LEGAL DESCRIPTION

NE-19-24-05
TAX PARCELL # 143870-0150
LOT # 15
DIV. # CAY HILLS ADD.
9419 SE 54th ST
MERCER ISLAND, WA 98040
KING COUNTY
ZONED R-15

LOT COVERAGE BY STRUCTURE

<u>AREA SUMMARY:</u>

PROPOSED BLDG FOOTPRINT

TOTAL HOUSE = 2,436 SQ. FT.

EXISTING LOT SQUARE FOOTAGE

TOTAL = 19,817 SQ. FT.

2,436 / 19,817 = 12.29 %

IMPERVIOUS SURFACES

AREA SUMMARY:

BUILDING & ROOF OVERHANGS GREATER THAN 18"

TOTAL HOUSE = 2,436 SQ. FT.

IMPERV. PATIO/DRIVEWAY/WALKS

TOTAL = 961 SQ. FT.

EXISTING ACCESS EASEMENT SURFACE

TOTAL = N/A SQ. FT.

TOTAL ALL IMPERVIOUS SURF.

TOTAL (ALL) = 3,397 SQ. FT.

= 19,817 SQ. FT.

3,397 / 19,817 = 17.14 %

EXISTING LOT SQUARE FOOTAGE

CAY HILLS ADD & UND INT IN PRIVATE RD PLat Block: Plat Lot: 15

THIS RESIDNECE IS DESIGNED PER THE:

1. 2018 INTERNATIONAL RESIDENTIAL CODE 2. 2018 INTERNATIONALN ENERGY CONSERVATION CODE of the STATE of WASHIGNTON

3. 2018 INTERNATIONAL MECHANICAL CODE

4. 2018 INTERNATIONAL PLUMBING CODE

BUILDING AREA SUMMARY: MAIN FLOOR AREA = 2,235 S.F. UPPER FLOOR AREA = 2,331 S.F. BASEMENT FLR AREA = 2,186 S.F. TOTAL LIVING AREA = 6,852 S.F. GARAGE AREA = 727 S.F. *COVR'D PORCH / PATIO & GAZEEBO \$68 *S.F. SUN PATIO = 455 S.F. DRIVEWAY AREA = 1,648 S.F.

MAX COVERAGE BY STRUCTURE = 6,935.9 S.F.

* BSMNT PATIO = 58 SFT / PORCH = 50 SQ FT / GARAGE PATIO = 40 SQ FT

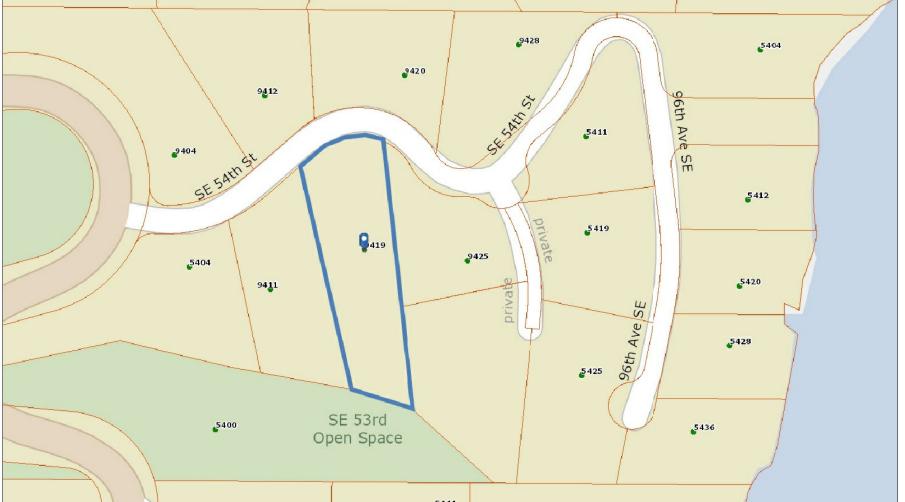
98MN1 PATIO = 30 9F1 / PORCH = 30 9Q F1 / GARAGE PATIO = 40 9Q 9REAT ROOM PATIO = 280 SFT / GAZEBO DECK = 140 SQ FT

TOTAL LOT AREA =	19,817 S.F.
TOTAL FLOOR AREA =	5,488 S.F.
5,488 S.F. / 19,817 S.F. F.A.R.= 27.7%	= 0.2769

LOT COVERAGE BY STRUCTURE = 5,750

FIRE SPRINKLERS REQUIRED





RESIDENTIAL DESIGN CONSULTANT:
MDB RESIDENTIAL DESIGN ASSOCIATES / MARK D BATSON
8801 SAINT THOMAS DRIVE #25
PASCO, WA 99301
425-830-6713

STRUCTURAL ENGINEER OF RECORD: CK ENGINEERING / PASKO KESOVIJA P.E. 19229 38th PL NE LAKE FOREST PARK, WA 98155 206-417-0670

CIVIL ENGINEER: CORE DESIGN / MICHAEL A. MOODY PE 12100 NE 195th St BOTHELL, WA 98011 425-885-7877

GEOTECHNICAL CONSULTANT:
ASSOCIATED EARTH SCIENCES / STEPHEN A. SIEBERT P.E.
911 5th AVE
KIRKLAND, WA 98033
425-827-7701

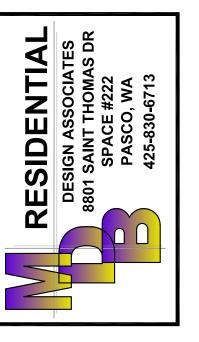
ARBORIST:
SHOFFNER CONSULTING / TONY SHOFFNER ISA CERIFIED ARBORIST
1015 10th ST
MUKILTEO, WA 98275
206-755-9407

BIOLOGIST:
MARK HECKERT / BEAVER CREEK ENVIRONMENTAL SERVICES
P.O. BOX 731695
PUYALLUP WA 98373

- 1. A1 INDEX
- 2. SURVEY
- 3. A2 ARCHITECTURAL SITE PLAN

235-732-6515

- 4. A3 BUILDABLE PAD SITE PLAN
- 5. C1.01 CIVIL COVER SHEET SITE PLAN SHT 1 of 6
- 6. C1.02 CIVIL SURVEY SHT 2 of 6
- . C1.03 CIVIL BMP NOTES SHT 3 of 6
- 3. C2.01 CIVIL EROSION CONTROL PLAN SHT 4 of 6
- C4.01 CIVIL STORM, UTILITIES, GRADING PLAN AND NOTES SHT 5 of 6
- 10. C4.31 CIVIL STORM & UTILITY DETAILS SHT 6 of 6
- 11. A3 ARCH FOUNDATION PLAN w/ STRUCTURAL SHT 1 of 11
- 12. A4 ARCH BASEMENT FLOOR PLAN w/ STRUCTURAL SHT 2 of 11
- 13. A5 ARCH MAIN FLR FRAMING w/ STRUCTURAL SHT 3 of 11
- 14. A6 ARCH MAIN FLOOR PLAN SHT 4 of 11
- 15. A7 ARCH UPPER FLR FRAMING PLAN w/ STRUCTURAL SHT 5 of 11
- 16. A8 ARCH UPPER FLOOR PLAN w/ STRUCTURAL SHT 6 of 11
- 17. A9 ARCH ROOF TRUSS LAYOUT PLAN w/ STRUCTURAL SHT 7 of 11
- 18. A10 ARCH EXTERIOR VIEWS FRONT (SOUTH) & LEFT (WEST) SHT 8 of 11
- 19. A11 ARCH EXTERIOR VIEWS BACK (NORTH) & RIGHT (EAST) SHT 9 of 11
- 20. A12 ARCH SECTION CUT VIEWS SHT 10 of 11
- 21. A13 ARCH TYPICAL CONSTRUCTION DETAILS SHT 11 of 11
- 22. A14 2018 WASHINGTON STATE ENERGY CODE COMPLIANCE FORMS
- 23. S1.0 STRUCTURAL ENGINEER'S NOTES AND SHEAR WALL SCHEDULE SHT 1 of 5
- 24. S2.0 STRUCTURAL ENGINEER'S FOUNDATION DETAILS SHT 2 of 5
- 25. S2.1 STRUCTURAL ENGINEER'S FLOOR TRUSS & WALL DETAILS SHT 3 of 5
- 26. S3.0 STRUCTURAL ENGINEER'S FLOOR TRUSS & WALL DETAILS SHT 4 of 5
- 27. S4.0 STRUCTURAL ENGINEER'S WALL & ROOF TRUSS DETAILS SHT 5 of 5



This drawing is copyrighted and is to be used solely for the construction of the subject project by the persons named hereon. No other use of the drawing shall be permitted without the written consent of MDB Residential Design Associates Written dimensions shall take precedence over all scaled dimensions. Contractor shall verify all dimensions, conditions, etc. pertaining to the work before proceeding. This office must be notified of any variations from the dimensions and/or conditions shown on these drawings. Any such variation shall be resolved by this office prior to proceeding with the work, or the contractor shall accept full responsibility for cost to rectify same. MDB Residential Design Associates Reserves all rights to the copyrighted material contained Here in and as set forth by written agreement with said clients. MDB Residential Design Associates also reserves the right to revoke license or use of said plans for nonpayment or past due amounts owing.



FILE NO: 22-002



LEGAL DESCRIPTION

(PER STATUTORY WARRANTY DEED RECORDING# 20220504001275)

LOT 15, CAY HILLS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 70 OF PLATS, PAGES 95 AND 96, RECORDS OF KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARINGS

ACCEPTED A BEARING OF N 51°40'27" W, BETWEEN IRON PIPES FOUND AND SHOWN HEREON AS CALCULATED PER PLAT.

REFERENCES

R1. CAY HILLS, VOL. 70, OF PLATS, PGS. 95 & 96, RECORDS OF KING COUNTY, WASHINGTON.

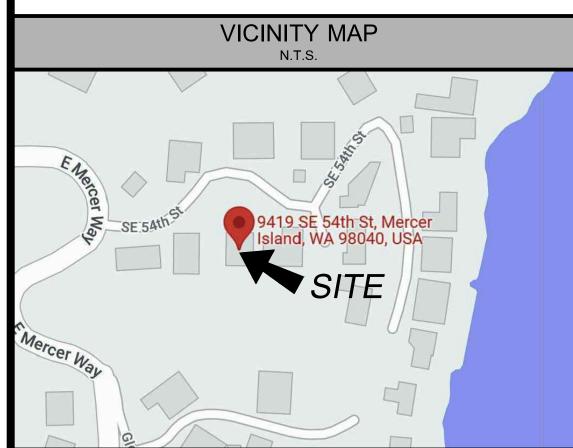
VERTICAL DATUM

NAVD 88 PER GPS OBSERVATIONS

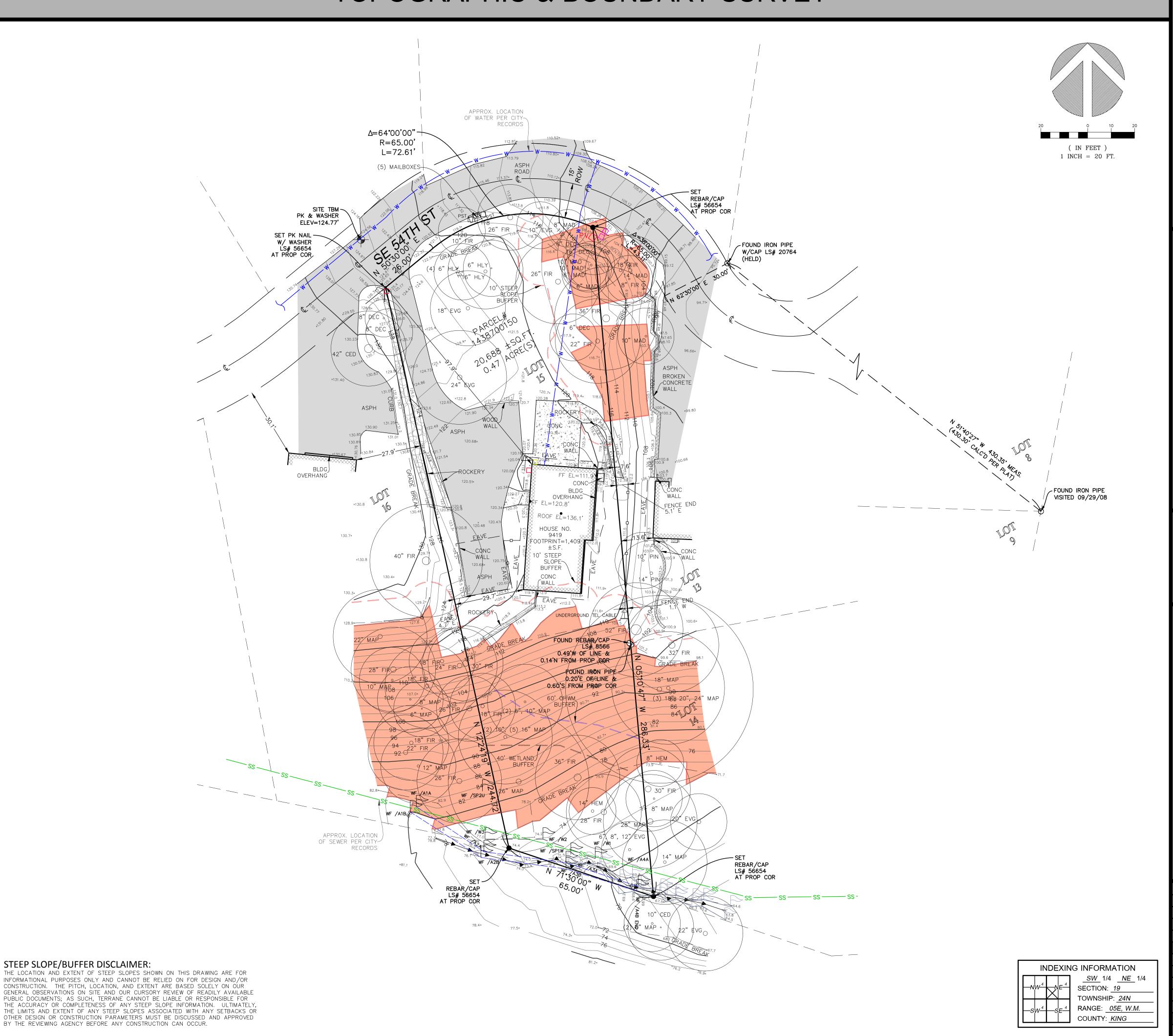
SURVEYOR'S NOTES

- 1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN JUNE OF 2022. 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. 143870-0150.
- 5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 20,688 ±S.F. (0.47 ACRES)
- 6. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
- 7. EXISTING STRUCTURE(S) LOCATION AND DIMENSIONS ARE MEASURED FROM THE FACE OF THE SIDING UNLESS OTHERWISE
- 8. 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 ASPHALT SURFACE PH POWER HAND HOLE P POWER METER PV POWER VAULT REBAR & CAP (SET) CONCRETE SURFACE RETAINING WALL ROCKERY ⊣> SIGN (AS NOTED) → DITCH (FLOWLINE) TEL SENTRY TELEPHONE SENTRY FENCE LINE (WOOD) SIZE TYPE (o) TREE (AS NOTED) WETLAND FLAGS 2023 REBAR AS NOTED (FOUND) WETLAND FLAGS 2022 STEEP SLOPE BUFFER STEEP SLOPE AREA - WETLAND BUFFER - OHWM BUFFER ____ OHWM



TOPOGRAPHIC & BOUNDARY SURVEY



asure | terrane.

We are the measure | tel

1438700150 MES NW

ELITE HOMES
9419 SE 54TH S

ER. 1000MAA.

TER. 1000 MAA.

- Reet, Suite 102

JOB NUMBER: 160118

DATE: 06/17/22

DRAFTED BY: IDV/GKD

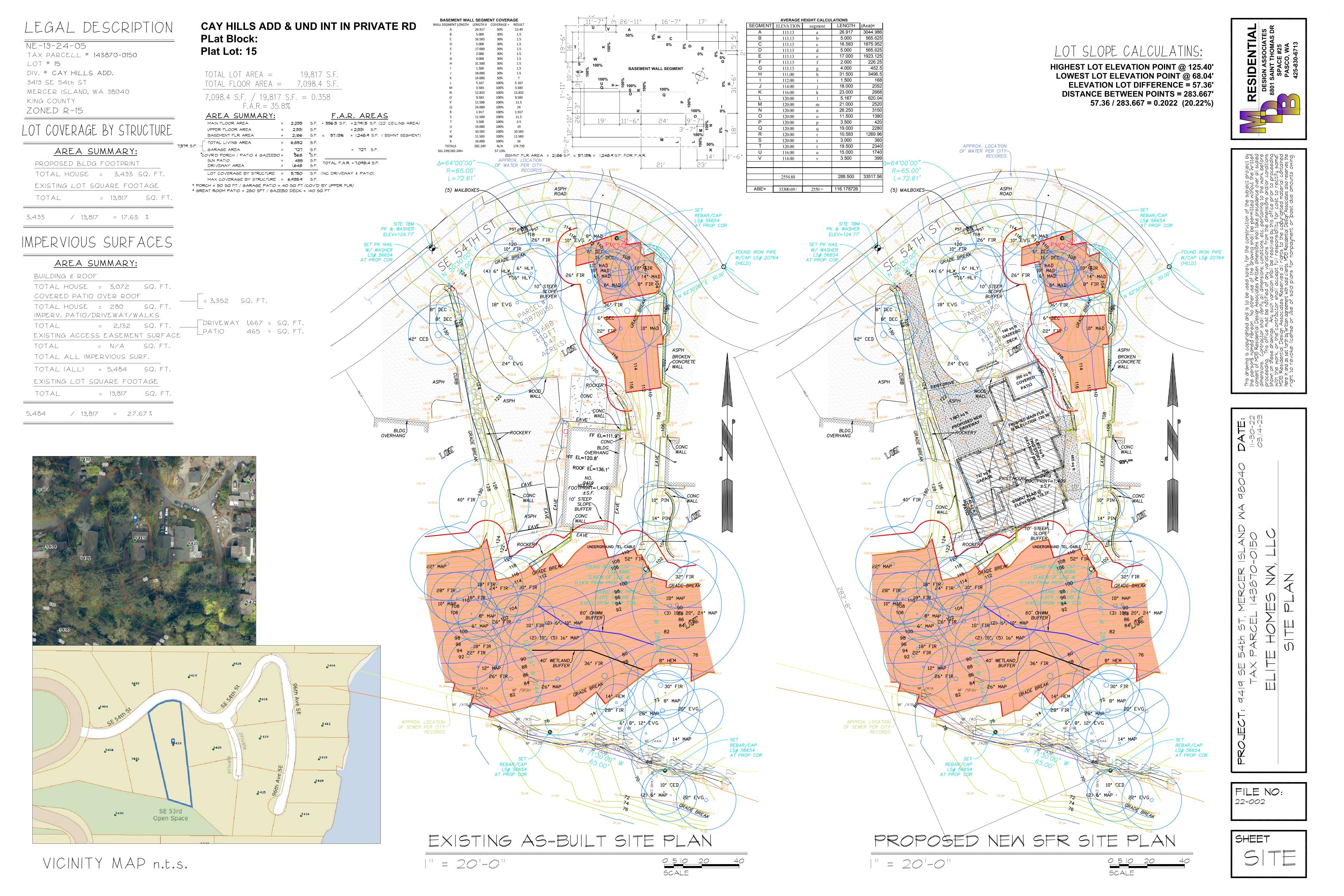
CHECKED BY: TBH/JGM

SCALE: 1" = 20'

REVISION HISTORY

REVISION HISTORY
6/07/23 WETLANDS & ECA
BUFFERS

SHEET NUMBER
1 OF 1



LEGAL DESCRIPTION

NE-19-24-05 TAX PARCELL # 143870-0150 LOT # 15 DIV. # CAY HILLS ADD. 9419 SE 54th ST MERCER ISLAND, WA 98040 KING COUNTY ZONED R-15

LOT COVERAGE BY STRUCTURE

AREA SUMMARY:

PROPOSED BLDG FOOTPRINT TOTAL HOUSE = 3,493 SQ. FT. EXISTING LOT SQUARE FOOTAGE TOTAL = 19,817 SQ. FT.

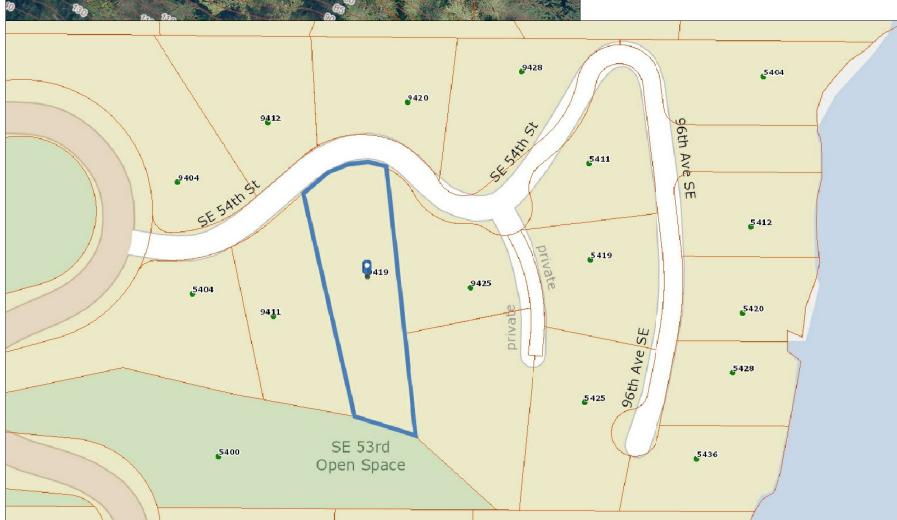
3,493 / 19,817 = 17.63 %

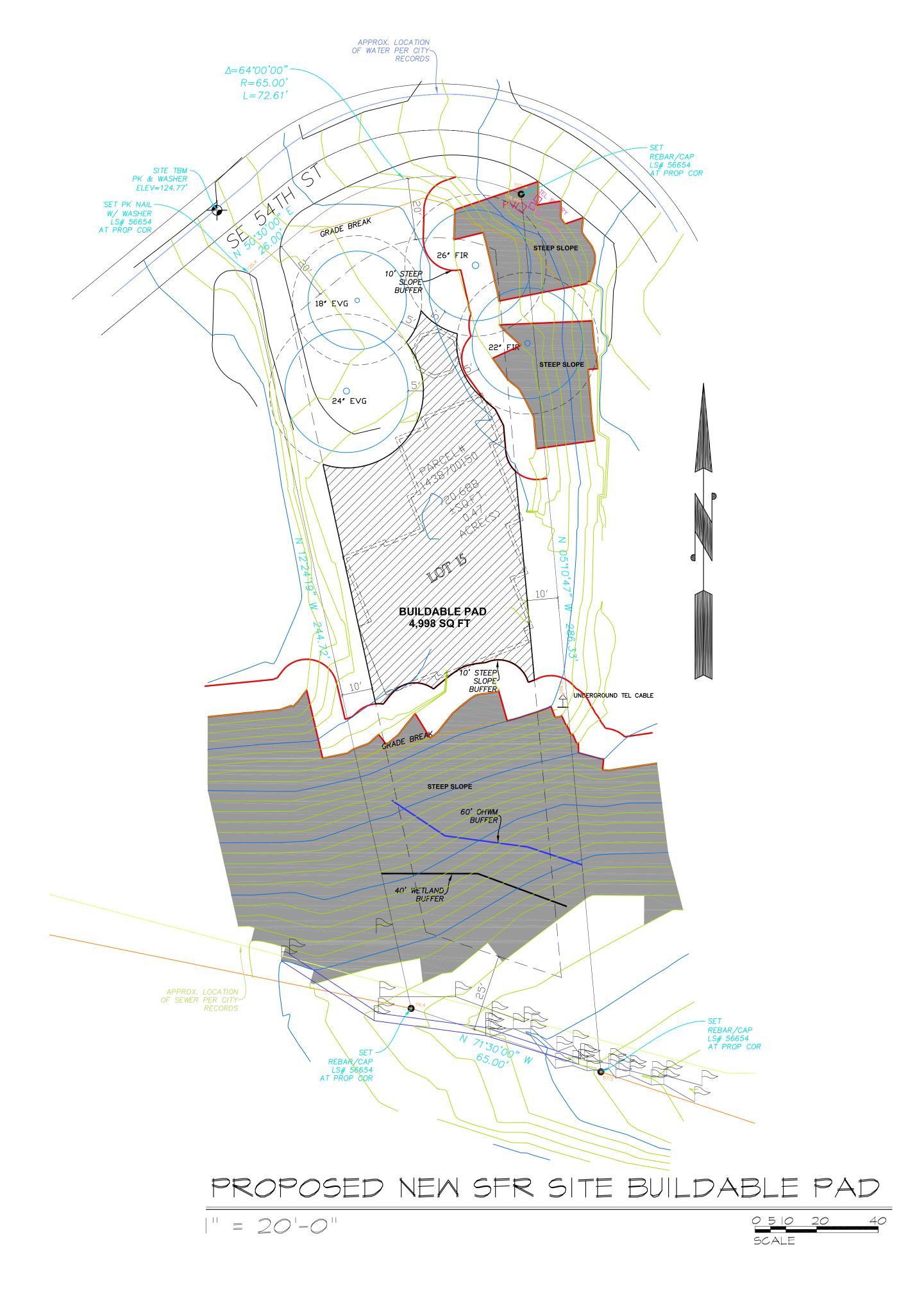
IMPERVIOUS SURFACES

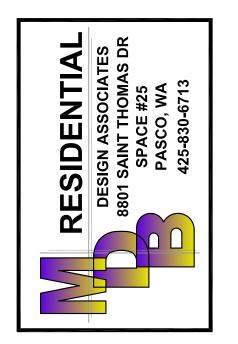
5,484 / 19,817 = 27.67 %

AREA SUMMARY: BUILDING & ROOF TOTAL HOUSE = 3,072 SQ. FT. COVERED PATIO OVER ROOF = 3,352 SQ. FT. TOTAL HOUSE = 280 SQ. FT. IMPERV. PATIO/DRIVEWAY/WALKS = 2,132 SQ. FT. ______DRIVEWAY 1,667 = SQ. FT. EXISTING ACCESS EASEMENT SURFACE TOTAL = N/A SQ. FT. TOTAL ALL IMPERVIOUS SURF. TOTAL (ALL) = 5,484 SQ. FT. EXISTING LOT SQUARE FOOTAGE = 19,817 SQ. FT.

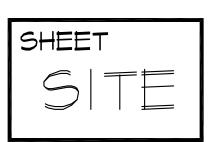








FILE NO: 22-002



LAKE WASHINGTON

VICINITY MAP

BASIS OF BEARINGS

ACCEPTED A BEARING OF N 51°40'27" W, BETWEEN IRON PIPES FOUND AND SHOWN HEREON AS CALCULATED PER PLAT.

REFERENCES

- 1. CAY HILLS, VOL. 70, OF PLATS, PGS. 95 & 96, RECORDS OF KING COUNTY, WASHINGTON.
- 2. PSE GAS MAP Q198081
- 3. PSE POWER MAP A2405E073
- 4. WATER, SEWR AND STORM PROVIDED CITY OF MERCER ISLAND GIS PORTAL.

LEGAL DESCRIPTION

(PER STATUTORY WARRANTY DEED RECORDING# 20220504001275)

LOT 15, CAY HILLS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 70 OF PLATS, PAGES 95 AND 96, RECORDS OF

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

EXCEPTIONS CONTAINED IN TITLE

THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST

STEEP SLOPE/BUFFER DISCLAIMER

THE LOCATION AND EXTENT OF STEEP SLOPES SHOWN ON THIS DRAWING ARE FOR INFORMATIONAL PURPOSES ONLY AND CANNOT BE RELIED ON FOR DESIGN AND/OR CONSTRUCTION. THE PITCH, LOCATION, AND EXTENT ARE BASED SOLELY ON OUR GENERAL OBSERVATIONS ON SITE AND OUR CURSORY REVIEW OF READILY AVAILABLE PUBLIC DOCUMENTS; AS SUCH, TERRANE OR CORE DESIGN 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

9419 54TH ST

9419 54TH ST MERCER ISLAND, WASHINGTON



NOTE

DEVELOPMENT PROPOSALS FOR A NEW SINGLE-FAMILY HOME SHALL REMOVE JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM) AND REGULATED CLASS A, REGULATED CLASS B, AND REGULATED CLASS C WEEDS IDENTIFIED ON THE KING COUNTY NOXIOUS WEED LIST, AS AMENDED, FROM REQUIRED LANDSCAPING AREAS ESTABLISHED PURSUANT TO SUBSECTION 19.02.020(F)(3)(a). NEW LANDSCAPING ASSOCIATED WITH NEW SINGLE-FAMILY HOME SHALL NOT INCORPORATE ANY WEEDS IDENTIFIED ON THE KING COUNTY NOXIOUS WEED LIST, AS AMENDED. PROVIDED, THAT REMOVAL SHALL NOT BE REQUIRED IF THE REMOVAL WILL RESULT IN INCREASED SLOPE INSTABILITY OR RISK OF LANDSLIDE OR EROSION.

OWNER:

9419 SE 54TH ST MERCER ISLAND, WA 98040

ENGINEER/ SURVEY:

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

VERTICAL DATUM

NAVD 88 PER GPS OBSERVATIONS

BENCHMARKS

BENCH MARK TEXT

SHEET INDEX

C1.01 C1.02 C1.03 TOPOGRAPHIC SURVEY

EROSION CONTROL PLAN SITE, STORM, UTILITIES & GRADING PLAN & NOTES UTILITY DETAILS

SITE STATISTICS

R-15 (RESIDENTIAL-SINGLE FAMILY) SITE AREA: ±20,688 SF (±0.475 ACRES) NET LOT AREA: 15,215 SF (0.349 ACRES) LOTS PROPOSED: 143870-0150 TAX PARCEL DWELLING UNITS: LOT WIDTH: FRONT SETBACK: BACK SETBACK: 20' COMBINED SIDE SETBACK:

> 10' (WESTERN SETBACK) 10' (EASTERN SETBACK)

3,760 SF (24.7%) IMPERVIOUS AREA:

SIDE SETBACKS PROPOSED:

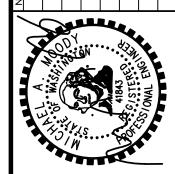


Know what's below. Call before you dig.

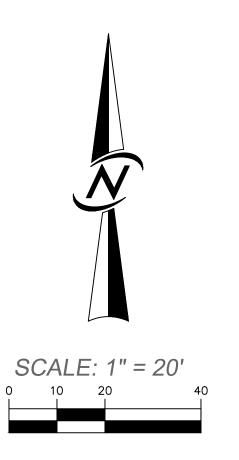
UTILITY CONFLICT NOTE:

CAUTION:

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



C1.01 PROJECT NUMBER 23008



VERTICAL DATUM

NAVD 88 PER GPS OBSERVATIONS

ORIGINATING BENCHMARK

BENCHMARK TEXT

PROJECT BENCHMARKS

TEXT FOR BENCHMARKS ESTABLISHED

HORIZONTAL DATUM

HORIZONTAL DATUM

BASIS OF BEARINGS

ACCEPTED A BEARING OF N 51'40'27" W, BETWEEN IRON PIPES FOUND AND SHOWN HEREON AS CALCULATED PER PLAT.

REFERENCES

- 1. CAY HILLS, VOL. 70, OF PLATS, PGS. 95 & 96, RECORDS OF KING COUNTY, WASHINGTON.
- 2. PSE GAS MAP Q198081
- 3. PSE POWER MAP A2405E073
- 4. WATER, SEWR AND STORM PROVIDED CITY OF MERCER ISLAND GIS PORTAL.

LEGAL DESCRIPTION

(PER STATUTORY WARRANTY DEED RECORDING# 20220504001275)

LOT 15, CAY HILLS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 70 OF PLATS, PAGES 95 AND 96, RECORDS OF KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

EXCEPTIONS CONTAINED IN TITLE

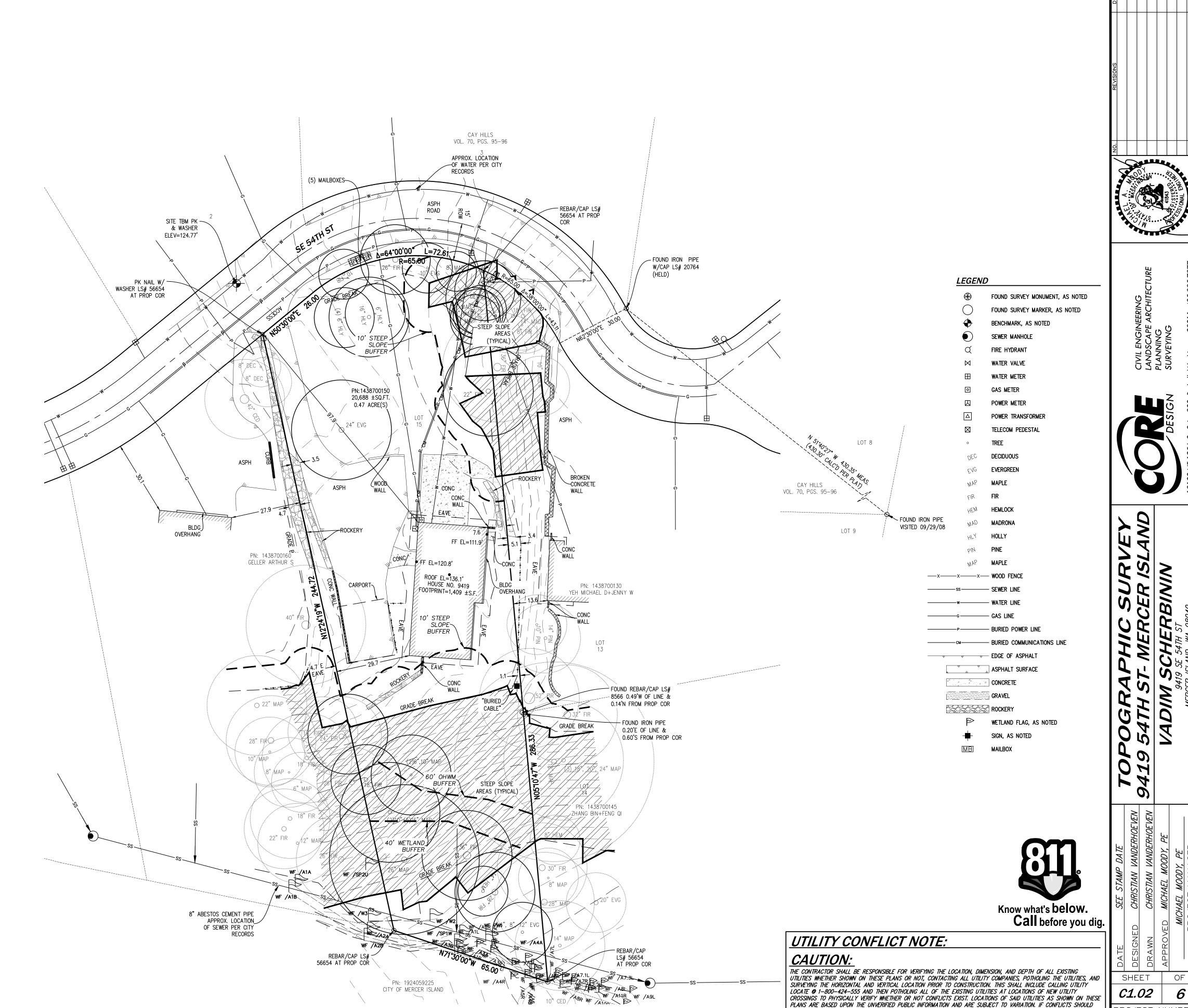
THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.

<u>NOTE</u>

- 1. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
- 2. THIS SURVEY REPRESENTS VISIBLE PHYSICAL IMPROVEMENT CONDITIONS EXISTING ON FEBRUARY 3RD, 2023. ALL SURVEY CONTROL INDICATED AS "FOUND" WAS RECOVERED FOR THIS PROJECT IN JUNE, 2022.
- 3. PROPERTY AREA = $20,688\pm$ SQUARE FEET (.4749 \pm ACRES).
- 4. ALL DISTANCES ARE IN US FEET AT GROUND LEVEL. [TO CONVERT GROUND TO GRID DISTANCES, MULTIPLY BY THE PROJECT COMBINED SCALE FACTOR = _____]
- 5. CONTOUR INTERVAL = 2 FEET.
- 6. ELEVATION AND/OR CONTOUR INFORMATION SHOWN HEREON IS GENERATED FROM DIRECT FIELD OBSERVATION. SAID INFORMATION MEETS US NATIONAL MAPPING STANDARDS AND IS ACCURATE TO WITHIN ONE—HALF THE CONTOUR INTERVAL.
- 7. BOUNDARY INFORMATION SHOWN HEREON IS FROM PLAT OF CAY HILLS, VOL. 70, OF PLATS, PGS. 95 & 96, RECORDS OF KING COUNTY, WASHINGTON, RECORDING NUMBER 196208295473100. TOPOGRAPHIC INFORMATION SHOWN HEREON IS RELATED TO THE BOUNDARY BY DIRECT FIELD OBSERVATION FROM CONTROLLING MONUMENTATION AS SHOWN IN THE BOUNDARY AND TOPOGRAPHIC SURVEY BY TERRANE
- 8. THIS IS A COMBINED FIELD TRAVERSE AND GPS/GNSS SURVEY. 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. THE SURVEY WAS BY TERRANE, DATED 6-18-2022.
- 9. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR AS MARKED BY 811 OR OTHER UTILITY LOCATING PROVIDERS ARE SHOWN HEREON. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. UNDERGROUND CONNECTIONS ARE SHOWN AS STRAIGHT LINES BETWEEN SURFACE EVIDENCE OF UTILITY LOCATIONS BUT MAY CONTAIN BENDS OR CURVES NOT SHOWN. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. CLIENT UNDERSTANDS THAT CORE DESIGN ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR PAINTED UTILITY LOCATIONS.
- 10. EXISTING STRUCTURE(S) LOCATION AND DIMENSIONS ARE MEASURED FROM THE FACE OF THE SIDING UNLESS OTHERWISE

STEEP SLOPE/BUFFER DISCLAIMER:

THE LOCATION AND EXTENT OF STEEP SLOPES SHOWN ON THIS DRAWING ARE FOR INFORMATIONAL PURPOSES ONLY AND CANNOT BE RELIED ON FOR DESIGN AND/OR CONSTRUCTION. THE PITCH, LOCATION, AND EXTENT ARE BASED SOLELY ON OUR GENERAL OBSERVATIONS ON SITE AND OUR CURSORY REVIEW OF READILY AVAILABLE PUBLIC DOCUMENTS; AS SUCH, TERRANE OR CORE DESIGN 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.



8/15/2023 11:18 AMJ: (2023 (23008 (ENGINEERING (FINAL (SHEE)

PROJECT NUMBER **23008**

OCCUR, THE CONTRACTOR SHALL CONSULT CORE DESIGN, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH

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

Purpose and Definition

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

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

Applications and Limitations

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

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

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

Design Guidelines

- Soil retention. Retain, in an undisturbed state, the duff layer and native topsoil to the maximum extent practicable. In any areas requiring grading remove and stockpile the duff layer and topsoil on site in a designated, controlled area, not adjacent to public resources and critical areas, to be reapplied to other portions of the site where feasible.
- Soil quality. All areas subject to clearing and grading that have not been covered by impervious surface, incorporated into a drainage facility or engineered as structural fill or slope shall, at project completion, demonstrate the following:
- 1. A topsoil layer with a minimum organic matter content of 10% dry weight in planting beds, and 5% organic matter content in turf areas, and a pH from 6.0

2014 Stormwater Management Manual for Western Washington

Volume V - Chapter 5 - Page 911

to 8.0 or matching the pH of the undisturbed soil. The topsoil layer shall have a minimum depth of eight inches except where tree roots limit the depth of incorporation of amendments needed to meet the criteria. Subsoils below the topsoil layer should be scarified at least 4 inches with some incorporation of the upper material to avoid stratified layers, where feasible.

- 2. Mulch planting beds with 2 inches of organic material
- 3. Use compost and other materials that meet these organic content require
 - a. The organic content for "pre-approved" amendment rates can be met only using compost meeting the compost specification for BMP T7.30: Bioretention Cells, Swales, and Planter Boxes (p.959), with the exception that the compost may have up to 35% biosolids or manure.

The compost must also have an organic matter content of 40% to 65%, and a carbon to nitrogen ratio below 25:1.

The carbon to nitrogen ratio may be as high as 35:1 for plantings composed entirely of plants native to the Puget Sound Lowlands region.

b. Calculated amendment rates may be met through use of composted material meeting (a.) above; or other organic materials amended to meet the carbon to nitrogen ratio requirements, and not exceeding the contaminant limits identified in Table 220-B, Testing Parameters, in WAC 173-350-220.

The resulting soil should be conducive to the type of vegetation to be established.

- Implementation Options: The soil quality design guidelines listed above can be met by using one of the methods listed below:
- 1. Leave undisturbed native vegetation and soil, and protect from compaction during construction.
- Amend existing site topsoil or subsoil either at default "pre-approved" rates, or at custom calculated rates based on tests of the soil and amendment.
- 3. Stockpile existing topsoil during grading, and replace it prior to planting. Stockpiled topsoil must also be amended if needed to meet the organic matter or depth requirements, either at a default "pre-approved" rate or at a custom calculated rate.
- 4. Import topsoil mix of sufficient organic content and depth to meet the require-

2014 Stormwater Management Manual for Western Washington Volume V - Chapter 5 - Page 912

More than one method may be used on different portions of the same site. Soil that already meets the depth and organic matter quality standards, and is not compacted, does not need to be amended.

Planning/Permitting/Inspection/Verification Guidelines & Procedures

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

Maintenance

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

Runoff Model Representation

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

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

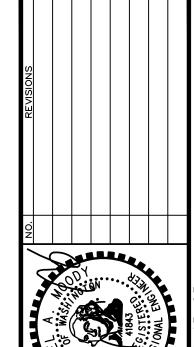
- BMP T5.10B: Downspout Dispersion Systems (p.905)
- BMP T5.11: Concentrated Flow Dispersion (p.905)
- BMP T5.12: Sheet Flow Dispersion (p.908)

BMP T5.18: Reverse Slope Sidewalks (p.937)

BMP T5.30: Full Dispersion (p.939) (for public road projects)

2014 Stormwater Management Manual for Western Washington

Volume V - Chapter 5 - Page 913



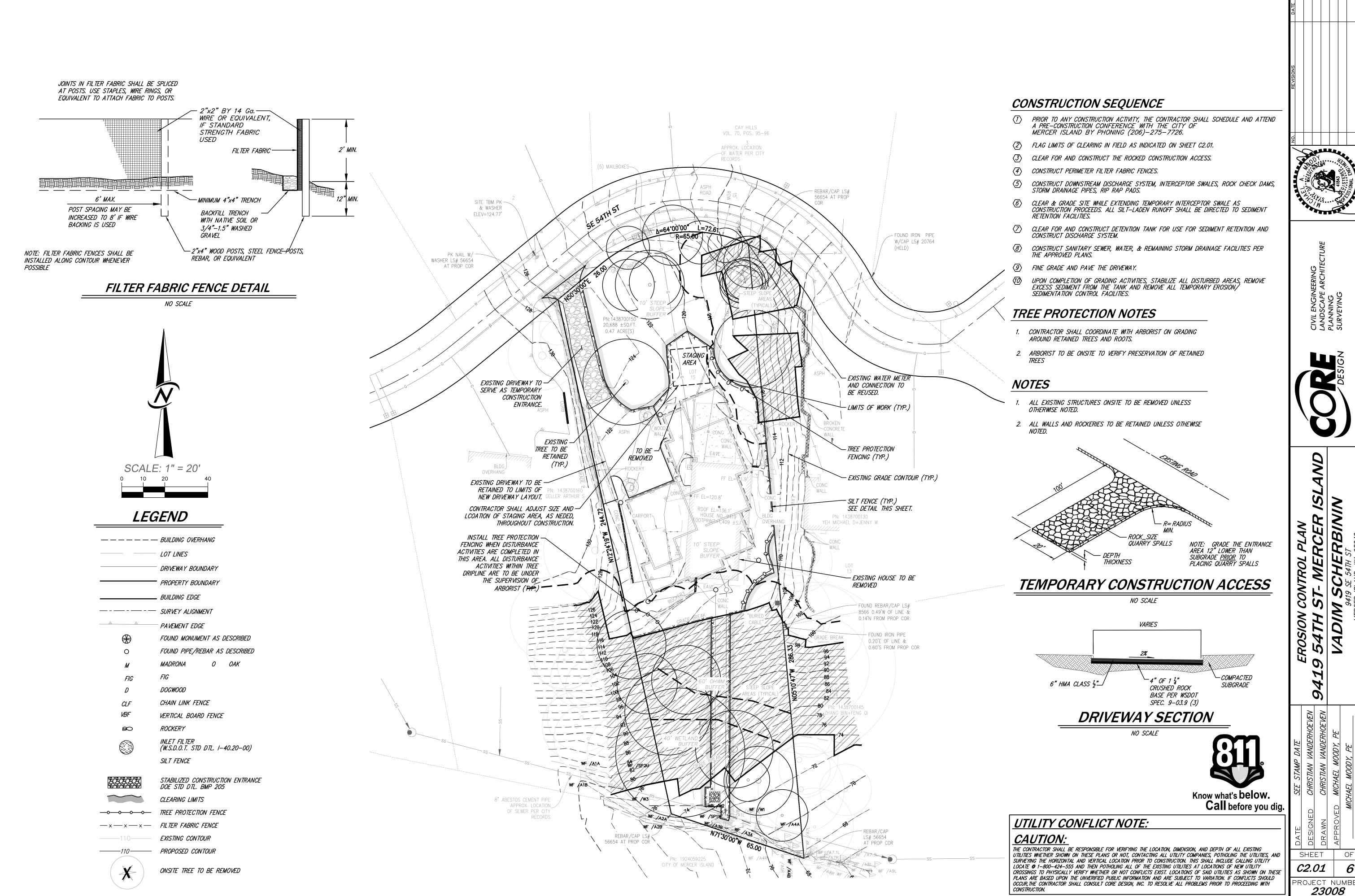




ND

C1.03

Project number **23008**



6

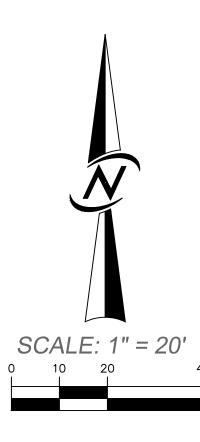
PROJECT NUMBER

CONSTRUCTION OF ALL IMPROVEMENTS FOR ACCESS, UTILITIES, STORM DRAINAGE AND SITE WORK SHALL COMPLY WITH CURRENT CITY ORDINANCES AND THE REQUIREMENTS OF THE CITY ENGINEER.

4. ALL SHORT PLAT IMPROVEMENTS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL AND RECORDING OF THE SHORT PLAT MYLAR DOCUMENTS OR BONDED AND COMPLETED PRIOR TO ISSUANCE OF BUILDING PERMITS WHEN APPROVED BY THE CITY ENGINEER. AN ACCURATELY PREPARED AS-BUILT DRAWING THAT SHOWS ALL UTILITIES AND SHORT PLAT IMPROVEMENTS SHALL BE SUBMITTED TO THE CITY UPON COMPLETION OF THE WORK PROVIDED TWO PAPER COPIES, ONE MYLAR AND ONE DXF AUTOCAD FILE. SUBMIT USING MERCER ISLAND'S DATUM AN TIE THE PLAT TO AT LEAST TWO

STORM DRAINAGE GENERAL NOTES

- 1. ALL NEW CATCH BASINS SHALL CONFORM TO THE APWA WSDOT STANDARD DETAILS.
- 2. THE FOOTING DRAINAGE SYSTEM AND THE ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED.
- PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION FILTER AND SILT REMOVAL FACILITIES TO ENSURE THAT SEDIMENT OR OTHER HAZARDOUS MATERIALS DO NOT ENTER THE STORM DRAINAGE SYSTEM. FOR ALL CONSTRUCTION DURING THE RAINY SEASON. DOWNHILL BASINS AND INLETS MUST BE PROTECTED WITH CATCH BASINS INSERTS. PLACEMENT OF FILTER FABRIC UNDER GRATE IS NOT ACCEPTABLE.
- PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF STORM DRAINAGE WORK, PIPES AND STORM DRAIN STRUCTURES SHALL BE CLEANED AND FLUSHED. ANY OBSTRUCTIONS TO FLOW WITHIN THE STORM DRAINAGE SYSTEM (SUCH AS RUBBLE, MORTAR, AND WEDGED DEBRIS) SHALL BE REMOVED AT THE NEAREST STRUCTURE. WASH WATER OF ANY SORT SHALL'NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM OR SURFACE WATER.
- 5. ON-SITE DRAINAGE SYSTEM WILL BE PRIVATELY OWNED AND MAINTAINED.
- 6. SEE FOUNDATION PLAN FOR FOOTING DRAIN LOCATIONS.



SEWER GENERAL NOTES

1 ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE DEVELOPER EXTENSION AGREEMENT, THE STANDARD SPECIFICATIONS, STANDARD DETAILS OF THE CITY OF MERCER ISLAND.

2 THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON PLANS AND PROFILES FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF UTILITY LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN ON PLANS.

3 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE LOCATED, BY APPROPRIATE UTILITY DISTRICTS OR COMPANIES, ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

4 FOR UTILITY LOCATES IN KING COUNTY, CALL 1-800-424-5555 PRIOR TO DIGGING.

5 THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REGULATORY PERMITS.

6 ALL WORK IN RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITTING AGENCY.

7 A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD AT THE CITY OF MERCER ISLAND'S OFFICE PRIOR TO THE START OF CONSTRUCTION. DISTRICT STAFF WILL NOTIFY THE APPROPRIATE AGENCIES OR REPRESENTATIVES.

8 PRIOR TO CONSTRUCTING ANY SEWER MAINS, THE STREET CENTERLINES OF THE DEVELOPMENT, CENTER OF CUL-DE-SACS, ALL SEWER LINE EASEMENTS AND ALL LOT CORNERS SHALL BE STAKED. THE MAXIMUM STATIONING INTERVAL SHALL BE 50 FEET WITH THE STATION NUMBER ON EACH STAKE

HORIZONTAL CONTROL DATA SHALL BE NAD '83/"91. VERTICAL CONTROL SHALL BE NAVD-88 DATUM. 10 AT THE CONCLUSION OF CONSTRUCTION, THE DEVELOPER'S REGISTERED PROFESSIONAL SURVEYOR SHALL PREPARE A DRAWING BASED ON THE SURVEYED LOCATION OF ALL AT-GRADE APPURTENANCES INSTALLED, INCLUDING BUT NOT LIMITED TO, LOCATION OF EXISTING MANHOLES INCLUDING RIM & ALL INVERT ELEVATIONS AND NEW MANHOLE LOCATIONS INCLUDING RIM & ALL INVERT ELEVATIONS. THE DRAWING SHALL BE PROVIDED TO THE DISTRICT IN AUTOCAD FORMAT, R 2000 OR NEWER. IN ADDITION, ALL SEWER EASEMENTS SHALL BE STAKED AND FLAGGED AT THEIR INTERSECTION WITH PROPERTY LINES AND AT 25 FOOT STATIONS ALONG THE EASEMENT LINES.

CONSTRUCTION 11 THE SEWER MAIN SHALL BE PLACED FIVE (5) FEET SOUTH OR WEST FROM THE CENTERLINE OF THE ROADWAY, UNLESS OTHERWISE SHOWN ON THE PLAN. 12 A MINIMUM TEN (10) FOOT HORIZONTAL SEPARATION MUST BE MAINTAINED BETWEEN THE SANITARY SEWER LINE AND THE WATER MAIN. 13 AFTER TRENCH BACKFILL AND COMPACTION, PVC SANITARY SEWER MAINS SHALL BE TESTED FOR DEFLECTION AS SPECIFIED IN SECTION 7-17.3(2)G OF THE

AND INSPECTION BY NORTHSHORE

INCLUDE THE WORDS "SANITARY SEWER".

21 HIGH-DENSITY POLYETHYLENE (HDPE) SHALL BE SDR-11 MINIMUM.

WHENEVER SANITARY SEWER CROSSES BELOW A WATER MAIN, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SEWER LINE IS AT LEAST EIGHTEEN (18) INCHES BELOW THE BOTTOM OF THE WATER MAIN.

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION TEST OBSERVATION

ALL MANHOLES SHALL HAVE A MINIMUM DROP OF ONE—TENTH (0.10) FOOT AND FIVE—TENTHS (0.50) FOOT MAXIMUM DROP BETWEEN INVERT IN AND

MANHOLES IN THE PUBLIC RIGHT-OF-WAY SHALL BE A MINIMUM OF EIGHT (8) FEET IN DEPTH OR PER APPROVED PLANS.

MANHOLES NOT IN PAVED PUBLIC RIGHT-OF-WAY TO HAVE LOCKING LIDS AND ALL FRAMES SHALL BE LOCKING TYPE PER THE STANDARD DETAILS. FOR PIPE SLOPES GREATER THAN 20%, RESTRAINED—JOINT DUCTILE IRON PIPE SHALL BE USED FOR EVERY JOINT. SIDE SEWER STUBS SHALL HAVE A MINIMUM OF TWO (2) PERCENT SLOPE AND MAXIMUM OF FORTY-FIVE (45) DEGREE SLOPE. STUBS SHALL BE 6" MINIMUM DIAMETER. FOR ALL STUBS LESS THAN EIGHT (8) FEET IN DEPTH: INSTALL A THREE (3) INCH WIDE GREEN METALLIC DETECTOR TAPE

20 SANITARY SEWER PIPE LESS THAN EIGHTEEN (18) FEET IN DEPTH AND LESS THAN 20% SLOPE SHALL BE PVC CONFORMING TO ASTM D-3034, SDR-35 AND SHALL BE BEDDED WITH CLEAN, GRANULAR MANUFACTURED PEA GRAVEL FROM 4"UNDER TO 6"OVER THE PIPE. SANITARY SEWER PIPE EIGHTEEN (18) FEET DEEP AND GREATER, OR ON A SLOPE OF 20% DUCTILE-IRON PIPE MUST MEET THE REQUIREMENTS OF AWWA C-151.

12" ABOVE THE PIPE, THE ENTIRE LENGTH OF THE STUB CONTINUING UP THE 2X4 SIDE SEWER MARKER POST. IDENTIFICATION ON THE TAPE SHALL

TREE PROTECTION NOTES

1. CONTRACTOR SHALL COORDINATE WITH ARBORIST ON GRADING AROUND RETAINED TREES AND ROOTS.

2. ARBORIST TO BE ONSITE TO VERIFY PRESERVATION OF RETAINED TREES

SITE TBM PK -

& WASHER

LEAVE DRIVEWAY UNDISTURBED. MATCH EXISTING

RIM 121.31

GRADE

6" IE IN 118.24 (E) 24" IE OUT 114.24 (S)

SEE DETAIL SHEET C4.31

26 LF CONTECH CMP DETENTION

PIPE OR APPROVED EQUIVALENT

RIM 120.69

6" IE 114.07

6" IE 114.07

@ 0.0202

@ 0.1753

10' STEEP

SLOPE BUFFER

RIM 119.48

6" IE 113.10

6" IE 113.10

RIM 112.13

ROCKERY

TO REMAIN

4" IE 107.49

6" IE 107.49 8" IE 107.49

@ 0.3461

DAYLIGHT POINT_TO =

EXISTING SLOPE

BUFFER

8" IE 74.96

REBAR/CAP LS#

56654 AT PROP COR

APPROX LOCATION

OF SEWER PER CITY

5' X 5' RIPRAP OUTFALL TO

DISPERSE RUNOFF TO

EXISTING WATERCOURSE

8" ABESTOS CEMENT PIP

ELEV=124.77'

PK NAII W/

AT PROP COR

WASHER LS# 56654

TYPE 2-48".

RIM 120.75

24" IE IN 114.24 (N)

6" IE OUT 114.24 (SW)

@ 0.0213

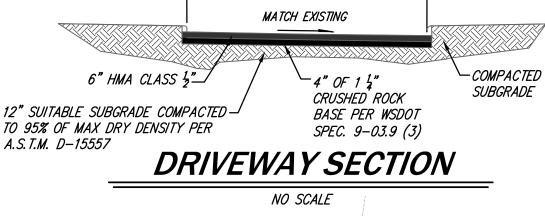
MATCH EXISTING 6" HMA CLASS 3"_ -4" OF 1 ¼" **SUBGRADE** CRUSHED ROCK 12" SUITABLE SUBGRADE COMPACTED — BASE PER WSDOT TO 95% OF MAX DRY DENSITY PER SPEC. 9-03.9 (3) A.S.T.M. D-15557

VARIES

- FOUND IRON PIPE

W/CAP LS# 20764

(HELD)



UTILIZE EXISTING WATER METER FOR

SERVICE. CONTRACTOR SHALL FIELD

VERIFY HORIZONTAL AND VERTICAL

PRIOR TO CONSTRUCTION. NOTIFY

ENGINEER WITH ANY CONFLICTS

56654 AT PROP

- TREE DRIPLINE (TY)

AVOÌD STEEP SLOPE AREAS DURING CONSTRUCTION (TYP)

SDCO 4

RIM 121.72

6" IE 118.36

PROPOSED FINAL GRADE

-FOOTING DRAIN CONNECTION

@ 0.0213

8" IE 103.51

8" IE 103.51

FOUND REBAR/CAP LS#

-- 8566 0.49'W OF LINE &

0.14'N FROM PROP COR

FOUND IRON PIPE

0.20'E OF LINE &

0.60'S FROM PROP COR

CONTOUR

BUFFER

@ 0.4092

C4.31 FOR DETAIL.

STANDARDS

AT PROP COR

SIDE SEWER CONNECTION TO BE

CONTRACTOR TO FIELD

SEWER RUN IS SUITABLE

FOR CONTINUED USE

PER MERCER ISLAND

VERIFY EXISTING

ANCHORED PER CITY OF MERCER ISLAND STANDARD DETAIL S-21. SEE SHEET

(TYP.)

EXISTING GRADE

-4" PERFORATED FOOTING DRAIN (TYP.)

SDCO 5

RIM 112.00

4" IE 108.00

4" IE 108.00

CONTOUR (TYP.)

@ 0.2000

LOCATION OF EXISTING WATER MAIN

CAY HILLS

VOL. 70, PGS, 95-96

APPROX LOCATION

-OF WATER PER CITY

RECORDS

A=64.00'00" L=72.61

R = 65.00

SITE ADDRESS: 9419 SE 54TH ST

WA 98040 \

CONNECT ROOF DRAINS MERCER ISLAND,

3,253 SF

@ 0.1490

WATER GENERAL NOTES

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE DEVELOPER EXTENSION AGREEMENT, THE STANDARD SPECIFICATIONS AND THE STANDARD DETAILS OF THE CITY OF MERCER ISLAND.

2 THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON PLANS AND PROFILES FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF UTILITY LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN ON PLANS.

3 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE LOCATED BY APPROPRIATE UTILITY DISTRICTS OR COMPANIES, ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

4 FOR UTILITY LOCATES IN KING COUNTY, CALL 1-800-424-5555 PRIOR TO DIGGING.

5 THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL REGULATORY PERMITS. 6 ALL WORK IN RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF PERMITTING AGENCY.

7 A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD AT THE CITY OF MERCER ISLAND'S OFFICE PRIOR TO THE START OF CONSTRUCTION. CITY STAFF WILL NOTIFY THE APPROPRIATE AGENCIES OR REPRESENTATIVES.

8 PRIOR TO CONSTRUCTING ANY WATER MAINS, THE STREET CENTERLINES OF THE DEVELOPMENT, CENTER OF CUL-DE-SACS, ALL WATER LINE EASEMENTS AND ALL LOT CORNERS SHALL BE STAKED. THE MAXIMUM STATIONING INTERVAL WILL BE 50 FEET WITH THE STATION NUMBER ON EACH STAKE.

9 HORIZONTAL CONTROL DATA SHALL BE NAD '83/'91. VERTICAL CONTROL SHALL BE NAVD-88 DATUM.

10 AT THE CONCLUSION OF CONSTRUCTION, THE DEVELOPER'S REGISTERED PROFESSIONAL SURVEYOR SHALL PREPARE A DRAWING BASED ON THE SURVEYED LOCATIONS OF ALL APPURTENANCES INSTALLED. INCLUDING BUT NOT LIMITED TO. Water Main, Meter Boxes, Blowoffs, Valves Boxes, Hydrants and Bends. The district will provide locates TO ASSIST THE SURVEYOR IN LOCATING THE WATER MAIN BETWEEN APPURTENANCES AND LOCATING THE BENDS. THE DRAWING SHALL BE PROVIDED TO THE DISTRICT IN AUTOCAD FORMAT, R 2000 OR NEWER. IN ADDITION, ALL WATER EASEMENTS SHALL BE STAKED AND FLAGGED AT THEIR INTERSECTION WITH PROPERTY LINES AND AT 25 FOOT STATIONS ALONG THE EASEMENT LINES.



POST-CONSTRUCTION SOIL QUALITY AND DEPTH NOTES

SOIL RETENTION

RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIREING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE

ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING: 1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHAL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF THE INCOPROATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSIL LAYERE SHAOULD BE SCAIFIED AT LEAST 4 INCHES WITH SOME INCOPROATION OF THE UPPPER MATERIAL TO AVOID STRATIFIED LAYER, WHERE FEASIBLE.

2. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL.

3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:

A. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BMP 17.30: BIORETENTION CVELLS, SWALES, AND PLANTER BOXES (P.959 OF THE 2014 SWMMWW)., WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65% AND A CORBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

B. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING (A.) ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE COTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220.

POST-CONSTRUCTION SOIL QUALITY AND DEPTH NOTES (CONT.

IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:
1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.

AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF SOIL AND AMENDMENT.

3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE. 4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.



Call before you dig

UTILITY CONFLICT NOTE:

CAUTION:

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

Know what's below.

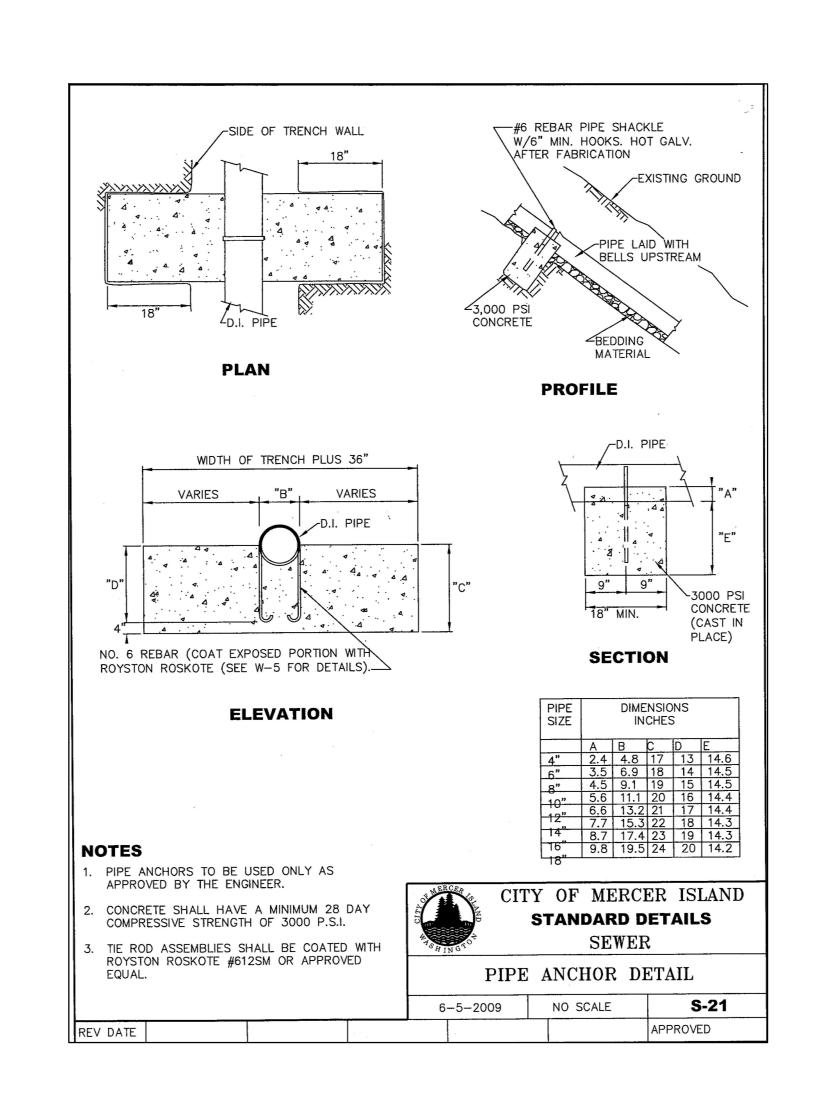
SHEET

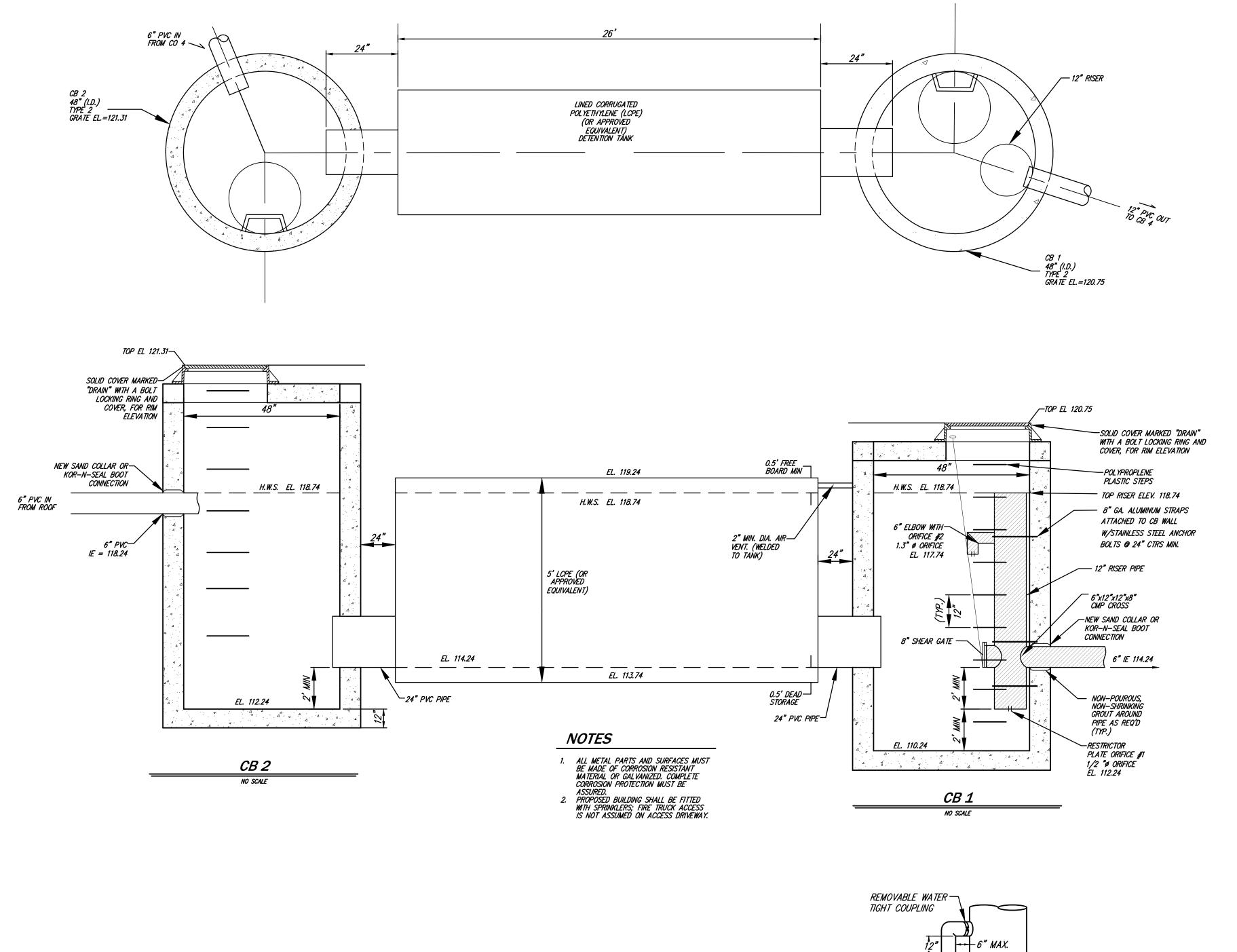
C4.01 ROJECT NUMBER

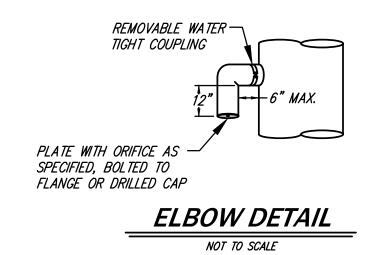
OF

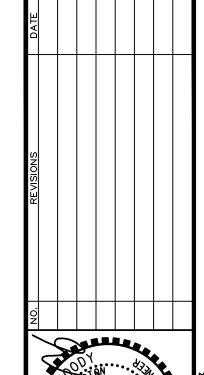
23008

8/Q-

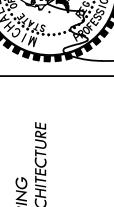












CIVI LAN PLAI DESIGN SUR 2100 NE 195th St, Suite 300 Bothell, Wasl

119 54TH ST- MERCER ISLAI VADIM SCHERBININ

DESIGNED CHRISTIAN VANDERHOEVEN

DRAWN CHRISTIAN VANDERHOEVEN

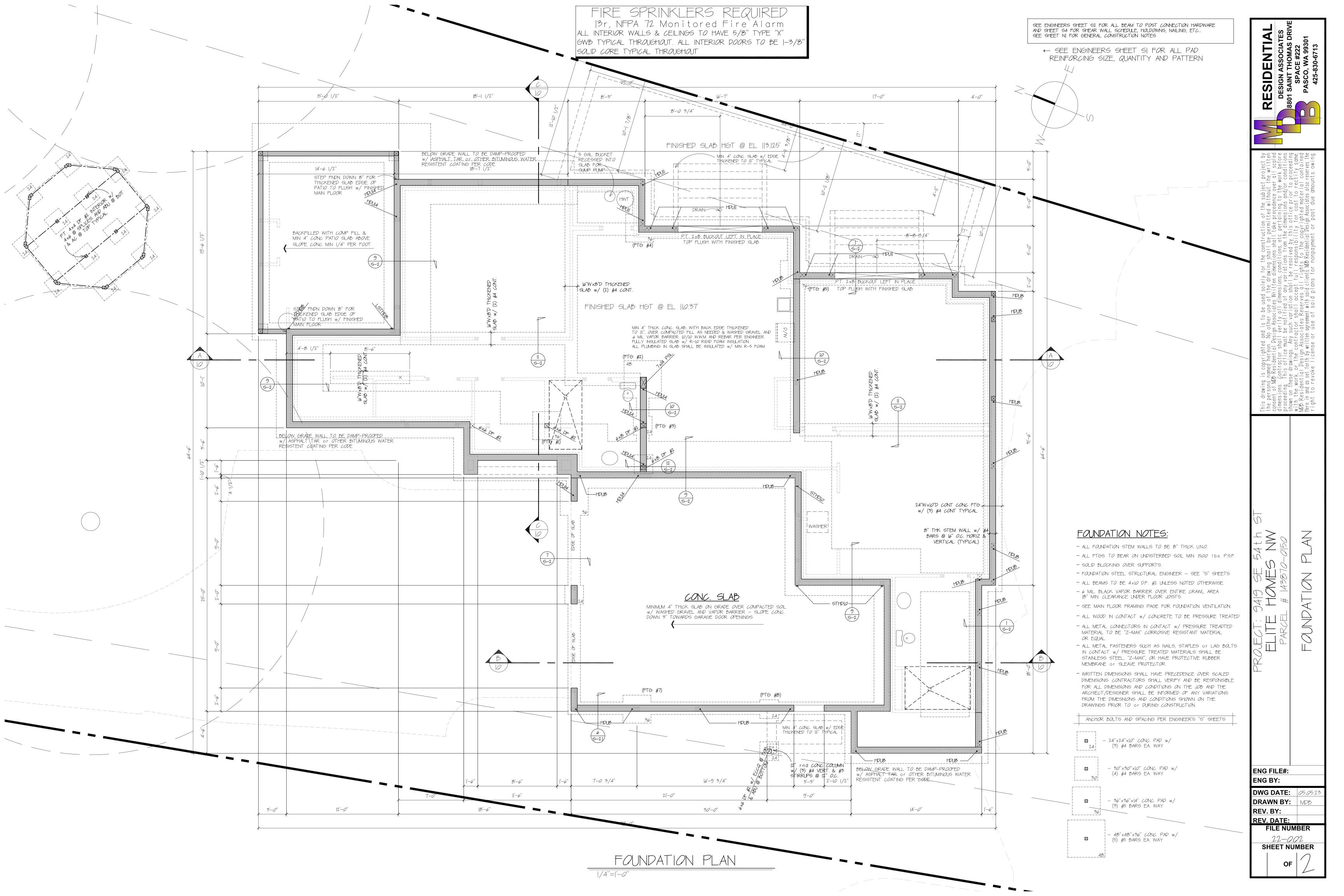
APPROVED MICHAEL MOODY, PE

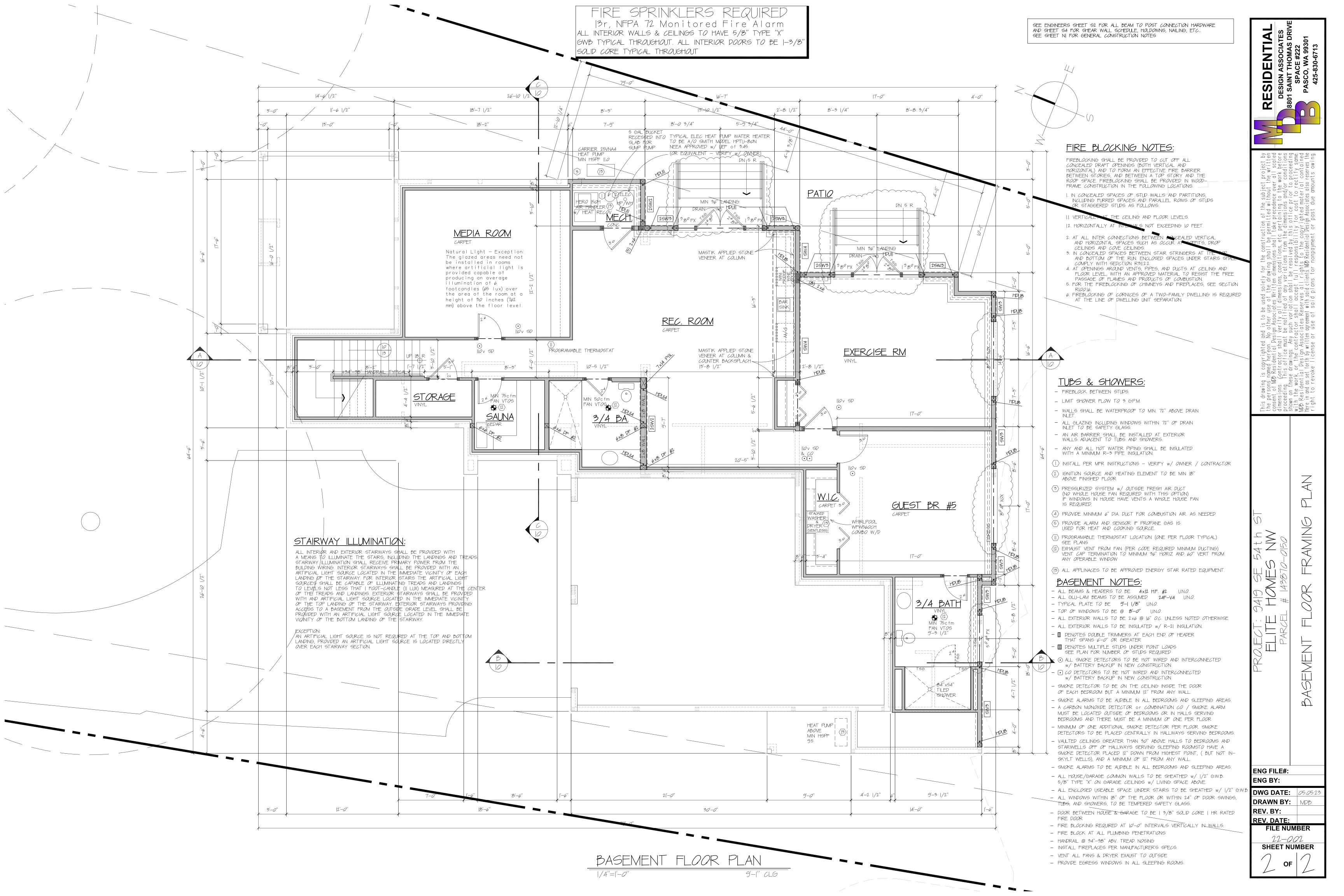
MICHAEL MOODY, PE

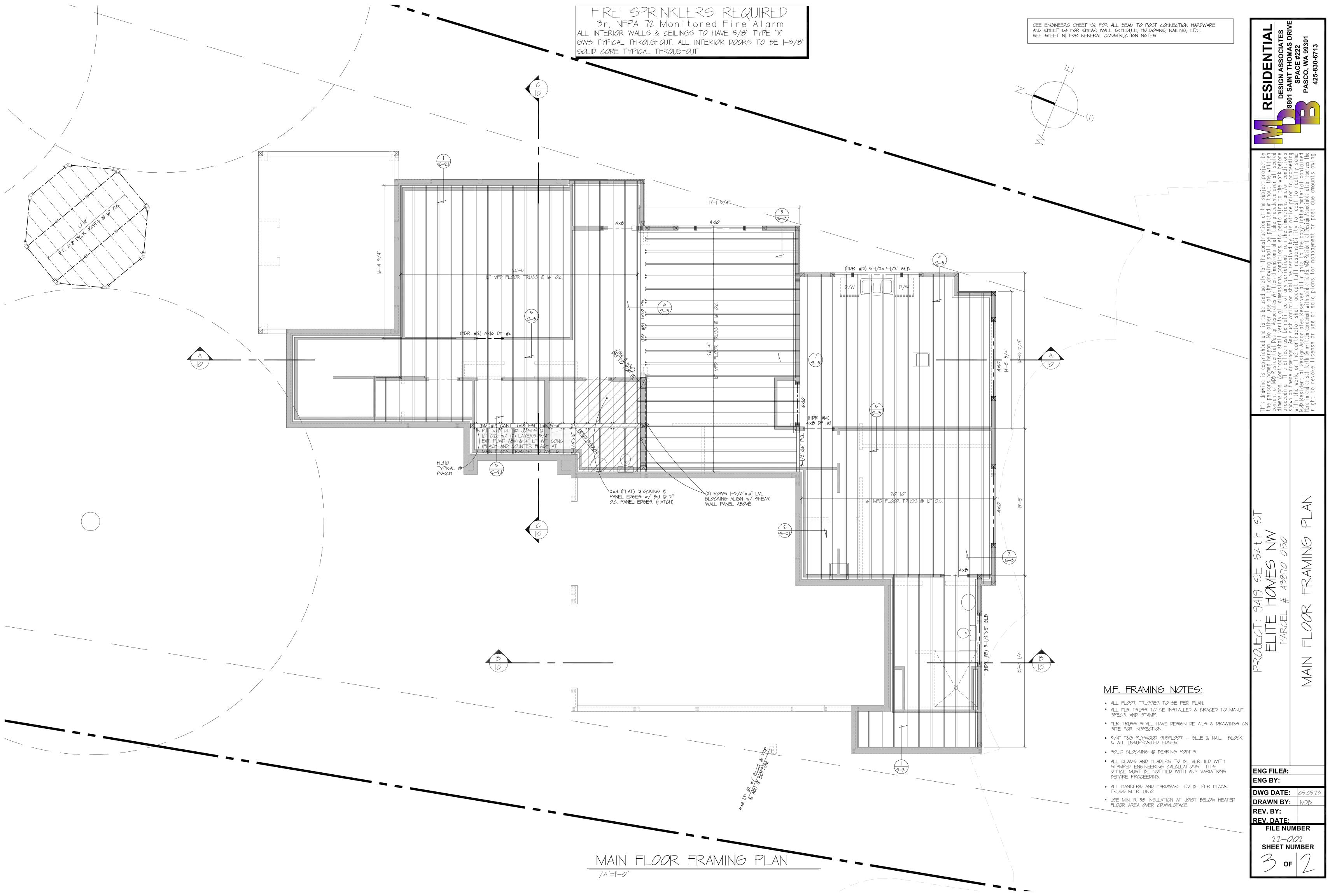
DROJECT MANAGER

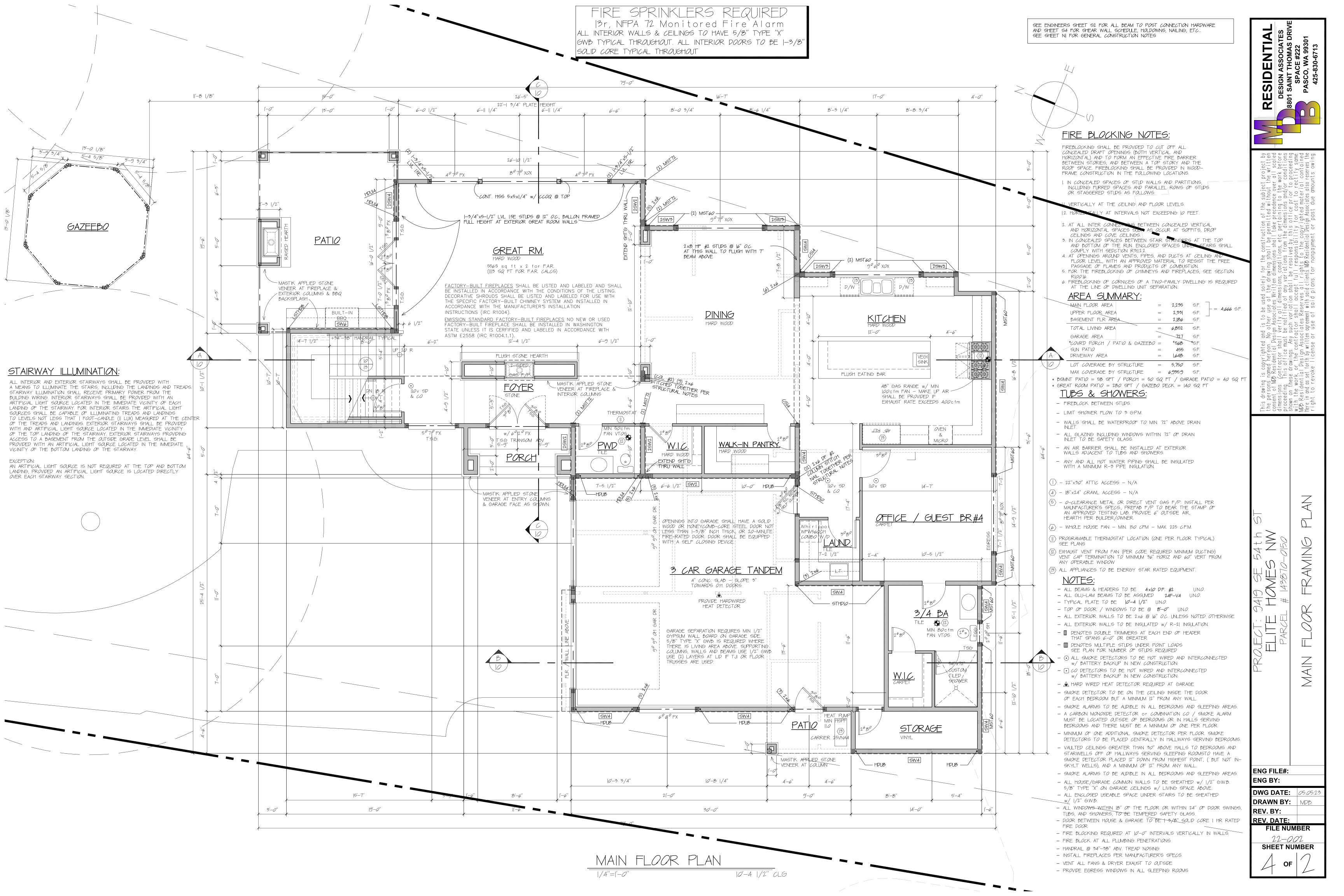
SHEET OF **6**

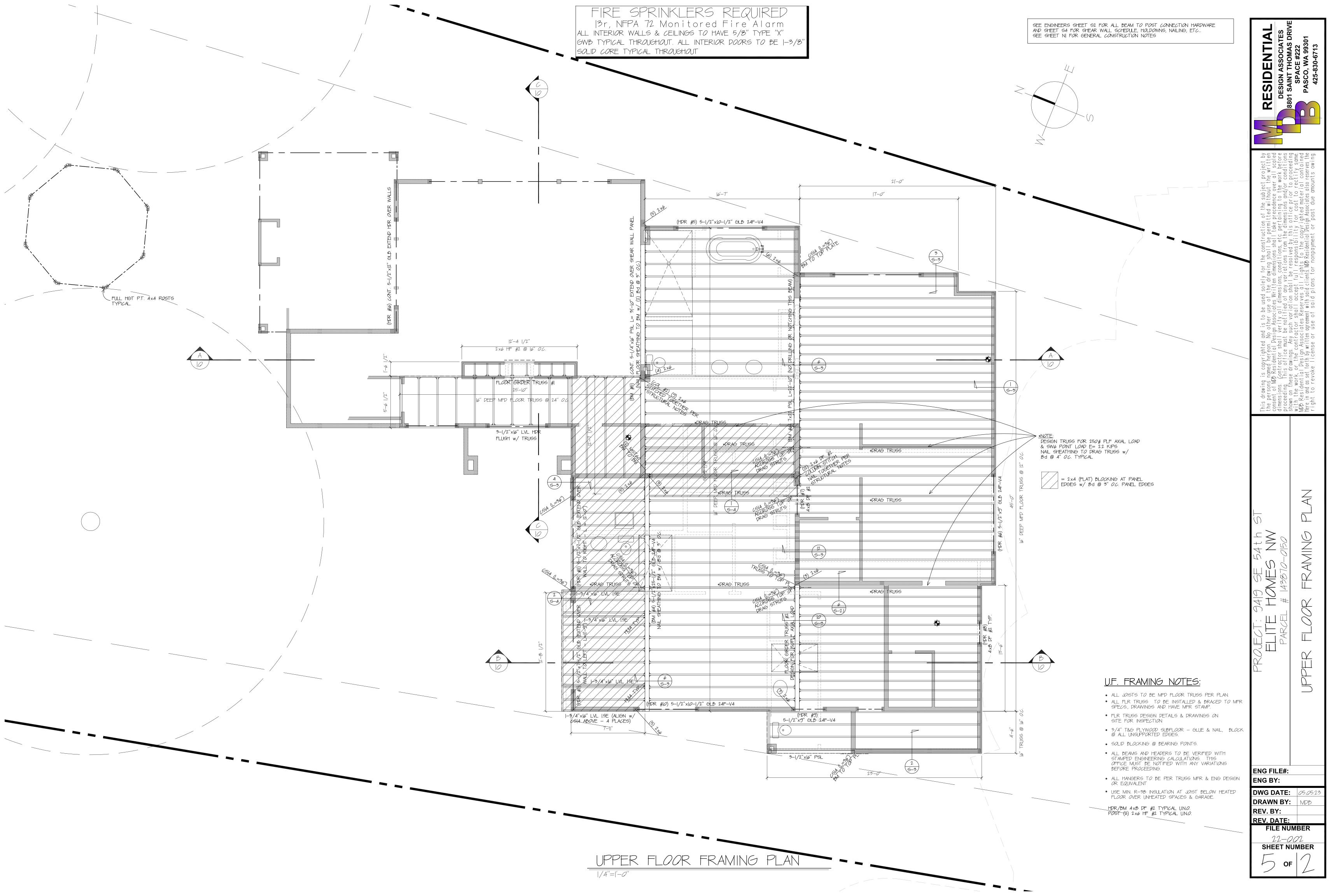
PROJECT NUMBER

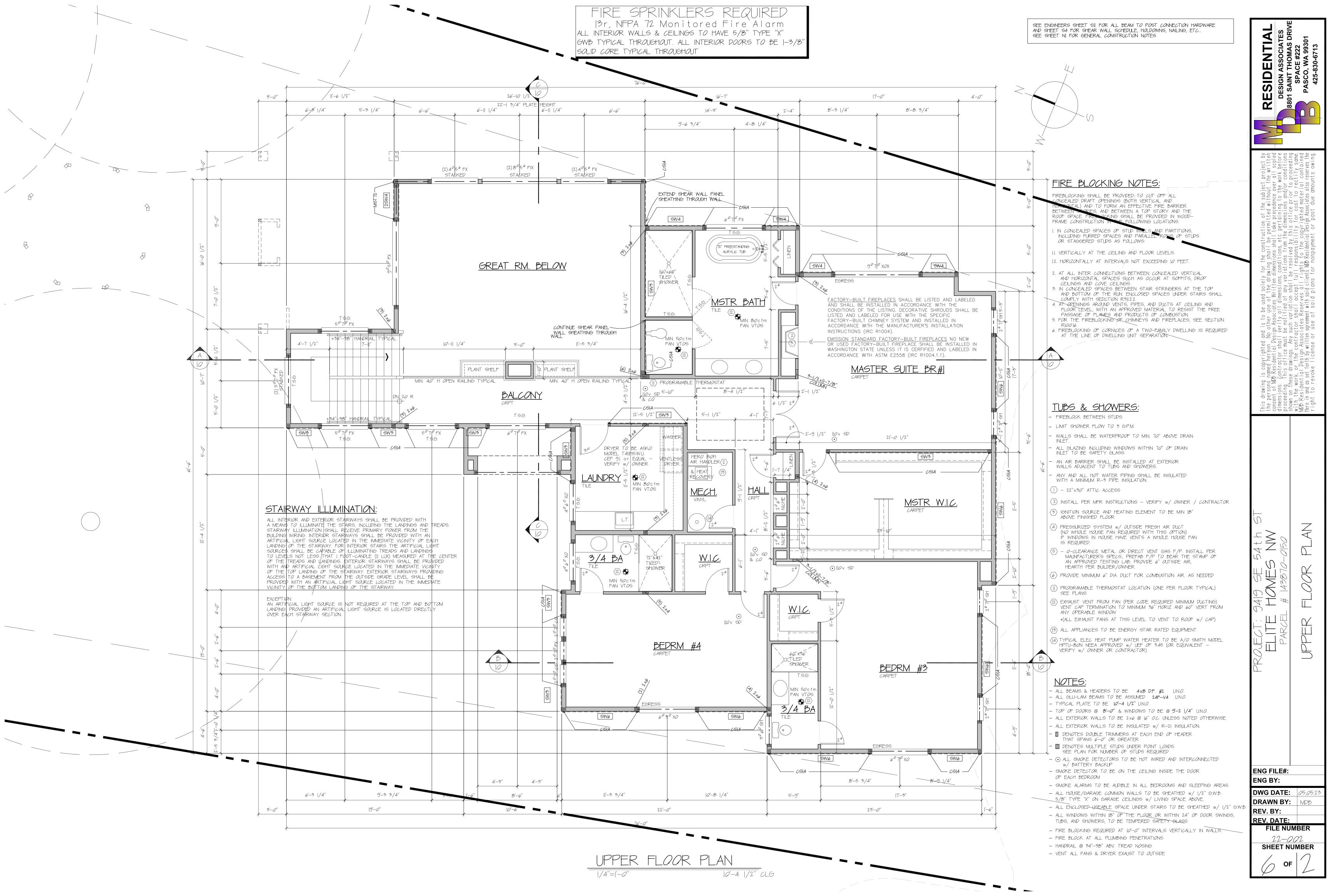


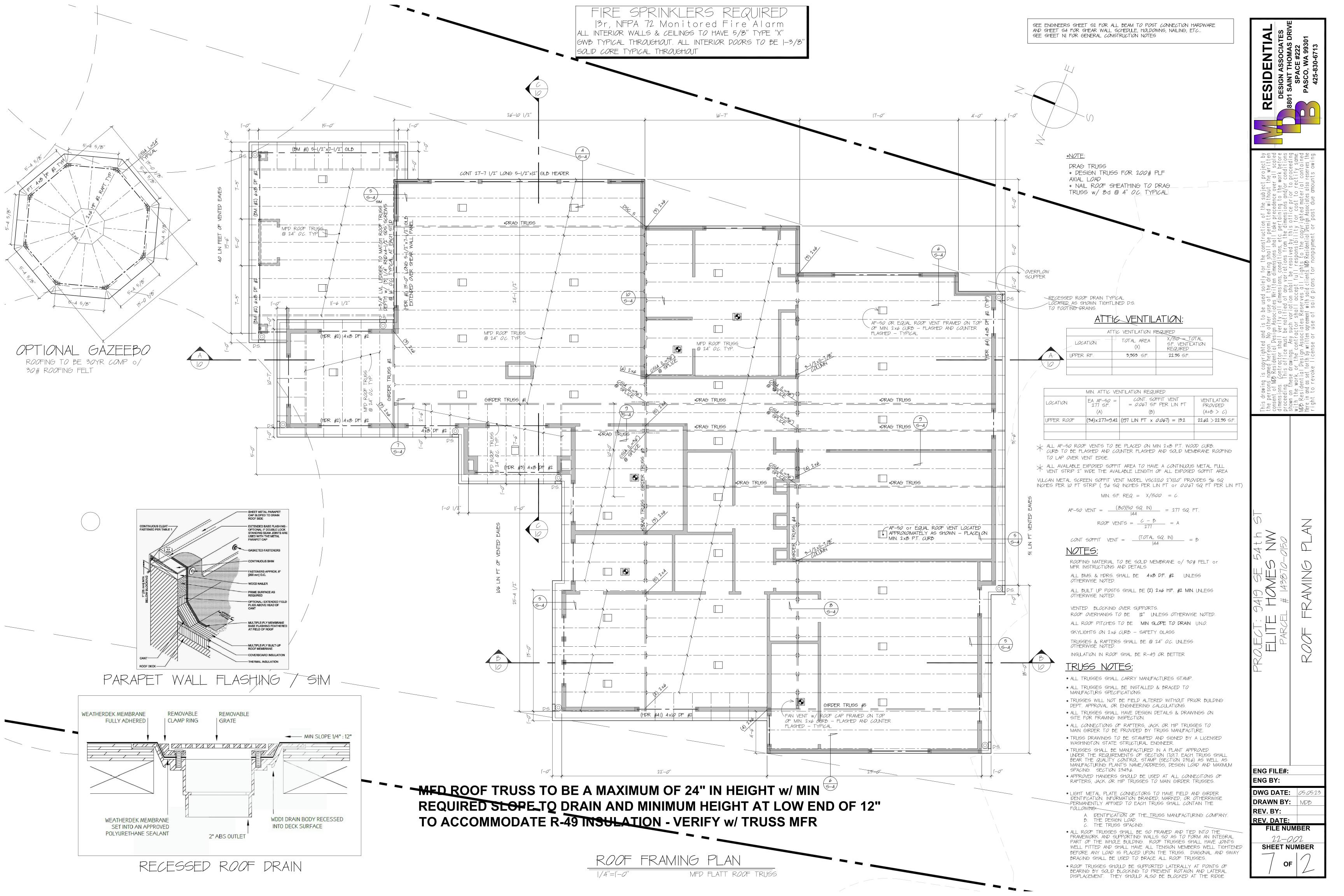






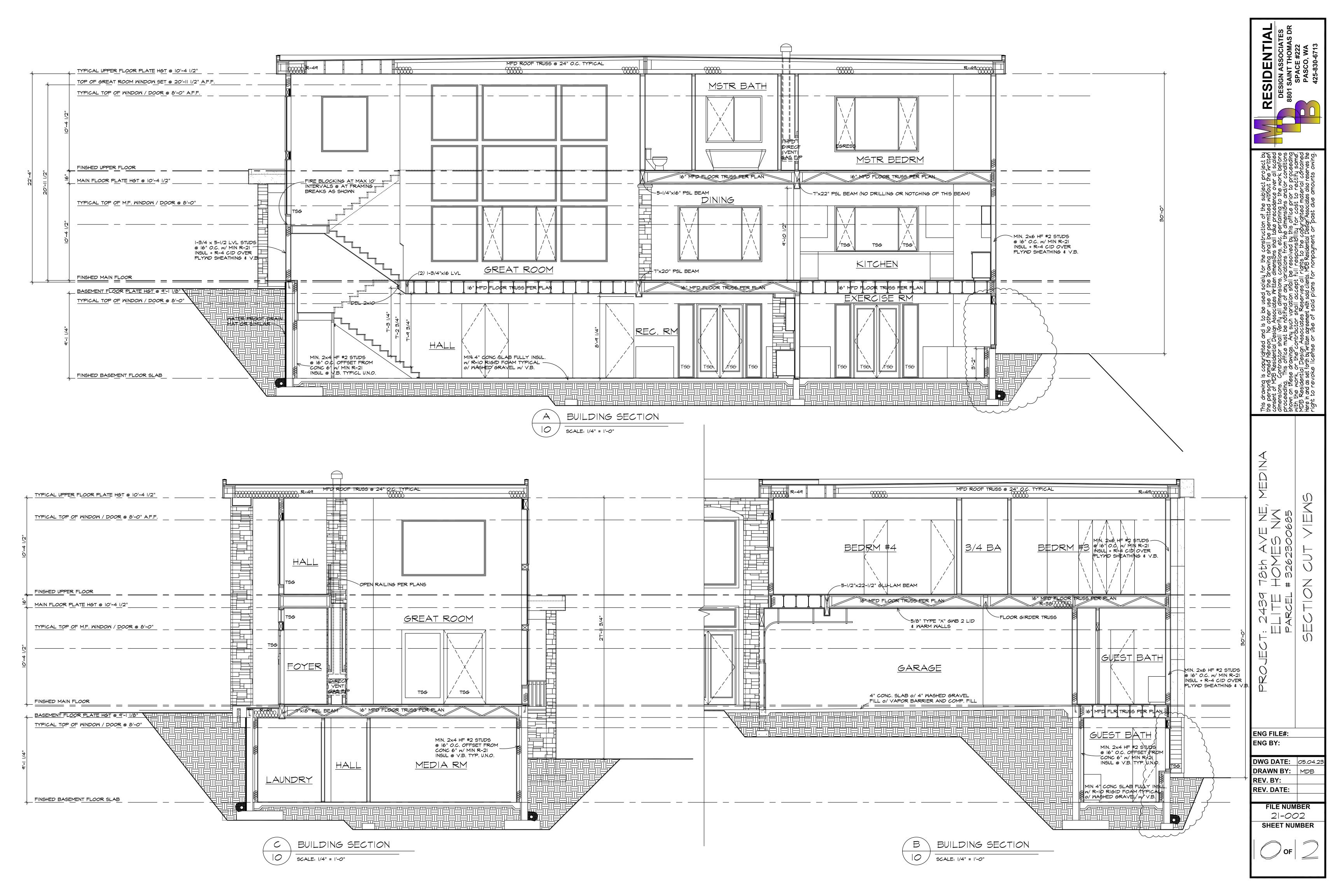


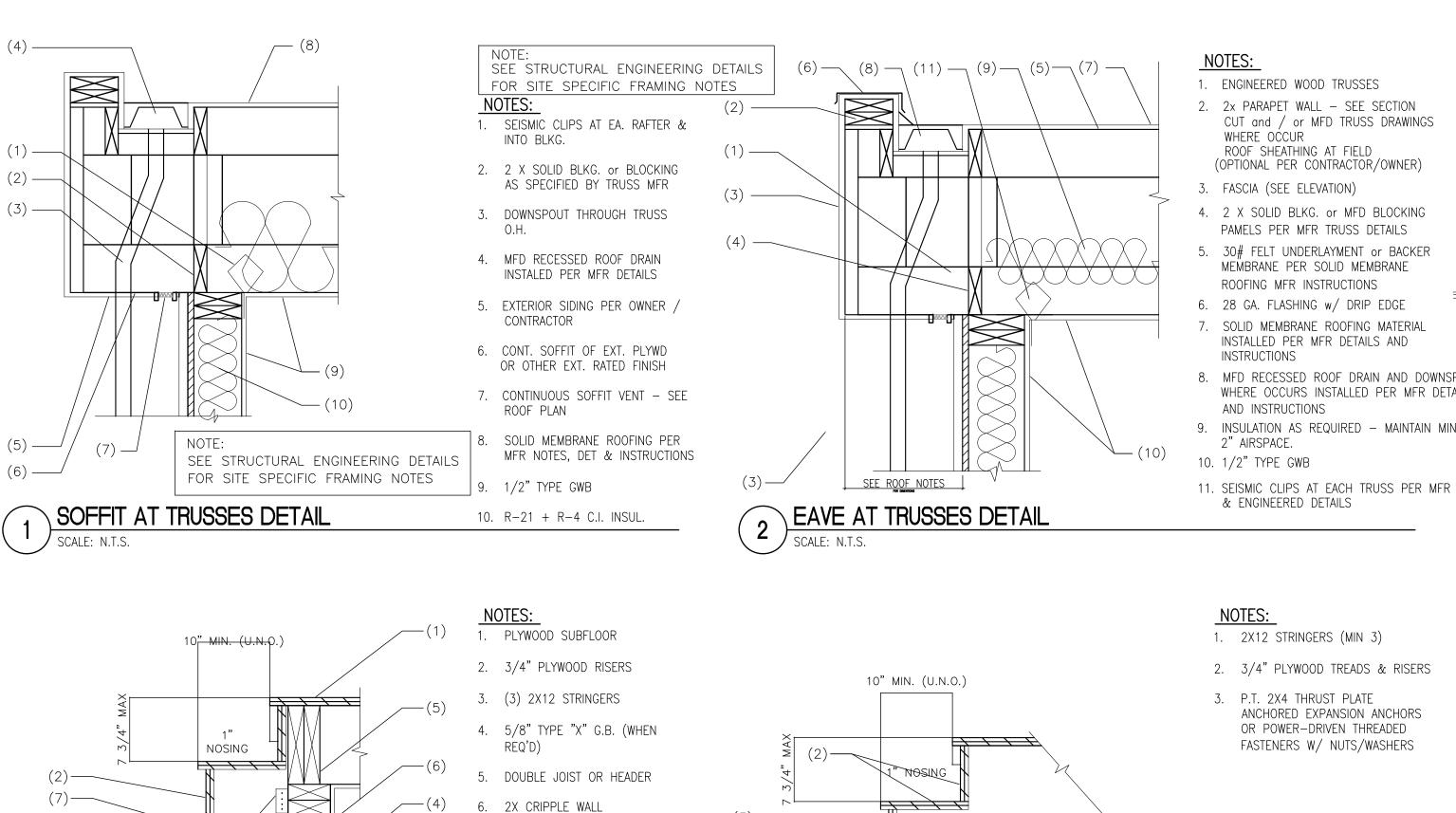












1. ENGINEERED WOOD TRUSSES 2. 2x PARAPET WALL - SEE SECTION CUT and / or MFD TRUSS DRAWINGS WHERE OCCUR ROOF SHEATHING AT FIELD 22 1/2" X 30" ROUGH OPENING (OPTIONAL PER CONTRACTOR/OWNER) 3. FASCIA (SEE ELEVATION) /—(9) — 4. 2 X SOLID BLKG. or MFD BLOCKING PAMELS PER MFR TRUSS DETAILS 5. 30# FELT UNDERLAYMENT or BACKER MEMBRANE PER SOLID MEMBRANE ROOFING MFR INSTRUCTIONS 6. 28 GA. FLASHING w/ DRIP EDGE SOLID MEMBRANE ROOFING MATERIAL INSTALLED PER MFR DETAILS AND (8) — INSTRUCTIONS 8. MFD RECESSED ROOF DRAIN AND DOWNSPOUT WHERE OCCURS INSTALLED PER MFR DETAILS AND INSTRUCTIONS 9. INSULATION AS REQUIRED - MAINTAIN MINIMUM 2" AIRSPACE.

> ANCHORED EXPANSION ANCHORS OR POWER-DRIVEN THREADED

FASTENERS W/ NUTS/WASHERS

1. IF OPEN RAIL IS USED OPENINGS

SHALL HAVE INTERMEDIAT RAILS

SUCH THAT A SPHERE 4" IN DIA.

OR AN ORNAMENTAL PATTERN

CANNOT PASS THROUGH.

2. CONT. HANDRAIL 34" TO 38"

3. 1/2" TYPE 'X' G.W.B. @ WALLS

STRINGERS EXCEED 16" O.C.

TYPICAL. NOT TO EXCEED 24"

5. (3) 2X12 STAIR STRINGERS

& LID OF USEABLE AREA BELOW

STAIRS. (2) LAYERS AT LID WHEN

ABOVE NOSING

4. 2X4 NAILER

ATTIC ACCESS DETAIL

10" MIN. (U.N.O.)

I"NOSING └┤

11 1 1

11111

STRINGER AT LANDING

ELEV.VIEW

TOP VIEW

4" MIN-6"MAX

(9)—

(12) —

(10) —

(4)

1. 2x10 OR TRUSS AS PER PLAN

2. R-49 BLOWN-IN TYP. 3. TRUSSES

4. OVERHANG 3/8" TO MAX. 1/2"

5. 5/8" G.W.B. 6. U BEAD

FINISH EDGE

8. 5/8" WHEN FRAMING AT 24" O.C.

1. 3/4" PLYWOOD TREADS & RISERS

9. WEATHER STRIP

NOTES:

2. CONT. 2X PLATE

3. PLYWOOD SUBFLOOR

4. (3) 2X12 STRINGERS

5. DOUBLE JOIST OR HEADER

PROVIDE MIN. 36" CLEAR

WIDTH AT STAIRWAYS

1. 2X FRAMING AT 16" O.C.

3. 3/8 X 3 1/2 SCREWS THROUGH

2. GYPSUM WALLBOARD

BLOCK TO STUDS

5. FLEXIBLE WATER CONNECTION

8. FLEXIBLE GAS CONNECTION

9. MIN 26 GA. 1 1/2 WIDE

APPROVED EARTHQUAKE

STRAPPING PRODUCT

GALVANIZED METAL STRAP OR

WASHINGTON STATE ARCHITECT

10. 18" HT MIN. W/H PLATFORM (SEE

WATER HEATER STRAPPING SHALL BE AT POINTS WITH THE UPPER

ONE-THIRD (1/3) AND LOWER

VERTICAL DIMENTIONS. AT THE

LOWER POINT A MIN. DISTANCE

MAINTAINED ABOVE THE CONTROLS

OF FOUR INCHES AHALL BE

WITH STRAPPING.

ONE-THIRD (1/3) OF ITS

4. 2X4 LEDGER

7. WATER HEATER

PLAN)

12. CONTROL.

6. VENT

NOTES:

(12) —

1. EXTERIOR SIDING--SEE ELEVATIONS 2. 2"TRIM SIDE 3. EXTERIOR VANEER STONE——SEE ELEVATIONS 4. CONT. WEATHER BARRIER (TYVEK OR SIM.) 5. 1/2" PLYWD. SHT'G 6. 2x6 STUDS 16" o.c. 7. 1/2" TYPE GWB

8. R-26 INSUL. 9. 2x6 P.T. PLATE SET IN BED OF SEALANT AND ANCHORED PER SHEARWALL SCHEDULE.

10. WOOD BASE OR PER CONTRACTOR/OWNER

11. 1/2" SLOPE 12. WATER DRIP LINE

\ EXT. WALL ASSEMBLY

(3)-

NOTES: 1. 2x FRAMING

> 2. PROVIDE RETURNS AT EA. END MITER CORNERS

3. 2X6 WOOD RAIL W/EASED EDGES

4. 2X3 CONT. SPACER

5. INTERIOR FINISH

A. HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS PER I.R.C. 311.7.7.2 AND SHALL BE CAPABLE OF WITHSTANDING A LOAD OF AT LEAST 200 LBS. APPLIED IN ANY DIRECTION AT ANY POINT ON THE RAIL.

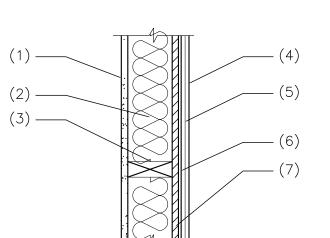
B. GUARDRAILS SHALL RESIST A 50 LB. PER LINEAL FOOT HORIZONTAL FORCE APPLIED AT RIGHT ANGLE TO TOP RAIL PER IBC 1607.7.1

HANDRAIL DETAIL

FORCED ARE EITHER STUCCO WIRE OR METAL LATH. REINFORCING

IS FASTENED TO SHEATHING. SHEATHING HAS TO BE RIGID ENOUGH TO REMAIN STIFF DURING THE PROCESS OF APPLYING THE STUCCO. IN SUCH AREAS 5/8" PLYWOOD IS RECOMENDED

STUCCO DETAIL



REINFORCING MATERIALS THROUGH WHICH THE PLASTER IS

6. 15 LB FELT APPROVED MOISTURE BARRIER LAPPED TO DRAIN.

11. WATER TIGHT FAN BENEATH WATER HEATER WITH DRAIN TO EXTERIOR.

1. GYPSUM BOARD OR GYPSUM VENEER FASTENERS AS PER CODE

2. BATT INSULATION

3. 2 X 6 WOOD STUDS - 16 " O.C. SOLID BLOCKING OR PLATES AS PER CODE; NAILING AS PER CODE REQUIREMENTS.

4. 3/8" THICK HOLNAM ONE COAT STUCCO

5. MIN. 1.75 EXPANDED DIAMOND MESH METAL LATH OR 20 GA. 1" GALV. STEEL WOVEN WIRE FABRIC FULLY EMBEDDED IN THE STUCCO.

7. PLYWOOD O.S.B., GYPSUM BOARD OR OTHER APPROVED SUBSTRATE APPROVED SUBSTRATE APPROVED SUBSTRATE CODE APPROVED NAILS OR STAPLES; SPACING AS PER CODE

ENG BY:

DWG DATE: 06.28.

FILE NUMBER 21 - 002SHEET NUMBER

REV. DATE:

DRAWN BY: REV. BY:

ENG FILE#:

 $\frac{1}{4}$

OF

STAIR SECTION DETAIL

STRINGER AT FLOOR

STAIR NOTES:

(1)

MIN. HEAD HT. TO BE 6'-8".

MIN. STAIR WIDTH TO BE 36"

PROVIDE HANDRAILS AT LANDINGS MIN. 36" HT. W/DIVIDERS

SPACED TO PREVENT PASSAGE OF A 4" SPHERE.

INTO BLKG. (2) -TRUSS MFR (3) — PROVIDE DRAIN AROUND ALL CONC. FOUNDATION WALLS THAT RETAIN EARTH AND IT SHALL BE DISCHARGED INTO AN APPV'D DRIANAGE SYSTEM. PROVIDE CRUSHED ROCK OR GRAVEL BASE AT LEAST 1'AT THE OUTSIDE AND 6"MIN. ON THE INSIDE OF THE FOOTING. FLOOR FINISH (10) 8. 2 X RIM JOIST 10. FLOOR FINISH

TYP. WALL SECTION

PROVIDE MIN. 36" CLEAR

STRINGER AT WALL

WIDTH AT STAIRWAYS

(3)

1. "SIMPSON" H10 SEISMIC CLIPS @ EA. RAFTER &

7. 1 1/4" PART. BD. BULLNOSE

8. 4X HEADER OR WALL (WHERE

9. "SIMPSON" LS50 EA. SIDE

10. 5/8" TYPE "X" G.W.B.

TYP. UNDER STAIR

OCCURS)

TREADS GLUED & SCREWED

(INSTALL AFTER ROOF ON)

A. STRINGERS SHALL BE FIRE BLOCKED AT BOTH TOP & BOTTOM. B. MAX. RISE TO BE 7 3/4". 2. 2 X SOLID BLKG. or BLOCKING AS SPECIFIED BY C. MIN. RUN TO BE 10".

3. MFD RECESSED ROOF DRAIN AND DOWNSPOUT

4. SOLID MEMBRANE ROOFING PER MFR INSTRUCTIONS - 30# FELT EA. COURSE - 1/2" RATED SHTH'G INDEX 32/16 MFG. TRUSSES - R-49 MIN. INSULATION -5/8" GYPSUM BD. CEILING

5. (SOFFIT EAVE SEE DETAIL 1 OPTIONAL)

SIDING (SEE ELEVATIONS) -WEATHER BARRIER -1/2" RATED SHEATHING -2 X 6 STUDS @ 16" O.C. -R-21 + R-4 C.I. INSULATION -1/2" GYPSUM BD.

-1/2" PART. BD. UNDERLAY -3/4" CDX PLYWOOD SUBFLOOR -FLOOR JOISTS PER PLAN -R-38 MIN. INSUL OVER UNHEATED -(OVER UNHEATED SPACES) -1/2" GYPSUM BD. CEILING

9. R-21 MIN. INSUL AT WALL LINE

-1/2" PART. BD. UNDERLAY -3/4" CDX PLYWOOD SUBFLOOR -FLOOR JOISTS PER PLAN -R-38 BATT INSUL OVER UNHEATED SPACE -CRAWLSPACE/BASEMENT

11. 2 X 6 P.T. MUDSILL WITH 5/8" DIA. A.B. @ 48" O.C. W/ BRG. > OR APPRVD EQ. (MIN. OF 2 PER PLATE & W/IN 12" OF ANY CORNER) MIN. 0.229X3X3

12. 4" ~ PERFORATED DRAIN TILE (TYP. WHERE REQ'D) SLOPED TO APPROVE WATER TREATMENT 13. REINFORCEMENT PER STRUCTURAL 14. REINFORCEMENT PER STRUCTURAL

15. 10" MIN. EMBED 16. REINFORCEMENT PER STRUCTURAL 17. 6 MIL BLACK "VISQUEEN" POLYETHYLENE OVERLAPPED 12" ON GROUND

18. REINFORCEMENT PER STRUCTURAL 19. FINISH GRADE AWAY FROM THE BUILDING SHALL SLOPE 6" IN THE FIRST 10' 20. DOWNSPOUT DRAIN (TYP. WHERE REQ'D) SLOPED TO

APPROVE WATER TREATMENT

RADIUS MAX 9/16" 10" MIN TREAD

6. 3/4" PLYWOOD RISERS , 7. 2X4 THRUST BLOCK 8. 1 1/4" PART. BD. BULLNOSE TREADS GLUED & SCREWED (INSTALL AFTER ROOF ON)

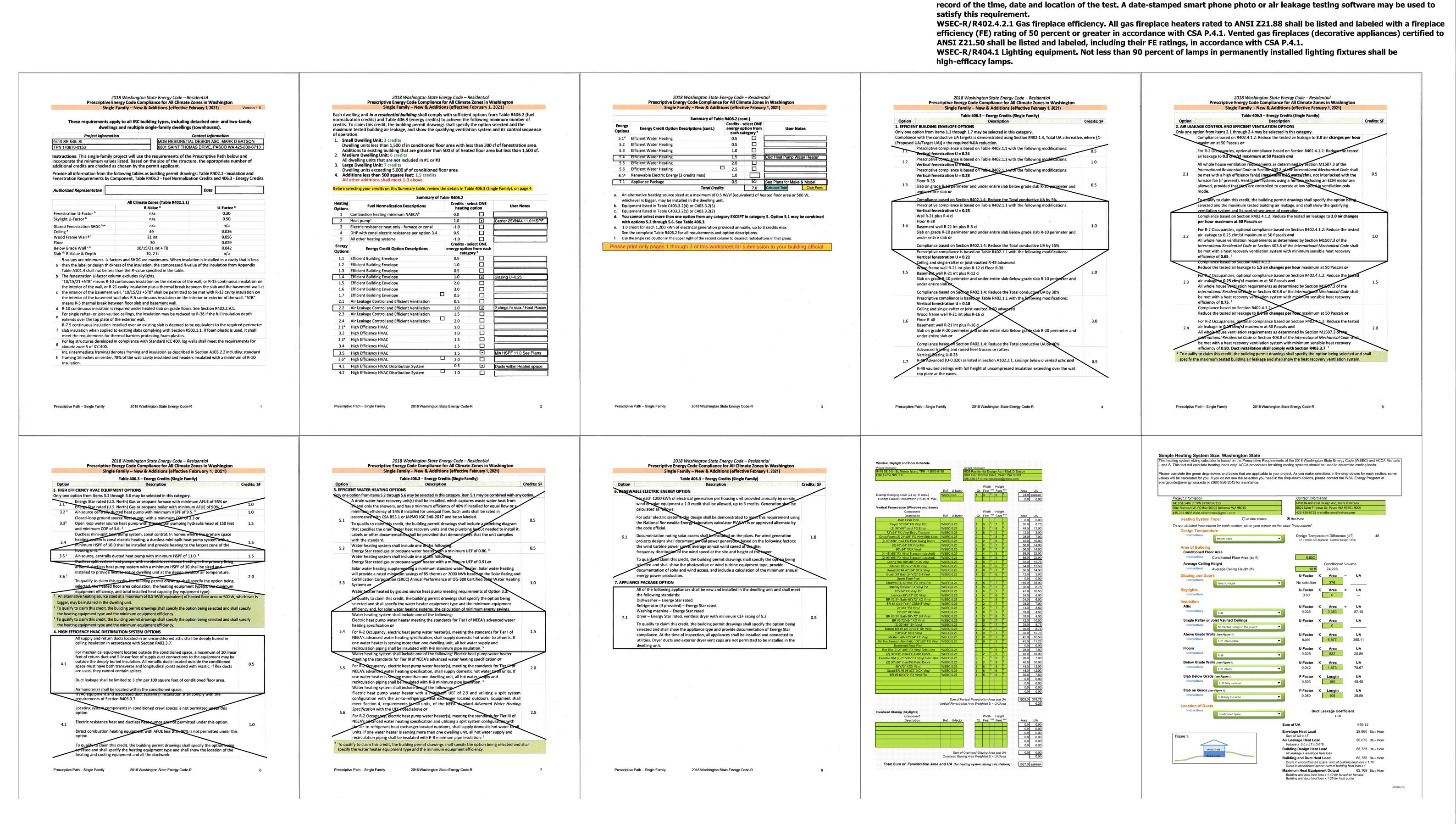
WATER HEATER DETAIL

4" MIN-6"MAX

THIS RESIDNECE IS DESIGNED PER THE:

1. 2018 INTERNATIONAL RESIDENTIAL CODE

- 2. 2018 INTERNATIONALN ENERGY CONSERVATION CODE of the STATE of MASHIGNTON
- 3. 2018 INTERNATIONAL MECHANICAL CODE
- 4. 2018 INTERNATIONAL PLUMBING CODE



RESIDENTIAL

DESIGN ASSOCIATES
8801 SAINT THOMAS DR
SPACE #222
PASCO, WA
425-830-6713

WSEC-R/R401.3 A permanent certificate shall be completed by the builder or other approved party and posted on a wall in the space where the furnace is located, a utility room, or an approved location inside the building. When located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label, or other required labels. The certificate shall list the predominant R-values of insulation installed in or on ceiling/roof, walls, foundation (slab, below-grade wall,

and/or floor) and ducts outside conditioned spaces; U-factors for fenestration and the solar heat gain coefficient (SHGC) of

fenestration; the results from any required duct system and building envelope air leakage testing done on the building; and the

results from the whole-house mechanical ventilation system flow rate test. Where there is more than one value for each component, the certificate shall list the value covering the largest area. The certificate shall list the types and efficiencies of heating, cooling,

whole house mechanical ventilation, and service water heating appliances. Where a gas-fired unvented room heater, electric furnace,

or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room heater," "electric furnace" or "baseboard electric heater," as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces or electric baseboard heaters. The code official may require that documentation for any required test results include an electronic

a and is to be used solely for the construction of the subject project by one use of the drawing shall be permitted without the writter. Design Associates Written dimensions shall take precedence over all scaled hall verify all dimensions, conditions, etc. pertaining to the work before nust be notified of any variations from the dimensions and/or conditions. Any such variation shall be resolved by this office prior to proceeding outractor shall accept full responsibility for cost to rectify same. Associates Reserves all rights to the copyrighted material contained then agreement with said clients. MDB Residential Design Associates also reserves the or use of said plans for nonpayment or past due amounts owing

HOMES NW

143870-0150

NERGY CODE FORM

 \mathcal{O}

ENG FILE#: ENG BY:

DWG DATE: 03.08.2
DRAWN BY: MDB
REV. BY:
REV. DATE:

FILE NUMBER
22-002
SHEET NUMBER

ENERGY

GENERAL REQUIREMENTS & DESIGN CRITERIA

BUILDING CODE & REFERENCE STANDARDS: THE "INTERNATIONAL BUILDING CODE", 2018 EDITION, GOVERNS THE DESIGN AND CONSTRUCTION OF THIS PROJECT. REFERENCE TO A SPECIFIC SECTION IN THE CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE MATERIALS REFERENCE STANDARDS NOTED BELOW. THE LATEST EDITION OF THE MATERIALS REFERENCE STANDARDS SHALL BE USED.

ARCHITECTURAL DRAWINGS: REFER TO THE ARCHITECTURAL DRAWINGS FOR INFORMATION INCLUDING. BUT NOT LIMITED TO: DIMENSIONS, ELEVATIONS, SLOPES, DOOR AND WINDOW OPENINGS, NON-BEARING WALLS, STAIRS, CURBS, DRAINS, DEPRESSIONS, RAILINGS, WATERPROOFING, FINISHES AND OTHER NONSTRUCTURAL ITEMS.

STRUCTURAL RESPONSIBILITIES: THE PE IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE PRIMARY STRUCTURE IN ITS COMPLETED STATE.

CONTRACTOR RESPONSIBILITIES: THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB RELATED SAFETY STANDARDS SUCH AS OSHA AND WSHA. THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING, BRACING AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE WORK REQUIRED IN THE CONSTRUCTION DOCUMENTS AND THE REQUIREMENTS FOR EXECUTING IT PROPERLY.

DISCREPANCIES: IN CASE OF DISCREPANCIES BETWEEN THESE GENERAL NOTES, THE CONTRACT DRAWINGS AND SPECIFICATIONS, AND/OR REFERENCE STANDARDS, THE ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

<u>SITE VERIFICATION:</u> THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR CONSTRUCTION. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ALL UNDERGROUND UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION OR DRILLING.

<u>WIND DESIGN:</u> BASIC WIND SPEED (3-SECOND GUST), V = 85 MPH (ASD); WIND IMPORTANCE FACTOR, IW = 1.0; OCCUPANCY CATEGORY = II; EXPOSURE CATEGORY = C;

SEISMIC DESIGN: SEISMIC IMPORTANCE FACTOR IE = 1.0; OCCUPANCY CATEGORY = II; SS = 1.441G; S1 = 0.50G: SITE CLASS = D: SDS = 1.153G: SD1 = 0.50G: SEISMIC DESIGN CATEGORY = D: BASIC SEISMIC FORCE RESISTING SYSTEM = A-13 (BEARING WALL SYSTEMS) LIGHT-FRAMED WALLS WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE; CS = 0.124; R = 6.5; ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE PER ASCE 7, SEC 12.8.

GROUND SNOW LOAD, PG = 20 PSF; FLAT ROOF SNOW LOAD, PF = 25 PSF (DRIFT LOADS CONSIDERED PER ASCE 7 WHERE APPLICABLE); SNOW EXPOSURE FACTOR, CE = 1.0; SNOW IMPORTANCE FACTOR, IS = 1.0; THERMAL FACTOR, CT = 1.0.

<u>LIVE LOADS:</u> ROOF (LIVE) 20 PSF ROOF (SNOW) 25 PSF RESIDENTIAL FLOOR 40 PSF RESIDENTIAL DECK 60 PSF

DEFERRED SUBMITTALS: ITEMS DESIGNED BY OTHERS SHALL INCLUDE CALCULATIONS, SHOP DRAWINGS AND PRODUCT DATA. DESIGN SHALL BE PREPARED BY THE SSE AND SUBMITTED TO THE ARCHITECT AND SER FOR REVIEW PRIOR TO SUBMISSION TO THE JURISDICTION FOR APPROVAL. THE SSE SHALL SUBMIT TO THE ENGINEER FOR REVIEW CALCULATIONS AND SHOP DRAWINGS THAT ARE STAMPED AND SIGNED BY THE SSE. REVIEW OF THE SSE'S SHOP DRAWINGS IS FOR GENERAL COMPLIANCE WITH DESIGN CRITERIA AND COMPATIBILITY WITH THE DESIGN OF THE PRIMARY STRUCTURE AND DOES NOT RELIEVE THE SSE OF RESPONSIBILITY FOR THAT DESIGN. ALL NECESSARY BRACING, TIES, ANCHORAGE, AND PROPRIETARY PRODUCTS SHALL BE FURNISHED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS OR THE SSE'S DESIGN DRAWINGS AND CALCULATIONS.

INSPECTIONS: ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL IN ACCORDANCE WITH IBC SEC 109. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL. SUBMIT COPIES OF ALL INSPECTION REPORTS TO THE ENGINEER FOR REVIEW.

PREFABRICATED CONSTRUCTION: ALL PREFABRICATED CONSTRUCTION SHALL CONFORM TO IBC SEC 1703.6.

<u>GEOTECHNICAL INSPECTION:</u> THE GEOTECHNICAL ENGINEER OR BUILDING OFFICIAL SHALL INSPECT ALL PREPARED SOIL BEARING SURFACES PRIOR TO PLACEMENT OF CONCRETE AND REINFORCING STEEL AND PROVIDE A LETTER TO THE OWNER STATING THAT SOILS ARE ADEQUATE TO SUPPORT THE "ALLOWABLE FOUNDATION PRESSURE" SHOWN BELOW. SOIL VALUES SHALL BE FIELD VERIFIED BY THE BUILDING OFFICIAL OR THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.

20220159E001 BY ASSOCIATED EARTH SCIENCES INC., DATED OCT. 3, 2022 WERE USED FOR RETAINING WALLS, FOOTING DESIGN.

DESIGN SOIL VALUES:

ALLOWABLE BEARING PRESSURE (ASSUMED) PASSIVE LATERAL PRESSURE 250 PSF/FT ACTIVE LATERAL PRESSURE (UNRESTRAINED) 35 PSF/FT 50 PSF/FT ACTIVE LATERAL PRESSURE (RESTRAINED) COEFFICIENT OF SLIDING FRICTION SEISMIC SURCHARGE COEFFICIENT

<u>SLABS-ON-GRADE & FOUNDATIONS</u>: ALL FOUNDATIONS SHALL BEAR ON STRUCTURAL COMPACTED FILL OR COMPETENT NATIVE SOIL PER THE GEOTECHNICAL REPORT. ALL SLABS-ON-GRADE SHALL BE FOUNDED ON APPROPRIATE SUB-GRADE PREPARATION AS NOTED IN THE GEOTECHNICAL REPORT. EXTERIOR PERIMETER FOOTINGS SHALL BEAR NOT LESS THAN 18 INCHES BELOW FINISH GRADE, OR BY THE GEOTECHNICAL ENGINEER AND THE BUILDING OFFICIAL. INTERIOR FOOTINGS SHALL BEAR NOT LESS THAN 12 INCHES BELOW FINISH FLOOR.

COMPACTION: UNLESS OTHERWISE SPECIFIED BY A GEOTECHNICAL ENGINEER, FOOTINGS SHALL BE PLACED ON COMPACTED MATERIAL AND SHALL BE WELL-GRADED GRANULAR MATERIAL WITH NO MORE THAN 5% PASSING A #2 SIEVE. FILLS PLACED SHALL BE IN MAXIMUM 8" LIFTS AND ALL BEARING SOILS SHALL BE COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT USING THE MODIFIED PROCTOR TEST.

CAST-IN-PLACE CONCRETE & REINFORCEMENT

REFERENCE STANDARDS: CONFORM TO:

(1) ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY". (2) IBC CHAPTER 19.

(3) ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE", SEC 3 "REINFORCEMENT AND REINFORCEMENT SUPPORTS."

SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301) WITH SELECTED ACI AND ASTM REFERENCES."

FIELD REFERENCE: THE CONTRACTOR SHALL KEEP A COPY OF ACI FIELD REFERENCE MANUAL, SP-15, "STANDARD

CONCRETE MIXTURES: CONFORM TO ACI 318 CHAPTER 5 "CONCRETE QUALITY, MIXING, AND PLACING."

MATERIALS: CONFORM TO ACI 318 CHAPTER 3 "MATERIALS" FOR REQUIREMENTS FOR CEMENTITIOUS MATERIALS, AGGREGATES, MIXING WATER AND ADMIXTURES.

ASTM A615, GRADE 60, DEFORMED BARS. REINFORCING BARS DEFORMED WELDED WIRE FABRIC ASTM A497

BAR SUPPORTS CRSI MSP-2, CHAPTER 3 "BAR SUPPORTS." 16.5 GAGE OR HEAVIER, BLACK ANNEALED.

TIE WIRE

MIX DESIGNS: PROVIDE A 5-SACK MINIMUM, 28-DAY COMPRESSIVE STRENGTH F'C = 2,500 PSI CONCRETE MIX WITH MAXIMUM 3/4" AGGREGATE AND 0.50 W/C RATIO FOR ALL ISOLATED POST AND CONTINUOUS WALL FOOTINGS, SLABS-ON-GRADE, AND BASEMENT WALLS EXTENDING NO MORE THAN 8" ABOVE FINISH GRADE ELEVATION. FOR BASEMENT WALLS EXTENDING MORE THAN 8" ABOVE FINISH GRADE AND ALL SITE WALLS, PROVIDE A 5-1/2 SACK MINIMUM F'C = 3,000 PSI CONCRETE MIX WITH MAXIMUM 3/4" AGGREGATE AND 0.50 W/C RATIO.

- (1) W/C RATIO: WATER-CEMENTITIOUS MATERIAL RATIOS SHALL BE BASED ON THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS.
- (2) CEMENTITIOUS CONTENT: THE USE OF FLY ASH, OTHER POZZOLANS, SILICA FUME, OR SLAG SHALL CONFORM TO ACI 301 SEC 4.2.2.8.B. MAXIMUM AMOUNT OF FLY ASH SHALL BE 20% OF TOTAL CEMENTITIOUS CONTENT UNLESS REVIEWED AND APPROVED OTHERWISE BY SER.
- (3) AIR CONTENT: CONFORM TO ACI 301 SEC 4.2.2.4. HORIZONTAL EXTERIOR SURFACES IN CONTACT WITH THE SOIL REQUIRE ENTRAINED AIR. USE "MODERATE EXPOSURE". VERTICAL EXTERIOR SURFACES REQUIRE "MODERATE EXPOSURE". TOLERANCE IS +/- 1-1/2%. AIR CONTENT SHALL BE MEASURED AT POINT OF PLACEMENT.
- (4) SLUMP: CONFORM TO ACI 301 SEC 4.2.2.2. SLUMP SHALL BE DETERMINED AT POINT OF PLACEMENT. (5) NON-CHLORIDE ACCELERATOR: NON-CHLORIDE ACCELERATING ADMIXTURE MAY BE USED IN CONCRETE SLABS PLACED AT AMBIENT TEMPERATURES BELOW 50F AT THE CONTRACTOR'S OPTION.

<u>FORMWORK</u>: CONFORM TO ACI 301 SEC 2 "FORMWORK AND FORM ACCESSORIES." REMOVAL OF FORMS SHALL CONFORM TO SEC 2.3.2 EXCEPT STRENGTH INDICATED IN SEC 2.3.2.5 SHALL BE 0.75 F'C.

MEASURING, MIXING, AND DELIVERY: CONFORM TO ACI 301 SEC 4.3.

HANDLING, PLACING, CONSTRUCTING AND CURING: CONFORM TO ACI 301 SEC 5.

REBAR FABRICATION & PLACING: CONFORM TO ACI 301, SEC 3.2.2 "FABRICATION", AND ACI SP-66 "ACI DETAILING MANUAL." CONFORM TO ACI 301, SEC 3.3.2 "PLACEMENT." PLACING TOLERANCES SHALL CONFORM TO SEC 3.3.2.1 "TOLERANCES."

SPLICES: CONFORM TO ACI 301, SEC 3.3.2.7. REFER TO PLANS FOR TYPICAL SPLICES.

FIELD BENDING: CONFORM TO ACI 301 SEC 3.3.2.8. "FIELD BENDING OR STRAIGHTENING." BAR SIZES #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. OTHER BARS REQUIRE PREHEATING. DO NOT TWIST BARS.

CORNERS BARS: PROVIDE MATCHING-SIZED "L" CORNER BARS FOR ALL HORIZONTAL WALL AND FOOTING BARS

<u>CONCRETE COVER</u>: CONFORM TO THE FOLLOWING COVER REQUIREMENTS FROM ACI 301, TABLE 3.3.2.3:

CONCRETE CAST AGAINST EARTH CONCRETE EXPOSED TO EARTH OR WEATHER (#5 & SMALLER) 1-1/2" BARS IN SLABS AND WALLS

CONSTRUCTION JOINTS: CONFORM TO ACI 301 SEC 2.2.2.5, 5.1.2.3A, 5.2.2.1, AND 5.3.2.6. CONSTRUCTION JOINTS SHALL BE LOCATED AND DETAILED AS ON THE CONSTRUCTION DRAWINGS. USE OF AN ACCEPTABLE ADHESIVE, SURFACE RETARDER, PORTLAND CEMENT GROUT, OR ROUGHENING THE SURFACE IS NOT REQUIRED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS. WHERE SHEAR BOND IS REQUIRED, ROUGHEN SURFACES TO 1/4" AMPLITUDE.

WOOD FRAMING

REFERENCE STANDARDS: CONFORM TO: (1) IBC CHAPTER 23 "WOOD".

WITH THE APPROPRIATE SPLICE LENGTH, UNO.

(2) NDS AND NDS SUPPLEMENT — "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", (3) ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION",

DEFERRED SUBMITTALS: SUBMIT PRODUCT DATA AND PROOF OF ICC APPROVAL FOR FRAMING MEMBERS AND FASTENERS THAT HAVE BEEN DESIGNED BY OTHERS. SUBMIT CALCULATIONS PREPARED BY THE SSE IN THE STATE OF WASHINGTON FOR ALL MEMBERS AND CONNECTIONS DESIGNED BY OTHERS ALONG WITH SHOP

DRAWINGS. ALL NECESSARY BRIDGING, BLOCKING, BLOCKING PANELS AND WEB STIFFENERS SHALL BE DETAILED AND FURNISHED BY THE SUPPLIER. TEMPORARY AND PERMANENT BRIDGING SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DEFLECTION LIMITS SHALL BE AS NOTED UNDER DESIGN LOADS SECTION.

IDENTIFICATION: ALL SAWN LUMBER AND PRE-MANUFACTURED WOOD PRODUCTS SHALL BE IDENTIFIED BY THE GRADE MARK OR A CERTIFICATE OF INSPECTION ISSUED BY THE CERTIFYING AGENCY.

- <u>SAWN LUMBER:</u> CONFORM TO GRADING RULES OF WWPA, WCLIB OR NLGA. FINGER JOINTED STUDS ACCEPTABLE AT INTERIOR WALLS ONLY.

STUDS & POSTS	2x, 4x	HEM-FIR	NO. 2
RAFTERS	2x4 - 2x10	HEM-FIR	NO. 2
BEAMS	4x8 - 4x12	HEM-FIR	NO. 2
BEAMS	6x8 - 6x12	HEM-FIR	NO. 2
POSTS & TIMBERS	6x, 8x	DOUG-FIR	NO. 2

- GLUED LAMINATED TIMBER: CONFORM TO AITC 117 "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUE-LAMINATED TIMBER OF SOFTWOOD SPECIES, MANUFACTURING AND DESIGN" AND ANSI/AITC A190.1 "STRUCTURAL GLUED LAMINATED TIMBER." CAMBER ALL GLUED LAMINATED MEMBERS BEAMS TO 2000' RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.

MEMBER USE	SIZES	<u>SPECIES</u>	STRESS CLASS	<u>USES</u>
BEAMS	ALL	DF/DF	24F-1.8E	SIMPLE SPANS
	ALL	DF/DF	24F-1.8E [(-FB)=(+FB)]	CANTILEVER SPANS

METAL PLATE CONNECTED WOOD ROOF TRUSSES: CONFORM TO IBC SEC 2303.4 "TRUSSES." - <u>WOOD STRUCTURAL SHEATHING (PLYWOOD)</u>: WOOD APA-RATED STRUCTURAL SHEATHING INCLUDES: ALL VENEER PLYWOOD, ORIENTED STRAND BOARD, WAFERBOARD, PARTICLEBOARD, T1-11 SIDING, AND COMPOSITES OF VENEER AND WOOD BASED MATERIAL. CONFORM TO PRODUCT STANDARDS PS-1 AND PS-2 OF THE U.S. DEPT. OF COMMERCE AND THE AMERICAN PLYWOOD ASSOCIATION (APA).

LOCATION	THICKNESS	SPAN RATING	PLYWOOD GRADE	EXPOSURE
ROOF	15/32"	32/16	C-D	1
FLOOR	23/32" T&G	24 OC	STURD-I-FLOOR	1
WALLS	15/32"	32/16	C-D	1
WALLS(ALT)	7 /16" OSB	24 /16	C = D	1

MINIMUM APA RATING

JOIST HANGERS AND CONNECTORS: SHALL BE "STRONG TIE" BY SIMPSON COMPANY OR USP EQUIVALENT AS SPECIFIED IN THEIR LATEST CATALOGS. ALTERNATE CONNECTORS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE CURRENT ICC APPROVAL FOR EQUIVALENT OR GREATER LOAD CAPACITIES AND ARE REVIEWED AND APPROVED BY THE SER PRIOR TO ORDERING. CONNECTORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE 1/2 OF THE NAILS OR BOLTS IN EACH MEMBER. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. UNLESS NOTED OTHERWISE ALL NAILS SHALL BE FULL LENGTH COMMON. NAIL STRAPS TO WOOD FRAMING AS LATE AS POSSIBLE IN THE FRAMING PROCESS TO ALLOW THE WOOD TO SHRINK AND THE BUILDING TO SETTLE.

- NAILS AND STAPLES: CONFORM TO IBC SEC 2303.6 "NAILS AND STAPLES." UNLESS NOTED ON PLANS, NAIL PER IBC TABLE 2304.9.1. UNLESS NOTED OTHERWISE ALL NAILS SHALL BE COMMON. NAIL SIZES SPECIFIED ON THE DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS: LENCTH DIAMETER

SIZE	LLINGIII	DIAMETER
8d	2-1/2"	0.131"
10d	3"	0.148"
(8d & 10d ALTERNATIVE) PASLODE TETRAGRIP NAILS	2-3/8"	0.113"
12d (16d SINKER)	3-1/4"	
16d	3-1/2"	0.162"

- <u>LAG BOLTS/BOLTS</u>: CONFORM TO ASTM A307.

NAILING REQUIREMENTS: PROVIDE MINIMUM NAILING IN ACCORDANCE WITH IBC TABLE 2304.9.1 "FASTENING SCHEDULE" EXCEPT AS NOTED ON THE DRAWINGS. NAILING FOR ROOF/FLOOR DIAPHRAGMS/SHEAR WALLS SHALL BE PER DRAWINGS. NAILS SHALL BE DRIVEN FLUSH AND SHALL NOT FRACTURE THE SURFACE OF SHEATHING.

STANDARD LIGHT-FRAME CONSTRUCTION: UNLESS NOTED ON THE PLANS, CONSTRUCTION SHALL CONFORM TO IBC SEC 2308 "CONVENTIONAL LIGHT-FRAME CONSTRUCTION" AND IBC SEC 2304 "GENERAL CONSTRUCTION REQUIREMENTS."

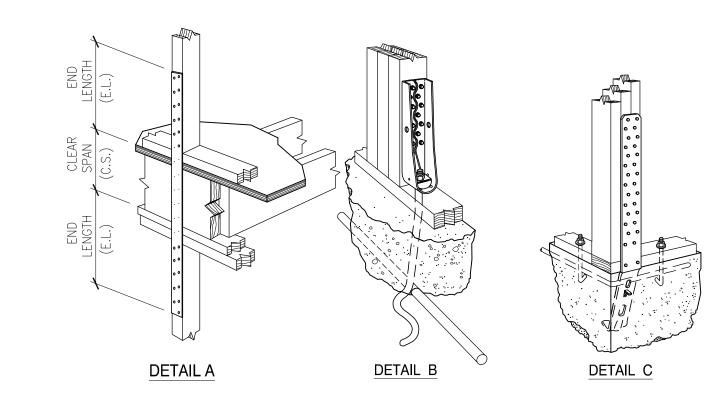
(1) <u>Wall Framing</u>: unless otherwise noted, all interior walls shall be 2x4 @ 16"oc and all EXTERIOR WALLS SHALL BE 2X6 @ 16"OC. PROVIDE (2)BUNDLED STUDS MIN AT WALL ENDS AND EACH SIDE OF ALL OPENINGS. UNO, ALL SOLID SAWN LUMBER HEADERS SHALL BE SUPPORTED BY A MINIMUM OF (1)TRIM AND (1)KING STUD AND ALL GLULAM OR ENGINEERED WOOD HEADERS BY (2)TRIM AND (2)KING STUDS. AT FRAMED WALLS, UNO, ALL SOLID SAWN LUMBER BEAMS SHALL BE SUPPORTED ON A MINIMUM OF (2) BUNDLED 2X STUDS AND ALL GLULAM OR ENGINEERED WOOD BEAMS ON A MINIMUM OF (3) BUNDLED 2X STUDS. STITCH-NAIL BUNDLED STUDS WITH (2)10D @ 12"OC. UNO, ALL INTERIOR AND EXTERIOR HEADERS SHALL BE 4X6. PROVIDE SOLID BLOCKING THRU FLOORS TO SUPPORTS BELOW FOR BEARING WALLS AND POSTS. UNO, ATTACH BOTTOM PLATES OF STUD WALLS TO WOOD FRAMING BELOW WITH 16D @ 12"OC OR TO CONCRETE WITH 5/8"-DIA. ANCHOR BOLTS X 7" EMBEDMENT AT 48"OC. REFER TO SHEAR WALL SCHEDULE FOR SPECIFIC SHEATHING, STUD, AND NAILING REQUIREMENTS AT SHEAR WALLS. UNO, PROVIDE GYPSUM SHEATHING ON INTERIOR SURFACES AND PLYWOOD SHEATHING ON EXTERIOR SURFACES.

(2) ROOF/FLOOR FRAMING: UNLESS OTHERWISE NOTED, PROVIDE DOUBLE JOISTS/RAFTERS UNDER ALL PARALLEL BEARING PARTITIONS AND SOLID BLOCKING AT ALL BEARING POINTS. PROVIDE DOUBLE JOISTS AROUND ALL ROOF/FLOOR OPENINGS. UNO, MULTI-JOISTS/RAFTERS SHALL BE STITCH-NAILED TOGETHER WITH (2)10D @ 12"OC. PROVIDE ROOF SHEATHING EDGE CLIPS CENTERED BETWEEN FRAMING AT UNBLOCKED PLYWOOD EDGES. ALL FLOOR SHEATHING SHALL HAVE TONGUE AND GROOVE JOINTS OR BE SUPPORTED BY SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF ROOF/FLOOR SHEATHING. ROOF/FLOOR SHEATHING SHALL BE LAID FACE GRAIN PERPENDICULAR TO FRAMING MEMBERS.

MOISTURE CONTENT: WOOD MATERIAL USED FOR THIS PROJECT SHALL HAVE MAXIMUM MOISTURE CONTENT OF 19% EXCEPT FOR THE PRESSURE-TREATED WOOD SILL PLATE.

PRESERVATIVE TREATMENT: WOOD MATERIALS ARE REQUIRED TO BE "TREATED WOOD" UNDER CERTAIN CONDITIONS IN ACCORDANCE WITH IBC SEC 2304.11 "PROTECTION AGAINST DECAY AND TERMITES". CONFORM TO THE APPROPRIATE STANDARDS OF THE AMERICAN WOOD-PRESERVERS ASSOCIATION (AWPA) FOR SAWN LUMBER, GLUED LAMINATED TIMBER, ROUND POLES, WOOD PILES AND MARINE PILES. FOLLOW AMERICAN LUMBER STANDARDS COMMITTEE (ALSC) QUALITY ASSURANCE PROCEDURES. PRODUCTS SHALL BEAR THE APPROPRIATE

METAL CONNECTORS/PT WOOD: CK ENGINEERING LLC RECOMMENDS THAT ALL METAL HARDWARE AND FASTENERS IN CONTACT WITH PRESSURE TREATED LUMBER BE STAINLESS STEEL TYPE 316L. AT THE OWNER'S RISK AND DISCRETION, HOT-DIPPED GALVANIZED METAL HARDWARE AND FASTENERS MAY BE INVESTIGATED FOR USE IN LIEU OF STAINLESS STEEL PROVIDED THAT THE FINISH HAS A MINIMUM ZINC CONTENT OF AT LEAST 1.85 OZ/SF AND ITS USE IS COORDINATED BY THE CONTRACTOR AND WOOD SUPPLIER FOR THE EXPECTED ENVIRONMENT AND MOISTURE EXPOSURE FOR APPROPRIATE USE BASED ON THE METHOD OF PRESERVATIVE TREATMENT OF THE



FASTENERS

	# (1)			REQUIRED (2,3)	DOUG-FIR	HEM-FIR
SIMPSON STRONG—TIE SLOTTED PLATE WASHERS STAGGERED ANCHOR BOLTS & 4½"x3"x0.229" PL WASHERS PER SW SCHED PER SW SCHED	HER CS14	FLR-TO-FLR STRAP (E.L.=19")	(30) 10d COMMON	2x STUD	2,490	2,490
W/ 5/8 "Ø ANCHOR BOLTS 3.43.40.220 PDS5/ 3	MST60	FLR-TO-FLR STRAP (CNTR'D ON C.S.)	(46) 16d COMMON	(2) 2x STUDS	6,235	5,405
3X3X0.229 BPS%-6 SPS%-6	MST72	FLR-TO-FLR STRAP (CNTR'D ON C.S.)	(62) 16d COMMON	(2) 2x STUDS	6,730	6,475
DOUBLE-SIDED SHEAR WALL	LSTHD8/RJ	CAST-IN-PLACE	(16) 16d SINKERS	(2) 2x STUDS ⁷	1,975	1,975
ANCHOR BOLT OPTIONS	STHD10/RJ	CAST-IN-PLACE	(18) 16d SINKERS	(2) 2× STUDS ⁷	2,640	2,640
NOTE: DIAG SLOTTED PL WASHER MAY BE USED W/ ADD'L CUT WASHER PER SW SCHED MAY BE USED W/ ADD'L CUT WASHER PER SW SCHED [SEE SW SCHED NOTES]	HDU8	SSTB28	(20) ¹ / ₄ "øx2 ¹ / ₂ " SDS WOOD SCREWS	(3) 2x STUDS	7,870	5,665
SHEAR WALL SHEATHING PER SW SCHED, TYP SHEAR WALL STUD PER SW SCHED, TYP HOLDOWN & ANCHOR BOLT PER	ED HDU11	SB1x30	(30) ¹ / ₄ "øx2 ¹ / ₂ " SDS WOOD SCREWS	6x6 DF#2 MIN.	9,335	
ADD'L LE WASHER MAY BE USED W/ HOLDOWN AB TO MEET SW AB REQM'T STRAP HOLDOWN PER HD SCHED (WHERE OCCURS) NAILING TO MATCH BOTTOM PLATE NAILI PER SW SCHED	JING HDU14	PAB8	(4) 1"ø	6X6 DF#2 MIN.	14,445	
EDGE NAIL SHEATHING PER SHEAR WALL SCHEDULE	EQUIVALENT 2. LOCATE ALL 3. BUNDLED EN 4. LOCATE "HDU	SPECIFIED ARE AS MANUFACTUE PRODUCT SUBSTITUTIONS ARE HOLDOWNS AT ENDS OF ALL: ID STUDS SHOULD BE STITCH- J#", "LSTHD#" & "STHD#" HOL E", "MST", "MSTC#" & "CMST#	AVAILABLE FROM OTHI SHEAR WALLS & FAST NAILED TOGETHER US DOWNS AT CONCRETE	ER MANUFACTURERS EN TO BUNDLED EN ING MINIMUM (2) 1 FOUNDATION LEVEL	WITH SER A ID STUDS. 6d @ 10"OC (DETAIL B	APPROVAL. , UNO. & C)

TYPICAL PLAN VIEW -SHEAR WALL HOLDOWNS & ANCHOR BOLTS

SHEAR WALL SCHEDULE

SCALE: 1'' = 1'-0''

HOLDOWN SCHEDULE
8. INSTALL ALL HOLDOWN HARDWARE PER MANUFACTURER'S INSTRUCTIONS & RECOMMENDATIONS.
USE "RJ" STYLE WITH "STHD" WHERE RIM JOIST IS PRESENT.
7. ADDITIONAL END STUD REQUIRED TO MEET MINIMUM $1\frac{1}{2}$ " EDGE DISTANCE FROM CONCRETE CORNER TO "STHD" STRAP.
6. USE "SSTB" FOR 2x SILL PLATES & "SSTBL" FOR 3x SILL PLATES.

UOFDOMN 20UFDOFF

5. ALL HOLDOWN ANCHOR BOLTS SHALL BE MIN 5" FROM CONCRETE WALL ENDS.

ANCHORAGE TYPE (4,5,6)

SCALE: N.T.S.

		W	OOD-FRAMED	SHEAR WALL	SCHEDUL	 E			
		• •		-FIR/DOUG-FIR STUD FRAMII		. _			
SW	SW SHEATHING	NAIL SIZE &	BOTTOM PLATE & EDGE N RIM JOIST OR BLOCKING REQUIREMENTS			SILL PLATE REQUIREMENTS		SHEAR LOAD	
TYPE	APA-RATED [1, 2, 12]	SPACING @ PANEL EDGES [4, 5, 6]	ATTACHMENT TO TOP PLATE BELOW [8, 9]	SHEAR NAILING TO WOOD FRAMING BELOW	BOTTOM PL AT FRAMING	ANCHOR BOLT TO CONCRETE FOUNDATION [10]	SILL PL AT FOUNDATION [11]	CAPACITY (PLF)	
SW-6	15/32" CD-EXT	0.131"ø x 2 ¹ / ₂ " @ 6"OC	CLIP @ 18"0C	0.148"ø x 3 ¹ / ₄ " @ 6"0C	2x	⁵ / ₈ "ø ⊚ 48"OC	P.T. 2x	242	
CM 4	45 /70" OD 5VI	0.474"	0.474"a 01/"	0.15.0.4.20.0	71/" 0 4"00	7	⁵ / ₈ "ø @ 32"0C	P.T. 2x	75.7
SW-4 15/32" CD-EXT	@ 4"OC	CLIP @ 14"OC	0.148 "ø x $3\frac{1}{4}$ " @ 4"OC	3x	⁵ / ₈ "ø @ 48"0C	P.T. 3x [15]	353		
011/ 7	45 /70" OD 5VT	0.131"ø x 2 ¹ / ₂ " @ 3"OC, STAGGERED	0.131"ø x 2 ¹ / ₂ "	0.131 ° × $2^{1}/2$ °	0.148"ø x 3 ¹ / ₄ " @ 4"0C	7	⁵ / ₈ "ø @ 24"0C	P.T. 2x	
SW-3	15/32" CD-EXT		CLIP @ 12"0C	& CLIP @ 18"0C	3x	⁵ / ₈ "ø @ 32"00	P.T. 3x [15]	456	
	45 /70" OD 5VT	0.131 "ø x $2^{1}/_{2}$ "	CLIP @ 8"OC	0.148"ø x 3 ¹ / ₄ " @ 4"0C & CLIP @ 16"0C	•	⁵ / ₈ "ø @ 16"0C	P.T. 2x		
SW-2	15/32" CD-EXT	@ 2"OC, STAGGERED			3x	⁵ / ₈ "ø @ 24"0C	P.T. 3x [15]	595	
2SW-4	15/32" CD-EXT BOTH SIDE	0.131"ø x $2^{1}/_{2}$ " @ 4"OC, STAGGERED	CLIP @ 6"OC	0.148"ø x 3 ¹ / ₄ " @ 4"0C & CLIP @ 12"0C	3x	⁵ / ₈ "ø ⊚ 24"OC	P.T. 3x	707	
2SW-3	15/32" CD-EXT BOTH SIDE	0.131"ø x $2^{1}/_{2}$ " @ 3"OC, STAGGERED	CLIP @ 8"OC BOTH SIDES, STAGGERED	0.148"ø x 3 ¹ / ₄ " @ 4"0C & CLIP @ 8"0C	3x [15]	⁵ ∕ ₈ "ø @ 16"OC	P.T. 3x	911	
2SW-2	15/32" CD-EXT BOTH SIDE	0.131"ø x $2^{1}/_{2}$ " @ 2"OC, STAGGERED	CLIP @ 6"OC BOTH SIDES, STAGGERED	0.148"ø x 3 ¹ / ₄ " @ 4"0C & CLIP @ 5"0C	3x	⁵ ∕ ₈ "ø @ 12"OC	P.T. 3x	1190	

SCALE: N.T.S.

1. INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY

DESIGNATED ON PLANS. HOLDOWN REQUIREMENTS PER PLANS.

- 2. WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 2x FRAMING SHALL BE STAGGERED SO THAT JOINTS ON OPPOSITE SIDES ARE NOT LOCATED ON THE SAME
- 3. BLOCKING IS REQUIRED AT ALL PANEL EDGES.
- 4. PROVIDE SHEAR WALL SHEATHING AND NAILING FOR ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS, OR DOORWAYS OR AS
- 5. SHEAR WALLS DESIGNATED AS PERFORATED SHEAR WALLS REQUIRE SHEATHING, SHEAR WALL NAILING, ETC. ABOVE AND BELOW ALL OPENINGS).
- 6. SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLDOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLDOWN POSTS. ADDITIONAL INFORMATION PER HOLDOWN SCHEDULE & DETAILS.
- WITH 0.148"Ø x $2\frac{1}{2}$ " NAILS AT 12"OC WHERE STUDS ARE SPACED AT 16"OC AND 0.148"Ø x $2\frac{1}{2}$ " NAILS AT 6"OC WHERE STUDS ARE SPACED AT 24"OC. 8. BASED ON 0.131"0 x $1\frac{1}{2}$ " NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE
- 0.131"Ø x $2\frac{1}{2}$ " nails where installed over sheathing. 9. FRAMING CLIPS: SIMPSON "A35" OR "LTP5" OR APPROVED EQUIVALENT.
- WOOD-FRAMED SHEAR WALL SCHEDULE

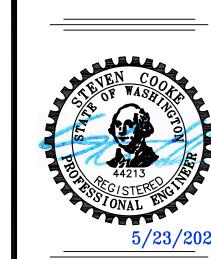
- 10. ANCHOR BOLTS SHALL BE PROVIDED WITH HOT-DIPPED GALVANIZED STEEL PLATE WASHERS 3"x3"x0.229"(MIN). THE HOLE IN THE PLATE WASHER MAY BE DIAGONALLY SLOTTED $\frac{13}{16}$ "x1 $\frac{3}{4}$ " PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND NUT. PLATE WASHER TO EXTEND TO WITHIN $\frac{1}{2}$ OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH SHEATHING. WHERE SHEAR WALLS ARE SHEATHED ON BOTH SIDES OF 2x6 WALL FRAMING, USE 4.5"x4.5"x0.229"(MIN) PLATE WASHERS. EMBED ANCHOR BOLTS 7" MINIMUM INTO THE CONCRETE. 11. PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES
- (FRAMING ANGLES, ETC.) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS. ADDITIONAL INFORMATION PER STRUCTURAL NOTES. 12. WHERE WOOD SHEATHING IS APPLIED OVER GYPSUM SHEATHING, CONTACT THE ENGINEER OF RECORD
- FOR ALTERNATE NAILING REQUIREMENTS. 7. INTERMEDIATE FRAMING TO BE 2x MINIMUM MEMBERS. ATTACH SHEATHING TO INTERMEDIATE FRAMING 13. AT ADJOINING PANEL EDGES, (2) 2x STUDS NAILED TOGETHER MAY BE USED IN PLACE OF SINGLE 3x
 - STUD. DOUBLE 2X STUDS SHALL BE CONNECTED TOGETHER BY NAILING THE STUDS TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING AND DIAMETER AS THE PLATE NAILING. 14. CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR ADHESIVE OR EXPANSION BOLT ALTERNATIVES
 - TO CAST-IN-PLACE ANCHOR BOLTS. SPECIAL INSPECTION MAY BE REQUIRED. 15. NAIL STUDS TO 3x BOTTOM/SILL PLATES WITH EITHER (2) 0.148"Øx4" END NAILS OR
 - (4) 0.131" $0 \times 2 \frac{1}{2}$ " TOENAILS.



CAPACITY (LBS)

END STUD

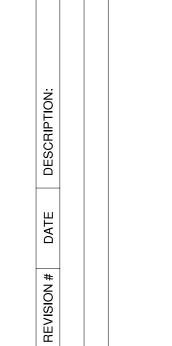
REQUIRED (2,3



19 ISI



O



Drawn By: PK Checked By: SC Date: 5-23-2023

CK JOB NO.

STRUCTURAL NOTES/SCHED.

9419 (CER ISL

NOH HO

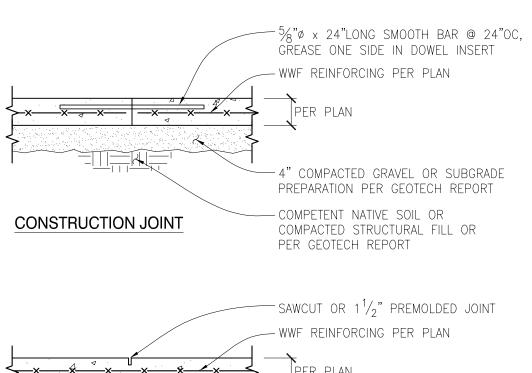
Ш

Date: 5-23-2023 CK JOB NO. 22-053

Drawn By: PK

Checked By: SC

STRUCTURAL **DETAILS**



4" COMPACTED GRAVEL OR SUBGRADE PREPARATION PER GEOTECH REPORT - COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL OR **CONTROL JOINT** PER GEOTECH REPORT

TYPICAL SLAB ON GRADE JOINT DETAILS

SCALE: N.T.S.

WALL FRAMING PER PLAN, SHEAR WALL WHERE OCCURS -p.t. sill ${\mathbb R}$ w/ anchor bolts

PANEL EDGE NAILING PER

16" OC, HORIZ. & VERT.

CONC FOOTING w/(2) #4

BARS, CONT. @ MID DËPTH

- ALTERNATE HOOKS

SHEAR WALL SCHED.

PER SW6 SCHEDULE OR NOTES

8" CONC STEM WALL w/#4 @

T/GRADE

B/FOOTING

VARIES •

1. FOR CONSTRUCTION OR CONTROL JOINT LOCATIONS REFERENCE FOUNDATION/SLAB PLAN 2. USE "SOFTCUT SAW" AS SOON AS POSSIBLE WITHOUT CAUSING RAVELING OF CONCRETE EDGES. SAWCUT ALONG SHORT DIRECTION OF POUR FIRST

3. PROVIDE CONSTRUCTION/CONTROL JOINT TO ENCLOSE APPROXIMATE SQUARE AREAS OF 225 SF MAX

<u>JIES:</u>
WALL SIZE & REINFORCING PER PLAN. 2. CORNER BARS SIZE & SPACING TO MATCH HORIZONTAL REINFORCING.

AT CORNERS

SLAB ON GRADE &

STEEP AS POSSIBLE —

COMPETENT NATIVE SOIL OR

OR PER GEOTECH REPORT ---

COMPACTED STRUCTURAL FILL

REINFORCING PER PLAN —

- CORNER BARS TO

REINFORCING

MATCH CROSS WALL

TYPICAL CORNER BARS AT CONCRETE WALLS - SINGLE MAT 3 SCALE: N.T.S.

ALTERNATE HOOK <

SPLICE LENGTH LENGTH 28" 36"

AT INTERSECTIONS

#4 x <u>24"</u> @ 24"0C

-#4 CONTINUOUS, TOP

-SIDEWALK OR GRADE

ELEVATION PER PLAN

AWAY



€ COLUMN

& FOOTING

ADD ADDITIONAL STUDS @ HOLDOWN

CORNER BARS TO

-INTERSECTING WALL

REINFORCING

MATCH CROSS WALL

STRAPS OR FLOOR-TO-FLOOR

ANCHOR BOLTS & PL WASHERS

T/FOUNDATION WALL

T/FOOTING

PER SHEAR WALL SCHEDULE —

P.T. BOTTOM PLATE ~

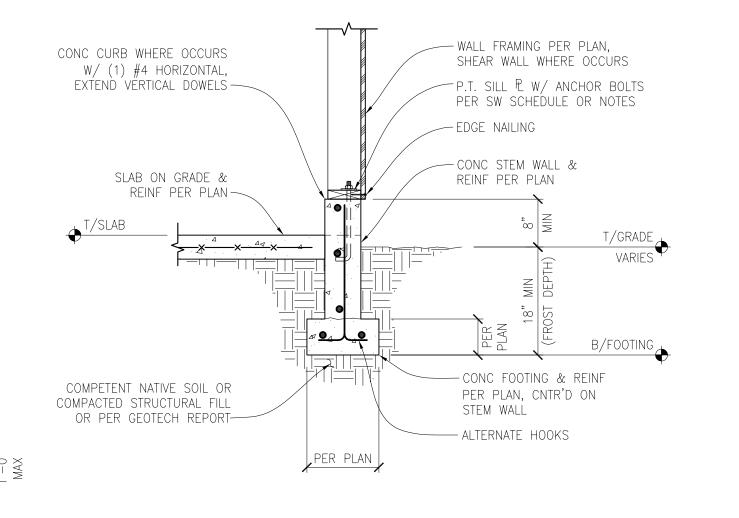
CONCRETE FTNG PER PLAN —

COMPETENT NATIVE SOIL OR

PER GEOTECH REPORT /

COMPACTED STRUCTURAL FILL OR

CONNECTIONS -





45 DEGREE ANGLE BEVEL CUT

4" SLAB ON GRADE PER PLAN —

RIDGED INSULATION

OR PER GEOTECH REPORT-

COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL

PER ARCH.—

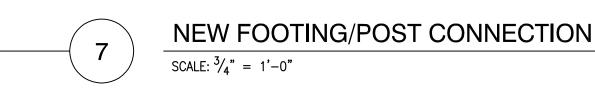
OR PER ARCH. —

—<u>×</u>—×— 4

SCALE: $\frac{3}{4}$ " = 1'-0"



PER PLAN

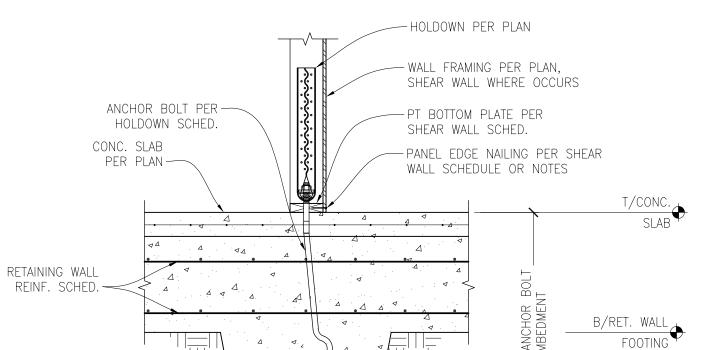


T/GRADE

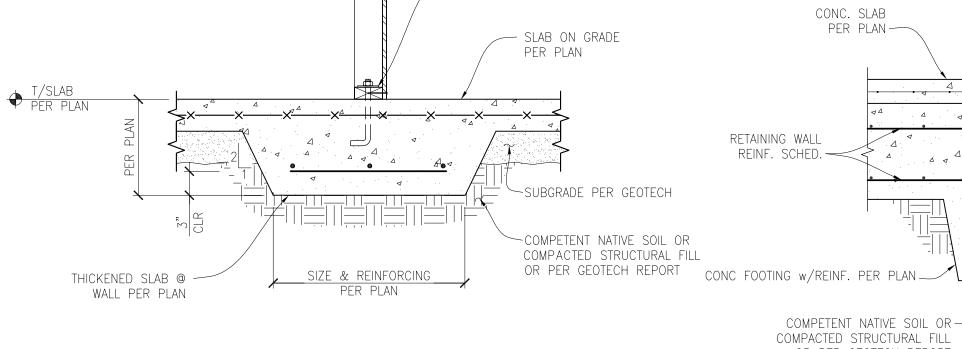
B/FOOTING

-BEARING/SHEAR WALL PER PLAN

PT SILL PL W/ ANCHOR BOLT PER SHEAR WALL SCHEDULE OR NOTES



SIZE & REINFORCING PER PLAN







OR PER GEOTECH REPORT

TYPICAL FOUNDATION FOOTING AND STEM WALL WITH SLAB ON GRADE

SCALE: $\frac{3}{4}$ " = 1'-0"

45 DEGREE ANGLE BEVEL CUT —

4 ½" SLAB ON GRADE w/WWF 6x6-W2.1xW2.1, MID DEPTH—

RIDGED INSULATION

COMPETENT NATIVE SOIL OR

OR PER GEOTECH REPORT-

COMPACTED STRUCTURAL FILL

PER ARCH.

SPLICE LENGTH LENGTH | WALL/FLR FRAMING ABOVE | NOT SHOWN FOR CLARITY T/GRADE WALL VERTICAL REINF (CONT W/ BEND OR FTG DOWEL TO MATCH) PER SCHEDULE -WALL HORIZONTAL REINF -PER SCHEDULE #4 x 24" @ 16"OC — - PROVIDE FREE-DRAINING MATERIAL MIN 12" THICK T/FOOTING FTG TOP TRANSV REINF PER SCHED

	RETAINING WALL/FOOTING SCHEDULE									
		WALL FOOTING								
SIZE REINFORCEMENT			SIZE REINFORCEMENT					IENT		
HT (MAX)	THK	VERTICAL	HORIZONTAL	TOE	HEEL	DEPTH	TOP/TRANSV	TOP/LONGIT	BOTTOM/LONGIT	
4'-0"	8"	#4 @ 12"OC	#4 @ 12"OC	1'-0"	1'-0"	10"	#4 @ 10"OC	(3) #4	(2) #4	
6'-0"	8"	#4 @ 8"OC	#4 @ 12"OC	1'-9"	1'-6"	10"	#4 @ 10"OC	(3) #4	(2) #4	
8'-0"	8"	#5 @ 10"OC	#4 @ 12"OC	3'-0"	2'-0"	14"	#5 @ 12"OC	(5) #5	(4) #5	
10'-0"	10"	#7 @ 10"OC	#4 @ 12"OC	4'-0"	3'-0"	18"	#5 @ 9"OC	(8) #5	(6) #5	
11'-0"	10"	#7 @ 8"OC	#4 @ 12"OC	4'-6"	3'-0"	18"	#5 @ 8"OC	(8) #5	(6) #5	

BASEMENT RETAINING WALL AND SCHEDULE

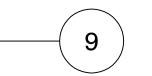
SCALE: N.T.S.

FTG TOP LONGIT

REINF PER SCHED \

FTG BOTT LONGIT REINF

PER SCHEDULE



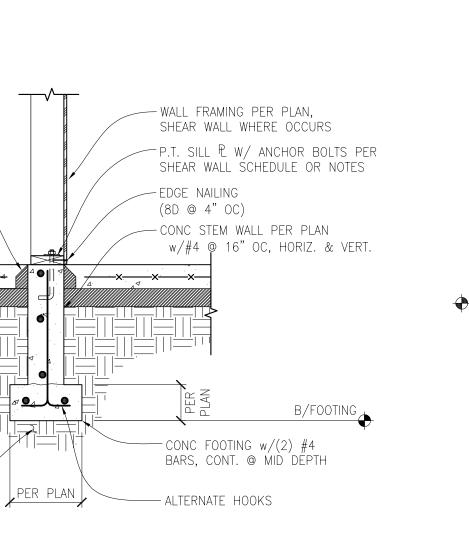
- CONT FTG DRAINAGE PER

OR STORM SYSTEM

- DOWEL TO MATCH

VERT REINF

CIVIL - DRAIN TO DAYLIGHT





SCALE: 1" = 1'-0"

11

SHEAR WALL SCHEDULE T/FIN GRADE - ANCHOR BOLT & EMBED PER HOLDOWN SCHEDULE — CONCRETE STEM WALL

-BUNDLED STUDS PER PLAN

OR @ HOLDOWN LOCATIONS

-HOLDOWN PER PLAN &

-ADD'L P WASHER &

ANCHOR BOLTS PER

NUT @ HOLDOWN

SCHEDULE

PER PLAN

PER PLAN

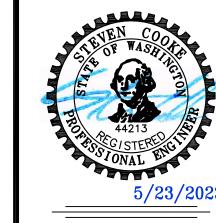
- CONCRETE FOOTING

-POST AND CB BASE PER PLAN

-12" \emptyset CONC. COLUMN w/(3) #4 BARS (VERT.) & #3 STIRRUPS @

B/FOOTING

B/FOOTING



HSS POST TO BASE PLATE CONNECTION

SCALE: $\frac{3}{4}$ " = 1'-0"

 \geq

JE

HON

Ш

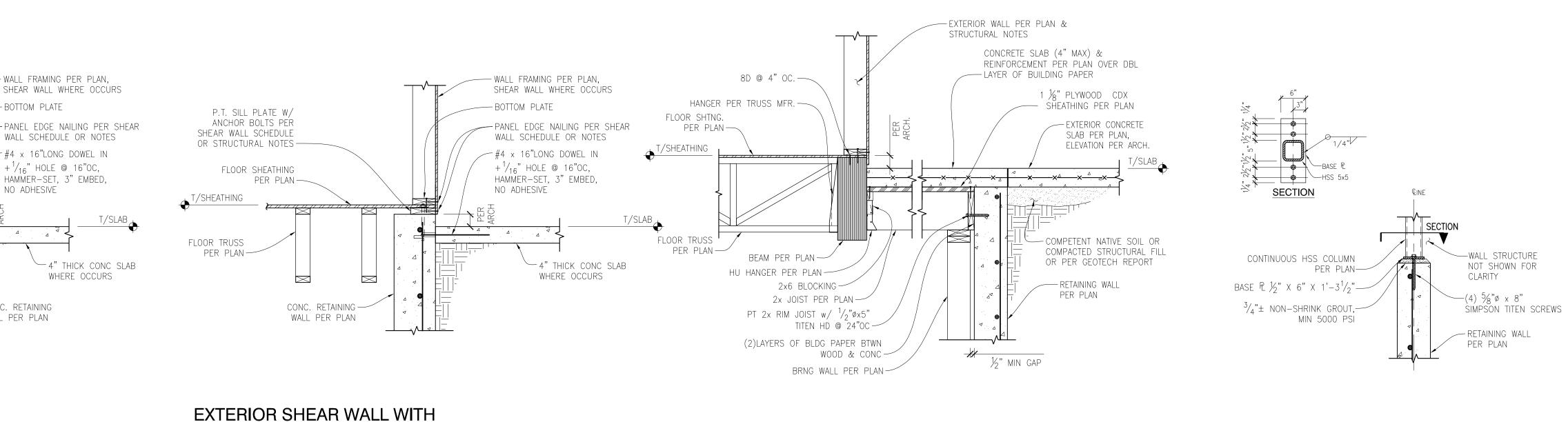
Drawn By: PK Checked By: SC Date: 5-23-2023

CK JOB NO.

22-053

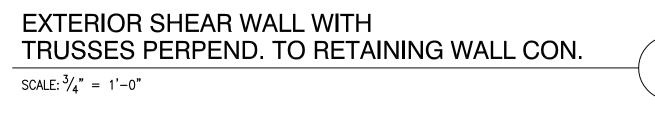
STRUCTURAL

DETAILS



SCALE: $\frac{3}{4}$ " = 1'-0"

FLOOR BEAM/JOIST/CONC. SLAB/RET. WALL CON.



P.T. SILL PLATE W/

ANCHOR BOLTS PER

FLOOR SHEATHING

PER PLAN —

½" MIN GAP

SHEAR WALL SCHEDULE

T/SHEATHING

FLOOR TRUSS

PER PLAN —

OR STRUCTURAL NOTES -

— WALL FRAMING PER PLAN,

SHEAR WALL WHERE OCCURS

WALL SCHEDULE OR NOTES

 $-#4 \times 16$ "LONG DOWEL IN $+\frac{1}{16}$ " HOLE @ 16"OC,

HAMMER-SET, 3" EMBED,

WHERE OCCURS

- FOUNDATION STEM WALL

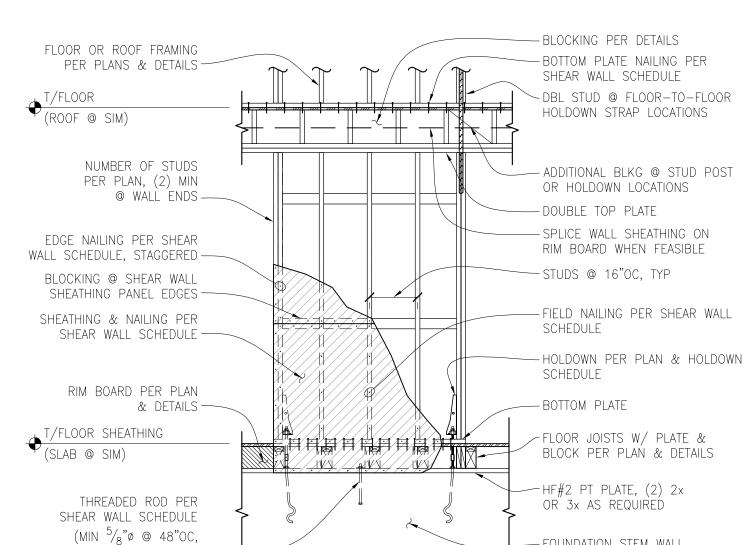
-FOOTING @ PERIMETER

PERIMETER

NO ADHESIVE

- CONC. RETAINING

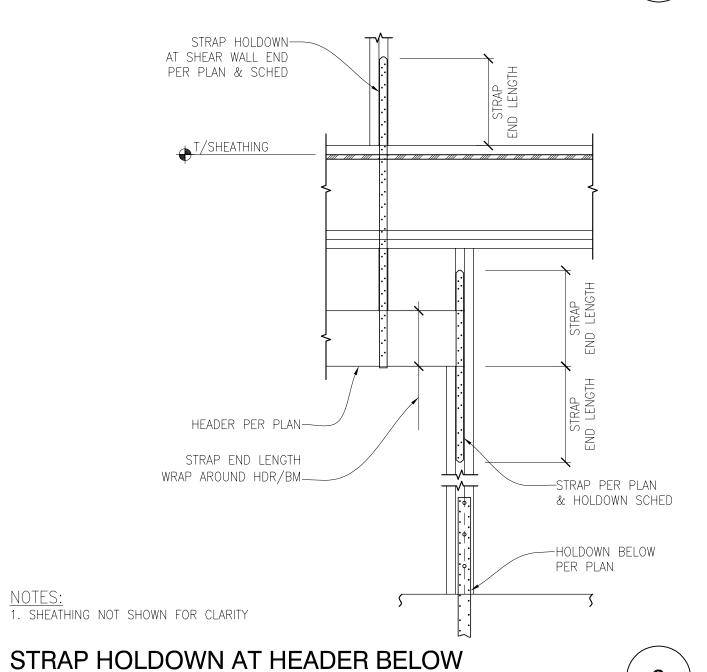
WALL PER PLAN

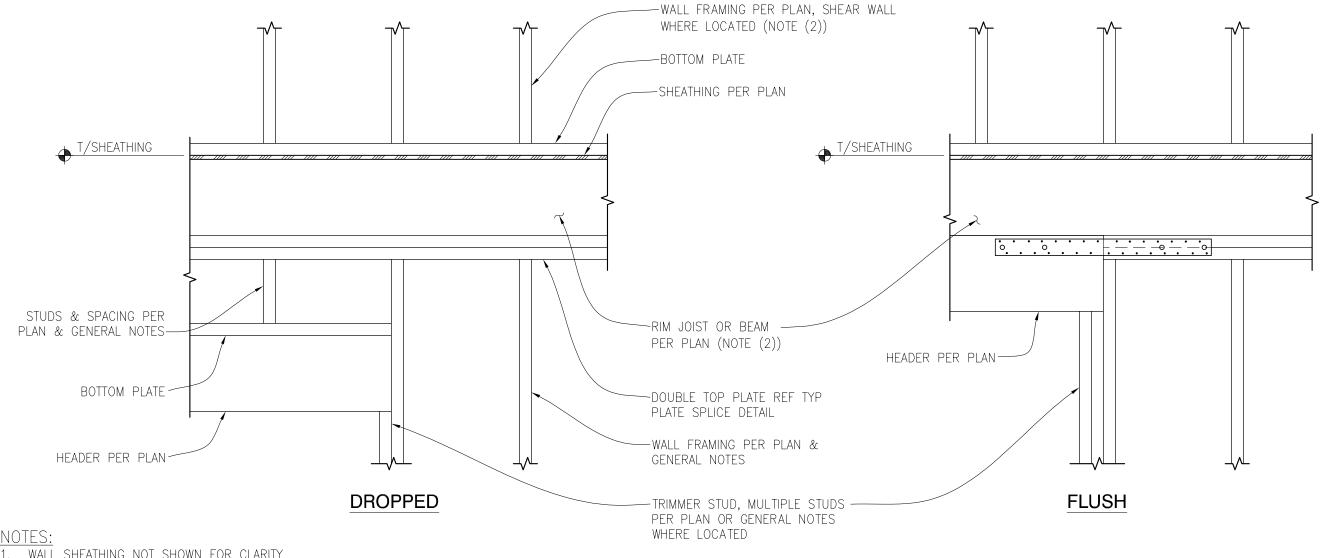




EMBED 7") —

SCALE: N.T.S.





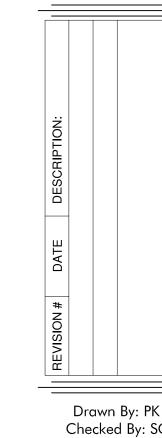
WALL SHEATHING NOT SHOWN FOR CLARITY WHERE ROOF ABOVE. RAFTERS OR PRE-MANUFACTURED TRUSSES PER PLAN REPLACES RIM JOIST

TRUSSES PARALLEL TO RETAINING WALL CON.

SCALE: $\frac{3}{4}$ " = 1'-0"

TYPICAL HEADER FRAMING

SCALE: 1" = 1'-0"



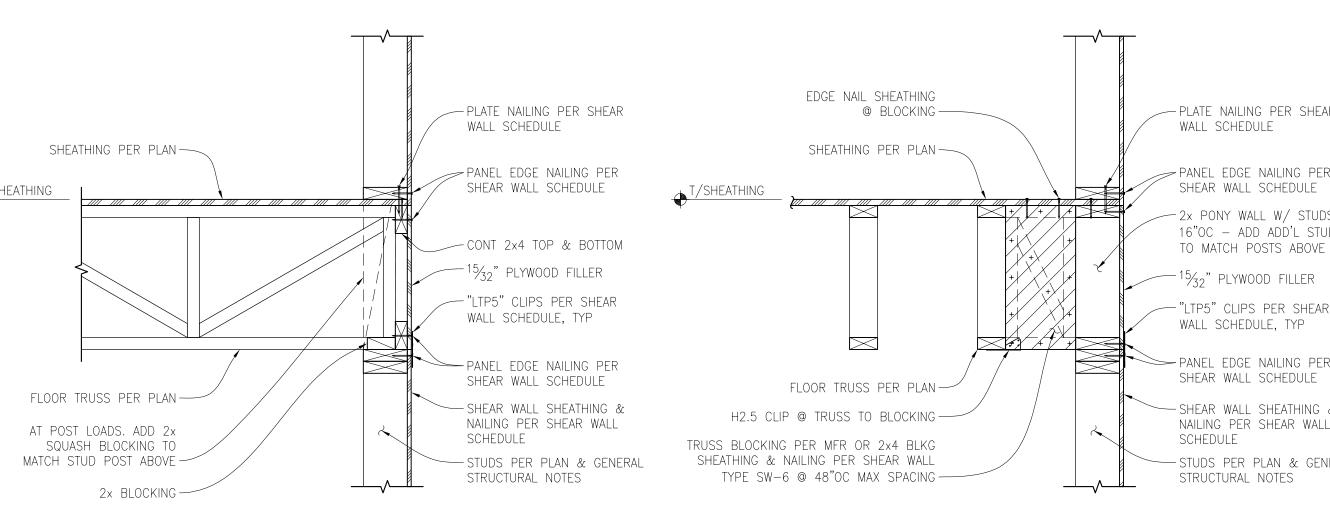
Drawn By: PK Checked By: SC Date: 5-23-2023

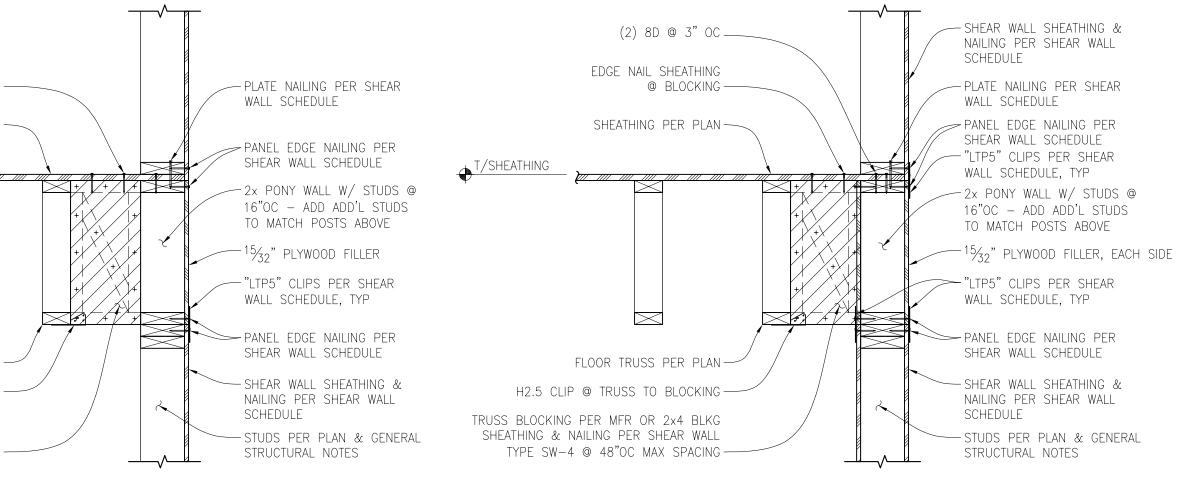
CK JOB NO.

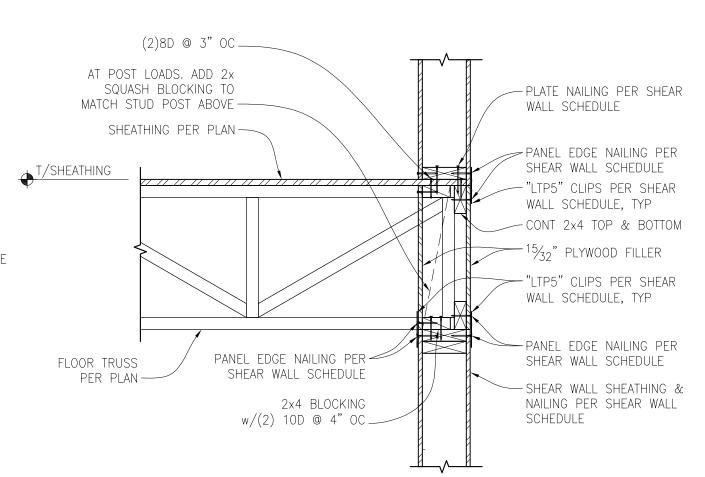
22-053

STRUCTURAL DETAILS

S-3.0







EXTERIOR WALL PERPENDICULAR TO TRUSSES

SCALE: 1" = 1'-0"

EXTERIOR WALL PARALLEL TO TRUSSES

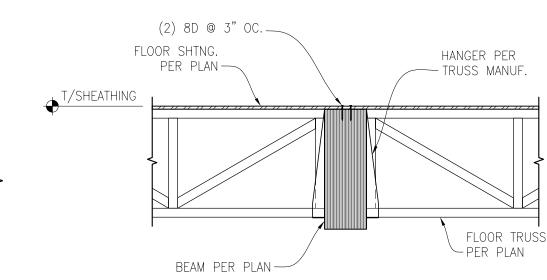
DOUBLE SIDED SHEAR WALL PARALLEL TO TRUSSES

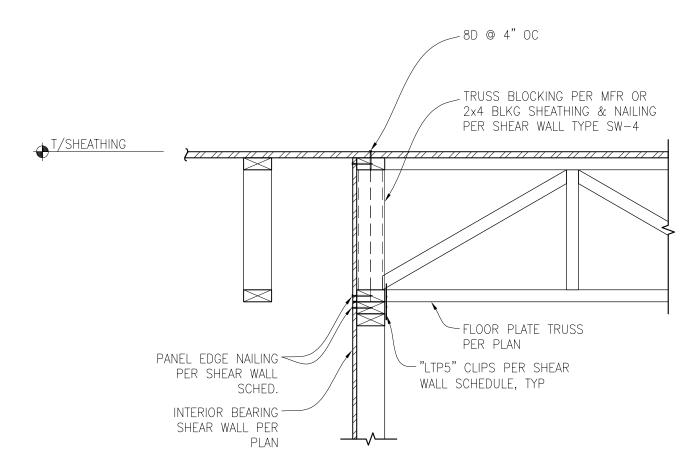
SCALE: 1" = 1'-0"

DOUBLE SIDED SHEAR WALL PERPENDICULAR TO TRUSSES

SCALE: 1" = 1'-0"

TRUSS BLOCKING PER MFR OR 2x4 BLKG SHEATHING & NAILING PER SHEAR WALL TYPE SW-4 FLOOR PLATE TRUSS PER PLAN PANEL EDGE NAILING PER SHEAR WALL SCHEDULE — — "LTP5" CLIPS PER SHEAR WALL SCHEDULE, TYP PLYWOOD SHEATHNG NOT REQUIRED ON BEARING WALLS ONLY -- INTERIOR BEARING/SHEAR WALL PER PLAN





FLOOR TRUSS AT INTERIOR BEARING/SHEAR WALL

SCALE: 1" = 1'-0"

FLOOR TRUSS TO BEAM CONNECTION

SCALE: $\frac{3}{4}$ " = 1'-0"

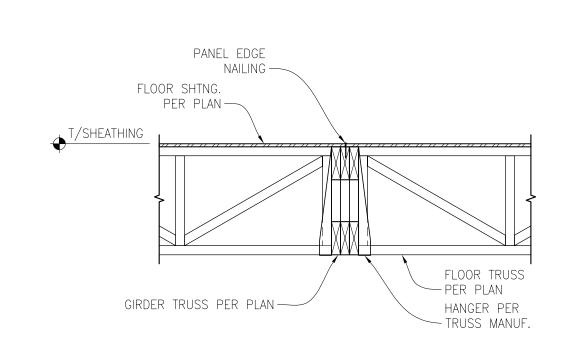
SCALE: $\frac{3}{4}$ " = 1'-0"

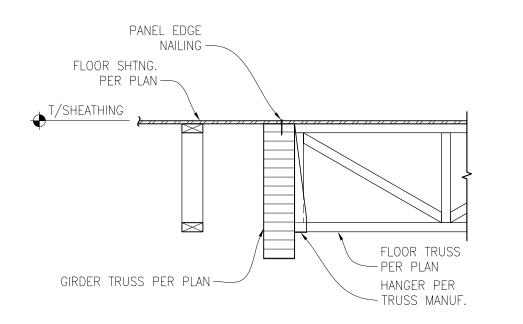
SCALE: 1" = 1'-0"

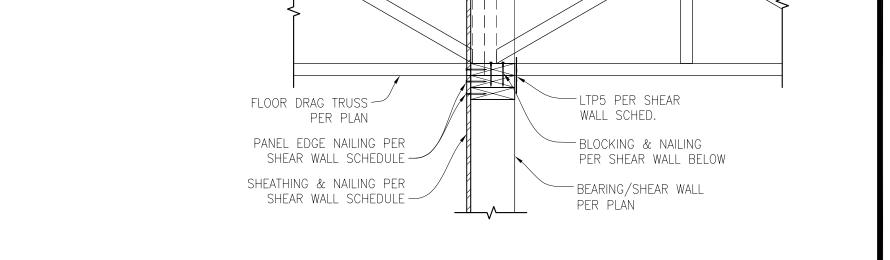
FLOOR TRUSS AT INTERIOR SHEAR WALL

SCALE: 1" = 1'-0"

4'-0" MIN SPLICE LAP ALTERNATE: MST27 STRAP W/ (2) ROWS 16d NAILS STAGGERED (30) 16d SINKERS, $\frac{1}{2}$ EA END, (WITHIN AREA OF SPLICE @ 6"OC) CENTERED, EA TOP & BOTT P BREAK -(NOT REQUIRED @ ALTERNATE) — DOUBLE TOP PLATE — BREAK LOWER PLATE @ STUD CENTERLINE - STUDS & SPACING PER PLAN







PER SHEAR WALL BELOW

-(2) 8D NAILS CS14 STRAP PER PLAN

@ 4" OC.

(CENTERED AT WALL BELOW)

NOTE: FLOOR JOISTS NOT SHOWN FOR CLARITY.

TYPICAL PLATE SPLICE DETAIL

SCALE: N.T.S.

FLOOR TRUSS TO GIRDER TRUSS CONNECTION

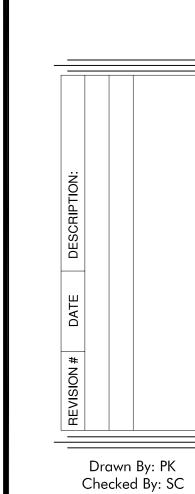
FLOOR TRUSS TO BEAM CONNECTION SCALE: $\frac{3}{4}$ " = 1'-0"

11

SCALE: 1" = 1'-0"

FLOOR DRAG TRUSS AT BRNG./SHEAR WALL CON.

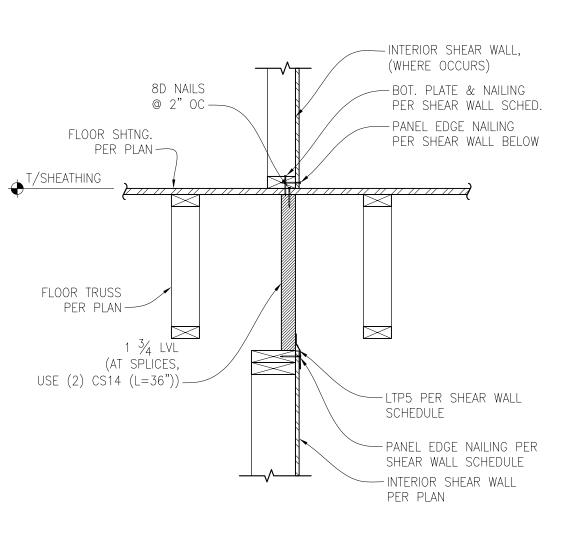
Ш





CK JOB NO. 22-053

STRUCTURAL DETAILS





SCALE: 1" = 1'-0"

SHEATHING & NAILING — PER SHEAR WALL BELOW - EXTERIOR WALL PER PLAN (2) 8D @ 4" OC ___ 2x PONY WALL w/-STUDS AT EACH TRUSS -LOWER ROOF PER PLAN DO NOT SHEATHING PER PLAN — (NOT SHOWN) — BRAKE SHTNG — AT THIS AREA T/SHEATHING - HANGER PER TRUSS MNFR. PER PLAN — PANEL EDGE NAILING PER SHEAR WALL SCHEDULE FLOOR TRUSS PER PLAN "LTP5" CLIPS PER SHEAR — WALL SCHEDULE, TYP — SHEAR WALL SHEATHING & NAILING PER SHEAR WALL WALL FRAMING PER PLAN — SCHEDULE & STRUCTURAL NOTES

FLOOR TRUSS PERPENDICULAR TO SHEAR WALL CONNECTION SCALE: 1" = 1'-0"

2x BUILD UP PER ARCH —

-SHEATHING & NAILING PER SHEAR WALL SCHEDULE T/SHEATHING - PANEL EDGE NAILING PER SHEAR WALL SCHEDULE BOTT P. & NAILING PER SHEAR WALL SCHEDULE — ──8D @ 3" OC. 2×6 LEDGER w/(3) 10D @ 6" OC. FLOOR SHTNG. PER PLAN & STRUCTURAL NOTES — 2x BLOCKING @ PANEL EDGES w/8D @ 3"OC PANEL EDGE NAILING PER SHEAR WALL ABOVE — SHEATHING & NAILING PER SHEAR WALL ABOVE — END TRUSS PER PLAN FLOOR TRUSS PER PLAN — PANEL EDGE NAILING PER SHEAR WALL ABOVE SPLICE SHEATHING @ TOP PLATE PSL PER PLAN (FLUSH @ TOP) _ A35 PER SHEAR WALL SCHED. ABOVE. -— PANEL EDGE NAILING 2x BLOCKING @ 48" OC.--SHEATHING & NAILING PER SHEAR WALL SCHED. EXTERIOR WALL PER PLAN — (WHERE OCCURS)

UPPER FLOOR SHEAR WALL TO MAIN FLOOR SHEAR WALL CONNECTION SCALE: $\frac{3}{4}$ " = 1'-0"

2x4 (FLAT) BLOCKING —

CONT. HDR TO ROOF/HSS COLUMN CONNECTION SCALE: NTS

8D @ 4" OC. ─<

ROOF TRUSS PER PLAN —

H2.5 CLIP @ TRUSS TO BLOCKING —

TRUSS BLOCKING PER MFR OR 2x4 BLKG SHEATHING & NAILING PER SHEAR WALL

TYPE SW-6 @ 48"OC MAX SPACING

€ COLUMN

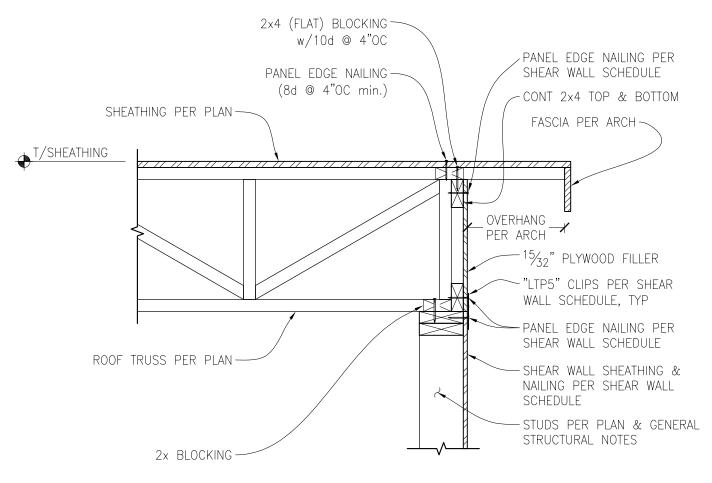
- CONTINUOUS HEADER

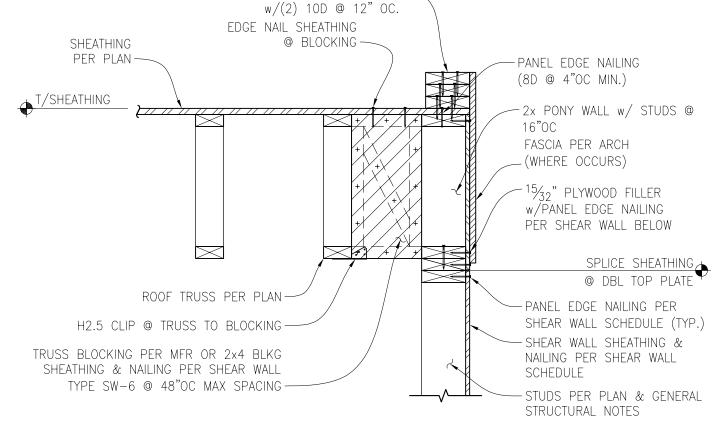
- HSS COLUMN PER PLAN

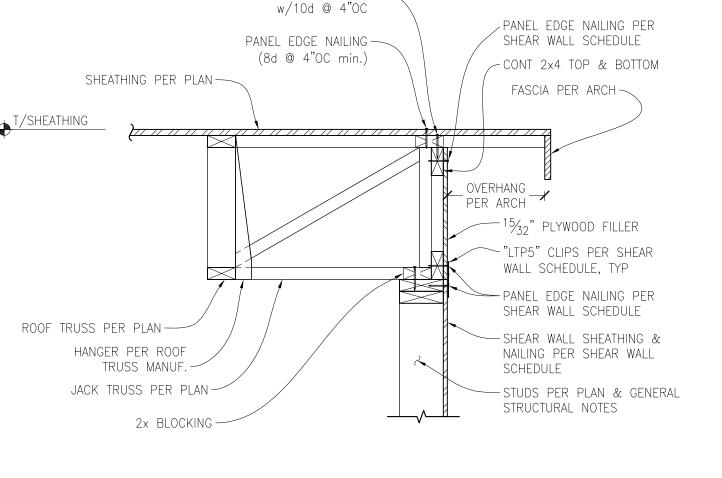
PER PLAN

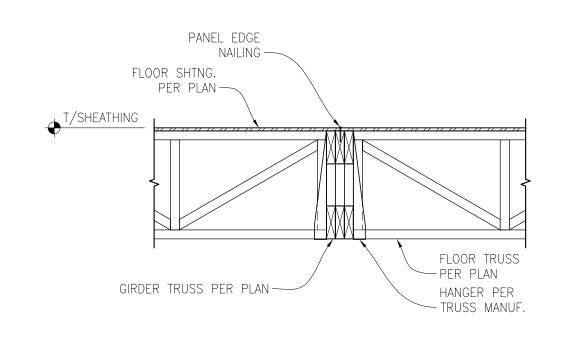
3/16"

-"CCOQ" COL CAP













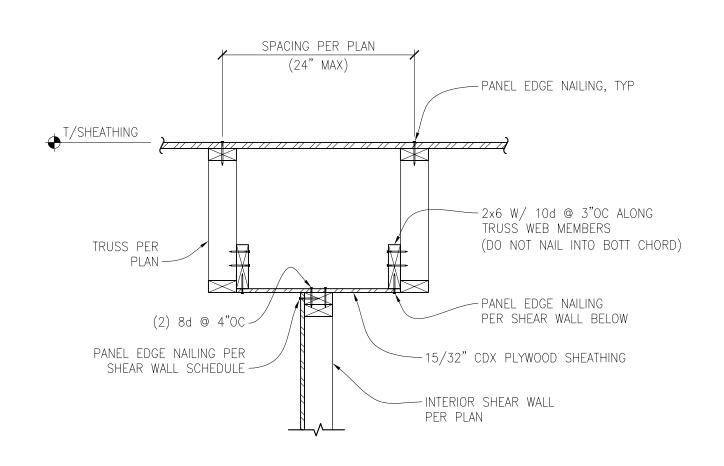


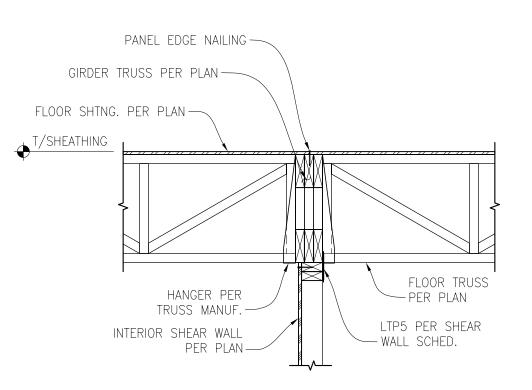


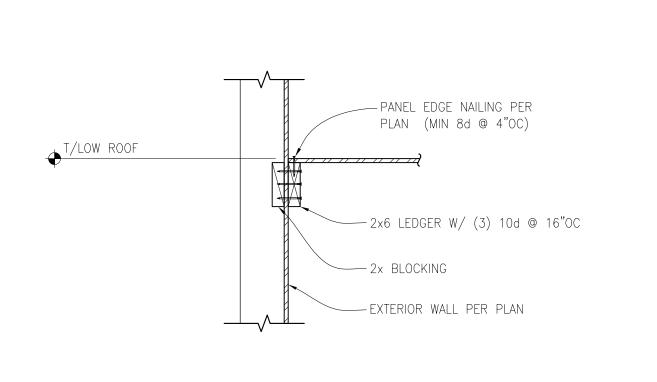
SHEATHING

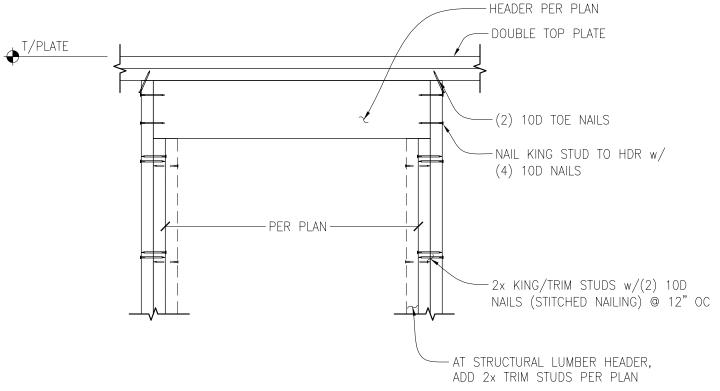
3

PER PLAN —











DRAG/GIRDER TRUSS TO SHEAR WALL CON. SCALE: $\frac{3}{4}$ " = 1'-0"

TYP. WALL TO LOWER ROOF CON. SCALE: 1" = 1'-0"

11 SCALE: N.T.S.

FLOOR/ROOF FRAMING NOT SHOWN FOR CLARITY.

TYPICAL HEADER CONNECTION