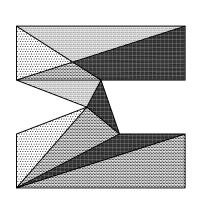


sidential design



KOLBE ADDITION 7001 82nd AVE SE MERCER ISLAND, WA

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY:MM REVISED: 4/26/22

SHEET NO.

A0.1

## LEGAL DESCRIPTION

THAT PORTION OF LOT 94 OF MERCER RIDGE, AS PER PLAT RECORDED IN VOLUME 61 OF PLATS, ON PAGE 44, RECORDS OF KING COUNTY, LYING EAST OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT A POINT ON THE SOUTH LINE OF SAID LOT 94, WHICH BEARS NORTH 88 DEGREES 41 MINUTES 04 SECONDS WEST 71.00 FEET DISTANT FROM THE SOUTHEAST CORNER OF SAID LOT 94; THENCE NORTH 06 DEGRESS 59 MINUTES 51 SECONDS WEST 130.19 FEET MORE OR LESS TO THE SOUTHERLY RIGHT—OF—WAY LINE OF SOUTHEAST 70TH STREET AND THE TERMINUS OF SAID LINE;

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

# BASIS OF BEARINGS

N 01°38'17" E BETWEEN SURVEY MONUMENTS FOUND ON THE CENTERLINE OF 82ND AVE. S.E., PER R2.

# REFERENCES

R1 MERCER RIDGE, RECORDED IN VOL. 61 OF PLATS, PG. 44-45.
R2 PARKWEST, RECORDED IN VOL. 80 OF PLATS, PG. 39.
R3 RECORD OF SURVEY IN BK. 33 OF SURVEYS, PG. 52.
ALL IN RECORDS OF KING COUNTY, WASHINTON.

# VERTICAL DATUM

NAVD(88) PER GPS OBSERVATIONS.

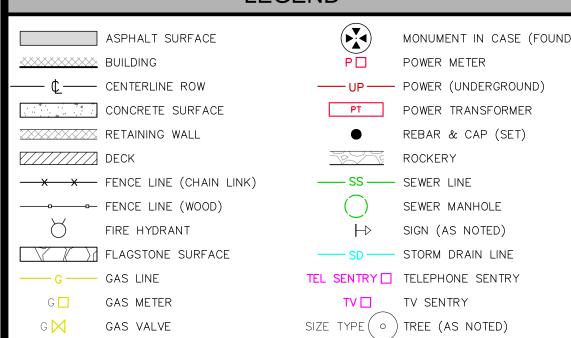
# SURVEYOR'S NOTES

- 1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN DECMBER OF 2020. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.
- 2. ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.
- 3. THE TYPES AND LOCATIONS OF ANY UTILITIES SHOWN ON THIS DRAWING ARE BASED ON INFORMATION PROVIDED TO US, BY OTHERS OR GENERAL INFORMATION READILY AVAILABLE IN THE PUBLIC DOMAIN INCLUDING, AS APPLICABLE, IDENTIFYING MARKINGS PLACED BY UTILITY LOCATE SERVICES AND OBSERVED BY TERRANE IN THE FIELD. AS SUCH, THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE RELIED ON FOR DESIGN OR CONSTRUCTION PURPOSES; TERRANE IS NOT RESPONSIBLE OR LIABLE FOR THE ACCURACY OR COMPLETENESS OF THIS UTILITY INFORMATION. FOR THE ACCURATE LOCATION AND TYPE OF UTILITIES NECESSARY FOR DESIGN AND CONSTRUCTION, PLEASE CONTACT THE SITE OWNER AND THE LOCAL UTILITY LOCATE SERVICE (800-424-5555).
- 4. SUBJECT PROPERTY TAX PARCEL NO. 545280-0472
  5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 12,688 ±S.F.

(0.29 ACRES)

- 6. THE PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN WFG NATIONAL TITLE COMPANY, COMMITMENT NO. 20-205280, WITH AN EFFECTIVE DATE OF MAY 27, 2020 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE PROPERTY OR OTHERWISE KNOWN TO ME HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE PROPERTY.
- 7. FIELD DATA FOR THIS SURVEY WAS OBTAINED BY DIRECT FIELD MEASUREMENTS WITH A CALIBRATED ELECTRONIC 5—SECOND TOTAL STATION AND/OR SURVEY GRADE GPS OBSERVATIONS. ALL ANGULAR AND LINEAR RELATIONSHIPS ARE ACCURATE AND MEET THE STANDARDS SET BY WAC 332—130—090.

# LEGEND



REBAR/IRON PIPE AS NOTED (FOUND) WV M WATER VALVE

GRAVEL SURFACE

MAILBOX (RESIDENTIAL)

INLET (TYPE 1)

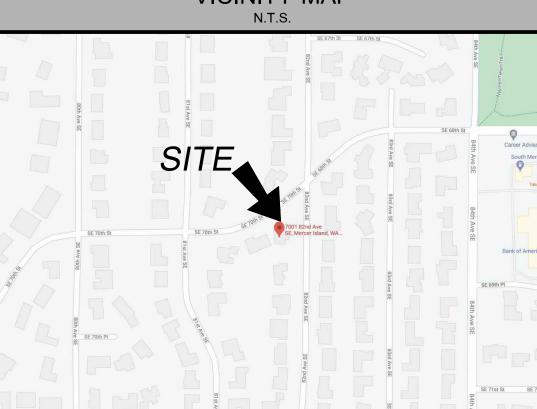
WM□ WATER METER

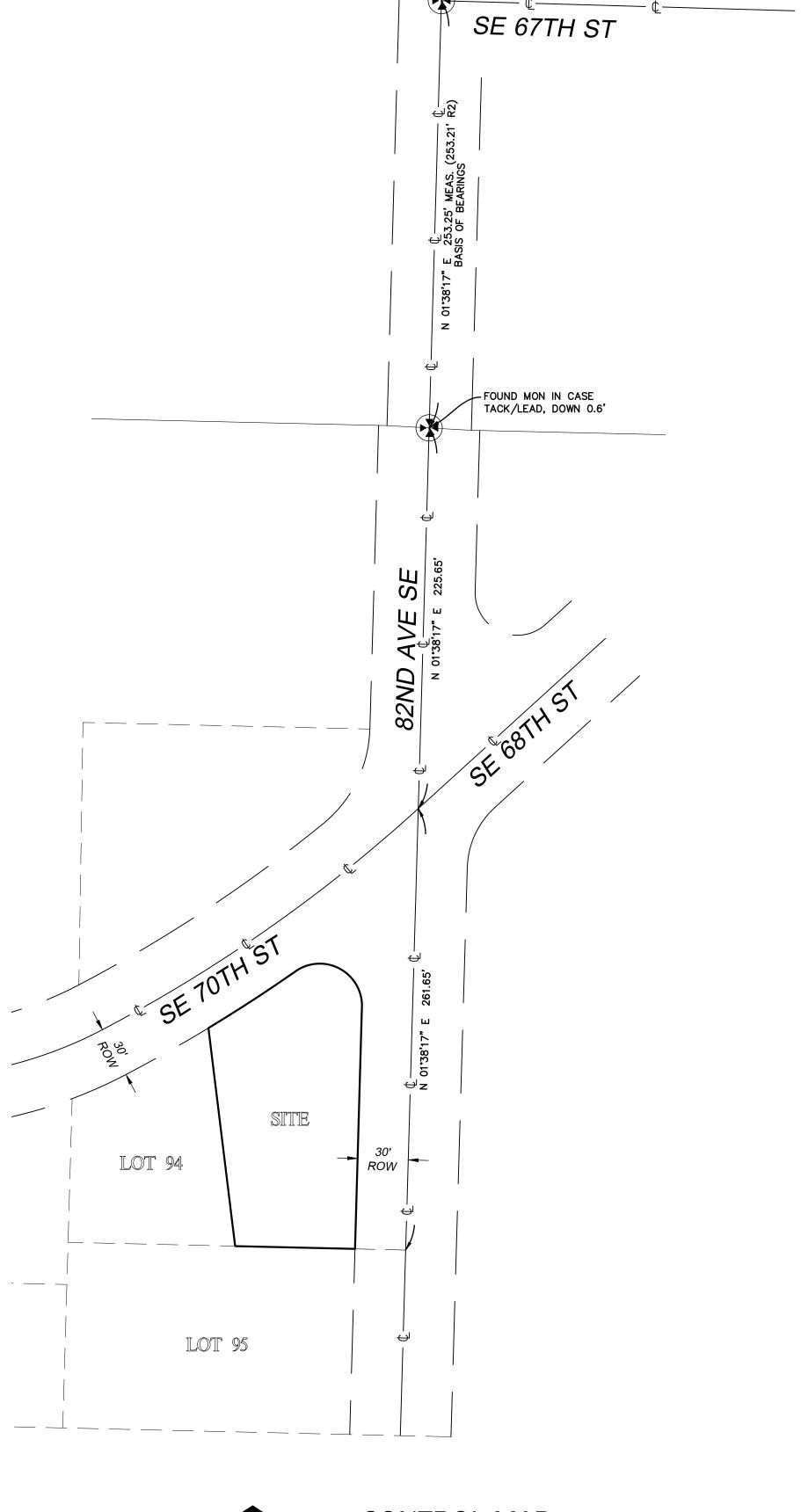
# TOPOGRAPHIC & BOUNDARY SURVEY

# SCHEDULE B ITEMS

- 12. COVENANTS, CONDITIONS, OR RESTRICTIONS, IF ANY, APPEARING IN THE PUBLIC RECORDS.
  (NO DOCUMENTS PROVIDED)
- 13. ANY EASEMENTS OR SERVITUDES APPEARING IN THE PUBLIC RECORDS.
  (NO DOCUMENTS PROVIDED)
- 14. ANY LEASE, GRANT, EXCEPTION, OR RESERVATION OF MINERALS OR MINERAL RIGHTS OR OTHER SUBSURFACE SUBSTANCES APPEARING IN THE PUBLIC RECORDS.
  (NO DOCUMENTS PROVIDED)
- 15. MATTERS SET FORTH BY SURVEY RECORDED ON JULY 29, 1982, IN 8207299028, OF OFFICIAL RECORDS. (CURRENT CONDITIONS SHOWN)

# VICINITY MAP





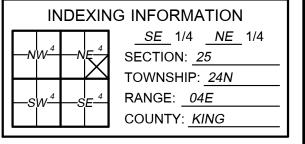
FOUND MON IN CASE

TACK/LEAD, DOWN 0.9'



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





measure succ

5452800472 SIDENCE

BOUNDAR

7001 82ND AVE MERCER ISLAND. W



102, Bellevue, WA 98004 488 support@terrane.net

301 Main Street, Suite 1

JOB NUMBER: 202277

DATE: 12/21/20

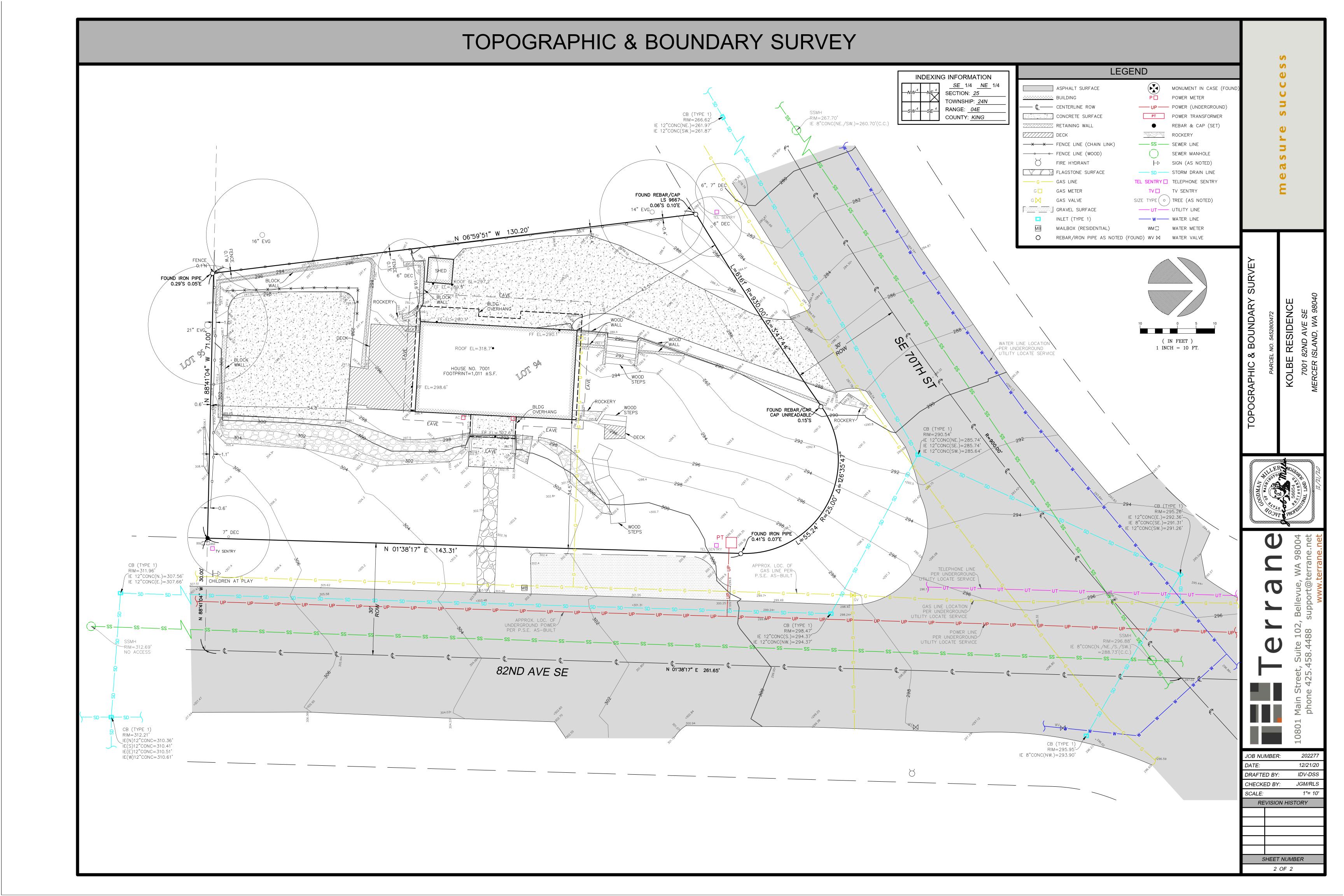
DRAFTED BY: IDV-DSS

CHECKED BY: JGM/RLS

SCALE: N.T.S.

REVISION HISTORY

SHEET NUMBER
1 OF 2



- I. THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS: A. CONDUCT PRE-CONSTRUCTION MEETING.
- B. FLAG OR FENCE CLEARING LIMITS. C. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR.
- D. INSTALL CATCH BASIN PROTECTION IF REQUIRED. E. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
- F. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.). G. CONSTRUCT SEDIMENT PONDS AND TRAPS.
- H. GRADE AND STABILIZE CONSTRUCTION ROADS I. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. J. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY/COUNTY STANDARDS
- AND MANUFACTURER'S RECOMMENDATIONS. K. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE
- WITH THE CITY/COUNTY TESC MINIMUM REQUIREMENTS. L. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT. M. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN I DAYS.
- N. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS. O. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

2. CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS CLEAN AND FREE OF CONTAMINANTS AT ALL TIMES AND FOR PREVENTING AN ILLICIT DISCHARGE (KMC 15.52) INTO THE MUNICIPAL STORM DRAIN SYSTEM. IF YOUR CONSTRUCTION PROJECT CAUSES AN ILLICIT DISCHARGE TO THE MUNICIPAL STORM DRAIN SYSTEM, THE CITY/COUNTY STORM MAINTENANCE DIVISION WILL BE CALLED TO CLEAN THE PUBLIC STORM SYSTEM, AND OTHER AFFECTED PUBLIC INFRASTRUCTURE. THE CONTRACTOR(S), PROPERTY OWNER, AND ANY OTHER RESPONSIBLE PARTY MAY BE CHARGED ALL COSTS ASSOCIATED WITH THE CLEAN-UP AND MAY ALSO BE ASSESSED MONETARY PENALTIES. THE MINIMUM PENALTY IS \$500. A FINE FOR A REPEAT VIOLATION SHALL BE A MULTIPLIED BY THE NUMBER OF VIOLATIONS. A FINE MAY BE REDUCED OR WAIVED FOR PERSONS WHO IMMEDIATELY SELF-REPORT VIOLATION TO THE CITY/COUNTY. A FINAL INSPECTION OF YOUR PROJECT WILL NOT BE GRANTED UNTIL ALL COSTS ASSOCIATED WITH THE CLEAN-UP, AND PENALTIES, ARE PAID TO THE CITY/COUNTY.

3. CONSTRUCTION DEWATERING DISCHARGES SHALL ALWAYS MEET WATER QUALITY GUIDELINES LISTED IN COK POLICY E-1. SPECIFICALLY, DISCHARGES TO THE PUBLIC STORMWATER DRAINAGE SYSTEM MUST BE BELOW 25 NTU, AND NOT CONSIDERED AN ILLICIT DISCHARGE, TEMPORARY DISCHARGES TO SANITARY SEWER REQUIRE PRIOR AUTHORIZATION AND PERMIT AND NOTIFICATION TO THE PUBLIC WORKS CONSTRUCTION

4. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY/COUNTY STANDARDS AND SPECIFICATIONS.

5. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

6. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES,

. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.

8. A COPY OF THE APPROVED ESC PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

9. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.

10. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY/COUNTY INSPECTOR.

II. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.

12. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT, AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC

13. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.

FACILITIES.

14. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

15. ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING

·MAY I TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN I DAYS OF GRADING. ·OCTOBER I TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING. ·STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.

16. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR

PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE). 17. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE

18. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 6' HIGH TEMPORARY CONSTRUCTION FENCE (CHAIN LINK WITH PIER BLOCKS) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL THE PLANNING DEPARTMENT AUTHORIZES REMOVAL.

19. CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT, HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE. IF APPROVED BY THE CITY, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS.

20. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.

21. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING: 2"-4" ROCK/30%-40% PASSING: AND 1"-2" ROCK/10%-20% PASSING. RECYCLED CONCRETE SHALL NOT BE USED FOR EROSION PROTECTION, INCLUDING CONSTRUCTION ENTRANCE OR TEMPORARY STABILIZATION ELSEWHERE ON THE SITE.

22. IF ANY PART(5) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED

23. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.

24. AT NO TIME SHALL MORE THAN I' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED IMMEDIATELY FOLLOWING REMOVAL OF EROSION CONTROL BMPS. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.

25. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.

26. ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM HEIGHT OF 3'.

27. THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF KIRKLAND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS

28. PRIOR TO THE OCTOBER I OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

28. PRIOR TO THE OCTOBER I OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

29. ANY AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT (INCLUDING A 5-FOOT BUFFER) MUST BE SURROUNDED BY SILT FENCE PRIOR TO CONSTRUCTION AND UNTIL FINAL STABILIZATION OF THE SITE TO PREVENT SOIL COMPACTION AND SILTATION BY CONSTRUCTION ACTIVITIES.

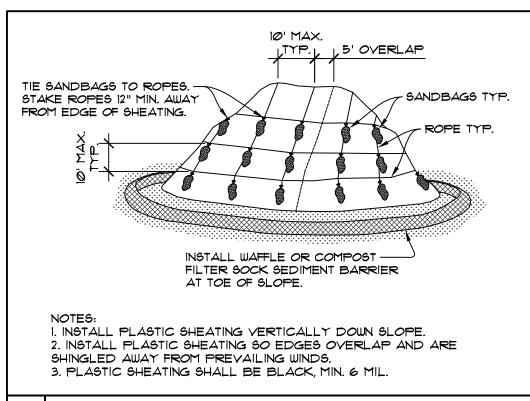
30. IF THE TEMPORARY CONSTRUCTION ENTRANCE OR ANY OTHER AREA WITH HEAVY VEHICLE LOADING IS LOCATED IN THE SAME AREA TO BE USED FOR INFILTRATION OR PERVIOUS PAVEMENT, 6" OF SEDIMENT BELOW THE GRAVEL SHALL BE REMOVED PRIOR TO INSTALLATION OF THE INFILTRATION FACILITY OR PERVIOUS PAVEMENT (TO REMOVE FINES ACCUMULATED DURING CONSTRUCTION).

31, ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE ADEQUATE PROTECTION FROM SEDIMENT. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "STORM DRAIN PROTECTION INSERT" OR EQUIVALENT.

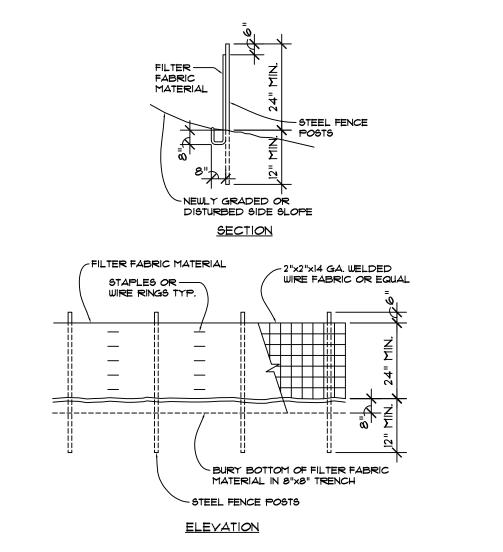
32. IF A SEDIMENT POND IS NOT PROPOSED, A BAKER TANK OR OTHER TEMPORARY GROUND AND/OR SURFACE WATER STORAGE TANK MAY BE REQUIRED DURING CONSTRUCTION, DEPENDING ON WEATHER CONDITIONS.

33. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.

34. RECYCLED CONCRETE SHALL NOT BE STOCKPILED ON SITE, UNLESS FULLY COVERED WITH NO POTENTIAL FOR RELEASE OF RUNOFF.



TEMPORARY STOCK PILE DETAIL N.T.S.



SILT FENCE DETAIL

SIGNIFICANT EXIST. TREE CONT. CHAINLINK FENCING POST AT MAX. 10' O.C. -INSTALL AT LOCATION AS SHOWN ON PLANS FENCING SIGN PER DETAIL BELOW CRITICAL ROOT ZONE FENCING SIGN DETAIL TREE PROTECTION AREA. ENTRANCE PROHIBITED.
TO REPORT VIOLATIONS CITY CODE ENFORCEMENT . MINIMUM SIX (6) FOOT HIGH TEMPORARY CHAIN LINK FENCE SHALL BE

PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE OF THE TREE TO BE SAVED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S), INSTALL FENCE POSTS USING PIER BLOCK ONLY. AVOID POST OR STAKES INTO MAJOR ROOTS, MODIFICATIONS TO FENCING MATERIAL AND LOCATION MUST BE APPROVED BY PLANNING OFFICIAL.

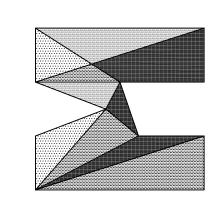
?. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOIL AS SOON AS POSSIBLE.

3. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMIT OF THE FENCING. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING OFFICIAL, WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST AND WITH PRIOR APPROVAL BY THE CITY PLANNING OFFICIAL.

4. FENCING SIGNAGE AS DETAILED ABOVE MUST BE POSTED EVERY FIFTEEN (15) FEET ALONG THE FENCE. SIGN TO BE MINIMUM 11"X17", AND MADE OF WEATHERPROOF MATERIAL.

TREE PROTECTION DETAIL

Hand Hand tth



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JOB NO: 21-001 DATE: 8/30/21 DRWN. BY:MM REVISED: 3/24/22

SHEET NO.

SITE PLAN NOTES & DETAILS

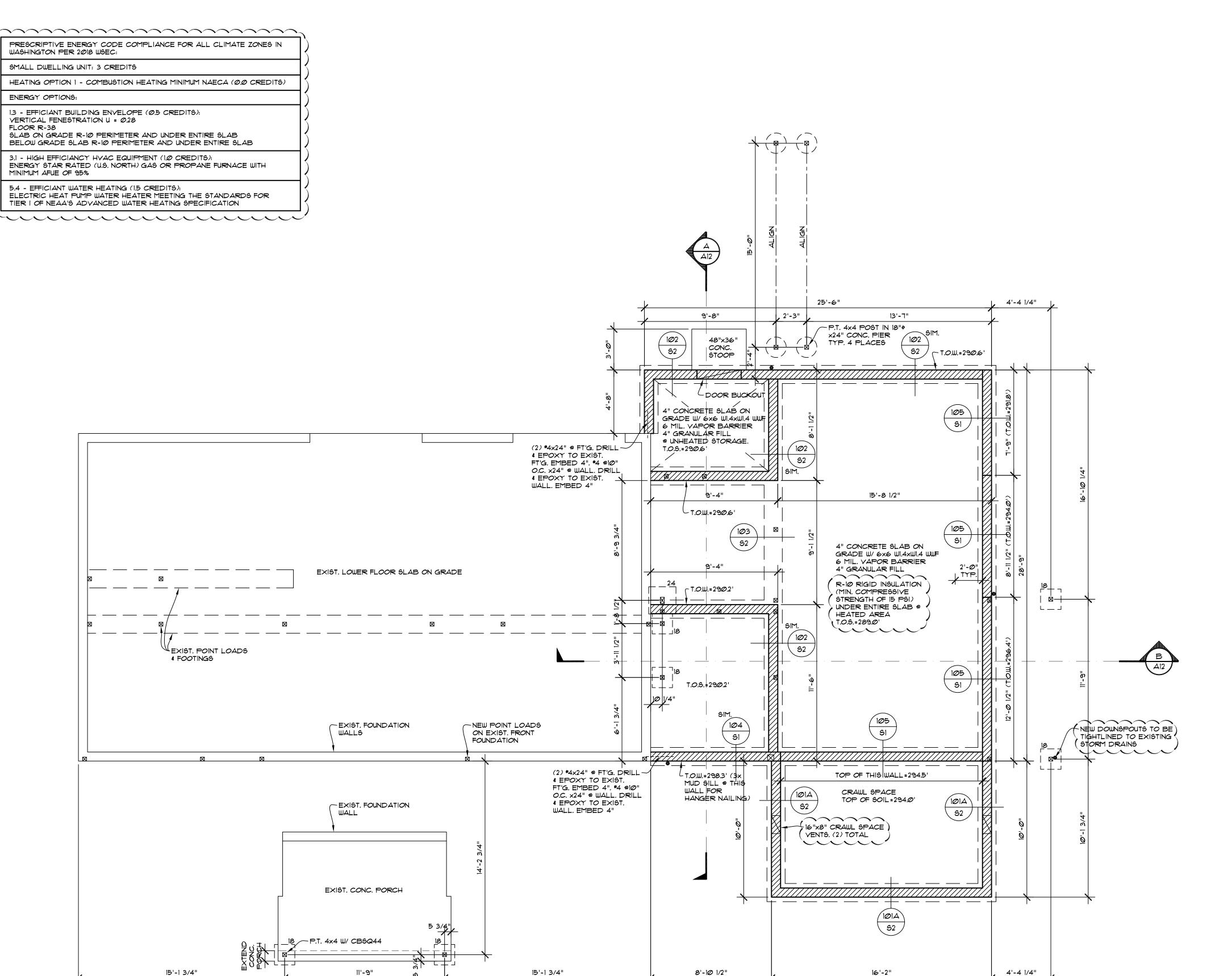
SCALE: N.T.S.

APPLIED AT A MINIMUM THICKNESS OF 2".

ADDITION 2nd AVE SE 8 ISLAND, WA KOLBE 7001 82 MERCER

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY: MM REVISED: 3/24/22

SHEET NO.



NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IF DIMENSIONS OR EXISTING CONDITIONS ARE DIFFERENT THAN INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH CORRECTIONS IF REQUIRED.



FOUNDATION PLAN

SCALE: 1/4" = 1' - Ø"

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CRAWL SPACE: 18" MINIMUM CLEARANCE UNDER JOISTS 12" MINIMUM CLEARANCE UNDER GIRDERS 6 MIL VAPOR BARRIER (BLACK) THRU/OUT. LAP SEAMS MIN. 12" (WSEC 502.1.6.7. NOTE: ALL POSTS MUST BE PLACED \$ OR WITHIN 10% OF PIER SIZE.

CRAWL VENTILATION CALCULATION

CRAWL SPACE UNDER FLOOR AREA TO REQUIRE VENTING = 139 S.F. PROVIDE I.Ø CFM PER 50 S.F. OF MECHANICAL VENTILATION PROVIDE MINIMUM 3 CFM CONTINUOUS MECHANICAL VENTING

GENERAL NOTES:

ALL FLOOR JOISTS PER PLAN. REFER TO MFG. LAYOUT FOR ALL FRAMING DETAILS AND BLOCKING. REVIEW MFG. LAYOUT PRIOR TO FRAMING. DOUBLE UNDER BEARING PARTITIONS. PROVIDE SOLID BLOCKING OVER BEARING

. ALL PRE-MANUFACTURED TRUSSES TO BE IDENTIFIED BY MFG'S STAMP.

3. FACTORY BUILT FIREPLACE & CHIMNEY TO BE UL LABELED INSTALL PER MANUFACTURERS SPECS O/SIDE COMBUSTION AIR REQ'D (MIN 6 SQ IN) DUCTED TO F/BOX W/ OPERABLE O/SIDE DAMPER, TIGHTLY FITTING FLUE DAMPER, AND TIGHT FITTING GLASS OR METAL DOORS OR FLUE DRAFT INDUCTION FAN.

4. LIMIT SHOWER FLOW TO 2.5 GALLONMIN.

5. H.W.T. TO BE LABELED PER ASHRAE STD. NO. 90A-80, AND MEET THE REQUIREMENTS. PER 1981 NATIONAL APPLIANCE ENERGY CONSERVATION

6. FURNACE AND H.W. TANK, PILOTS, BURNERS, HEATING ELEMENTS, AND SWITCHES TO BE A MIN. OF 18" ABOVE FINISHED FLOOR.

. ALL SKYLITES TO COMPLY WITH I.R.C. SECTION 2409.1 \$ 2603.7

3. ALL SIDELITES, SLIDING GLASS DOORS AND TUB/SHOWER ENCLOSURES TO COMPLY WITH I.B.C. SECTION 2406.

A. HEAT REGISTERS TO BE PER LEGEND, LOCATE APPROXIMATELY AS SHOWN, 6" IN FROM EXTERIOR WALLS, 3" IN FROM INTERIOR WALLS.

10. VENT DRYER, OVEN/RANGE & EXHAUST FANS TO O/SIDE. DRYER EXHAUST DUCTS SHALL NOT EXCEED A TOTAL COMB HORIZ, AND VERT, LENGTH OF 14'-0", INCL. 2 90d. ELBOWS. DEDUCT 2'-0" FOR EA. 90d. ELBOW EXCEEDING 2. SEE DRYER DUCT DTL. FOR ALT. SOLUTIONS. ALL EXHAUST DUCTS INSULATED (MIN. OF R-4)

. ALL NAILING PER IRC TABLE R602.3(1) AND/OR IBC TABLE 2304.9.1, COLUMN, POST & BEAM CONNECTIONS TO COMPLY WITH I.B.C. SECTION 2316.

3. SOLID SHT'G REQ'D ON LOWER STORY OF 2 STORY BUILDING PER I.B.C. DRYWALL NAILED PER SHEAR NAILING SCHEDULES OR IBC 2018 EDITION. 4. TUB/SHOWER SURROUND WALLS TO HAVE WATER RESISTANT GYP BOARD AND A SMOOTH HARD SURFACE TO A MINIMUM HEIGHT OF 70" ABOVE DRAIN

15. PROVIDE SMOKE DETECTOR IN COMPLIANCE WITH I.B.C. AND I.B.C. STD. #43.6. ALL SMOKE DETECTORS W/BAT BACKUP. SMOKE DETECTORS WILL SOUND AN AUDIBLE ALARM IN ALL SLEEPING ROOMS.

16. DWELLING TO COMPLY W/ 2018 IECC.

I. SEAL, CAULK, GASKET, OR WEATHERSTRIP TO LIMIT AIR LEAKAGE: AT EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, OPENINGS BETWEEN WALL AND ROOF AND WALL PANELS, OPENINGS AT UTILITY PENETRATIONS THROUGH WALLS, FLOORS, AND ROOFS, ALL OTHER OPENINGS IN BUILDING ENYELOPE.

18. ALL EXTERIOR DOORS OR ACCESS HATCHES TO ENCLOSED UNHEATED AREAS MUST BE WEATHERSTRIPPED.

19. MINIMUM SOIL BEARING PRESSURE = 2000 PSF.

20. FOOTINGS TO BE PLACED ON FIRM, UNDISTURBED NATIVE SOIL.

21. DWELLING TO COMPLY WITH INTERNATIONAL BUILDING CODE (1.B.C.) 2018

22. FIRE STOPS SHALL BE PROVIDED TO CUT OFF ALL CONCL'D DRAFT OPENINGS FROM VERT. TO HORIZ. SPACES, INCLUDING THE STAIR, TUB, SHOWER, FIREPLACE, ETC.

ALL WINDOWS TO HAVE INDIVIDUAL OUTDOOR AIR INLET PORTS PER IMC 401.2 \$ 402.1

THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE. THE RESULTS OF THE TEST SHALL BE BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL (R402.4.12).

AT LEAST ONE THERMOSTAT PER DWELLING UNIT SHALL BE CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILY SCHEDULE.

DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED. A MINIMUM OF 15% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.

R317.1.3 GEOGRAPHICAL AREAS. APPROVED NATURALLY DURABLE OR PRESSURE-PRESERVATIVE-TREATED WOOD SHALL BE USED FOR THOSE PORTIONS OF WOOD MEMBERS THAT FORM THE STRUCTURAL SUPPORTS OF BUILDINGS, BALCONIES, PORCHES OR SIMILAR PERMANENT BUILDING APPURTENANCES WHEN THOSE MEMBERS ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE PROTECTION FROM A ROOF, EAVE, OVERHANG OR OTHER COVERING THAT WOULD PREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN MEMBERS. DEPENDING ON LOCAL EXPERIENCE, SUCH MEMBERS MAY INCLUDE:

- 1. HORIZONTAL MEMBERS SUCH AS GIRDERS, JOISTS AND DECKING.
- 2. YERTICAL MEMBERS SUCH AS POSTS, POLES AND COLUMNS.
- 3. BOTH HORIZONTAL AND VERTICAL MEMBERS.

R303.7 STAIRWAY ILLUMINATION. ALL INTERIOR AND EXTERIOR STAIRWAYS SHALL BE PROVIDED WITH A MEANS TO ILLUMINATE THE STAIRS, INCLUDING THE LANDINGS AND TREADS. INTERIOR STAIRWAYS SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE LOCATED IN THE IMMEDIATE VICINITY OF EACH LANDING OF THE STAIRWAY. FOR INTERIOR STAIRS THE ARTIFICIAL LIGHT SOURCES SHALL BE CAPABLE OF ILLUMINATING TREADS AND LANDINGS TO LEVELS NOT LESS THAN I FOOT-CANDLE (II LUX) MEASURED AT THE CENTER OF TREADS AND LANDINGS. EXTERIOR STAIRWAYS SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE LOCATED IN THE IMMEDIATE VICINITY OF THE TOP LANDING OF THE STAIRWAY. EXTERIOR STAIRWAYS PROVIDING ACCESS TO A BASEMENT FROM THE OUTSIDE GRADE LEVEL SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE LOCATED IN THE IMMEDIATE VICINITY OF THE BOTTOM LANDING OF THE STAIRWAY.

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY:MM REVISED: 3/24/22

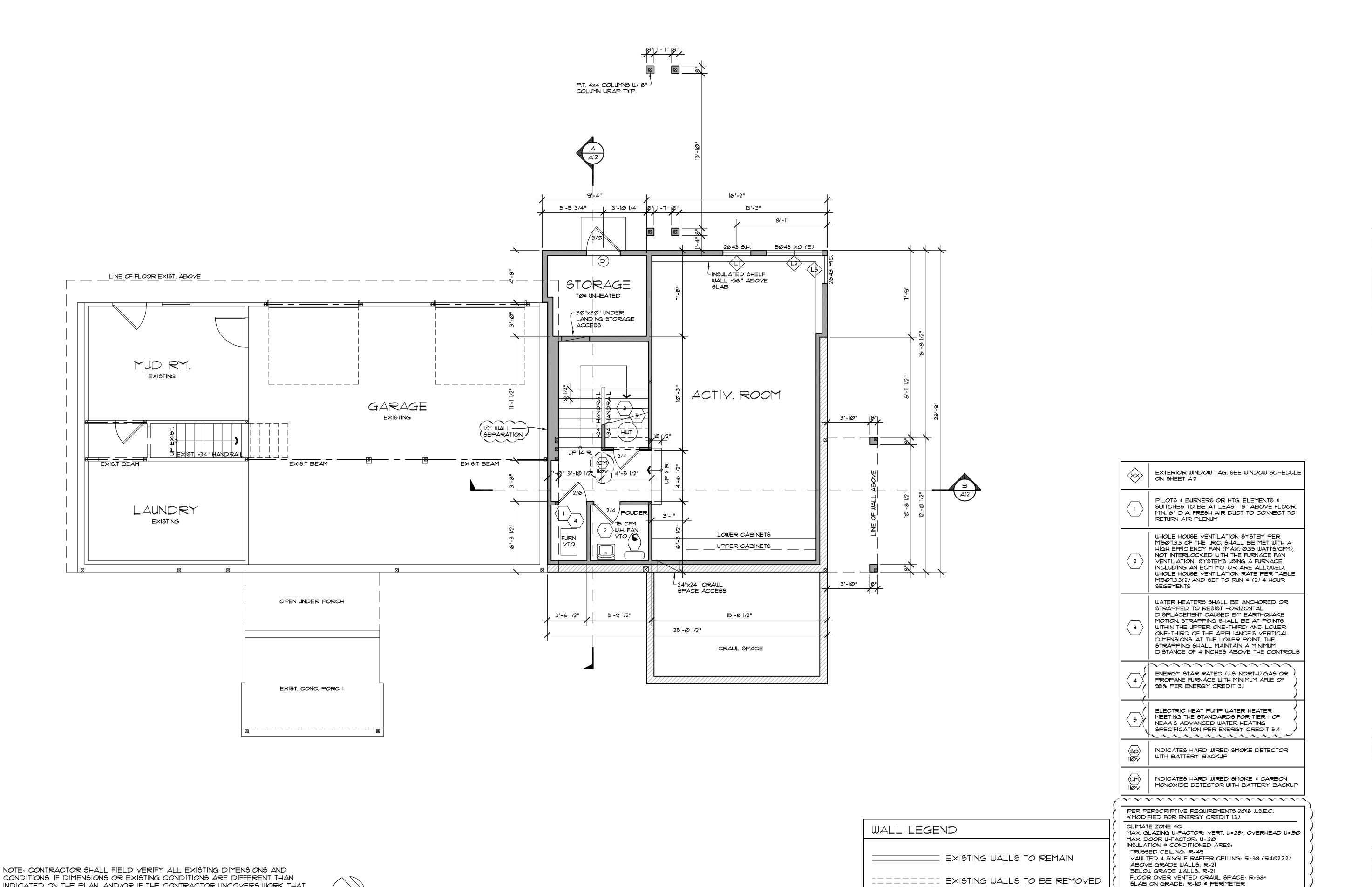
SHEET NO.

& UNDER ENTIRE SLAB+

NEW WALLS

PERCENT GLAZING  $\underline{253.4}$  (S.F. GLAZING AREA) = 17.6% CALCULATIONS: 1,443 (S.F. FLOOR AREA)

The same of the sa



CORRECTIONS IF REQUIRED.

INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT

IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR

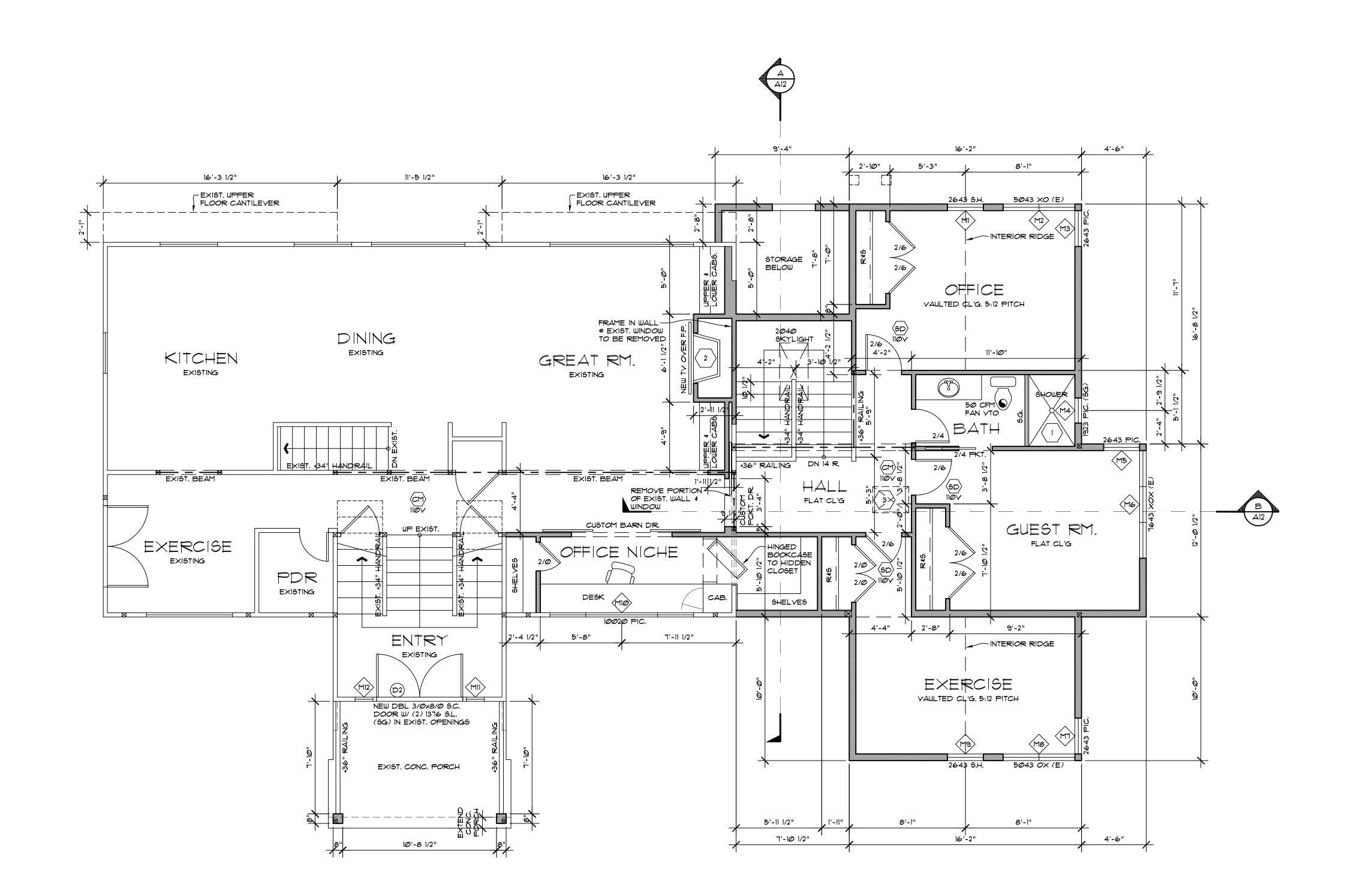
OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH

LOWER FLOOR PLAN

SCALE: 1/4" = 1' - Ø"

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY:MM REVISED: 3/24/22

SHEET NO.



ACCOMMODATE BASED ON THE ROOF PIT		SPACE CA
SQUARE FOOTAGE	SUMM,	ARY
EXISTING LOWER LEVEL EXISTING MAIN LEVEL EXISTING UPPER FLOOR	343 1,22 <i>0</i> 1,177	S.F. S.F. S.F.
EXISTING HEATED TOTAL EXISTING GARAGE	2,740 611	S.F. S.F.
NEW LOWER LEVEL NEW MAIN LEVEL NEW UPPER FLOOR	597 846 Ø	S.F. S.F. S.F.

NEW HEATED TOTAL

EXISTING HEATED

NEW HEATED

HEATED TOTAL

NEW UNHEATED STORAGE

EXTERIOR WINDOW TAG. SEE WINDOW SCHEDULE

CONC. FIBERBOARD @ TUB & SHOWER SURROUND TO 6' ABOVE DRAIN

DIRECT VENT FIREPLACE. INSTALL PER MANUFACTURERS SPECIFICATIONS

22"x30" ATTIC ACCESS. WEATHERSTRIP \$

INSULATE OVER TO EQUAL CEILING INSULATION.
PROVIDE WOOD SURROUND TO PREVENT
LOOSE INSULATION SPILLAGE TO LIVING SPACE.

INDICATES HARD WIRED SMOKE DETECTOR

INDICATES HARD WIRED SMOKE & CARBON MONOXIDE DETECTOR WITH BATTERY BACKUP

1,443

2,740

1,443

4,183

70

S.F.

S.F.

WITH BATTERY BACKUP

PER 2018 WASHINGTON STATE ENERGY CODE - ALTERATIONS

EXISTING EXPOSED WALL CAVITIES MUST BE INSULATED W/: 2x4 STUD WALLS - R-15 INSULATION. 2x6 STUD WALLS - R-21 INSULATION.

EXISTING EXPOSED ROOF/CEILING FRAMING MUST BE INSULATED W/: VAULTED CEILINGS - INSULATED TO THE FULL DEPTH OF THE FRAMING MEMBER WHILE ALLOWING FOR THE MINIMUM I" VENTILATED SPACE.

FLAT CEILINGS - R-49 INSULATION OR WHAT THE ATTIC SPACE CAN

ON SHEET A12

EXISTING WALLS TO REMAIN

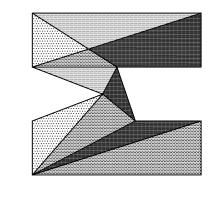
IIIII EXISTING WALLS TO BE REMOVED

NEW WALLS

WALL LEGEND

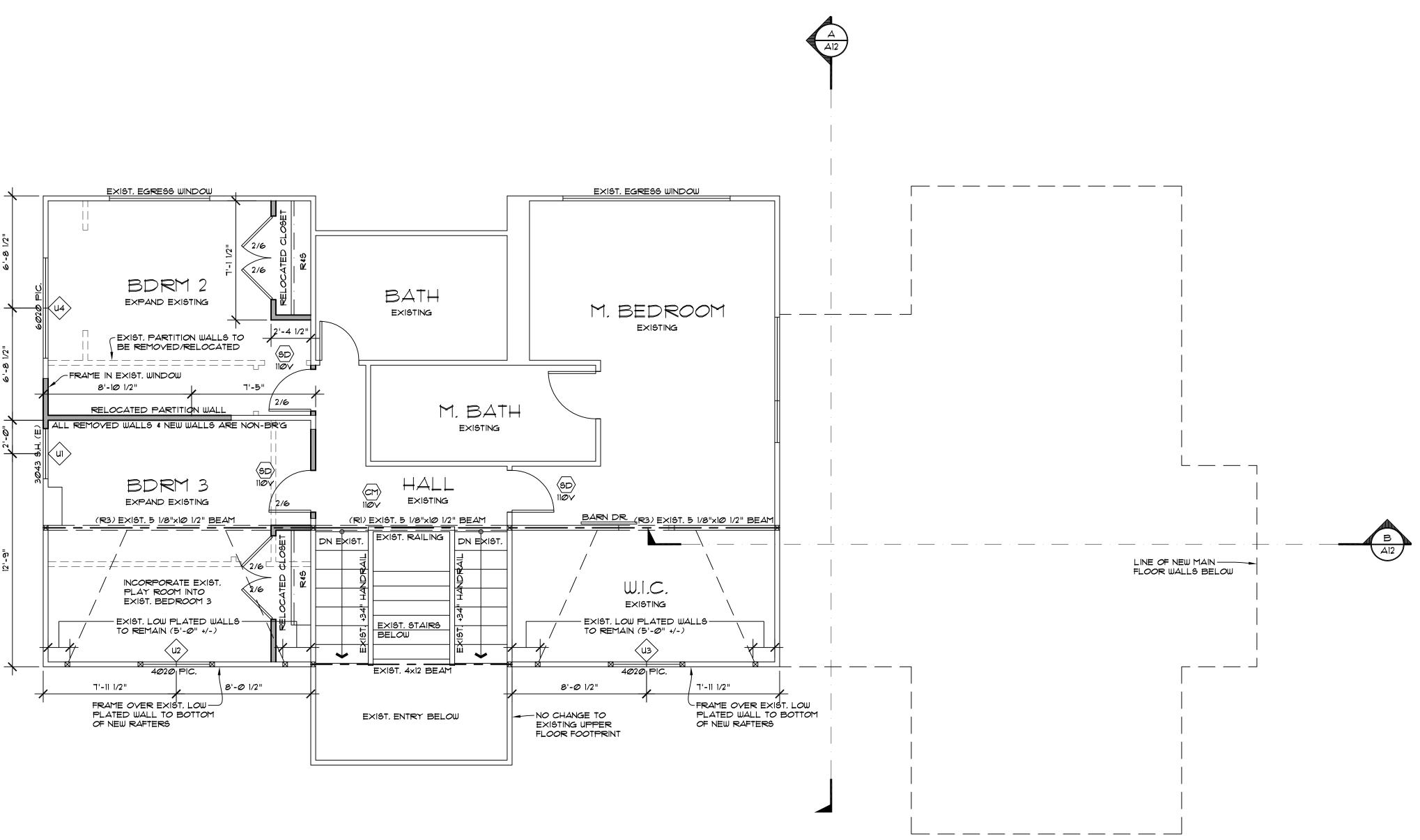
MAIN FLOOR PLAN SCALE: 1/4" = 1' - Ø"

NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IF DIMENSIONS OR EXISTING CONDITIONS ARE DIFFERENT THAN INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH CORRECTIONS IF REQUIRED.



JOB NO: 21-001 DATE: 8/30/21 DRWN. BY: MM REVISED: 3/24/22

SHEET NO.



EXTERIOR WINDOW TAG. SEE WINDOW SCHEDULE ON SHEET A12 INDICATES HARD WIRED SMOKE DETECTOR WITH BATTERY BACKUP (VERIFY EXISTING) INDICATES HARD WIRED SMOKE & CARBON

MONOXIDE DETECTOR WITH BATTERY BACKUP (VERIFY EXISTING)

WALL LEGEND

NEW WALLS

UPPER FLOOR PLAN

IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH CORRECTIONS IF REQUIRED.

INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT

NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND

CONDITIONS. IF DIMENSIONS OR EXISTING CONDITIONS ARE DIFFERENT THAN

NORTH

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

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EXISTING WALLS TO BE REMOVED

THIS SECTION ESTABLISHES MINIMUM PRESCRIPTIVE DESIGN REQUIREMENTS FOR WHOLE HOUSE VENTILATION SYSTEMS. EACH DWELLING UNIT OR GUEST ROOM SHALL BE EQUIPPED WITH A VENTILATION SYSTEM COMPLYING WITH OPTION I, II, III OR IV. COMPLIANCE IS ALSO PERMITTED TO BE DEMONSTRATED THROUGH COMPLIANCE WITH THE INTERNATIONAL MECHANICAL CODE.

] OPTION I: WHOLE-HOUSE VENTILATION USING EXHAUST FANS. (IRC MI507.3.4) OPTION II: WHOLE-HOUSE VENTILATION INTEGRATED WITH A FORCED-AIR SYSTEM. (IRC MI5Ø1.3.5) MOPTION III: WHOLE-HOUSE VENTILATION USING A SUPPLY FAN. (IRC

OPTION IV: WHOLE-HOUSE VENTILATION USING A HEAT RECOVERY VENTILATION SYSTEM. (IRC MI507.3.7)

ALL WINDOWS & DOORS ARE EXISTING U.N.O.

NO CHANGE TO EXISTING PLUMBING FIXTURES.

E = WINDOW MUST MEET EGRESS REQUIREMENTS.

KITCHEN EXHAUST FANS TO BE 100 CFM UN.O.

BE INSULATED TO R-4 IN UNCONDITIONED SPACE BE EQUIPPED WITH A BACKDRAFT DAMPER

TERMINATE OUTSIDE THE BUILDING PER SRC MISOI.

EXHAUST VENT CLEARANCES:

FROM MECHANICAL AIR INTAKES.

TO THE FRESH AIR RETURN PLENUM.

-HAZARDOUS OR UNSANITARY LOCATIONS.

.35-.5 AIR CHANGES PER HOUR IS ALSO REQUIRED.

-ATTIC, CRAWL SPACE, OR GARAGE.

WHOLE HOUSE VENTILATION:

EXHAUST DUCTS SHALL:

COMPLY WITH BELOW:

ALL WALLS TO BE REMOVED ARE NON-BEARING (PARTITION WALLS).

ALL SMOKE & CARBON MOMOXIDE DETECTORS SHOWN AT EXISTING AREAS ARE EXISTING. VERIFY LOCATION & ADD IF NOT AS LOCATED ON PLAN.

PER SRC MIDØLI EXHAUST FAN VENTS SHALL TERMINATE OUTDOORS AND NOT lacktriangleright In attice, soffits, ridge vents, or crawl spaces. Kitchen, bathrooms, AND LAUNDRY EXHAUST TERMINATIONS TO EXIT THE STRUCTURE WITH

CLEARANCES MEETING SRC MI506.3, NOT LESS THAN 3 FEET FROM PROPERTY LINES, 3 FEET FROM OPERABLE OPENINGS IN THE BUILDING AND 10 FEET

SOURCE SPECIFIC VENTILATION REQUIREMENTS: BATHROOMS, LAUNDRY ROOMS AND POWDER ROOM FANS TO BE 50 CFM.

EXHAUST FANS SHALL BE FLOW RATED AT .25 W.G. STATIC PRESSURE

FAN CFM MAX. FLEX DIA. MAX. FT. MAX. 9MOOTH DIA. MAX. FT.

0/ER 100'

0VER 100'

0VER 100'

0/ER 100'

0/ER 100'

OVER 100'

WHOLE HOUSE VENTILATION REQUIREMENTS:

-A ROOM OR SPACE HAVING FUEL BURNING APPLIANCES THERIN.

DUCT VENT OUTLET IS AT LEAST 3' ABOVE THE FRESH AIR INLET.

A 6" DIAMETER FRESH AIR INLET SHALL BE DUCTED FROM THE EXTERIOR

THE FRESH AIR DUCT SHALL BE PROTECTED FROM THE ENTRY OF INSECTS,

LEAVES, OR OTHER DEBRIS AND LOCATED SO AS NOT TO TAKE AIR FROM:

-WHERE IT WILL PICK UP OBJECTIONABLE ODORS, FUMES OR FLMMBL. YPRS.

-CLOSER THAN 10' FROM AN APPLING OR PLMBG VENT OUTLET, UNLESS THE

INLET DUCT SHALL BE EQUIPPED WITH A MOTORIZED DMPR THAT WILL OPEN

OTHER TIMES. IN ADDTN TO THE MOTORIZED DMPR, A MANUAL DMPR SET TO

THE CALCS BELOW. THE AIR INTAKE DUCT DMPR SHALL BE SET W/IN THIS RNG.

WHEN THE VAILT'N FAN RELAY IS ACTIVATED, AND REMAIN CLOSED AT ALL

A WHOLE HOUSE EXHAUST FAN SHALL BE LCT'D IN THE CEILING. SIZE PER

-DUCT SHALL BE INSLT'D TO R-4 WHEN PASSING THROUGH A COND'D SPACE.

NO CHANGE TO ANY EXISTING STAIRWAYS.

MECHANICAL VENTILATION RATE:
THE WHOLE HOUSE MECHANICAL VENTILATION SYSTEM SHALL PROVIDE OUTDOOR AIR TO EACH HABITABLE SPACE AT A CONTINUOUS RATE NOT LESS THAN THAT DETERMINED IN ACCORDANCE WITH TABLE MIDOT.3.3(1).

THE WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM IS PERMITTED TO OPERATE INTERMITTENTLY WHERE THE SYSTEM HAS CONTROLS THAT ENABLE OPERATION FOR NOT LESS THAN 25 PERCENT OF EACH 4-HOUR SEGMENT AND THE VENTILATION RATE PRESCRIBED IN TABLE MISØ1.3.3(10 IS MULTIPLIED BY THE FACTOR DETERMINED IN TABLE MISOT.3.3(2).

TABLE M1507.3.3(1) CONTINUOUS WHOLE HOUSE MECHANICAL VENTILATION SYSTEM AIRFLOW RATE REQUIREMENTS							
DWELLING UNIT NUMBER OF BEDROOMS							
FLOOR AREA	Ø-1	2-3	4-5	6-7	>7		
(SQUARE FEET) AIRFLOW IN CFM							
< 1,500	3Ø	45	60	75	90		
1,501-3,000	45	60	75	90	105		
3,001-4,500	60	75	90	105	120		
4,501-6,000	75	90	105	12Ø	135		
6,001-7,500	90	105	12Ø	135	150		
>1,500	105	12Ø	135	150	165		
		•	•	•	•		
]			MITTENT WHO				

TABLE MI507.3.3(2) INTERMITTENT WHOLE HOUSE MECHANICAL VENTILATION RATE FACTORS <sup>a,b</sup>								
RUN TIME PERCENTAGE IN 25% 33% 50% 66% 75% 100%								
FACTOR 4 3 <b>2</b> 1.5 1.3 1								
a. FOR VENTILATION SYSTEM RUN TIME VALUES BETWEEN THOSE GIVEN, THE FACTORS ARE PERMITTED TO BE DETERMINED BY INTERPOLATION.								

b. EXTRAPOLATION BEYOND THE TABLE IS PROHIBITED. EXHAUST FANS MUST BE FLOW RATED AT .25 W.G. AND MAX. 1.5 SONE RATING. READILY ACC66BLE 24 HR CLCK TMR OR DEHUMIDISTAT & RELAY 6HALL BE INSTLL'D AND WIRED TO REGULATE THE FURN FAN, RELAY AND WHOLE HOUSE

INTERIOR DOORS SHALL BE INSTLL'D SO AS NOT TO IMPEDE THE MYMNT OF FRESH AIR TO ALL HABITABLE ROOMS.

WILIN SYSTEM MUST BE PERFORMANCE TESTED JUST PRIOR TO THE FINAL INSPECTION BY THE INSTALLER OR A QLF'D THIRD PARTY. THE INLET DUCT SHALL BE LABELED WITH THE ACTUAL CFMS MSR'D & A LETTER OF CMPLNC SHALL BE AVAILABLE ON SITE FOR THE INSPCTR BEFORE A CERT OF OCCUPANCY WILL BE ISSUED.

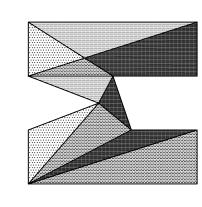
-3/4" T#G PLYWOOD

SUB-FLOOR

HANG TJI'S FROM P.T. MUD SILL W/ SIMPSON

LOWER FLOOR

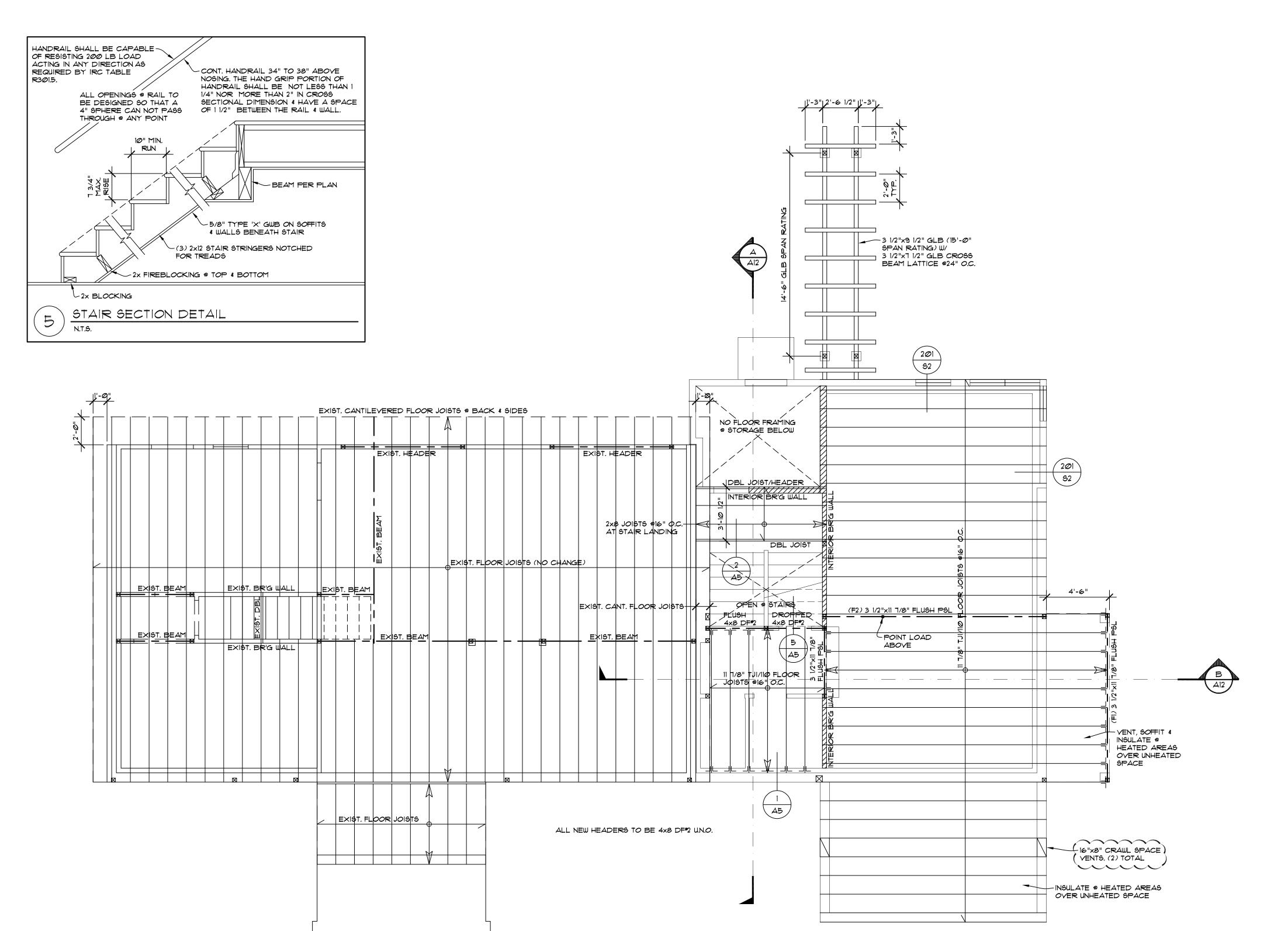
ITSI.81/11.88 TOP FLANGE HANGERS



KOLBE ADDITION 7001 82nd AVE SE MERCER ISLAND, WA

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY: MM REVISED: 3/24/22

SHEET NO.



DROPPED JOIST DETAIL N.T.S. HANDRAIL SHALL BE CAPABLE -OF RESISTING 200 LB LOAD ACTING IN ANY DIRECTION AS -CONT. HANDRAIL 34" TO 38" ABOVE REQUIRED BY IRC TABLE NOSING. THE HAND GRIP PORTION OF R3Ø1.5. HANDRAIL SHALL BE NOT LESS THAN I ALL OPENINGS @ RAIL TO 1/4" NOR MORE THAN 2" IN CROSS BE DESIGNED SO THAT A SECTIONAL DIMENSION & HAVE A SPACE OF 1 1/2" BETWEEN THE RAIL & WALL. 4" SPHERE CAN NOT PASS THROUGH @ ANY POINT RUN -DBL JOISTS PER PLAN ~5/8" TYPE 'X' GWB ON SOFFITS # WALLS BENEATH STAIR (3) 2×12 STAIR STRINGERS NOTCHED FOR TREADS - 2x FIREBLOCKING @ TOP & BOTTOM └2x BLOCKING STAIR SECTION DETAIL

-P.T. 3x MUD SILL TYP.

1/4" GAP

FINISH GRADE  $^{m{Q}}\,\overline{\Sigma}$ 

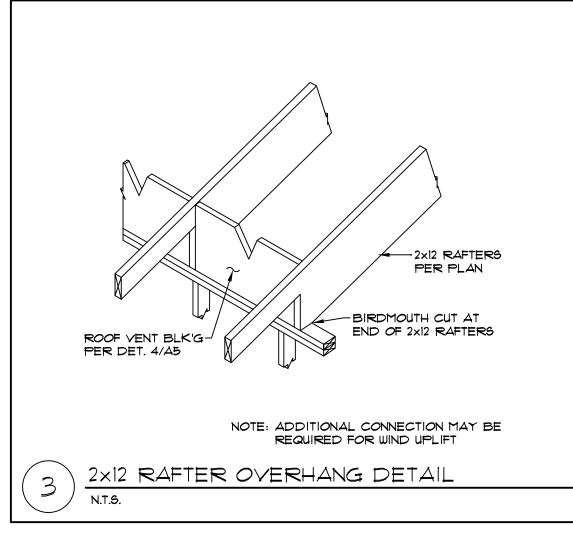
N.T.S.

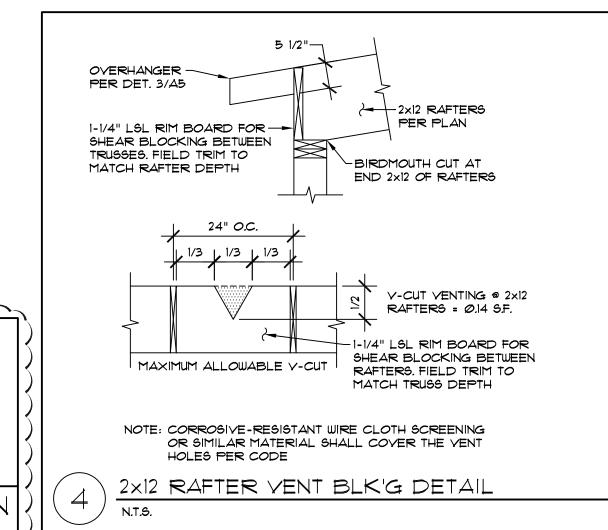
RIPPED TO WIDTH OF

FOUNDATION WALL +1/4"

-FOUNDATION WALL PER DETAILS

104/SI OR 101B/S2





- UNDER-FLOOR AREA = 0.54 SQ. FT. NET FREE REQUIRED  $\emptyset.54$  NET FREE x 144 = 78 SQ. IN./SQ. FT. NET FREE REQUIRED PROVIDE I SQ. FT. PER 300 SQ. FT. OF UNDER FLOOR AREA. COVER VENTS WITH 1/4" CORROSION RESISTANT WIRE MESH. LOCATE VENTS AS CLOSE TO CORNERS AS PRACTICAL.

EFFICIENT VENT AREA = 45 SQ. IN. (16"x8") SQ. IN. NET FREE = 2 (\* OF VENTS REQ'D) VENT AREA

CRAWL VENTILATION CALCULATION

NORTH

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

INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH CORRECTIONS IF REQUIRED.

CONDITIONS. IF DIMENSIONS OR EXISTING CONDITIONS ARE DIFFERENT THAN

NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND

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REVISED: 3/24/22

SHEET NO.

ROOF VENTILATION CALCULATIONS

TOTAL VENTILATION REQUIRED  $\frac{73*}{300} = 0.24$  SF NET FREE

3 BAYS W/ V-CUT @ TOP = 3 V-CUTS x Ø.14 S.F. PER V-CUT = Ø.42 S.F. 3 BAYS W/ V-CUT @ BOTTOM = 3 V-CUTS x Ø.14 S.F. PER V-CUT = Ø.42 S.F. (PROVIDE EAVE VENT BLOCKING @ EVERY BAY) MIN. 50% BY VENTILATION ABOVE EAVE = 0.24 x 0.5 = 0.12 S.F.

TOTAL VENTILATION PROVIDED: LOWER EAVE VENTILATION = 0.42 S.F. ABOVE EAVE VENTILATION = 0.42 S.F. TOTAL VENTILATION REQUIRED = 0.24 S.F.

TOTAL VENTILATION PROVIDED = 0.84 S.F.

ROOF VENTILATION CALCULATIONS

(4) AF-50 ROOF JACK YIELD 1.4 S.F. (.35 S.F. NET FREE EACH) EAVE VENTILATION = 73 LF. x 3.3 SQ. IN./LF. = 1.6 SF. (PROVIDE EAVE VENT BLOCKING @ EVERY BAY) MIN. 50% BY VENTILATION ABOVE EAVE = 2.6 x Ø.5 = 1.3 S.F. TOTAL VENTILATION PROVIDED:

PROVIDE 12"X12" HOLES IN ROOF

OVERFRAMED AREAS

SHEATHING @ EVERY OTHER BAY FOR CROSS VENTILATION @

/3Ø1A\

GUTTER/DOWNSPOUT

LOCATIONS 

(3Ø1A)

S2

(301A)

S2 /

ALL NEW TRUSSES ARE

ASSUMED 2×6 TOP CHORDS

R311.7.5.1 RISERS - THE RISER HEIGHT SHALL BE NOT MORE THAN T-3/4". THE RISER SHALL BE MEASURED VERTICALLY BETWEEN LEADING EDGES OF THE ADJACENT TREADS. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8". RISERS SHALL BE VERTICAL OR SLOPED FROM THE UNDERSIDE OF THE NOSING OF THE TREAD ABOVE AT AN ANGLE NOT MORE THAN 30 DEGREES FROM THE VERTICAL. OPEN RISERS ARE PERMITTED PROVIDED THAT THE OPENINGS LOCATED MORE THAN 30", AS MEASURED VERTICALLY, TO THE FLOOR OR GRADE BELOW DO NOT PERMIT THE PASSAGE OF A 4" DIAMETER SPHERE. EXCEPTIONS: 1. THE OPENING BETWEEN ADJACENT TREADS IS NOTLIMITED ON SPIRAL STAIRWAYS.

STAIRWAYS - 2018 IRC SECTION 311.7

27" WHERE HANDRAILS ARE PROVIDED ON BOTH SIDES.

PLATFORM ON THAT PORTION OF THE STAIRWAY.

WITH SECTION R311.7.10.1.

SECTION R311,7,10,1.

CARPETS, RUGS OR RUNNERS.

R311.7.1 WIDTH - STAIRWAYS SHALL BE NOT LESS THAN 36" IN CLEAR WIDTH

AT ALL POINTS ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT. THE CLEAR WIDTH OF STAIRWAYS AT AND

BELOW THE HANDRAIL HEIGHT, INCLUDING TREADS AND LANDINGS, SHALL BE NOT LESS THAN 31-1/2" WHERE A HANDRAIL IS INSTALLED ON ONE SIDE AND

EXCEPTION: THE WIDTH OF SPIRAL STAIRWAYS SHALL BE IN ACCORDANCE

R311.7.2 HEADROOM - THE HEADROOM IN STAIRWAYS SHALL BE NOT LESS

TREAD NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR

THAN 6'-8" MEASURED VERTICALLY FROM THE SLOPED LINE ADJOINING THE

EXCEPTIONS: I, WHERE THE NOSINGS OF TREADS AT THE SIDE OF A FLIGHT EXTEND UNDER THE EDGE OF A FLOOR OPENING THROUGH WHICH THE STAIR PASSES, THE FLOOR OPENING SHALL BE ALLOWED TO PROJECT HORIZONTALLY INTO THE REQUIRED HEADROOM NOT MORE THAN 4-3/4".

2. THE HEADROOM FOR SPIRAL STAIRWAYS SHALL BE IN ACCORDANCE WITH

R311.7.3 VERTICAL RISE - A FLIGHT OF STAIRS SHALL NOT HAVE A VERTICAL

SECTION, DIMENSIONS AND DIMENSIONED SURFACES SHALL BE EXCLUSIVE OF

R311.7.5 STAIR TREADS AND RISERS - STAIR TREADS AND RISERS SHALL MEET THE REQUIREMENTS OF THIS SECTION. FOR THE PURPOSES OF THIS

RISE LARGER THAN 151" BETWEEN FLOOR LEVELS OR LANDINGS.

2. THE RISER HEIGHT OF SPIRAL STAIRWAYS SHALL BE IN ACCORDANCE WITH SECTION R311.7.10.1.

R311.7.5.2 TREADS - THE TREAD DEPTH SHALL BE NOT LESS THAN 10". THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE. THE GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE

R311.7.5.3 NOSINGS - NOSINGS AT TREADS, LANDINGS, AND FLOORS OF STAIRWAYS SHALL HAVE A RADIUS OF CURVATURE AT THE NOSINGS NOT GREATER 9/16" OR A BEVEL NOT GREATER THAN 1/2". A NOSING PROJECTION NOT LESS THAN 3/4" AND NOT MORE THAN 1-1/4" SHALL BE PROVIDED ON STAIRWAYS. THE GREATEST NOSING PROJECTION SHALL NOT EXCEED THE SMALLEST NOSING PROJECTION BY MORE THAN 3/8" WITHIN A STAIRWAY EXCEPTION: A NOSING PROJECTION IS NOT REQUIRED WHERE THE TREAD DEPTH IS NOT LESS THAN II".

R311.7.6 LANDINGS FOR STAIRWAYS - THERE SHALL BE A FLOOR OR LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY, THE WIDTH PERPENDICULAR TO THE DIRECTION OF TRAVEL SHALL BE NOT LESS THAN THE WIDTH OF THE FLIGHT SERVED. LANDINGS OF SHAPES OTHER THAN SQUARE OR RECTANGULAR SHALL BE PERMITTED PROVIDED THAT THE DEPTH AT THE WALK LINE AND THE TOTAL AREA IS NOT LESS THAN THAT OF A QUARTER CIRCLE WITH A RADIUS EQUAL TO THE REQUIRED LANDING WIDTH. WHERE THE STAIRWAY HAS A STRAIGHT RUN, THE DEPTH IN THE DIRECTION OF TRAVEL SHALL BE NOT LESS THAN 36".

R311.7.7 STAIRWAY WALKING SURFACE - THE WALKING SURFACE OF TREADS AND LANDINGS OF STAIRWAYS SHALL BE SLOPED NOT STEEPER THAN ONE UNIT VERTICAL IN 48" HORIZONTAL.

R311.7.8 HANDRAILS - HANDRAILS SHALL BE PROVIDED ON NOT LESS THAN ONE SIDE OF EACH FLIGHT OF STAIRS WITH FOUR OR MORE RISERS.

R311.7.8.1 HEIGHT - HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 34" AND NOT MORE THAN 38".

R311.7.8.2 HANDRAIL PROJECTION - HANDRAILS SHALL NOT PROJECT MORE THAN 4-1/2" ON EITHER SIDE OF THE STAIRWAY EXCEPTION: WHERE NOSINGS OF LANDINGS, FLOORS OR PASSING FLIGHTS HANDRAILS , HANDRAILS SHALL PROJECT NOT MORE THAN 6-1/2" INTO THE STAIRWAY, PROVIDED THAT THE STAIR WIDTH AND HANDRAIL CLEARANCE ARE NOT REDUCED TO LESS THAN REQUIRED.

R311.7.8.3 HANDRAIL CLEARANCE - HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2" BETWEEN THE WALL AND THE HANDRAILS.

R311.7.8.4 CONTINUITY - HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. EXCEPTIONS: 1. HANDRAIL CONTINUITY SHALL BE PERMITTED TO BE INTERRUPTED BY A NEWEL POST AT A TURN IN A FLIGHT WITH WINDERS, AT A LANDING, OR OVER THE LOWEST TREAD. 2. A VOLUTE, TURNOUT OR STARTING EASING SHALL BE ALLOWED TO TERMINATE OVER THE LOWEST TREAD

R311.7.8.5 GRIP SIZE - REQUIRED HANDRAILS SHALL BE OF ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRASPABILITY. . TYPE I. HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF NOT LESS THAN 1-1/4" AND NOT GREATER THAN 2". IF THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF NOT LESS THAN 4" AND NOT GREATER THAN 6-1/4" WITH A CROSS SECTION OF DIMENSION OF NOT MORE THAN 2-1/4". EDGES SHALL HAVE A RADIUS OF NOT LESS THAN O.OI".

2. TYPE II. HANDRAILS WITH A PERIMETER GREATER THAN 6-1/4" SHALL HAVE A GRASPABLE FINGER RECESS AREA ON BOTH SIDES OF THE PROFILE. THE FINGER RECESS SHALL BEGIN WITHIN A DISTANCE OF 3/4" MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND ACHIEVE A DEPTH OF NOT LESS THAN 5/16" WITHIN 7/8" BELOW THE WIDEST PORTION OF THE PROFILE. THIS REQUIRED DEPTH SHALL CONTINUE FOR NOT LESS THAN 3/8" TO A LEVEL THAT IS NOT LESS THAN 1-3/4" BELOW THE TALLEST PORTION OF THE PROFILE. THE WIDTH OF THE HANDRAIL ABOVE THE RECESS SHALL BE NOT LESS THAN 1-1/4" AND NOT MORE THAN 2-3/4". EDGES SHALL HAVE A RADIUS OF NOT LESS THAN O.O.I".



HATCHING DENOTES 2x OVERFRAMING

ALL TRUSSES:

-SHALL BE INSTALLED & BRACED TO MANUFACTURERS SPECIFICATIONS -WILL NOT BE FIELD ALTERED WITHOUT PRIOR BUILDING DEPARTMENT APPROVAL OF ENGINEERING CALCULATIONS -SHALL HAVE DESIGN DETAILS & DRAWINGS ON SITE FOR FRAMING INSPECTION

UNDER OVERFRAMED AREAS THAT ARE SHADED UN.O. CUT 12"x12" HOLES IN SHEATHING @ EVERY OTHER BAY TO ALLOW FOR CROSS VENTILATION INTO OVERFRAMED AREAS.

TOTAL VENTILATION REQUIRED  $\frac{116#}{300}$  = 2.6 S.F. NET FREE

ABOVE EAVE VENTILATION = 1.4 S.F. EAVE VENTILATION = 1.6 S.F. TOTAL VENTILATION REQUIRED = 2.6 S.F. (301B) TOTAL VENTILATION PROVIDED = 3.0 S.F.

- PROVIDE (4) AF-50

9:12

9:12 🖔

ROOF VENT CALCS NEW TRUSS ROOF

ROOF JACKS @ TRUSS

ROOF VENT CALCS. @ - PROVIDE VENT NEW RAFTER ROOF BLK'G @ EACH BAY GUTTER/DOWNSPOUT \ A5 302A S2 LOCATIONS

/3ØIA\ PROVIDE VENTI-S2 ) BLK'OF @ ELACH | 12 RAFTERS @24" O.C. BAY TO VENT RAFTERS INTO | STORAGE ROOF INTERIOR BRIG WALL EQ. EQ. PROVIDE 1×4 \$16" \$.C.+ lacross top of RAFTERS FOR CROSS VENTILATION EXIST. |FLOOR JOISTS (NO CHANGE)

PROVIDE VENTI-BLK'G @ EACH (R8) 3 1/2"x9" GLB BAY TO VENT RAFTERS INTO 1 truss roof | EXIST. BEAM! | EXIST. BEAM ! | EXI\$T. B#AM | ~22"x3Ø" ATTIC ACC**‡**66

| EXIST BEAM EXIST. BR'G WALL S HANG NEW BEAM ---EXIST. DBL EXIST. DBL EXIST. BEAM ALIGN POST W/ COMMON TRUSSES @2H" O.C.

-

4x12 DF#2 OR 3 1/2"x9" GLB (VERIFY OR REPLACE)

> (301A) GUTTER/DOWNSPOUT S2 / **LOCATIONS** NEW DOWNSPOUTS TO BE ) TIGHTLINED TO EXISTING STORM DRAINS

(302A) S2

- - - - - - - - - - - - -

NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IF DIMENSIONS OR EXISTING CONDITIONS ARE DIFFERENT THAN INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE

TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH



UPPER FLOOR & MAIN ROOF FRAMING PLAN

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

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CORRECTIONS IF REQUIRED.

B.O.B. = BOTTOM OF BEAM

-SHALL CARRY MANUFACTURERS STAMP

ROOF SHEATHING IS CONTINUOUS ON ROOF TRUSSES/RAFTERS EXTENDING

ALL NEW HEADERS TO BE 4x8 DF\*2 UN.O.

ALL UPPER ROOF PITCHES AS NOTED. X:12 INDICATES DOWN SLOPE

AMF. = ABOVE MAIN FLOOR

A.U.F. = ABOVE UPPER FLOOR

T.O.B. = TOP OF BEAM

 $\langle c \rangle$ 

 $\langle D \rangle$ 

 $\langle E \rangle$ 

ROOF VENTILATION CALCULATIONS

ROOF VENTILATION CALCULATIONS

ROOF VENTILATION CALCULATIONS

ABOVE EAVE VENTILATION = (2) 12"x12" HOLES = 2.0 S.F. PROVIDE (2) 12"x12" HOLES IN EXIST. ROOF SHEATHING FOR CROSS VENTING.

HATCHING DENOTES 2x OVERFRAMING

-SHALL CARRY MANUFACTURERS STAMP
-SHALL BE INSTALLED & BRACED TO MANUFACTURERS SPECIFICATIONS
-WILL NOT BE FIELD ALTERED WITHOUT PRIOR BUILDING DEPARTMENT

ROOF SHEATHING IS CONTINUOUS ON ROOF TRUSSES/RAFTERS EXTENDING UNDER OVERFRAMED AREAS THAT ARE SHADED UN.O. CUT 12"X12" HOLES IN SHEATHING @ EVERY OTHER BAY TO ALLOW FOR CROSS VENTILATION INTO

ALL UPPER ROOF PITCHES AS NOTED. X:12 INDICATES DOWN SLOPE

APPROVAL OF ENGINEERING CALCULATIONS
-SHALL HAVE DESIGN DETAILS & DRAWINGS ON SITE FOR FRAMING

TOTAL VENTILATION REQUIRED  $\frac{80^{\#}}{300}$  = 0.21 S.F. NET FREE

TOTAL VENTILATION REQUIRED  $\frac{80^{\#}}{300}$  = 0.21 S.F. NET FREE

TOTAL VENTILATION REQUIRED  $\frac{72*}{300}$  = 0.24 S.F. NET FREE

MIN. 50% BY VENTILATION ABOVE EAVE = 0.24 x 0.5 = 0.12 S.F.

EAVE VENTILATION = 12 L.F. x 3.3 SQ. IN./L.F. = Ø.27 S.F.

(PROVIDE EAVE VENT BLOCKING @ EVERY BAY)

NET GABLE END VENT = 2.5 S.F.

NET GABLE END VENT = 2.5 S.F.

TOTAL VENTILATION PROVIDED: ABOVE EAVE VENTILATION = 2.0 S.F.

TOTAL VENTILATION REQUIRED = 0.24 S.F.

TOTAL VENTILATION PROVIDED = 2.27 SF.

EAVE VENTILATION = 0.27 S.F.

ALL TRUSSES:

INSPECTION

OVERFRAMED AREAS.

T.O.B. = TOP OF BEAM

AMF. = ABOVE MAIN FLOOR

B.O.B. = BOTTOM OF BEAM

AUF. = ABOVE UPPER FLOOR

ALL NEW HEADERS TO BE 4x8 DF#2 U.N.O.

TOTAL VENTILATION PROVIDED:
GABLE END VENT = 2.5 S.F.
TOTAL VENTILATION REQUIRED = 0.27 S.F.
TOTAL VENTILATION PROVIDED = 2.5 S.F.

TOTAL VENTILATION PROVIDED:

GABLE END VENT = 2.5 S.F.

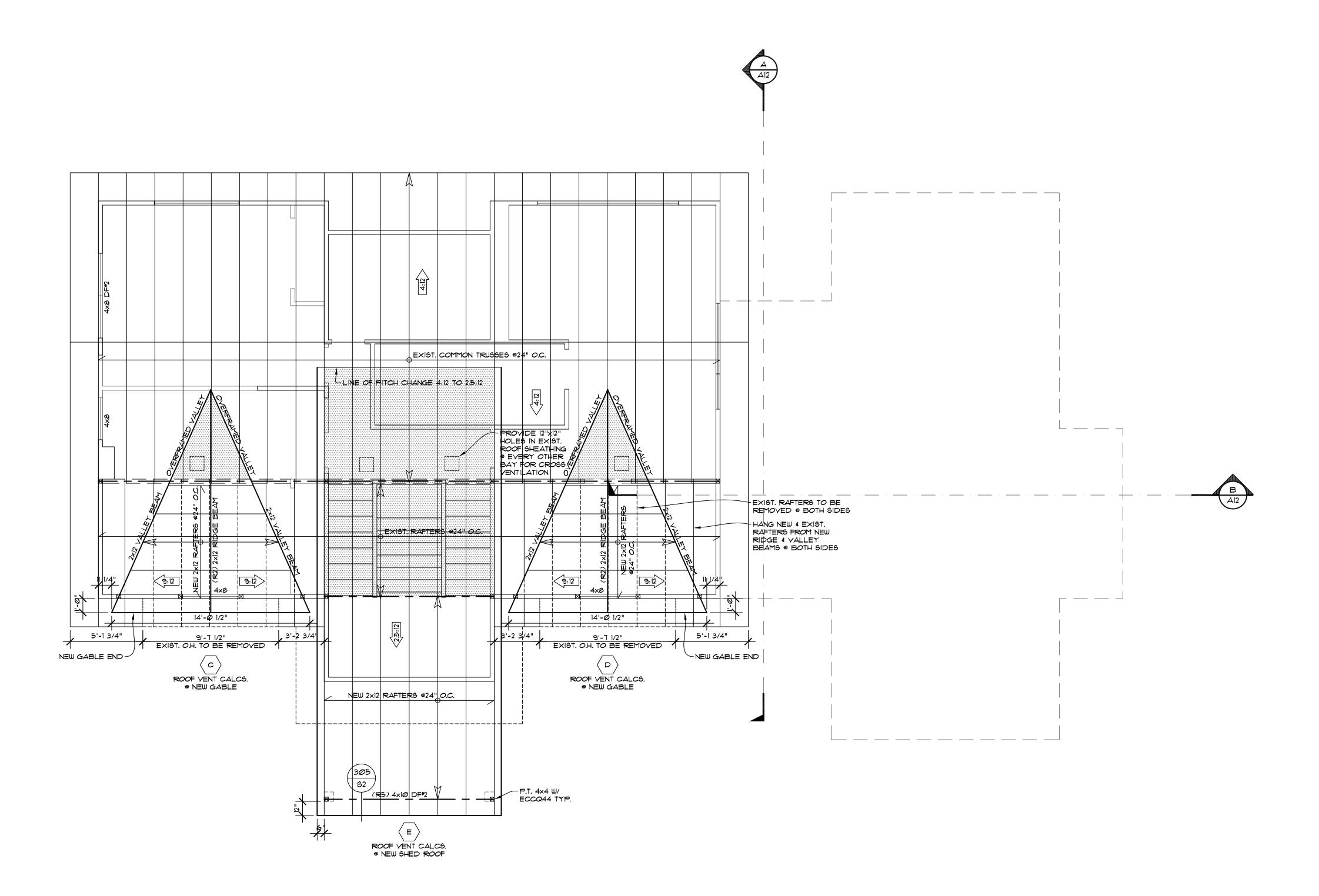
TOTAL VENTILATION REQUIRED = 0.21 S.F.

TOTAL VENTILATION PROVIDED = 2.5 S.F.

KOLBE ADDITION 7001 82nd AVE SE MERCER ISLAND, WA

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY:MM REVISED: 3/24/22

SHEET NO.



NOTE: CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS. IF DIMENSIONS OR EXISTING CONDITIONS ARE DIFFERENT THAN INDICATED ON THE PLAN, AND/OR IF THE CONTRACTOR UNCOVERS WORK THAT IS SUBSTANDARD, IS STRUCTURALLY DEFECTIVE AND/OR IS CONTRARY TO THE PLANS, THE CONTRACTOR SHALL NOTIFY THE DESIGNER, ENGINEER AND/OR OWNER OF SUCH CONDITIONS AT ONCE. THE DESIGNER SHALL, IN REASONABLE TIME, PROVIDE DIRECTION TO THE CONTRACTOR ON HOW TO PROCEED WITH CORRECTIONS IF REQUIRED.

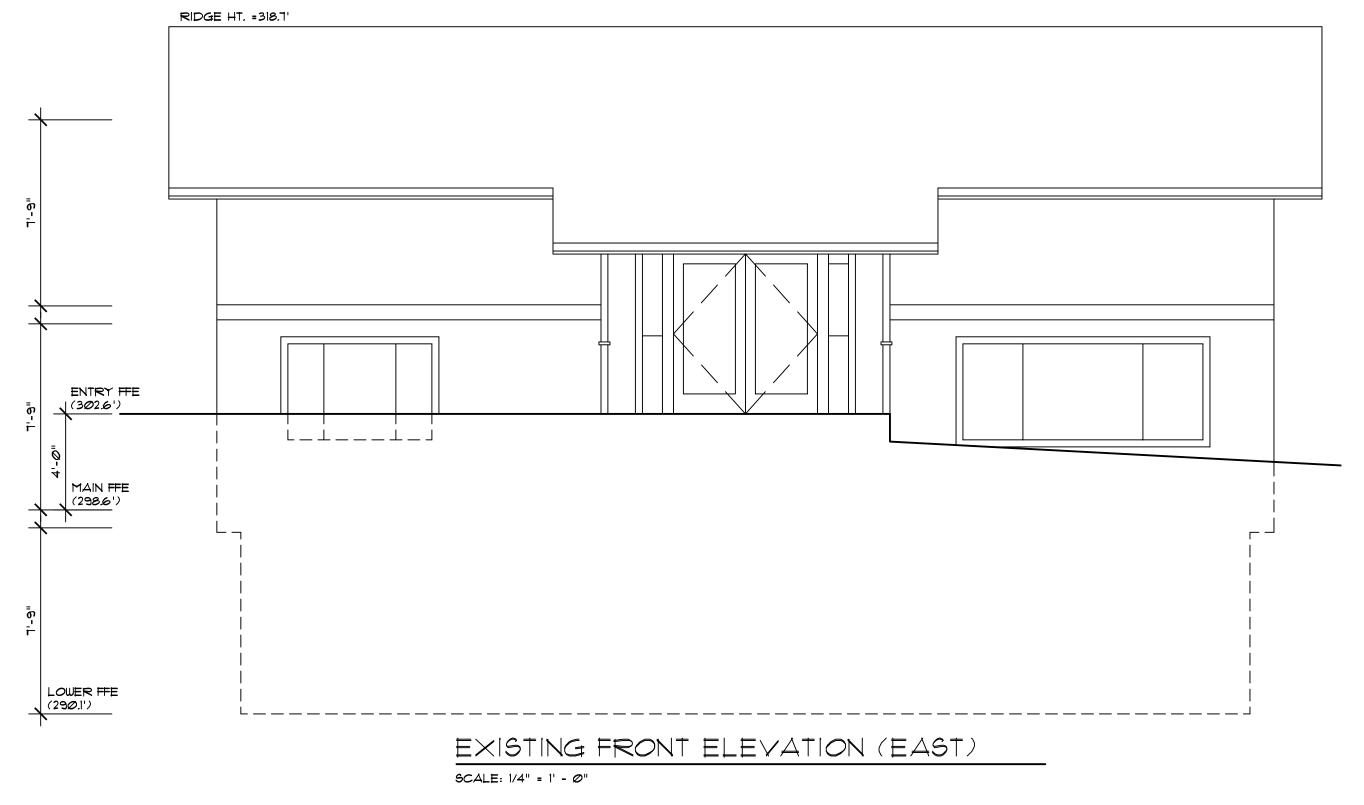


UPPER ROOF FRAMING PLAN

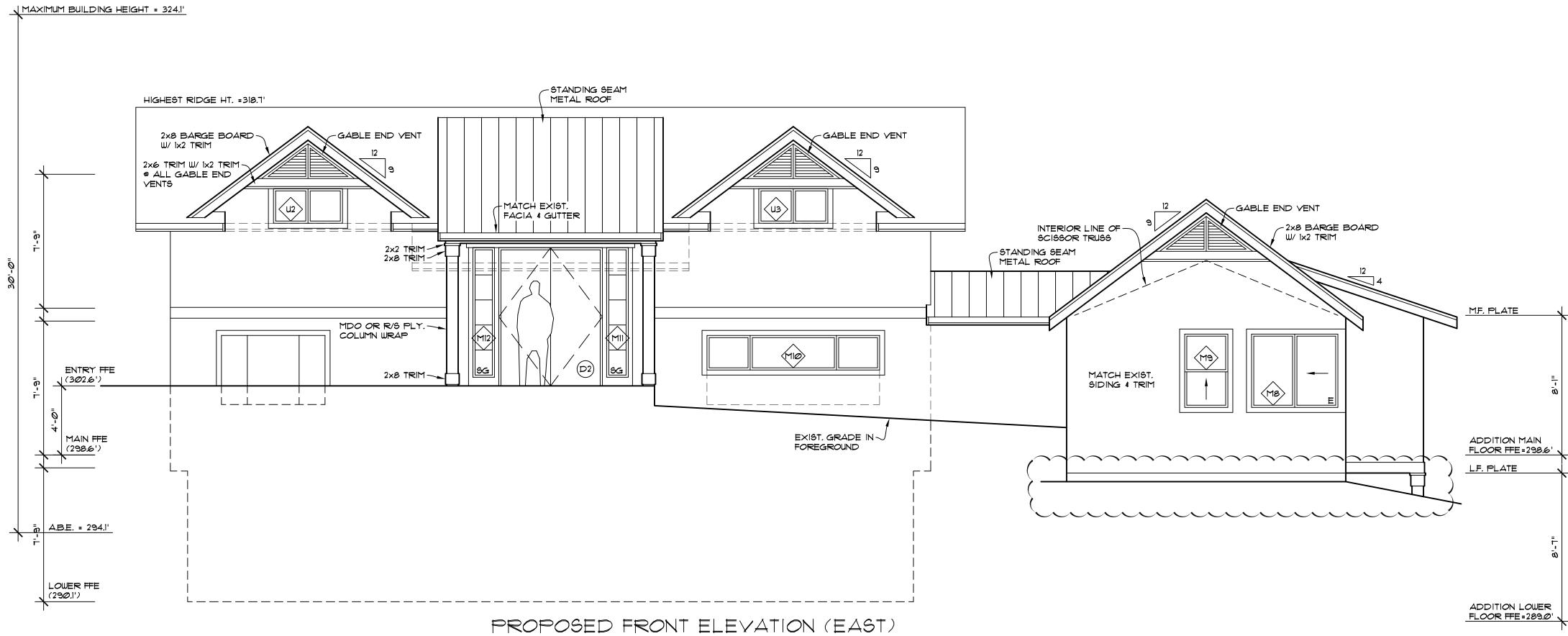
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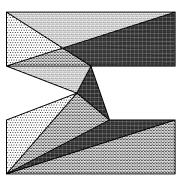
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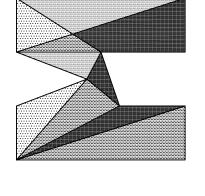
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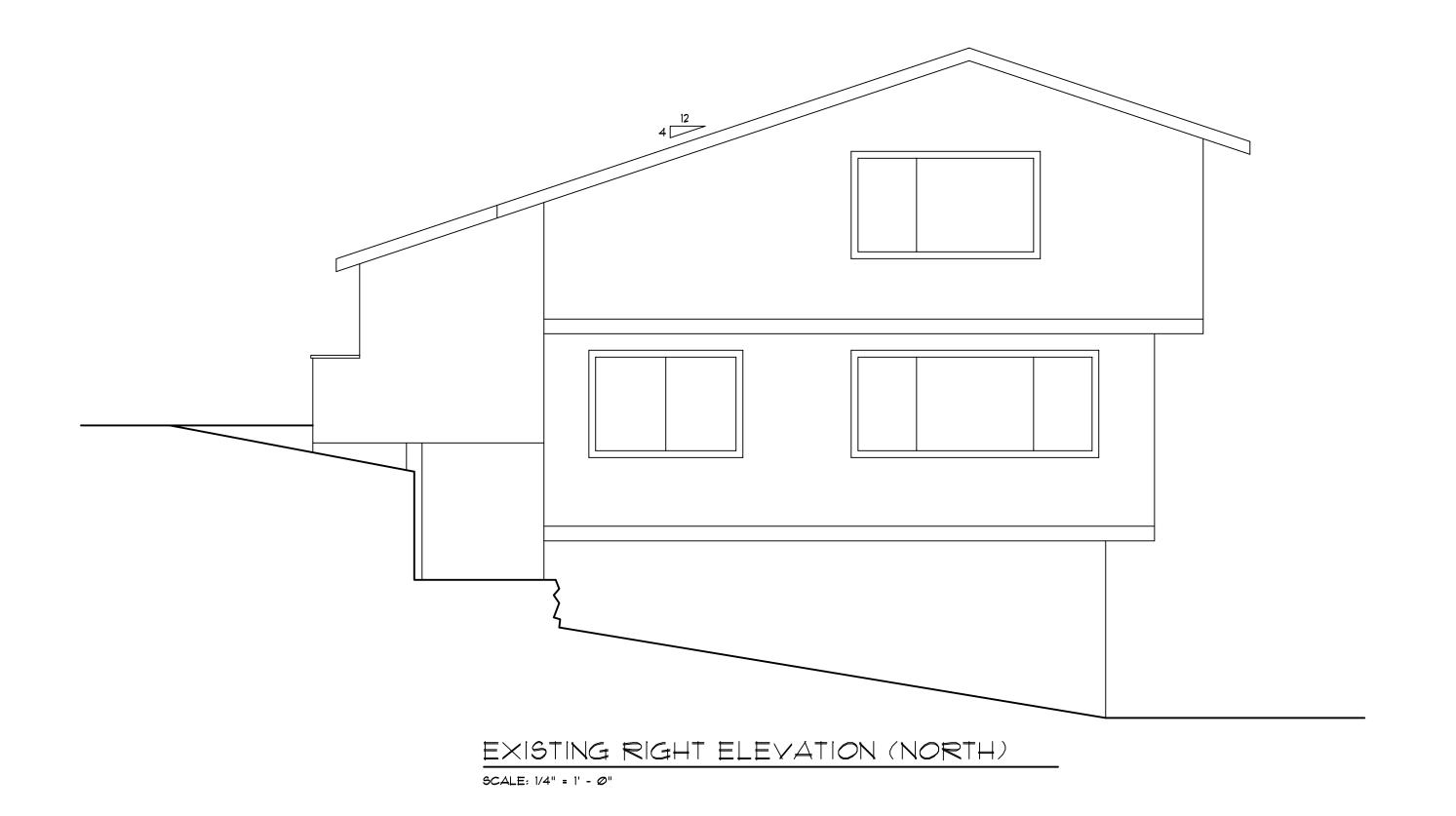
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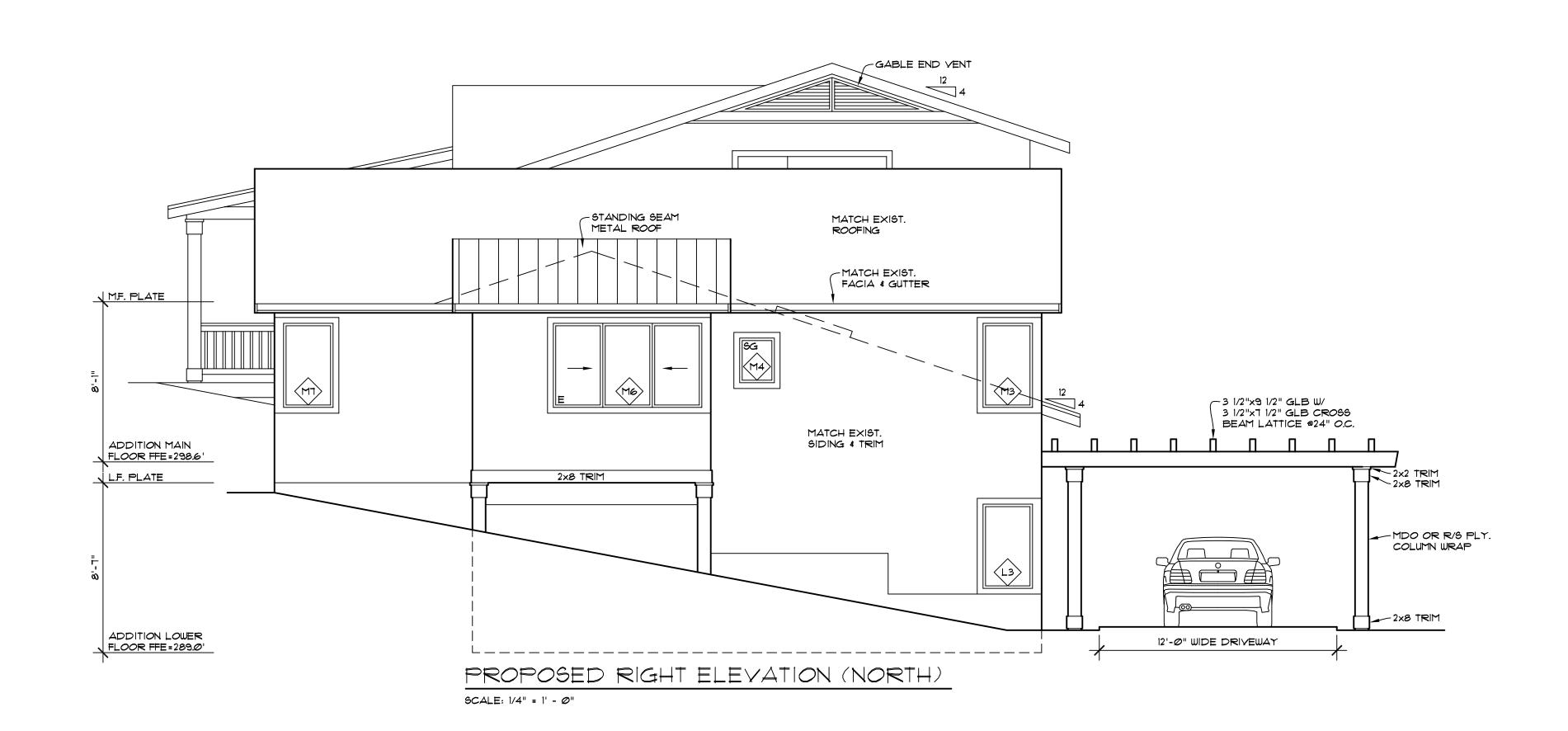


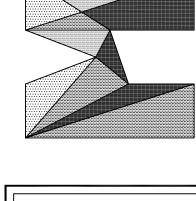




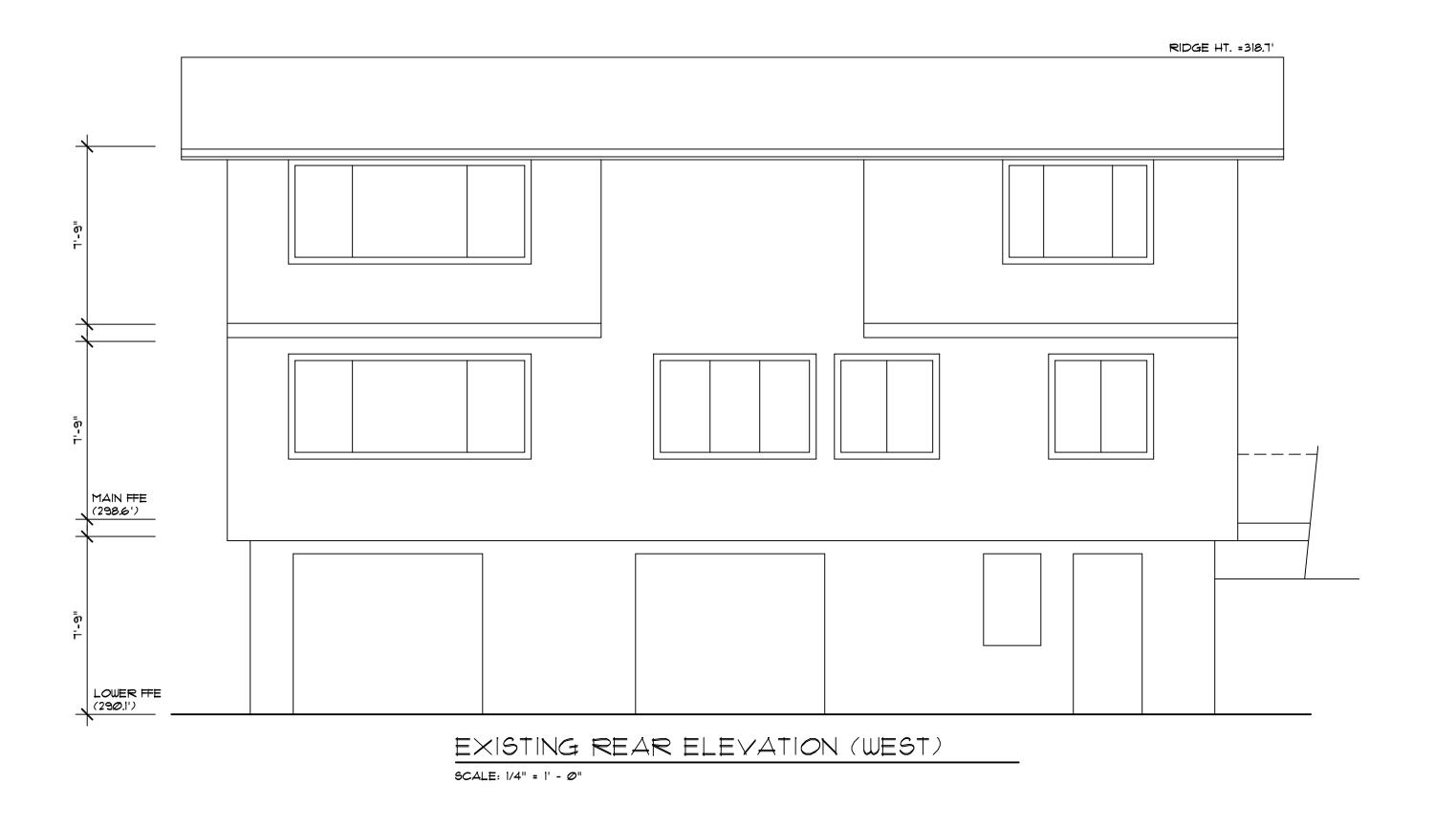
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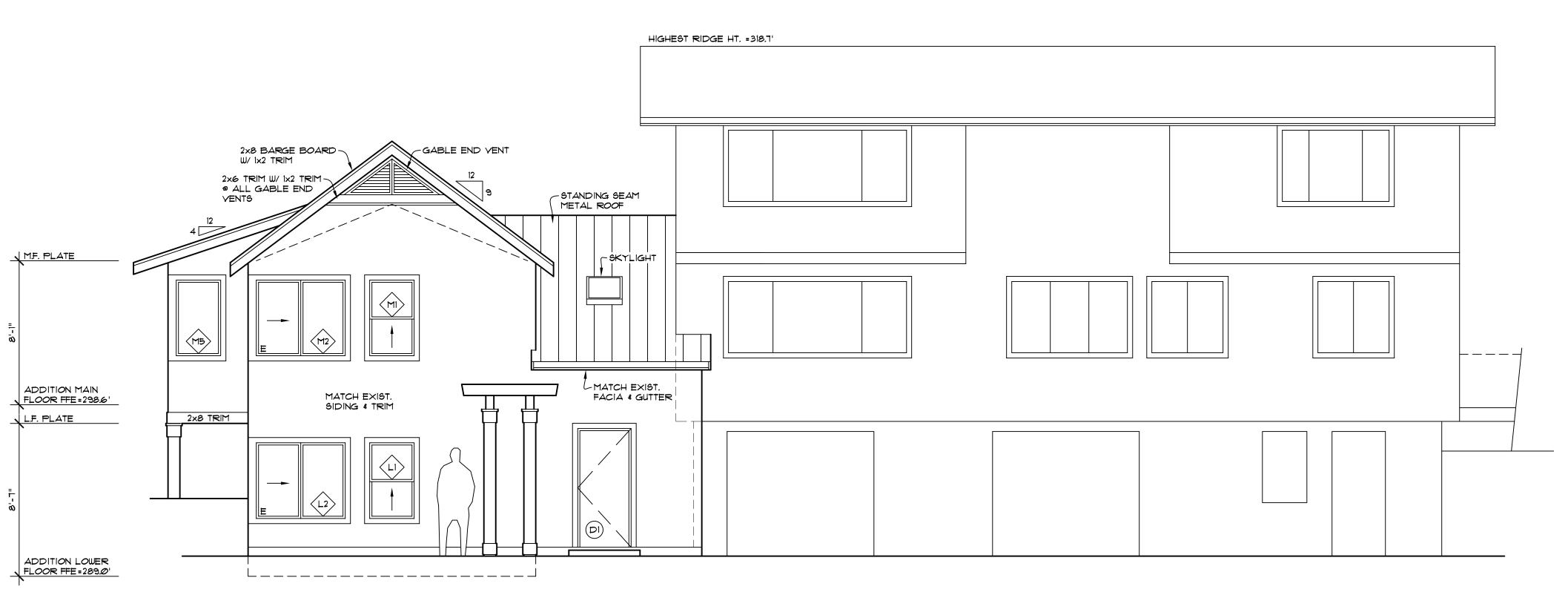


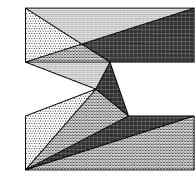


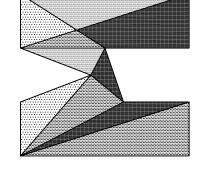


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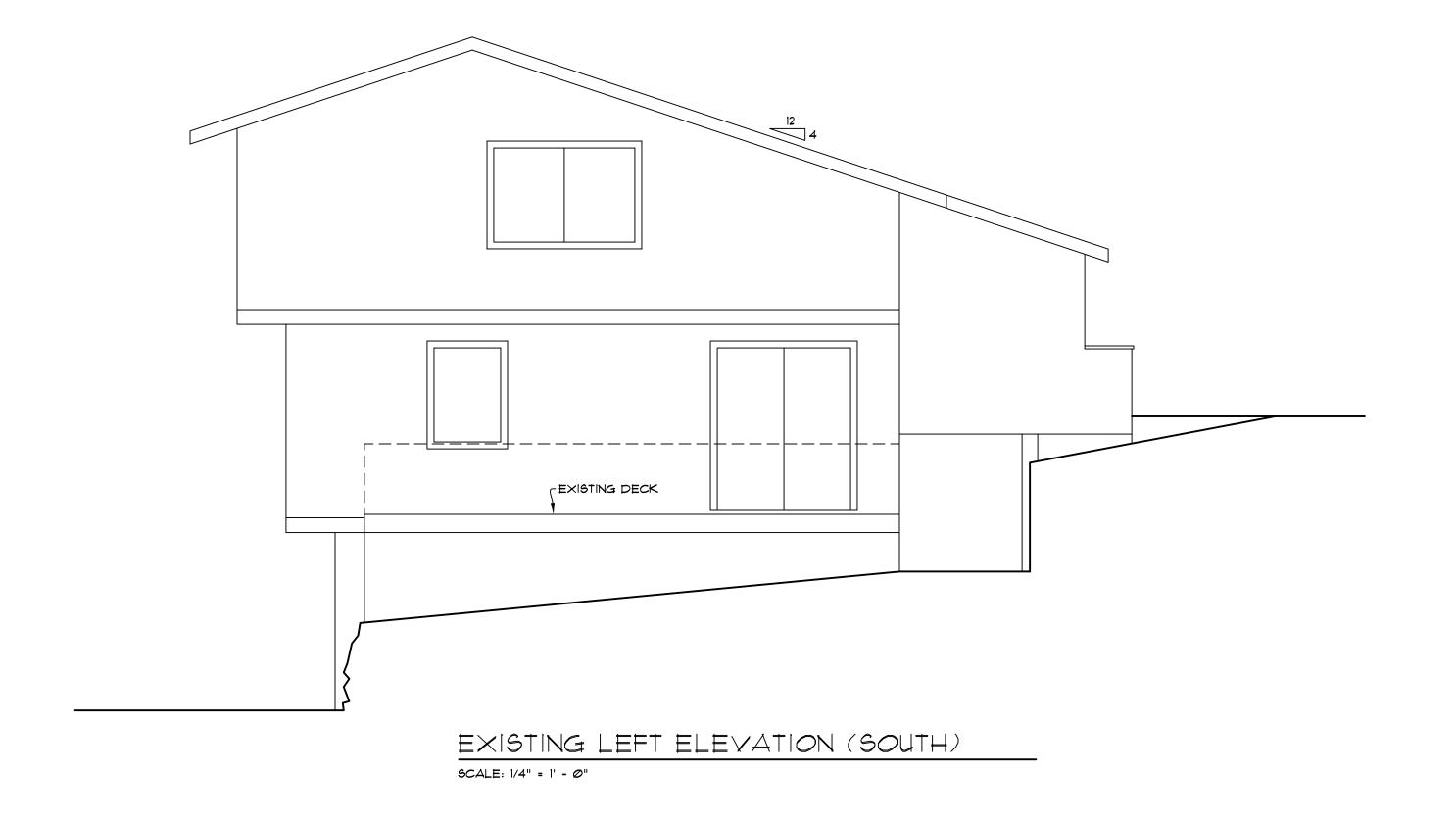


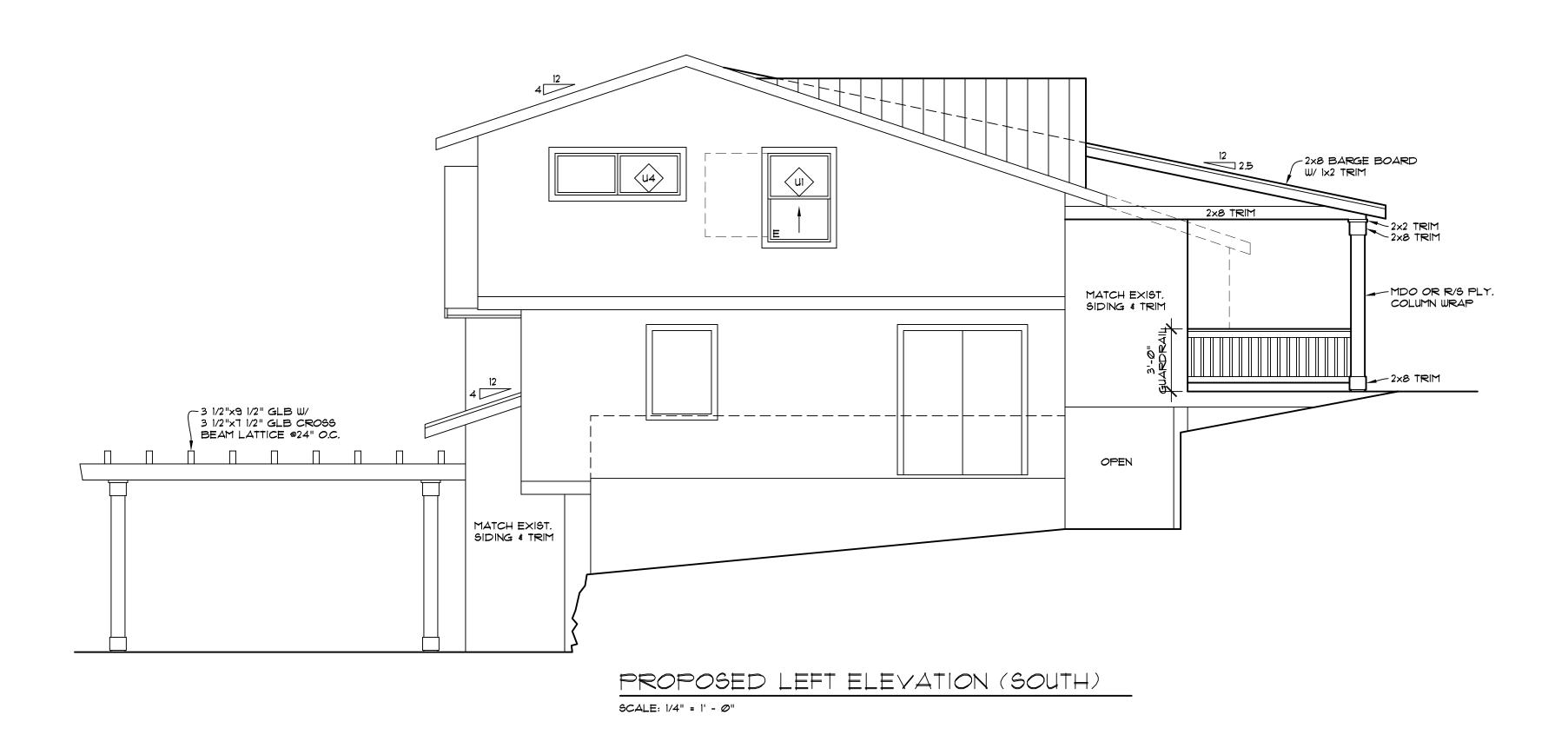


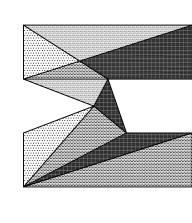




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PITCHED ROOF

ROOFING PER ELEVATIONS

30# BUILDING PAPER.
(2) LAYERS @ 2.5:12 PITCH.

SHEATHING PER STUCTURAL ENGINEER TRUSSES OR 2x RAFTERS PER PLAN R-49 INSULATION @ TRUSSED ROOF

R-38 INSULATION @ SINGLE RAFTER ROOF W/ VENT BAFFLE AS NEEDED
4 MIL. U.V. POLY.
5/8" GWB

R-21 BATT INSULATION
4 MIL UV RES. POLY
2x6 STUDS @ 16" O.C.
SHEATHING PER SHEAR WALL SCHED.

1/2" U.L. PLY @ VINYL 5/8" U.L. PLY @ VINYL TO HARDWOOD

3/4" T&G PLYWOOD SUB-FLR

(GLUE & NAIL) TJI FLOOR JOISTS PER PLAN

R-38 BATT. INSULATION @ HEATED

AREAS OVER UNHEATED SPACE 5/8" GWB

4" CONCRETE SLAB ON GRADE W/ 6x6 WI.4xWI.4 WWF 6 MIL. VAPOR BARRIER

UNDER ENTIRE SLAB @ HEATED

4" CONCRETE SLAB ON GRADE W/ 6x6 WI.4xWI.4 WWF

6 MIL. VAPOR BARRIER 4" GRANULAR FILL

R-10 RIGID INSULATION (MIN. COMPRESSIVE STRENGTH OF 15 PSI)

EXTERIOR CONDITIONED WALL

BUILDING PAPER

MAIN FLOOR

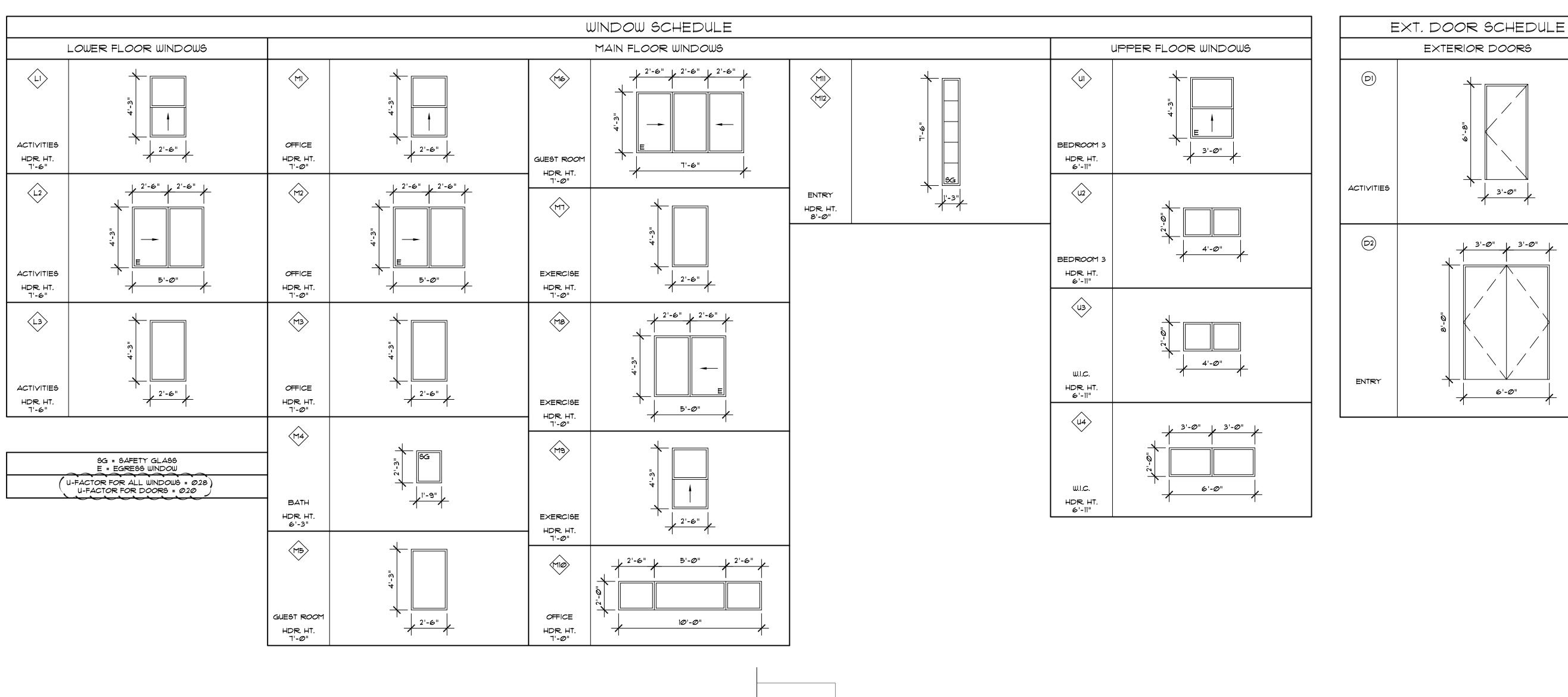
( LOWER FLOOR

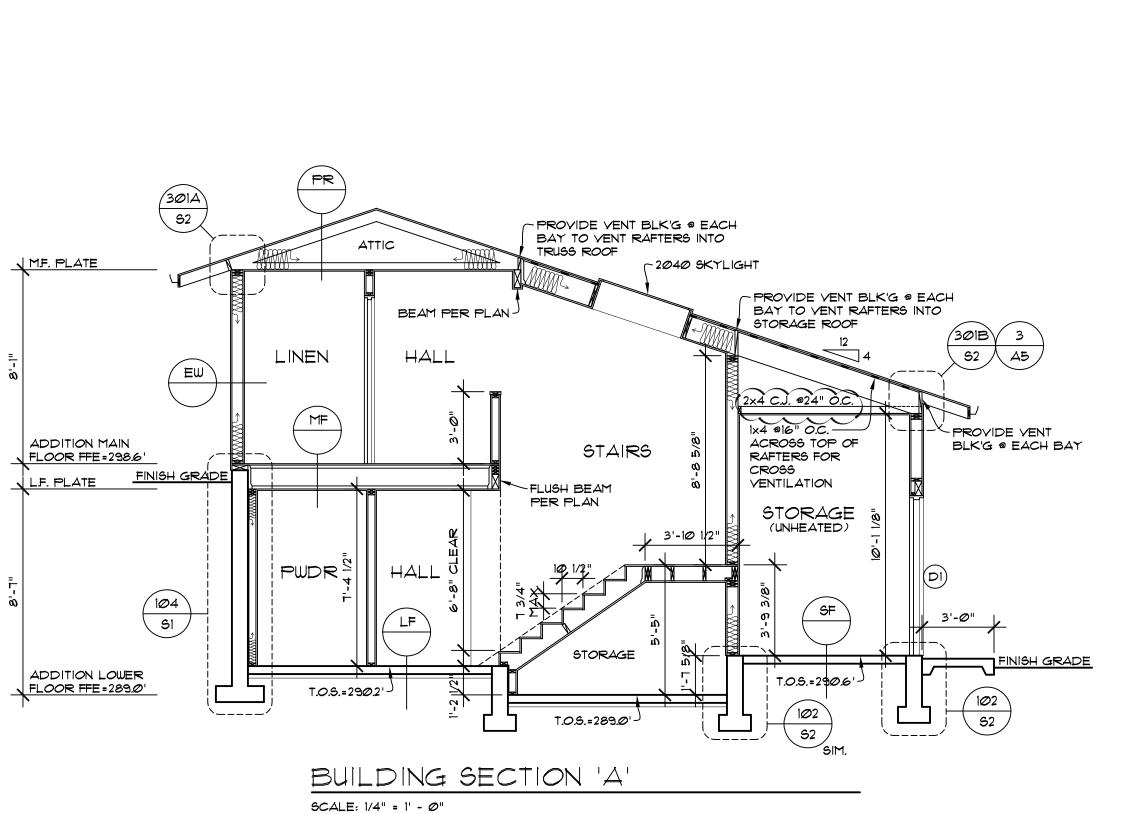
4" GRANULAR FILL

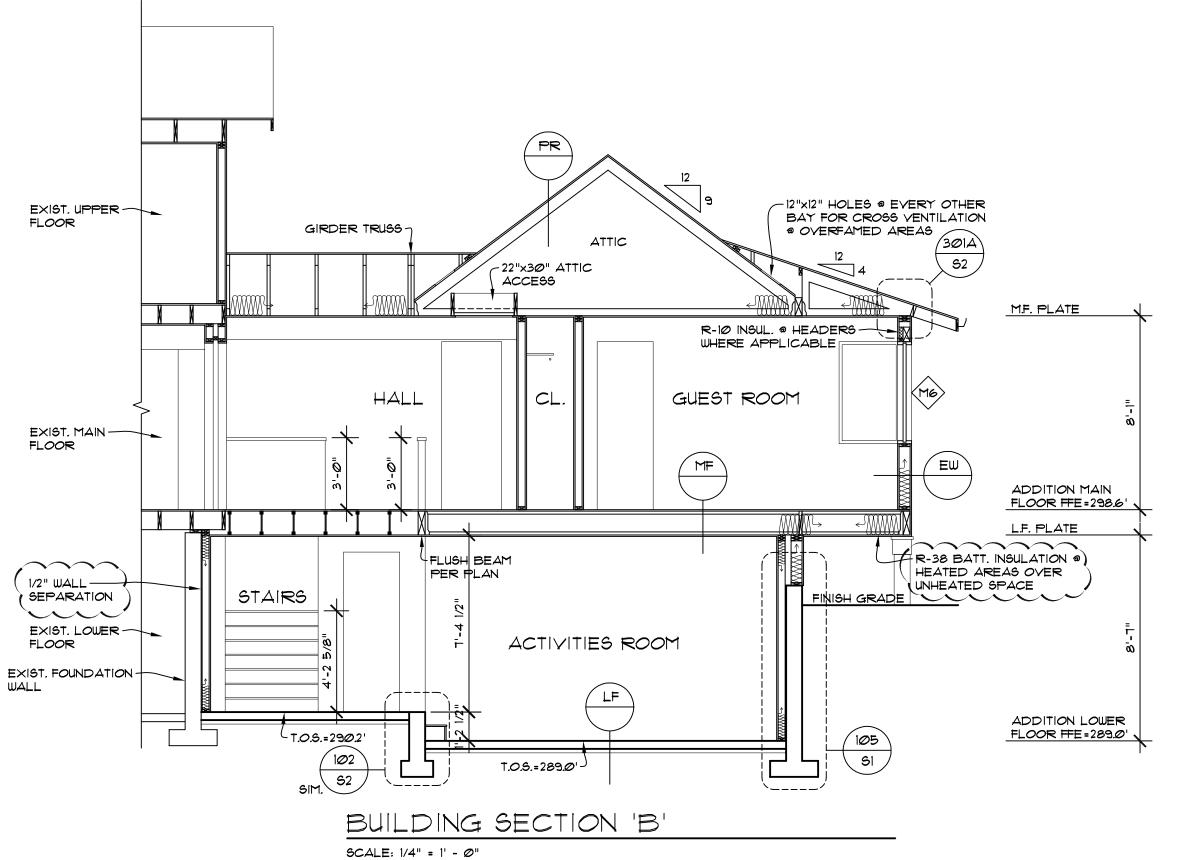
STORAGE FLOOR

SIDING PER ELEVATIONS

JOB NO: 21-001 DATE: 8/30/21 DRWN. BY:MM REVISED: 3/24/22







## STRUCTURAL NOTES

### CODES AND SPECIFICATIONS

INTERNATIONAL BUILDING CODE, 2018 EDITION, ASCE 7—16 INTERNATIONAL RESIDENTIAL CODE, 2018 EDITION

SIMPSON STRONG TIE WOOD CONSTRUCTION CONNECTORS 2019-2020

4. FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE STAINLESS STEEL, ZMAX(G185HDG PER ASTM A653). BATCH/POST HOT-DIP GALVANIZED (PER ASTM B695, CLASS 55 OR GREATER). UNCOATED AND PAINTED PRODUCTS SHOULD NOT BE USÉD WITH TREATED WOOD. WHEN USING STAINLESS STEEL HOT-DIP GALVÁNIZED CONNECTORS, THE CONNECTORS AND FASTENERS SHOULD BE MADE OF THE SAME MATERIAL.

WIND LOAD: INTERNATIONAL BUILDING CODE, 2018, ASCE 7-16, ALTERNATE ALL-HEIGHTS METHOD, ULTIMATE DESIGN WIND SPEED = 110 MPH, NOMINAL DESIGN WIND SPEED = 85 MPH, EXPOSURE C

SEISMIC: INTERNATIONAL BUILDING CODE, 2018, ASCE 7-16 RISK CATEGORY II, SEISMIC IMPORTANCE CATEGORY, Ie=1.0

MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, Ss=1.5, S1=0.5

SITE CLASS D DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS, Sds=1.0g, Sd=0.5g

SEISMIC DESIGN CATEGORY, D2 BASIC SEISMIC FORCE-RESISTING SYSTEM: LIGHT FRAME WALLS WITH WOOD SHEAR WALLS

DESIGN BASE SHEAR, V + F(Sds)(W)/R = 0.1846W

RESPONSE MODIFICATION COEFFICIENT, R=6.5 ANALYSIS PROCEDURE USED: SIMPLIFIED ALTERNATIVE STRUCTURAL DESIGN FOR SIMPLE BEARING WALL SYSTEMS

3. ROOF LOAD: DL = 15 PSF LL = 25 PSF (SNOW LOAD)

4. FLOOR LOAD: DL = 10 PSF LL = 40 PSF

5. DECK LOAD: DL = 10 PSF LL = 60 PSF

6. SOILS: ASSUMED 1500 PSF ALLOWABLE SOIL BEARING

ASSUMED 35 PCF ACTIVE SOIL PRESSURE, 350 PCF PASSIVE PRESSURE, 0.35 COEFFICIENT OF FRICTION ALL FOOTINGS AND SLABS SHALL BEAR ON UNDISTURBED SOIL OR FILL COMPACTED TO 95% MODIFIED PROCTOR.

7. CONCRETE: 3000 PSI @ 28 DAYS (2500 PSI USED FOR DESIGN)

GRADE 40 REINFORCEMENT MINIMUM 3" COVER FOR ALL REINFORCEMENT EXCEPT AS NOTED AT RETAINING WALL OR OTHER DETAILS.

### TIMBER CONSTRUCTION DETAILS

LUMBER GRADES AND ALLOWABLE STRESSES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON PLANS:

ALL SAWN LUMBER HF#2 OR BETTER, Fb = 875 PSI, Fv = 75 PSI, E = 1,300,000 GLULAM BEAMS 24F-V4, Fb = 2400 PSI, Fv = 165 PSI, E = 1,800,000

Fb = 2600 PSI, Fv = 285 PSI, E = 1,900,000 MICROLAM, LVL PARALLAMS, PSL Fb = 2600 PSI, Fv = 290 PSI, E = 2,900,000

WHEN TOP PLATE IS INTERRUPTED BY HEADER, HEADER SHALL HAVE STRAP CONNECTORS TO THE TOP PLATE EACH END. USE

2-SIMPSON MSTA24 CONNECTORS, UNLESS NOTED OTHERWISE. 2-SIMPSON MSTAZ4 CONNECTORS, ONLESS NOTED OTFICKMISE.

ALL SHEAR WALL SHEATHING, NAILS AND ANCHORS SHALL BE AS DETAILED ON THE DRAWINGS AND AS NOTED IN THE SHEAR WALL

3. LATERAL EARTH PRESSURE = 30 PCF WITH LEVEL BACKFILL

4. FLOOR SHEATHING SHALL BE ¾" MINIMUM APA RATED FLOOR SHEATHING WITH 10d COMMON @ 6"OC AT ALL SUPPORTED PANEL

EDGES AND 10d @ 12"OC AT INTERMEDIATE SUPPORTS. ROOF SHEATHING SHALL BE 18 MINIMUM APA RATED ROOF SHEATHING WITH 8d COMMON @ 6"OC AT ALL SUPPORTED PANEL EDGES
AND 8d @ 12"OC AT INTERMEDIATE SUPPORTS.

6. PROVIDE A MINIMUM 4" DIA. PERFORATED PIPE SURROUNDED IN PEA GRAVEL OR WASHED CLEAN GRAVEL
(MINIMUM 9" COVER) AND SLOPED TO A STORM DRAIN SYSTEM OR OTHER APPROPRIATE OUTLET. PERIMETER DRAINS

(MINIMUM 9" COVER) AND SLOPED TO A STORM DRAIN SYSTEM OR OTHER APPROPRIATE OUTLET. PERIMETER DRAINS

(MINIMUM 9" COVER) AND SLOPED TO A STORM DRAIN SYSTEM OR OTHER APPROPRIATE OUTLET. PERIMETER DRAINS

## GENERAL CONSTRUCTION NOTES

CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. ANY VARIATIONS FROM THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER OR THE ENGINEER OF RECORD.

ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS DURING CONSTRUCTION SHALL BE PROVIDED.

ANY PROPOSED FIELD CHANGES MUST HAVE THE APPROVAL OF THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

# MAWER/KOLBE

	F	OOTING	SCHEDULE	
MARK	SIZE	DEPTH	REINFORCING	ALLOWABLE LOAD
18	18"x18"	8"	(2) #4 EACH WAY	3375#
24	24"x24"	10"	(3) #4 EACH WAY	6000#
30	30"x30"	10"	(3) #5 EACH WAY	9375#
36	36"x36"	10"	(3) #5 EACH WAY	13500#
42	42"x42"	10"	(3) #5 EACH WAY	18375#
48	48"×48"	12"	(4) #5 EACH WAY	24000#
54	54"x54"	12"	(5) #5 EACH WAY	30375#
60	60"x60"	12"	(5) #5 EACH WAY	37500#
66	66"x66"	12"	(6) #5 EACH WAY	45375#
72	72"x72"	12"	(7) #5 EACH WAY	54000#

FOOTING DESIGN IS BASED ON 2500 PSI CONCRETE AND AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF

H T L I D VERTICAL HORIZONTAL DOWELS FOOTING REINFORCING		CANTILEVERED RETAINING WALL SCHEDULE									
	Н	Т	L	I	D			DOWELS	FOOTING REINFORCING		
4'-0" 8" 2'-0" 8" 8" #4 @12" O.C. #4 @10" O.C. #4 @12" O.C. #4 @12" O.C.	4'-0"	8"	2'-0"	8"	8"	#4 @12" O.C.	#4 @10" O.C.	#4 @12" O.C.	#4 @18" O.C.		
6'-0" 8" 2'-8" 1'-0" 9" #4 @12" O.C. #4 @10" O.C. #4 @12" O.C. #4 @12" O.C. #4 @12" O.C.	6'-0"	8"	2'-8"	1'-0"	9"	#4 @12" O.C.	#4 @10" O.C.	#4 <b>@</b> 12" O.C.	#4 @18" O.C.		
8'-0" 8" 3'-8" 1'-6" 10" #5 @12" O.C. #4 @10" O.C. #5 @12" O.C. #4 @10" O.C.	8'-0"	8"	3'-8"	1'-6"	10"	#5 <b>@</b> 12" O.C.	#4 @10" O.C.	#5 <b>@</b> 12" O.C.	#4 @10" O.C.		
10'-0" 8" 5'-8" 2'-6" 10" #5 @8" O.C. #4 @10" O.C. #5 @8" O.C. #5 @8" O.C.	10'-0"	8"	5'-8"	2'-6"	10"	#5 <b>@</b> 8" O.C.	#4 @10" O.C.	#5 <b>@</b> 8" O.C.	#5 <b>@</b> 8" O.C.		
12'-0" 10" 6'-6" 2'-10" 11" #6 @8" O.C. #4 @8" O.C. #6 @8" O.C. #5 @10" O.C.	12'-0"	10"	6'-6"	2'-10"	11"	#6 <b>@</b> 8" O.C.	#4 <b>@</b> 8" O.C.	#6 <b>@</b> 8" O.C.	#5 <b>@</b> 10" O.C.		

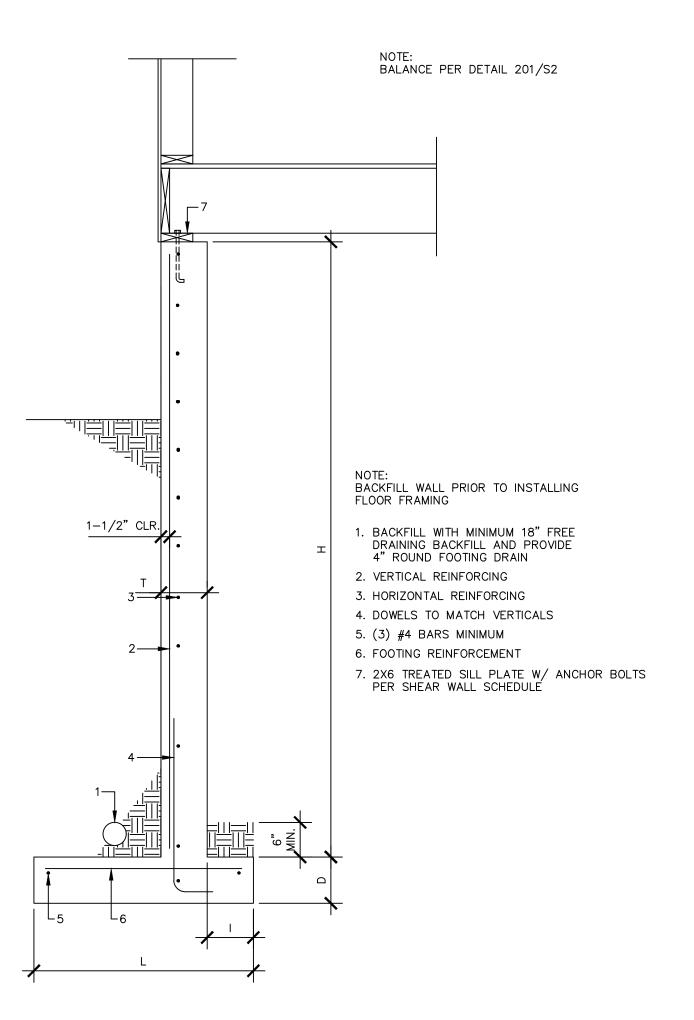
1. CONCRETE STRENGTH SHALL BE AT 2500 PSI @28 DAYS

2. REINFORCING BARS SHALL BE GRADE 40

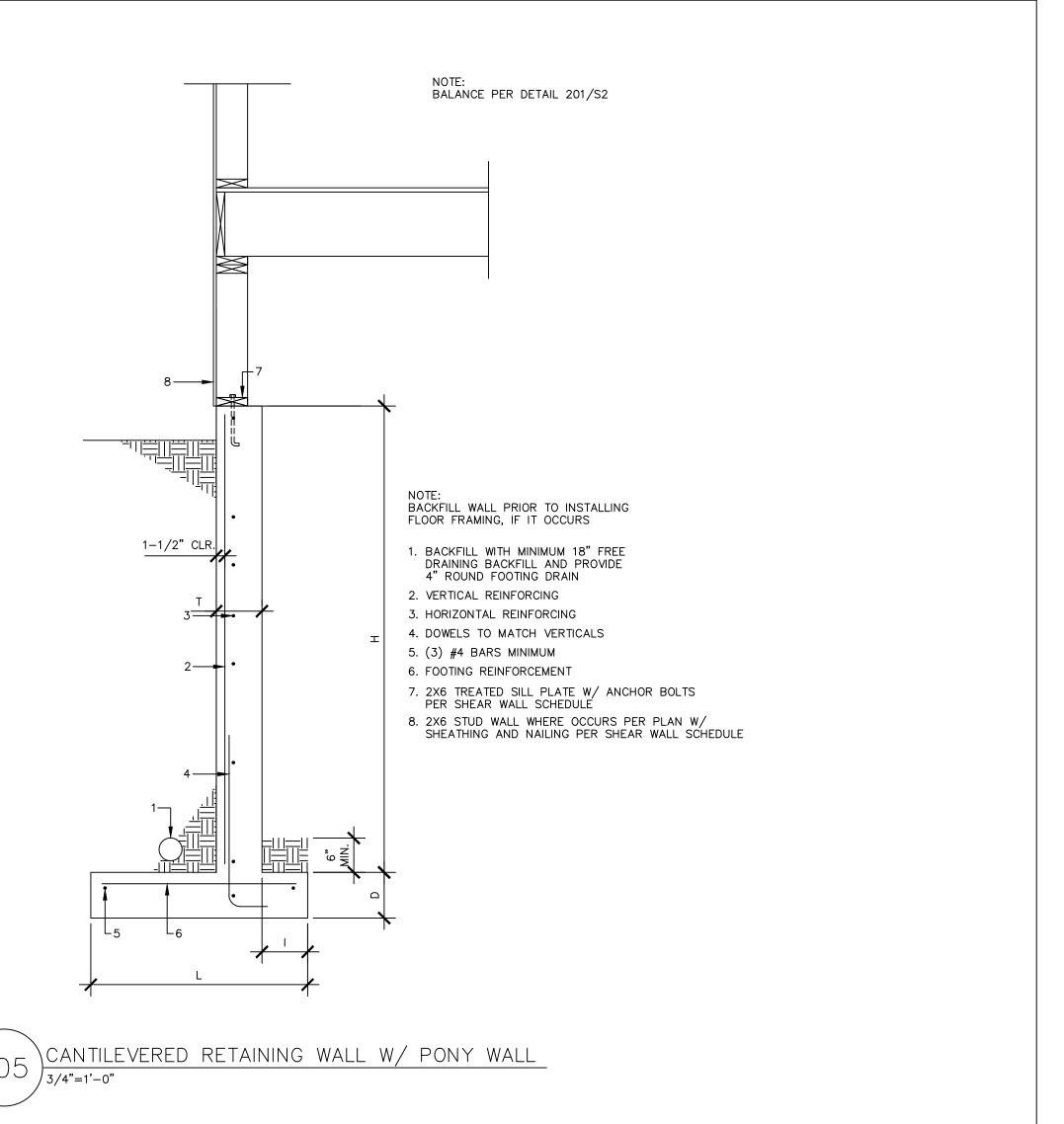
4. PASSIVE RESISTANCE = 300 PCF AND COEFFICIENT OF FRICTION = 0.35

5. PROVIDE FREE DRAINING GRANULAR BACKFILL FOR A MINIMUM OF 18" BEHIND RETAINING WALL

SHOULD BE PROVIDED WITH CLEANOUTS AS NECESSARY TO ALLOW PERIODIC INSPECTION AND MAINTENANCE OF DRAINS



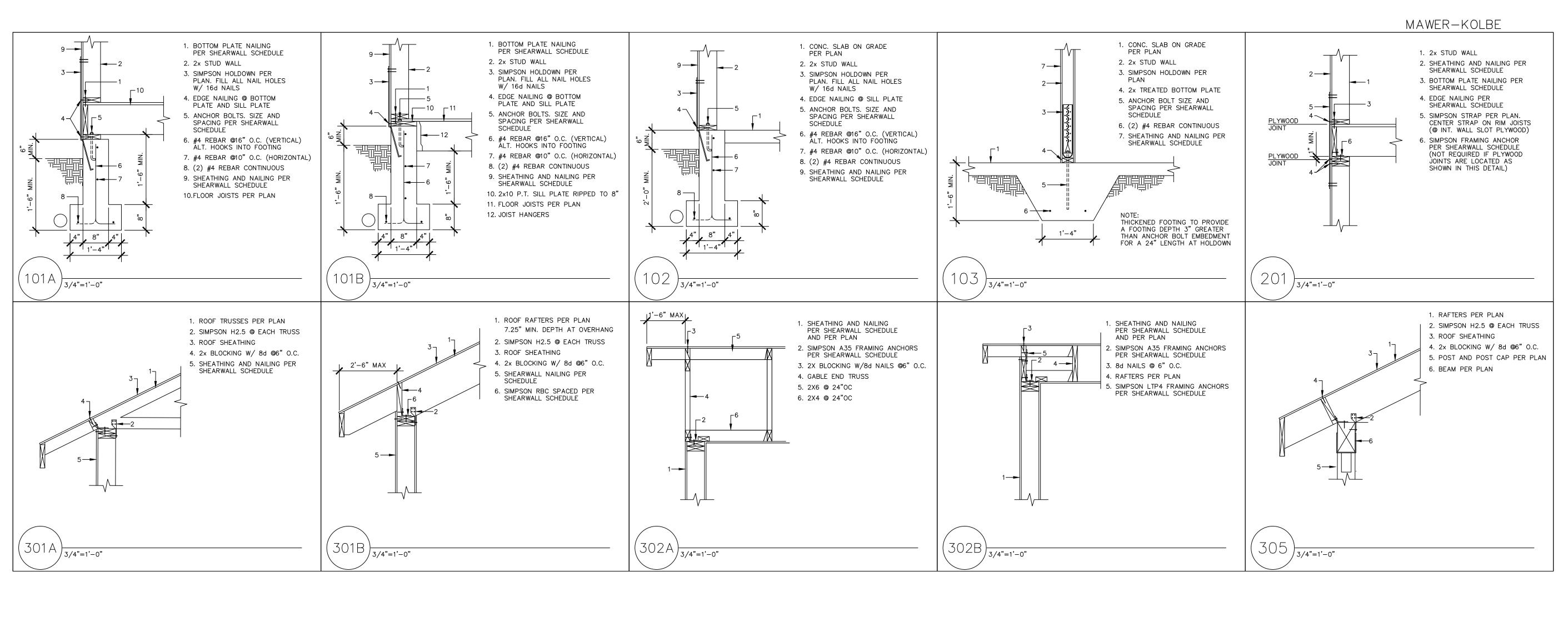
CANTILEVERED RETAINING WALL

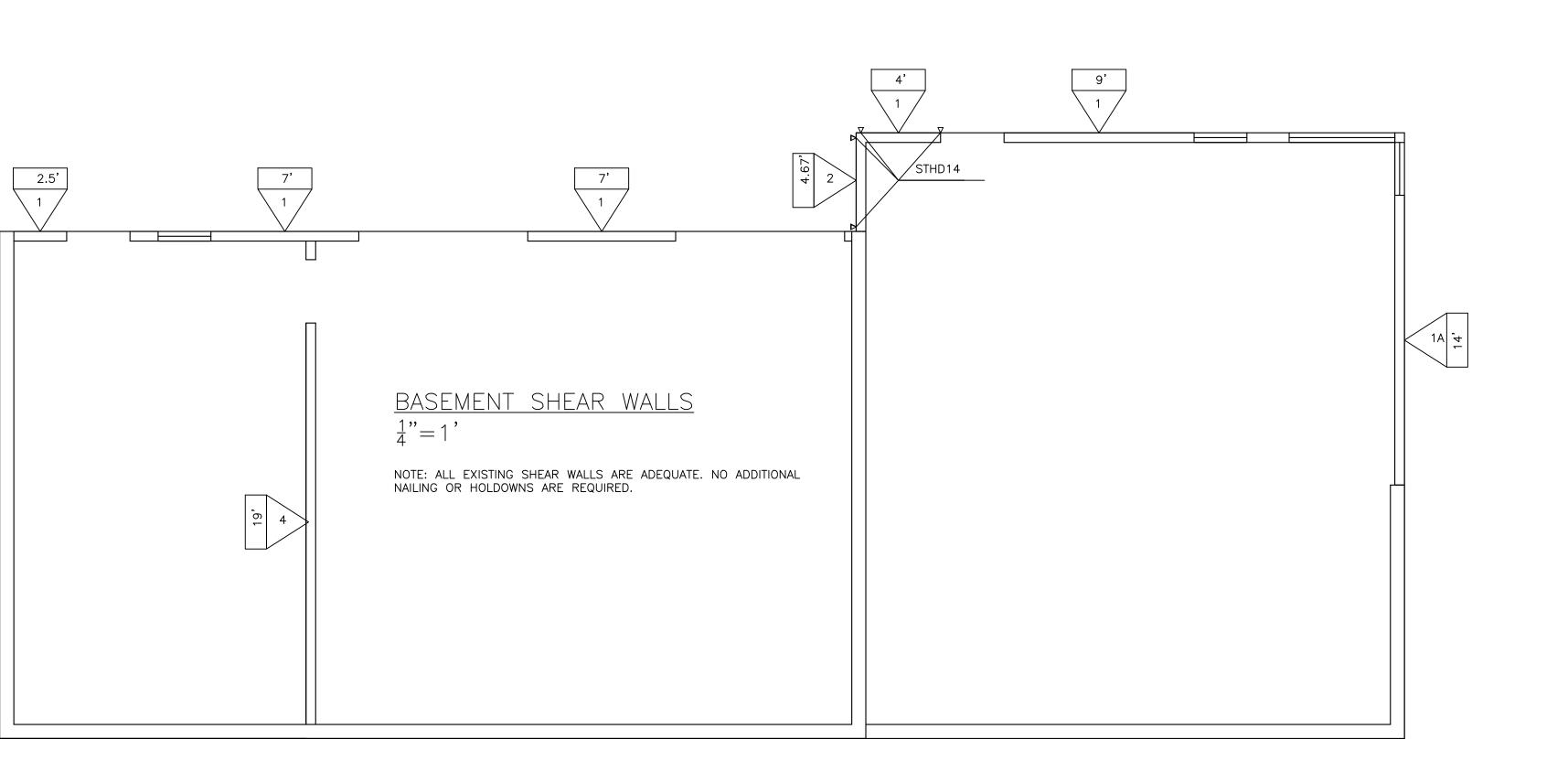




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PROJECT: MAWER/KOLBE 7001 82ND AVE SE, MERCER ISLAND,	STRUCTURAL NOTES & SCHEDULES
SCALE:	DATE:
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DRAWN BY:	SHEET NO.
MDT	
PROJECT NO. MAWER/ KOLBE	S1



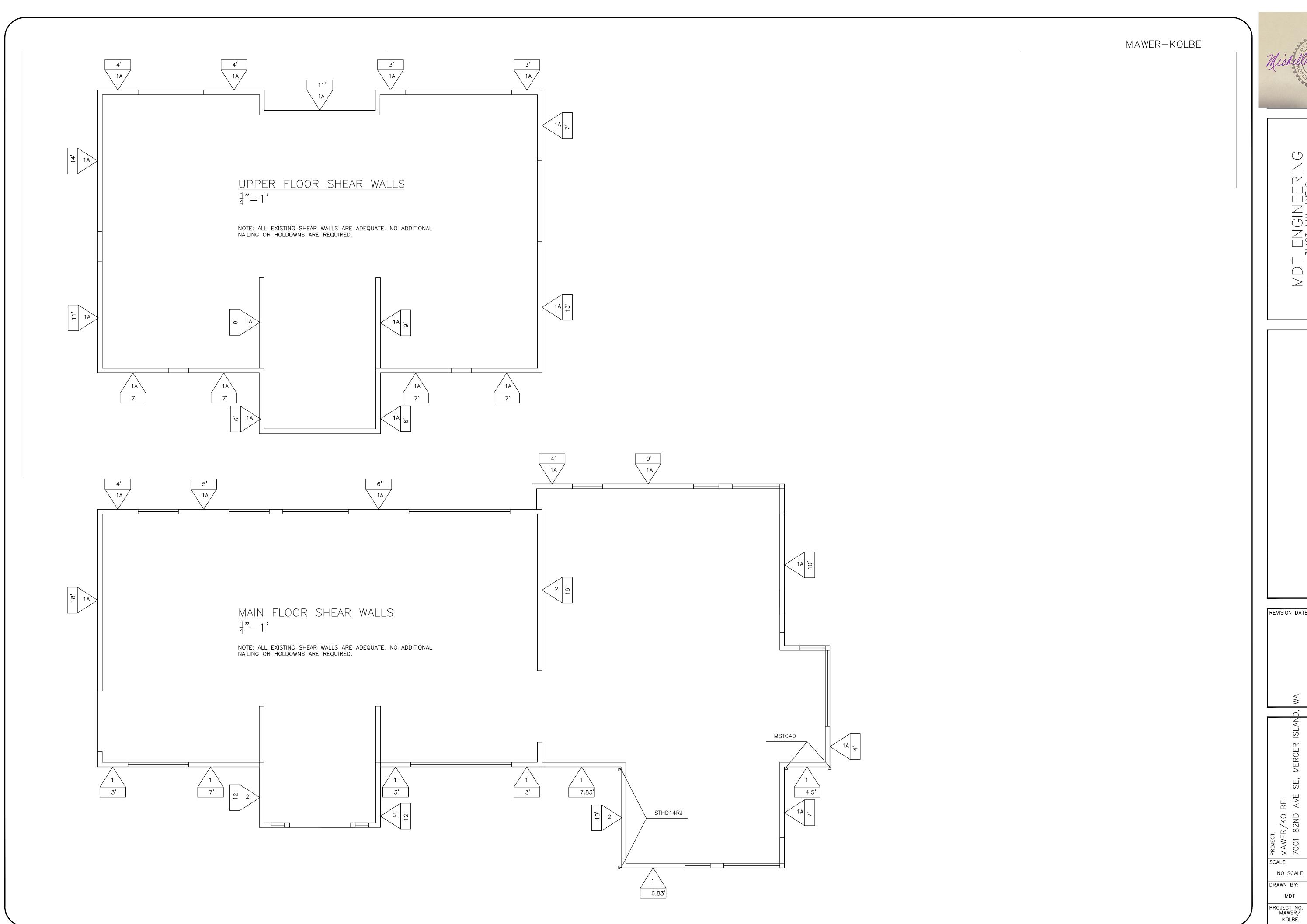




MDT ENGINEERING 31403 44th AVE S AUBURN, WA. 98001 PHONE: (253) 709-9852 EMAIL: md.thompson@earthlink.net

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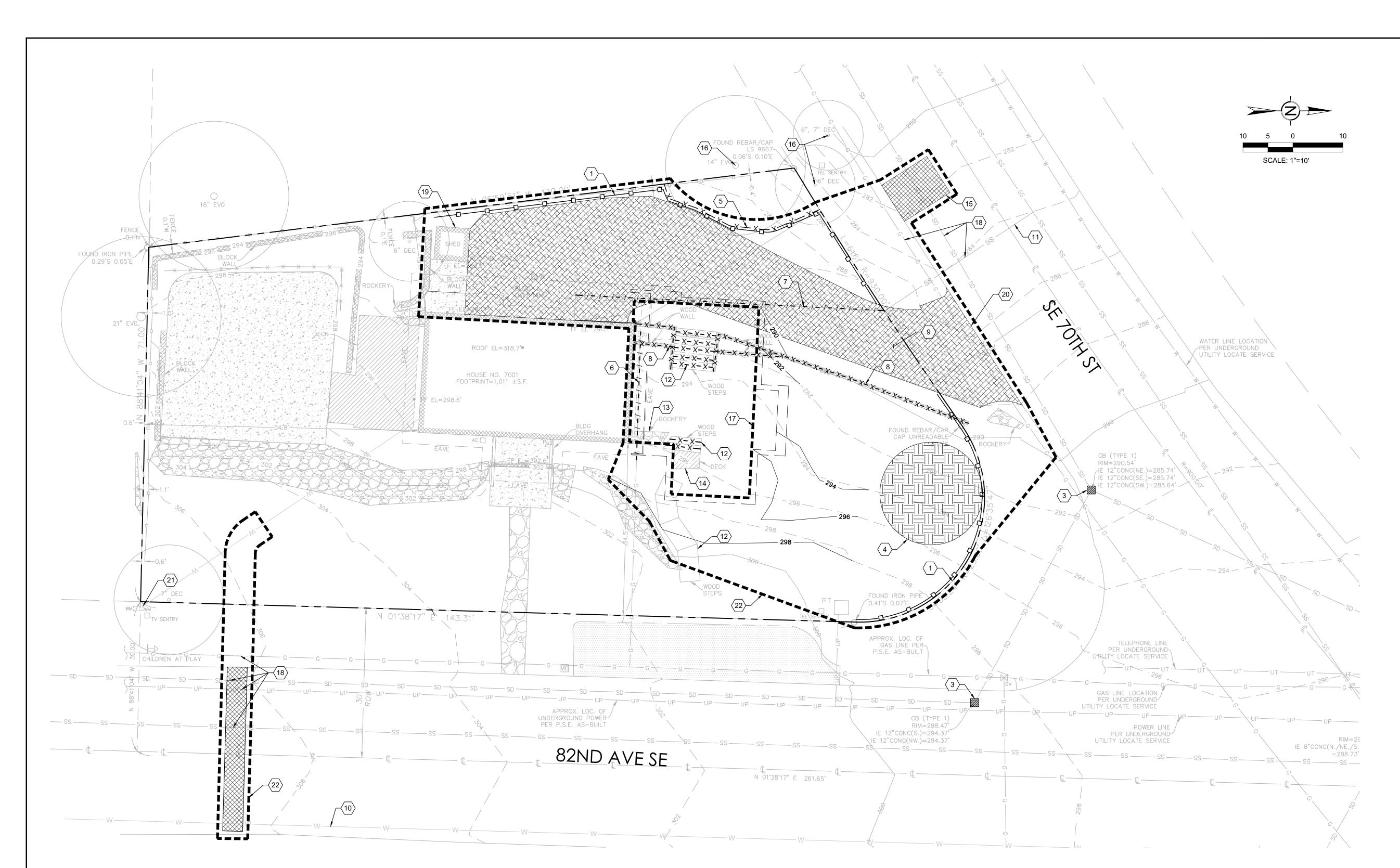
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PROJECT: MAWER/KOLBE 7001 82ND AVE SE, MERCER ISLAND, WA	SHEET TITLE: STRUCTURAL NOTES & SCHEDULES
SCALE:	DATE:
NO SCALE	8-23-21
DRAWN BY:	SHEET NO.
MDT	
PROJECT NO. MAWER/ KOLBE	S2





REVISION DATES:

NO SCALE SHEET NO.



# TESC NOTES

- SOILS ON ENTIRE SITE CONSIST OF ARENTS, ALDERWOOD MATERIAL (HSG B/D).
- PROVIDE STRAW OR PLASTIC COVER TO ANY EXPOSED SOILS THROUGHOUT CONSTRUCTION CYCLE.
- 3. ALL TREES ARE EXISTING AND ARE TO REMAIN.
- WORK RELATED TO FRANCHISE UTILITIES SHOWN IS NOT REVIEWED OR APPROVED BY THE CITY OF MERCER ISLAND.
- 5. SEE ADDITIONAL TESC NOTES ON SHEET A0.2.

# SHEET NOTES

- 1) SILT FENCE PER DETAIL C2 ON A0.2. LOCATE 1 FT MIN AWAY FROM FENCE.
- 2 RESTORE PAVEMENT TO MATCH EXISTING CONDITION.
- PROVIDE INLET PROTECTION PER DETAIL. PLACE ON ALL CATCH BASINS WITHIN 50 FT OF THE SITE.  $\frac{6}{\text{C-03}}$
- 4 TEMPORARY STOCK PILE PER DETAIL C1 ON A0.2.
- 5 TEMPORARY TREE PROTECTION FENCE PER DETAIL C3 ON A0.2.
- 6 REMOVE EXISTING GAS SERVICE LINE. RELOCATE METER PER UTILITY PLAN. COORDINATE WITH PUGET SOUND ENERGY.
- 7 REMOVE 62 LF OF EXISTING SANITARY SEWER SERVICE. MAINTAIN EXISTING SEWER STUB WITHIN ROW.
- $\langle 8 \rangle$  REMOVE EXISTING WOOD WALL.
- $\sqrt{9}$  REMOVE EXISTING PAVED DRIVEWAY.
- APPROXIMATE LOCATION OF EXISTING WATER MAIN (NOT SURVEYED).
- APPROXIMATE AS-BUILT LOCATION OF EXISTING SANITARY SEWER SERVICE LINE PER 1974 AS-BUILT (NOT SURVEYED).

REMOVE EXISTING WOOD STEPS.

REMOVE EXISTING ROCKERY.

REMOVE EXISTING DECK.

SAWCUT AND REMOVE EXISTING ASPHALT.

PROTECT EXISTING TREE TO REMAIN.

APPROXIMATE LIMIT OF NEW ADDITION.

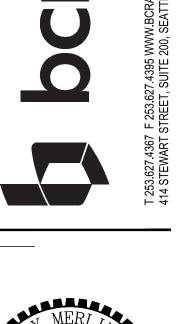
RELOCATE SHED PER ARCHITECTURAL SITE PLAN.

PROTECT EXISTING UNDERGROUND UTILITY TO REMAIN.

PROTECT EXISTING ASPHALT WEDGE CURB TO REMAIN.

REMOVE EXISTING WATER METER. EXISTING SERVICE TO 7001 SHALL BE CAPPED AND ABANDONED. MAINTAIN AND PROTECT EXISTING

WATER SERVICE TO 7019. LIMITS OF DISTURBANCE.





04/25/2022

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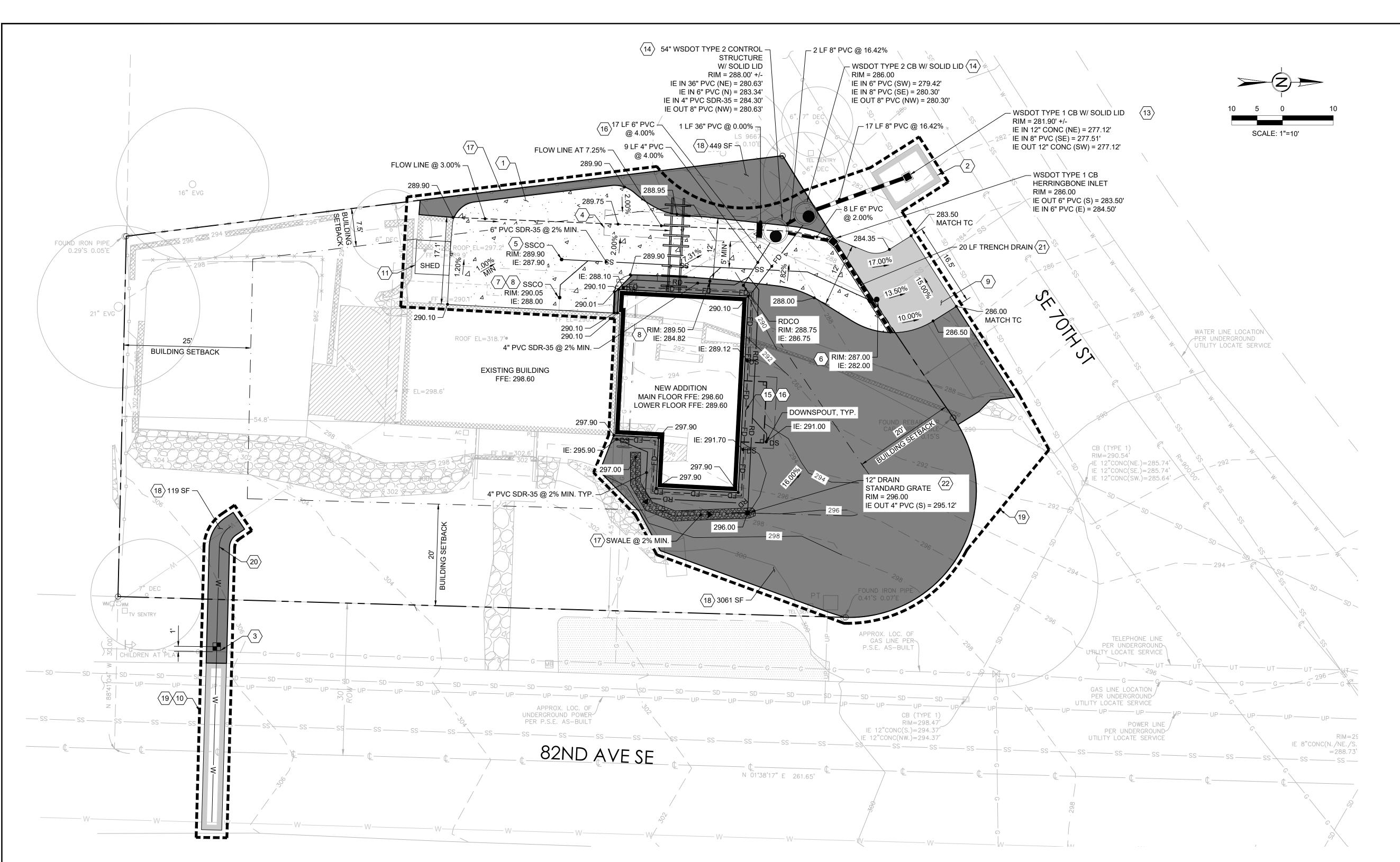
21119 DRAWN BY: KSS DESIGNED BY: KSS REVIEWED BY: ZMC

SHEET TITLE DEMOLITION AND

**EROSION CONTROL** 

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Know what's **below.**Call before you dig.



# **GENERAL NOTES**

- 1. THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.
- PROPOSED PLANTING AREAS SHALL RECEIVE TOPSOIL AMENDED WITH CEDAR GROVE FINE GRADE COMPOST OR OTHER COMPOST THAT MEETS WSDOT STANDARD SPEC 9-14.5(B) AT A RATE OF 0.01 CY PER SQUARE FOOT. SEE DETAIL FOR SOIL POST CONSTRUCTION SOIL QUALITY AND DEPTH SECTION.
- 3. PROVIDE A MINIMUM 2 INCH LIFT OF MULCH IN ALL PLANTING AREAS FOR EROSION CONTROL.
- 4. EXISTING ROOF AND FOOTING DRAINAGE MUST NOT CONNECT TO PROPOSED DETENTION SYSTEM.
- 5. TV INSPECTION OF EXISTING SIDE SEWER REQUIRED PRIOR TO SIDE SEWER CONSTRUCTION. IF RESULT OF TV INSPECTION IS NOT SATISFACTORY AS DETERMINED BY CITY OF MERCER ISLAND INSPECTOR, REPLACEMENT OF EXISTING SIDE SEWER IS REQUIRED.
- 6. SIDE SEWER SHOWN PER AS-BUILT DRAWINGS AND IS NOT SURVEYED. CONTRACTOR SHALL POTHOLE TO DETERMINE SEWER HORIZONTAL AND VERTICAL LOCATION PRIOR TO SEWER LINE CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCY TO THE DESIGN.

# SHEET NOTES

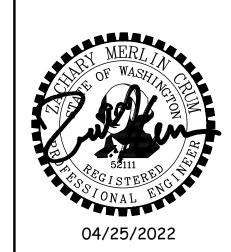
- 1 CEMENT CONCRETE DRIVEWAY PER DETAIL. CONTRACTOR SHALL 6 SPECIFY EXPANSION AND CONTRACTION JOINT LOCATIONS IN THE FIELD.
- 2 RESTORE ASPHALT PAVEMENT PER DETAIL.  $\frac{11}{(C-301)}$
- (3) INSTALL NEW WATER SERVICE AND METER 1' NORTH OF EXISTING GAS LINE PER CITY OF MERCER ISLAND STANDARD DETAILS W-13 AND W-18A. CONTRACTOR TO COORDINATE EXACT LOCATION OF NEW WATER METER WITH CITY OF MERCER ISLAND INSPECTOR (C-301) C-301) C-301
- 30 LF OF 60" DIAMETER CONTECH DUROMAXX DETENTION PIPE (8) C302)
- $\left\langle 5\right\rangle$  PROVIDE NEW SIDE SEWER CLEANOUT PER CITY OF MERCER ISLAND DETAIL.
- 6 CONNECT TO EXISTING SIDE SEWER PER CITY OF MERCER (4) (C-301) (C-301) (C-301)
- $\overline{7}$  CONNECT TO EXISTING SIDE SEWER AT BUILDING.
- 8 REPLACE EXISTING CLEANOUT WITH NEW SIDE SEWER CLEANOUT PER CITY OF MERCER ISLAND DETAIL.
- 9 NEW ASPHALT PAVEMENT. MATCH EXISTING SECTION IN ROW.

- RESTORE LANDSCAPING, GRAVEL AND ASPHALT TO MATCH EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- (11) RELOCATED SHED PER ARCHITECTURAL PLAN. FFE: 289.9
- SEWER POINT OF CONNECTION FOR NEW ADDITION. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- PROVIDE WSDOT TYPE 1 CATCH BASIN PER WSDOT STANDARD PLAN B-5.20-03.
- PROVIDE TYPE 2 CATCH BASIN PER WSDOT STANDARD PLAN B-10.20-02.
- $\langle 15 \rangle$  FOOTING DRAIN PER DETAIL.  $\frac{10}{(C.302)}$
- 4" PVC SDR-35 FOOTING DRAIN TIGHTLINE AT 2% MIN. SLOPE. CONNECT TO CB DOWNSTREAM OF CONTROL STRUCTURE.
- PROVIDE DRAINAGE SWALE WITH 2' MINIMUM WIDTH AND 4" DEPTH OF 1 1/2" WASHED DRAIN ROCK UNDERLAIN BY GEOTEXTILE FABRIC FOR SEPARATION.
- 3629 SF TOTAL PROPOSED PLANTING BED AREA. IMPLEMENT POST CONSTRUCTION SOIL QUALITY PER GENERAL NOTE 2.
- $\langle 19 \rangle$  LIMIT OF DISTURBANCE.

- (20) INSTALL 1" PE WATER SERVICE LINE FROM METER TO POINT OF CONNECTION AT EXISTING SERVICE LINE.
- 6" WIDE TRENCH DRAIN CAST IN CONCRETE PER
  MANUFACTURER'S RECOMMENDATIONS. ADD EXPANSION JOINT
  AT MID-POINT OF DRIVEWAY. TRENCH CHANNEL SHALL BE
  SLOPED AT MINIMUM 0.5% TOWARD CONNECTION AT CB PER
  PLAN. PROVIDE ACO KLASSIKDRAIN K100 OR SIMILAR.
- 22 PROVIDE NDS 12" DRAIN PER DETAIL.  $\frac{13}{C-302}$







KOLBE RESIDENCE
7001 82ND AVE SE
MERCER ISLAND, WA 98040

DATE

04.25.2022

BCRA NO.

21119

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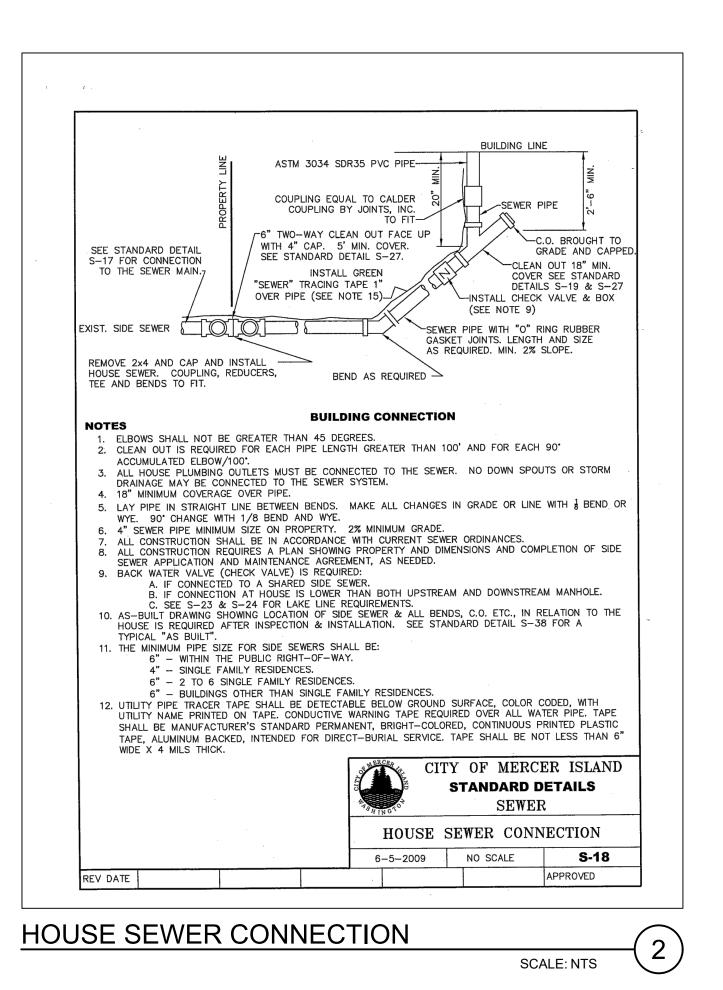
REVIEWED BY: ZMC

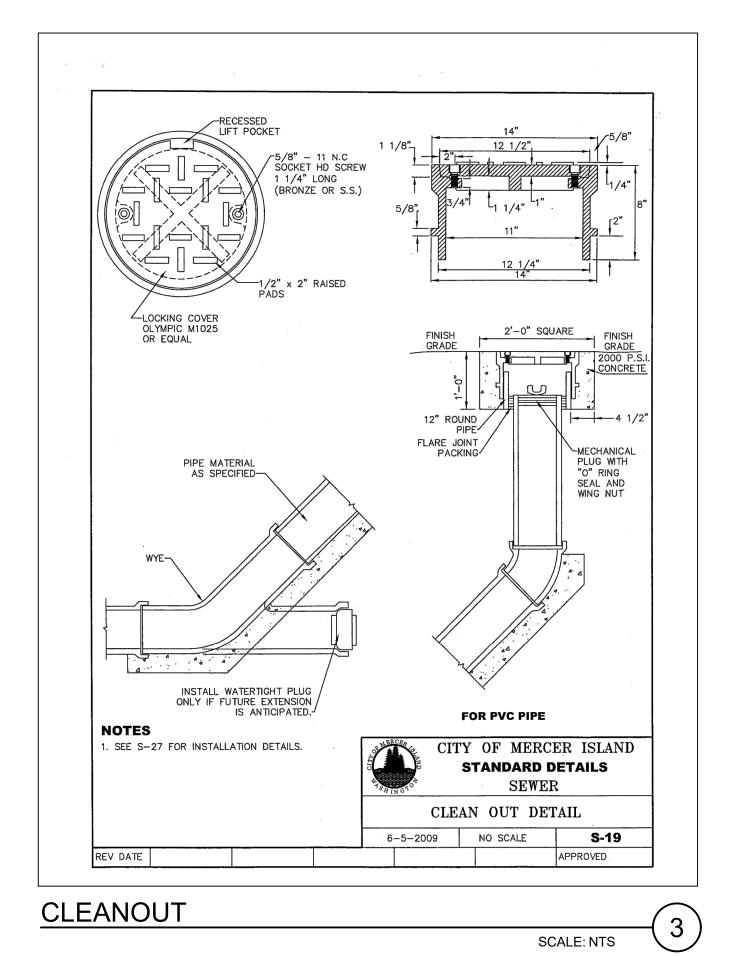
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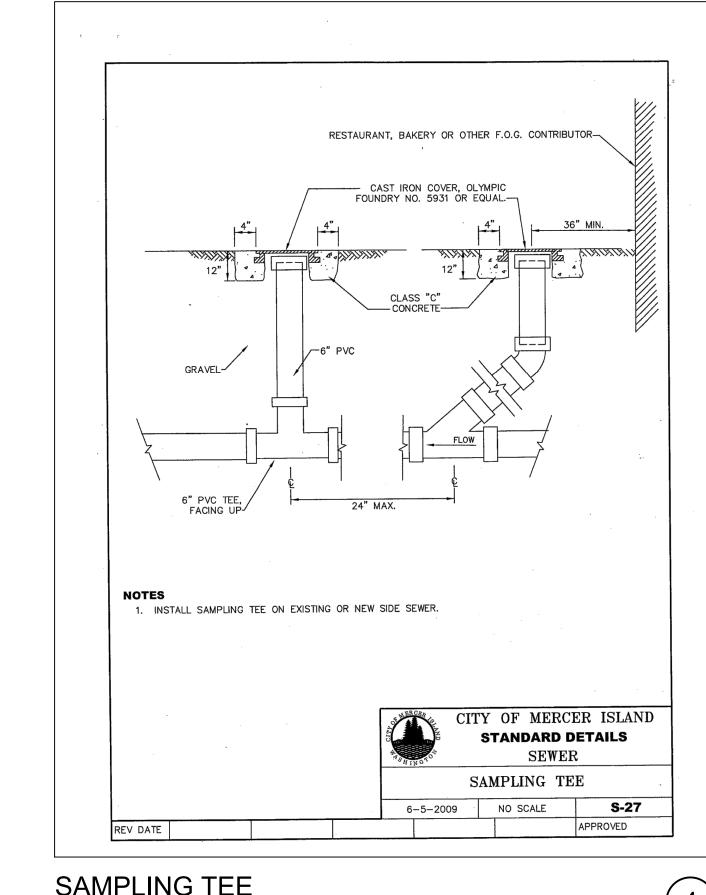
GRADING DRAINAGE
AND UTILITIES
PLAN

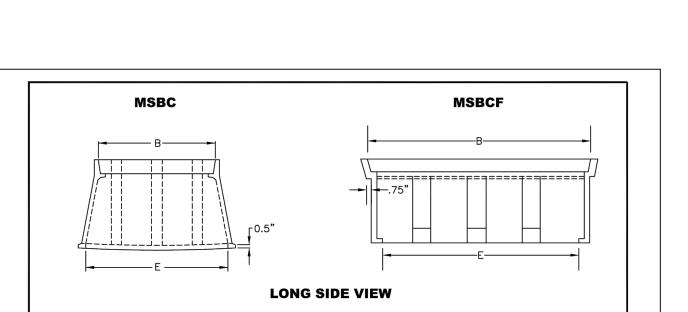
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C-201









**SHORT SIDE VIEW** 

**TOP VIEW** 

A B C D

MSBC1730-18 17.625" 30.5" 18" 22.875" 35"

13.75" | 23.1875" | 12" | 12.125" | 24.5"

12-23-2013 NO SCALE

WATER SERVICE SIZE PART NO.

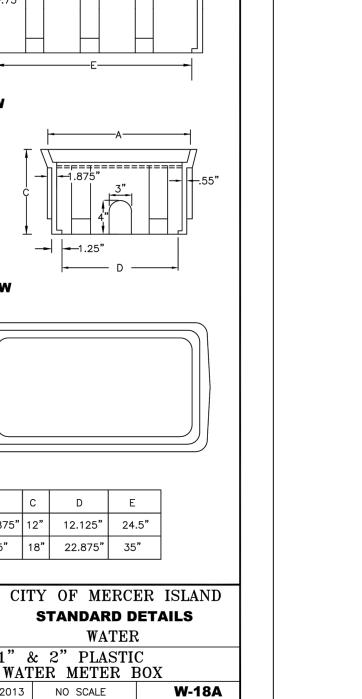
. METER BOX SHALL BE MID—STATES PLASTICS AS SHOWN, WITH A DUCTILE IRON LID WITH A FLIP OR HINGED INSPECTION LID TO INCLUDE A 3/4" PICK HOLE.

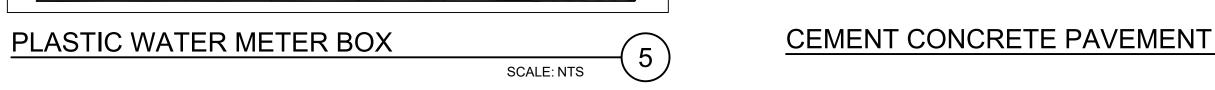
2. PLASTIC WATER METER BOXES SHALL NOT BE

INSTALLED WITHIN A DRIVING OR PARKING AREA.

SCALE: NTS

WATER METER INSTALLATION





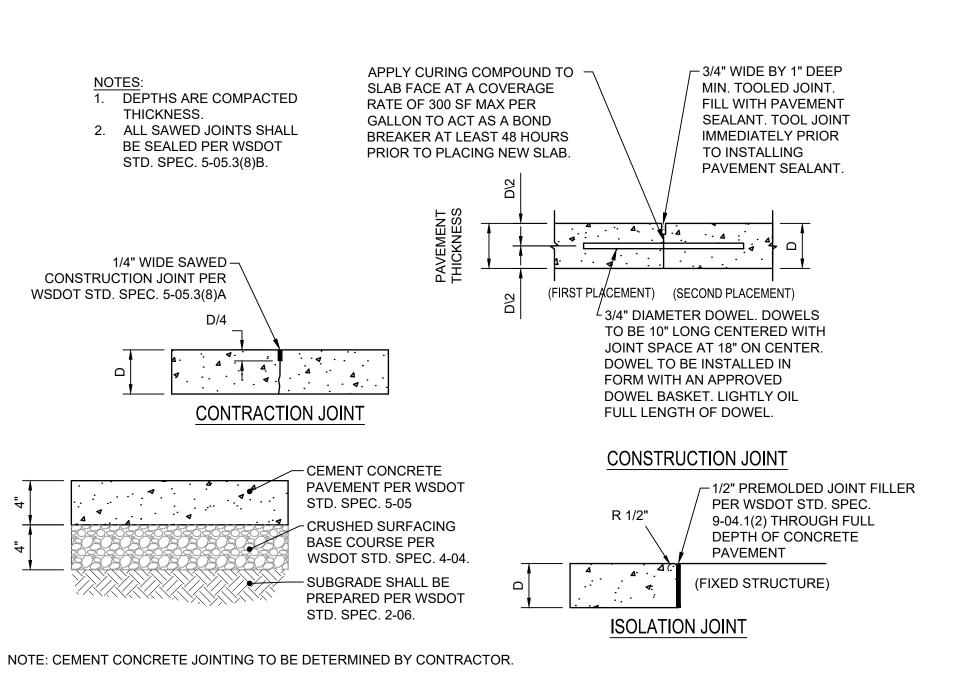
WATER

APPROVED

& 2" PLASTIC

WATER METER BOX

<del>---</del>1.25"



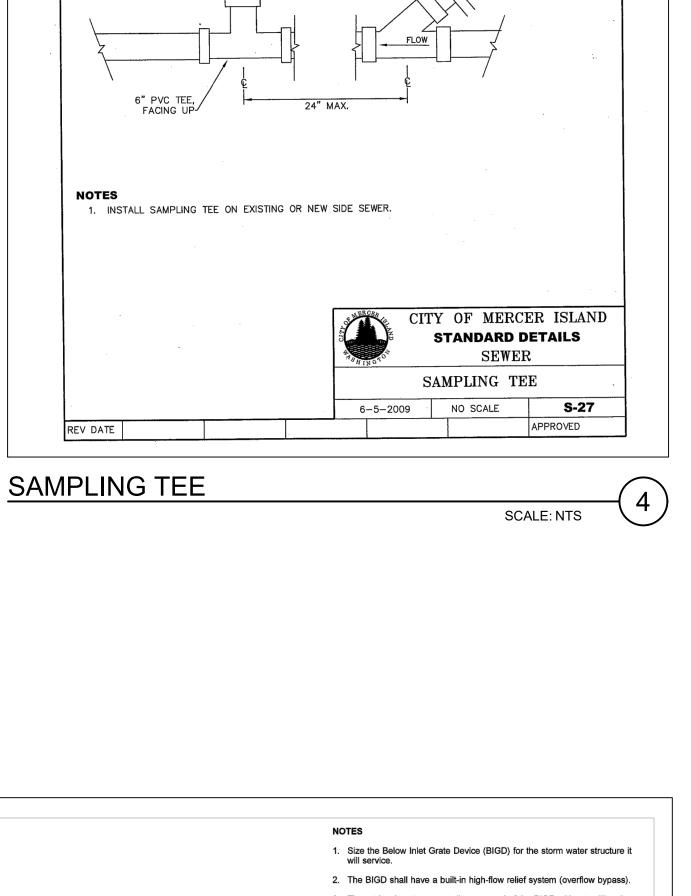
SCALE: NTS

	<ol> <li>The BIGD shall have a built-in high-flow relief system (overflow bypass).</li> <li>The retrieval system must allow removal of the BIGD without spilling the collected material.</li> <li>Perform maintenance in accordance with Standard Specification 8-01.3(15).</li> </ol>
SECTION VIEW NOT TO SCALE	DRAINAGE GRATE  RECTANGULAR ORATE DEVICE  OVERFLOW BYPASS (TYP.)  STATE OF WASHINGTON WA

STORM DRAIN INLET PROTECTION

SCALE: NTS

IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

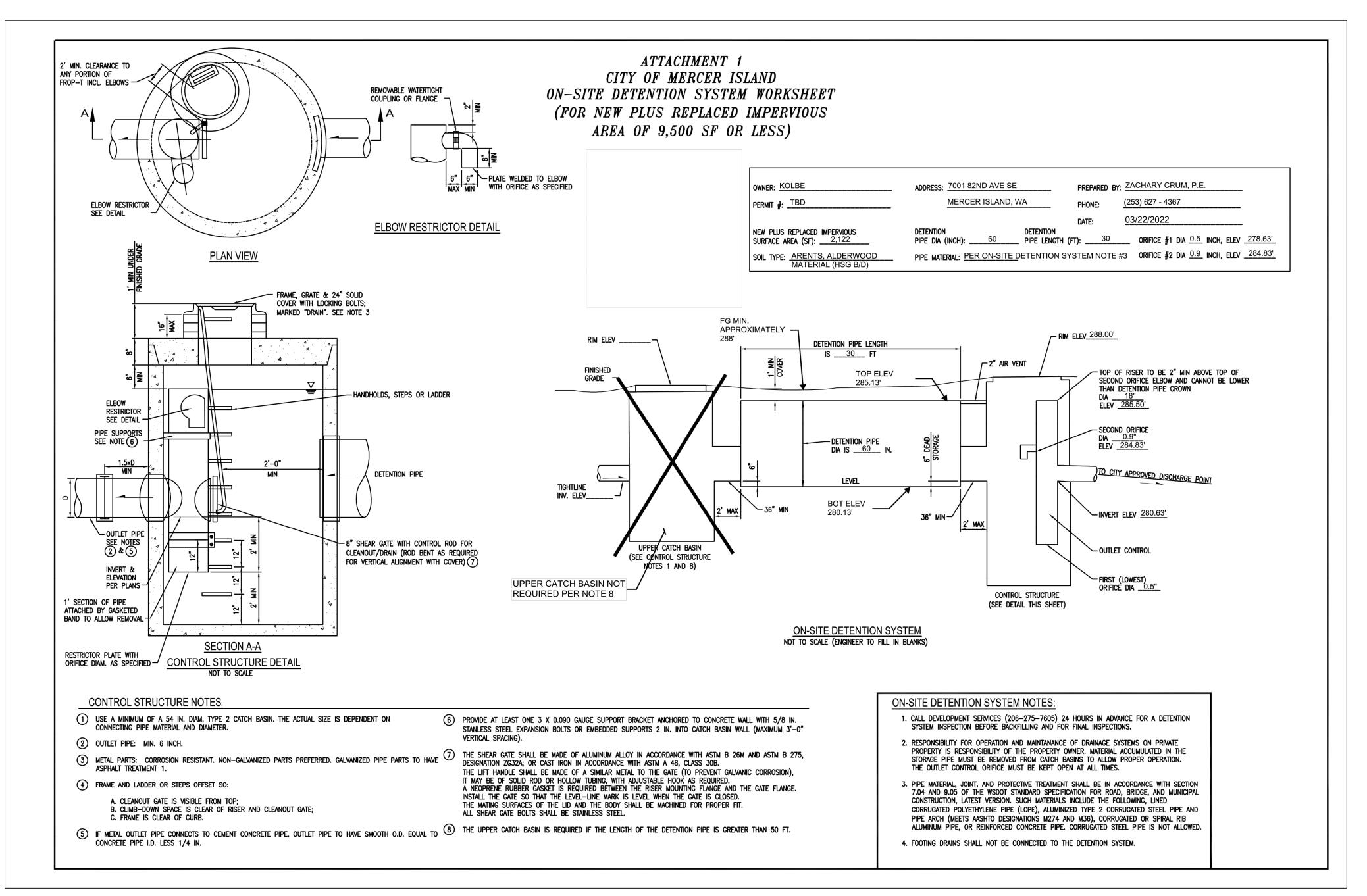


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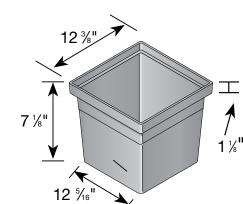
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# ON-SITE DETENTION SYSTEM DETAIL

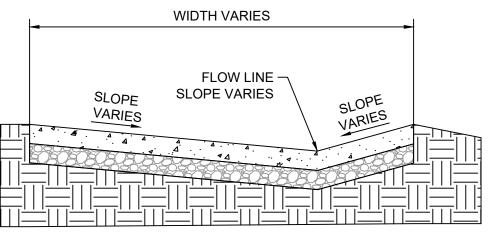
12" x 12" Catch Basin Kit 4 7.59 10ND 12" x 12" Tapered Catch 1200BLKIT Black Grate Basin. Polypropylene. **1200GRKIT** 12" x 12" Catch Basin Kit 7.59 Green Grate Kits include 2-opening 12" x 12" Catch Basin Kits in Display Box Blk/Grn Grates Catch Basin, Grate, Screws, 2 Outlets and 12" x 12" Catch Basin, 2 Openings Black 4.25 12" x 12" Catch Basin, 3 Openings 3.75 Black 10ND DISP includes 4 kits with 3.75 12" x 12" Catch Basin, 4 Openings Black black grates and 4 green Requires either #1206, #1242, #1243, #1245, #1266 or #1889 Universal Outlet to connect pipe to basin (see page 35). Bottom cutout can be removed.



<u> </u>	Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class	Specifications
⅓ <sup>II</sup>	1216	12" x 12" Catch Basin Riser	Black	8	2.75	10ND	6" Riser for 12" Catch
		Use with 12" x 12" Catch Basin Series. Stacks on top of 12" catch basins to add up to 6" t	Basin. Styrene.				

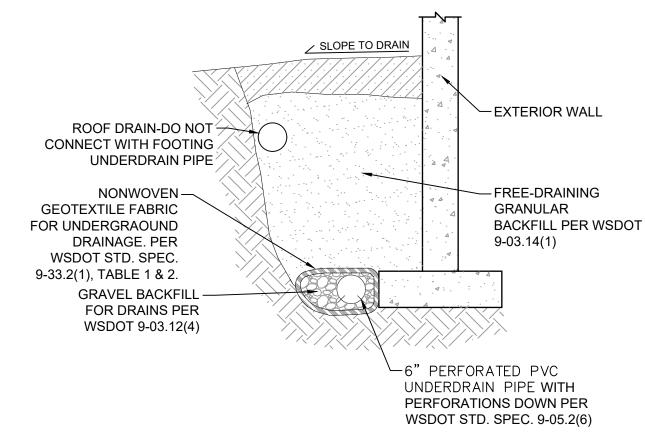
NDS CATCH BASIN

SCALE: NTS



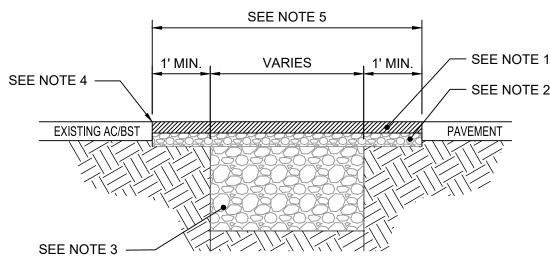
DRIVEWAY FLOW LINE SECTION

SCALE: NTS



FOOTING AND ROOF DRAIN SECTION

SCALE: NTS



2" MULCH PER WSDOT

8" TOPSOIL AMENDED WITH FINE COMPOST PER WSDOT STD SPEC 9-14.5(B)

PROVIDE CEDAR GROVE OR

STD SPEC 9-14.5

**EQUIVALENT** 

SCALE: NTS

- 1. ASPHALT CONCRETE PAVEMENT CONFORMING TO PG 58-22 PER WSDOT 5-04. AGGREGATE GRADATION CONFORMING TO THE CONTROL POINTS FOR 1/2-INCH MIX AS PRESENTED UNDER HMA PROPORTIONS OF MATERIALS PER WSDOT 9-03.8(6). HMA 1/2", WITH A MINIMUM COMPACTED DEPTH PER PAVEMENT SECTION SPECIFICATION ON PAVING PLAN PLUS 1". PLACE IN LIFTS WITH A MAXIMUM COMPACTED DEPTH OF 3" AND MACHINE ROLL FLUSH WITH EXISTING PAVEMENT.
- 2. CRUSHED SURFACING TOP COURSE CONFORMING TO WSDOT 9-03.9(3).
- 3. BACKFILL MATERIAL SHALL BE PLACED IN 4" MAXIMUM LOOSE LIFTS IF COMPACTED WITH HAND OPERATED EQUIPMENT OR 10" MAXIMUM LOOSE LIFTS IF COMPACTED WITH HEAVY EQUIPMENT AND COMPACTED TO 95% MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST (ASTM D-1557). REFER TO TRENCH SECTIONS AND SPECIFICATIONS FOR BACKFILL MATERIAL.
- 4. NEAT, UNIFORM VERTICAL CUT (TYPICAL BOTH SIDES). CLEAN AND NEAT EDGES AND TACK WITH EMULSIFIED ASPHALT. SEAL JOINT WITH HOT ASPHALT CEMENT.
- 5. ALL PERMANENT FINAL PATCHES SHALL BE RECTANGULAR OR CIRCULAR IN SHAPE

HMA RESTORATION

SCALE: NTS

- SCARIFY AND RECOMPACT SUBBASE TO MINIMUM 90% DRY DENSITY

NOTE: CONTRACTOR SHALL AMEND STOCKPILED TOP SOILS WITH COMPOST PER DETAIL AND PLACE IN ALL DISTURBED LANDSCAPE AREAS.

POST CONSTRUCTION SOIL QUALITY & DEPTH SECTION

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04.25.2022

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REVIEWED BY: ZMC

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SHEET TITLE

DETAILS