

LEGEND

- FOUND MONUMENT IN CASE
- FOUND REBAR AS DESCRIBED
- ⊗ SET MAG NAIL AS DESCRIBED
- ☒ MAILBOX
- ⊕ POWER METER
- ⊙ UTILITY POLE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ WATER VALVE
- ⊙ FIRE HYDRANT
- ⊙ WATER METER
- ⊙ SIGN
- SS — APPROXIMATE LOCATION SANITARY SEWER LINE
- SD — APPROXIMATE LOCATION STORM DRAIN LINE
- W — APPROXIMATE LOCATION UNDERGROUND WATER LINE
- OHP — OVERHEAD POWER
- ☒ CATCH BASIN
- ☐ WOOD FENCE
- ▬ CONCRETE WALL
- ⊕ ROCKERY
- ▬ ASPHALT SURFACE
- ▬ CONCRETE SURFACE
- DS DECIDUOUS
- FR FRUIT
- * INDICATES MULTI-TRUNK

LEGAL DESCRIPTION

LOT 24, LUCAS HILL DIVISION NO. 5, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 61 OF PLATS, PAGE 100, RECORDS OF KING COUNTY, WASHINGTON;
SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARINGS

RECORD OF SURVEY BY NORTH POINTE SURVEYING, INC. FOR WILLIAM SIMMONS, AS RECORDED ON NOVEMBER 30, 2004, IN VOLUME 179 OF SURVEYS, PAGES 223 AND 224, UNDER RECORDING NO. 2004113090003, RECORDS OF KING COUNTY, WASHINGTON.

PROJECT INFORMATION

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

PROPERTY OWNER: CORINNE ISRAEL
8005 SE 34TH PLACE
MERCER ISLAND, WA 98040

TAX PARCEL NUMBER: 445930-0240

PROJECT ADDRESS: 8005 SE 34TH PLACE
MERCER ISLAND, WA 98040

ZONING: R-8.4

JURISDICTION: CITY OF MERCER ISLAND

PARCEL ACREAGE: 9,963 S.F. (0.228 ACRES) AS SURVEYED

GENERAL NOTES

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

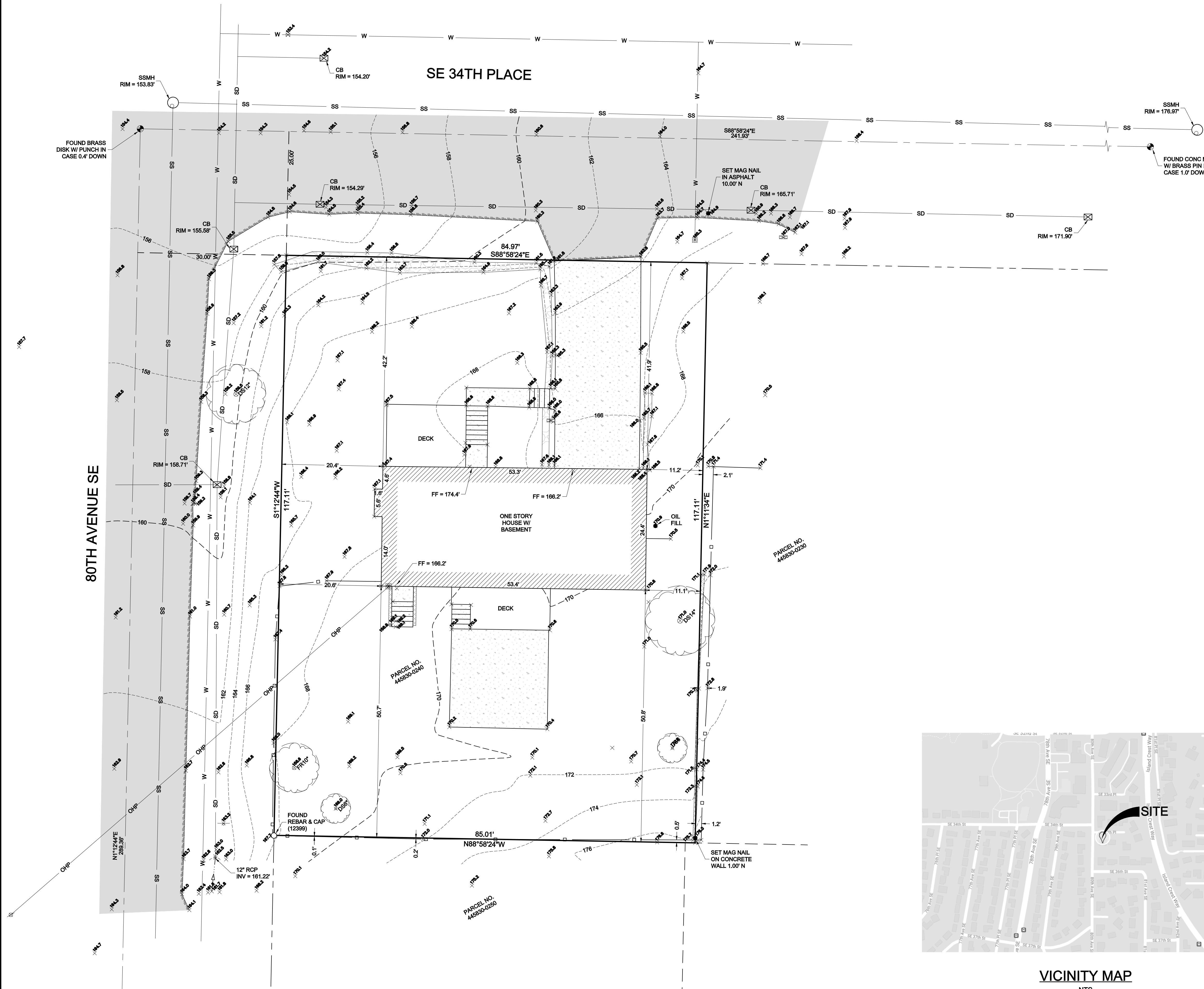
VERTICAL DATUM & CONTOUR INTERVAL

ELEVATIONS SHOWN ON THIS DRAWING WERE DERIVED FROM INFORMATION PROVIDED BY WCCS SURVEY CONTROL DATABASE.

THE MARK IS A BRASS CAP IN CONCRETE MONUMENT IN CASE AT THE INTERSECTION OF SE 34TH PLACE AND 80TH AVENUE SE.

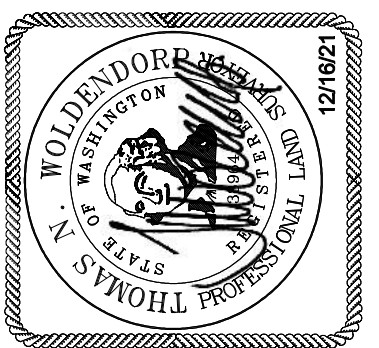
POINT ID NO. 520;
ELEVATION: 153.895 FEET (46.896 METERS) NAVD 83

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



VICINITY MAP
NTS

NE 1/4, SE 1/4, SEC 12, TWP 24N, RNG 4E, W.M.



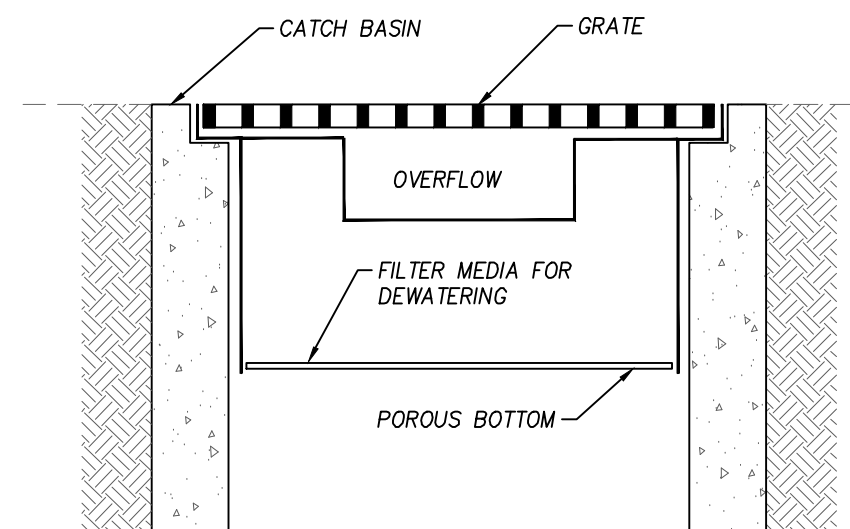
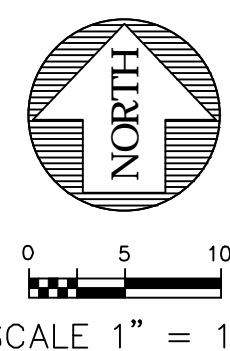
DATE	REVISION

TOPOGRAPHIC SURVEY
FRIEDMAN HOMES
8005 SE 34TH PLACE
MERCER ISLAND, WA 98040

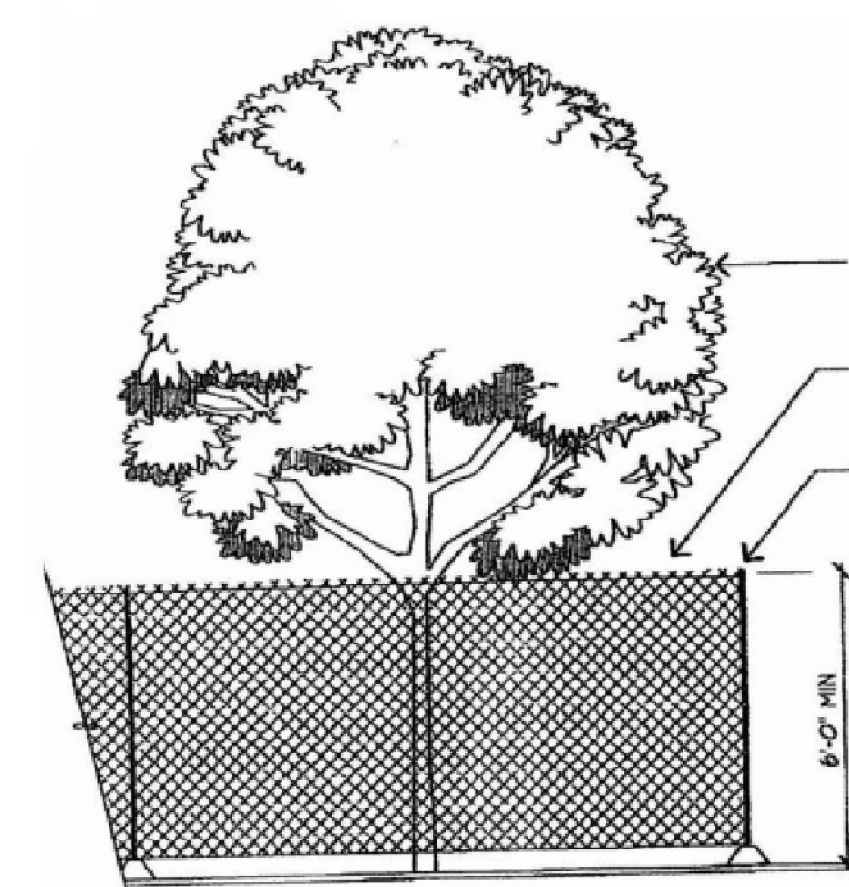
PROJECT NO. 21-610
DRAWN BY: MTS
CHECKED BY: TNW
DATE: 9/28/2021
SHEET 1 OF 1

8005 SE 34TH PL RESIDENCE

NE 1/4 OF NE 1/4 OF SECTION 12, T. 24 N., R. 04 E., W.M.
CITY OF MERCER ISLAND, STATE OF WASHINGTON



NOTE: THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. 0.5 C.F. OF STORAGE. THIS MEANS TO DEWATER THE STORED SEDIMENT, AN OVERFLOW, AND CAN BE EASILY MAINTAINED.



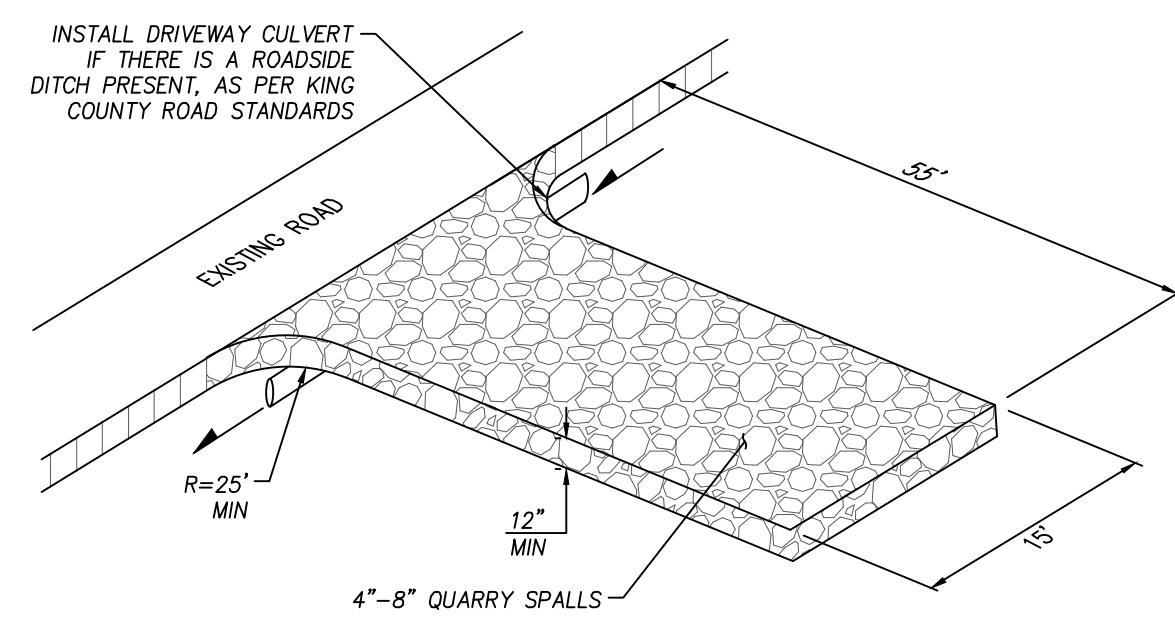
Significant Existing Tree
Continuous chain link Fencing Post @ Max. 10' O.C.
Install as shown on plans at dripline of tree(s)

MAINTENANCE STANDARDS

1. 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 HAULLED OFF-SITE.
2. ANY SEDIMENT IN THE CATCH BASIN INSERT SHALL BE REMOVED WHEN THE INSERT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE. THE FILTER MEDIA FOR THE INSERT SHALL BE CLEANED OR REPLACED AT LEAST MONTHLY.
3. 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.

CATCH BASIN PROTECTION DETAIL

NO SCALE

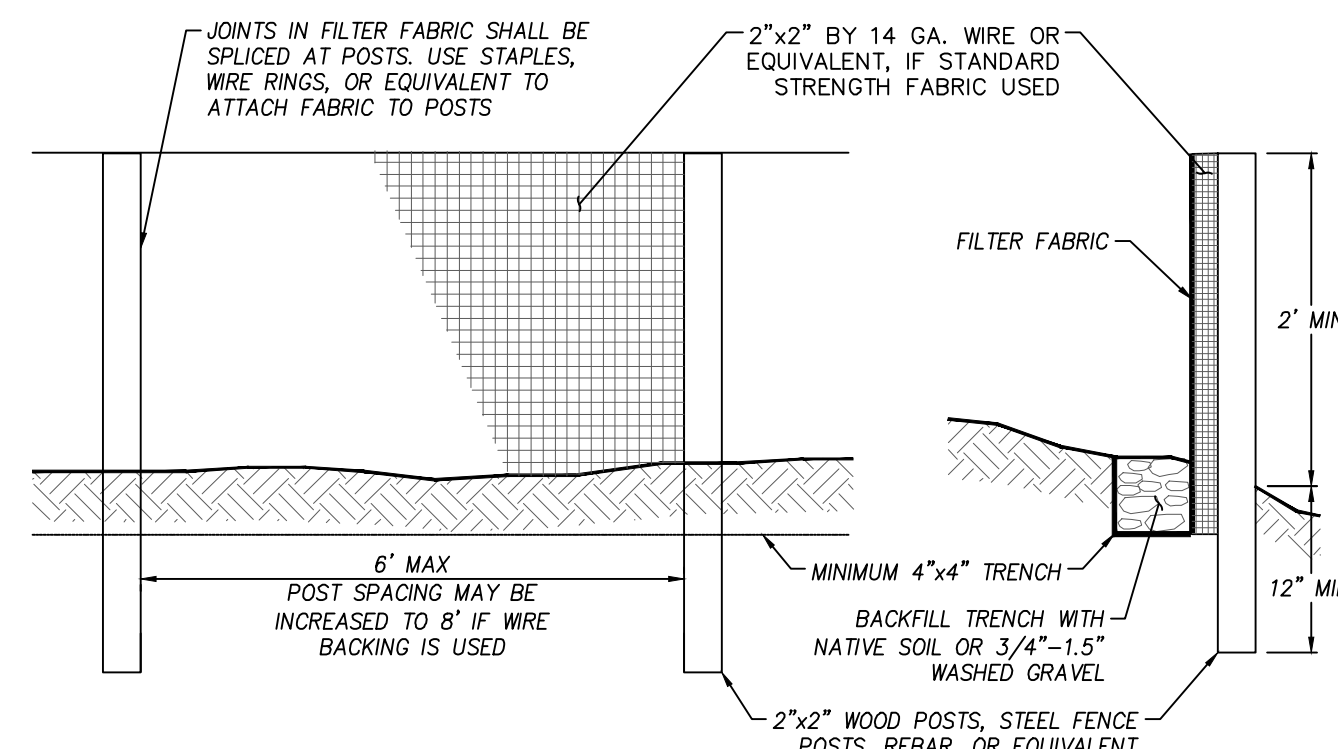


MAINTENANCE:

1. QUARRY SPALLS (OR HOG FUEL) SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS.
2. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS TREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH. IF WASHING IS USED, IT SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK, AND WASH WATER SHALL DRAIN TO A SEDIMENT TRAP OR POND.
3. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, A SMALL SUMP MUST BE CONSTRUCTED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP WHERE IT CAN BE CONTROLLED. WASH WATER MUST BE PUMPED BACK ONTO THE SITE AND CAN NOT DISCHARGE TO SYSTEMS TRIBUTARY TO SURFACE WATERS.
4. ANY QUARRY SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.
5. IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING SHALL BE INSTALLED TO CONTROL TRAFFIC.

CONSTRUCTION ENTRANCE DETAIL

NO SCALE

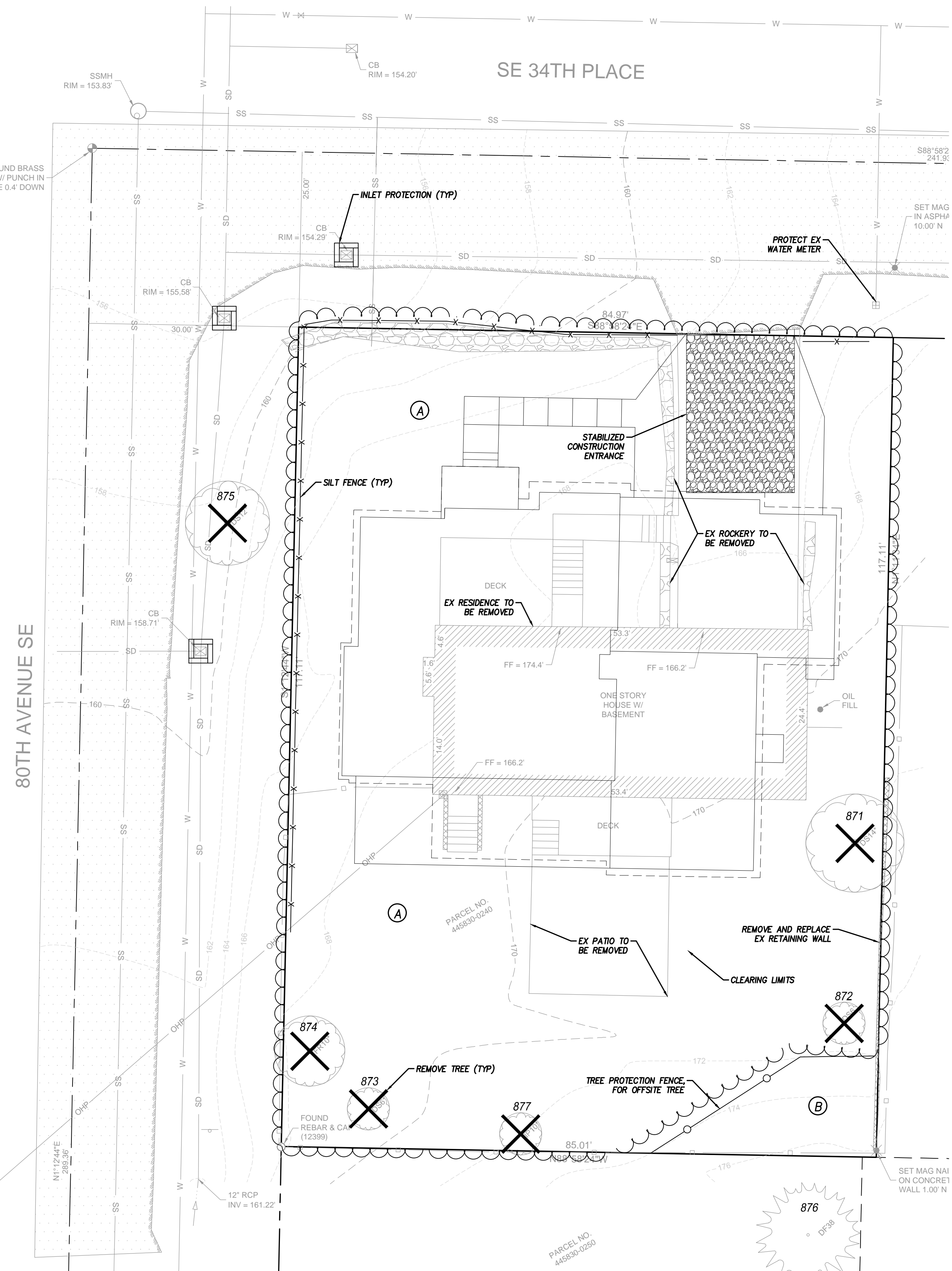


MAINTENANCE:

1. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT TRAP OR POND.
3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
4. SEDIMENT MUST BE REMOVED WHEN THE SEDIMENT IS 6 INCHES HIGH.
5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

SILT FENCE

NO SCALE



80TH AVENUE SE

SE 34TH PLACE

TREE TABLE		
NUMBER	TYPE	DBH (INCH)
871	CHERRY	15.0
872	CHERRY	5.3
873	APPLE	8.2
874	APPLE	14.5
875	RED ALDER	13.4
876	DOUGLAS FIR	38.0
877	ITALIAN PLUM	10.5

SOIL MANAGEMENT AREAS:

- (A) STOCKPILE EXISTING TOP SOIL, REPLACE AND AMEND AS NEEDED
- (B) UNDISTURBED EXISTING SOIL

NOTE: SEE ARBORIST REPORT FOR ADDITIONAL TREE INFORMATION

Six-foot high temporary chain link fence shall be placed as shown on plans. Fence shall completely encircle tree(s). Install fence posts using pier blocks only. Avoid driving posts or stakes into major roots.

Make a clean straight cut to remove damaged portion of root for all roots over 1" in diameter damaged during construction. All exposed roots shall be temporarily covered with damp burlap and covered with soils the same day, if possible, to prevent drying. If not possible, burlap must be kept moist at all times.

Work with the protection fencing shall be done manually. No stockpiling of materials, soil, debris, vehicle traffic, or storage of equipment or machinery shall be allowed within the limit of the fencing.

Cement trucks must not be allowed to deposit waste or wash out materials from their trucks within the Tree Protection Fences.

The area within the Tree Protection Fencing must be covered with wood chips, hog fuel, or similar materials to a depth of 8 to 10 inches. The materials should be placed prior to beginning construction and remain until the Tree Protection Fencing is taken down.

TREE PROTECTION FENCE DETAIL

NO SCALE

POST-CONSTRUCTION SOIL MANAGEMENT

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP 15.13. 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.

BMP 15.13: POST-CONSTRUCTION SOIL QUALITY AND DEPTH (FROM 2014 DEPT. OF ECOLOGY SWMMWW)
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 PEROUS SURFACES DUE TO INCREASED USE OF PESTICIDES, FERTILIZERS AND OTHER LANDSCAPING AND HOUSEHOLD/INDUSTRIAL CHEMICALS, THE CONCENTRATION OF PET WASTES, AND POLLUTANTS THAT ACCUMULATE IN 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.
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.

STEP 1
IDENTIFY AREAS OF THE SITE THAT WILL NOT BE DISTURBED DURING CONSTRUCTION (CLEARED, GRADED, OR DRIVEN ON). FENCE THOSE AREAS TO PREVENT IMPACTS DURING CONSTRUCTION. IF NEITHER SOILS NOR VEGETATION ARE DISTURBED, THESE AREAS DO NOT REQUIRE AMENDMENT.

STEP 2
IN DISTURBED AREAS (COMPACTED BY CONSTRUCTION TRAFFIC):
• SCARIFY THE TOP 4 INCHES OF SUBSOIL
• USE A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER TO MIX THE FIRST LIFT OF TOPSOIL INTO THE SUBSOIL (KNOWN AS SCARIFYING, RIPPING, OR TILLING)
• USE THE EQUIPMENT LISTED IN THE PREVIOUS BULLET TO SCARIFY (TILL OR RIP) SOILS TO A DEPTH OF 12 INCHES BEFORE TILLING IN AT LEAST 8 INCHES OF COMPOST

STEP 3
THREE OPTIONS TO RESTORE DISTURBED SOILS INCLUDE:
OPTION 1: TILL COMPOST (1.75 INCHES FOR TURF AREAS; 3 INCHES FOR PLANTING BEDS) INTO EXISTING SOIL, OR
OPTION 2: STOCKPILE AND REUSE EXISTING TOPSOIL (AMEND IF NEEDED TO MEET 5% ORGANIC MATTER CONTENT FOR TURF AREAS; 10% ORGANIC MATTER CONTENT FOR PLANTING BEDS), OR
OPTION 3: IMPORT 6 INCHES OF COMPOST-AMENDED TOPSOIL (25% COMPOST FOR TURF AREAS; 40% COMPOST FOR PLANTING BEDS) AND SCARIFY (TILL OR RIP) INTO EXISTING SOIL IN TWO 3-INCH LIFTS

TREE PROTECTION MEASURES

- TREE PROTECTION FENCING FOR DEMOLITION:
- TREE PROTECTION FENCES WILL NEED TO BE PLACED AROUND EACH TREE OR GROUP OF TREES TO BE RETAINED.
 - TREE PROTECTION FENCES ARE TO BE PLACED ACCORDING TO THE ATTACHED DRAWINGS.
 - TREE PROTECTION FENCES MUST BE INSPECTED AND APPROVED BY THE CITY PRIOR TO THE BEGINNING OF ANY DEMOLITION OR CONSTRUCTION WORK ACTIVITIES.
 - NOTHING MUST BE PARKED OR STORED WITHIN THE TREE PROTECTION FENCES—NO EQUIPMENT, VEHICLES, SOIL, DEBRIS, OR CONSTRUCTION SUPPLIES OF ANY SORTS.
 - THE AREA OUTSIDE THE TREE PROTECTION FENCES IS THE WORK/DEVELOPMENT ZONE.
 - THE AREA INSIDE THE TREE PROTECTION FENCING IS THE TREE PROTECTION ZONE.
 - FENCES SHALL BE ANCHORED SO THEY CAN NOT BE MOVED.

SIGNS:
• THE TREE PROTECTION FENCES NEED TO BE CLEARLY MARKED WITH THE FOLLOWING OR SIMILAR TEXT IN FOUR INCH OR LARGER LETTERS:
"TREE PROTECTION FENCE
DO NOT ENTER THIS AREA
DO NOT PARK OR STORE MATERIALS WITHIN THE PROTECTION AREA"

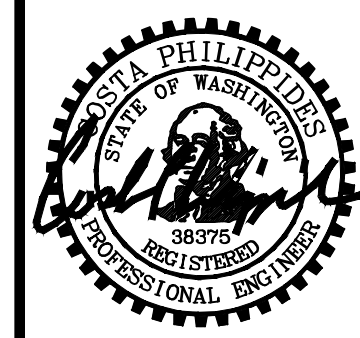
- ANY QUESTIONS, CONTACT MERCER ISLAND CODE COMPLIANCE, (206) 275-7712 CODECOMPLIANCE@MERCERGOV.WA.GOV
- TREE PROTECTION FENCES MUST BE INSPECTED AND APPROVED BY THE CITY PRIOR TO ANY DEMOLITION OR CLEAN-UP WORK BEGINNING.
- ANY EXCAVATION, INCLUDING FOUNDATION, NEAR TREES 451, 453 OR 455 SHALL HAVE ARBORIST SUPERVISION
- MINIMIZE OVER EXCAVATION FOR FOUNDATIONS
- THE ARBORIST SHALL SUPERVISE TREE/SHRUB REMOVAL— AVOID ALL DAMAGE TO EXCEPTIONAL AND CITY TREE ROOTS

MULCH:
• THE AREA WITHIN THE TREE PROTECTION FENCING MUST BE COVERED WITH WOOD CHIPS, HOG FUEL, OR SIMILAR MATERIALS TO A DEPTH OF 6 TO 8 INCHES. THE MATERIALS SHOULD BE PLACED PRIOR TO BEGINNING CONSTRUCTION AND REMAIN UNTIL THE TREE PROTECTION FENCING IS TAKEN DOWN.

CANOPY PRUNING:
• THE CANOPIES OF SOME OF THE TREES MAY NEED TO PROPERLY PRUNED TO ALLOW FOR EQUIPMENT, BUILDING, AND CONSTRUCTION CLEARANCE. THE PRUNING MUST BE DONE BY AN INTERNATIONAL SOCIETY OF ARBORICULTURE, (ISA) CERTIFIED ARBORIST USING CURRENT INDUSTRY STANDARD PRUNING TECHNIQUES. (ANSI A300 PRUNING STANDARDS AND ANSI Z13.1 SAFETY STANDARDS AS WELL AS ALL OSHA, WSHA, AND LOCAL STANDARDS MUST BE FOLLOWED.)
• PLANT DEBRIS CAN BE CHIPPED AND UTILIZED ON SITE FOR THE MULCH UNDER THE TREES.

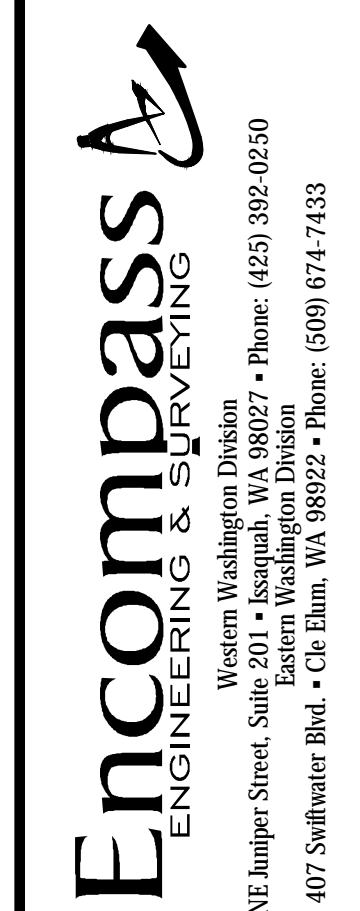
DEMOLITION AND REMOVAL OF THE EXISTING IMPROVEMENTS:
• WHEN DEMOLITION OCCURS, CONSTRUCTION EQUIPMENT MUST BE KEPT OUTSIDE THE TREE PROTECTION ZONE.
• DEMOLITION MUST FOLLOW THIS PROCESS TO PROTECT THE LONG TERM SURVIVABILITY OF THE TREES:
• AN INTERNATIONAL SOCIETY OF ARBORICULTURE, (ISA) CERTIFIED ARBORIST MUST BE WORKING WITH AND IN CONTROL OF ALL EQUIPMENT OPERATORS.
• THE CERTIFIED ARBORIST SHOULD BE OUTFITTED WITH A SHOVEL, HAND PRUNERS, A PAIR OF LOPPERS, A HANDSAW, AND A POWER SAW (A RECIPROCATING SAW, SUCH AS A 'SAWSALL' IS RECOMMENDED).

REVISIONS	BY	DATE
DESCRIPTION		



12/03/2021

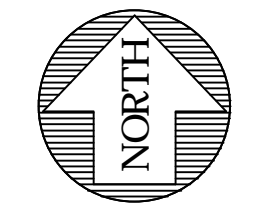
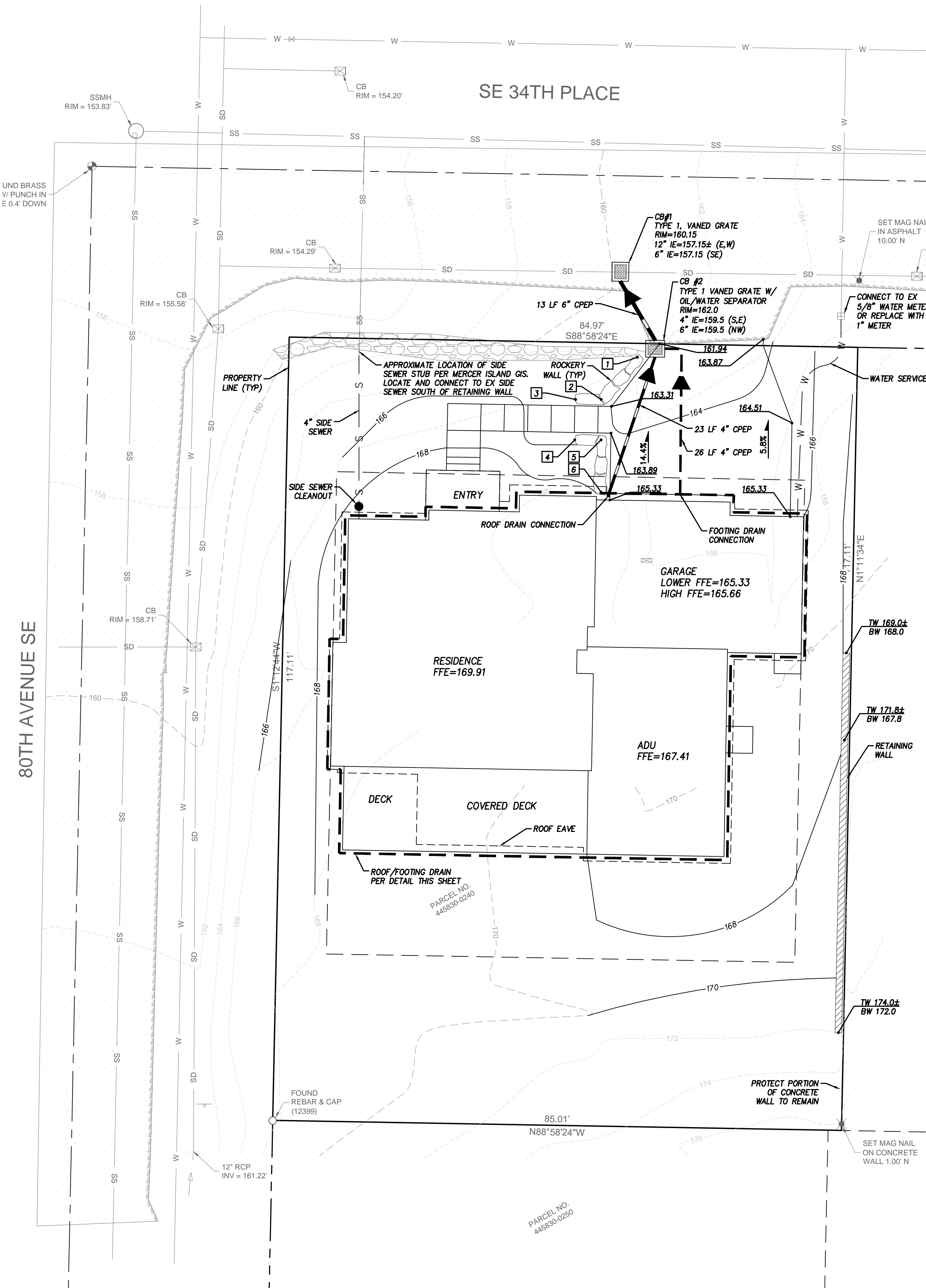
8005 SE 34TH PL RESIDENCE
JON FRIEDMAN
EROSION CONTROL PLAN AND NOTES



JOB NO.	21720
DATE	12/03/2021
SCALE	SCALE
DESIGNED	IWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP
SHEET	2

8005 SE 34TH PL RESIDENCE

NE 1/4 OF NE 1/4 OF SECTION 12, T. 24 N., R. 04 E., W.M.
CITY OF MERCER ISLAND, STATE OF WASHINGTON



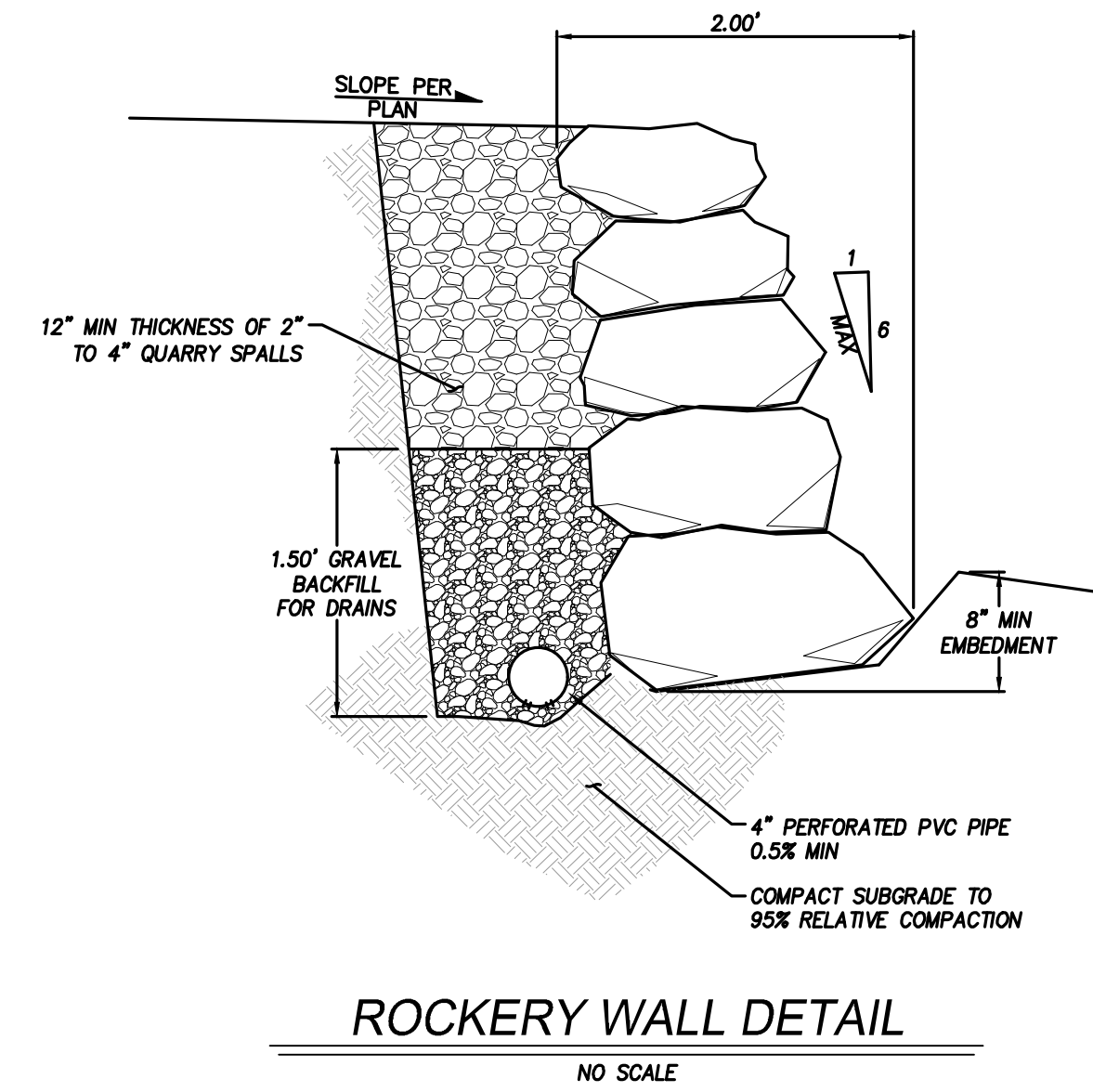
SCALE 1" = 10'

WALL HEIGHTS

1	TW=164.35 BW=162.16
2	TW=165.75 BW=163.31
3	TW=166.00 BW=164.47
4	TW=167.00 BW=164.47
5	TW=167.23 BW=163.89
6	TW=168.00 BW=165.33

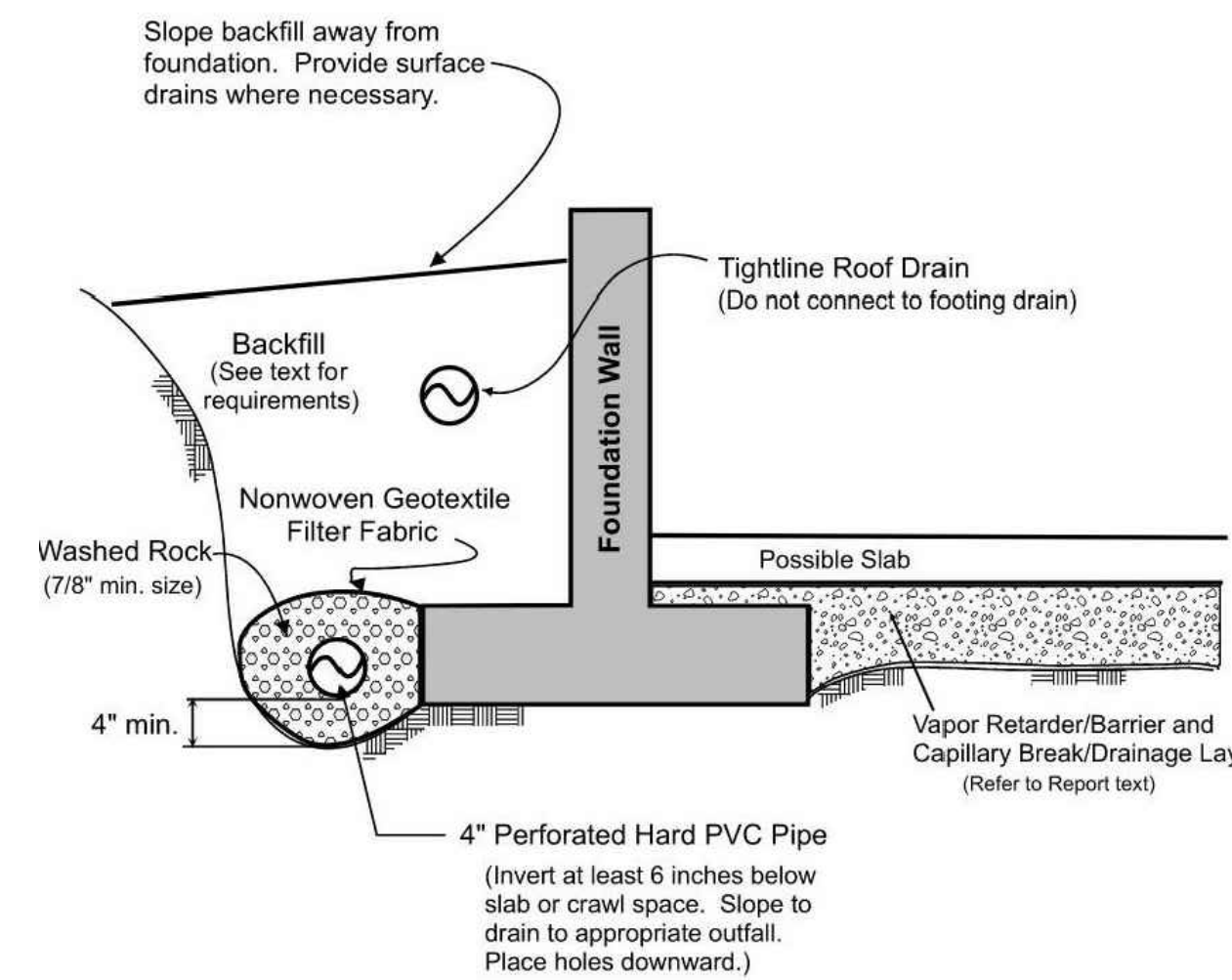
ESTIMATED EARTHWORK QUANTITIES

CUT: 230 CY
FILL: 180 CY
NET: 50 CY (CUT)



ROCKERY WALL DETAIL

NO SCALE

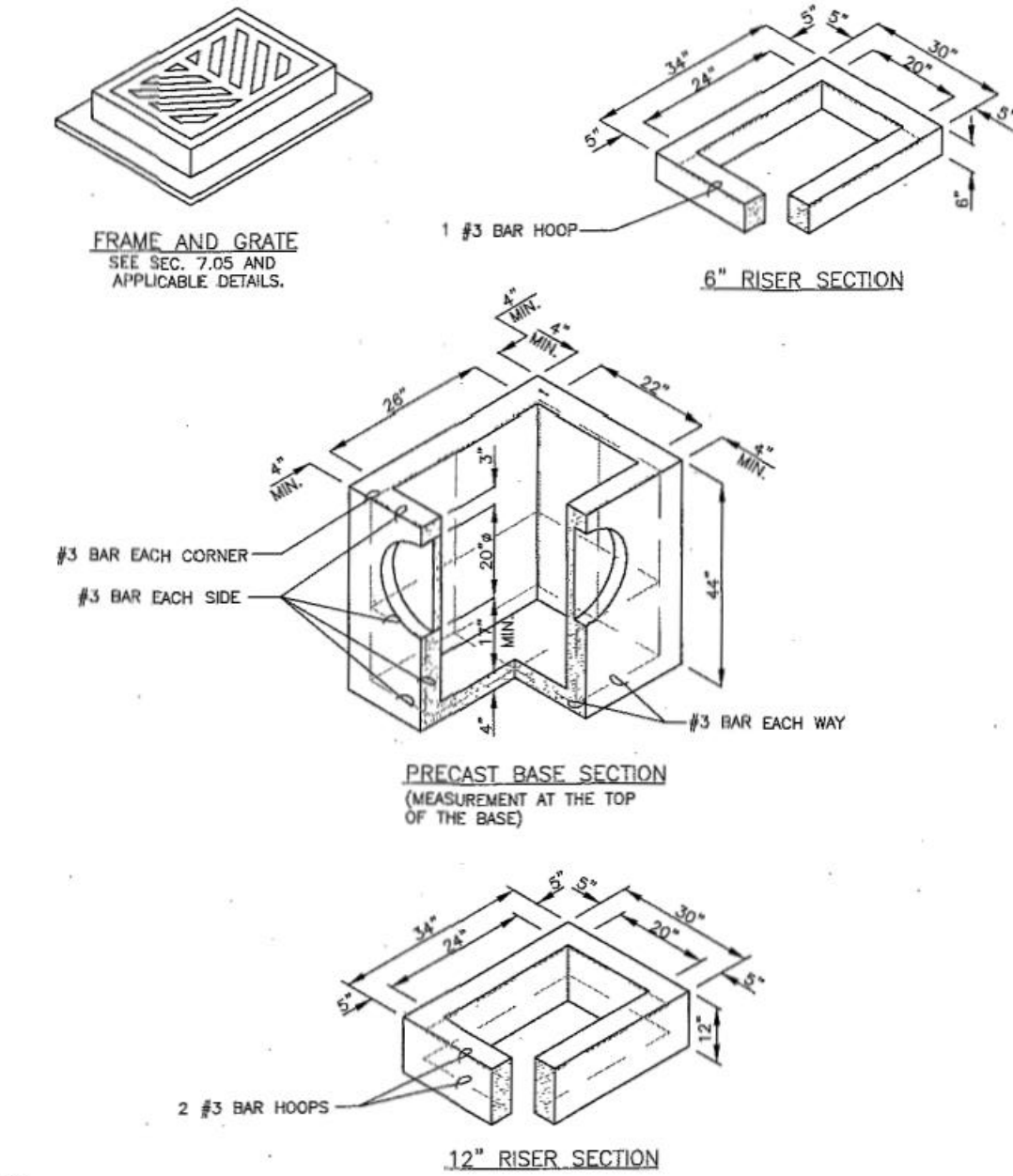


NOTES:

- In crawl spaces, provide an outlet drain to prevent buildup of water that bypasses the perimeter footing drains.
- Refer to report text for additional drainage, waterproofing, and slab considerations.

ROOF/FOOTING DRAIN DETAIL

NO SCALE



NOTES:

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WASHITO M 129 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS.
- AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.15 SQ. IN. PER FT. MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497 (WASHITO M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
- ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2 IN. MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE GROUDED IF WALL IS LEFT INTACT.
- KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIA. PLUS CATCH BASIN WALL THICKNESS.
- ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 20 IN. KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPE.
- THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 3 FT.
- THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2" PER FT.
- CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-622E. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
- FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
- FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT/APWA STANDARD DWG. B-5.60-01.
- EDGE OF RISER OR BRICK SHALL NOT BE MORE THAN 2 IN. FROM VERTICAL EDGE OF CATCH BASIN WALL.
- SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9-05.15 FOR METAL CASTINGS REQUIREMENTS.

TYPE 1 CATCH BASIN DETAIL

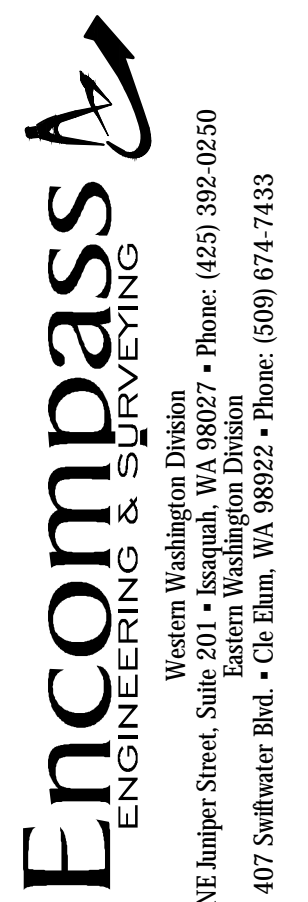
NO SCALE

REVISIONS	DESCRIPTION	BY	DATE



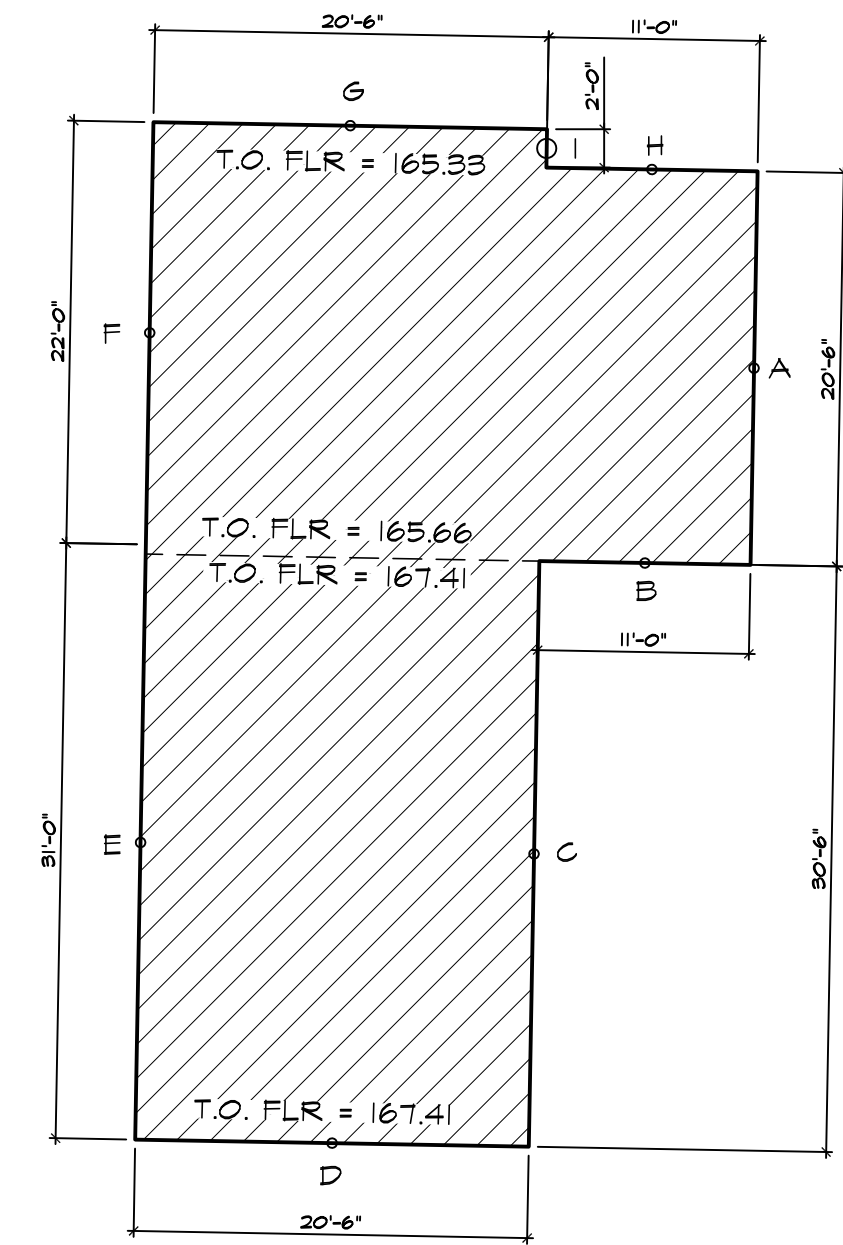
12/03/2021

8005 SE 34TH PL RESIDENCE
JON FRIEDMAN
GRADING AND UTILITY PLAN



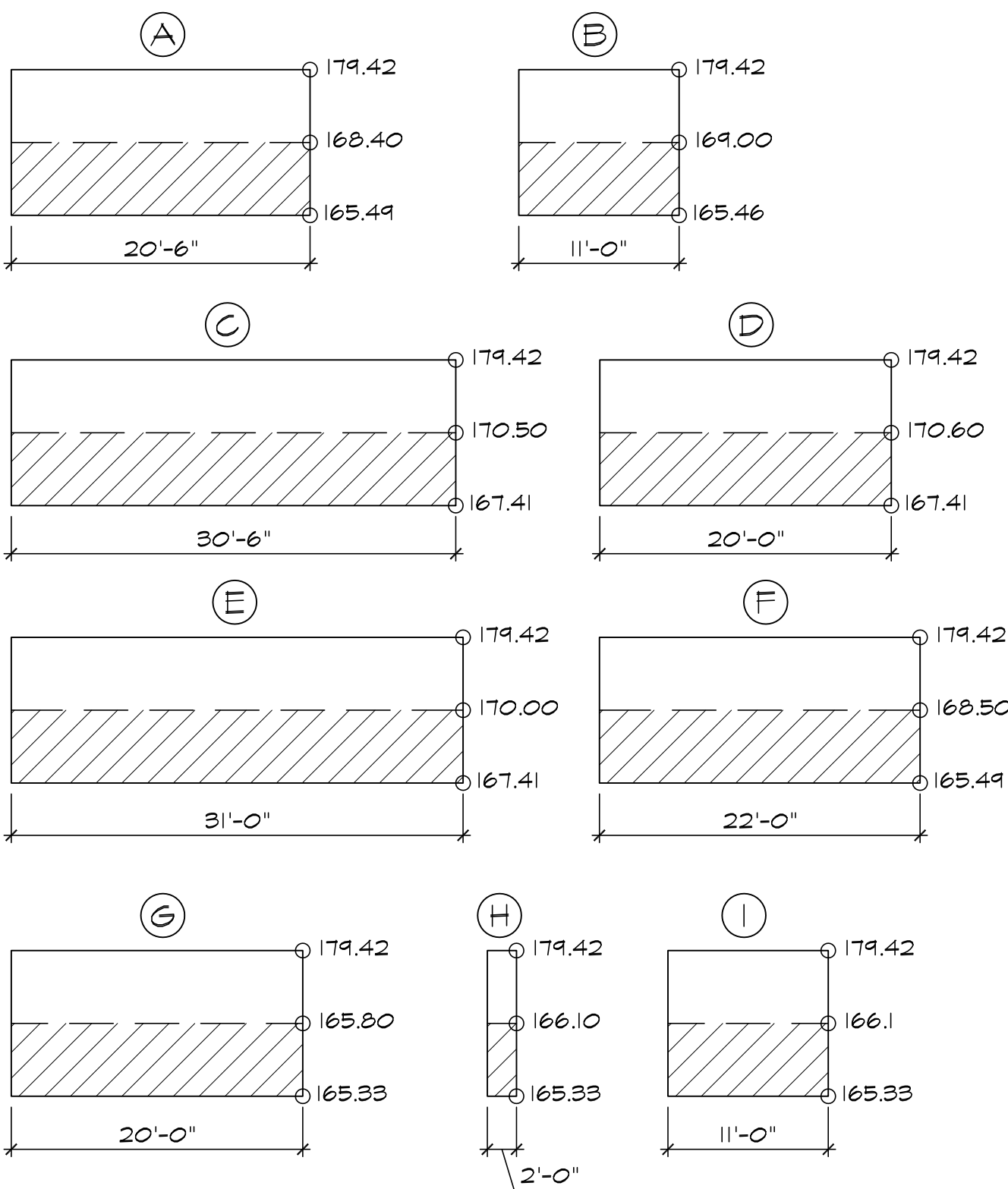
JOB NO.	21720
DATE	12/03/2021
SCALE	1"=10'
DESIGNED	TWD
DRAWN	TNF
CHECKED	CP
APPROVED	CP

SHEET 3

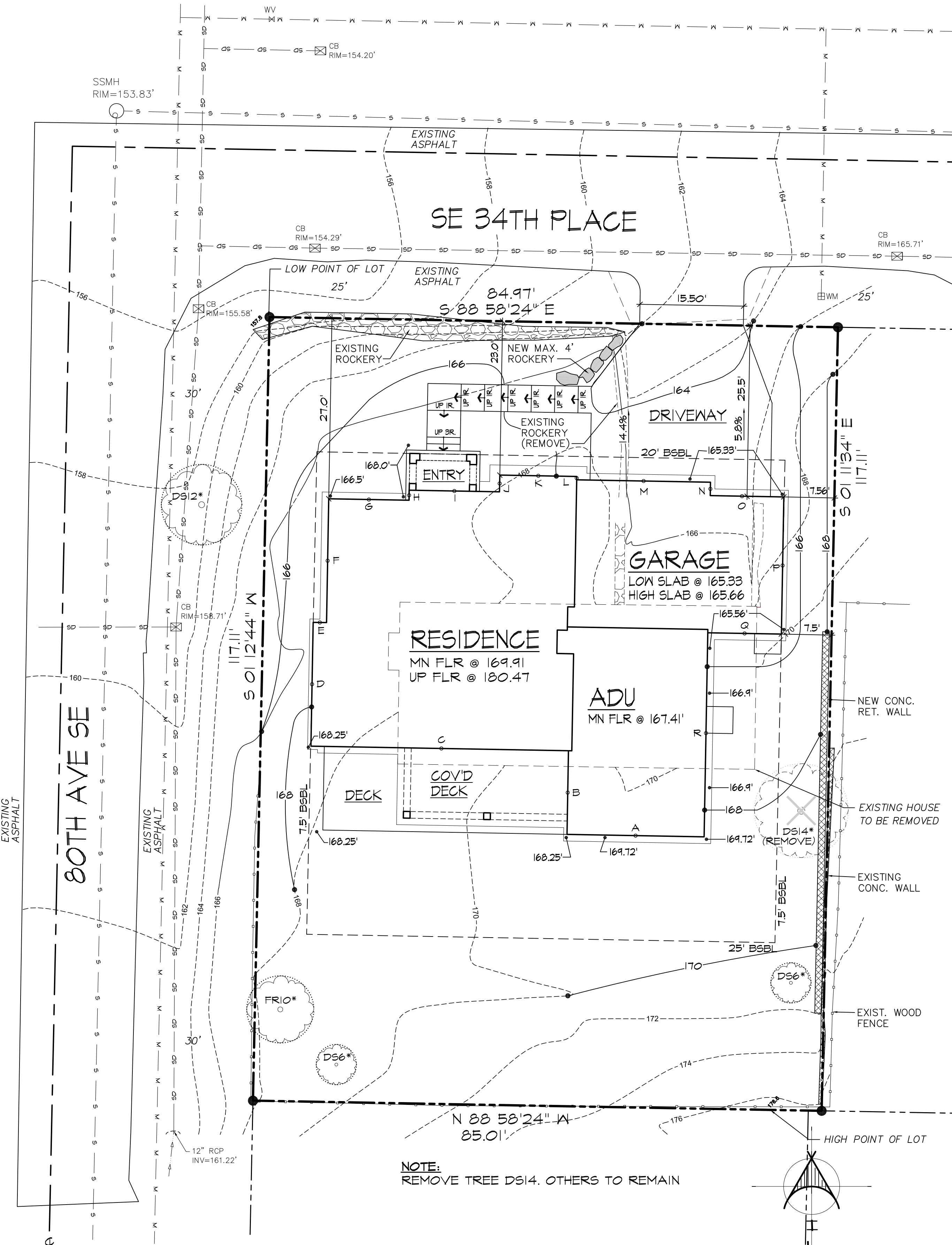


WALL SEGMENT	WALL LENGTH	X COVERAGE =	RESULT
A	20.50	20.89%	4.28
B	11.00	24.43%	2.69
C	30.50	25.73%	7.85
D	20.00	26.86%	5.33
E	31.00	21.16%	6.56
F	22.00	21.61%	4.75
G	20.00	3.35%	0.67
H	2.00	5.48%	0.11
I	11.00	0.60%	0.60
TOTALS:	168.00		32.84

1312 SF X 32.84 / 168.00
1312 X 19.55% = 256.49 SF
256.49 SF EXCLUDED FROM THE GROSS FLOOR AREA



BASEMENT EXEMPTION

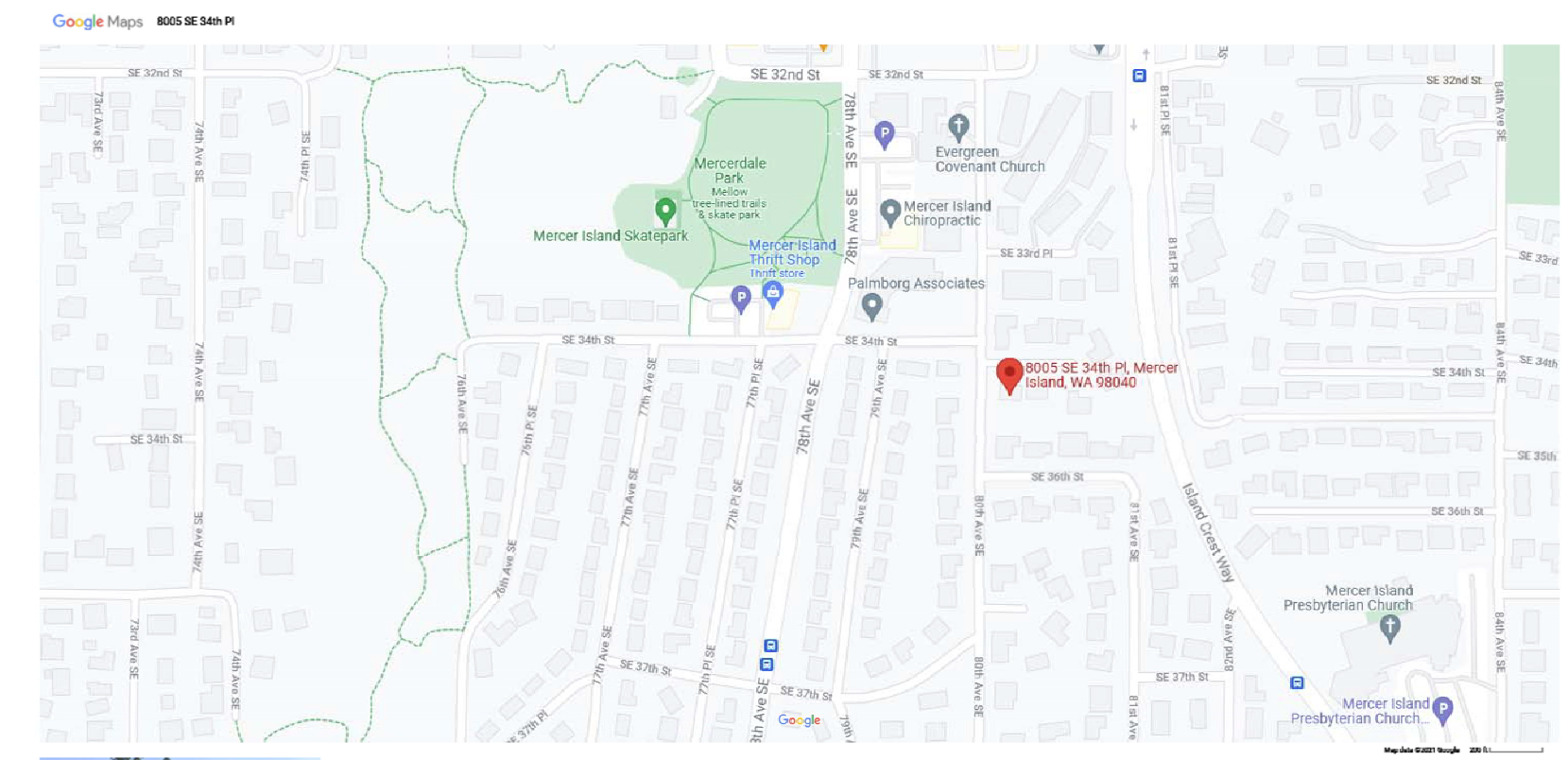


SITE PLAN

SCALE: 1" = 10'-0"

NOTE: REMOVE TREE DS14. OTHERS TO REMAIN

VICINITY MAP



ARCHITECT

MARCUS JENKINS
ARCHITECTS NORTHWEST
18915 142ND AVE NE SUITE 100
WOODINVILLE, WA 98072
PH: (425) 485-4900
EM: MARCUS@ARCHITECTSNW.COM

SURVEYOR

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

OWNER

FRIEDMAN HOMES
PO BOX 481
MERCER ISLAND, WA 98040
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EM: jon@friedmanhomes.net

STRUCTURAL ENGINEER

PITZER & ASSOCIATES, PLLC
7317-35TH ST NE
MARYSVILLE, WA 98270 / PH: 425-308-8070
EMAIL: TOMMYT42K@HOTMAIL.COM

LEGAL DESCRIPTION

LOT 24, LUCAS HILL DIVISION NO. 5,
ACCORDING TO THE PLAT THEREOF
RECORDED IN VOLUME 61 OF PLATS, PAGE
100, RECORDS OF KING COUNTY,
WASHINGTON;

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

LOT SLOPE

HIGHEST ELEV. PT. OF LOT: 176.60'
LOWEST ELEV. PT. OF LOT: 157.80'
ELEVATION DIFFERENCE: 18.80'
HORIZONTAL DISTANCE
BETWEEN HIGH/LOW POINTS: 140.00'
LOT SLOPE: 13.43%

HEIGHT CALC

WALL SEGMENT	WALL LENGTH	MIDPOINT ELEVATION	PRODUCT
A	20.50	170.60	3497.30
B	12.50	170.60	2132.50
C	38.50	169.20	6514.20
D	18.50	166.50	3080.25
E	2.00	166.30	332.60
F	18.50	167.00	3089.50
G	12.00	167.40	2008.80
H	1.50	167.50	251.25
I	13.50	167.70	2263.95
J	2.50	167.90	419.75
K	11.50	168.20	1934.30
L	0.50	168.70	84.35
M	20.00	165.80	3316.00
N	2.00	165.80	331.60
O	11.00	165.90	1824.90
P	20.50	168.40	3452.20
Q	11.00	169.00	1859.00
R	30.50	170.00	5185.00
TOTALS:	247.00	3022.50	41577.45

AVERAGE BLDG ELEV = TOTAL PRODUCTS/ TOTAL WALL LENGTHS:

41577.5 / 247.00 = 168.33 AVG. BLDG ELEV
MAX HT. ALLOWABLE = + 30.00
MAX ELEVATION @ RIDGE = 198.33
PROPOSED RIDGE ELEVATION = - 193.16
PROPOSED RIDGE = 5.17 BELOW HT. LIMIT

SITE ADDRESS

8005 SE 34TH PLACE
MERCER ISLAND, WA 98040

PARCEL #

445830-0240

ZONING

R-8.4

LOT COVERAGE

LOT AREA: 9,953 S.F.
ROOF OVERHANG AREA: 3,425 S.F.
DRIVEWAY AREA: 553 S.F.
TOTAL AREA: 3,978 S.F. = 39.97%
MAX. AREA ALLOWED: 3,901 S.F. = 40%

GROSS FLOOR AREA

LOT AREA: 9,953 S.F.
BASEMENT: (ADU+GARAGE) 1,312 S.F.
MAIN FLOOR: 1,449 S.F.
UPPER FLOOR: 1,972 S.F.
MINUS STAIRS w/CLG
LESS THAN 16": -40 S.F.
TOTAL GROSS FLOOR AREA: 4,693 S.F.
EXEMPT BSMT AREA: 256 S.F.
TOTAL NET GFA: 4,437 S.F.
% OF LOT AREA: 44.58%
ALLOWED GFA: 4,478 S.F.
ALLOWED % OF LOT AREA: 45.00%

FIRE AREA SUMMARY

MAIN FLOOR: 1,520 S.F.
ADU: 575 S.F.
UPPER FLOOR: 1,890 S.F.
GARAGE: 666 S.F.
COVID AREA: 312 S.F.
TOTAL FIRE AREA: 4,963 S.F.

ARCHITECTS NORTHWEST
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TOLL FREE: 1-888-272-4100
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FRIEDMAN HOMES

PLAN M2595B3F-9

DESIGNED BY: TC DATE: 2013
DRAWN BY: JRA DATE: 8/11/14
PROJECT MANAGER: MARCUS JENKINS
REVISED BY: BPS DATE: 9/15/17
BPS DATE: 4/25/19
BPS DATE: 8/19/19
BPS DATE: 10/2/19
BPS DATE: 12/20/21

LATERAL BY: FITZER DATE: 12/7/21
LATERAL JOB NUMBER: 21-140
AO A13
ANW JOB NUMBER: 210248

REGISTERED ARCHITECT
12/20/21
PAYMENT OF USE FEE IS DUE TO ARCHITECTS NORTHWEST, INC. PRIOR TO CONSTRUCTION FOR THESE PLANS. THESE PLANS ARE COPYRIGHTED IN ACCORDANCE WITH THE COPYRIGHT ACT OF 1976. NO PORTION OF THESE PLANS OR METHOD OF ALL OR PORTIONS OF THESE PLANS OR FROM ARCHITECTS NORTHWEST, INC. IS STRICTLY PROHIBITED. THESE DRAWINGS AND PLANS SET FORTH THE DESIGN AND CONSTRUCTION OF THE ARE, AND SHALL REMAIN THE PROPERTY OF ARCHITECTS NORTHWEST, INC.

ENERGY CODE

2018 WASHINGTON STATE ENERGY CODE/ IECC (WSEC)
TABLE R402.1.1
INSULATION AND PENETRATION REQUIREMENTS BY COMPONENT A

CLIMATE ZONE	5 & MARINE 4
FENESTRATION U-FACTOR B	0.30
SKYLIGHT B U-FACTOR	0.50
CEILING R-VALUE E	4.9
WOOD FRAME WALL 6H R-VALUE	21 INT
FLOOR R-VALUE	30
BELOW GRADE 6H WALL R-VALUE	10/15/21 INT + 5TB
SLAB 6F R-VALUE & DEPTH	10, 2 FT.

TABLE R402.1.1 FOOTNOTES
FOR SI: 1 FOOT = 304.8 MM, CI = CONTINUOUS INSULATION, INT. = INTERMEDIATE FRAMING.

A R-VALUES ARE MINIMUMS, U-FACTORS AND SHGC ARE MAXIMUMS. WHEN INSULATION IS INSTALLED IN A CAVITY WHICH IS LESS THAN THE LABEL OR DESIGN THICKNESS OF THE INSULATION, THE COMPRESSED R-VALUE OF THE INSULATION FROM APPENDIX TABLE A101.4 SHALL NOT BE LESS THAN THE R-VALUE SPECIFIED IN THE TABLE.

B THE FENESTRATION U-FACTOR COLUMN EXCLUDES SKYLIGHTS.

C "10/15/21 +5TB" MEANS R-10 CONTINUOUS INSULATION ON THE EXTERIOR OF THE WALL, OR R-15 CONTINUOUS INSULATION ON THE INTERIOR OF THE WALL, OR R-21 CAVITY INSULATION PLUS A THERMAL BREAK BETWEEN THE SLAB AND THE BASEMENT WALL AT THE INTERIOR OF THE BASEMENT WALL. "10/15/21 +5TB" SHALL BE PERMITTED TO BE MET WITH R-15 CAVITY INSULATION ON THE INTERIOR OF THE BASEMENT WALL PLUS R-5 CONTINUOUS INSULATION ON THE INTERIOR OR EXTERIOR OF THE WALL. "5TB" MEANS R-5 THERMAL BREAK BETWEEN FLOOR SLAB AND BASEMENT WALL.

D R-10 CONTINUOUS INSULATION IS REQUIRED UNDER HEATED SLAB ON GRADE FLOORS. SEE R402.2.4.1.

E FOR SINGLE RAFTER- OR JOIST- VAULTED CEILINGS, THE INSULATION MAY BE REDUCED TO R-30 IF THE FULL INSULATION DEPTH EXTENDS OVER THE TOP PLATE OF THE EXTERIOR WALL.

F R-15 CONTINUOUS INSULATION INSTALLED OVER AN EXISTING SLAB IS DEEMED TO BE EQUIVALENT TO THE REQUIRED PERIMETER SLAB INSULATION WHEN APPLIED TO EXISTING SLABS COMPLYING WITH SECTION R203.1.1. IF FOAM PLASTIC IS USED, IT SHALL MEET THE REQUIREMENTS FOR THE THERMAL BARRIERS PROTECTING FOAM INSULATION.

G FOR LOG STRUCTURES DEVELOPED IN COMPLIANCE WITH STANDARD ICC 400, LOG WALLS SHALL MEET THE REQUIREMENTS FOR CLIMATE ZONE 5 OF ICC 400.

H INT. (INTERMEDIATE FRAMING) DENOTES FRAMING AND INSULATION AS DESCRIBED IN SECTION A103.2.2 INCLUDING STANDARD FRAMING 16 INCHES ON CENTER, 70 PERCENT OF THE WALL CAVITY INSULATED AND HEADERS INSULATED WITH A MINIMUM OF R-10 INSULATION.

- A CERTIFICATE COMPLYING WITH 2018 WSEC R401.3 IS REQUIRED TO BE COMPLETED BY THE BUILDER OR APPROVED PARTY AND PERMANENTLY POSTED.
- AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING AND COOLING SYSTEM.
- NOT LESS THAN 90 PERCENT OF LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.

WHOLE HOUSE VENTILATION

WHOLE HOUSE VENTILATION SYSTEM TO BE DESIGNED PER WSEC AMENDMENTS TO 2018 IRC SECTION M1505.4.4.

SEE "WHOLE HOUSE VENTILATION" ON THE SCHEDULE SHEET FOR SELECTED OPTION.

WHOLE-HOUSE MECHANICAL VENTILATION AIRFLOW RATE PER EQUATION I5-1 (M1505.4.3)

VENTILATION QUALITY ADJUSTMENT PER EQUATION I5-2 (M1505.4.3.1)

IRC TABLE M1505.4.3(2)

INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS A^B

RUN TIME PERCENTAGE IN EACH 4-HOUR SEGMENT	50%	66%	75%	100%
FACTOR	2	1.5	1.3	1.0

- FOR VENTILATION SYSTEM RUN TIME VALUES BETWEEN THOSE GIVEN, THE FACTORS ARE PERMITTED TO BE DETERMINED BY INTERPOLATION.
- EXTRAPOLATION BEYOND THE TABLE IS PROHIBITED.

MECHANICAL

GENERAL

SOLID FUEL BURNING APPLIANCES INCLUDE AIRTIGHT STOVES, FIREPLACE STOVES, ROOM HEATERS, FACTORY BUILT FIREPLACES AND FIREPLACE INSERTS. ALL SOLID FUEL BURNING APPLIANCES SHALL COMPLY WITH THE PROVISIONS OF I.R.C. R1006

HEATING

EACH DWELLING UNIT SHALL BE PROVIDED WITH HEATING FACILITIES CAPABLE OF MAINTAINING A TEMPERATURE OF 68 DEGREES FAHRENHEIT AT A HEIGHT OF 3'-0" ABOVE THE FLOOR AND TWO FEET FROM EXTERIOR WALLS IN ALL HABITABLE ROOMS WHEN THE OUTSIDE TEMPERATURE IS AS SET FORTH IN THE 2018 W.S.E.C.

DEFINITION OF BUILDING THERMAL ENVELOPE FROM THE 2018 WASHINGTON STATE ENERGY CODE:

THE BELOW-GRADE WALLS, ABOVE-GRADE WALLS, FLOORS, CEILINGS, ROOF, AND ANY OTHER BUILDING ELEMENT ASSEMBLIES THAT ENCLOSE CONDITIONED SPACE OR PROVIDES A BOUNDARY BETWEEN CONDITIONED SPACE AND EXEMPT OR UNCONDITIONED SPACE.

- FUEL BURNING APPLIANCES LOCATED WITHIN THE BUILDING ENVELOPE SHALL OBTAIN AIR FROM OUTDOORS, MEETING THE PROVISIONS OF IRC 6240.1
- FUEL BURNING APPLIANCES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL MEET THE PROVISIONS OF CHAPTER 24 OF THE 2018 IRC.
- DUCTWORK LOCATION SHALL MEET THE PROVISIONS OF CHAPTER 24 OF THE 2018 IRC.
- COMBUSTION AIR TO MEET THE REQUIREMENTS OF I.R.C. M101.1

ALL WARM AIR FURNACES SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY PER CHAPTER M302 OF THE 2018 IRC.

NO WARM AIR FURNACE SHALL BE INSTALLED IN A ROOM USED OR DESIGNED TO BE USED AS A BEDROOM, BATHROOM, CLOSET OR IN ANY ENCLOSED SPACE WITH ACCESS ONLY THROUGH SUCH ROOM OR SPACE, EXCEPT PER EXCEPTIONS IN IRC 62406.2

LIQUEFIED PETROLEUM GAS BURNING APPLIANCES SHALL NOT BE INSTALLED IN A PIT, BASEMENT OR SIMILAR LOCATION WHERE HEAVIER THAN AIR GASES MIGHT COLLECT. APPLIANCES SO FUELED SHALL NOT BE INSTALLED IN AN ABOVE GRADE UNDER FLOOR SPACE OR BASEMENT UNLESS SUCH LOCATION IS PROVIDED WITH AN APPROVED MEANS FOR REMOVAL OF UNBURNED GAS.

HEATING AND COOLING APPLIANCES LOCATED IN A GARAGE AND WHICH GENERATE A GLOW, SPARK OR FLAME CAPABLE OF IGNITING FLAMMABLE VAPORS SHALL BE INSTALLED WITH THE PILOTS AND BURNERS OR HEATING ELEMENTS AND SWITCHES AT LEAST 18" ABOVE THE FLOOR SURFACE.

FIRE DAMPERS NEED NOT BE INSTALLED IN AIR DUCTS PASSING THROUGH THE WALL, FLOOR OR CEILING SEPARATING A RESIDENCE (R-3 OCCUPANCY) FROM A GARAGE, PROVIDED SUCH DUCTS WITHIN THE GARAGE ARE CONSTRUCTED OF STEEL HAVING A THICKNESS NOT LESS THAN 0.019" (NO. 26 GALVANIZED SHEET GAUGE) AND HAVE NO OPENINGS INTO THE GARAGE

EVERY APPLIANCE DESIGNED TO BE VENTED SHALL BE CONNECTED TO A VENTING SYSTEM COMPLYING WITH CHAPTER 19 OF THE 2018 IRC.

EVERY FACTORY BUILT CHIMNEY, TYPE L VENT, TYPE B GAS VENT OR TYPE BW GAS VENT SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF ITS LISTING, MANUFACTURERS INSTALLATION INSTRUCTIONS AND THE REQUIREMENTS PER CHAPTER 24 OF THE 2018 IRC.

A TYPE B OR BW GAS VENT SHALL TERMINATE PER CHAPTER 24 OF THE 2018 IRC.

VENT CONNECTORS SHALL BE INSTALLED WITHIN THE SPACE OR AREA IN WHICH THE APPLIANCE IS LOCATED AND SHALL BE CONNECTED TO A CHIMNEY OR VENT IN SUCH A MANNER AS TO MAINTAIN THE CLEARANCE TO COMBUSTIBLES PER SECTION M1603 OF THE 2018 IRC.

HEATING EQUIPMENT

ALL HEATING EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE NATIONAL APPLIANCE ENERGY CONSERVATION ACT (NAECA) AND BE SO LABELED. EQUIPMENT SHALL ALSO COMPLY WITH SECTION M1411 OF THE 2018 IRC

DUCTWORK

- DUCT SYSTEMS OR FACTORY BUILT AIR DUCTS SHALL BE OF METAL AS SET FORTH BY TABLE I601.1 OF THE 2018 IRC.
- RECTANGULAR, FLAT, OVAL AND ROUND DUCT JOINTS AND SEAMS SHALL BE AIRTIGHT PER SECTION M1601.4.1 OF THE 2018 IRC.
- INSTALLATION OF DUCTS SHALL COMPLY WITH SECTION M1601.4 OF THE 2018 IRC.
- DUCT INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH SECTION M1601.3 OF THE 2018 IRC.
- FINAL DUCT LEAKAGE AFFIDAVIT IS TO BE PROVIDED TO THE BUILDING INSPECTOR PRIOR TO FINAL INSPECTION. DUCT LEAKAGE AND SEALING REQUIREMENTS IN 2018 W.S.E.C. SECTION R403.3.2 TO BE MET.
- DUCTS INSULATED TO A MINIMUM R-8 INSULATION IN UNCONDITIONED SPACES PER W.S.E.C. SECTION R403.3.1

CARPENTRY

GENERAL

ALL FRAMING SHALL COMPLY WITH THE APPLICABLE SECTION(S) OF THE 2018 IRC/IRC. PRESSURE TREATED WOOD REQUIRED IN LOCATIONS LISTED IN IRC R311.1

- 2" MINIMUM VERTICAL CLEARANCE BETWEEN WOOD & CONCRETE STEPS, PORCH SLABS, PATIO SLABS & OTHER SIMILAR HORIZONTAL SURFACES EXPOSED TO THE WEATHER.
- 6" MINIMUM CLEARANCE BETWEEN WOOD AND EARTH.
- 8" MINIMUM CLEARANCE BETWEEN UNTREATED MUSILLS AND EARTH.
- 12" MINIMUM CLEARANCE BETWEEN FLOOR BEAMS AND EARTH.
- 18" MINIMUM CLEARANCE BETWEEN FLOOR JOISTS AND EARTH.

LOADING

ROOF	15 PSF DEAD LOAD	+	25 PSF LIVE LOAD	=	40 PSF
FLOOR TRUSSES	15 PSF DEAD LOAD	+	40 PSF LIVE LOAD	=	55 PSF
FLOOR	10 PSF DEAD LOAD	+	40 PSF LIVE LOAD	=	50 PSF
CEILING	5 PSF DEAD LOAD	+	10 PSF LIVE LOAD	=	15 PSF
DECK	10 PSF DEAD LOAD	+	60 PSF LIVE LOAD	=	70 PSF
INTERIOR PARTITION				=	7 PSF
EXTERIOR PARTITION				=	10 PSF

WOOD BEARING ON OR INSTALLED WITHIN 1/2" OF MASONRY OR CONCRETE TO BE TREATED WITH AN APPROVED PRESERVATIVE. SOLID BLOCKING OF NOT LESS THAN 2X THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORT OF JOISTS AND RAFTERS. ANCHOR BOLTS TO BE PER SHEAR WALL SCHEDULE AND FOUNDATION PLAN. 7" MINIMUM EMBEDMENT. ALL METAL FRAMING ANCHORS AND HANGERS SHOWN ON DRAWINGS SHALL BE STRONG TIE CONNECTORS AS MANUFACTURED BY SIMPSON COMPANY.

PROVIDE FIREBLOCKING IN CONCEALED SPACES OF STUD WALLS & PARTITIONS, INCLUDING FURRED SPACES & PARALLEL ROWS OF STUDS OR STAGGERED STUDS AS FOLLOWS:

- VERTICALLY AT THE CEILING & FLOOR LEVELS.
- HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.

PROVIDE FIREBLOCKING AT OTHER LOCATIONS PER 2018 IRC R302.11.

INSULATION & MOISTURE PROTECTION

GENERAL

UNLESS NOTED OTHERWISE, INSULATION SHALL CONFORM TO THE WASHINGTON STATE ENERGY CODES. INSULATION BAFFLES TO MAINTAIN 1" CLEAR SPACE ABOVE INSULATION. BAFFLES TO EXTEND 6" ABOVE BATT INSULATION & 12" ABOVE LOOSE FILL INSULATION. INSULATE BEHIND BATHTUBS, SHOWNERS, PARTITIONS AND CORNERS. PROVIDE FACE STAPLED BATTS OR FRICTION FIT FACED BATTS. PROVIDE 4 MIL (0.004") POLYETHYLENE VAPOR BARRIER AT WALLS OR USE CLASS II PVA PRIMER. PROVIDE R-10 INSULATION UNDER ELECTRIC WATER HEATERS.

INFILTRATION CONTROL

- EXTERIOR JOINTS AROUND WINDOWS AND DOOR FRAMES, OPENINGS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOF AND BETWEEN WALL PANELS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS, FLOORS, AND ROOF, AND ALL OTHERS SUCH OPENINGS IN THE BUILDING ENVELOPE, INCLUDING ACCESS PANELS INTO UNHEATED SPACES, SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED TO LIMIT AIR INFILTRATION.
- ALL EXTERIOR DOORS, OTHER THAN FIRE-RATED DOORS, SHALL BE DESIGNED TO LIMIT AIR INFILTRATION AROUND THEIR PERIMETER WHEN IN A CLOSED POSITION. DOORS BETWEEN RESIDENCE AND GARAGE ARE NOT CONSIDERED "FIRE-RATED" AND MUST MEET THE ABOVE REQUIREMENT.
- ALL EXTERIOR WINDOWS SHALL BE DESIGNED TO ADMIT AIR INFILTRATION INTO OR FROM THE BUILDING ENVELOPE WHICH SHALL BE SUBSTANTIATED BY TESTING TO STANDARD ASTM E 283-T8. SITE BUILT AND MILLWORK SHOP MADE WOODEN SASH ARE EXEMPT FROM TESTING BUT SHALL BE WEATHER-STRIPPED, CAULKED AND MORE TIGHTLY FITTING. RECESSED LIGHT FIXTURES TO LIMIT AIR LEAKAGE PER W.S.E.C.
- RECESSED LIGHT FIXTURES TO LIMIT AIR LEAKAGE PER W.S.E.C.

PIPING FOR HOT WATER / STEAM SYSTEMS OF PIPING FOR CONTINUOUSLY CIRCULATING HOT WATER SERVICE IS REQUIRED TO BE INSULATED PER THE W.S.E.C. HOT WATER PIPING SHALL BE INSULATED TO A MINIMUM OF R-3 PER W.S.E.C. R403.5.3. MECHANICAL SYSTEM PIPING SHALL BE INSULATED TO A MINIMUM R-6 PER W.S.E.C. R403.4

VAPOR BARRIERS / GROUND COVERS

AN APPROVED VAPOR BARRIER SHALL BE PROPERLY INSTALLED IN ROOF DECKS, IN ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, AND AT EXTERIOR WALLS. INSET STAPLED BATTS WITH A FERM RATINGS LESS THAN ONE MAY BE INSTALLED IF THE VAPOR BARRIER IS TO THE WARM SIDE, STAPLES SHALL BE PLACED NOT MORE THAN 8" O.C. AND GAPS BETWEEN THE FACING AND THE FRAMING SHALL NOT EXCEED 1/16"

VAPOR RETARDERS AT WALLS PER IRC R702.7

A GROUND COVER OF 6 MIL (0.006") BLACK POLYETHYLENE OR EQUIVALENT SHALL BE LAID OVER THE GROUND IN ALL CRACK SPACES. THE GROUND COVER SHALL BE OVERLAPPED ONE FOOT AT EACH JOINT AND SHALL EXTEND TO THE FOUNDATION WALL.

GENERAL

PLANS COMPLY WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE.

CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY BRACINGS AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS HAVE BEEN MADE. IT IS THE CONTRACTORS RESPONSIBILITY TO IDENTIFY ALL DISCREPANCIES TO THE ARCHITECT AT THE TIME THEY ARE NOTED. DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS.

CODES:

- ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION SHALL BE FOLLOWED
- 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) WITH WASHINGTON STATE AMENDMENTS (WSA) EXCEPT CHAPTERS 11 AND 25 THROUGH 42 ARE NOT ADOPTED. APPENDICES F, G, & H ARE ADOPTED.
 - 2018 INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE AMENDMENTS (WSA)
 - 2018 INTERNATIONAL MECHANICAL CODE (IMC) WITH WASHINGTON STATE AMENDMENTS (WSA)
 - 2018 UNIFORM PLUMBING CODE (UPC) WITH WASHINGTON STATE AMENDMENTS.
 - 2018 INTERNATIONAL FIRE CODE WITH WASHINGTON STATE AMENDMENTS.
 - 2018 WASHINGTON STATE ENERGY CODE, RESIDENTIAL PROVISIONS (WSEC).

LOCAL JURISDICTION REQUIRES DWELLING UNIT FIRE SPRINKLER SYSTEM PER EITHER NFPA 13D YES OR I.R.C. P2904 NO

SITE WORK

GENERAL

ALL FOOTINGS TO BEAR ON FIRM, UNDISTURBED EARTH BELOW ORGANIC SURFACE SOILS. ALL BACK FILL MATERIAL SHALL BE THOROUGHLY COMPACTED. FOUNDATION VENTS SHALL NOT INTERFERE WITH THE DIRECT LOAD PATH OF COLUMNS.

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDER LAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP.
	SPEED (MPH)	TOPO-GRAPHIC EFFECTS	SPECIAL WIND REGION	WIND-BORNE DEBRIS ZONE		WEATHERING	FROST LINE DEPTH	TERMITES				
25 psf	110				D2	WEATHERING	12"	SLIGHT TO MODERATE	NO	N/A	113	58°F

EQUIVALENT FLUID PRESSURE = 35 P.S.F. (UNRESTRAINED WALLS)
50 P.S.F. (RESTRAINED WALLS)

DOORS, WINDOWS AND SKYLIGHTS

GENERAL

THE REQUIRED EGRESS DOOR MAY HAVE A MAXIMUM 1 3/4" STEP ON THE EXTERIOR SIDE FROM TOP OF THE THRESHOLD TO A MINIMUM 36" DEEP LANDING ON THE EXTERIOR SIDE OF THE DOOR. PROVIDED THE DOOR DOES NOT SWING OVER THE LANDING, PER R311.3.1. OTHER EXTERIOR DOORS MAY HAVE A MAXIMUM (2) 1 3/4" STEPS TO A MIN. 36" DEEP LANDING. ALL GLAZING SHALL MEET THE REQUIREMENTS OF THE 2018 W.S.E.C. TABLE R402.1.1 UNLESS NOTED OTHERWISE. ALL SKYLIGHTS AND SKYWALLS SHALL HAVE LAMINATED GLASS UNLESS NOTED OTHERWISE. ALL BEDROOM EMERGENCY EGRESS WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET. MINIMUM NET CLEAR OPERABLE WIDTH OF 20" AND A MINIMUM NET CLEAR OPENING HEIGHT OF 24", MAXIMUM SILL HEIGHT OF 44" MEASURED FROM THE FINISHED FLOOR TO THE BOTTOM OF THE CLEAR OPENING. OPERABLE WINDOWS WITH A SILL OF MORE THAN 72" ABOVE FINISHED GRADE OR SURFACE BELOW, TO BE A MINIMUM OF 24" ABOVE ADJACENT FINISHED FLOOR.

SAFETY GLAZING LOCATIONS PER 2018 IRC SECTION R308.4

- R308.4.1 GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGS, SLIDING AND BI-FOLD DOORS.
- R308.4.2 GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR & THE GLAZING IS EITHER WITHIN 24 INCHES OF EITHER SIDE OF THE DOOR IN THE PLANE OF THE DOOR IN A CLOSED POSITION OR ON A WALL LESS THAN 180 DEGREES FROM THE PLANE OF THE DOOR IN A CLOSED POSITION & WITHIN 24 INCHES OF THE HINGE SIDE OF AN IN-SWINGING DOOR.
- R308.4.3 GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
- THE EXPOSED AREA OF AN INDIVIDUAL PANEL IS LARGER THAN 9 SQUARE FEET;
 - THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR;
 - THE TOP EDGE OF THE GLAZING IS MORE THAN 36" ABOVE THE FLOOR; AND
 - ONE OR MORE WALKING SURFACES ARE WITHIN 36" MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE GLAZING.
- R308.4.4 GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS, REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE.
- R308.4.5 GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWNERS AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.
- R308.4.6 GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 INCHES (914 MM) ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS.
- R08.4.7 GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36 INCHES ABOVE THE LANDING AND WITHIN A 60° HORIZONTAL ARC LESS THAN 180 DEGREES FROM THE BOTTOM TREAD NOSING.

FOR EXCEPTIONS SEE IRC SECTION R308.4

SHEET INDEX

SHEET #	DESCRIPTION
SITE	
A0	SITE PLAN
ARCHITECTURAL	
A1	COVERSHEET
A2	SCHEDULE SHEET
A3	DETAIL SHEET
A4	FOUNDATION PLAN
A5	MAIN FLOOR FRAMING PLAN
A6	MAIN FLOOR PLAN
A7	UPPER FLOOR FRAMING PLAN
A8	UPPER FLOOR PLAN
A9	ROOF FRAMING PLAN
A10	EXTERIOR ELEVATIONS
A11	EXTERIOR ELEVATIONS
A12	BUILDING SECTIONS
A13	BUILDING SECTIONS
STRUCTURAL	
S1	LATERAL - STRUCT. NOTES, SCHEDULES & DETAILS FROM ENG
S2	LATERAL - STRUCT. NOTES, SCHEDULES & DETAILS FROM ENG
S3	LATERAL - SHEAR WALLS & HARDWARE

ARCHITECTS

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 T

ADU

AIR LEAKAGE, SIMPLE HEATING SYSTEM SIZE, PRESCRIPTIVE ENERGY CODE COMPLIANCE, ENERGY CREDIT SUMMARY TABLES, WINDOW, SKYLIGHT & DOOR SCHEDULE, EXHAUST RATES, ALARM SCHEDULE

PRESCRIPTIVE ENERGY CODE COMPLIANCE, ENERGY CREDIT SUMMARY TABLES, WINDOW, SKYLIGHT & DOOR SCHEDULE, EXHAUST RATES, ALARM SCHEDULE

WHOLE-HOUSE MECHANICAL VENTILATION (PRESCRIPTIVE), MECHANICAL VENTILATION AIRFLOW RATE, INTERMITTENT OFF OPERATION, SIMPLE HEATING SYSTEM SIZE

WHOLE-HOUSE MECHANICAL VENTILATION (PRESCRIPTIVE), MECHANICAL VENTILATION AIRFLOW RATE, INTERMITTENT OFF OPERATION, SIMPLE HEATING SYSTEM SIZE

ROOF VENTILATION, MECHANICAL VENTILATION AIRFLOW RATE, INTERMITTENT OFF OPERATION, SIMPLE HEATING SYSTEM SIZE

ROOF VENTILATION, MECHANICAL VENTILATION AIRFLOW RATE, INTERMITTENT OFF OPERATION, SIMPLE HEATING SYSTEM SIZE

PRESCRIPTIVE ENERGY CODE COMPLIANCE, ENERGY CREDIT SUMMARY TABLES, WINDOW, SKYLIGHT & DOOR SCHEDULE, EXHAUST RATES, ALARM SCHEDULE

ENERGY CREDIT NOTES, FUEL NORMALIZATION, ENERGY CREDITS

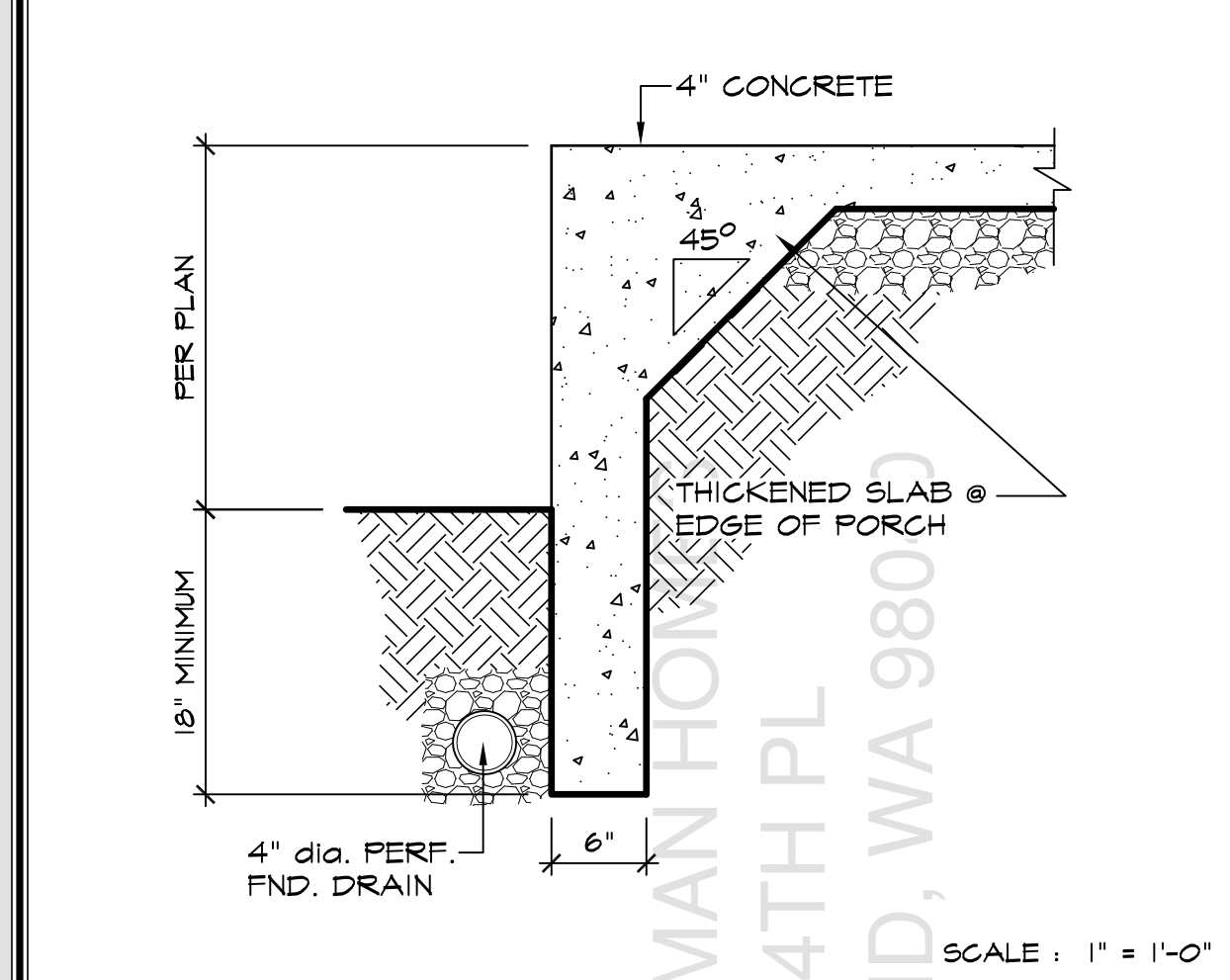
FOUNDATION VENTILATION, VAPOR RETARDER, MECHANICAL VENTILATION AIRFLOW RATE, INTERMITTENT OFF OPERATION, SIMPLE HEATING SYSTEM SIZE

WHOLE-HOUSE MECHANICAL VENTILATION (PRESCRIPTIVE), MECHANICAL VENTILATION AIRFLOW RATE, INTERMITTENT OFF OPERATION, SIMPLE HEATING SYSTEM SIZE

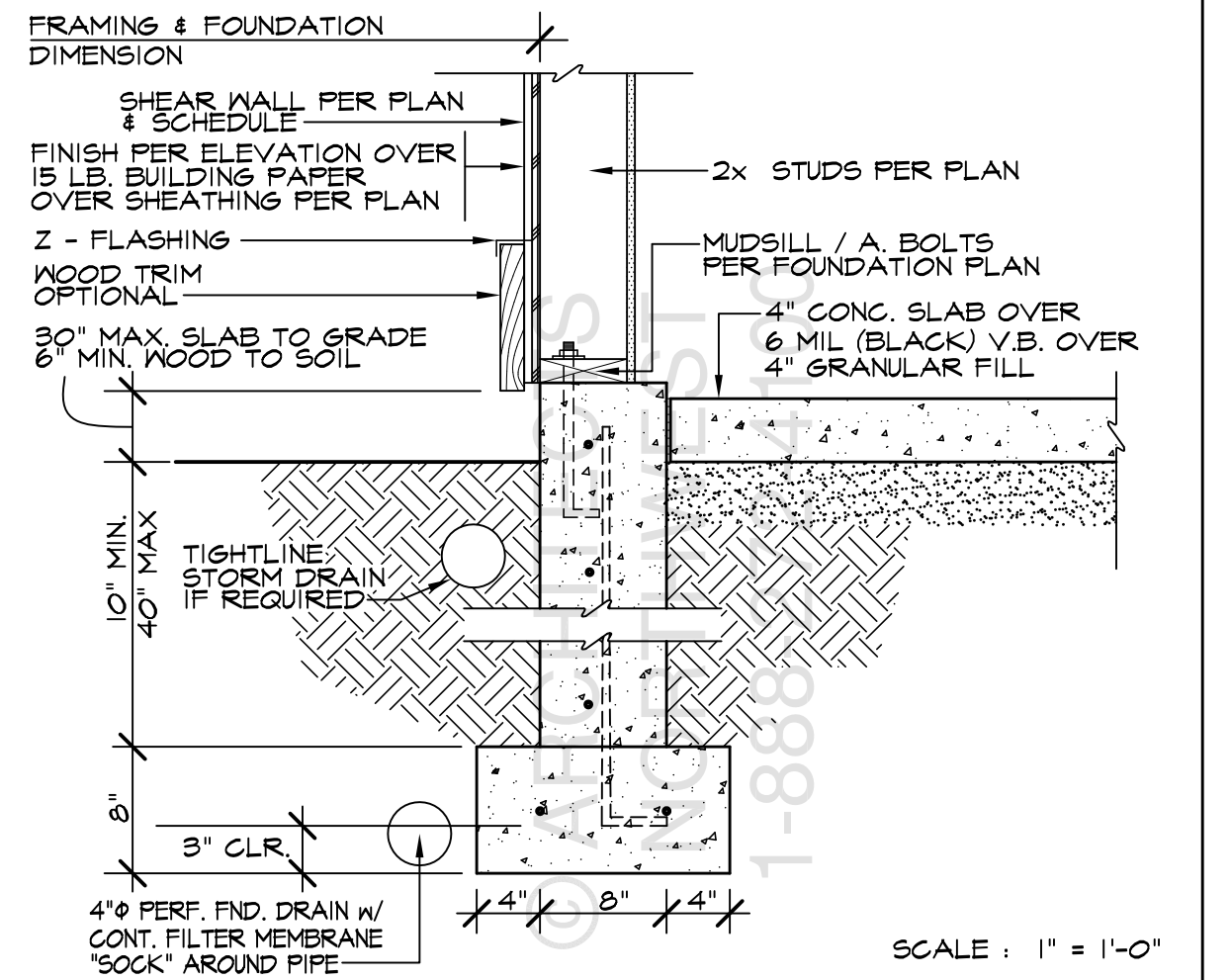
EXHAUST RATES, ALARM SCHEDULE

HOUSE

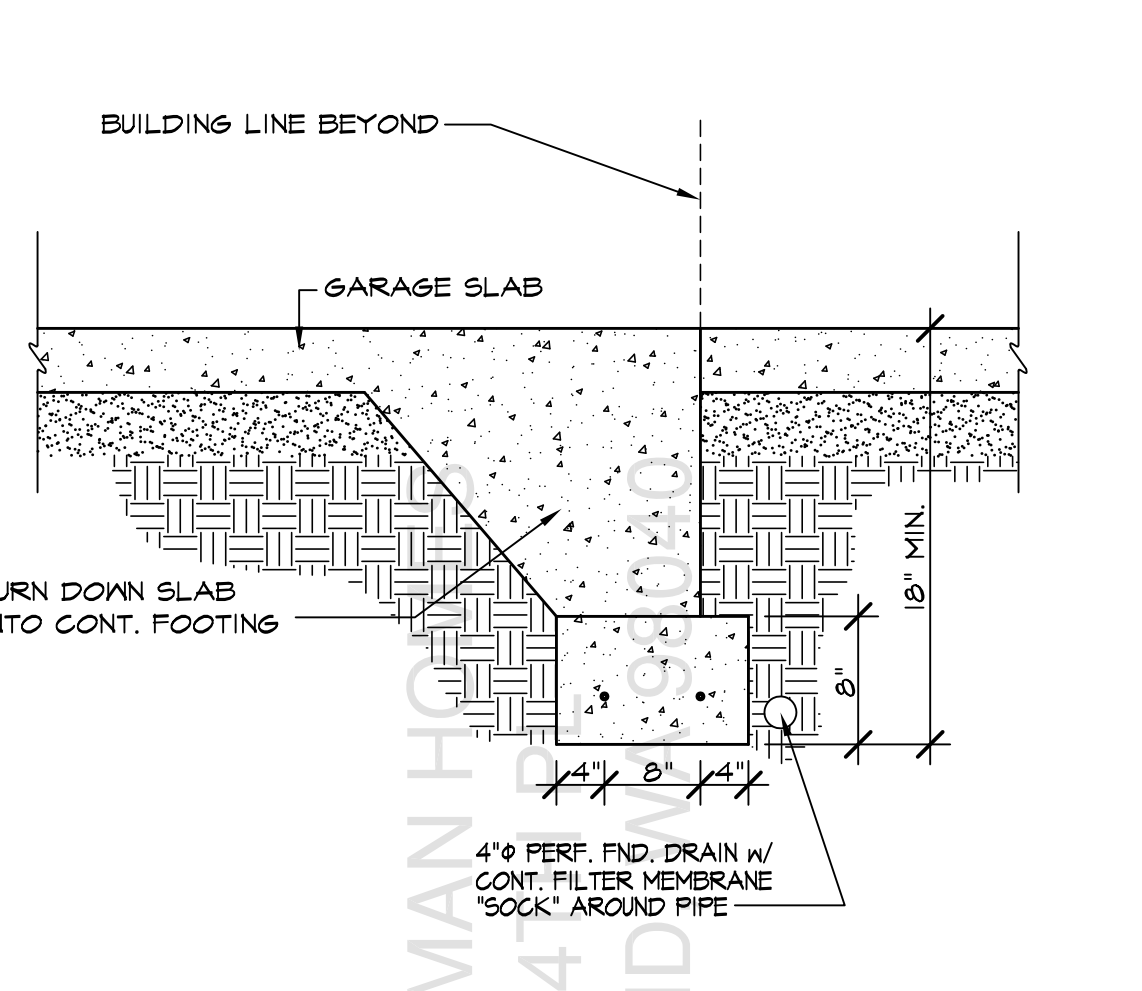
ARCHITECTS NORTHWEST, PLAN M2595B3F-9, 18915-142ND AVENUE NE SUITE 100, WOODINVILLE, WA 98072



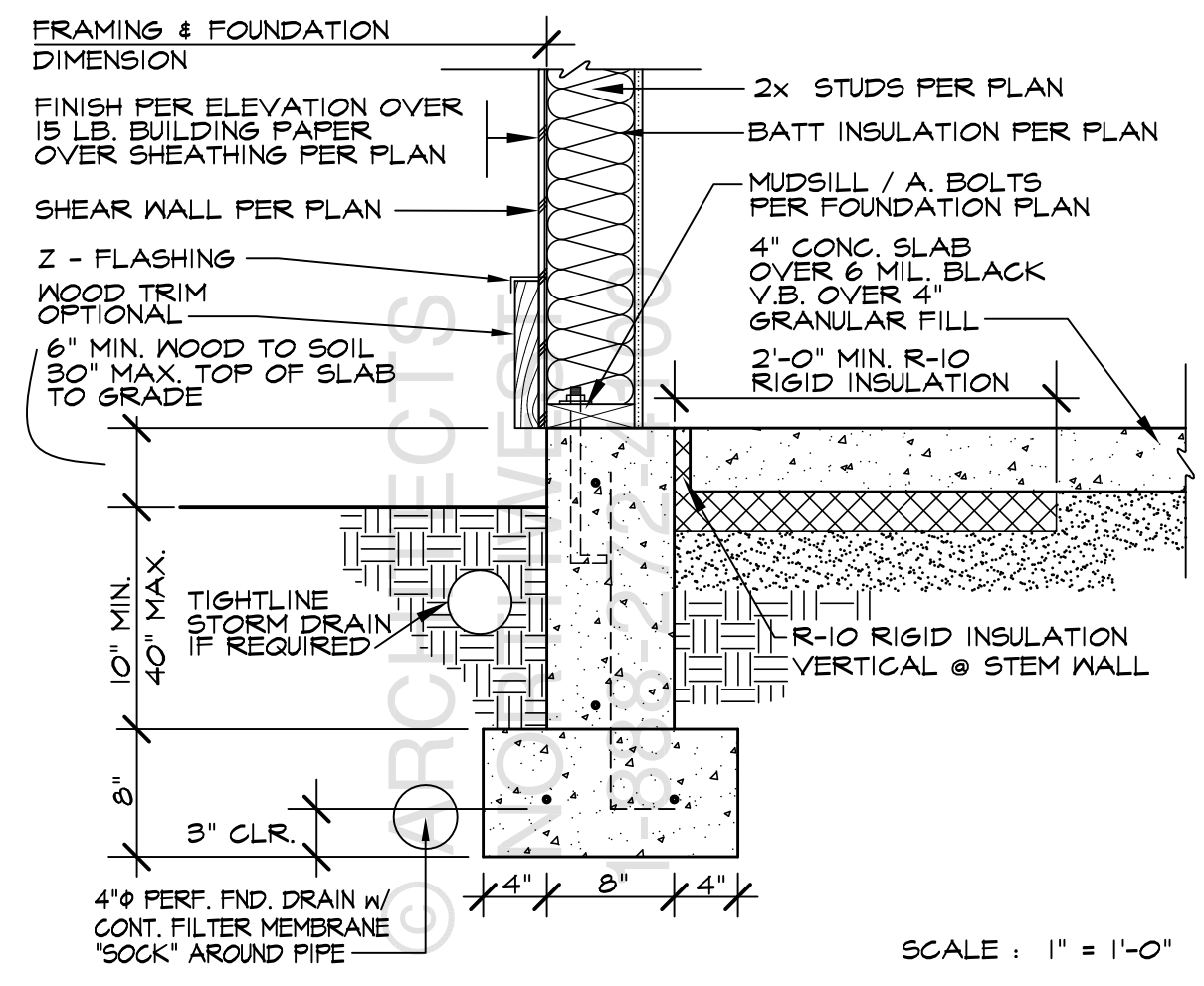
1 FND. WALL PORCH



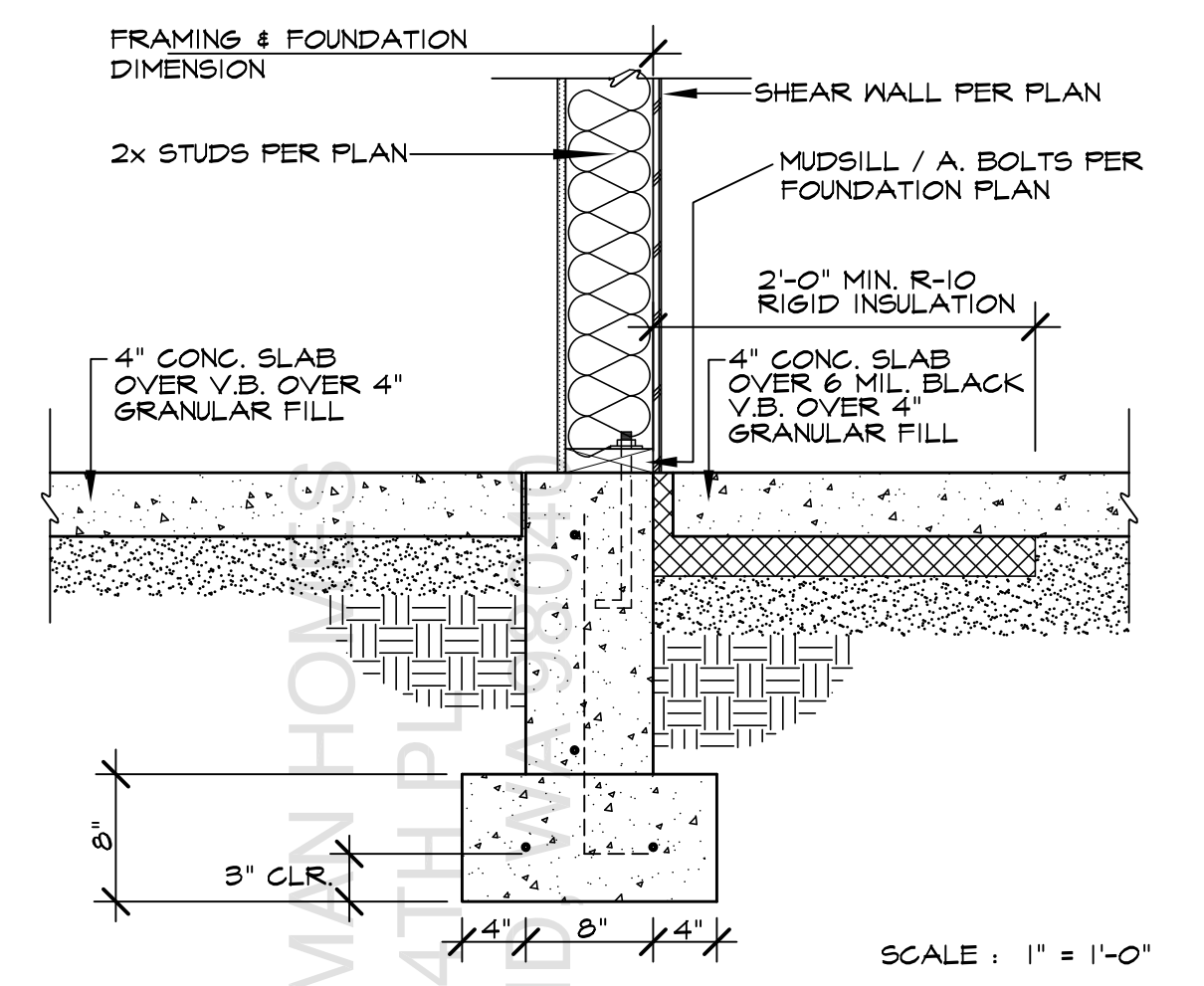
2 8" GARAGE FND. WALL



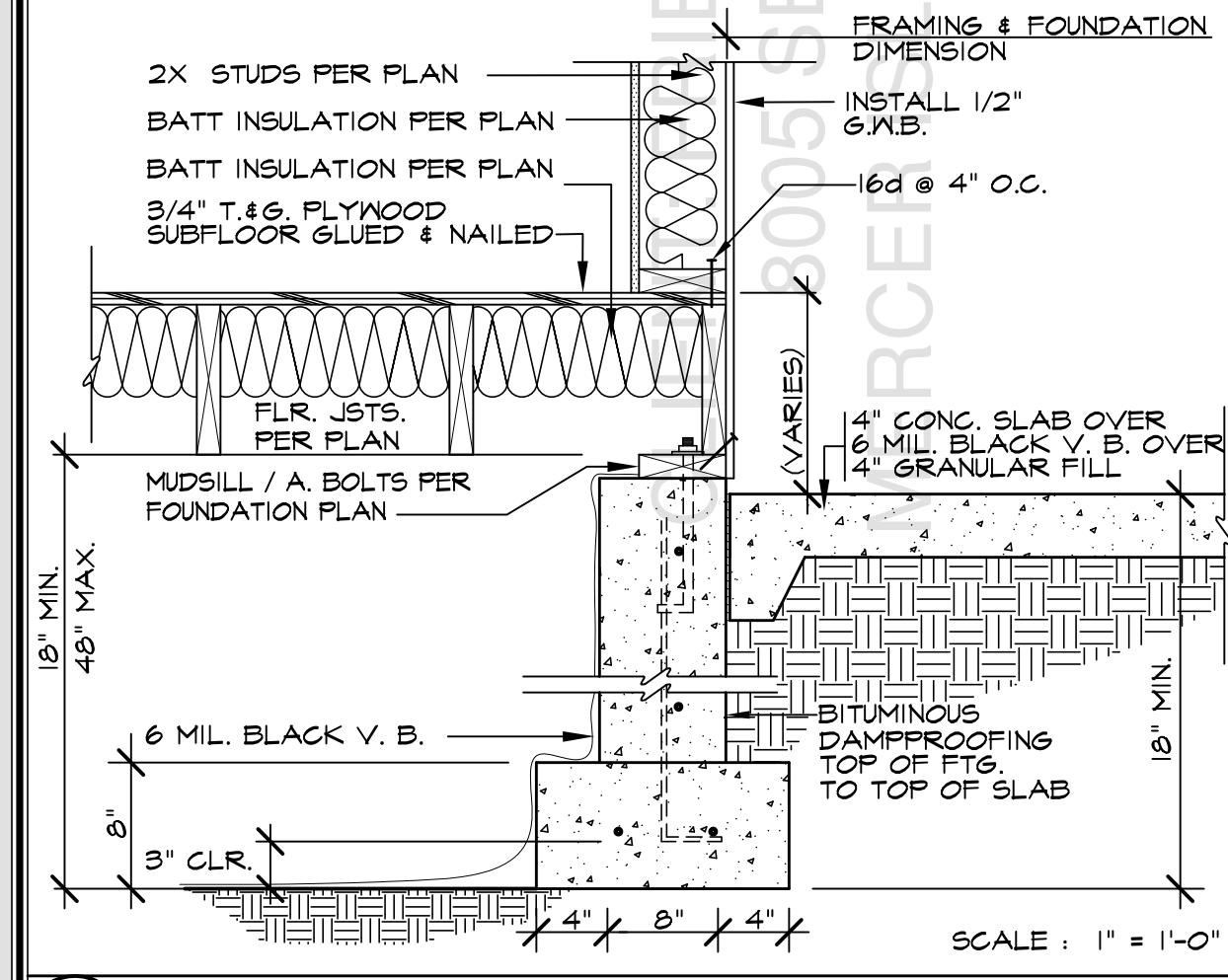
3 THICKENED SLAB @ O.H. DOOR



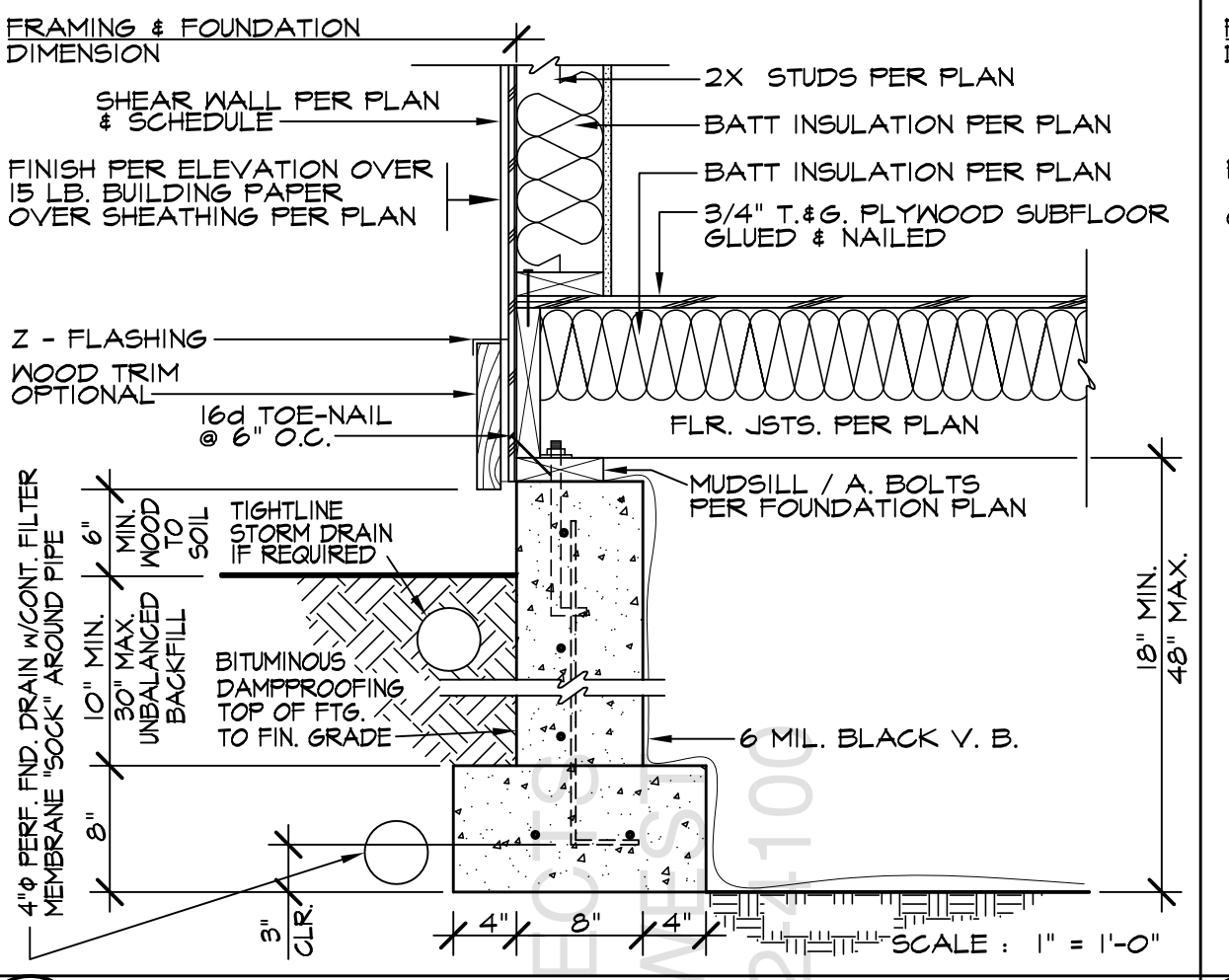
4 8" FND. WALL W/ INSUL. SLAB



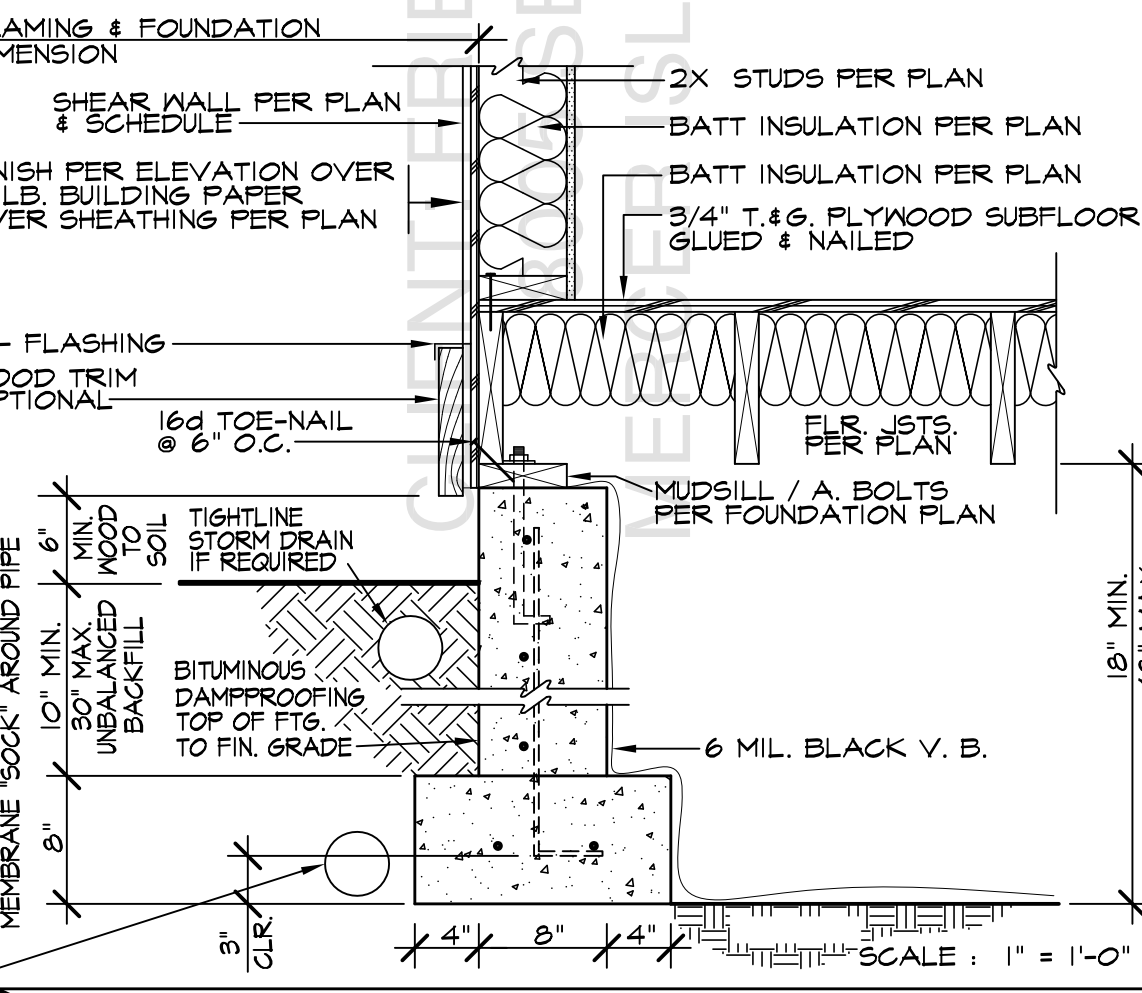
5 8" STEM WALL W/ SLAB



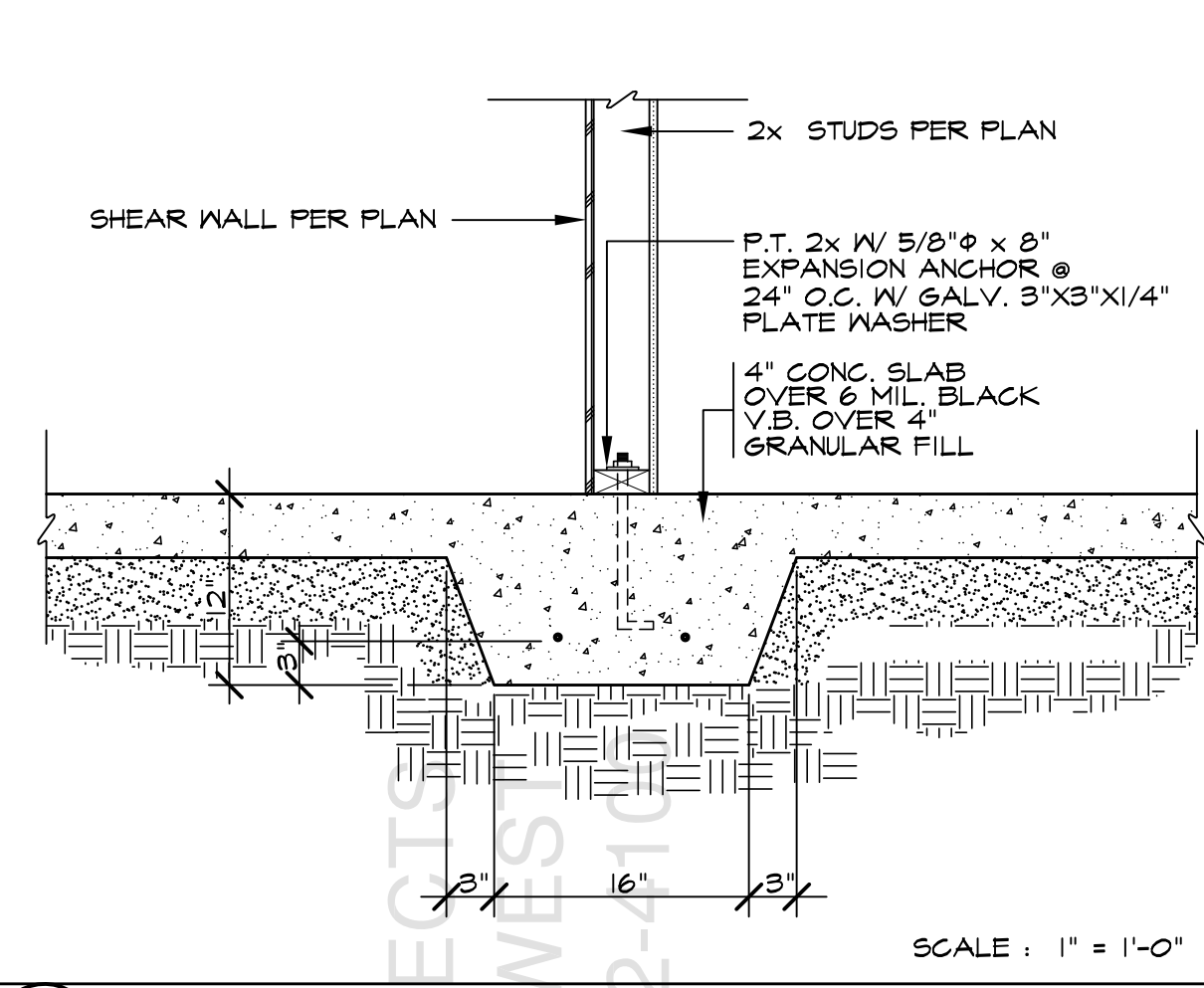
6 8" FND. WALL @ GARAGE



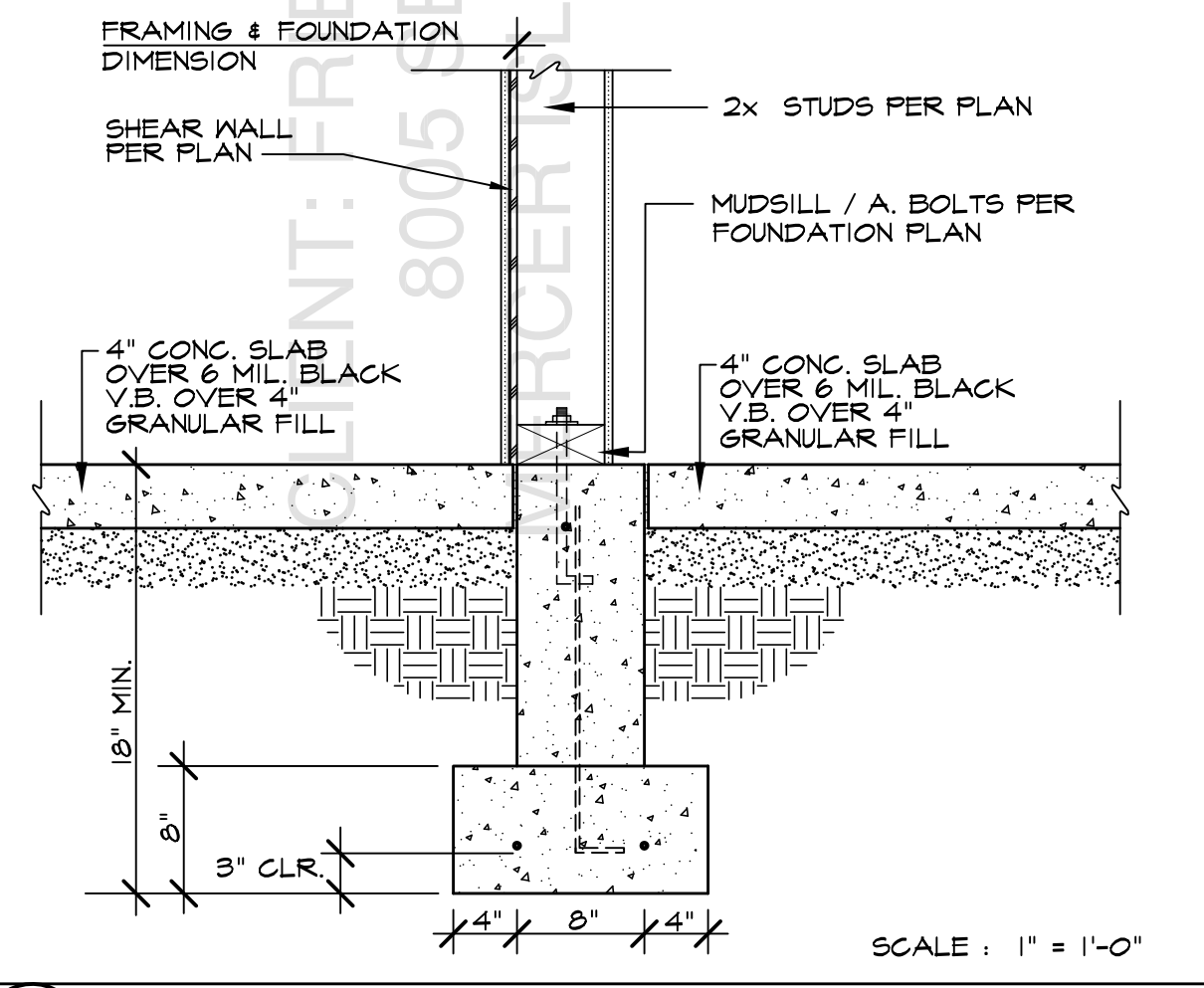
7 8" FND. WALL



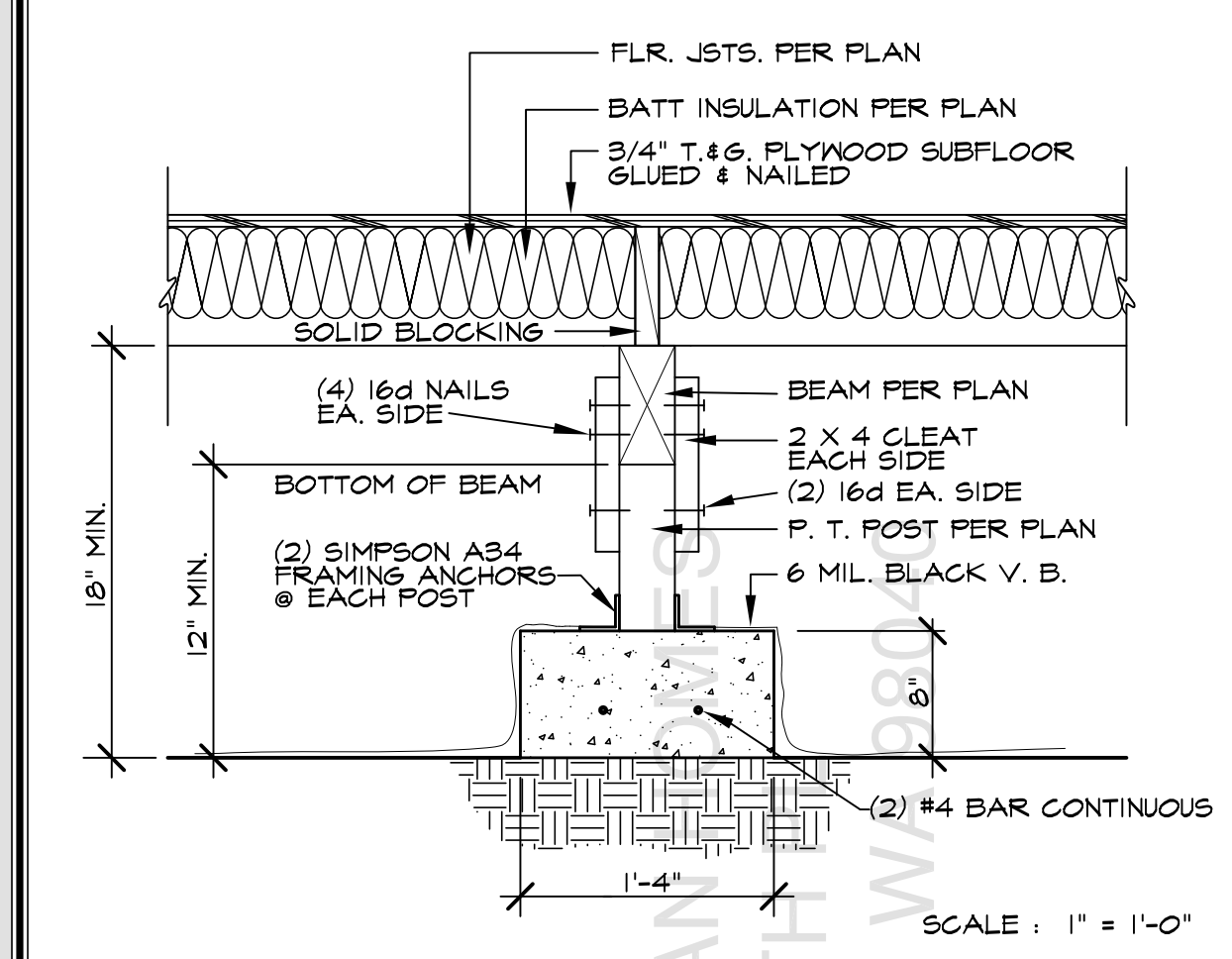
8 8" FND. WALL



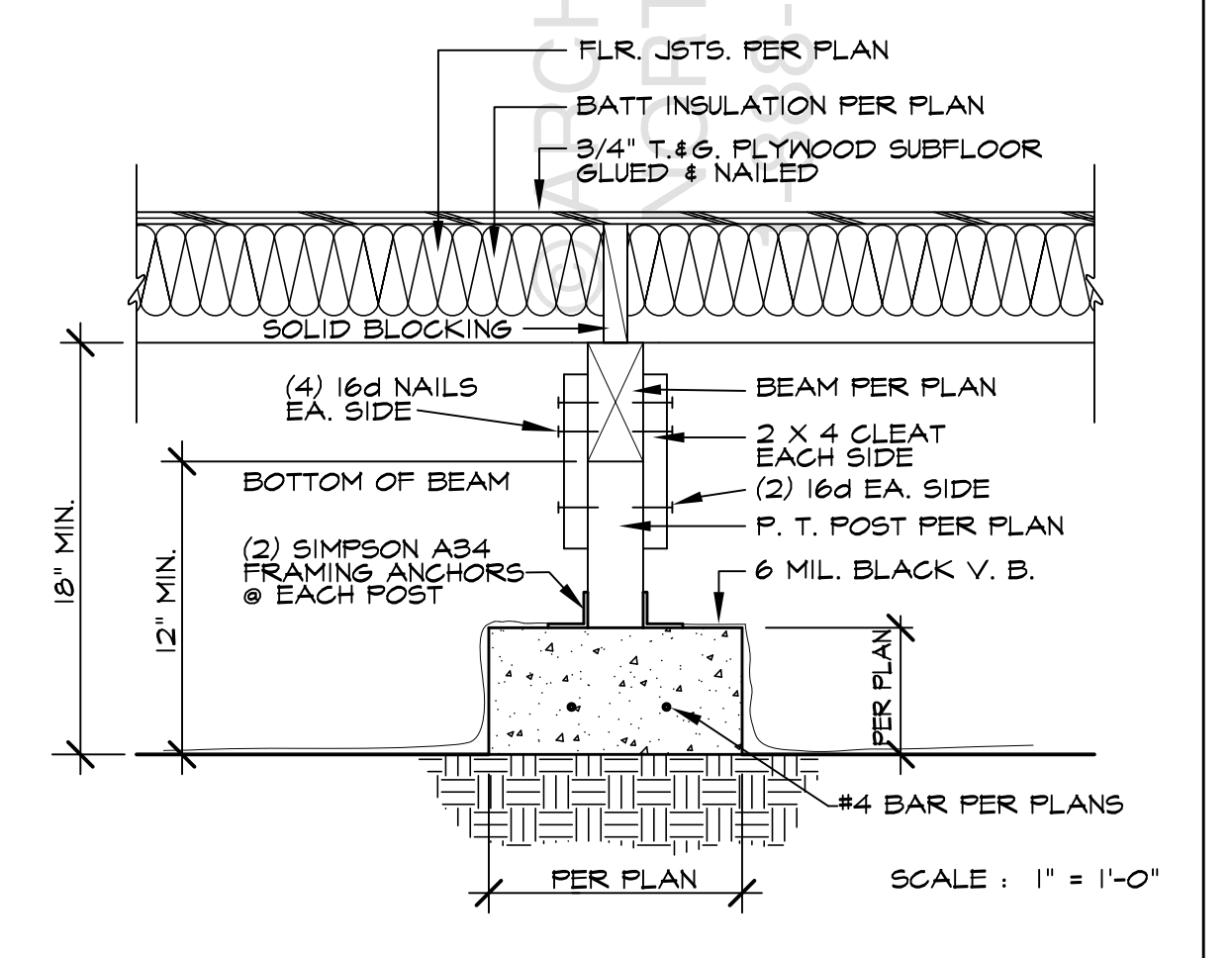
9 THICKENED SLAB



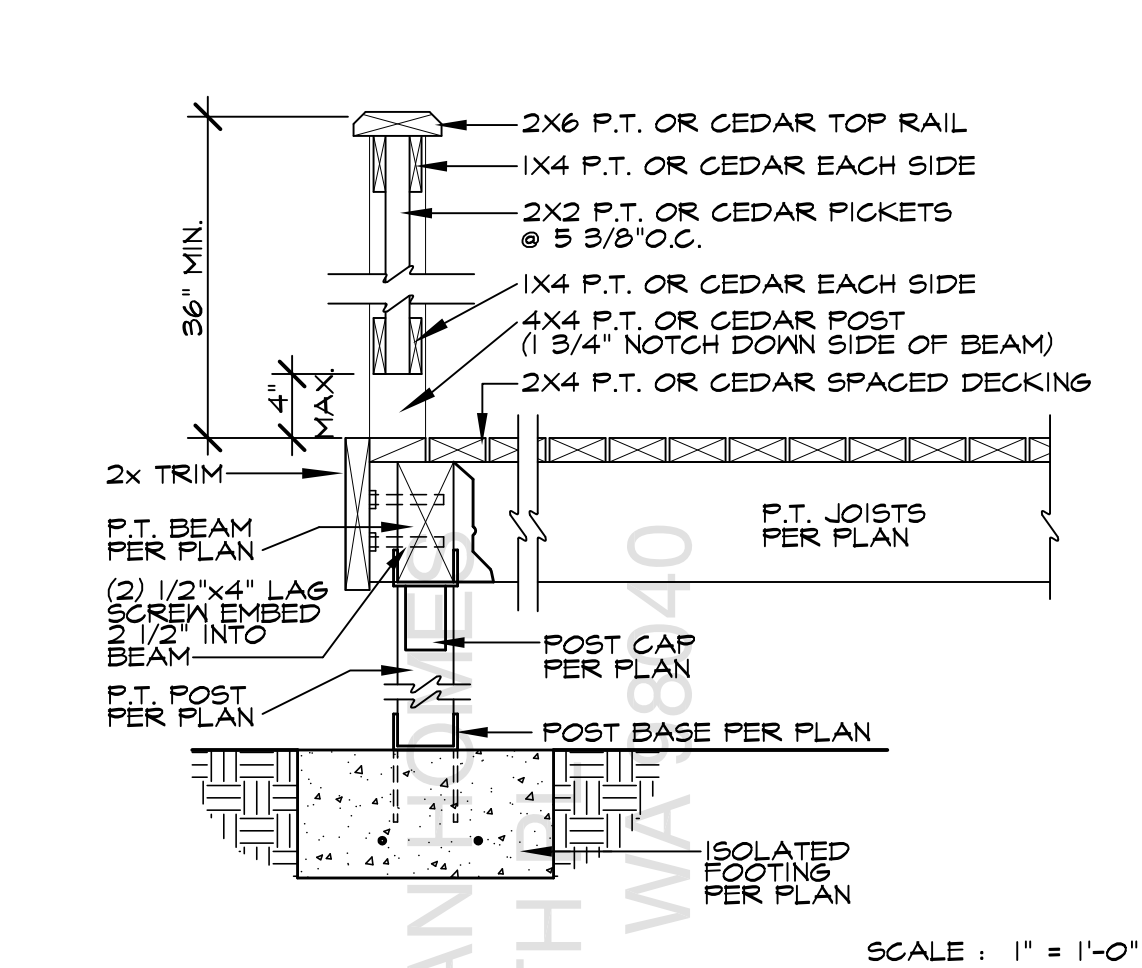
10 8" STEM WALL W/ SLAB



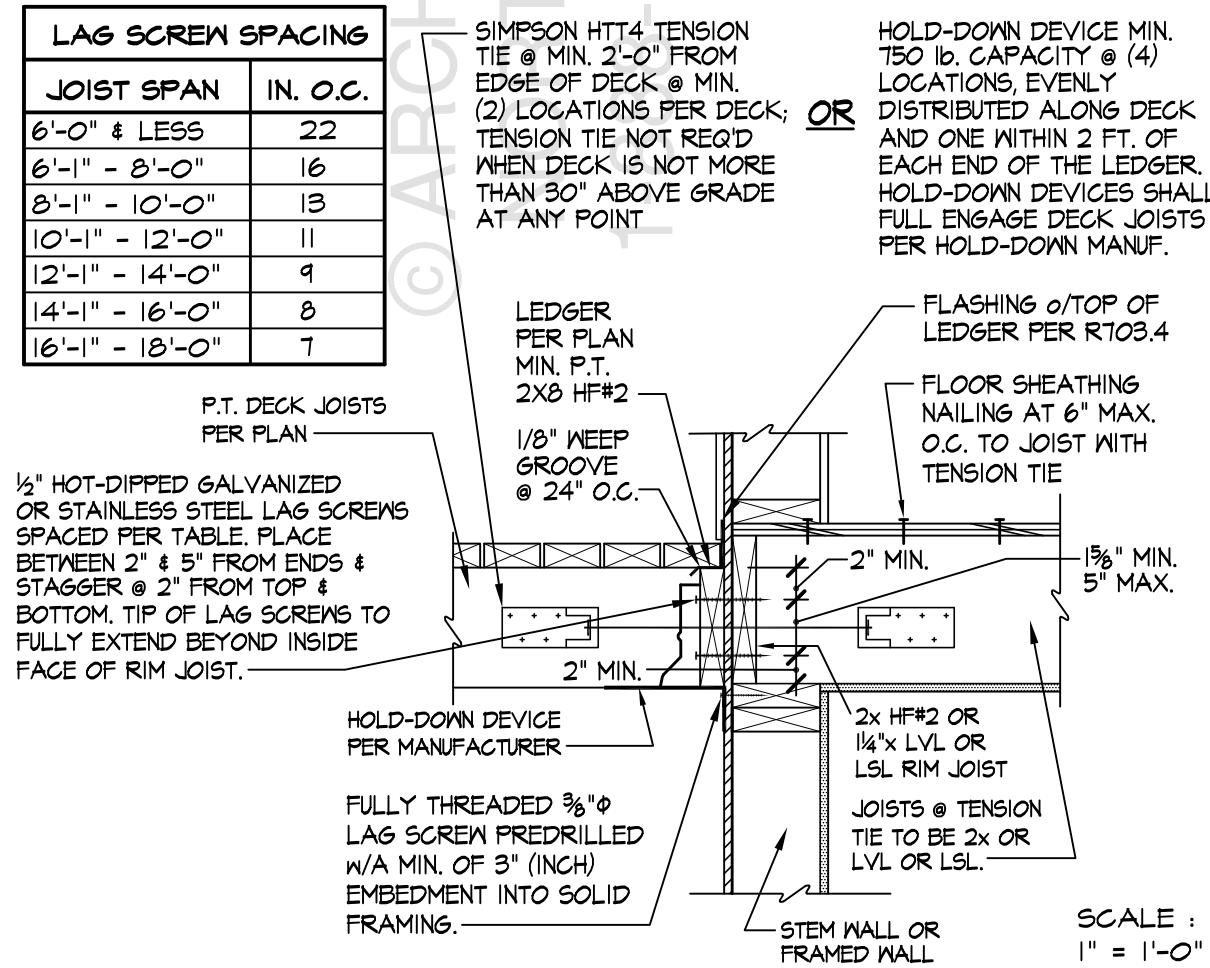
11 CONTINUOUS FOOTING



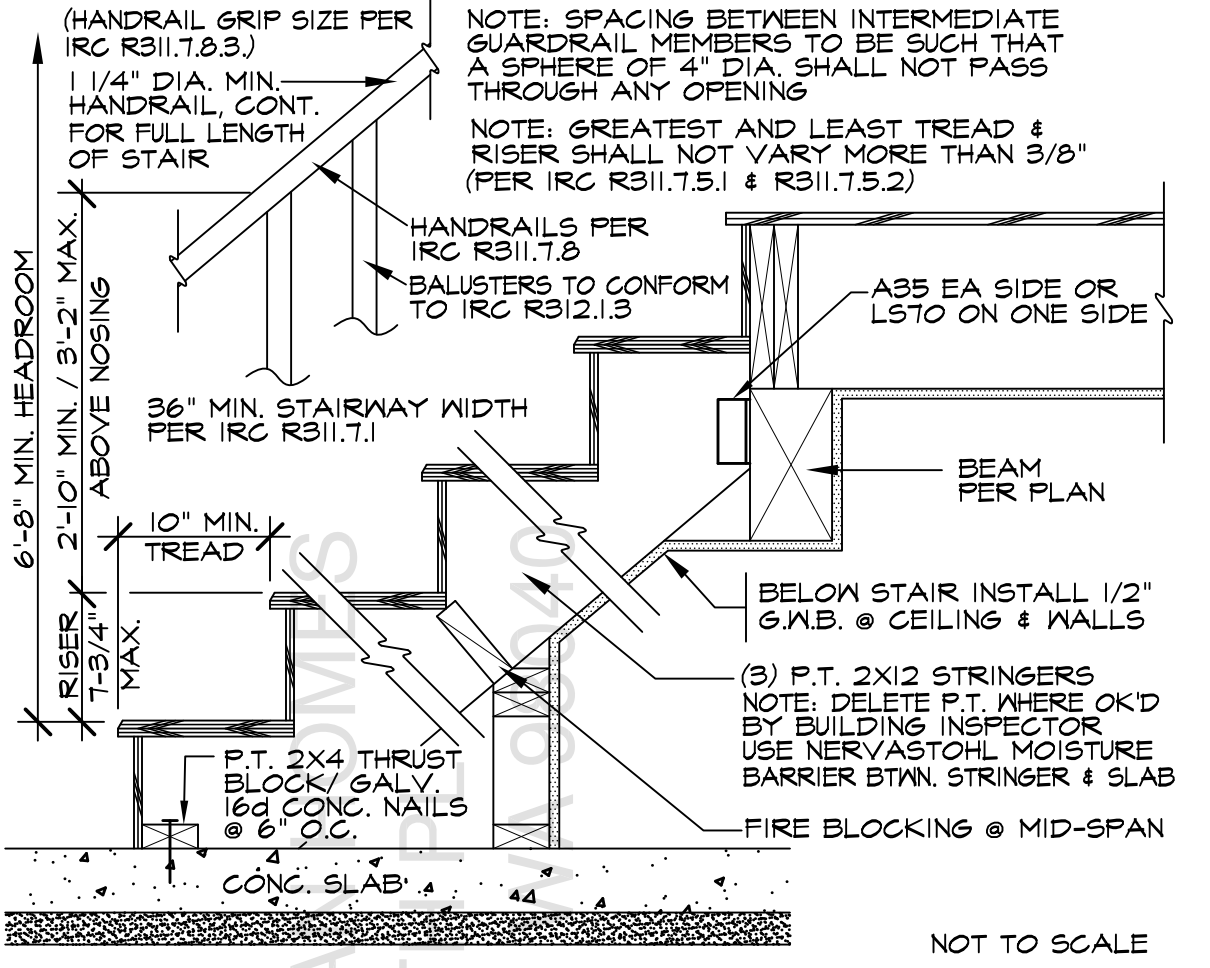
12 ISOLATED FOOTING



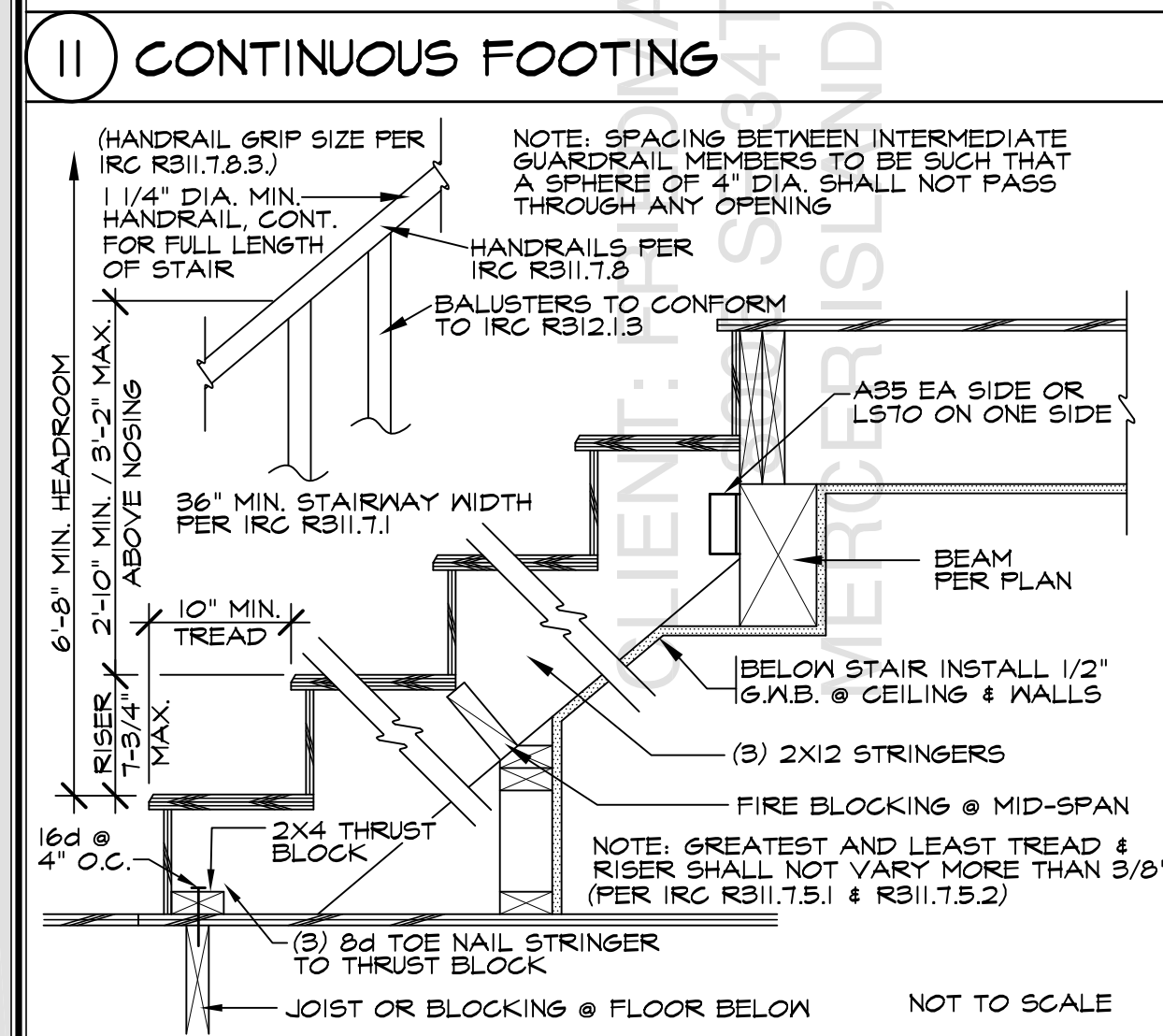
13 DECK W/ FLUSH BEAM



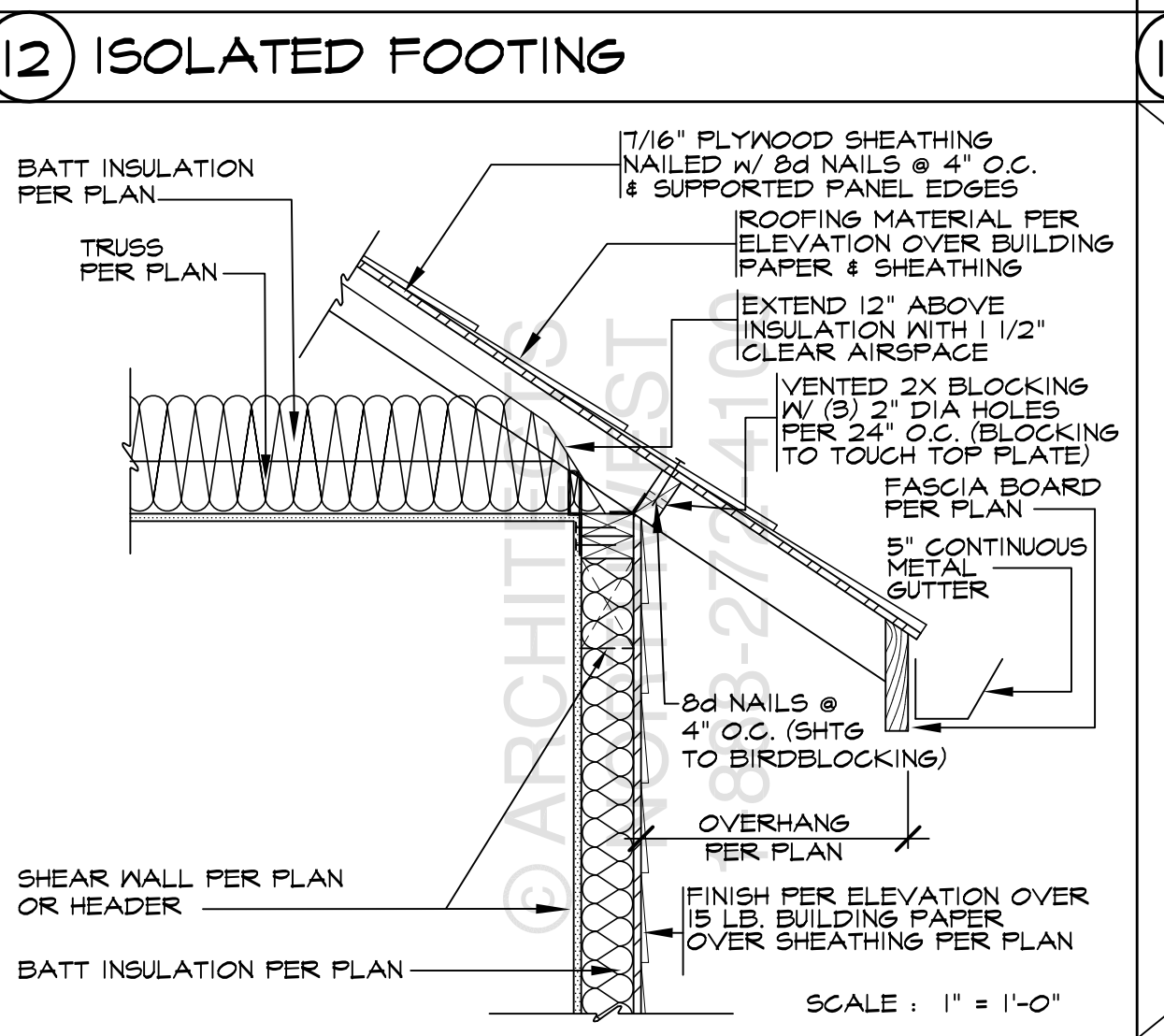
14 DECK LEDGER DETAIL



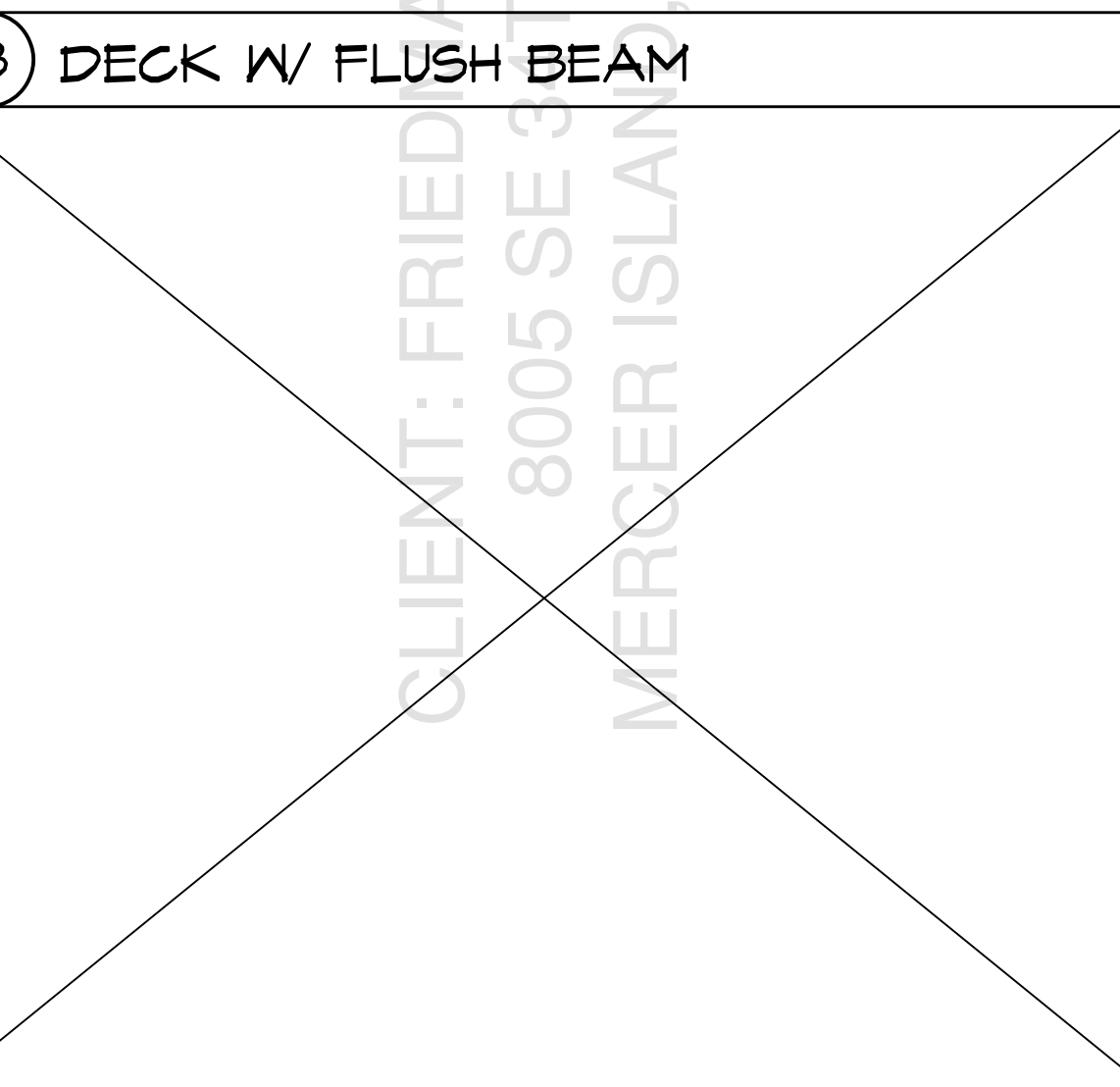
15 INTERIOR STAIR W/ SLAB



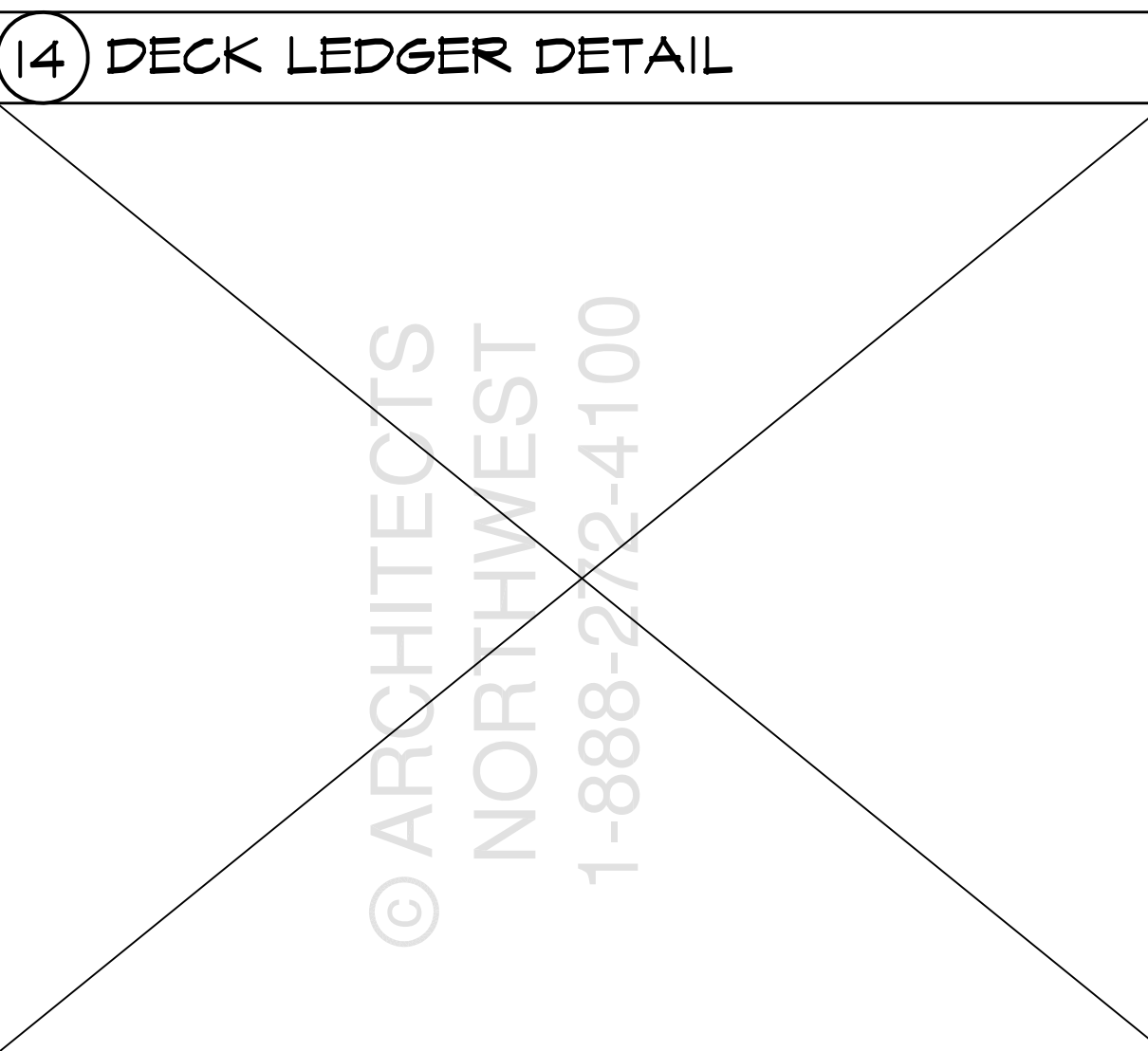
16 INTERIOR STAIR



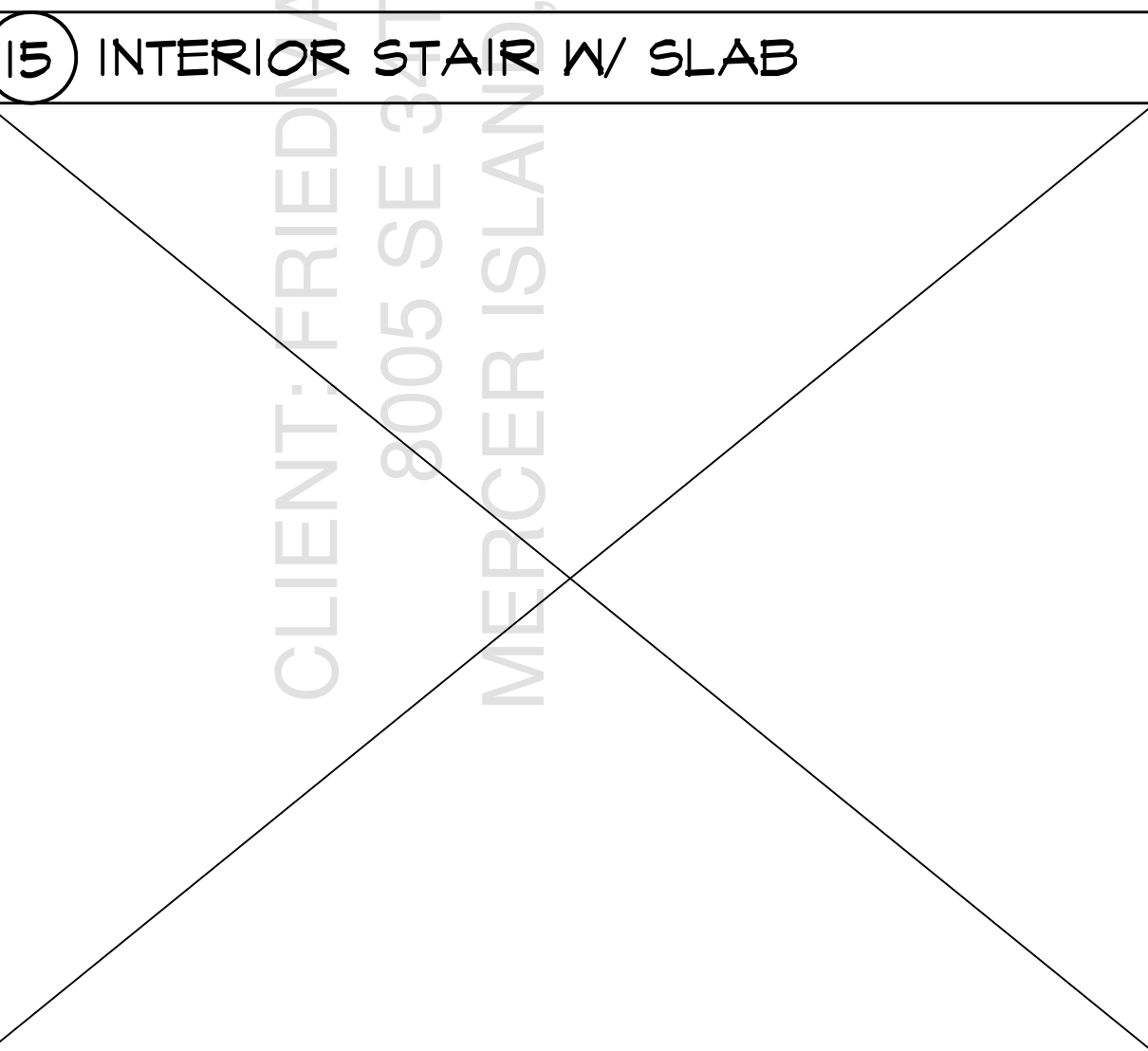
17 FLAT CEILING & EAVE



18 NOT USED



19 NOT USED



20 NOT USED

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12/20/21
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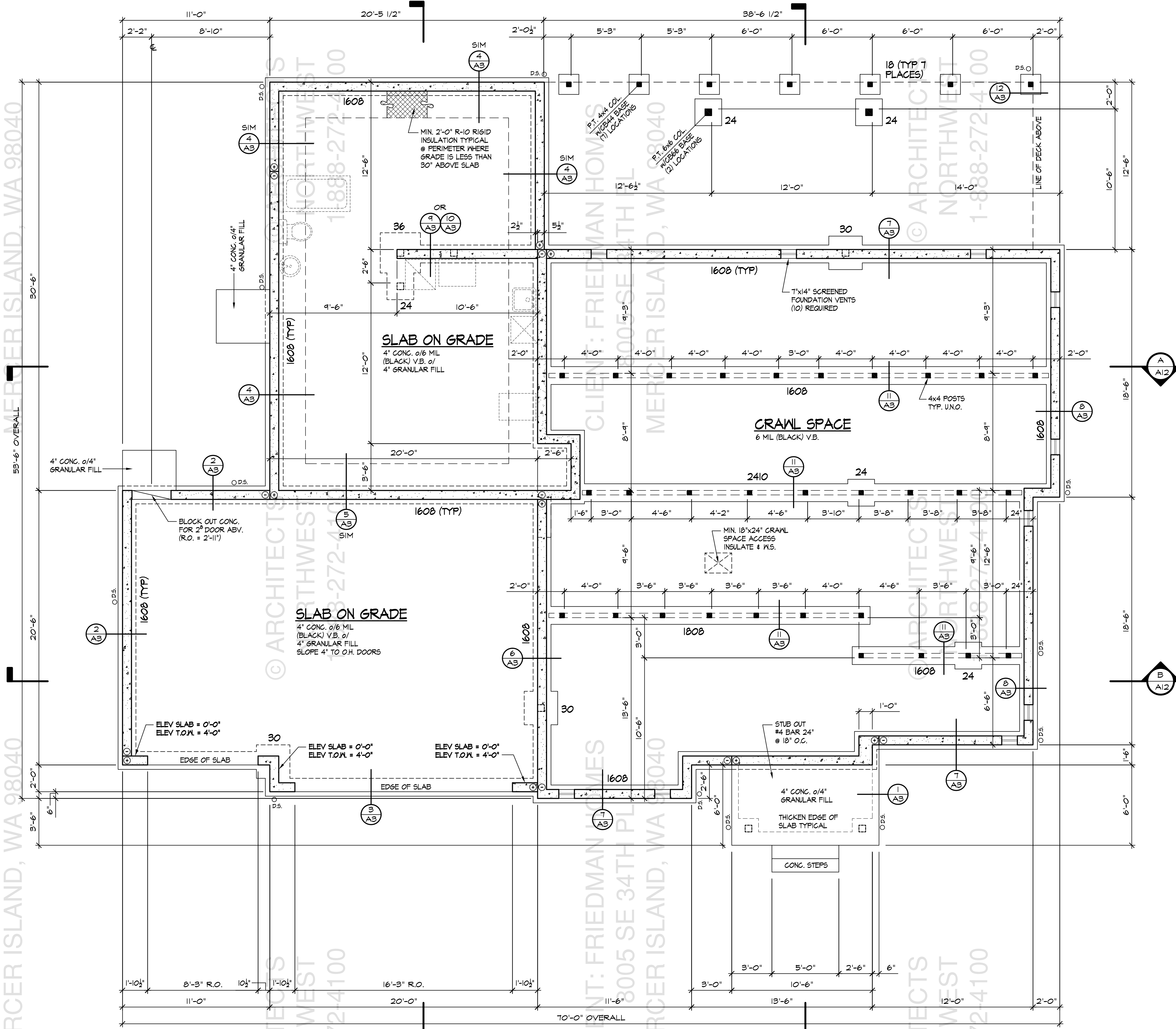
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TOLL FREE: 1-888-272-4100 WWW.ARCHITECTSNW.COM

FRIEDMAN HOMES
PLAN M2595B3F-9

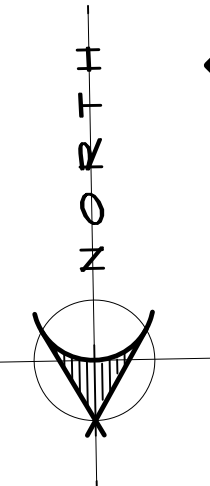
DESIGNED BY: TC DATE: 2013
DRAWN BY: JRA DATE: 8/11/14
PROJECT MANAGER: MARCUS JENKINS
REVISED BY: BPS DATE: 4/15/17
BPS DATE: 4/25/19
BPS DATE: 8/19/19
BPS DATE: 10/2/19
BPS DATE: 12/20/21
LATERAL BY: FITZER DATE: 12/17/21
LATERAL JOB NUMBER: 21-140
A3
A13
ANW JOB NUMBER: 210248

CLIENT: FRIEDMAN HOMES
8005 SE 34TH PL
MERCER ISLAND, WA 98040

CLIENT: FRIEDMAN HOMES
8005 SE 34TH PL
MERCER ISLAND, WA 98040



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



EXPIRES 12-02-28

- FOUNDATION NOTES:**
- CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
 - ALL FOOTINGS TO REST ON UNDISTURBED SOIL.
 - ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED.
 - SOFFIT & INSULATE CANTILEVERED AREAS.
 - STEP FOUNDATION PER SITE CONDITIONS.
 - 1500 P.S.F. ASSUMED SOIL BEARING CAPACITY SHALL BE VERIFIED IN FIELD.
 - SEE SHEET A1 FOR ADDITIONAL NOTES.
 - SEE SHEET A2 FOR FOUNDATION VENTILATION CALCULATION.

NOTE: SEE 'S' SHEETS FOR LATERAL INFORMATION & ENGINEERING DETAILS

PROVIDE BITUMINOUS DAMPROOFING FROM TOP OF FTG. TO FIN. GRADE AT BASEMENT WALLS AND CRAWL SPACE WALLS.

FRIEDMAN HOMES

PLAN M2595B3F-9

DESIGNED BY:	DATE:
TC	2013
DRAWN BY:	DATE:
JRA	8/11/14
PROJECT MANAGER:	
MARCUS JENKINS	DATE:
BPS	9/15/17
BPS	4/25/19
BPS	8/19/19
BPS	10/2/19
BPS	12/20/21
LATERAL BY:	
PITZER	DATE:
	12/7/21
LATERAL JOB NUMBER:	
	21-140

A4
A13

ANW JOB NUMBER:
210248

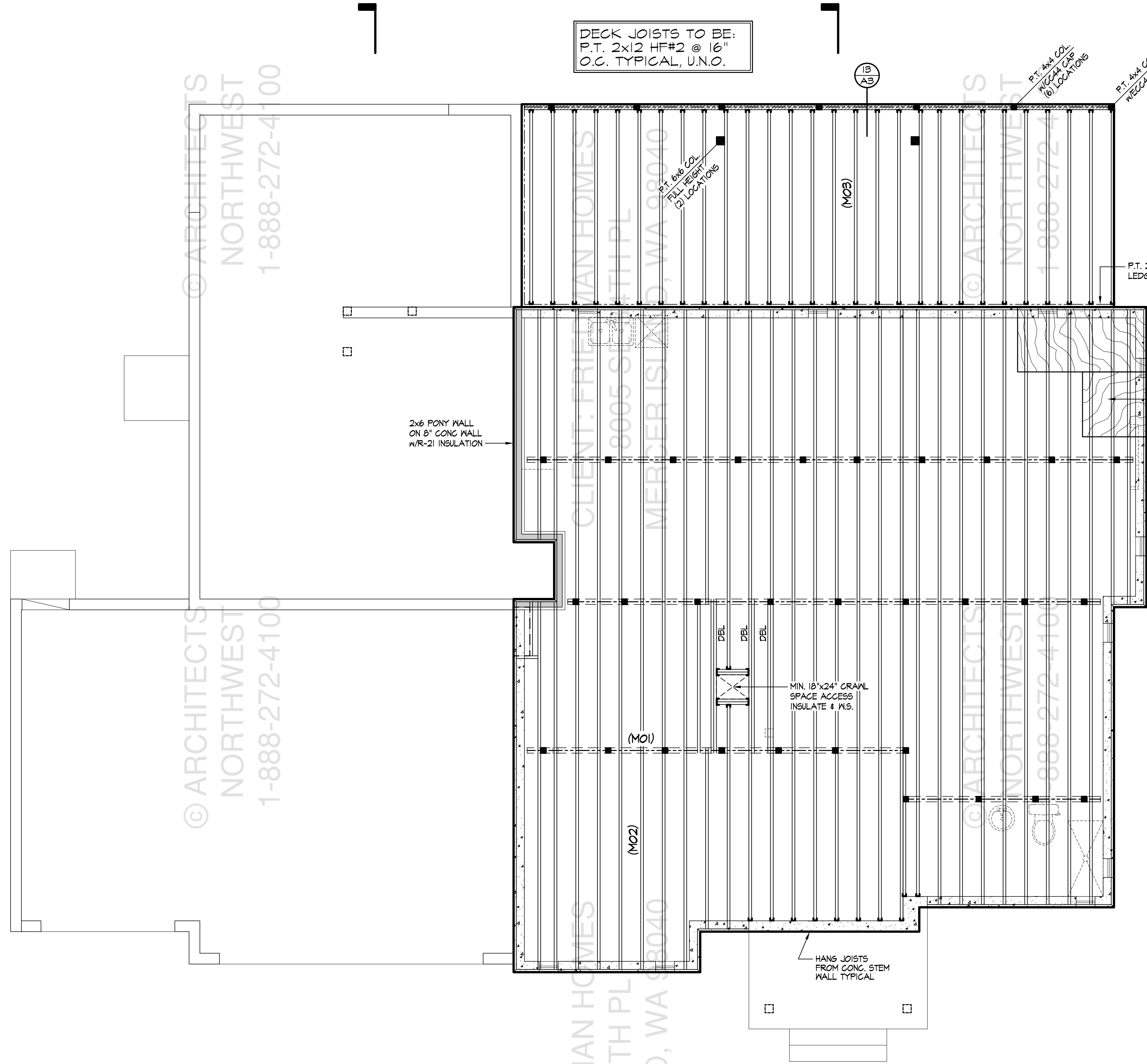
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18915-142ND AVENUE NE SUITE 100
WOODINVILLE WA 98072
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FAX: (425) 487-6585
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12/20/21

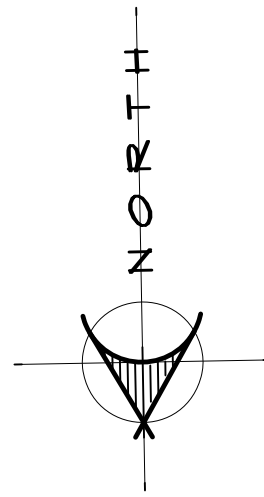
CLIENT: FRIEDMAN HOMES
8005 SE 34TH PL
MERCER ISLAND, WA 98040

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8005 SE 34TH PL
MERCER ISLAND, WA 98040



MAIN FLOOR
FRAMING PLAN

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



BEAM SCHEDULE

- M01 - 4x10 DF#2
- M02 - 2x10 HF#2 @ 16" O.C.
- M03 - 2x12 HF#2 @ 16" O.C.

FLOOR FRAMING NOTES:

1. CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
2. ALL FLOOR JOISTS TO BE 2x10 HF#2 @ 16" ON CENTER UNLESS NOTED OTHERWISE (U.N.O.)
3. ALL BEAMS TO BE 4x10 DF#2 TYPICAL, U.N.O.
4. POSTS TO BE 4x4 DF#2 & 4x6 DF#2 @ BEAM JOINTS, U.N.O.
5. PROVIDE SOLID BLOCKING OVER SUPPORTS.
6. PROVIDE FIRE BLOCKING @ ALL PLUMBING PENETRATIONS.
7. BEARING WALLS ARE SHADED.
8. PLUMBING AND MECHANICAL FIXTURES ARE DASHED.
9. ■ INDICATES POINT LOAD SUPPORTED BY (2) STUDS, U.N.O.
10. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED.
11. SEE SHEET A1 FOR ADDITIONAL NOTES.

NOTE: SEE 'S' SHEETS FOR LATERAL INFORMATION & ENGINEERING DETAILS

BEAM SCHEDULE

PLAN VIEW	DESCRIPTION
---	DROPPED BEAM DESIGNATED ON FLOOR PLANS.
----	DROPPED BEAM DESIGNATED ON FRAMING PLANS.
▨	FLUSH AND TOP FLUSH BEAM DESIGNATED ON FRAMING PLANS.
▩	UPSET BEAM DESIGNATED ON FRAMING PLANS.



FRIEDMAN HOMES
PLAN M2595B3F-9

DESIGNED BY: TC DATE: 2013
DRAWN BY: JRA DATE: 8/11/14

PROJECT MANAGER: MARCUS JENKINS
REVISED BY: BPS DATE: 9/15/17
BPS DATE: 4/25/19
BPS DATE: 8/19/19
BPS DATE: 10/2/19
BPS DATE: 12/20/21

LATERAL BY: FITZER DATE: 12/7/21
LATERAL JOB NUMBER: 21-140

A5
A13

ANW JOB NUMBER: 210248

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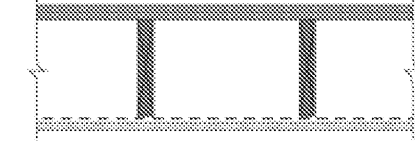
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REGISTERED ARCHITECT
THOMAS J. PITZER
STATE OF WASHINGTON
12/20/21

FRIEDMAN HOMES
3005 SE 34TH PL
MERCEUR ISLAND, WA 98040

A
A5 ADU CEILING FIRE RATED ASSEMBLY
FLOOR/CEILING WOOD-FRAMED

1/2" (12.7 mm) ToughRock Fireguard C or 1/2" (12.7 mm) DensArmor Plus Fireguard C gypsum board applied perpendicular to resilient channels 24" (610 mm) o.c. with 1" (25 mm) Type S drywall screws 12" (305 mm) o.c. Gypsum board end joints located midway between continuous channels and attached to additional pieces of channels 60" (1524 mm) long with screws 12" (305 mm) o.c. Resilient channels applied perpendicular to 2" x 10" wood joists 16" (406 mm) o.c. with 2" (51 mm) 6d coated nails. Wood joists supporting 1" (25.4 mm) nominal wood subfloor and 1" (25.4 mm) nominal wood finish floor, or 19/32" (15.1 mm) plywood finished floor with long edges T&G and 15/32" (11.9 mm) interior plywood with exterior glue subfloor perpendicular to joist with joints staggered.



Hourly Rating: 1-hour
STC Rating: 45-49 STC and 47 IIC w/C&P
Fire Test Reference: UL L502, ULC M501, cUL L502, GA FC 5250
Sound Test Reference: RAL TL64-155 & IIC - CK 6512-6
Approved for Assembly:
ToughRock® Fireguard C® Products
DensArmor Plus® Fireguard C® Products

DETAIL A/A5 AT ADU
CEILING WITH HOUSE ABV.

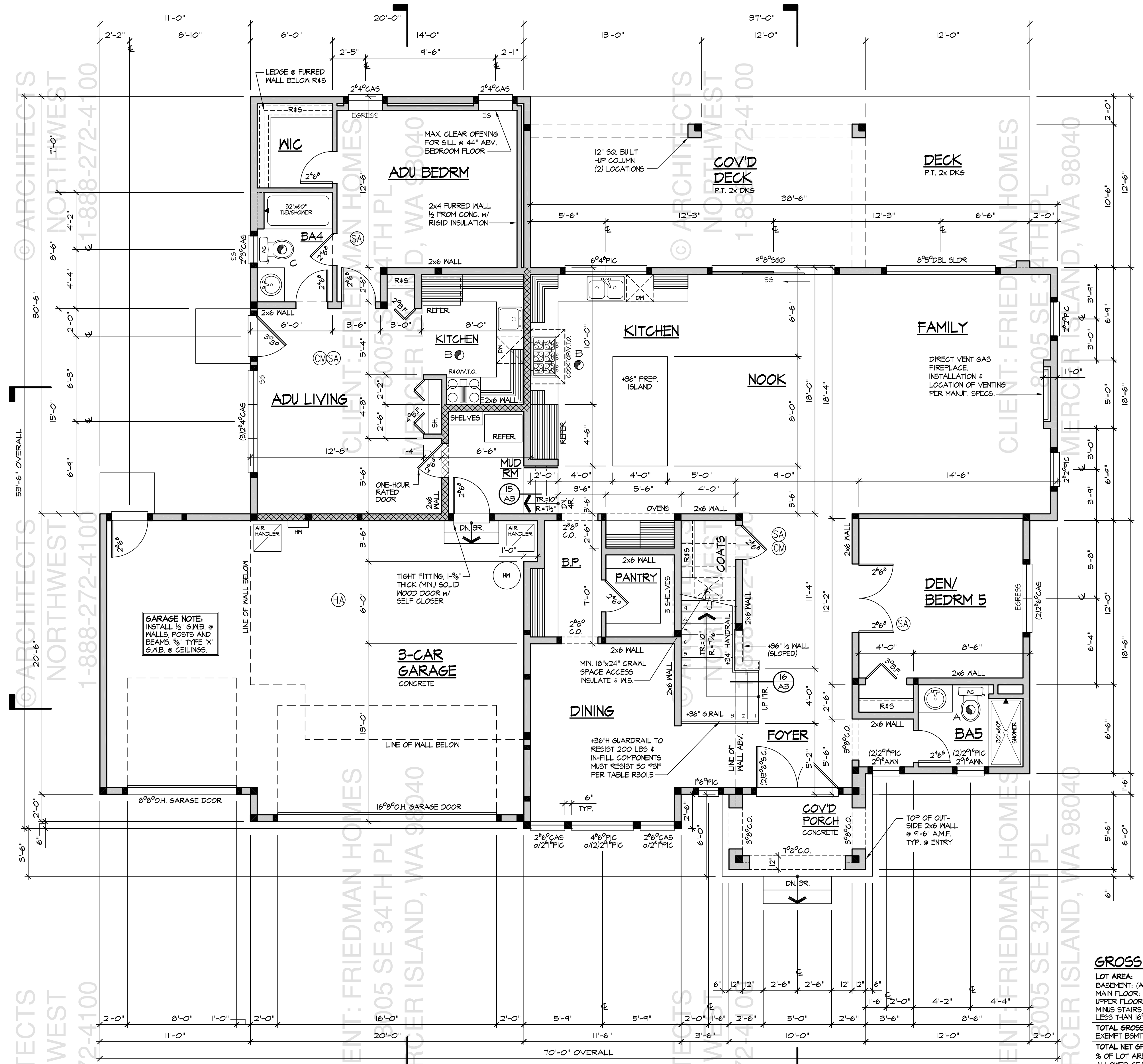
B
A5 ADU WALL FIRE RATED ASSEMBLY
WOOD-FRAMED WALL

Resilient channels 24" o.c. attached horizontally on one side of 2" x 4" wood studs 24" o.c. with 1-1/4" Type S drywall screws. One layer 5/8" (15.9 mm) ToughRock® Fireguard X™ or 5/8" (15.9 mm) DensArmor Plus® FireGuard® interior panels applied horizontally to channels with 1" Type S drywall screws 8" o.c. with vertical joints located mid way between studs. 3" mineral or glass fiber insulation in stud space. Opposite side: one layer 5/8" (15.9 mm) ToughRock® Fireguard X™ Products or 5/8" (15.9 mm) DensArmor Plus FireGuard interior panels applied horizontally or vertically to studs with 6d cement coated nails, 1 7/8" long, 0.0915" shank, 15/64" heads, 7" o.c. Vertical joints staggered 24" on opposite sides. Sound Tested with 3-1/2" (89 mm) fiberglass insulation



Hourly Rating: 1-hour
STC Rating: 50-54 STC
Fire Test Reference: UL U309, cUL U309, GA WP 3243
Sound Test Reference: RAL TL77-138
Approved for Assembly:
DensArmor Plus® Fireguard C® Products
DensArmor Plus® Fireguard® Products
DensElement™ Barrier Sheathing
DensGlass® Fireguard® Sheathing
DensShield® Fireguard® Tile Backer
ToughRock® Fireguard C® Products
ToughRock® Fireguard X™ Mold-Guard™ Products
ToughRock® Fireguard X™ Products
ToughRock® Lite-Weight Fire-Rated Products

= 1 HR. DWELLING
ADU / RES SEPARATION
PER DETAIL B/A5



MAIN FLOOR PLAN

SCALE: 1/4" = 1'-0"
NOTE: SEE 'S' SHEETS FOR
LATERAL INFORMATION
& ENGINEERING DETAILS

FLOOR PLAN NOTES:

- CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
- WINDOWS & DOORS ARE SHOWN & NOTED AS NOMINAL SIZES.
- EXTERIOR WALLS TO BE 2X6 STUDS @ 16" O.C. UNO.
- INDICATES POINT LOAD SUPPORTED BY (2) STUDS UNO.
- PROVIDE STAIRWAY ILLUMINATION PER I.R.C. R303.1 & R303.2
- SEE SHEET A1 FOR ADDITIONAL NOTES.
- SEE SHEET A2 FOR VENTILATION SCHEDULE.
- SEE SHEET A2 FOR ALARM SCHEDULE.

GROSS FLOOR AREA

LOT AREA:	9,493 S.F.
BASEMENT: (ADU+GARAGE)	1,312 S.F.
MAIN FLOOR:	1,449 S.F.
UPPER FLOOR:	1,972 S.F.
MINUS STAIRS, N/C/LG LESS THAN 16":	-40 S.F.
TOTAL GROSS FLOOR AREA:	4,683 S.F.
EXEMPT BSMT AREA:	256 S.F.
TOTAL NET GFA:	4,427 S.F.
% OF LOT AREA:	44.58%
ALLOWED GFA:	4,478 S.F.
ALLOWED % OF LOT AREA:	45.00%

AREA SUMMARY

MAIN FLOOR:	1520 S.F.
UPPER FLOOR:	1890 S.F.
TOTAL HOUSE AREA:	3410 S.F.
ADU:	575 S.F.
TOTAL HEATED AREA:	3405 S.F.
GARAGE:	666 S.F.
COVERED AREA:	312 S.F.
UNFINISHED AREA:	N/A

REGISTERED ARCHITECT
12/20/21

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FRIEDMAN HOMES
PLAN M2595B3F-9

DESIGNED BY: TC DATE: 2013
DRAWN BY: JRA DATE: 8/11/14

PROJECT MANAGER: MARCUS JENKINS
REVISED BY: DATE:
BPS 9/15/17
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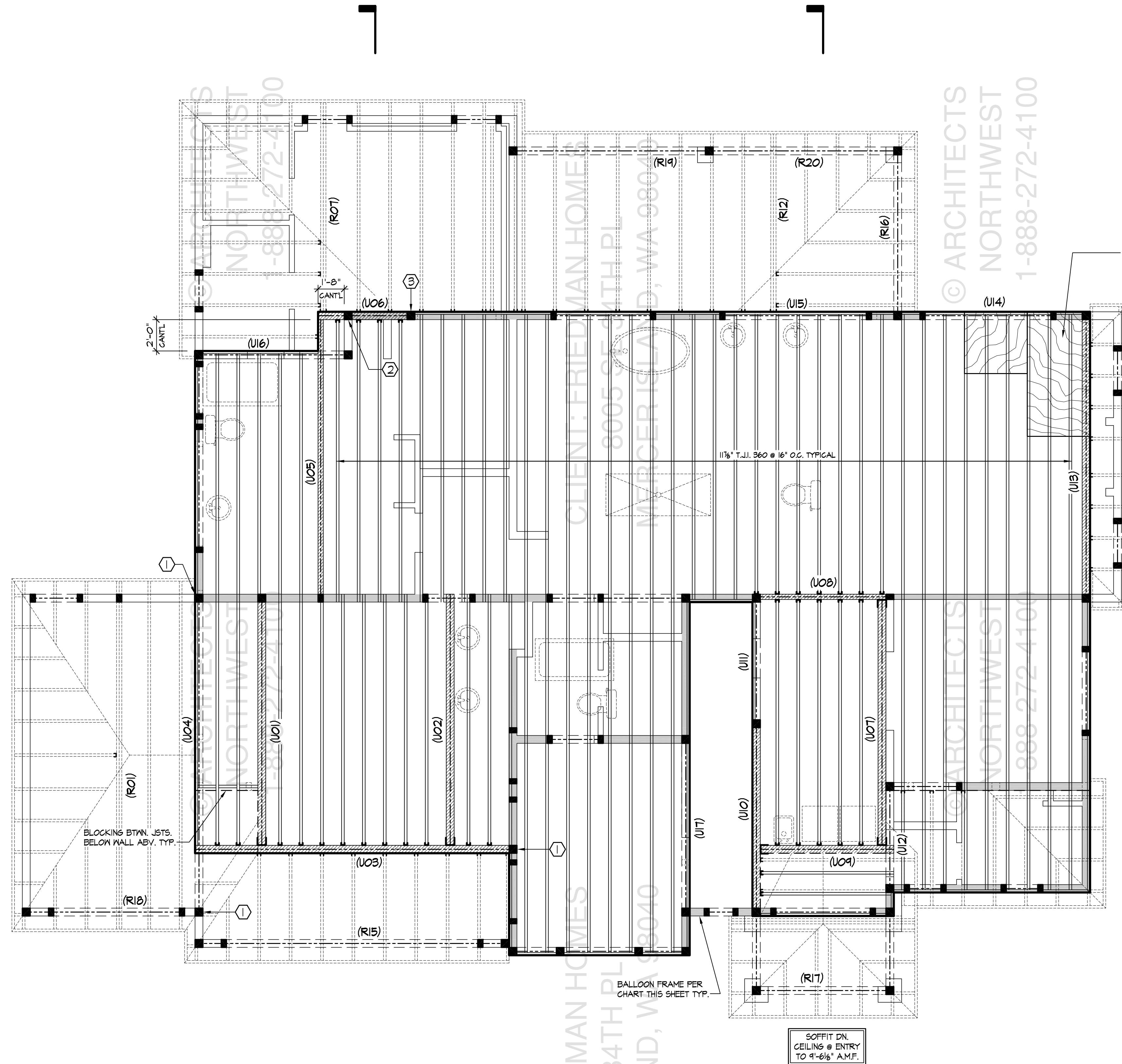
LATERAL BY: FITZER DATE: 12/17/21
LATERAL JOB NUMBER: 21-140

A6
A13

ANW JOB NUMBER:
210248

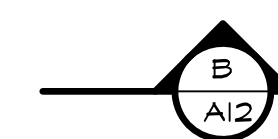
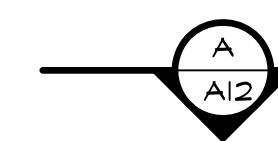
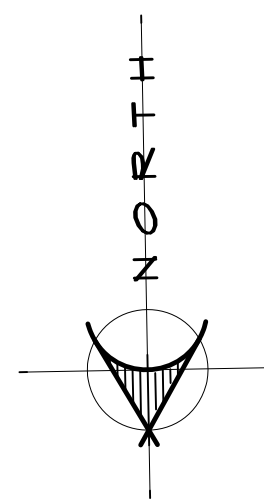
CLIENT: FRIEDMAN HOMES
8005 SE 34TH PL
MERCER ISLAND, WA 98040

CLIENT: FRIEDMAN HOMES
8005 SE 34TH PL
MERCER ISLAND, WA 98040



UPPER FLOOR
FRAMING PLAN

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



FLOOR JOISTS TO BE:
1 1/8" T.J.I. 360 @ 16"
O.C. TYPICAL, U.N.O.

BEAM SCHEDULE

- U01 - PSL 5 1/2"x11 1/8"
- U02 - PSL 5 1/2"x11 1/8"
- U03 - PSL 7"x18"
- U04 - PSL 7"x18"
- U05 - PSL 3 1/2"x11 1/8"
- U06 - PSL 5 1/2"x11 1/8"
- U07 - PSL 3 1/2"x11 1/8"
- U08 - PSL 5 1/2"x11 1/8"
- U09 - PSL 3 1/2"x11 1/8"
- U10 - PSL 5 1/2"x11 1/8"
- U11 - 4x10 DF#2
- U12 - 4x10 DF#2
- U13 - PSL 5 1/2"x11 1/8"
- U14 - 4x10 DF#2
- U15 - GLB 3 1/2"x4 1/4"
- U16 - PSL 5 1/2"x11 1/8"
- U17 - PSL 3 1/2"x11 1/8"

CONNECTION SCHEDULE

- U01-U03 - HB5.50/11.88
- U02-U03 - HB5.50/11.88
- U05-U06 - HUC412
- U07-U08 - HUC412
- U07-U09 - HUC412
- U09-U10 - HUC412

SHEET NOTES

- 1. 6x6 DF# POST W/ ECCQ7.1-6 CAP
- 2. 6x6 DF# POST W/ CCQ66 CAP
- 3. 6x6 DF# POST W/ ECCQ66 CAP

FLOOR FRAMING NOTES:

1. CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
2. ALL FLOOR JOISTS TO BE 1 1/8" T.J.I. 360 @ 16" ON CENTER UNLESS NOTED OTHERWISE (U.N.O.)
3. ALL HEADERS TO BE 4x10 DF#2 W/R-10 RIGID INSULATION @ EXTERIOR WARM WALLS, U.N.O.
4. PROVIDE SOLID BLOCKING OVER SUPPORTS.
5. PROVIDE FIRE BLOCKING @ ALL PLUMBING PENETRATIONS.
6. WINDOW HEADERS @ 8'-0" ABOVE FINISHED FLOOR @ MAIN FLOOR U.N.O.
7. BEARING WALLS ARE SHADED.
8. PLUMBING AND MECHANICAL FIXTURES ARE DASHED.
9. ■ INDICATES POINT LOAD SUPPORTED BY (2) STUDS U.N.O.
10. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED.
11. SEE SHEET A1 FOR ADDITIONAL NOTES.

NOTE: SEE 'S' SHEETS FOR LATERAL INFORMATION & ENGINEERING DETAILS

BEAM SCHEDULE

PLAN VIEW	DESCRIPTION
---	DROPPED BEAM DESIGNATED ON FLOOR PLANS.
----	DROPPED BEAM DESIGNATED ON FRAMING PLANS.
▨	FLUSH AND TOP FLUSH BEAM DESIGNATED ON FRAMING PLANS.
▩	UPSET BEAM DESIGNATED ON FRAMING PLANS.

NOTE: USE FULL LENGTH STUDS (BALLOON FRAME) PER THIS TABLE

WALL HEIGHT	FRAMING	BLOCKING
10'-0" OR LESS	2x6 @ 16" O.C.	N/A
10'-1" - 12'-6"	2x6 @ 12" O.C.	1/2 POINTS
12'-7" - 15'-0"	(2)2x6 @ 16" O.C.	1/2 POINTS
15'-1" - 17'-6"	(2)2x6 @ 12" O.C.	1/3 POINTS
17'-6" - 20'-2"	1 3/4"x8 1/2" LVL @ 12" O.C.	1/3 POINTS



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FRIEDMAN HOMES
PLAN M2595B3F-9

DESIGNED BY: TC DATE: 2013
DRAWN BY: JRA DATE: 8/11/14

PROJECT MANAGER: MARCUS JENKINS
REVISED BY: BPS DATE: 9/15/17
BPS DATE: 4/25/19
BPS DATE: 8/19/19
BPS DATE: 10/2/19
BPS DATE: 12/20/21

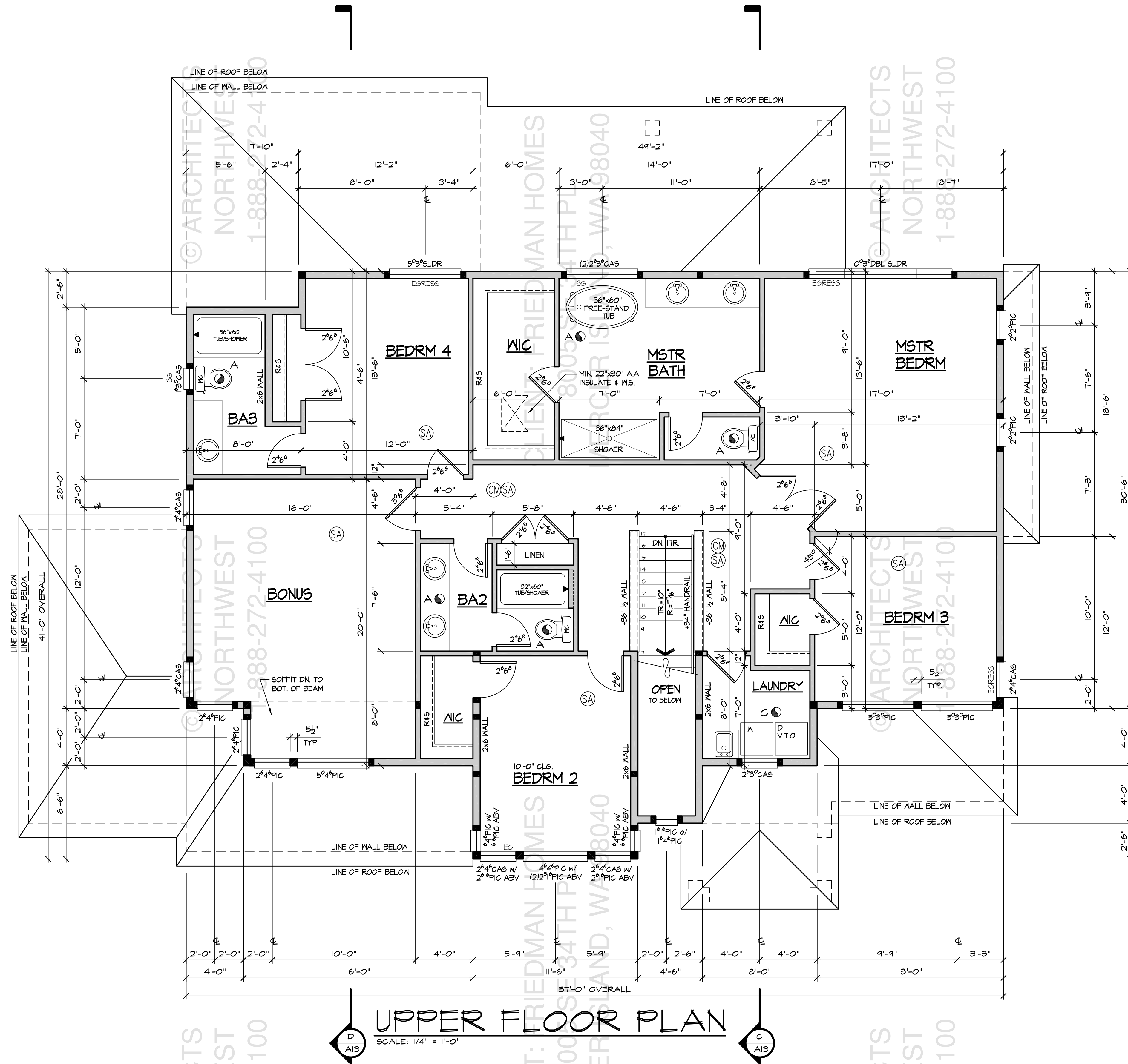
LATERAL BY: FITZER DATE: 12/7/21
LATERAL JOB NUMBER: 21-140

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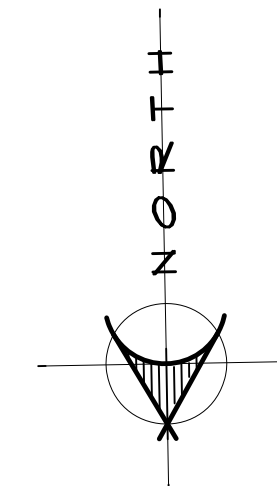
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UPPER FLOOR PLAN
SCALE: 1/4" = 1'-0"



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- FLOOR PLAN NOTES:**
- CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
 - WINDOWS & DOORS ARE SHOWN & NOTED AS NOMINAL SIZES.
 - EXTERIOR WALLS TO BE 2x6 STUDS @ 16" O.C. U.N.O.
 - INDICATES POINT LOAD SUPPORTED BY (2) STUDS, U.N.O.
 - PROVIDE STAIRWAY ILLUMINATION PER I.R.C. R303.1 & R303.8
 - SEE SHEET A1 FOR ADDITIONAL NOTES.
 - SEE SHEET A2 FOR VENTILATION SCHEDULE.
 - SEE SHEET A2 FOR ALARM SCHEDULE.

NOTE: SEE 'S' SHEETS FOR LATERAL INFORMATION & ENGINEERING DETAILS

DESIGNED BY:	DATE:
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JRA	8/11/14

PROJECT MANAGER:	DATE:
MARCUS JENKINS	9/15/17
REVISED BY:	DATE:
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BPS	8/19/19
BPS	10/2/19
BPS	12/20/21

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ANW JOB NUMBER:
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FRIEDMAN HOMES
PLAN M2595B3F-9

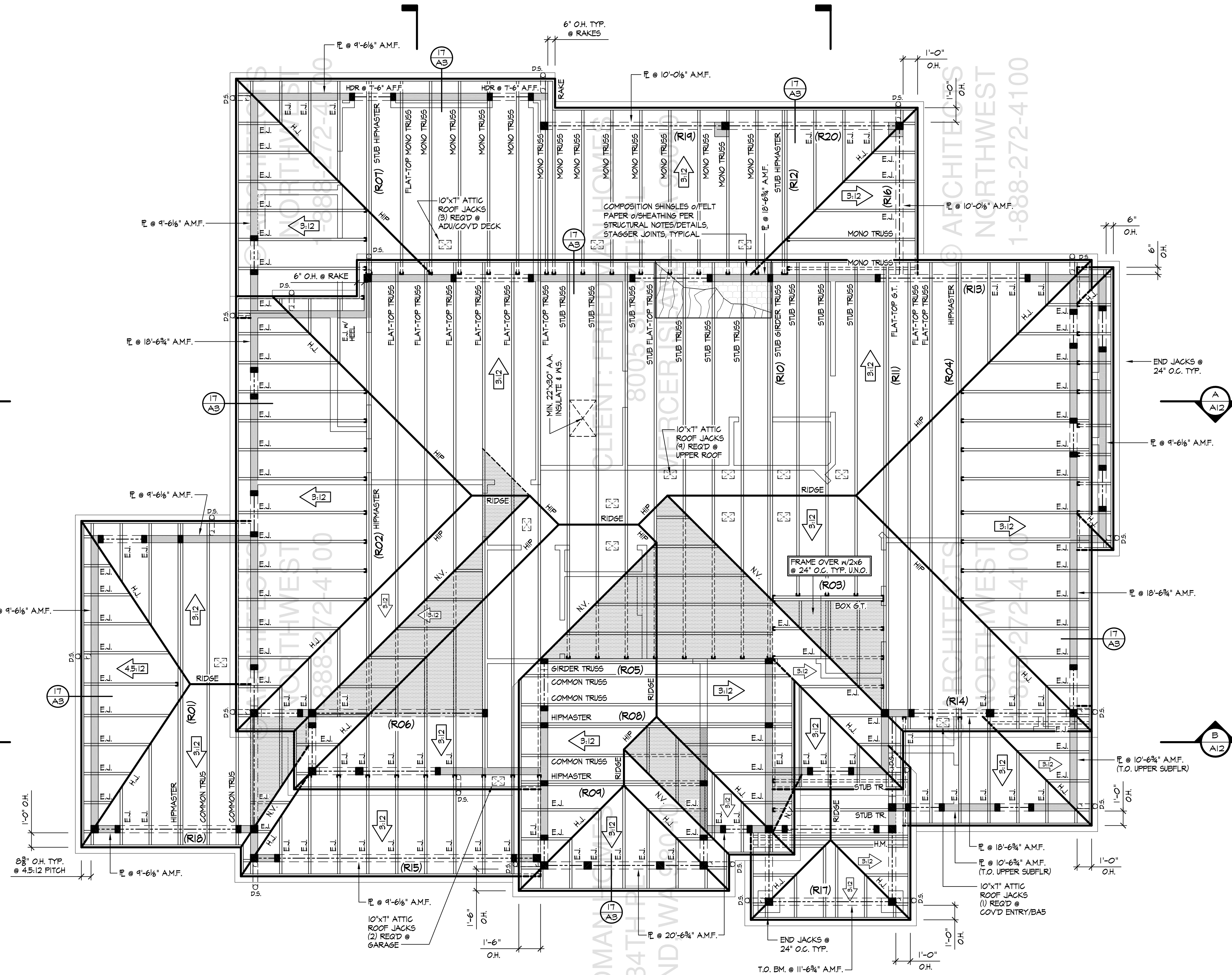
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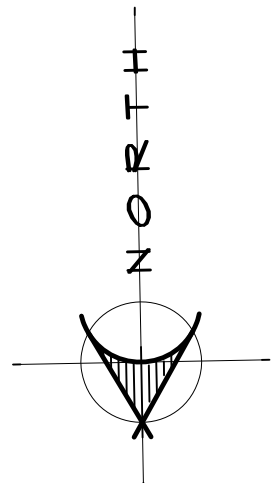
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ROOF FRAMING PLAN

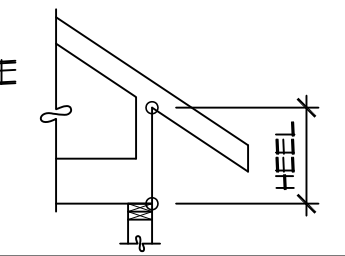
SCALE: 1/4" = 1'-0"



ROOF INSULATION NOTE:
WHERE SPACE IS LIMITED (LESS THAN 15"*) REQ'D AIR GAP, FILL SPACES W/ THERMAX R-6.5 FOR EVERY INCH OF FOAM.
NOTE: 8" THICK FOAM=R-52.

ROOF UNDERLAYMENT NOTE:
ROOFS WITH PITCHES BETWEEN 2:12 AND 4:12 ARE REQUIRED TO HAVE A DOUBLE UNDERLAYMENT PER IRC 905.2.2.

NOTE:
TRUSS HEEL IS THE VERT. DISTANCE BETWEEN THE PLATE AND WHERE THE BOTTOM OF THE TOP CHORD OF THE TRUSS INTERSECTS THE EXTERIOR SIDE OF THE BEARING



BEAM SCHEDULE

- R01 - GIRDER TRUSS
- R02 - GIRDER TRUSS
- R03 - GIRDER TRUSS
- R04 - GIRDER TRUSS
- R05 - GIRDER TRUSS
- R06 - GLB 5 1/2" x 11 1/4"
- R07 - GIRDER TRUSS
- R08 - GIRDER TRUSS
- R09 - GIRDER TRUSS
- R10 - GIRDER TRUSS
- R11 - GIRDER TRUSS
- R12 - GIRDER TRUSS
- R13 - GLB 3 1/2" x 9 1/2"
- R14 - 4x10 DF#2
- R15 - 6x10 DF#2
- R16 - 4x10 DF#2
- R17 - 4x10 DF#2
- R18 - 4x10 DF#2
- R19 - 4x10 DF#2
- R20 - 4x10 DF#2

ROOF FRAMING NOTES:

1. CONTRACTOR SHALL VERIFY ALL NOTES, DIMENSIONS & CONDITIONS PRIOR TO CONSTRUCTION.
2. ALL HEADERS TO BE 4x10 DF#2 W/ R-10 RIGID INSULATION @ EXTERIOR WARM WALLS U.N.O.
3. PROVIDE VENTED BLOCKING OVER SUPPORTS.
4. BEARING WALLS ARE SHADED.
5. WINDOW HEADERS @ 8'-0" ABOVE FINISHED FLOOR @ MAIN FLOOR U.N.O. WINDOW HEADERS @ 6'-8" ABOVE FINISHED FLOOR @ UPPER FLOOR U.N.O.
6. ALL TRUSSES:
 - * SHALL CARRY MANUFACTURER'S STAMP.
 - * SHALL BE INSTALLED & BRACED TO MANUFACTURER'S SPECIFICATIONS.
 - * SHALL HAVE DESIGN DETAILS & DRAWINGS ON SITE FOR FRAMING INSPECTION.
 - * SHALL NOT BE FIELD ALTERED WITHOUT PRIOR BUILDING DEPARTMENT APPROVAL OF ENGINEER'S CALCULATIONS.
 - * TRUSS HANGERS SHALL BE SPECIFIED BY THE TRUSS ENGINEER.
7. ■ INDICATES POINT LOAD SUPPORTED BY (2) STUDS U.N.O.
8. INSTALL SHEAR WALLS &/OR BLOCKING IN ROOF STRUCTURE BEFORE INSTALLING FINISH ROOFING.
9. SEE SHEET A1 FOR ADDITIONAL NOTES.
10. SEE SHEET A2 FOR ROOF VENTILATION CALCULATION(S).

NOTE: SEE 'S' SHEETS FOR LATERAL INFORMATION & ENGINEERING DETAILS

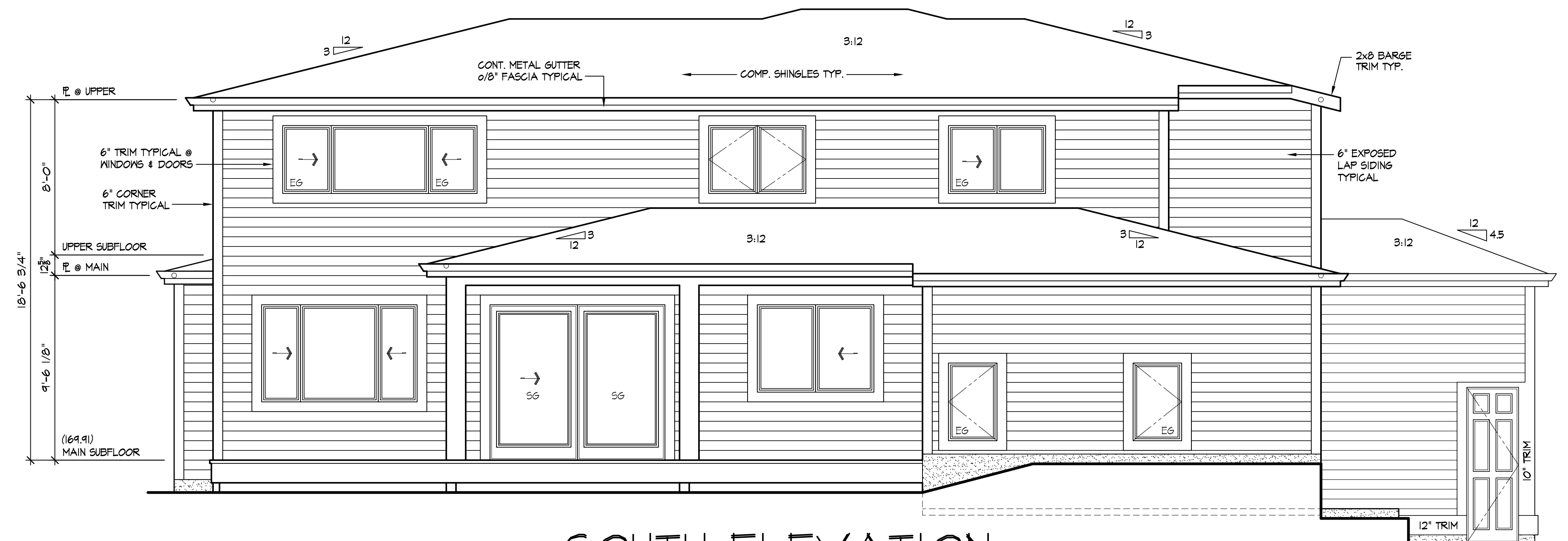
PLAN VIEW	DESCRIPTION
---	DROPPED BEAM DESIGNATED ON FLOOR PLANS.
---	DROPPED BEAM DESIGNATED ON FRAMING PLANS.
▨	FLUSH AND TOP FLUSH BEAM DESIGNATED ON FRAMING PLANS.
▨	UPSET BEAM DESIGNATED ON FRAMING PLANS.



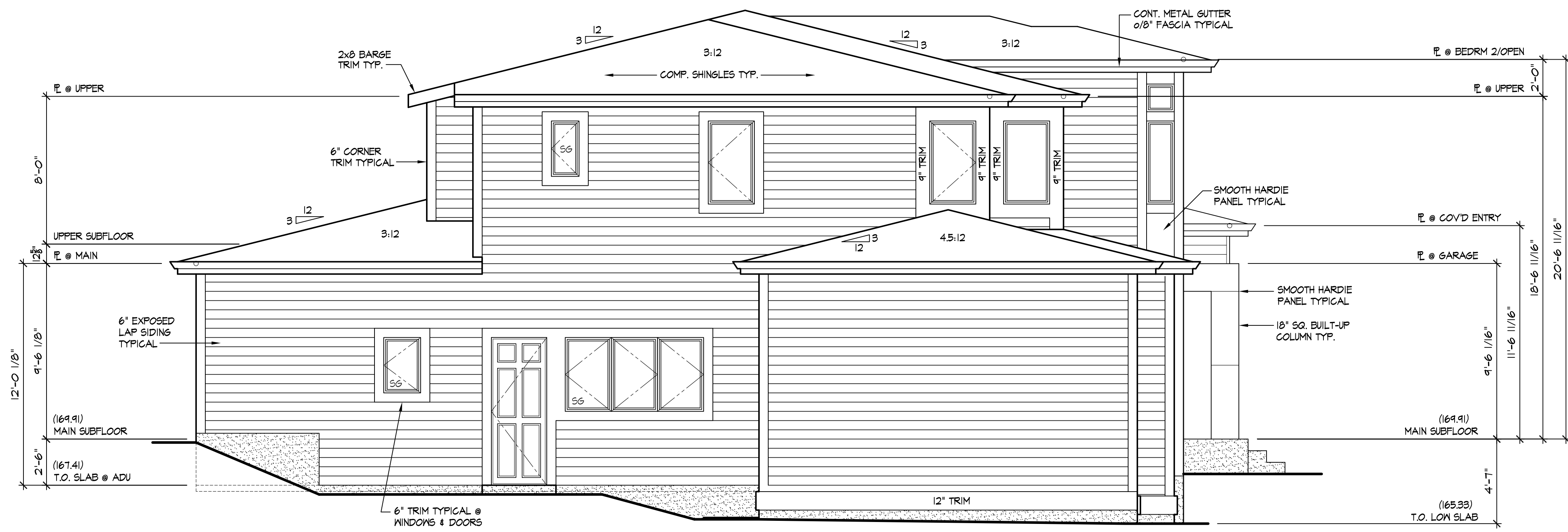
EXPIRES 12-02-23

ELEVATION NOTES:

1. VERIFY SHEAR WALL NAILING & HOLDOWNS PER PLAN PRIOR TO INSTALLING SIDING.
2. MASONRY & WOOD FRAME CHIMNEYS ARE TO BE CONSTRUCTED PER I.R.C. CHAPTER 10.
3. CAULK ALL EXTERIOR JOINTS & PENETRATIONS.
4. PROVIDE APPROVED CORROSION RESISTANT FLASHING AT EXTERIOR WALL ENVELOPE PER I.R.C. R103.4
5. PROVIDE FLASHING AT ROOF PENETRATIONS PER I.R.C. R903.2 & R903.2.1
6. PROVIDE WEATHER STRIPPING AT ALL EXTERIOR & GARAGE-INTERIOR DOORS.
7. PROVIDE CONTINUOUS GUTTERS & DOWNSPOUTS @ ALL EAVES, TYP.
8. ADDRESS OR HOUSE NUMBER TO BE POSTED AND PLAINLY VISIBLE FROM THE STREET FRONTAGE. NUMBERS TO BE MIN. 4" HIGH WITH 1/4" WIDE STROKE & CONTRASTING BACKGROUND.
9. PROVIDE STAIRWAY ILLUMINATION PER I.R.C. R503.1 & R503.2
10. SEE SHEET A1 FOR ADDITIONAL NOTES.



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



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

Your Family Architect

ARCHITECTS NORTHWEST

REGISTERED ARCHITECT
12/20/21

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FRIEDMAN HOMES
PLAN M2595B3F-9

DESIGNED BY:	DATE:
TC	2013
DRAWN BY:	DATE:
JRA	8/11/14
PROJECT MANAGER:	
MARCUS JENKINS	
REVISED BY:	DATE:
BPS	9/15/17
BPS	4/25/19
BPS	8/19/19
BPS	10/2/19
BPS	12/20/21

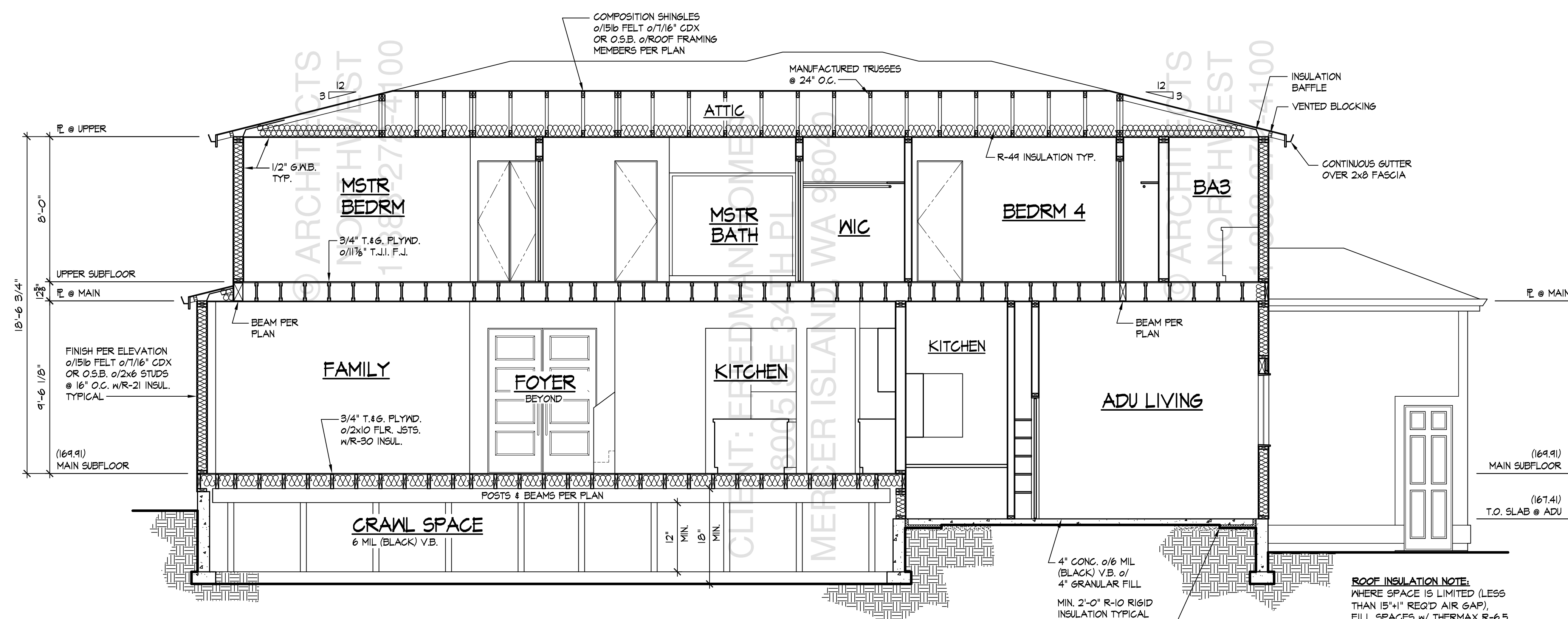
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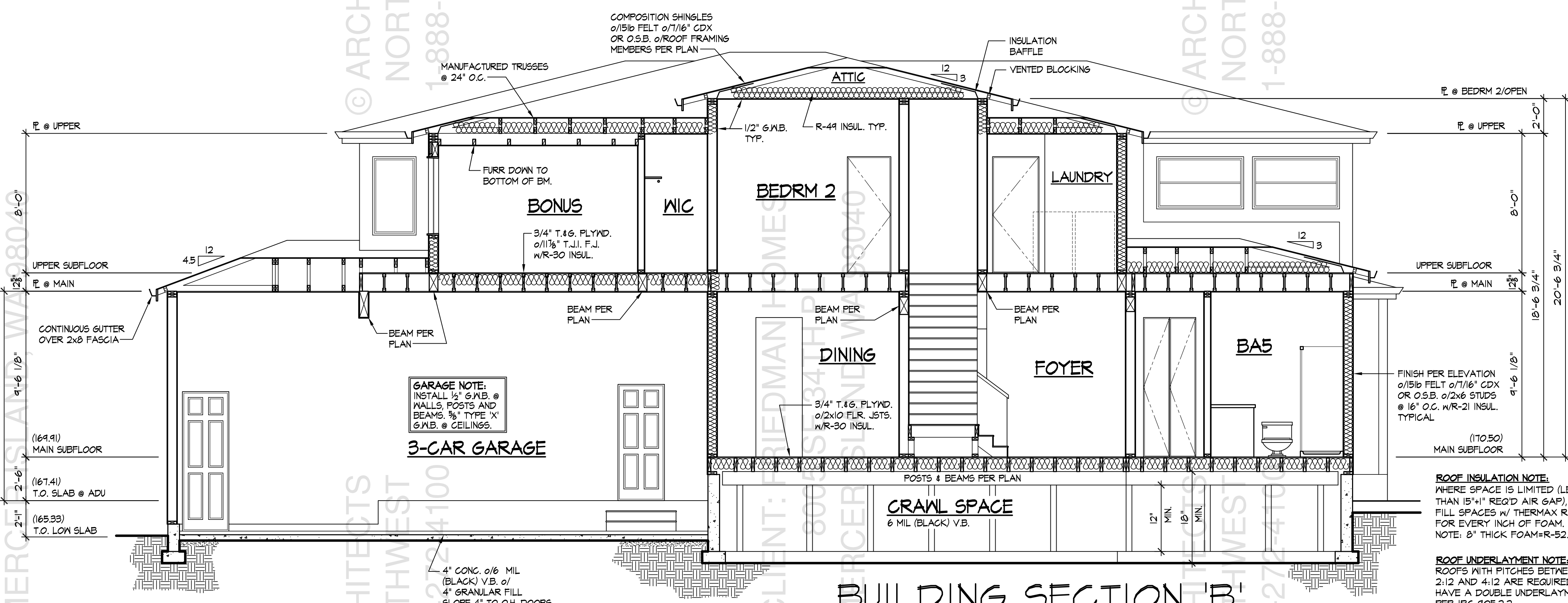
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BUILDING SECTION 'A'
SCALE: 1/4" = 1'-0"



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



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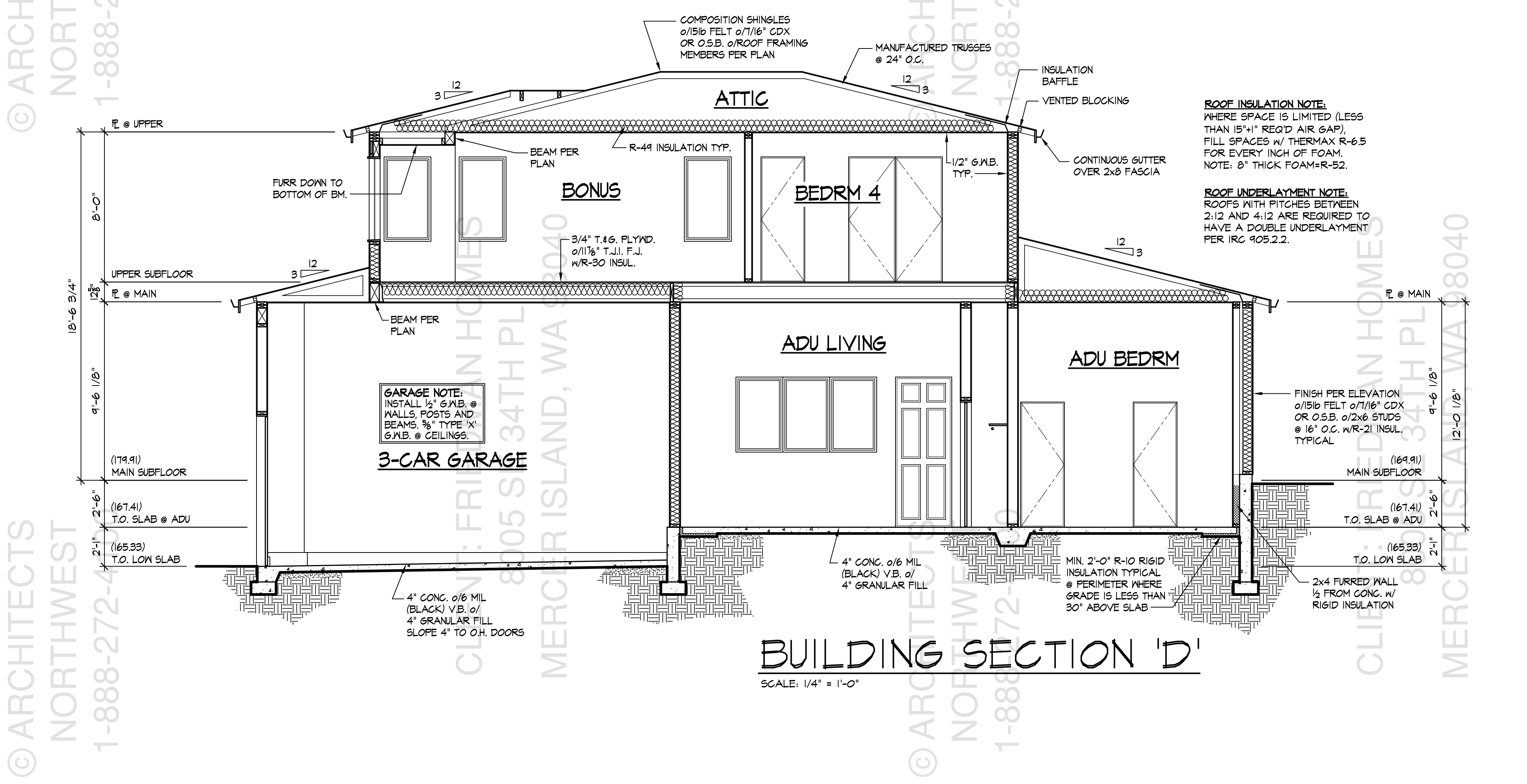
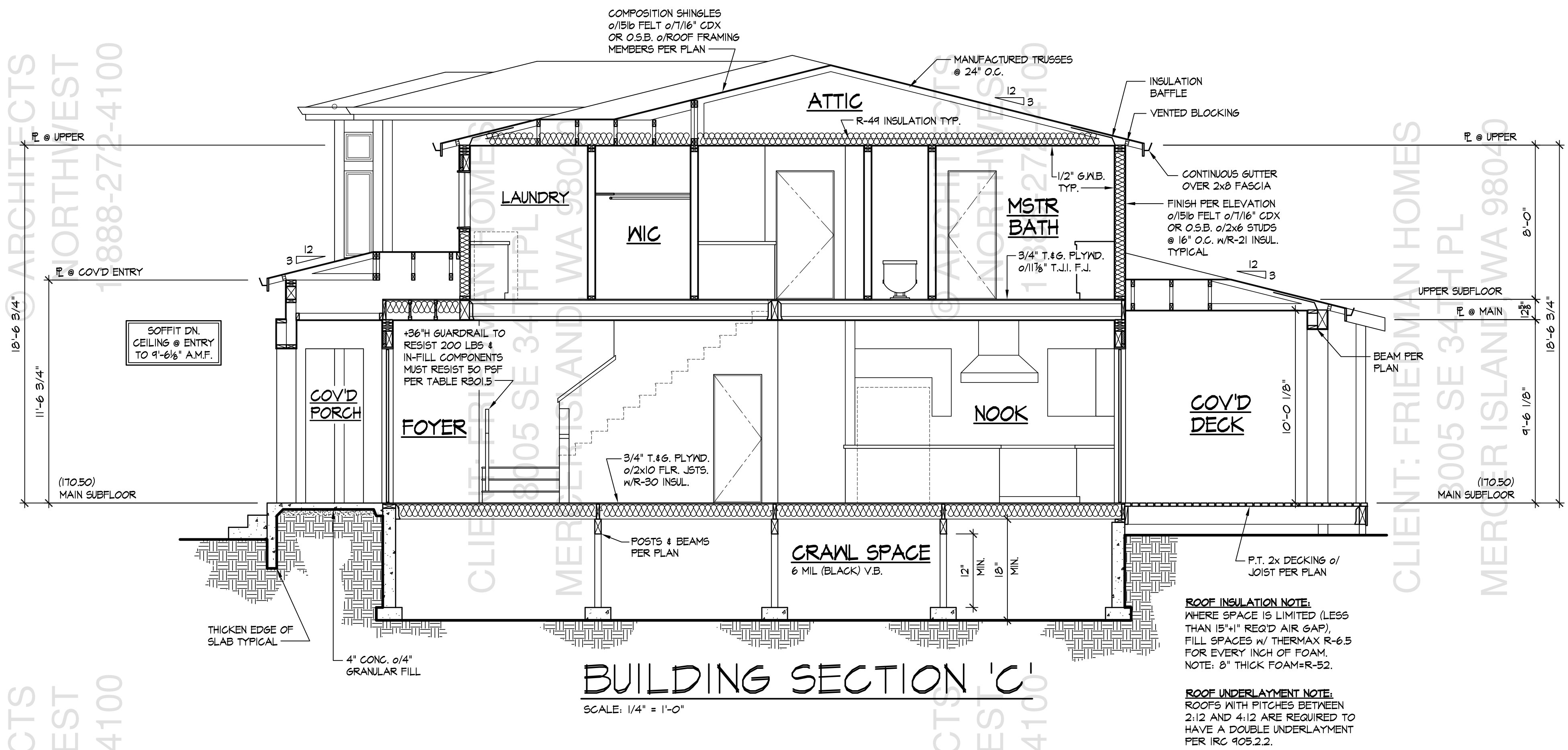
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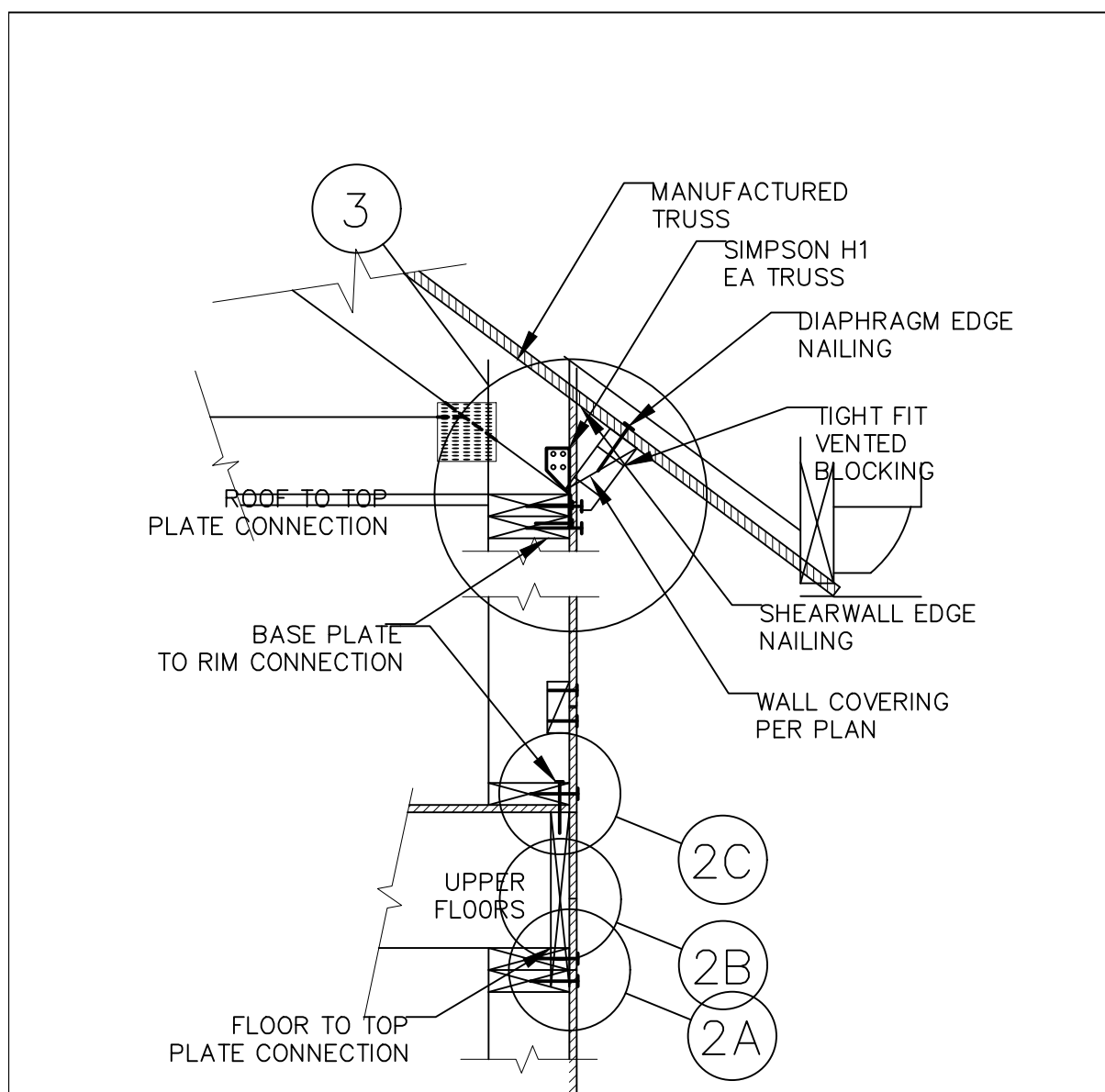
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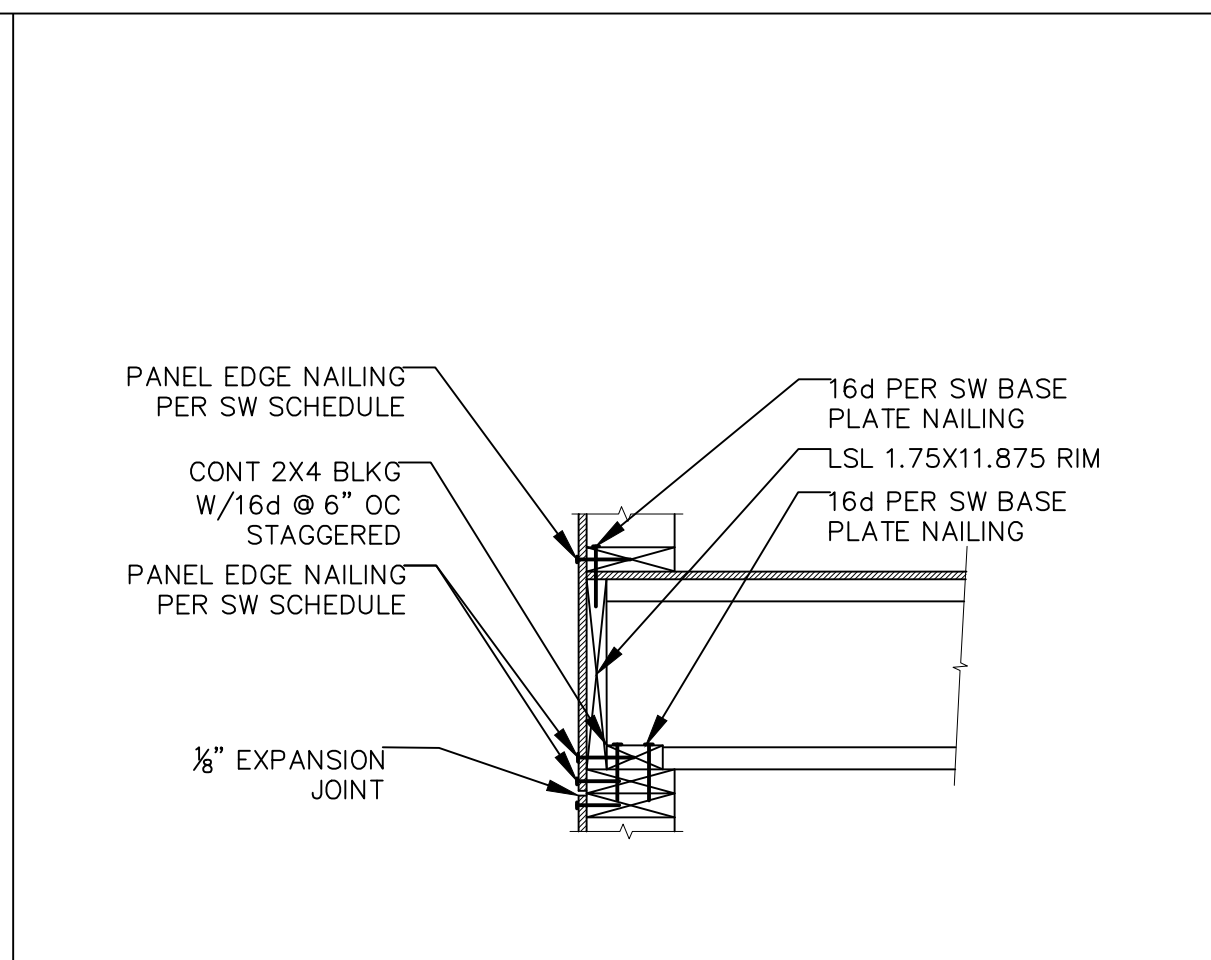
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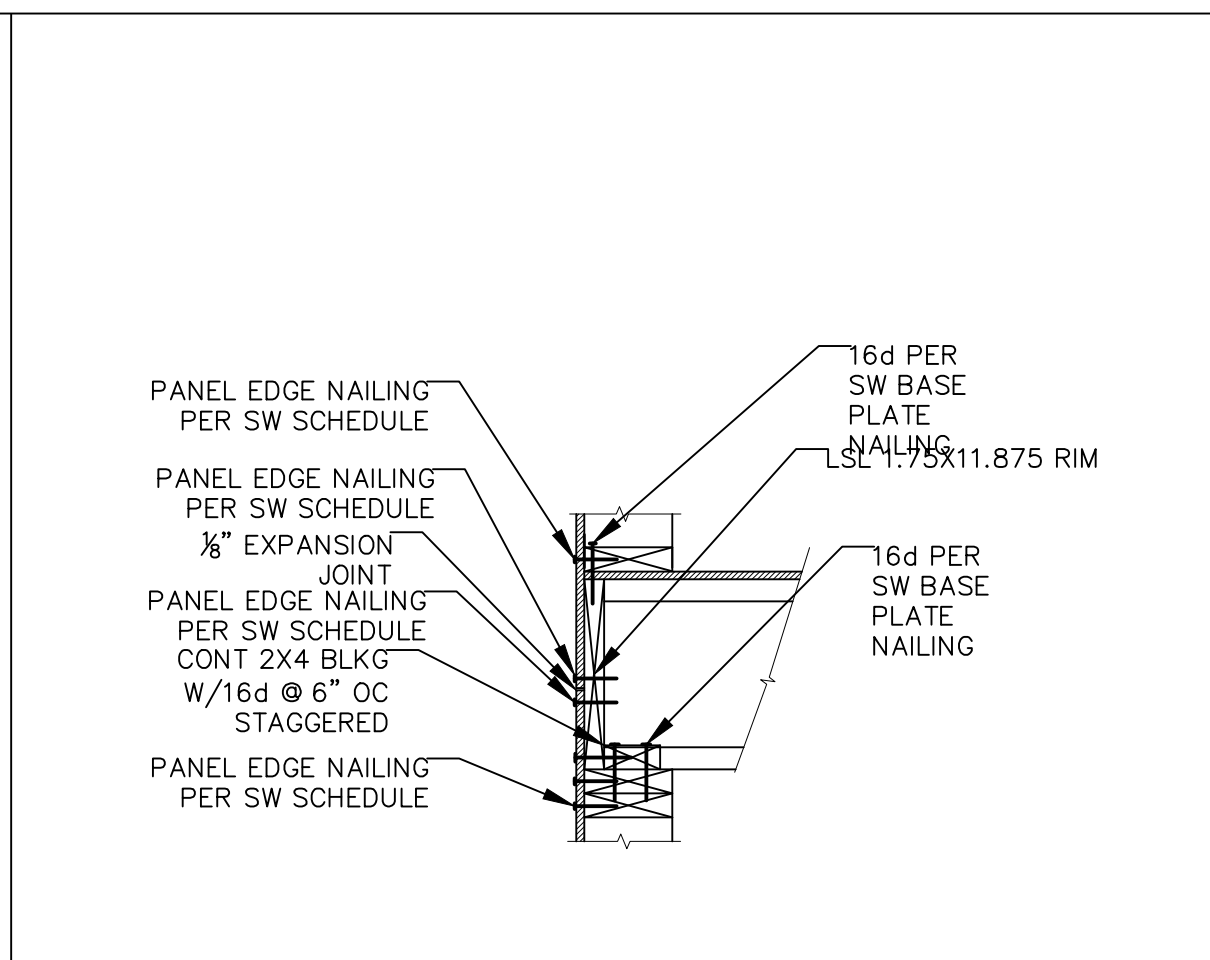
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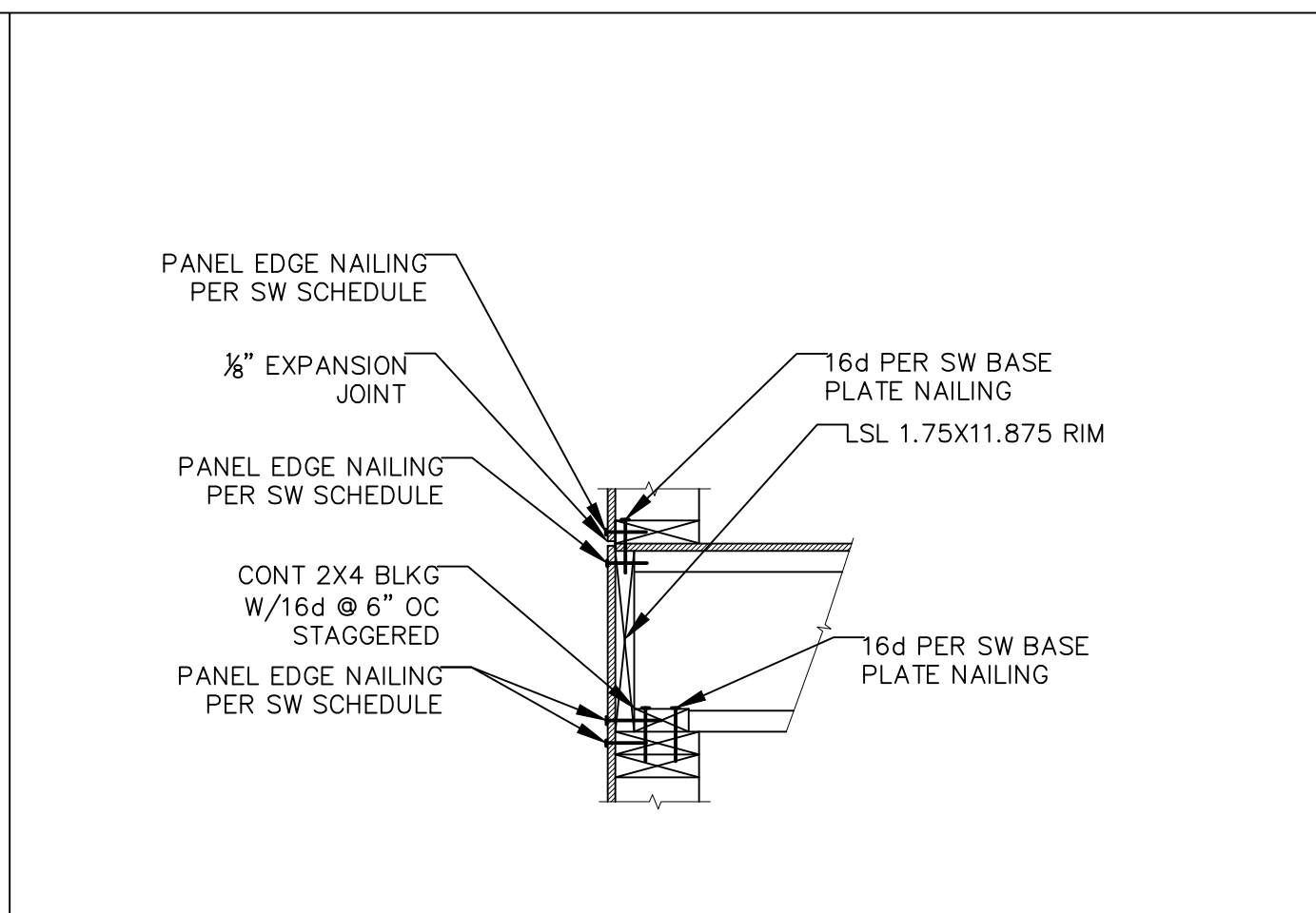
1 FLOOR DIAPHRAGM TO FOUNDATION



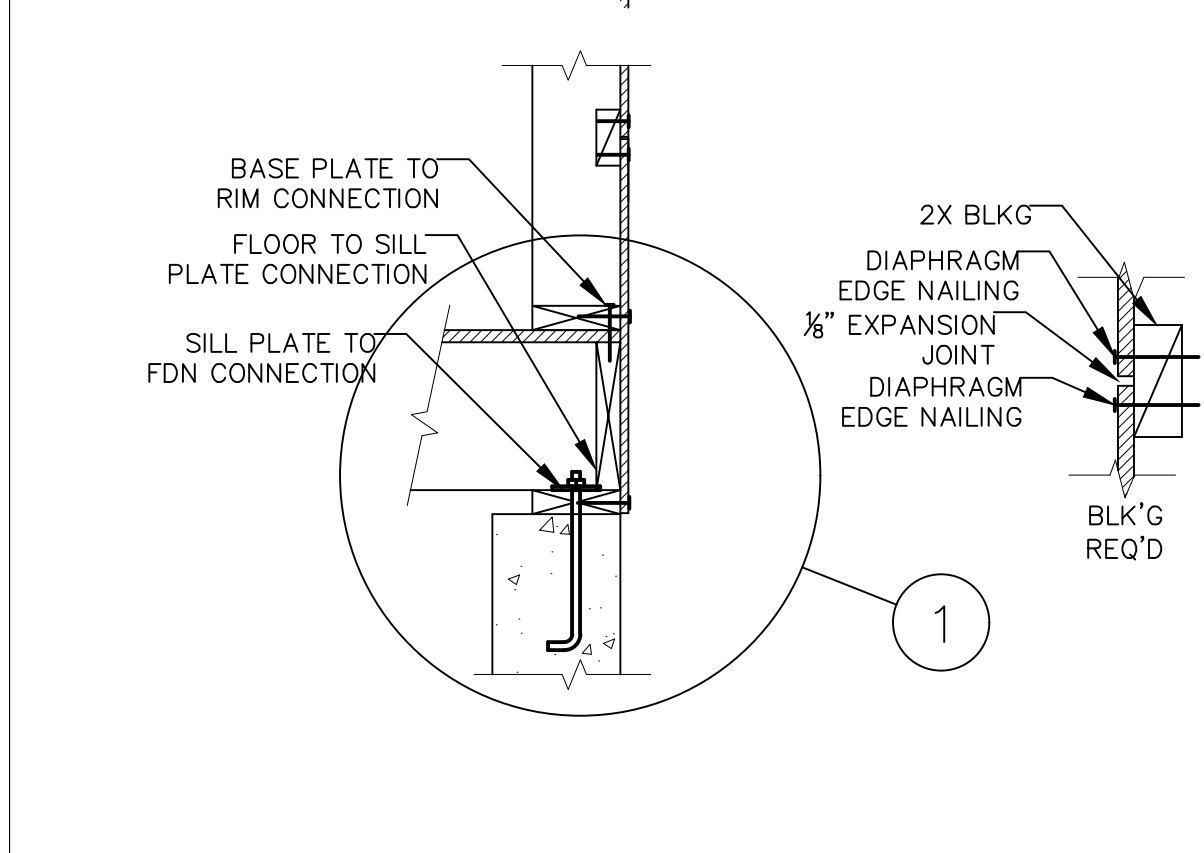
2A SHEATHING BROKEN AT TOP PLATE



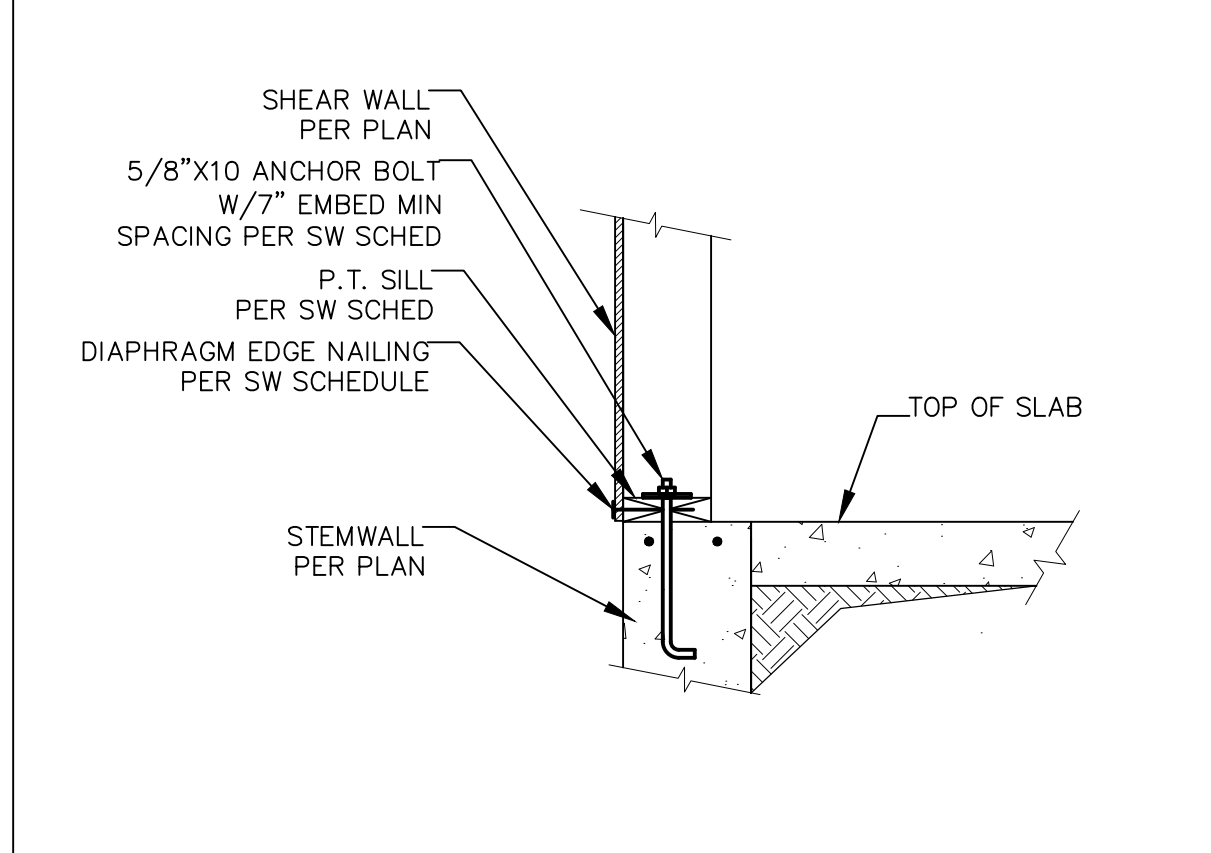
2B SHEATHING BROKEN AT MID RIMBOARD



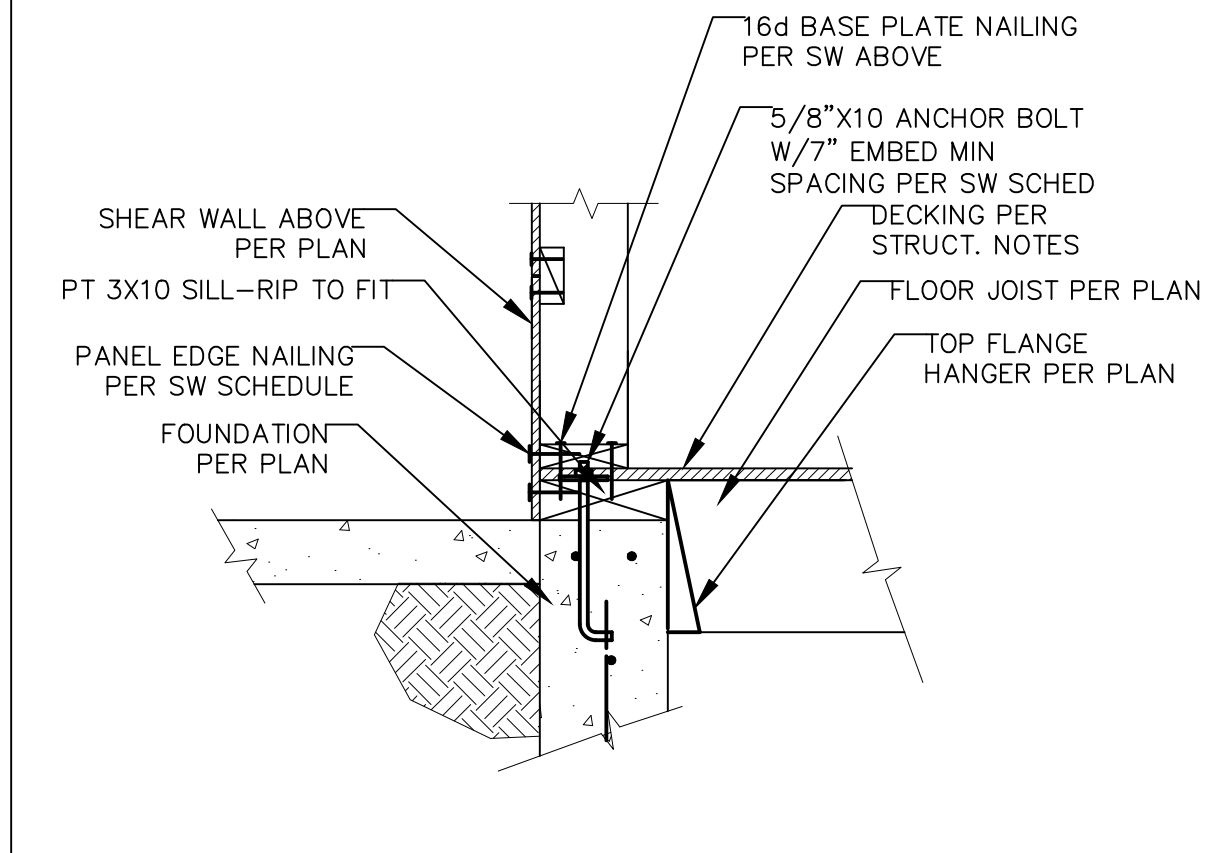
2C SHEATHING BROKEN AT BASE PLATE



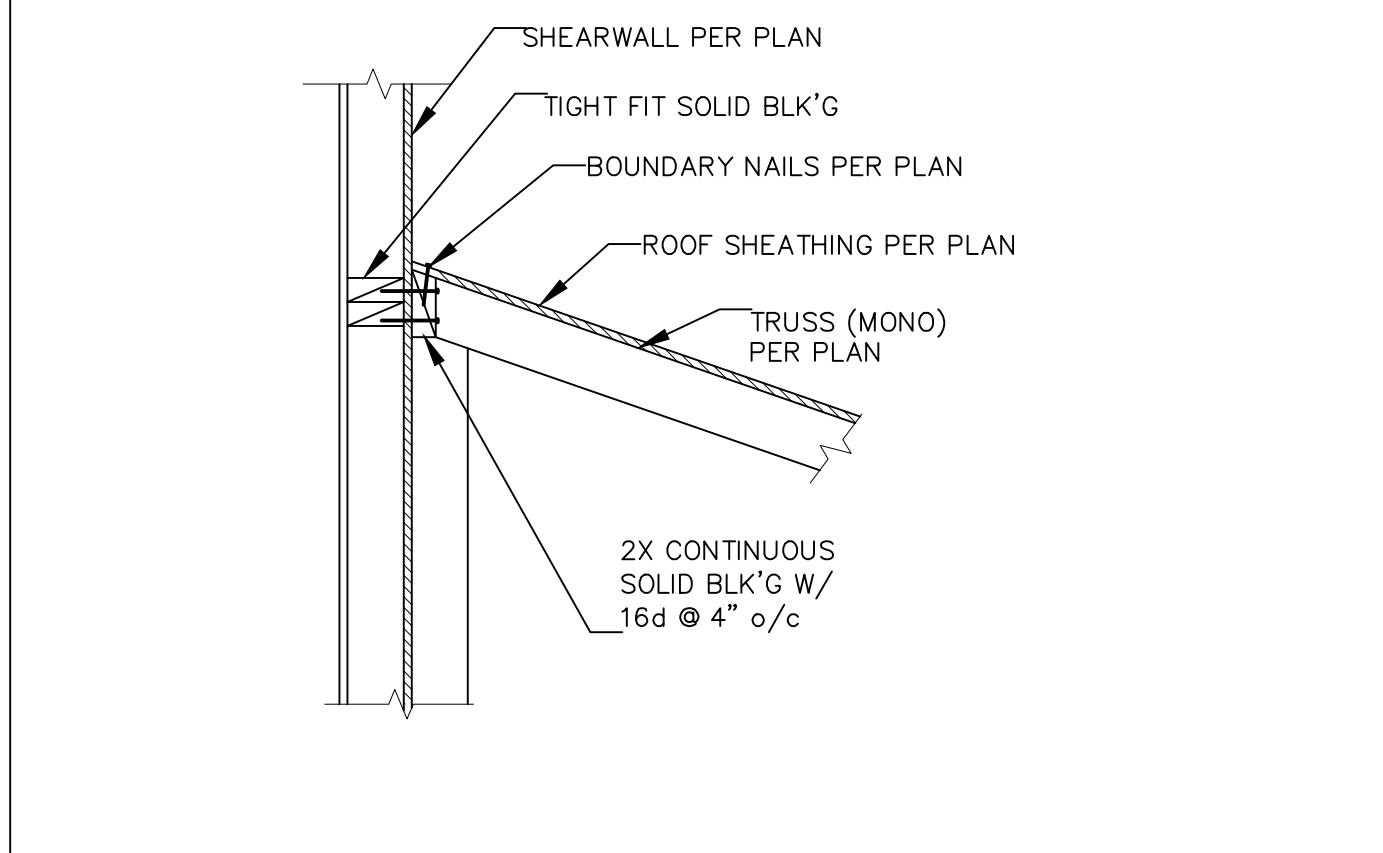
3 ROOF DIAPHRAGM TO SW W/H1



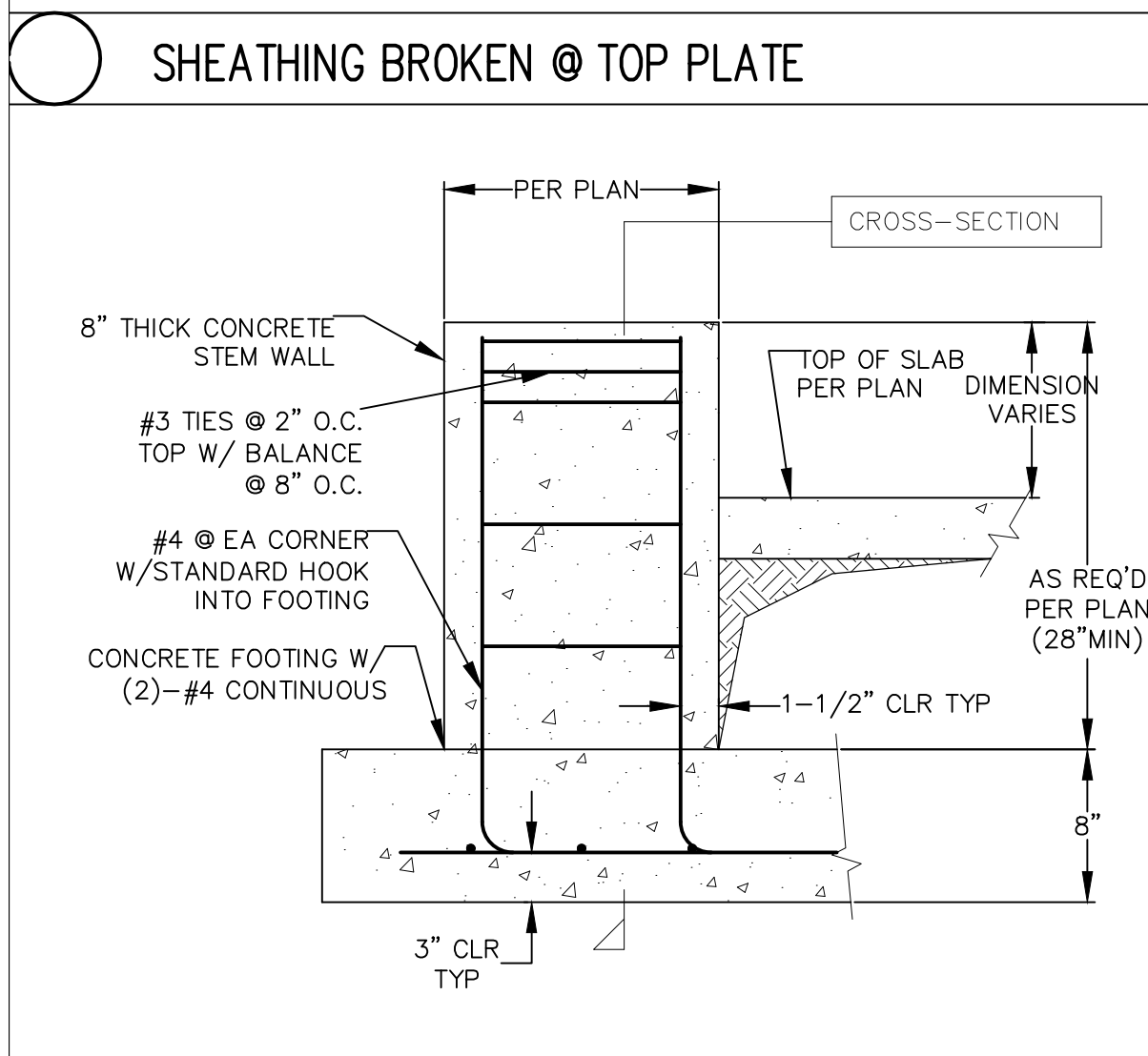
4 SW TO FOUNDATION



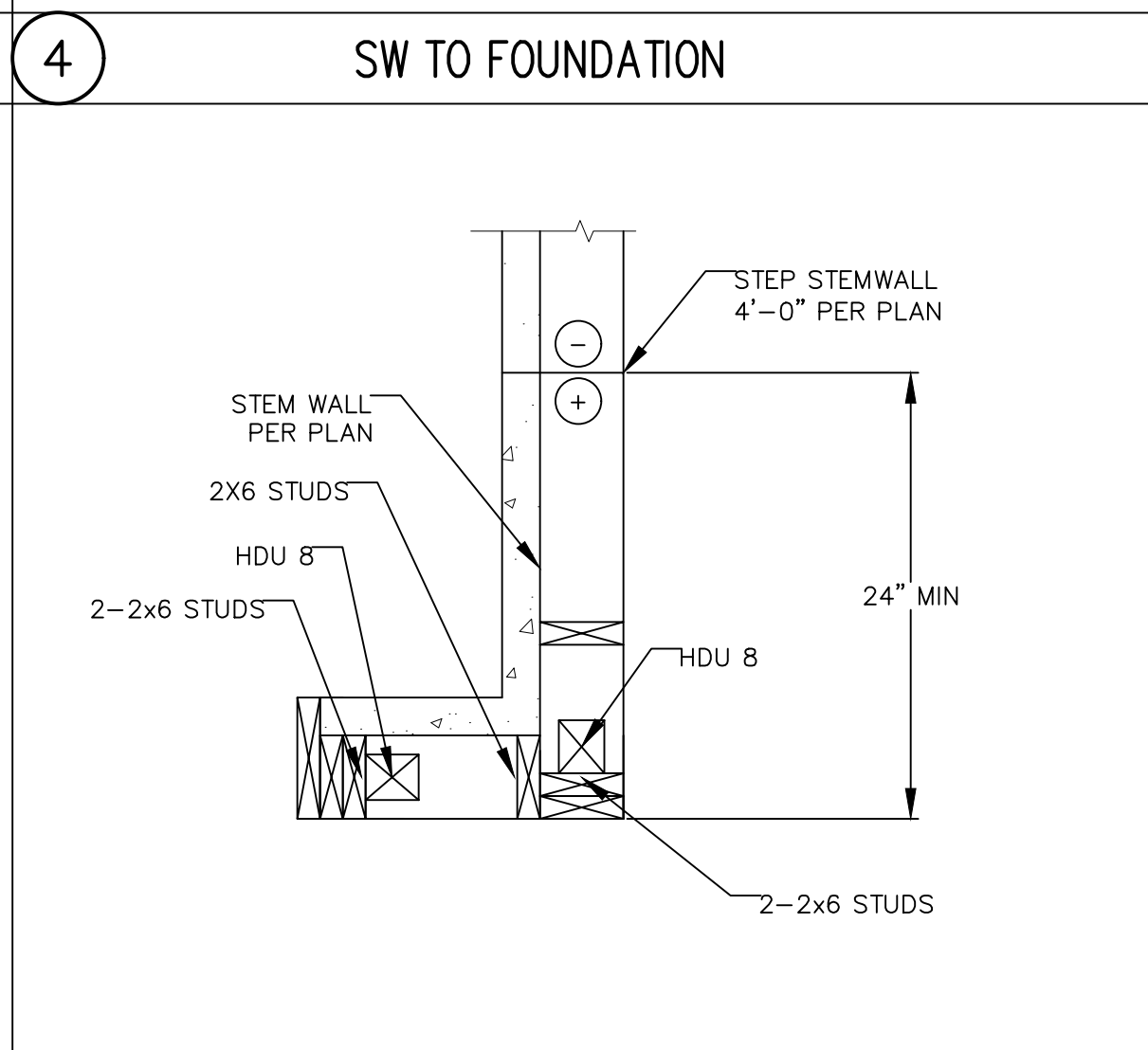
5 FLOOR DIAPHRAGM TO FOUNDATION



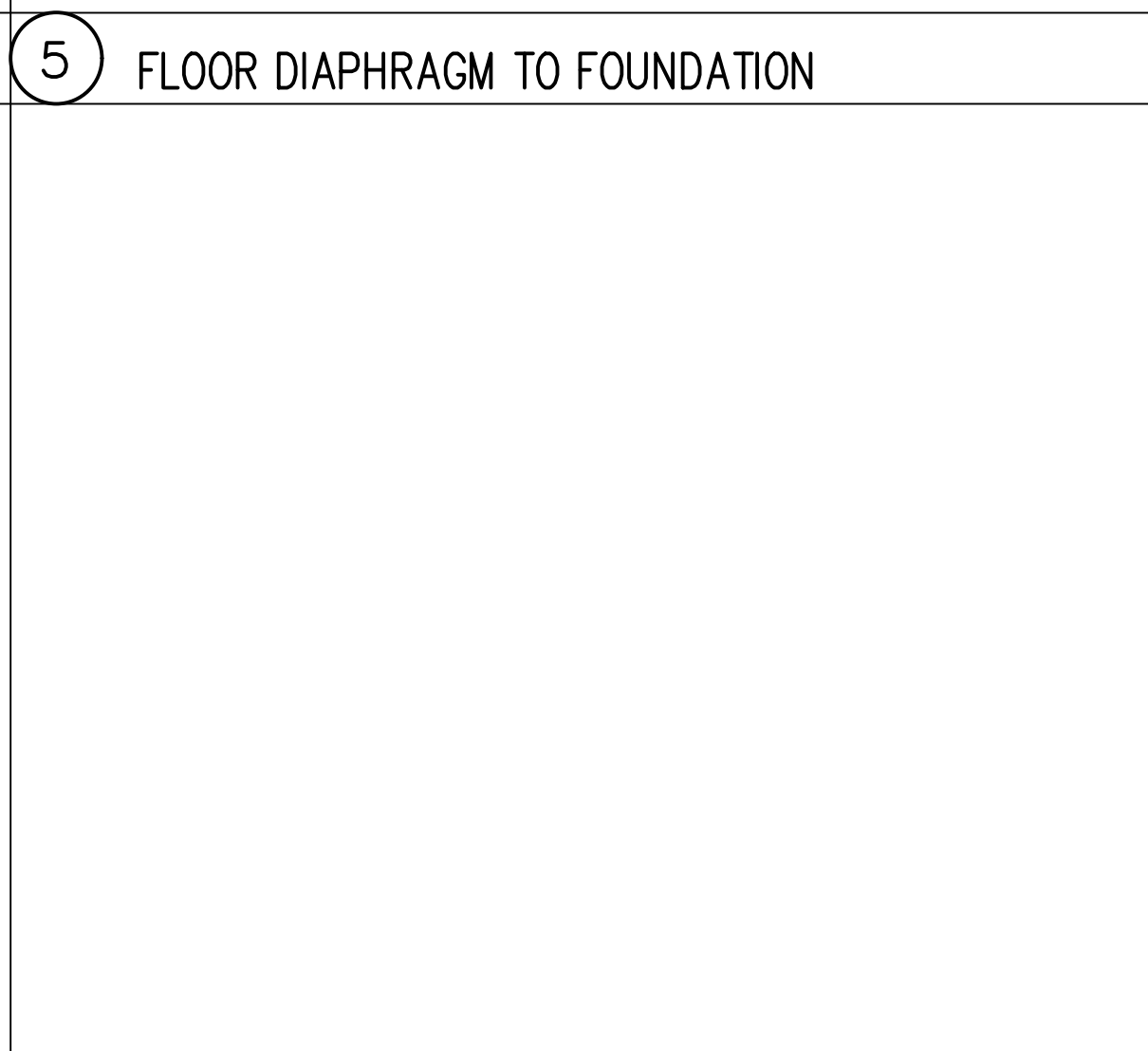
6 TRUSSES PERP TO WALL



7 RAISED STEM WALL (section below)



8 INT SHEARWALL PARALLEL TO FLOOR JOISTS



9 RAISED STEM WALL AT GARAGE RETURNS

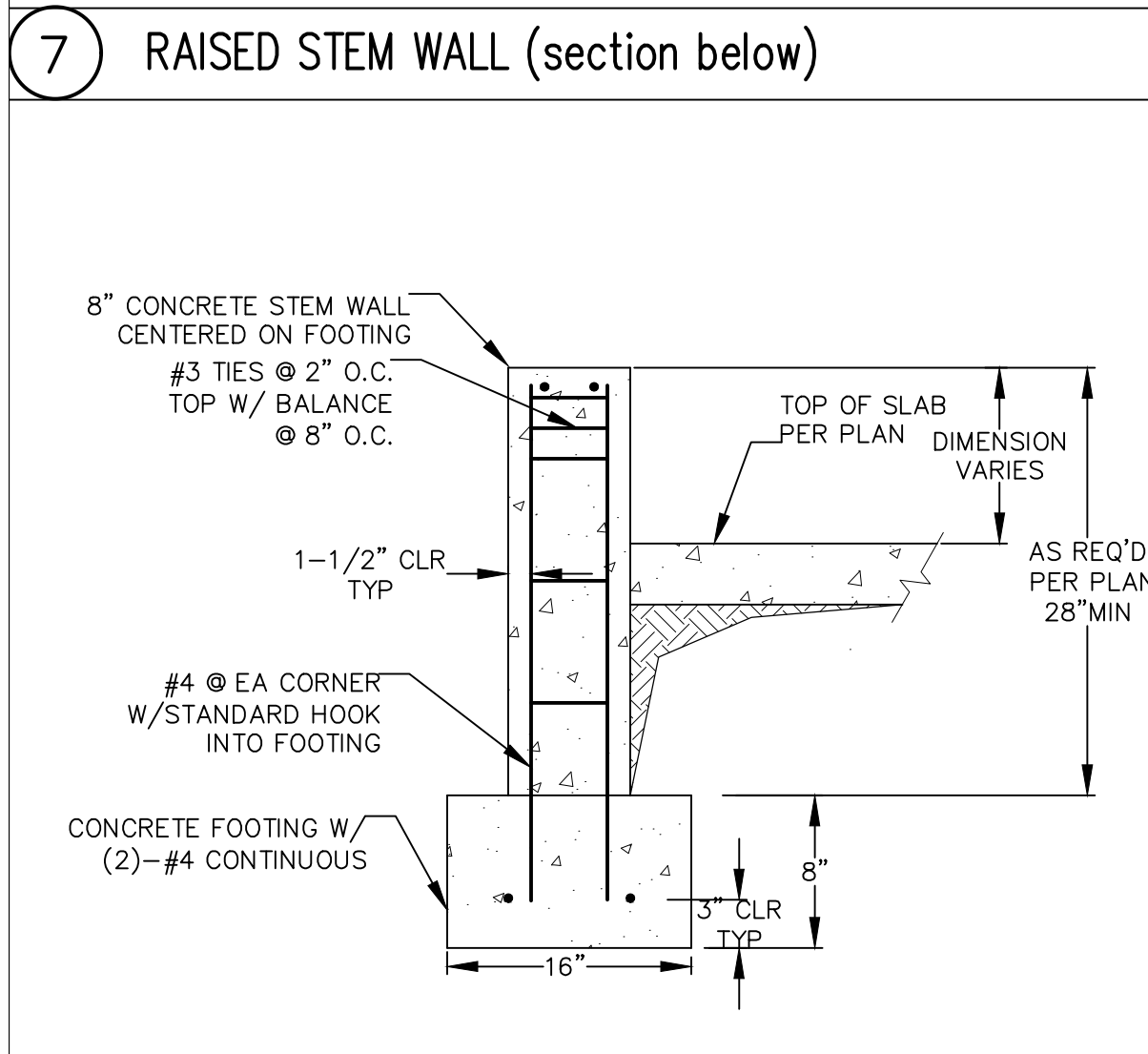
SHEARWALL SCHEDULE (1,6,8)

MARK	SHEATHING- (2,3) APPLY TO 2X HF STUDS @ 16\"/>					
SW-1	1/2" CDX ONE FACE	8d@6"oc	8d@12"oc	16d@6" w/2x BTM PL	5/8" dia @ 48" oc	242
SW-2	1/2" CDX ONE FACE	8d@4"oc	8d@12"oc	16d@6" w/2x BTM PL	5/8" dia @ 38" oc	349
SW-3	1/2" CDX ONE FACE (9)	10d@4"oc	10d@12"oc	16d@4" w/2x BTM PL	5/8" dia @ 16" oc	428
SW-4	1/2" CDX ONE FACE (9)	10d@3"oc	10d@12"oc	#10X6 WOOD SCREWS@3" oc	5/8" dia @ 12" oc	558
SW-5	1/2" CDX ONE FACE (9)	10d@2"oc	10d@12"oc	(2)#10X6 WOOD SCREWS@4" oc	5/8" dia @ 19" oc	716
SW-6	1/2" CDX EA FACE (9)	10d@4"oc	10d@12"oc	(2)#10X6 WOOD SCREWS@4" oc	5/8" dia @ 16" oc	856
SW-7	1/2" CDX EA FACE (9)	10d@3"oc	10d@12"oc	(2)#10X6 WOOD SCREWS@3" oc	5/8" dia @ 12" oc	1116

SHEARWALL & HOLDOWN NOTES (U.N.O.)

- ALL STUDS AND BLOCKING SHALL BE HF#2. ALL TOP AND BOTTOM PLATES SHALL BE HF#2. ALL SHEATHING EDGES SHALL BE BACKED WITH 2X OR WIDER FRAMING UNO (SEE NOTE 2) SHEATHING MAY BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY.
- LOCATE HOLDOWN (SIMPSON UNO) AT END OF SHEAR WALL.
- CONSTRUCT CRIPPLE WALL SAME AS SHEAR WALL (SW) ABOVE, AND GABLE END SAME AS SHEAR WALL (SW) BELOW.
- DEEPEN FOUNDATION AS REQ'D FOR HOLD DOWN EMBEDMENT.
- THREADED ROD AND COUPLER AS REQ'D.
- COMMON NAILS 8d=0.131"x2.5", 10d=0.148"x3", 12d=0.148"x3.25", 16d=0.162"x3.5", 30d=0.207"x4.5"
- INSTALL H1'S ON ALL TRUSSES/RAFTERS OR LS90 AT 24" OC ON GABLES AND RIM JOIST (OR SOLID BLKG) TO TOP PLATE (SILL PLATE AT FDN) UNO; TRUSSES/RAFTERS, CONNECTORS PER SIMPSON STRONG-TIE UNO.
- NAILING CRITERIA IS BASED ON IBC TABLE 2304.10.1 FOR CD PLYWOOD AND HF#2 FRAMING.
- SINGLE 3X NOMINAL MEMBER AT SILL PLATE AND AT ALL MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS.
- ALL MACHINE BOLTS (MB) SHALL BE ASTM A307 OR BETTER. HILTI KWIK BOLTS OF THE SAME DIAMETER SHOWN ABOVE MAY BE USED IN EXISTING CONCRETE. BOLTS SHALL BE EMBEDDED A MINIMUM OF 5" INTO EXISTING CONCRETE.
- PLATE WASHERS SHALL EXTEND TO WITHIN 1/2" OF THE BOTTOM PLATE ON THE SIDE(S) WITH SHEATHING FOR SW3 THROUGH SW7.
- ROWS CONSIST OF 2 NAILS SPACED 2" OC
- NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED 2" OC.
- SW4, SW5, SW6, & SW7 REQUIRE DOUBLE RIM JOISTS AND 3X BOTTOM PLATES.

10 LATERAL DESIGN CRITERIA



11 SECTION OF RAISED STEM WALL

SQUARE FTG SCHEDULE

MARK	WIDTH (FT-IN)	DEPTH (INCHES)	LENGTH (FT-IN)	REINFC EACH WAY
78	6-6	16	6-6	(6)#5
72	6-0	16	6-0	(6)#5
66	5-6	14	5-6	(5)#5
60	5-0	14	5-0	(5)#5
54	4-6	12	4-6	(4)#4
48	4-0	12	4-0	(4)#4
42	3-6	12	3-6	(3)#4
36	3-0	12	3-0	(3)#4
30	2-6	12	2-6	(2)#4
24	2-0	12	2-0	(2)#4
18	1-6	12	1-6	(2)#4
1608	1-4	8	CONT	(2)#4
1808	1-6	8	CONT	(2)#4
2408	2-0	8	CONT	(2)#4
2410	2-0	10	CONT	(2)#4
2412	2-0	12	CONT	(2)#4

11 SQUARE FOOTING SCHEDULE

HOLDOWN SCHEDULE

MODEL	ANCHOR BOLT	THRU BOLTS OR NAILS	EMBEDMENT LENGTH	MIN. EDGE DISTANCE
MSTC48B3	STRAP	(38) 16d in DBL STUD	CENTER ON RIM JOIST	
STHD14	STRAP	(38) 16d	14"	1 1/2"
STHD14RJ	STRAP	(38) 16d	14"	1 1/2"
HDU8-SDS2.5	SSTB28	(20) SDS1/4x2.5	25" MIN	1-3/4"

11 HOLD DOWN SCHEDULE

SHEAR WALL SCHEDULE

SEISMIC DESIGN CRITERIA
 SEISMIC IMPORTANCE FACTOR: 1.00
 SEISMIC DESIGN CATEGORY: D
 SHORT PERIOD ACCELERATION: 1.406
 1-SECOND ACCELERATION: 0.489
 SEISMIC FORCE RESISTING SYSTEM: BEARING WALL
 RESPONSE MODIFICATION FACTOR: 6.5
 DEFLECTION AMPLIFICATION FACTOR: 4.0
 METHOD USED: EQUIVALENT LATERAL FORCE SYSTEM OVERSTRENGTH FACTOR: 2.5

WIND DESIGN CRITERIA
 BASIC WIND SPEED: 110 MPH
 WIND EXPOSURE CATEGORY: B
 DESIGN METHOD USED: ENCLOSED SIMPLE DIAPHRAGM - LOW RISE
 WIND SPEED UP FACTOR: 1.3

11 LATERAL DESIGN CRITERIA

PITZER & ASSOCIATES, PLLC
 STRUCTURAL ENGINEERS
 7317 35TH STREET NE
 MARYSVILLE, WA 98270
 PHONE: 425-308-8070



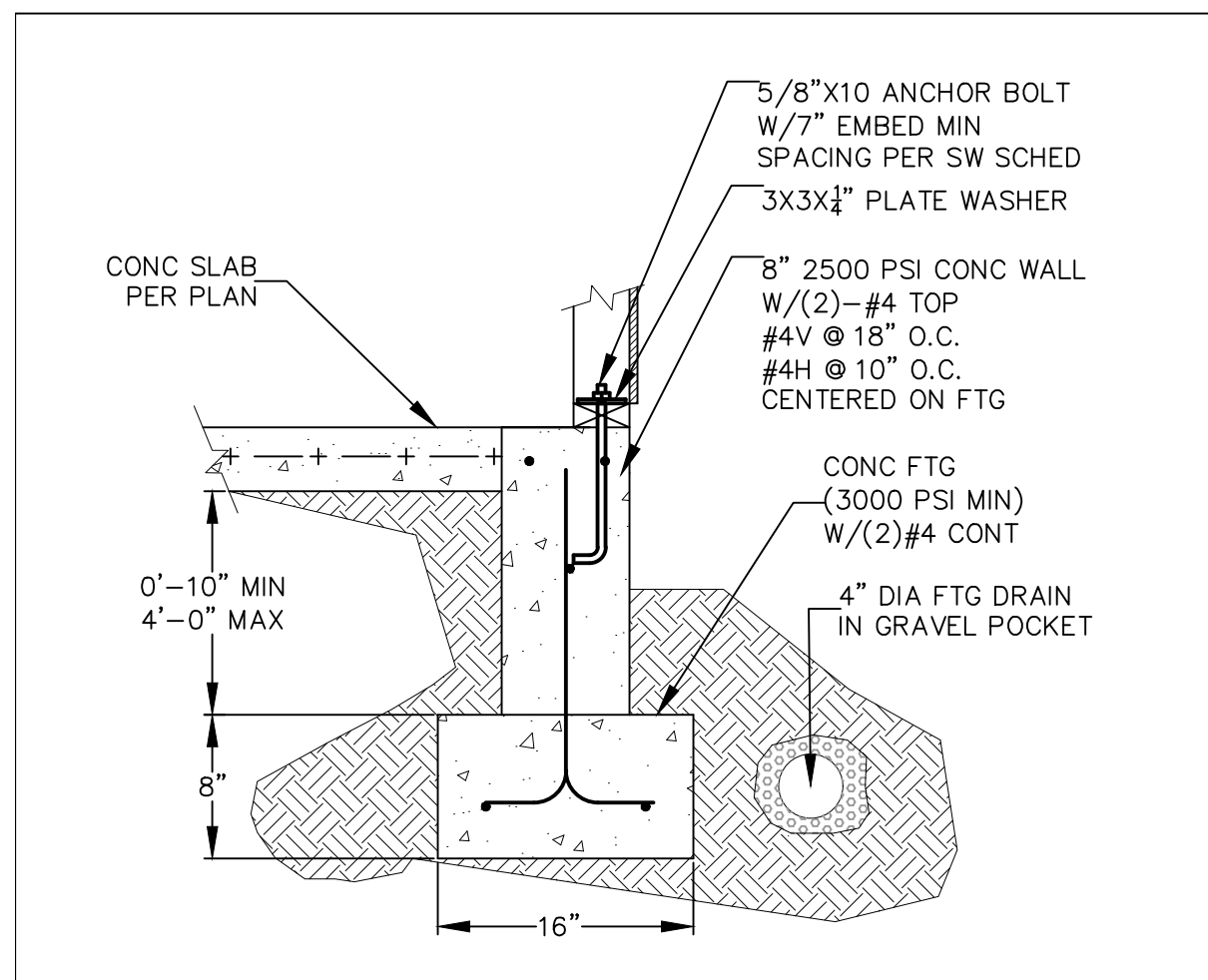
PROJECT NAME: PLAN M2595B3F-9

DRAWING TITLE: STANDARD LATERAL FORCE RESISTING SYSTEM DETAILS

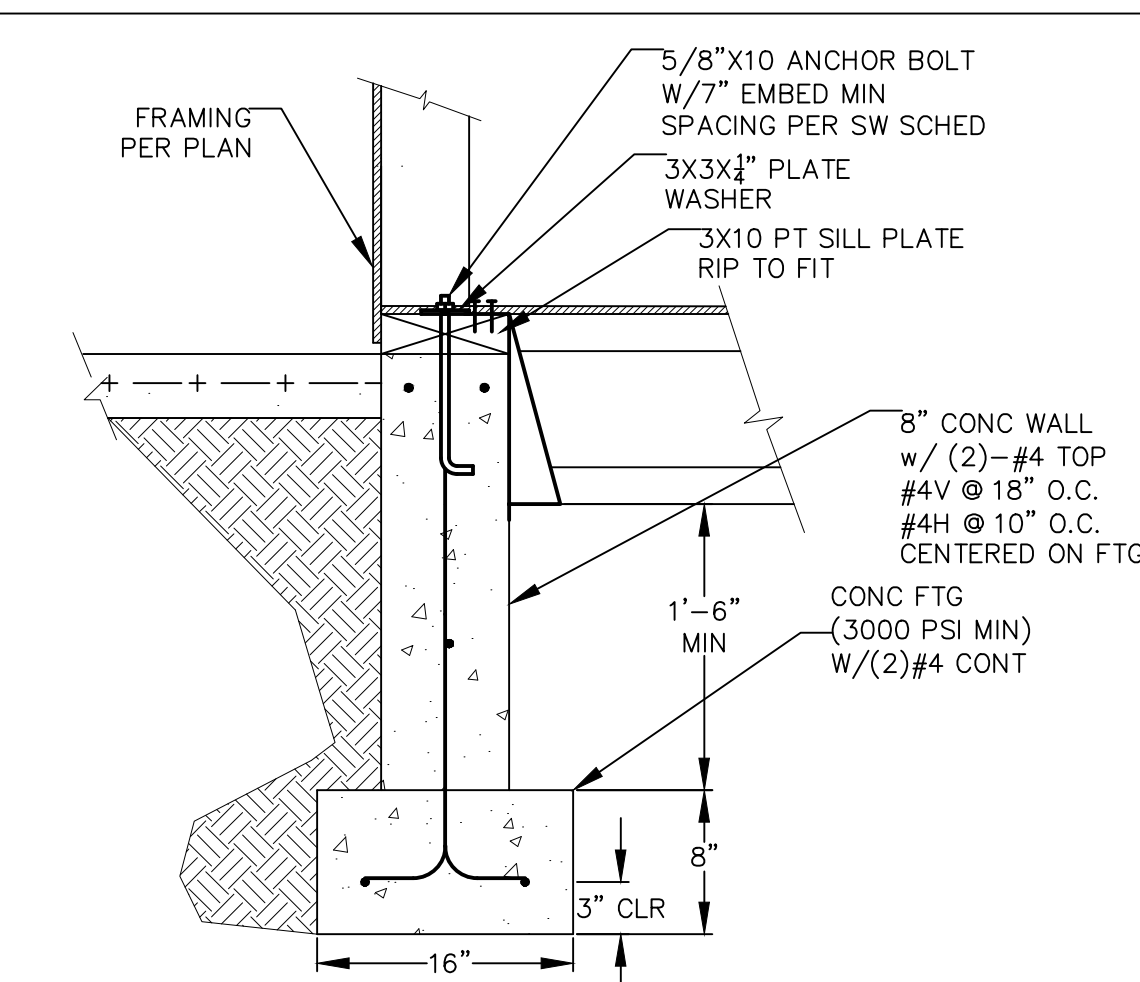
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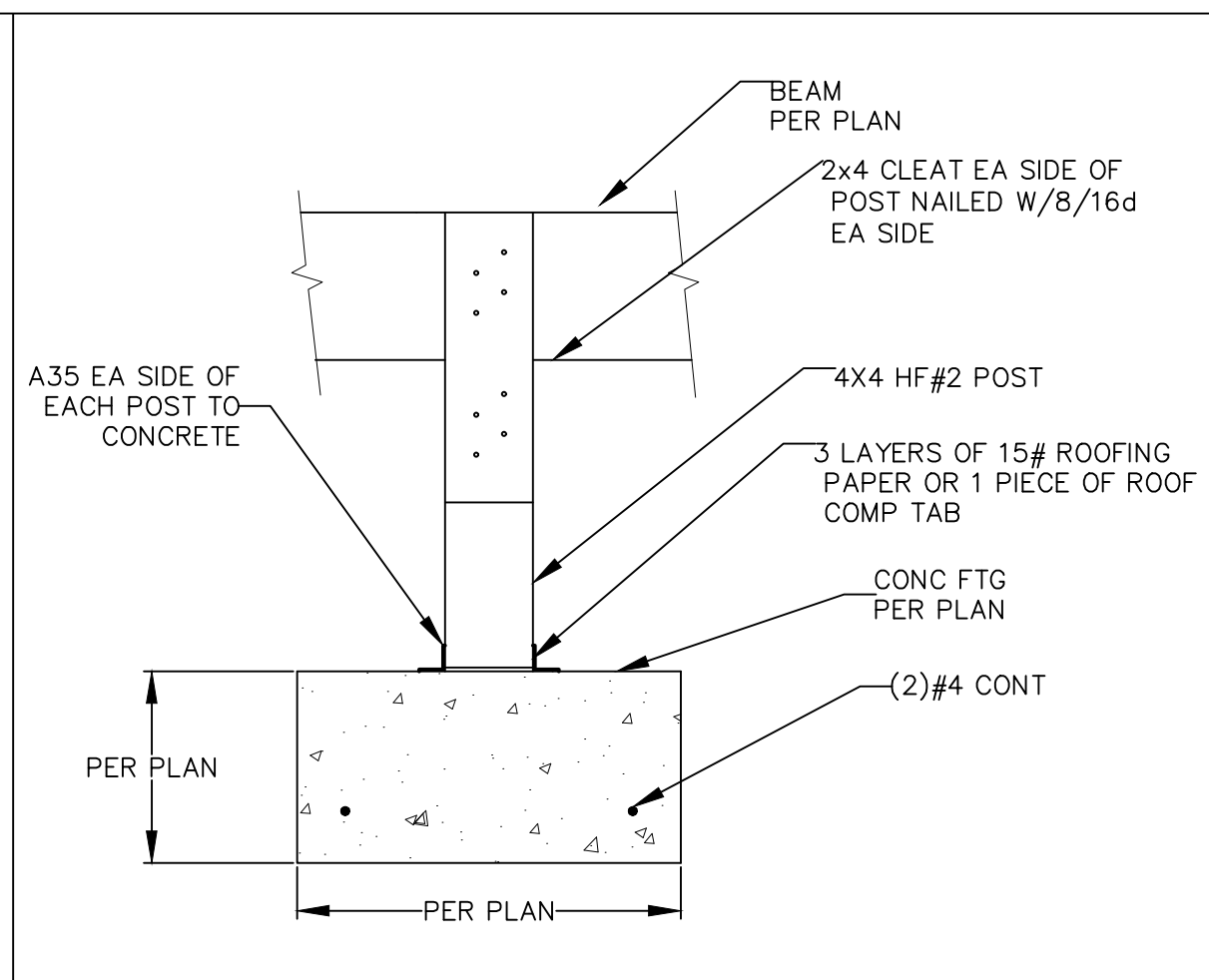
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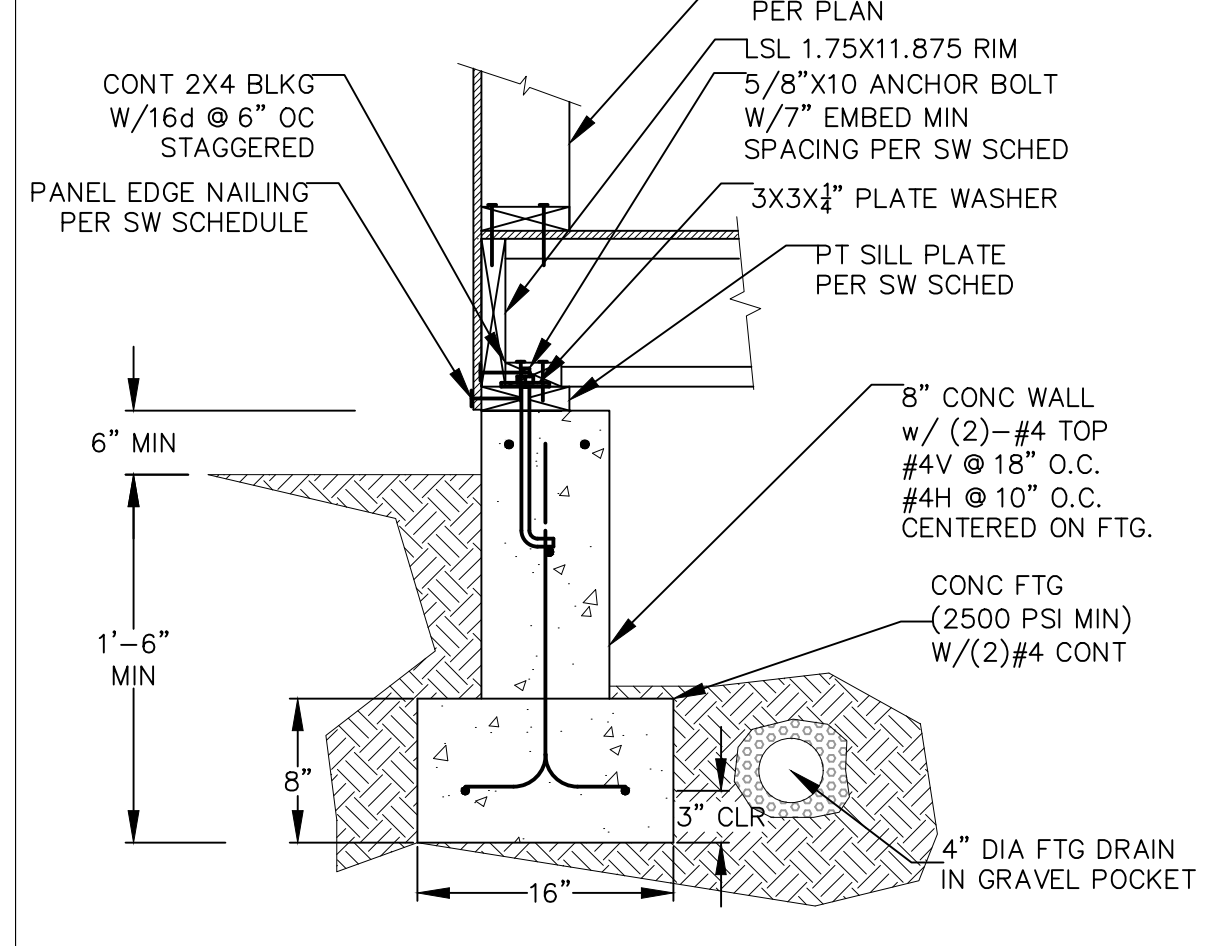
1 FOUNDATION WALL @ GARAGE



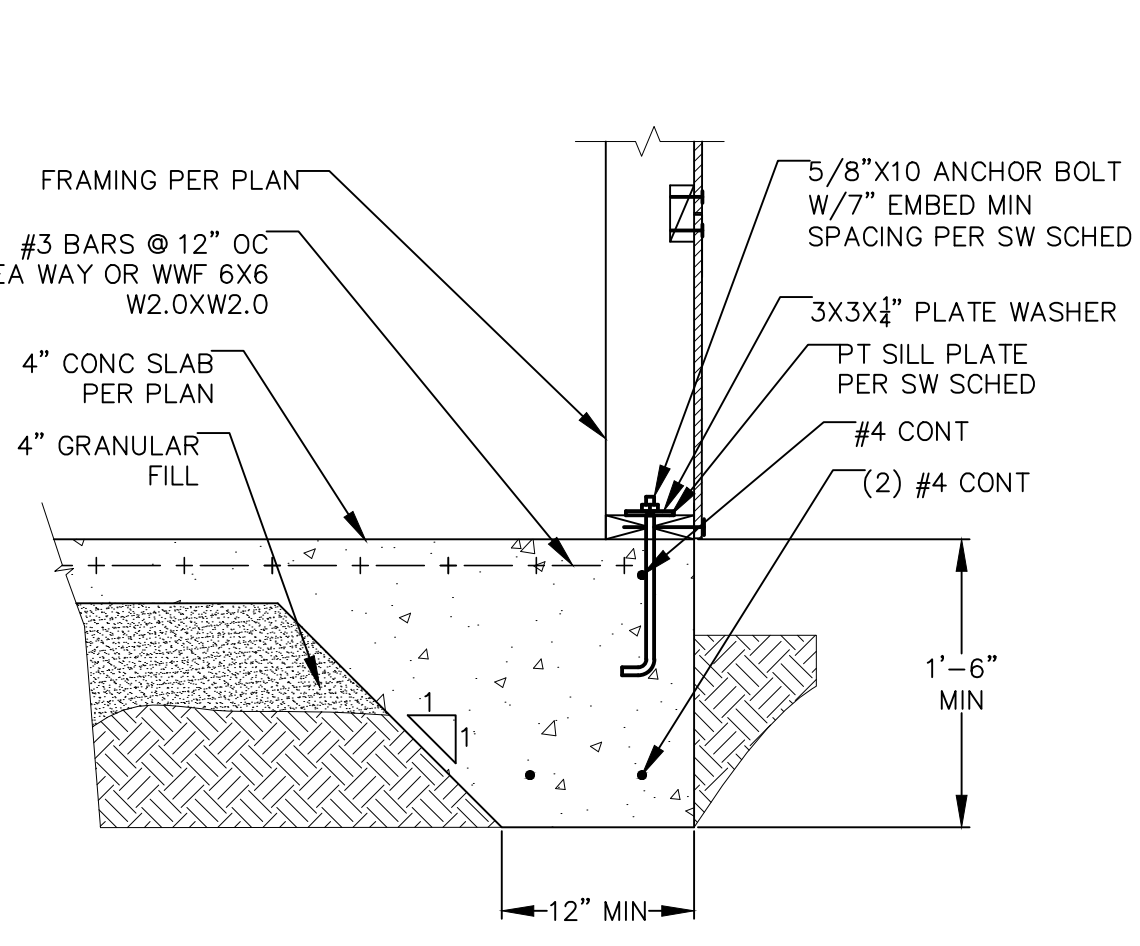
2 TYPICAL STEMWALL



3 TYPICAL POST/BEAM/FOOTING DETAIL



4 TYPICAL STEMWALL



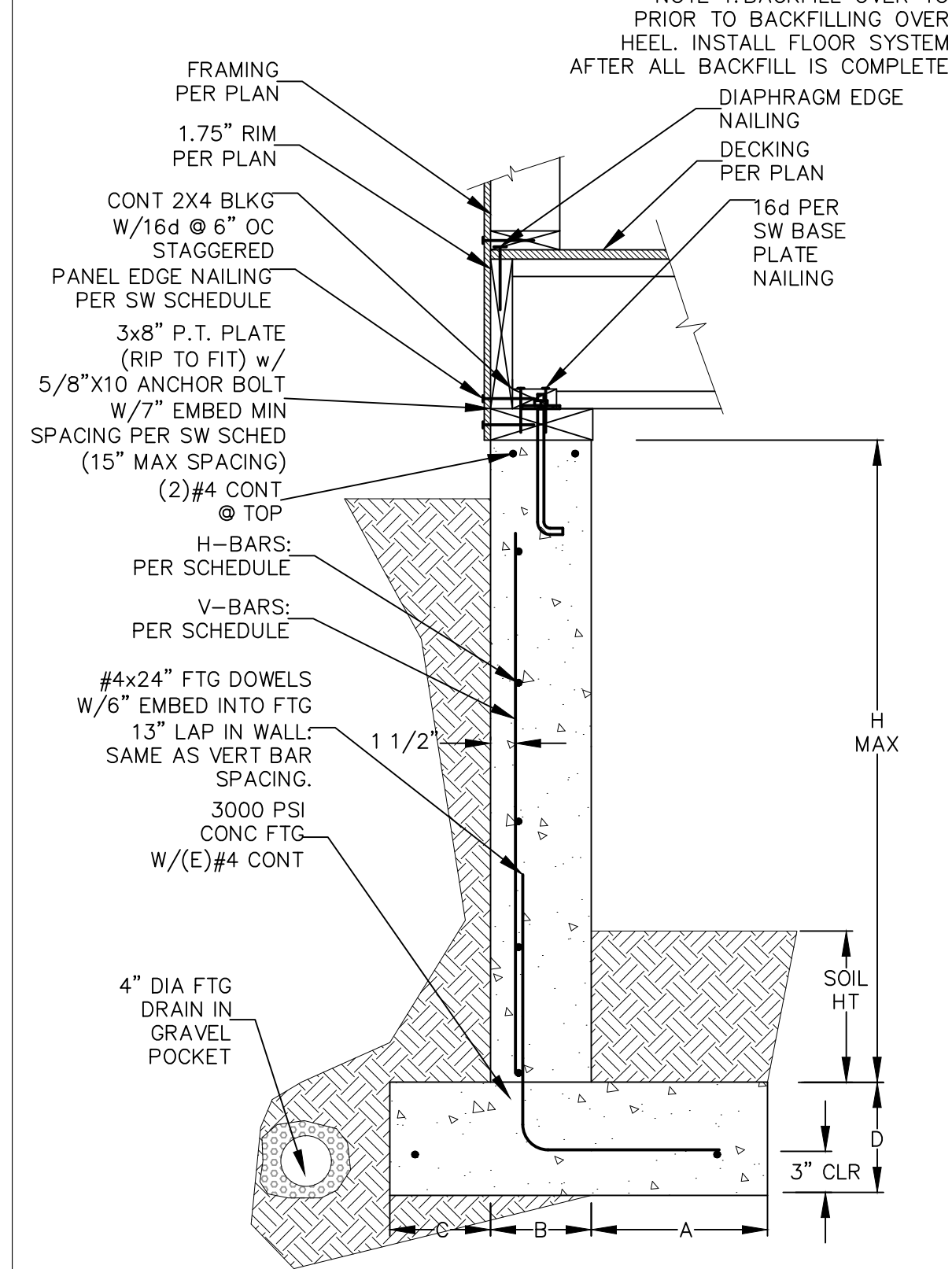
5 THICKENED SLAB EDGE



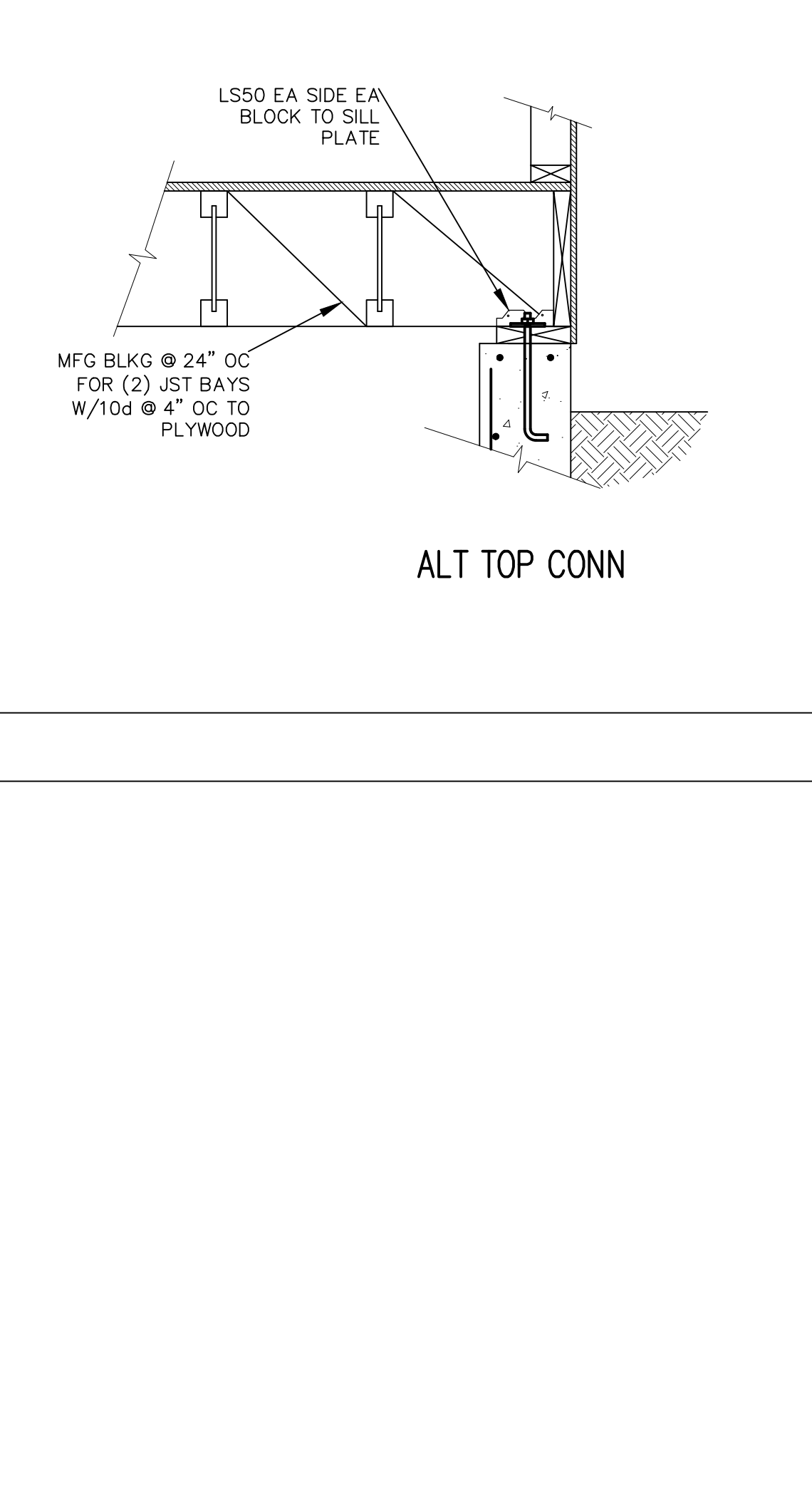
6 ALT TOP CONN

RETAINING WALL SCHEDULE W/O SLAB						
H MAX	A	B	C	D	V BARS	H BARS
4'-0"	0'-10"	8"	0'-10"	10'	2	#4@12
6'-0"	1'-4"	8"	1'-4"	10'	3	#4@12

GENERAL NOTES:
 IBC 2018 EDITION
 35 PCF EQUIV FLUID PRES PSF SOIL BEARING PRES.
 0 PSF SURCHARGE
 5/8 SACK CEMENT PER CYD (2500 PSI) MIN COMPRESIVE MAX 6 GAL WATER PER SACK
 GR. 60 STEEL FOR #5 & LARGER GR. 40 STEEL FOR #4 & SMALLER
 BACKFILL w/ POURIOUS MATERIAL



7 8" Step Down CW W/O Slab



8 8" Step Down CW W/O Slab

GENERAL:
 THE FOLLOWING STRUCTURAL NOTES ARE SUPPLEMENTARY AND ARE NOT INTENDED TO SUPERSEDE THE SPECIFICATIONS AND/OR DETAILS SHOWN ON THE DRAWINGS.
CODE:
 ALL CONSTRUCTION SHALL CONFORM WITH THE INTERNATIONAL BUILDING CODE (IBC) 2018 EDITION.
DESIGN LOADS:
 ROOF: 25 PSF (SNOW)
 FLOORS: 40 PSF LIVE LOAD
 BALCONIES: 60 PSF LIVE LOAD
 EXIT STAIRS: 100 PSF LIVE LOAD
 DECKS: 60 PSF LIVE LOAD
 MOVEABLE PARTITIONS: 20 PSF DEAD LOAD
 ULTIMATE WIND SPEED: 110 MPH (EXPOSURE B)
 SEISMIC DESIGN CATEGORY: D
 SOIL: 1500 PSF (ASSUMED DESIGN BEARING)
INSPECTIONS:
 NO SPECIAL INSPECTIONS ARE REQUIRED. NOTIFY BUILDING DEPARTMENT FOR BUILDING DEPARTMENT INSPECTIONS AS REQUIRED BY LOCAL ORDINANCE.
FOUNDATIONS:
 EXTEND FOOTINGS TO UNDISTURBED SOIL OF 1500 PSF SOIL BEARING CAPACITY (ASSUMED). BOTTOM OF EXTERIOR FOOTINGS SHALL BE 1'6" MIN. BELOW OUTSIDE FINISHED GRADE. CENTER ALL FOOTINGS ON COLUMNS AND WALLS UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.
COMPACTED FILL:
 SOIL USED FOR COMPACTED FILL SHOULD CONSIST OF PREDOMINANTLY WELLGRADED GRANULAR SOIL FREE OF ORGANIC MATERIAL AND DEBRIS. FILL USED FOR FOUNDATION AND FLOOR SLAB SUPPORT MUST BE PROPERLY PLACED AND COMPACTED. FILL SHOULD BE PLACED IN MAXIMUM 8 TO 10 INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED BY ASTM D-1557 TEST PROCEDURES WITHIN THE BUILDING AREA.
SHOP DRAWINGS:
 SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS CONSISTING OF REPRODUCTIONS OR COPIES OF ANY PORTIONS OF THE STRUCTURAL DRAWINGS WILL NOT BE ACCEPTED AS SHOP DRAWINGS NOR REVIEWED BY THE STRUCTURAL ENGINEER AS SUCH.
 1) METAL PLATE CONNECTED WOOD TRUSSES
 THE ENGINEER OF RECORD WILL REVIEW SHOP DRAWINGS FOR DESIGN INTENT ONLY. VERIFICATION OF DIMENSIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NOT GUARANTEED BY THE ENGINEER OF RECORD. DRAWINGS FOR COMPONENTS DESIGNED PRIMARILY BY THE MANUFACTURER SHALL BEAR THE STAMP OF A LICENSED WASHINGTON STATE STRUCTURAL ENGINEER AND BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR A CURSORY REVIEW FOR COMPLIANCE WITH THE INTENT OF THE STRUCTURAL DRAWINGS AND FOR LOADS IMPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. SUBMISSIONS SHALL INCLUDE A REPRODUCIBLE AND TWO COPIES. REPRODUCIBLE WILL BE REVIEWED AND RETURNED. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO REVIEW BY THE ENGINEER.
 SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.
CONCRETE:
 f'c=2500 PSI MIN. 5-1/2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE AND A MAXIMUM OF 6.0 GALLONS OF WATER PER 94 LB. SACK OF CEMENT UNO. NO SPECIAL INSPECTION REQUIRED. MAXIMUM SIZED AGGREGATE IS 1-1/2". MAXIMUM SLUMP IS 4".
 ADD MASTER BUILDER'S POZZOLITH PER MANUFACTURER'S RECOMMENDATIONS TO ALL CONCRETE EXCEPT FOOTING. ALL CONCRETE IN FOOTINGS AND WALLS SHALL BE POURED IN A MONOLITHIC POUR UNLESS SHOWN OTHERWISE OR APPROVED BY THE ARCHITECT PRIOR TO POURING CONCRETE. VIBRATE ALL CONCRETE. SEGREGATION OF MATERIALS TO BE PREVENTED. CONCRETE FOR BASEMENT WALLS, FOUNDATION WALLS, EXTERIOR WALLS AND OTHER VERTICAL CONCRETE SURFACES EXPOSED TO WEATHER TO BE 3000 PSI. DRIVEWAYS, CURBS, WALKS, PATIOS, PORCHES, CARPORT SLABS, STEPS AND OTHER FLATWORK EXPOSED TO THE WEATHER AND GARAGE FLOOR SLABS OR OTHER CONCRETE THAT MAY BE EXPOSED TO DETRIMENTAL CHEMICALS TO BE TO BE 3000 PSI AND AIR ENTRAINED (5% AIR). PLACE NO FILL AGAINST FOUNDATION OR BASEMENT WALLS UNTIL FLOORS ARE IN PLACE, OR WALLS HAVE BEEN ADEQUATELY SHORED TO RESIST LATERAL EARTH PRESSURE AND CONCRETE HAS ATTAINED ITS FULL STRENGTH. SLAB-ON-GRADE ROLL AND MOISTEN SUBGRADE BEFORE POUR. WHERE VAPOR BARRIER IS REQUIRED INSTALL UNDER 2 INCHES OF CLEAN COURSE SAND. SAW CUT CRACK CONTROL JOINTS WITHIN 24 HOURS OF POUR OR INTALL ZIP-STRIP LOCATED AT COLUMN LINES. MAXIMUM AREA 400 S.F. WITH SUPPORTED 6 X 6 - W1.4 X W 1.4 WELDED WIRE MESH.
COLD WEATHER REQMT'S: CONCRETE THAT IS TO BE PLACED DURING FREEZING OR NEAR FREEZING WEATHER SHALL COMPLY WITH THE FOLLOWING:
 1. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER.
 2. CONCRETE MATERIALS AND REINFORCEMENT, FORMS, FILLERS, AND GROUND WITH WHICH CONCRETE IS TO COME IN CONTACT SHALL BE FREE FROM FROST.
 3. FROZEN MATERIALS OR MATERIALS CONTAINING ICE SHALL NOT BE USED.
REINFORCING STEEL:
 ALL REINFORCING STEEL OF #5 AND LARGER BARS SHALL BE GRADE 60 DEFORMED BARS, AND #3 AND #4 BARS SHALL BE GRADE 40, IN ACCORDANCE WITH ASTM SPECIFICATION A-615. UNLESS NOTED OTHERWISE ON THE DRAWINGS. WELDED WIRE FABRIC SHALL CONFORM TO ASTM SPECIFICATION A-185 AND SHALL BE 6 X 6 - W1.4 X W 1.4 U.N.O. ON THE PLANS. LAP ONE FULL MESH AT SPLICES. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 DOUBLE ANNEALED IRON WIRE. APPROVED WIRE OR PRECAST CONCRETE BLOCK BAR SUPPORTS SHALL BE AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE MSP-1-86. LAP ALL SPLICES #2 BAR PRODUCTS MINIMUM UNLESS OTHERWISE SHOWN. PROVIDE ELBOW BARS (32 DIA.) TO LAP HORIZONTAL STEEL AT CORNERS AND INTERSECTIONS IN FOOTINGS, WALLS, AND BEAMS. PROVIDE 2-#5 ALL SIDES AND 1-#5 X 45° DIAGONALLY AT CORNERS OF ALL OPENINGS 1'6" OR MORE IN ANY DIRECTION. TEND 2'0" PAST OPENING OR HOOK. DOWEL NEW WALLS TO EXISTING WALLS AT 16" INTERVALS WITH 5/8" X 1'6" LONG PLAIN DOWELS DRILLED 6" INTO EXISTING CONCRETE.
CONCRETE COVER FOR REINFORCING STEEL CLEAR DIMENSION (U.N.O. ON PLANS):
USE PROTECTION
 SLAB AND WALL BARS:
 INTERIOR FACES EXPOSED TO WEATHER OR EARTH: 3/4"
 2" (#6 AND LARGER) OR 1-1/2" (#5 AND SMALLER)
 FOOTING BARS: 3" FROM BOTTOM
 SLAB ON GRADE: 1-1/2" FROM TOP

REINFORCING WELDING:
 REINFORCING MAY BE WELDED ONLY WHERE PERMITTED BY THE ENGINEER. ALL WELDED REBAR TO BE GRADE 40. MAX. CARBON CONTENT .35% (OR WELDABLE ASTM A706 GRADE 60 REBAR NOTED ON THE DRAWINGS). SUBMIT MILL CERTIFICATE SHOWING REINFORCING CHEMICAL CONTENTS TO ARCHITECT. FOLLOW "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION" BY THE AMERICAN WELDING SOCIETY ANS/AWS D1.4-98. ALL WELDING SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS. USE FRESH LOW HYDROGEN E70XX ELECTRODES, AWS A5.1 FOR GRADE 40 BARS AND E70XX ELECTRODES, AWS A5.1 FOR GRADE 40 BARS AND E90XX ELECTRODES, AWS A5.5 FOR GRADE 60 BARS. BENDS IN REINFORCING TO BE WELDED SHALL NOT BE CLOSER THAN 3" TO WELD.
ROOF TRUSSES:
 METAL PLATE CONNECTED WOOD TRUSSES SHALL BE DESIGNED BY A WASHINGTON STATE PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE TRUSS PLATE INSTITUTE AND THE IBC. METAL PLATES SHALL BE ICB0 APPROVED VERIFIED BY A CURRENT REPORT NUMBER. TRUSSES SHALL BE PLANT FABRICATED BY A MANUFACTURER IN COMPLIANCE WITH IBC SECTION 2303.4. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS, INCLUDING ERECTION PLANS, SIGNED BY A WASHINGTON STATE PROFESSIONAL ENGINEER, TO THE BUILDING DEPARTMENT AND ENGINEER FOR APPROVAL. THE TRUSSES SHALL BE MANUFACTURED IN A PLANT THE ARCHITECT APPROVES, UNDER THE REQUIREMENTS OF IBC SECTION 1703. EACH TRUSS SHALL BEAR THE QUALITY CONTROL (IBC SECTION 2303.4.1) AS WELL AS MANUFACTURING PLANT'S NAME/ADDRESS, DESIGN LOAD AND MAXIMUM SPACING, IN ACCORDANCE WITH IBC SECTION 2303.4.1. THE MANUFACTURER IS RESPONSIBLE FOR VERIFICATION OF ALL TRUSS LENGTHS PRIOR TO FABRICATION AND FOR IDENTIFICATION OF ALL TRUSS MEMBERS REQUIRING BRACING FOR REDUCTION OF BUCKLING LENGTH. THE TRUSS ERECTION CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF SAID BRACING AND FOR ALL TEMPORARY BRACING REQUIRED DURING THE INSTALLATION PROCESS. U.N.O. ON THE PLANS. EACH TRUSS BEARING CONNECTION TO BE 2-16d TOE-NAILED PLUS ONE H1 SEISMIC TIE AT EVERY OTHER CONNECTION. PROVIDE FULL DEPTH SOLID BLOCKING BETWEEN EACH TRUSS AT EACH OUTER BEARING. PROVIDE 1/2" GAP BETWEEN BOTTOM CHORDS AND PERPENDICULAR NON-BEARING WALLS AND CONNECT WITH SIMPSON DTC ON ONE SIDE.
TIMBER:
 BEAMS (4X AND GREATER) DF-L #1 OR BETTER
 POSTS DF-L #1 OR BETTER
 STUDS HF #2/STUD
 ALL OTHER LUMBER HF #2 OR BETTER
 ALL 2X ____ TIMBER KILN DRIED. ALL GRADES SHALL CONFORM TO A "WWPA GRADING RULES FOR WESTERN LUMBER, LATEST EDITION". BOLT HEADS AND NUTS BEARING AGAINST WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESURE TREATED. MISCELLANEOUS HANGERS TO BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. OR APPROVED EQUAL. ALL HOLES SHALL BE NAILED. MACHINE BOLTS TO BE A-307. ANCHOR BOLTS INTO CONCRETE SHALL BE 5/8" DIAMETER @ 48" O.C. (UNLESS NOTED OTHERWISE). WITH MIN. EMBEDMENT PER IBC CODE. ALL NAILS SHALL BE COMMON WIRE NAILS. SPIKE ALL LAMINATED MEMBERS TOGETHER WITH 10d NAILS @ 12" O.C. STAGGERED. SPLICE LAMINATIONS AT SUPPORTS ONLY. ALL FASTENERS AND CONNECTORS FOR PRESURE TREATED WOOD TO BE HOT-DIPPED GALVANIZED STEEL. THE COATING WEIGHTS FOR ZINC COATED FASTENERS TO BE IN ACCORDANCE WITH ASTM A-153.
FLOOR FRAMING:
 PROVIDE CONTINUOUS SOLID BLOCKING FOR JOISTS AT THE SUPPORTS AND APPROVED METAL CROSS BRIDGING @ 8'-0" MAXIMUM. PROVIDE DOUBLE JOISTS UNDER PARTITIONS EXTENDING 1/2 OR MORE OF THE JOIST SPAN. FLUSH BEAMS (F.B.) NOT CALLED OUT ON THE PLANS SHALL BE DOUBLE JOISTS. ALL VERTICALLY LAMINATED BEAMS AND HEADERS SHALL BE SPIKED TOGETHER WITH 16d AT 12" O.C. STAGGERED.
SHEAR WALL FRAMING: APPLY 7/16" CDX OR OSB TO 2X STUDS SPACED AT 16"/O MAX, BLOCK ALL PANEL EDGES, 8d AT 6"/O C AT ALL EDGES, AND 8d AT 12"/O C AT INTERIOR SUPPORTS, U.N.O.
ROOF DIAPHRAGM: APPLY 19/32" CDX OR OSB PLYWOOD (24/0) ON ROOF, NAIL 10d AT 6"/O C AT SUPPORTED EDGES AND 10d AT 12" O/C AT INTERIOR SUPPORTS, BLK NOT REQ'D. USE DOUBLE 2X6 HF#2 TOP PLATE W/4'-0" OVERLAP W/18-10d NAIL-GUN NAILS EA SIDE OF EA SPLICE.
2ND FLOOR DIAPHRAGM: APPLY 3/4" T&G STURD-I-FLOOR OR OSB W/2X FLOOR FRAMING MEMBERS, GLUE AND 10d AT 4" O/C AT ALL SUPPORTED EDGES, 10d AT 12"/O C AT INTERIOR SUPPORTS, U.N.O. USE DOUBLE 2X6 HF#2 TOP PLATE W/4'-0" OVERLAP W/12-10d NAIL-GUN NAILS EA SIDE OF EA SPLICE.
BEARING WALL FRAMING:
 ALL DOOR AND WINDOW HEADERS NOT CALLED OUT ON THE PLANS SHALL BE 4X10 DF-L #2 WITH ONE CRIPPLE AND ONE STUD EACH END FOR OPENINGS 4'-0" OR LESS AND TWO CRIPPLES AND TWO STUDS FOR OPENINGS MORE THAN 4'-0" WIDE. ALL COLUMNS NOT CALLED OUT ON THE PLANS SHALL BE TWO (2) STUDS. BLOCK SOLID TO FOUNDATION. SPIKE LAMINATED COLUMNS TOGETHER WITH 10d @ 18" O.C. STAGGERED. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESURE TREATED. STAGGER SPLICES AT TOP PLATES A MIN. OF 48" TYPICAL AND NAIL PER TABLE 2304.10.1 OF THE I.B.C.
GLUED LAMINATED WOOD MEMBERS:
 GLUED LAMINATED WOOD BEAMS, DOUGLAS FIR, KILN-DRIED, STRESS GRADE COMBINATION 24F-V4 (Fb = 2,400 PSI) FOR SIMPLE SPANS AND 24F-V8 FOR CANTILEVER AND CONTINUOUS SPANS. GLUE SHALL BE CASEIN WITH MOLD INHIBITOR. BOTTOM LAM TO BE FREE OF UNSOUND KNOTS LARGER THAN 1/2" DIAMETER. AITC STAMP AND CERTIFICATION REQUIRED. FABRICATOR SHALL SUBMIT 3 SETS OF DETAILS AND SPECIFICATIONS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION. ALL BEAMS ARE TO BE CAMBERED AT R = 2000' U.N.O.
ENGINEERED LUMBER PRODUCTS:
 PRODUCTS MANUFACTURED BY ROUSEBURG: 2.0E RIGIDLAM LVL ALLOWABLE DESIGN STRESSES: E = 2,000,000 PSI Fb = 3,100 PSI Fv = 290 PSI Fc(perp) = 750 PSI Fc(par) = 3,000 PSI EQUIVALENT ENGINEERED LUMBER PRODUCTS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PENDING REVIEW AND APPROVAL OF THE ARCHITECT, PROVIDED THEY HAVE IBC APPROVAL FOR EQUAL OR GREATER ALLOWABLE DESIGN STRESSES.
MISCELLANEOUS:
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ALL CONDITIONS AT JOBSITE INCLUDING BUILDING AND SITE CONDITIONS BEFORE COMMENCING WORK AND BE RESPONSIBLE FOR SAME. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCE WILL BE MADE IN THE CONTRACT AND/OR MANUFACTURER'S FAVOR BY VIRTUE OF ERRORS, AMBIGUITIES AND/OR OMISSIONS WHICH SHOULD HAVE BEEN DISCOVERED DURING THE PREPARATION OF BID ESTIMATE AND DIRECTED TO THE ATTENTION OF THE ARCHITECT IN A TIMELY MANNER. ANY ERRORS, AMBIGUITIES AND/OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY IN WRITING. NO WORK IS TO BE STARTED BEFORE CORRECTION IS MADE. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACINGS AS REQUIRED UNTIL ALL PERMANENT CONNECTIONS AND STIFFENINGS HAVE BEEN INSTALLED. THE CONTRACTOR SHALL COORDINATE WITH THE BUILDING DEPARTMENT FOR ALL BUILDING DEPARTMENT REQUIRED INSPECTIONS. DO NOT SCALE DRAWINGS. USE ONLY WRITTEN DIMENSIONS. THE DETAILS SHOWN ARE TYPICAL AND SHALL BE USED FOR LIKE OR SIMILAR CONDITIONS NOT SHOWN. VARIATIONS AND MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF THE ARCHITECT AND CAN BE REPRODUCED ONLY WITH THE PERMISSION OF THE ARCHITECT, IN WHICH CASE THE REPRODUCTION MUST BEAR THEIR NAMES AS ARCHITECT. PRE-FABRICATED ITEMS TO BE HANDLED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

GENERAL STRUCTURAL NOTES

PITZER & ASSOCIATES, PLLC
 STRUCTURAL ENGINEERS
 7317 35TH STREET NE
 MARYSVILLE, WA 98270
 PHONE: 425-308-8070

J. PITZER
 LICENSED PROFESSIONAL ENGINEER
 40881
 REG. LICENSE
 EXPIRES 12-02-22

PROJECT NAME: **PLAN M2595B3F-9**

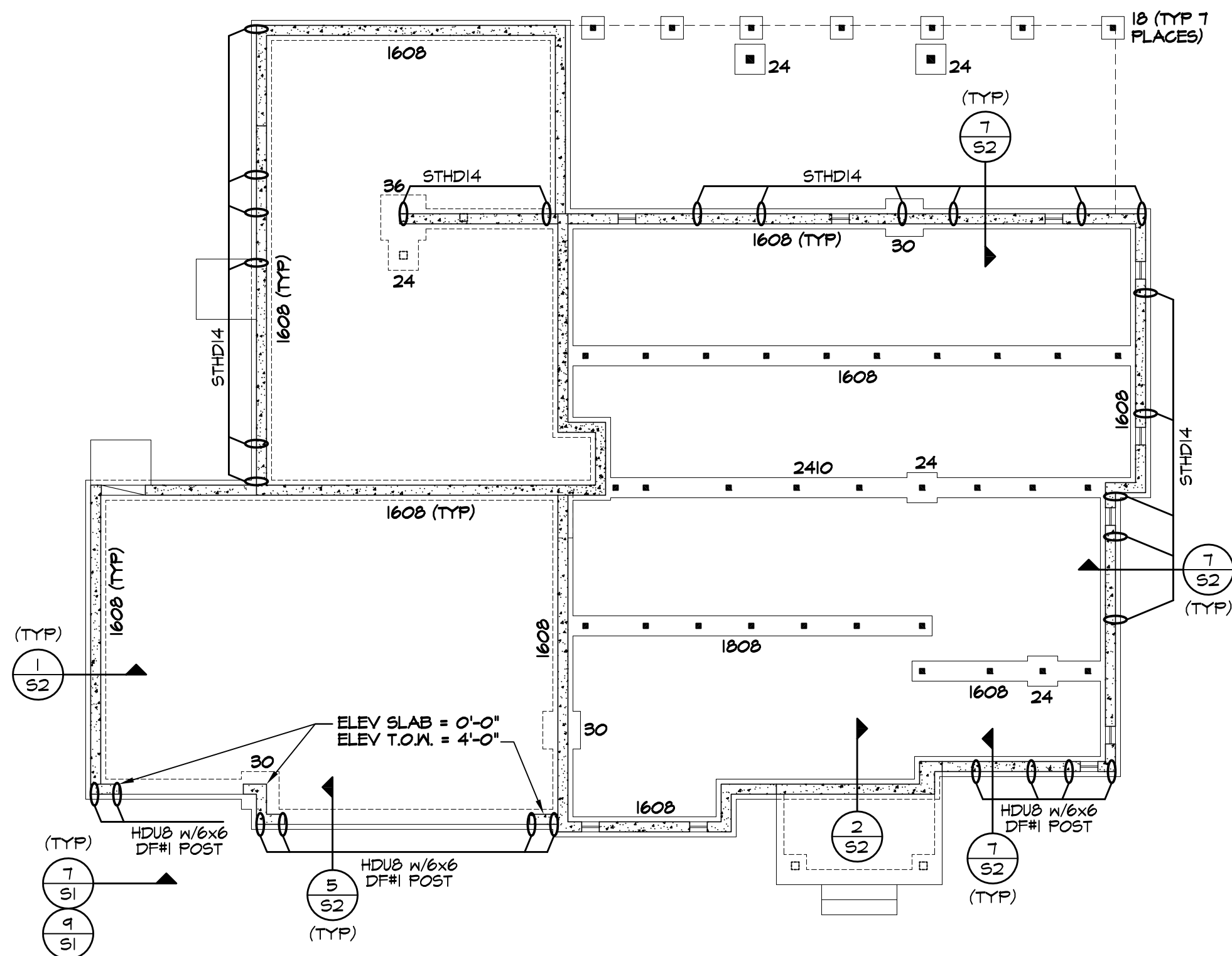
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DATE/REVISIONS: **12/7/2021**

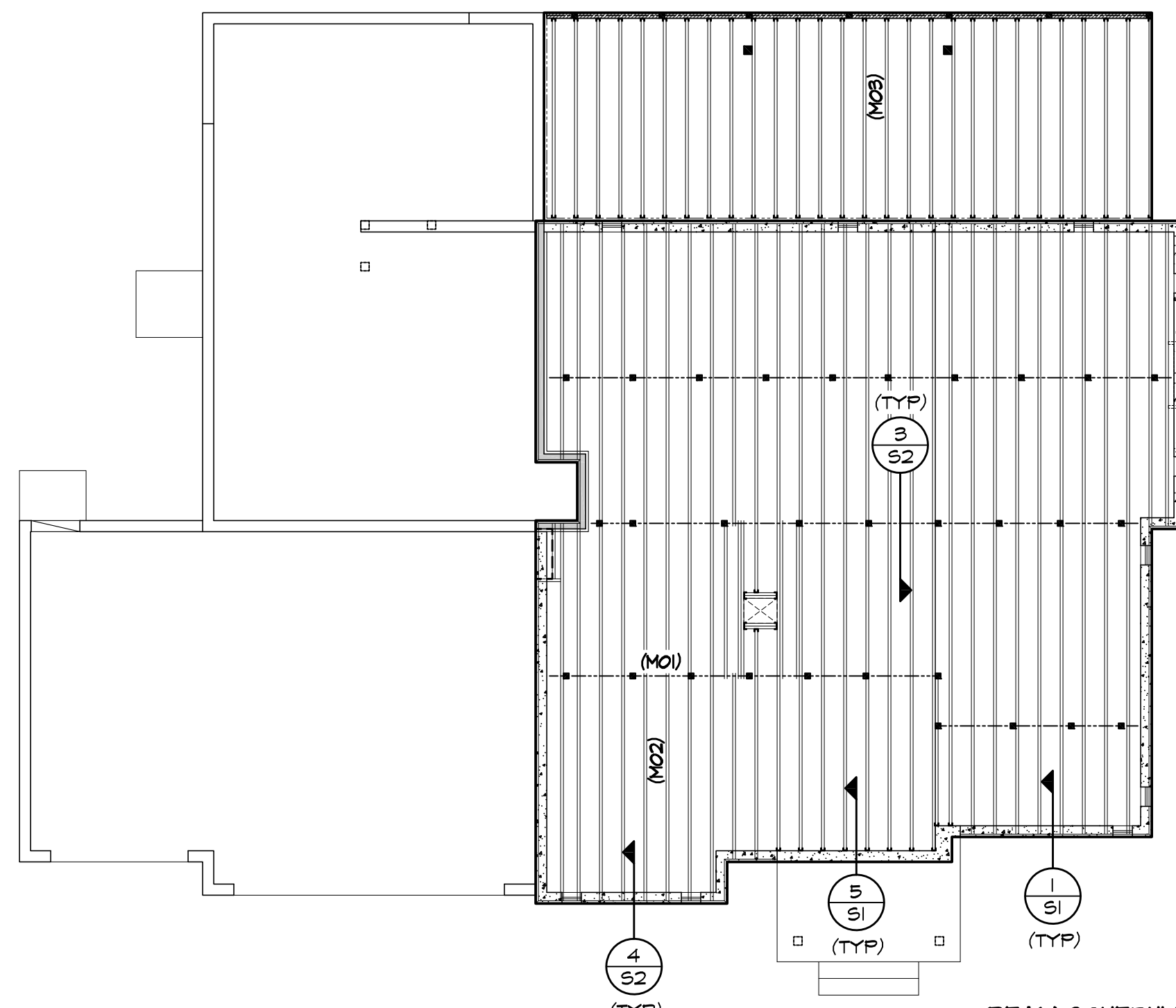
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P & A JOB #: **21-140**

SHEET NO.: **S-2**



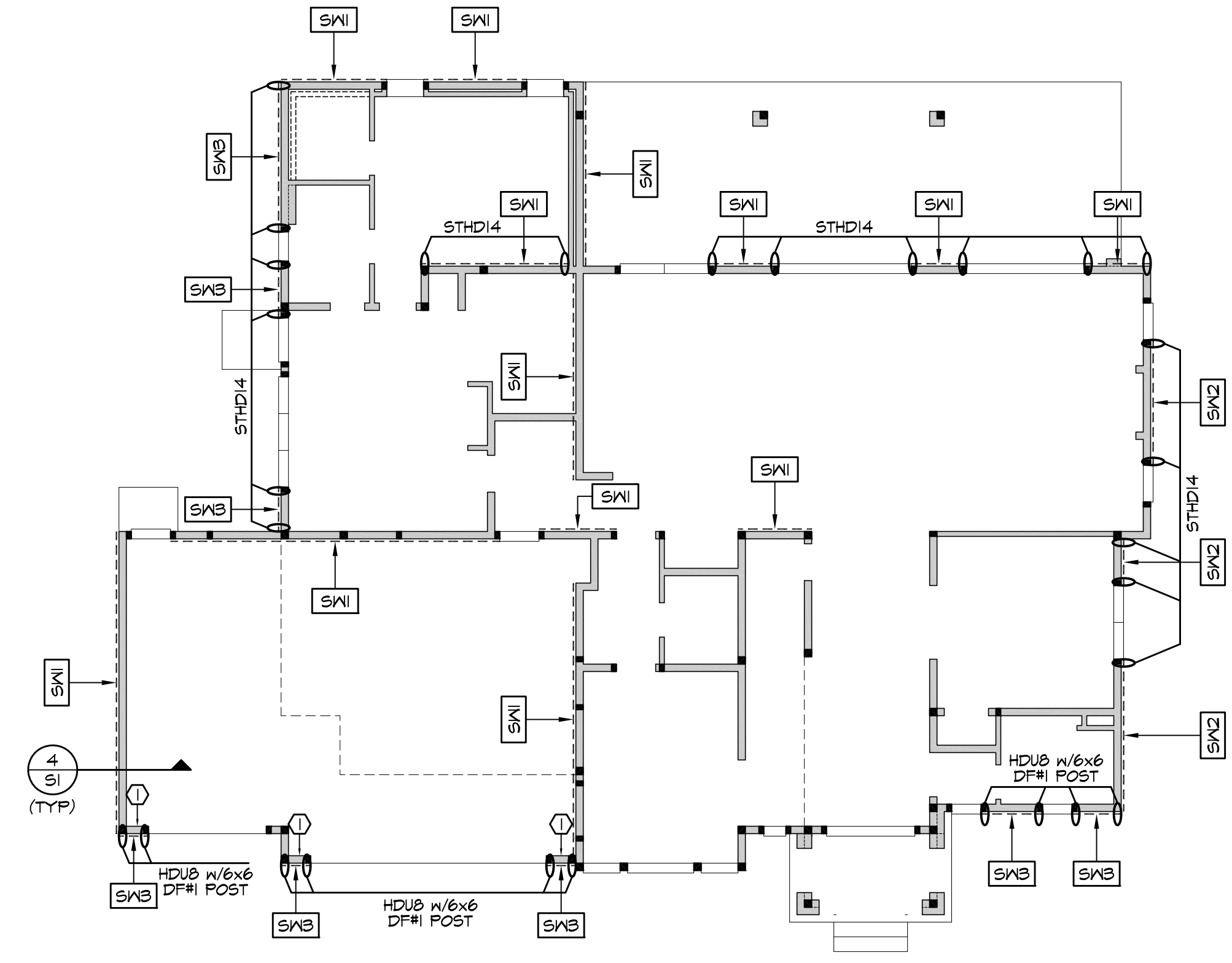
① FOUNDATION (HARDWARE)
SCALE: 1/8" = 1'-0"



② MAIN FLOOR FRAMING
SCALE: 1/8" = 1'-0"

BEAM SCHEDULE

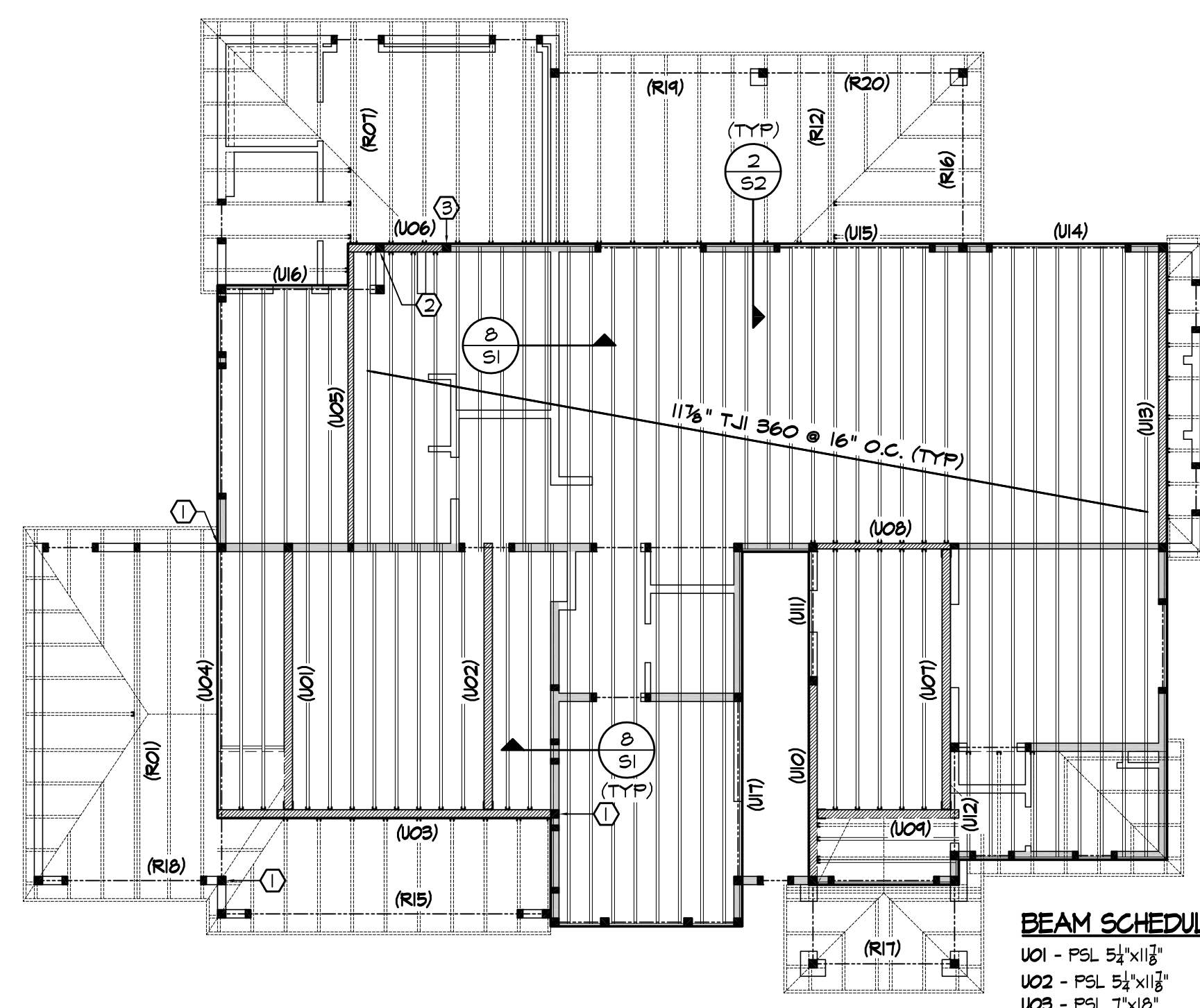
M01 - 4x10 DF#2
M02 - 2x10 HF#2 @ 16" O.C.
M03 - 2x12 HF#2 @ 16" O.C.



③ MAIN FLOOR SHEAR WALLS & HARDWARE
SCALE: 1/8" = 1'-0"

SHEET NOTES
① EXTEND HDR OVER SW NAIL SHTS TO HDR WID @ 4" O.C. EA. WAY

SEE SHEET S1 FOR DETAILS, NOTES & SCHEDULES FROM ENGINEER



④ UPPER FLOOR FRAMING
SCALE: 1/8" = 1'-0"

BEAM SCHEDULE

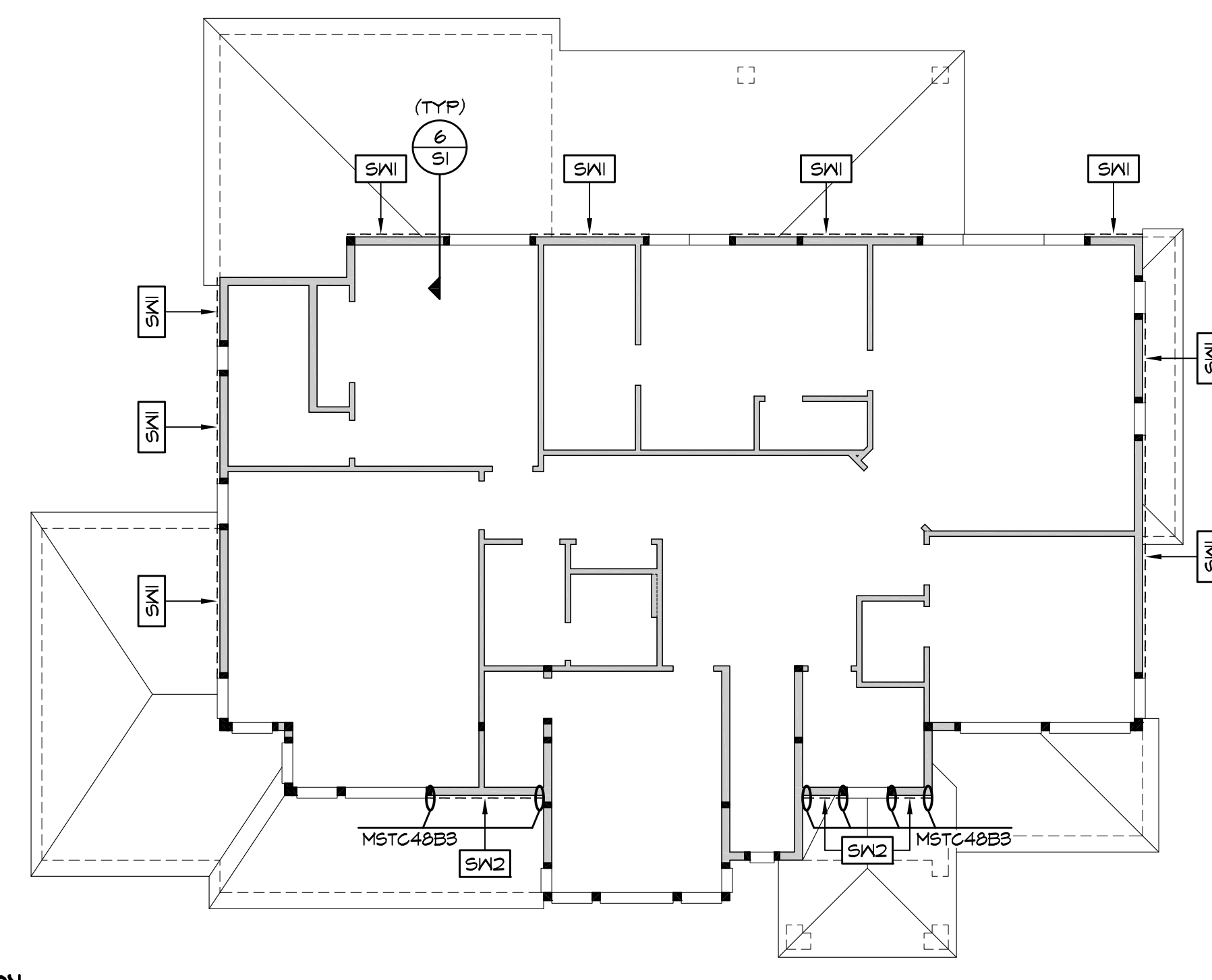
U01 - PSL 3 1/2"x11 1/2"
U02 - PSL 3 1/2"x11 1/2"
U03 - PSL 7"x18"
U04 - PSL 7"x18"
U05 - PSL 3 1/2"x11 1/2"
U06 - PSL 3 1/2"x11 1/2"
U07 - PSL 3 1/2"x11 1/2"
U08 - PSL 3 1/2"x11 1/2"
U09 - PSL 3 1/2"x11 1/2"
U10 - PSL 3 1/2"x11 1/2"
U11 - 4x10 DF#2
U12 - 4x10 DF#2
U13 - PSL 3 1/2"x11 1/2"
U14 - 4x10 DF#2
U15 - 6x6 DF#1 POST
U16 - PSL 3 1/2"x11 1/2"
U17 - PSL 3 1/2"x11 1/2"

CONNECTION SCHEDULE

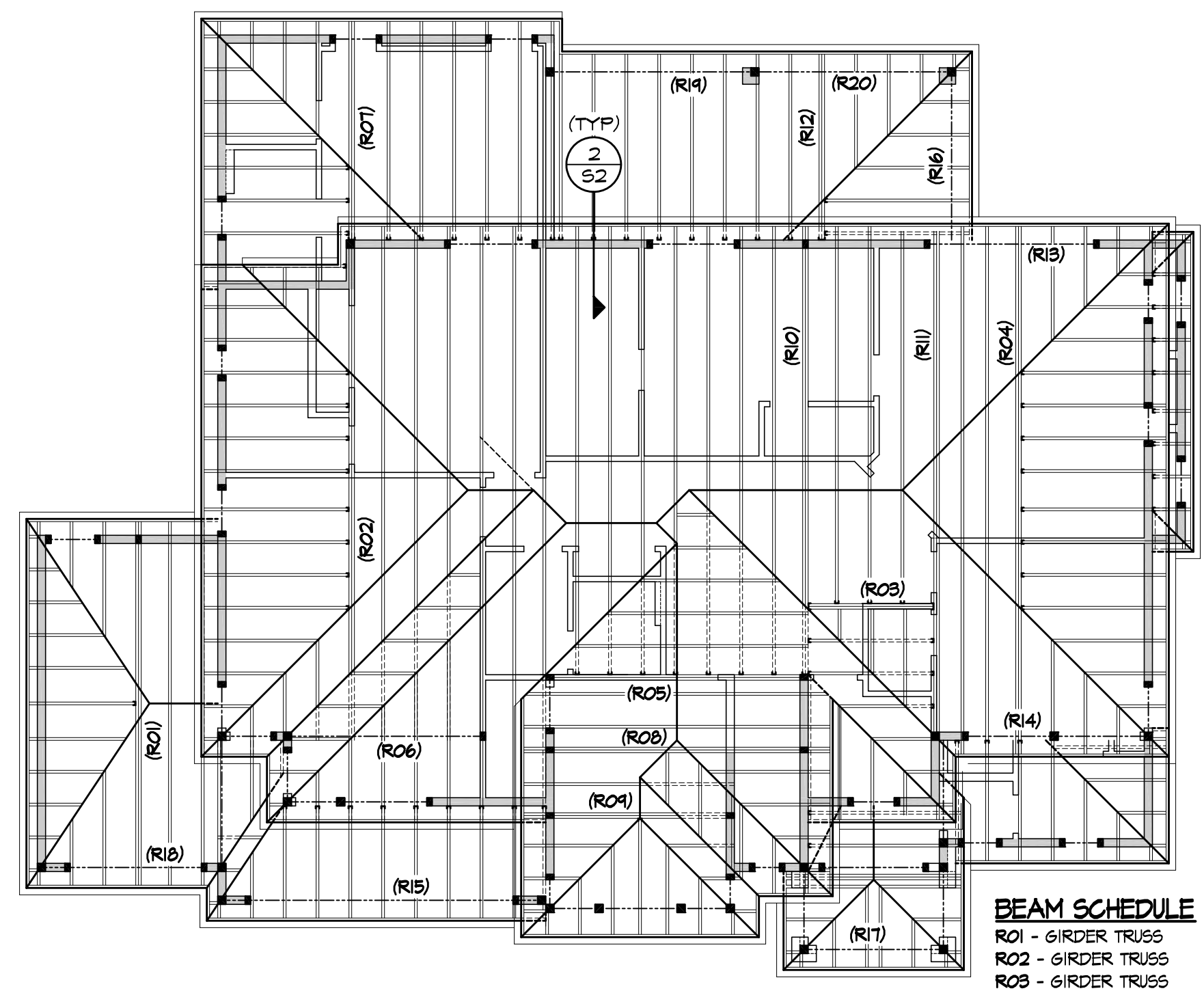
U01-U03 - HB550/11.88
U02-U03 - HB550/11.88
U05-U06 - HUC412
U07-U08 - HUC412
U09-U10 - HUC412

SHEET NOTES

- ① 6x6 DF#1 POST w/ ECCQ116 CAP
- ② 6x6 DF#1 POST w/ CC066 CAP
- ③ 6x6 DF#1 POST w/ ECC066 CAP



⑤ UPPER FLOOR SHEAR WALLS & HARDWARE
SCALE: 1/8" = 1'-0"



⑥ ROOF FRAMING
SCALE: 1/8" = 1'-0"

BEAM SCHEDULE

R01 - GIRDER TRUSS
R02 - GIRDER TRUSS
R03 - GIRDER TRUSS
R04 - GIRDER TRUSS
R05 - GIRDER TRUSS
R06 - GIRDER TRUSS
R07 - GIRDER TRUSS
R08 - GIRDER TRUSS
R09 - GIRDER TRUSS
R10 - GIRDER TRUSS
R11 - GIRDER TRUSS
R12 - GIRDER TRUSS
R13 - 6LB 3 1/2"x4"
R14 - 4x10 DF#2
R15 - 6x10 DF#2
R16 - 4x10 DF#2
R17 - 4x10 DF#2
R18 - 4x10 DF#2
R19 - 4x10 DF#2
R20 - 4x10 DF#2



EXPIRES 12-02-23

REGISTERED ARCHITECT
12/20/21

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PLAN M2595B3F-9

DESIGNED BY: TC DATE: 2013
DRAWN BY: JRA DATE: 8/11/14
PROJECT MANAGER: MARCUS JENKINS
REVISED BY: BPS DATE: 9/15/17
BPS DATE: 4/25/19
BPS DATE: 8/19/19
BPS DATE: 10/2/19
BPS DATE: 12/20/21

LATERAL BY: FITZER DATE: 12/7/21
LATERAL JOB NUMBER: 21-140

S3
S3

ANW JOB NUMBER: 210248