SPACES FORMED WHERE CEILING IS APPLIED DIRECTLY TO THE UNDERSIDE OF RAFTERS, AND AT EXTERIOR WALLS.

GROUND COVERS:

A GROUND COVER OF 6 MIL BLACK POLYETHYLENE OR EQUIVALENT SHALL BE LAID OVER THE GROUND IN ALL CRAWL SPACES AND UNDER ALL FLOOR SLABS EXCEPT GARAGE FLOOR SLABS. THE GROUND FLOOR COVER SHALL BE OVERLAPPED ONE FOOT AT EACH JOINT AND SHALL EXTEND TO THE FOUNDATION WALL.

APPLIANCE PACKAGE:

DISHWASHER ENERGY STAR RATED
 REFRIGERATOR ENERGY STAR RATED
 WASHING MACH. ENERGY STAR RATED
 DRYER ENERGY STAR RATED, VENTLESS DRYER W/ MIN. CEF RATING OF 5.2



Average Building Elevation			
A	192.9	26	5015.4
B	190.2	15	2853
C	188.0	10	1880
D	183.5	35	6422.5
E	180.1	2.5	450.3
F	181.0	3	543
G	183.5	20.17	3701.2
H	183.5	5	917.5
I	185.0	13.33	2466
J	194.2	52	10098.3
		182.0	34347.3

ARCHITECTURAL PLANS

A 1.0 GENERAL NOTES

A 2.0 FOUNDATION
 A 2.1 GARAGE PLAN
 A 2.2 MAIN FLOOR PLAN
 A 2.3 UPPER FLOOR PLAN
 A 2.4 ROOF PLAN

A 3.1 EAST ELEVATION
 A 3.2 WEST ELEVATION
 A 3.3 SOUTH ELEVATION
 A 3.4 NORTH ELEVATION

A 4.1 SECTION "A-A"
 A 4.2 SECTION "B-B"
 A 4.3 SECTION "C-C"
 A 4.4 SECTION "D-D"

A 5.1 DETAILS
 A 5.2 DETAILS
 A 5.3 DETAILS
 A 5.4 DETAILS
 A 5.5 STAIRS
 A 5.6 WINDOWS

A 6.1 CABINETS
 A 6.2 GARAGE FLOOR ELECTRICAL
 A 6.3 MAIN FLOOR ELECTRICAL
 A 6.4 UPPER FLOOR ELECTRICAL

STRUCTURAL PLANS

F 1.0 SHORING PIN FILE DETAILS
 F 1.1 SHORING PIN FILE DETAILS
 F 2.0 SHORING PIN FILE PLAN

S 1.0 STRUCTURAL NOTES
 S 2.0 FOUNDATION PLAN
 S 2.1 ENTRY FLOOR FRAMING
 S 2.2 MAIN FLOOR FRAMING PLAN
 S 2.3 UPPER FLOOR FRAMING PLAN
 S 2.4 ROOF FRAMING PLAN

S 3.0 FOUNDATION DETAILS
 S 3.1 FOUNDATION DETAILS
 S 3.2 FOUNDATION DETAILS

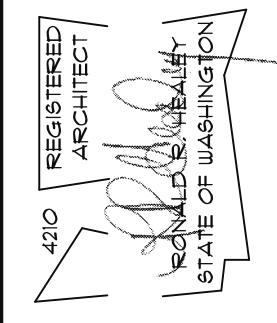
S 4.0 FRAMING DETAILS
 S 4.1 FRAMING DETAILS
 S 4.2 FRAMING DETAILS
 S 4.3 FRAMING DETAILS

CIVIL ENGINEERING PLANS

C1.01 COVER SHEET
 C1.02 TOPOGRAPHIC PLAN
 C1.03 BMP NOTES
 C2.01 T&E & TREE RETENTION
 C4.01 STORM, UTILITIES & GRADING
 C4.31 STORM DRAINAGE DETAILS

WETLAND PLANS

1 OF 2 CRITICAL ENHANCEMENT PLAN
 2 OF 2 CRITICAL ENHANCEMENT PLAN



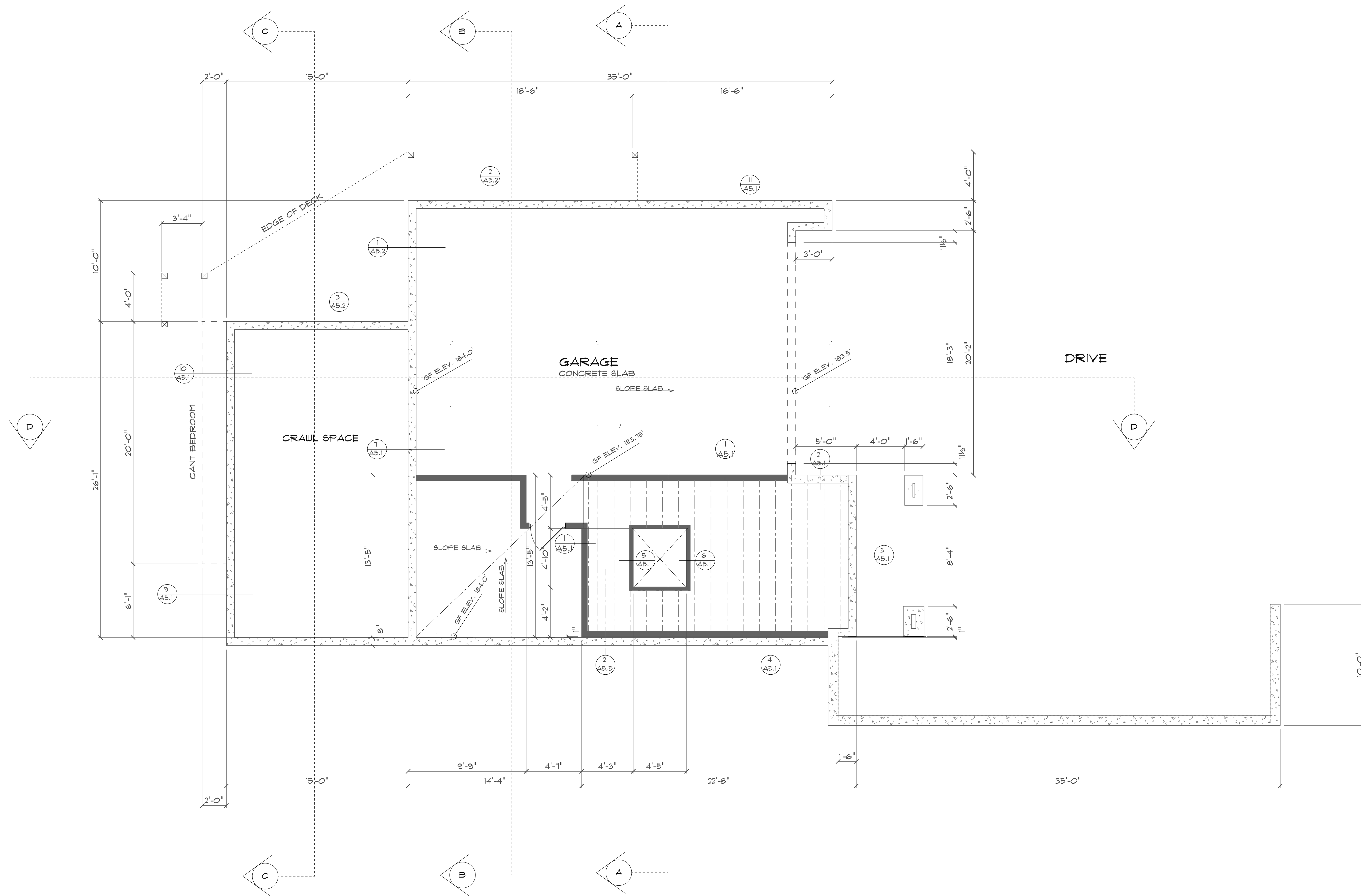
THE HEALEY ALLIANCE AZ
 2505 N 195th DRIVE, GOODYEAR, AZ 85395 • (480) 444-6768
 ARCHITECTS

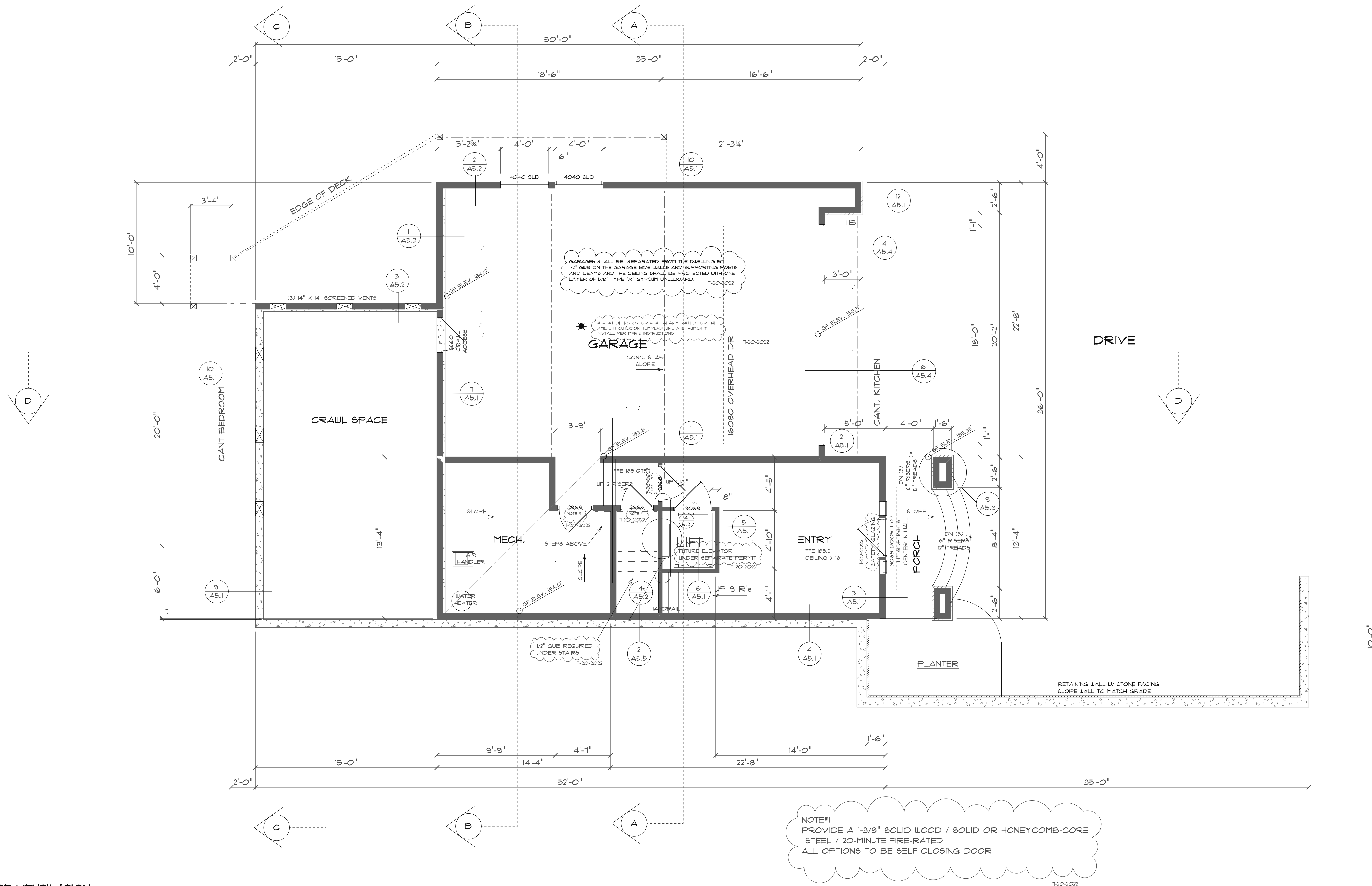
MI Treehouse, LLC,
 5637 EAST MERCER WAY
 MERCER ISLAND, WA.

COVER SHEET
 SCALE 1/4" = 1'-0"

DATE
 4-13-2022
 10-5-2022

PROJECT NO.
 001
 SHEET NO.
 A 1.0



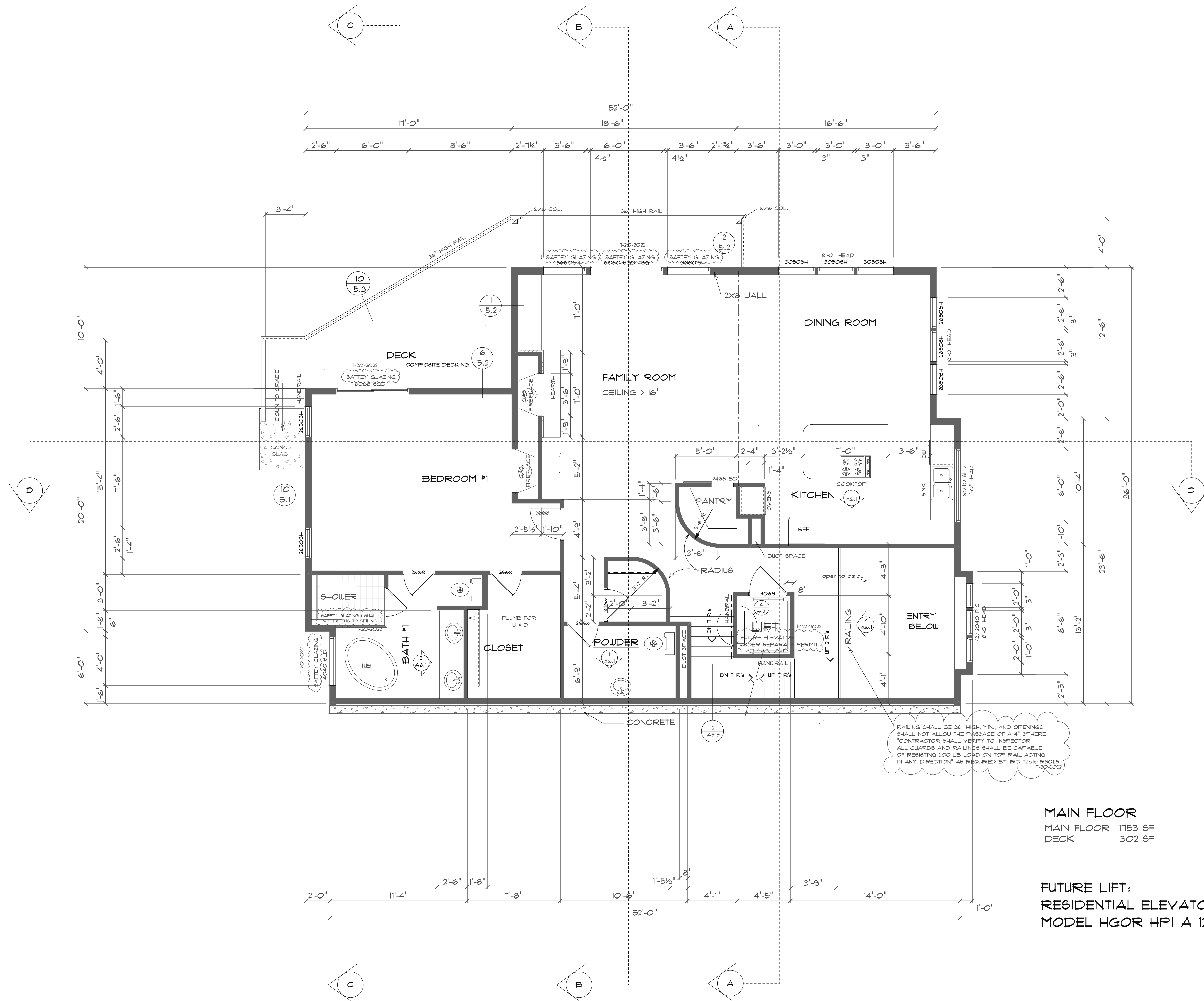


CRAWL SPACE VENTILATION

CRAWL SPACE AREA	365 S.F.
VENT. AREA REQ'D. (A/150 X 144)	351 S.F.
8x14 SCREENED VENTS CLEAR AREA	84 S.F.
14x14 SCREENED VENTS CLEAR AREA	141 S.F.
NUMBER OF VENTS:	
(3) 8x14 (4 X 84)	252 S.F.
(3) 14x14 (3 X 141)	441 S.F.
TOTAL	693 S.F.

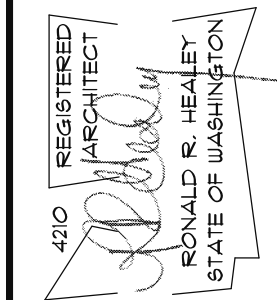
BASEMENT FLOOR

LIVING	273 SF
GARAGE	958 SF
TOTAL	1231 SF
BUILDING FOOTPRINT	1694 SF
PORCH	73 SF



MAIN FLOOR
 MAIN FLOOR 1753 SF
 DECK 302 SF

FUTURE LIFT:
 RESIDENTIAL ELEVATORS
 MODEL HGOR HPI A 12



THE HEALEY ALLIANCE AZ
 2505 N 195th DRIVE, SUITE 600, EVERETT, WA 98203
 (425) 444-6768
ARCHITECTS

MI Treehouse, LLC,
 5631 EAST MERCER WAY
 MERCER ISLAND, WA.

MAIN FLOOR PLAN

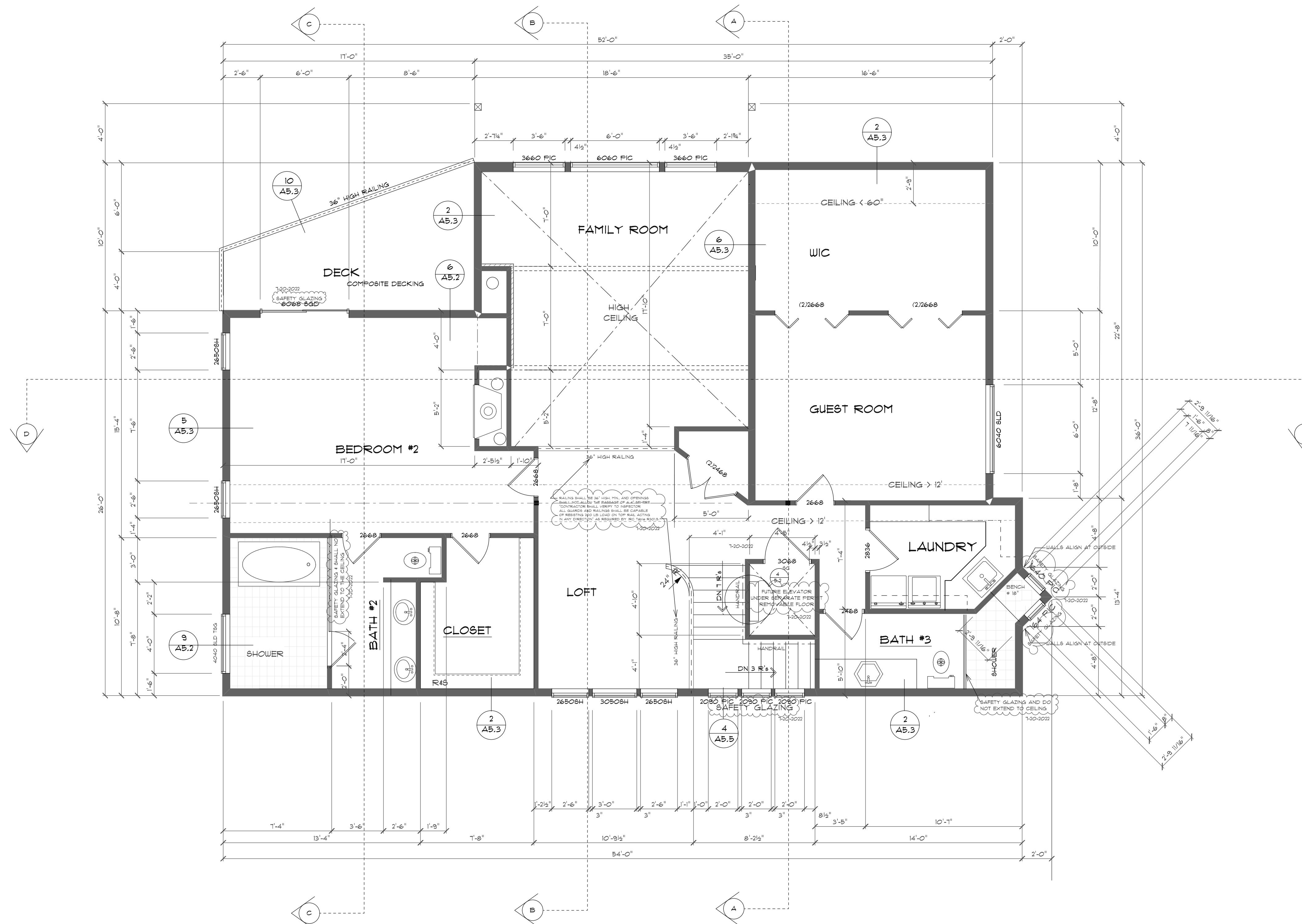
SCALE 1/4" = 1'-0"

DATE
 4-13-2022
 10-5-2022

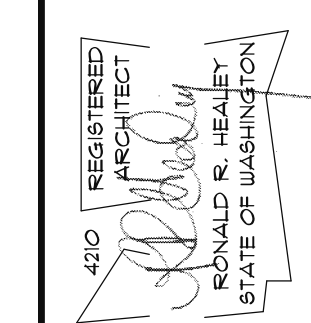
PROJECT NO.
 001

SHEET NO.

A2.2



UPPER FLOOR 1345 SF
DECK 119 SF

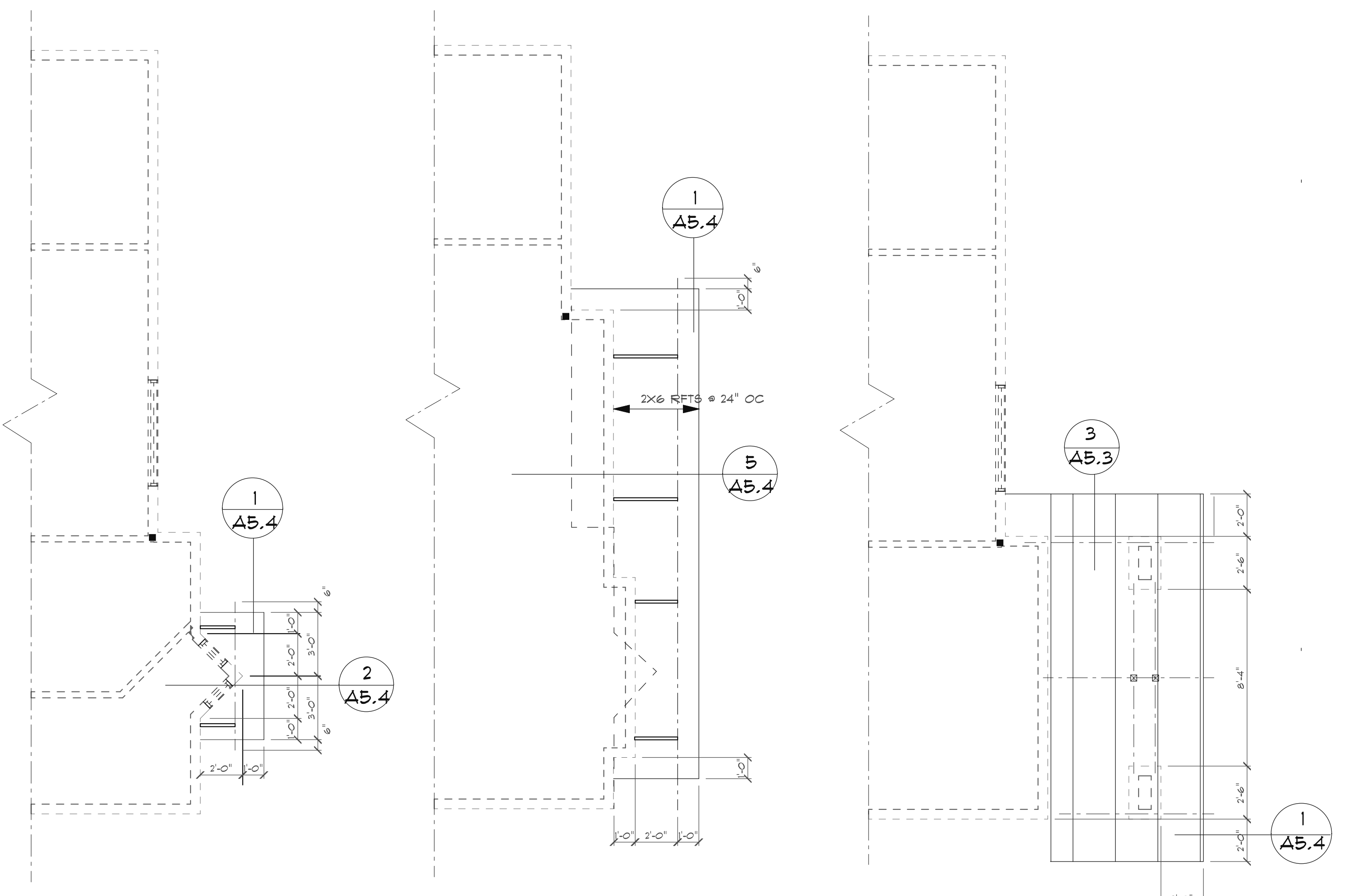
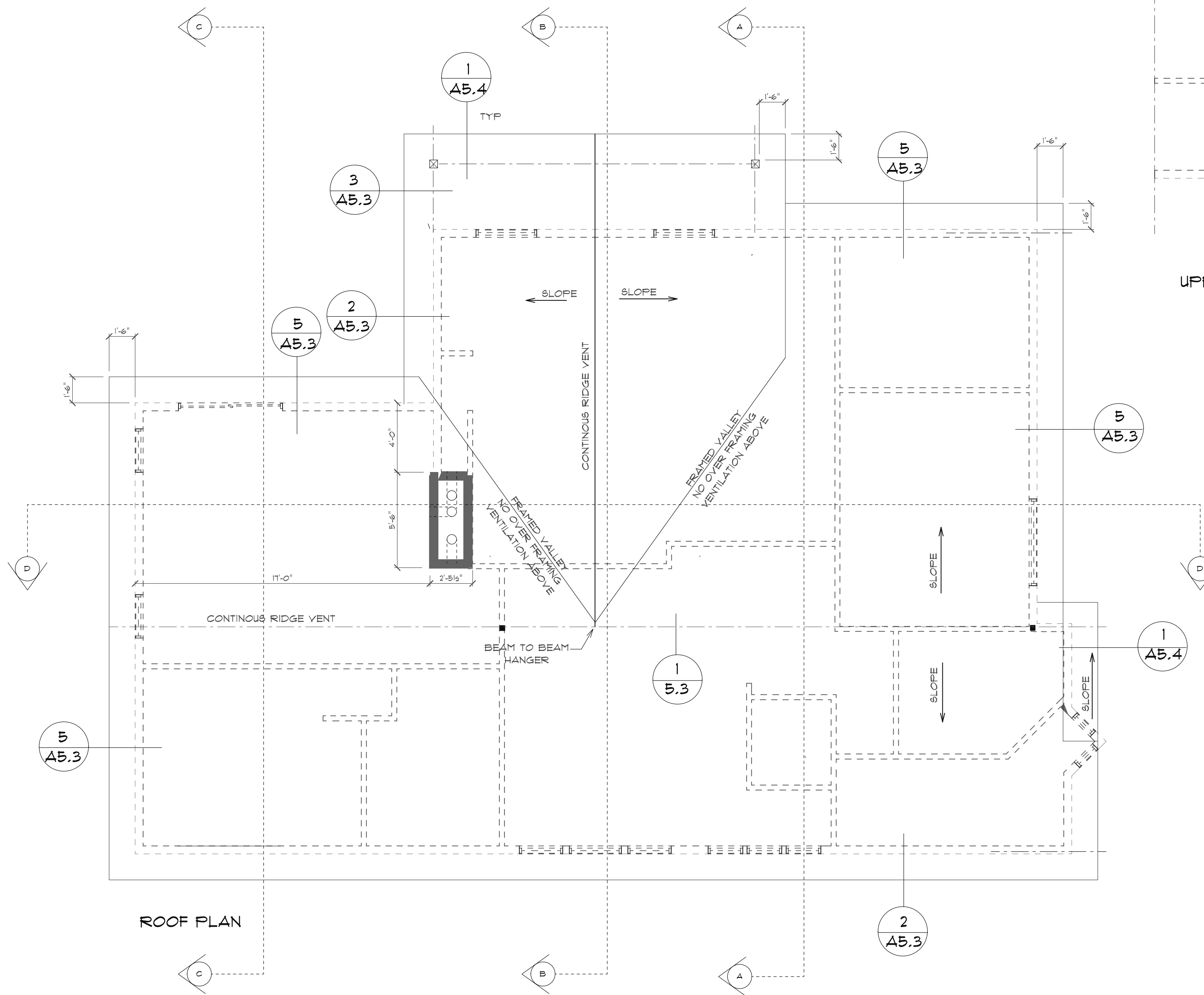


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ARCHITECTS

Mi Treehouse, LLC,
5631 EAST MERCER WAY
MERCER ISLAND, WA.

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

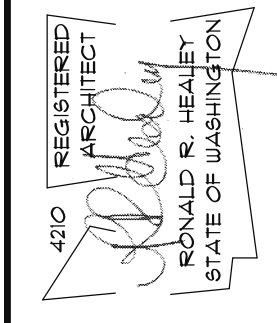
DATE	4-13-2022
PROJECT NO.	001
SHEET NO.	A2.3



ROOF VENTILATION

TYPICAL EACH RAFTER BAY	44 SQ.FT. (12' X 22' + 44 SF)
MAX. RAFTER BAY AREA:	
VENT AREA REQ'D:	21 SQ.IN.
VENT BLOCKS:	10 SQ.IN.
CONTINUOUS RIDGE VENT:	
(18) 18 SQ.IN. / FT.	36 SQ.IN.
TOTAL	46 SQ.IN.

VENT BLOCKS (3) 2" dia. HOLES
 ROOF JACK 48 SQ. IN. EACH



THE HEALEY ALLIANCE AZ
 2505 N 193RD AVENUE, GOODYEAR, AZ 85395 • (480) 444-6168
ARCHITECTS

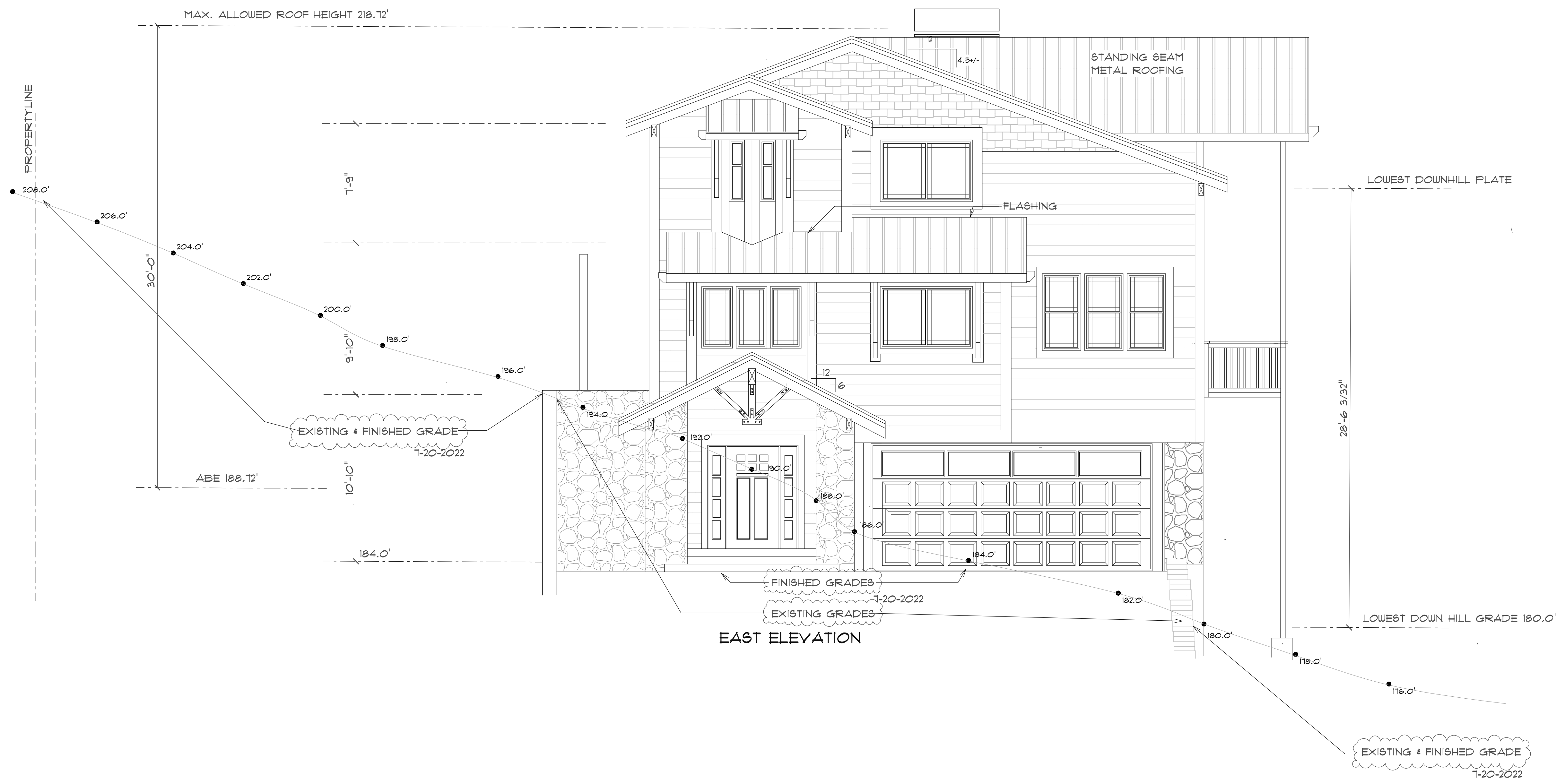
Mi Treehouse, LLC,
 5631 EAST MERCER WAY
 MERCER ISLAND, WA.

ROOF PLAN
 DATE
 4-13-2022
 10-5-2022

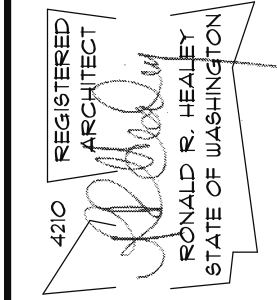
PROJECT NO.
 001

SHEET NO.
 A2.4

SCALE 1/4" = 1'-0"



EAST ELEVATION



THE HEALEY ALLIANCE AZ
 2509 N 195th DRIVE, SUITE 600, YEAR, AZ, 85335 • (480) 444-2768
ARCHITECTS

MI Treehouse, LLC,
 5637 EAST MERCER WAY
 MERCER ISLAND, WA.

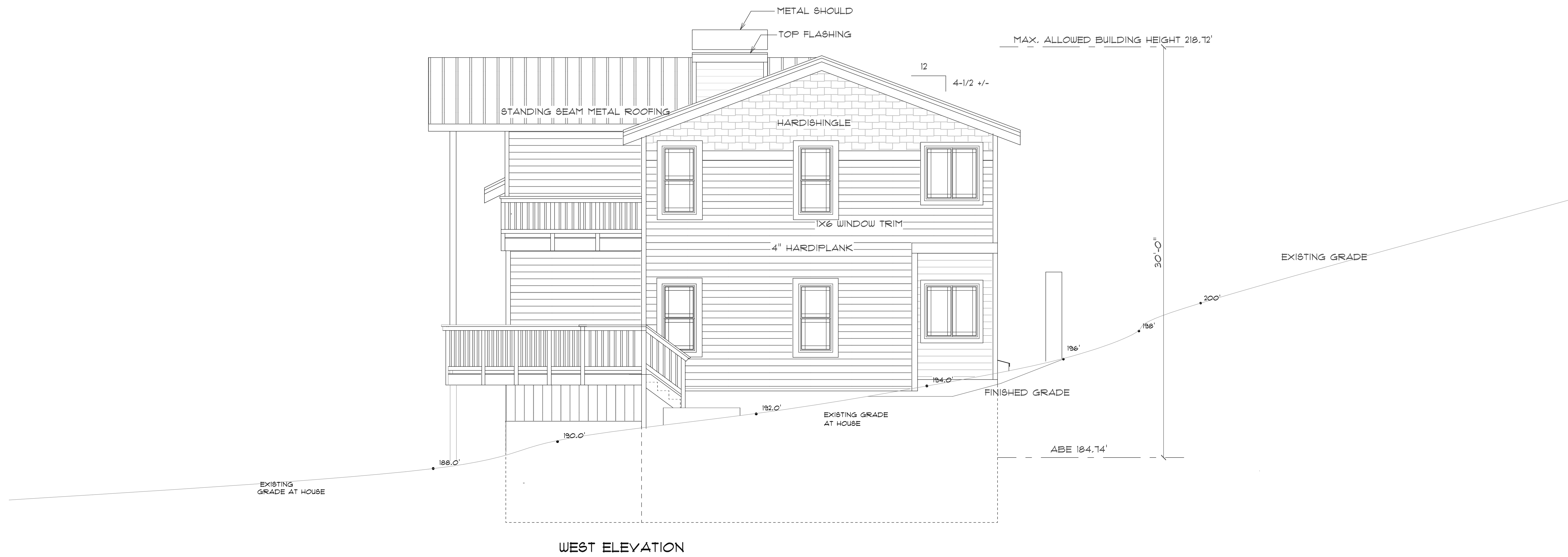
EAST ELEVATIONS

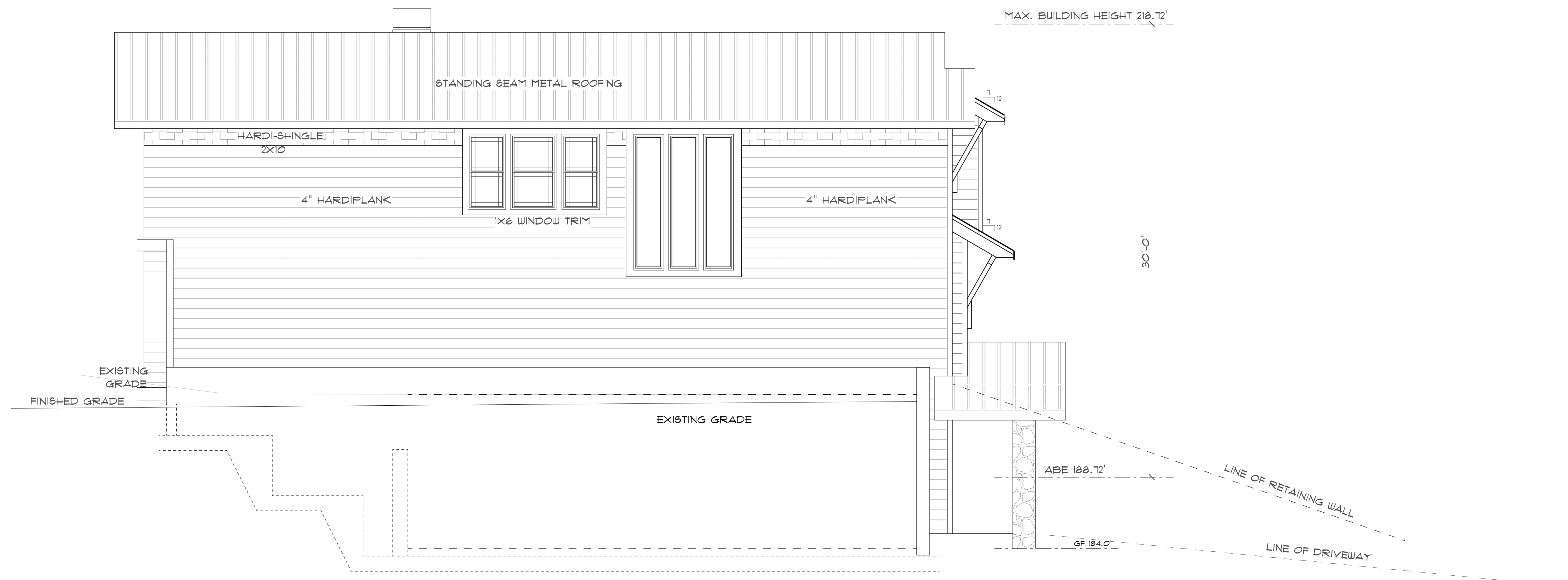
SCALE 1/4" = 1'-0"

DATE
 4-13-2022
 10-5-2022

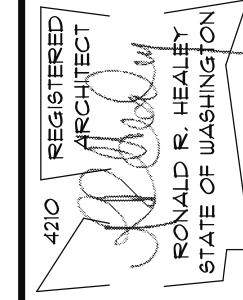
PROJECT NO.
 001

SHEET NO.
A3.1





SOUTH ELEVATION



THE HEALEY ALLIANCE AZ
 2505 N 195th DRIVE, GOODYEAR, AZ 85339 • (480) 444-2768
ARCHITECTS

M1 Treehouse, LLC,
 5631 EAST MERCER WAY
 MERCER ISLAND, WA.

SOUTH ELEVATIONS

DATE
 04-13-2022
 10-5-2022
 PROJECT NO.
 001
 SHEET NO.

A3.3

SCALE 1/4" = 1'-0"

MAX. BUILDING HEIGHT 218.12'

30'-0"

ABE 188.12'

GF 184.0'

LINE OF RETAINING WALL

LINE OF DRIVEWAY

EXISTING GRADE
 FINISHED GRADE

EXISTING GRADE

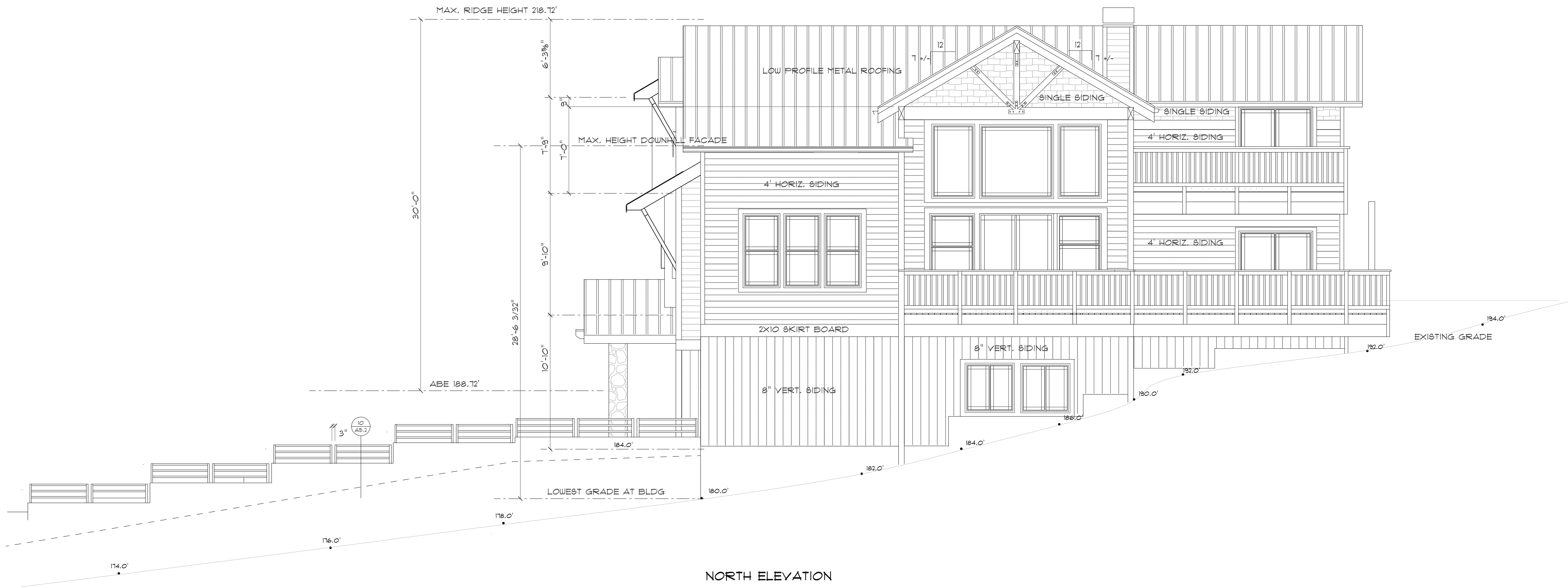
HARDI-SHINGLE
 2X10

4" HARDIPLANK

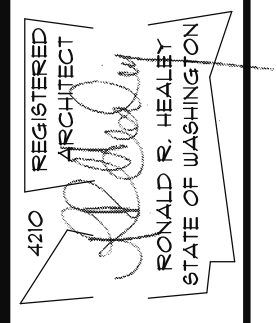
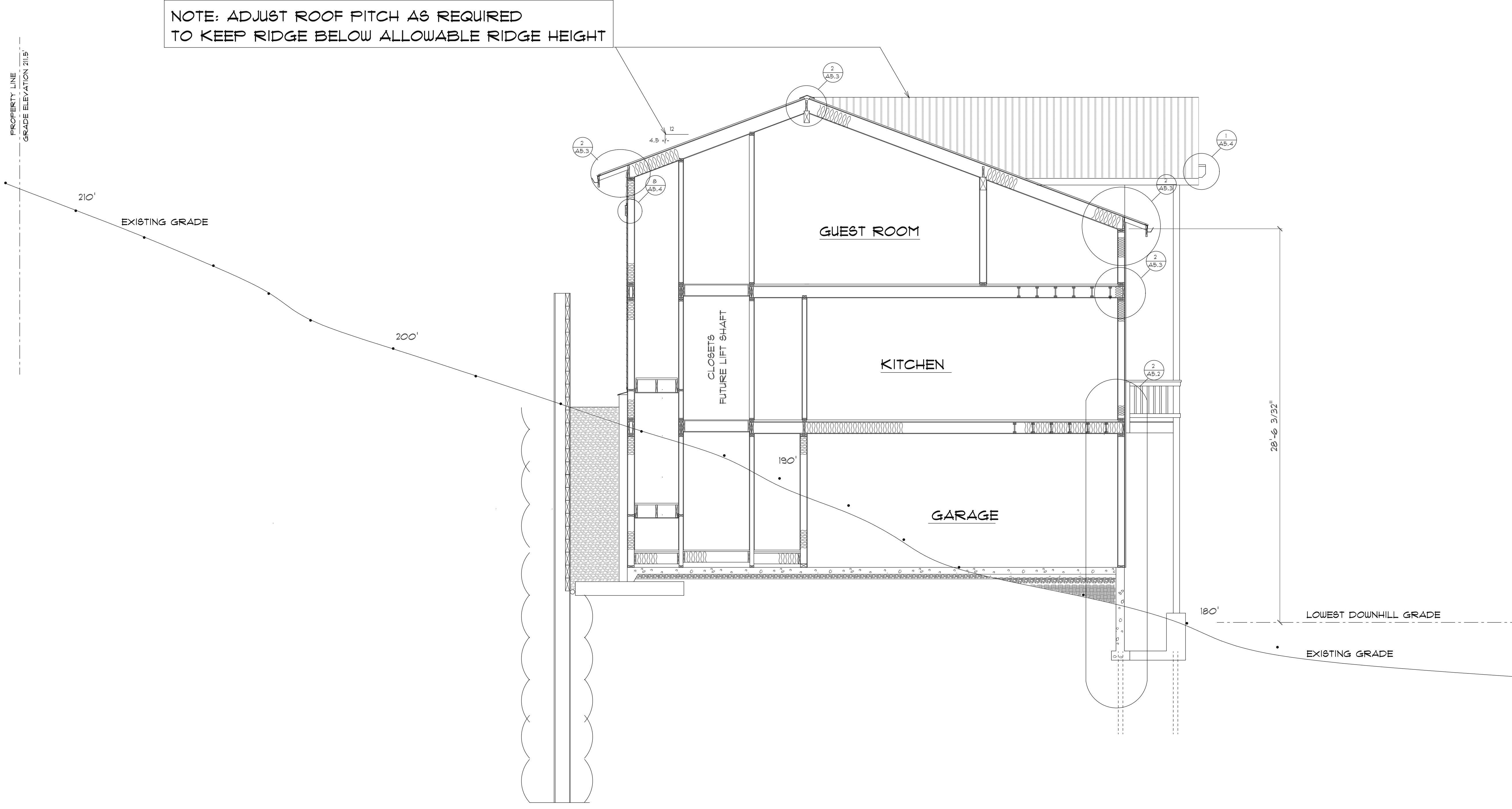
1X6 WINDOW TRIM

4" HARDIPLANK

STANDING SEAM METAL ROOFING



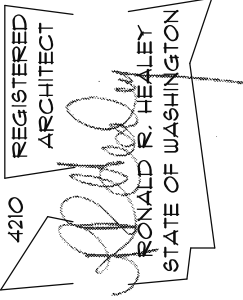
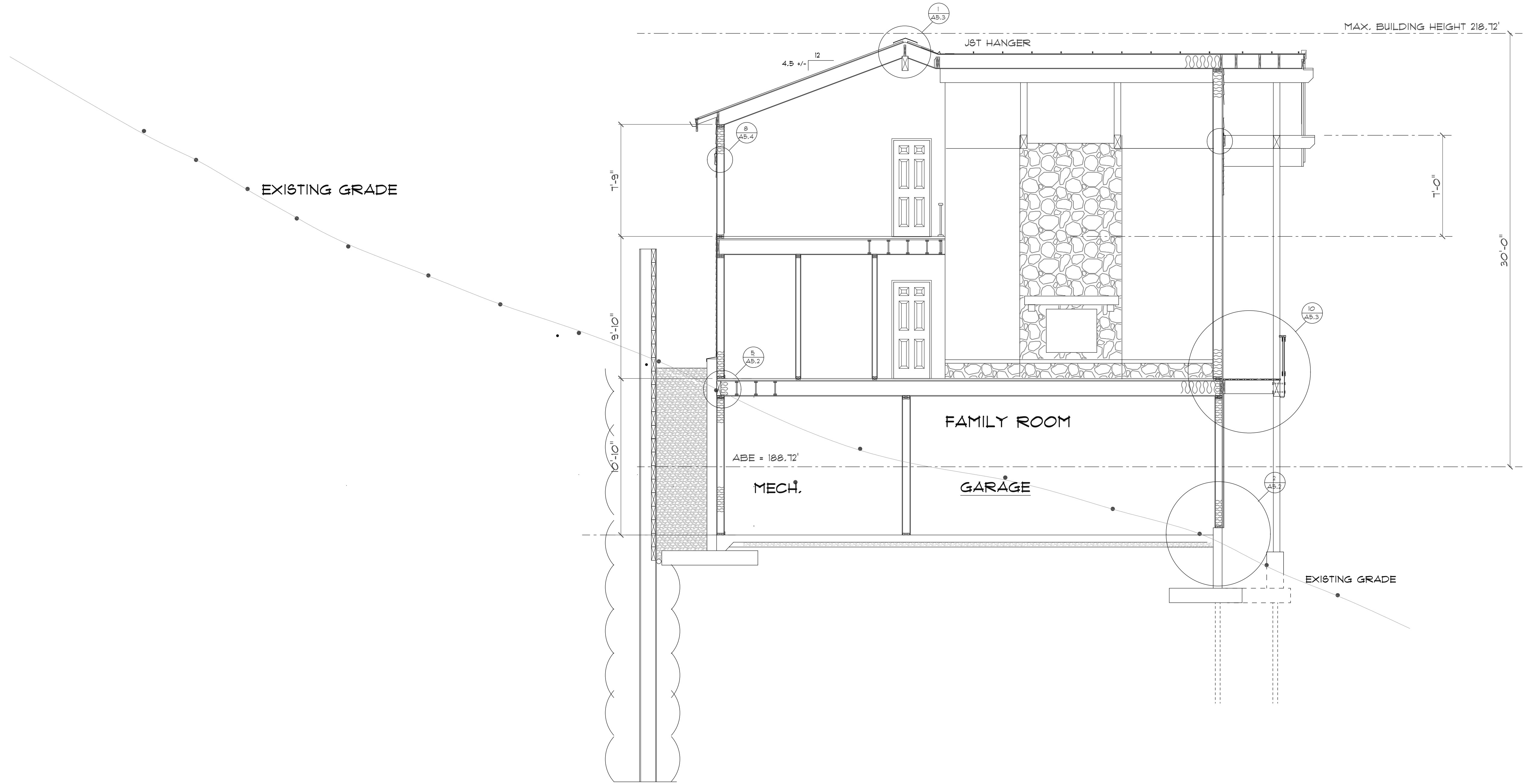
NORTH ELEVATION



420 REGISTERED ARCHITECT
 THE HEALEY ALLIANCE AZ
 2505 N 138TH DRIVE, GOODYEAR, AZ 85395 • (480) 444-6768
 ARCHITECTS

Mi Treehouse, LLC,
 5631 EAST MERCER WAY
 MERCER ISLAND, WA.

SECTION A-A
 DATE 04-13-2022
 10-5-2022
 PROJECT NO. 001
 SHEET NO. A4.1
 SCALE 1/4" = 1'-0"



THE HEALEY ALLIANCE AZ
 2808 N 138th DRIVE, SUITE 100, AZ 85295 • (480) 444-6768
ARCHITECTS

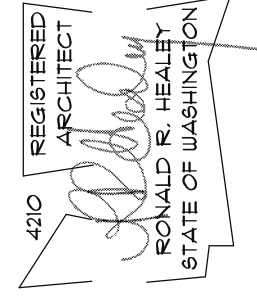
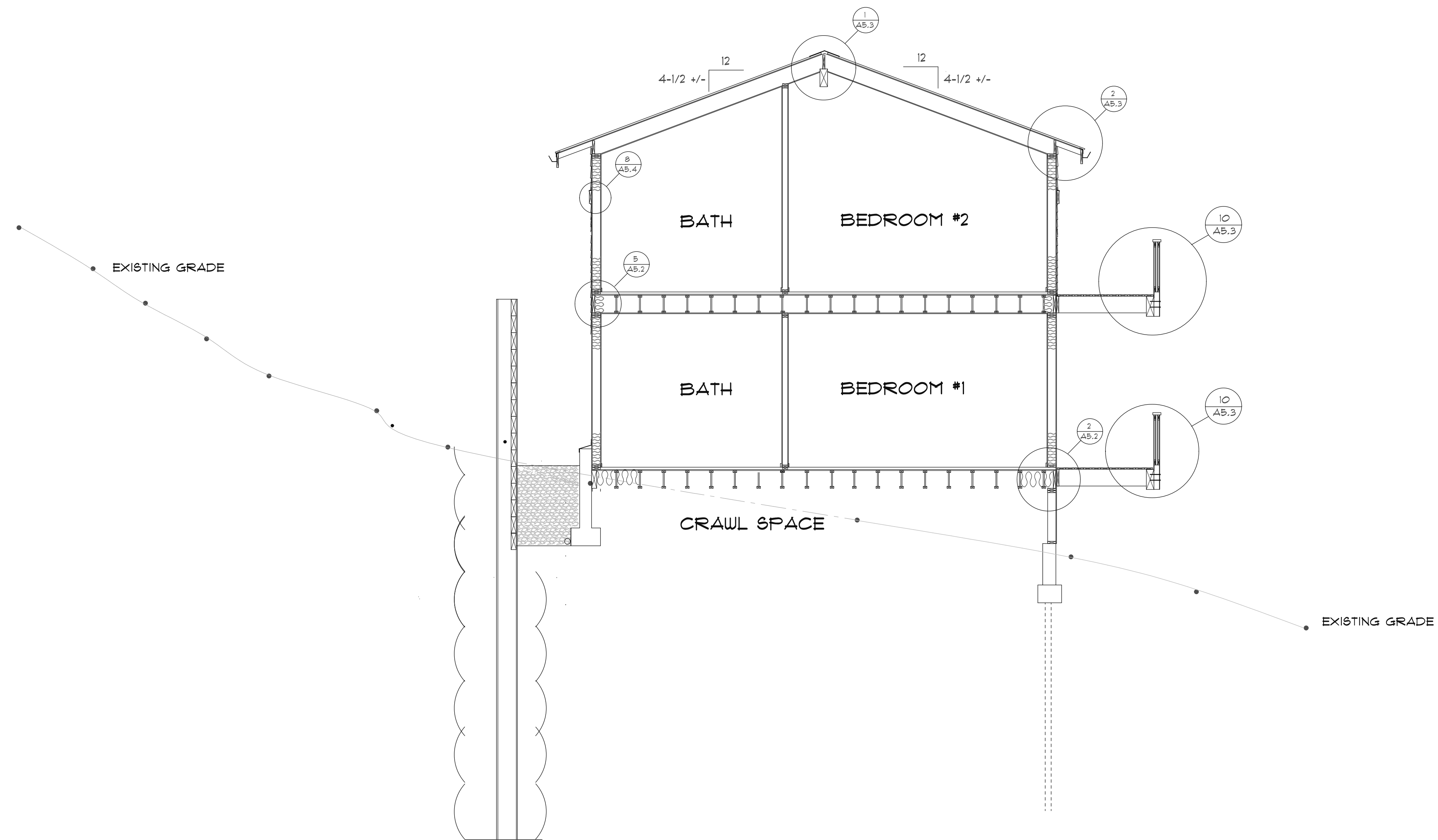
M1 Treehouse, LLC,
 5631 EAST MERCER WAY
 MERCER ISLAND, WA.

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

DATE
 04-13-2022
 10-5-2022

PROJECT NO.
 001

SHEET NO.
A4.2



THE HEALEY ALLIANCE AZ
 2508 N 135th DRIVE, GOODYEAR, AZ, 85338 • (480) 444-6768
 ARCHITECTS

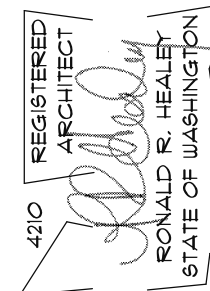
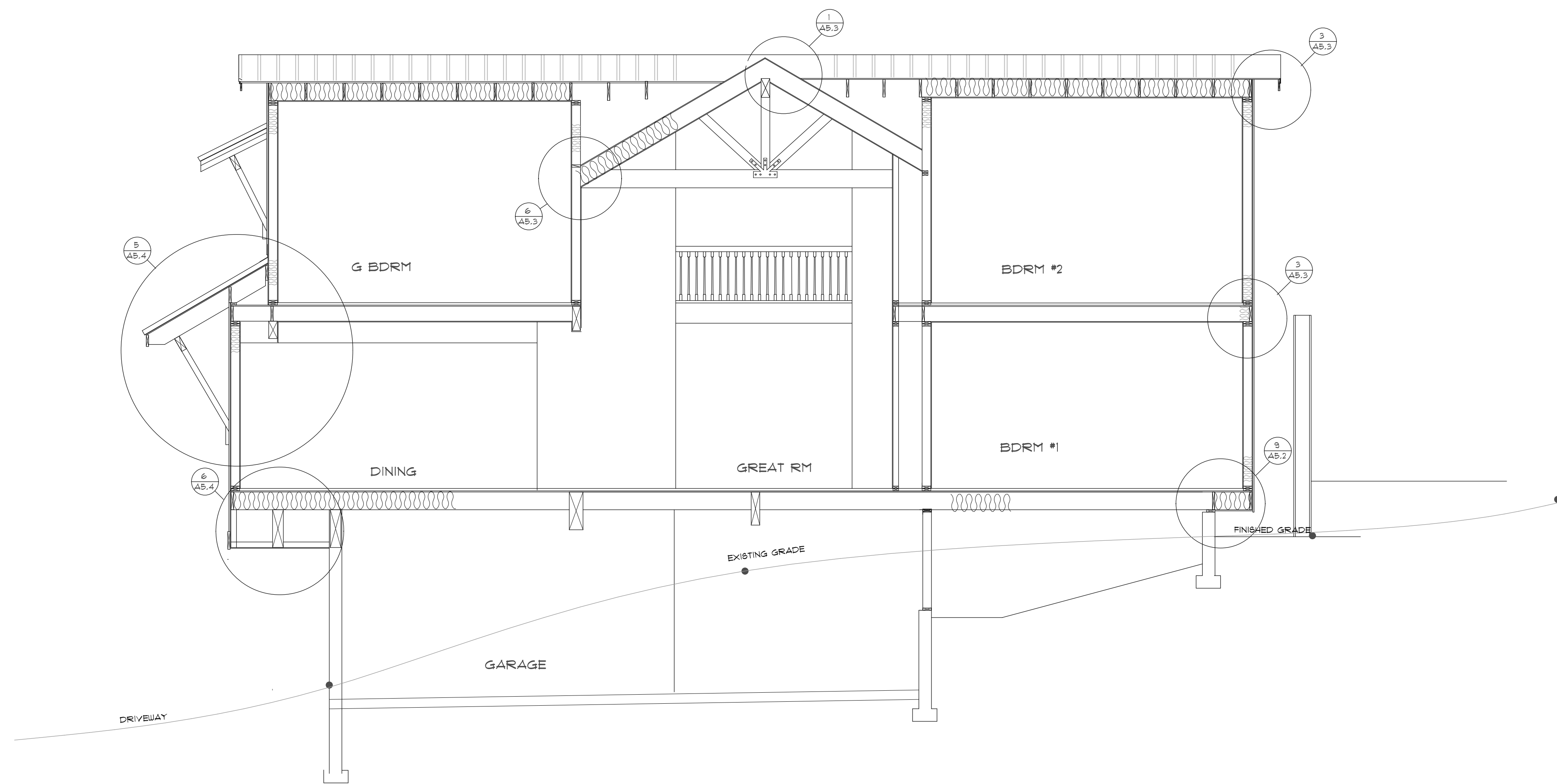
MI Treehouse, LLC,
 5637 EAST MERCER WAY
 MERCER ISLAND, WA.

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

DATE
 4-13-2022
 10-5-2022

PROJECT NO.
 001

SHEET NO.
A4.3



THE HEALEY ALLIANCE AZ
 2505 N 135th DRIVE, GIGHEAR, AZ 85535 • (480) 444-6788
 ARCHITECTS

Mi Treehouse, LLC,
 5631 EAST MERCER WAY
 MERCER ISLAND, WA.

SECTION "D-D"

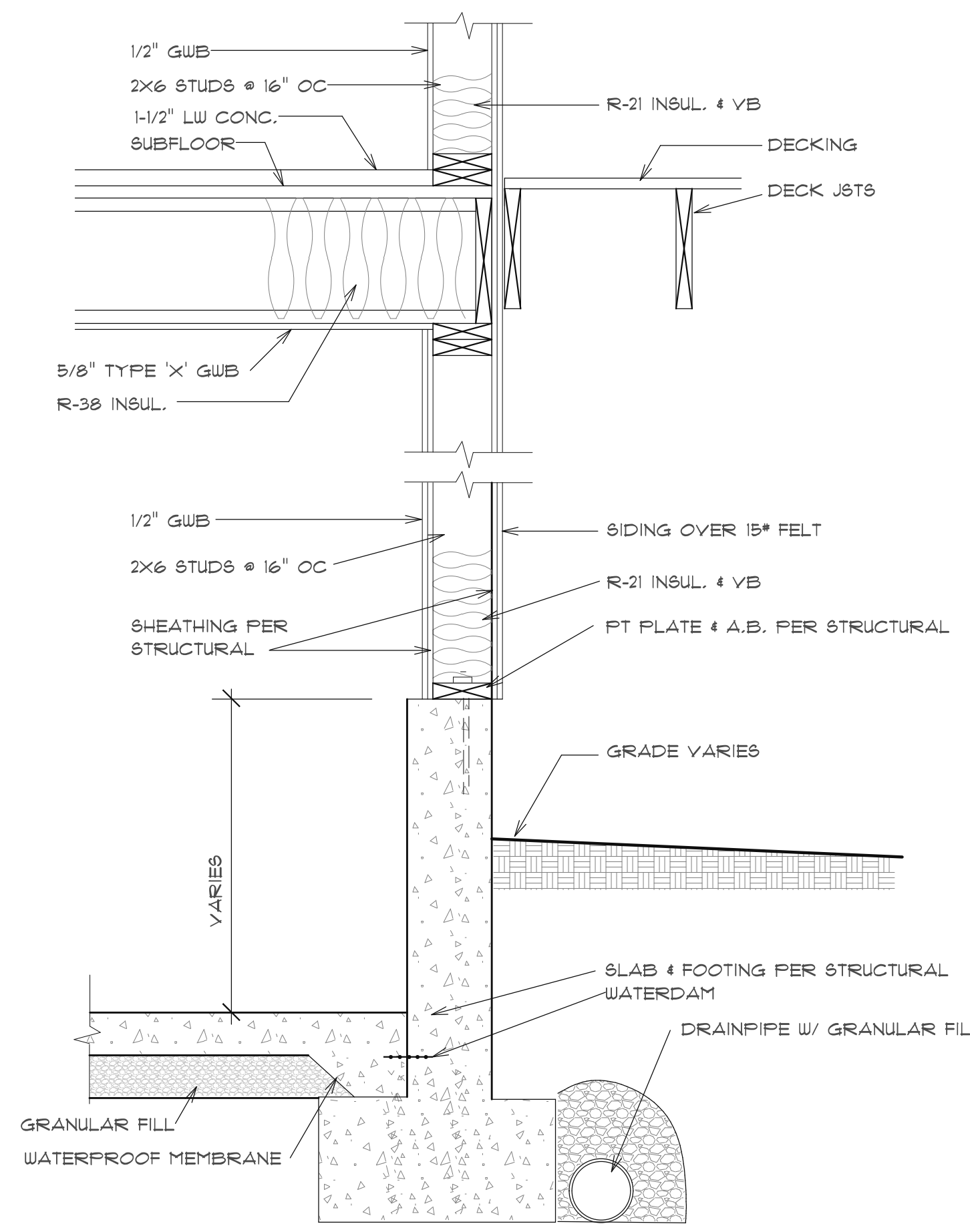
SCALE 1/4" = 1'-0"

DATE
 4-13-2022
 10-5-2022

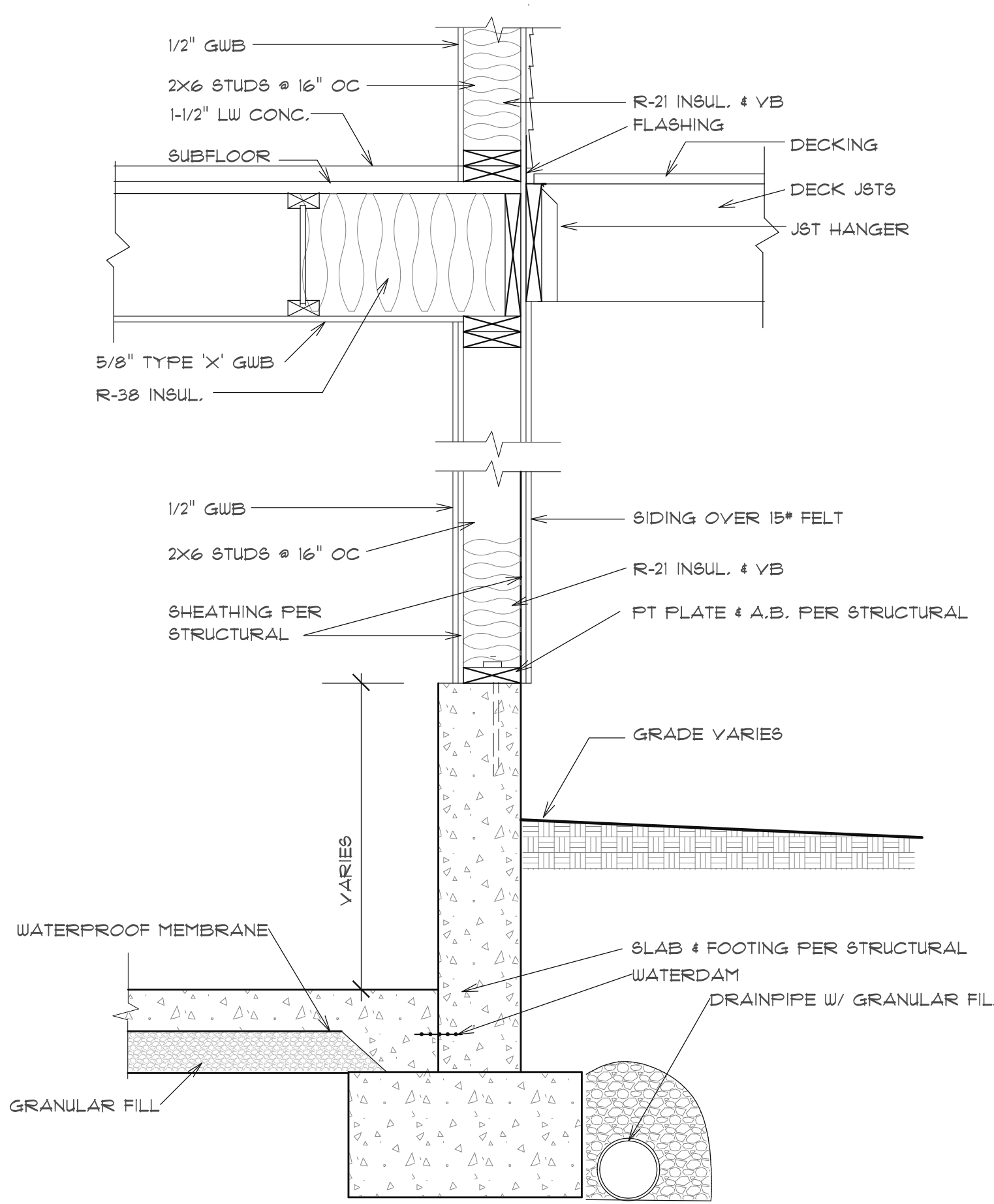
PROJECT NO.
 001

SHEET NO.

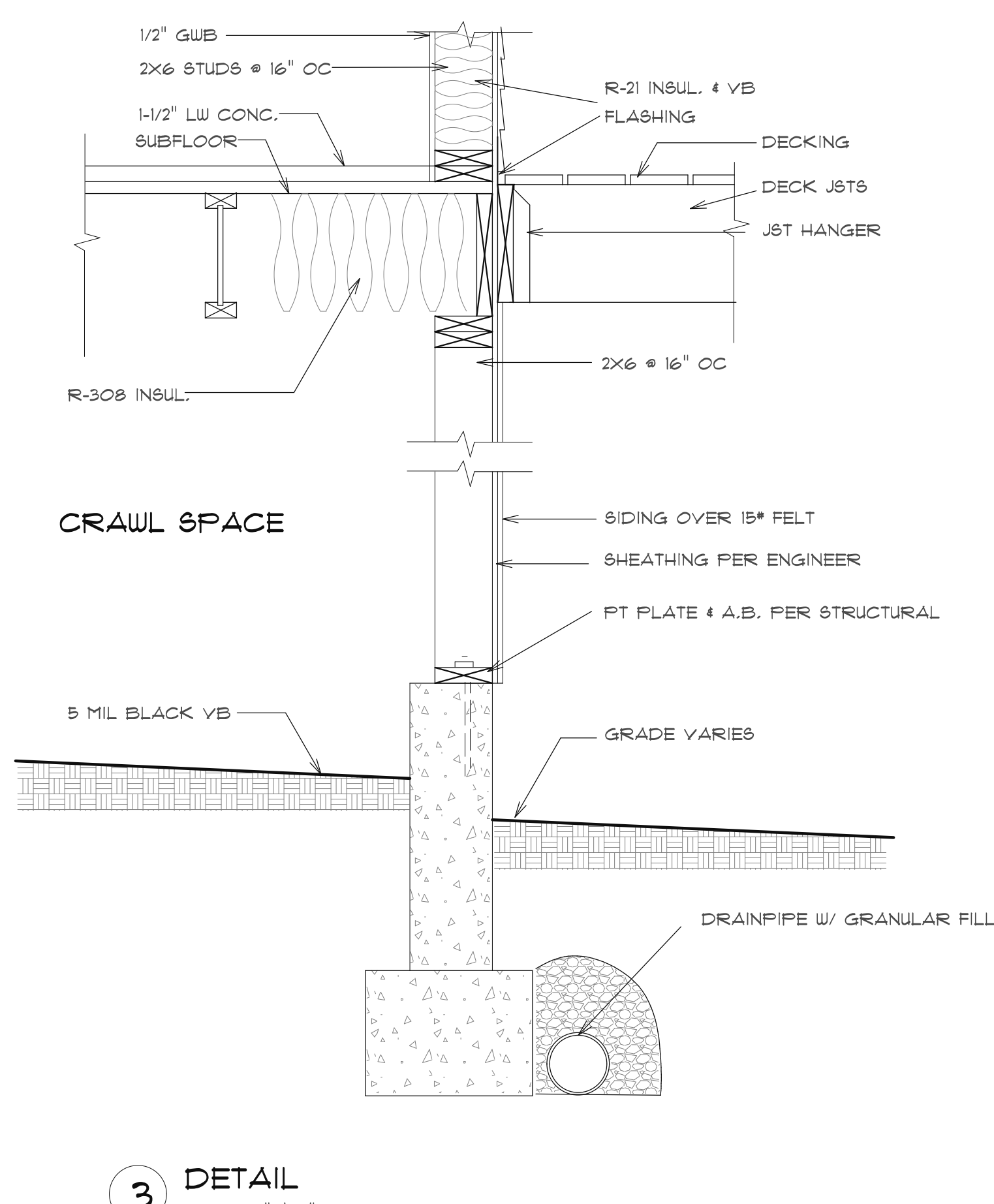
A4.4



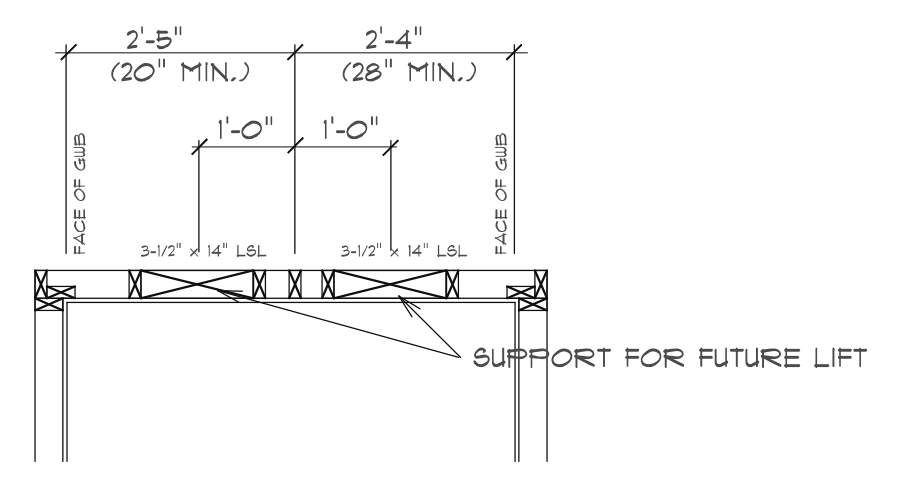
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SCALE: 1"=1'-0"



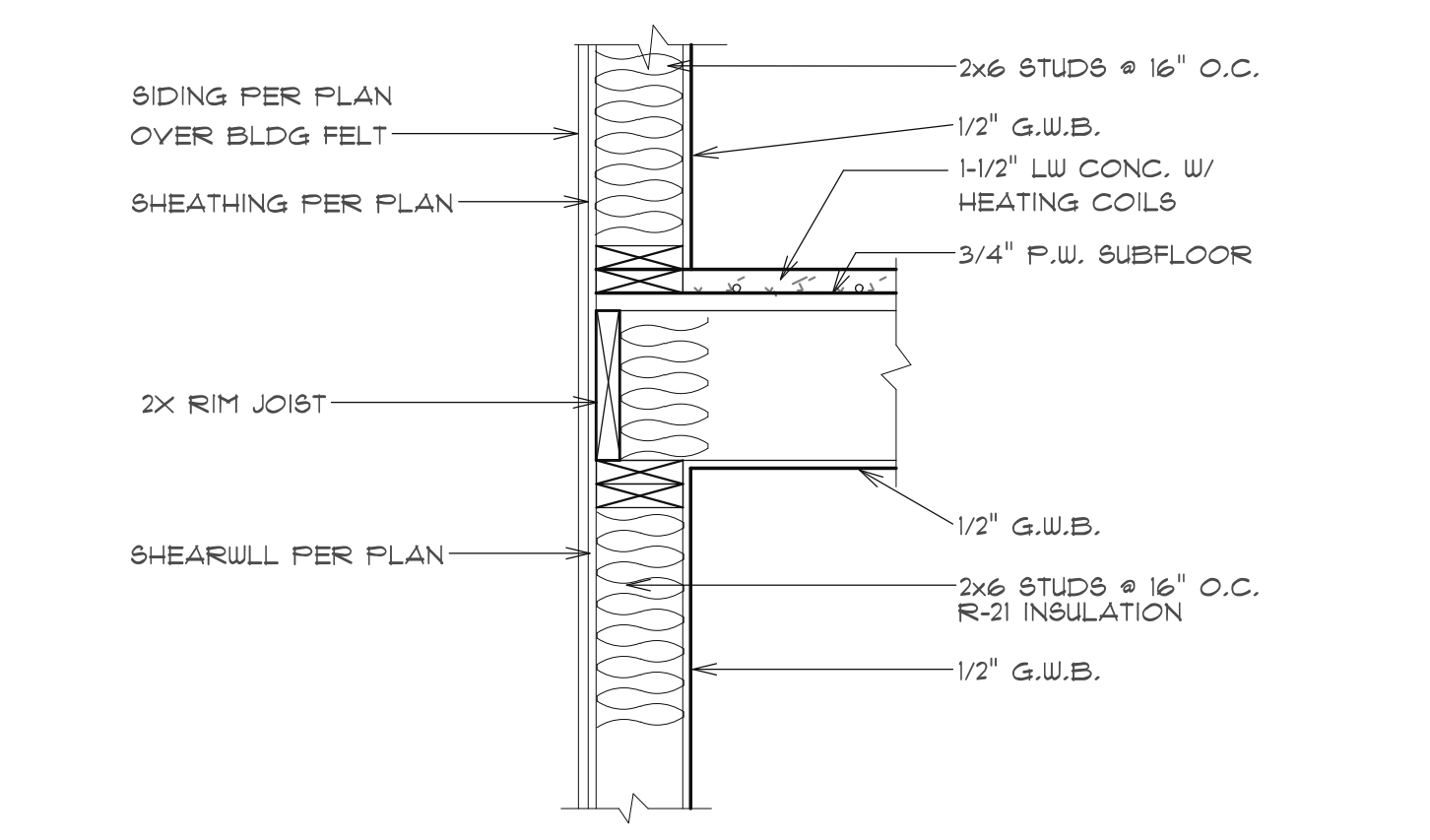
2 DETAIL
SCALE: 1"=1'-0"



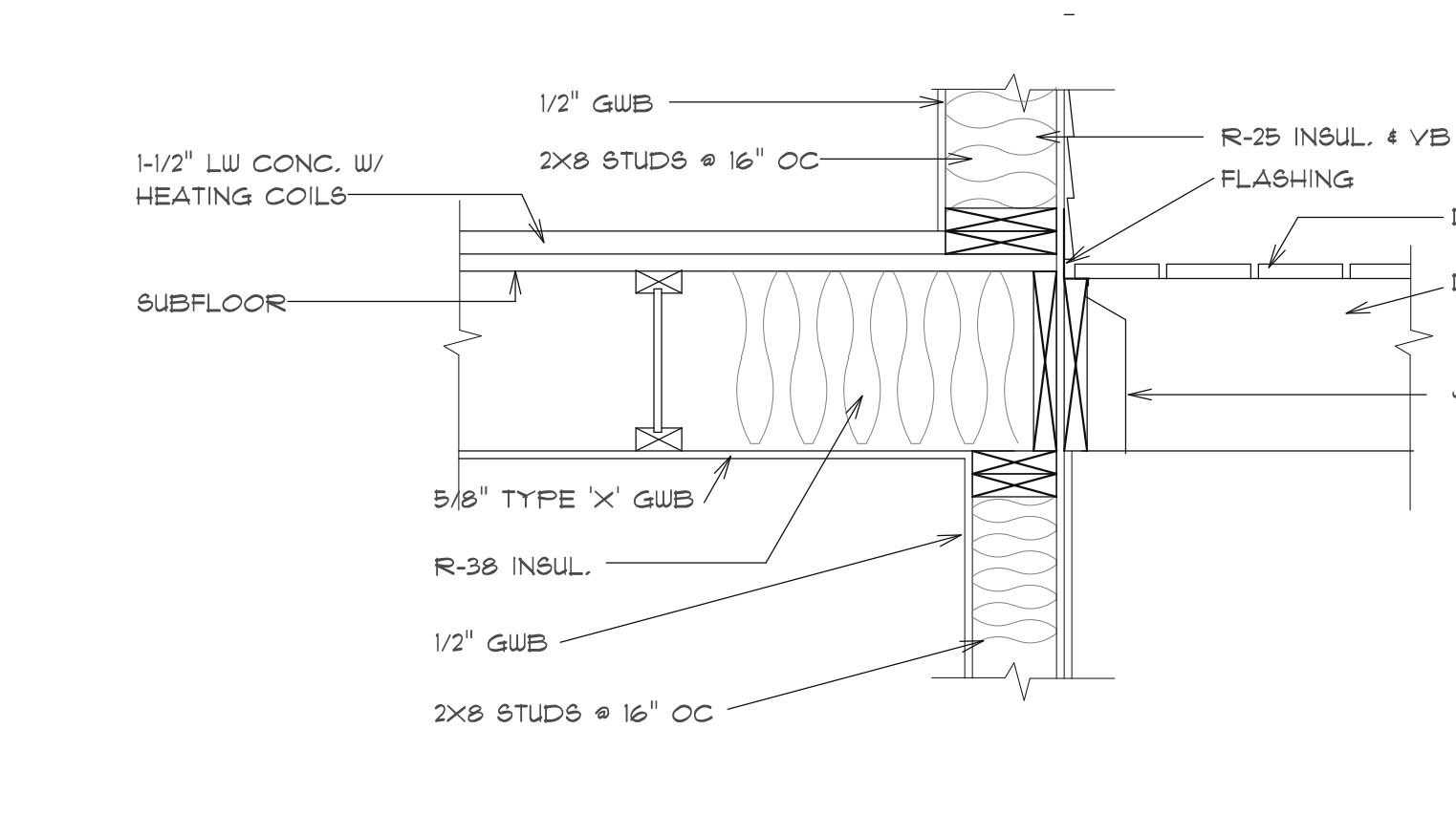
3 DETAIL
SCALE: 1"=1'-0"



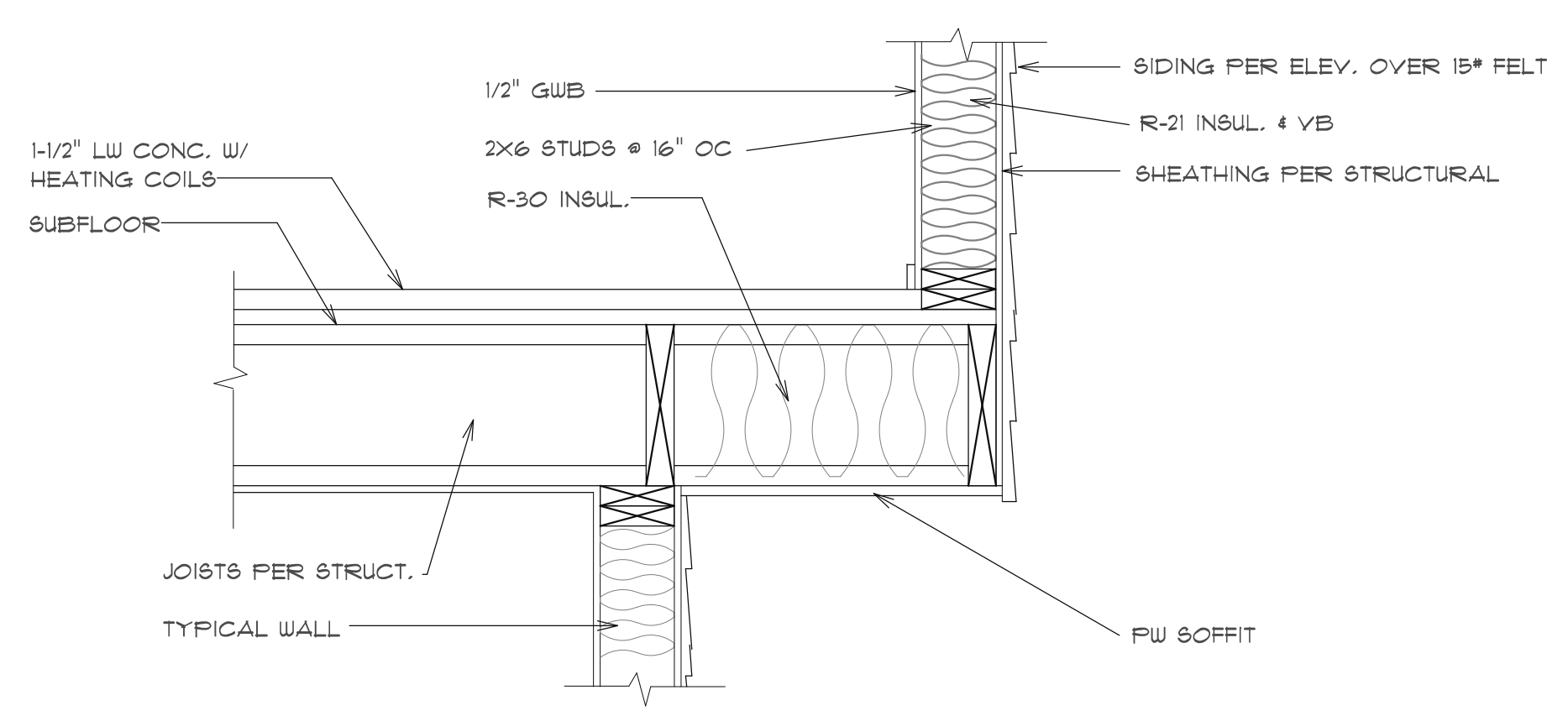
4 DETAIL
SCALE: 1/2"=1'-0"



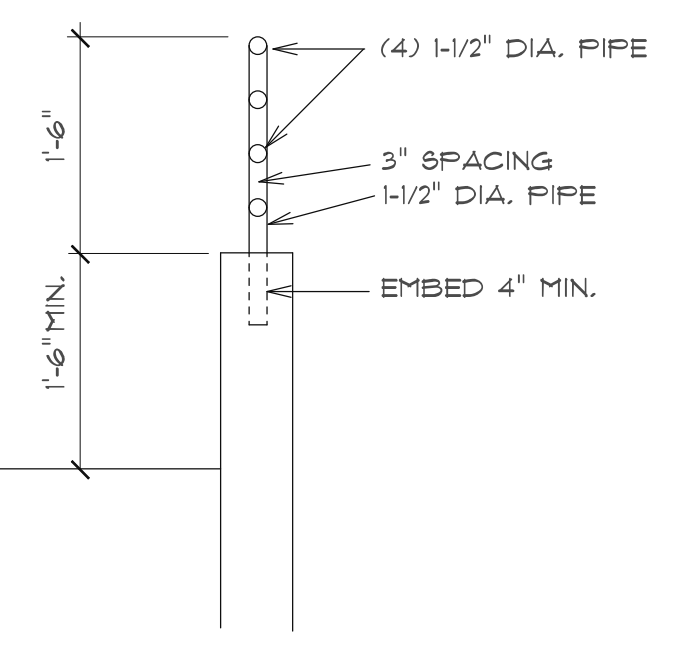
5 DETAIL
SCALE: 1"=1'-0"



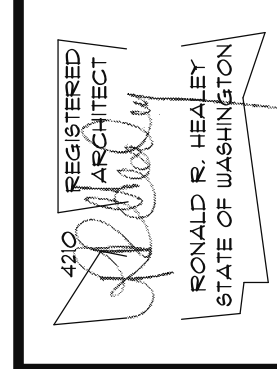
6 DETAIL
SCALE: 1"=1'-0"



9 DETAIL
SCALE: 1"=1'-0"



10 DETAIL
SCALE: 1"=1'-0"



THE HEALEY ALLIANCE AZ
3905 N. 195th DRIVE, GOODPASTER, AZ 85395 - (480) 444-6868
ARCHITECTS

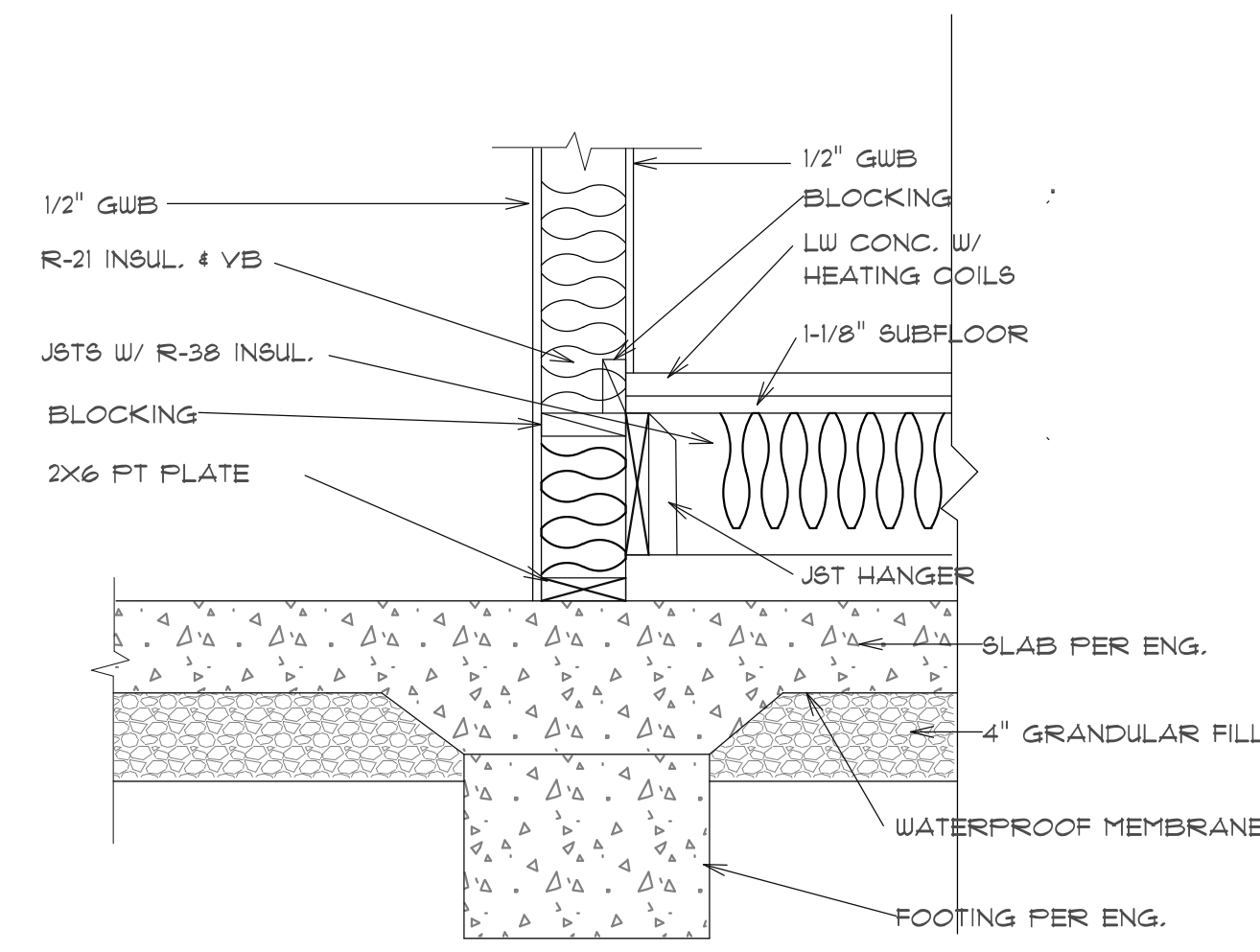
M1 Treehouse, LLC,
5631 EAST MERCER WAY
MERCER ISLAND, WA.

DETAILS

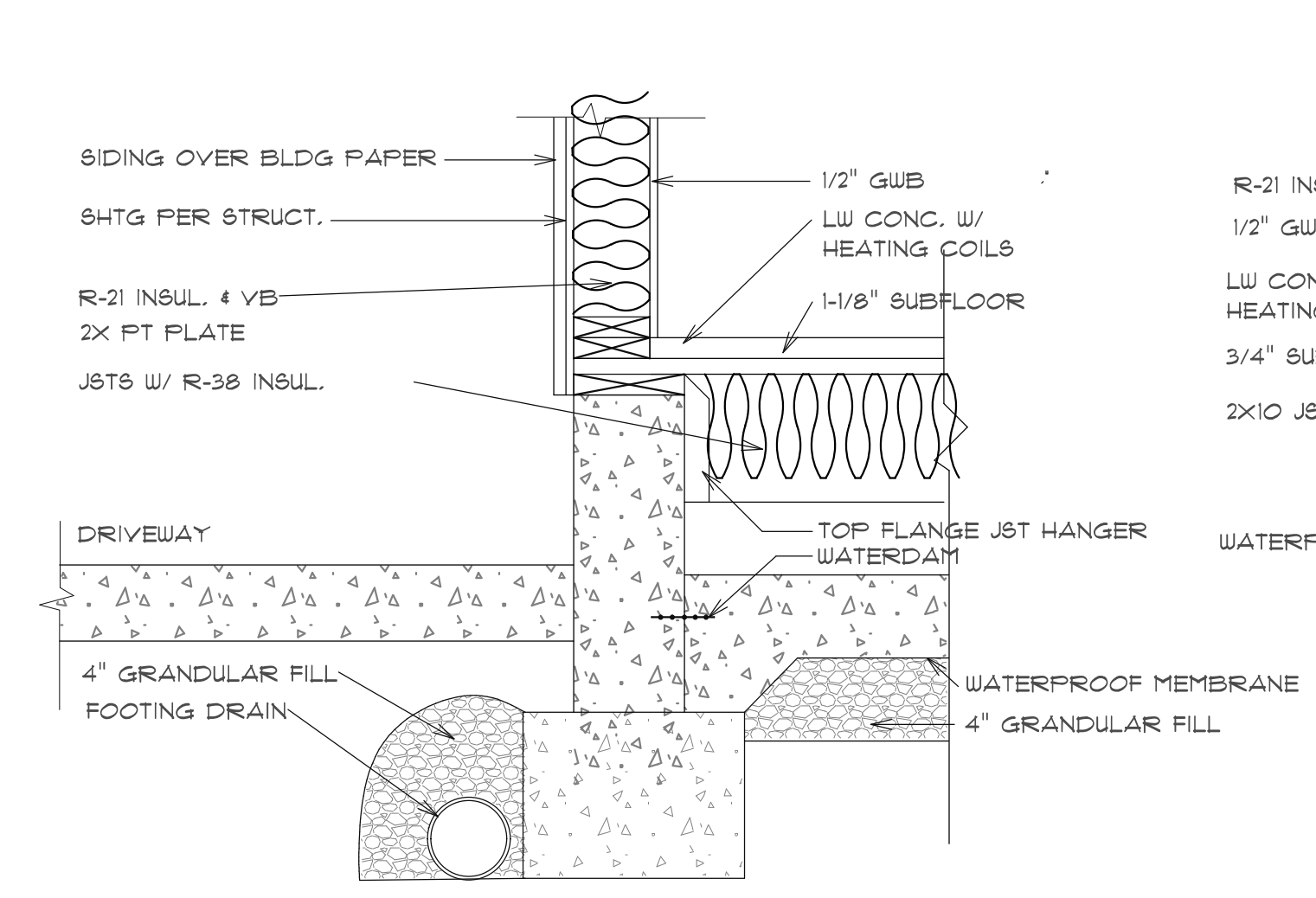
DATE
4-13-2022
10-5-2022

PROJECT NO.
001

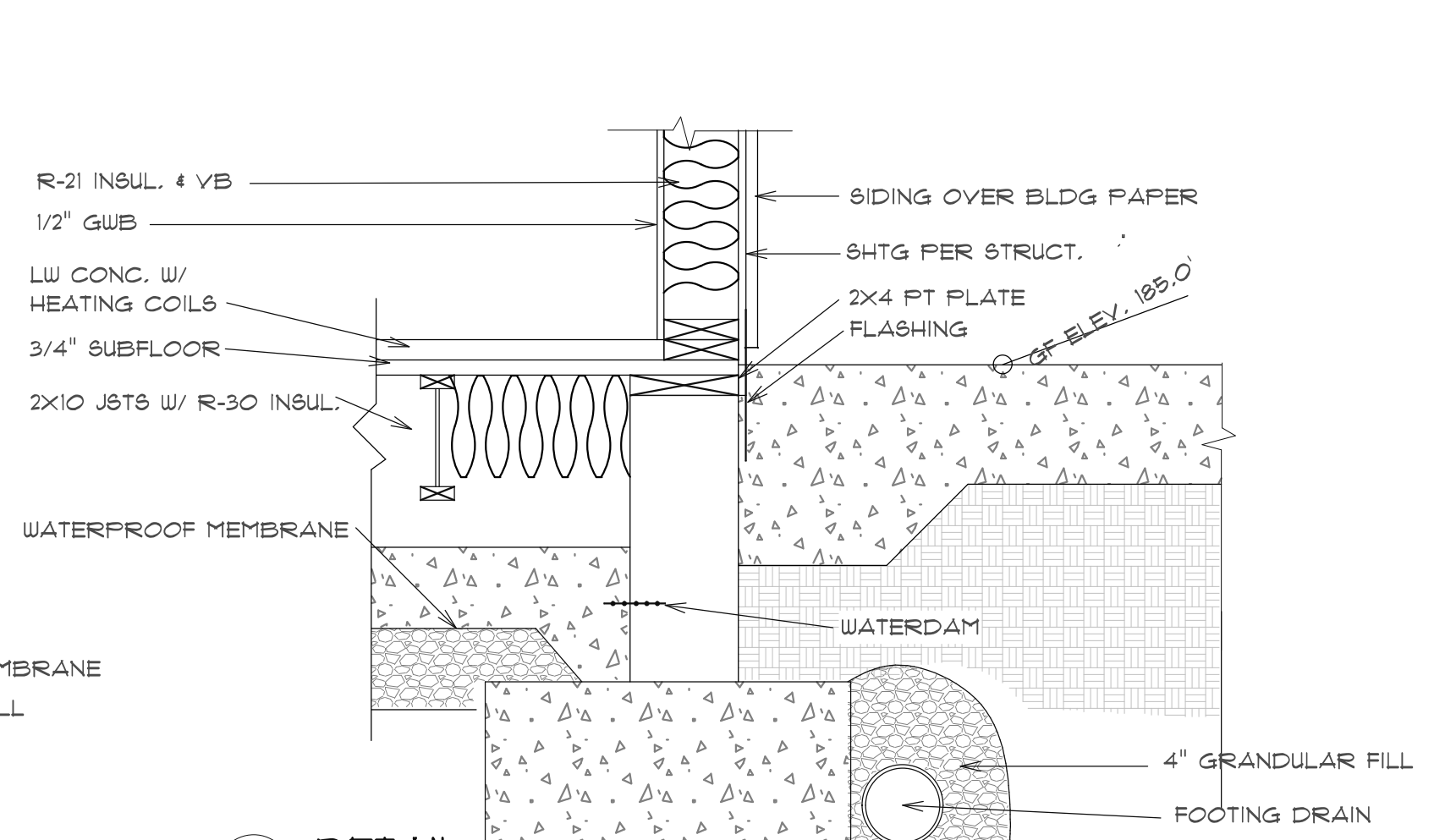
SHEET NO.
A5.2



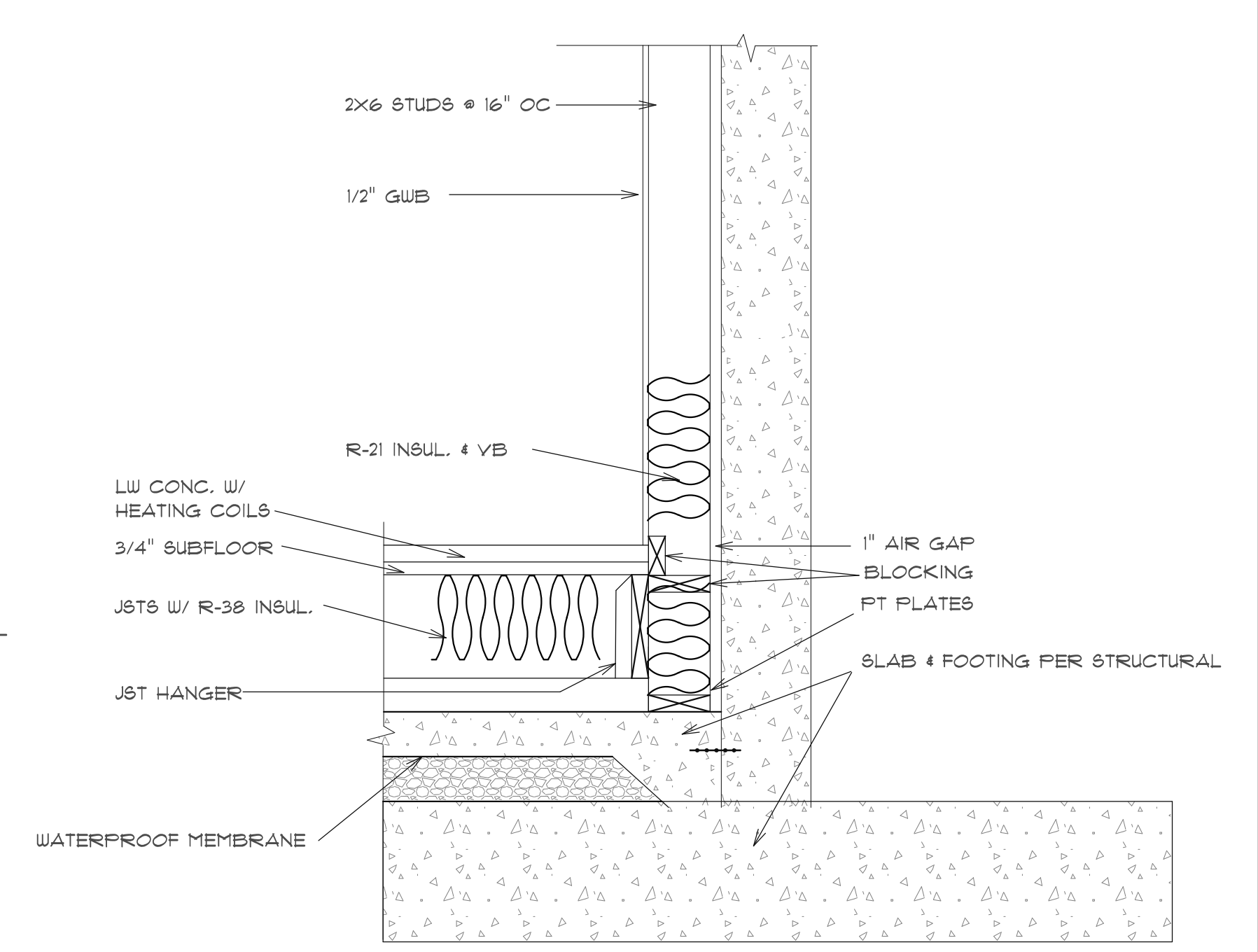
1 DETAIL
SCALE: 1"=1'-0"



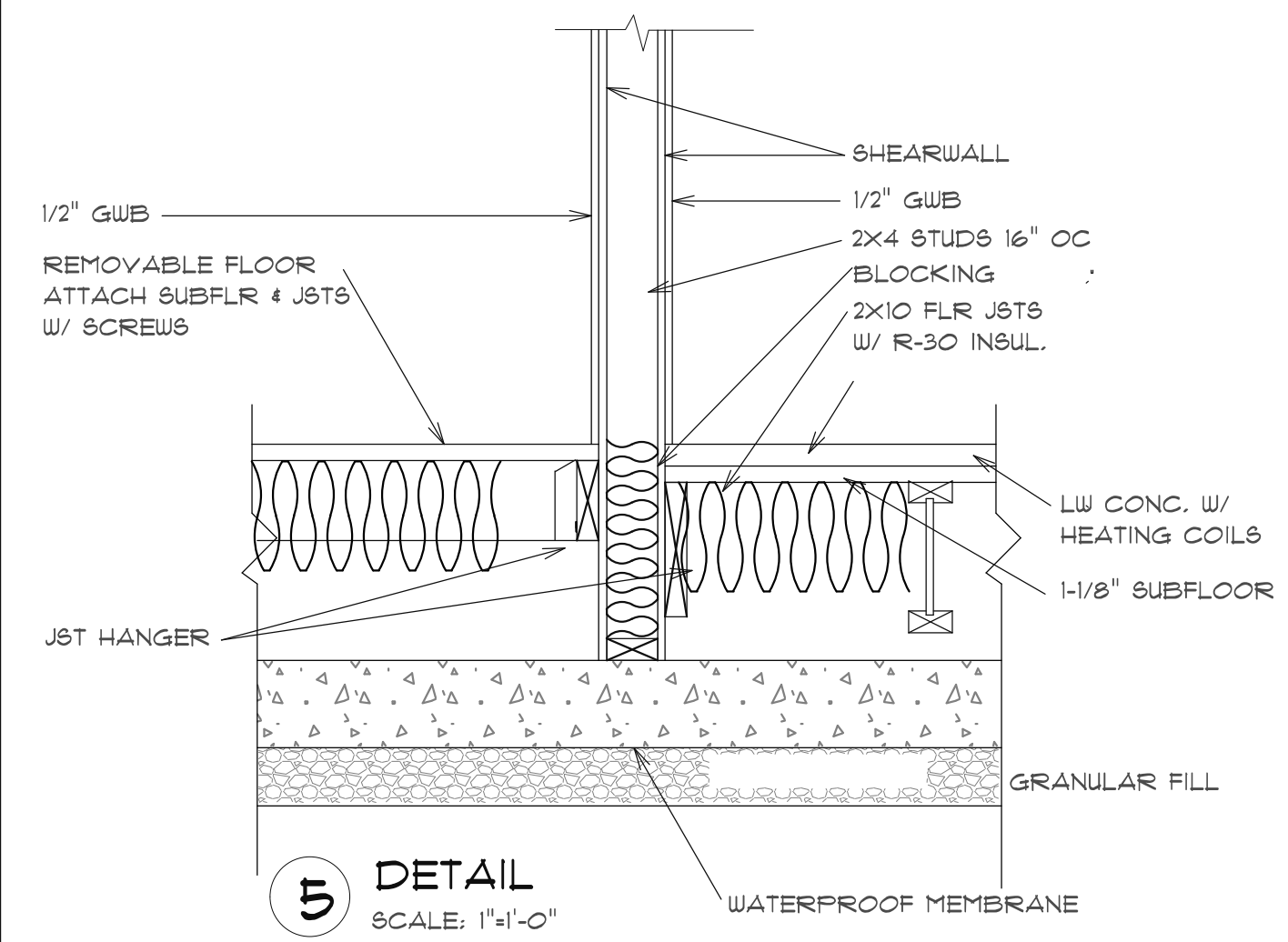
2 DETAIL
SCALE: 1"=1'-0"



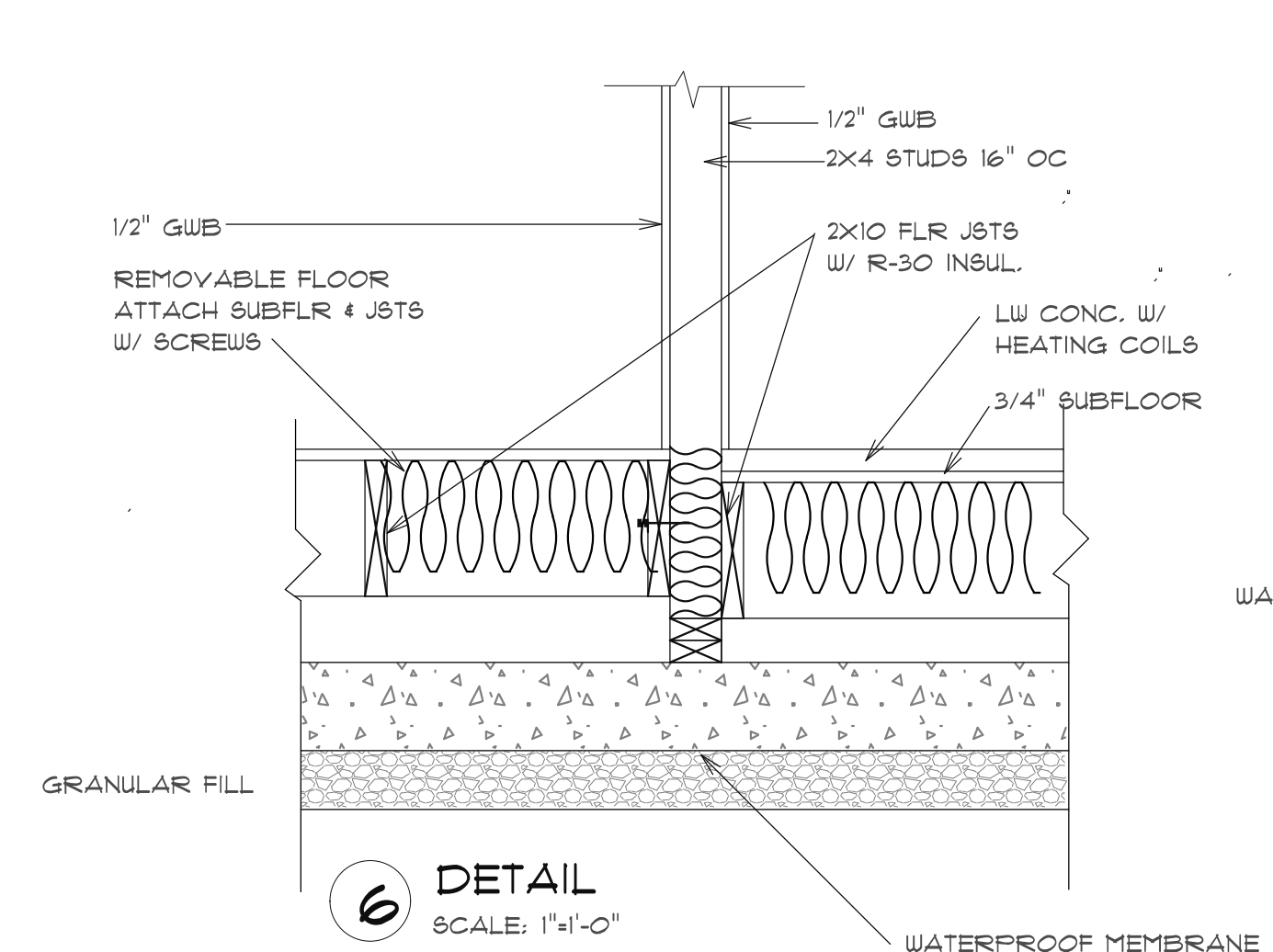
3 DETAIL
SCALE: 1"=1'-0"



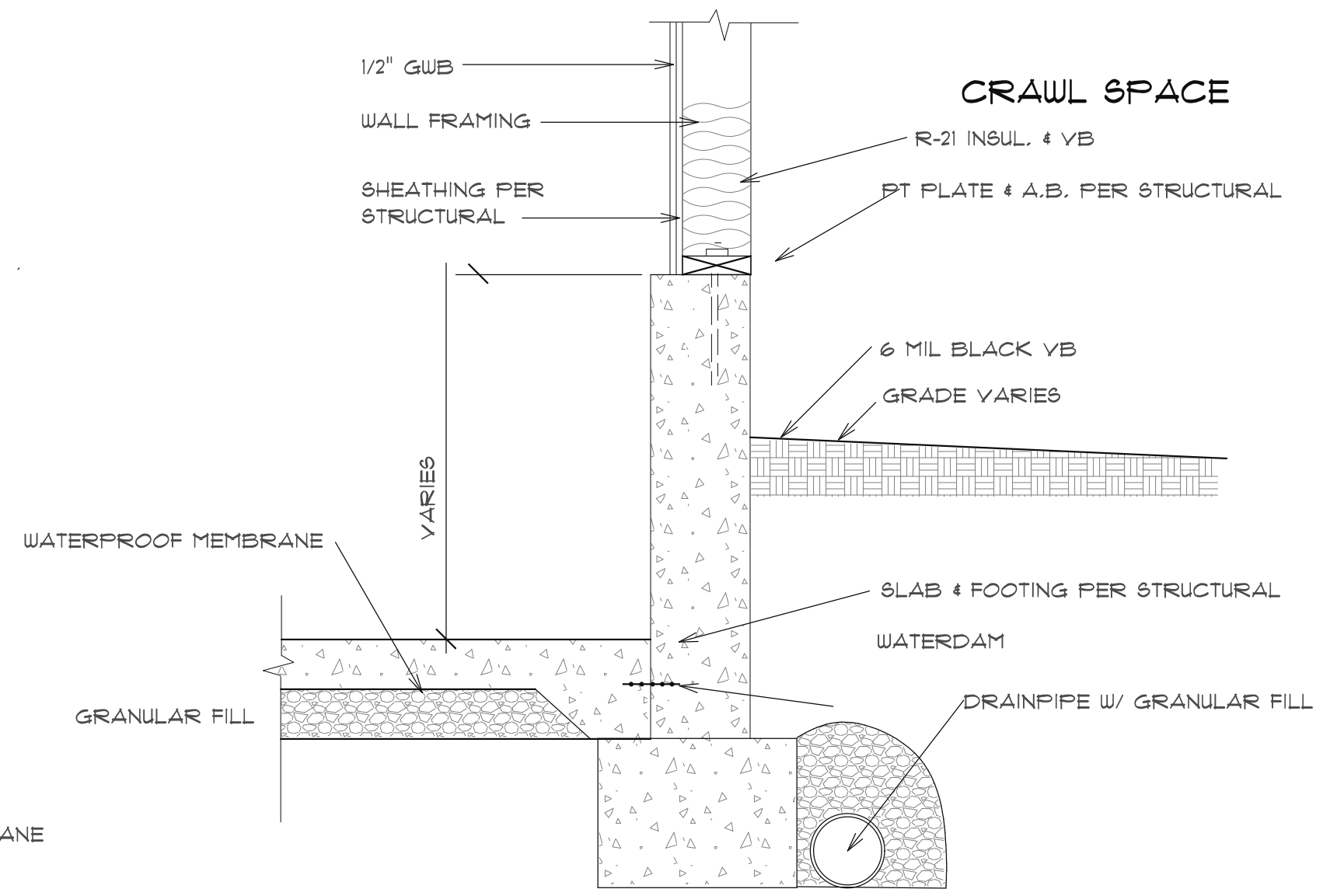
4 DETAIL
SCALE: 1"=1'-0"



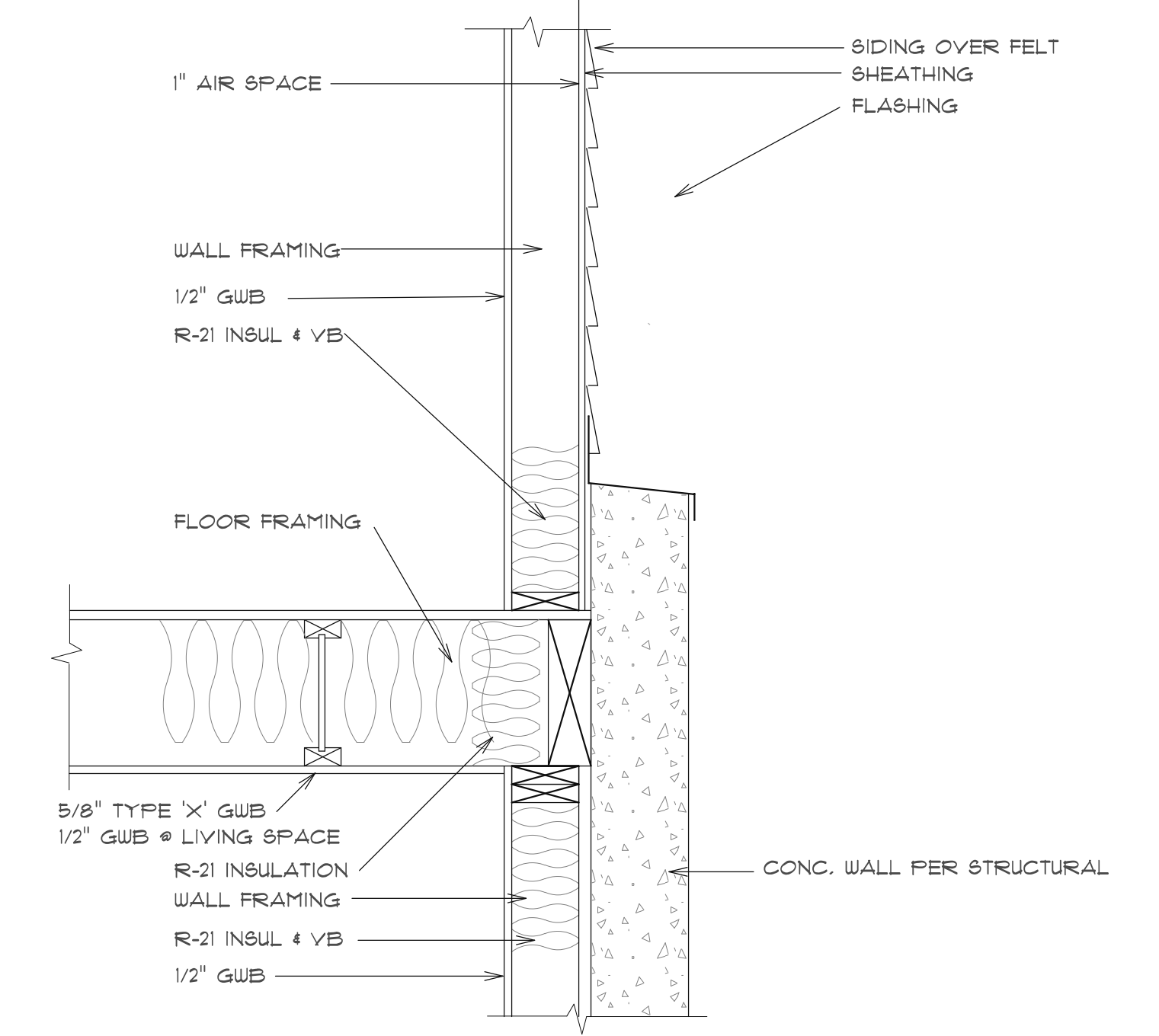
5 DETAIL
SCALE: 1"=1'-0"



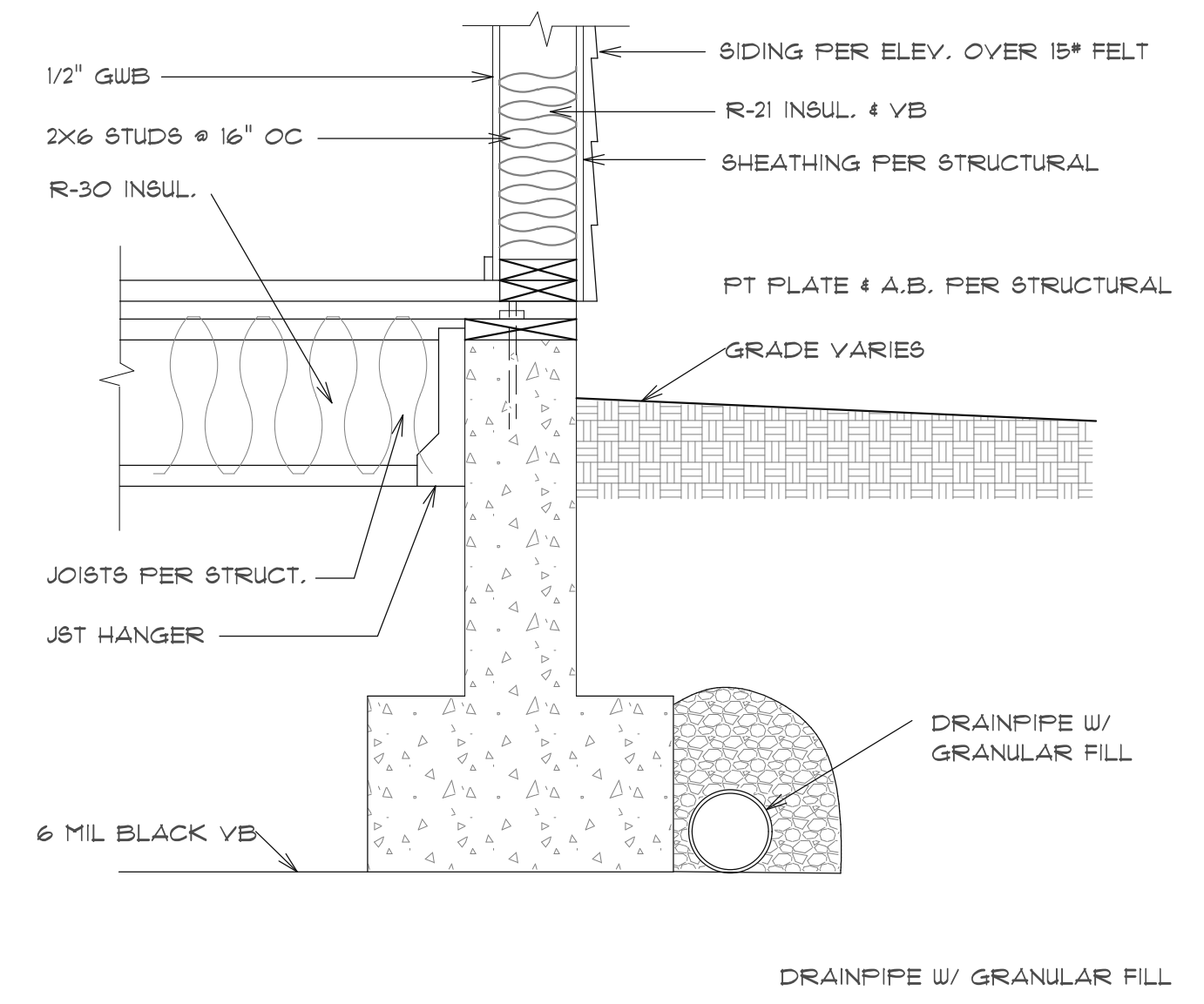
6 DETAIL
SCALE: 1"=1'-0"



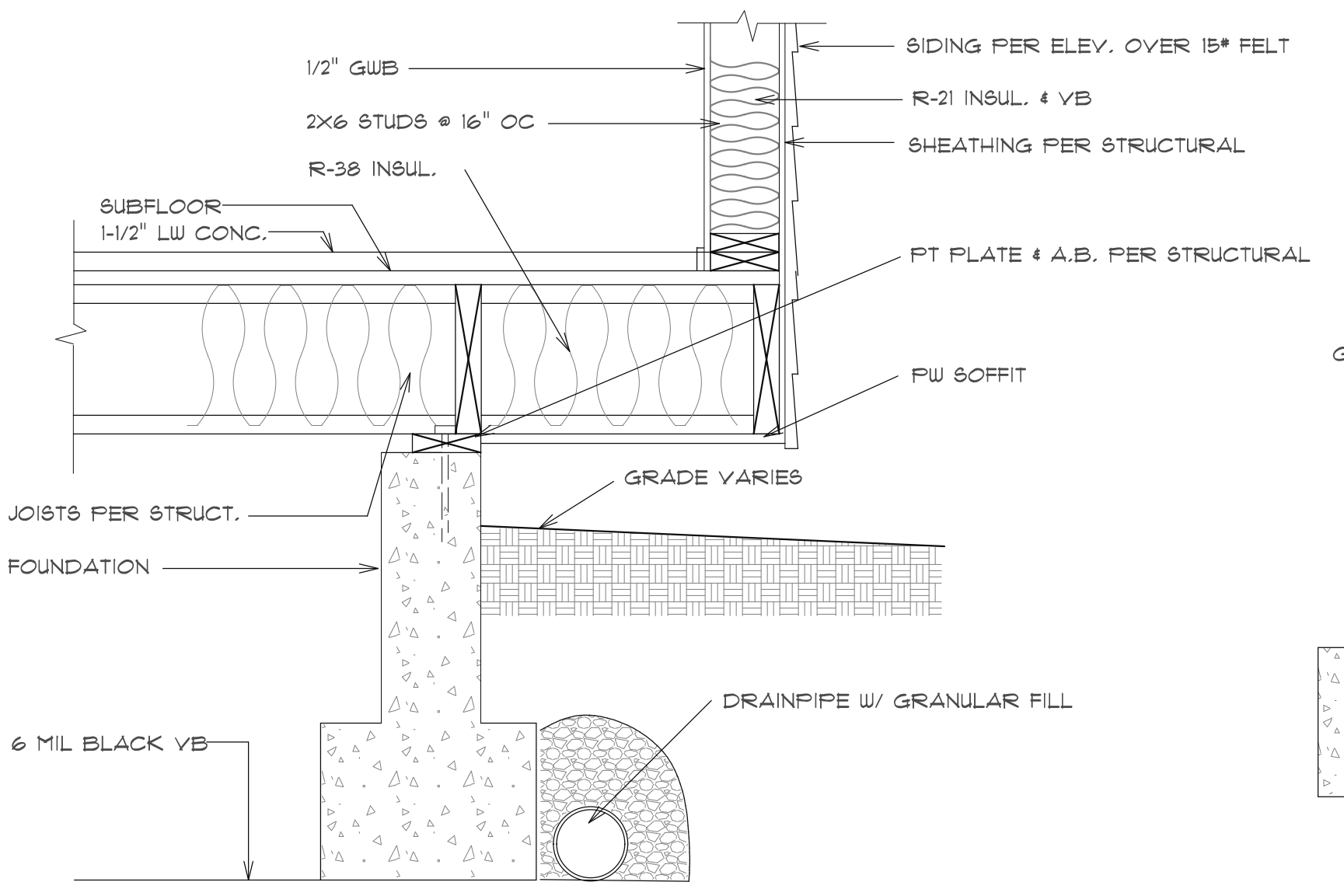
7 DETAIL
SCALE: 1"=1'-0"



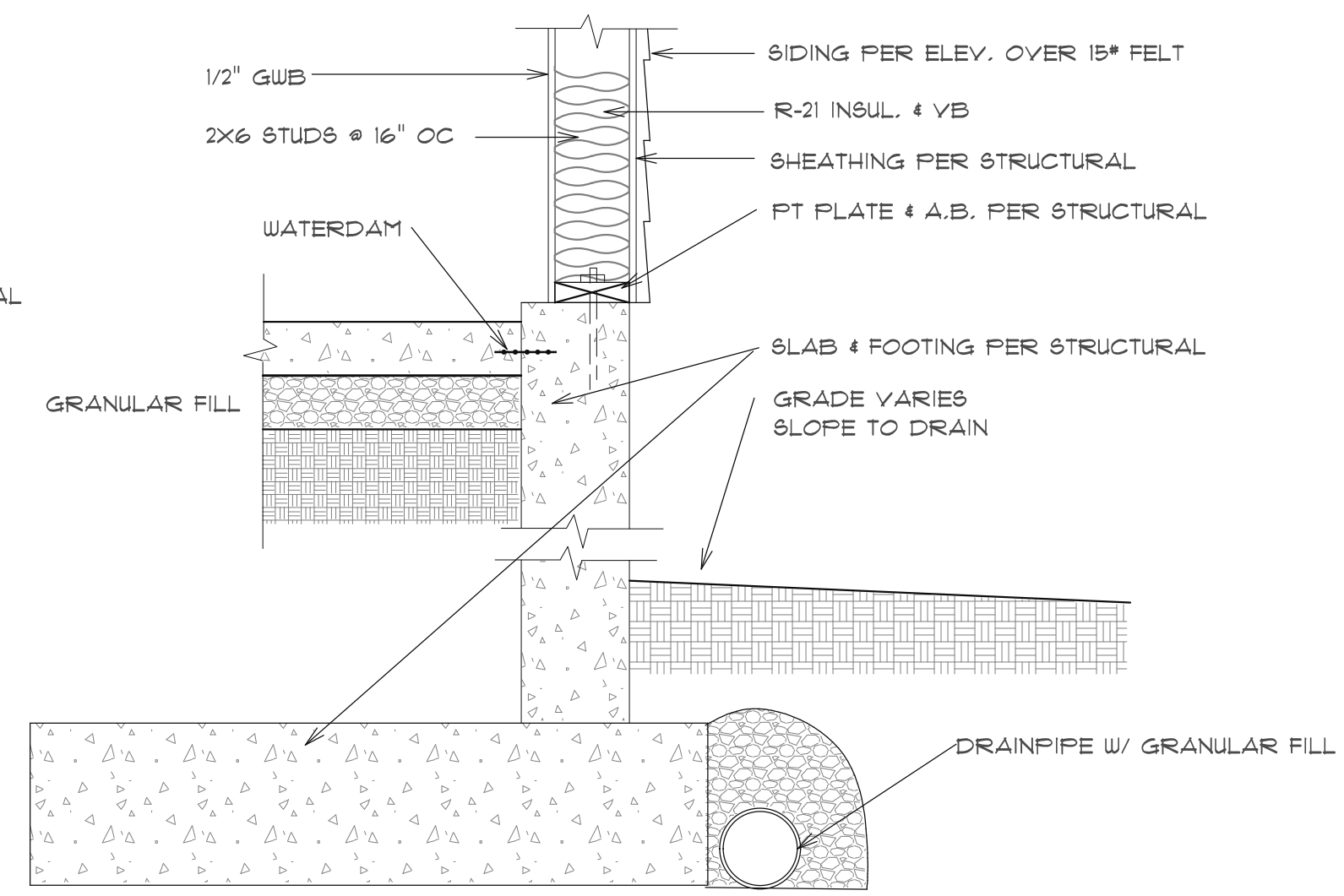
8 DETAIL
SCALE: 1"=1'-0"



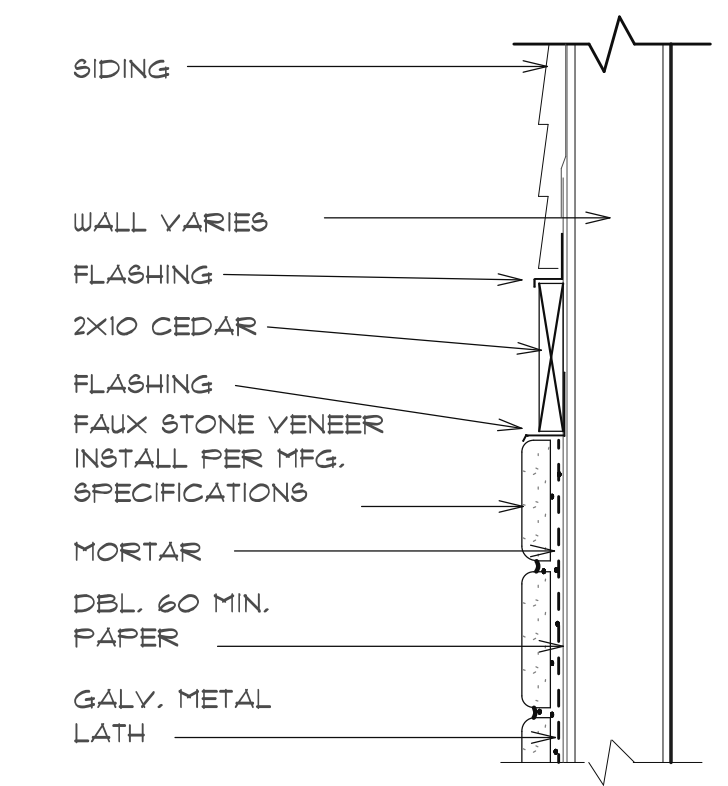
9 DETAIL
SCALE: 1"=1'-0"



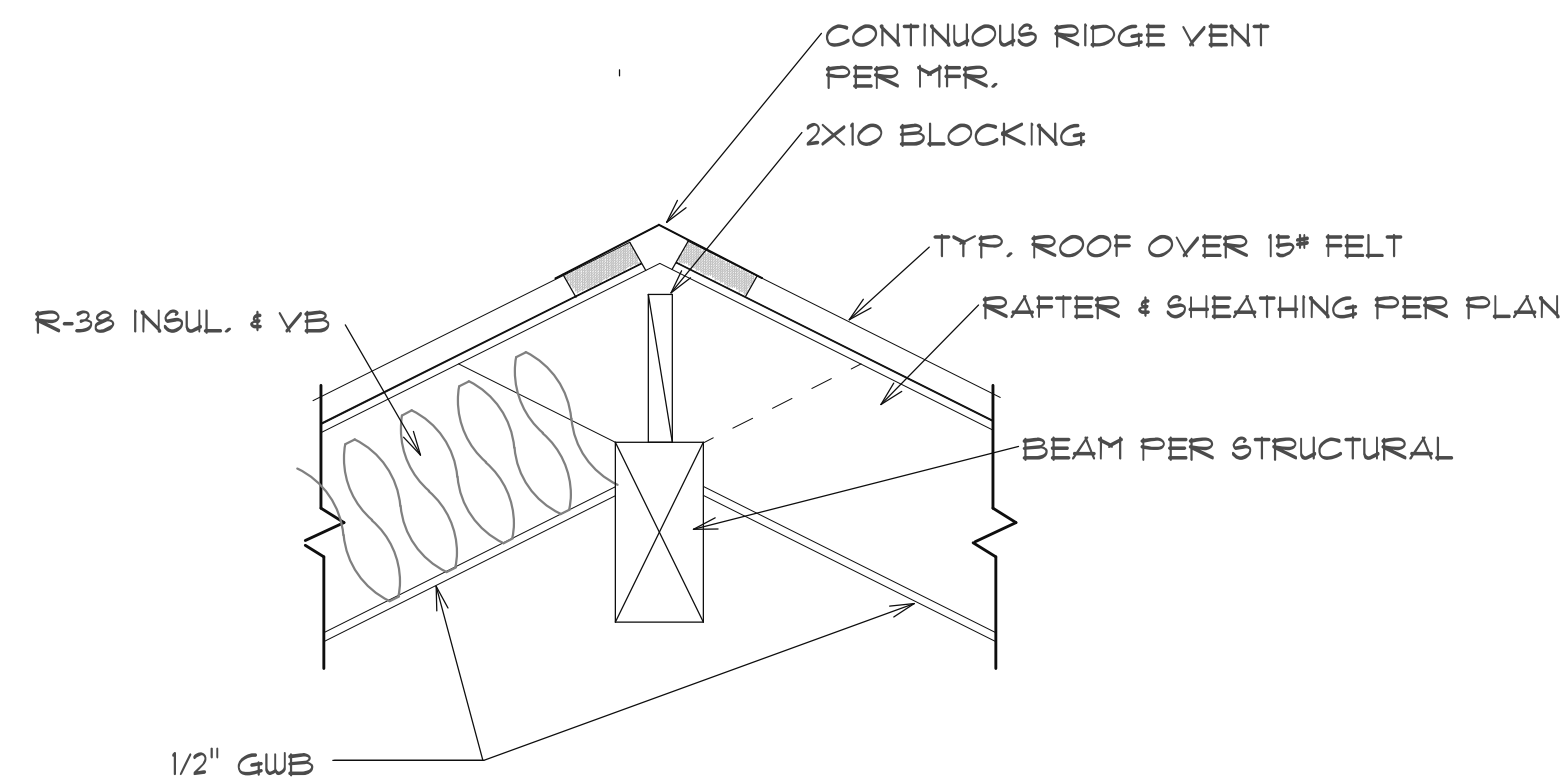
10 DETAIL
SCALE: 1"=1'-0"



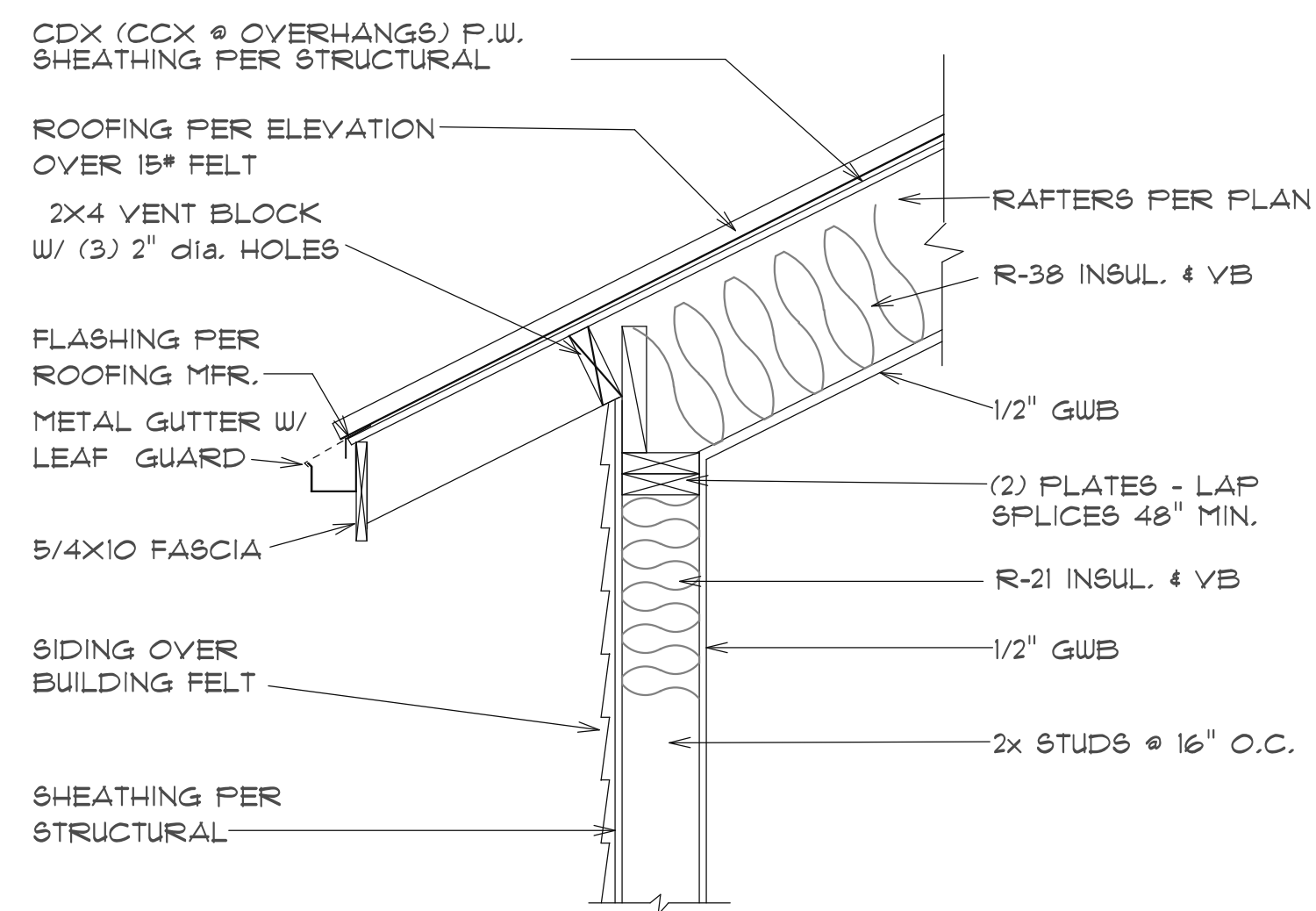
11 DETAILS
SCALE: 1"=1'-0"



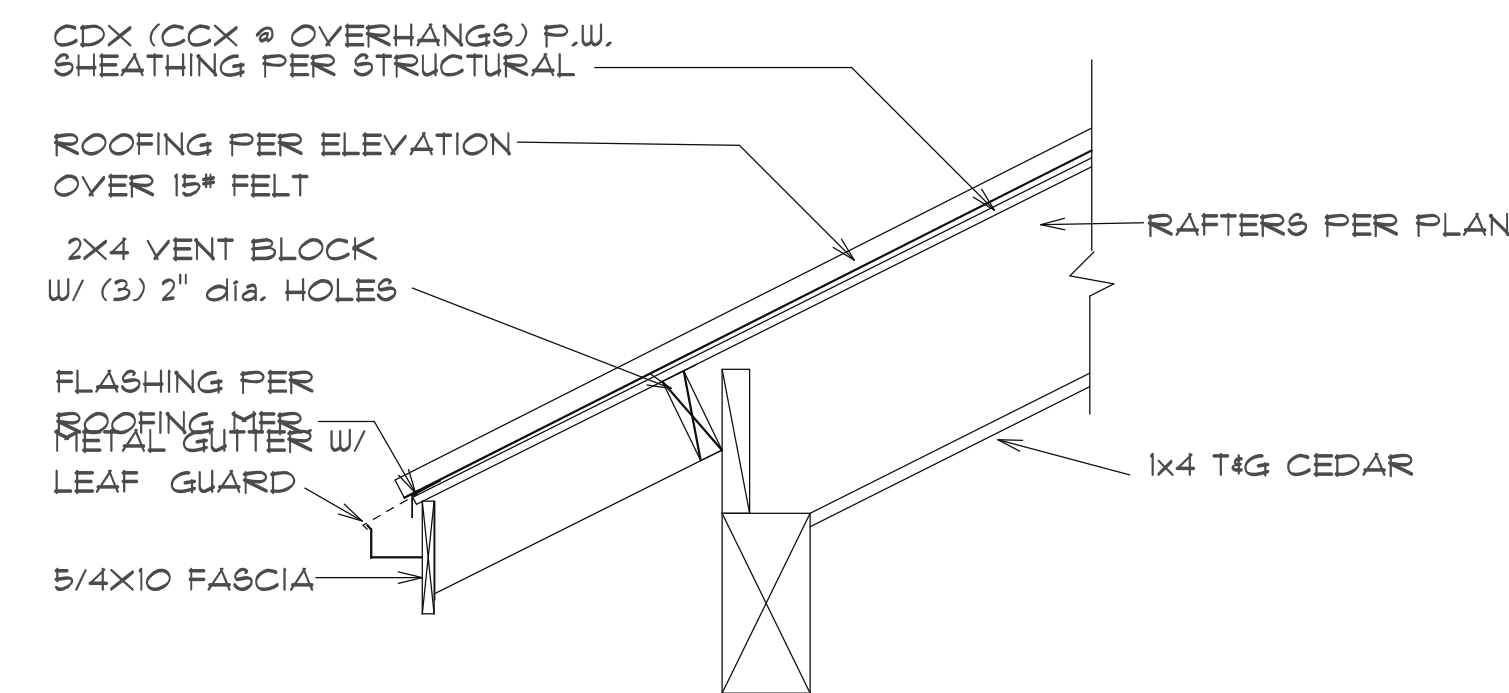
12 WALL VENEER DETAILS
SCALE: 1"=1'-0"



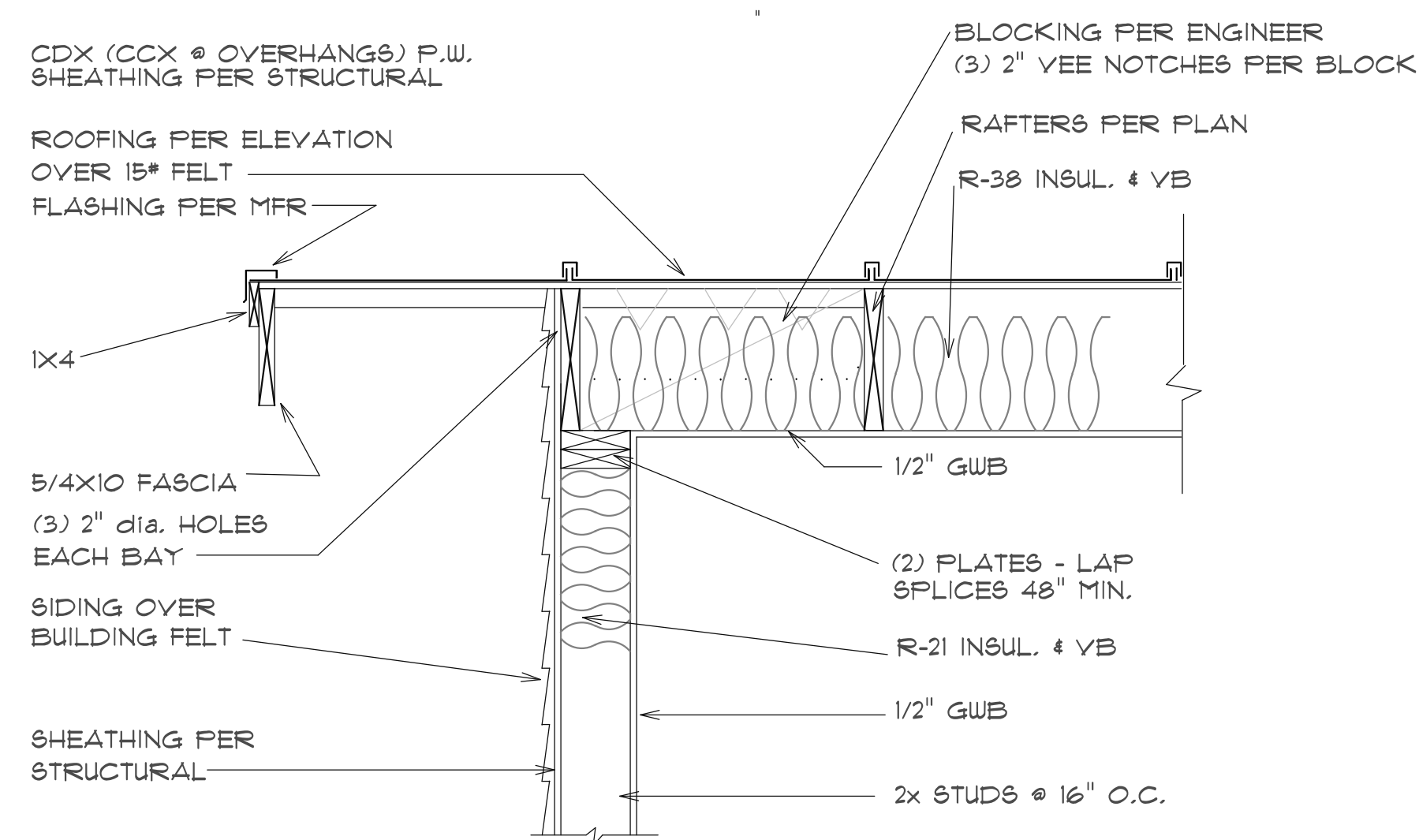
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SCALE: 1"=1'-0"



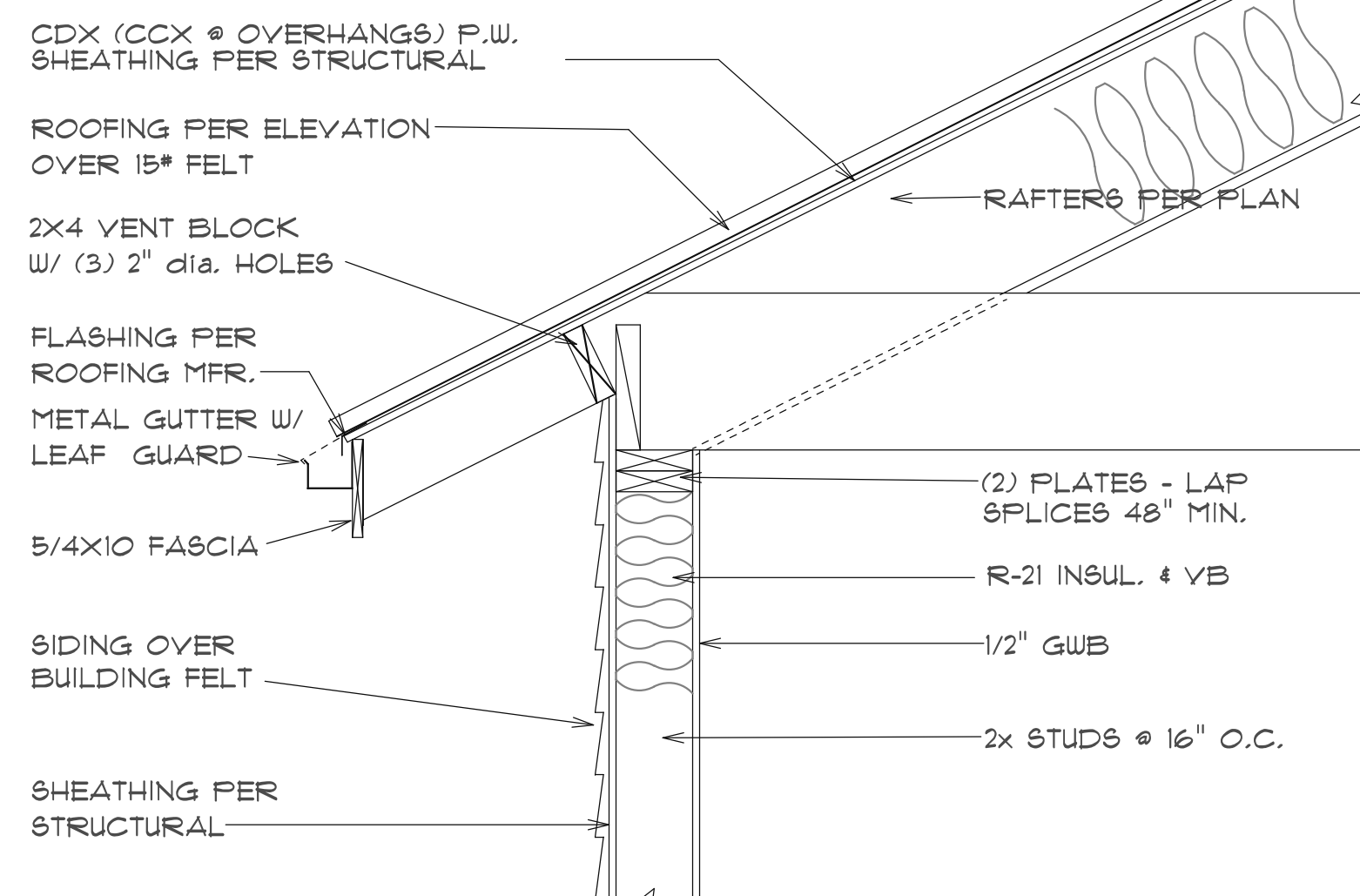
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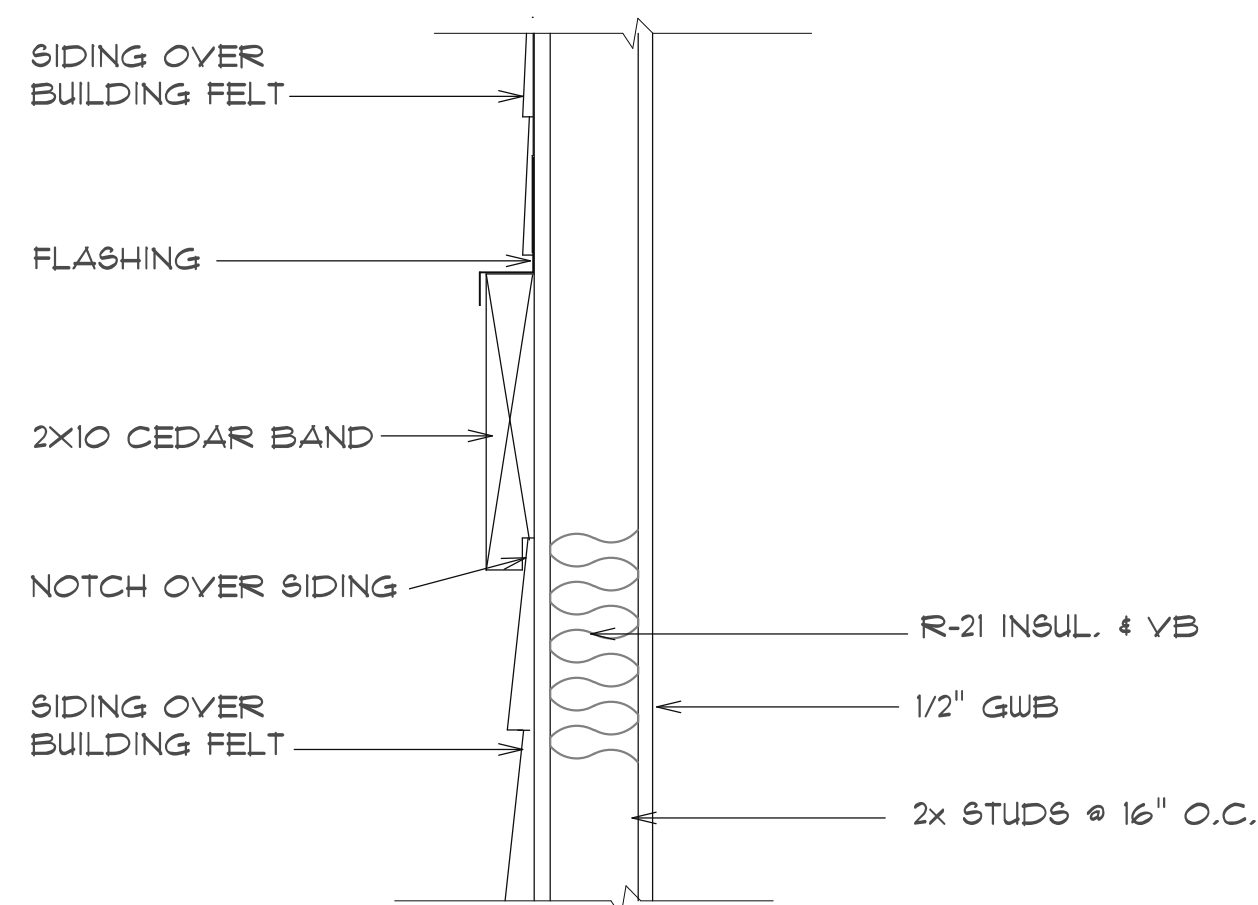
3 DETAIL
SCALE: 1"=1'-0"



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



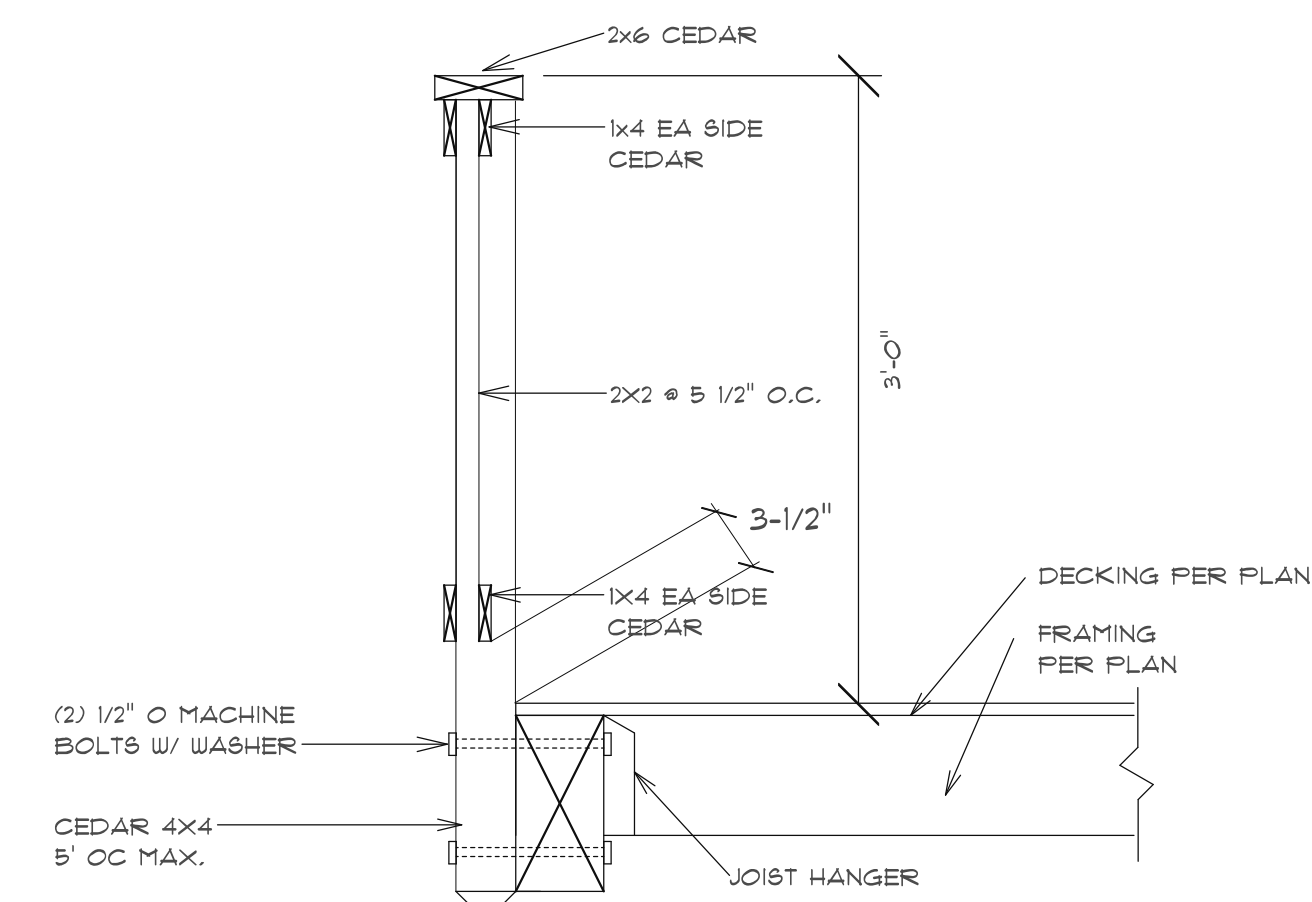
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SCALE: 1"=1'-0"



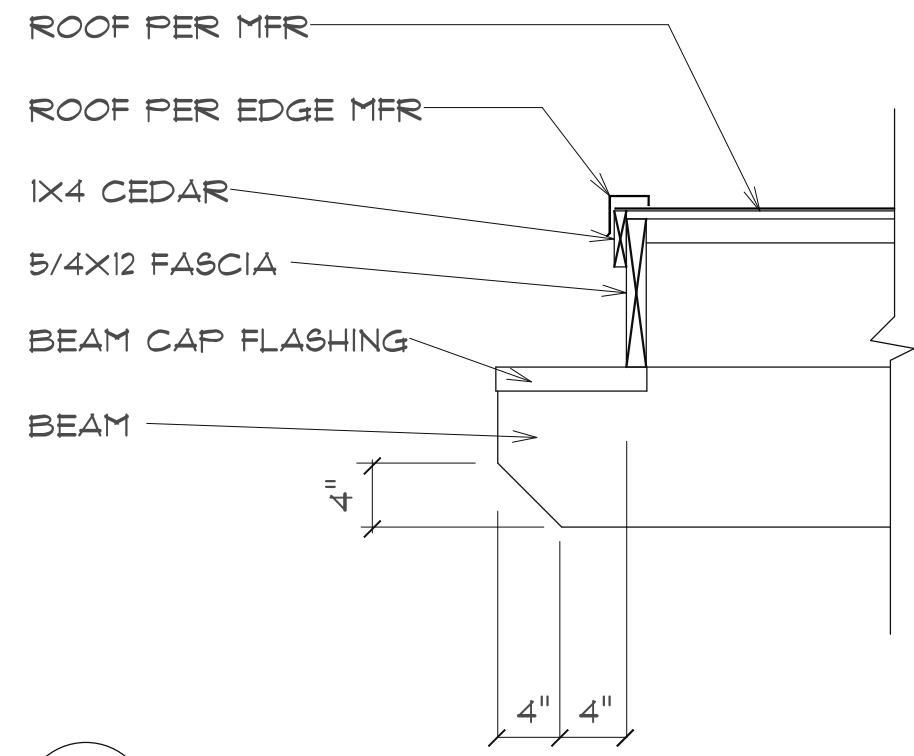
6 DETAIL
SCALE: 1"=1'-0"



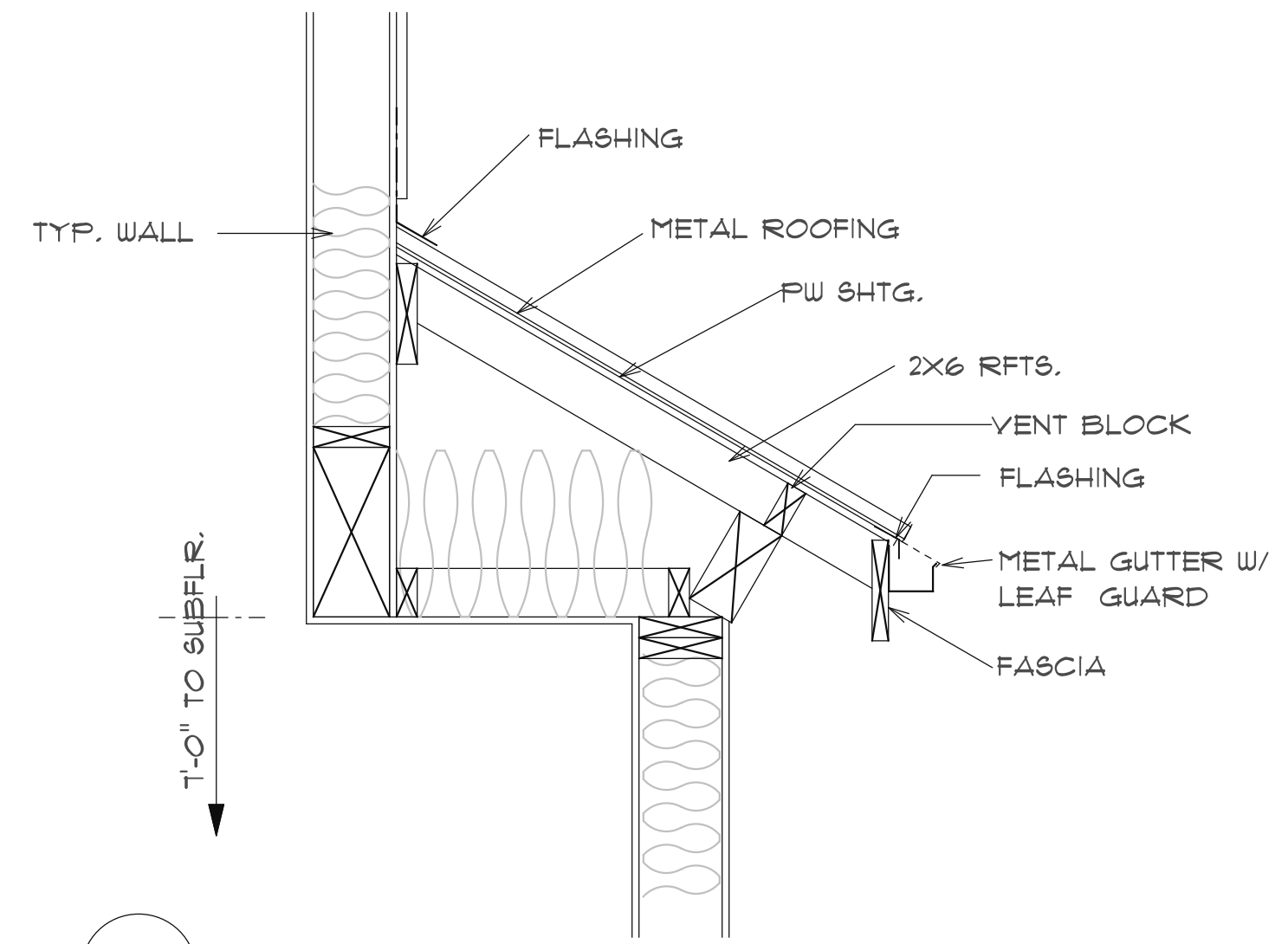
7 DETAIL
SCALE: 1"=1'-0"



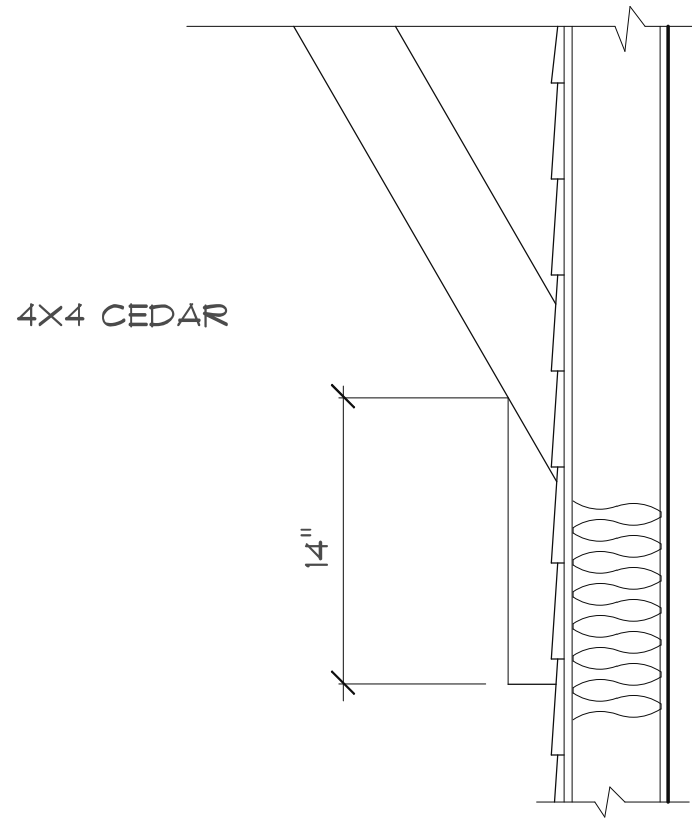
8 DECK RAILING
SCALE: 1"=1'-0"



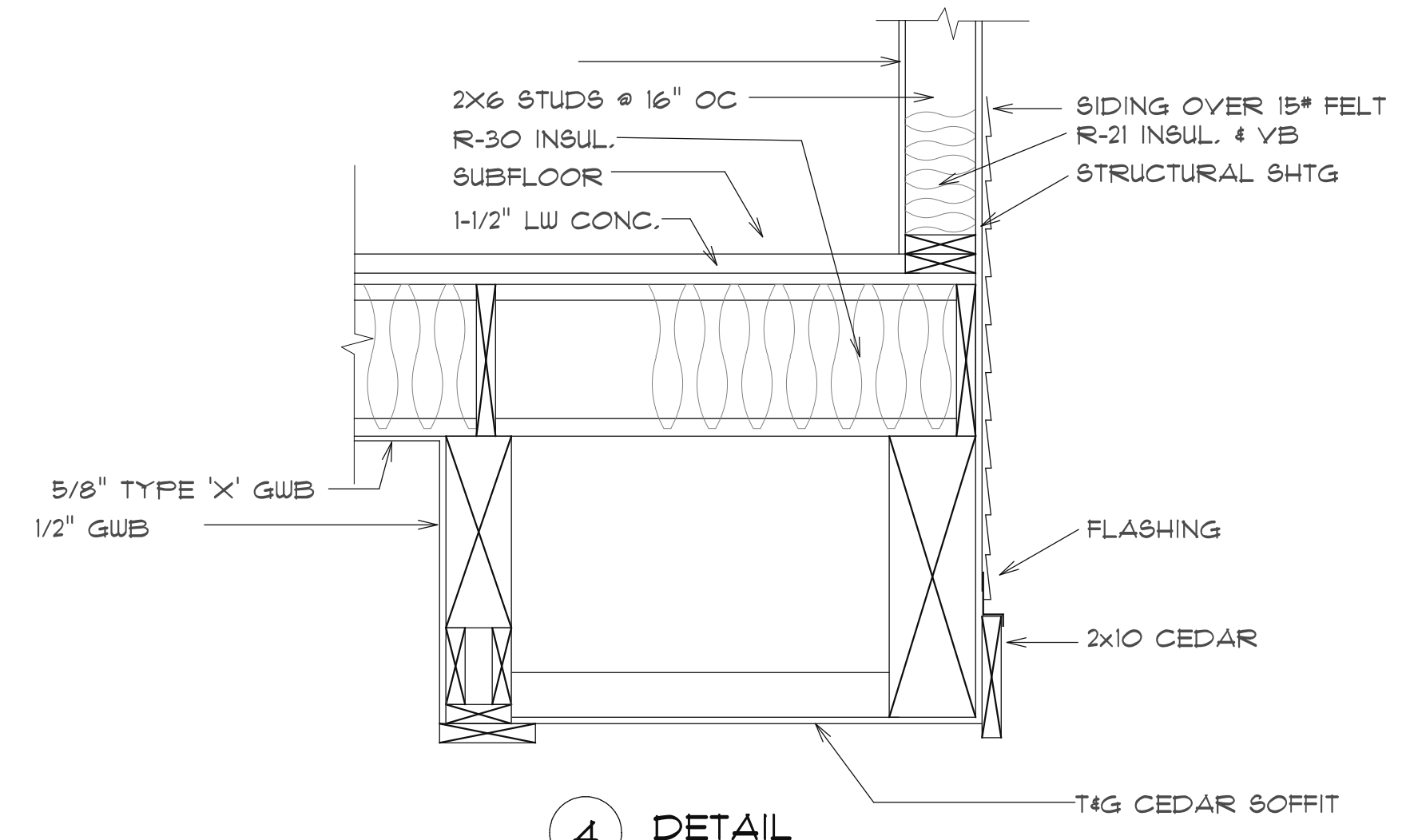
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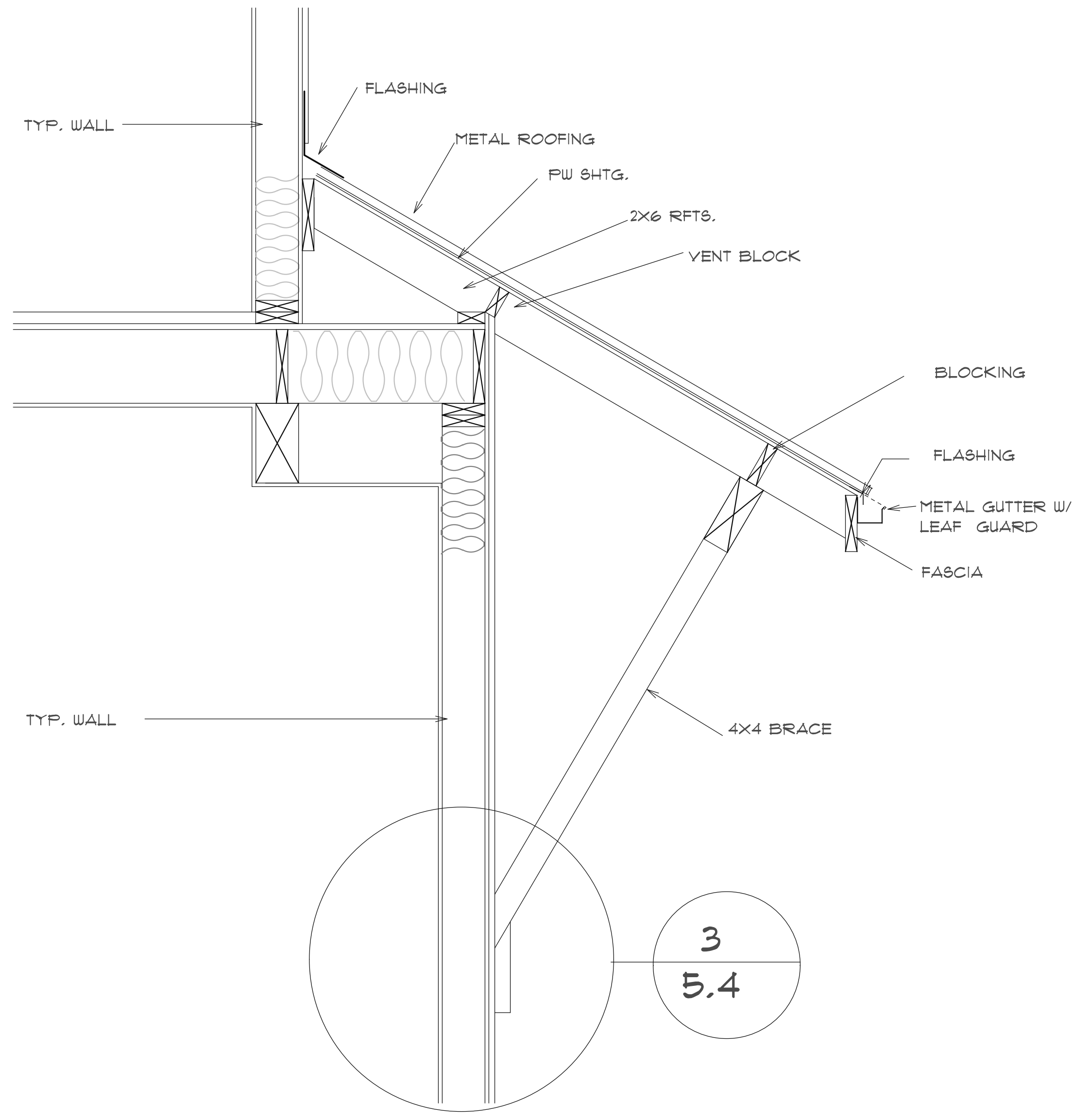
2 DETAIL
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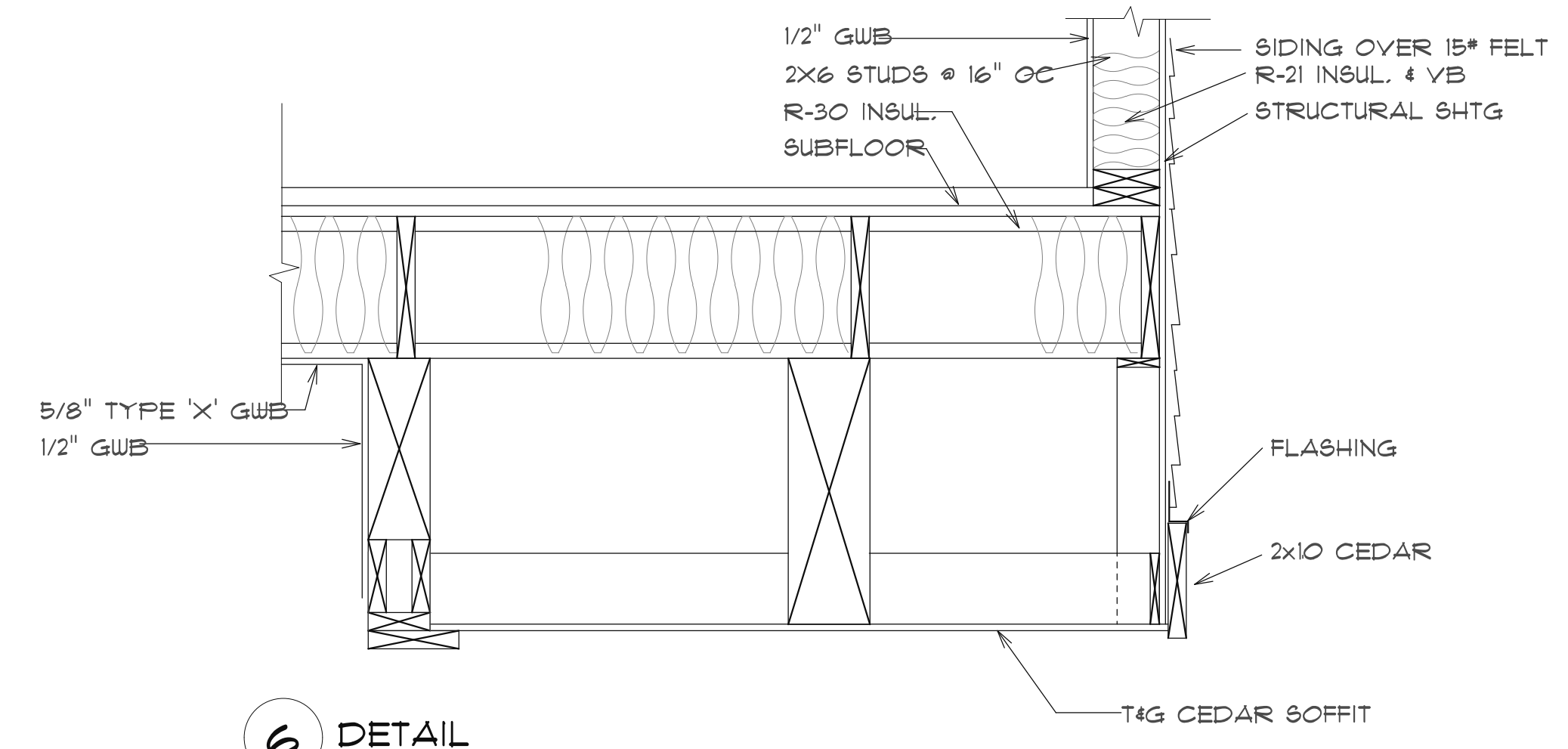
3 DETAIL
SCALE: 1"=1'-0"



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

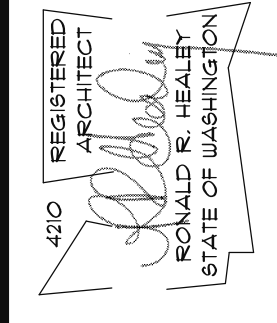


5 DETAIL
SCALE: 1"=1'-0"



6 DETAIL
SCALE: 1"=1'-0"

3
5.4



THE HEALEY ALLIANCE AZ
2505 N 195TH DRIVE, GOODYEAR, AZ 85339 • (480) 444-6768
ARCHITECTS

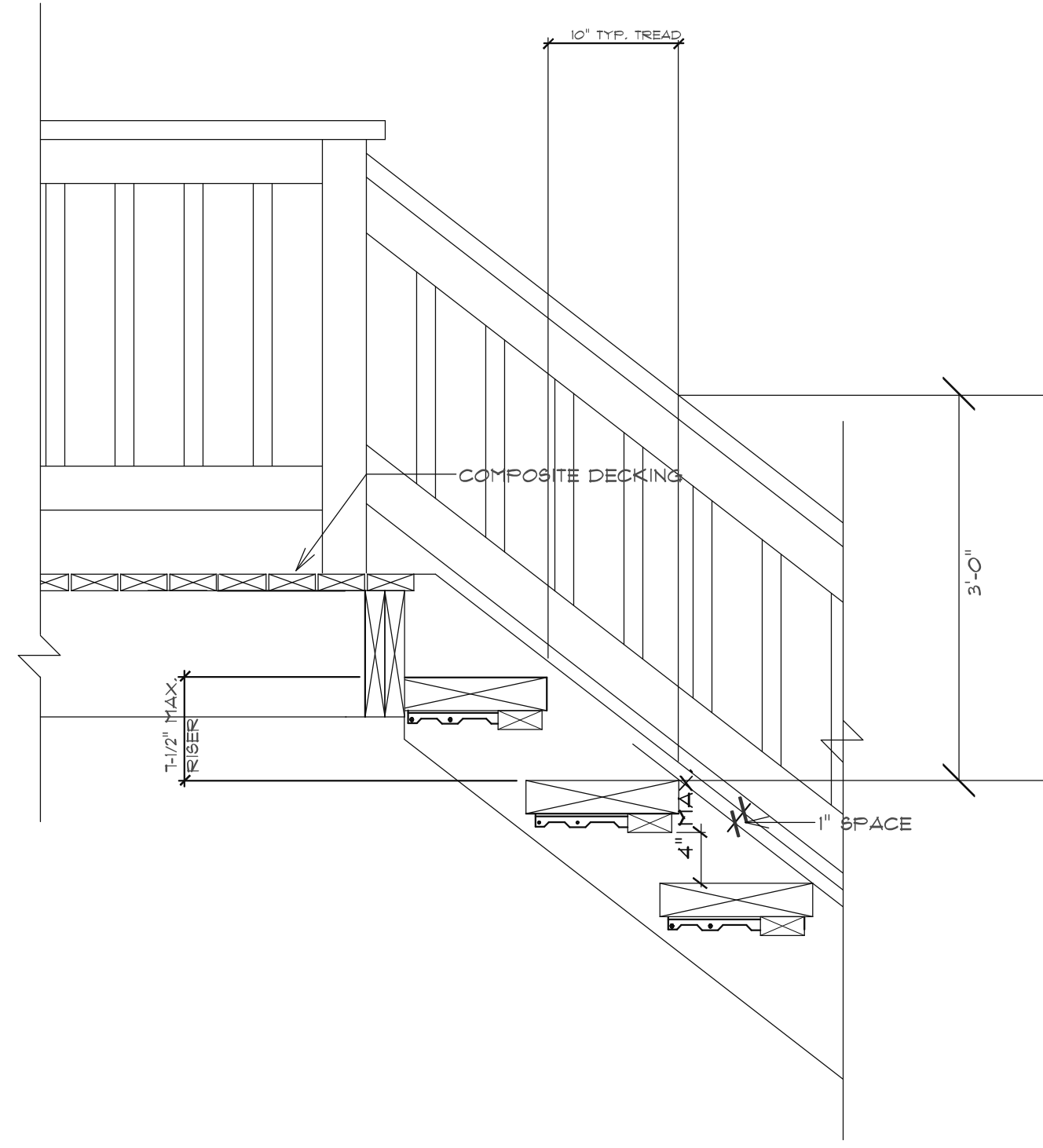
MI Treehouse, LLC,
5631 EAST MERCER WAY
MERCER ISLAND, WA.

DETAILS

DATE
4-13-2022
10-5-2022

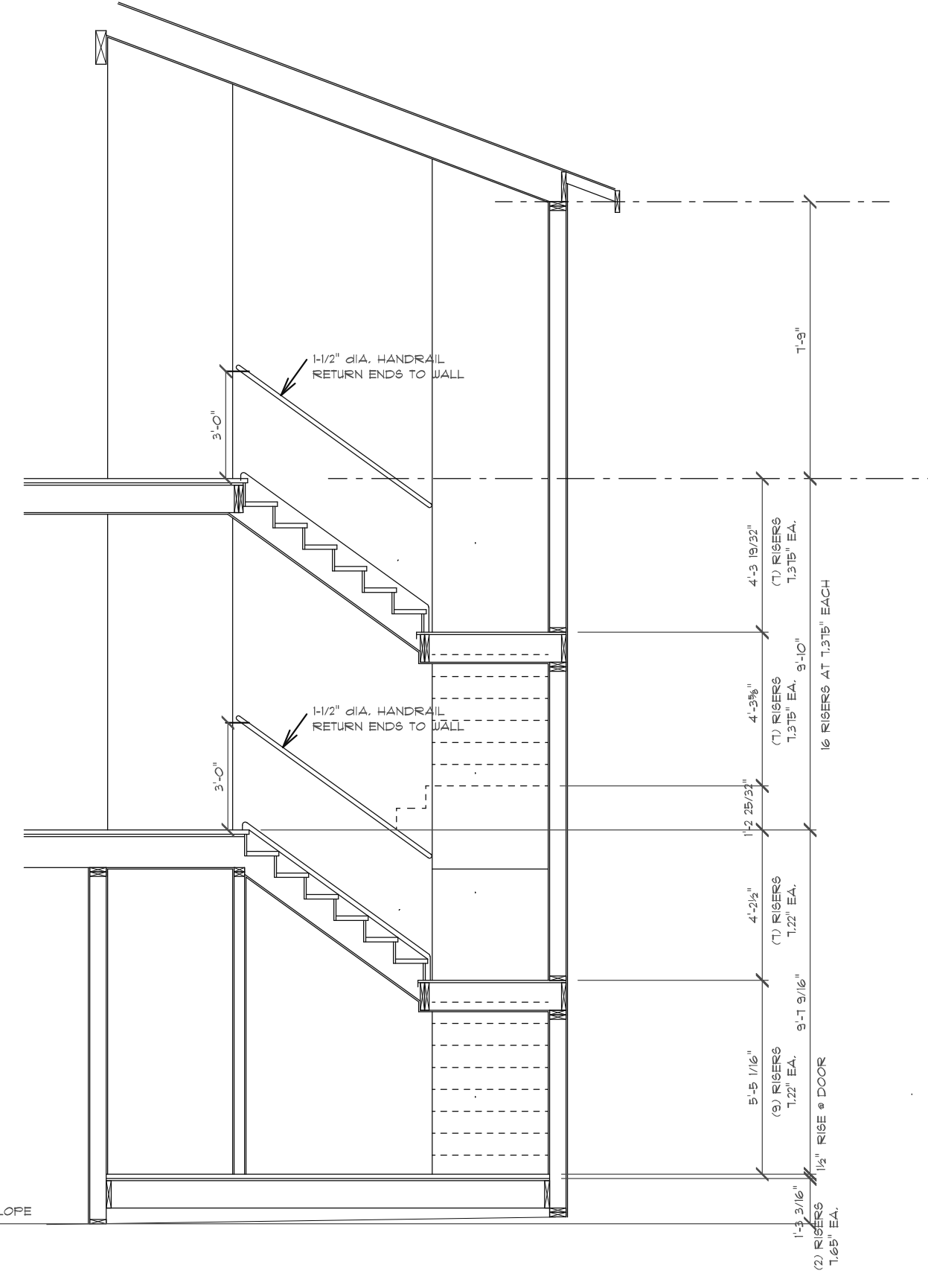
PROJECT NO.
001

SHEET NO.
A-5.4

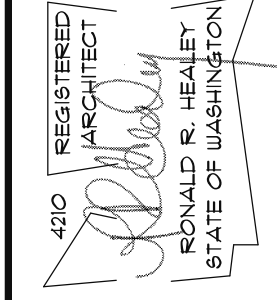


1 STAIR CONNECTION
SCALE: 1/4"=1'-0"

I II



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



THE HEALEY ALLIANCE AZ
2505 N 135th DRIVE, SUITE 100, SEASIDE, AZ 85598 • (480) 444-9788
ARCHITECTS

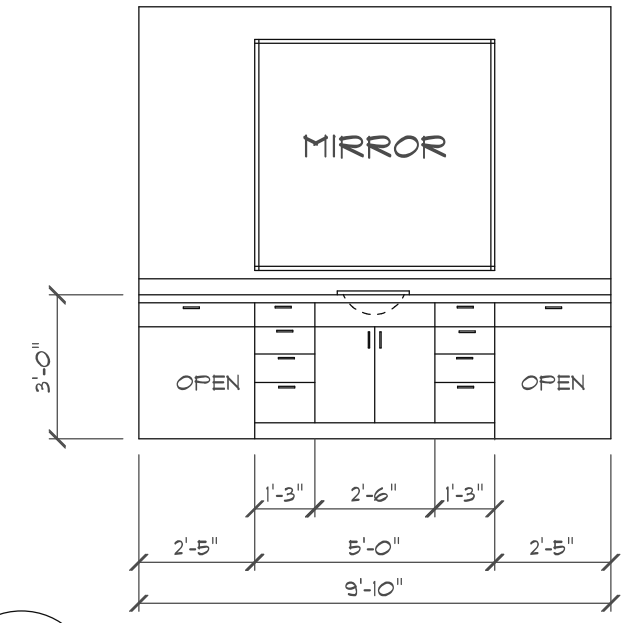
MJ Treehouse, LLC,
5631 EAST MERCER WAY
MERCER ISLAND, WA.

STAIRS SECTION
& DETAILS

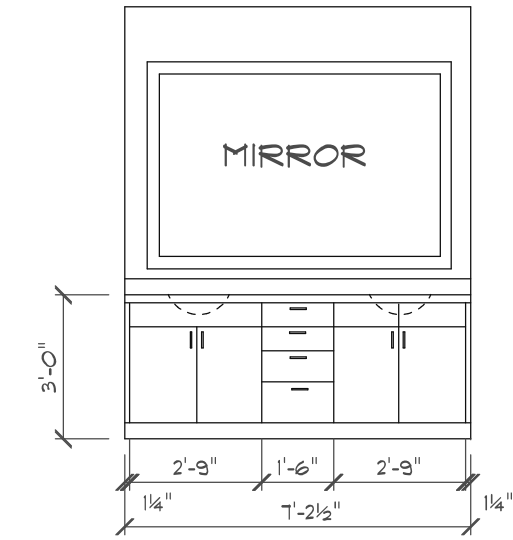
DATE
1-13-2022
10-5-2022

PROJECT NO.
001

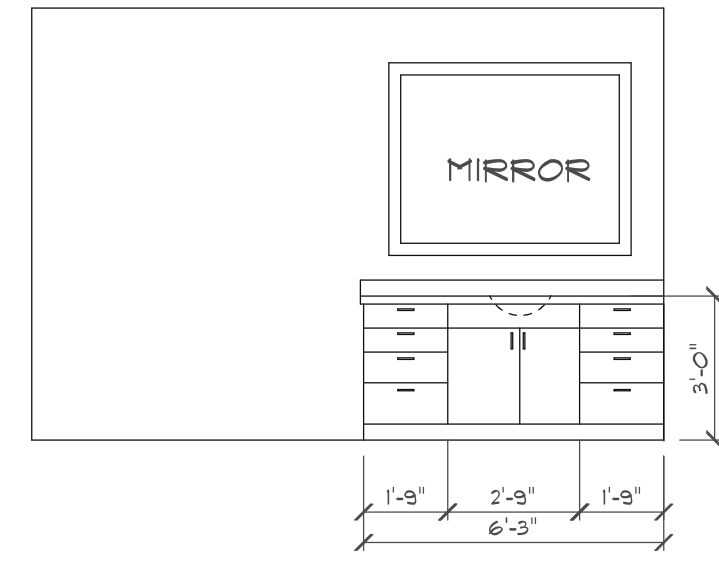
SHEET NO.
A5.5



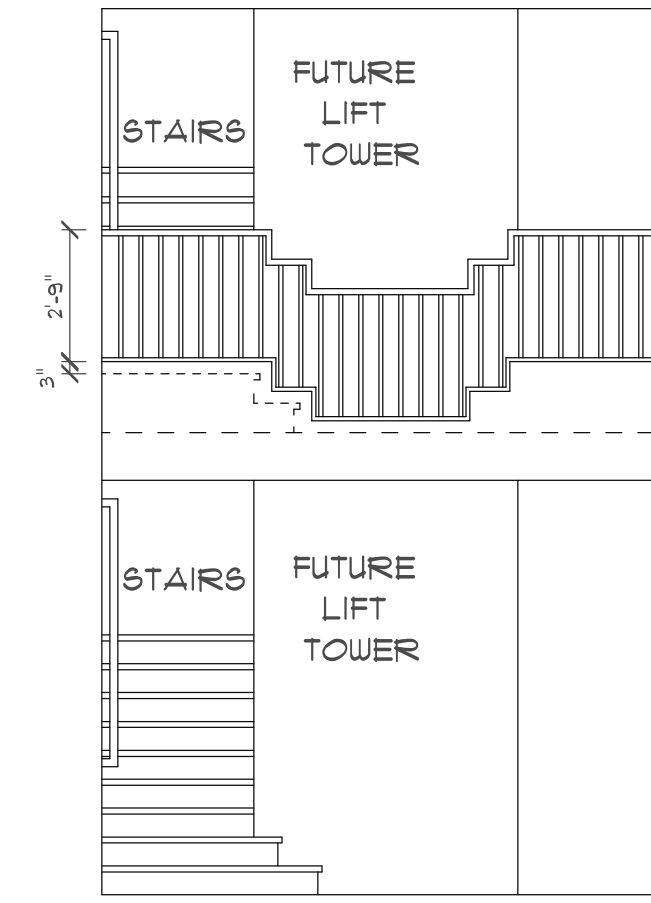
1 POWDER ROOM



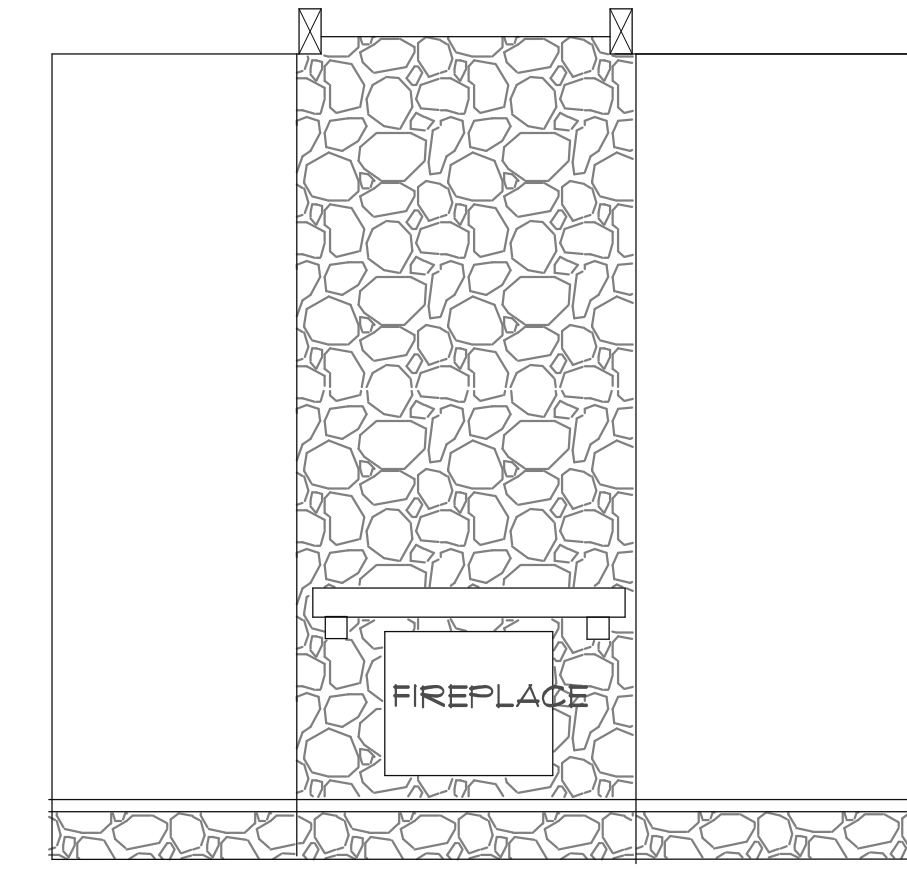
2 BATH CABINETS
BATH #1 & #2



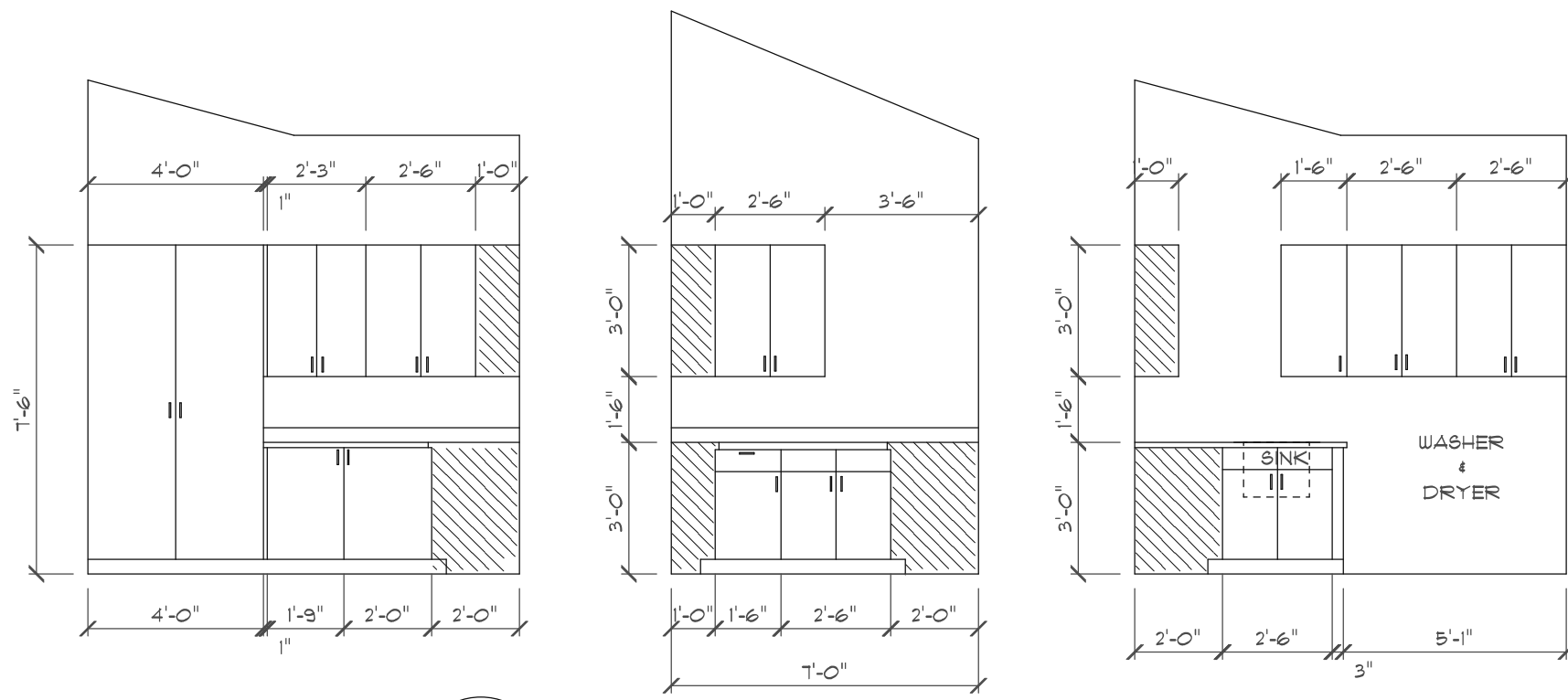
3 BATH CABINETS
BDRM #3



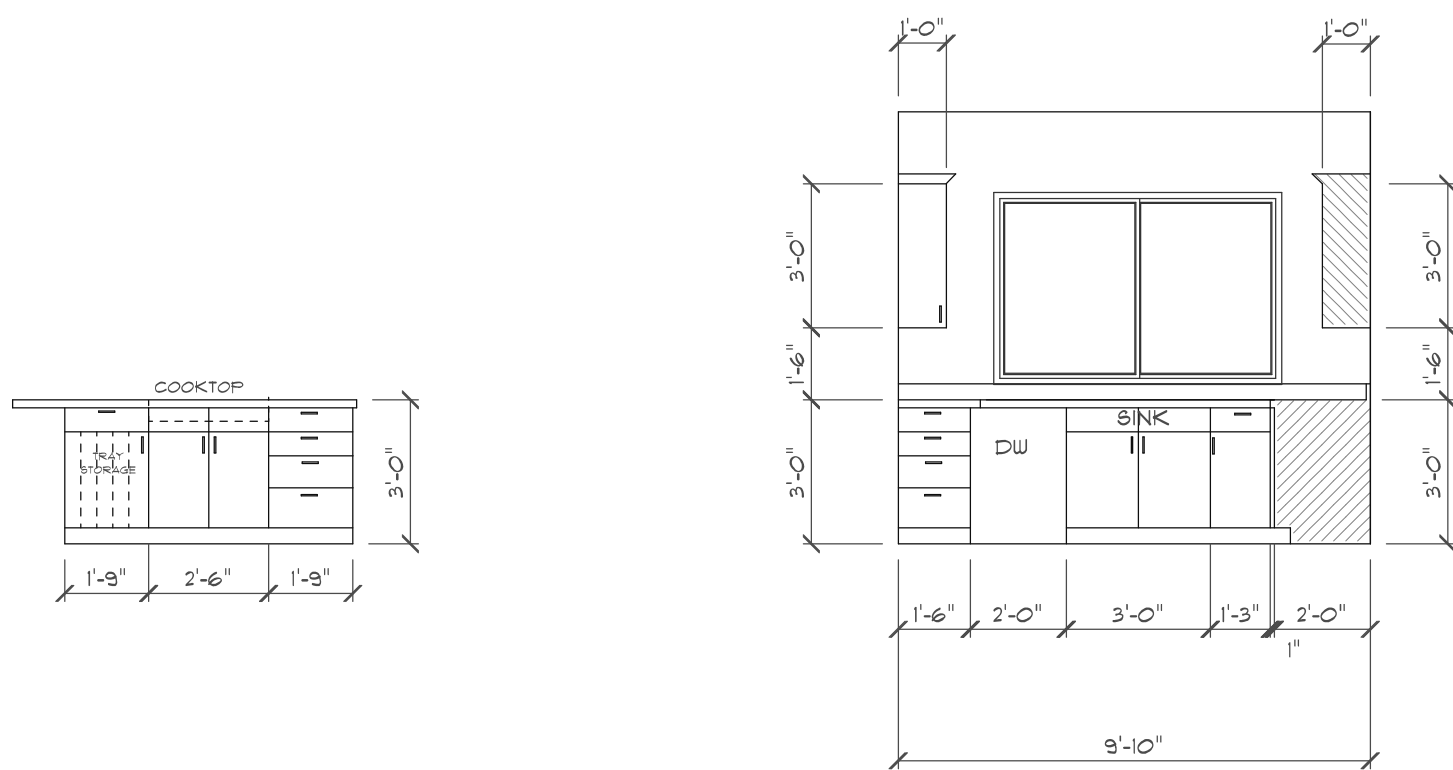
4 ENTRY



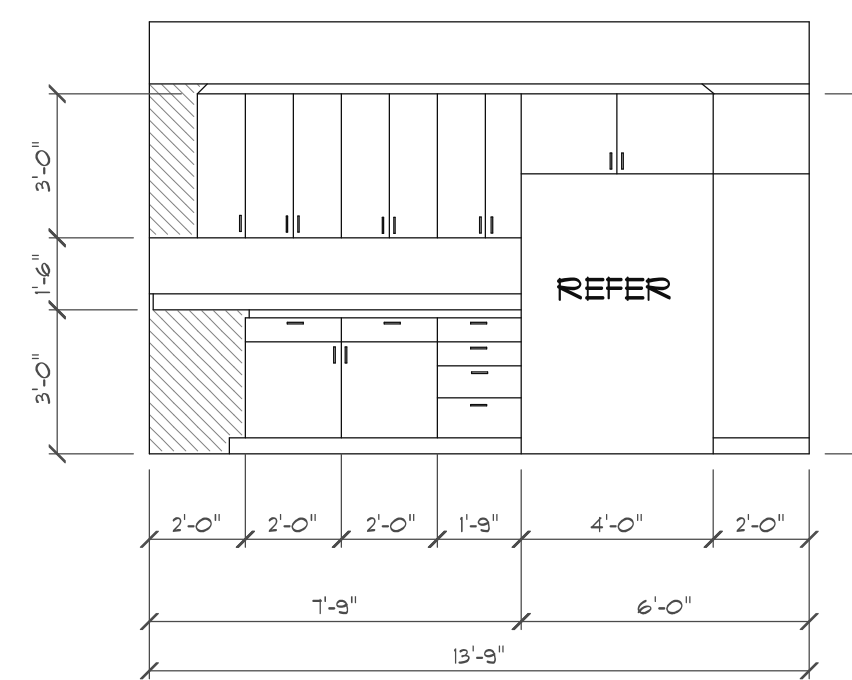
5 FAMILY ROOM

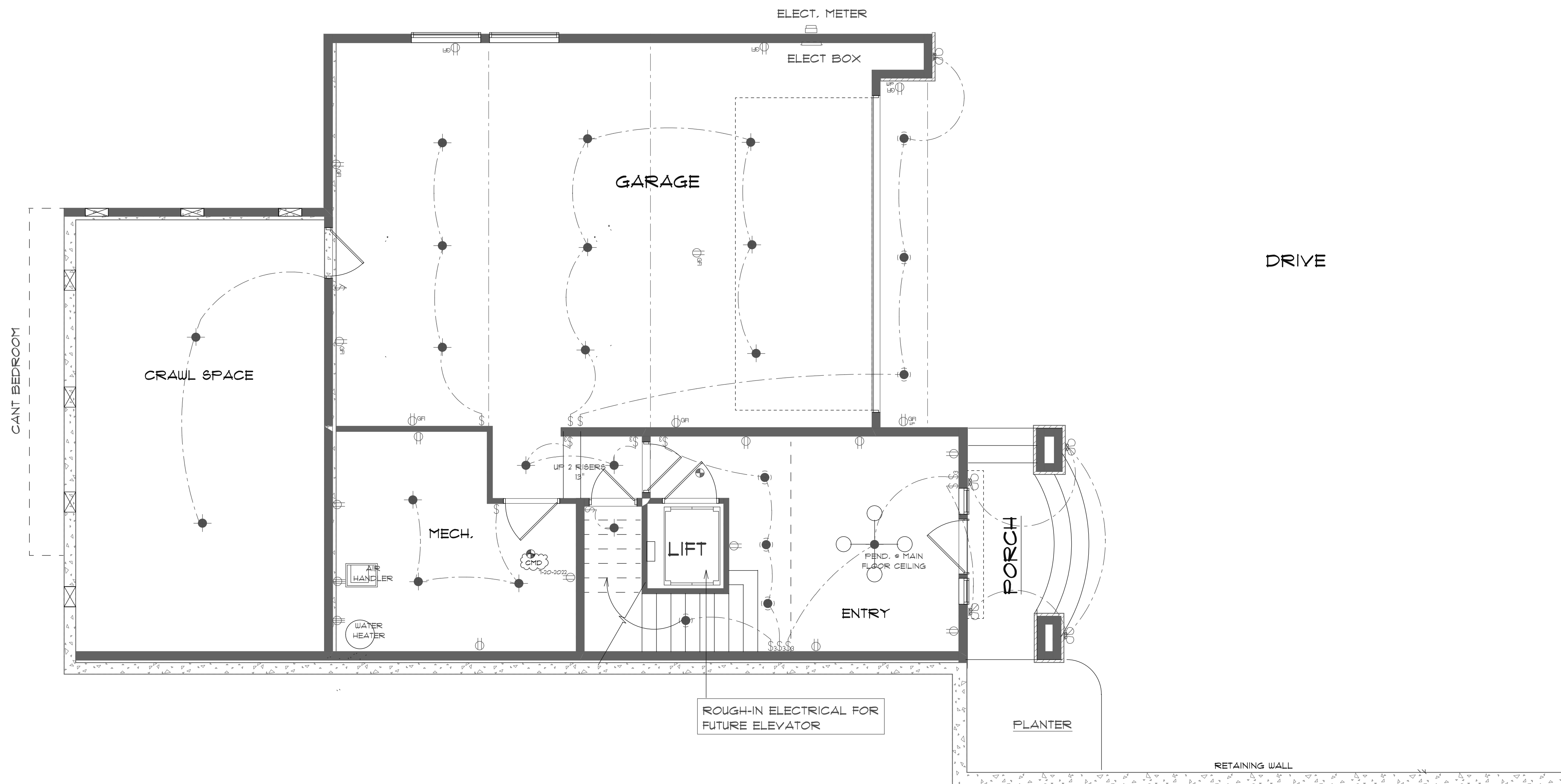


6 LAUNDRY ROOM



7 KITCHEN CABINETS

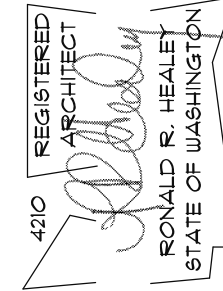




ELECTRICAL	SYMBOL
110 v direct connection	⊕
Outlet 110 gfi up	⊕ _{gfi}
Recessed can	●
Recessed directional	●
Surface mount	⊕
Wall Mount Flood	⊕ _W
smoke detector & carbon monoxide det.	⊕ _{sm}
Wall mount	⊕ _W
fan	⊕ _F
outlet	⊕
220v	⊕ ₂₂₀
outlet gfi	⊕ _{gfi}
smoke detector	⊕ _{sm}
split receptacle	⊕ _S
switch	⊕ _S
switch 3 way	⊕ _{S3}

110V, SMOKE DETECTOR W/ BATTERY BACKUP & INTERCONNECTED ALARMS
WHOLE HOUSE FAN - 100 CFM MIN, VTO

110V, COMBINATION SMOKE DETECTOR & CARBON MONOXIDE DETECTOR



THE HEALEY ALLIANCE AZ
2509 N 189th DRIVE, GOODYEAR, AZ 85339 • (480) 444-8788
ARCHITECTS

M1 Treehouse, LLC,
5631 EAST MERCER WAY
MERCER ISLAND, WA.

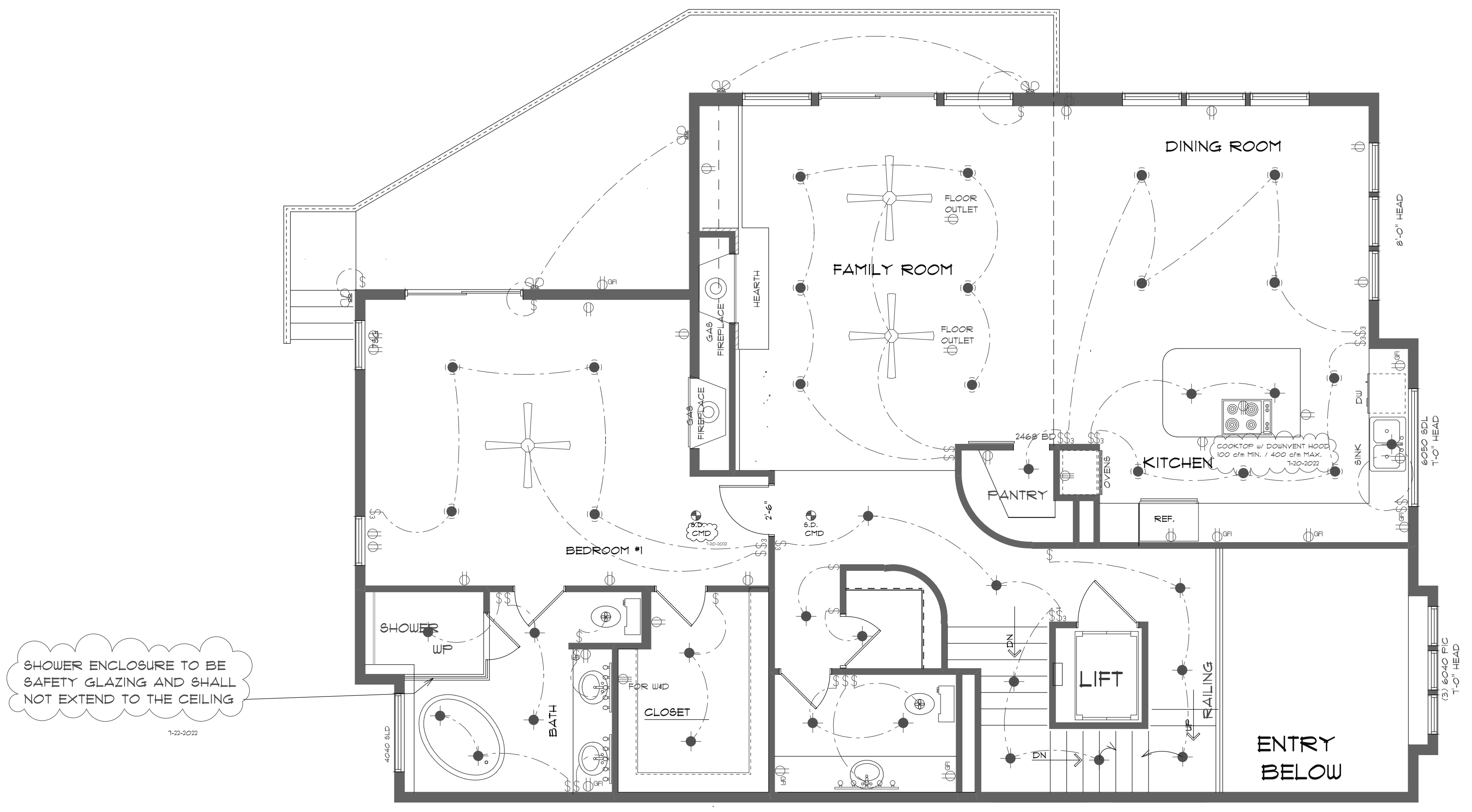
GARAGE ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

DATE
4-13-2022
10-5-2022

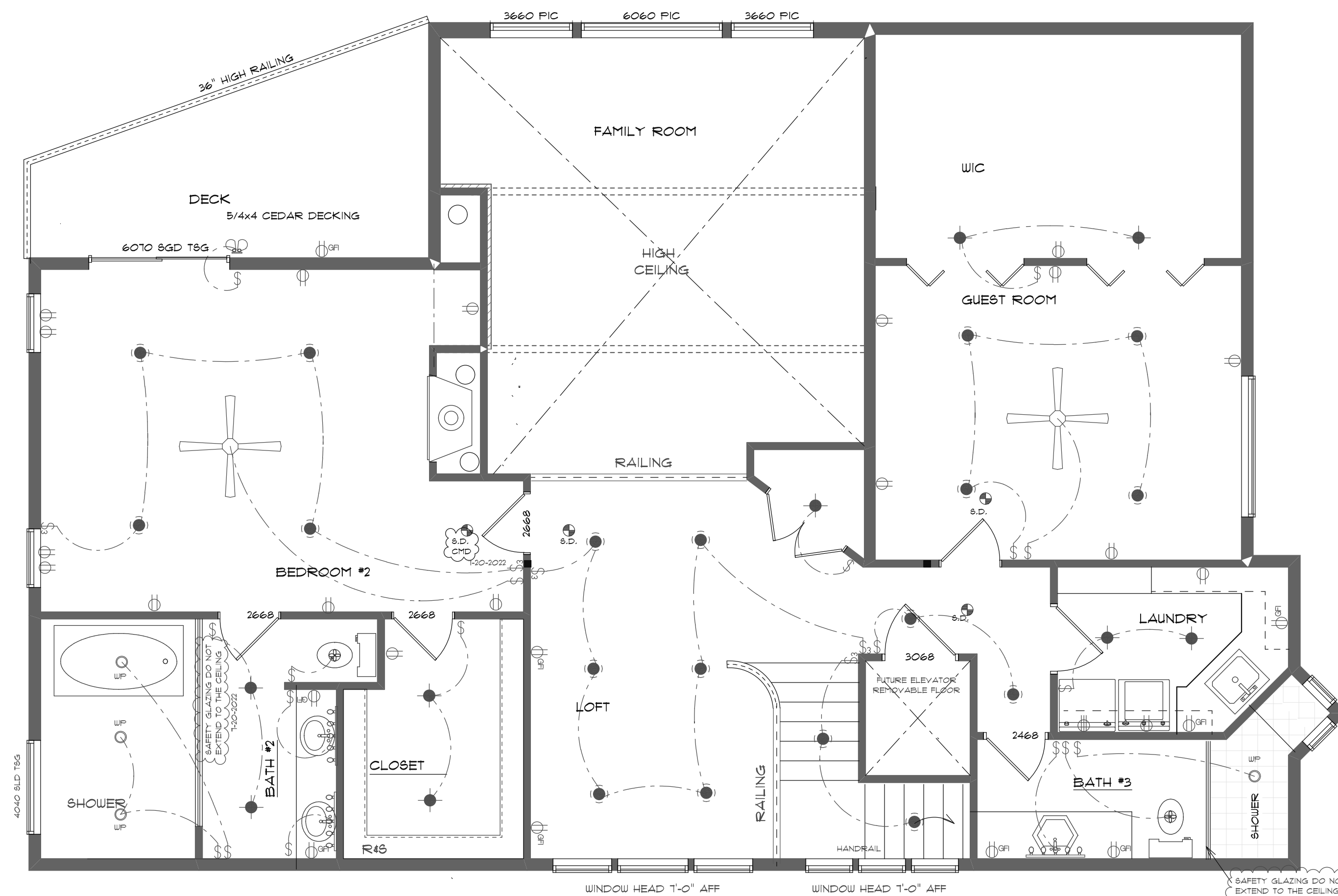
PROJECT NO.
001

SHEET NO.
A6.2



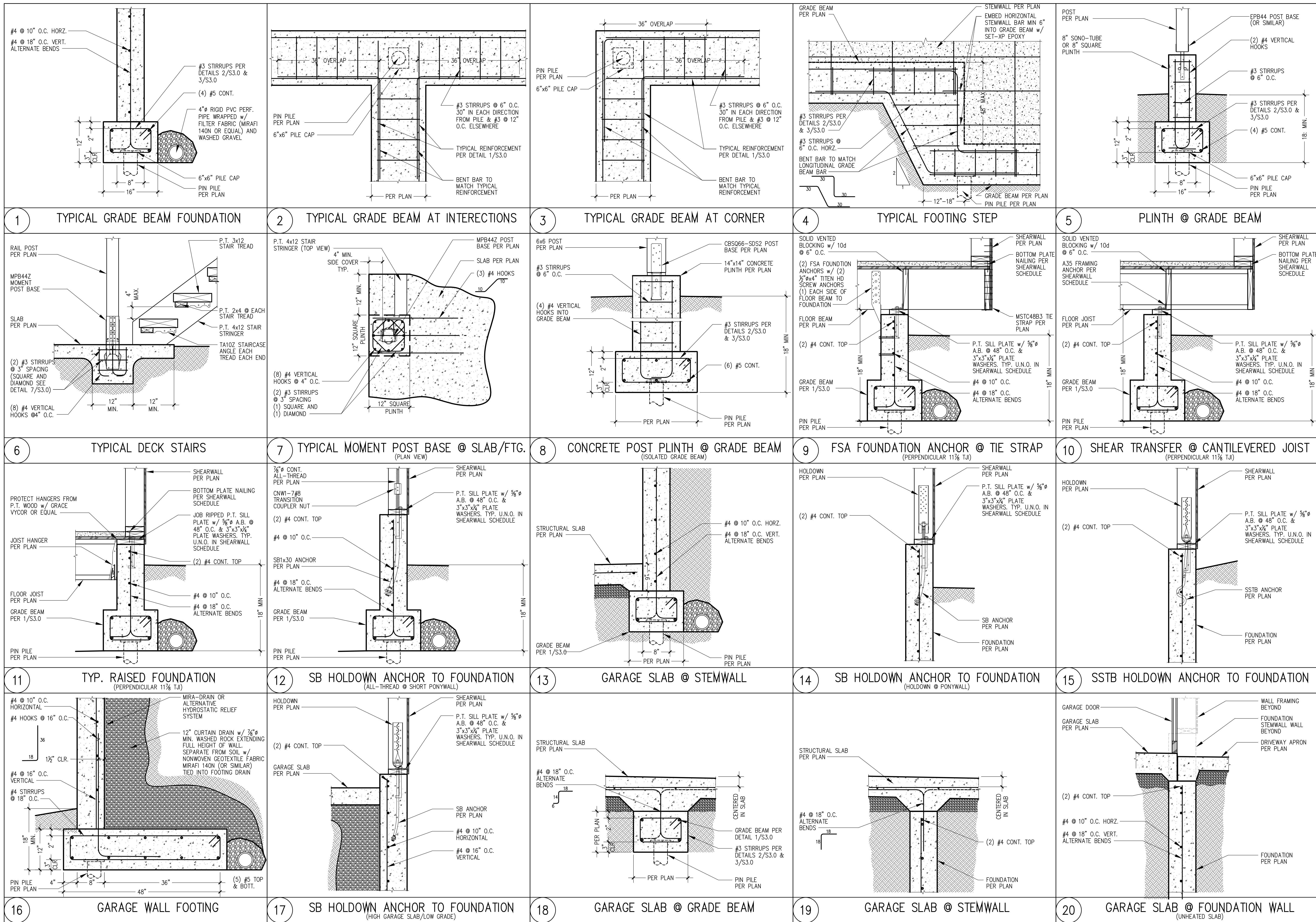
ELECTRICAL	SYMBOL
110 v direct connection	⊕
Outlet 110 gfi wp	⊕ _{WP}
Recessed can	⊙
Recessed directional	⊙ _{DIR}
Surface mount	⊙ _S
Wall Mount Flood	⊕ _{WF}
smoke detector & carbon monoxide det.	⊕ _{SD/CO}
Wall mount	⊕ _W
Fan 50 CFM min. outlet	⊕ _{FAN}
220v	⊕ ₂₂₀
outlet gfi	⊕ _{GFI}
smoke detector	⊕ _{SD}
split receptacle	⊕ _{SP}
switch	⊕ _S
switch 3 way	⊕ _{3W}

110V, SMOKE DETECTOR W/ BATTERY BACKUP & INTERCONNECTED ALARMS
 WHOLE HOUSE FAN - 100 CFM MIN, VTO
 110V, COMBINATION SMOKE DETECTOR & CARBON MONOXIDE DETECTOR

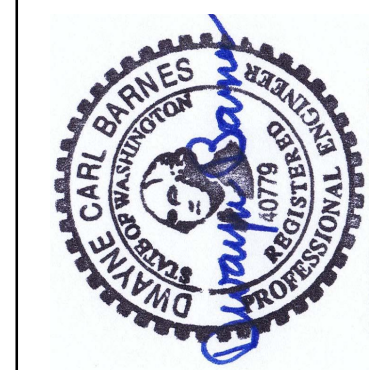


ELECTRICAL	SYMBOL
110 v direct connection	⊖
Outlet 110 gfi up	⊖ _{gfi}
Recessed can	●
Recessed directional	●
Surface mount	●
Wall Mount Flood	⊖
smoke detector & carbon monoxide det.	⊕
Wall mount	⊕
fan	⊕
outlet	⊖
220v	⊖
outlet gfi	⊖ _{gfi}
smoke detector	⊕
split receptacle	⊖
switch	⊕
switch 3 way	⊕

110V, SMOKE DETECTOR W/ BATTERY BACKUP & INTERCONNECTED ALARMS
 WHOLE HOUSE FAN - 100 CFM MIN, VTO
 110V, COMBINATION SMOKE DETECTOR & CARBON MONOXIDE DETECTOR



Stoney Point Engineering
 Dwayne Barnes P.E.
 dwayne@stonepointengineering.com
 Office: 425-644-9500



MI Treehouse, LLC
 5637 East Mercer Way
 Mercer Island, WA 98040

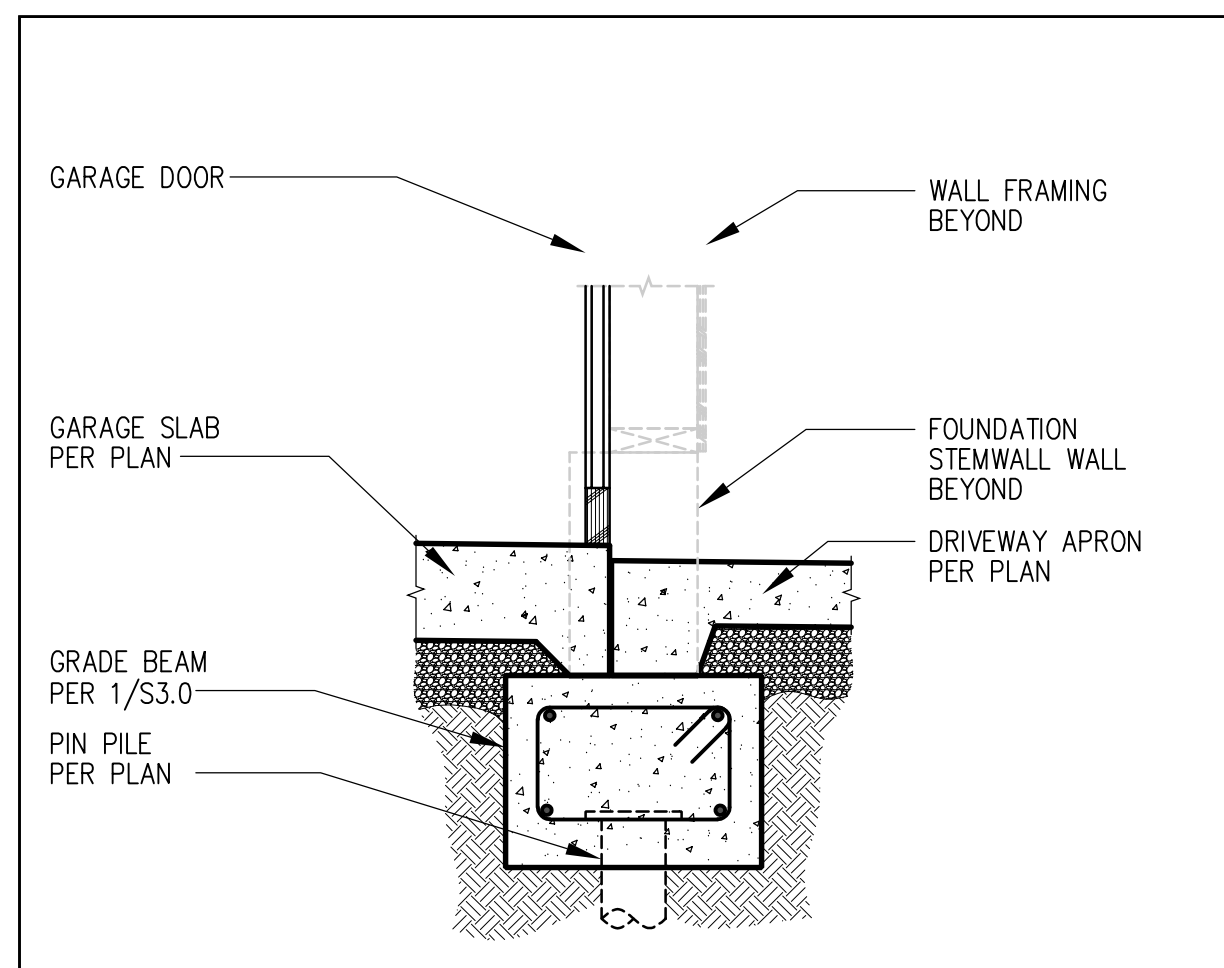
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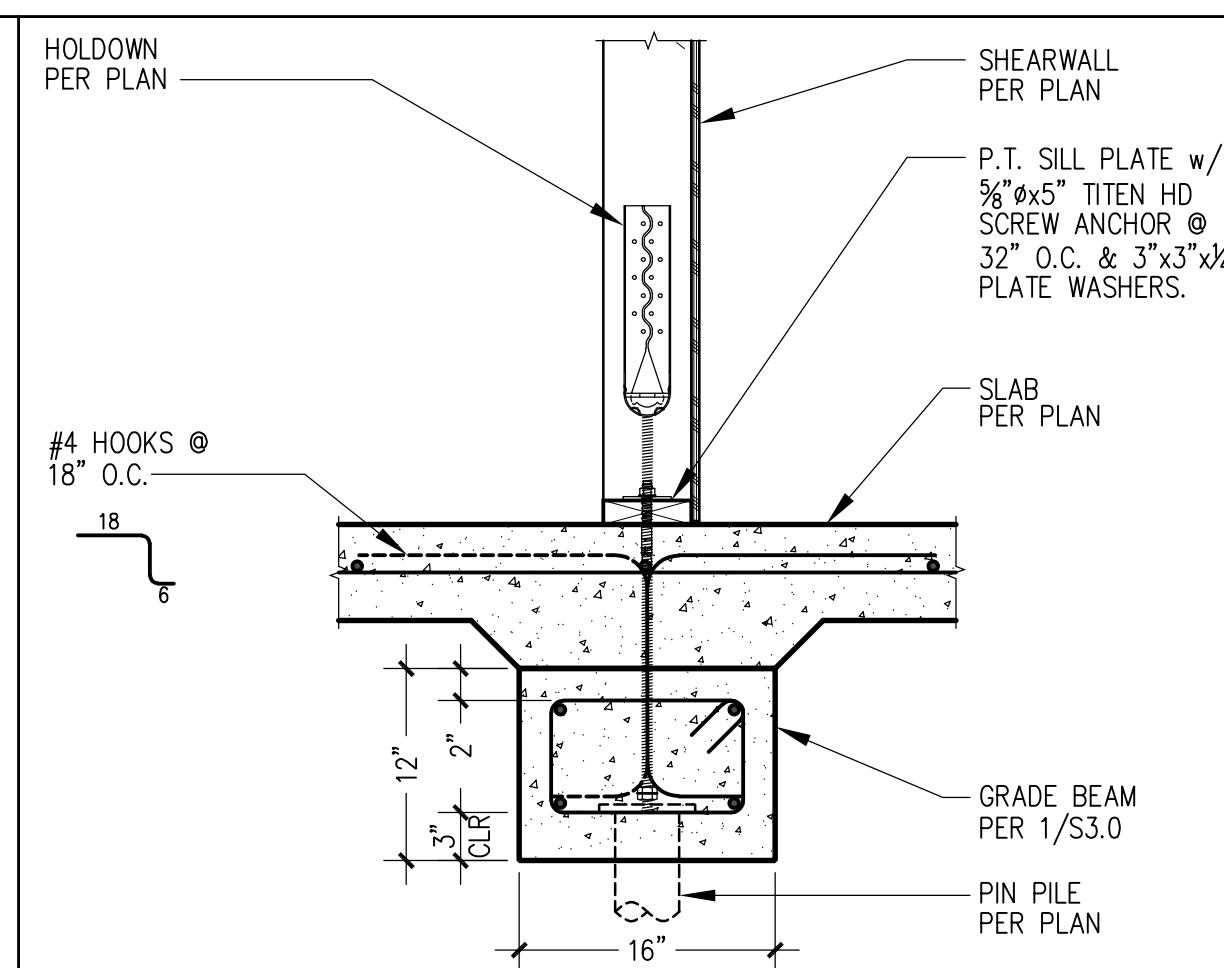
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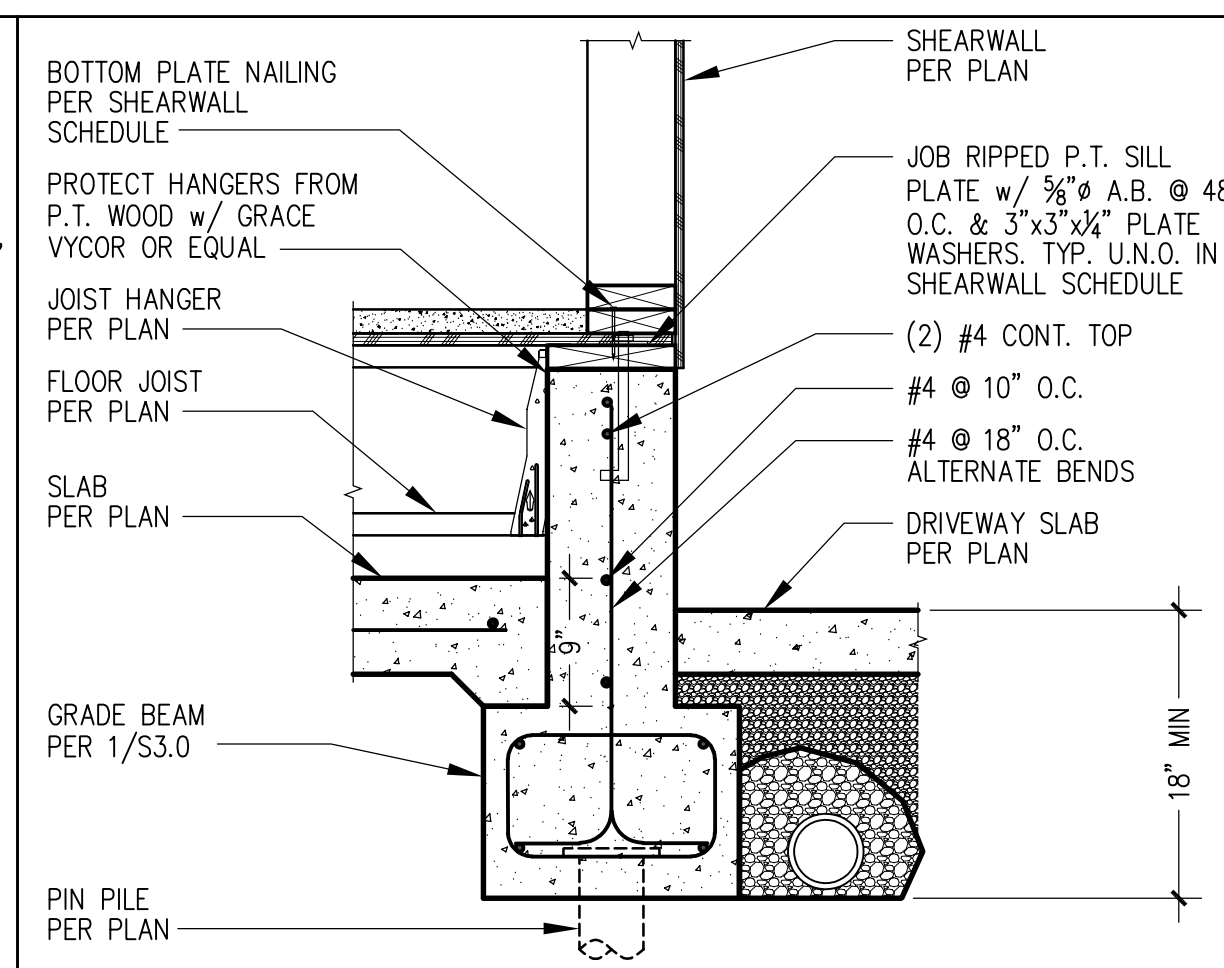
S3.0
 FOUNDATION DETAILS



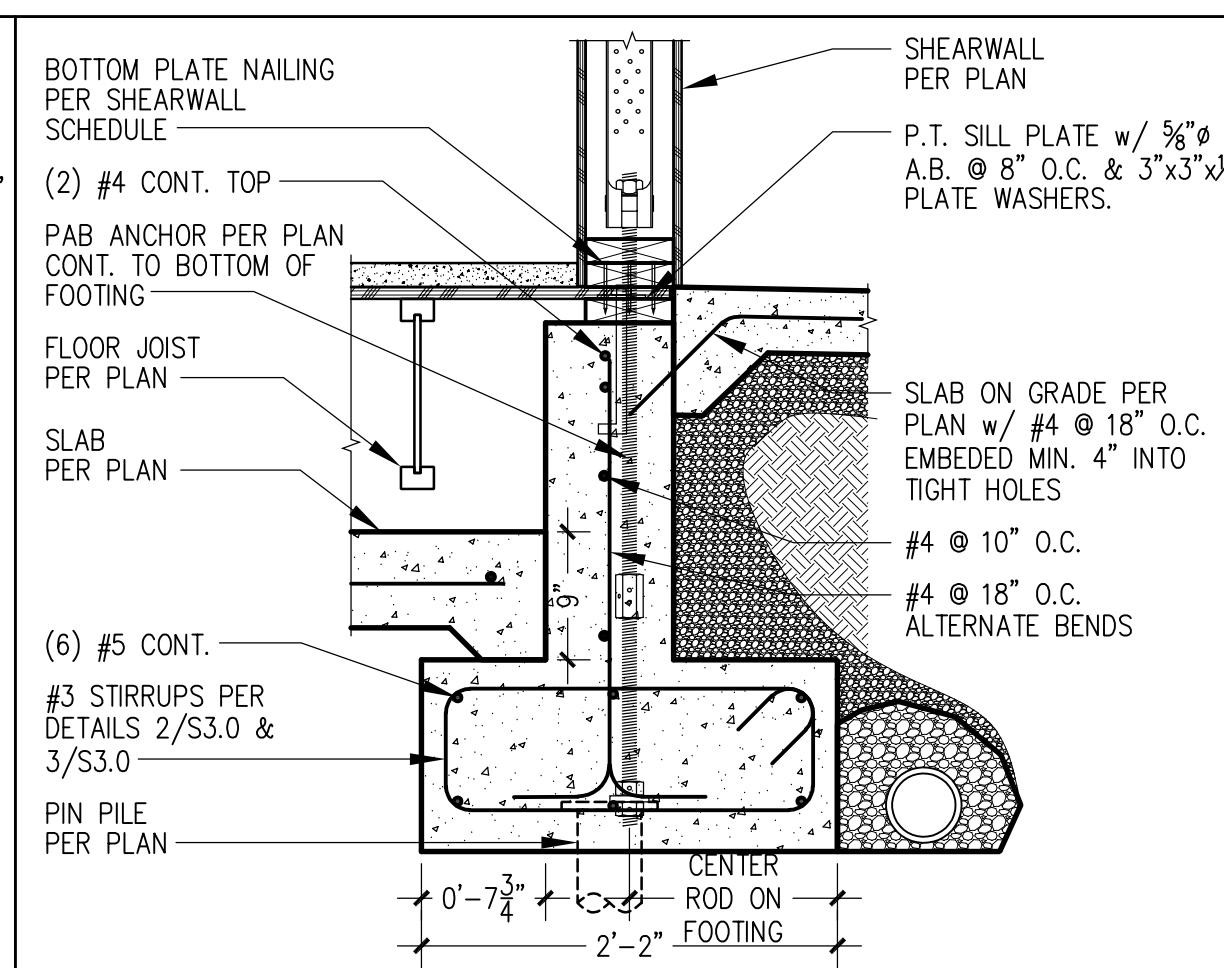
1 TYPICAL GRADE BEAM @ DRIVEWAY APRON



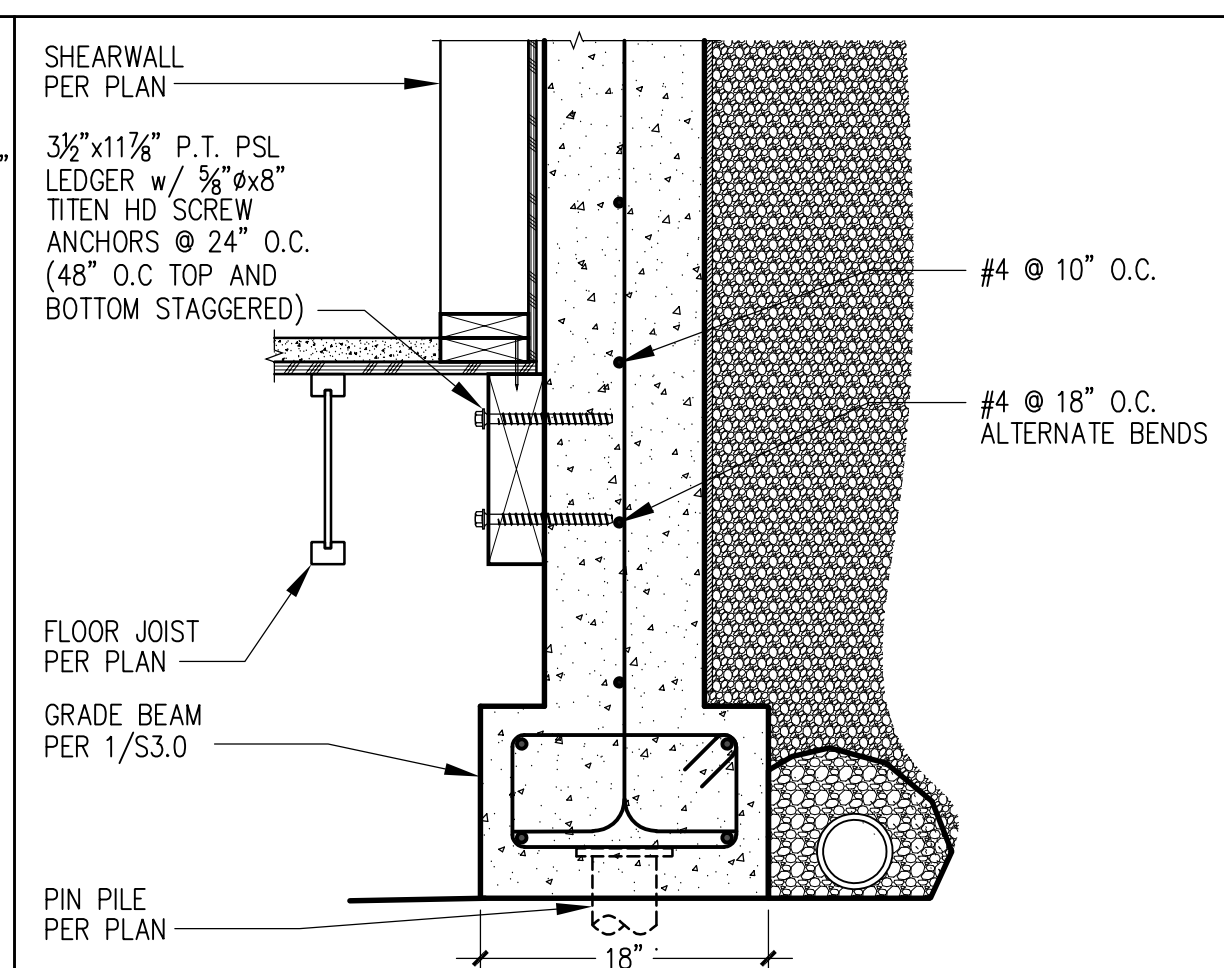
2 SHEARWALL @ TYP. SLAB



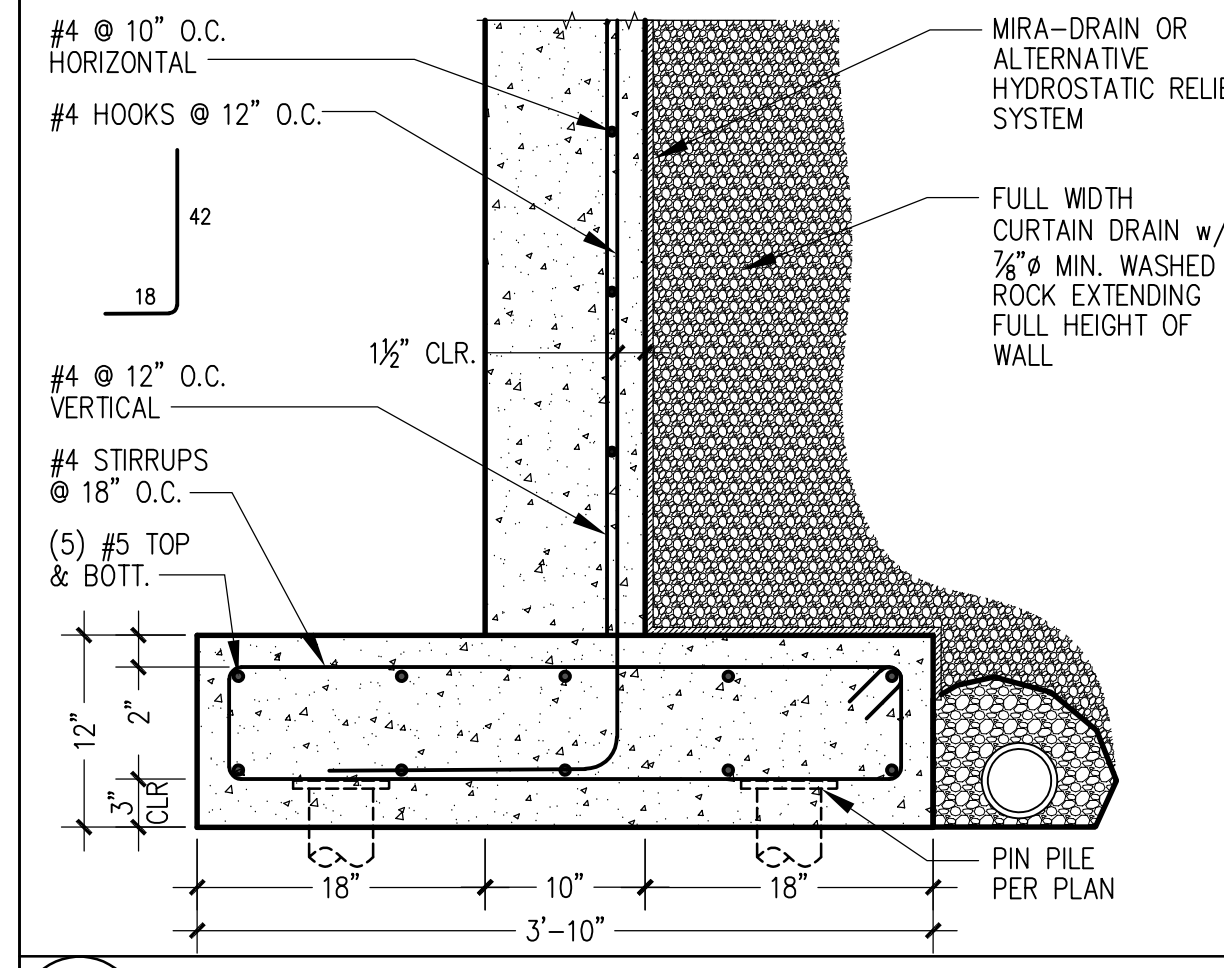
3 RAISED FOUNDATION @ ENTRY
(PERPENDICULAR 11 1/2" T.J.)



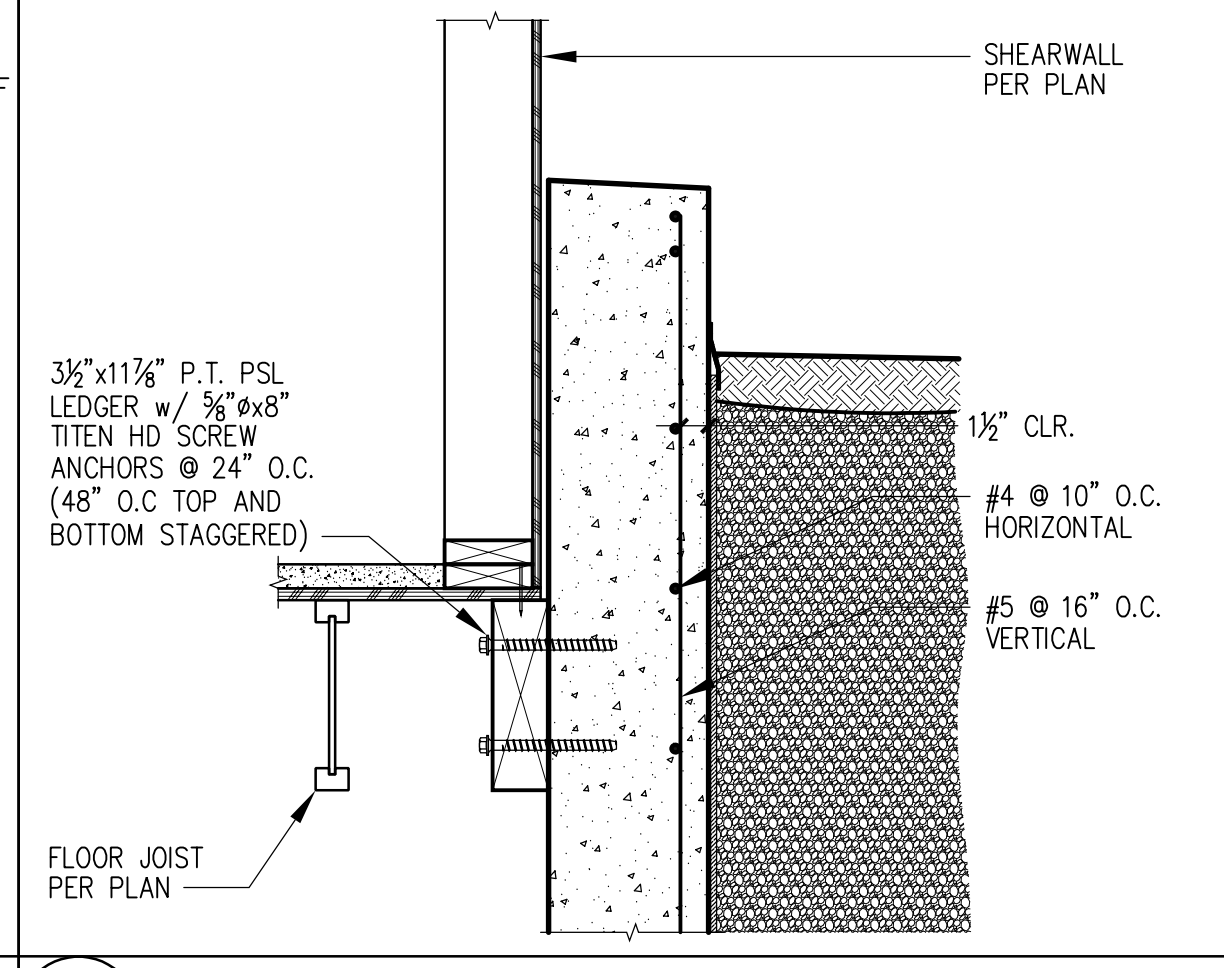
4 PAB ANCHOR @ RAISED FNDN. @ ENTRY
(PARALLEL 11 1/2" T.J.)



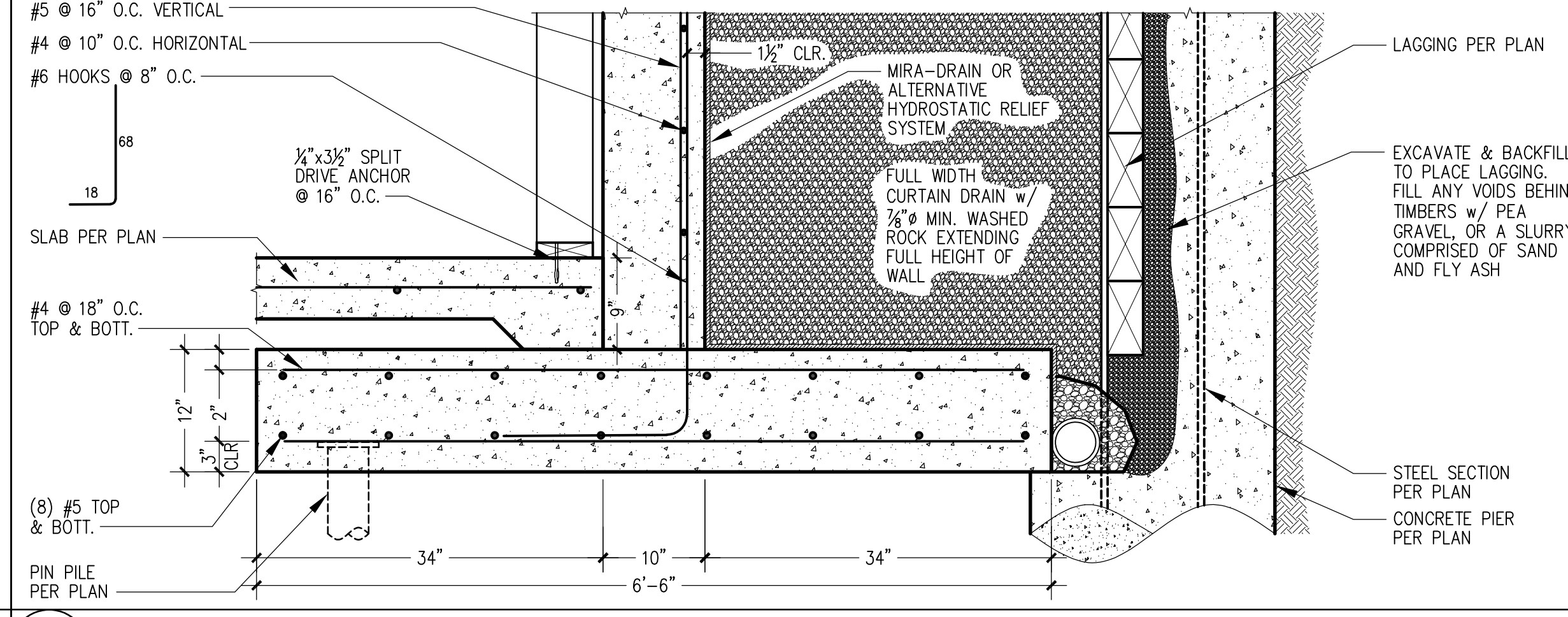
5 FLOOR FRAMING @ RAISED FOUNDATION
(PARALLEL 11 1/2" T.J.)



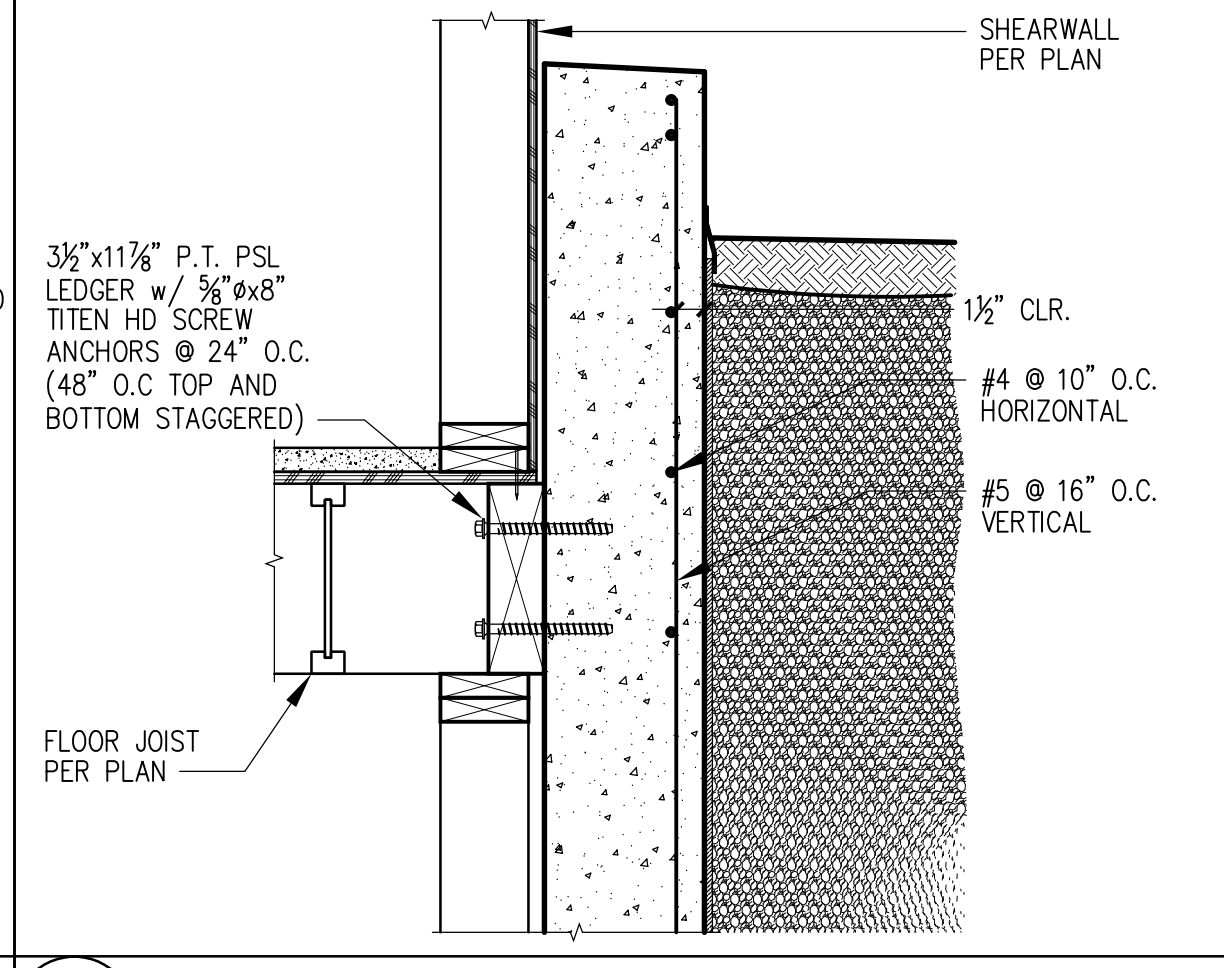
6 CRAWLSPACE WALL FOOTING



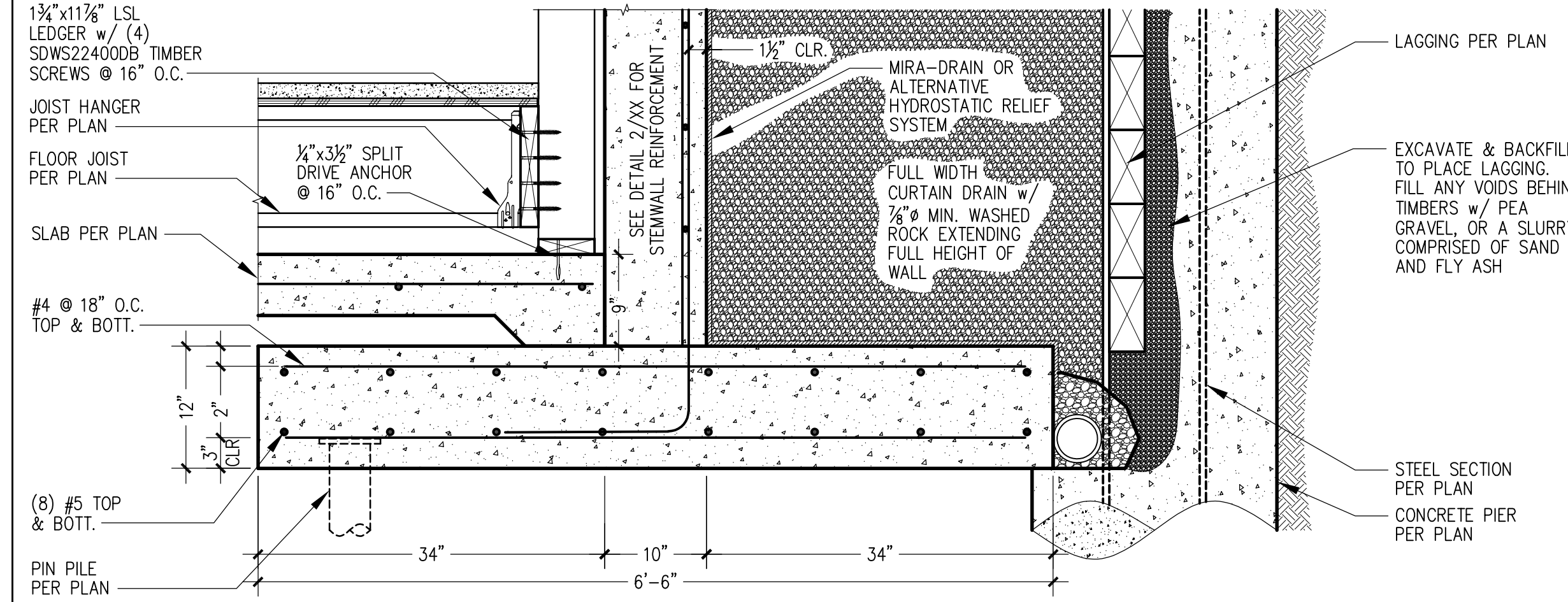
7 FLOOR FRAMING @ RAISED FOUNDATION
(PARALLEL 11 1/2" T.J.)



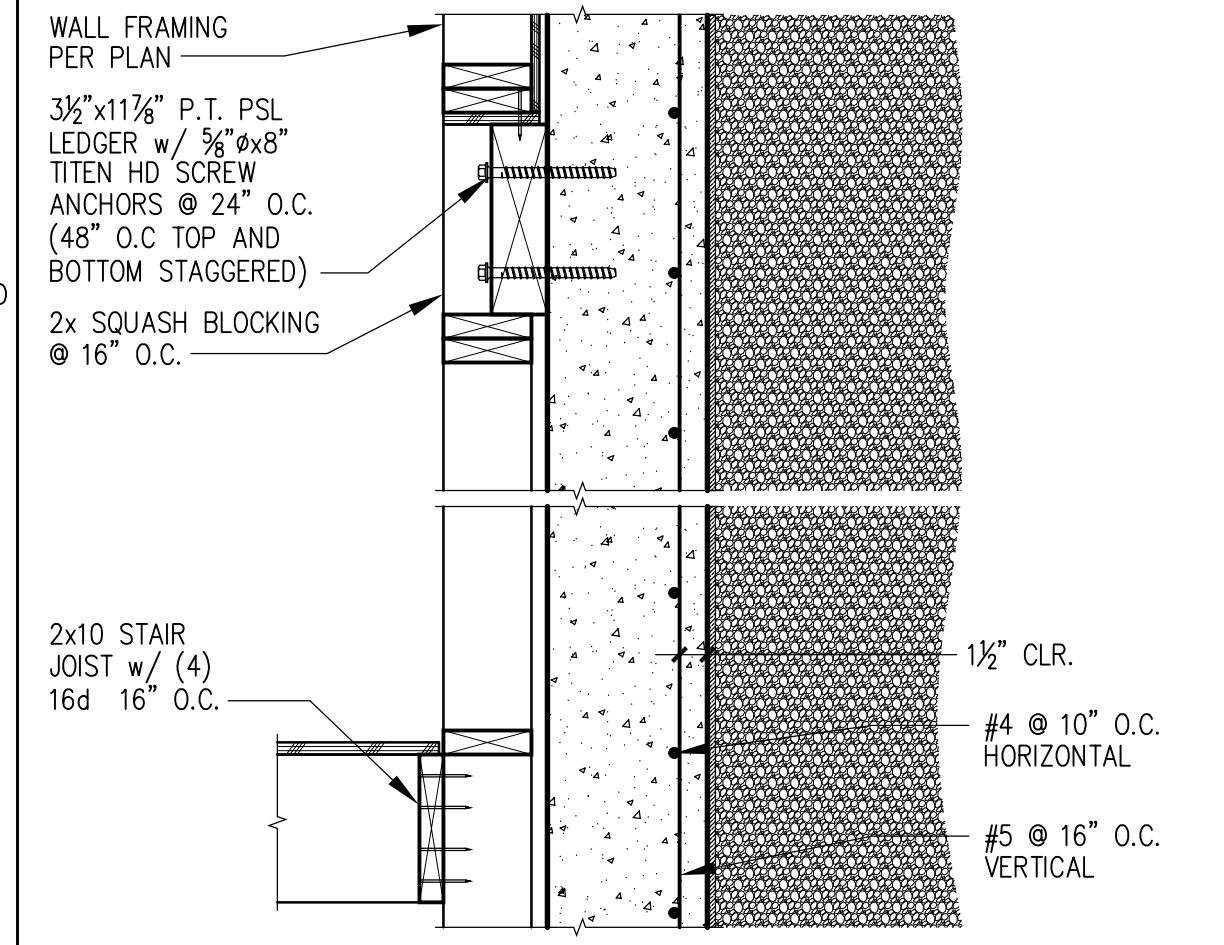
8 BASEMENT WALL FOOTING
(MECHANICAL ROOM)



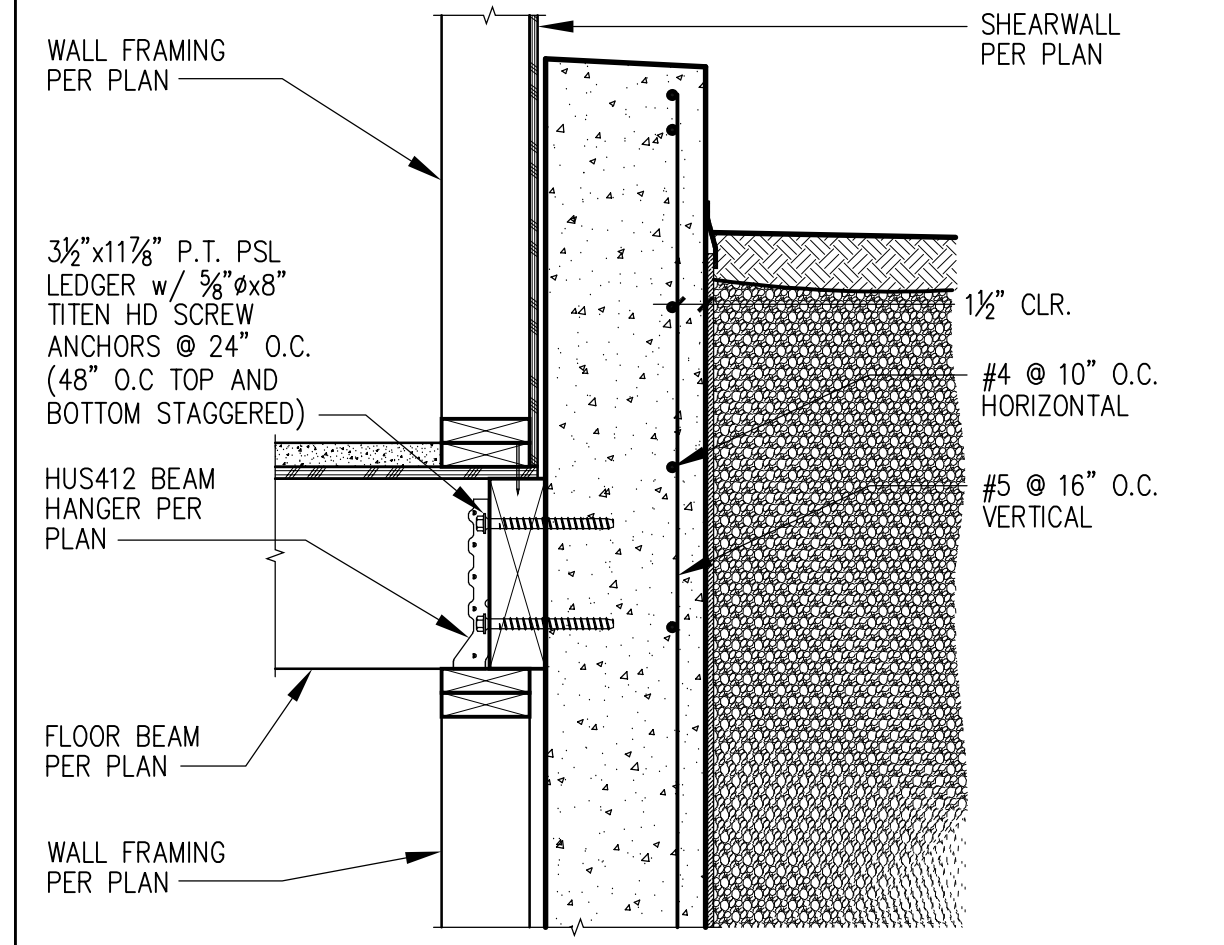
9 FLOOR FRAMING @ RAISED FOUNDATION
(PARALLEL 11 1/2" T.J.)



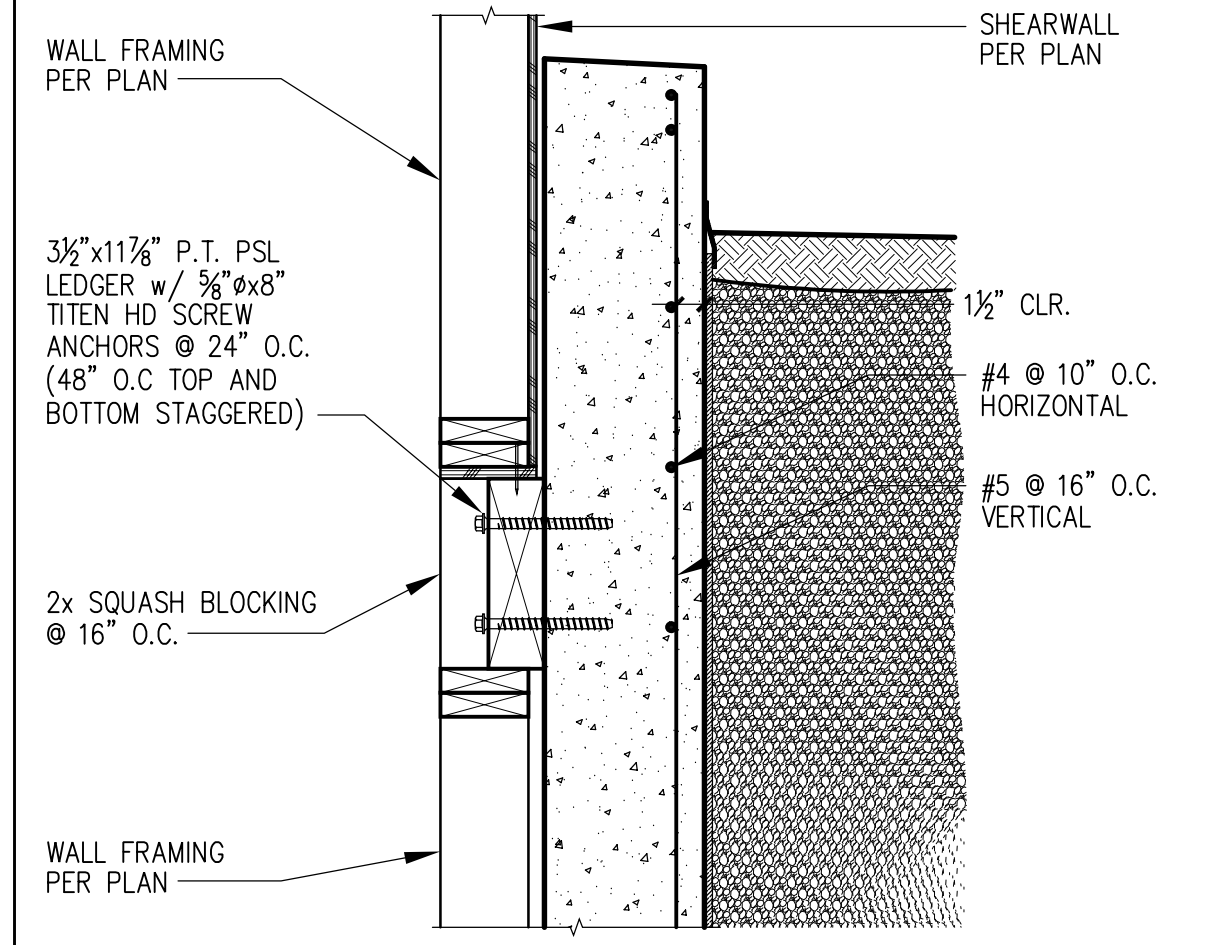
10 BASEMENT WALL FOOTING
(ENTRYWAY)



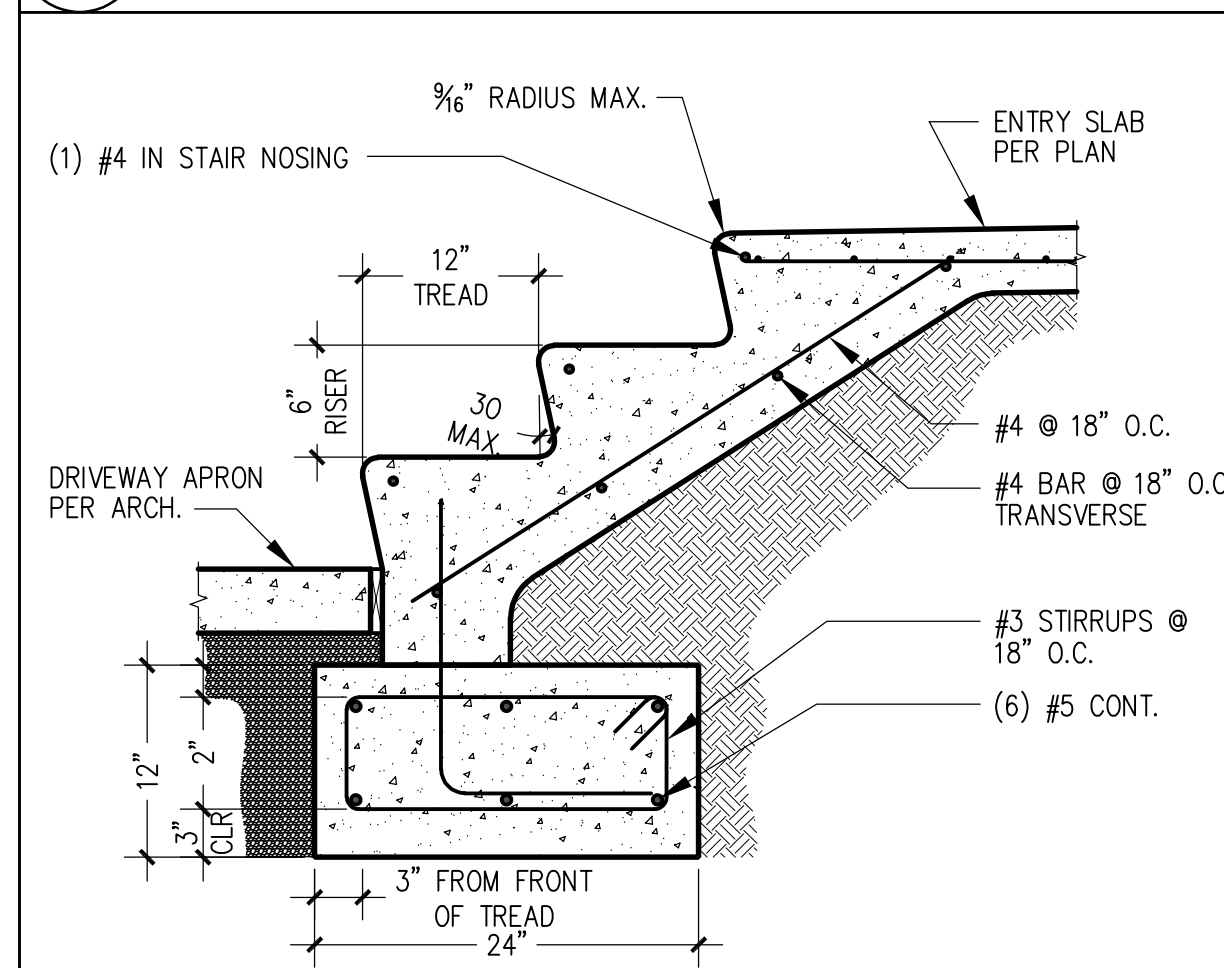
11 STAIR LANDING FRAMING @ RAISED FNDN.
(PARALLEL 11 1/2" T.J.)



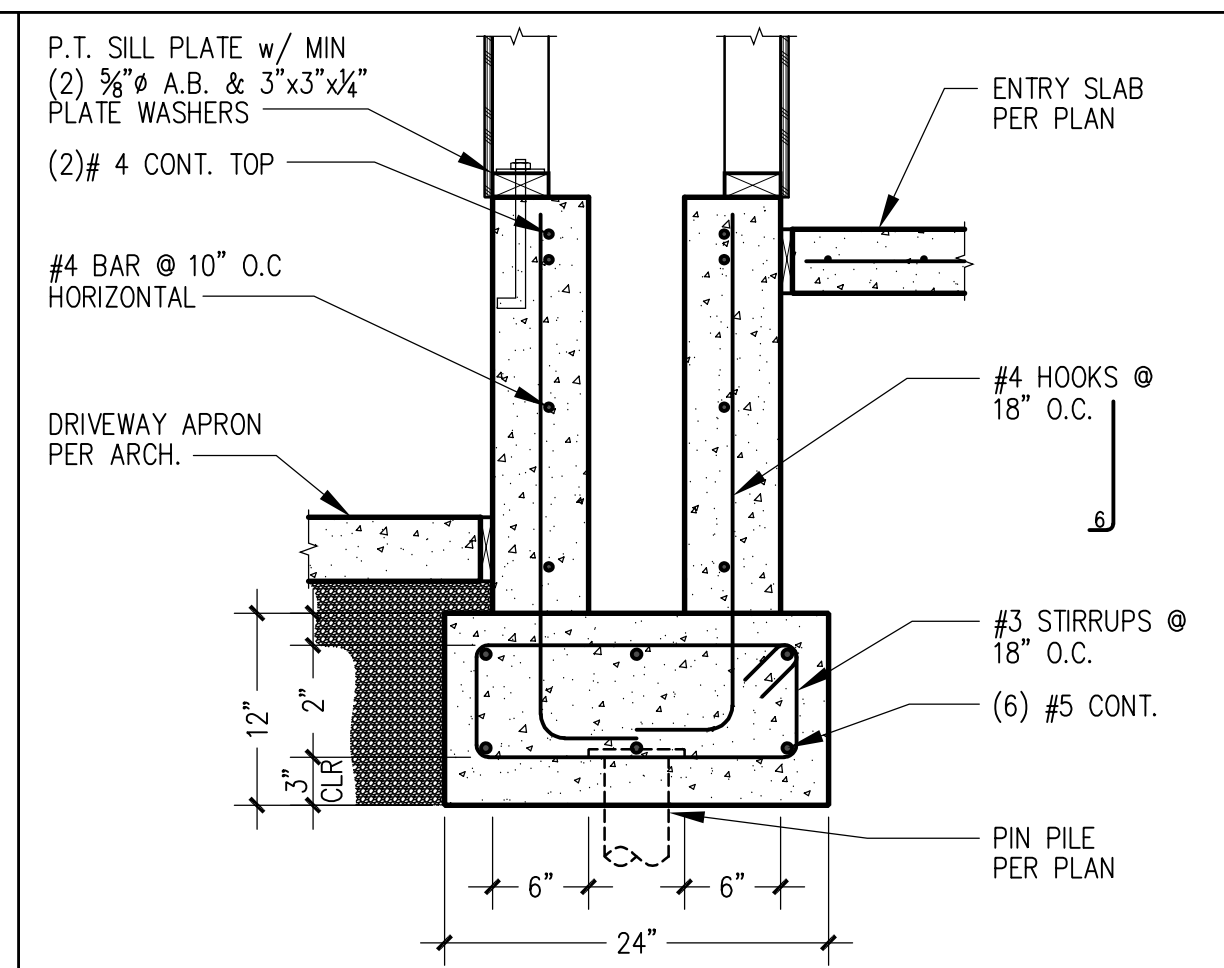
12 FLOOR FRAMING @ RAISED FOUNDATION
(PARALLEL 11 1/2" T.J.)



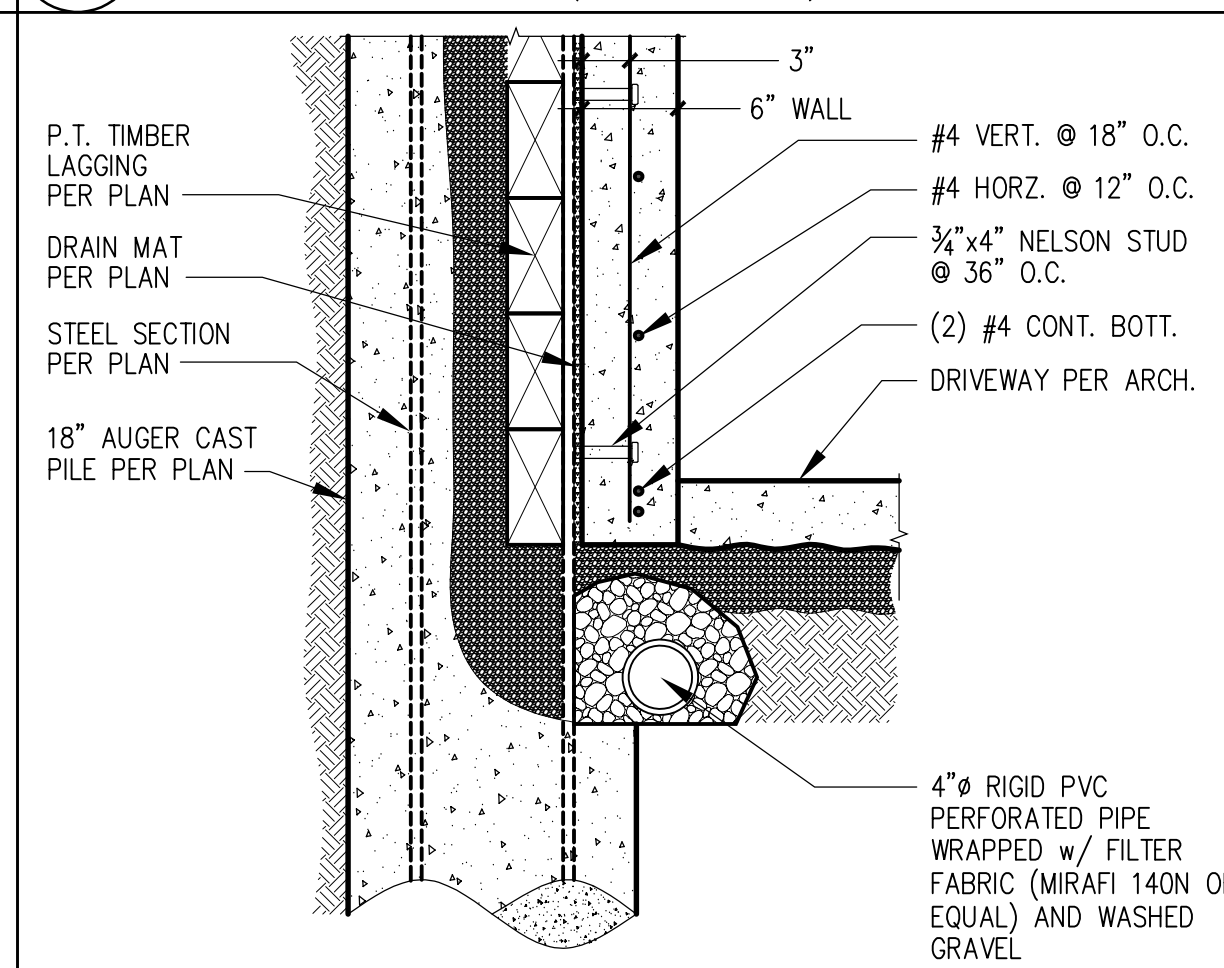
13 BALLOON WALL FRAMING @ RAISED FNDN.



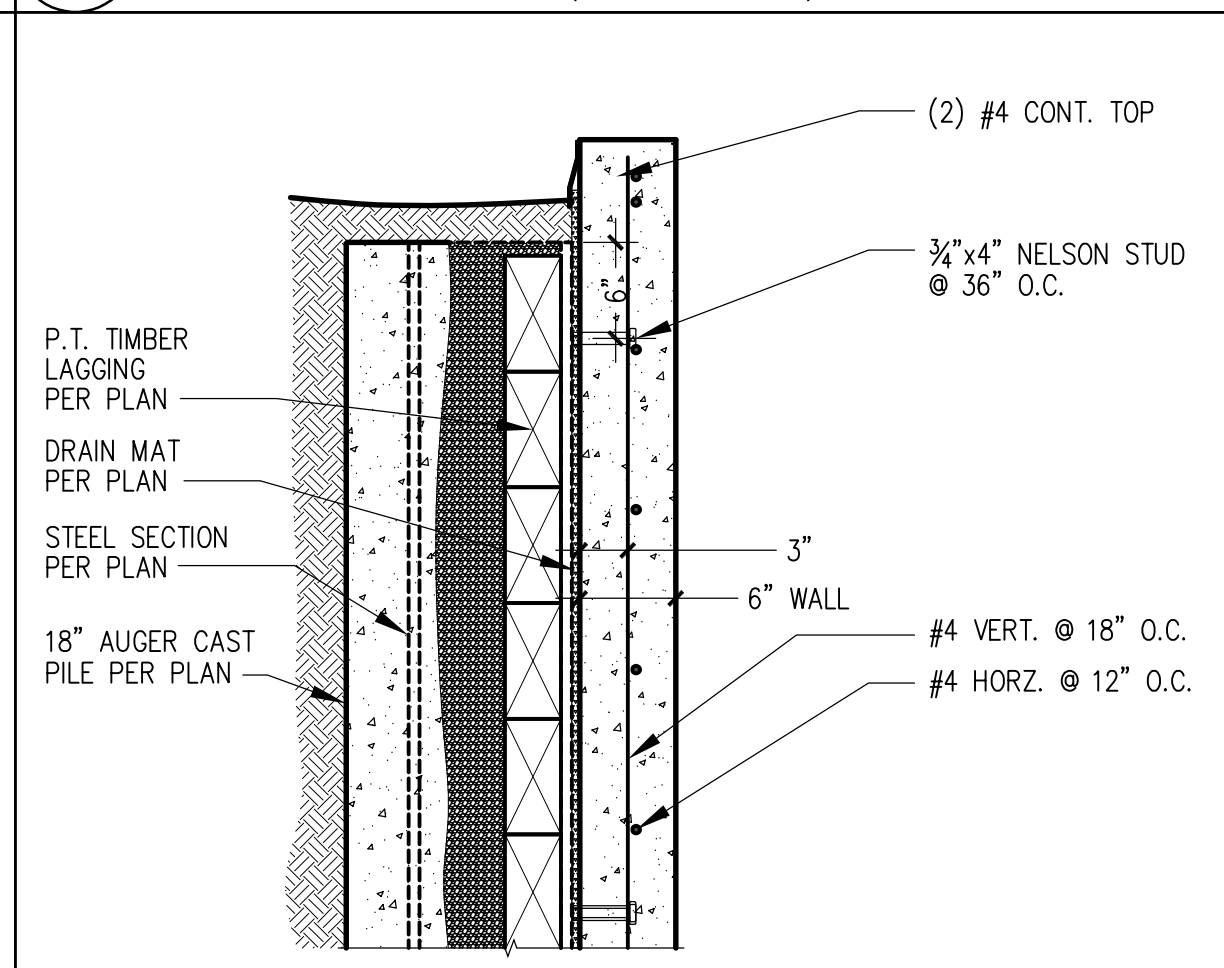
14 CONCRETE STAIRS @ GRADE BEAM



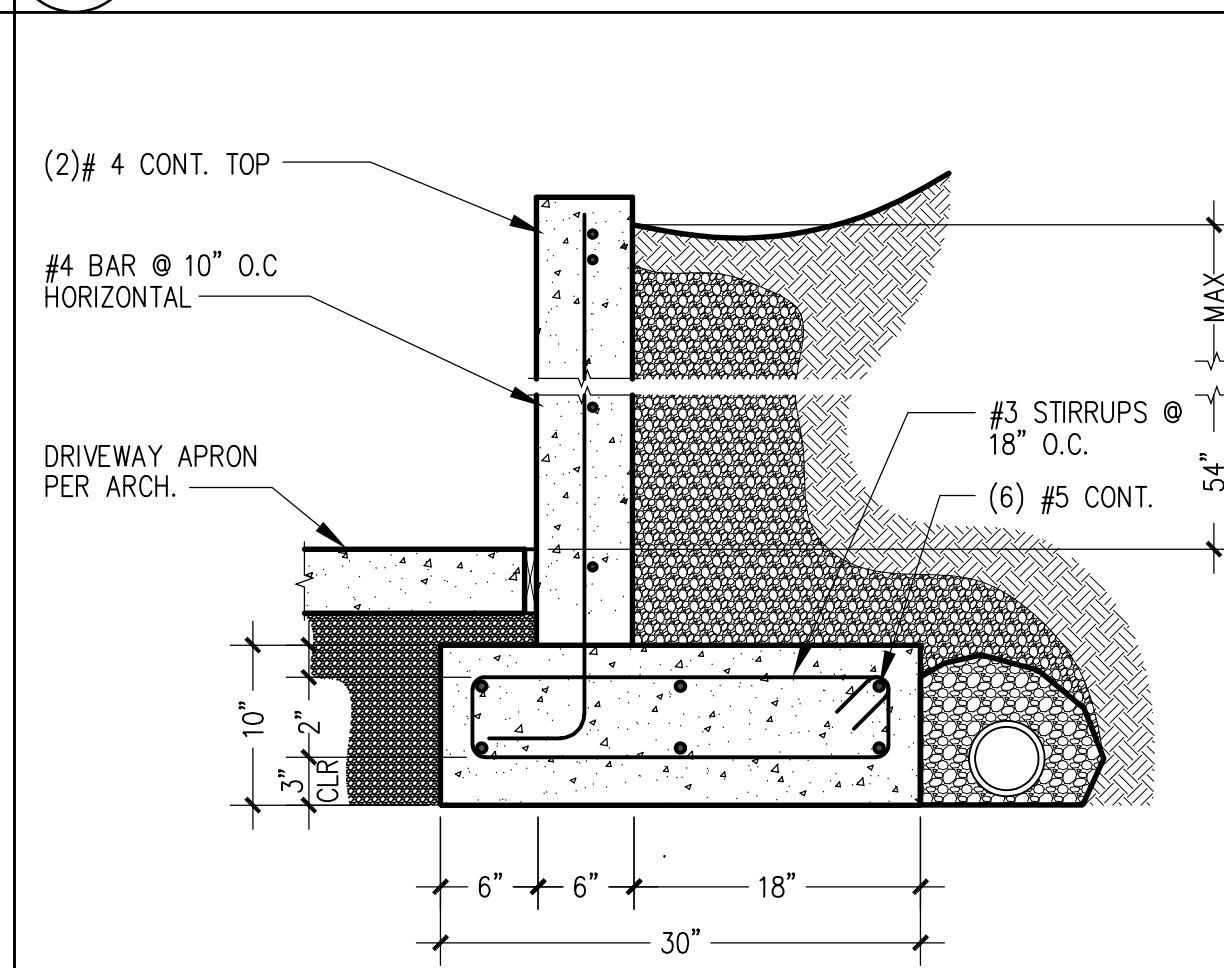
15 24" WIDE GRADE BEAM @ ENTRY



16 DRIVEWAY SITE WALL
(BASE OF SOUTH WALL)

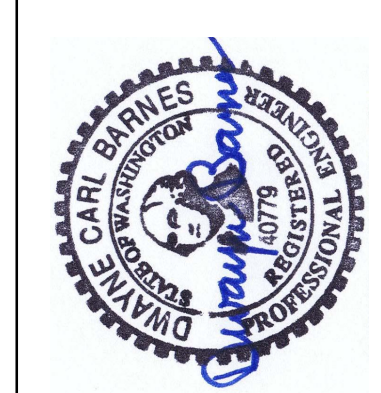


17 DRIVEWAY SITE WALL
(TOP OF SOUTH WALL)



18 RETAINING WALL @ SOUTH DRIVEWAY

Stoney Point Engineering
Dwayne Barnes P.E.
dwayne@stonepointengineering.com
Office: 425-644-9500



MI Treehouse, LLC
5637 East Mercer Way
Mercer Island, WA 98040

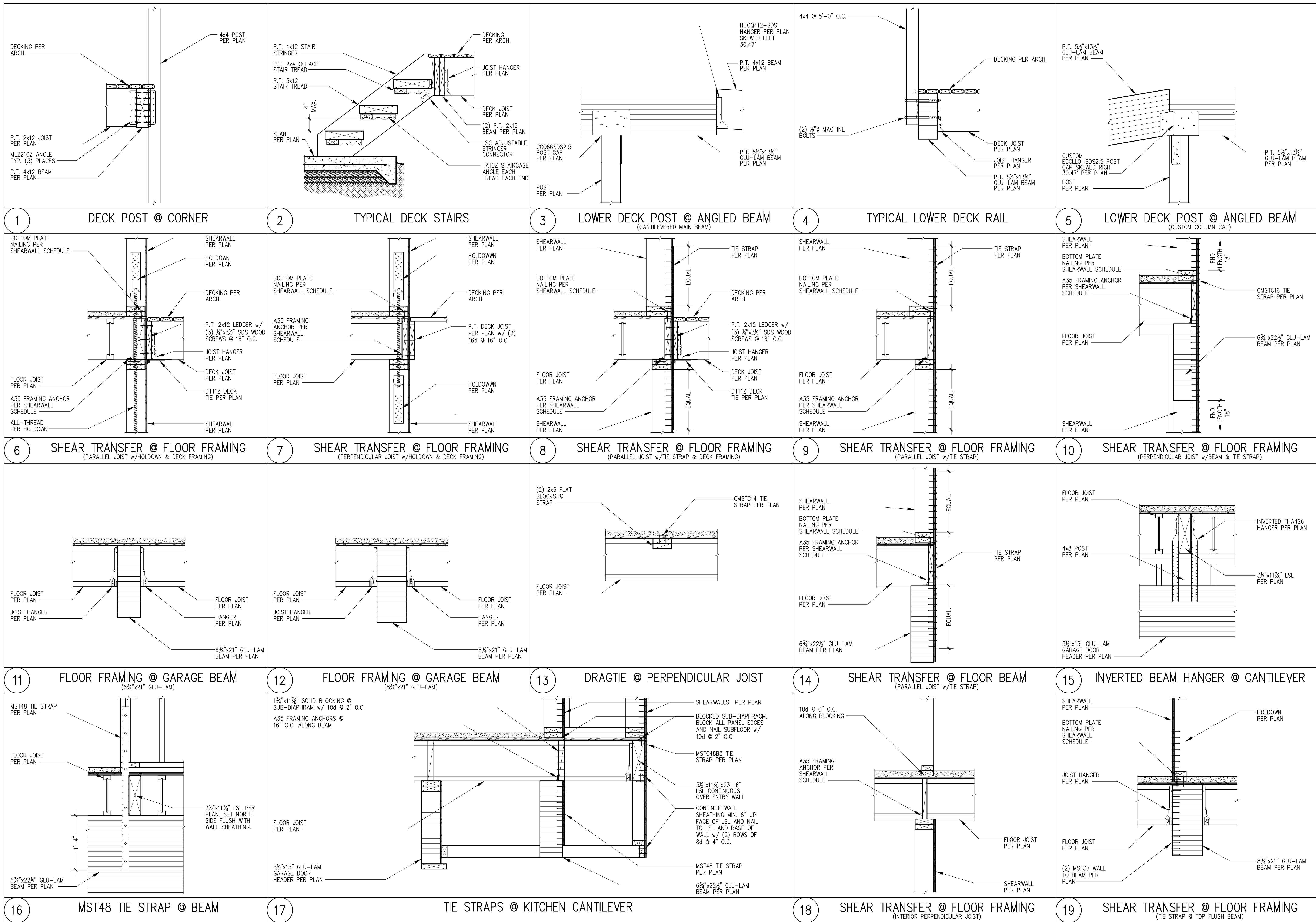
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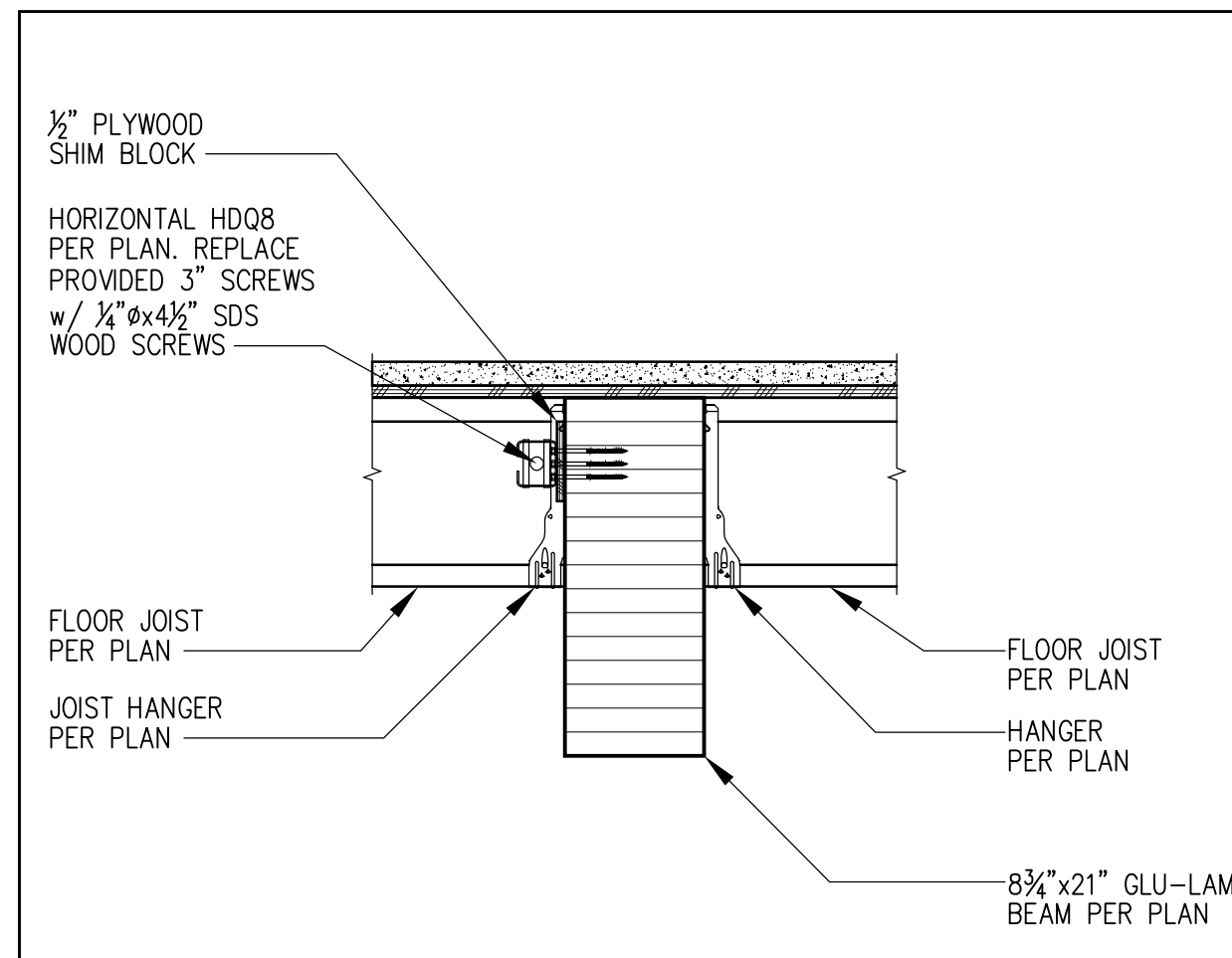
18-025

S3.1
FOUNDATION DETAILS

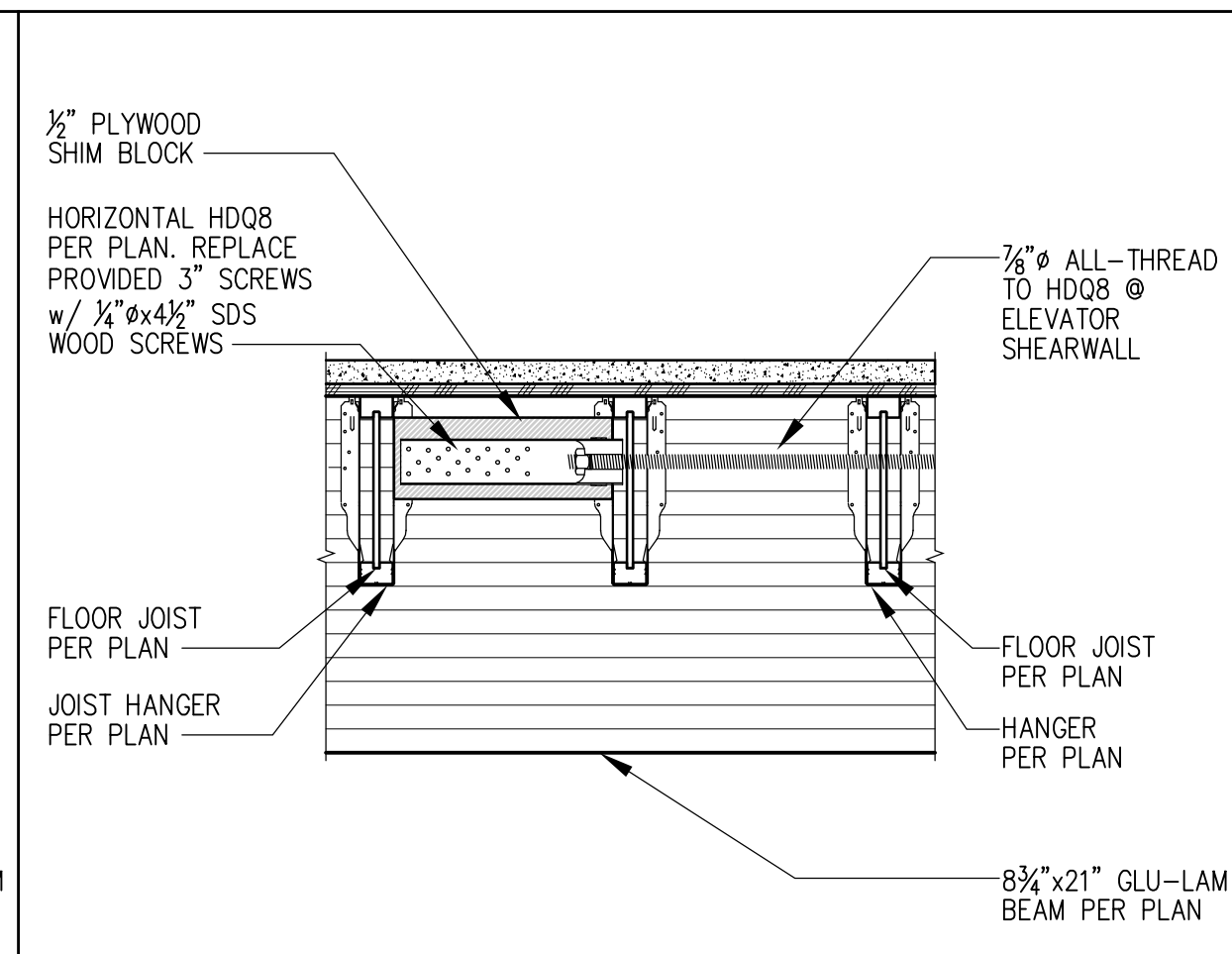


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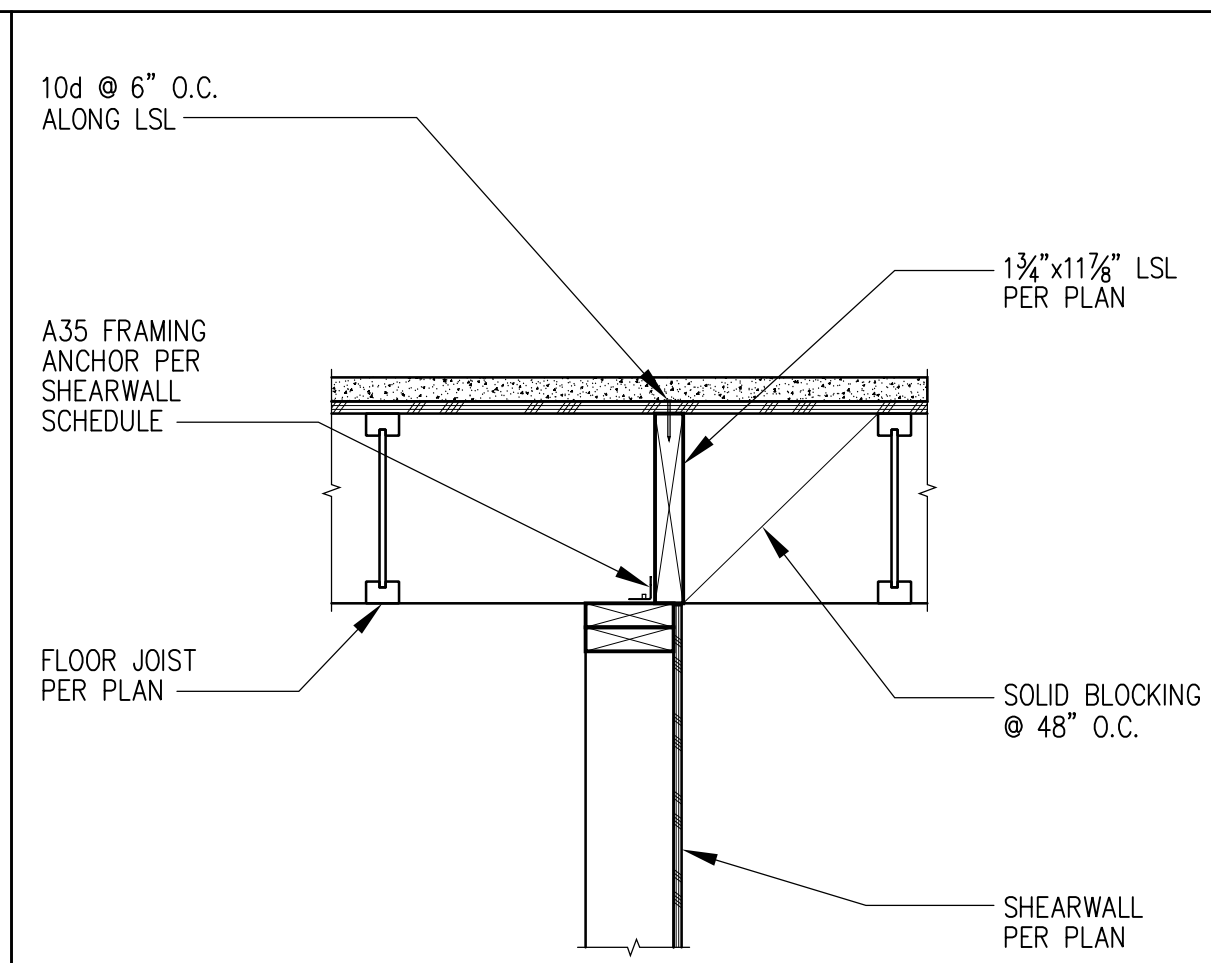
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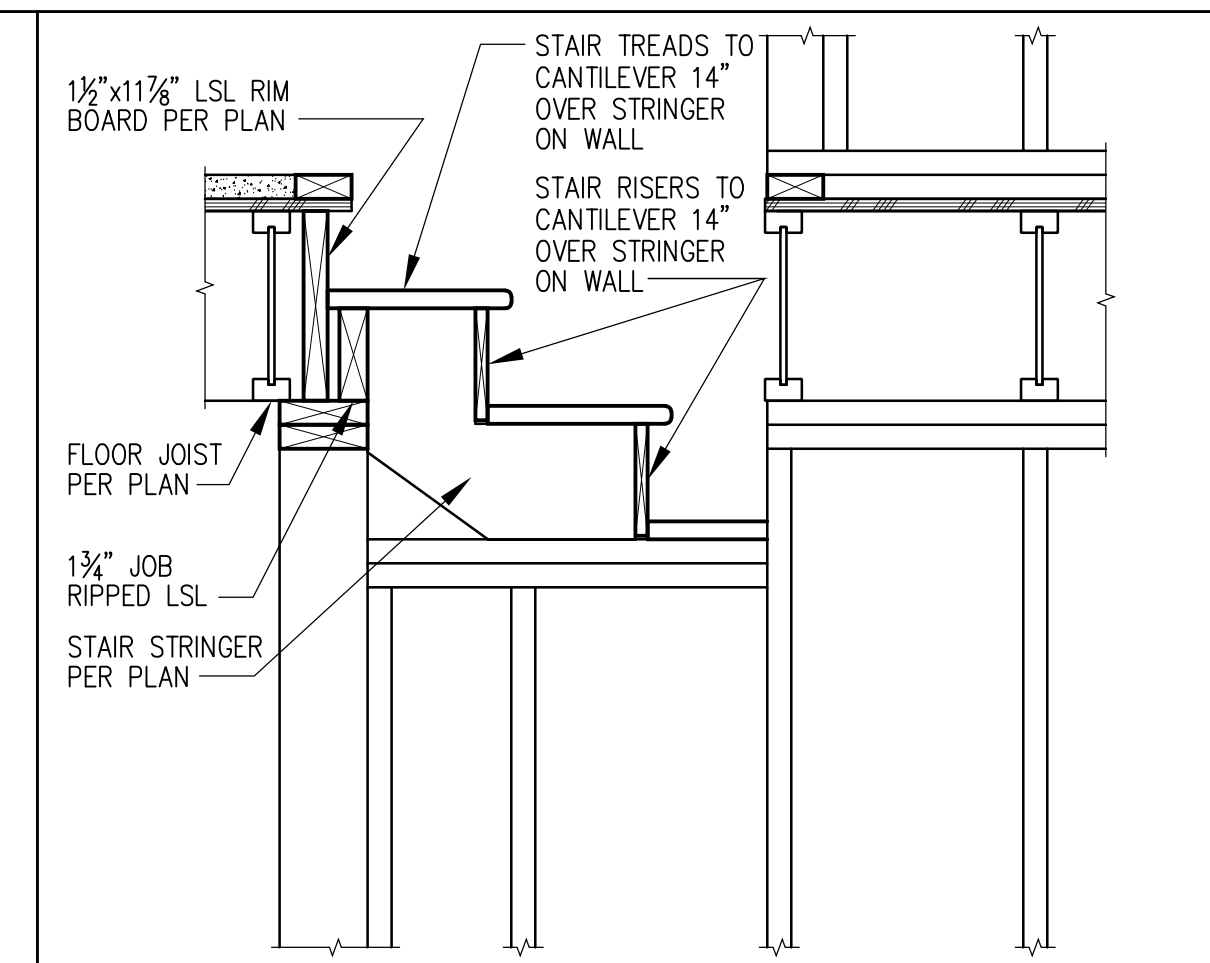
1 HORIZONTAL HDQ8 DRAGTIE @ GARAGE BEAM (SECTION VIEW)



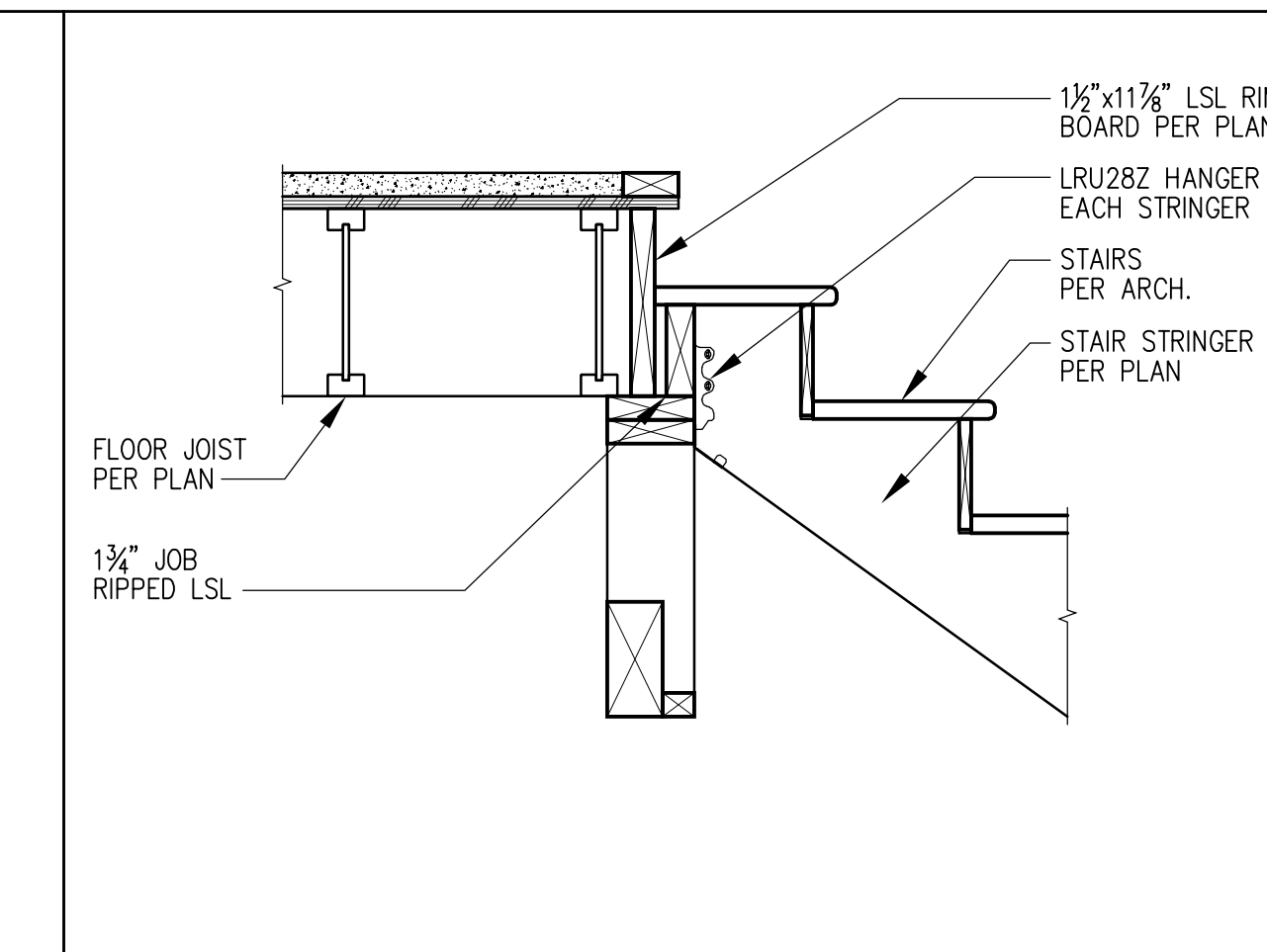
2 HORIZONTAL HDQ8 DRAGTIE @ GARAGE BEAM (ELEVATION VIEW)



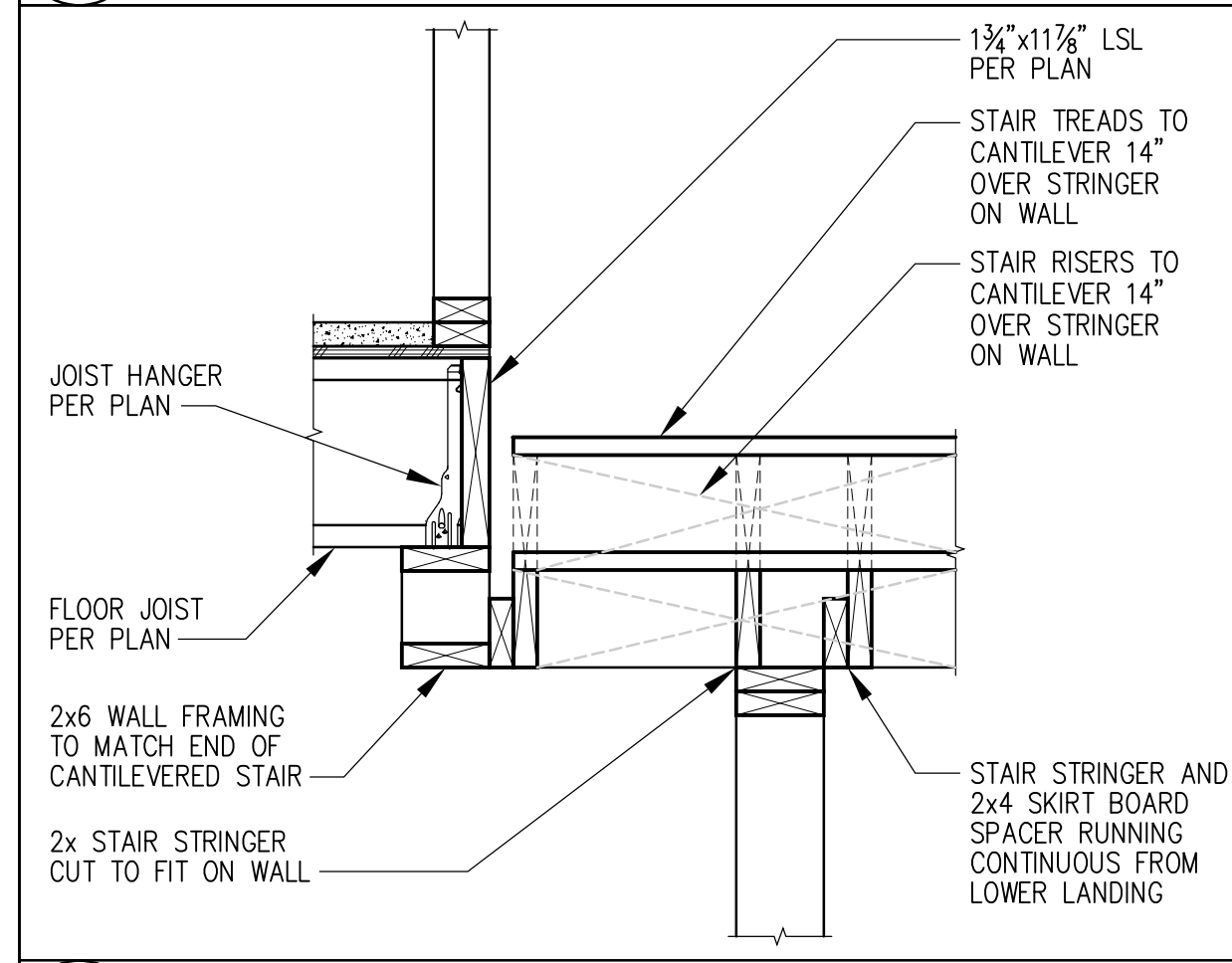
3 SHEAR TRANSFER @ FLOOR FRAMING (INTERIOR PARALLEL JOIST)



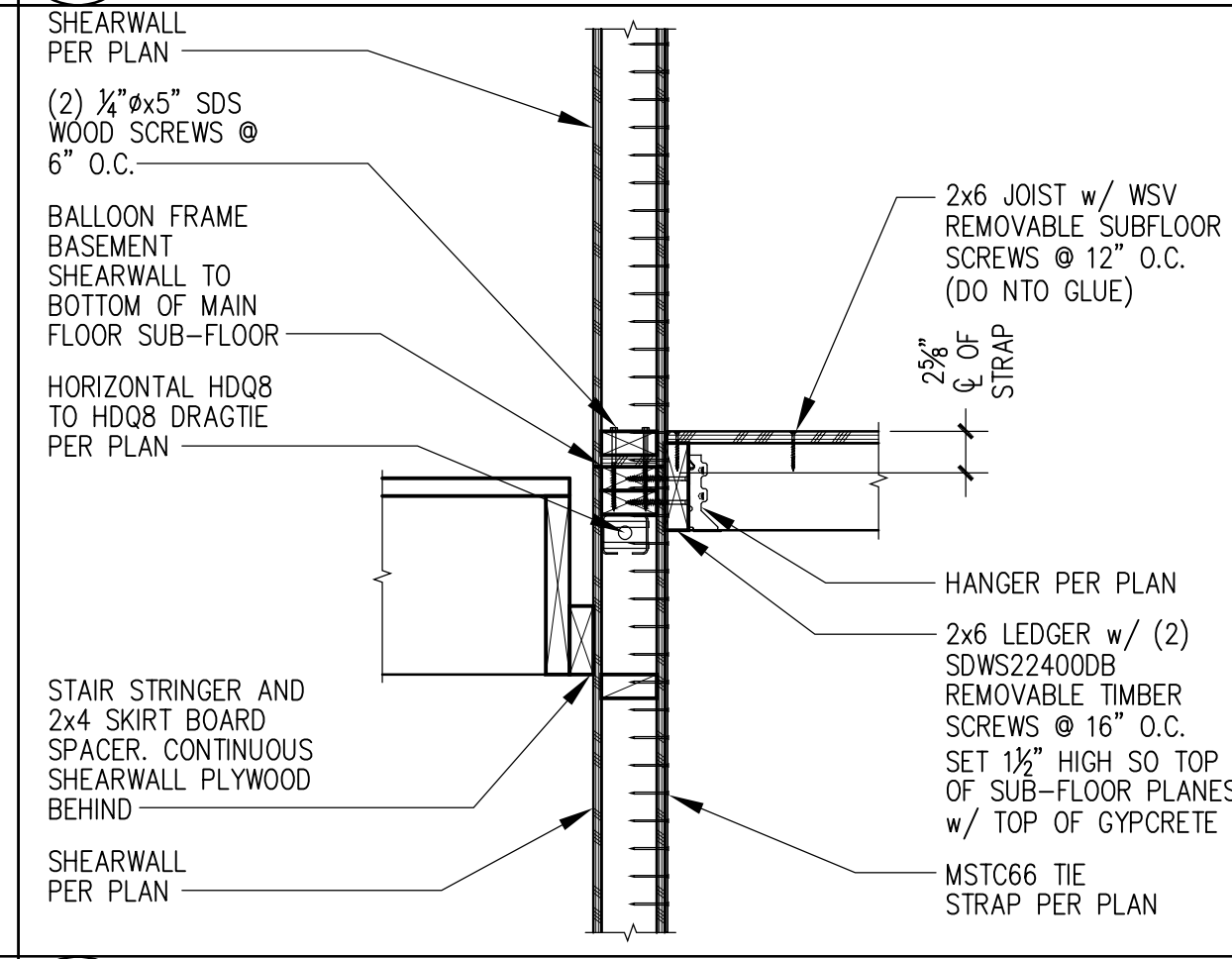
4 STAIR STRINGER FRAMING (BASEMENT STAIRS @ CANTILEVERED STAIR FRAMING)



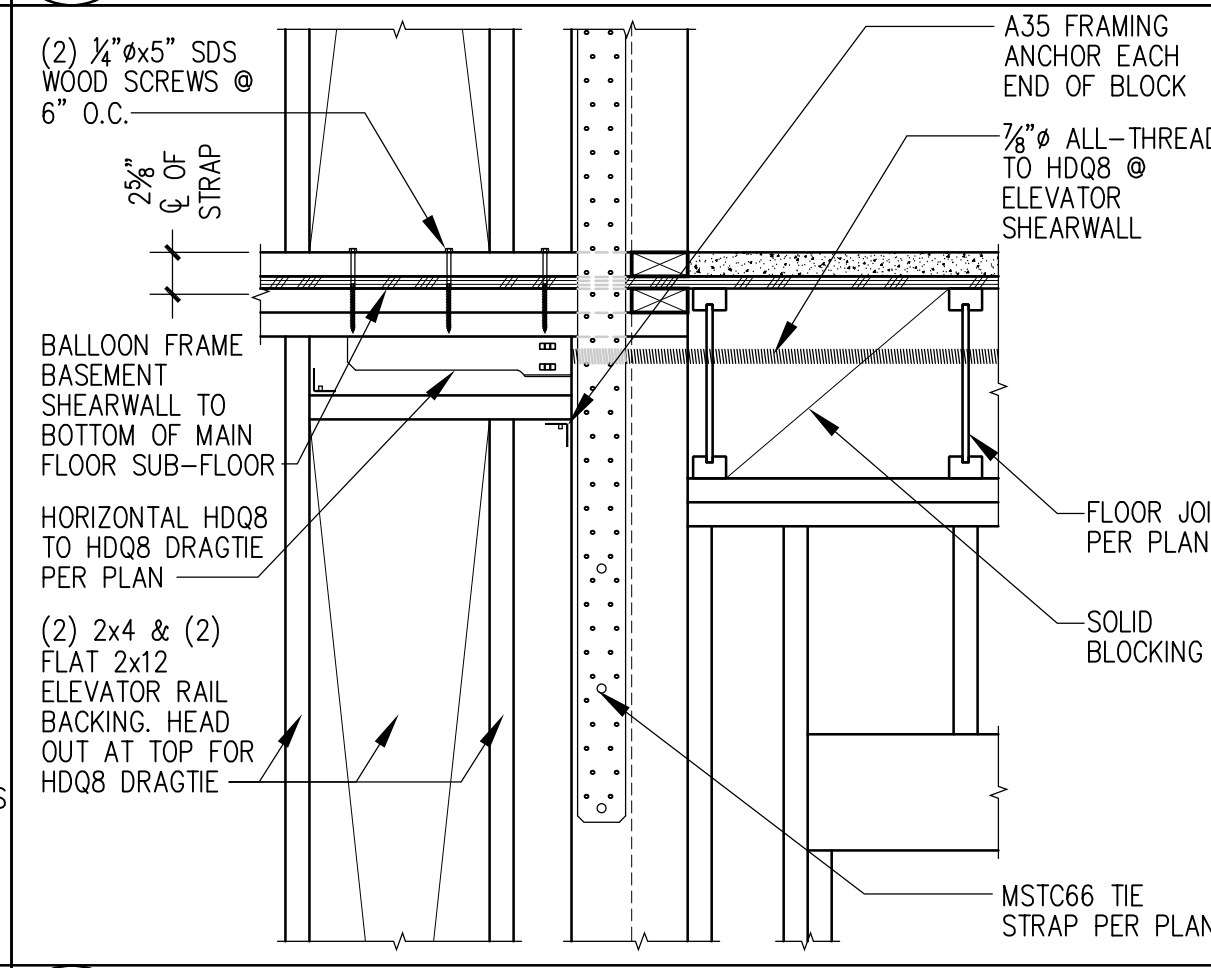
5 STAIR STRINGER FRAMING (MAIN FLOOR TO LOWER MID LANDING)



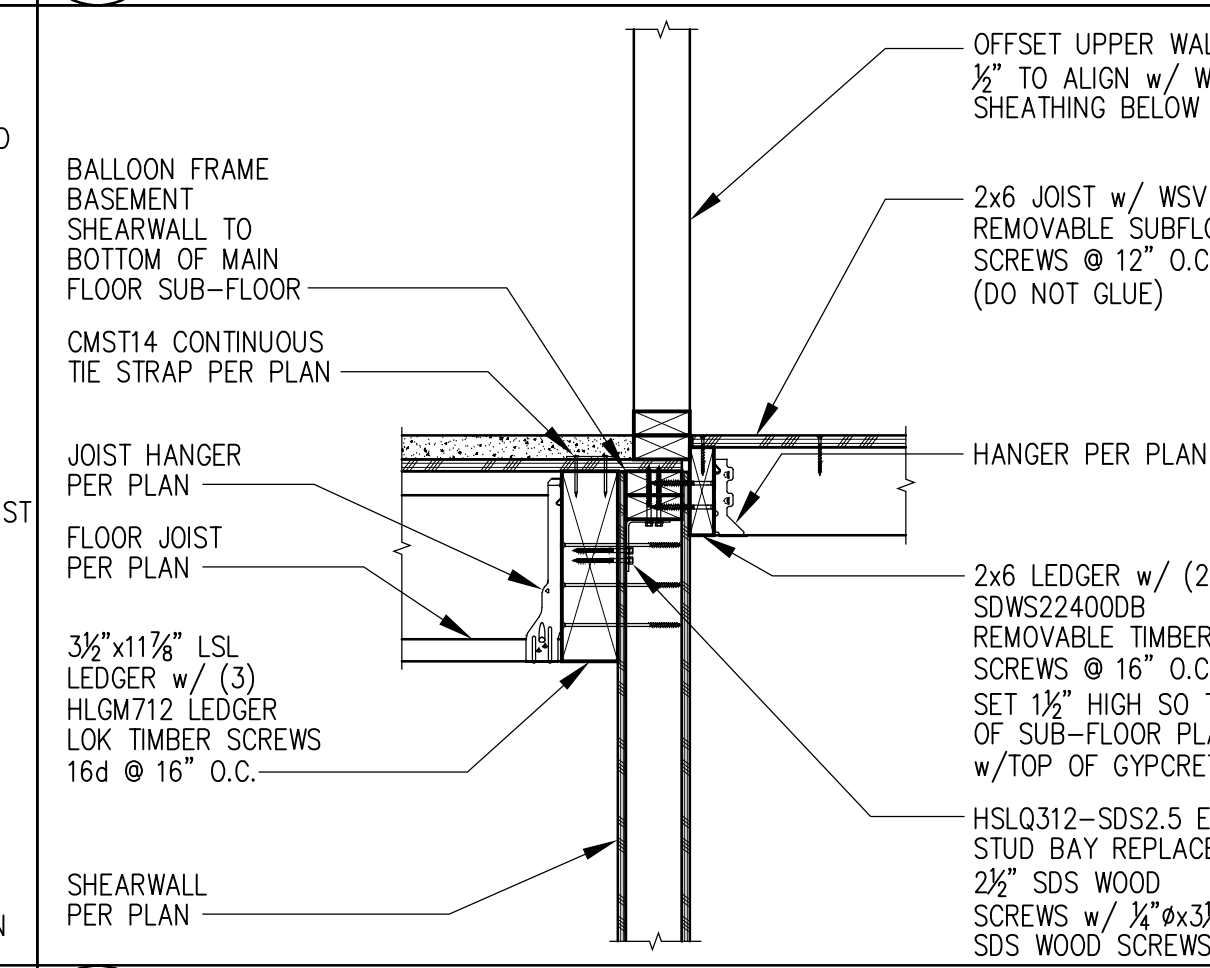
6 STAIR WALL FRAMING (BASEMENT STAIRS @ CANTILEVERED STAIR FRAMING)



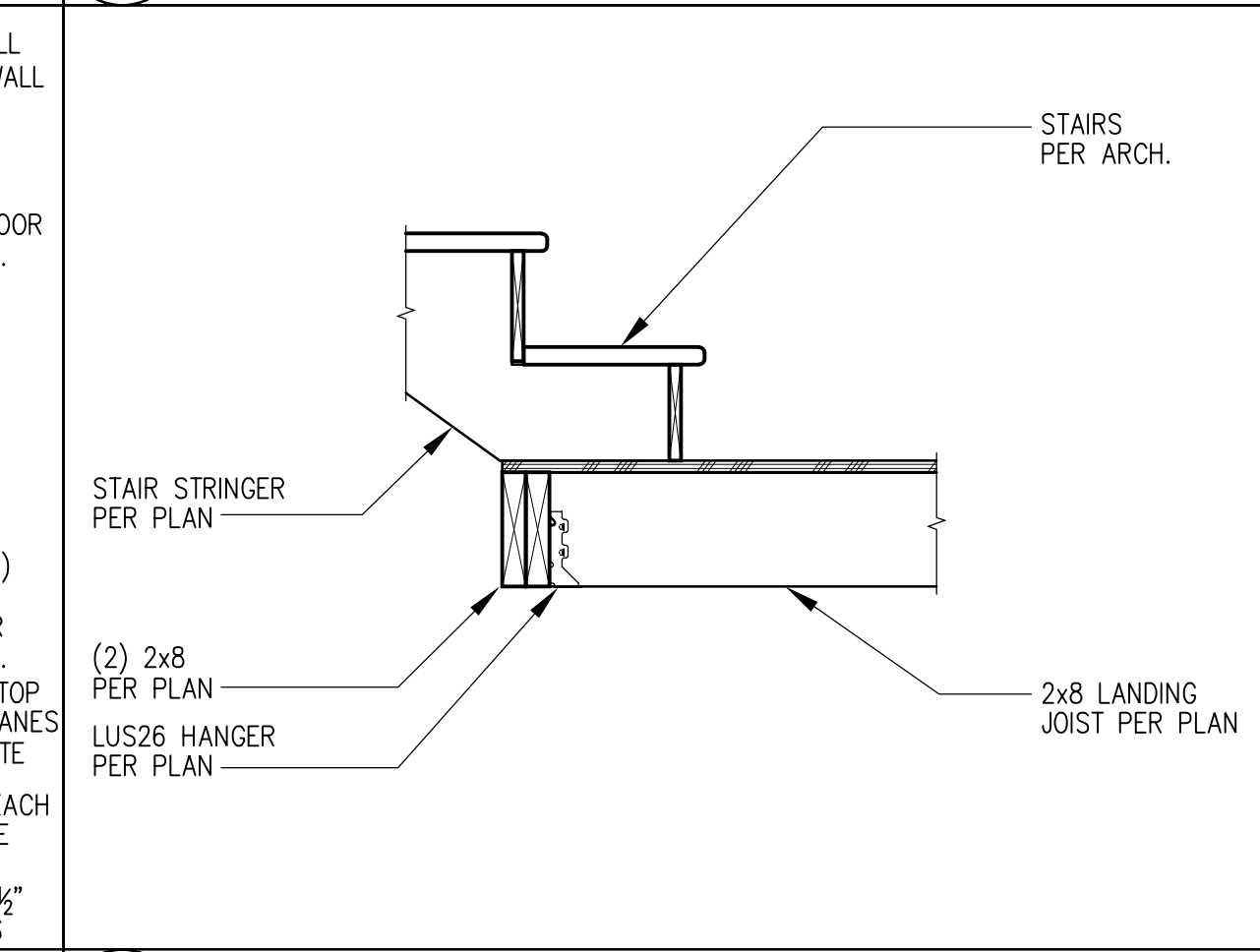
7 SHEAR TRANSFER @ FLOOR FRAMING (SECTION VIEW OF DRAGTIE @ ELEVATOR SHAFT WEST WALL)



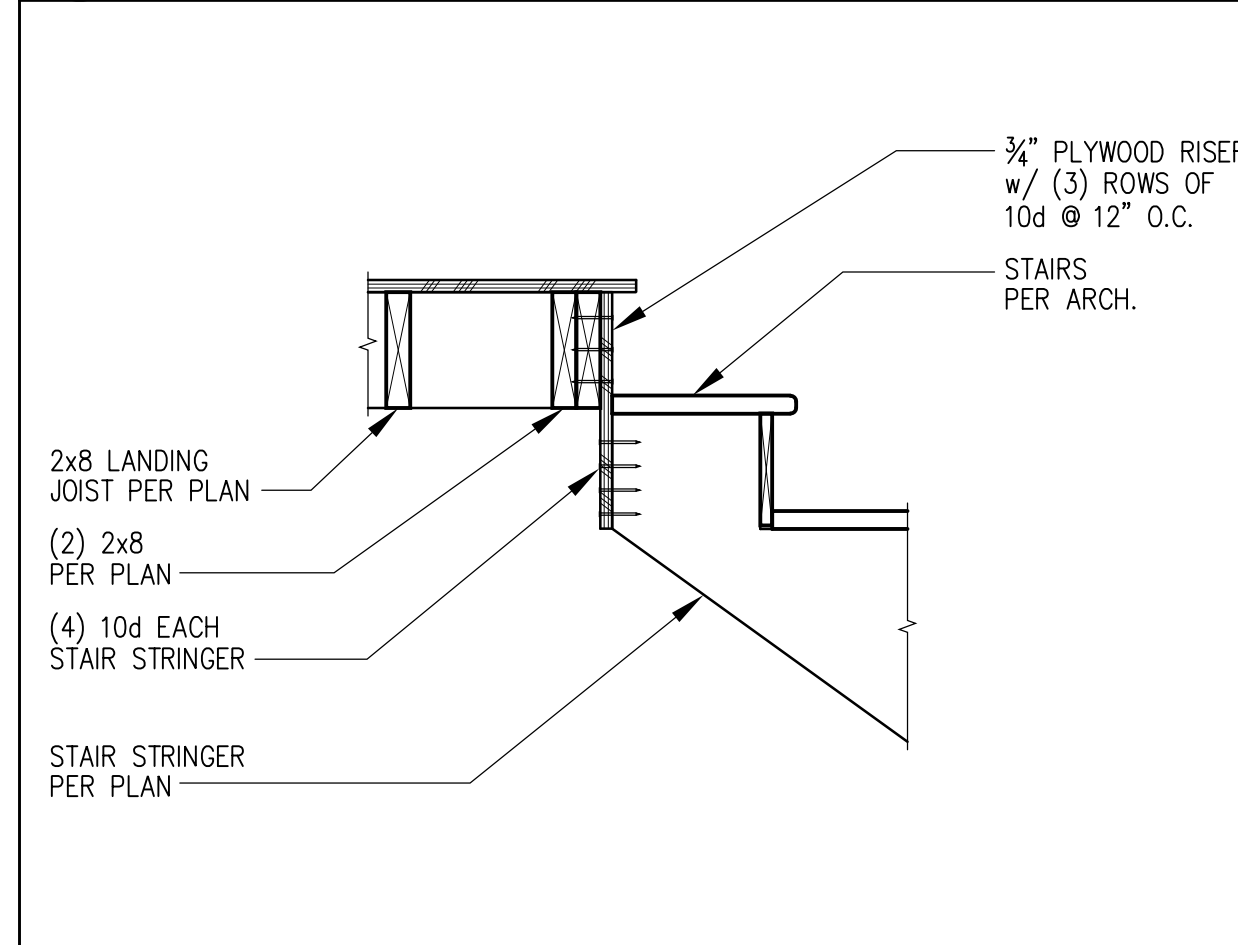
8 SHEAR TRANSFER @ FLOOR FRAMING (ELEVATION VIEW OF DRAGTIE @ ELEVATOR SHAFT WEST WALL)



9 SHEAR TRANSFER @ FLOOR FRAMING (SECTION VIEW @ EAST ELEVATOR SHAFT)



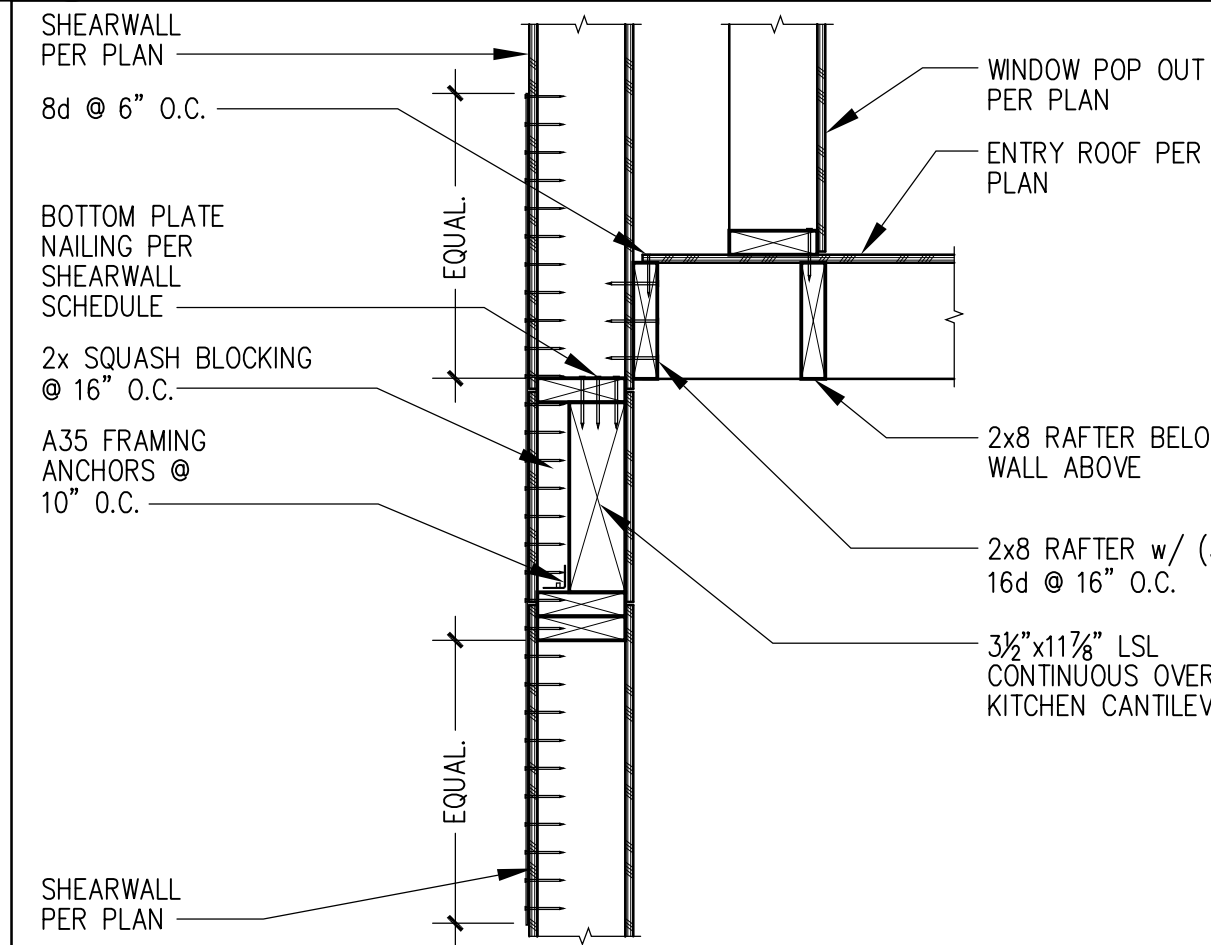
10 LOWER MID-FLOOR LANDING (LANDING TO MAIN FLOOR)



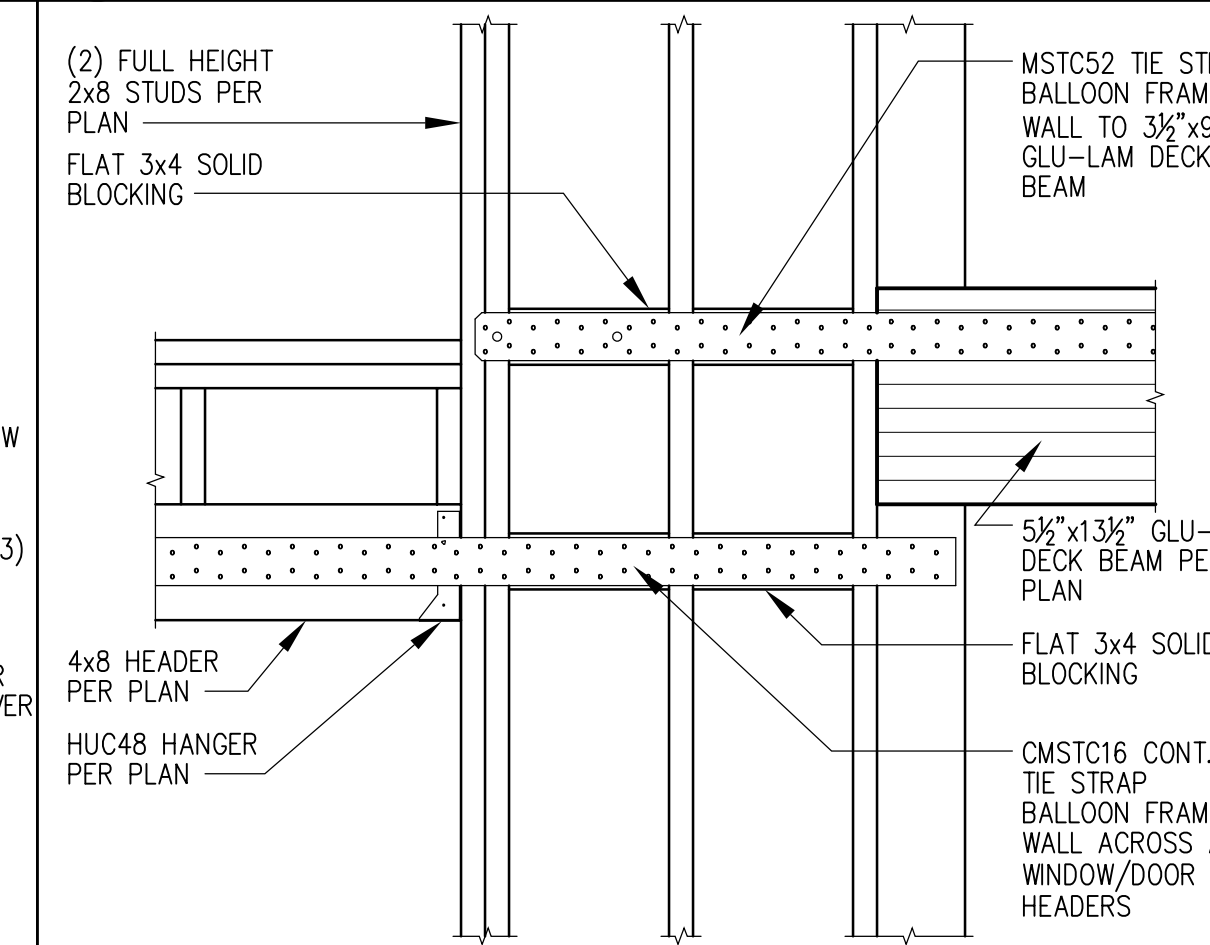
11 LOWER MID-FLOOR LANDING (LANDING TO LOWER FLOOR)



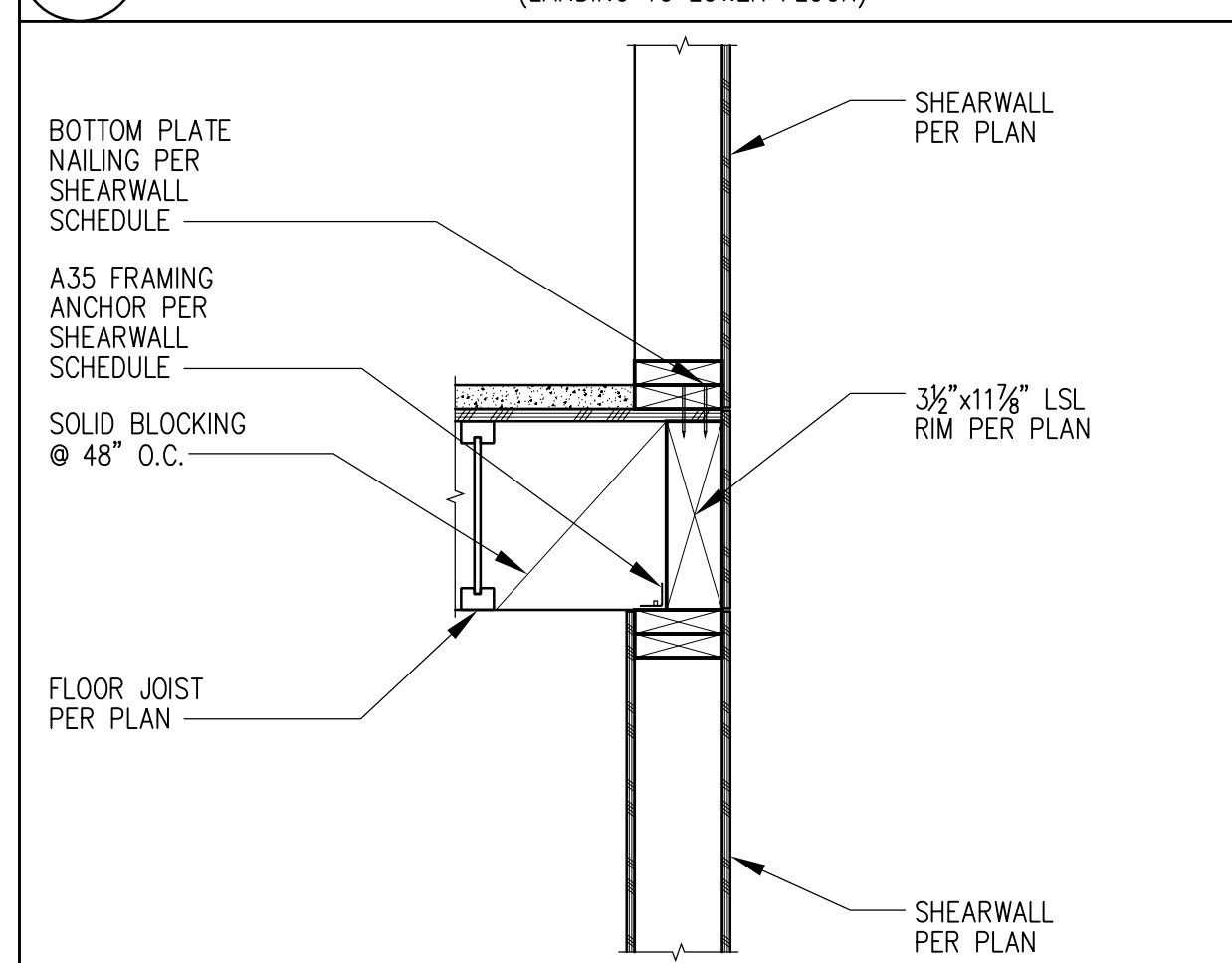
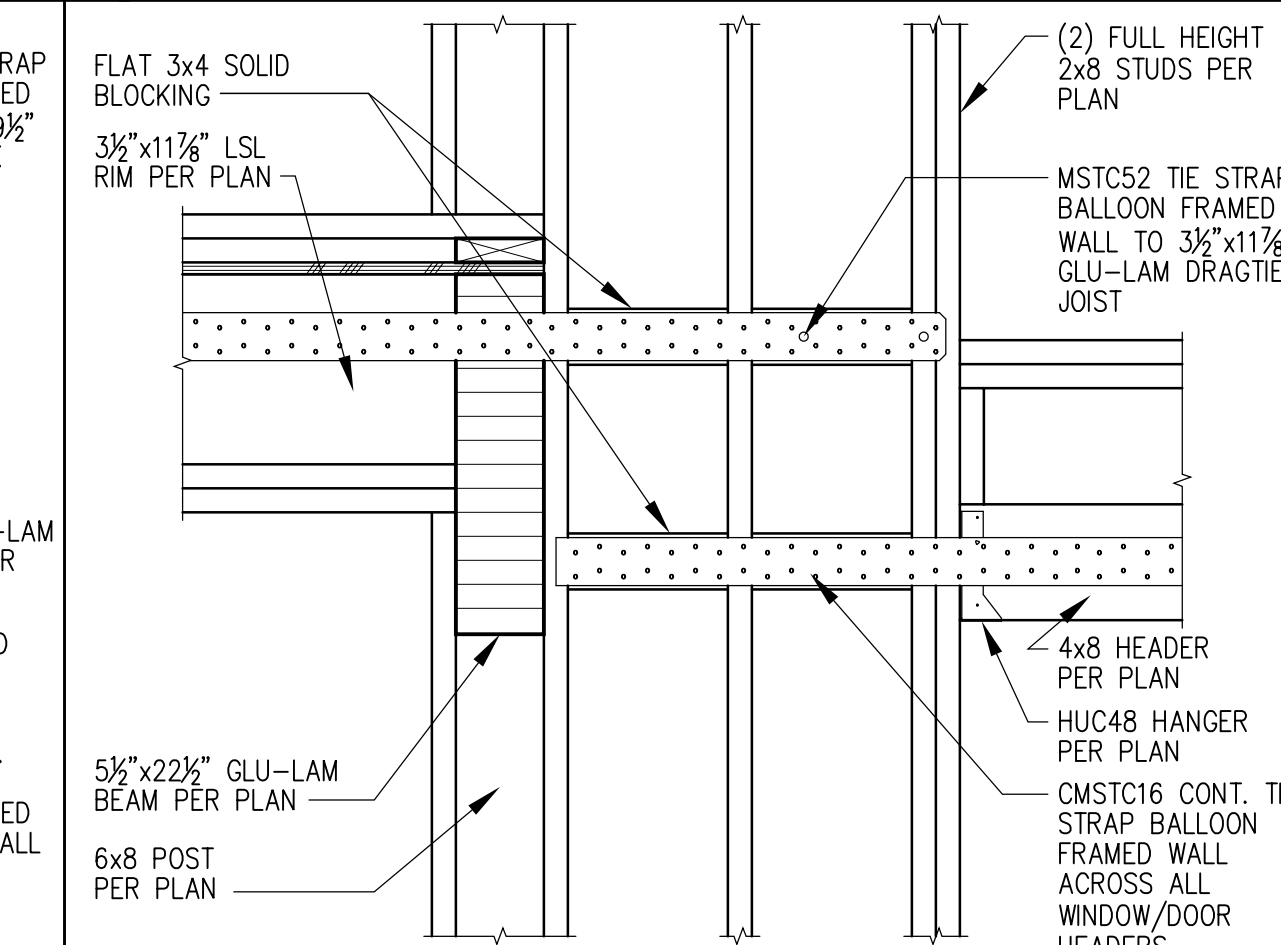
13 SHEAR TRANSFER @ ENTRY ROOF



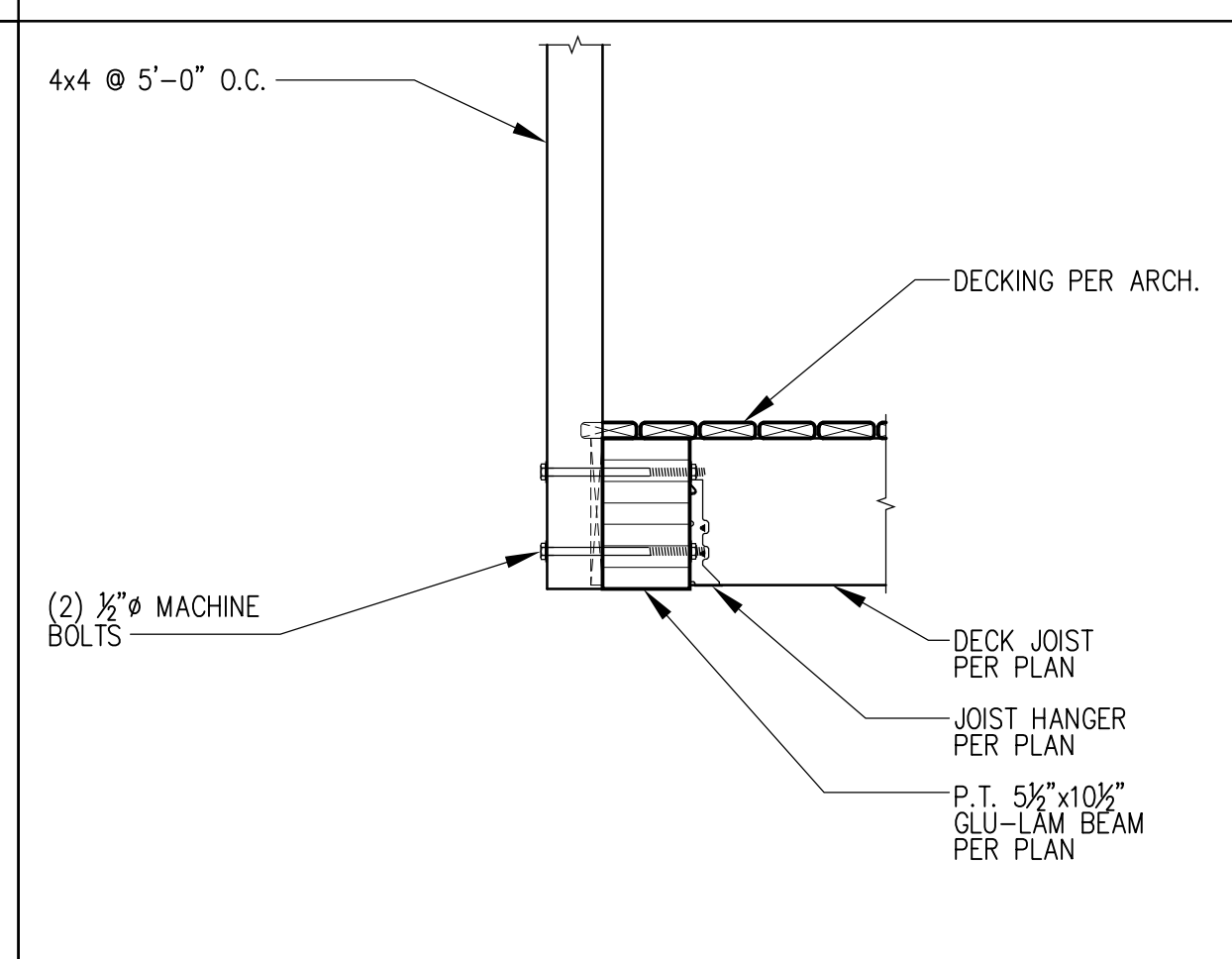
14 TIE STRAP GREAT ROOM TO DECK BEAM



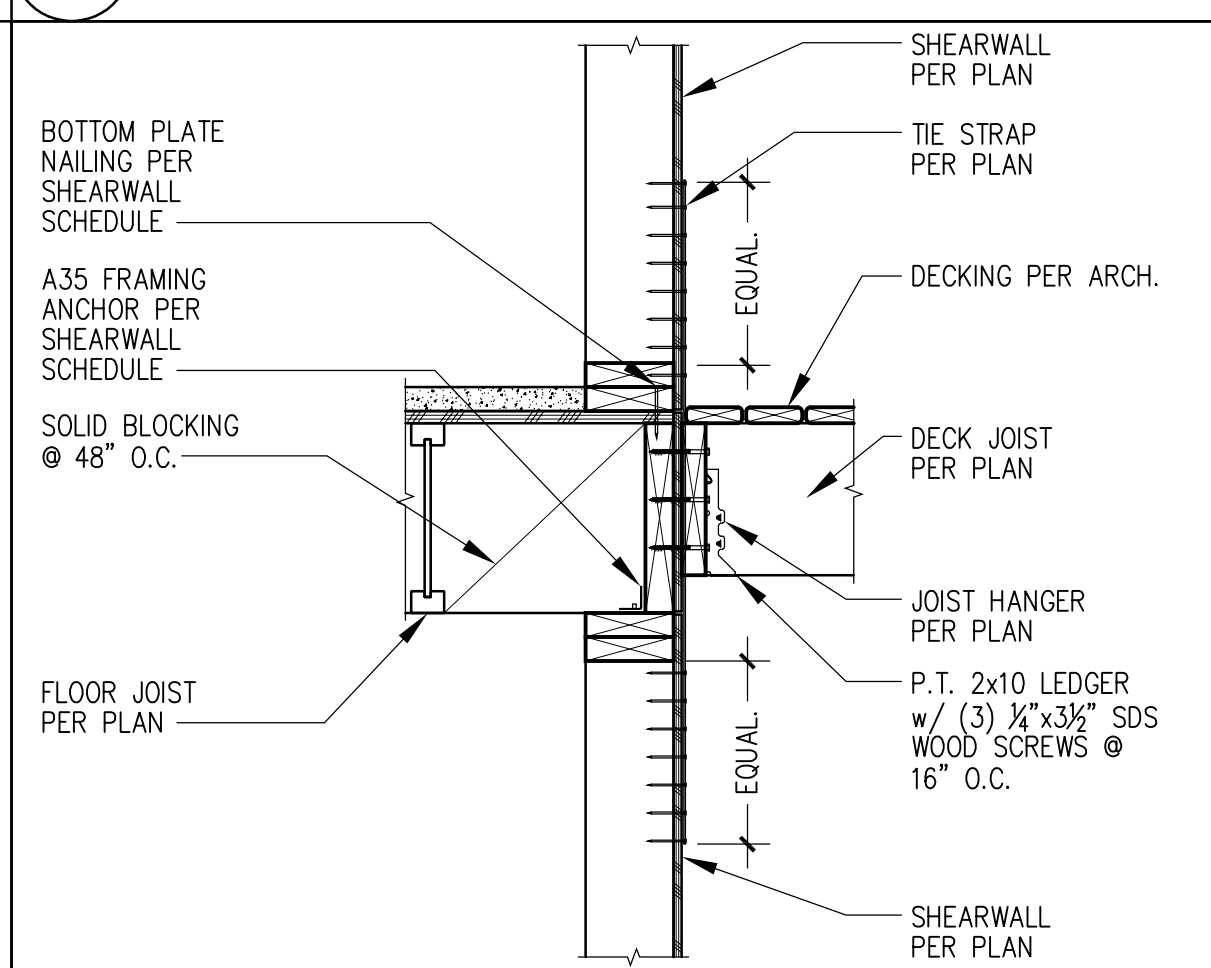
15 TIE STRAP GREAT ROOM TO FLOOR FRAMING



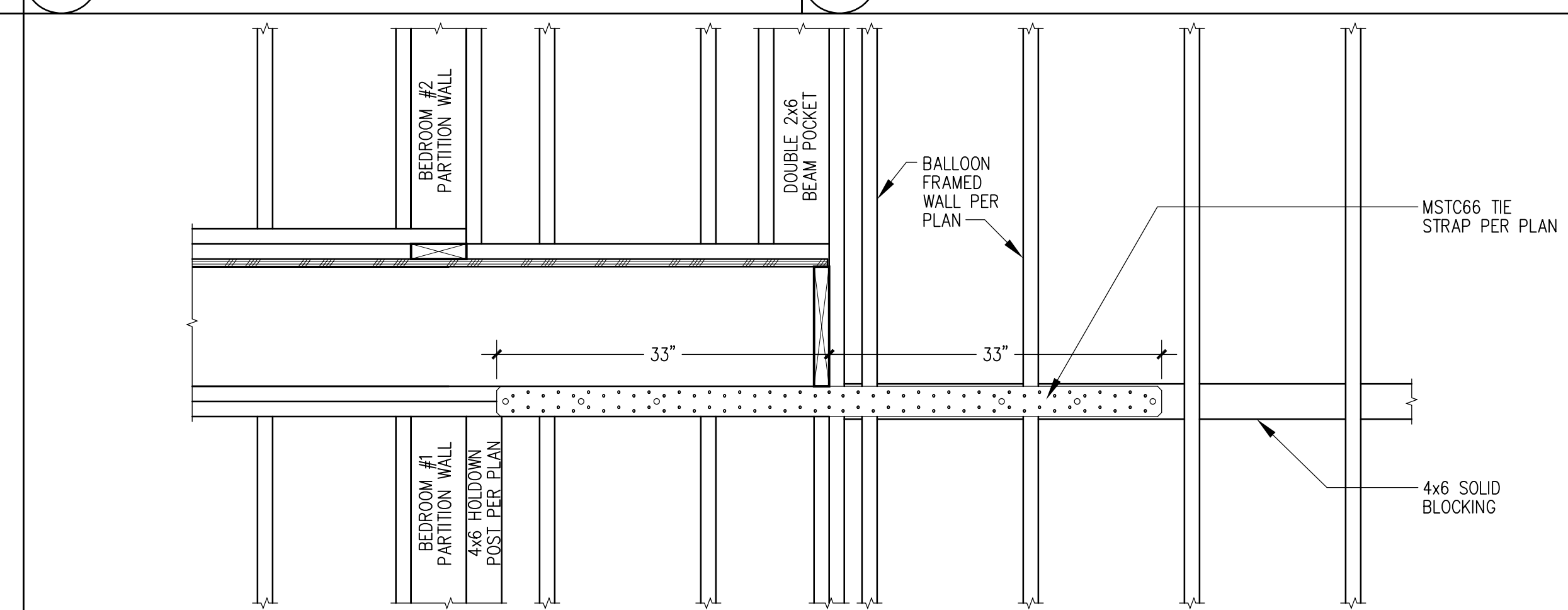
16 SHEAR TRANSFER @ FLOOR FRAMING (PARALLEL JOIST w/ DOUBLE SIDED SHEARWALL)



17 TYPICAL UPPER DECK BEAM (FLUSH)



18 SHEAR TRANSFER @ FLOOR FRAMING (PARALLEL JOIST w/ TIE STRAP)



19 TIE STRAP @ GREAT ROOM BALLOON WALL

Stoney Point Engineering
 Dwayne Barnes P.E.
 dwayne@stonepointengineering.com
 Office: 425-644-9500



MI Treehouse, LLC
 5637 East Mercer Way
 Mercer Island, WA 98084

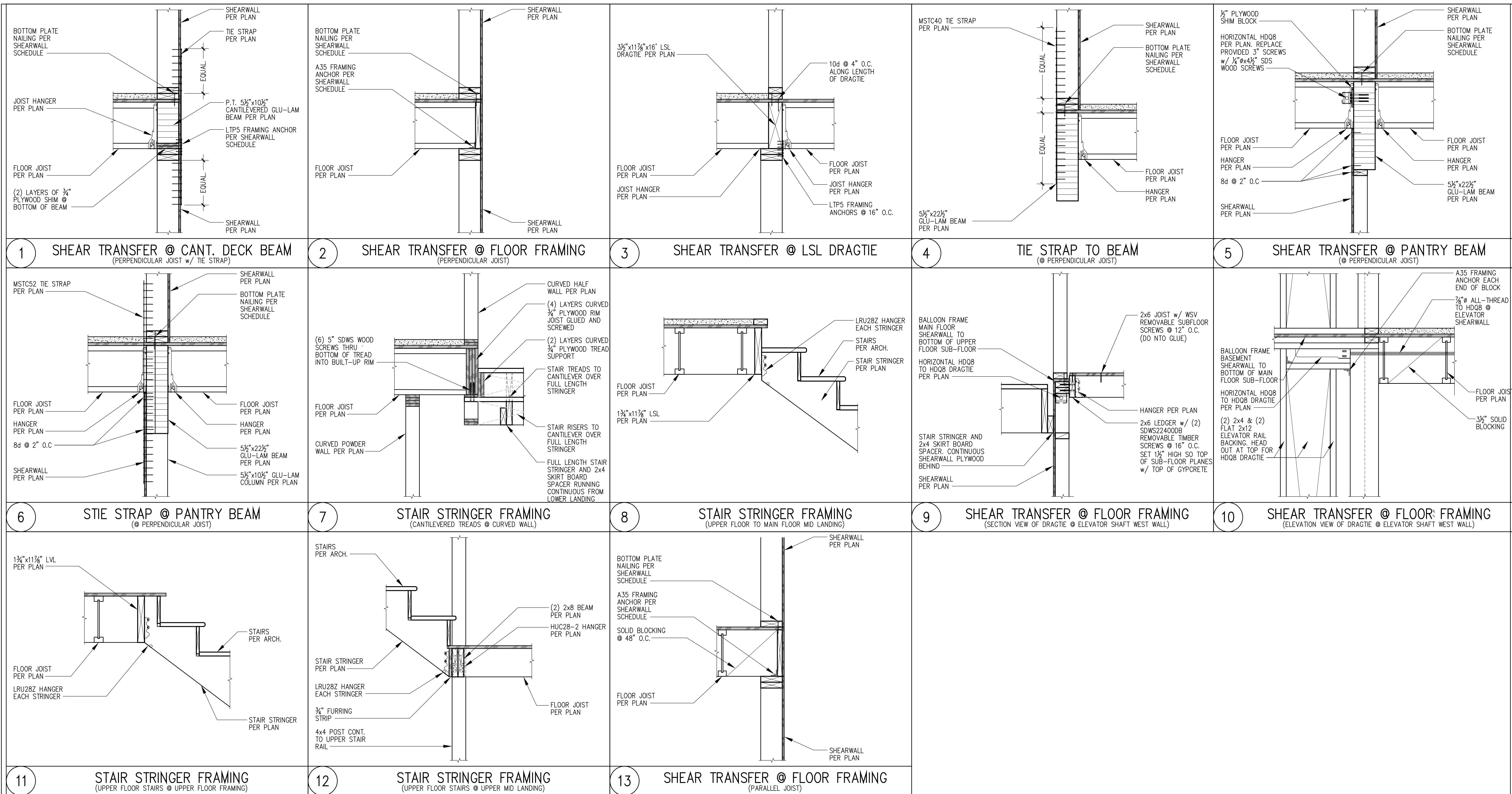
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S4.1
 FRAMING DETAILS



Stoney Point Engineering
 Dwayne Barnes P.E.
 dwayne@stonepointengineering.com
 Office: 425-644-9500



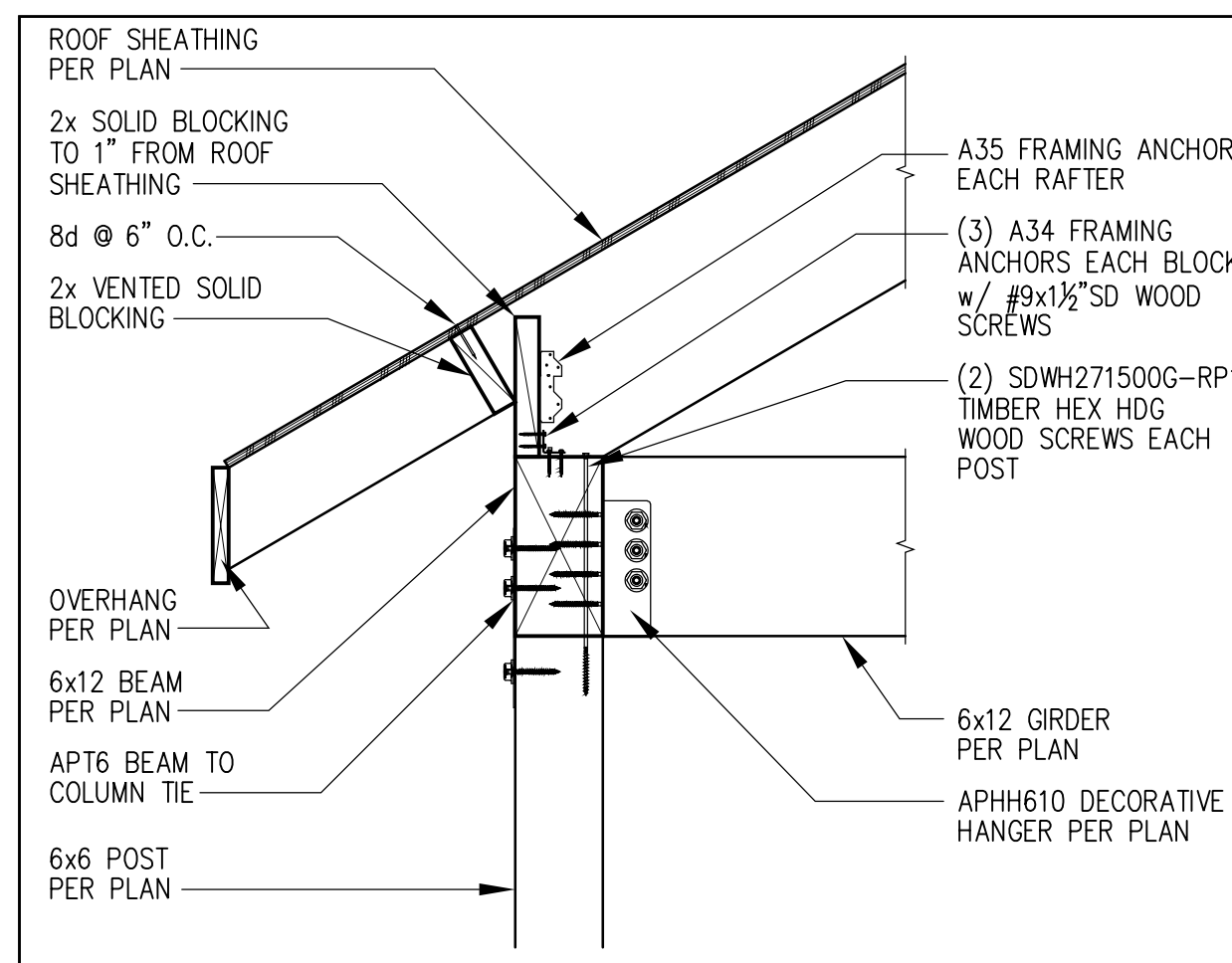
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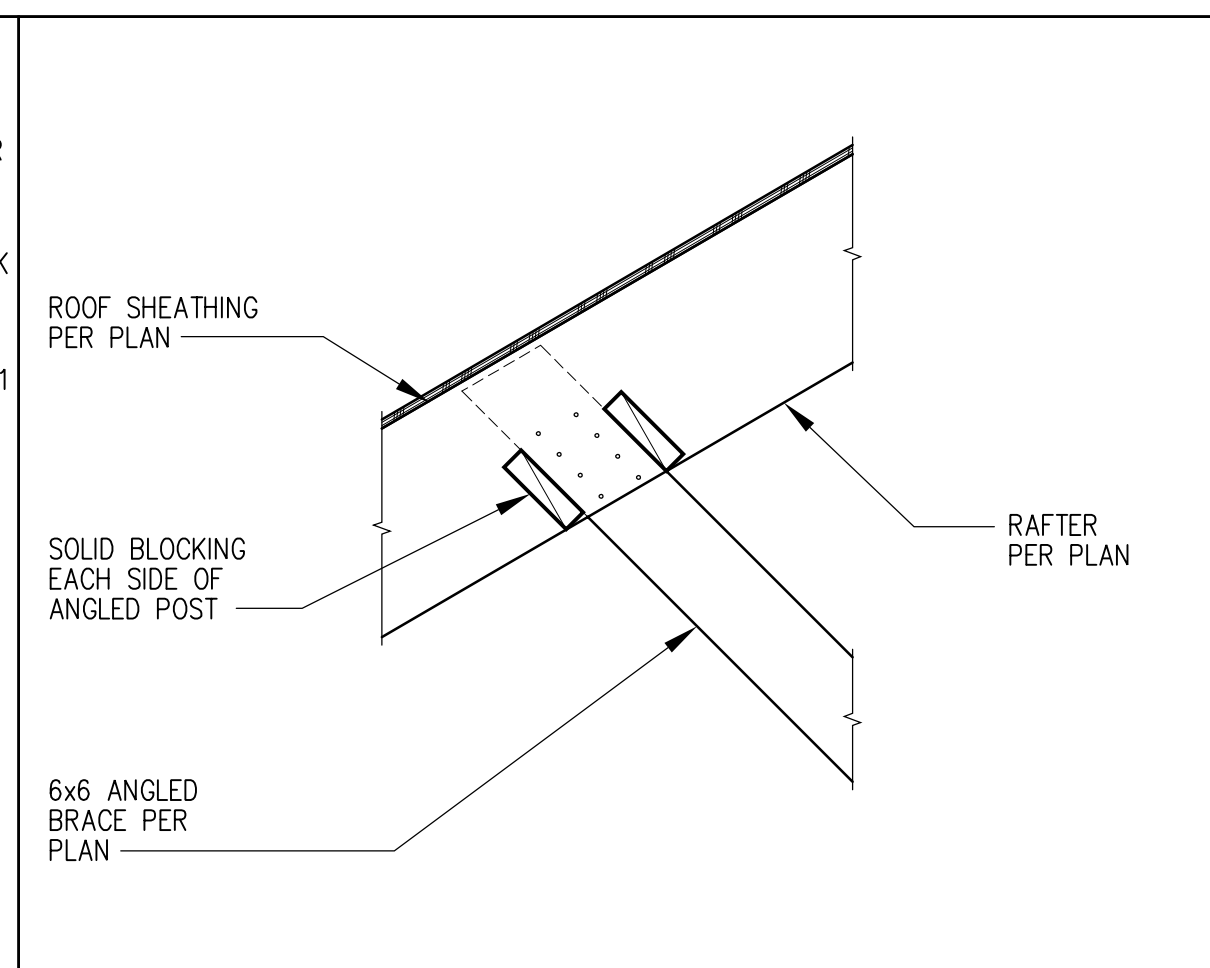
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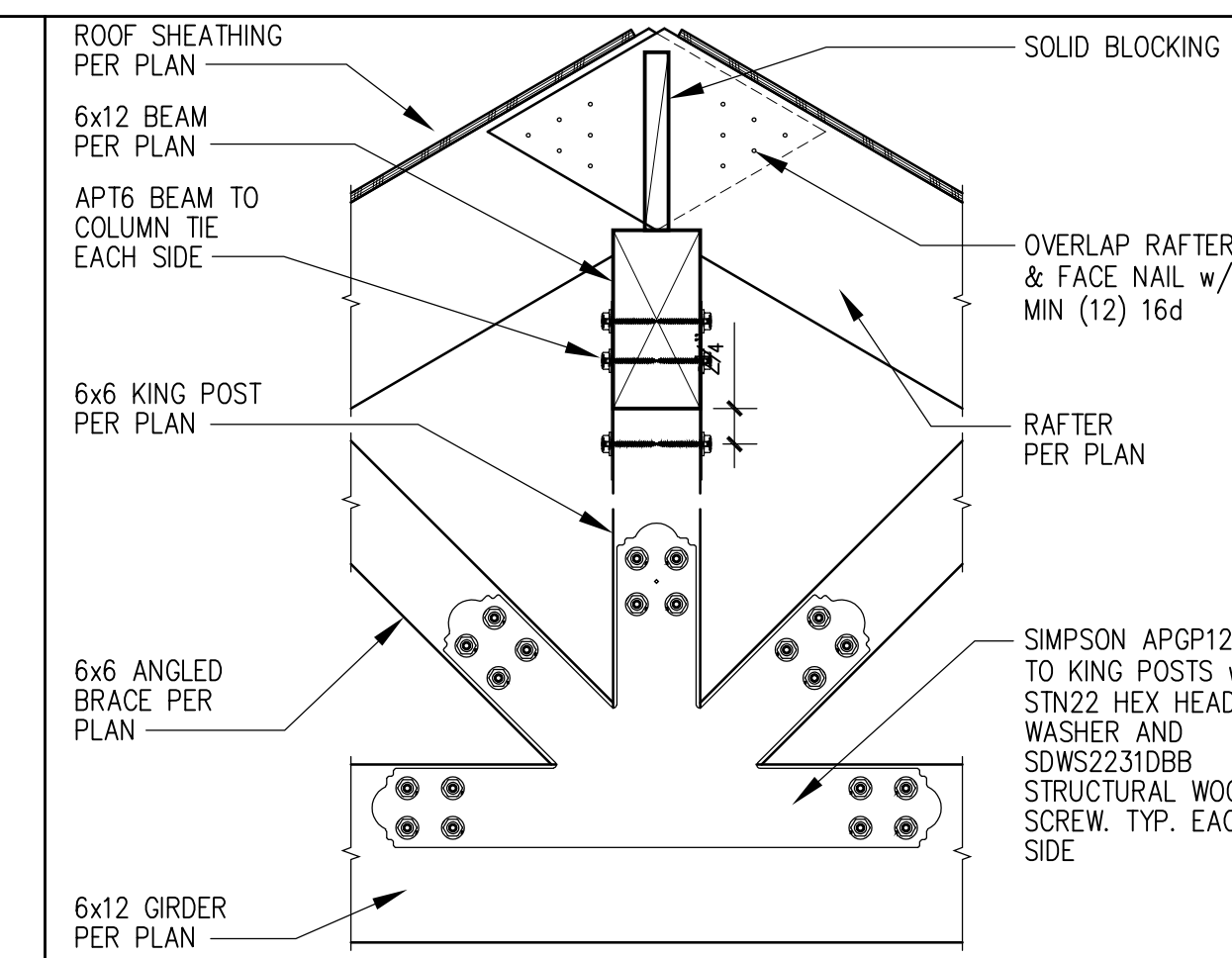
S4.2
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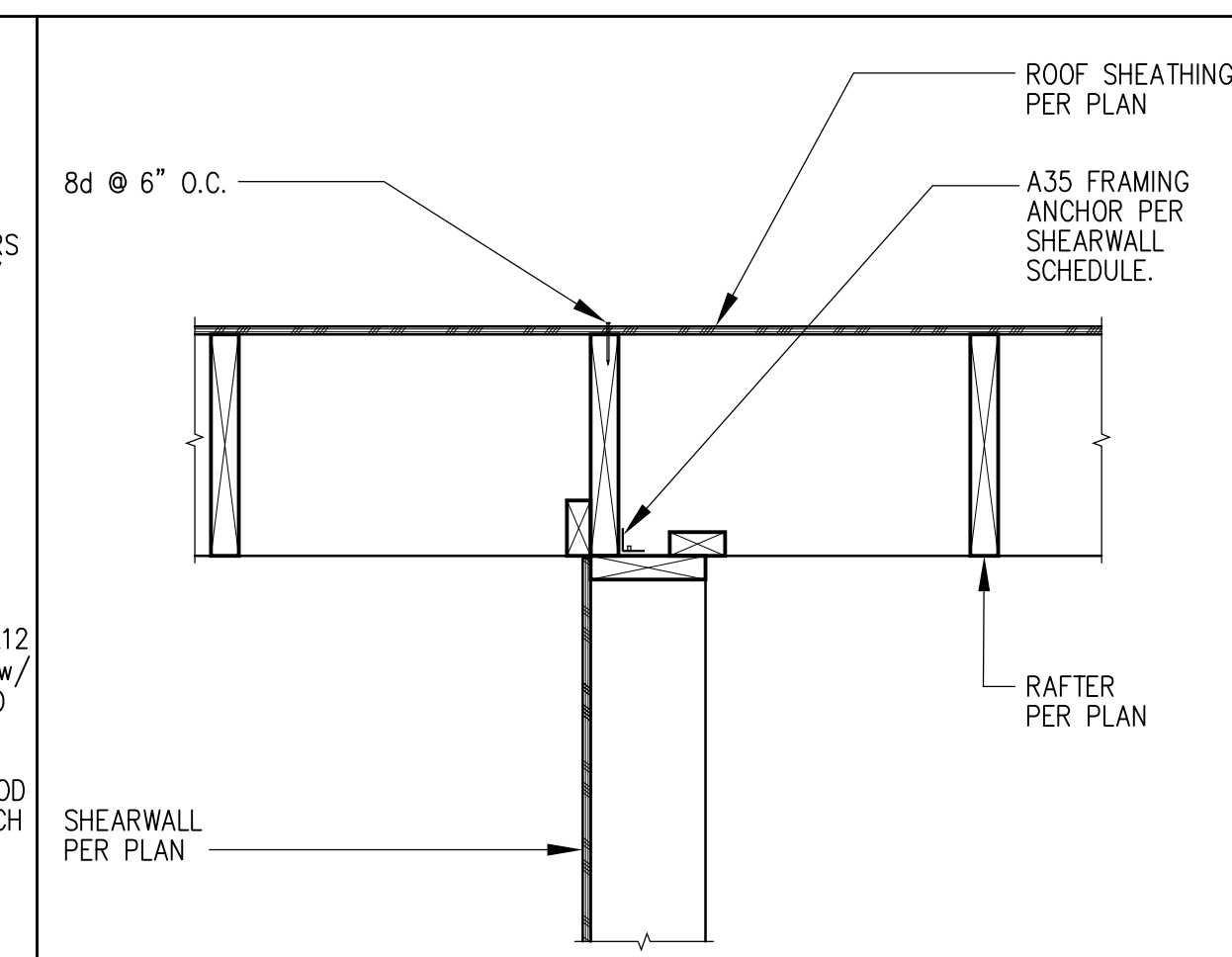
1 TYP. PORCH POST TO BEAM CONNECTION



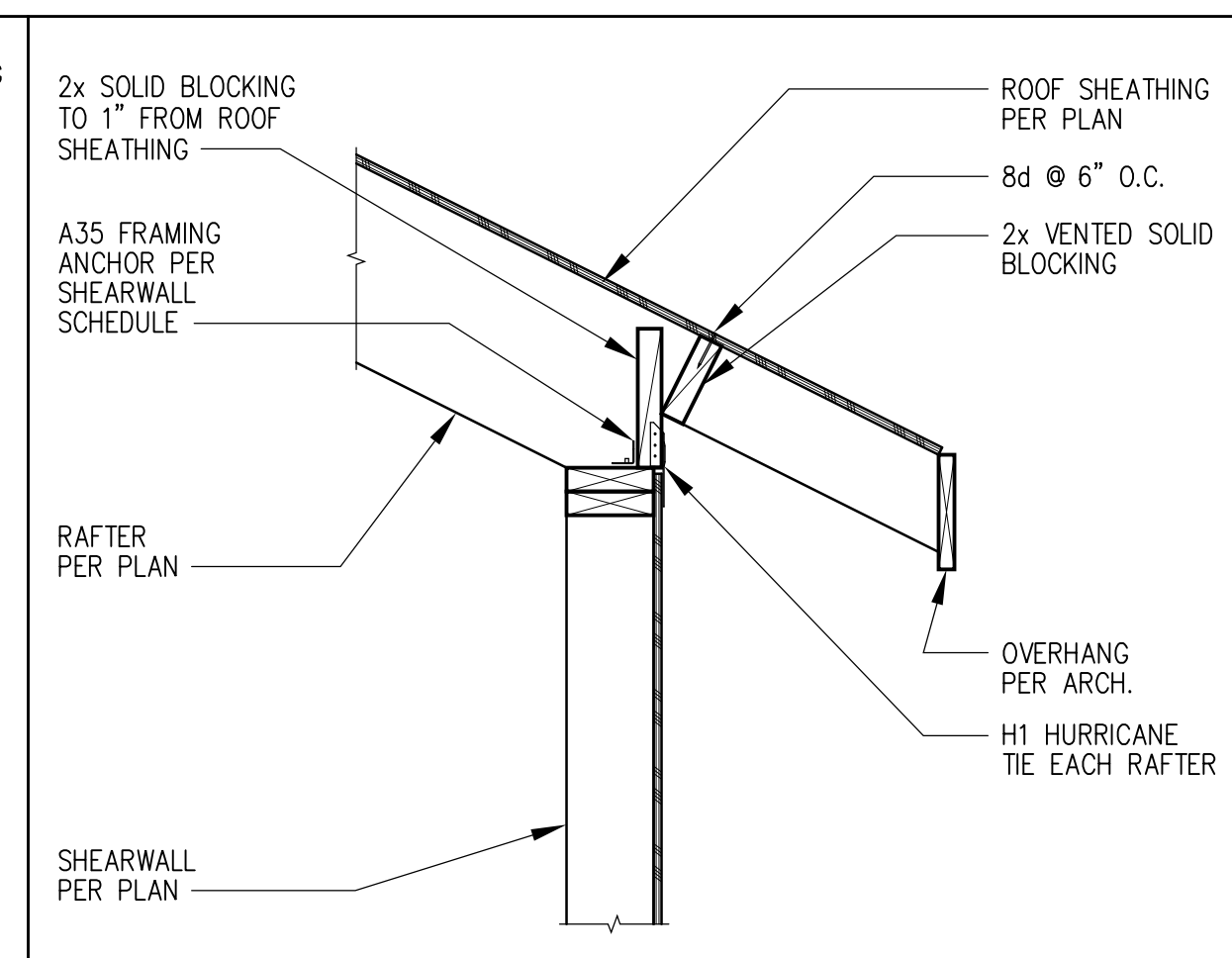
2 ANGLED POST TO RAFTER CONNECTION



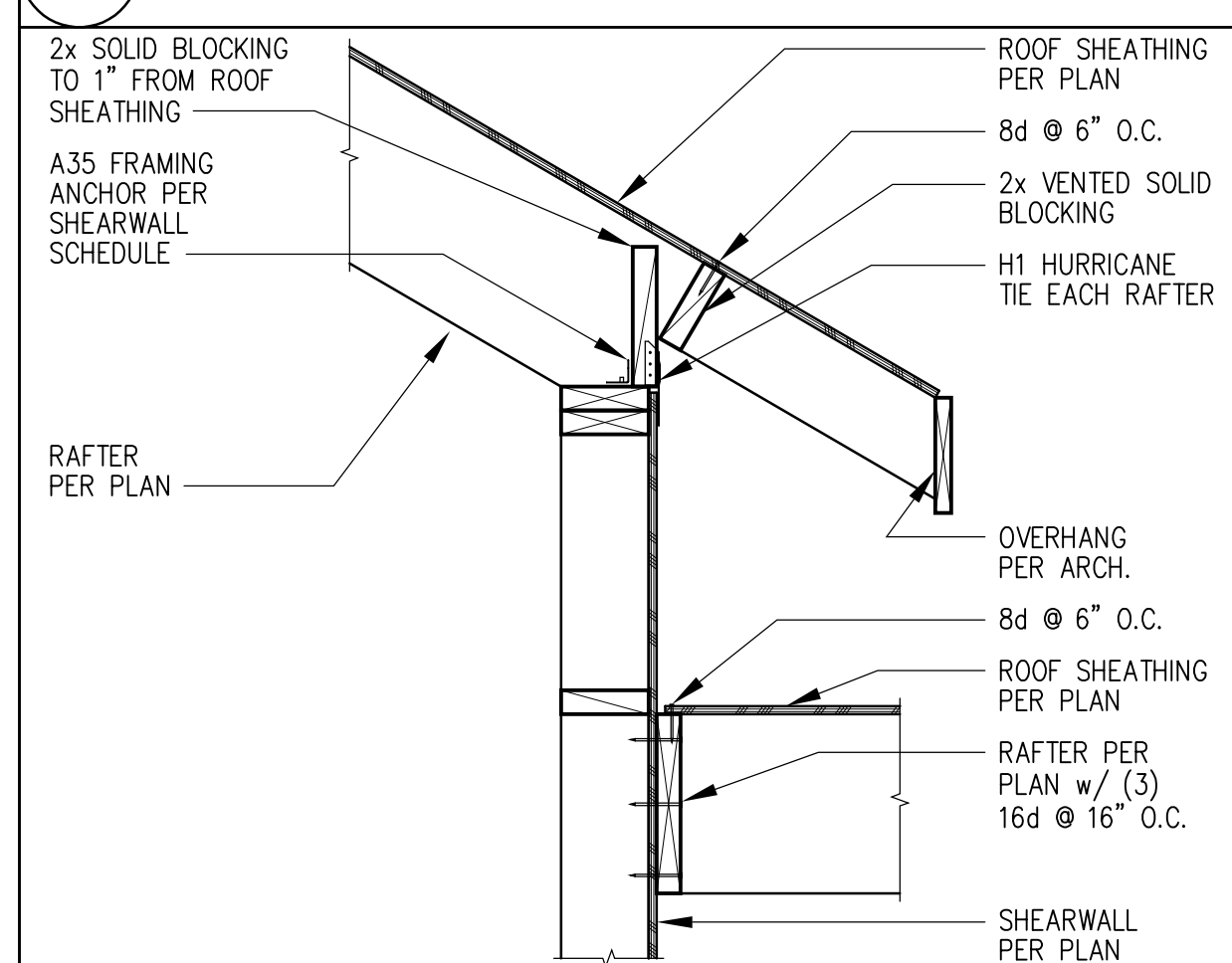
3 KING POST TO BEAM CONNECTION



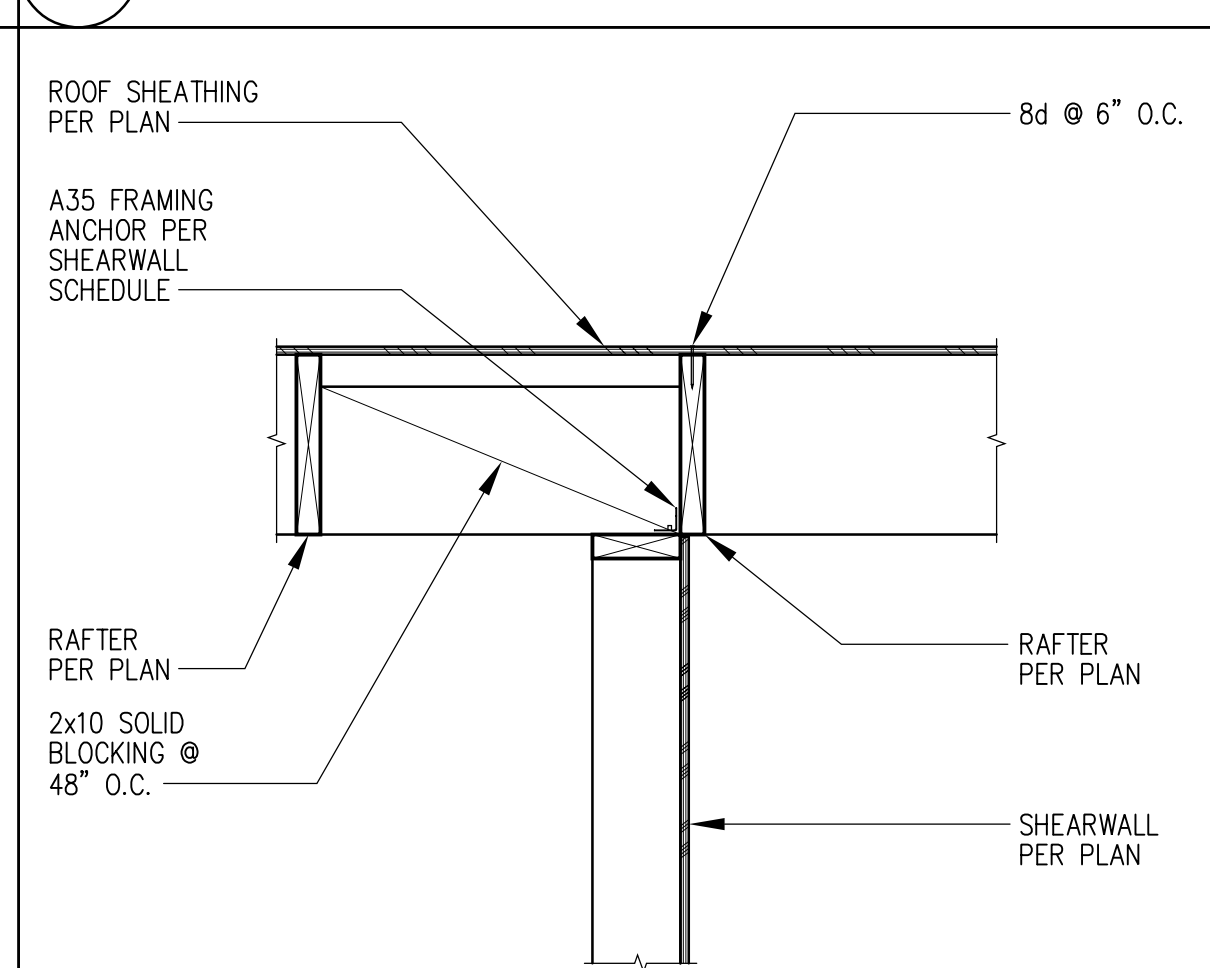
4 SHEAR TRANSFER @ GREAT ROOM GABLE



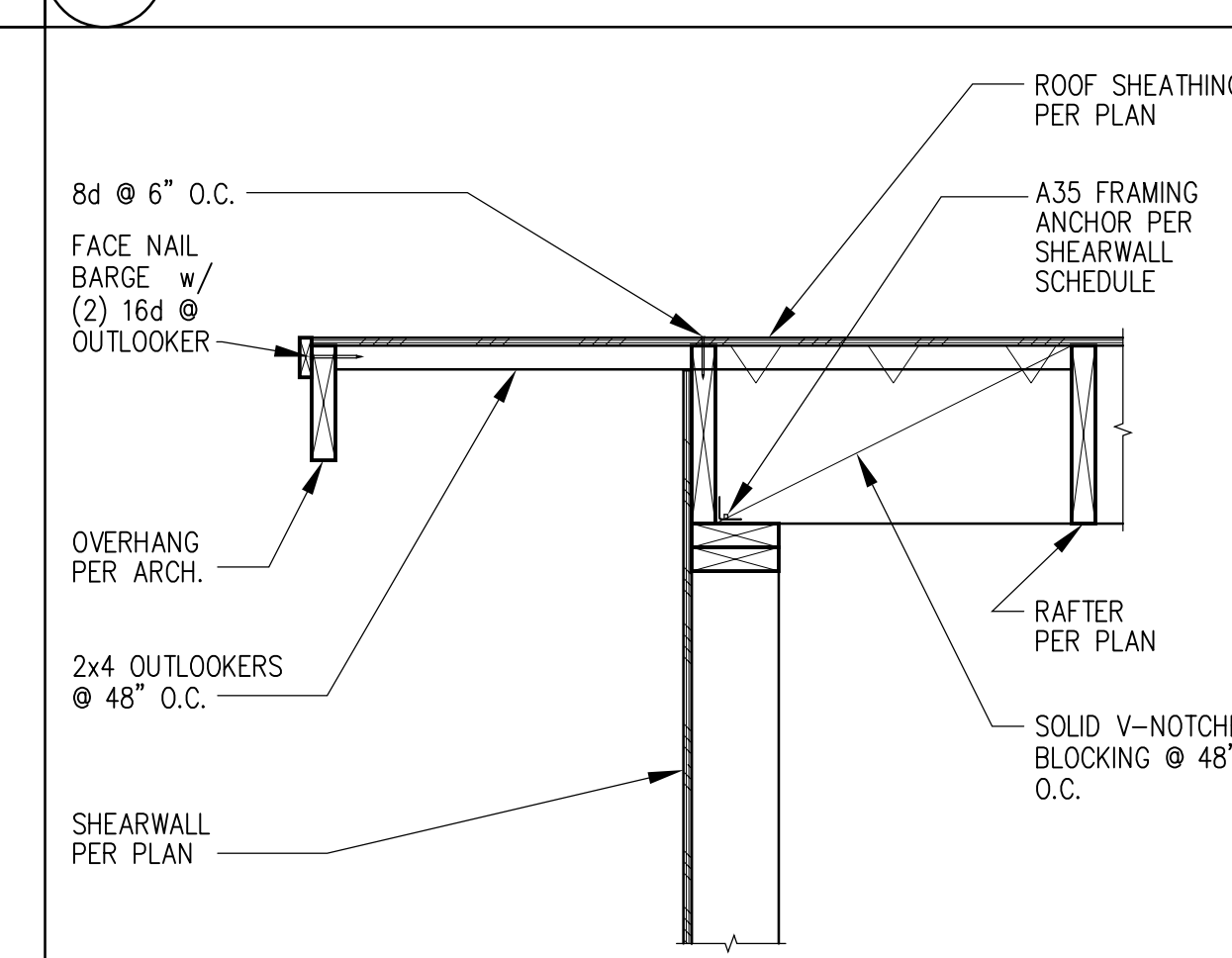
5 SHEAR TRANSFER @ EAVE (TYPICAL RAFTER)



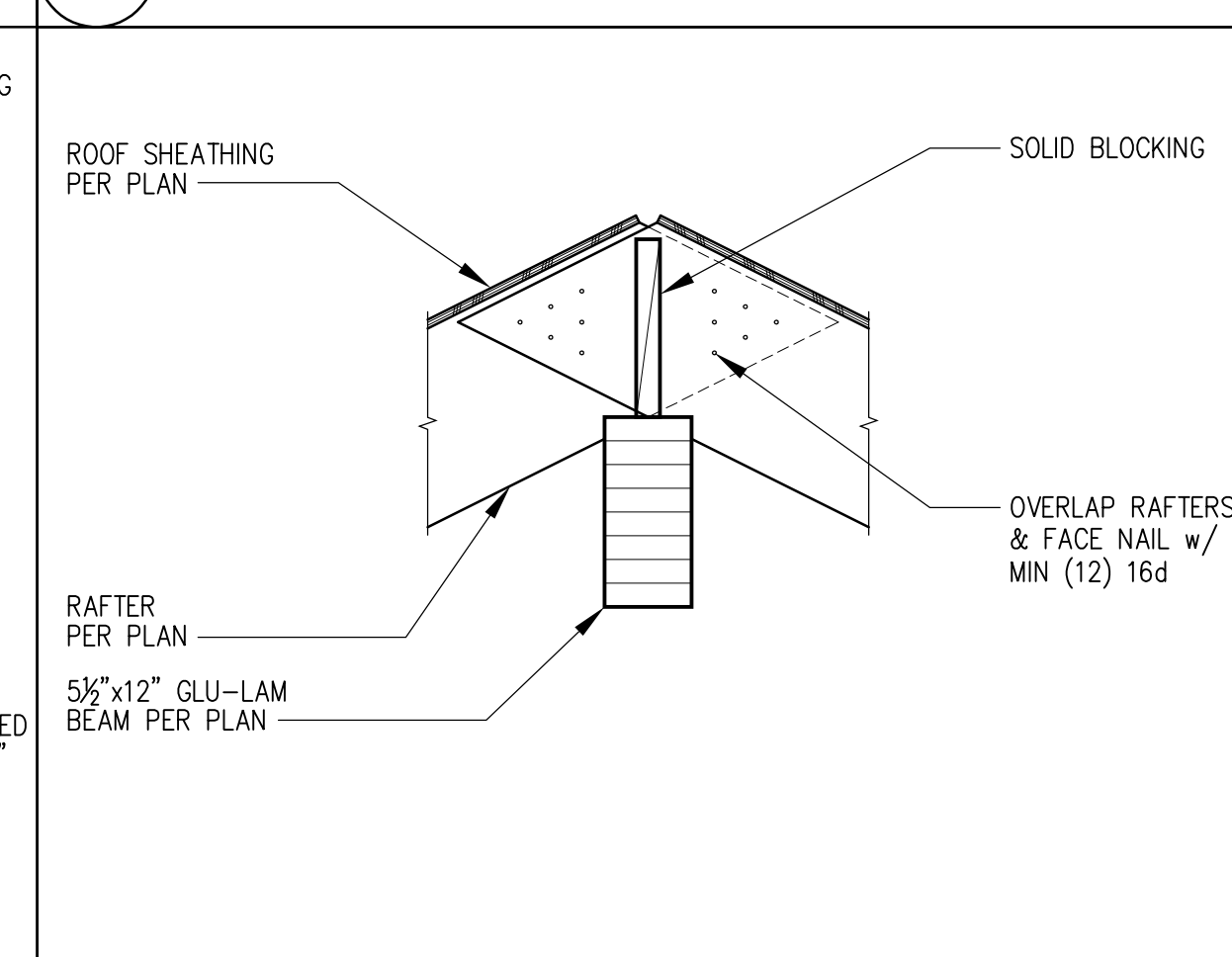
6 SHEAR TRANSFER @ EAVE (TYPICAL RAFTER w/ LOWER ROOF)



7 SHEAR TRANSFER @ PARALLEL RAFTER (SHEARWALL ON TYPICAL RAFTER LAYOUT)



8 SHEAR TRANSFER @ GABLE



9 ROOF FRAMING @ RIDGE

MARK	EDGE	FIELD	SILL PLATE ANCHORS	BOTTOM PLATE NAILING	TOP PLATE CONNECTION			BASE SHEAR (PLF)	WIND	SEISMIC
					RAFTER OR TRUSS	W/ H1	W/O H1			
P1-6	8d @ 6"	8d @ 12"	3/8" @ 48"	(1) 16d @ 4"	A35 @ 29"	RBC @ 18"	RBC @ 18"	339	241	
P1-4	8d @ 4"	8d @ 12"	3/8" @ 33"	(1) 16d @ 3"	A35 @ 20"	RBC @ 31"	RBC @ 12"	495	353	
P1-3 (6)	8d @ 3"	8d @ 12"	3/8" @ 25"	(1) 16d @ 3"	A35 @ 15"	RBC @ 18"	RBC @ 10"	637	455	
P1-2 (6)	8d @ 2"	8d @ 12"	3/8" @ 19"	(2) 16d @ 4"	A35 @ 12"	RBC @ 11"	RBC @ 7"	832	595	
P2-4 (6, 7)	8d @ 4"	8d @ 12"	3/8" @ 16"	(2) 16d @ 3 1/2"	A35 @ 10"	RBC @ 9"	RBC @ 6"	990	706	
P2-3 (6, 7)	8d @ 3"	8d @ 12"	3/8" @ 12"	(2) 16d @ 3"	A35 @ 7"	RBC @ 6"	(2) RBC @ 10"	1274	911	
P2-2 (6, 7)	8d @ 2"	8d @ 12"	3/8" @ 8"	(3) 16d @ 3"	A35 @ 6"	RBC @ 5"	(2) RBC @ 6"	1662	1190	
P1-2-10d (6)	10d @ 2"	10d @ 12"	3/8" @ 16"	(2) 16d @ 3 1/2"	A35 @ 10"	RBC @ 9"	RBC @ 6"	1002	716	

NOTES:
 1. ALL EXTERIOR WALLS TO BE "P1-6" SHEARWALL UNLESS NOTED OTHERWISE.
 2. NAILS TO HAVE A MINIMUM DIAMETER OF 0.131" FOR 8d, 0.148" FOR 10d and 16d.
 3. ALL PANEL EDGES TO BE BACKED WITH 2" NOMINAL OR WIDER FRAMING.
 4. "P1" INDICATES PLYWOOD ON ONE SIDE OF SHEARWALL ONLY, "P2" INDICATES PLYWOOD ON BOTH SIDES.
 5. ANCHOR BOLTS SHALL HAVE A 3"x3"x1/4" STEEL PLATE WASHER THAT EXTENDS TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE. WHERE 2x6 SHEARWALLS ARE SHEATHED ON BOTH SIDES, LARGER PLATE WASHERS WILL BE REQUIRED IN ORDER TO MEET THE 1/2" EDGE DISTANCE REQUIREMENT.
 6. FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN A SINGLE 3" NOMINAL MEMBER OR A BUILT-UP MEMBER STITCH NAILED TOGETHER PER THE BOTTOM PLATE NAILING PATTERN IN THE SHEARWALL SCHEDULE.
 7. PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3" NOMINAL OR THICKER. NAILS ON EACH SIDE SHALL BE STAGGERED.
 8. AT CONTRACTORS DISCRETION LTP FRAMING ANCHORS MAY BE USED IN LIEU OF THE A35.

10 PLYWOOD/OSB SHEARWALL SCHEDULE (HEM FIR FRAMING) (1, 2, 3, 4, 5)

Stoney Point Engineering
 Dwayne Barnes P.E.
 dwayne@stonepointengineering.com
 Office: 423-644-9500



MI Treehouse, LLC
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S4.3
 FRAMING DETAILS

5637 MERCER WAY

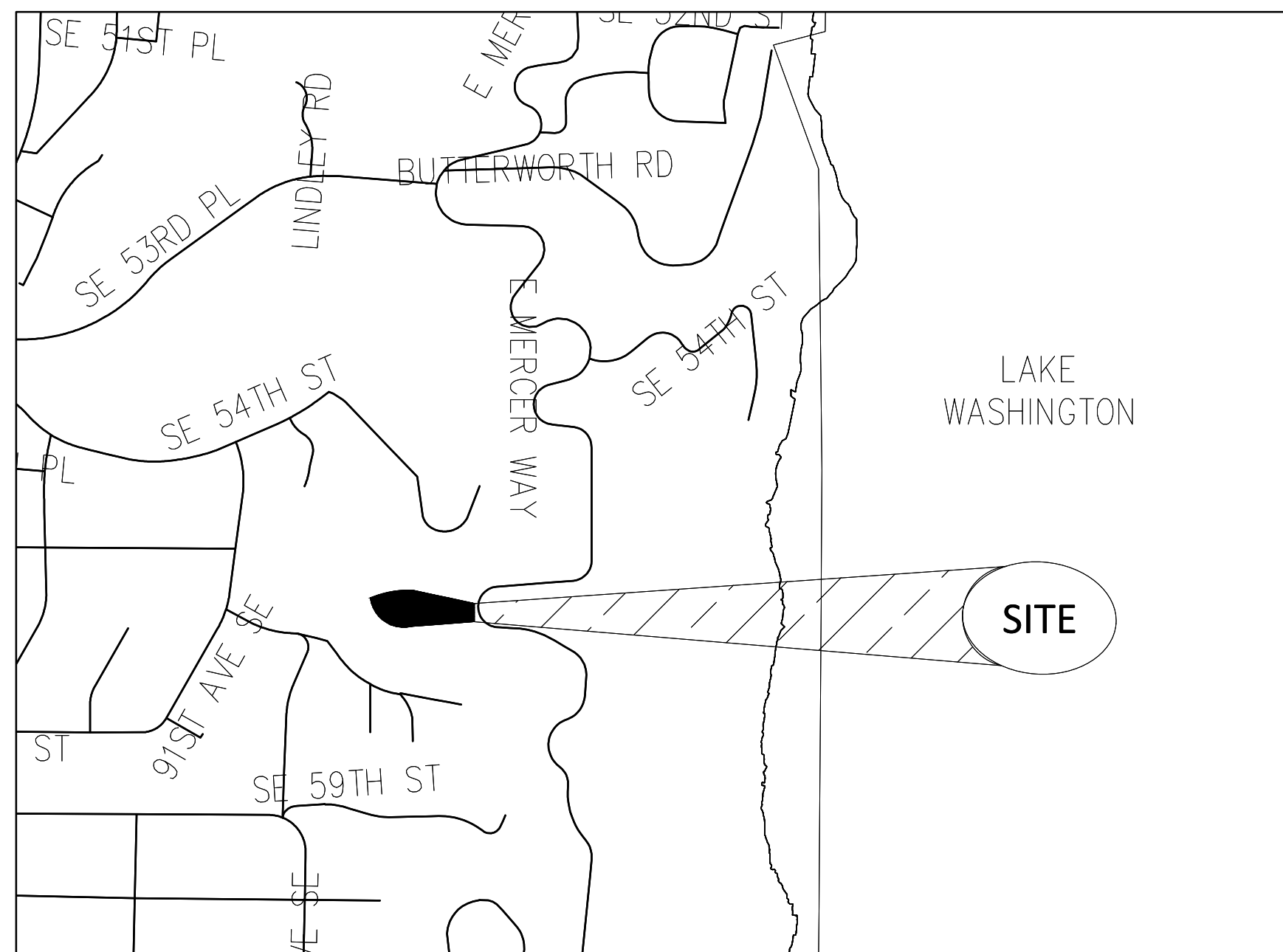
5637 E MERCER WAY
MERCER ISLAND, WASHINGTON

OWNER:

MI TREEHOUSE, LLC
11030 SE 30TH ST
BELLEVUE, WA 98004

ENGINEER/ SURVEY:

CORE DESIGN INC
14711 NE 29TH PL, SUITE 101
BELLEVUE, WASHINGTON 98007
(425) 885-7877
CONTACT: MICHAEL A. MOODY, P.E.
GLENN R. SPRAGUE, P.L.S.



VICINITY MAP

1" = 500'

BASIS OF BEARINGS

NO0°01'20"W BETWEEN THE FOUND MONUMENTS ALONG THE CENTERLINE OF EAST MERCER WAY

REFERENCES

STATUTORY WARRANTY DEED RECORDED UNDER RECORDING NUMBER 20140929000870

LEGAL DESCRIPTION

LOT A OF CITY OF MERCER ISLAND SHORT PLAT NO. MI-77-1-010, AS RECORDED MARCH 31, 1977 UNDER RECORDING NO. 7703310851, RECORDS OF KING COUNTY AUDITOR;

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

RESTRICTIONS

1. THIS SITE IS SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN DEED RECORDED UNDER RECORDING NUMBER 1579689.
2. THIS SITE IS SUBJECT TO THE CONDITIONS, COVENANTS, RESTRICTIONS, EASEMENTS, NOTES, AND SETBACKS, IF ANY, AS SHOWN ON THE FACE OF CITY OF MERCER ISLAND SHORT PLAT NO. MI-77-1-010 AS RECORDED UNDER RECORDING NUMBER 7703310851
3. THIS SITE IS SUBJECT TO AN EASEMENT FOR SIDE SEWER SERVICE AND THE TERMS AND CONDITIONS THEREOF AS RECORDED UNDER RECORDING NUMBER 7804100820.
4. THIS SITE IS SUBJECT TO AN EASEMENT FOR STORMWATER/UTILITY FACILITIES & PEDESTRIAN TRAIL AND THE TERMS AND CONDITIONS THEREOF AS RECORDED UNDER RECORDING NUMBER 20070425001878.

BASIS OF BEARINGS

1. THIS SURVEY HAS BEEN PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. IN PREPARING THIS MAP, CORE DESIGN, INC. HAS CONDUCTED NO INDEPENDENT TITLE SEARCH NOR IS CORE DESIGN, INC. AWARE OF ANY TITLE ISSUES AFFECTING THE SURVEYED PROPERTY OTHER THAN THOSE SHOWN ON THE MAP AND DISCLOSED BY STATUTORY WARRANTY DEED RECORDED UNDER RECORDING NUMBER 20140929000870 AND THEREFORE CORE DESIGN, INC. QUALIFIES THE MAP'S ACCURACY AND COMPLETENESS TO THAT EXTENT.
2. THIS SURVEY REPRESENTS VISIBLE PHYSICAL IMPROVEMENT CONDITIONS EXISTING ON JUNE 8, 2018. ALL SURVEY CONTROL INDICATED AS "FOUND" WAS RECOVERED FOR THIS PROJECT IN JUNE, 2018.
3. PROPERTY AREA = 37,528± SQUARE FEET (0.8615± ACRES).
4. ALL DISTANCES ARE IN FEET.
5. THIS IS A FIELD TRAVERSE SURVEY. A LEICA ROBOTIC TOTAL STATION WAS USED TO MEASURE THE ANGULAR AND DISTANCE RELATIONSHIPS BETWEEN THE CONTROLLING MONUMENTATION AS SHOWN. CLOSURE RATIOS OF THE TRAVERSE MET OR EXCEEDED THOSE SPECIFIED IN WA0 332-130-100. ALL MEASURING INSTRUMENTS AND EQUIPMENT ARE MAINTAINED IN ADJUSTMENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
6. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE ARE SHOWN HEREON. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. UNDERGROUND CONNECTIONS ARE SHOWN AS STRAIGHT LINES BETWEEN SURFACE UTILITY LOCATIONS BUT MAY CONTAIN BENDS OR CURVES NOT SHOWN. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. CORE DESIGN ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS.

VERTICAL DATUM

NAVD 88

BENCHMARKS

CITY OF MERCER ISLAND POINT "CASC 38"
ELEVATION=163.23

SHEET INDEX

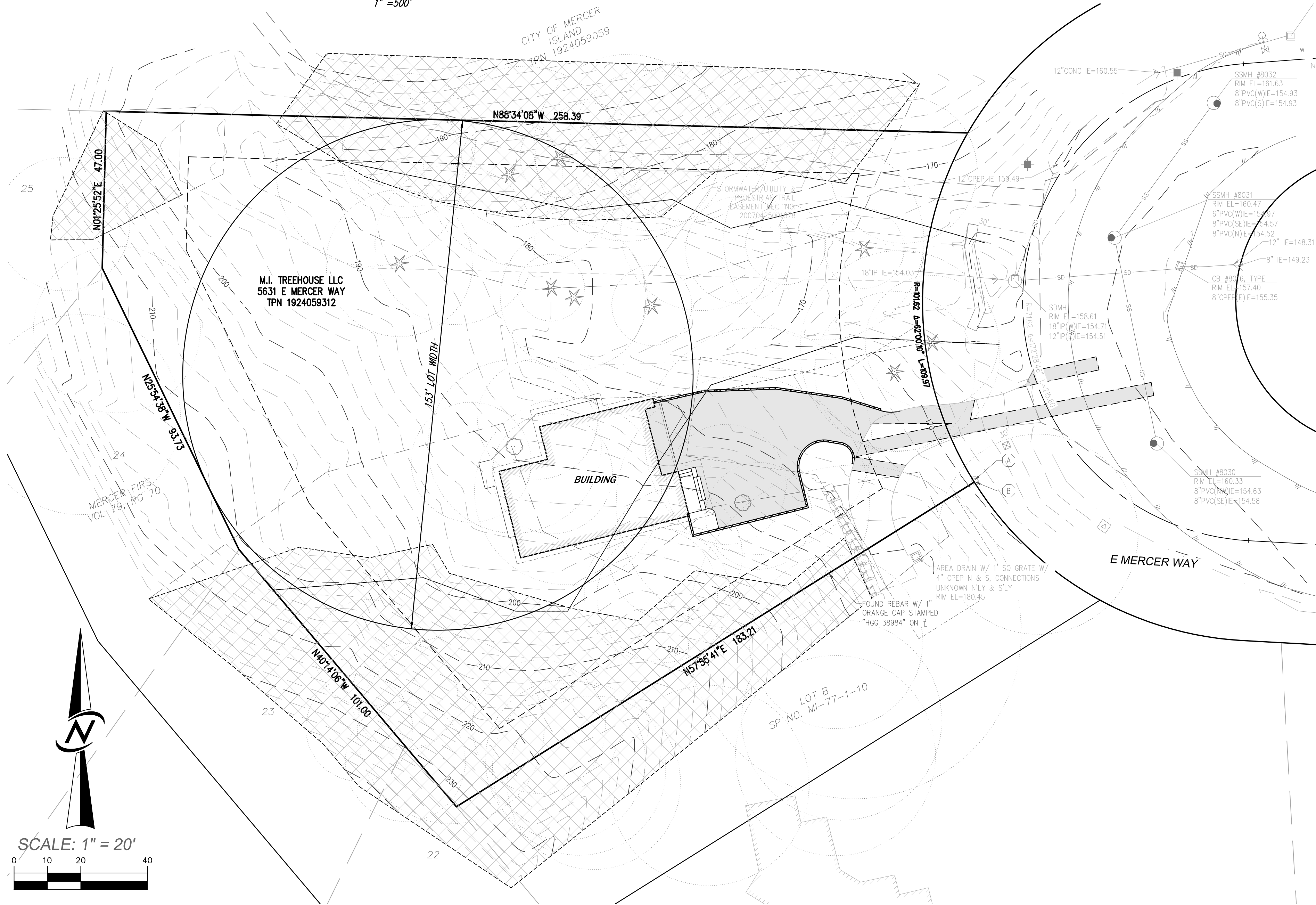
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|-------|---------------------------------------|
| C1.01 | COVER SHEET |
| C1.02 | TOPOGRAPHIC PLAN |
| C1.03 | BMP NOTES |
| C2.01 | EROSION CONTROL PLAN |
| C4.01 | SITE, STORM, UTILITIES & GRADING PLAN |
| C4.31 | STORM DRAINAGE DETAILS |

SITE STATISTICS

ZONING:	R-15 (RESIDENTIAL-SINGLE FAMILY)
SITE AREA:	±37,554 SF (±0.862 ACRES)
NET LOT AREA:	35,823 SF (0.822 ACRES)
LOTS PROPOSED:	1
TAX PARCEL:	192405-9312
DWELLING UNITS:	1
LOT WIDTH:	153'
SIDE SETBACK:	26.01' COMBINED (17% OF TOTAL LOT WIDTH)
SIDE SETBACKS PROPOSED:	13.005 (NORTHERN SETBACK) 13.005 (SOUTHERN SETBACK)
IMPERVIOUS AREA:	3,739 SF (9.9%)
LOT SLOPE STATISTICS	
LOT 1:	24.5%

NOTE

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, AS AMENDED, FROM REQUIRED LANDSCAPING AREAS ESTABLISHED PURSUANT TO SUBSECTION 19.02.020(F)(3)(a). NEW LANDSCAPING ASSOCIATED WITH NEW SINGLE-FAMILY HOME SHALL NOT INCORPORATE ANY WEEDS IDENTIFIED ON THE KING COUNTY NOXIOUS WEED LIST, AS AMENDED. PROVIDED, THAT REMOVAL SHALL NOT BE REQUIRED IF THE REMOVAL WILL RESULT IN INCREASED SLOPE INSTABILITY OR RISK OF LANDSLIDE OR EROSION.



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UTILITY CONFLICT NOTE:
CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, CONTACTING ALL UTILITY COMPANIES, POTHOLES THE UTILITIES, AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE # 1-800-424-555 AND THEN POTHOLES ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT CORE DESIGN, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

DATE	OCTOBER 2020	DESIGNED	FLAVIO BANOTTI	SHEET	OF
DRAWN	CHUCK FEMLING	APPROVED	MICHAEL MOODY, PE	C1.01	6
PROJECT MANAGER	MICHAEL MOODY, PE	PROJECT NUMBER 18039			

COVER SHEET
MERCER ISLAND TREEHOUSE
MI TREEHOUSE LLC
PO BOX 261
MEDINA, WA 98040

CORE DESIGN
CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
PLANNING
SURVEYING
12100 NE 195th St, Suite 300, Bothell, Washington 98011 425.885.7877

BMP T5.13: Post-Construction Soil Quality and Depth

Purpose and Definition

Naturally occurring (undisturbed) soil and vegetation provide important stormwater functions including: water infiltration; nutrient, sediment, and pollutant adsorption; sediment and pollutant biofiltration; water interflow storage and transmission; and pollutant decomposition. These functions are largely lost when development strips away native soil and vegetation and replaces it with minimal topsoil and sod. Not only are these important stormwater functions lost, but such landscapes themselves become pollution generating pervious surfaces due to increased use of pesticides, fertilizers and other landscaping and household/industrial chemicals, the concentration of pet wastes, and pollutants that accompany roadside litter.

Establishing soil quality and depth regains greater stormwater functions in the post development landscape, provides increased treatment of pollutants and sediments that result from development and habitation, and minimizes the need for some landscaping chemicals, thus reducing pollution through prevention.

Applications and Limitations

Establishing a minimum soil quality and depth is not the same as preservation of naturally occurring soil and vegetation. However, establishing a minimum soil quality and depth will provide improved on-site management of stormwater flow and water quality.

Soil organic matter can be attained through numerous materials such as compost, composted woody material, biosolids, and forest product residuals. It is important that the materials used to meet the soil quality and depth BMP be appropriate and beneficial to the plant cover to be established. Likewise, it is important that imported topsoils improve soil conditions and do not have an excessive percent of clay fines.

This BMP can be considered infeasible on till soil slopes greater than 33 percent.

Design Guidelines

- 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

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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 compost specification for [BMP T7.30: Bioretention Cells, Swales, and Planter Boxes \(p.959\)](#), 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 conducive 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.

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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.

Planning/Permitting/Inspection/Verification Guidelines & Procedures

Local governments are encouraged to adopt guidelines and procedures similar to those recommended in Guidelines and Resources For Implementing Soil Quality and Depth BMP T5.13 in WDOE Stormwater Management Manual for Western Washington. This document is available at: http://www.soilsforsalmon.org/pdf/Soil_BMP_Manual.pdf

Maintenance

- Establish soil quality and depth toward the end of construction and once established, protect from compaction, such as from large machinery use, and from erosion.
- Plant vegetation and mulch the amended soil area after installation.
- Leave plant debris or its equivalent on the soil surface to replenish organic matter.
- Reduce and adjust, where possible, the use of irrigation, fertilizers, herbicides and pesticides, rather than continuing to implement formerly established practices.

Runoff Model Representation

Areas meeting the design guidelines may be entered into approved runoff models as "Pasture" rather than "Lawn."

Flow reduction credits can be taken in runoff modeling when [BMP T5.13: Post-Construction Soil Quality and Depth](#) is used as part of a dispersion design under the conditions described in:


- [BMP T5.10B: Downspout Dispersion Systems \(p.905\)](#)
- [BMP T5.11: Concentrated Flow Dispersion \(p.905\)](#)
- [BMP T5.12: Sheet Flow Dispersion \(p.908\)](#)
- [BMP T5.18: Reverse Slope Sidewalks \(p.937\)](#)
- [BMP T5.30: Full Dispersion \(p.939\)](#) (for public road projects)

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DATE	OCTOBER 2020	DESIGNED	FLAVIO BAINOTTI	DRAWN	CHUCK FEMLING	APPROVED	MICHAEL MOODY, PE	PROJECT MANAGER	MICHAEL MOODY, PE
SHEET	OF								
C1.03	6								
PROJECT NUMBER 18039									



CORE DESIGN
12100 NE 195th St, Suite 300, Bothell, Washington 98011 425.885.7877

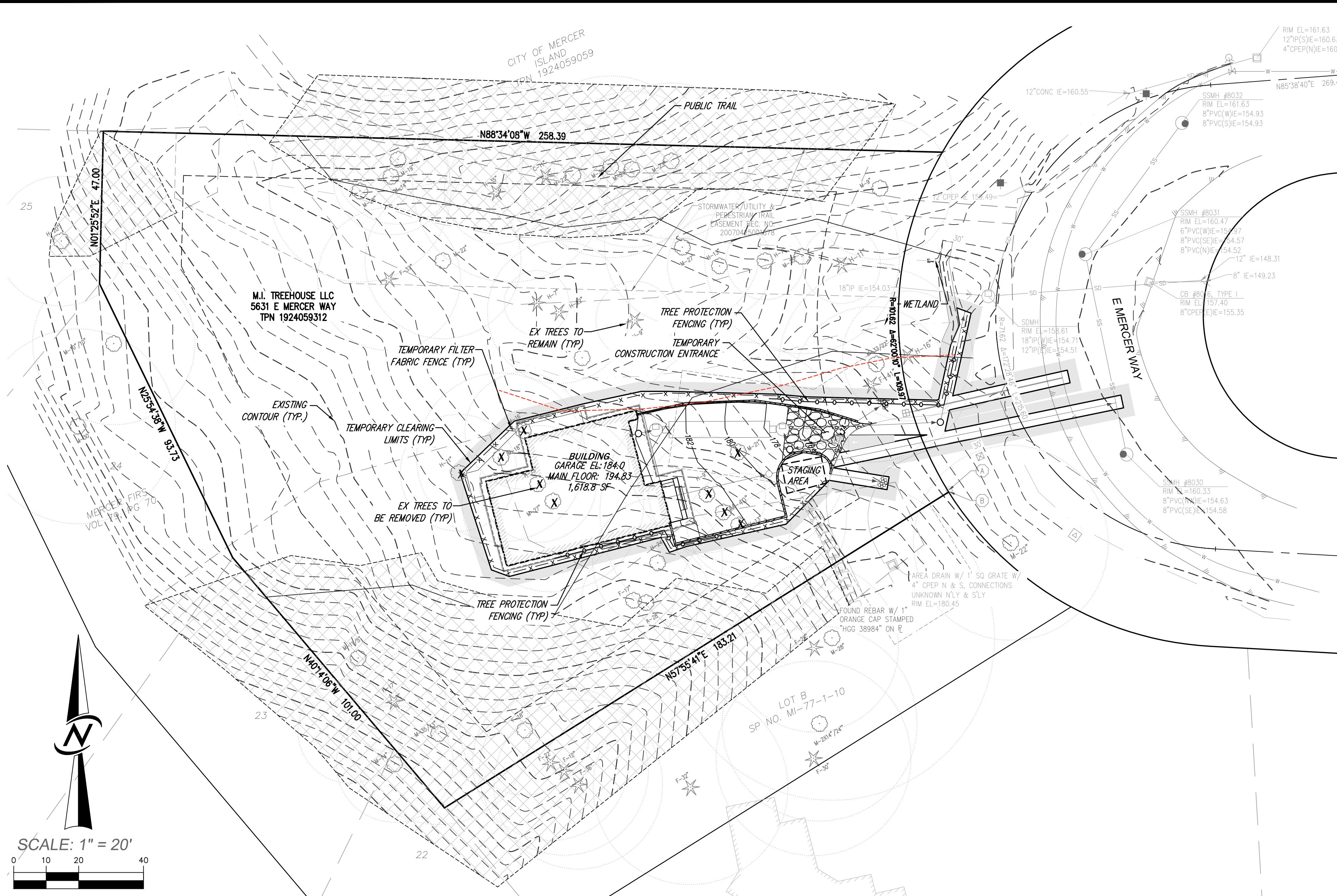
BMP NOTES
MERCER ISLAND TREEHOUSE
MI TREEHOUSE LLC
PO BOX 261
MEDINA, WA 98040

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REGIONS

DATE



LEGEND

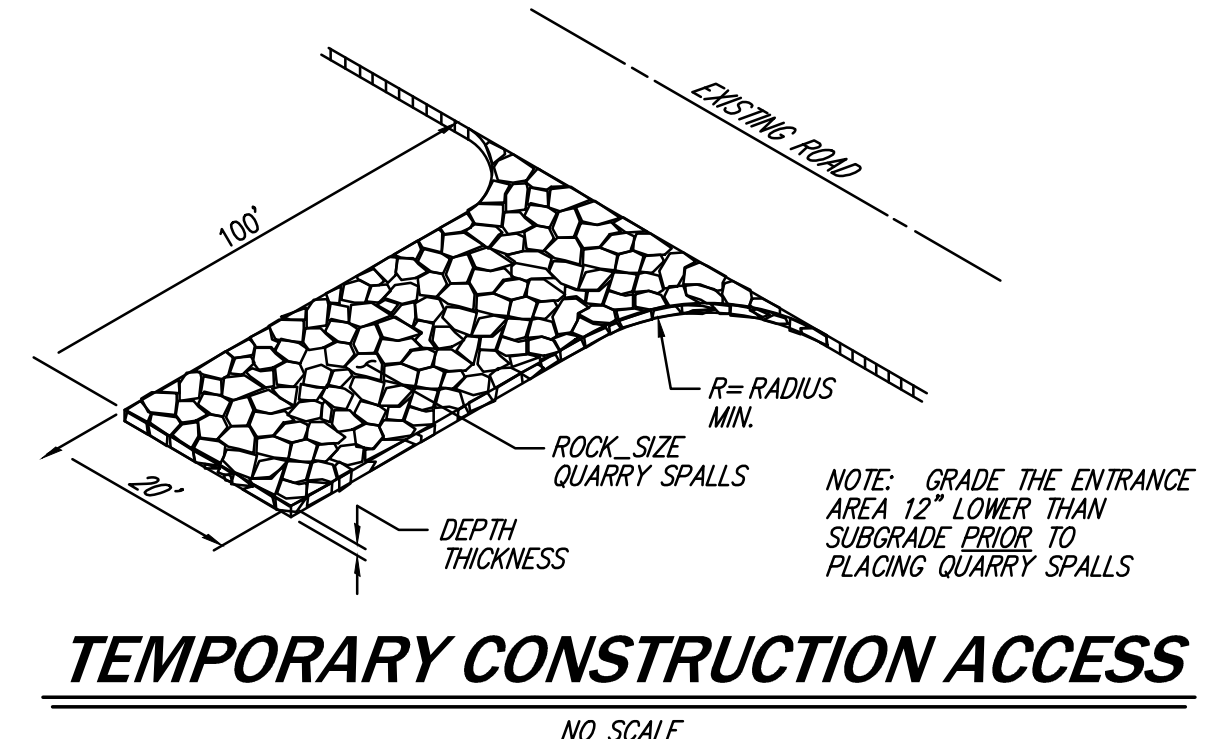
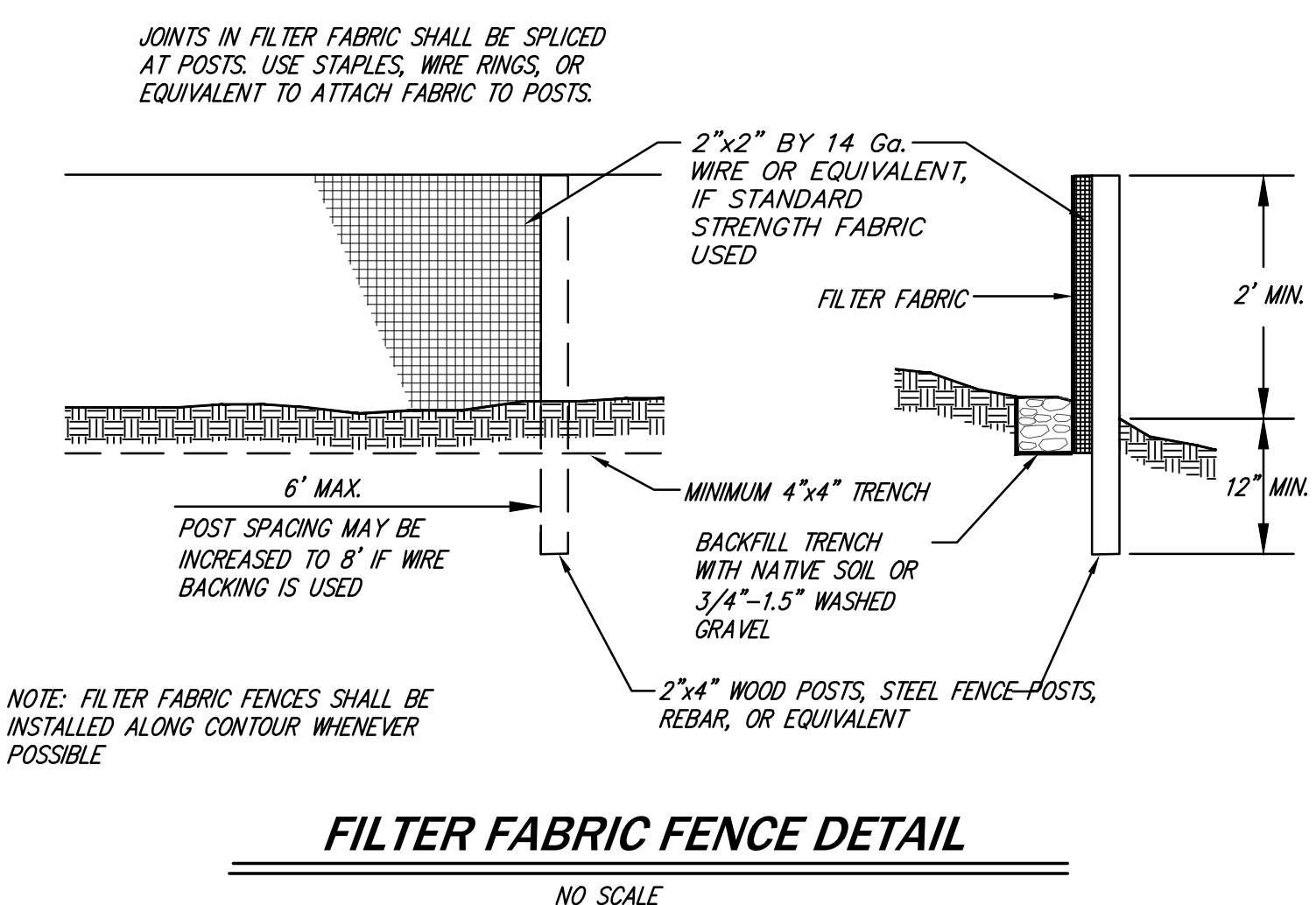
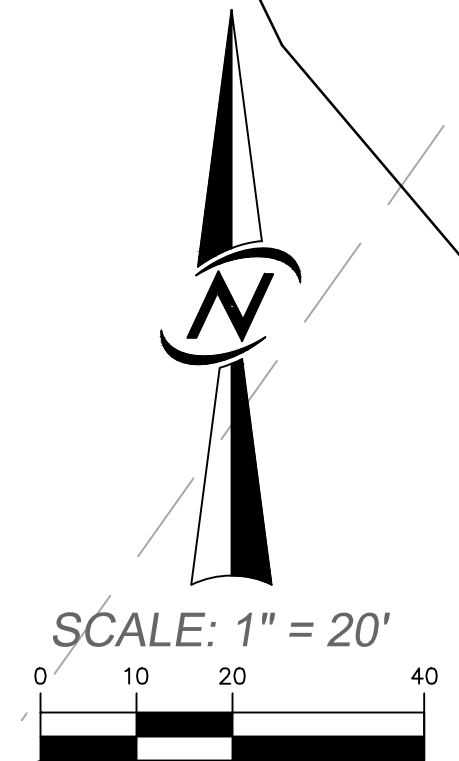
	BUILDING OVERHANG
	LOT LINES
	DRIVEWAY BOUNDARY
	PROPERTY BOUNDARY
	BUILDING EDGE
	SURVEY ALIGNMENT
	41ST PAVEMENT EDGE
	FOUND MONUMENT AS DESCRIBED
	FOUND PIPE/REBAR AS DESCRIBED
	MADRONA O OAK
	FIG
	DOGWOOD
	CHAIN LINK FENCE
	VERTICAL BOARD FENCE
	ROCKERY
	INLET FILTER (W.S.D.O.T. STD DTL. 1-40.20-00)
	SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE DOE STD DTL. BMP 205
	CLEARING LIMITS
	TREE PROTECTION FENCE
	FILTER FABRIC FENCE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	ONSITE TREE TO BE REMOVED

CONSTRUCTION SEQUENCE

- ① PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF MERCER ISLAND BY PHONING (206)-275-7726.
- ② FLAG LIMITS OF CLEARING IN FIELD AS INDICATED ON SHEET C2.01.
- ③ CLEAR FOR AND CONSTRUCT THE ROCKED CONSTRUCTION ACCESS.
- ④ CONSTRUCT PERIMETER FILTER FABRIC FENCES.
- ⑤ CONSTRUCT DOWNSTREAM DISCHARGE SYSTEM, INTERCEPTOR SWALES, ROCK CHECK DAMS, STORM DRAINAGE PIPES, RIP RAP PADS.
- ⑥ CLEAR & GRADE SITE WHILE EXTENDING TEMPORARY INTERCEPTOR SWALE AS CONSTRUCTION PROCEEDS. ALL SILT-LADEN RUNOFF SHALL BE DIRECTED TO SEDIMENT RETENTION FACILITIES.
- ⑦ CLEAR FOR AND CONSTRUCT DETENTION TANK FOR USE FOR SEDIMENT RETENTION AND CONSTRUCT DISCHARGE SYSTEM.
- ⑧ CONSTRUCT SANITARY SEWER, WATER, & REMAINING STORM DRAINAGE FACILITIES PER THE APPROVED PLANS.
- ⑨ FINE GRADE AND PAVE THE DRIVEWAY.
- ⑩ UPON COMPLETION OF GRADING ACTIVITIES, STABILIZE ALL DISTURBED AREAS, REMOVE EXCESS SEDIMENT FROM THE TANK AND REMOVE ALL TEMPORARY EROSION/ SEDIMENTATION CONTROL FACILITIES.

TREE PROTECTION NOTES

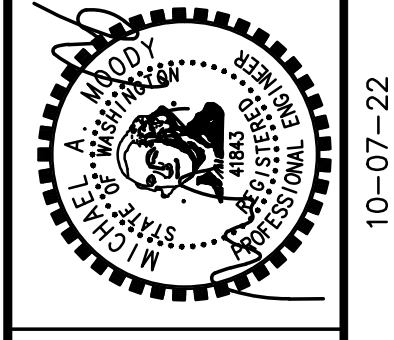
1. CONTRACTOR SHALL COORDINATE WITH ARBORIST ON GRADING AROUND RETAINED TREES AND ROOTS.
2. ARBORIST TO BE ONSITE TO VERIFY PRESERVATION OF RETAINED TREES



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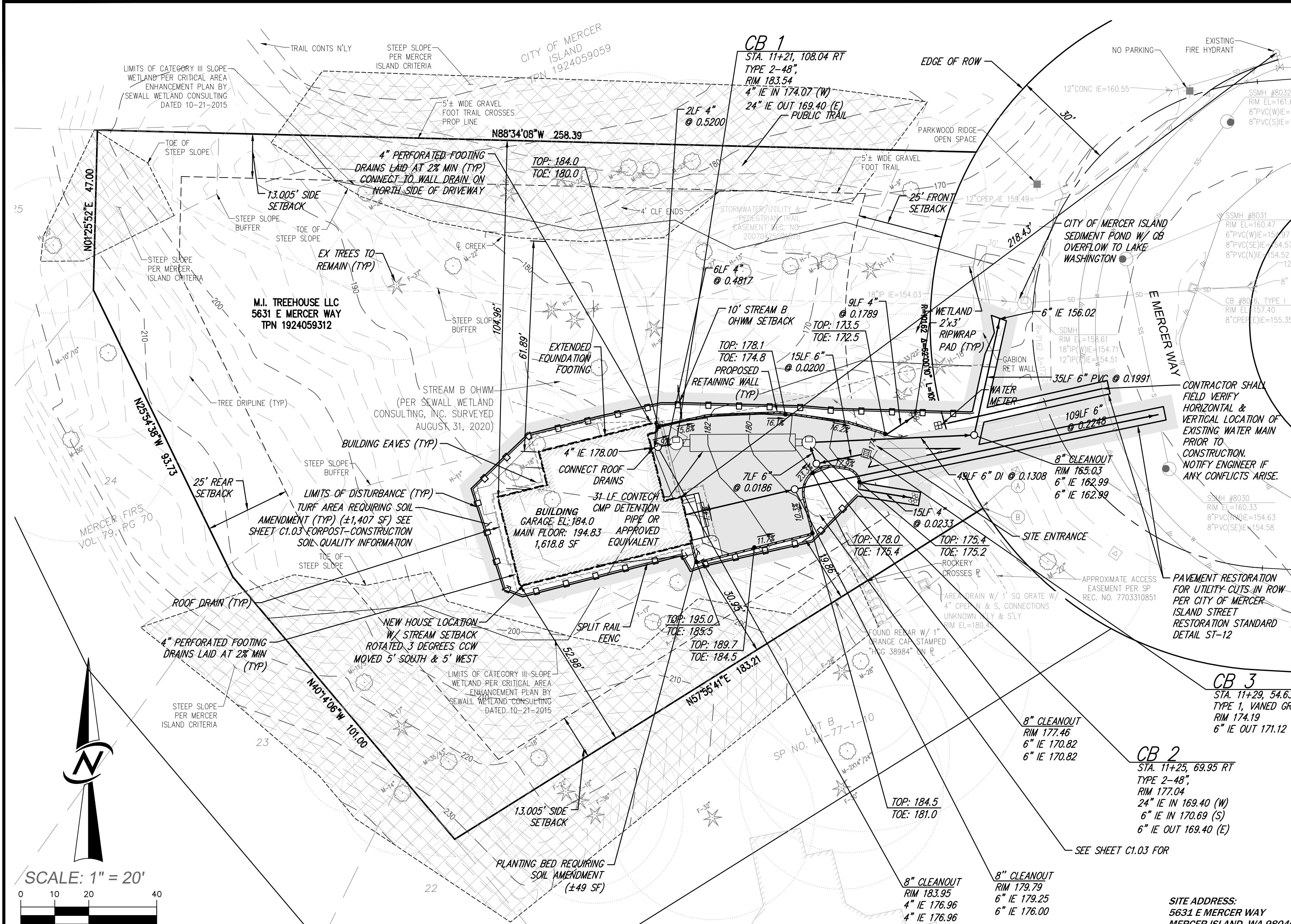
DATE		DESIGNED		DRAWN		APPROVED	
OCTOBER 2020		FLAVIO BAINOTTI		CHUCK FEMILING		MICHAEL MOODY, PE	
						MICHAEL MOODY, PE	
						PROJECT MANAGER	
TREC & TREE RETENTION PLAN		MERCER ISLAND TREEHOUSE		MI TREEHOUSE LLC			
				PO BOX 261 MEDINA, WA 98040			
						PROJECT NUMBER 18039	



CIVIL ENGINEERING
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CORE DESIGN

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STORM DRAINAGE GENERAL NOTES

- 1. ALL NEW CATCH BASINS SHALL CONFORM TO THE APWA WSDOT STANDARD DETAILS.
2. THE FOOTING DRAINAGE SYSTEM AND THE ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED.
3. PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION FILTER AND SILT REMOVAL FACILITIES TO ENSURE THAT SEDIMENT OR OTHER HAZARDOUS MATERIALS DO NOT ENTER THE STORM DRAINAGE SYSTEM.
4. PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF STORM DRAINAGE WORK, PIPES AND STORM DRAIN STRUCTURES SHALL BE CLEANED AND FLUSHED.
5. ON-SITE DRAINAGE SYSTEM WILL BE PRIVATELY OWNED AND MAINTAINED.
6. SEE FOUNDATION PLAN FOR FOOTING DRAIN LOCATIONS.
7. EXCAVATION OF ON-SITE CATCH BASINS WILL NOT IMPACT NEIGHBORING PROPERTY AND WILL BE CONTAINED BY WALL.

GENERAL NOTES

- 1. CONTRACTOR IS TO OBTAIN PERMITS AND GUARANTEES.
2. ALL DAMAGE TO ADJACENT PROPERTIES OR PUBLIC RIGHTS-OF-WAY RESULTING FROM CONSTRUCTION (E.G., SILTATION, MUD, WATER, RUNOFF, ROADWAY DAMAGE CAUSED BY CONSTRUCTION EQUIPMENT OR HAULING) SHALL BE EXPEDITIOUSLY MITIGATED AND REPAIRED BY THE CONTRACTOR.
3. CONSTRUCTION OF ALL IMPROVEMENTS FOR ACCESS, UTILITIES, STORM DRAINAGE AND SITE WORK SHALL COMPLY WITH CURRENT CITY ORDINANCES AND THE REQUIREMENTS OF THE CITY ENGINEER.
4. ALL SHORT PLAT IMPROVEMENTS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL AND RECORDING OF THE SHORT PLAT MYLAR DOCUMENTS OR BONDED AND COMPLETED PRIOR TO ISSUANCE OF BUILDING PERMITS WHEN APPROVED BY THE CITY ENGINEER.

TREE PROTECTION NOTES

- 1. CONTRACTOR SHALL COORDINATE WITH ARBORIST ON GRADING AROUND RETAINED TREES AND ROOTS.
2. ARBORIST TO BE ONSITE TO VERIFY PRESERVATION OF RETAINED TREES

WATER GENERAL NOTES

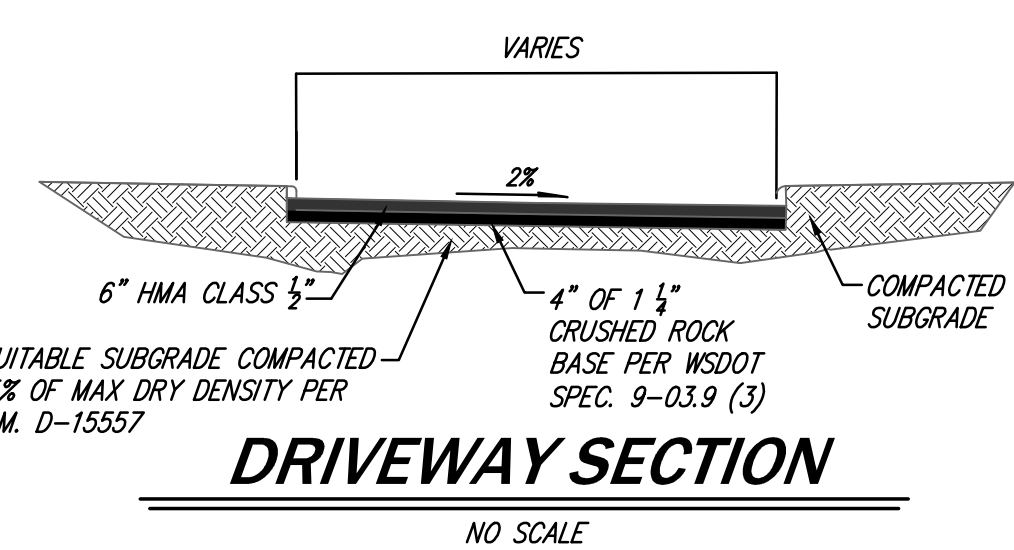
- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE DEVELOPER EXTENSION AGREEMENT, THE STANDARD SPECIFICATIONS AND THE STANDARD DETAILS OF THE CITY OF MERCER ISLAND.
2. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON PLANS AND PROFILES FOR CONVENIENCE.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE LOCATED BY APPROPRIATE UTILITY DISTRICTS OR COMPANIES, ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. FOR UTILITY LOCATES IN KING COUNTY, CALL 1-800-424-5555 PRIOR TO DIGGING.
5. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REGULATORY PERMITS.
6. ALL WORK IN RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF PERMITTING AGENCY.
7. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD AT THE CITY OF MERCER ISLAND'S OFFICE PRIOR TO THE START OF CONSTRUCTION.
8. PRIOR TO CONSTRUCTING ANY WATER MAINS, THE STREET CENTERLINES OF THE DEVELOPMENT, CENTER OF CUL-DE-SACS, ALL WATER LINE EASEMENTS AND ALL LOT CORNERS SHALL BE STAKED.
9. HORIZONTAL CONTROL DATA SHALL BE NAD 83/91. VERTICAL CONTROL SHALL BE NAVD-88 DATUM.
10. AT THE CONCLUSION OF CONSTRUCTION, THE DEVELOPER'S REGISTERED PROFESSIONAL SURVEYOR SHALL PREPARE A DRAWING BASED ON THE SURVEYED LOCATIONS OF ALL APPURTENANCES INSTALLED, INCLUDING BUT NOT LIMITED TO, WATER MAIN, METER BOXES, BLOWOFFS, VALVES BOXES, HYDRANTS AND BENS.
11. THE WATER MAIN SHALL BE PLACED AS SHOWN ON PLAN.
12. A MINIMUM TEN (10) FOOT HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN THE SANITARY SEWER LINE AND THE WATER MAIN.
13. A FIVE (5) FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER AND TELEPHONE FACILITIES, UNLESS OTHERWISE APPROVED BY THE DISTRICT.
14. DISTRICT VALVES SHALL ONLY BE OPERATED BY DISTRICT PERSONNEL.
15. ALL WATER MAIN PIPING SHALL BE DUCTILE-IRON MINIMUM THICKNESS CLASS 52, CEMENT-MORTAR LINED AND TYTON JOINT.
16. ALL WATER MAIN FITTINGS SHALL BE CEMENT-MORTAR LINED AND MEET THE REQUIREMENTS OF ANWA C-153.
17. POLYETHYLENE ENCASUREMENT TO MEET THE ANWA STANDARD C-105. ANY TEARS OR OPENINGS MADE FOR SERVICE OR TAPS SHALL BE REPAIRED WITH AN ADHESIVE TAPE.
18. ALL WATER MAIN PIPES AND SERVICES SHALL BE INSTALLED WITH A 14 (FOURTEEN) GAUGE, CONTINUOUS, SOLID-CORE, NEOPRENE COATED LOCATING WIRE.
19. FIRE HYDRANT LOCATIONS TO BE APPROVED BY THE FIRE MARSHAL OF JURISDICTION.
20. WATER SERVICE LINE AND METER LOCATIONS WILL BE COORDINATED WITH THE DEVELOPER'S ENGINEER AFTER A THOROUGH REVIEW OF ALL UTILITY FACILITIES.
20-1 THE METER LOCATION SHALL BE WITHIN THREE (3) FEET OF THE PROPERTY LINE THAT IS PERPENDICULAR TO THE RIGHT-OF-WAY AND WITHIN ONE (1) FOOT OF THE EDGE OF PROPERTY ON THE RIGHT-OF-WAY SIDE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
20-2 AFTER INSTALLATION OF THE METER AND BOX, A 2X4 BOARD PAINTED WHITE WITH 'WATER SERVICE' STENCILED ONTO IT WILL BE DRIVEN INTO THE GROUND BEHIND THE METER BOX.

SEWER GENERAL NOTES

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11. THE WATER MAIN SHALL BE PLACED AS SHOWN ON PLAN.
12. A MINIMUM TEN (10) FOOT HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN THE SANITARY SEWER LINE AND THE WATER MAIN.
13. A FIVE (5) FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER AND TELEPHONE FACILITIES, UNLESS OTHERWISE APPROVED BY THE DISTRICT.
14. DISTRICT VALVES SHALL ONLY BE OPERATED BY DISTRICT PERSONNEL.
15. ALL WATER MAIN PIPING SHALL BE DUCTILE-IRON MINIMUM THICKNESS CLASS 52, CEMENT-MORTAR LINED AND TYTON JOINT.
16. ALL WATER MAIN FITTINGS SHALL BE CEMENT-MORTAR LINED AND MEET THE REQUIREMENTS OF ANWA C-153.
17. POLYETHYLENE ENCASUREMENT TO MEET THE ANWA STANDARD C-105. ANY TEARS OR OPENINGS MADE FOR SERVICE OR TAPS SHALL BE REPAIRED WITH AN ADHESIVE TAPE.
18. ALL WATER MAIN PIPES AND SERVICES SHALL BE INSTALLED WITH A 14 (FOURTEEN) GAUGE, CONTINUOUS, SOLID-CORE, NEOPRENE COATED LOCATING WIRE.
19. FIRE HYDRANT LOCATIONS TO BE APPROVED BY THE FIRE MARSHAL OF JURISDICTION.
20. WATER SERVICE LINE AND METER LOCATIONS WILL BE COORDINATED WITH THE DEVELOPER'S ENGINEER AFTER A THOROUGH REVIEW OF ALL UTILITY FACILITIES.
20-1 THE METER LOCATION SHALL BE WITHIN THREE (3) FEET OF THE PROPERTY LINE THAT IS PERPENDICULAR TO THE RIGHT-OF-WAY AND WITHIN ONE (1) FOOT OF THE EDGE OF PROPERTY ON THE RIGHT-OF-WAY SIDE UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
20-2 AFTER INSTALLATION OF THE METER AND BOX, A 2X4 BOARD PAINTED WHITE WITH 'WATER SERVICE' STENCILED ONTO IT WILL BE DRIVEN INTO THE GROUND BEHIND THE METER BOX.

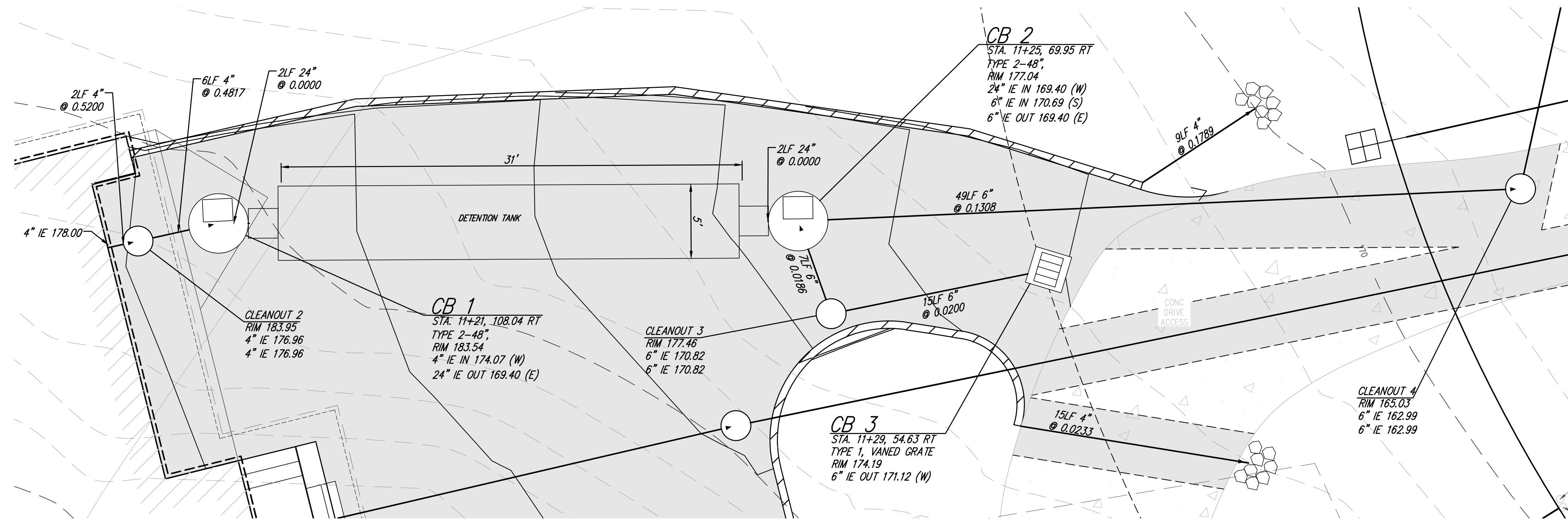
POST-CONSTRUCTION SOIL QUALITY AND DEPTH NOTES

- SOIL RETENTION
RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE.
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:
1. 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.
2. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL.
3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
A. THE ORGANIC CONTENT FOR 'PRE-APPROVED' AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BMP 17.302.
B. 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.

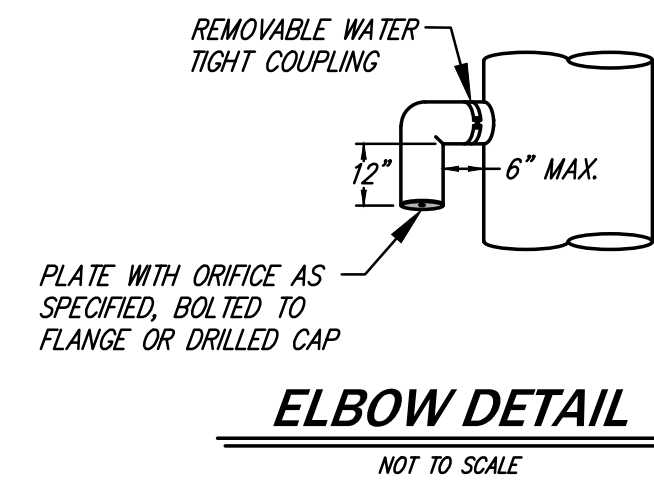
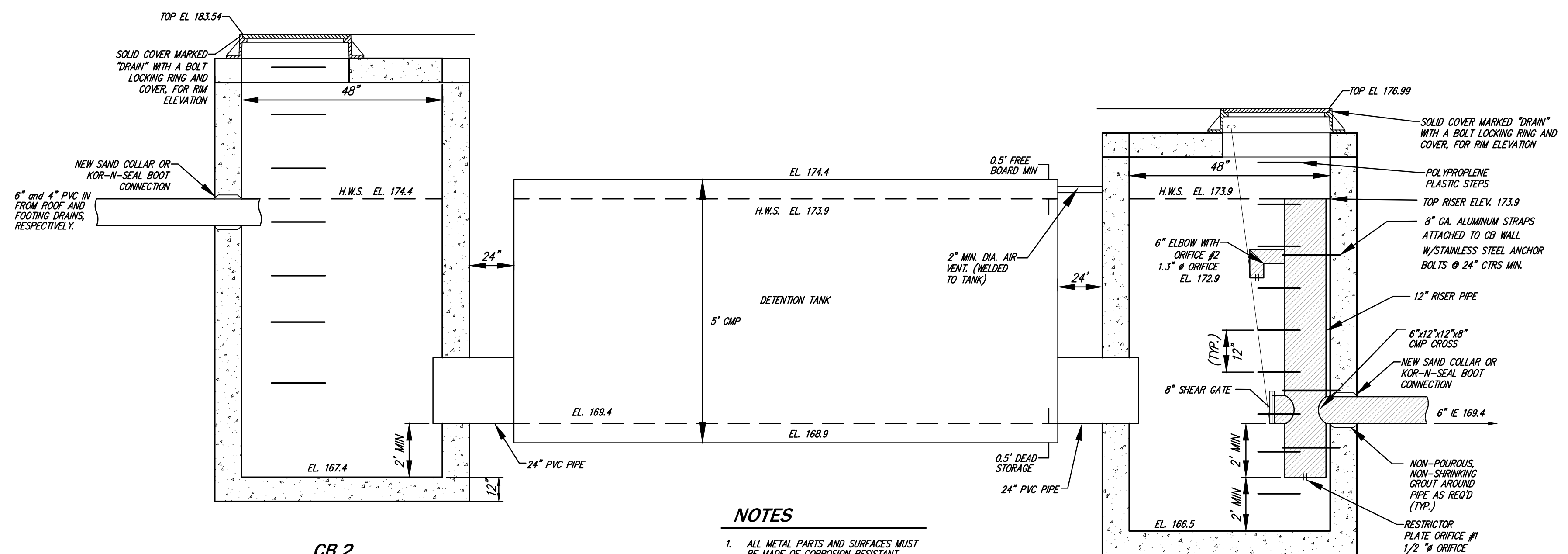
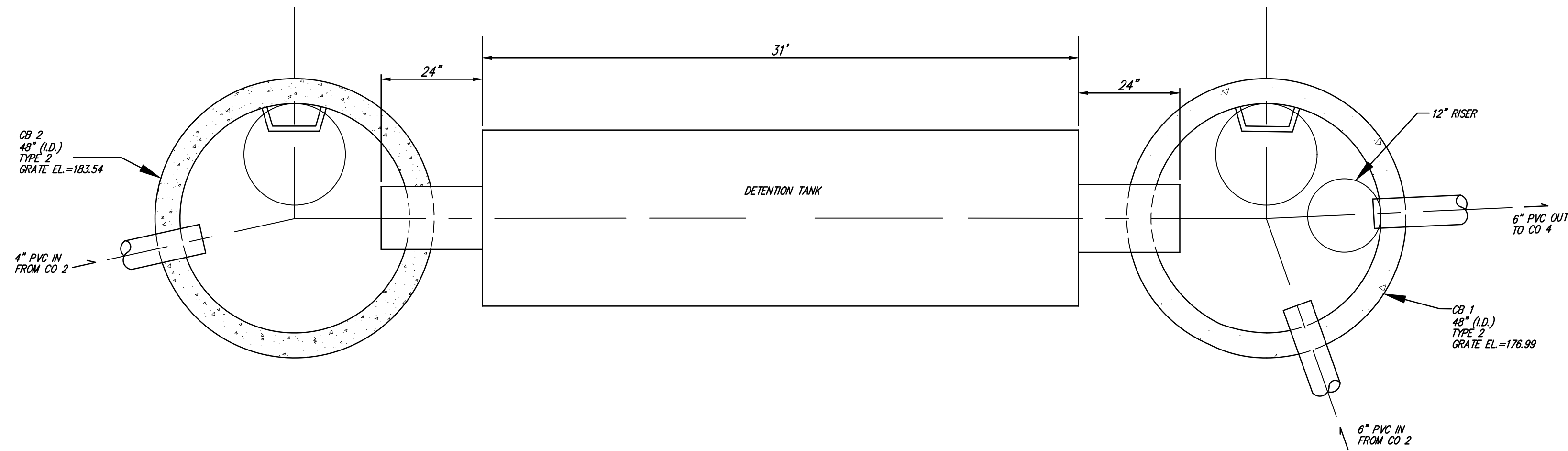


UTILITY CONFLICT NOTE: CAUTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES. UNDERGROUND LOCATOR SERVICE CALL BEFORE YOU DIG! 811

Professional seal and title block for MI TREEHOUSE LLC, including project number 18039, sheet 6, and dates from October 2020 to 10-07-22.



DETENTION PIPE
SCALE 1"=5'



ELBOW DETAIL
NOT TO SCALE

- NOTES**
1. ALL METAL PARTS AND SURFACES MUST BE MADE OF CORROSION RESISTANT MATERIAL OR GALVANIZED. COMPLETE CORROSION PROTECTION MUST BE ASSURED.
 2. PROPOSED BUILDING SHALL BE FITTED WITH SPRINKLERS. FIRE TRUCK ACCESS IS NOT ASSUMED ON ACCESS DRIVEWAY.

UNDERGROUND LOCATOR SERVICE
CALL BEFORE YOU DIG!
811

UTILITY CONFLICT NOTE:
CAUTION:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, CONTACTING ALL UTILITY COMPANIES, POT-Holing THE UTILITIES, AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-555 AND THEN POT-Holing ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT CORE DESIGN, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

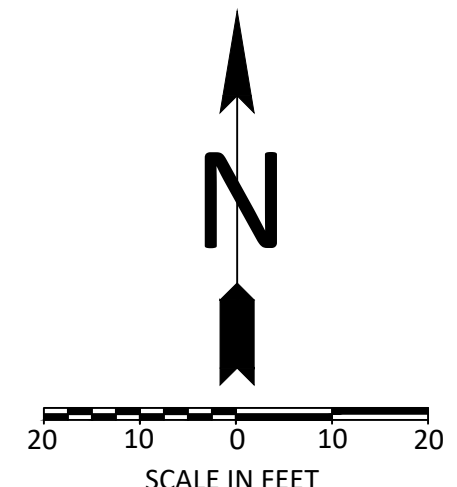
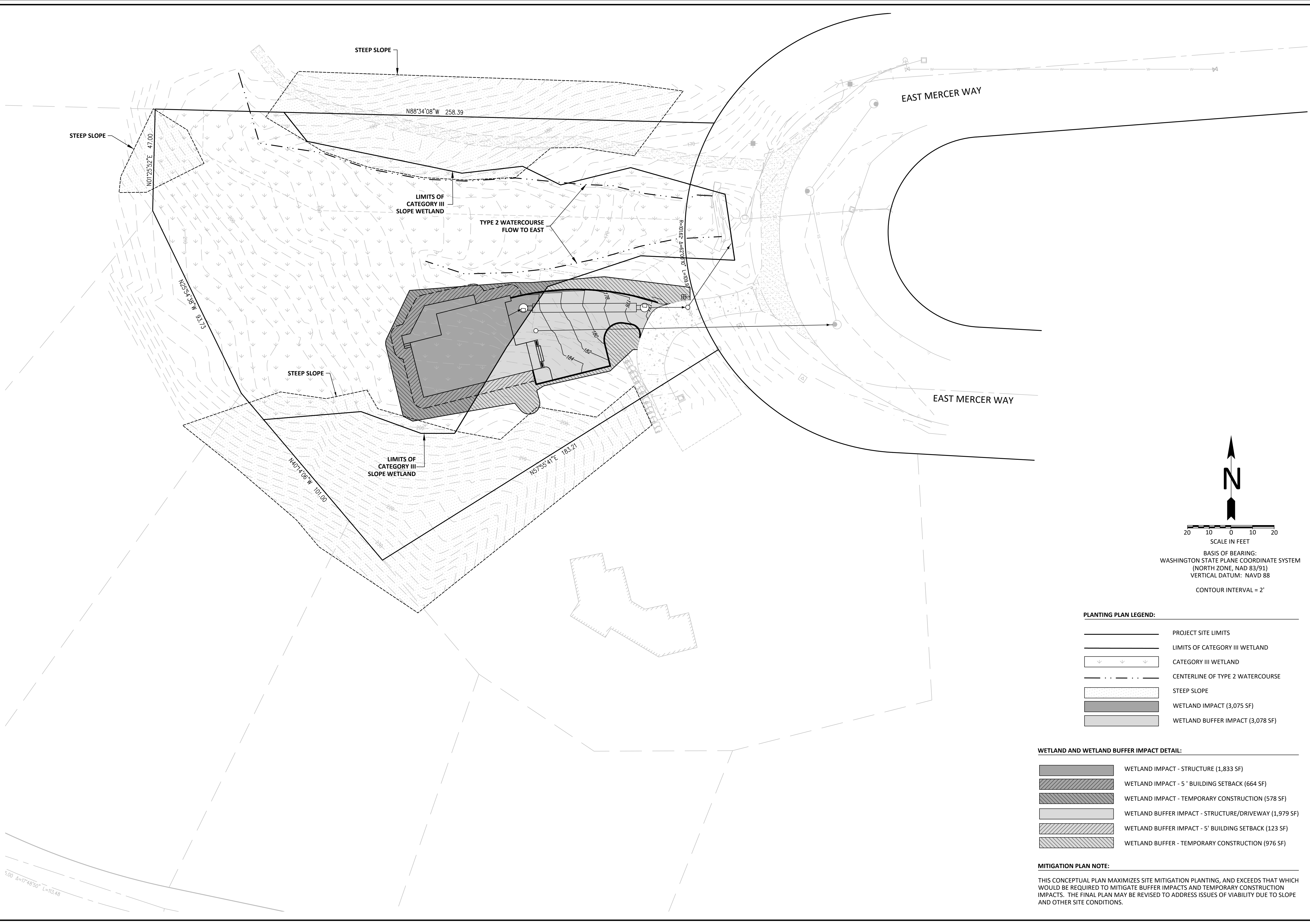
DATE	OCTOBER 2020	DESIGNED	FLAVIO BIANOTTI
DRAWN	CHUCK FEMLING	APPROVED	MICHAEL MOODY, PE
SHEET	C4.31	PROJECT MANAGER	MICHAEL MOODY, PE
OF	6		
PROJECT NUMBER	18039		

STORM DRAINAGE DETAILS
MERCER ISLAND TREEHOUSE
MI TREEHOUSE LLC
PO BOX 261
MEDINA, WA 98040

CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
PLANNING
SURVEYING

CORE DESIGN
12100 NE 195th St, Suite 300
Bellevue, Washington 98011 425.885.7877

10-07-22



BASIS OF BEARING:
 WASHINGTON STATE PLANE COORDINATE SYSTEM
 (NORTH ZONE, NAD 83/91)
 VERTICAL DATUM: NAVD 88
 CONTOUR INTERVAL = 2'

PLANTING PLAN LEGEND:

- PROJECT SITE LIMITS
- LIMITS OF CATEGORY III WETLAND
- CATEGORY III WETLAND
- CENTERLINE OF TYPE 2 WATERCOURSE
- STEEP SLOPE
- WETLAND IMPACT (3,075 SF)
- WETLAND BUFFER IMPACT (3,078 SF)

WETLAND AND WETLAND BUFFER IMPACT DETAIL:

- WETLAND IMPACT - STRUCTURE (1,833 SF)
- WETLAND IMPACT - 5' BUILDING SETBACK (664 SF)
- WETLAND IMPACT - TEMPORARY CONSTRUCTION (578 SF)
- WETLAND BUFFER IMPACT - STRUCTURE/DRIVEWAY (1,979 SF)
- WETLAND BUFFER IMPACT - 5' BUILDING SETBACK (123 SF)
- WETLAND BUFFER - TEMPORARY CONSTRUCTION (976 SF)

MITIGATION PLAN NOTE:

THIS CONCEPTUAL PLAN MAXIMIZES SITE MITIGATION PLANTING, AND EXCEEDS THAT WHICH WOULD BE REQUIRED TO MITIGATE BUFFER IMPACTS AND TEMPORARY CONSTRUCTION IMPACTS. THE FINAL PLAN MAY BE REVISED TO ADDRESS ISSUES OF VIABILITY DUE TO SLOPE AND OTHER SITE CONDITIONS.

CRITICAL AREA ENHANCEMENT PLAN
- MI TREEHOUSE LLC -
 5637 EAST MERCER WAY
 MERCER ISLAND, WASHINGTON



UTILITY LOCATIONS AND CHARACTERISTICS SHOWN ON THIS DRAWING, IF ANY, ARE BASED ON THE FIELD LOCATION OF THE APPARENT SURFACE EVIDENCE OF EXISTING STRUCTURES. THE UNDERGROUND ROUTING AND CONDITION OF BURIED UTILITIES HAS NOT BEEN VERIFIED OR CONFIRMED. ADDITIONAL UTILITY LOCATION AND MAPPING MAY BE REQUIRED. FIELD CHECK, VERIFY DEPTH OF, AND ADEQUATELY PROTECT ALL UTILITIES PRIOR TO THE START OF WORK.

NO.	DATE	NOTES
1.	09/08/15	ADDED STREAM
2.	10/21/15	REVISED PER CITY COMMENTS
3.	12/04/18	REVISED PER NEW SITE PLAN
4.	12/17/18	ADDED IMPACT SITE PLAN
5.	01/24/19	REVISED PLANTING PLAN
6.	01/25/19	ADDED MITIGATION PLAN NOTE
7.	10/30/19	REVISED PER NEW SITE PLAN
8.	12/02/20	REVISED PER NEW SITE PLAN
9.	10/06/22	REVISED MONITORING PLAN

DATE: 03/04/2015
 JOB NUMBER: 14-206

SITE PLAN

5.00 4=17'48"50" L=113.48

MONITORING PLAN & MAINTENANCE PLAN

ENHANCEMENT PLAN GOALS, OBJECTIVES, AND PERFORMANCE STANDARDS

ENHANCEMENT PLAN GOALS, OBJECTIVES, AND PERFORMANCE STANDARDS ARE OUTLINED IN TABLE 2-1 (BELOW). THE GOALS AND OBJECTIVES OF THIS PLAN ARE CONSIDERED ACHIEVED WHEN THE PERFORMANCE STANDARDS ARE SATISFIED.

MONITORING PLAN

AS-BUILT

FOLLOWING COMPLETION OF THE WORK SHOWN ON THIS PLAN, A QUALIFIED PROFESSIONAL SHALL PREPARE AN AS-BUILT OF THE COMPLETED WORK. THE AS-BUILT SHALL SUMMARIZE THE COMPLETED WORK AS WELL AS ANY DEVIATIONS FROM THE APPROVED VERSION OF THIS PLAN.

BASELINE MONITORING DATA SHALL BE COLLECTED AT THE TIME OF THE AS-BUILT (SEE "ANNUAL COMPLIANCE MONITORING" FOR FIELD DATA COLLECTION REQUIREMENTS). PERMANENT PHOTO POINTS SHALL BE ESTABLISHED AT THE TIME OF THE AS-BUILT TO PHOTOGRAPHICALLY DOCUMENT REPRESENTATIVE CONDITIONS WITHIN BUFFER AREAS. BASELINE MONITORING AND PHOTOGRAPHS SHALL BE SUBMITTED WITH THE AS-BUILT.

THE AS-BUILT AND BASELINE MONITORING DATA SHALL BE SUBMITTED TO THE CITY OF MERCER ISLAND NO LATER THAN 30 DAYS FROM THE DATE THAT THE WORK SHOWN ON THIS PLAN HAS BEEN COMPLETED.

ANNUAL MONITORING

FOLLOWING ACCEPTANCE OF THE AS-BUILT BY THE CITY OF MERCER ISLAND, ANNUAL COMPLIANCE MONITORING SHALL BE COMPLETED FOR A PERIOD OF FIVE (5) YEARS. ANNUAL COMPLIANCE MONITORING SHALL BE COMPLETED BY A QUALIFIED PROFESSIONAL AND SHALL COMPRISE A SITE INVESTIGATION IN AUGUST OR SEPTEMBER AND REPORTING TO THE CITY OF MERCER ISLAND BY NOVEMBER 30 OF EACH MONITORING YEAR.

MONITORING SHALL COMPRISE A QUANTITATIVE ASSESSMENT OF CONDITIONS WITHIN BUFFER AREAS FOR PURPOSES OF EVALUATING THE CURRENT YEAR'S SUCCESS STANDARDS. AT THE TIME OF EACH MONITORING, THE FOLLOWING INFORMATION SHALL BE COLLECTED WITHIN BUFFER AREAS AND ASSESSED RELATIVE TO THE SUCCESS STANDARDS ESTABLISHED FOR THE PROJECT:

- THE CONDITION OF INSTALLED PLANT STOCK INCLUDING SURVIVORSHIP, HEALTH, AND VIGOR. THE RATIONALE FOR POOR CONDITIONS, IF PRESENT, WILL BE DETERMINED. A DIRECT COUNT INVENTORY AND ASSESSMENT OF INSTALLED PLANT STOCK SHALL BE USED TO EVALUATE PLANT STOCK CONDITIONS. IN ADDITION, PHOTOGRAPHS OF BUFFER AREAS SHALL BE TAKEN FROM THE PERMANENT PHOTO POINTS ESTABLISHED DURING THE AS-BUILT.
- YEAR 5 ONLY - WETLAND LIMITS SHALL BE VERIFIED USING THE WETLAND DELINEATION METHODS DESCRIBED IN THE 1987 CORPS OF ENGINEER WETLAND DELINEATION MANUAL AS AMENDED BY THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS MANUAL: WESTERN MOUNTAINS, VALLEYS, AND COAST (VERSION 2.0).

THE RESULTS OF EACH MONITORING ASSESSMENT SHALL BE SUMMARIZED IN A WRITTEN REPORT AND SUBMITTED TO THE CITY OF MERCER ISLAND NO LATER THAN NOVEMBER 30 OF THE RESPECTIVE MONITORING YEAR.

CONTINGENCY PLAN

SHOULD ANY COMPLIANCE MONITORING ASSESSMENT REVEAL THAT THE PERFORMANCE STANDARDS FOR THE RESPECTIVE YEAR ARE NOT SATISFIED, THE PERMITTEE SHALL WORK WITH THE CITY OF MERCER ISLAND TO DEVELOP A CONTINGENCY PLAN TO ADDRESS THE DEFICIENCY(IES). CONTINGENCY PLANS CAN INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING ACTIONS:

1. ADDITIONAL PLANT INSTALLATION;
2. EROSION CONTROL;
3. HERBIVORY PROTECTION;
4. MODIFICATION TO THE IRRIGATION REGIME; AND/OR
5. PLANT SUBSTITUTIONS OF TYPE, SIZE, QUANTITY, AND LOCATION.

SUCH CONTINGENCY PLAN SHALL BE SUBMITTED TO THE CITY OF MERCER ISLAND BY JANUARY 31 OF ANY YEAR WHEN DEFICIENCIES ARE DISCOVERED. UNLESS OTHERWISE APPROVED BY THE CITY OF MERCER ISLAND, ACTIONS SPECIFIED ON AN APPROVED CONTINGENCY PLAN MUST BE COMPLETED WITHIN 60 DAYS. IF THE FAILURE IS SUBSTANTIAL, THE CITY OF MERCER ISLAND MAY EXTEND THE COMPLIANCE MONITORING PERIOD FOR THE ENHANCEMENT WORK.

MAINTENANCE PLAN

THIS SECTION PROVIDES A GENERAL OVERVIEW OF THE MAINTENANCE PROGRAM NECESSARY TO ENSURE THE PERFORMANCE STANDARDS ESTABLISHED FOR THIS PLAN ARE SATISFIED.

GENERAL MAINTENANCE

INSTALLED PLANTS SHALL BE MAINTAINED AT REGULAR INTERVALS DURING THE MONITORING PERIOD TO PROMOTE THE SUCCESSFUL ESTABLISHMENT AND VIGOROUS GROWTH OF THE INSTALLED PLANT STOCK.

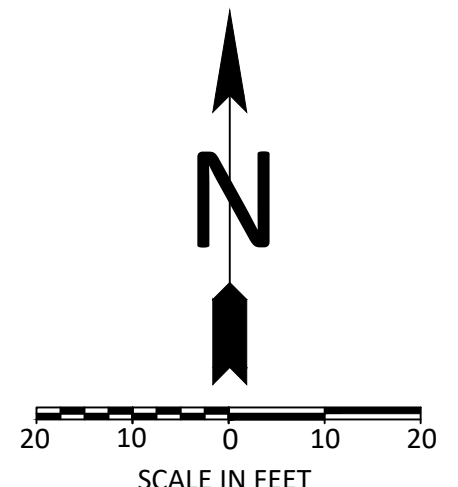
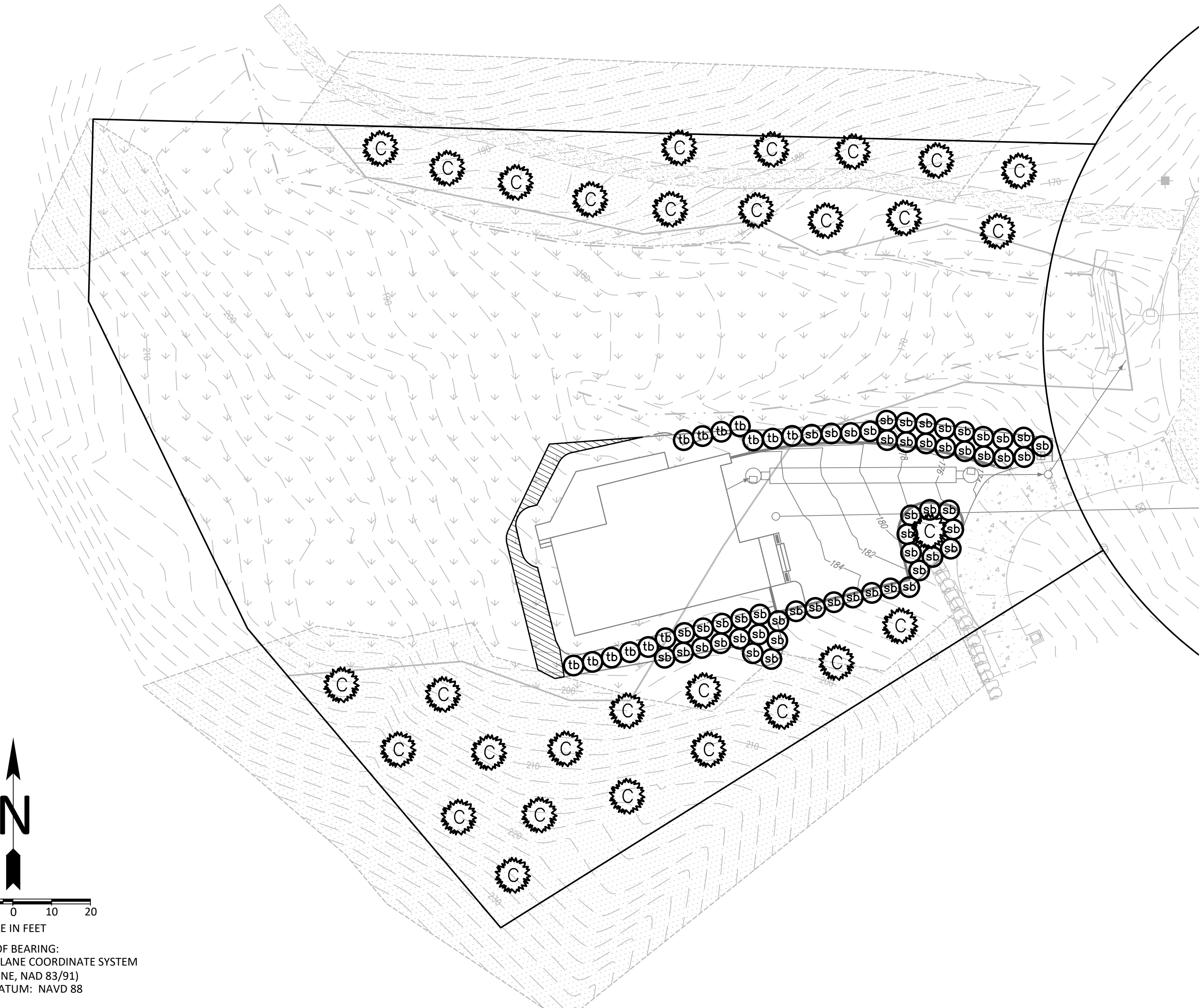
GENERAL MAINTENANCE SHALL INCLUDE:

1. RE-APPLYING BARK MULCH TO MAINTAIN A 6" MINIMUM APPLIED THICKNESS - YEAR 1 ONLY.
3. THE PRUNING OF INSTALLED PLANTS TO REMOVE DEAD WOOD AND PROMOTE VIGOROUS PLANT GROWTH AND PROPER FORM.
4. THE REPLACEMENT OF PLANTS THAT APPEAR TO BE IN DISTRESS AND/OR DISEASED.
5. THE REMOVAL OF TRASH, LITTER, AND/OR OTHER NON-DECOMPOSING DEBRIS.

GENERAL MAINTENANCE WORK SHALL OCCUR MONTHLY DURING THE GROWING SEASON AND/OR AT A FREQUENCY OTHERWISE NECESSARY TO ENSURE THE SUCCESSFUL ESTABLISHMENT AND VIGOROUS GROWTH OF THE INSTALLED PLANTS.

TABLE 2-1: GOALS, OBJECTIVES, MONITORING SCHEDULE, & PERFORMANCE STANDARDS

GOAL	OBJECTIVE	SCHEDULE	PERFORMANCE STANDARDS
TO SUCCESSFULLY ENHANCE ON-SITE WETLAND AND BUFFER AREAS USING NATIVE PLANT SPECIES.	TO INSTALL AND SUCCESSFULLY ESTABLISH NATIVE PLANTINGS AS SHOWN ON THIS DRAWING.	AUGUST OR SEPTEMBER OF YEARS 1, 2, 3, 4, & 5 FOLLOWING PLANT INITIAL INSTALLATION	<ul style="list-style-type: none"> • 100% SURVIVAL BY INSTALLED PLANT STOCK AFTER THE FIRST GROWING SEASON (YEAR 1). THIS STANDARD CAN BE MET THROUGH PLANT ESTABLISHMENT OR REPLANTING, AS NECESSARY, TO ACHIEVE THE REQUIRED PLANT NUMBERS. • 85% SURVIVAL BY INSTALLED PLANT STOCK AFTER THE FIFTH GROWING SEASON (YEAR 5).



SCALE IN FEET
BASIS OF BEARING:
WASHINGTON STATE PLANE COORDINATE SYSTEM
(NORTH ZONE, NAD 83/91)
VERTICAL DATUM: NAVD 88

CONTOUR INTERVAL = 2'

MITIGATION PLAN NOTE:

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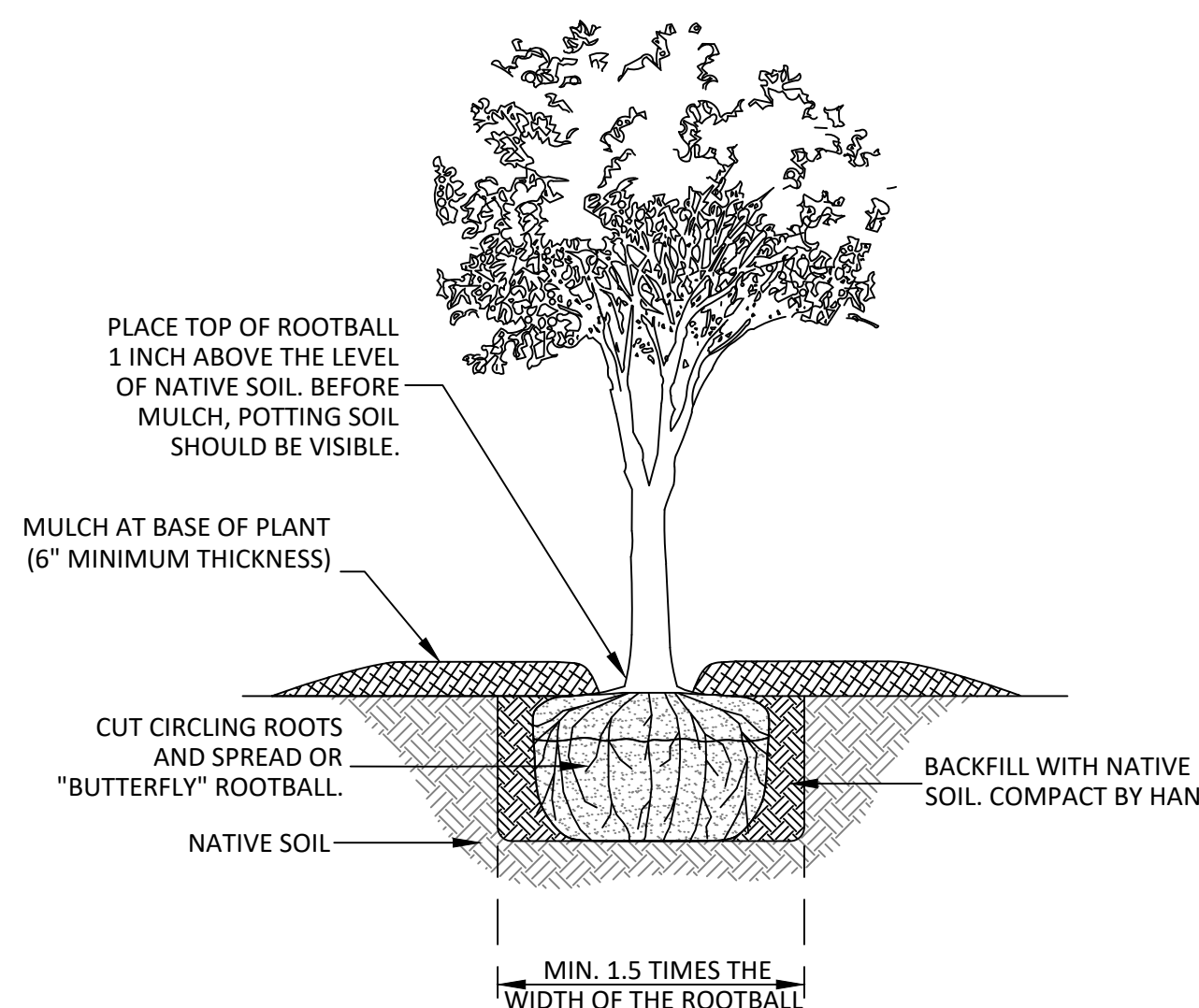
PLANTING PLAN NOTES:

1. BASE TOPOGRAPHIC AND SITE PLAN PROVIDED BY HEALY-JORGENSEN ARCHITECTS (2958 222ND PLACE SE - SAMMAMISH, WASHINGTON 98075; 425-454-3096). SOURCE DRAWINGS HAVE BEEN MODIFIED FOR VISUAL ENHANCEMENT.
2. PROTECT AND ACCOMMODATE EXISTING NATIVE VEGETATION WHEN INSTALLING PLANTS.
3. PLANT MATERIAL QUALITY AND LOCATIONS SHALL BE INSPECTED BY PLAN DESIGNER PRIOR TO PLANT INSTALLATION.
4. PLANT LOCATIONS SHOWN ARE APPROXIMATE. ADJUST PLANT LOCATIONS TO ACCOMMODATE SITE CONDITIONS, TO PRESERVE AND PROTECT EXISTING NATIVE VEGETATION, AND/OR PER PLAN DESIGNER AT THE TIME OF INSTALLATION.
5. SEE THIS SHEET FOR PLANT INSTALLATION DETAILS.

PLANT SCHEDULE:

COMMON NAME	SCIENTIFIC NAME	SIZE/FORM	QUANTITY	SPACING
WESTERN REDCEDAR	<i>THUJA PLICATA</i>	2 GALLON CONTAINERIZED	30	AS SHOWN
TWINBERRY HONEYSUCKLE	<i>LONICERA INVOLUCRATA</i>	2 GALLON CONTAINERIZED	13	AS SHOWN
SALMONBERRY	<i>RUBUS SPECTABILIS</i>	2 GALLON CONTAINERIZED	52	AS-SHOWN
RED-OSIER DOGWOOD	<i>CORNUS SERICEA</i>	4 FOOT LIVE STAKE	25	4 FT ON-CENTER

TOTAL - 120



PLANT INSTALLATION DETAIL

NOT TO SCALE

GENERAL NOTES:

1. WORK SHALL CONFORM TO ANY AND ALL APPLICABLE PERMITS AND/OR APPROVED CONSTRUCTION DRAWINGS.
2. WORK SHALL BE COMPLETED BY PERSONS EXPERIENCED IN THE ENHANCEMENT WORK SHOWN ON THESE DRAWINGS.
3. BEFORE THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN MERCER ISLAND, THE OWNER, AND THE PLAN DESIGNER.
4. A COPY OF THESE APPROVED DRAWINGS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. SITE CONDITIONS MAY VARY BASED ON SEASON AND/OR TIME OF YEAR. THE CONSTRUCTION CONTRACTOR SHALL ACCOMMODATE REALIZED AND ANTICIPATED SITE CONDITIONS WHEN COMPLETING THE WORK SHOWN ON THESE DRAWINGS.



Know what's below.
Call before you dig.

UTILITY LOCATIONS AND CHARACTERISTICS SHOWN ON THIS DRAWING, IF ANY, ARE BASED ON THE FIELD LOCATION OF THE APPROPRIATE SURFACE EVIDENCE OF EXISTING STRUCTURES. THE UNDERGROUND ROUTING AND CONDITION OF BURIED UTILITIES HAS NOT BEEN VERIFIED OR CONFIRMED. ADDITIONAL UTILITY LOCATION AND MAPPING MAY BE REQUIRED. FIELD CHECK, VERIFY DEPTHS OF, AND ADEQUATELY PROTECT ALL UTILITIES PRIOR TO THE START OF WORK.

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9.	10/06/22	REVISED MONITORING PLAN

DATE: 03/04/2015
JOB NUMBER: 14-206

Planting Plan, Notes, Details, & Monitoring Plan