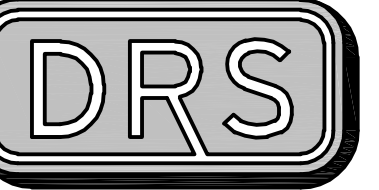


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C 425.827.3065 F 425.827.3423

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T.E.S.C. NOTES & DETAILS
8427 SE 47TH STREET
MERCER ISLAND
WASHINGTON 98040
PARCEL NO. 7598100421

TODD SHERMAN
DESIGN BUILT HOMES

11400 SE 8TH STREET, SUITE 415
BELLEVUE, WASHINGTON 98004
206-909-8187



DATE	REVISION	APR	MAJ	MAJ
11-30-22	REV: PER AGENCY COMMENTS			
03-29-23	REV: PER AGENCY COMMENTS			

DRAFTED BY: JSE
DESIGNED BY: JSE
PROJECT ENGINEER: MAJ
DATE: 07.01.22
PROJECT NO.: 21071

DRAWING: C2
SHEET: 2 OF 6

SOIL AMENDMENT NOTES

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:

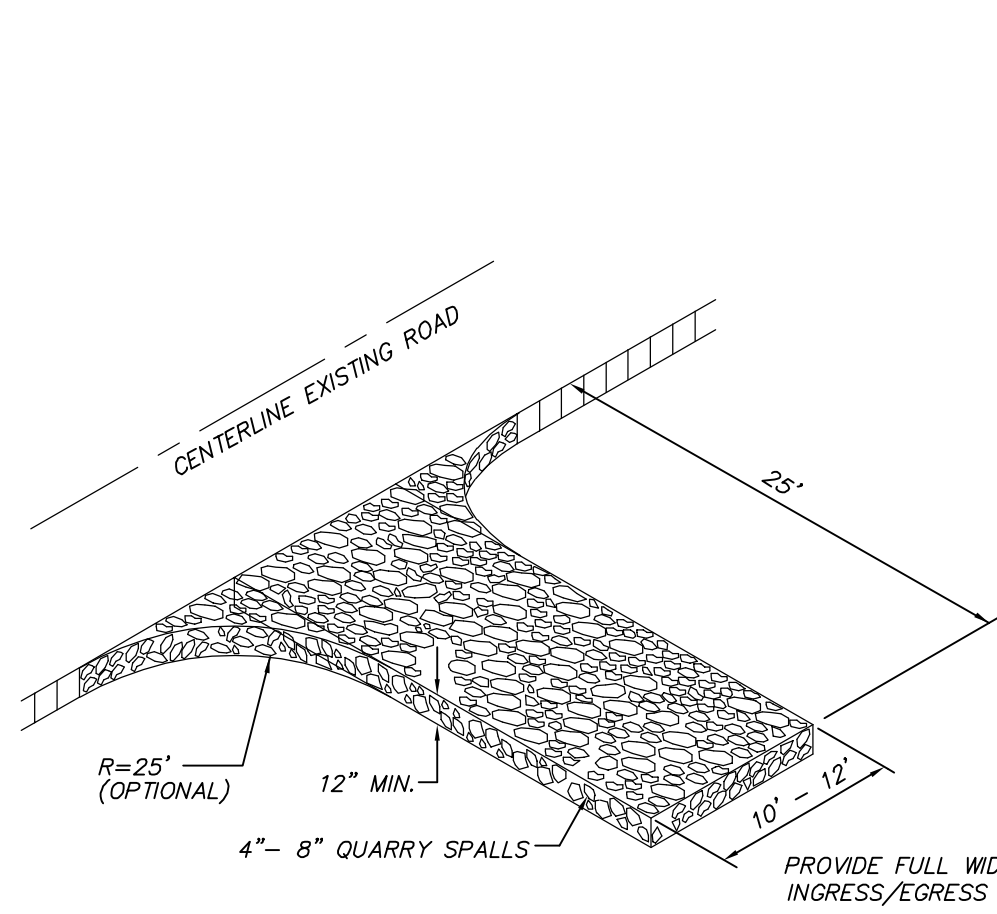
- A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE 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 2-4 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 BIORETENTION (BMP T7.30), 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.

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 OR AT A CUSTOM CALCULATED MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.

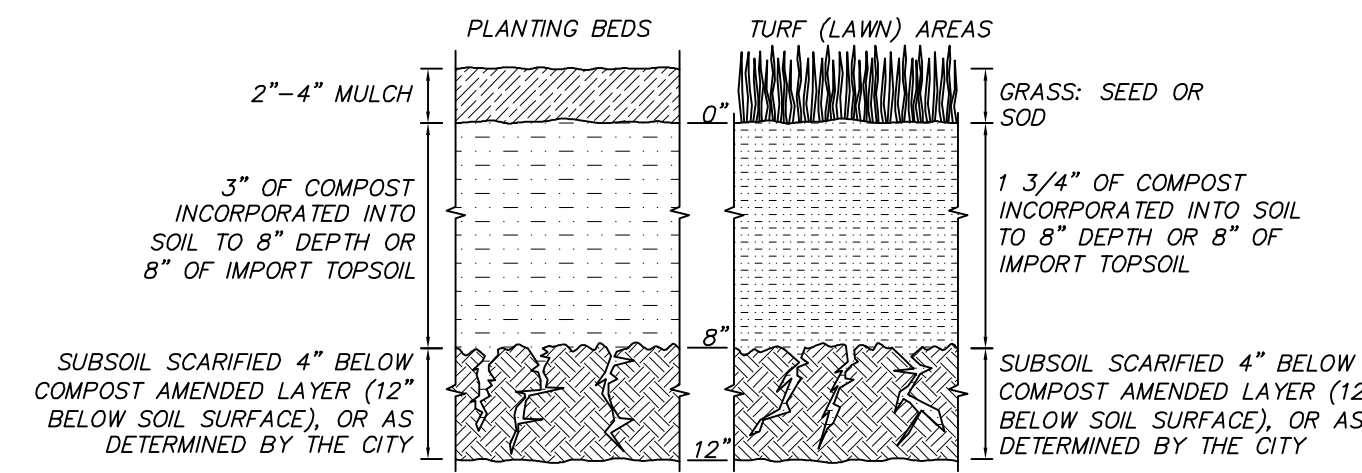
MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

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.



DRIVEWAYS SHALL BE PAVED TO THE EDGE OF R-O-W PRIOR TO INSTALLATION OF THE CONSTRUCTION ENTRANCE TO AVOID DAMAGING OF THE ROADWAY
IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS OFF THE PAD

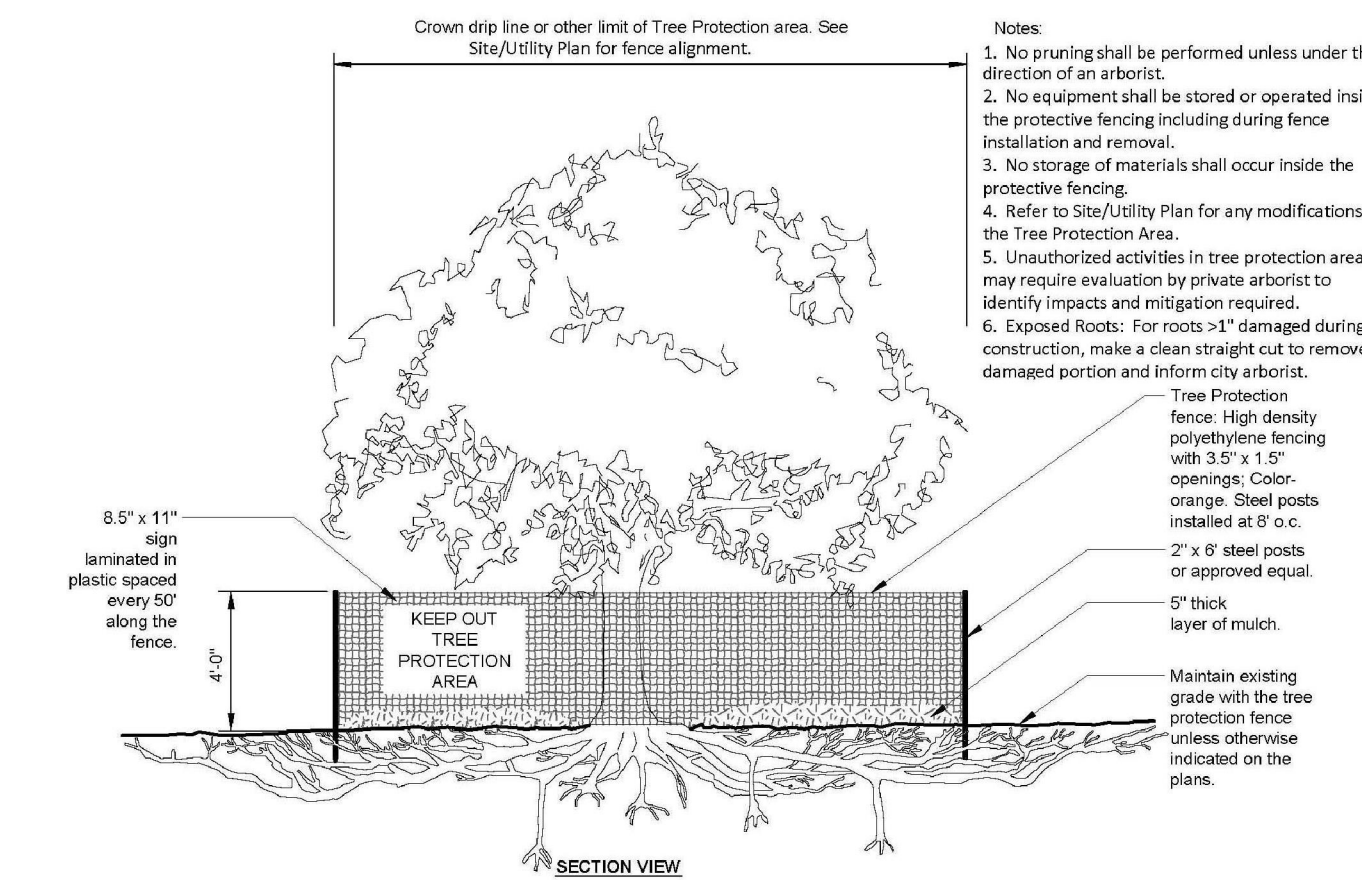
GRAVEL CONSTRUCTION ENTRANCE



SOIL AMENDMENT

PER BMP T5.13

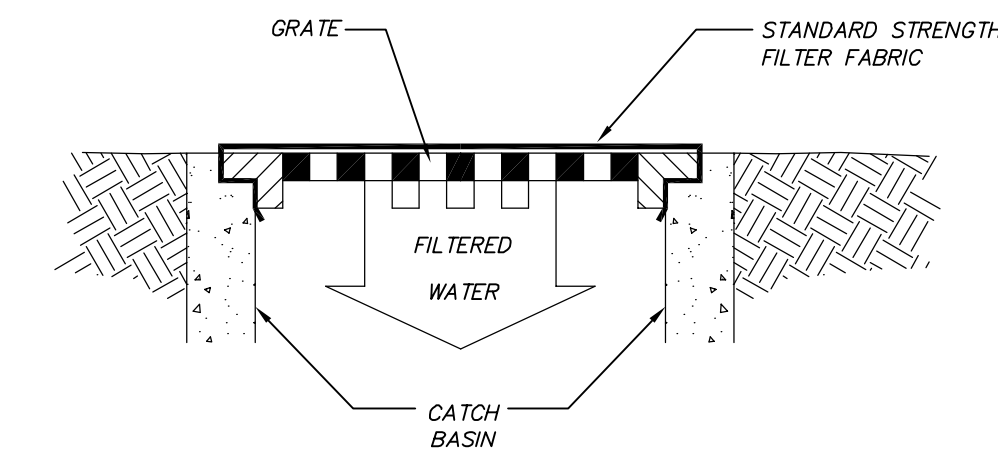
NTS



Notes:
1. No pruning shall be performed unless under the direction of an arborist.
2. No equipment shall be stored or operated inside the protective fencing including during fence installation and removal.
3. No storage of materials shall occur inside the protective fencing.
4. Refer to Site/Utility Plan for any modifications to the Tree Protection Area.
5. Unauthorized activities in tree protection area may require evaluation by private arborist to identify impacts and mitigation required.
6. Exposed roots: For roots >1" diameter during construction, make a clean straight cut to removed damaged portion and inform city arborist.
Tree Protection fence: High density polyethylene fencing with 3/8" x 1/2" openings. Color: orange. Steel posts installed at 8' o.c.
2" x 6" steel posts or approved equal.
5" layer of mulch.
Maintain existing grade with the tree protection fence unless otherwise indicated on the plans.

TREE PROTECTION FENCING

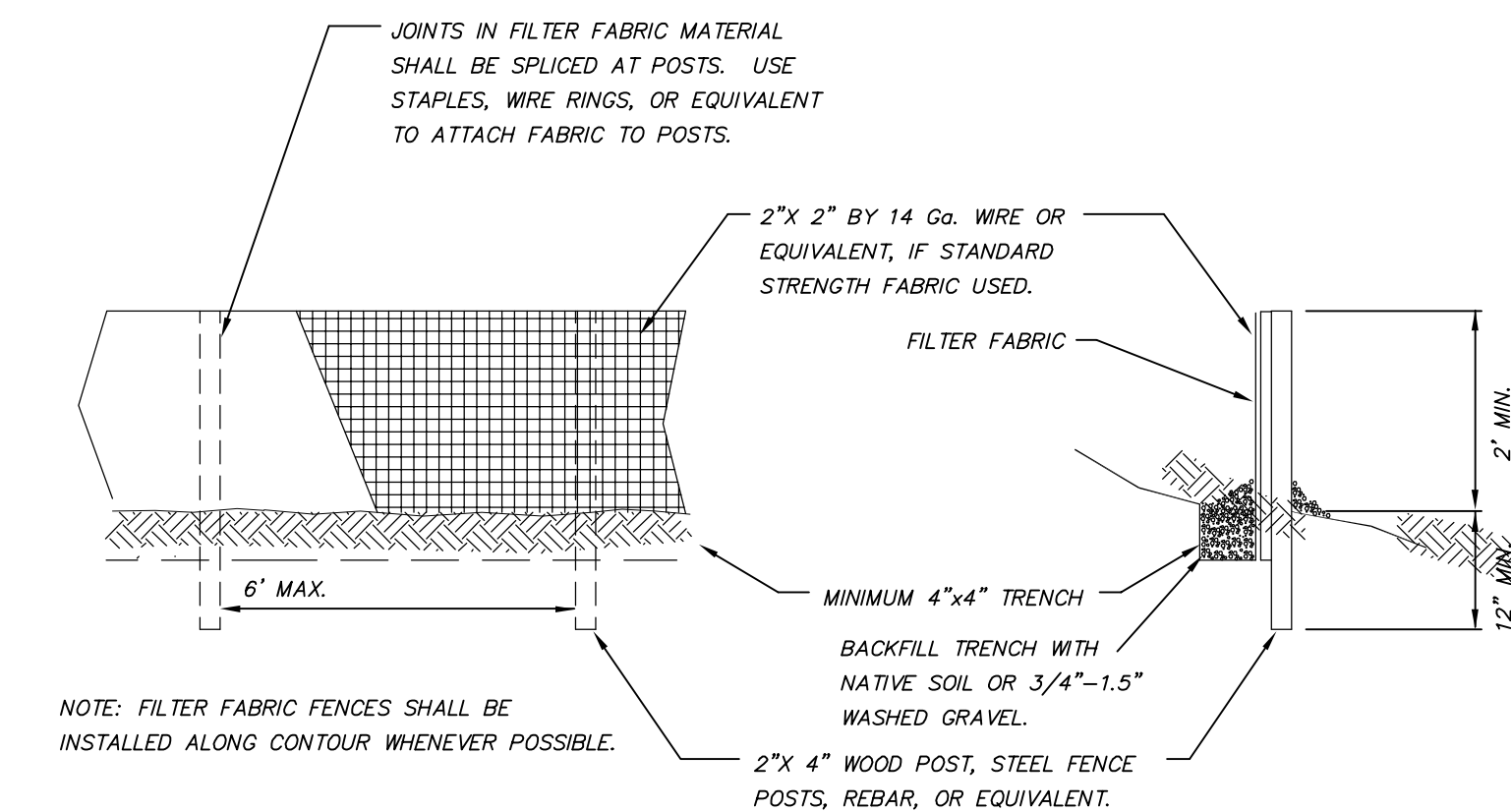
NTS



NOTE: ONLY TO BE USED WHERE PONDING OF WATER ABOVE THE CATCH BASIN WILL NOT CAUSE TRAFFIC PROBLEMS AND WHERE OVERFLOW WILL NOT RESULT IN EROSION OF SLOPES.

CATCH BASIN INLET FILTER

NTS



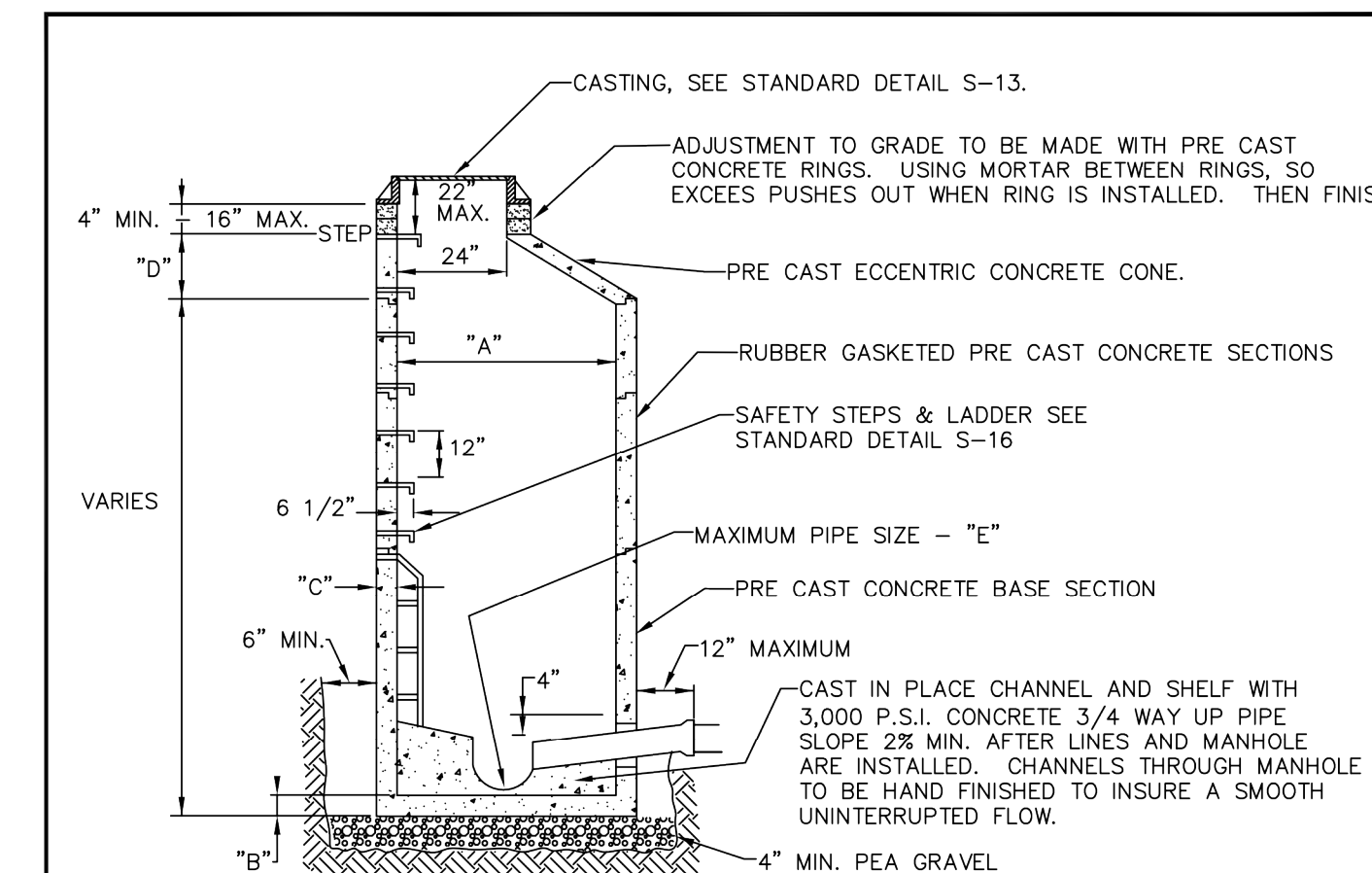
NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.

SILT FENCE DETAIL

NTS

CATCH BASIN INSERT MAINTENANCE STANDARDS

- ANY ACCUMULATED SEDIMENT ON OR AROUND THE FILTER FABRIC PROTECTION SHALL BE REMOVED IMMEDIATELY. SEDIMENT SHALL NOT BE REMOVED WITH WATER, AND ALL SEDIMENT MUST BE DISPOSED OF AS FILL ON SITE OR HAULED OFF SITE.
- ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR REPLACED AT LEAST MONTHLY.
- REGULAR MAINTENANCE IS CRITICAL FOR BOTH FORMS OF CATCH BASIN PROTECTION. UNLIKE MANY FORMS OF PROTECTION THAT FAIL GRADUALLY, CATCH BASIN PROTECTION WILL FAIL SUDDENLY AND COMPLETELY IF NOT MAINTAINED PROPERLY.



	"A"	"B"	"C"	"D"	"E"
48" MH	48"	6" MIN.	5" MIN.	24" MIN.	21" I.D.
54" MH	54"	8" MIN.	5.5" MIN.	24" MIN.	24" I.D.
60" MH	60"	8" MIN.	6" MIN.	42" MIN.	30" I.D.

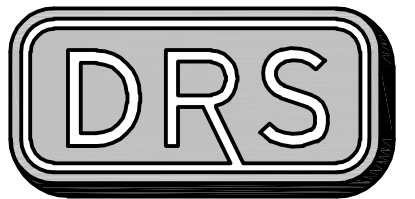
NOTES

- PRE-CAST SECTIONS SHALL BE REINFORCED PER ASTM SPECS FOR CORRESPONDING SEWER PIPE.
- SAFETY STEPS, 1" MINIMUM, SEE STANDARD DETAILS S-16. STEPS IN PRE-CAST BASE SECTION MAY BE CAST IN PLACE OR MOVABLE SAFETY LADDER GROUTED IN PLACE.
- ALL HOLES FOR PIPE SHALL BE BLOCKED OUT AT THE TIME OF CASTING THE SECTION.
- ALL RUBBER GASKETED MANHOLES SHALL BE FURNISHED WITH RUBBER GASKET JOINT CONFORMING ASTM C-443.
- MINIMUM 2% SLOPE ACROSS MANHOLE.
- SEE STANDARD DETAIL S-13 FOR MANHOLE FRAME AND COVER.
- CONNECTION TO MANHOLE WITH PVC PIPE REQUIRES A PVC x CONCRETE ADAPTER.
- ALL PIPE THROUGH MANHOLE WALL SHALL HAVE A "KOR-N-SEAL" WITH "WEDGE KORBAND" MANUFACTURED BY NPC, INC. OR APPROVED EQUAL.
- BEDDING AND FOUNDATION MATERIAL REQUIRED AS SHOWN ON DETAIL AND AS NOTED IN THE SPECIFICATIONS.
- LOCATION OF MANHOLE STEPS SHALL NOT BE OVER FLOW LINES AND SHALL BE APPROVED BY THE CITY ENGINEER.

CITY OF MERCER ISLAND
STANDARD DETAILS
SEWER
TYPE 1 MANHOLE
48" - 60"
6-5-2009 NO SCALE **S-5**

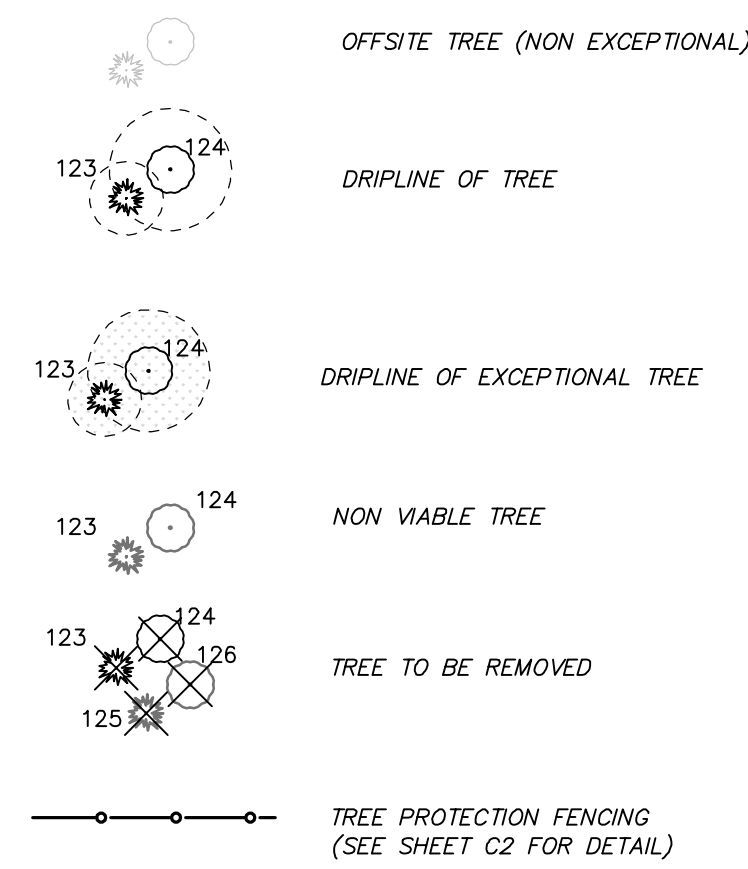
REV	DATE	APPROVED

NE 1/4 SECTION 18, TOWNSHIP 24 N, RANGE 5 E, W.M.
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 O 425.827.3063 F 425.827.2423

LEGEND



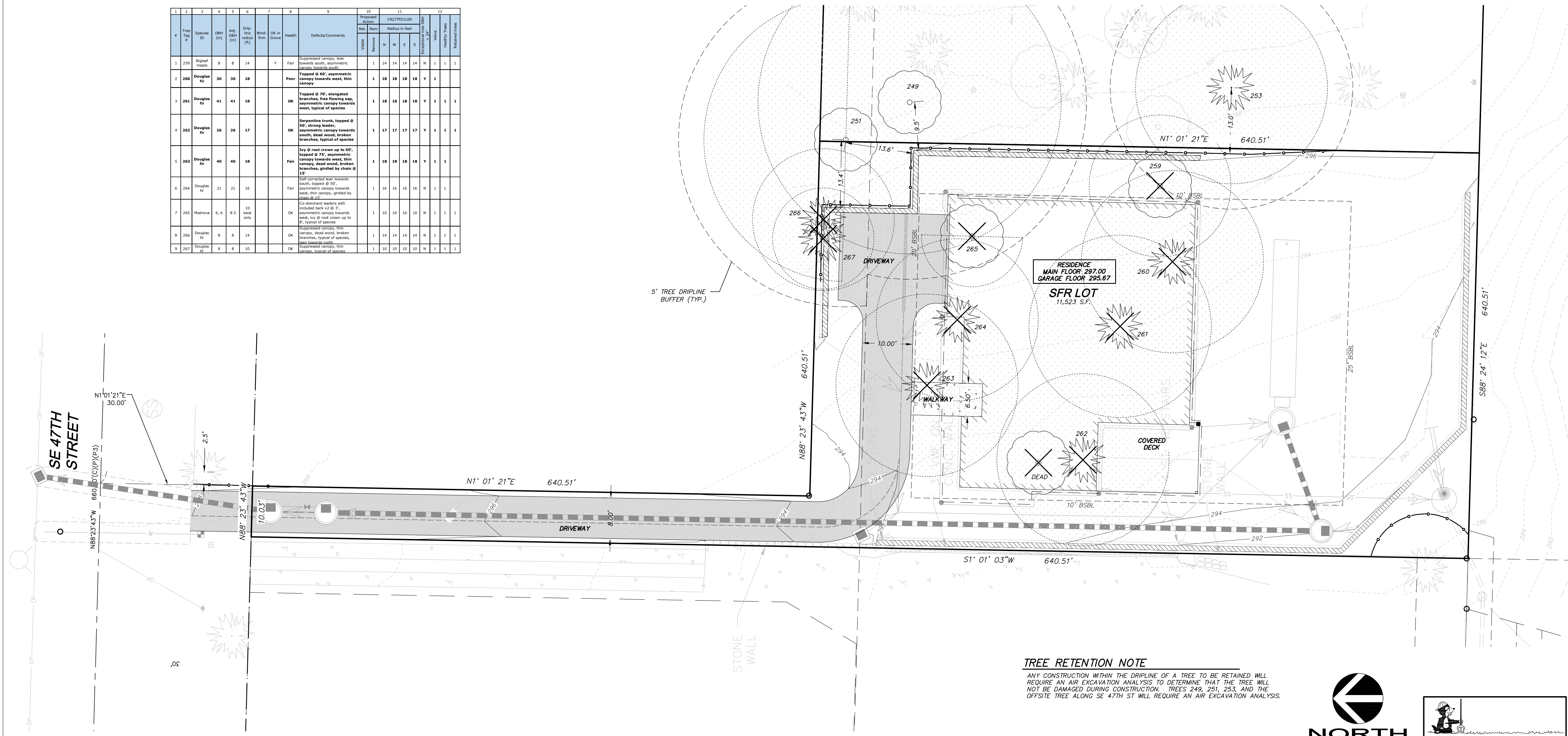
TREE RETENTION CALCULATION

TOTAL ONSITE TREES:	9
TOTAL VIABLE ONSITE TREES:	6
TOTAL NUMBER OF EXCEPTIONAL TREES:	4
REQUIRED: 30% VIABLE TREES:	2
PROPOSED VIABLE TREES RETAINED:	0

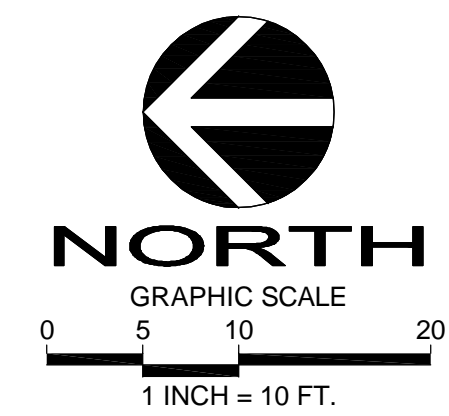
TREE REPLACEMENT CALCULATION (MICC 19.10.070)

DIAMETER OF REMOVED TREE	NUMBER OF TREES REMOVED	NUMBER OF REPLACEMENT TREES REQUIRED
< 10 INCHES	4	1 (4 TOTAL)
10-24 INCHES	1	2 (2 TOTAL)
24-36 INCHES	2	3 (6 TOTAL)
> 36 INCHES	2	4 (8 TOTAL)
		= 20 TOTAL REPLACEMENT TREES

Tree ID #	Species	DBH (in)	Adj. DBH (in)	Drip-line radius (ft)	Wind firm	OK in Grove	Health	Defects/Comments	Proposed Action					Healthy Tree	Replacement Tree	
									Retain	Remove	Radius in feet	N	W			E
1 259	Bigleaf maple	8	8	14		Y	Fair	Suppressed canopy, lean towards south, asymmetric canopy towards south.	1	14	14	14	14	N	1	1
2 260	Douglas fir	30	30	18			Poor	Topped @ 80', asymmetric canopy towards west, thin canopy	1	18	18	18	18	Y	1	1
3 261	Douglas fir	41	41	18			OK	Topped @ 70', elongated branches, fine flowering web, asymmetric canopy towards west, typical of species	1	18	18	18	18	Y	1	1
4 262	Douglas fir	26	26	17			OK	Serpentine trunk, topped @ 80', strong leader, asymmetric canopy towards south, dead wood, broken branches, typical of species	1	17	17	17	17	Y	1	1
5 263	Douglas fir	40	40	18			Fair	Try @ root crown up to 50', topped @ 70', asymmetric canopy towards west, thin canopy, dead wood, broken branches, girdled by chain @ 15'	1	18	18	18	18	Y	1	1
6 264	Douglas fir	21	21	16			Fair	Self-corrected lean towards south, topped @ 80', asymmetric canopy towards west, thin canopy, girdled by chain @ 12'	1	16	16	16	16	N	1	1
7 265	Hedera	6.6	6.5	10	west only		OK	Co-dominant leaders with included bark, x2 @ 7', asymmetric canopy towards west, try @ root crown up to 5', typical of species	1	10	10	10	10	N	1	1
8 266	Douglas fir	8	8	14			OK	Suppressed canopy, thin canopy, dead wood, broken branches, typical of species, leaning towards west	1	14	14	14	14	N	1	1
9 267	Douglas fir	8	8	10			OK	Suppressed canopy, thin canopy, typical of species	1	10	10	10	10	N	1	1



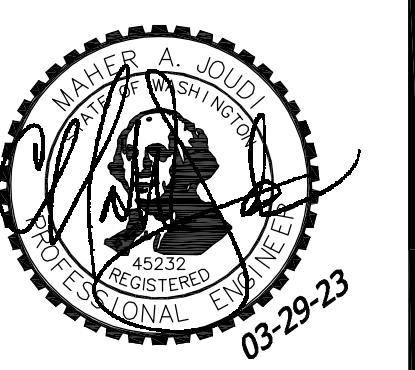
TREE RETENTION NOTE
 ANY CONSTRUCTION WITHIN THE DRIPLINE OF A TREE TO BE RETAINED WILL REQUIRE AN AIR EXCAVATION ANALYSIS TO DETERMINE THAT THE TREE WILL NOT BE DAMAGED DURING CONSTRUCTION. TREES 249, 251, 253, AND THE OFFSITE TREE ALONG SE 47TH ST WILL REQUIRE AN AIR EXCAVATION ANALYSIS.



811
 Call 2 Working Days Before You Dig
 Utilities Underground Location Center
 (D,MT,ND,OR,WA)

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 TREE RETENTION PLAN
 8427 SE 47TH STREET
 MERCER ISLAND
 WASHINGTON 98040
 PARCEL NO. 7598100421

TODD SHERMAN
 DESIGN BUILT HOMES
 11400 SE 8TH STREET, SUITE 415
 BELLEVUE, WASHINGTON 98004
 206-909-8187

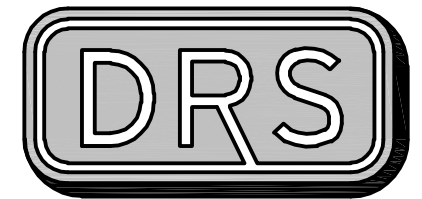


DATE	REVISION	REVISED BY	COMMENTS
11-30-22	REVISED	MAJ	PER AGENCY COMMENTS
03-29-23	REVISED	MAJ	PER AGENCY COMMENTS

DRAFTED BY: JSE
 DESIGNED BY: JSE
 PROJECT ENGINEER: MAJ
 DATE: 07.01.22
 PROJECT NO.: 21071

DRAWING: **C3**
 SHEET: **3** OF **6**

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DRAINAGE PLAN
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MERCER ISLAND
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DATE	REVISION	REVISED BY	REVISION COMMENTS
11.30.22		MAJ	PER AGENCY COMMENTS
03.29.23		MAJ	REVISED PER AGENCY COMMENTS

DRAFTED BY: JSE
DESIGNED BY: JSE
PROJECT ENGINEER: MAJ
DATE: 07.01.22
PROJECT NO.: 21071

DRAWING: C4
SHEET: 4 OF 6

Table 1

New and Replaced Impervious Surface Area (sf)	Detention Pipe Diameter (in)	Detention Pipe Length (ft)		Lowest Orifice Diameter (in) ⁽¹⁾		Distance from Outlet Invert to Second Orifice (ft)		Second Orifice Diameter (in)	
		B soils	C soils	B soils	C soils	B soils	C soils	B soils	C soils
500 to 1,000 sf	36"	30	22	0.5	0.5	2.2	2.0	0.5	0.8
	48"	18	11	0.5	0.5	3.3	3.2	0.9	0.8
	60"	11	7	0.5	0.5	4.2	3.4	0.5	0.6
1,001 to 2,000 sf	36"	66	43	0.5	0.5	2.2	2.3	0.9	1.4
	48"	34	23	0.5	0.5	3.2	3.3	0.9	1.2
	60"	22	14	0.5	0.5	4.3	3.6	0.9	0.9
2,001 to 3,000 sf	36"	90	66	0.5	0.5	2.2	2.4	0.9	1.9
	48"	48	36	0.5	0.5	3.1	2.8	0.9	1.5
	60"	30	20	0.5	0.5	4.2	3.7	0.9	1.1
3,001 to 4,000 sf	36"	120	78	0.5	0.5	2.4	2.2	1.4	1.6
	48"	62	42	0.5	0.5	2.8	2.9	0.8	1.3
	60"	42	26	0.5	0.5	3.8	3.9	0.9	1.3
4,001 to 5,000 sf	36"	134	91	0.5	0.5	2.8	2.2	1.7	1.5
	48"	73	49	0.5	0.5	3.6	2.9	1.6	1.5
	60"	46	31	0.5	0.5	4.6	3.5	1.6	1.3



DOWNSPOUT #	INVERT ELEV.
1	289.48
2	290.09
3	290.76
4	291.89
5	291.39
6	290.38

GENERAL NOTES:

- SITE PLAN PROVIDED BY CLIENT ON APRIL 22, 2022.
- WALL/ FOOTING/ LAWN UNDERDRAIN DRAINAGE SYSTEM AND ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED UNLESS SUCH CONNECTION IS MADE AT LEAST ONE FOOT BELOW THE WALL/FOOTING/ UNDERDRAIN DRAINAGE SYSTEM AND DOWN SLOPE OF THE WALL/BUILDING FOUNDATION AND DOWNSTREAM OF THE DETENTION TANK.
- EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES SHOWN, OR NOT SHOWN IN THEIR PROPER LOCATION.
- CONTRACTOR SHALL POT-HOLE LOCATION OF EXISTING UTILITIES TO BE RECONNECTED PRIOR TO BEGINNING CONSTRUCTION. NOTIFY ENGINEER OF ANY CONFLICTS.
- CONTRACTOR TO VERIFY CONDITION AND GOOD WORKING ORDER OF ALL EXISTING UTILITIES TO BE RECONNECTED OR RE-USED PRIOR TO START OF CONSTRUCTION.
- SOILS ON THE SITE CONSISTS OF KITSAP SILT LOAM (KpB) PER THE NRCS WEB SOIL SURVEY.
- ROOF DRAINS SHALL BE 4" OR 6" PVC AS SHOWN AND HAVE A MINIMUM SLOPE OF 2.00%.
- ALWAYS CALL 811 TWO WORKING DAYS BEFORE YOU DIG.

AREA BREAKDOWN:

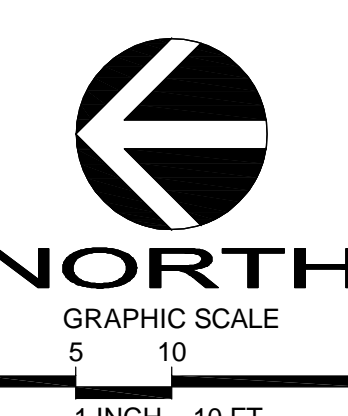
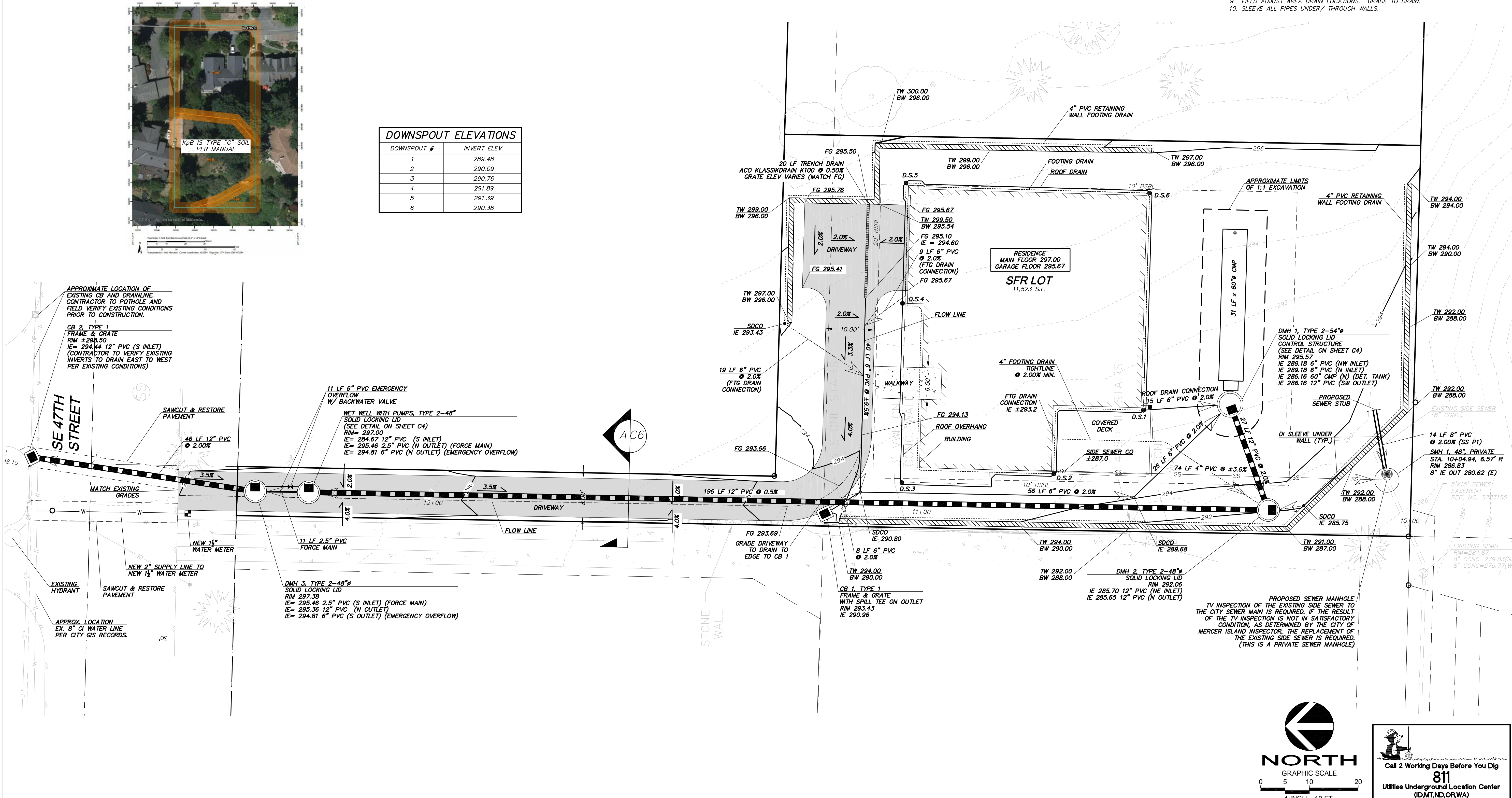
LOT SIZE: 11,523 S.F. (0.265 AC.)
EX. HARD SURFACES ON LOT: NONE
NEW HARD SURFACES ON LOT:
MAIN HOUSE ROOF: 2,867 S.F.
DRIVEWAY: 1,771 S.F.
WALKS & PATIOS: 40 S.F.
TOTAL NEW ON LOT: 4,678 S.F. (40.6%)
NEW HARD SURFACES: 4,678 S.F.
LOT PERVIOUS: 6,845 S.F.
OFFSITE DRIVEWAY: 97 S.F.
TOTAL PROJECT HARD SURFACES: 4,775 S.F.
TOTAL P.G.H.S.: 1,908 S.F.

LAWN AND LANDSCAPE AREA NOTE:

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP 75.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.
AREA (A) ENCOMPASSES THE ENTIRE SITE OUTSIDE OF HARD SURFACES. SEE LANDSCAPE PLANS FOR TURF AND PLANTING BED AREAS. STOCKPILE SITE DUFF AND TOPSOIL FOR ALL DISTURBED PERVIOUS AREAS AND REAPPLY WITH SOIL AMENDMENT AFTER GRADING AND CONSTRUCTION. MINIMUM SCARIFICATION DEPTH 8-INCHES. PROVIDE A TOTAL OF 167 C.Y. OF AMENDMENT FOR AN AREA OF 6,752 S.F. (AREAS FOR TURF AND PLANTING BEDS TO BE DETERMINED)

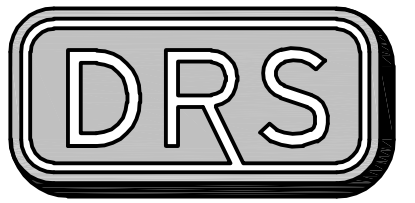
STORM DRAINAGE NOTES:

- FRAME AND GRATE FOR CONTROL STRUCTURE SHALL BE SET DIRECTLY OVER THE LADDER AND OFFSET SO THAT THE OVERFLOW PIPE SHALL BE VISIBLE AT THE EDGE OF THE ACCESS OPENING.
- THE FLOW CONTROL MANHOLE SHALL BE A STANDARD TYPE II CATCH BASIN. LADDER RUNS SHALL BE UNIFORMLY SPACED 12" TO 16 1/2" VERTICALLY.
- ALL STEEL PIPE AND PARTS SHALL BE GALVANIZED.
- THE STORAGE PIPE SHALL GENERALLY HAVE A MINIMUM OF 2 FEET OF COVER.
- 6" & 8" PVC PIPE SHALL MEET ASTM D3034 SDR-35
- FOOTING/ WALL DRAINAGE SYSTEM AND ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED UNLESS SUCH CONNECTION IS MADE AT LEAST ONE FOOT BELOW THE FOOTING/ WALL DRAINAGE SYSTEM AND DOWN SLOPE OF THE BUILDING FOUNDATION. PROVIDE BACKWATER VALVES WHERE NOTED. A PUMP MAY BE REQUIRED FOR THE POOL FOOTING DRAINS.
- APPLICANTS ARE REQUIRED TO CALL FOR INSPECTIONS. IF THE WORK DOES NOT CONFORM TO THE APPROVED PLANS, OR THE INSPECTION REVEALS OTHER CONDITIONS THAT REQUIRE MODIFICATIONS OR ADDITIONAL INFORMATION, THAT PORTION OF THE WORK WILL BE STOPPED. NO FINAL OCCUPANCY SHALL BE PERMITTED UNTIL ALL ON-SITE STORMWATER MANAGEMENT BMPs AND OTHER DRAINAGE CONTROL FACILITIES ARE COMPLETED, INSPECTED AND APPROVED.
- APPLICANTS MAY BE REQUIRED TO OBTAIN A STREET OPENING PERMIT IF DRAINAGE WORK IS TO BE DONE IN THE CITY'S RIGHT-OF-WAY. IF THE IMPROVEMENTS INCLUDE A CONCRETE DRIVEWAY THAT IS TO EXTEND INTO THE PUBLIC RIGHT-OF-WAY, A PUBLIC PLACE USE PERMIT IS REQUIRED FOR THAT PORTION OF THE DRIVEWAY LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY.
- FIELD ADJUST AREA DRAIN LOCATIONS. GRADE TO DRAIN.
- SLEEVE ALL PIPES UNDER/ THROUGH WALLS.

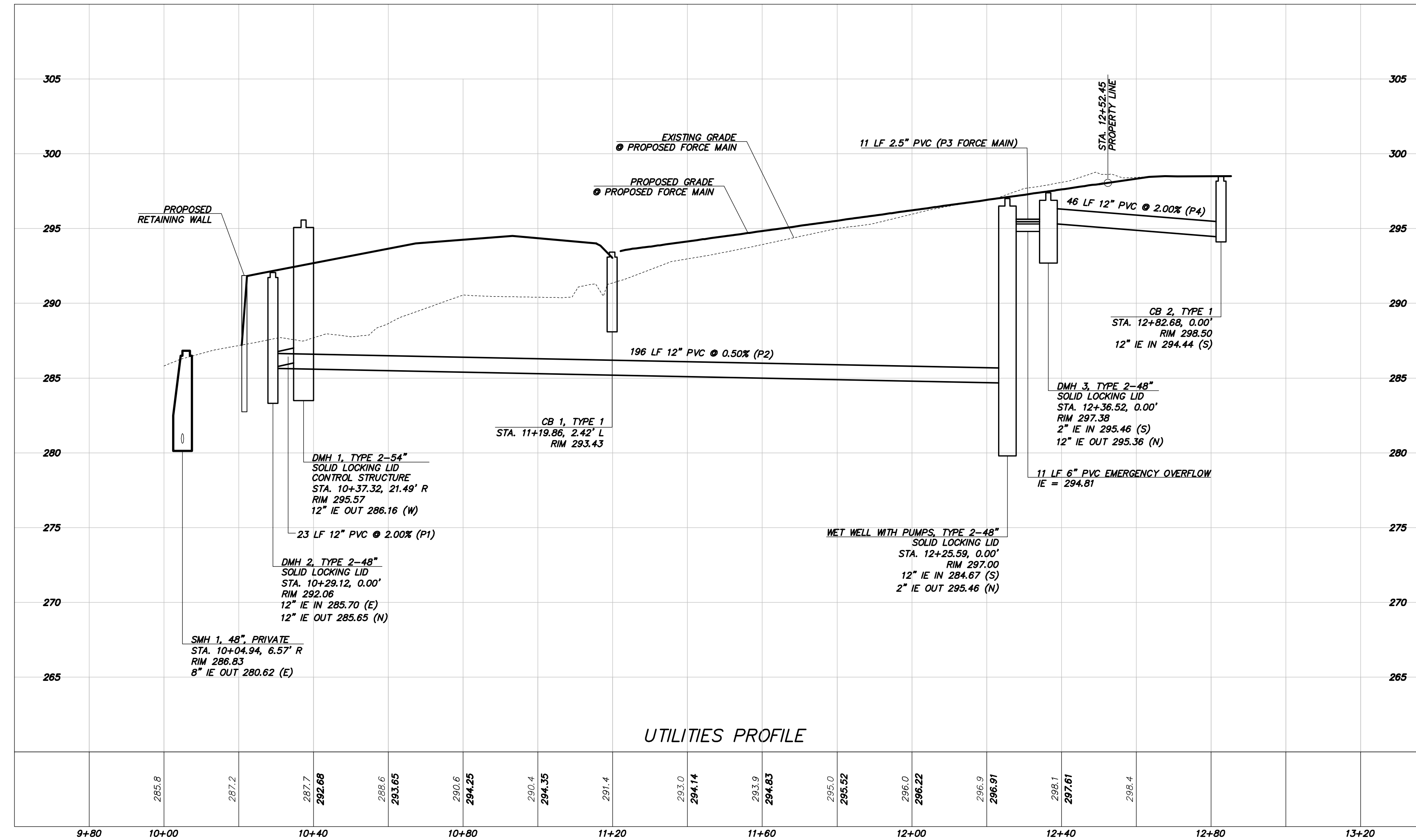


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(D.M.T.N.D.OR.WA)

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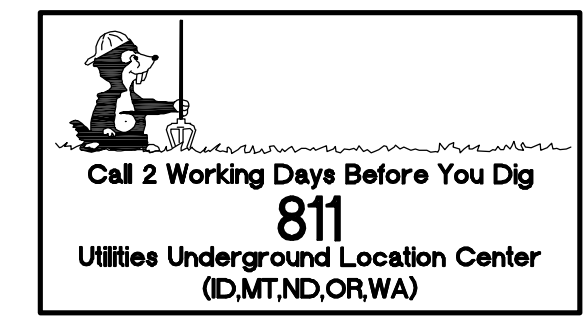


LORENZINI SFR

STORM DRAINAGE PROFILE
8427 SE 47TH STREET
MERCER ISLAND
WASHINGTON 98040
PARCEL NO. 7598100421

TODD SHERMAN
DESIGN BUILT HOMES

11400 SE 8TH STREET, SUITE 415
BELLEVUE, WASHINGTON 98004
206-909-8187

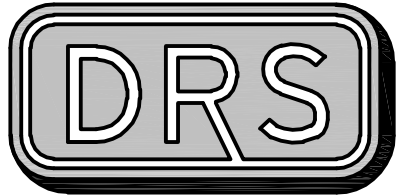


DATE	REVISION	REVIS. PER AGENCY COMMENTS	MAJ	MAJ
11-30-22				
03-23-23				

DRAFTED BY: JSE
DESIGNED BY: JSE
PROJECT ENGINEER: MAJ
DATE: 07.01.22
PROJECT NO.: 21071

DRAWING: C5
SHEET: 5 OF 6

LORENZINI SFR



D.R. STRONG CONSULTING ENGINEERS
ENGINEERS PLANNERS SURVEYORS

620 - 7th AVENUE KIRKLAND, WA 98033
O 425.827.3665 F 425.827.2423

LORENZINI SFR

NOTES & DETAILS
8427 SE 47TH STREET
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DETENTION TANK PUMP SYSTEM NOTES:

- THERE IS A TOTAL OF 12.39 FT. OF ELEVATION HEAD FROM THE PUMP TO DMH 3 AND 12.90 FT OF TDH THROUGH THE PIPE AND FITTINGS AT 20 GPM.
- PUMP LINE SHALL BE CLASS 200 PVC AND MEET THE REQUIREMENTS OF ASTM D2241 SDR-21.
- EACH PUMP SHALL PROVIDE 20 GPM @ 12.90 FT OF HEAD.
- PUMPS SHALL OPERATE IN AN "ON-DEMAND" CONFIGURATION, WITH EACH PUMP ALTERNATELY SELECTED BY THE CONTROL PANEL AS THE "LEAD PUMP" OR "LAG PUMP". CONTROLS FOR EACH PUMP SHALL INCLUDE: PUMP ON; PUMP OFF; HIGH WATER LEVEL ALARM.
- DUPLEX CONTROL PANEL SHALL HAVE AUDIO/VISUAL ALARM ON SEPARATE CIRCUITS AND BE MOUNTED IN DIRECT LINE OF SIGHT OF THE PUMP ACCESS LID.
- PROVIDE LIFT CHAIN OR RAIL SYSTEM FOR PUMP ACCESS.
- FLOATS/ PUMP CONTROL SWITCHES SHALL BE MOUNTED INDEPENDENT OF THE PUMP AND TRANSPORT LINES.
- THE STORMWATER PUMPING SYSTEM SHALL BE OWNED, OPERATED, MAINTAINED, REPAIRED, AND REPLACED (AS NEEDED) BY PROPERTY OWNER(S) SERVED BY SUCH SYSTEM.
- PROPERTY OWNER(S) SHALL BE RESPONSIBLE FOR ANY/ALL CLAIMS FOR INJURIES AND DAMAGE DUE TO THE OPERATION OR NON-OPERATION OF THE PUMP SYSTEM AND EMERGENCY OVERFLOW.
- IT IS REQUIRED THAT THE PUMP AND PUMP CONTROLS ARE RATED FOR CLASS 1 DIVISION 1 ENVIRONMENT (EXPLOSION PROOF).
- IT IS REQUIRED THAT AUTOMATIC EMERGENCY BACKUP POWER GENERATOR BE PROVIDED FOR PUMP AND ALARM CIRCUITS (BY OTHERS).
- IT IS HIGHLY RECOMMENDED THAT THE PROPERTY OWNER(S) CONTRACT WITH A PRIVATE SECURITY/ MONITORING SERVICE TO MONITOR AND TROUBLESHOOT THE PUMP SYSTEM IN THE EVENT OF A TOTAL SYSTEM FAILURE (E.G., POWER OUTAGE AND GENERATOR FAILURE).

RESTRICTOR CATCH BASIN NOTES:

- USE A MINIMUM OF A 72 IN. DIAM. TYPE 2 CATCH BASIN WHEN CONNECTING PIPE MATERIAL IS CONCRETE OR 6" A 54 IN. DIAM. TYPE 2 CATCH BASIN MAY BE USED FOR OTHER CIRCULAR SINGLE WALL PIPE (SUCH AS CORRUGATED ALUMINUM PIPE).
- OUTLET PIPE: MIN. 6 INCH.
- METAL PARTS: CORROSION RESISTANT NON-GALVANIZED PARTS PREFERRED. GALVANIZED PIPE PARTS TO HAVE ASPHALT TREATMENT 1.
- FRAME AND LADDER OR STEPS OFFSET SO:
 - CLEANOUT GATE IS VISIBLE FROM TOP;
 - CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE;
 - FRAME IS CLEAR OF CURB;
- IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE, OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4 IN.
- PROVIDE AT LEAST ONE 3 X 0.090 GAUGE SUPPORT BRACKET ANCHORED TO CONCRETE WALL WITH 5/8 IN. STAINLESS STEEL EXPANSION BOLTS OR EMBEDDED SUPPORTS 2 IN. INTO CATCH BASIN WALL (MAXIMUM 3"-0" VERTICAL SPACING).
- THE SHEAR GATE SHALL BE MADE OF ALUMINUM ALLOY IN ACCORDANCE WITH ASTM B 26M AND ASTM B 275, DESIGNATION ZG32A; OR CAST IRON IN ACCORDANCE WITH ASTM A 48, CLASS 30B. THE LIFT HANDLE SHALL BE MADE OF SIMILAR METAL TO THE GATE. (TO PREVENT GALVANIC CORROSION). IT MAY BE SOLID ROD OR HOLLOW TUBING, WITH ADJUSTABLE HOOK AS REQUIRED. A NEOPRENE RUBBER GASKET IS REQUIRED BETWEEN THE RISER MOUNTING FLANGE AND THE GATE FLANGE. INSTALL THE GATE SO THAT THE LEVEL-LINE MARK IS LEVEL WHEN THE GATE IS CLOSED. THE MARKING SURFACES OF THE LID AND THE BODY SHALL BE MACHINED FOR PROPER FIT. ALL SHEAR GATE BOLTS SHALL BE STAINLESS STEEL.
- THE UPPER CATCH BASIN IS REQUIRED IF THE LENGTH OF THE DETENTION PIPE IS GREATER THAN 50 FEET.

PUMP SYSTEM OPERATION AND MAINTENANCE:

SYSTEM OPERATION:
IN A PUMP-TO-GRAVITY STORMWATER SYSTEM, A PUMP IS USED TO CONVEY STORMWATER COLLECTED IN A PUMP CHAMBER (WET WELL) TO THE APPROVED DISCHARGE LOCATION. THE WET WELL CONTAINS A PUMP OPERATING IN AN "ON-DEMAND" CONFIGURATION. THIS SYSTEM CONTAINS MINIMAL EMERGENCY STORAGE IN THE EVENT OF A SYSTEM FAILURE. A 2.5-INCH DIAMETER FORCE MAIN FROM THE WET WELL DISCHARGES TO A DRAIN MANHOLE LOCATED AT THE NORTHERN PROPERTY LINE OF THE LOT. THE DISCHARGE PIPE IN THE MANHOLE INCLUDES A DOWN ELBOW TO PROVIDE ENERGY DISSIPATION.

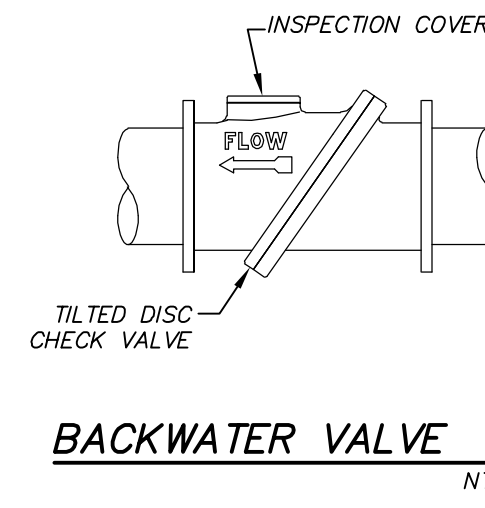
CONTROLS FOR THE PUMP INCLUDE: PUMP ON; PUMP OFF; AND HIGH WATER LEVEL ALARM. WHEN STORMWATER IN THE WET WELL RISES TO THE LEVEL OF THE "ON" FLOAT SETTING, THE PUMP IS ACTIVATED AND PUMPS THE LEVEL OF THE STORMWATER DOWN UNTIL IT REACHES THE "OFF" FLOAT SETTING. IF THE WATER LEVEL EXCEEDS THE "ALARM" LEVEL, A RED LIGHT AND AN AUDIBLE BUZZER WILL TURN ON AT THE CONTROL PANEL. PRESSING THE "SILENCE" BUTTON ON THE CONTROL PANEL WILL ONLY SILENCE THE AUDIBLE ALARM AND IS NOT A SOLUTION TO THE ALARM CONDITION. THE ALARM LIGHT WILL REMAIN LIT UNTIL THE ALARM CONDITION HAS BEEN RESOLVED. WE RECOMMEND THAT THE CONTROL PANEL BE EQUIPPED FOR REMOTE MONITORING BY A PRIVATE O&M FIRM TO ENSURE RESOLUTION OF ALARM CONDITIONS IN A TIMELY MANNER. CODE REQUIRES THAT THE PUMP AND ALARM BE ON DIFFERENT CIRCUITS SO THAT IF THE PUMP BREAKER TRIPS, THE ALARM CAN STILL OPERATE.

RECOMMENDED MAINTENANCE:

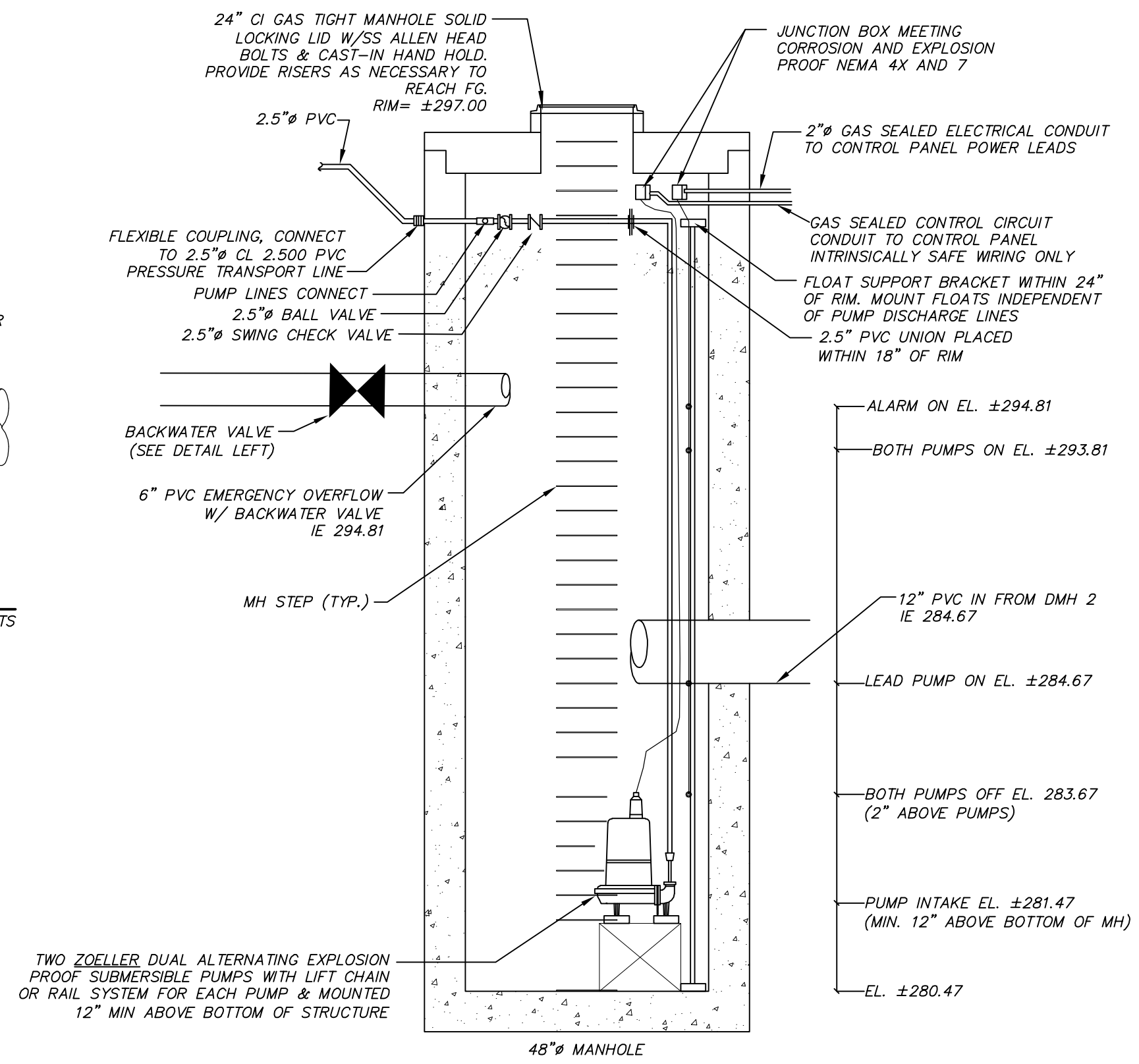
THE PUMP SHOULD BE SUBMERGED DURING NORMAL OPERATION BECAUSE HEAT GENERATED BY THE PUMP IS DISSIPATED IN THE SURROUNDING WATER. OTHERWISE, THE PUMP COULD BURN OUT IF ALLOWED TO OPERATE IN A NON-SUBMERGED CONDITION. CHECK TO SEE THAT THE FLOAT SWITCHES ARE CLEAN AND FREE IN THEIR MOVEMENTS, AND TEST THE HIGH ALARM FLOAT BY LIFTING IT, OR BY PUSHING DOWN ON THE LOW ALARM FLOAT (IF PRESENT). IF THE ALARM DOES NOT SOUND AND THE CIRCUIT BREAKER IS NOT TRIPPED, CONTACT A QUALIFIED ELECTRICIAN FOR SERVICING. PERFORM FLOAT TESTING QUARTERLY DURING THE FIRST YEAR OF OPERATION, THEN AT SEMI-ANNUALLY THEREAFTER.

STANDARD DETENTION SYSTEM NOTES:

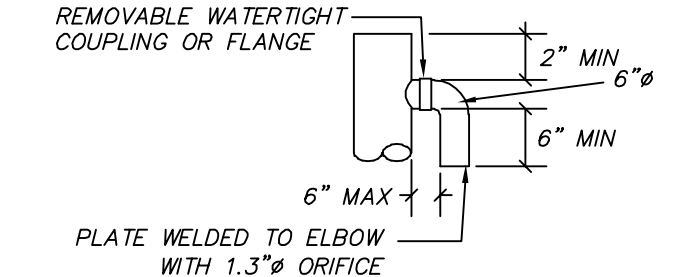
- CALL DEVELOPMENT SERVICES (206-275-7805) 24 HOURS IN ADVANCE FOR A DETENTION SYSTEM INSPECTION BEFORE BACKFILLING AND FOR FINAL INSPECTIONS.
- RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF DRAINAGE SYSTEMS ON PRIVATE PROPERTY IS RESPONSIBILITY OF THE PROPERTY OWNER. MATERIAL ACCUMULATED IN THE STORAGE PIPE MUST BE REMOVED FROM CATCH BASINS TO ALLOW PROPER OPERATION. THE OUTLET CONTROL ORIFICE MUST BE KEPT OPEN AT ALL TIMES.
- PIPE MATERIAL, JOINT, AND PROTECTIVE TREATMENT SHALL BE IN ACCORDANCE WITH SECTION 7.04 AND 9.05 OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, LATEST VERSION. SUCH MATERIALS INCLUDE THE FOLLOWING: LINED CORRUGATED POLYETHYLENE PIPE (LCP), ALUMINIZED TYPE 2 CORRUGATED STEEL PIPE AND PIPE ARCH (MEETS AASHTO DESIGNATIONS M274 AND M36). CORRUGATED OR SPIRAL RIB ALUMINUM PIPE, OR REINFORCED CONCRETE PIPE, CORRUGATED STEEL PIPE IS NOT ALLOWED.
- FOOTING DRAINS SHALL NOT BE CONNECTED TO THE DETENTION SYSTEM.



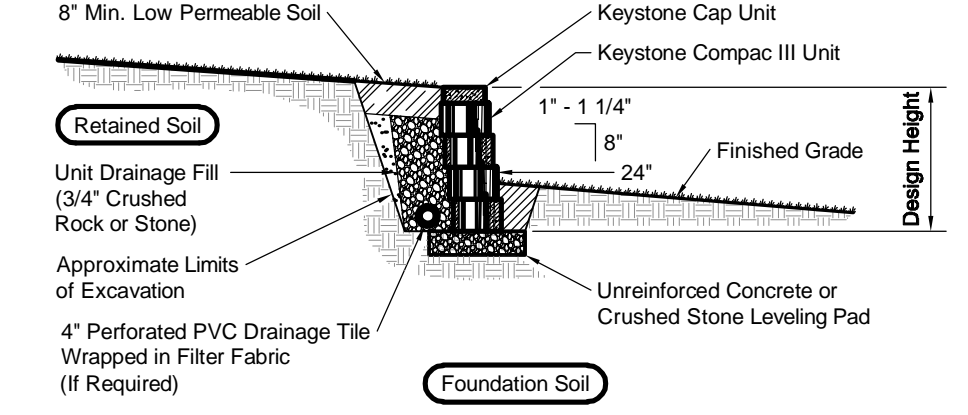
BACKWATER VALVE
NTS



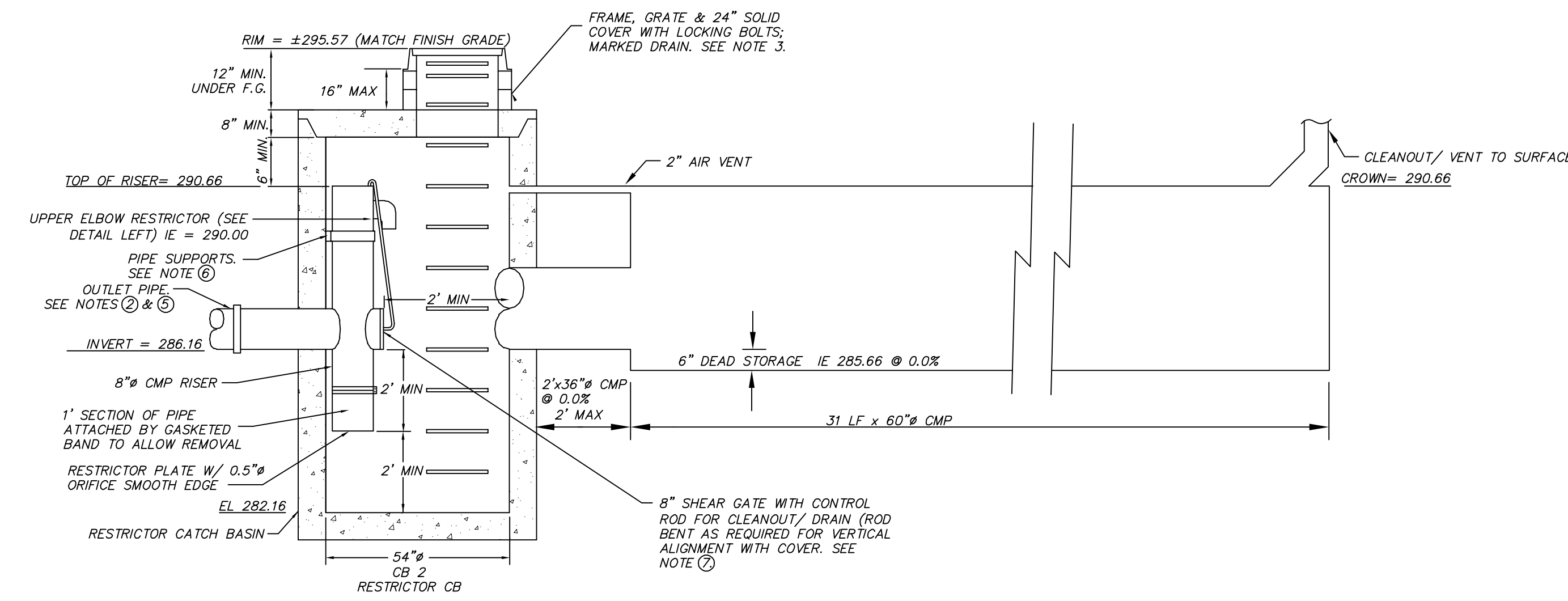
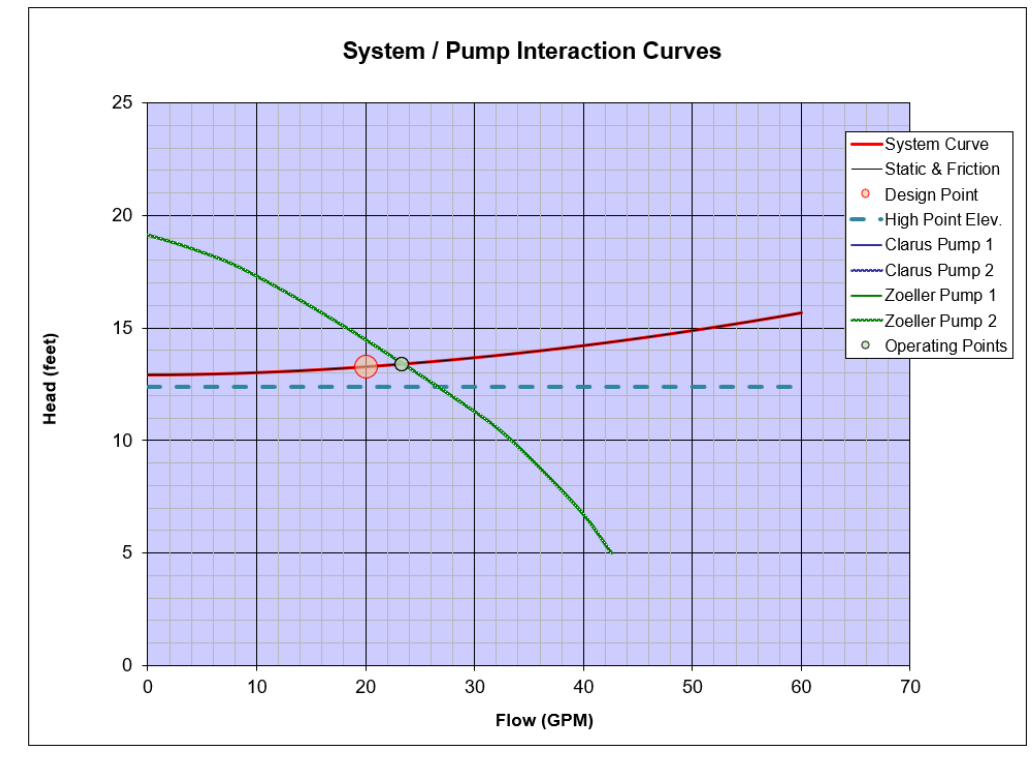
WET WELL
NTS



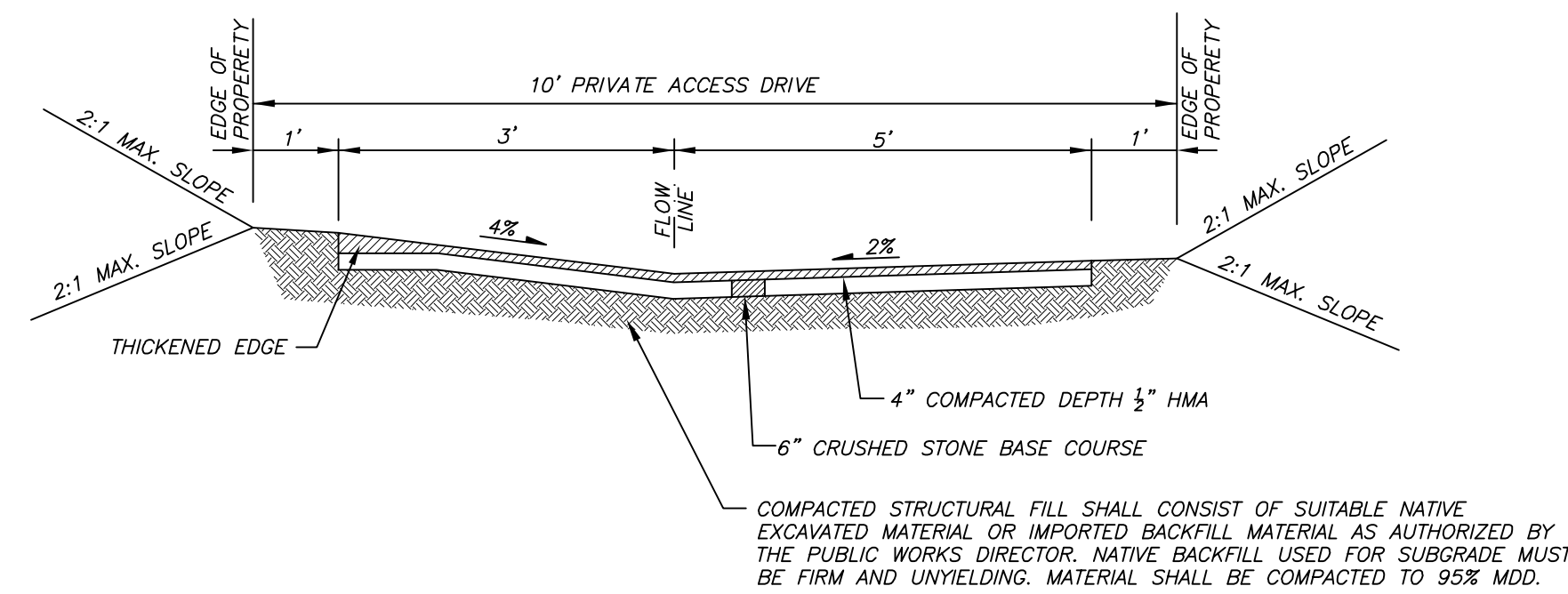
ELBOW RESTRICTOR DETAIL
NTS



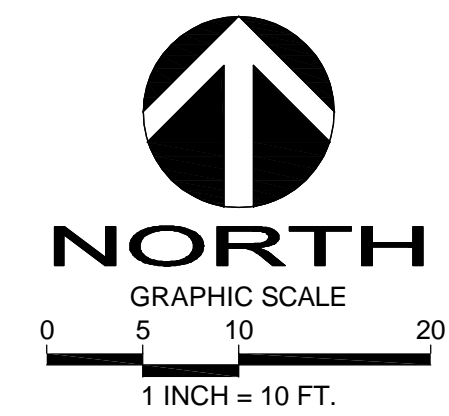
TYPICAL KEYSTONE GRAVITY WALL SECTION
NTS



DETENTION TANK & RESTRICTOR CB
NTS



PRIVATE ACCESS DRIVE CROSS-SECTION
NTS



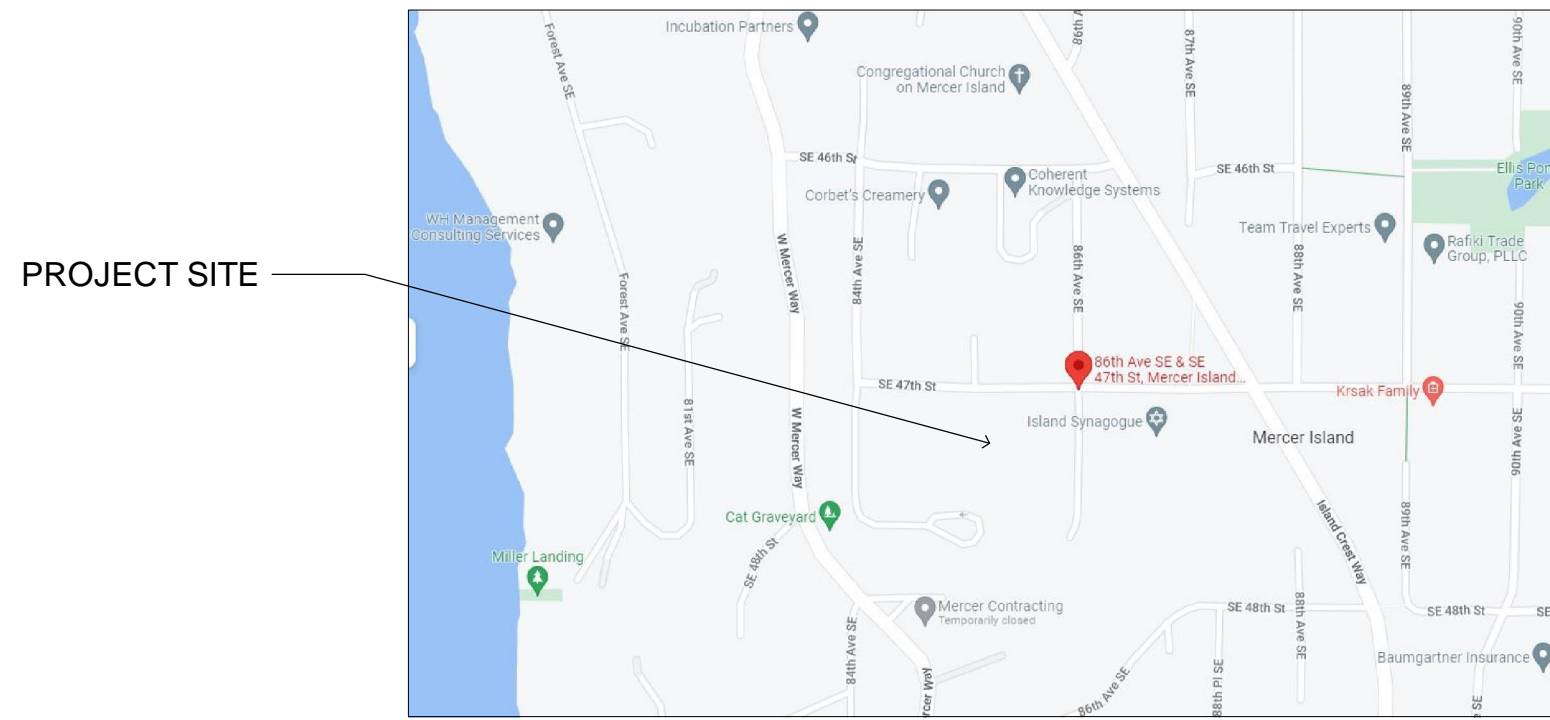
811
Call 2 Working Days Before You Dig
Utilities Underground Location Center
(D.M.T.N.D.OR.WA)

DATE	REVISION	REVISED BY	AGENCY COMMENTS
11-30-22	1	MAJ	
03-29-23	2	MAJ	

DRAFTED BY: JSE
DESIGNED BY: JSE
PROJECT ENGINEER: MAJ
DATE: 07.01.22
PROJECT NO.: 21071

DRAWING: C6
SHEET: 6 OF 6

VICINITY MAP



CODE ALTERNATIVE (FIRE REQUIREMENTS)

1. NFPA 13R Fire Sprinkler System (separate permit required)
2. NFPA 72 Monitored Fire Alarm "Chapter 29 and CoMI Standards" (Separate Permit Required)
3. Type X 1hr Rated On All Ceilings
4. Solid Core Doors

HARDSCAPE

A. GROSS LOT AREA:	11,523 SF
B. NET LOT AREA:	11,523 SF
C. AREA BORROWED FROM LOT COVERAGE:	0 SF
D. ALLOWED HARDSCAPE AREA+9% OF LOT AREA + C:	9% OF LOT
E. ALLOWED HARDSCAPE AREA:	1,037.07 SF
F. TOTAL EXISTING HARDSCAPE AREA:	
1. UNCOVERED DECKS	0 SF
2. UNCOVERED PATIOS	0 SF
3. WALKWAYS	0 SF
4. STAIRS	0 SF
5. ROCKERIS AND RETAINING WALLS	31 SF
6. OTHER	0 SF
7. TOTAL EXISTING HARDSCAPE (F1+F2+F3+F4+F5+F6)	31 SF
G. (TOTAL HARDSCAPE REMOVED):	0 SF
H. TOTAL NEW HARDSCAPE AREA:	
1. UNCOVERED DECKS	0 SF
2. UNCOVERED PATIOS	0 SF
3. WALKWAYS	0 SF
4. STAIRS	0 SF
5.ROCKERIES AND RETAINING WALLS	274 SF
6.OTHER	0 SF
7.TOTAL NEW HARDSCAPE (H1+H2+H3+H4+H5+6)	274 SF
I. TOTAL PROJECT HARDSCAPE AREA = (F7 - G) + 7	305 SF
J. TOTAL PROJECT HARDSCAPE AREA = (I/B)X100	2.6%

LOT COV'G

LOT AREA:	11,523 SF
GROSS FLOOR AREA (INCL ROOF):	2,783 SF
VEHICULAR USE AREA:	1,821 SF
TOTAL LOT COVERAGE AREA:	4,604 SF
% OF LOT AREA:	=39.95%
ALLOWED LOT COV'G. AREA:	4,609 SF
ALLOWED % OF LOT AREA:	=40.00%

GROSS FLOOR AREA

LOT AREA:	11,523 SF
UPPER FLOOR AREA (LESS STAIR):	2,187 SF
MAIN FLOOR AREA (INCL GARAGE):	2,378 SF
TOTAL GROSS FLOOR AREA	4,565 SF
% OF LOT AREA:	=39.62%
ALLOWED LOT AREA:	4,609 SF
ALLOWED % OF LOT AREA:	=40.00%

FIRE AREA SUMMARY

UPPER FLOOR AREA:	2,109 SF
MAIN FLOOR AREA:	1,868 SF
GARAGE FLOOR AREA	510 SF
UNHEARTED STORAGE AREA:	0 S.F.
COVERED AREA:	272 SF
TOTAL FIRE AREA:	4,759 S.F.

PARCEL NUMBER

759810-0421

SITE ADDRESS

84XX SE 47TH STREET
LARENZINI BLA LOT
MERCER ISLAND, WA 98040

ZONING

R-9.6
MIN FRONT SETBACK: 20'
MIN REAR SETBACK: 25'
MIN SIDE SETBACK:
SUM OF 15' & NO LESS THAN 5'
MAX BLDG HEIGHT: 30'
MAX GROSS FLOOR AREA: 45%

LOT SLOPE

HIGHEST ELEV POINT OF LOT:	301.25
LOWEST ELEV POINT OF LOT:	286.75
ELEVATION DIFFERENCE:	14.50
HORIZONTAL DISTANCE BTWN HIGH AND LOW POINTS:	152.2'
LOT SLOPE:	9.52%

OWNER

DESIGN BUILT HOMES
TODD SHERMAN
1412-112TH AVE NE, SUITE 104
BELLEVUE, WA 98004
PH: 206 909 8187
EM: TODD@LUXURYDBH.COM

ARCHITECT

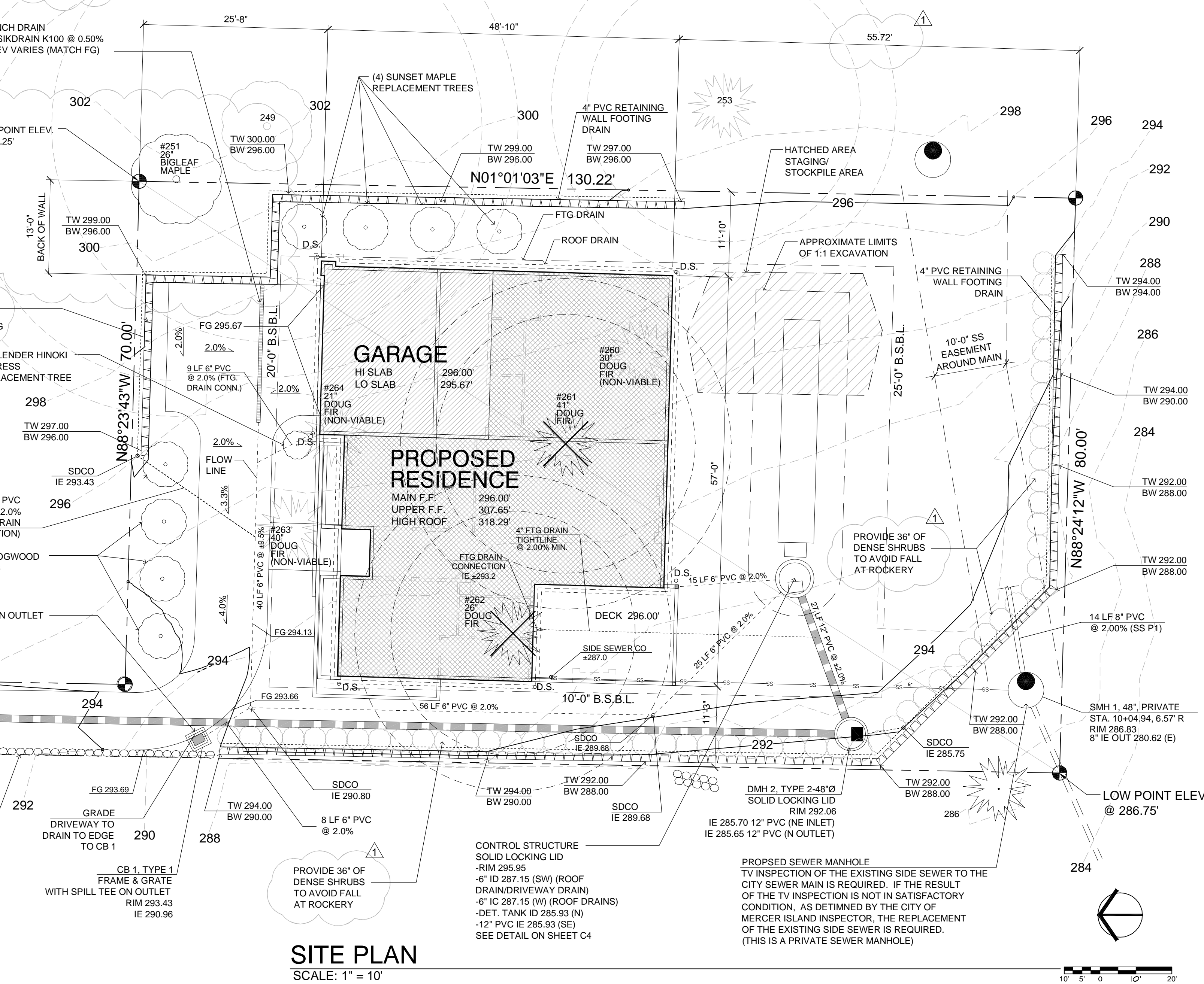
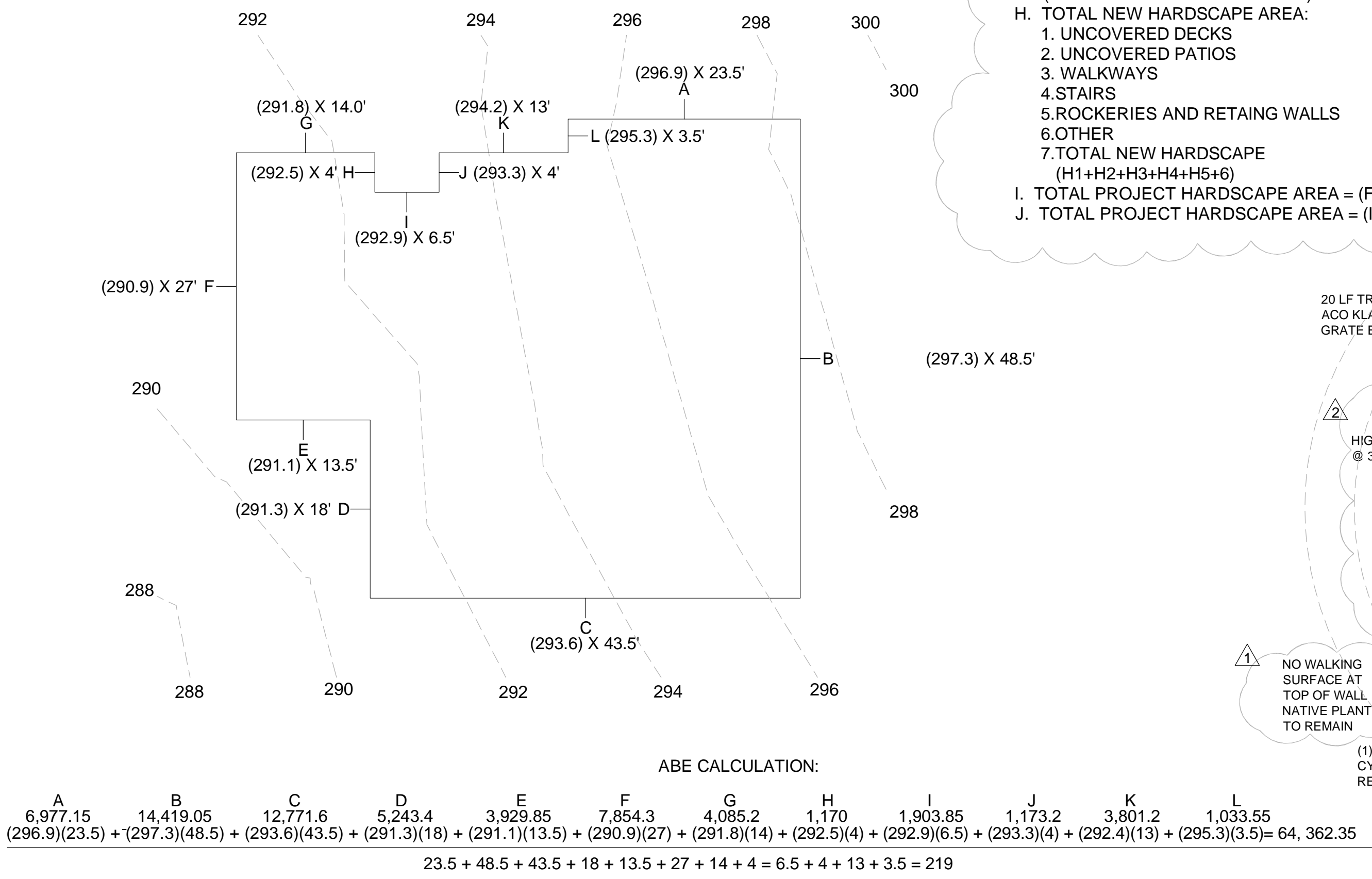
MCCULLOUGH ARCHITECTS
PHIL MCCULLOUGH
5601 6TH AVESOUTH, SUITE 371
SEATTLE, WA 98108
PH: 206 443 1181
EM: PHIL@MCCULLOUGHARCHITECTS.COM

STRUCT ENGINEER

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7720 TRADE STREET, SUITE 350
SAN DIEGO, CA 92121
PH: 619 650 0010
EM: JLEONE@MULHERNKULP.COM

CIVIL ENGINEER

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620 7TH AVE
KIRKLAND, WA 98033
PH: 425 827 3063
EM: MAHER.JOUDI@DRSTRONG.COM



SITE PLAN
SCALE: 1" = 10'

Revisions
11.28.2022 1
03.28.2023 2

07.11.2022
xx-xxx
0000
BAK
APM

Date:
Job No:
Project No:
Drawn:
Approved:

Owner
Design Built Homes

UNPUBLISHED WORK
2021 © McCullough Architects

5601 6th Ave South
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Seattle, WA, 98108
206.443.1181
mccullougharchitects.com

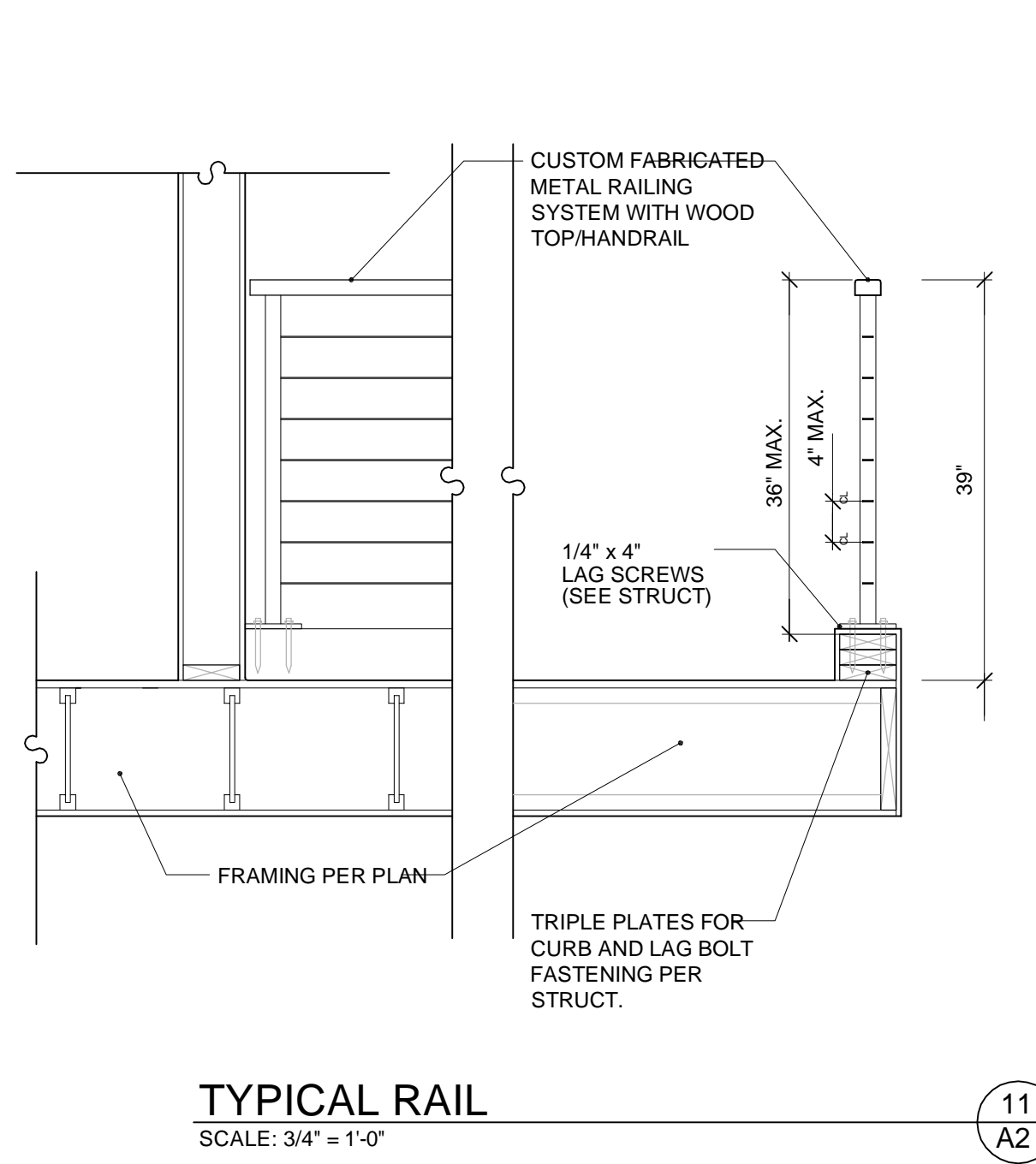
Permit Documents

8427 SE 47th St
Lorenzini BLA Lot

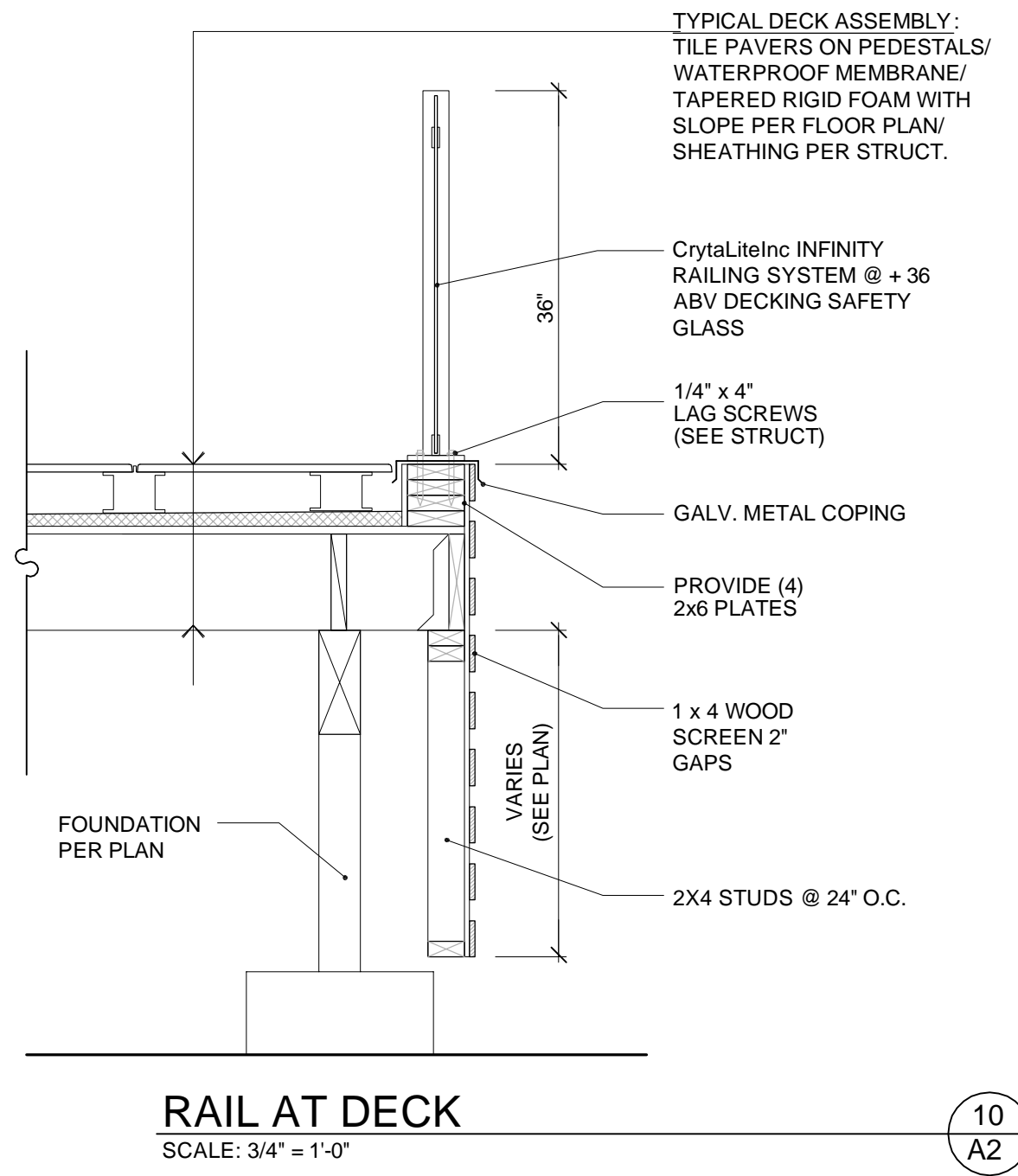
Mercer Island, Washington

Site Plan

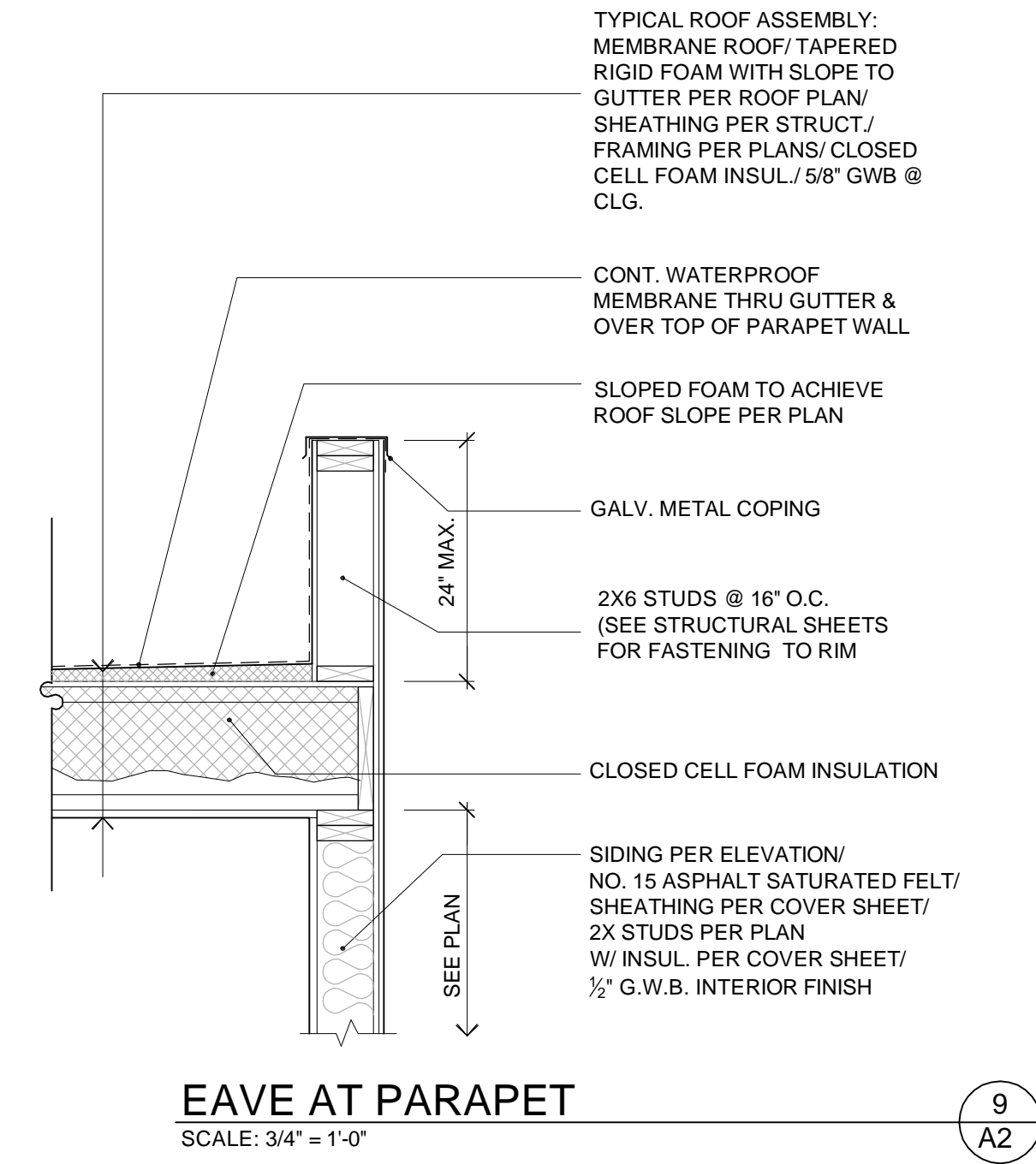
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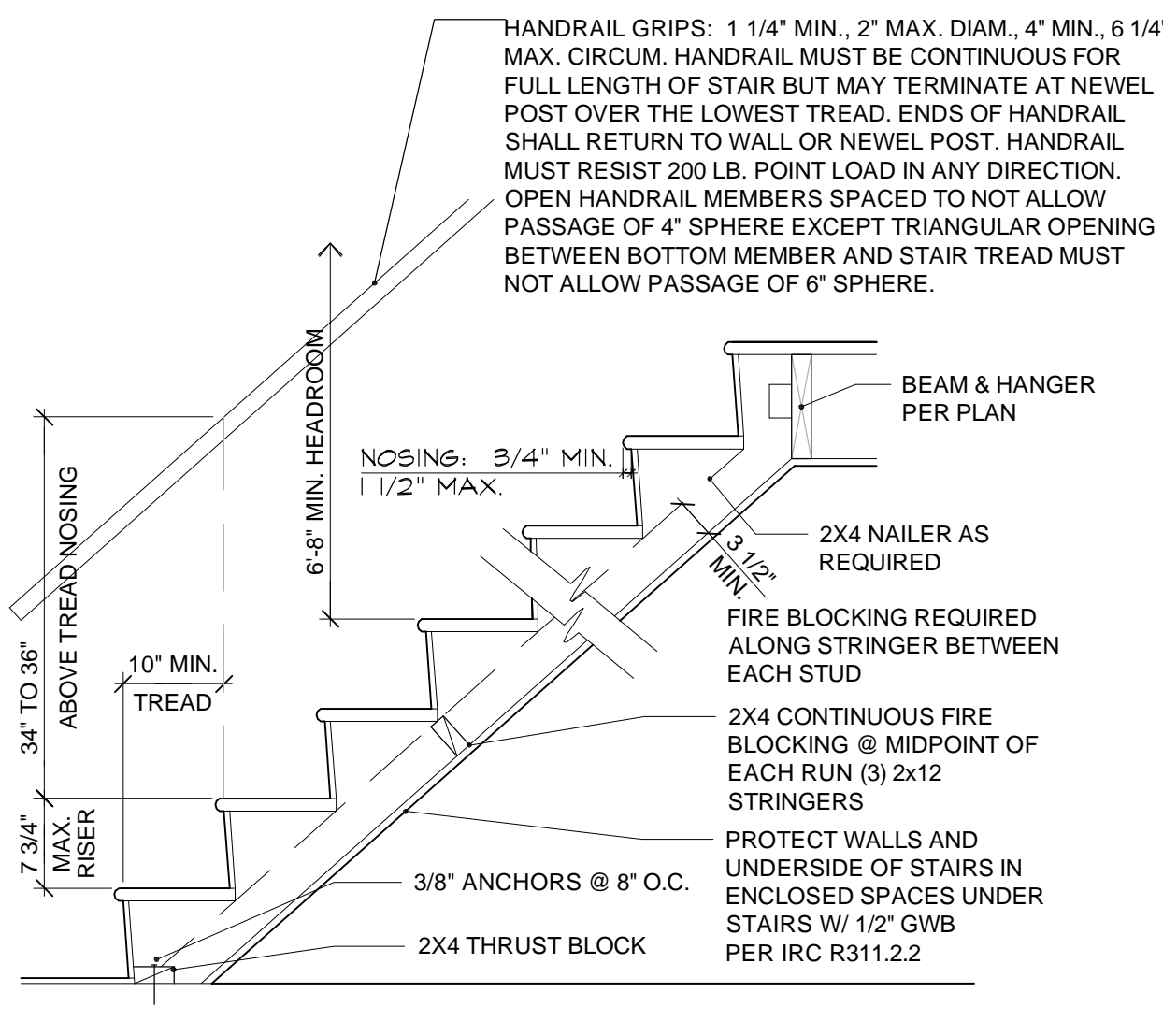
TYPICAL RAIL
SCALE: 3/4" = 1'-0"
11 A2



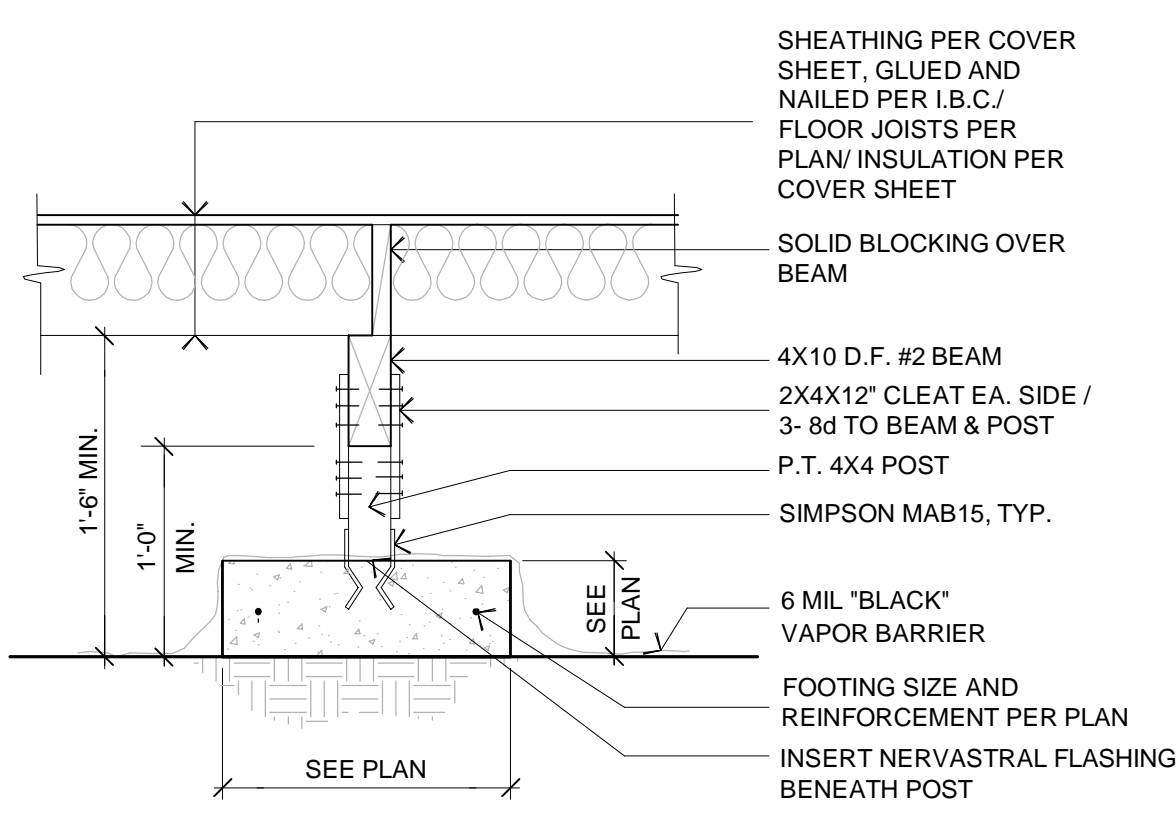
RAIL AT DECK
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10 A2



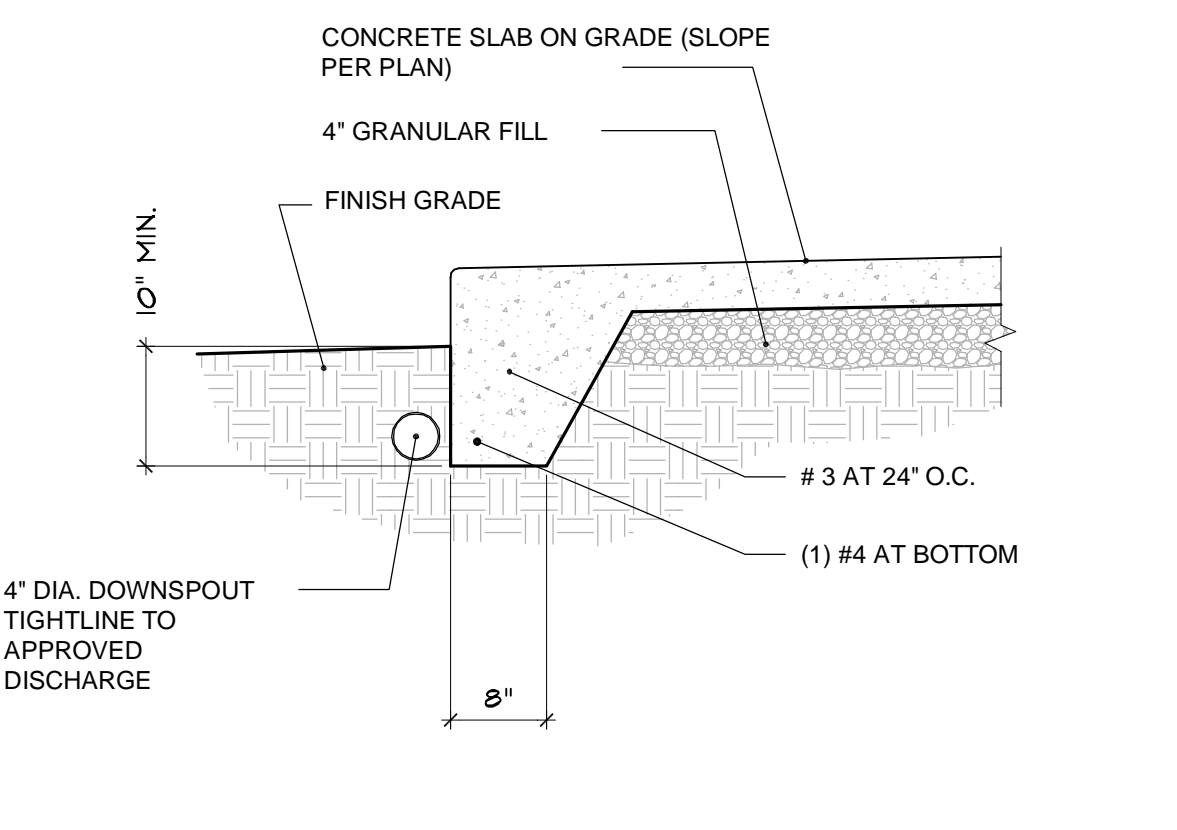
EAVE AT PARAPET
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9 A2



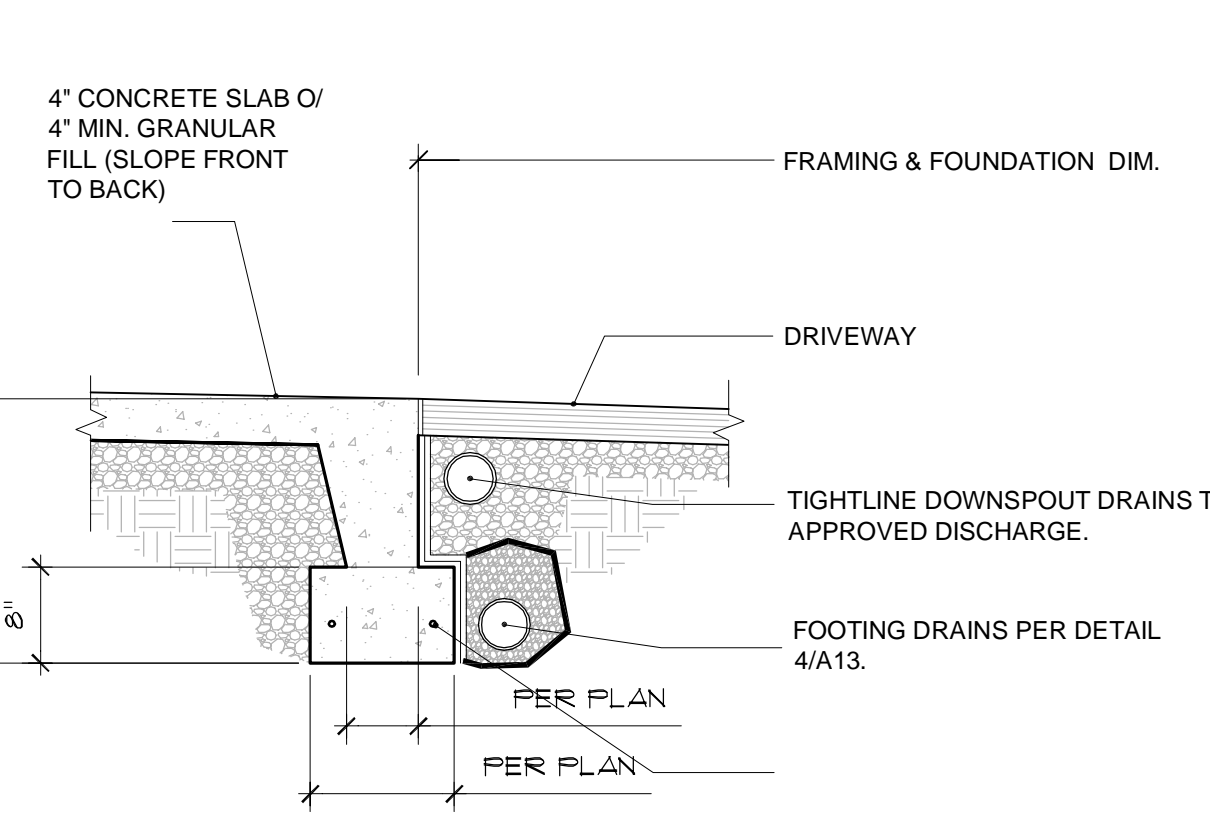
STAIR SECTION
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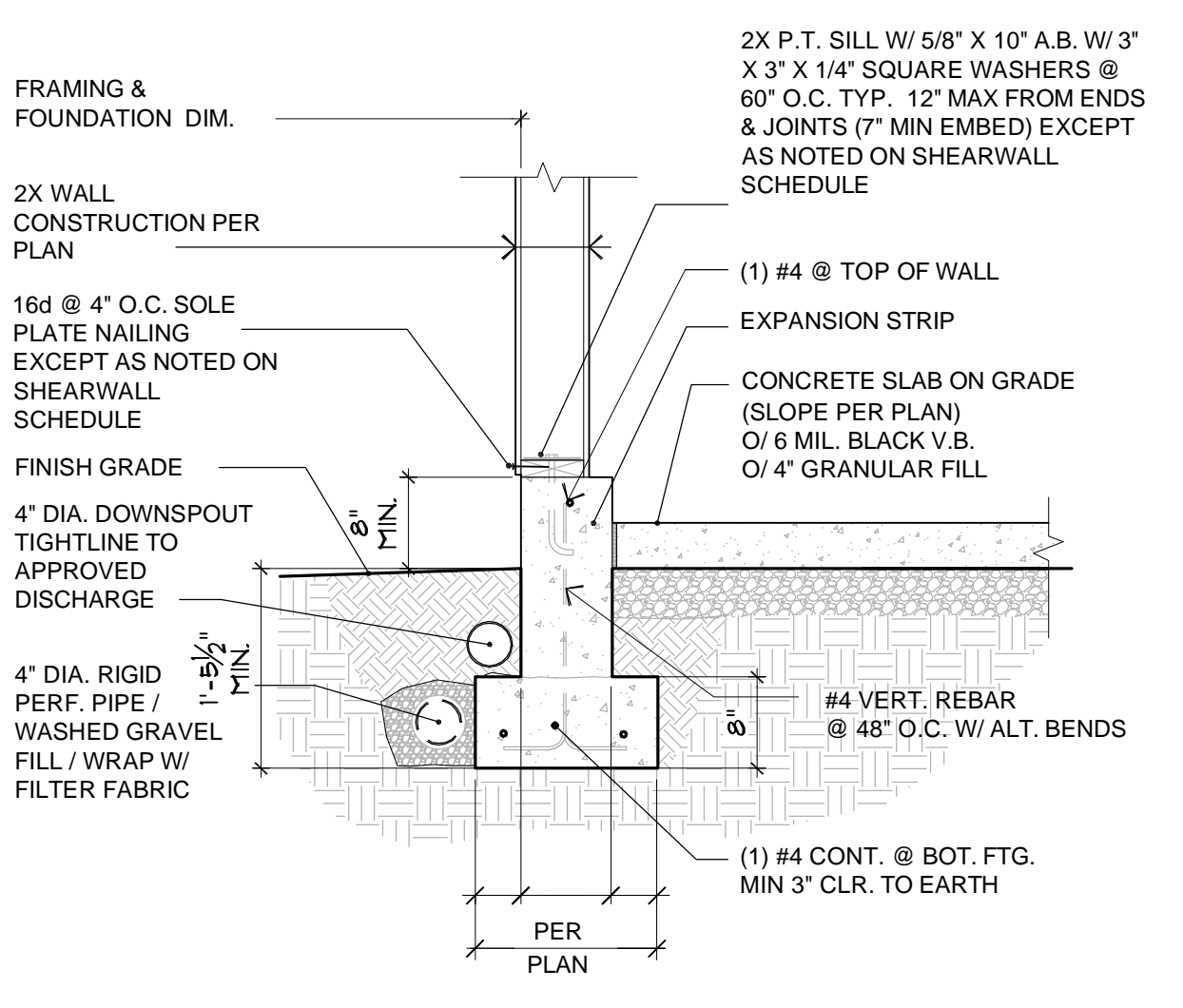
ISOLATED PAD FOOTING
SCALE: 3/4" = 1'-0"
7 A2



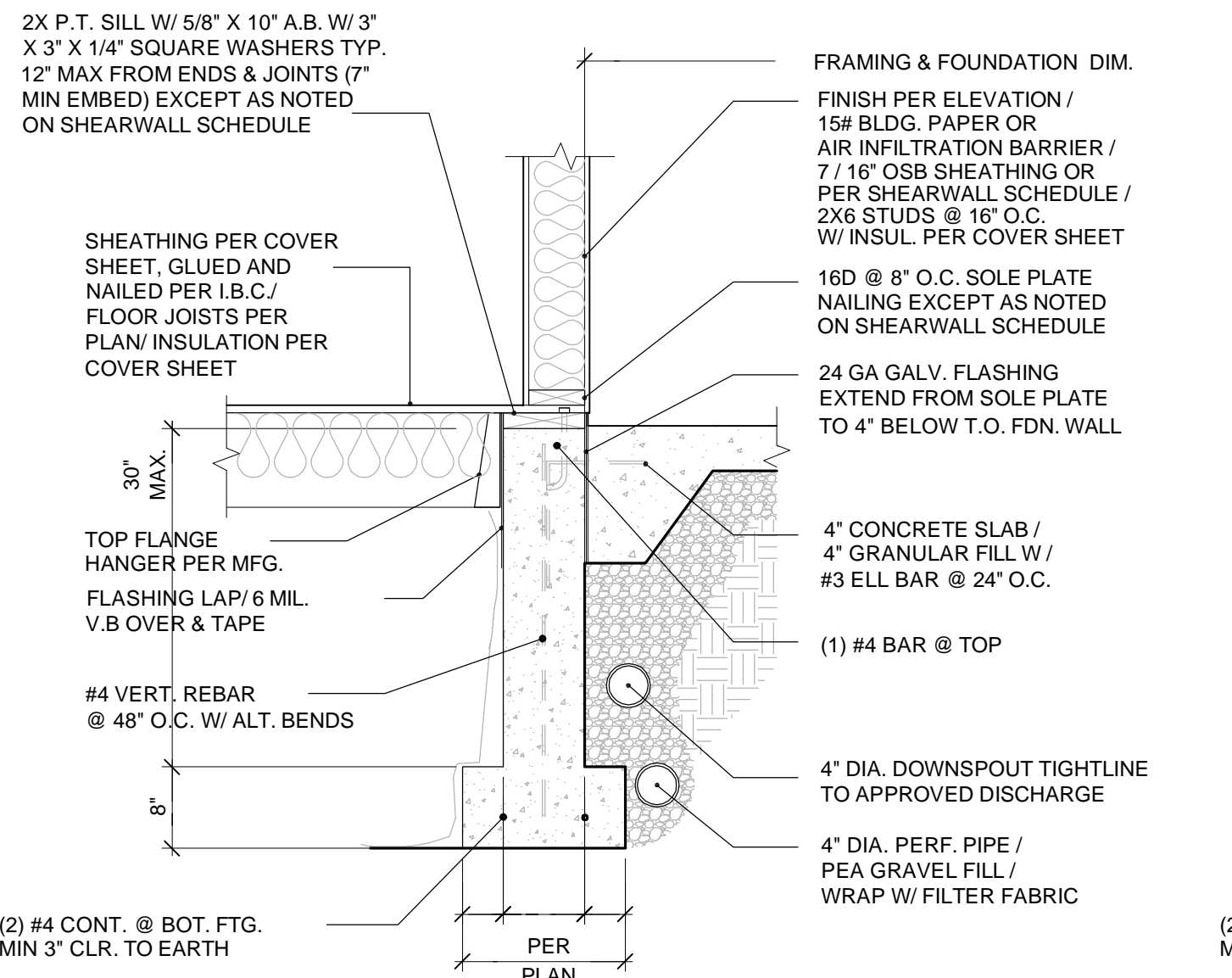
PORCH SLAB EDGE
SCALE: 3/4" = 1'-0"
6 A2



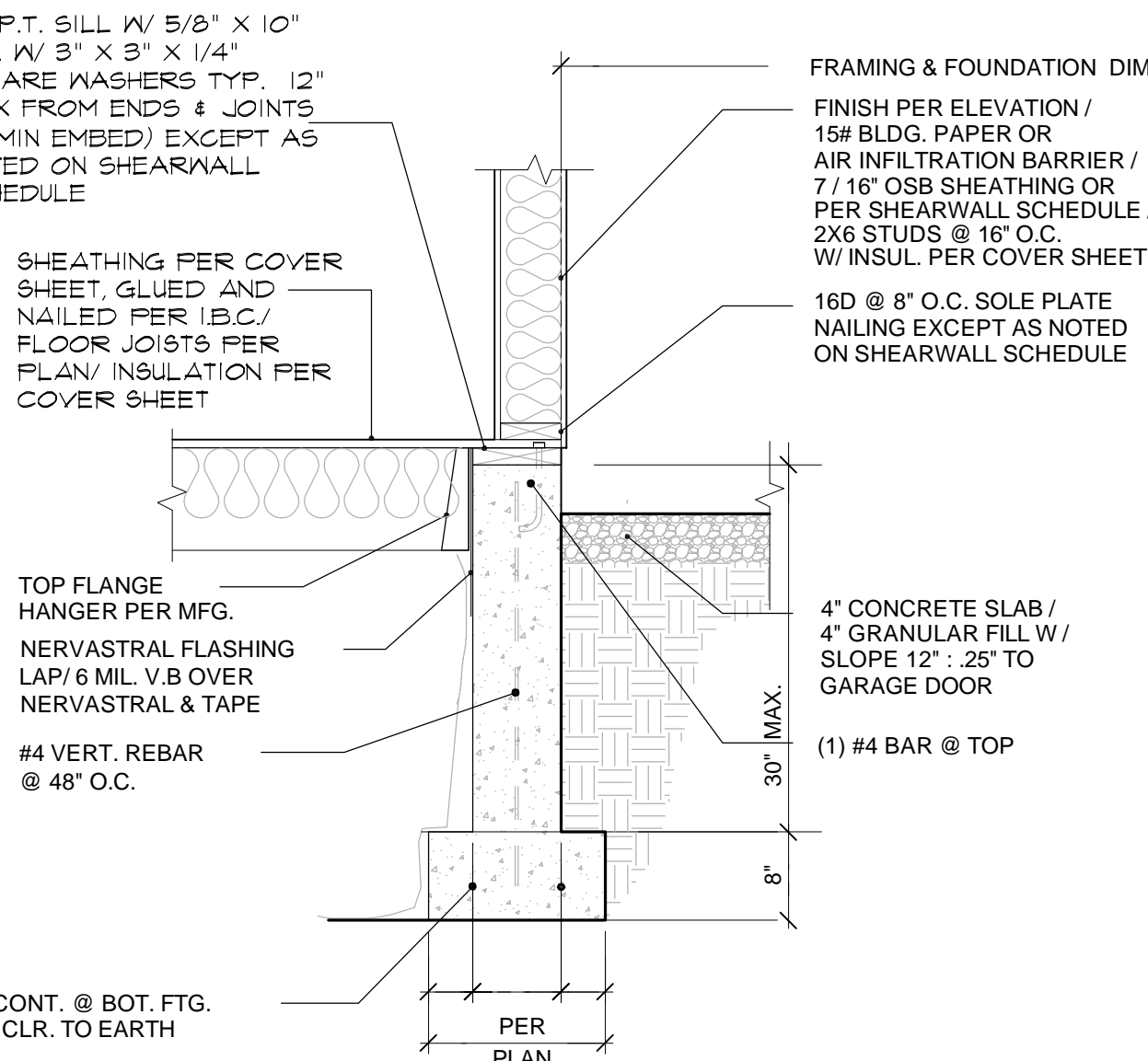
GARAGE SLAB @ DOOR
SCALE: 3/4" = 1'-0"
5 A2



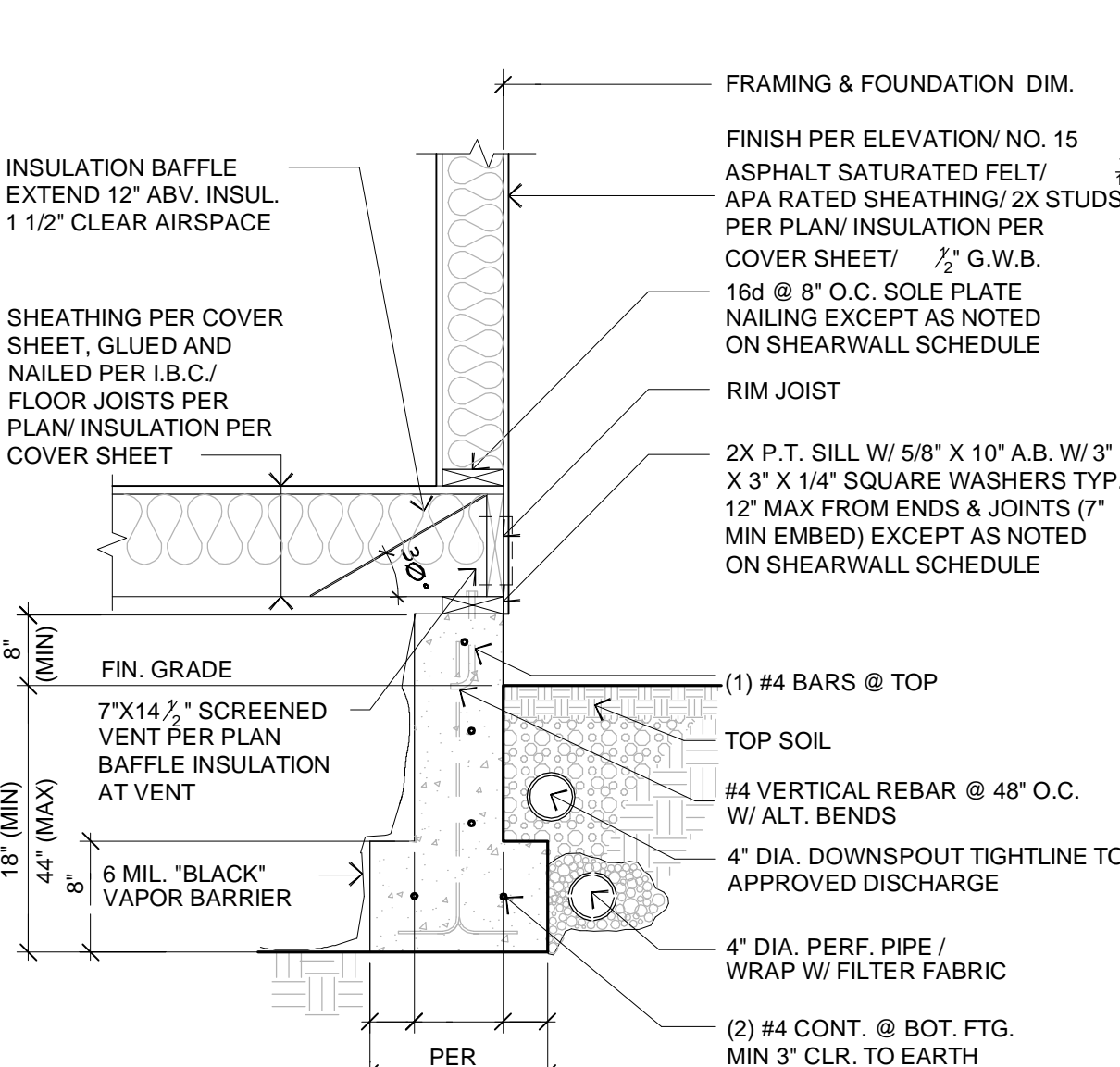
GARAGE FNDN. & SLAB
SCALE: 3/4" = 1'-0"
4 A2



PORCH / PATIO / HOUSE FNDN.
SCALE: 3/4" = 1'-0"
3 A2



HOUSE / GARAGE FNDN.
SCALE: 3/4" = 1'-0"
2 A2

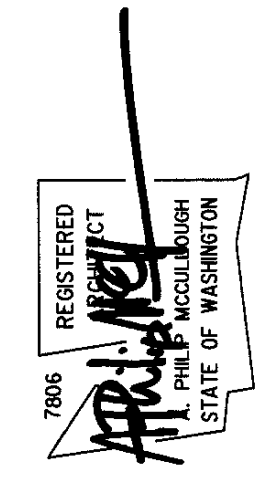


STEM WALL FNDN.
SCALE: 3/4" = 1'-0"
1 A2

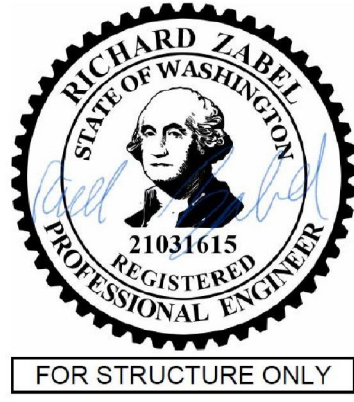
Revisions
11.28.2022 1
Comment

Date: 07.11.2022
Job No: xx-xxx
Project No: 00000
Drawn: BAK
Approved: APM

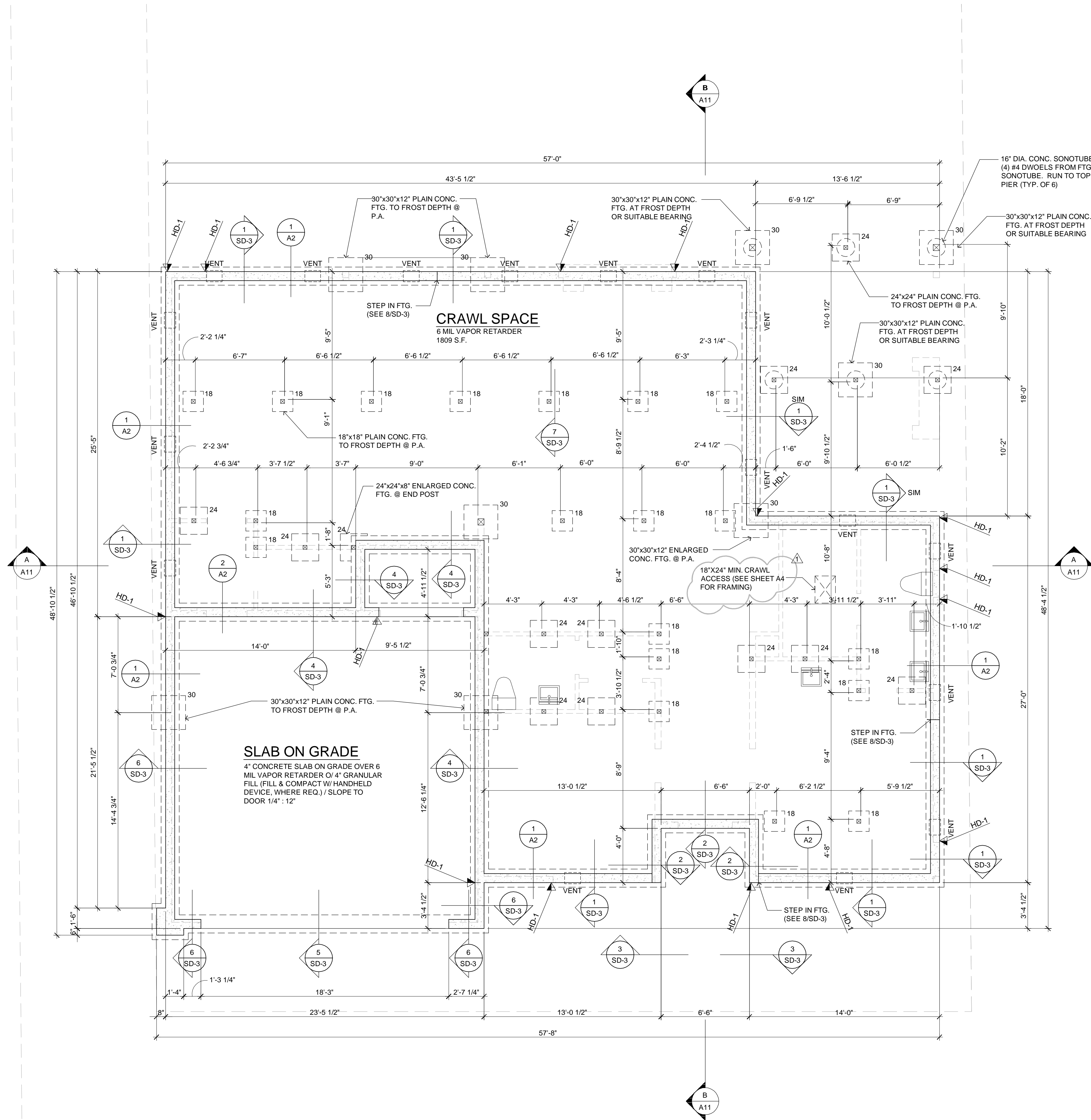
Owner
Design Built Homes



8427 SE 47th St
Lorenzini BLA Lot
Mercer Island, Washington

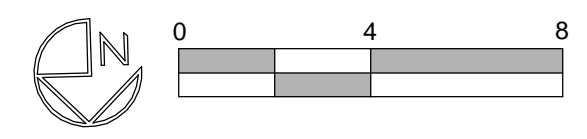


FOR STRUCTURE ONLY



FOUNDATION PLAN

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



- GENERAL NOTES:**
- 8" MIN. CLEARANCE BETWEEN EXTERIOR GRADE & UNPROTECTED WOOD.
 - ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED.
 - ALL DIMENSION LINES ARE TO FACE OF FRAMING OR CONCRETE, U.N.O.
 - SEE FNDN DETAILS FOR LOCATION & SPACING OF ANCHOR BOLTS.
 - INSTALL ALL HOLDDOWNS AND HARDWARE PRIOR TO BACKFILLING.
 - FOUNDATION DESIGN IS BASED ON AVERAGE BEARING CAPACITY OF 2000 PSF. REFER TO SOILS REPORT AS SPECIFIED IN GENERAL STRUCTURAL NOTES SHEET S1.0 FOR ADDITIONAL FOUNDATION DESIGN INFORMATION.
 - PROVIDE 18"x24" MIN. CRAWLSPACE ACCESS WEATHERSTRIP AND INSULATE PER WSEC R402.2.4.

- 18 18" SQ. X 8" THICK FTG. W/ (2) #4 EA. WAY BOT.
- 24 24" SQ. X 8" THICK FTG. W/ (3) #4 EA. WAY BOT.
- 30 30" SQ. X 12" THICK FTG. W/ (4) #4 EA. WAY BOT.
- ⊠ TYPICAL POST IS HF#2 4X4, U.N.O.

CRAWLSPACE VENTILATION:
I.B.C. Sec. R408.1

UNDER-FLOOR AREAS SHALL HAVE A NET AREA OF NOT LESS THAN 1 SQ. FT. OF VENTILATION FOR EACH 150 SQ. FT. OF UNDER-FLOOR AREA. THE UNDER FLOOR AREA = 1,809 S.F. / 150 = 12.06 S.F. OF REQUIRED VENTING AREA. USING 7'X14" SCREENED VENTS PROVIDES 0.75 S.F. OF VENTING FOR EACH VENT. 12.06 S.F. / 0.75 S.F. = 16.08. THE OPENINGS SHALL BE COVERED WITH CORROSION-RESISTANT METAL MESH WITH OPENINGS OF 1/4" IN DIMENSION. (17) 7' X 14" VENTS REQUIRED.

PLAN NOTES:

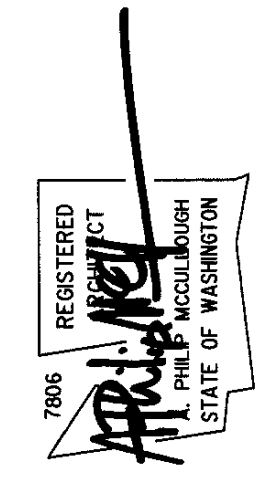
- BOTTOM OF ALL FOOTINGS SHALL BE 18" MINIMUM BELOW LOWEST ADJACENT GRADE, UNO.
- SLAB ON GRADE SHALL BE 4" MINIMUM THICKNESS. REINFORCE WITH 6X6 W1.4XW1.4 W/M CENTERED IN SLAB. PROVIDE VAPOR BARRIER BELOW SLAB OVER 4" MINIMUM FREE DRAINING GRAVEL OVER FIRM NATIVE SOILS OR STRUCTURAL FILL PER SOILS ENGINEER.
- REFER TO SHEET S3.0 FOR TYPICAL FOUNDATION AND CONCRETE DETAILS.
- REFER TO GENERAL STRUCTURAL NOTES SHEET S1.0 FOR ADDITIONAL REQUIREMENTS.
- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.

TYPICAL CRAWLSPACE NOTES:

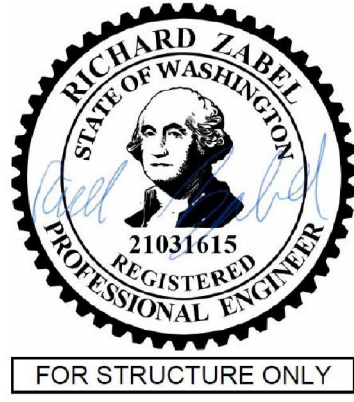
4x4 P.T. POST w/ 2x4 CLEATS EA. SIDE + (2) A35 CLIPS OON EA. SIDE @ BASE OF POST w/ 0.131"x1 1/2" LONG REDHEAD NAILS (4'-0" MAX. POST HEIGHT) ON ASPHALT SHINGLE ON 18"x18"x18" PLAIN CONC. FTG. (TYP. U.N.O.)

Revisions	Comment
11.28.2022 1	

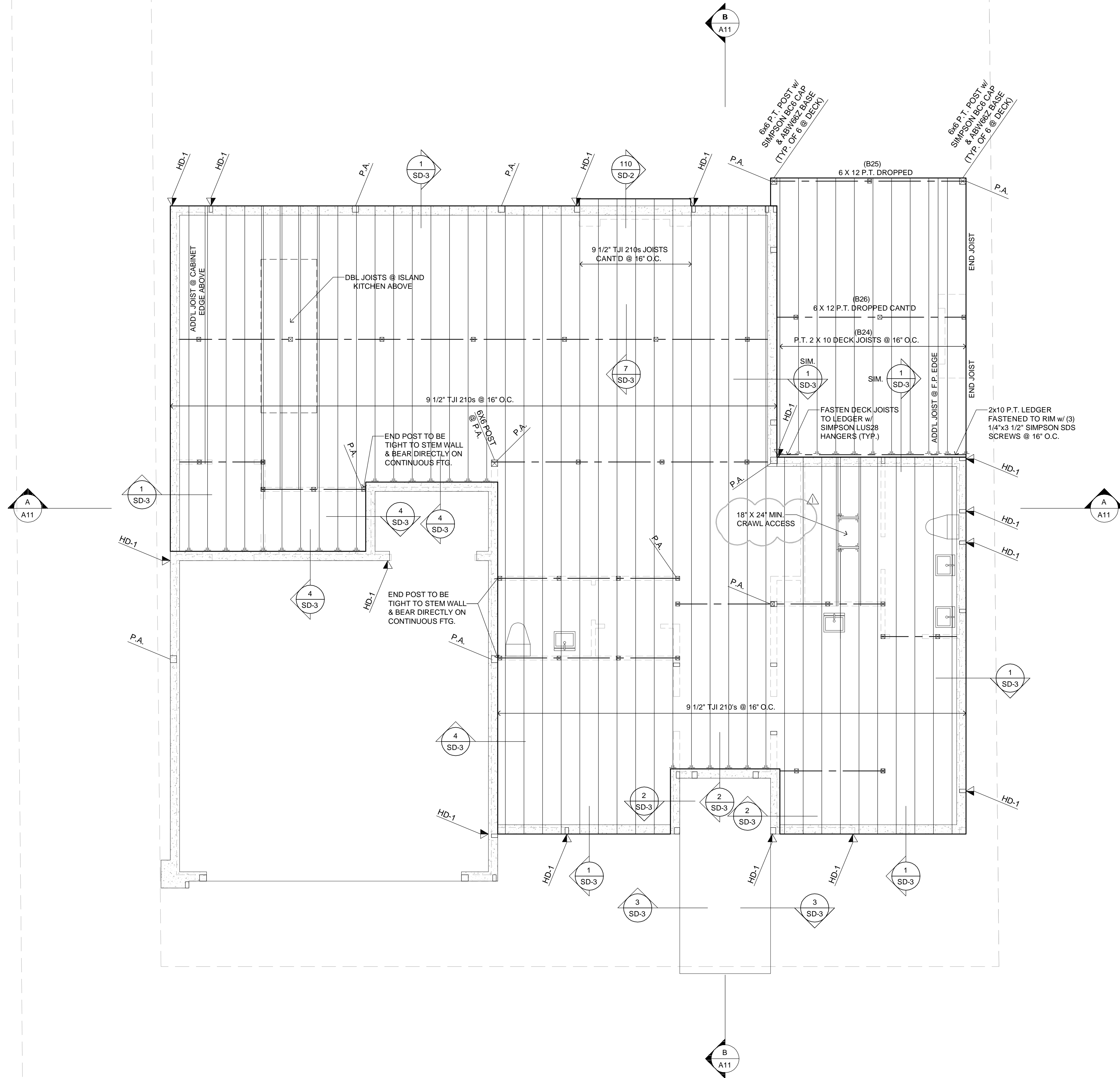
Date: 07.11.2022
Job No: xx-xxx
Project No: 00000
Drawn: BAK
Approved: APM
Owner: Design Built Homes



**8427 SE 47th St
Lorenzini BLA Lot**
Mercer Island, Washington



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- GENERAL NOTES:
1. MAIN FLOOR FRAMING TO BE 9 1/2" TJI FLOOR JOISTS @ 16" O.C. WITH 3/4" OSB SUBFLOOR, GLUED AND NAILED. U.N.O. ADHESIVES SHALL CONFORM TO APA SPEC. AFG 01. PROVIDE T&G EDGES AT LONG PANEL EDGES. STAGGER SUBFLOOR END JOISTS.
 2. BEARING WALLS ARE SHADED.
 3. PROVIDE SOLID BLOCKING IN FLOOR AT ALL WALLS AND POINT LOADS FROM ABOVE.
 4. PROVIDE (3) 2 X POST @ ALL BEAMS, HEADERS & TRUSS GIRDERS, U.N.O.
 5. NAIL PLIED BEAMS TOGETHER W/ 10d @ 12" O.C. @ TOP & BOTTOM.
 6. PROVIDE 18" X 24" MIN CRAWLSPACE ACCESS. WEATHERSTIP & INSULATE PER WSEC R402.2.4.
 7. GLB TO BE 24F-V4 U.N.O.
 8. PSL TO BE 2.0E U.N.O.

- INDICATES LOC. OF POINT LOAD FROM ABOVE (TYP.)
- INDICATES LOC. OF SOLID SUPPORT (2) STUDS LAM'D W/ 16d @ 12" O.C., (2) 16d EA. END TYP. UNLESS NOTED OTHERWISE
- ⊥ TYPICAL HANGER @ MAIN FLOOR SIMPSON LB

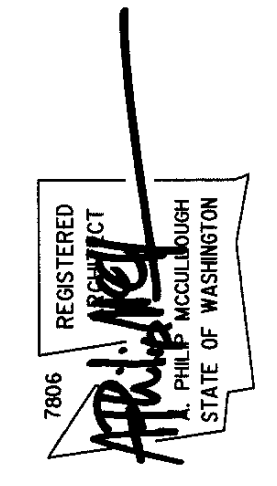
B22 / B23 4x10 CONT. DROPPED GIRDER (TYP. U.N.O.)

TYPICAL CRAWLSPACE POSTS:
 4x4 P.T. POST w/ 2x4 CLEATS EA. SIDE + (2) A36 CLIPS ON EA. SIDE @ BASE OF POST w/ 0.131" x 1 1/2" LONG REDHEAD NAILS (4'-0" MAX. POST HEIGHT) ON ASPHALT SHINGLE ON 18"x18"x8" PLAIN CONC. FTG. (TYP. U.N.O.)

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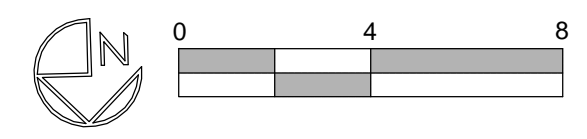
Revisions	Comment
11.28.2022	1

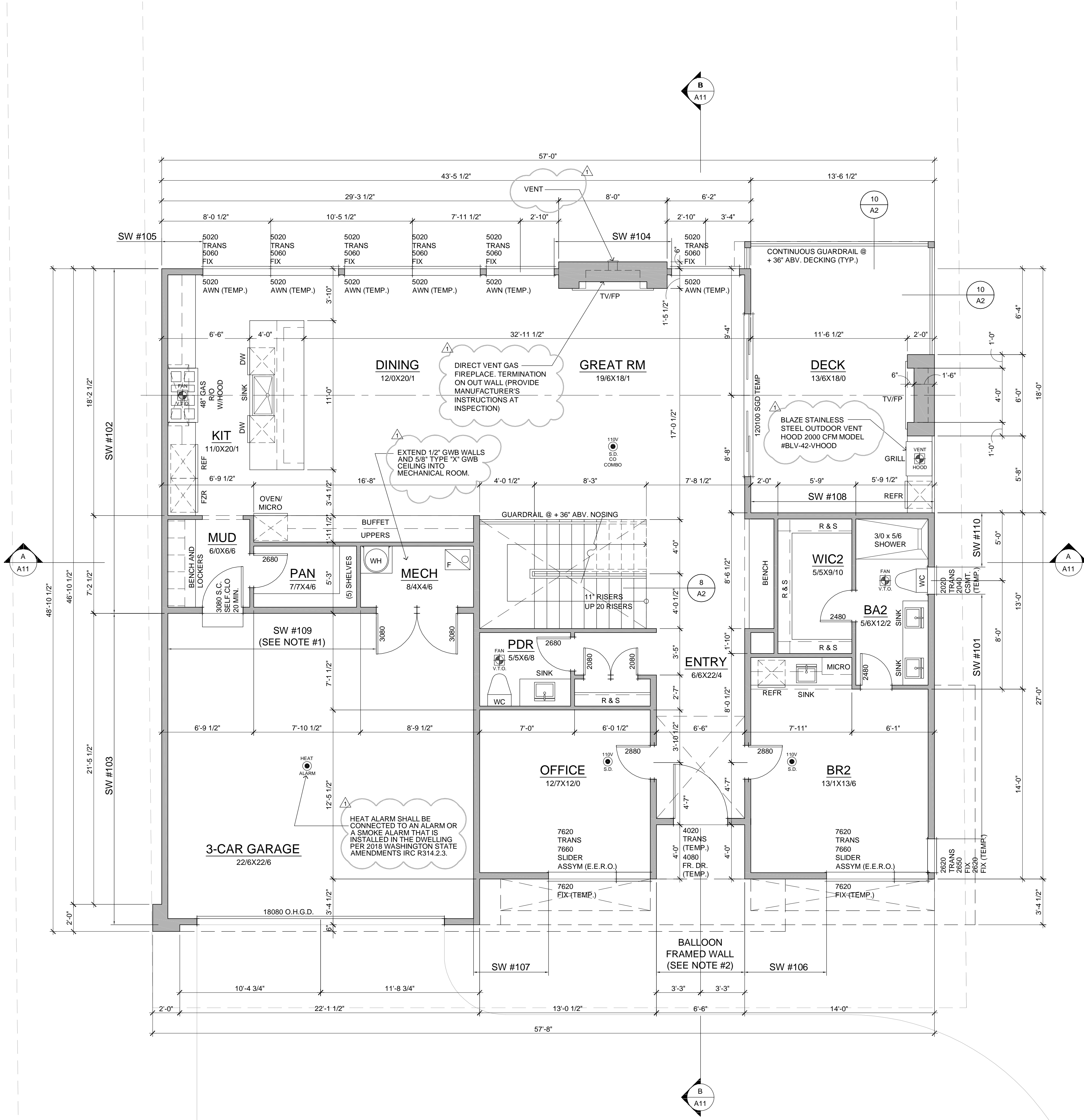
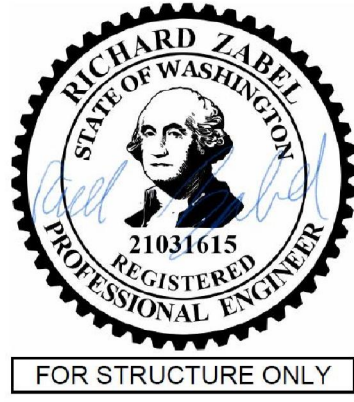
Date: 07.11.2022
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8427 SE 47th St
Lorenzini BLA Lot
 Mercer Island, Washington

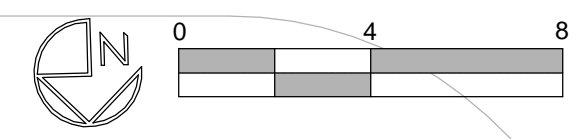
MAIN FLOOR FRAMING PLAN
 SCALE: 1/4" = 1'-0"





MAIN FLOOR PLAN

SCALE 1/8" = 1'-0" 1,868 SF TOTAL = 3,977 SF



GENERAL NOTES:

1. PLATE HEIGHT @ CLERESTORY IS 15'-1", U.N.O.
2. PLATE HEIGHT @ MAIN FLOOR IS 11'-0", U.N.O.
3. PLATE HEIGHT @ LOWER FLOOR IS 10'-1" U.N.P.
4. DIMENSION LINES ARE TO FACE OF STUD U.N.O.
5. WINDOW SIZES & ROUGH OPENINGS TO BE VERIFIED BY CONTRACTOR.
6. WINDOW HEAD HEIGHT AT MAIN FLOOR IS 8'-0" ABOVE SUBFLOOR, U.N.O. IF NOMINAL DOOR AND WINDOW HEIGHTS ARE SIMILAR, COORDINATE WITH DOOR AND WINDOW SPEC'S TO LOCATE FINAL ELEVATION OF THE HEAD HEIGHTS SO THAT ALL DOOR AND WINDOW TRIM ALIGN.
7. WINDOW AND DOOR SIZES ARE DIMENSIONED IN FEET AND INCHES (E.G. 2828= 2'-8" W X 2'-8" H)
8. EXTERIOR WALLS TO BE 2X6 STUDS AT 16" O.C., INTERIOR WALLS TO BE 2X4 STUDS AT 16" O.C., U.N.O.
9. FIREBLOCK ALL PLUMBING PENETRATIONS AND STAIR RUNS PER IRC SEC. R302.11.
10. SAFETY GLAZING PER IRC SEC. R308.4.
11. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED PER IRC SEC. R317.1.
12. PROVIDE UNDER-STAIR PROTECTION (1/2" GWB) PER IRC SEC. R302.7.
13. PROVIDE (1) LAYER OF 1/2" GWB AT THE GARAGE SIDE OF ALL WALLS SEPARATING THE GARAGE FROM THE RESIDENCE, ALL WALLS SUPPORTING A FLOOR CEILING ASSEMBLY BETWEEN THE GARAGE AND RESIDENCE, AND BETWEEN THE GARAGE AND ITS ATTIC. PROVIDE (1) LAYER 5/8" TYPE X GWB TO GARAGE CEILING IF BELOW HABITABLE ROOMS.
14. HOUSE/GARAGE DOOR SHALL BE 1-3/4" THICK WOOD SOLID CORE, OR 1-3/4" THICK SOLID OR HONEYCOMB CORE STEEL DOOR, OR 20-MINUTE RATED FIRE DOOR W/ SELF CLOSING DEVICE.
15. DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS AND CEILING SEPARATING THE DWELLING FROM THE GARAGE SHALL BE MIN. 26 GAUGE GALVANIZED STEEL.
16. PER IRC SEC R311.7.5. MAX. RISER HEIGHT SHALL BE 7-3/4". MIN. TREAD DEPTH SHALL BE 10". STAIR NOSINGS: 3/4" MIN., 1-1/4" MAX. RADIUS @ LEADING EDGE OF TREAD: 9/16" MAX.
17. PROVIDE HANDRAILS PER IRC SEC. R311.7.8. TOP OF HANDRAIL SHALL BE NOT LESS THAN 34" OR MORE THAN 38" ABOVE THE TREAD NOSINGS. HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE FLIGHT PER R311.7.2. THE HANDRAIL GRIP-SIZE SHALL BE PROVIDED PER R311.7.3.
18. PROVIDE GUARDS (MIN. 36" HEIGHT) IN LOCATIONS PER IRC SEC. R312.
19. FACTORY BUILT FIREPLACES & CHIMNEYS SHALL BE LISTED & LABELED AND SHALL BE INSTALLED & TERMINATED IN ACCORDANCE TO THE CONDITIONS OF THE LISTINGS. FACTORY BUILT FIREPLACES SHALL MEET EMISSION STANDARDS PER CH. 51-51 WAC.
20. PROVIDE EXTERIOR AIR SUPPLY TO ANY FACTORY-BUILT FIREPLACE PER IRC SEC R1006.

STRUCTURAL NOTES:

1. PROVIDE 7/16" OSB OR 15/32" PLYWOOD SHEATHING & FASTEN PER STANDARD EXTERIOR WALL SHEATHING SPECIFICATIONS.
2. PROVIDE 3" SCHEDULE 40 PIPE COLUMN CONT. TO FOUNDATION BELOW WITH 4"X12"X1/2" BASE PLATE FASTENED TO FOUNDATION WALL WITH (4) 1/2" TITEN HD ANCHORS WITH 7" MIN. EMBED.
3. STEEL BEAM OPT: PROVIDE 8"X7"X1/2" OFFSET CAP PLATE FASTENED TO BOTTOM FLANGE OF STEEL BEAM W/ (2) 3/4" A325 THRU BOLTS.
4. GLB BEAM OPT: PROVIDE 12"X5 1/2"X1/2" OFFSET CAP PLATE FASTENED TO BOTTOM OF BEAM W/ (4) 1/4"X2 1/2" LONG SDS SCREWS
5. PACKOUT STEEL BEAM AS REQUIRED W/ SOLID 2X MATERIAL THRU-BOLTED TO WEB WITH (2) 1/2" DIAMETER THRU-BOLTS @ 24" O.C. STAGGERED. FASTEN TOP PLATE TO STEEL BEAM PER SPEC ON S-9

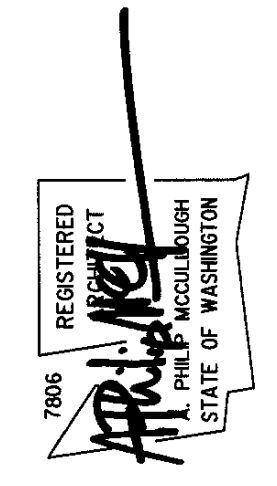
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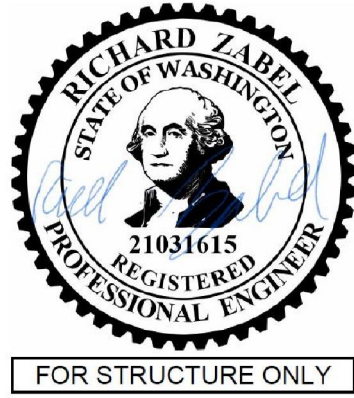
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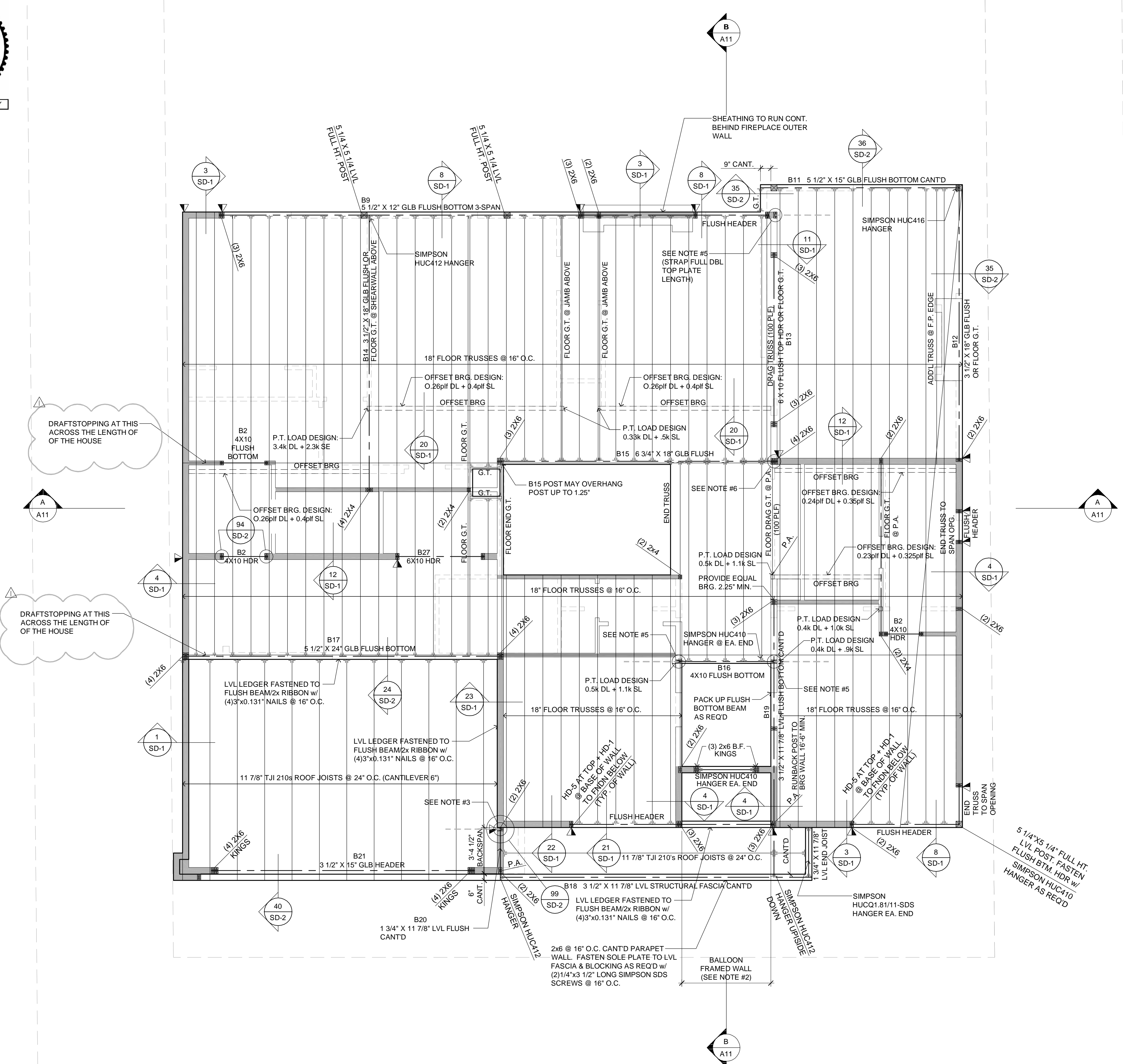
8427 SE 47th St
Lorenzini BLA Lot

Mercer Island, Washington

Permit Documents
Main Floor Plan
A5



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DRAFTSTOPPING AT THIS ACROSS THE LENGTH OF OF THE HOUSE

- GENERAL NOTES:
- UPPER FLOOR FRAMING TO BE 18" FLOOR TRUSSES @ 16" O.C. WITH 3/4" OSB SUBFLOOR, GLUED AND NAILED. U.N.O. ADHESIVES SHALL CONFORM TO APA SPEC. AFG 01. PROVIDE T&G EDGES AT LONG PANEL EDGES. STAGGER SUBFLOOR END JOINTS.
 - BEARING WALLS ARE SHADDED.
 - PROVIDE SOLID BLOCKING IN FLOOR AT ALL WALLS AND POINT LOADS FROM ABOVE.
 - PROVIDE (3) 2 X POST @ ALL BEAMS, HEADERS & TRUSS GIRDERS, U.N.O.
 - NAIL FLIED BEAMS TOGETHER W/ 10d @ 12" O.C. @ TOP & BOTTOM.
 - PROVIDE 18" X 24" MIN CRAWLSPACE ACCESS. WEATHERSTIP & INSULATE PER WSEC R402.2.4.
 - GLB TO BE 24F-V4 U.N.O.
 - PSL TO BE 2.0E U.N.O.
 - SEE DETAIL 100SD-2 FOR TYP. FLUSH BEAM CONNECTIONS ABOVE WINDOW OPENINGS WHEN THE DBL TOP PLATE MUST BE SPLICED.
 - 4x 10 FLUSH BOTTOM HDR w/ TOP CHORD BRG FLOOR TRUSSES @ ALL PERPENDICULAR EXTERIOR OPENINGS (TYP. U.N.O.) B10
 - ALL HOLDDOWNS SHALL BE HD-1 FASTENED @ (2) 2x6 MIN. DOWN TO FNDN. BELOW (TYP. U.N.O.)
 - ALL 2x4 INTERIOR BEARING WALLS @ THIS LEVEL SHALL BE HF-2 GRADE OR BETTER @ 12" O.C.

- STRUCTURAL PLAN NOTES:
- NOTE 1:
PROVIDE 7/16" OSB PLYWOOD SHTG. + FASTEN PER TYP. WALL SHTG. SPECS. (SEE NOTES).
- NOTE 2:
ALL WALLS 12' OR TALLER SHALL BE 2x6 HF #2 GRADE OR BETTER.
- NOTE 3:
PROVIDE SIMPSON SC16 STRAP FROM DBL TOP PLATE (13' END LENGTH) TO UNDERSIDE OF BLOCKING BETWEEN I-JOISTS FOR (3) BAYS (6'-0" MIN.). FASTEN ROOF SHTG. TO BLOCKING w/ 1/2.131 NAILS @ 6'-0" O.C.
- NOTE 5:
PROVIDE SIMPSON CS16 STRAP FROM DBL TOP PLATE OR FLUSH BOTTOM BEAM (13' END LENGTH) TO UNDERSIDE OF BLOCK BETWEEN FLOOR TRUSSES FOR (3) TRUSS BAYS (4'-0" MIN.). FASTEN SHTG. TO BLOCKING w/ 2 1/2"x0.131" NAILS @ 6" O.C.
- NOTE 6:
PROVIDE SIMPSON CS16 STRAP FROM DBL TOP PLATE TO UNDERSIDE FLOOR DRAG TRUSS OR BEAM (13' END LENGTH)

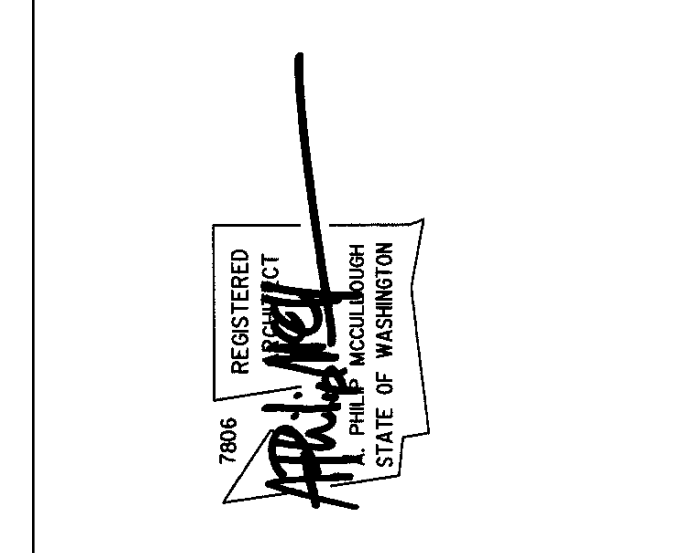
- INDICATES LOC. OF POINT LOAD FROM ABOVE (TYP.)
- INDICATES LOC. OF SOLID SUPPORT (2) STUDS LAM'D W/ 16d @ 12" O.C., (2) 16d EA. END TYP. UNLESS NOTED OTHERWISE
- † TYPICAL HANGER @ MAIN FLOOR SIMPSON LB

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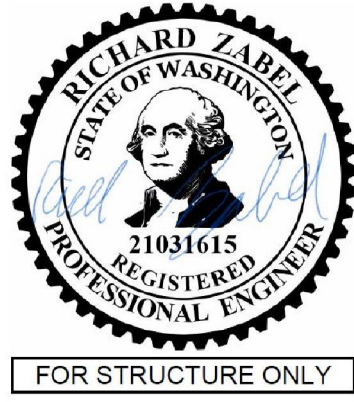
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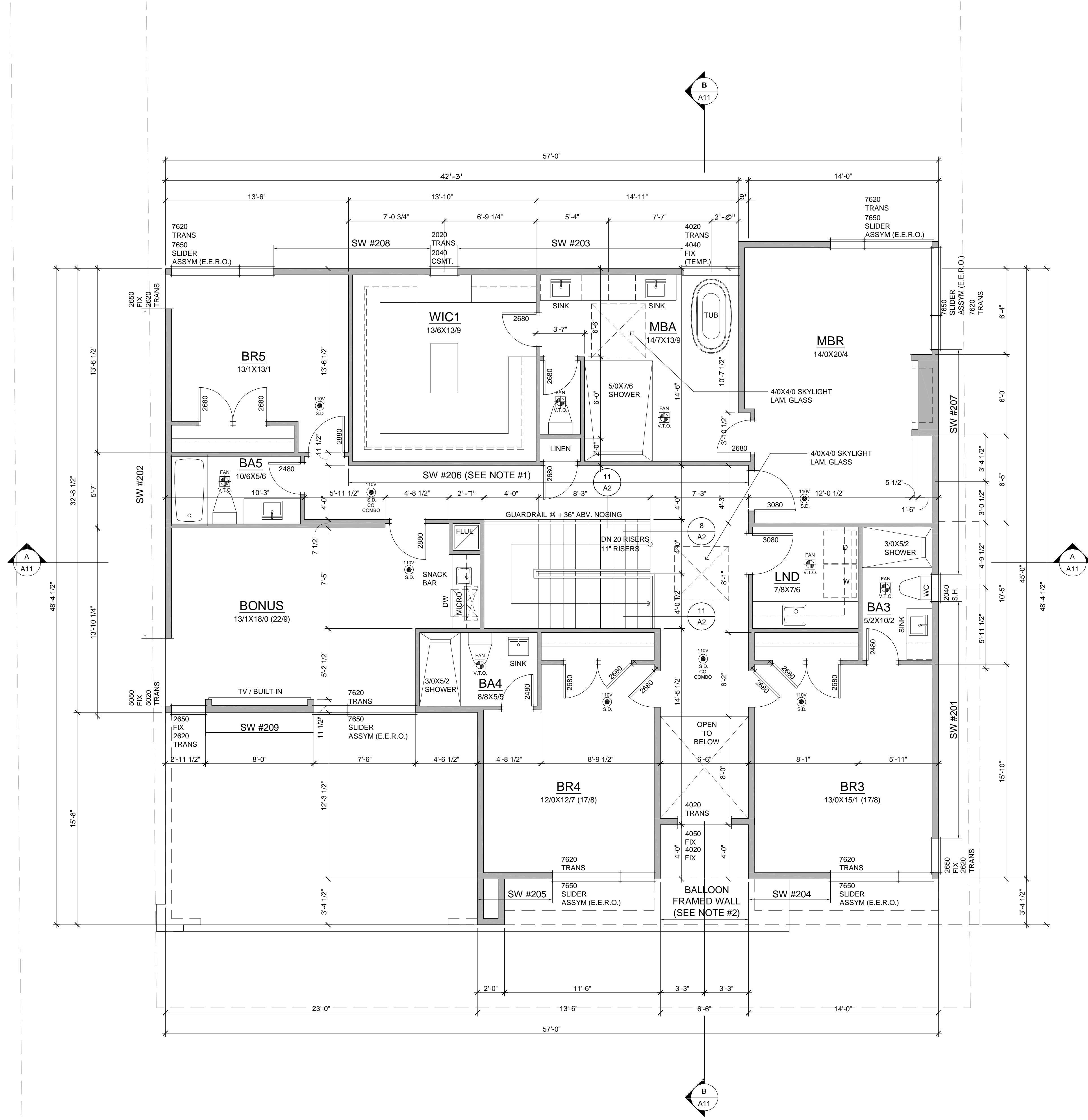


8427 SE 47th St
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UPPER FLOOR FRAMING PLAN
 SCALE: 1/4" = 1'-0"

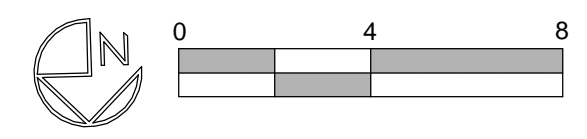


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UPPER FLOOR PLAN

SCALE 1/4" = 1'-0" 2,109 SF



GENERAL NOTES:

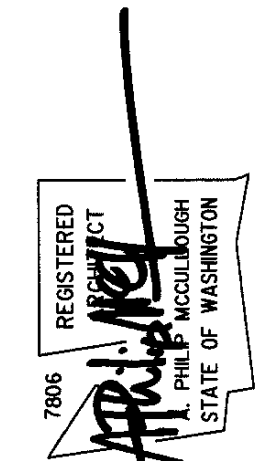
1. PLATE HEIGHT @ CLERESTORY IS 15'-1", U.N.O.
PLATE HEIGHT @ MAIN FLOOR IS 11'-0", U.N.O.
PLATE HEIGHT @ LOWER FLOOR IS 10'-1" U.N.P.
2. DIMENSION LINES ARE TO FACE OF STUD U.N.O.
3. WINDOW SIZES & ROUGH OPENINGS TO BE VERIFIED BY CONTRACTOR.
4. WINDOW HEAD HEIGHT AT MAIN FLOOR IS 8'-0" ABOVE SUBFLOOR, U.N.O. IF NOMINAL DOOR AND WINDOW HEIGHTS ARE SIMILAR, COORDINATE WITH DOOR AND WINDOW SPECS TO LOCATE FINAL ELEVATION OF THE HEAD HEIGHTS SO THAT ALL DOOR AND WINDOW TRIM ALIGN.
5. WINDOW AND DOOR SIZES ARE DIMENSIONED IN FEET AND INCHES
(E.G. 2828= 2'-8" W X 2'-8" H)
6. EXTERIOR WALLS TO BE 2X6 STUDS AT 16" O.C., INTERIOR WALLS TO BE 2X4 STUDS AT 16" O.C., U.N.O.
7. FIREBLOCK ALL PLUMBING PENETRATIONS AND STAIR RUNS PER IRC SEC. R302.11.
8. SAFETY GLAZING PER IRC SEC. R308.4.
9. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED PER IRC SEC. R317.1.
10. PROVIDE UNDER-STAIR PROTECTION (1/2" GWB) PER IRC SEC R302.7.
11. PROVIDE (1) LAYER OF 1/2" GWB AT THE GARAGE SIDE OF ALL WALLS SEPARATING THE GARAGE FROM THE RESIDENCE, ALL WALLS SUPPORTING A FLOOR CEILING ASSEMBLY BETWEEN THE GARAGE AND RESIDENCE, AND BETWEEN THE GARAGE AND ITS ATTIC. PROVIDE (1) LAYER 5/8" TYPE X GWB TO GARAGE CEILING IF BELOW HABITABLE ROOMS.
12. HOUSE/GARAGE DOOR SHALL BE 1-3/8" THICK WOOD SOLID CORE, OR 1-3/8" THICK SOLID OR HONEYCOMB CORE STEEL DOOR, OR 20-MINUTE RATED FIRE DOOR W/ SELF CLOSING DEVICE.
13. DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS AND CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE MIN. 26 GAUGE GALVANIZED STEEL.
14. PER IRC SEC R311.7.5. MAX. RISER HEIGHT SHALL BE 7-3/4". MIN. TREAD DEPTH SHALL BE 10". STAIR NOSINGS: 3/4" MIN., 1-1/4" MAX. RADIUS @ LEADING EDGE OF TREAD; 9/16" MAX.
15. PROVIDE HANDRAILS PER IRC SEC. R311.7.8. TOP OF HANDRAIL SHALL BE NOT LESS THAN 34" OR MORE THAN 38" ABOVE THE TREAD NOSINGS. HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE FLIGHT PER R311.7.7.2. THE HANDRAIL GRIP-SIZE SHALL BE PROVIDED PER R311.7.7.3.
16. PROVIDE GUARDS (MIN. 36" HEIGHT) IN LOCATIONS PER IRC SEC. R312.
17. FACTORY BUILT FIREPLACES & CHIMNEYS SHALL BE LISTED & LABELED AND SHALL BE INSTALLED & TERMINATED IN ACCORDANCE TO THE CONDITIONS OF THE LISTINGS. FACTORY BUILT FIREPLACES SHALL MEET EMISSION STANDARDS PER CH. 51-51 WAC.
18. PROVIDE EXTERIOR AIR SUPPLY TO ANY FACTORY-BUILT FIREPLACE PER IRC SEC R1006.

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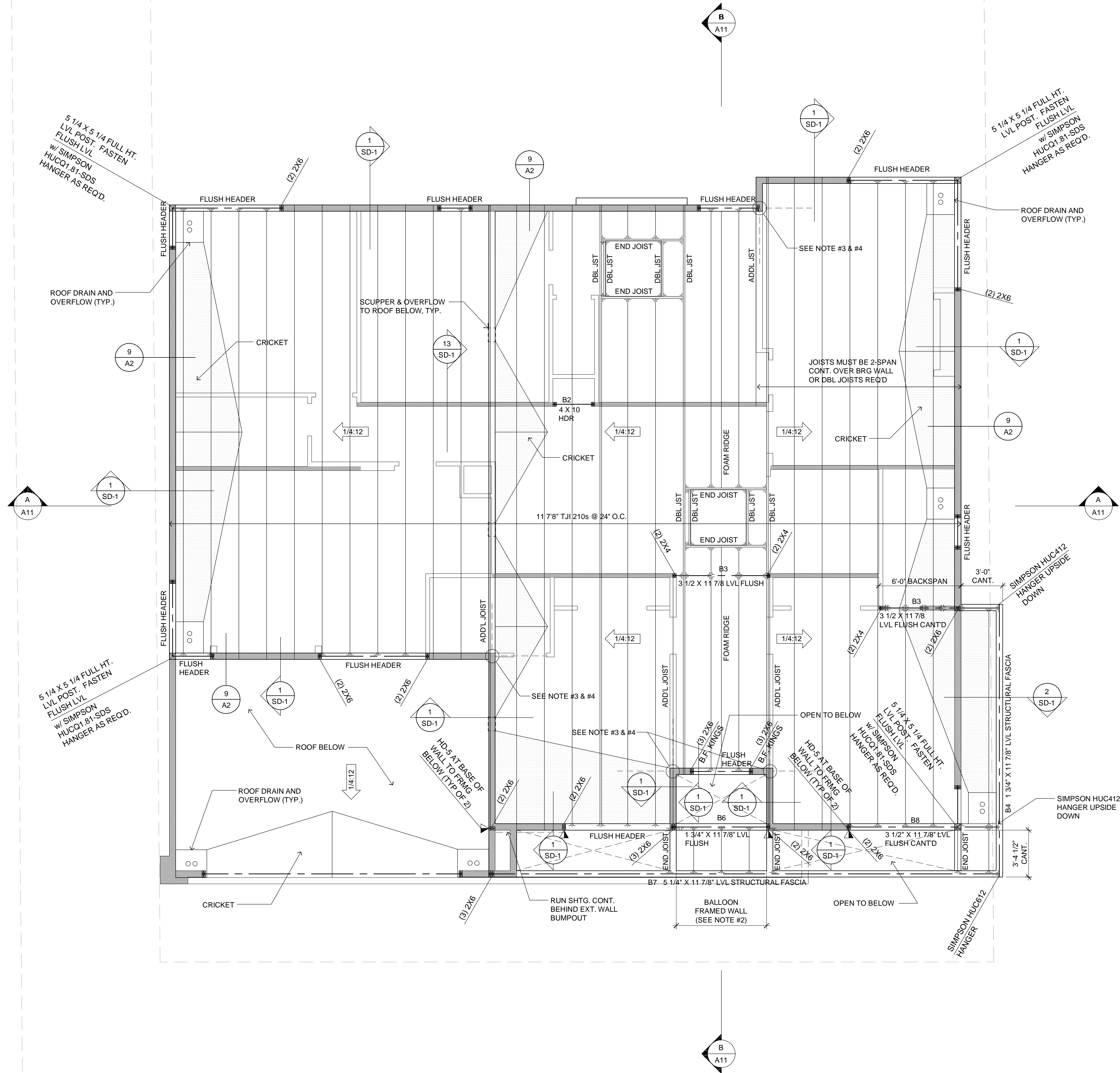


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Lorenzini BLA Lot

Mercer Island, Washington

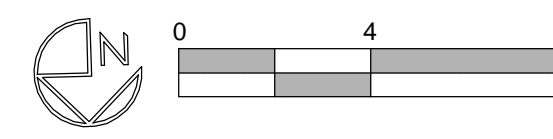


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ROOF FRAMING PLAN

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



- GENERAL NOTES:
1. VENTED EAWE BLOCKING @ BEARING, U.N.O.
 2. BEARING WALLS ARE SHADED.
 3. OVER FRAME ROOF AREAS ARE SHOWN HATCHED.
 4. ROOF PITCH AS SHOWN.
 5. EAWE OVERHANG TO BE AS SHOWN. GABLE END & RAKE OVERHANG TO BE AS SHOWN.
 6. APPLY ROOFING IN ACCORDANCE WITH I.R.C. SEC. 905.
 7. COMPOSITION ROOF FASTENERS AS PER I.R.C. SEC. 905.2.5.
 8. PROVIDE ATTIC ACCESS WITH MIN. OF 22"X30" CLEAR. WEATHERSTRIP & INSULATE PER WSEC R402.2.4.
 9. WOOD TRUSSES SHALL BE DESIGNED PER IRC SEC. R802.10.
 10. ALL TRUSSES SHALL CARRY MANUFACTURER'S STAMP. SHALL BE INSTALLED AND BRACED TO MANUFACTURER'S SPECIFICATIONS. SHALL HAVE DESIGN DETAILS AND DRAWINGS ON SITE FOR FRAMING INSPECTION, AND WILL NOT BE FIELD ALTERED WITHOUT PRIOR BUILDING DEPARTMENT APPROVAL OF ENGINEER'S CALCULATIONS.
 11. TRUSS MANUFACTURER TO SUPPLY ALL BLOCKING AND HANGERS REQUIRED AT MANUFACTURED TRUSSES.
 12. TRUSS LAYOUT TO BE REVIEWED AND APPROVED BY TRUSS MANUFACTURER PRIOR TO CONSTRUCTION. ALL CHANGES TO BE SUBMITTED AND APPROVED BY ARCHITECT PRIOR TO FABRICATION.
 13. COLUMNS AT HEADERS, BEAMS, AND GIRDERS TO BE (2) 2X STUDS, U.N.O.
 14. MARKERS FOR BLOW-IN OR SPRAYED INSULATION SHALL BE PLACED EVERY 300 S.F. AND SHALL FACE TOWARD ATTIC ACCESS PER IECC SEC 303.1.1.1
 15. PROVIDE DRAFT STOP IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY NOT TO EXCEED 1,000 SQUARE FEET INTO APPROXIMATELY EQUAL AREAS. (R302.12)
 16. ALL TRUSS HEELS TO BE 7" UNO.
 17. SEE DETAIL 100SD-2 FOR TYP. FLUSH BEAM CONNECTIONS ABOVE WINDOW OPENINGS WHEN THE DBL TOP PLATE MUST BE SPLICED.
 18. 1 3/4" X 11 7/8" TYP. FLUSH HDR FOR ALL EXTERIOR OPENINGS @ ROOF FRAMING (TYP. U.N.O.) B1

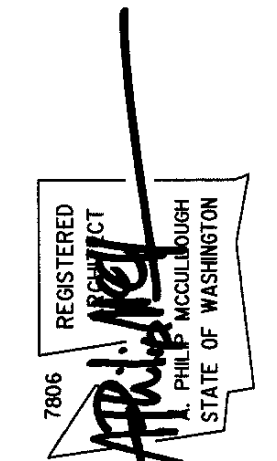
STRUCTURAL PLAN NOTES:

- NOTE 1:
PROVIDE 7/16" OSB/PLYWOOD SHTG. + FASTEN PER TYP. WALL SHTG. SPECS. (SEE NOTES).
- NOTE 2:
ALL WALLS 12' OR TALLER SHALL BE 2x6 HF #2 GRADE OR BETTER.
- NOTE 3:
PROVIDE SIMPSON SC16 STRAP FROM DBL TOP PLATE (13' END LENGTH) TO UNDERSIDE OF BLOCKING BETWEEN I-JOISTS FOR (3) BAYS (6'-0" MIN.) FASTEN ROOF SHTG. TO BLOCKING w/ 1/2.131 NAILS @ 6'-0" O.C.
- NOTE 4:
PROVIDE SIMPSON CS16 STRAP FROM DBL TOP PLATE TO UNDERSIDE OF ADD'L I-JOIST (13' END LENGTH)

Revisions	Comment
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Mercer Island, Washington

Permit Documents

Roof Framing Plan

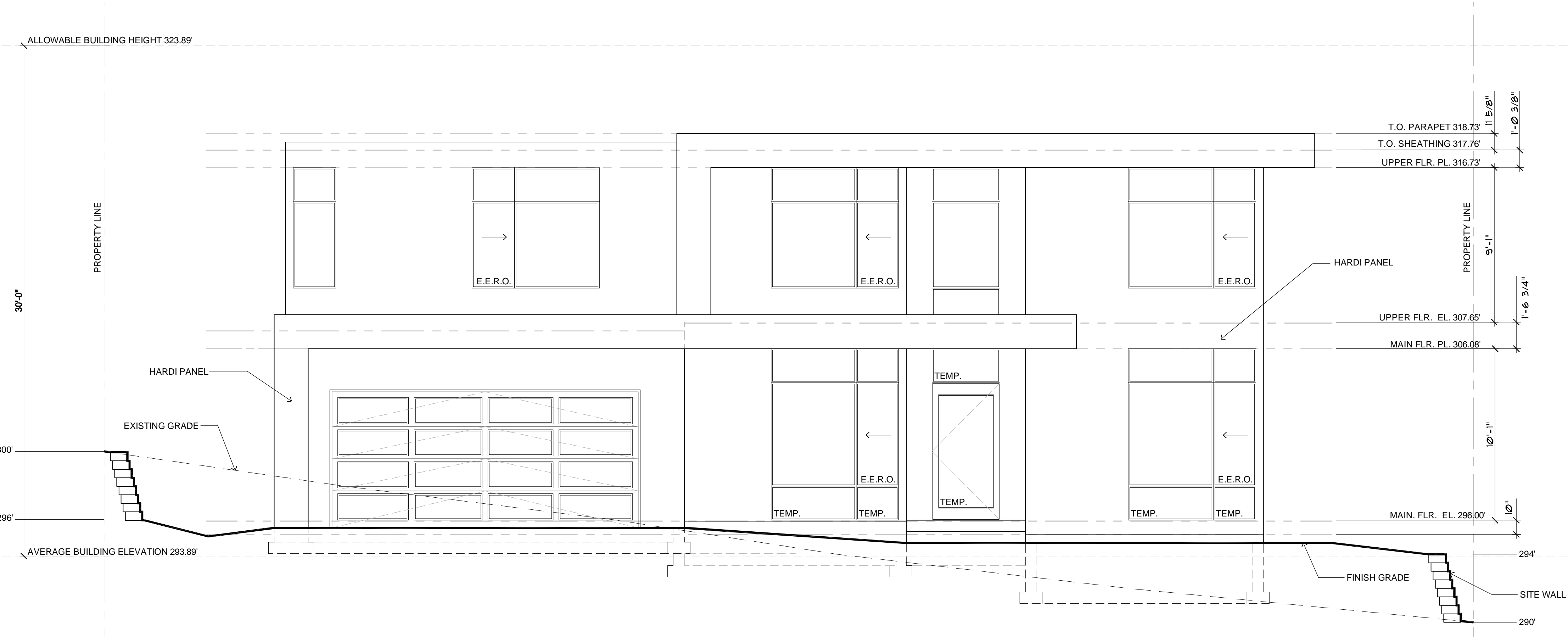
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- EXTERIOR ELEVATION NOTES:
1. VERIFY SHEAR WALL NAILING AND HOLDDOWNS PER STRUCTURAL PLANS AND SCHEDULES PRIOR TO INSTALLING SIDING
 2. THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, AND WEATHERSTRIPPED TO LIMIT AIR LEAKAGE.
 3. PROVIDE GALVANIZED OR ANODIZED SHEET METAL FLASHING AND COUNTERFLASHING AT ALL ROOF PENETRATIONS, CHIMNEYS, AND SKYLIGHTS PER IRC SEC. R703.8.
 4. PROVIDE CONTINUOUS GUTTERS WITH DOWNSPOUTS AT ALL EAVES.
 5. PROVIDE ROOF COVERINGS PER IRC SECTION R905. INSTALL PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
 6. PROVIDE EXTERIOR WALL COVERINGS PER IRC SECTION R703. INSTALL PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

- WINDOW & DOOR NOTES:
1. UNIT FRAMES TO BE VINYL, U.N.O.
 2. "U" VALUES FOR WINDOWS TO BE NFRC CERTIFIED.
 3. GLAZING UNITS TO HAVE 1/2" INSULATED GLASS, U.N.O.
 4. USE SAFETY GLASS WHERE REQUIRED PER IRC SEC. R308.4
 5. WINDOWS & DOORS SHALL LIMIT INFILTRATION PER ASTM 3287.3.
 6. SITE VERIFY ALL ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION.

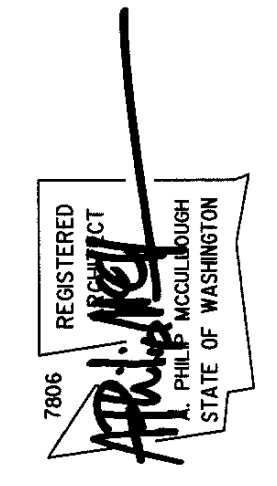


NORTH ELEVATION
SCALE: 1/4" = 1'-0"

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Date: 07.11.2022
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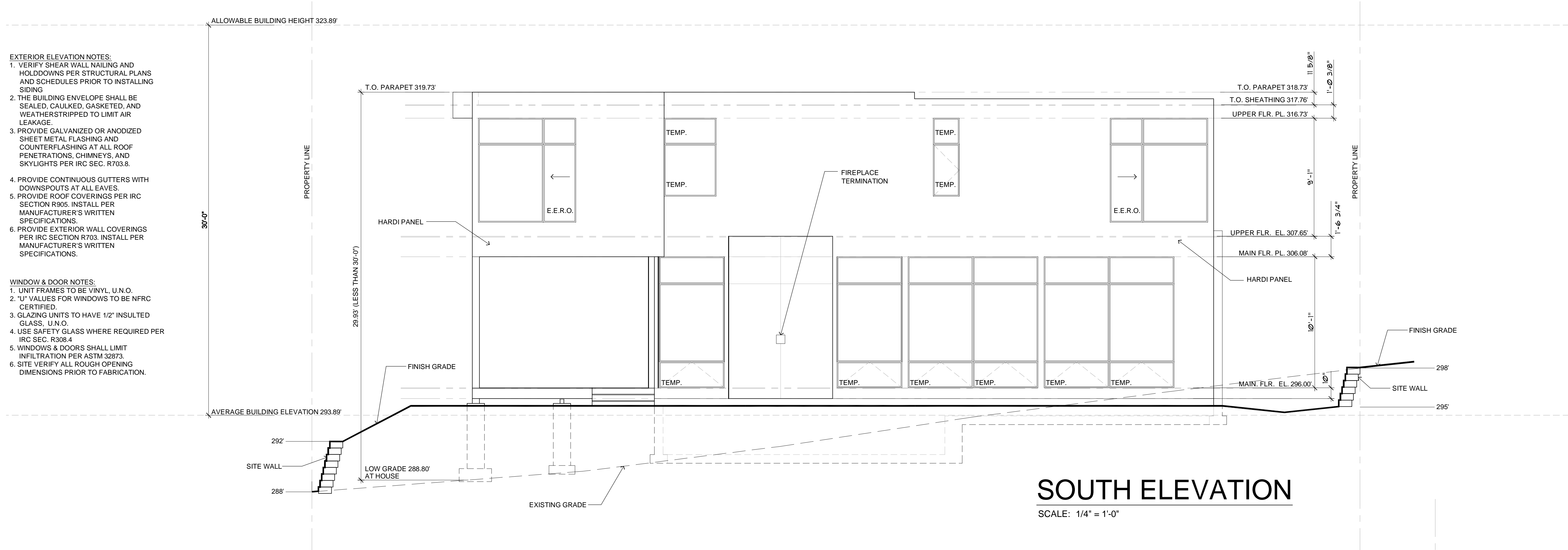
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Mercer Island, Washington

Permit Documents
Exterior Elevations
A9

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

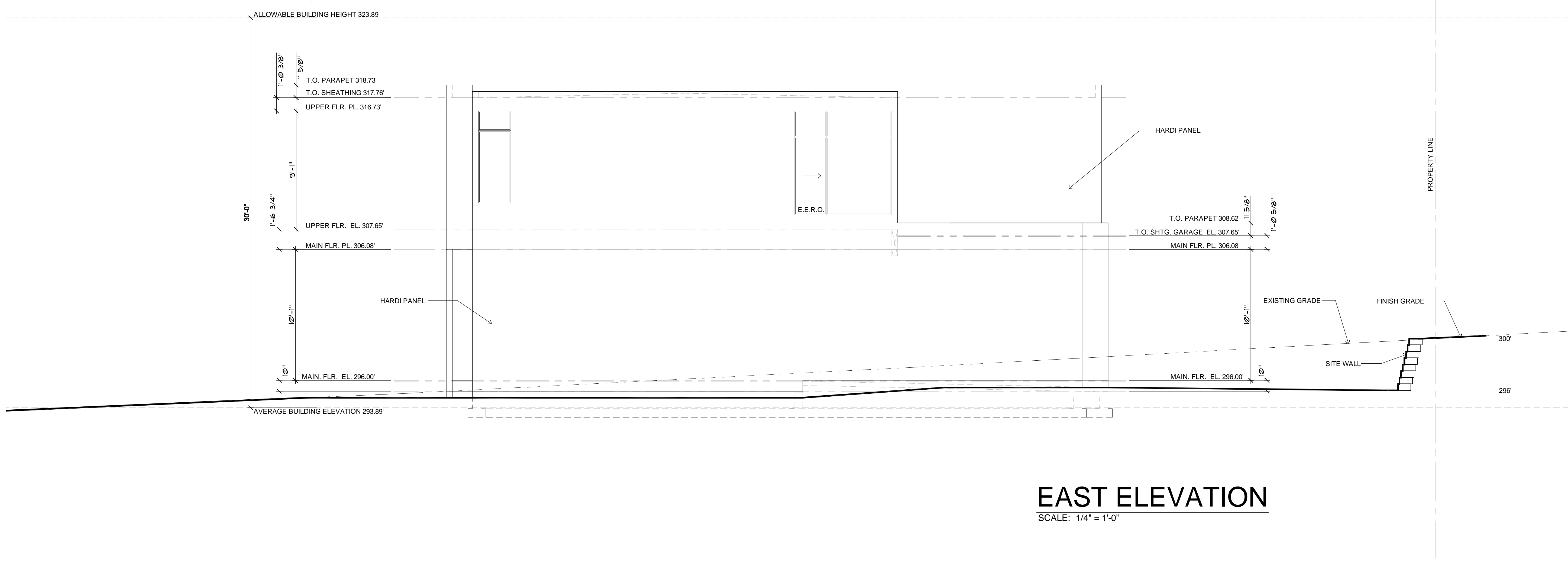


- EXTERIOR ELEVATION NOTES:**
1. VERIFY SHEAR WALL NAILING AND HOLDDOWNS PER STRUCTURAL PLANS AND SCHEDULES PRIOR TO INSTALLING SIDING
 2. THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, AND WEATHERSTRIPPED TO LIMIT AIR LEAKAGE.
 3. PROVIDE GALVANIZED OR ANODIZED SHEET METAL FLASHING AND COUNTERFLASHING AT ALL ROOF PENETRATIONS, CHIMNEYS, AND SKYLIGHTS PER IRC SEC. R703.8.
 4. PROVIDE CONTINUOUS GUTTERS WITH DOWNSPOUTS AT ALL EAVES.
 5. PROVIDE ROOF COVERINGS PER IRC SECTION R905. INSTALL PER MANUFACTURER'S WRITTEN SPECIFICATIONS.
 6. PROVIDE EXTERIOR WALL COVERINGS PER IRC SECTION R703. INSTALL PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

- WINDOW & DOOR NOTES:**
1. UNIT FRAMES TO BE VINYL, U.N.O.
 2. "U" VALUES FOR WINDOWS TO BE NFRC CERTIFIED.
 3. GLAZING UNITS TO HAVE 1/2" INSULATED GLASS, U.N.O.
 4. USE SAFETY GLASS WHERE REQUIRED PER IRC SEC. R308.4
 5. WINDOWS & DOORS SHALL LIMIT INFILTRATION PER ASTM 32873.
 6. SITE VERIFY ALL ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION.

SOUTH ELEVATION

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



EAST ELEVATION

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

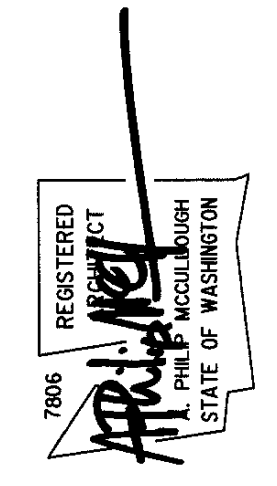
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Revisions Comment
11.28.2022 1

Date: 07.11.2022
Job No: xx-xxx
Project No: 00000
Drawn: BAK
Approved: APM

Owner
Design Built Homes



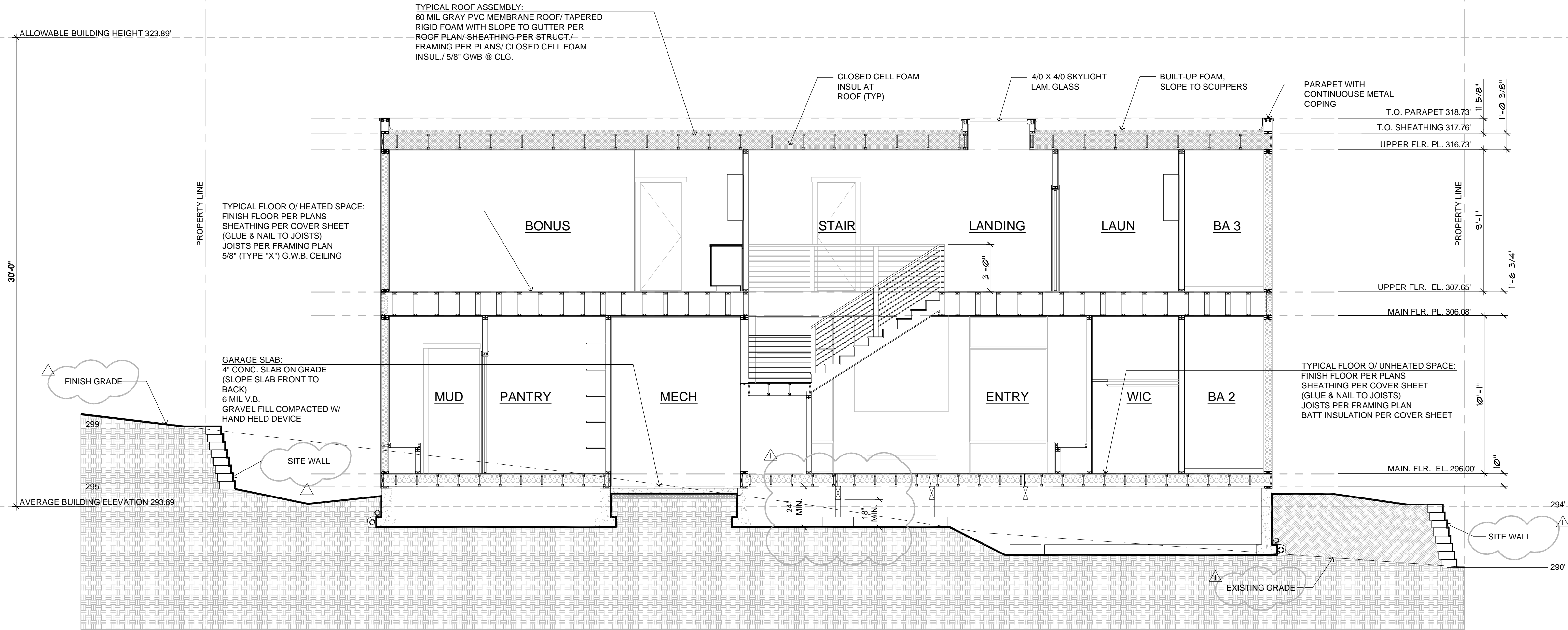
8427 SE 47th St
Lorenzini BLA Lot

Mercer Island, Washington

Permit Documents

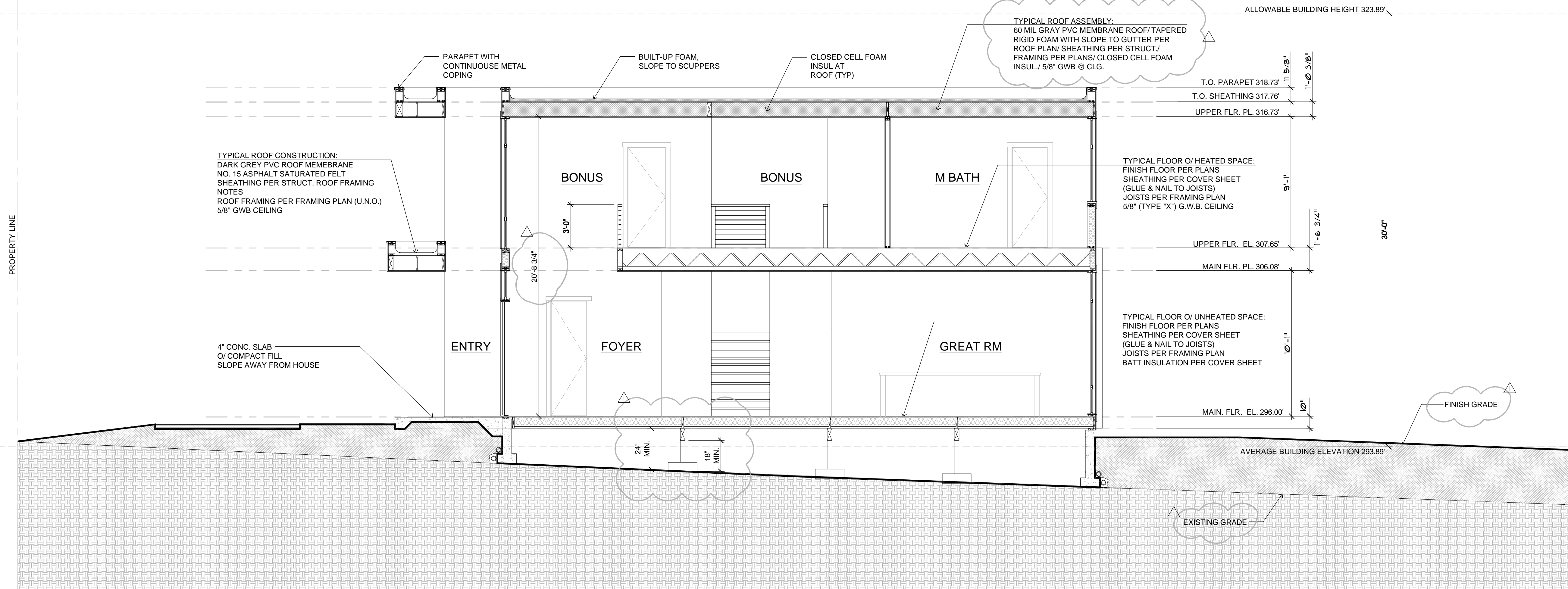
Exterior Elevations

A10



BUILDING SECTION A

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



BUILDING SECTION B

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

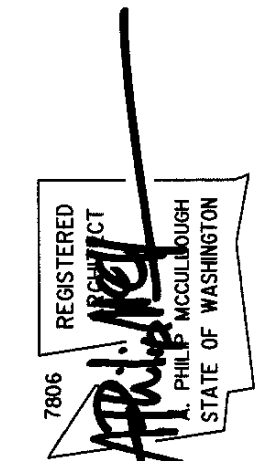
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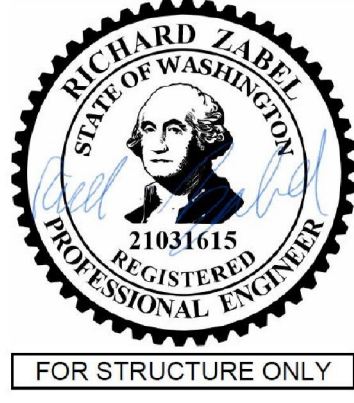
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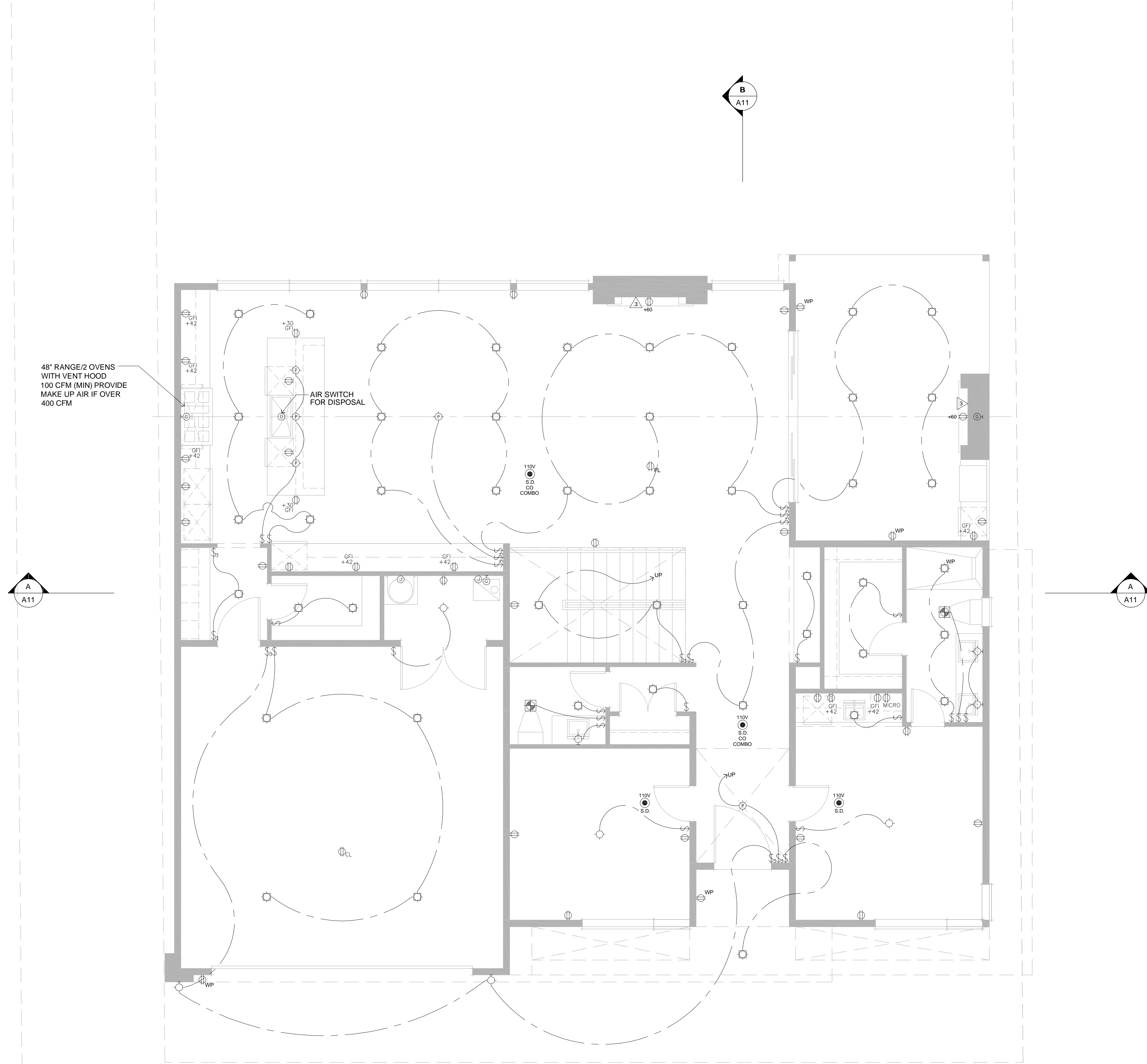
Permit Documents

Building Sections

A11



FOR STRUCTURE ONLY



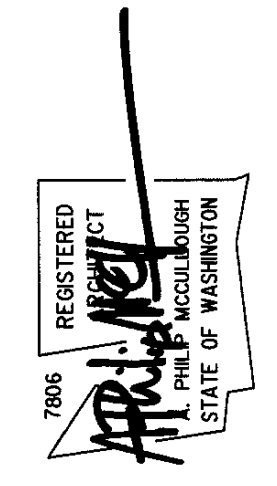
LEGEND:

- ⊕ DUPLEX OUTLET (110V AT +12" A.F.F. U.N.O.)
- ⊕ 4PLEX OUTLET (+12" A.F.F. U.N.O.)
- ⊕ DUPLEX OUTLET (110V AT +12" A.F.F. U.N.O.) (SWITCHED)
- ⊕ WP WATER PROOF DUPLEX OUTLET (110V AT +12" A.F.F. U.N.O.)
- ⊕ GFI GROUND FAULT INTERRUPTER DUPLEX OUTLET (110V AT +12" A.F.F. U.N.O.)
- ⊕ FLOOR OUTLET
- ⊕ CEILING OUTLET
- ⊕ 220V OUTLET
- ⊕ TV OUTLET
- ⊕ TELEPHONE
- ⊕ SWITCH
- ⊕ 3 WAY SWITCH
- ⊕ 4 WAY SWITCH
- ⊕ DIMMER SWITCH
- ⊕ SPEED CONTROL SWITCH
- ⊕ WALL MOUNTED LIGHT FIXTURE
- ⊕ CEILING MOUNT LIGHT FIXTURE
- ⊕ PENDANT LIGHT FIXTURE
- ⊕ RECESSED LIGHT FIXTURE
- ⊕ RECESSED WALL WASHER
- RECESSED PIN SPOT
- ⊕ EXHAUST FAN
- ⊕ HEAT LAMP
- ⊕ HEAT LAMP/EXHAUST FAN
- ⊕ FLUORESCENT LIGHT FIXTURE, 1 X 4 SURFACE MOUNTED
- ⊕ FLUORESCENT LIGHT FIXTURE, TASK LIGHT UNDER CABINET
- ⊕ CEILING FAN
- ⊕ JUNCTION BOX
- ⊕ CHIMES
- ⊕ GAS CONNECTION
- ⊕ ALARM KEY PAD
- ⊕ SMOKE DETECTOR
- ⊕ SMOKE DETECTOR C.O. COMBO

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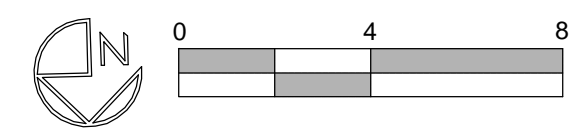
Revisions	Comment
11.28.2022	1

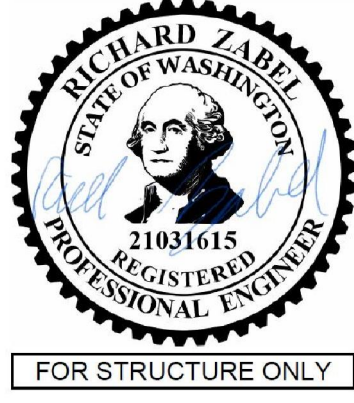
Date: 07.11.2022
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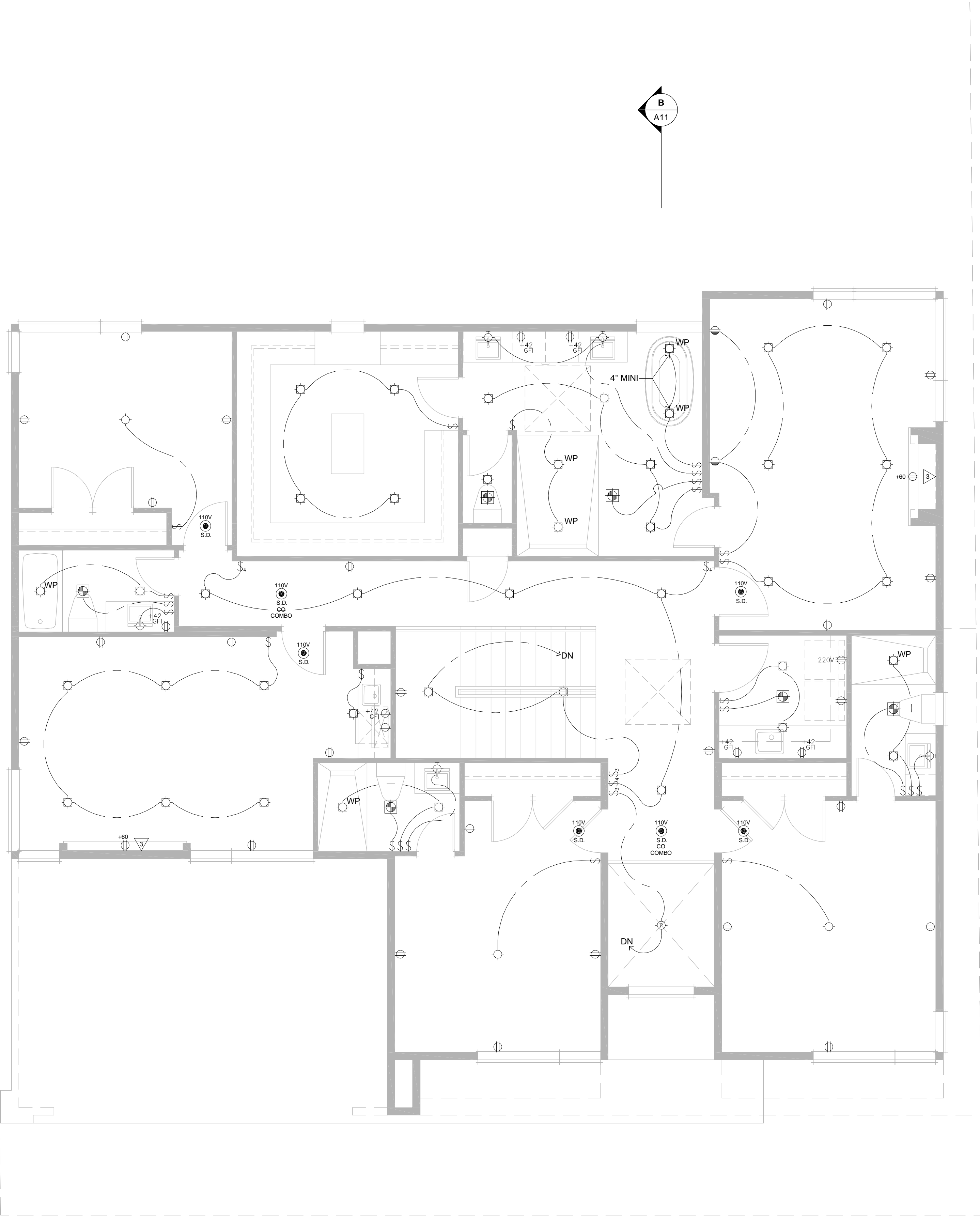
**8427 SE 47th St
 Lorenzini BLA Lot**
 Mercer Island, Washington

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

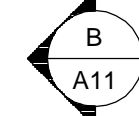
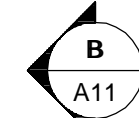
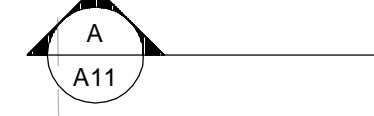




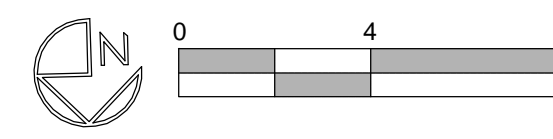
FOR STRUCTURE ONLY



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 - ⊕ ALARM KEY PAD
 - ⊕ SMOKE DETECTOR
 - ⊕ SMOKE DETECTOR C.O. COMBO



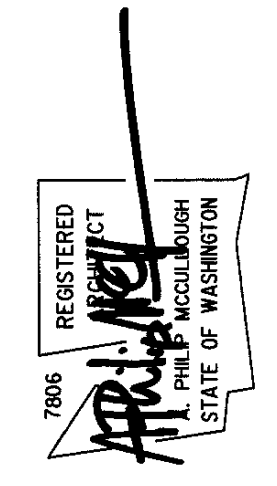
UPPER FLOOR ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



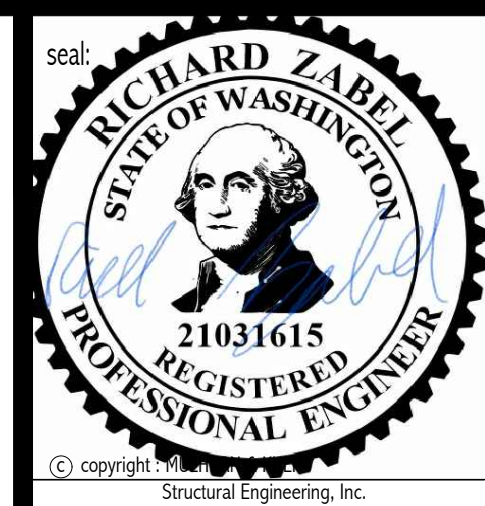
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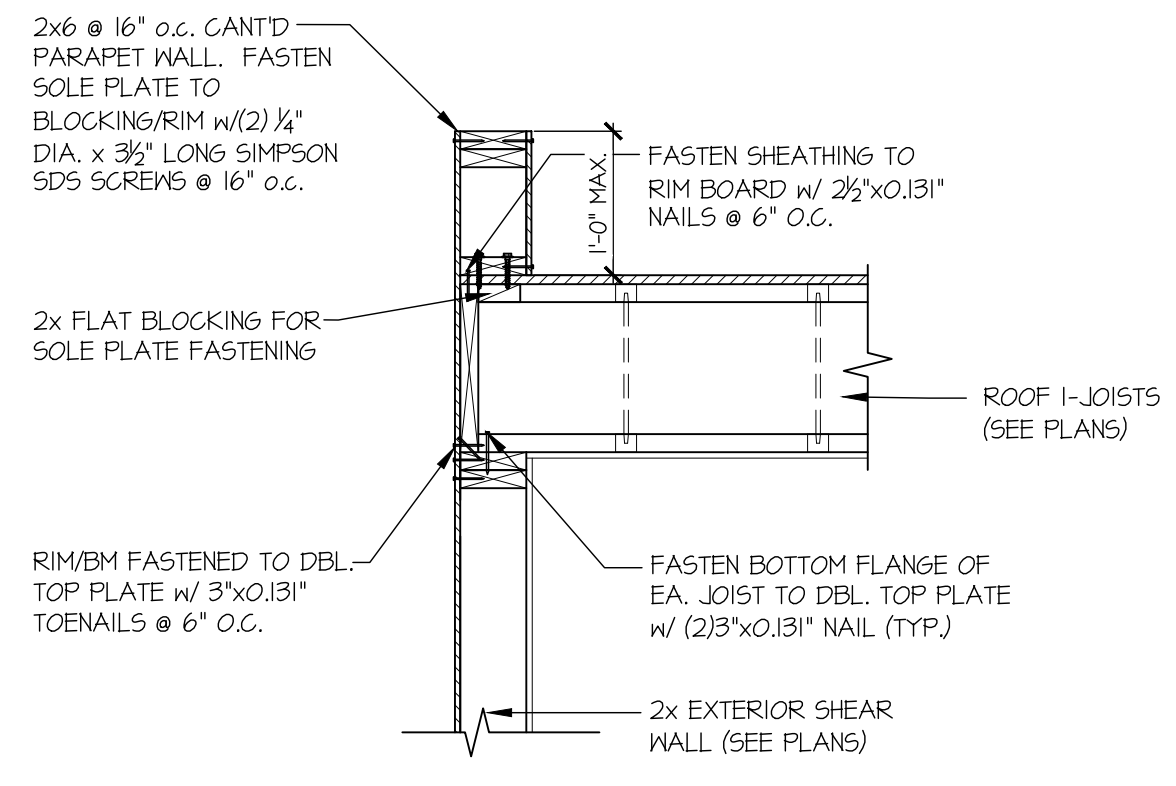
M&K project number:
244-22003
project mgr: R.JZ
drawn by: JCL
issue date: 05-20-22

REVISIONS:	
date:	initial:

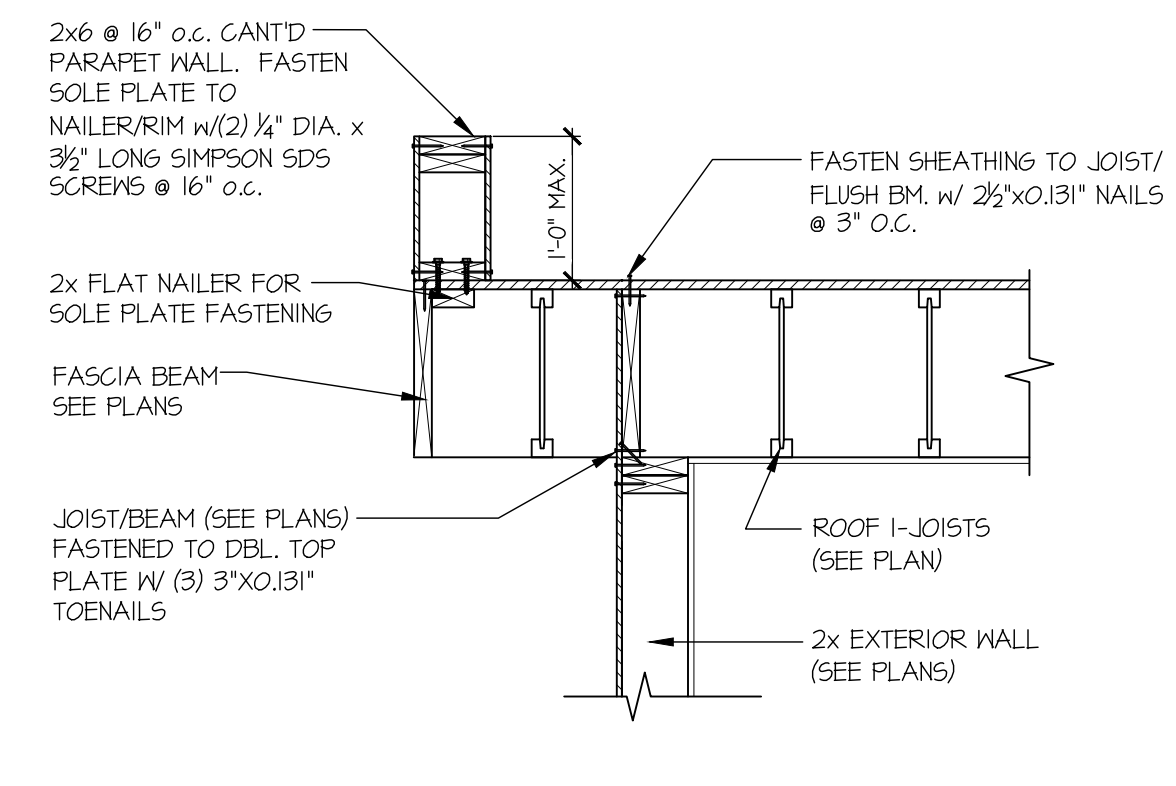
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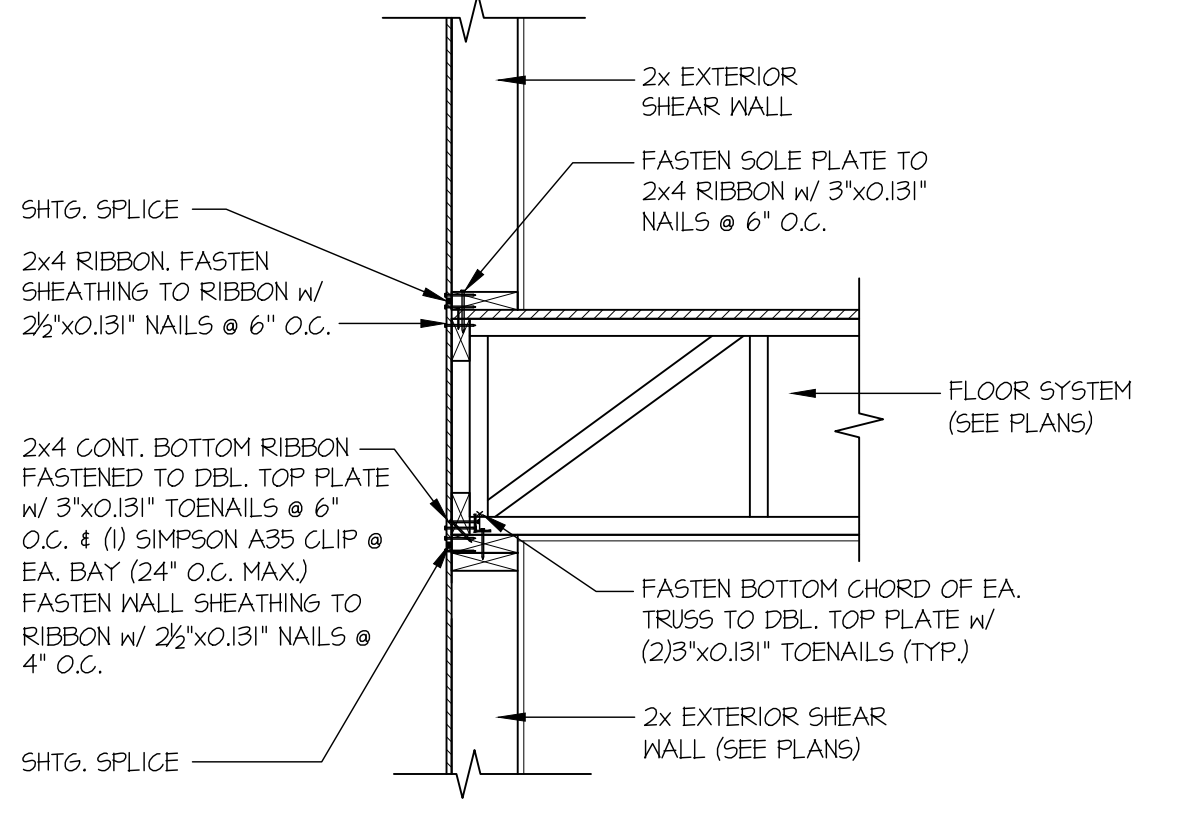
sheet:
SD-1



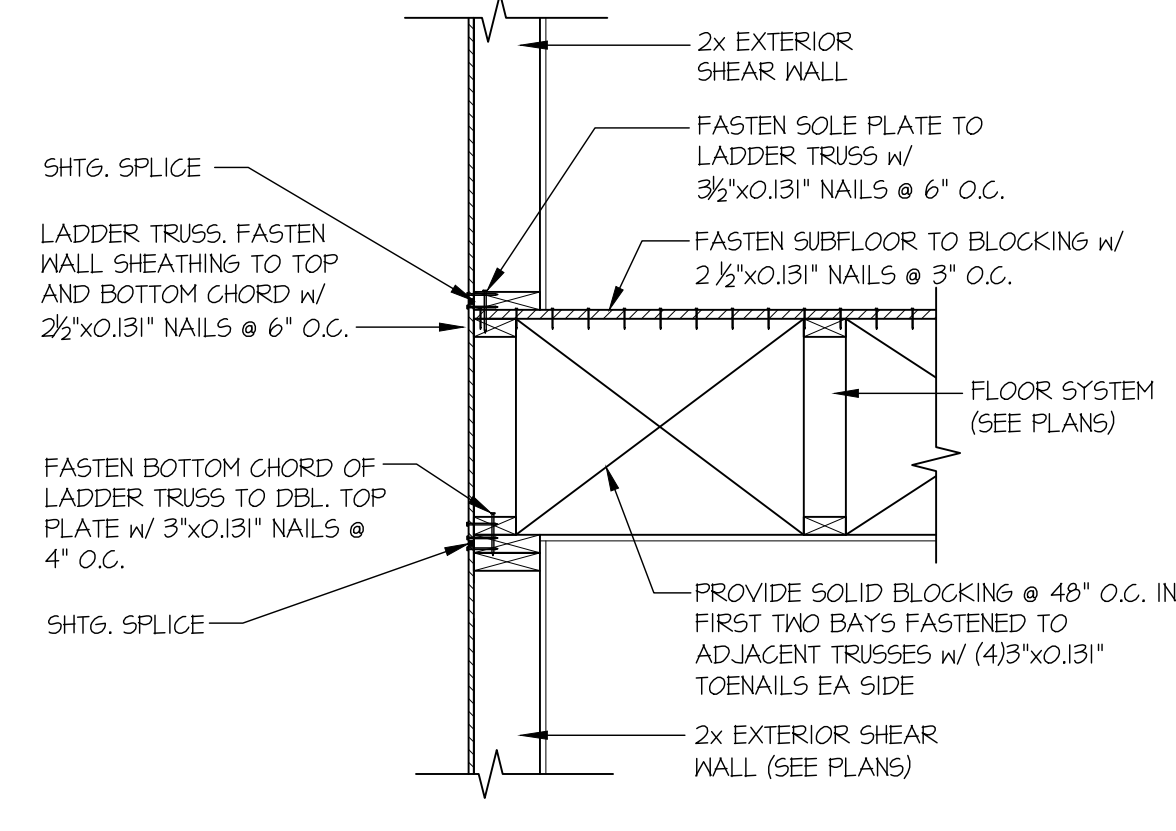
1 SECTION
SCALE: 3/4"=1'-0"



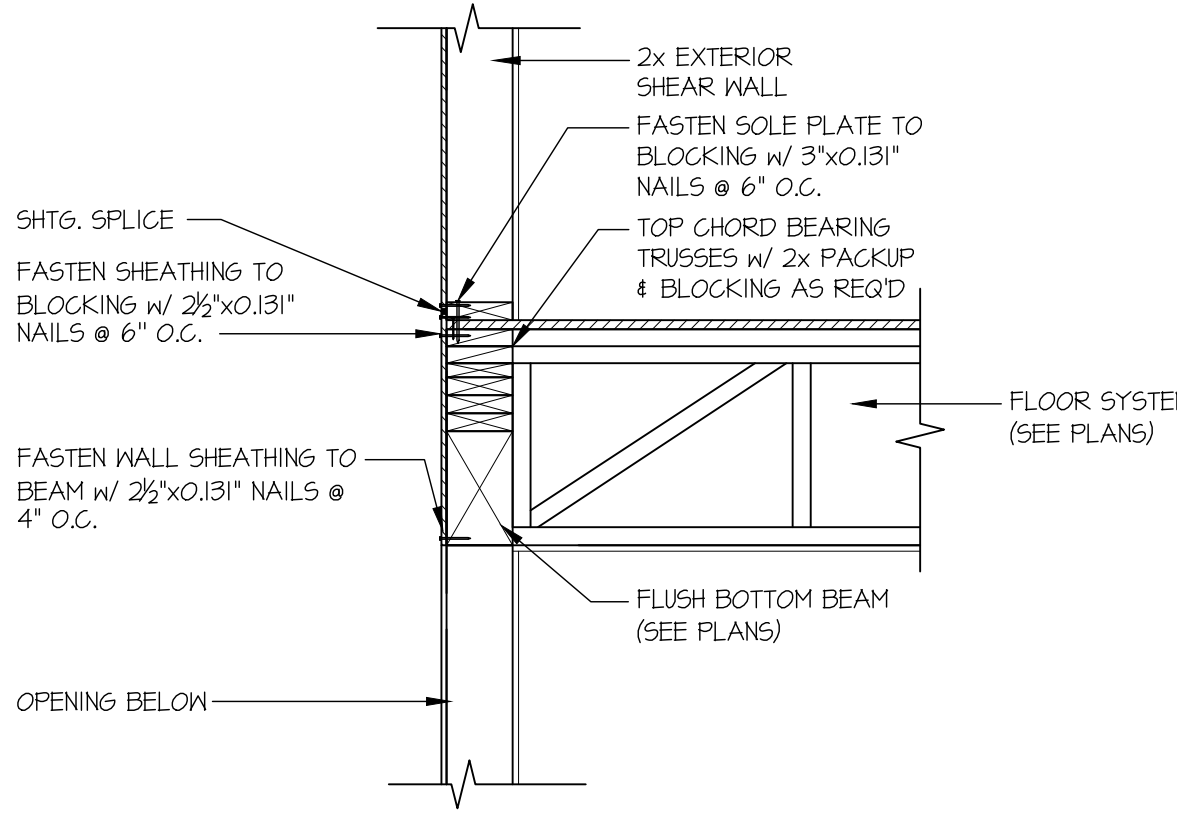
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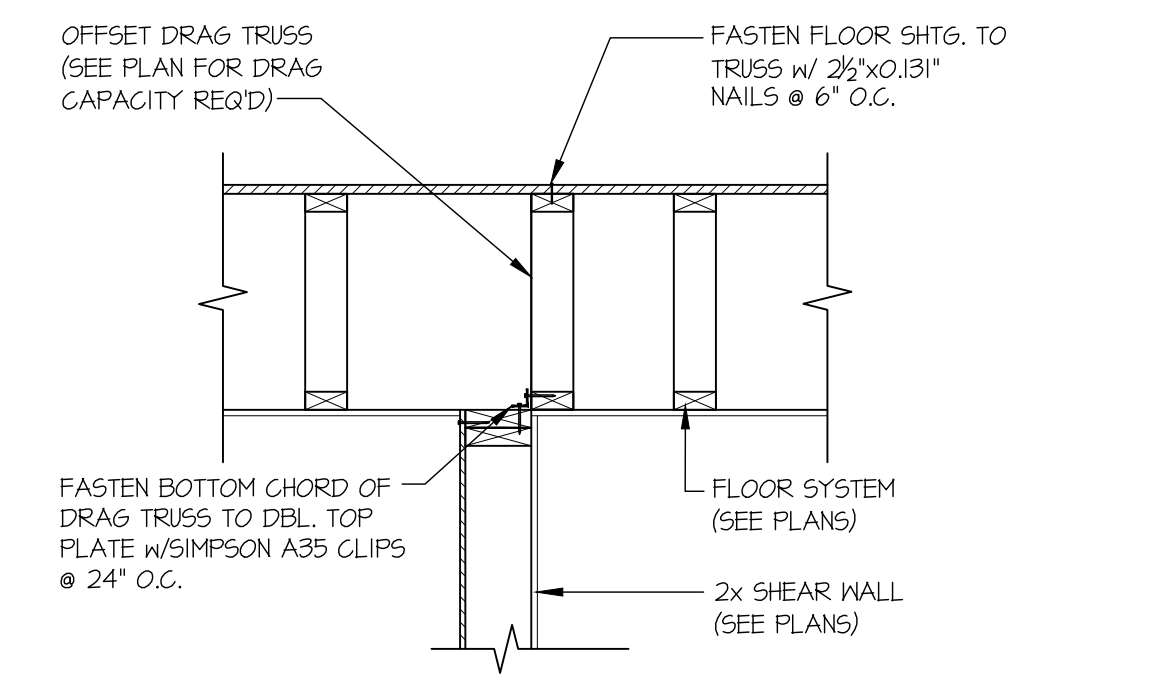
3 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



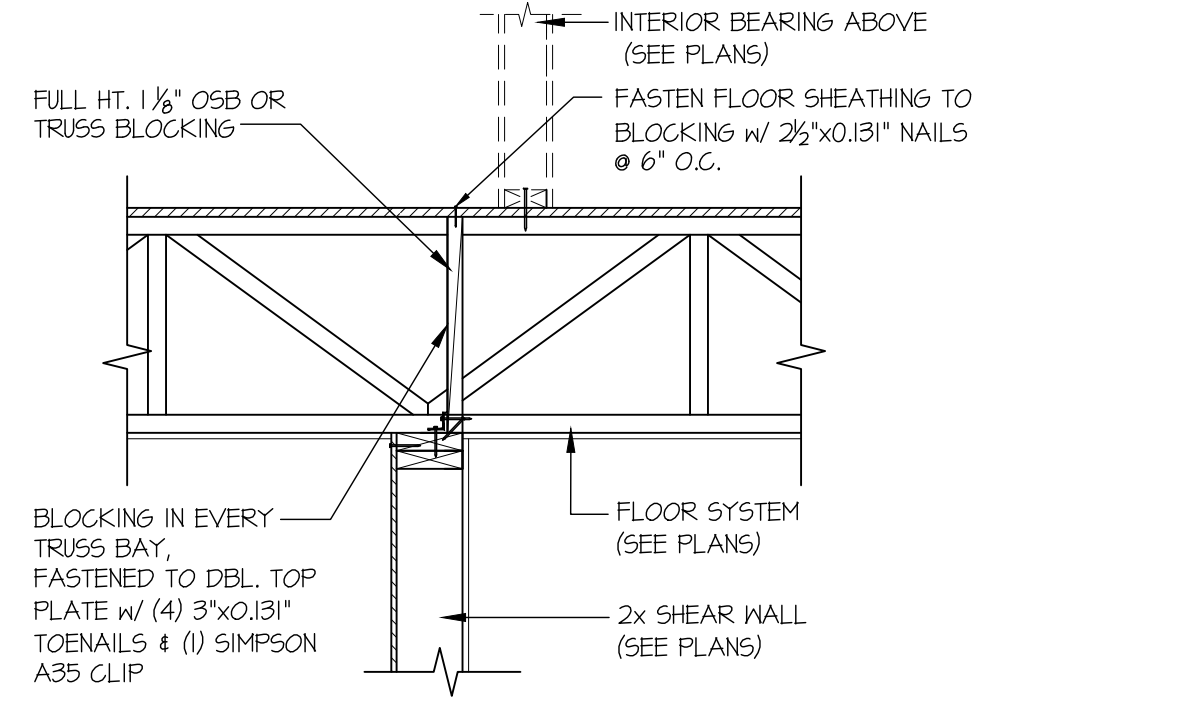
4 TYPICAL SHEAR TRANSFER DETAIL BETWEEN FLOORS @ EXTERIOR WALL
SCALE: 3/4"=1'-0" PARALLEL FRAMING



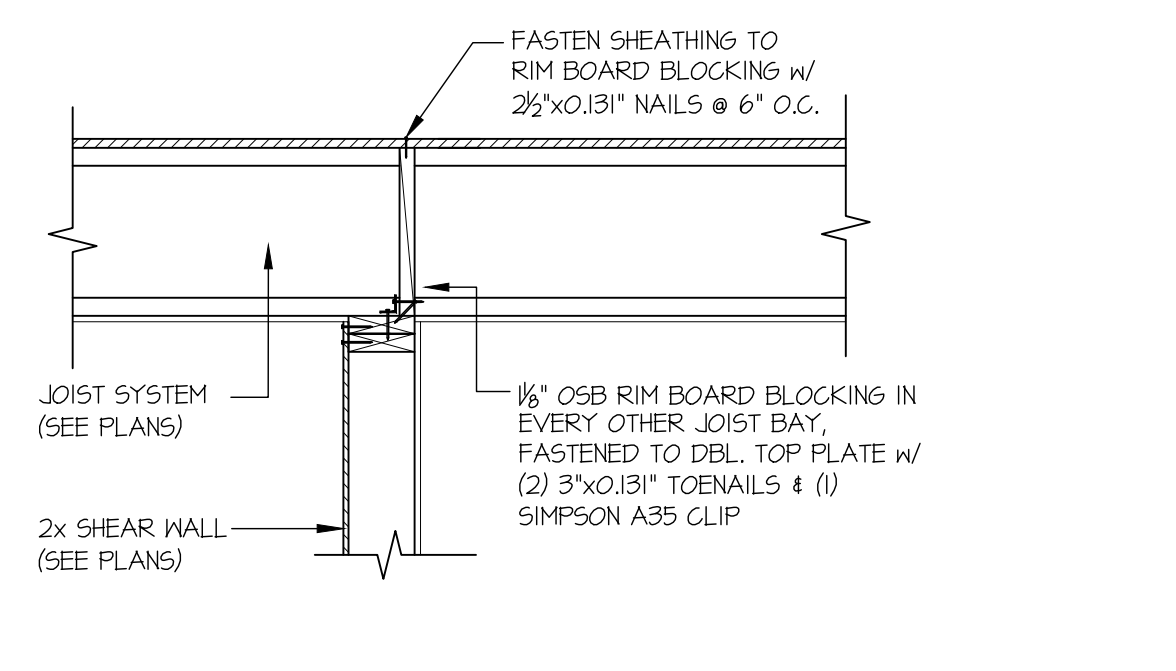
8 SECTION
SCALE: 3/4"=1'-0"



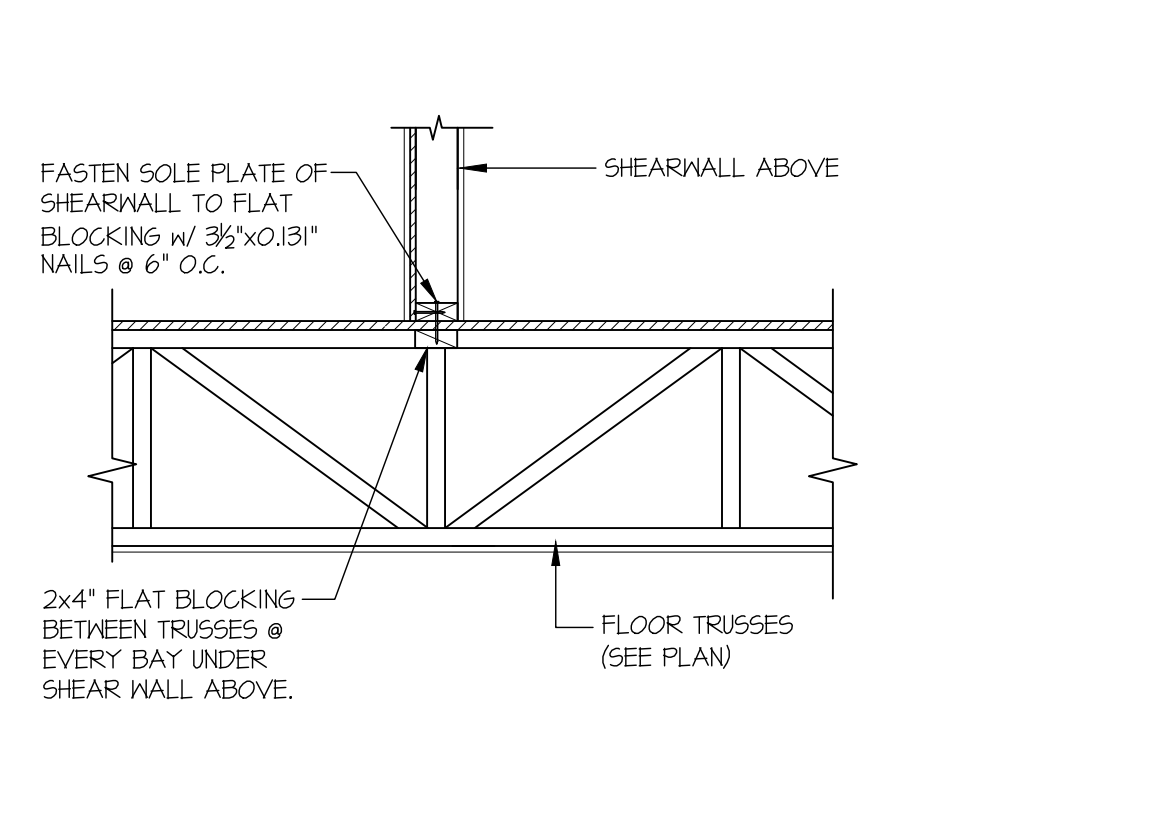
11 SHEAR TRANSFER DETAIL @ SHEAR WALL BELOW
SCALE: 3/4"=1'-0"



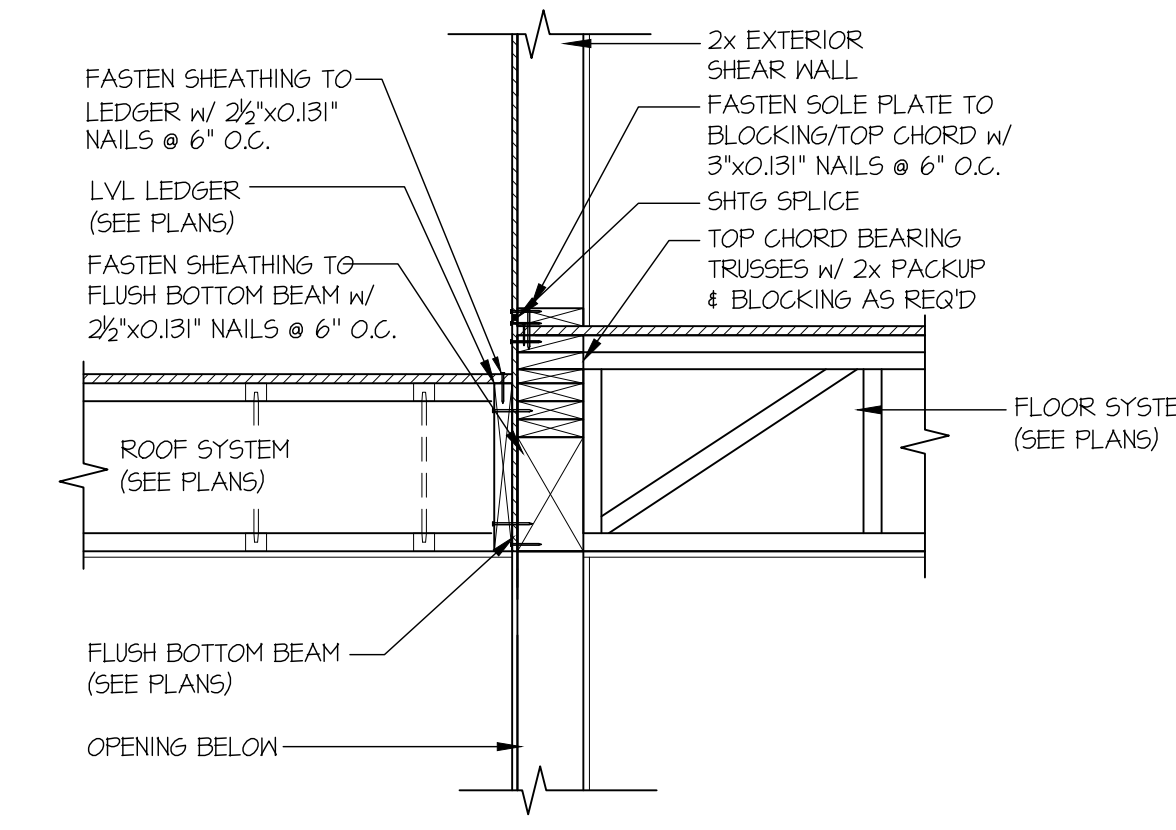
12 SHEAR TRANSFER DETAIL @ SHEAR WALL BELOW
SCALE: 3/4"=1'-0"



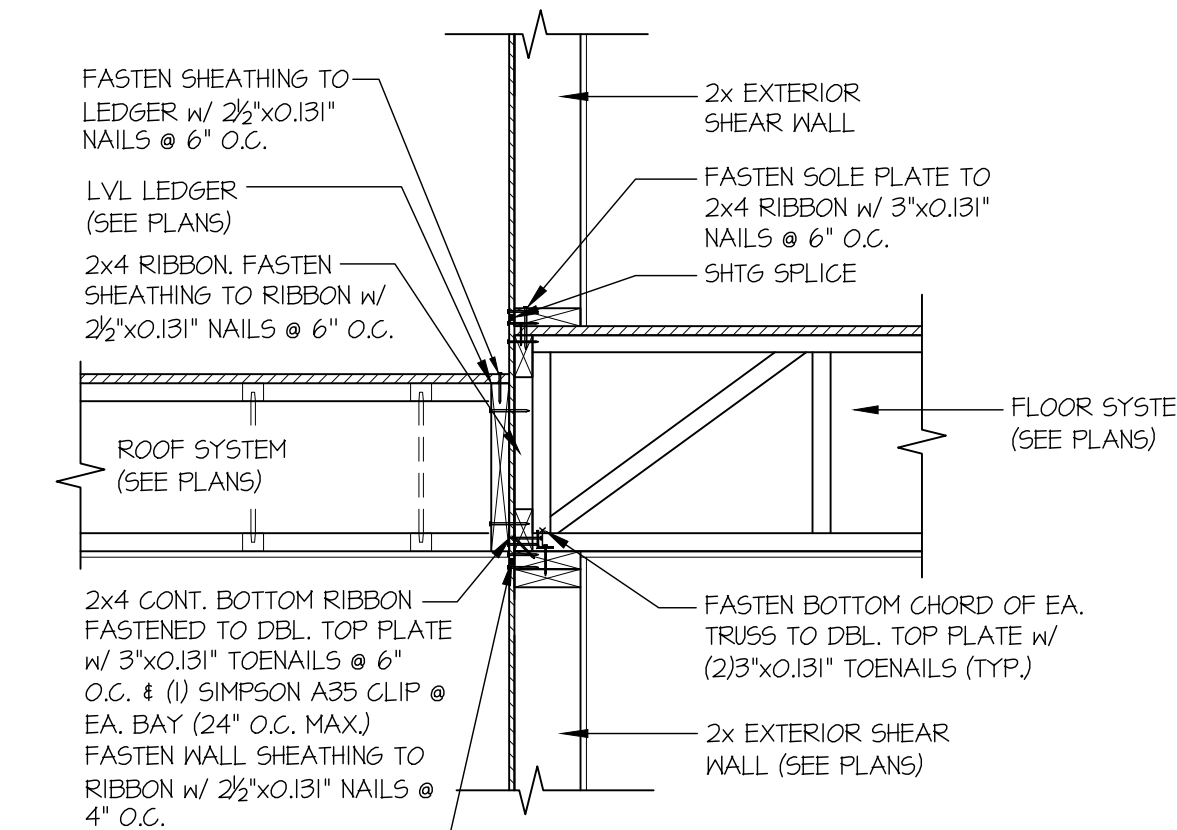
13 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: 3/4"=1'-0"



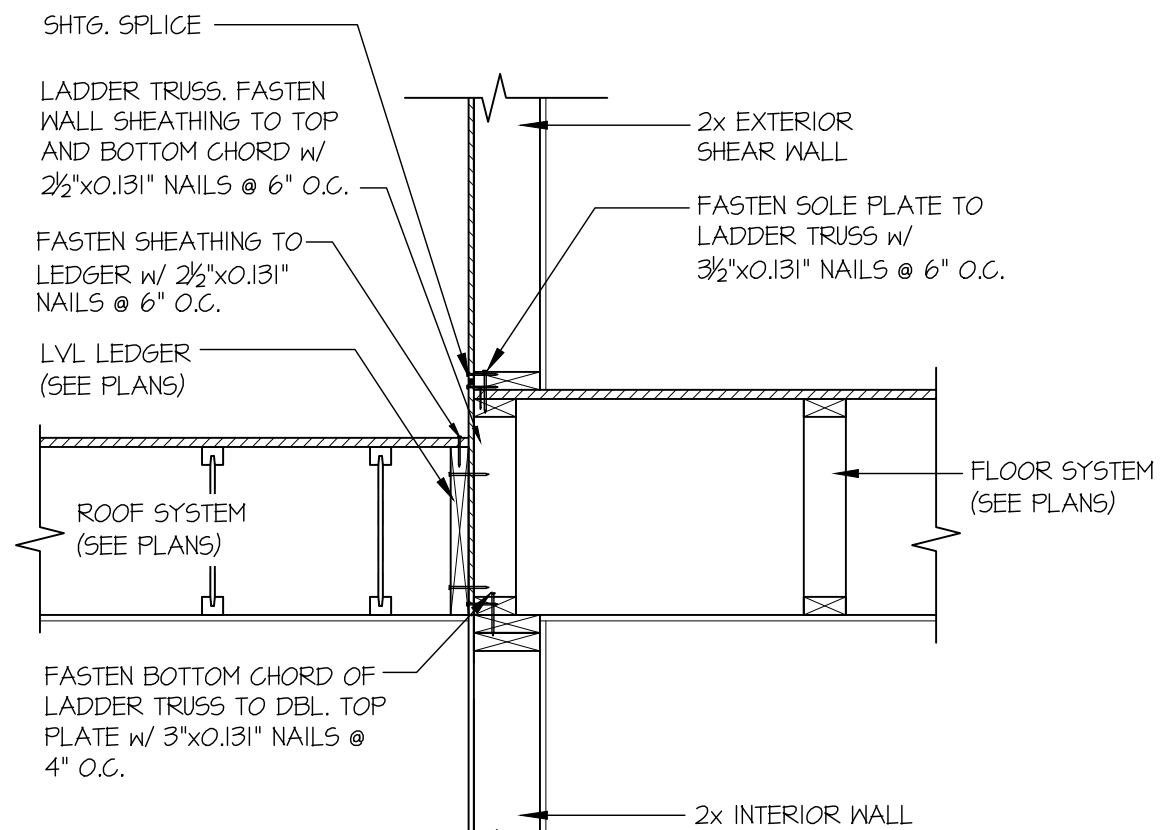
20 SHEAR TRANSFER DETAIL @ INTERIOR SHEAR WALL
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



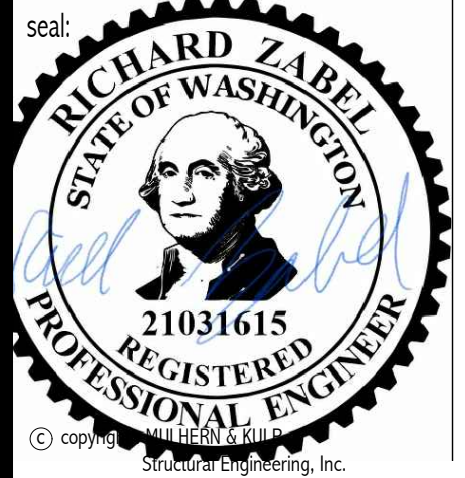
21 SECTION
SCALE: 3/4"=1'-0"



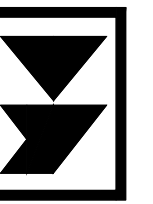
22 SECTION
SCALE: 3/4"=1'-0"



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



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M&K project number:
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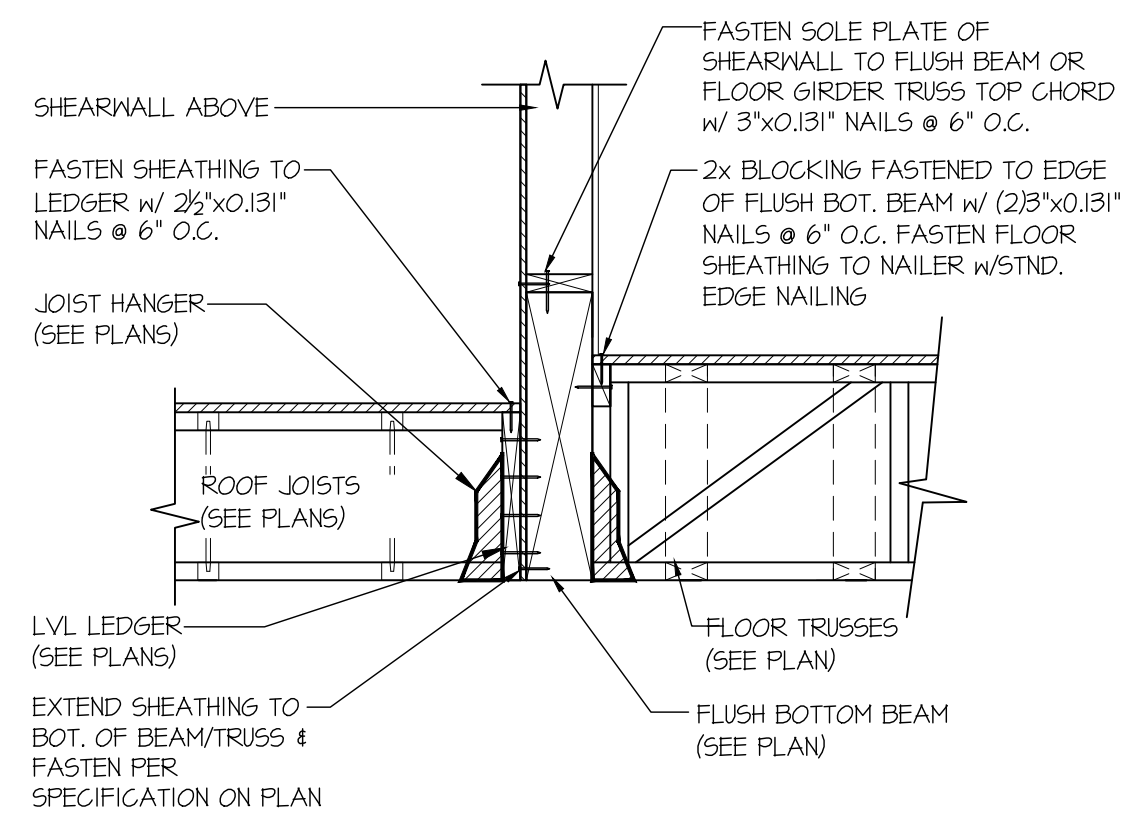
project mgr: R.JZ
drawn by: JCL
issue date: 05-20-22

REVISIONS:
date: initial:

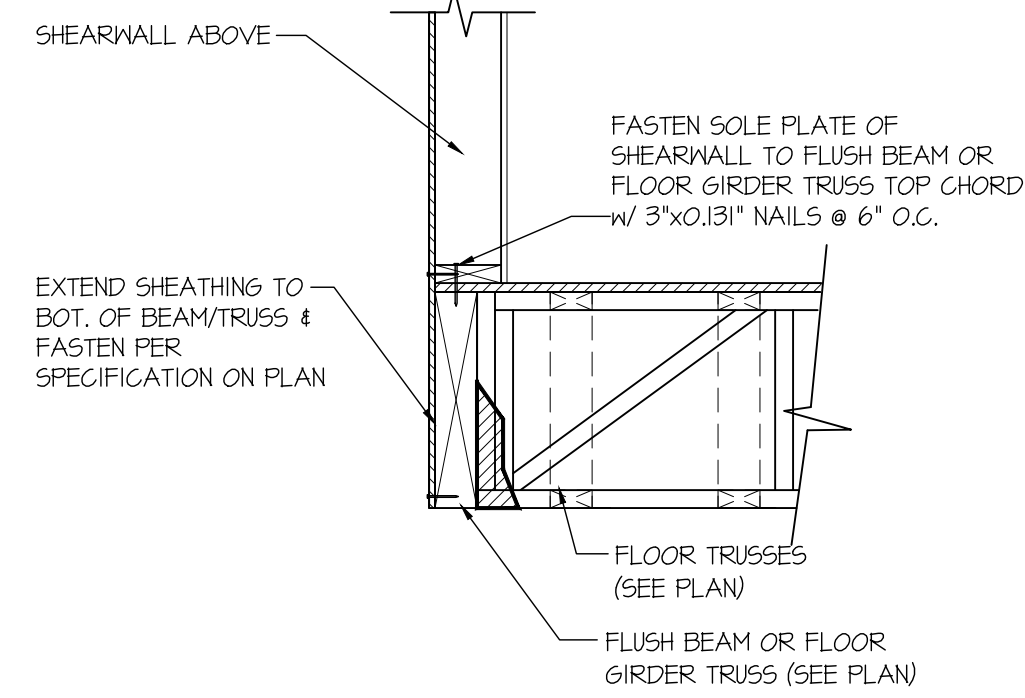
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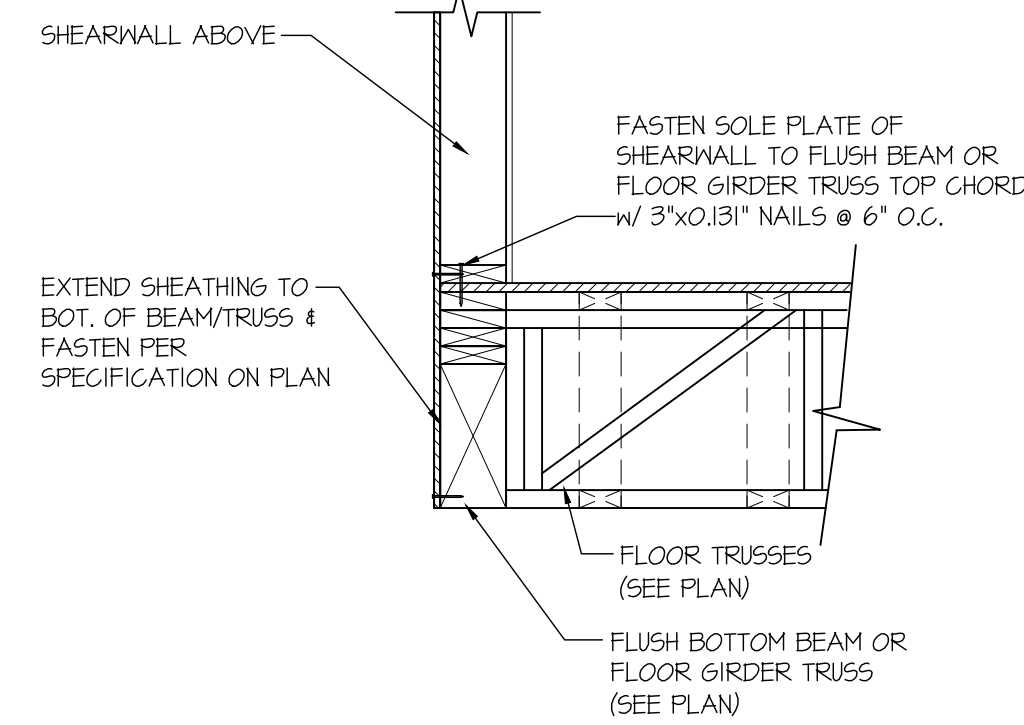
sheet:
SD-2



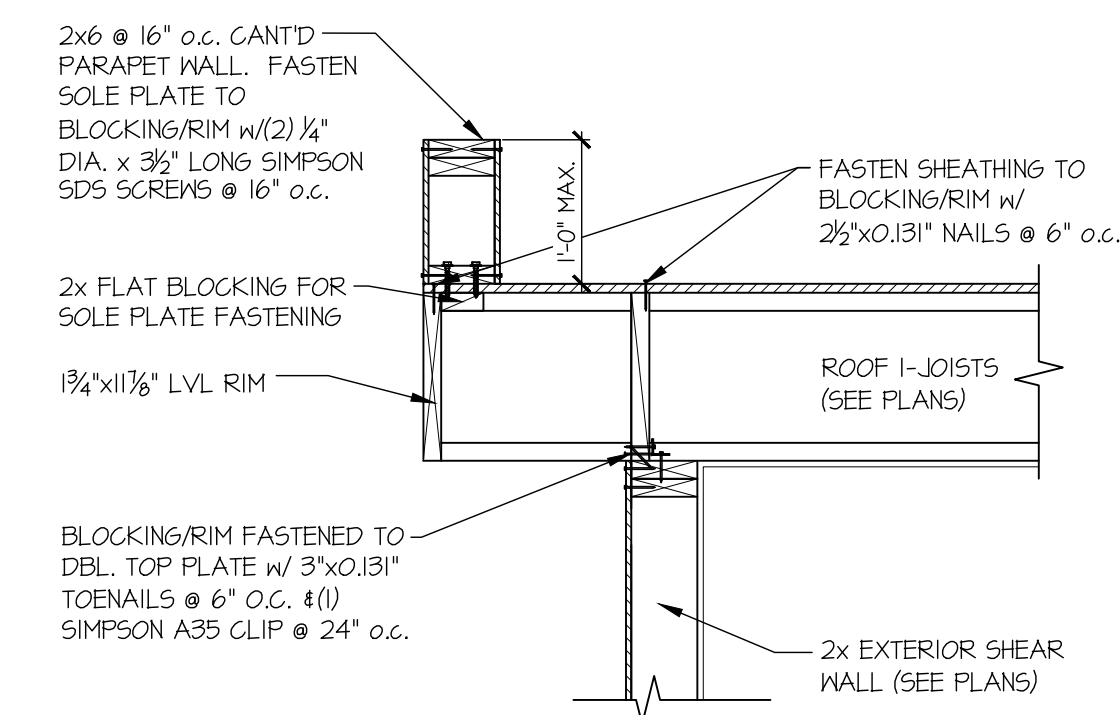
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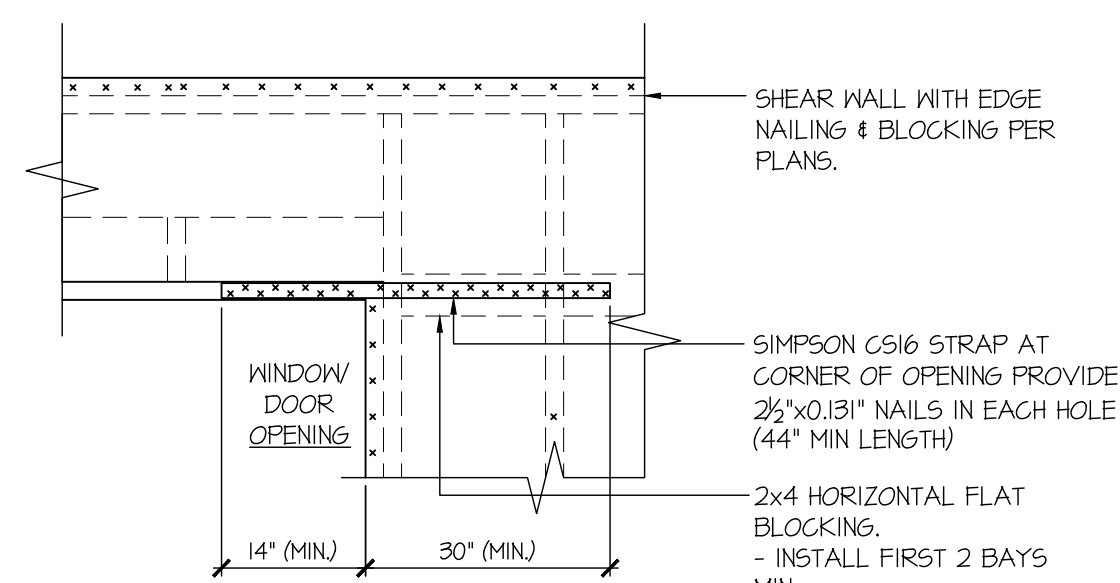
35 SECTION
SCALE: 3/4"=1'-0"



36 SECTION
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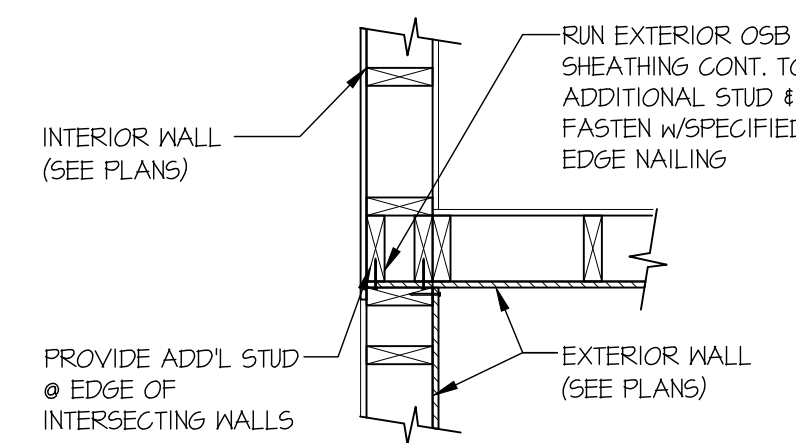


40 SECTION
SCALE: 3/4"=1'-0"

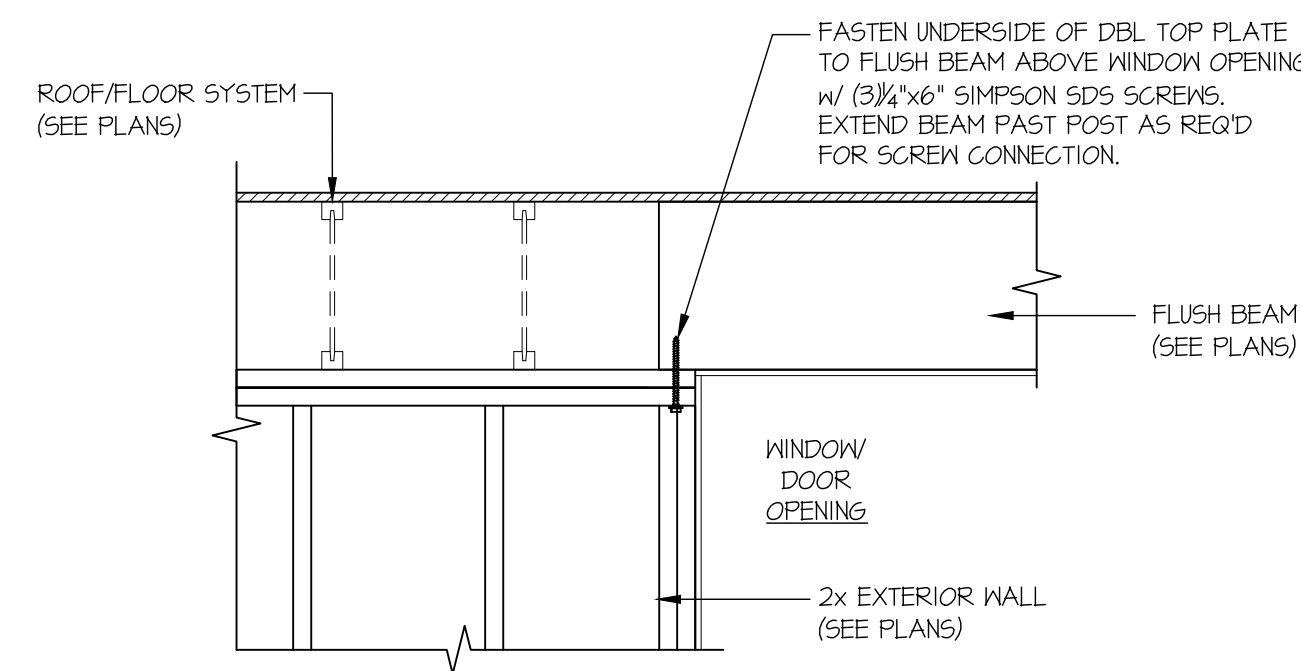


- DETAIL SIMILAR AT BOTTOM CORNERS OF WINDOWS.
- ONLY REQUIRED WHERE SPECIFIED ON STRUCTURAL PLANS
- IF MIN LENGTH IS NOT PROVIDED RUN STRAP TO END OF WALL

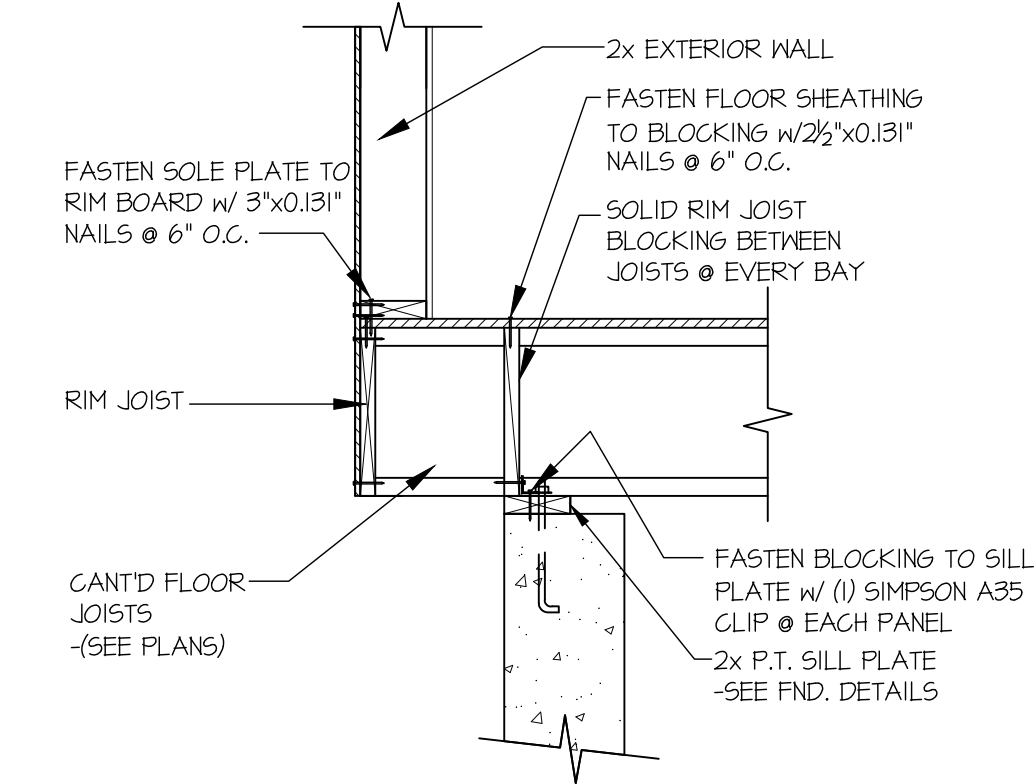
94 EXT. WALL & INT. SHEARWALL OPENING ELEVATION
SCALE: NTS



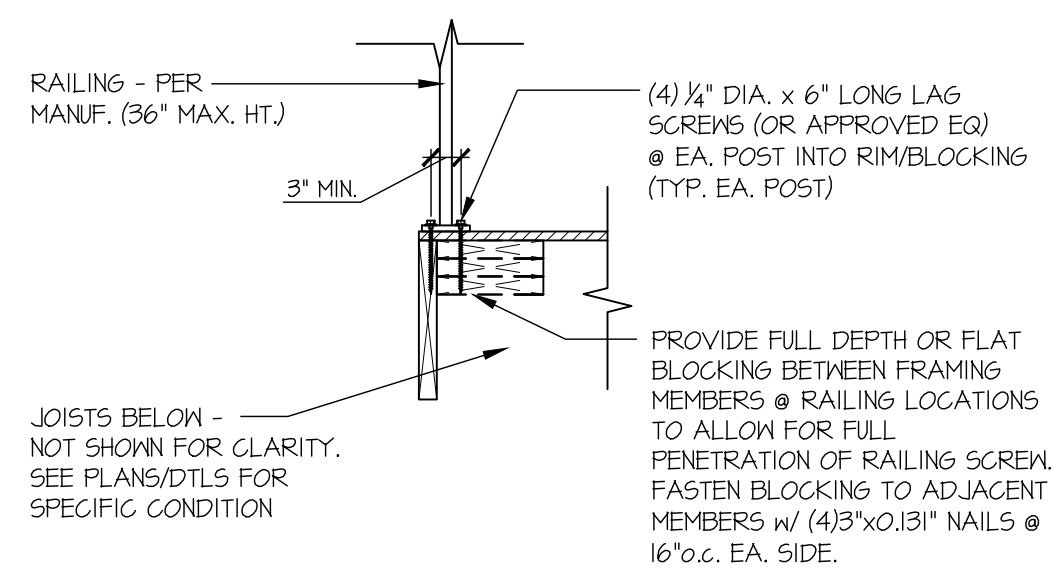
99 SHEAR TRANSFER DETAIL @ INTERSECTING INT. SHEARWALL
SCALE: 3/4"=1'-0" SHTS. OPPOSITE PAGES



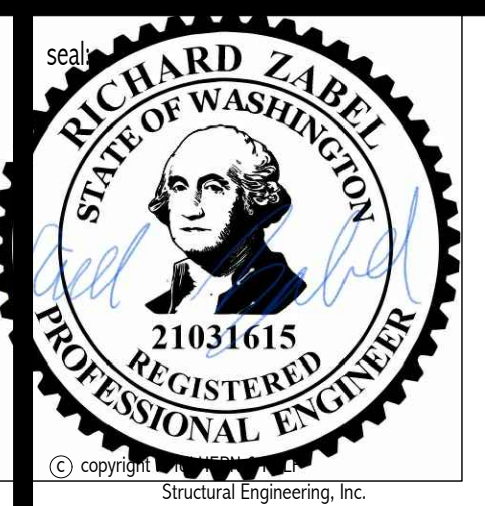
00 FLUSH HDR CONNECTION @ ROOF
SCALE: 3/4"=1'-0"



110 SHEAR TRANSFER DETAIL @ CANT'D EXTERIOR WALL
SCALE: 3/4"=1'-0"



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



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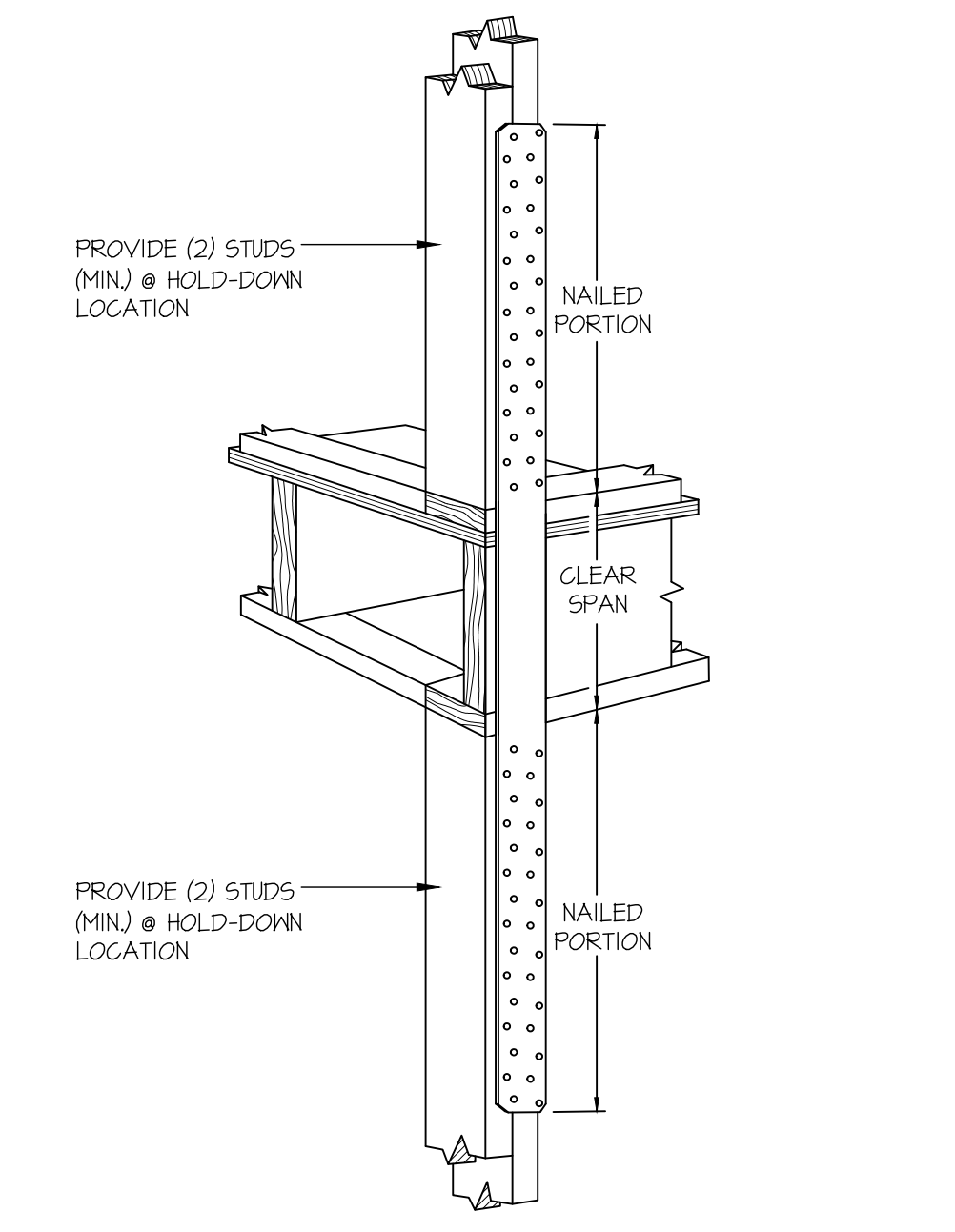
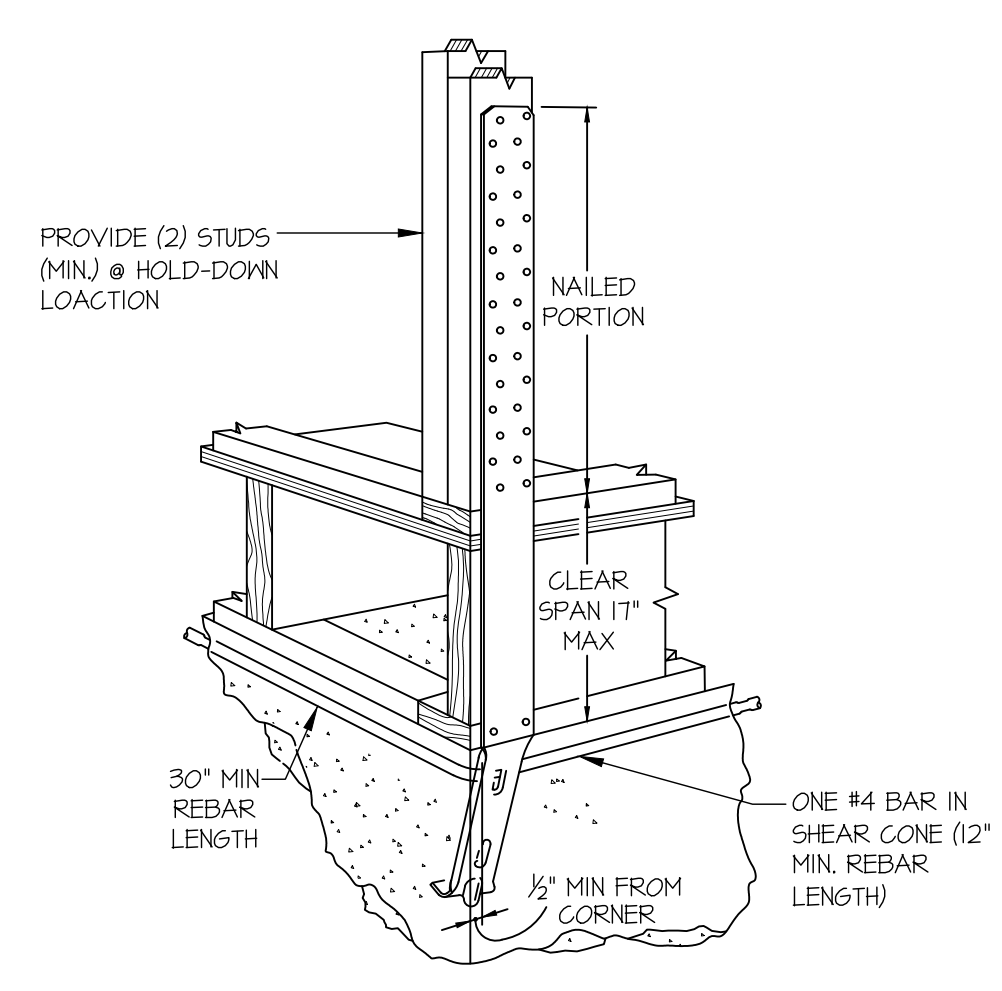
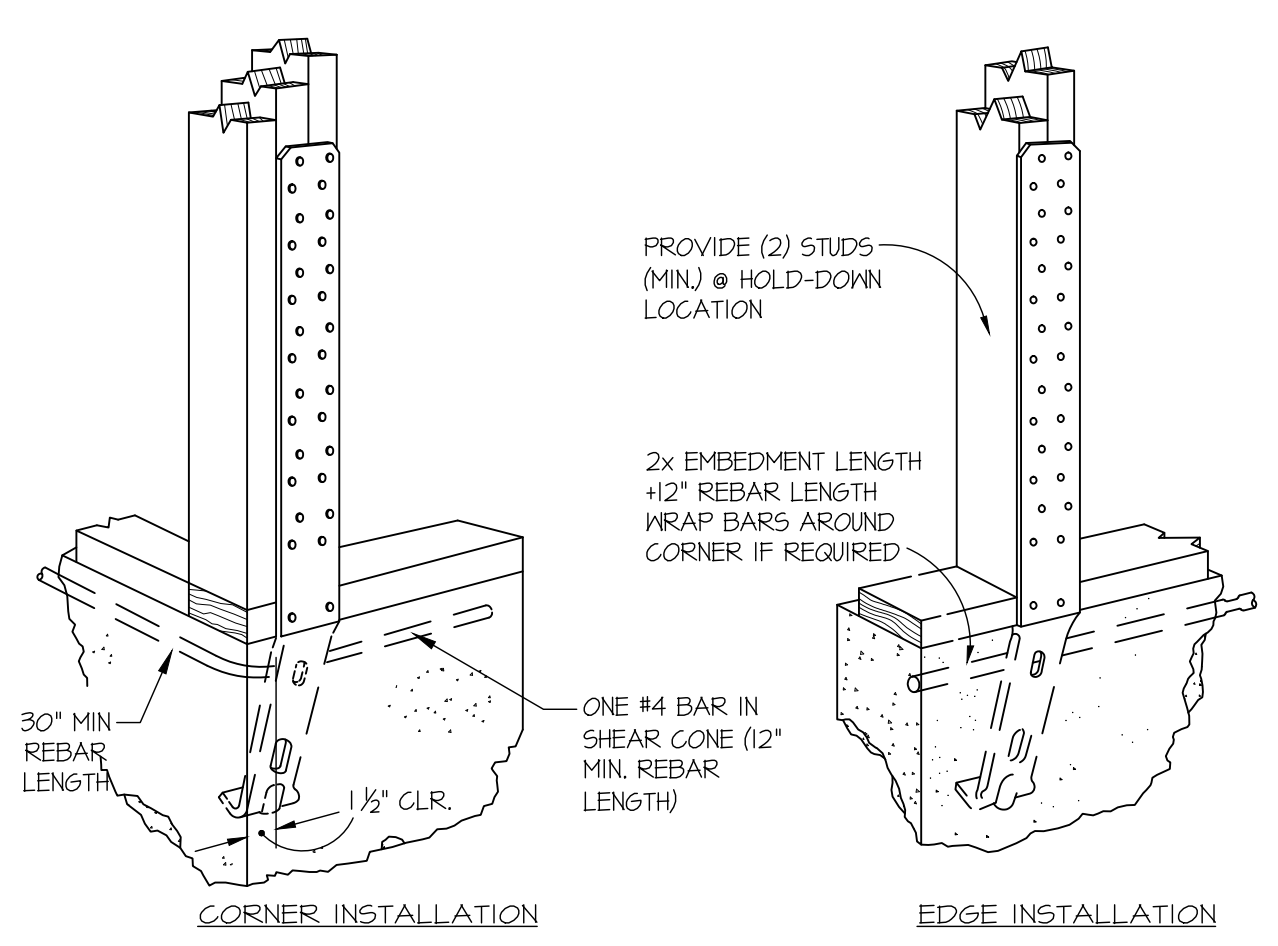
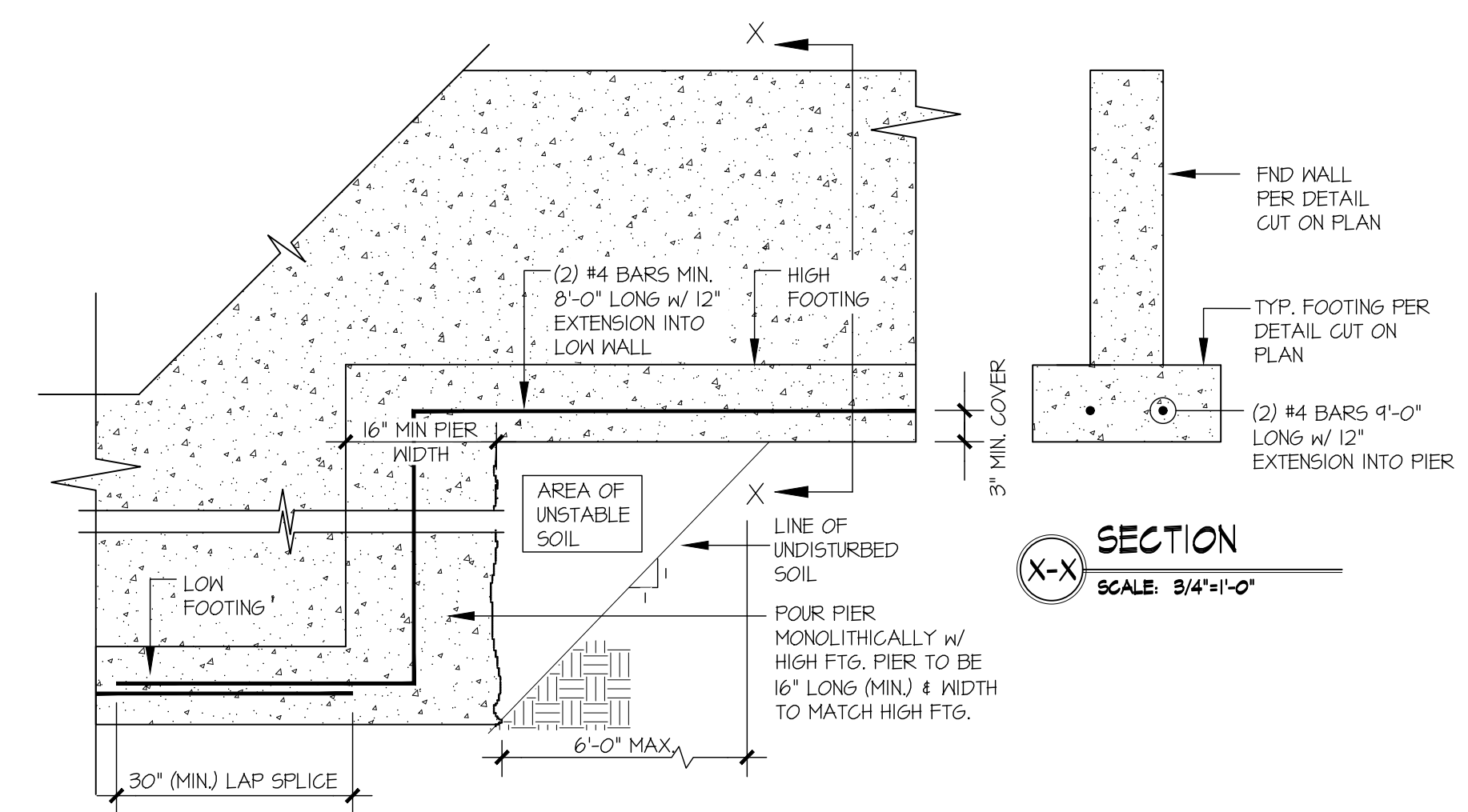
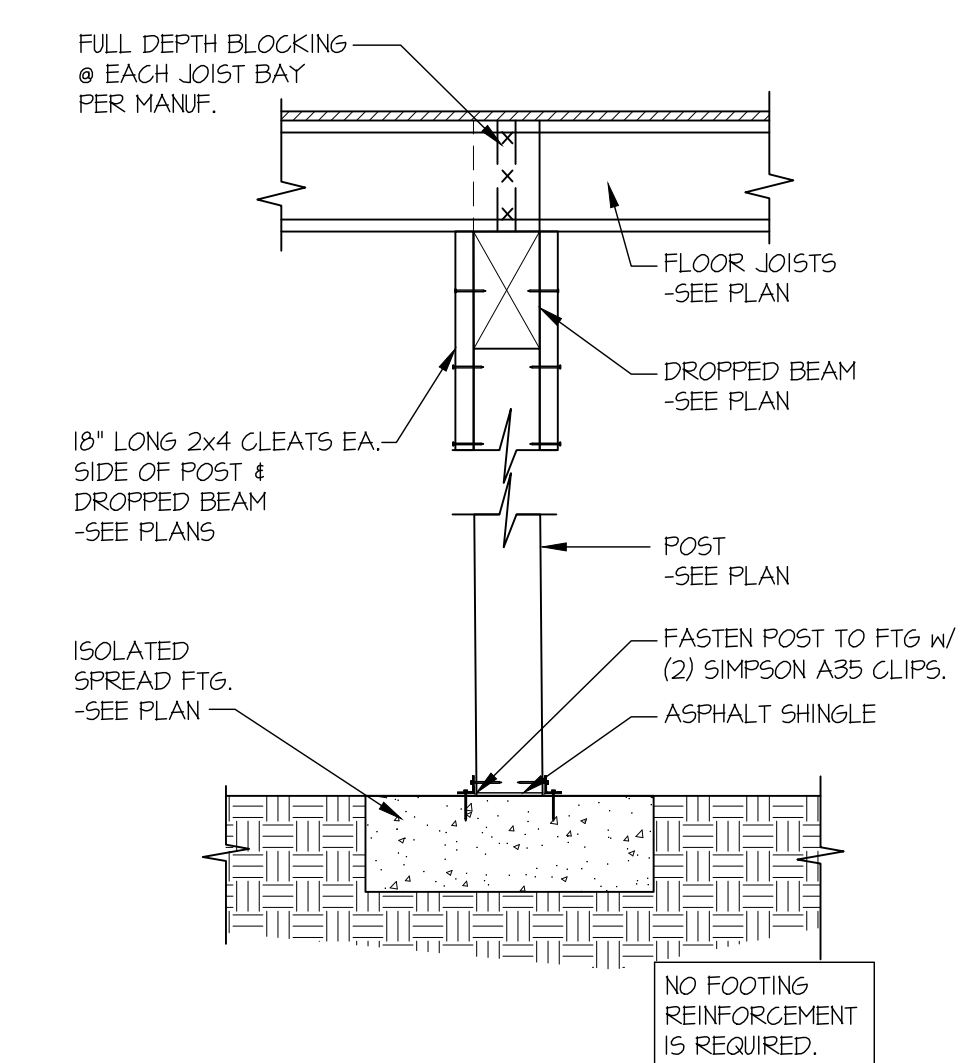
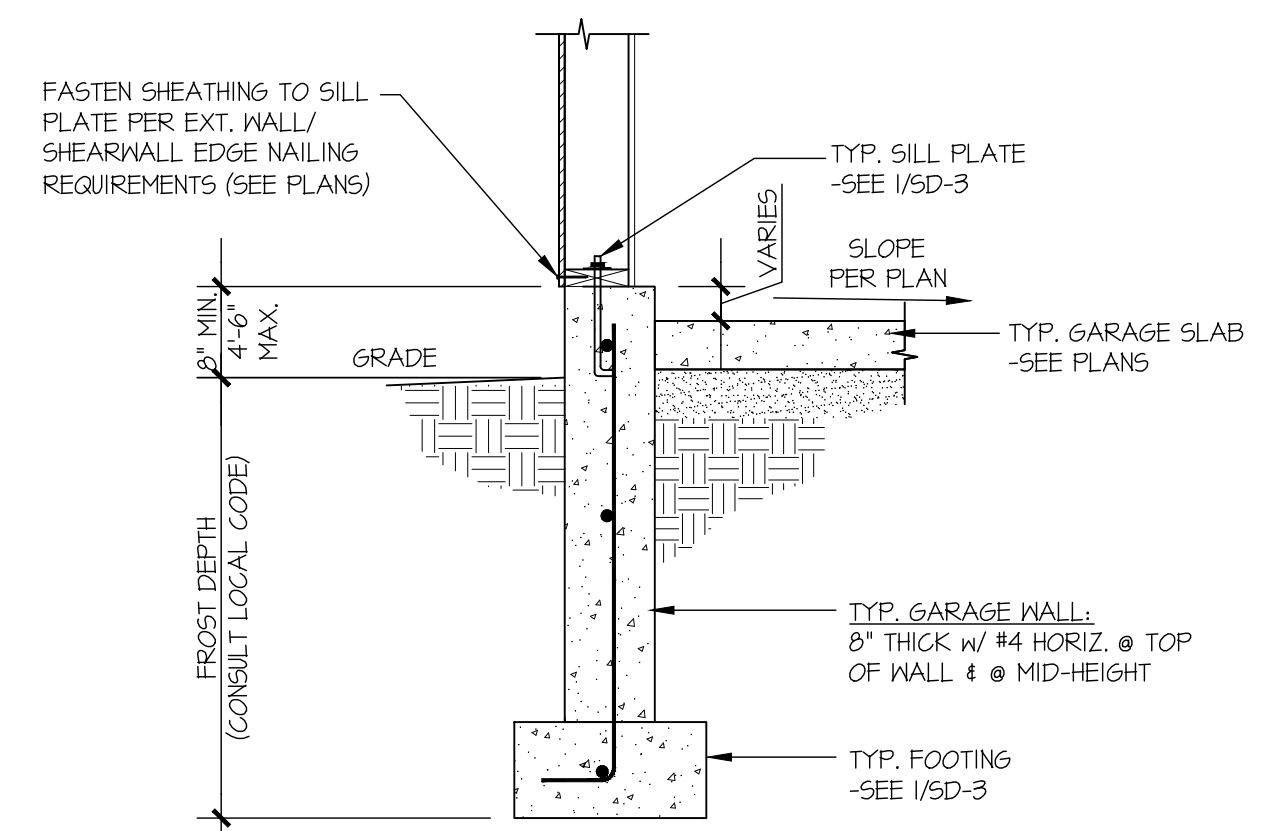
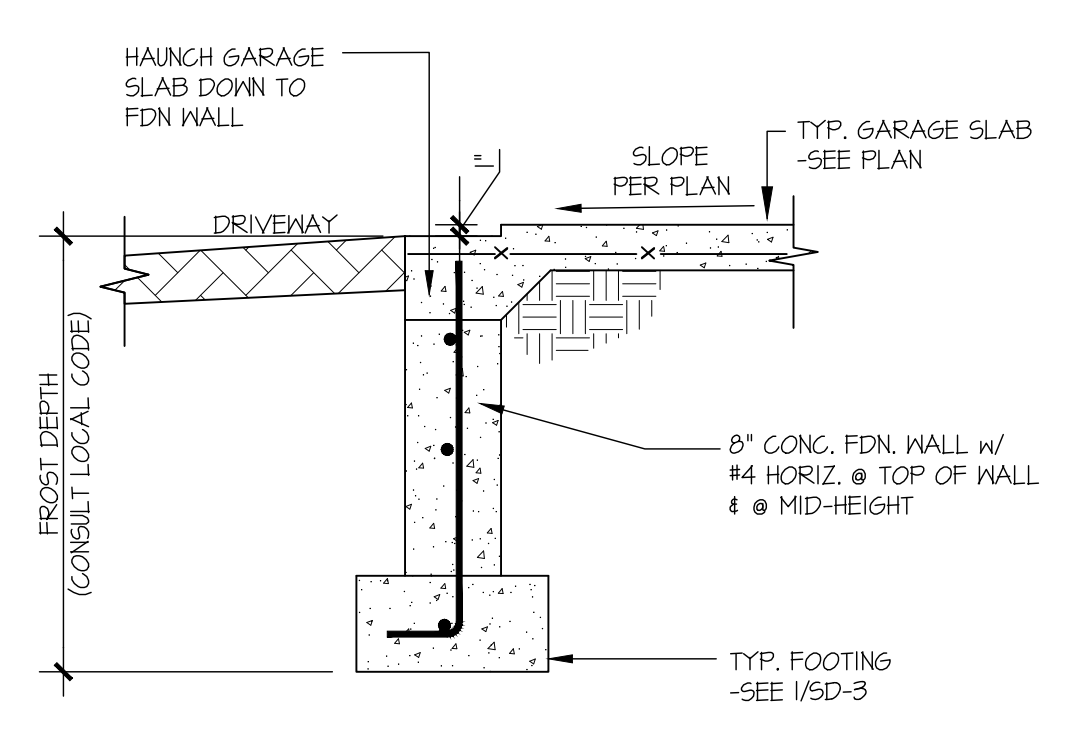
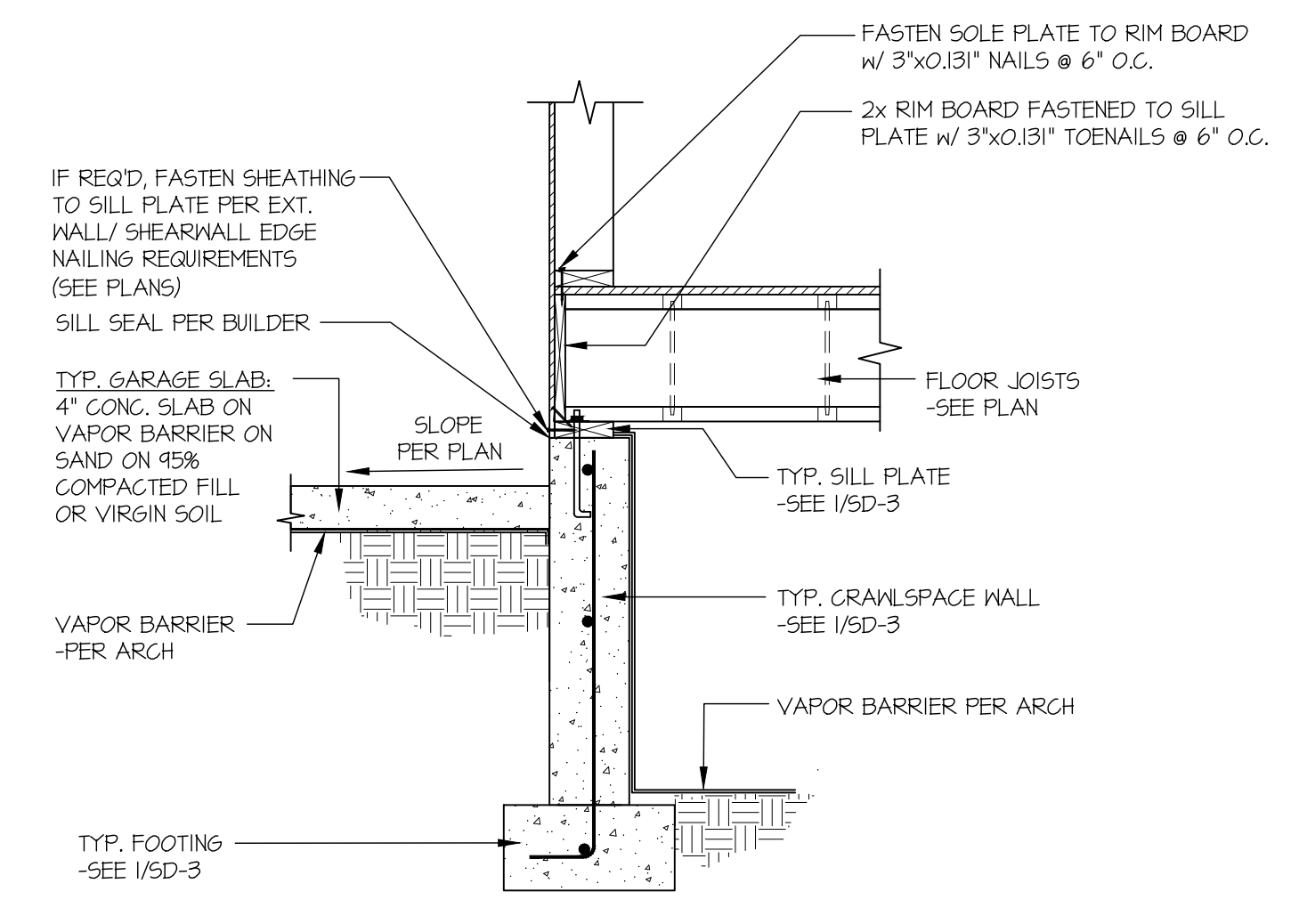
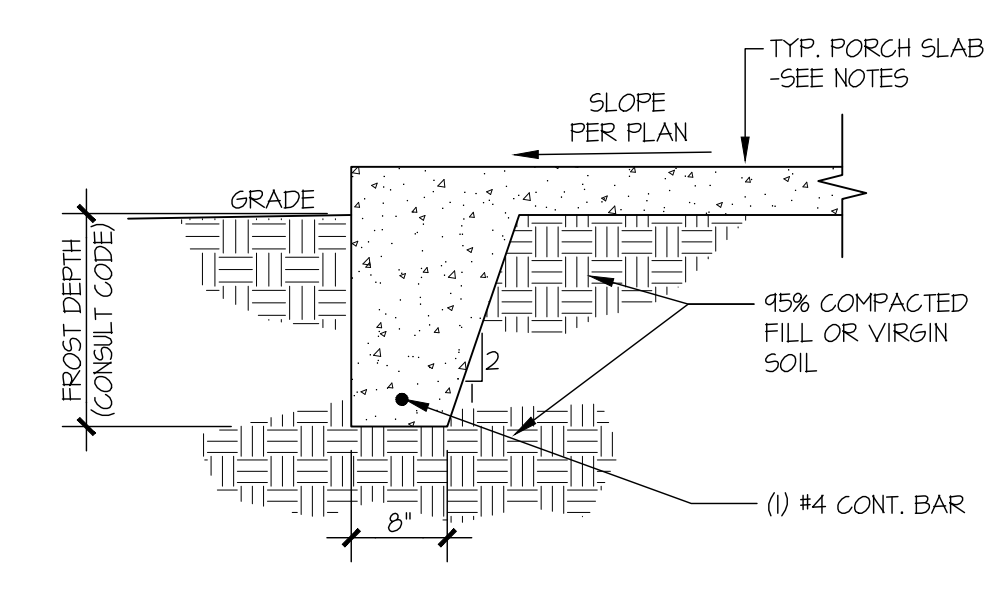
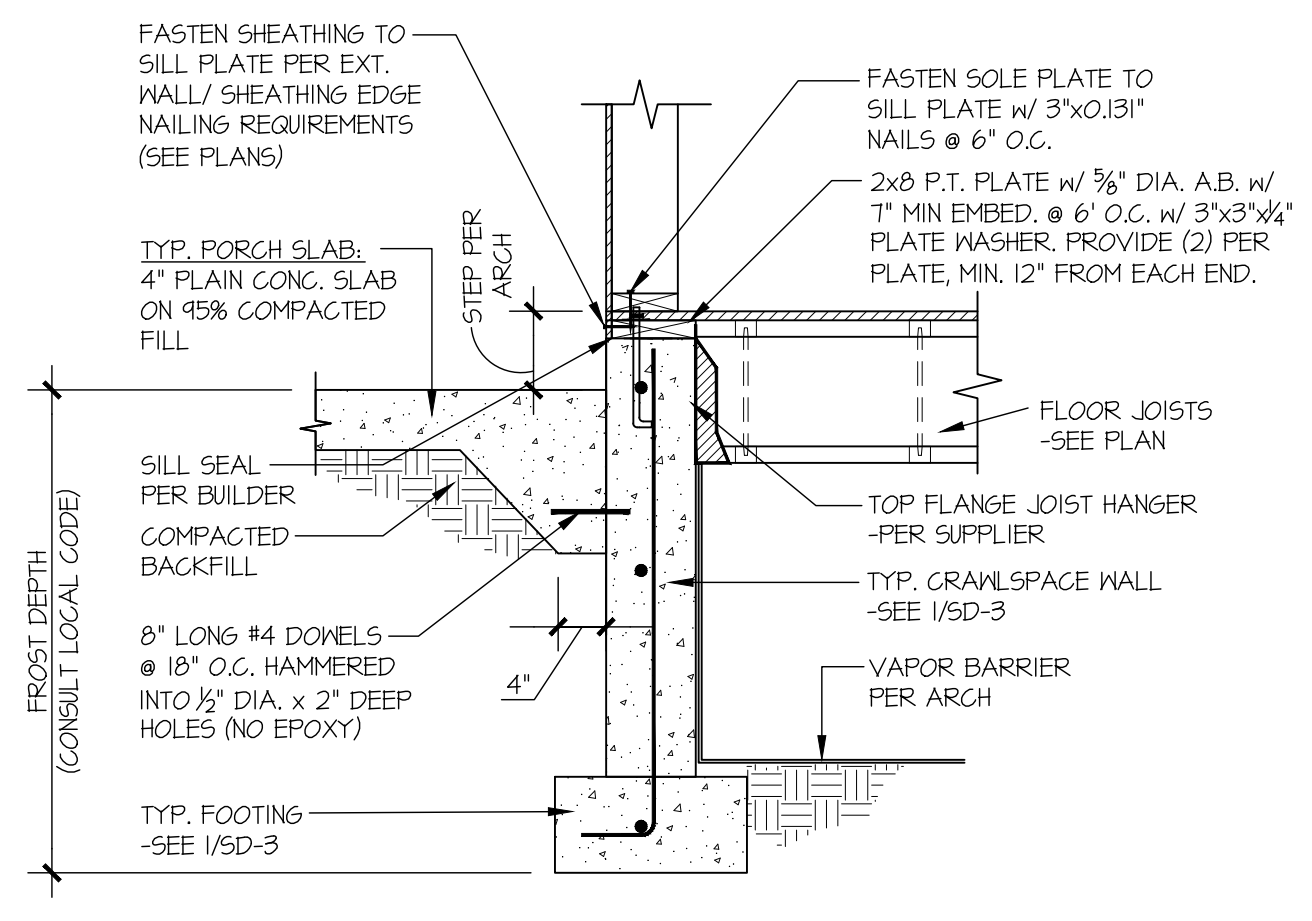
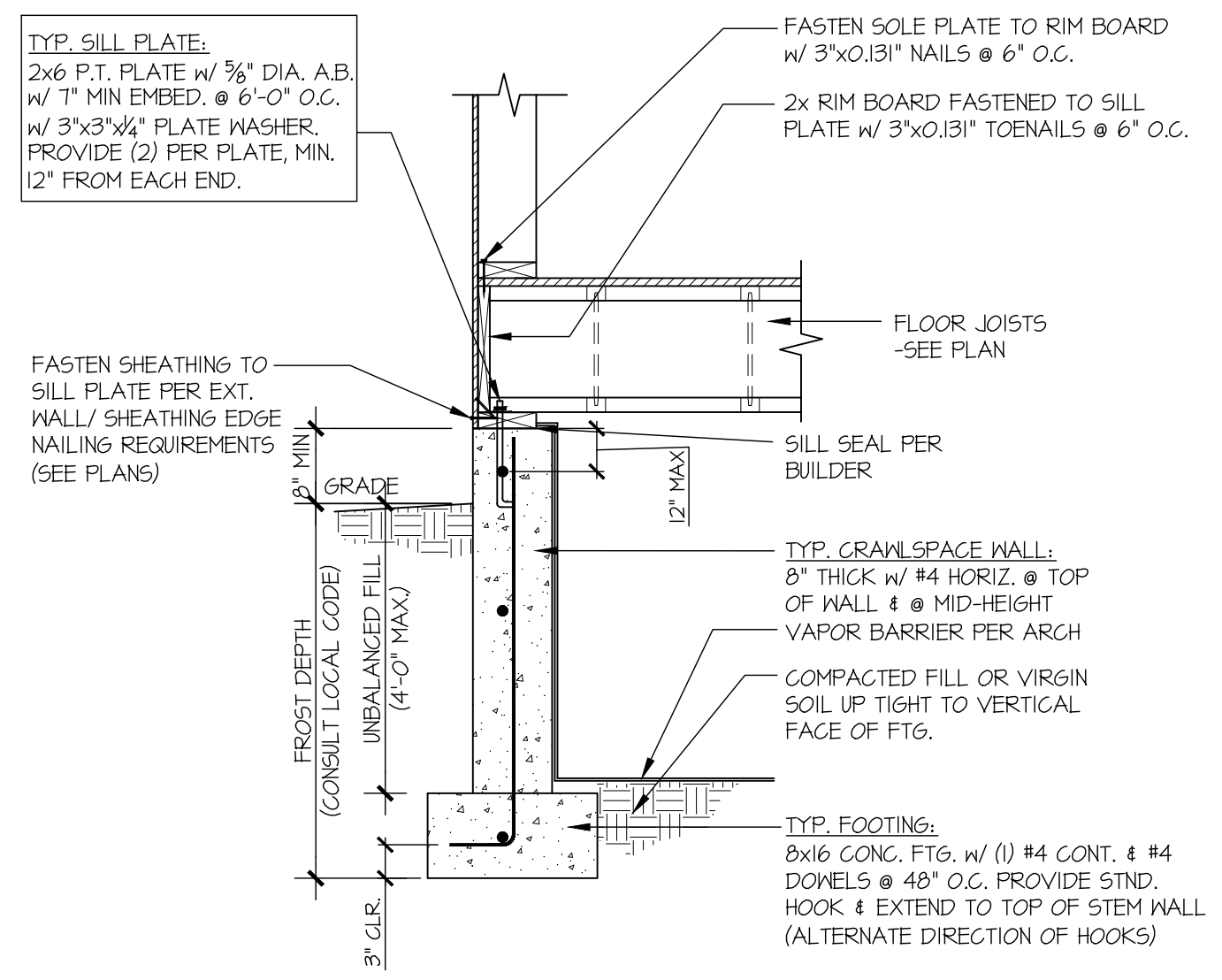
project mgr: R.JZ
drawn by: JCL
issue date: 05-20-22

REVISIONS:
date: initial:

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FOUNDATION DETAILS
BLA 86TH AVE SE
MERCER ISLAND, WASHINGTON

sheet:
SD-3



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