

NICHOLAS MALONE 4214 86TH AVE SE MERCER ISLAND, WA 98040

PARCEL NUMBER: 36225-00010
LEGAL DESCRIPTION: ISLAND CREST ADD

LEGAL DESCRIPTION: ISLAN PLAT BLOCK:

PLAT LOT: 2
SECTION/TOWNSHIP: NW-18-24-5

LOT COVERAGE CALCULATIONS

LOT AREA (SF): 14,280 SF

EXISTING STRUCTURE ROOF AREA: 1,320 SF
EXISTING DRIVEWAY: 2,507 SF

NEW GARAGE ROOF AREA 819 SF

TOTAL: 4,646 SF

PERCENTAGE: 32.54%

CITY OF MERCER ISLAND R-9.6 REQUIREMENT: THIS PROPERTY LOT SLOPE LESS THAN 15%, WHICH IS 40% MAX LOT

IMPERVIOUS CALCULATIONS - PROPOSED

LOT AREA (SF): 14,280 SF

MAIN STRUCTURE ROOF AREA: 1,320 SF

NEW GARAGE: 735 SF EXISTING PATIO, WALKWAY AREA: 436 SF EXISTING DRIVEWAY: 2,507 SF

TOTAL: 4,998 SF

PERCENTAGE: 35%

CITY OF MERCER ISLAND R-9.6 REQUIREMENT: THE PROPERTY LOT SLOPE LESS THAN 15%, WHICH IS 35% MAX LOT COVERAGE

MIN BLDG. SETBACK FROM STREET: 20 FT MIN GARAGE SETBACK FROM STREET: 20 FT MIN SIDE YARD SETBACK 10 FT AND 5 FT MIN REAR YARD SETBACK 25 FT

LEGEND:

PROPERTY LINE

ST CENTERLINE

CONTOUR

WET LAND

STEEP SLOP (40% +)

OFFSET DRAINAGE

S.A.S.B = SENSITIVE AREA SETBACK

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NOTE: THIS DRAWING IS BASED ON CURRENT KNOWN SITE CONDITIONS AND IS INTENDED TO BE USED AS A PROPOSED LAYOUT ONLY. ACTUAL SITE CONDITIONS AT THE TIME OF INSTALLATION MAY VARY AND MAY ALTER FINAL DIMENSIONS AND LAYOUT. DO NOT SCALE DRAWINGS FOR DIMENSIONS. ALL DIMENSIONS CITED ON DRAWINGS ARE TO BE USED IN THE FIELD. MISSING AND/OR INCORRECT DIMENSIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER OF PROJECT MANAGER.



-WATER METER -EXISTING WATER LINE -EXISTING STORM DRAINAGE —A UTILITY POLE PROPERTY LINE-47°34'14" N 135.5 149.0 ELEV. 344' -SETBACK LINE SETBACK LINE PROPOSED NEW EXISTING ROUNDABOUT CONC. DRIVEWAY ATTACH GARAGE 24' - 6" X 30' - 0" -WOOD FENCE EXISTING CONC. PATIO -SETBACK LINE -WATER METER EXISTING PATIO EXISTING HOUSE # 3622500010 FOOTPRINT=1,830/SF EXISTING 25, SIDEWALK EXISTING SIDEWALK LEV. 342' 47°34'13" N 135.5' SETBACK LINE PROPERTY LINE— WOOD FENCE



GENERAL NOTES:

I THIS IS A TOPOGRAPHIC SURVEY ONLY. BASE ON TABLE INFORMATION FROM CITY OF MERCER ISLAND COMMUNITY PLANNING & DEVELOPMENT VM:206.275.7730. FOR THIS LOT THE TOPOGRAPHIC SURVEY LIMITED TO INFORMATION NECESSARY TO DETERMINE LOT SLOPE TYPICALLY REQUIRED UNLESS PROJECT MEETS THE LOWER COVERAGE LIMIT. THE SLOPE OF THE LOT WITHIN 2% OF THE THRESHOLD FOR DETERMINING LOT COVERAGE IS LESS THAN 15% NO MORE THAN 40% OF ALLOWED LOT COVERAGE.

2 THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATE BELOW AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

3 UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND OBSERVATION, AND UTILITIES LOCATES - RECORD DATA BY CITY OF MERCER ISLAND GIS PORTAL, WHICH ARE INDICATED AVAILABLE UTILITIES UNDERGROUND FOR THIS PROPERTY. ACTUAL LOCATION OF UNDERGROUND UTILITIES MAY VARY AND UTILITIES NOT SHOWN ON THIS SURVEY MAY EXIST ON THIS SITE.

4 ALL MONUMENTS WERE LOCATED DURING THIS SURVEY UNLESS OTHERWISE NOTED.

5 CONTOURS SHOWN ARE BASED ON A FIELD SURVEY.

6 TREE IDENTIFICATION WAS PERFORMED BY SURVEY FIELD PERSONNEL AND SHOULD BE CONSIDERED A BEST GUESS. AN ARBORIST SHOULD BE RELIED UPON FOR MORE ACCURATE AND DETAILED IDENTIFICATION OF TREE SPECIES AND HEALTH.

ELEVATION SHOWN ON THIS DRAWING ARE BASE ON THE NORTH AMERICAN VERTICAL DATUM, AND WERE ESTABLISHED USING GPS.

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

LOT SLOPE CALCULATIONS: LOT AREA (SF):

EA (SF): 14,280 SF

HIGHEST ELEVATION POINT OF LOT:
LOWEST ELEVATION POINT OF LOT:
ELEVATION DIFFERENCE:
HORIZONTAL DISTANCE BETWEEN

HIGH AND LOW POINTS: 136 FEET LOT SLOPE* 4.421%

345 FEET

342 FEET

6 FEET

TOPOGRAPHIC SURVEY

SCALE: | " = |5' - 0"

AVERAGE BUILDING ELEVATION BENCH MARK SHEET Topographic Survey

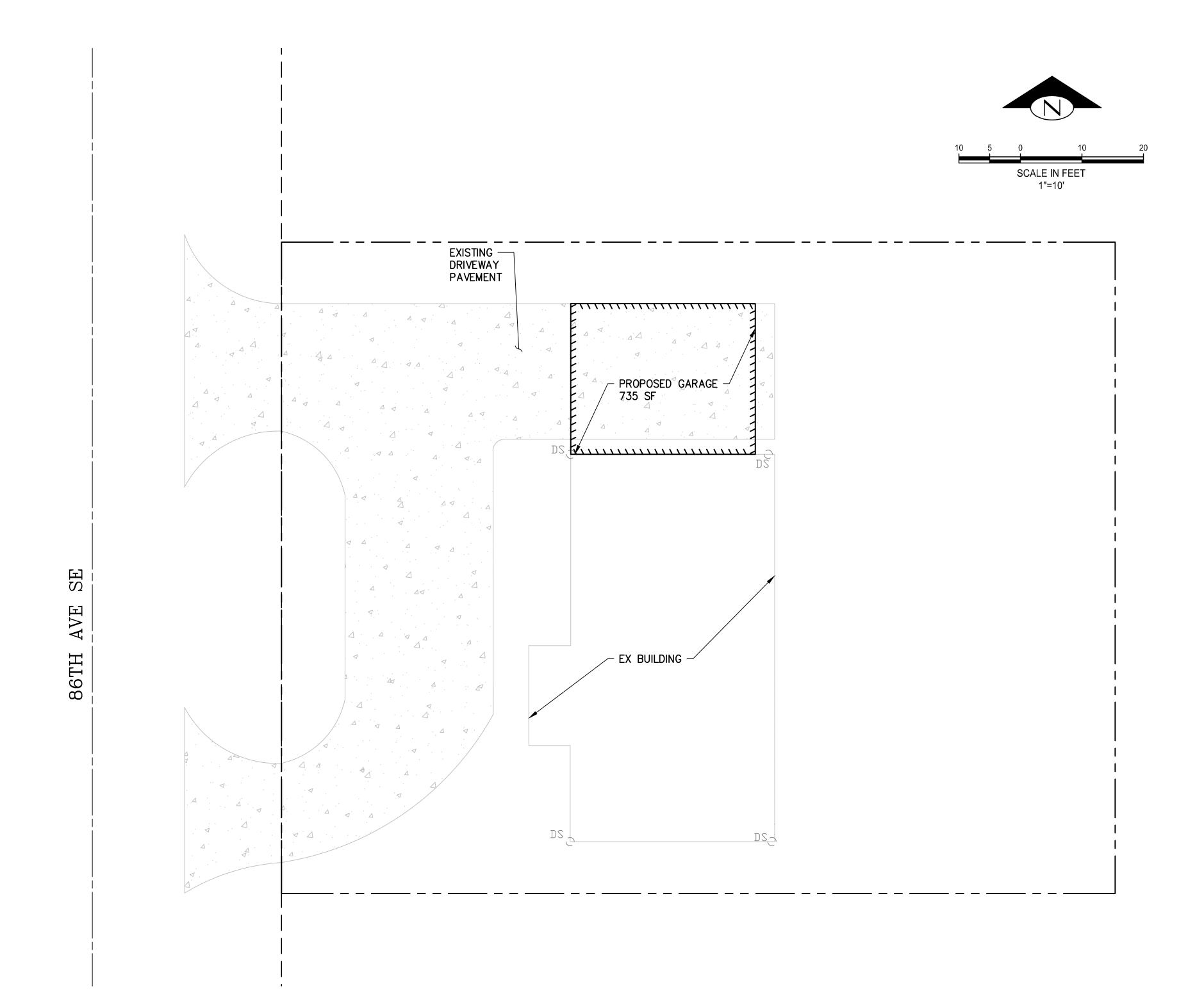
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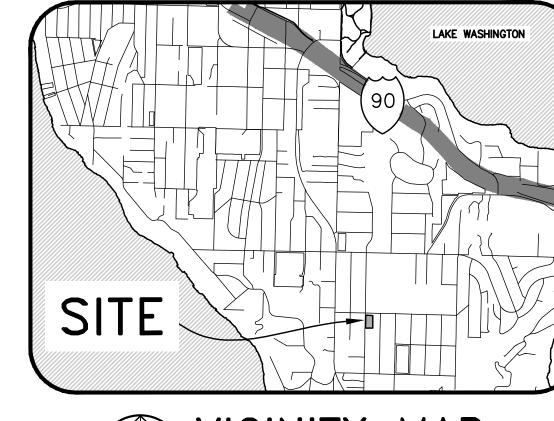
3/16/2022

SITE VICINITY MAP

MALONE RESIDENCE

4214 86TH AVE SE, MERCER ISLAND, WA 98040







SHEET INDEX:

C1.0 COVER SHEET AND NOTES

C2.0 TESC PLAN AND DETAILS

C3.0 DRAINAGE AND UTILITY PLAN

PROJECT CONTACTS

OWNER:

NICHOLAS MALONE 4214 86TH AVE SE MERCER ISLAND, WA 98040

ENGINEER:

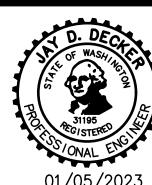
BUSH ROED & HITCHINGS 15400 SE 30TH PL STE 100 BELLEVUE, WA 98007 CONTACT: JAY DECKER, P.E. jayd@brhinc.com PH: (206) 323-4144

ARCHITECT: NEIL KELLY

5959 CORSON AVE S, STE B SEATTLE, WA 98108 PH: (206) 343-2822

BRH ENGINEERING GENERAL NOTES:

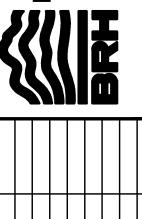
- EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON THE BEST AVAILABLE PUBLIC RECORDS AND/OR PRIVATE RECORDS AS SUPPLIED BY THE PROJECT OWNER AND/OR DATA OBTAINED VERBALLY FROM OWNERS OR OFFICIALS ASSOCIATED WITH THE PARTICULAR UTILITY. NEITHER THE OWNER NOR THE ENGINEER GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR IMPROPER LOCATIONS OR FAILURE TO SHOW UTILITY LOCATIONS ON THE CONSTRUCTION PLANS. OTHER UNDERGROUND FACILITIES NOT SHOWN ON THE DRAWINGS MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL INVERT ELEVATIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 2. IF CHANGED CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PROMPTLY OF (1) PREEXISTING SUBSURFACE CONDITIONS DIFFERING FROM THOSE INDICATED IN THE PLANS, OR (2) PREEXISTING UNKNOWN SUBSURFACE CONDITIONS, OF AN UNUSUAL NATURE, DIFFERING MATERIALLY FROM THOSE ORDINARILY ENCOUNTERED AND GENERALLY RECOGNIZED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE CONTRACT. THE CONTRACTOR AND/OR THE OWNER SHALL MAKE NO CLAIMS TO THE ENGINEER FOR RECOMPENSATION FOR EXTRA WORK RESULTING FROM CHANGED CONDITIONS UNLESS THE ENGINEER HAS APPROVED THE WORK IN WRITING. (WSDOT SECTION 1-04.7).
- THE CONTRACTOR SHALL CALL THE UTILITIES UNDERGROUND LOCATION CENTER FOR FIELD LOCATION OF ALL UTILITIES AND SHALL NOT BEGIN EXCAVATION UNTIL ALL KNOWN UNDERGROUND FACILITIES IN THE VICINITY OF THE PROPOSED WORK HAVE BEEN LOCATED AND MARKED. IF THE UTILITY IS NOT A SUBSCRIBER OF THE UNDERGROUND LOCATION CENTER THEN THE CONTRACTOR SHALL GIVE INDIVIDUAL NOTICE TO THAT UTILITY. (WSDOT SECTION 1-07.17 APWA SUPPLEMENT).
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS AND EXERCISE SOUND ENGINEERING AND CONSTRUCTION PRACTICES IN CONDUCTING THE WORK. THE CONTRACTOR SHALL PROTECT EXISTING PUBLIC AND PRIVATE UTILITIES FROM DAMAGE DURING CONSTRUCTION. IF EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ENGINEER. THE CONTRACTOR SHALL RESTORE THE UTILITY TO ITS EXISTING CONDITION. (WSDOT SECTION 1–07.17 APWA SUPPLEMENT). THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION FOR DESIGNS SHOWN ON THESE PLANS.
- WHERE THE PLANS CALL FOR UTILITIES TO BE RELOCATED BY OTHERS, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND COORDINATE HIS WORK SO AS TO AVOID CONFLICTS.
- ALL EXCAVATION, TRENCHING, SUBGRADE PREPARATION, FILL PLACEMENT AND COMPACTION AND ALL SOIL WORK IN GENERAL SHALL BE CONDUCTED IN COMPLIANCE WITH THE RECOMMENDATIONS OF THE PROJECT SOIL ENGINEER AND THE CURRENT GEOTECHNICAL ENGINEERING REPORT.
- ENGINEERING DESIGN AND APPROVAL FOR STRUCTURES SUCH AS WALLS AND VAULTS MUST BE PREPARED BY THE APPROPRIATE PROFESSIONAL ENGINEER AND IS NOT A PART OF THESE PLANS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING PROFESSIONAL LAND SURVEYOR TO REFERENCE EXISTING MONUMENTS ON OR ADJOINING SITE PREVIOUS TO DEMOLITION OR CONSTRUCTION AND TO BE RE-ESTABLISH SAID POINTS AT PROJECT COMPLETION. THIS RE-ESTABLISHMENT SHALL BE DOCUMENTED BY RECORD OF SURVEY OR CORNER RECORD AS DESCRIBED IN W.A.C. 332-120.



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(206) 323-4144 1-800-935-0508 WWW.BRHINC.COM

15400 SE 30TH PL, STE BELLEVUE, Washingtor info@brhinc.com



NO REVISION DATE

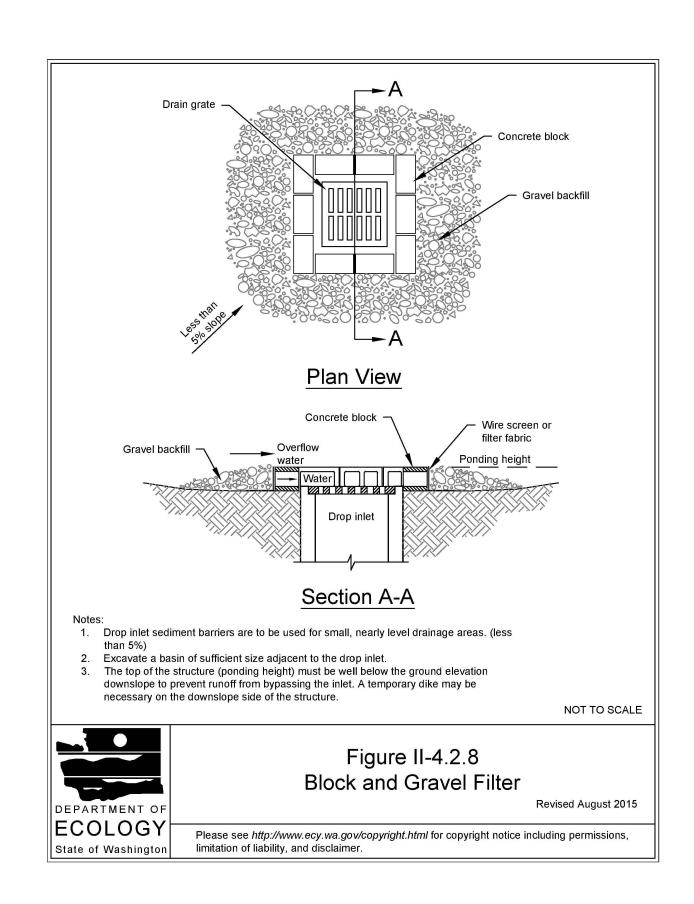
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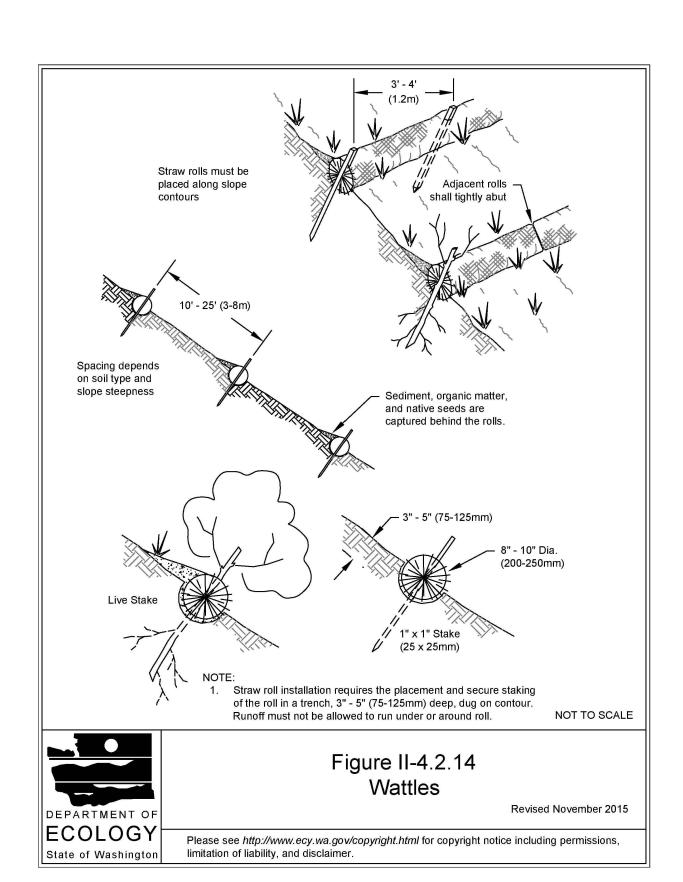
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JDD

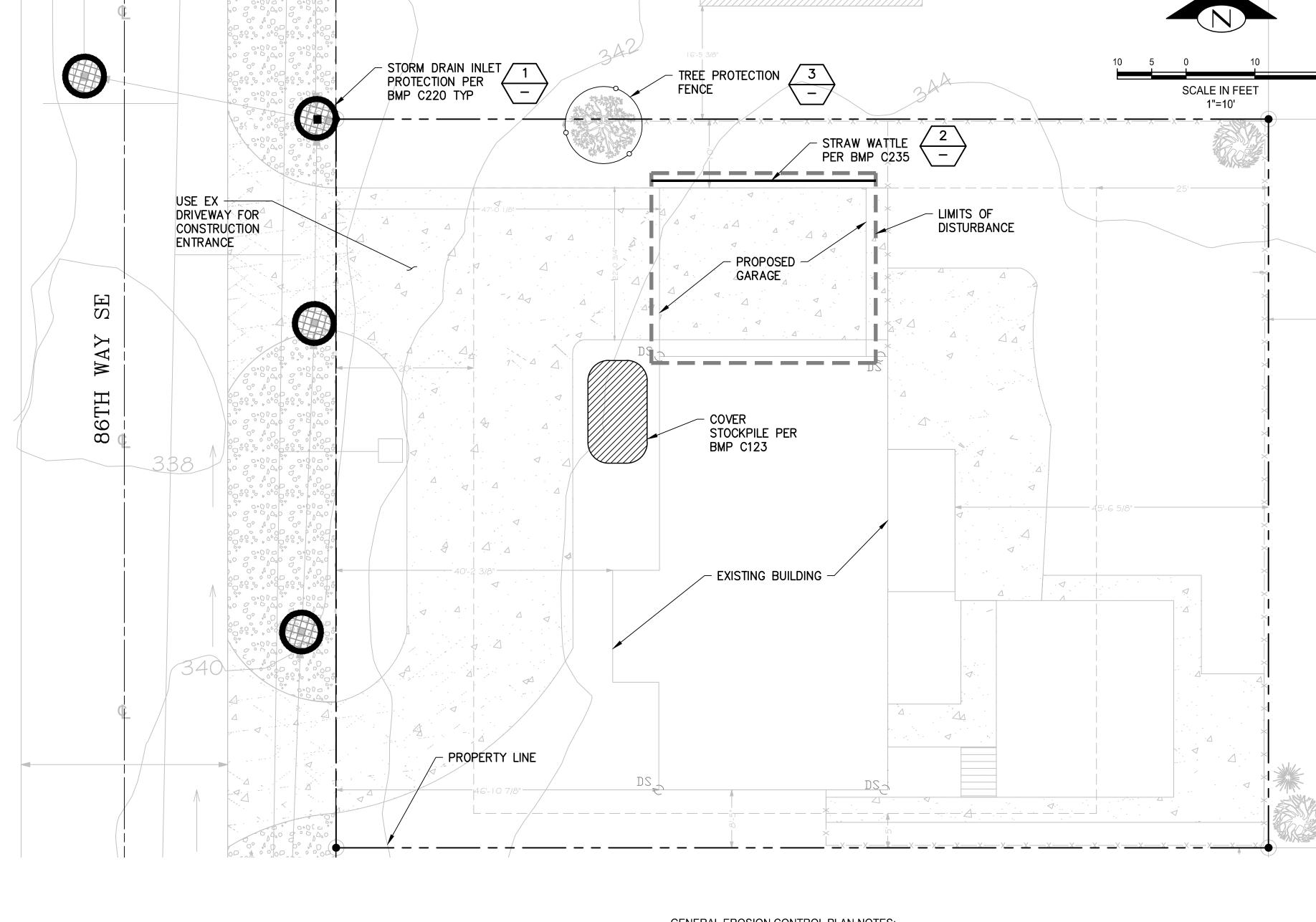
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scale date
AS SHOWN 01/05/23
job no.
2022245







STRAW WATTLES NOT TO SCALE



TREE PROTECTION AREA (TPZ)

KEEP OUT!

DO NOT REMOVE OR ADJUST THE APPROVED LOCATION OF THIS TREE PROTECTION AREA

Trees enclosed by this fence are protected and are subject to the conditions of the tree permit. Violation of tree conditions may lead to: 1. Correction Notices or Stop Work Orders until compliance is achieved 2. RE Inspection Fees 3. Arborist reports recommending mitigation . No pruning shall be preformed unless under the direction of an arborist . No equipment shall be stored or operated inside the protective fencing including during fence Crown drip line or other limit of Tree Protection area. See installation and removal 3. No storage of materials shall occur inside the protective fencing 4. Refer to Site/Utility Plan for allowable modifications to the tree protection area. 5. Unauthorized activities in tree protection area may require evaluation by private arborist to identify . Exposed roots: For roots > 1" damaged during construction, make a clean straight cut to remove damaged portion and inform City Arborist Tree protection fence: 4-6" chain link fence, solidly anchored into the ground, or if authorized High-density polyethylene fencing with 3.5" x 1.5" openings; color orange. Steel posts installed at 8' o.c. 2" x 6" steel posts or approved equal Maintain existing grade with the tree protection fence unless otherwise indication on the plans

Any Work in the protected area must be with the permission of the City Arborist john.kenney@mercergov.org

TREE PROTECTION FENCING NOT TO SCALE

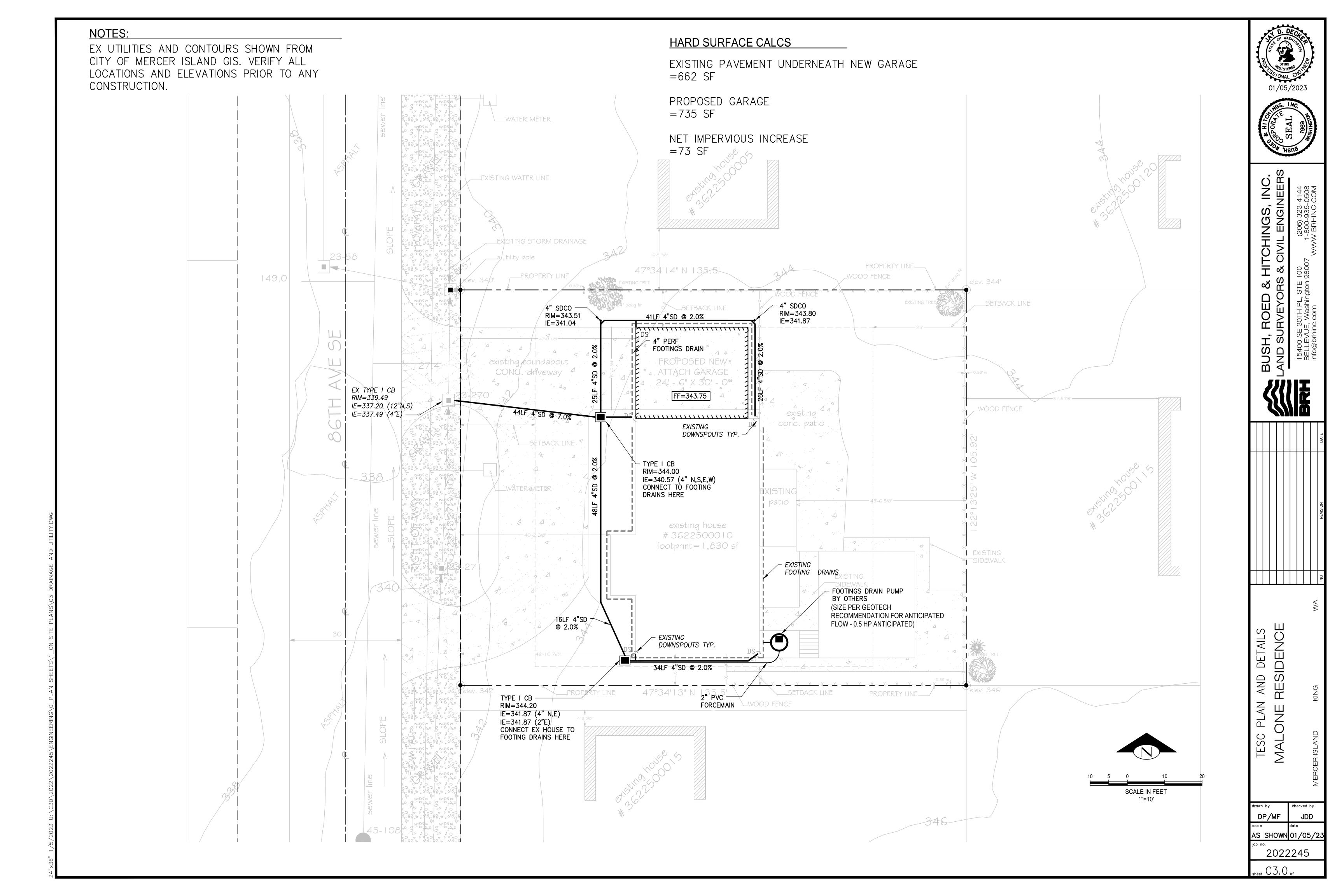
GENERAL EROSION CONTROL PLAN NOTES:

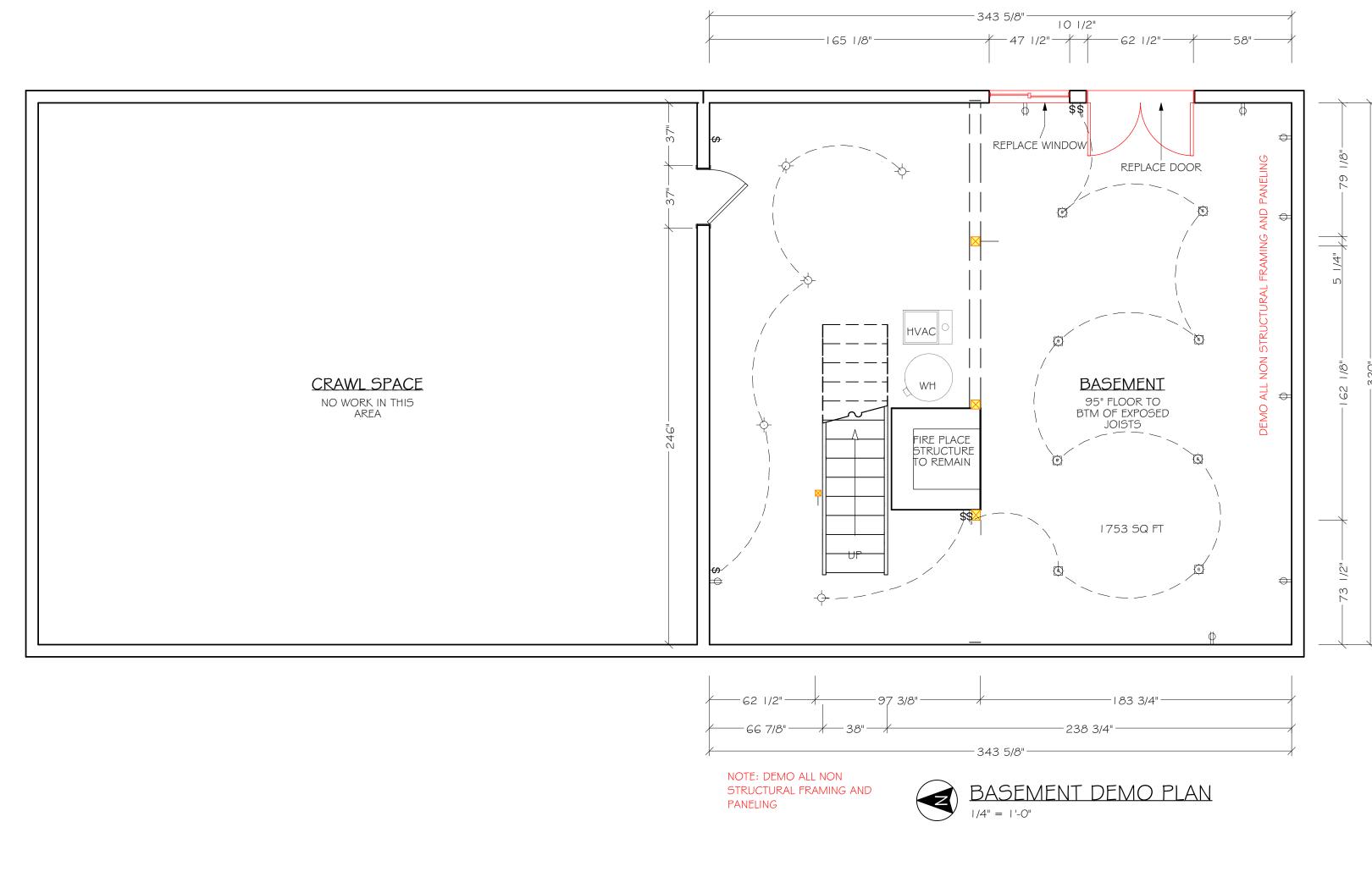
- 1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES).
- 2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- 3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- 5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
- 6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- 7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.
- 8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

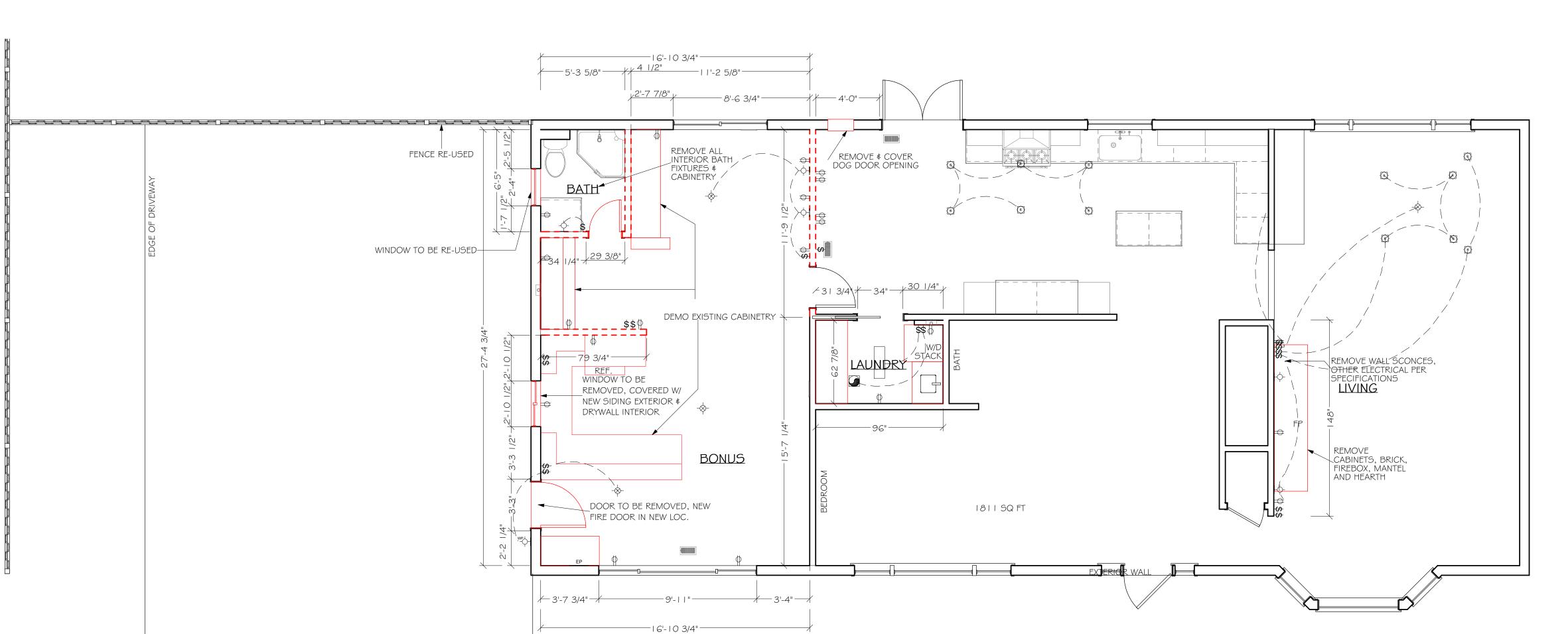
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checked by DP/MF AS SHOWN 01/05/23

2022245









WALL LEGEND

EXISTING WALLS TO REMAIN

WALLS TO BE REMOVED

OPENINGS TO BE ENCLOSED

FURRED WALLS

NEW HALF WALLS

NEW FULL-HEIGHT WALLS

DEMO LEGEND

OTHER TO BE REMOVED

GENERAL NOTES
E EXISTING
N NEW
RL RELOCATE
RP REPLACE

Neil Kelly

Design/Build Remodeling
959 Corson Ave S. Suite B, Seattle, WA 98108
206.343.2822

DR CCB# 001663 / WA L&I# NEILKCI 18702

DRAWN:
REVISED:

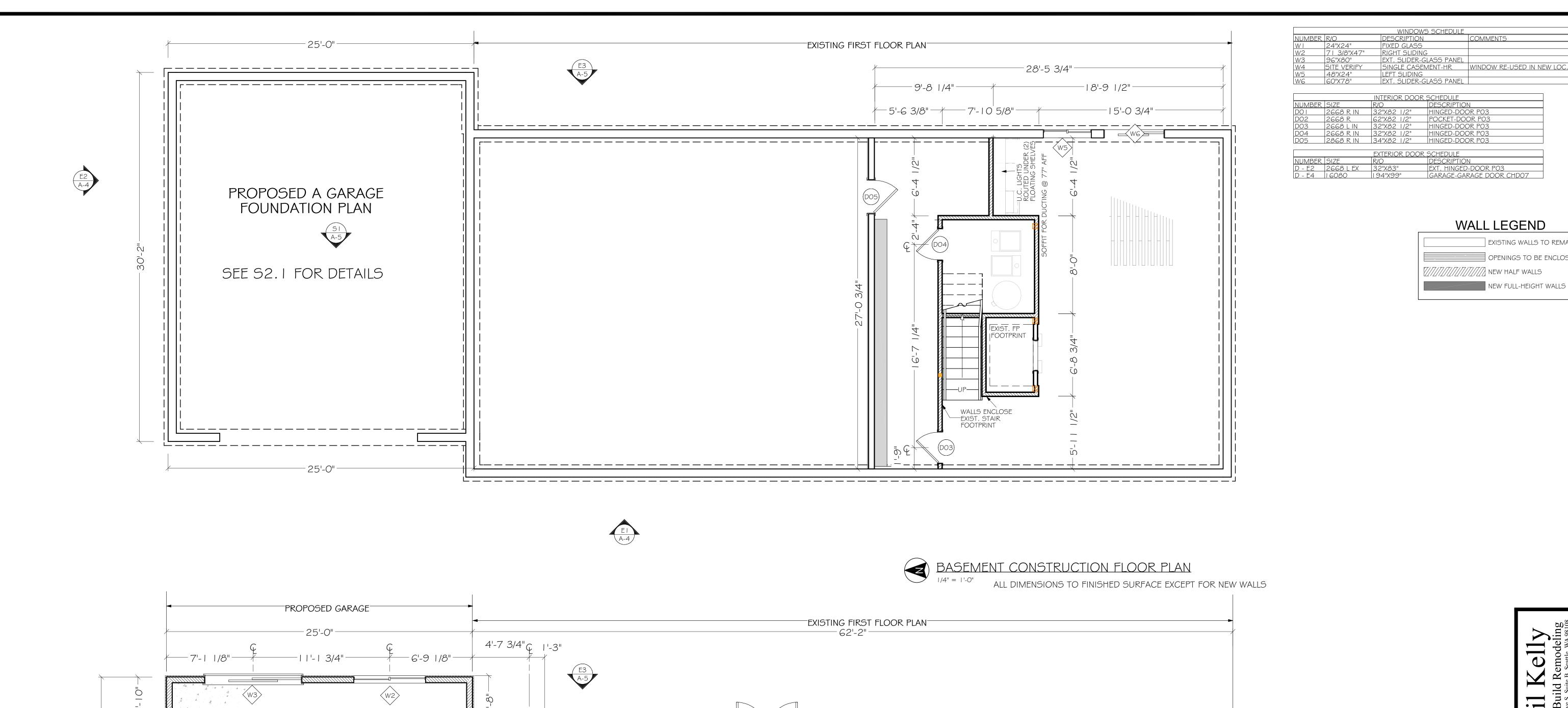
HOMEOWNER APPROV.
SEE DECLARATIONS ON PAGE (

laus Malone
4 86th Ave SE
Island, WA 98040
ant: Jamie Smugeresky
anager: Tony Lopez

A - 1

AS-BUILT FLOOR PLANS

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



/WINDOW RE-USED IN NEW LOC.

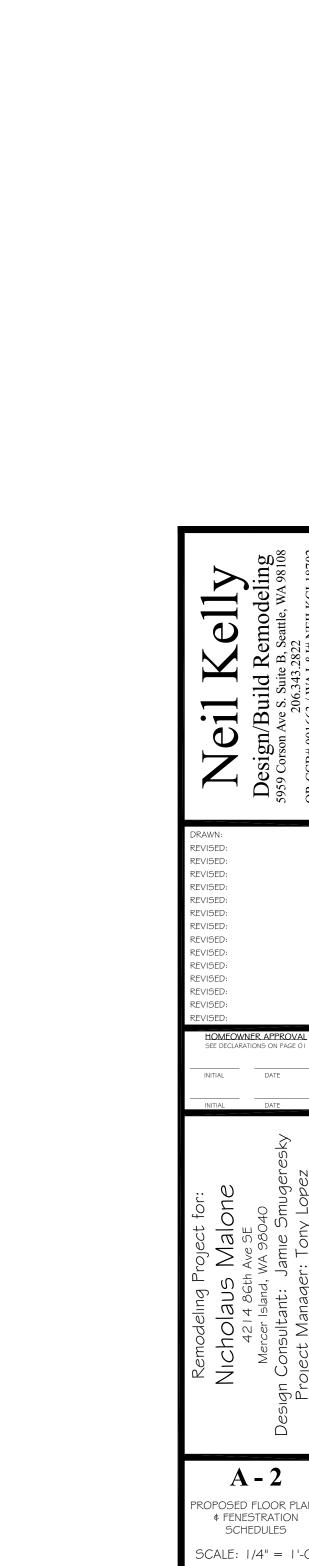
PULL DOWN LADDER

-12'-6 7/8" ⁻

-- 24'-7^{*} 1/4" --

-12'-0 3/8" -

_6 3/4" _____ 6'-5 1/2" _____



KITCHEN

WALL LEGEND

NEW FULL-HEIGHT WALLS

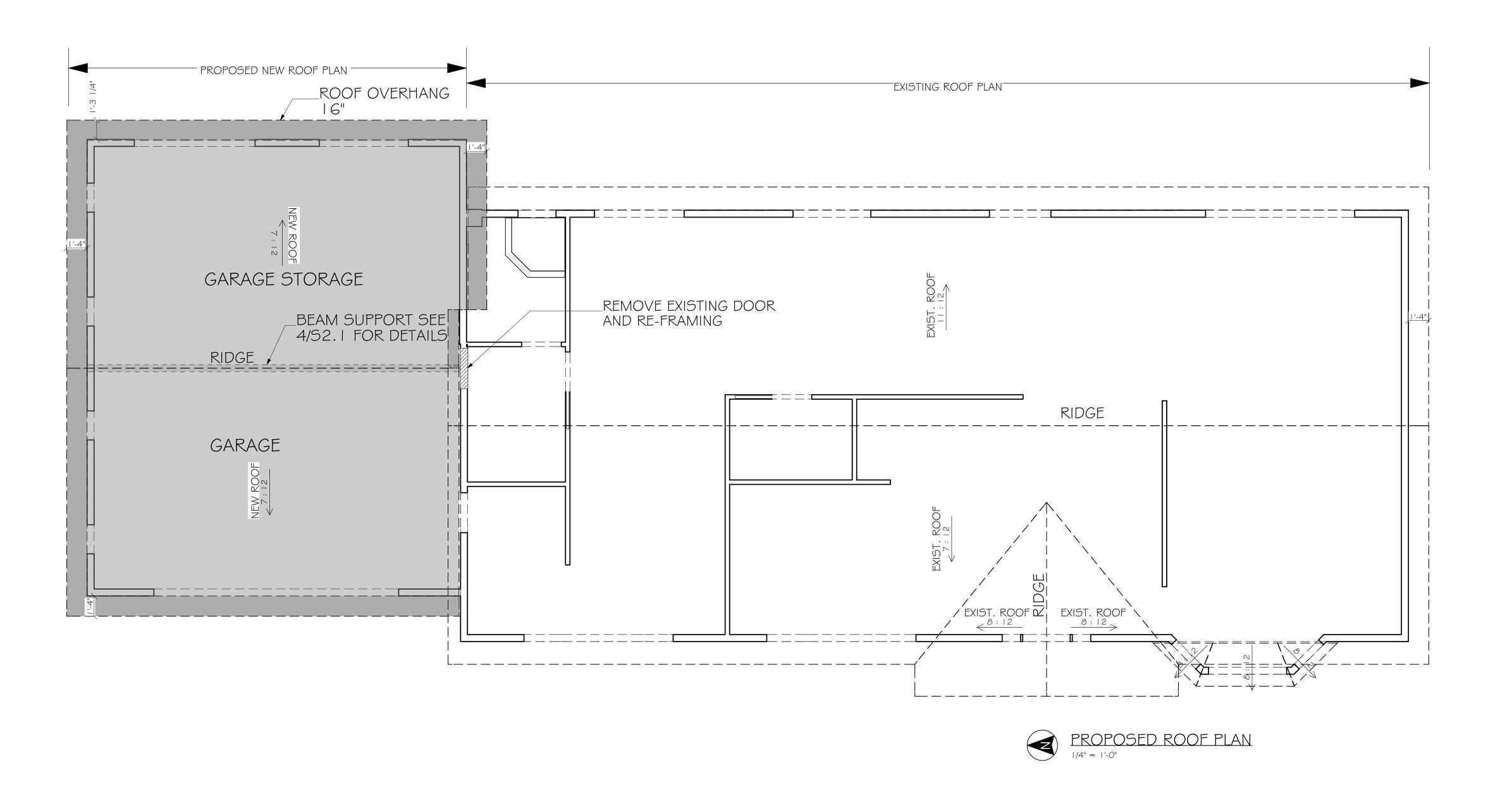
WILLS NEW HALF WALLS

OPENINGS TO BE ENCLOSED

EXISTING WALLS TO REMAIN

Kelly Id Remodeling Neil

PROPOSED FLOOR PLAN \$ FENESTRATION SCHEDULES



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REVISED:
INMEOWNER APPROVAL
SEE DECLARATIONS ON PAGE 0

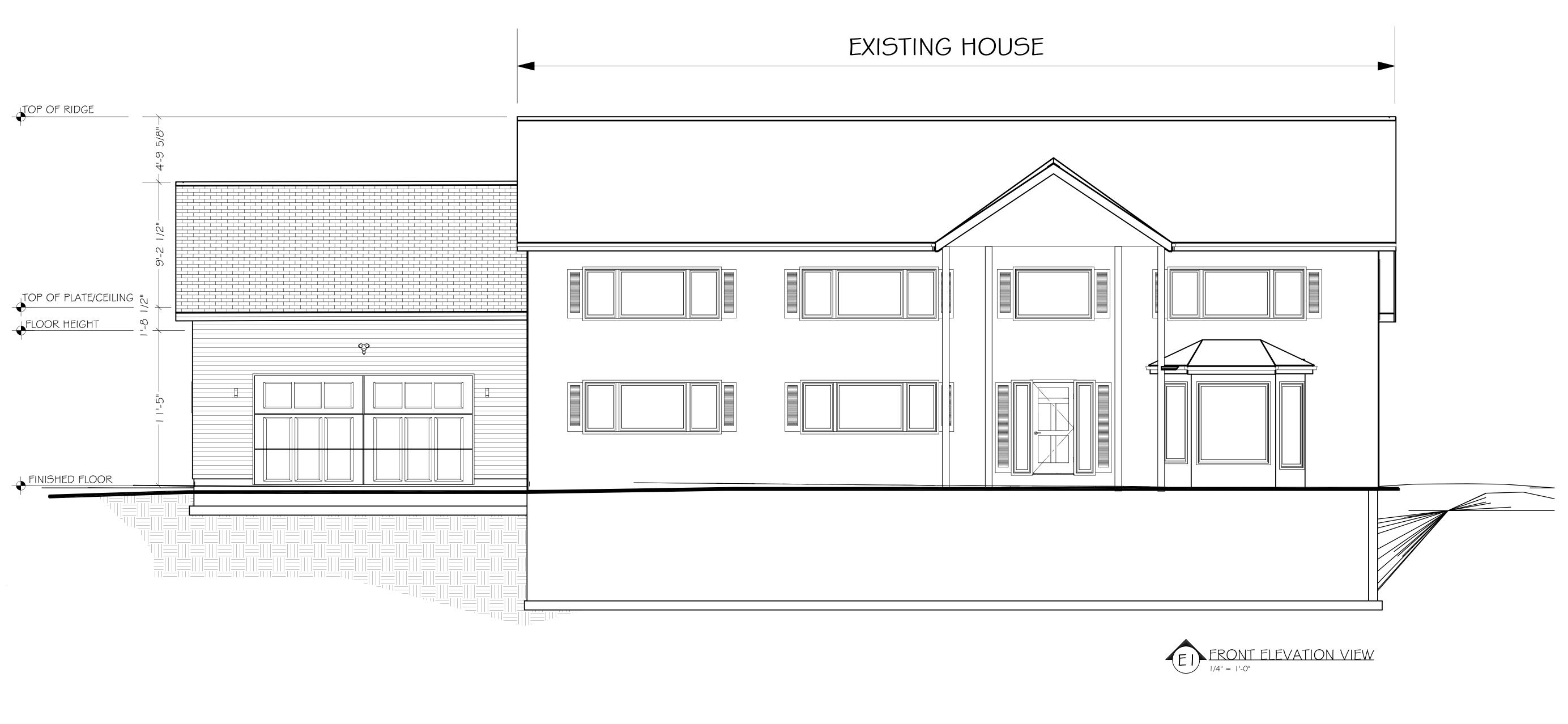
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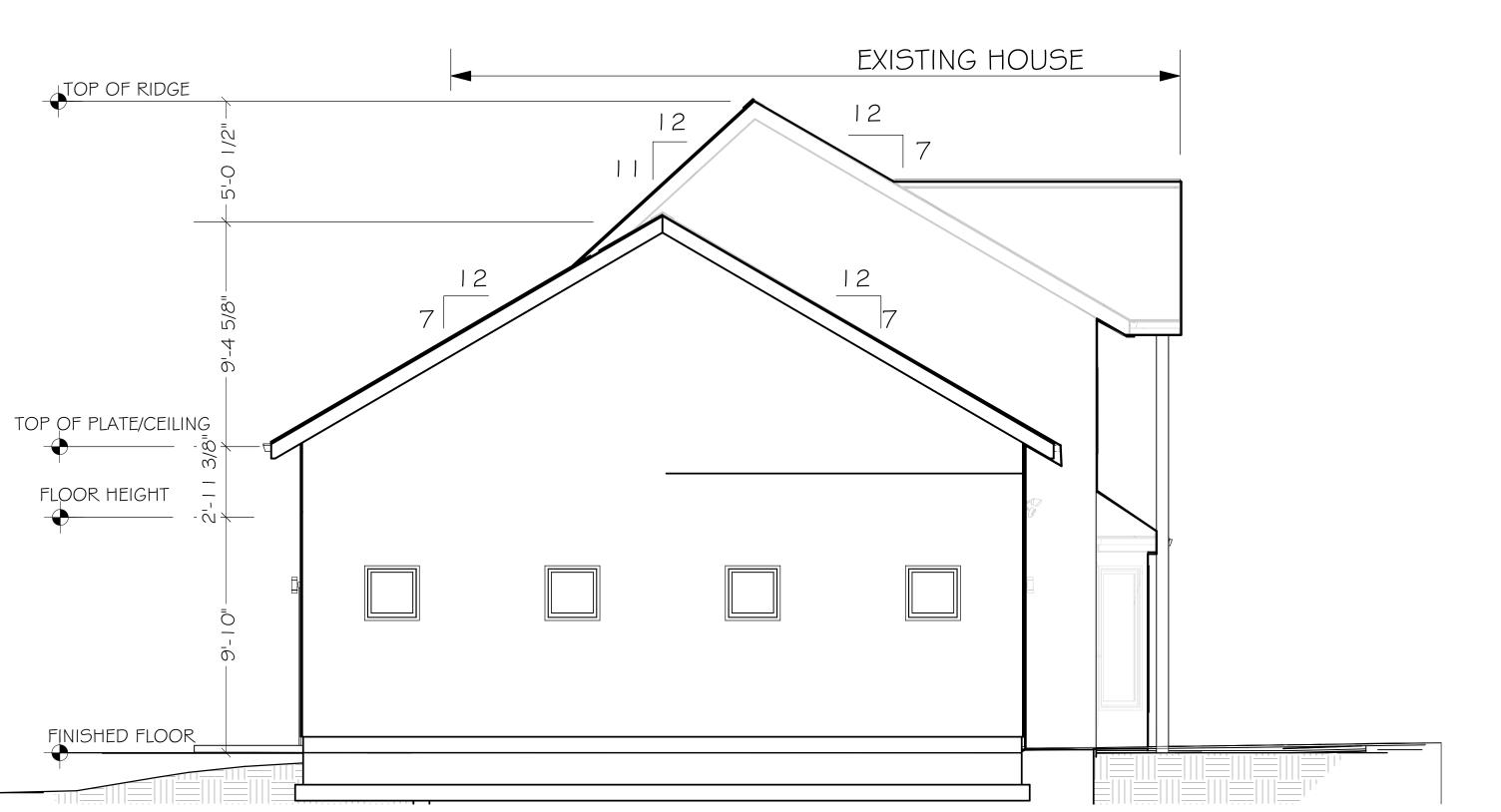
NICHOIAUS MAIONE
4214 86th Ave SE
Mercer Island, WA 98040
Sign Consultant: Jamie Smugere
Project Manager: Tony I opez

A - 3

PROPOSED ROOF PLAN

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







Neil Kelly

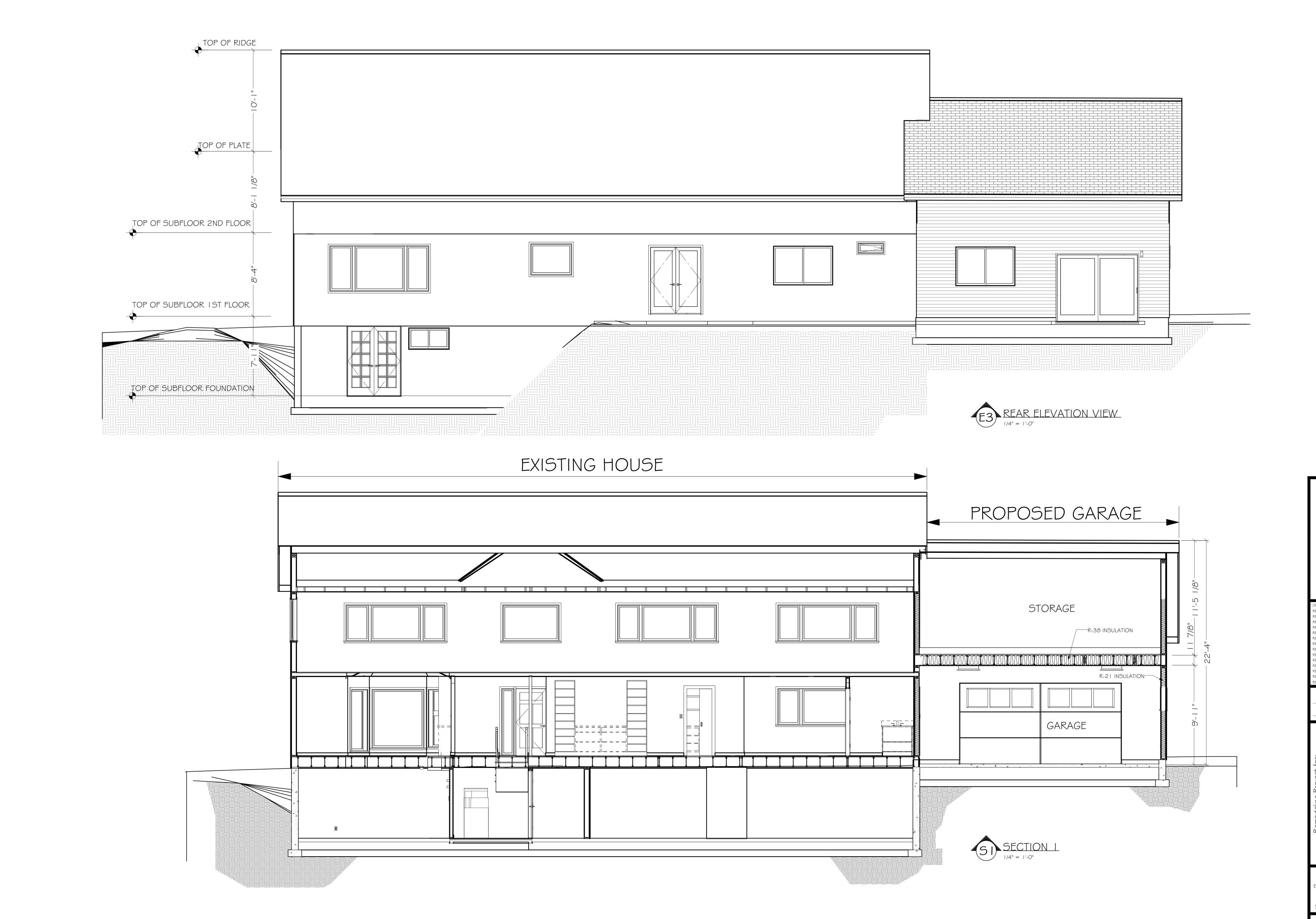
Design/Build Remodeling
5959 Corson Ave S. Suite B, Seattle, WA 98108
206.343.2822
OR CCB# 001663 / WA L&I# NEILKCI 18702

//SED:

cholaus Malone
4214 86th Ave SE
Mercer Island, WA 98040
onsultant: Jamie Smugeresky
ct Manager: Tony Lopez

A - 4EXTERIOR ELEVATIONS \$ 2

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



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206.343.2822
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DRAWN:
REVISED:
DATE

Remodeling Project for:

Nicholaus Malone
4214 86th Ave SE

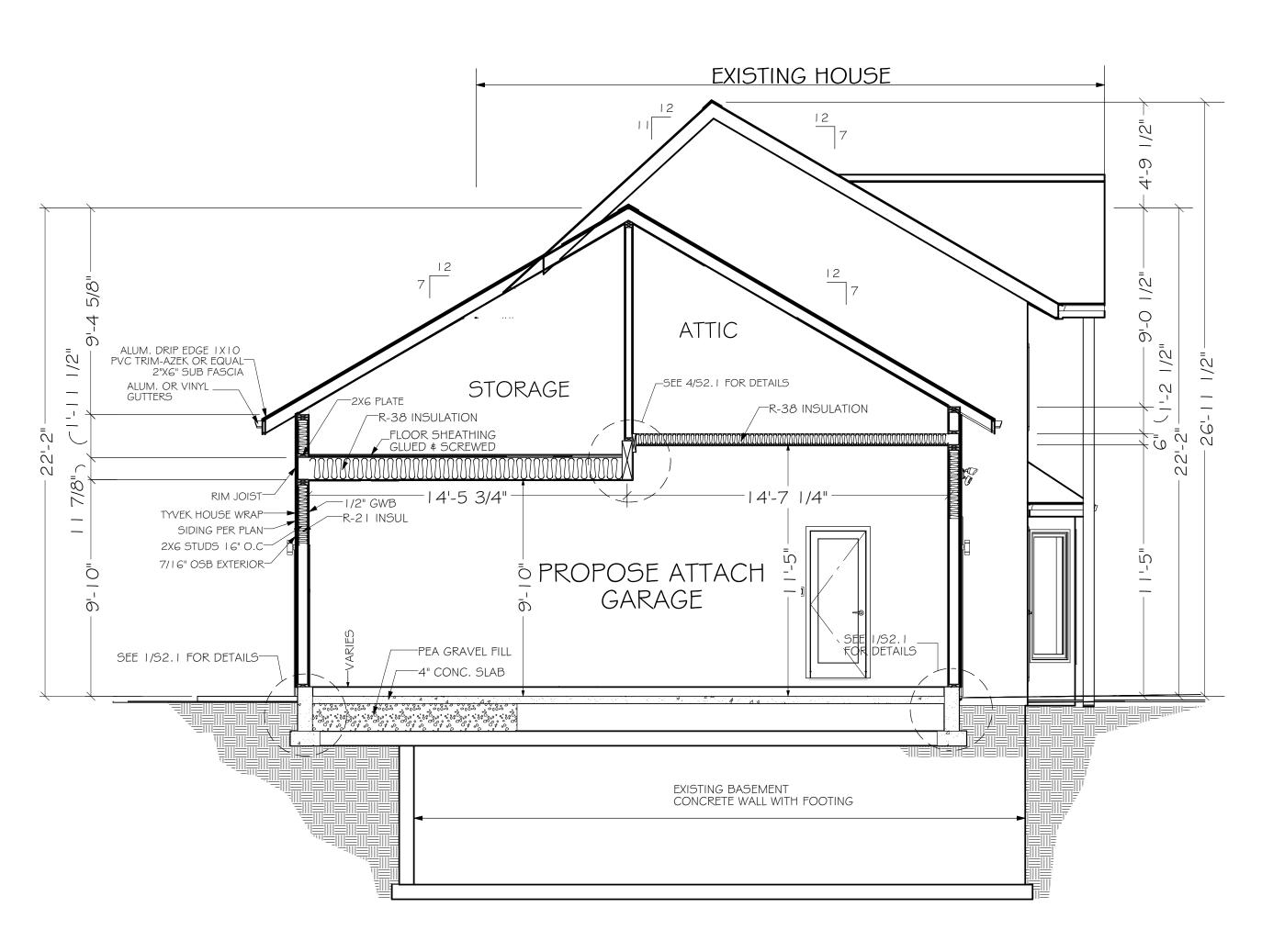
Mercer Island, WA 98040

Consultant: Jamie Smugeresky

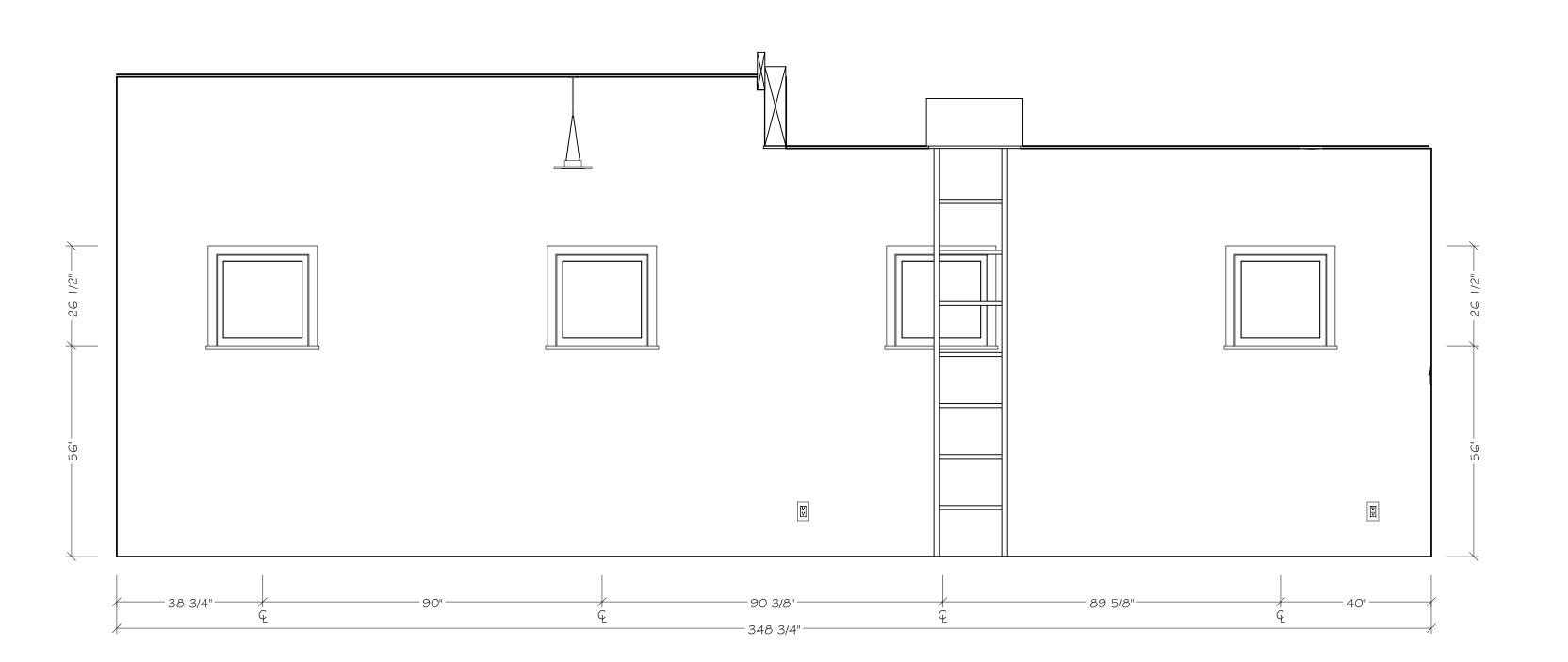
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EXTERIOR ELEVATION 3 \$
SECTION |

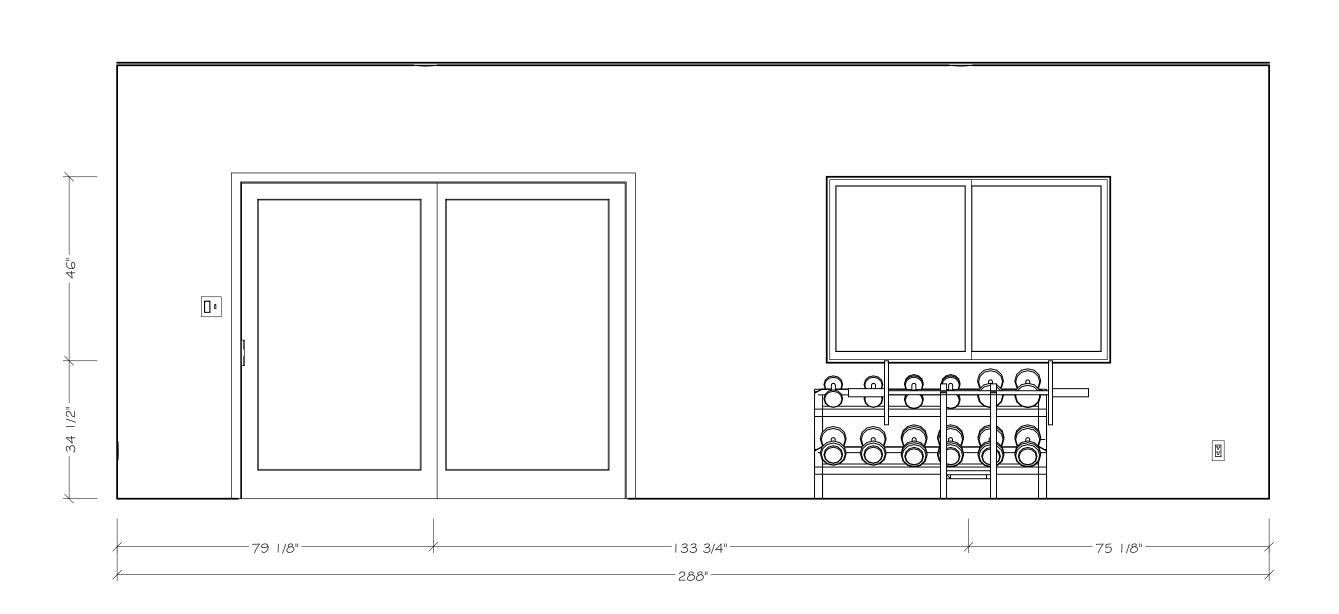
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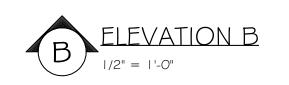












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REVISED:
INITIAL
DATE

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SE	98040
Smugeresky	ony Lopez

Nicholaus Malone
4214 86th Ave SE
Mercer Island, WA 98040
Design Consultant: Jamie Smugere
Project Manager: Tony Lopez

A - 6

SECTION 2 \$ GARAGE INTERIOR ELEVATIONS A \$ B

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

GENERAL STRUCTURAL NOTES

DESIGN LOADS

ALL DESIGN SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE AS ADOPTED BY THE PROJECT JURISDICTION. DESIGN BY ASD UNO.

VERTICAL LOADS: IN ADDITION TO THE STRUCTURE DEAD LOADS (19 PSF ROOF, 12 PSF FLOORS), THE FOLLOWING LIVE LOADS WERE USED FOR DESIGN.

GROUND SNOW ROOF SNOW LOAD 25 POUNDS PER SQUARE FOOT (PSF)* FLOOR LIVE LOAD 40 PSF

STAIRS AND EXIT CORRIDORS 100 PSF DECKS AND BALCONIES 60 PSF LIVE LOAD

ROOF SNOW LOADS: ROOF SNOW LOAD IS CALCULATED IN ACCORDANCE WITH CHAPTER 7 OF ASCE 7 AND PER IBC SECTION 1808. MINIMUM DESIGN ROOF SNOW LOAD IS 25 PSF. PG = 25 PSF, IS = 1.0, PF = 25 PSF, CE = 0.9, CT = 1.0.

FOUNDATION DESIGN: FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH REQUIREMENTS OF IBC, CHAPTER 18, TABLE 1806.2 MINIMUMS. FOUNDATION SYSTEM COMPOSED OF CONVENTIONAL CONCRETE SPREAD AND STRIP FOOTINGS. ALLOWABLE BEARING = 1,500 PSF, LATERAL BEARING = 100 PSF/FT, COF = 0.25. FPASSIVE = 250 PCF, FACTIVE = 35 PCF, FAT REST = 50 PCF.

WIND LOADS: WIND LOADS ARE CALCULATED ACCORDING TO CHAPTER 28 PART 2 OF ASCE 7. RISK CATEGORY = II, EXPOSURE CATEGORY = B, V = 98 MPH, KZT = 1.00, 16 PSF USD, 10 PSF ASD MIN.

SEISMIC DESIGN CRITERIA: SITE CLASS D IE=1.0 SS=1.419 S1=0.493 SDS=1.135 SD1=NA

R = 6.5 SHEAR WALL OMEGA = 3

GENERAL NOTES

STRUCTURAL DRAWINGS INDICATE THE BUILDING IN ITS FINAL, CONSTRUCTED CONDITION. TEMPORARY SHORING AND ERECTION METHODS PRIOR TO FINAL COMPLETION ARE THE RESPONSIBILITY OF THE CONTRACTOR.

STRUCTURAL DRAWINGS INDICATE A PORTION OF THE COMPLETED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR INCORPORATING AND COORDINATING THE REQUIREMENTS OF THE OTHER TRADES.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCY BETWEEN THE STRUCTURAL DRAWINGS AND THE EXISTING CONDITIONS FOR RESOLUTION PRIOR TO PROCEEDING.

STRUCTURAL DRAWINGS SHOW TYPICAL CONDITIONS. WHERE NO DETAIL IS SPECIFICALLY INDICATED, CONSTRUCTION SHALL BE IN ACCORDANCE WITH SIMILAR CONSTRUCTION ON THE PROJECT.

SPECIAL INSPECTION: NONE REQUIRED STRUCTURAL OBSERVATION: NONE REQUIRED

CONCRETE: CONCRETE CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 19 OF THE IBC AND WITH ACI 318. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONCRETE SHALL BE 3,000 PSI, 5 \frac{1}{2} MIN SACK, 4" MAXIMUM SLUMP 0.50 W/C RATIO, ¼" MAXIMUM AGGREGATE SIZE WITH UNIFORM GRADATION. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED, 5% PLUS OR MINUS 1% AIR.

REINFORCING STEEL: ALL REINFORCING STALL SHALL COMPLY WITH ASTM A615, GRADE 60 FOR DEFORMED BARS AND ASTM A185 FOR SMOOTH WELDED WIRE FABRIC (WWF)

REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315). LAP ALL REINFORCING BARS AS DETAILED ON THE DRAWINGS. MINIMUM LAP LENGTH SHALL BE 40D UNO.

REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM COVER: BARS EXPOSED TO EARTH OR WEATHER - 3" MAIN REINFORCING BARS $-1\frac{1}{2}$ " TIES AND STIRRUPS - 1

EPOXY ADHESIVE SHALL CONFORM TO ASTM C881 AND SHALL BE A TWO COMPONENT LIQUID EPOXY WITH NON-SAG CONSISTENCY AND A LONG POT LIFE. EPOXY SHALL BE SUITABLE FOR USE ON DRY OR DAMP SURFACES WITH MINIMUM SHEAR STRENGTH 5000 PSI AND MINIMUM TENSILE STRENGTH OF 4000 PSI. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

STRUCTURAL STEEL CONSTRUCTION SHALL BE IN CONFORMANCE WITH AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE CODE OF STANDARD PRACTICE.

STRUCTURAL STEEL SHAPES AND PLATES SHALL COMPLY WITH ASTM A572 GRADE 50 OR ASTM A992 GRADE 50. HOLLOW STRUCTURAL SECTIONS (HSS) SECTIONS SHALL COMPLY WITH ASTM A500, GRADE B.

TYPICAL BOLTS SHALL CONFORM TO ASTM A307. HIGH STRENGTH BOLTS (HSB) SHALL CONFORM TO ASTM A325-N UNO.

WELDING SHALL CONFORM TO AWS CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. WELDS SHALL BE MADE WITH E70XX ELECTRODES AND SHALL BE $\frac{1}{4}$ " MINIMUM FILLET WELDS UNO.

TIMBER CONSTRUCTION REQUIREMENTS

PRESSURE TREATED MATERIAL

SAWN LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. LUMBER SHALL BE 16% MAXIMUM MOISTURE CONTENT AT THE TIME OF INSTALLATION AND SHALL CONFORM TO THE SPECIES AND GRADES NOTED BELOW.

DESCRIPTION 2" AND 4" DIM LUMBER JOISTS, RAFTERS, STUDS 2" AND 4" DIM LUMBER BEAMS AND HEADERS 4" AND 6" DIM LUMBER POSTS, BEAMS, GIRDERS

HEM FIR #2 OR BETTER DOUG FIR #1 OR BETTER DOUG FIR #1 OR BETTER DOUG FIR #1 OR BETTER

ALL LUMBER IN CONTACT WITH CONCRETE OR CMU SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA U1 (SHOP OR PLANT TREATMENT) AND M4 (FIELD TREATMENT) STANDARDS.

FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE OR APPROVED EQUAL AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. FRAMING ACCESSORIES AND STRUCTURAL FASTENERS WHICH WILL BE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE G90 GALVANIZED OR STAINLESS STEEL. ALL NAIL HOLES SHALL BE FILLED WITH STRUCTURAL FASTENERS UNO ON THE DRAWINGS AND FASTENERS SHALL BE INSTALLED FOLLOWING ALL MANUFACTURER'S REQUIREMENTS. IF MANUFACTURER PROVIDES MULTIPLE FASTENER POSSIBILITIES, THE FASTENERS WHICH ACHIEVE THE HIGHEST LOAD RATING SHALL BE UTILIZED UNO.

ALL FRAMING NAILS SHALL BE OF THE SIZE AND NUMBER INDICATED ON THE DRAWINGS AND SHALL CONFORM TO ASTM F1667 "STANDARD SPECIFICATION OF DRIVEN FASTENERS: NAILS, SPIKES AND STAPLES" AND NER-272 "POWER DRIVEN STAPLES AND NAILS FOR USE IN ALL TYPES OF BUILDING CONSTRUCTION." NAILS SHALL BE IDENTIFIED BY LABELS ATTACHED TO THEIR CONTAINERS THAT SHOW THE MANUFACTURER'S NAME AND NES REPORT NUMBER, NAIL SHANK DIAMETER AND LENGTH. NAILING NOT SHOWN SHALL BE AS INDICATED IN IRC TABLE R602.3(1) AND/OR IBC TABLE 2304.10.1 OR NER-272. THE FOLLOWING NAIL SIZES SHALL BE USED:

NAIL TYPE SHANK DIAMETER MINIMUM PENETRATION

1.25" 0.131" 1.50" 10D 0.148" 1.625" 12D 0.148 1.625 16D 0.148 1.625" BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASTM STANDARD B18.2.1-1981. ALL BOLTS AND LAG SCREWS SHALL HAVE CUT THREADS.

CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO IBC SECTIONS 2320.8.2, 2308.9.1 AND 2308.10.4.

WOOD STRUCTURAL PANELS WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS OF "US PRODUCT STANDARD PS.1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD", "US PRODUCT STANDARD PS2 PERFORMANCE STANDARDS FOR WOOD-BASED STRUCTURAL USE PANELS". OR "APA PRP-108 PERFORMANCE STANDARDS" UNO. UNO, PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. APA 24/OTYP ROOF AND WALLS UNO, APA 磐 TYP FLOOR UNO.

WOOD STRUCTURAL PANEL INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW & SPACING AT PANEL ENDS AND EDGES UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.

ALL ROOF AND FLOOR SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS UNO ON DRAWINGS. ROOF SHEATHING SHALL BE BLOCKED, TONGUE AND GROOVE OR SHALL HAVE PLY-CLIPS. FLOOR SHEATHING SHALL BE TONGUE AND GROOVE AND SHALL BE GLUED AND NAILED UNO. T&G JOINTS SHALL ALSO BE GLUED.

SHEAR WALL SHEATHING SHALL BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY AND ALL PANELS EDGES SHALL BE BLOCKED WITH 2X FRAMING.

MINIMUM NAILING FOR ALL STRUCTURAL SHEATHING SHALL BE 10D AT 6" OC AT PANEL EDGES AND 10D AT 12" OC IN THE FIELD. NAILS SHALL BE "COMMON" EXCEPT ROOF SHEATHING SHALL BE NAILED WITH RING SHANK NAILS.

GLUED LAMINATED MEMBERS

GLUED LAMINATED MEMBER (GLB) SHALL BE FABRICATED IN CONFORMANCE WITH ANSI STANDARD A190.1, AMERICAN NATIONAL STANDARD FOR GLUED LAMINATED TIMBER OR OTHER CODE APPROVED DESIGN, MANUFACTURING AND/OR QUALITY ASSURANCE PROCEDURES. EACH MEMBER SHALL BEAR AND AITC OR APA-EWS IDENTIFICATION MARK. ENDS SHALL BE SEALED IMMEDIATELY IN THE SHOP OR IMMEDIATELY UPON FIELD TRIMMING. BEAMS SHALL BE WESTERN SPECIES INDUSTRIAL (HIDDEN) OR ARCHITECTURAL (EXPOSED) APPEARANCE CLASSIFICATION AND SHALL BE 24F-V4 FOR SIMPLE SPANS AND 24F-V8 FOR MULTIPLE SPAN OR CONTINUOUS MEMBERS. FB SHALL BE 2,400 PSI, E SHALL BE 1,800,000 PSI AND FV SHALL BE 300 PSI.

GLB HANGERS SHALL BE SIMPSON GLT UNO. ADHESIVE SHALL BE WET USE EXTERIOR WATERPROOF GLUE. FLIED NOTCHING OR BORING OF GLB IS NOT ALLOWED UNLESS APPROVED IN WRITING BY STRUCTURAL ENGINEER OF RECORD (SER).

ENGINEERED COMPOSITE LUMBER

AS SHOWN ON PLANS OR AS NOTED BELOW.

ENGINEERED COMPOSITE LUMBER SHALL BE AS MANUFACTURED BY WEYERHAUSER TRUS JOIST ENGINEERED WOOD PRODUCTS OR APPROVED EQUAL. TIMBERSTRAND LSL LUMBER SHALL BE 1.55E FOR BEAMS AND HEADERS, AND 1.3E FOR POSTS AND COLUMNS. MICROLAM LVL LUMBER SHALL BE 2.0E. PARALLAM PSL LUMBER SHALL BE 2.2E FOR BEAMS AND HEADERS, 1.8E FOR POSTS AND COLUMNS.

CONCRETE MASONRY CONCRETE MASONRY UNITS (CMU) SHALL COMPLY WITH ASTM C90. LINEAL SHRINKAGE FOR UNITS SHALL NOT EXCEED 0.065%. ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI. ALL CMU CONSTRUCTION SHALL BE REINFORCED

ALL MORTAR SHALL BE TYPE S WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 1800 PSI AND SHALL CONFORM TO IBC CHAPTER 21 REQUIREMENTS.

GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI AND SHALL CONFORM TO IBC CHAPTER 21 REQUIREMENTS. GROUT SHALL CONSIST OF A MIXTURE OF CEMENTITOUS MATERIALS, AGGREGATE AND WATER. WATER SHALL BE SUFFICIENT TO ALLOW THE GROUT TO FLOW WITHOUT SEGREGATION. ALL CUM SHALL BE

MASONRY REINFORCING STEEL

REINFORCING FOR CMU SHALL CONFORM TO IBC CHAPTER 21. DEFORMED BARS SHALL BE GRADE 60 AND SHALL BE FIRMLY TIED INTO POSITION PRIOR TO PLACEMENT OF GROUT IN ACCORDANCE WITH ACI 530. MINIMUM CMU WALL REINFORCEMENT FOR 8" CMU SHALL BE #5 BARS AT 24" OC EACH WAY. MINIMUM CMU WALL REINFORCEMENT FOR 12" CMU SHALL BE #5 EACH FACE, EACH WAY AT 32" OC. ALL MASONRY WALLS SHALL HAVE (2) #5 CONTINUOUS HORIZONTAL ALL ROOF LINES, FLOOR LINES AND TOP OF WALLS. IN ADDITION, PROVIDE (2) #5 TRIM BARS EACH SIDE, TOP AND BOTTOM OF ALL OPENINGS. VERTICAL TRIM BARS SHALL EXTEND FULL HEIGHT OF THE WALL, HORIZONTAL TRIM BARS SHALL EXTEND 24" MINIMUM BEYOND OPENING. AT CORNERS AND INTERSECTIONS, PROVIDE CORNER BARS THAT LAP 24" MINIMUM EACH WAY WITH TYPICAL HORIZONTAL REINFORCEMENT. IN ADDITION, PROVIDE ADDITIONAL (2) #5 VERTICAL TRIM BARS. PROVIDE FOOTING DOWELS TO MATCH ALL VERTICAL WALL REINFORCEMENT. FOOTING DOWELS SHALL BE HOOKED INTO FOUNDATION WITH A STANDARD 90 DEGREE HOOK 3" CLEAR OF BOTTOM AND SHALL LAP 40 DIAMETERS MINIMUM WITH WALL REINFORCEMENT.

CONCRETE PENETRATIONS WHERE PIPES OR CONDUITS PENETRATE CONCRETE WALLS OR FOOTINGS, PROVIDE OVERSIZE SLEEVE. ALL PENETRATIONS SHALL BE WITHIN THE MIDDLE $\frac{1}{3}$ OF FOOTING OR WALL DEPTH. DO NOT CORE OPENINGS WITHOUT WRITTEN PERMISSION FROM ENGINEER. WHERE PIPES OR CONDUITS OCCUR WITHIN 12" OF BOTTOM OF FOOTING, THICKEN FOOTING TO EXTEND 6" MINIMUM BELOW TO PROVIDE 3" MINIMUM COVER BELOW PIPE OR

CONDUIT WHERE PIPES AND FOOTINGS ARE PARALLEL TO FOOTINGS, LOCATE FOOTINGS TO FALL ABOVE 2H: 1V LINE EXTENDING FROM BOTTOM OF FOOTING

ARREVIATIONS

	ANCHOR BOLT AMERICAN CONCRETE INSTITUTE ADDITIONAL ARCHITECTURLLY EXPOSED RAL STEEL AMERICAN INSTITUTE OF STEEL CTION ALTERNATE OR ALTERNATING ALUMINUM ARCHITECTURAL AMERICAN SOCIETY OF CIVIL RS AMERICAN SOCIETY FOR AND MATERIALS AMERICAN WELDING SOCIETY BUILDING BOTTOM OF CONCRETE	- 6	
AB ACI	ANCHOR BOLL	LBC	POUND
ACI ADD'I	AMERICAN CONCRETE INSTITUTE	LB2	FUUNDS
ADD L	ADOUTECTURELY EVROCER		LIVE LUAD
AESS Stdlictli	ARCHITECTURLLT EXPOSED DAT STEEL		LONG LEG HOMZONTAL
VICC	MAL SIEEL AMEDICAN INSTITUTE OF STEEL		LONG LLG VERTICAL
AISC CONCTRH	CTION	LONG	LONGITUDE OR LONGITUDINA
ΔΙΤ	ALTERNATE OR ALTERNATING	l VF	LOW VELOCITY FASTENER
AL LIM	ALLIMINUM	MAX	MAXIMUM
ARCH'I	ARCHITECTURAL	MECH	MECHANICAL
ASCF	AMERICAN SOCIETY OF CIVIL	MFR	MANUFACTURER
ENGINEER	RS	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR	MISC	MISCELLANEOUS
TESTING	AND MATERIALS	NF.	NEAR FACE
AWS	AMERICAN WELDING SOCIETY	NIC	NOT IN CONTRACT
BLDG	BUILDING	NIP	NOT A PART
BOC	BOTTOM OF CONCRETE	NOM	NOMINAL
BOF	BOTTOM OF FRAMING	NO OR #	NOT TO SOALE
BOP	BOTTOM OF PLYWOOD /	N I S	NUL TO SCALE
SHEATHIN	NG .	00	ON CENTER OUTSIDE DIAMETED
BOT	BOTTOM	OD OF	OUTSIDE DIAMETER
B0	BLOCK OUT	OPNG	OPENING
CG	CENTER OF GRAVITY	OPP	OPPOSITE
CIP	CAST IN PLACE	OWI	OPEN WEB JOIST
U.J.	CONTRUL JOINT	PART	PARTITION
CI	CONSTRUCTION JOINT	PC	PRECAST
OL OLD	CLEAD	PCF	POUNDS PER CUBIC FOOT
CMII	CONCRETE MASONRY LINIT	PERIM	PERIMETER
CIVIO	CONCRETE	PERP	PERPENDICULAR
CONN	CONNECTION	PL	PLATE
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
CP	COMPLETE PENETRATION	PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PSL	2.2E PARALLAM PSL
DET	AMERICAN WELDING SOCIETY BUILDING BOTTOM OF CONCRETE BOTTOM OF FRAMING BOTTOM OF PLYWOOD / NG BOTTOM BLOCK OUT CENTER OF GRAVITY CAST IN PLACE CONTROL JOINT CONSTRUCTION JOINT CENTERLINE CLEAR CONCRETE MASONRY UNIT CONCRETE CONNECTION CONTINUOUS COMPLETE PENETRATION DOUBLE DETAIL DIAMETER	P.T.	POST-TENSIONED
DIA	DIAMETER	PT	PRESSURE TREATED
	DEAD LOAD	RET	RETURN
	DRAWI NG	REINF REQ'D	REINFORCEMENT
	EACH	KEŲ D	REQUIRED
	EACH END	SCHED	SCHEDULE SLIP CRITICAL
	EACH FACE	SEC	SECTION
	ELEVATION	SHT	
	EMBEDMENT EQUAL	SIM	SIMILAR
	E)EXISTING		SLAB ON GRADE
	EXPANSION	SPEC	SPECIFICATION
	EXTERIOR	SQ	SQUARE
	EACH WAY	SS	STAINLESS STEEL
	FOUNDATION	STD	STANDARD
	FINISHED FLOOR		STRUCTURAL
FIG	FINISHED FLOOR FIGURE	SYM	
	FLOOR	THRU	
	FULL PENETRATION	TO	TOP OF
FT	FOOT	TOC	TOP OF CONCRETE
FTG	FOOTING	TOD	TOP OF DECK
GA	GAUGE	TOF	TOP OF FRAMING
GALV	GALVANIZED	TOP	TOP OF PLYWOOD
GB	GALVANIZED GRADE BEAM	TOS	
GLB	GLU-LAM BEAM	T&G TJ	TONGUE AND GROOVE TRUS JOIST
HDR	HEADER	TYP	
HOR	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
HSB	HIGH STRENGTH BOLT	VERT	
	HOLLOW STRUCTURAL STEEL	W/	
IBC	INTERN'L BUILDING CODE		WIDE FLANGE
`	EDITION UNO)	W/O	
ICBO	INTERNATIONAL CONFERENCE	WP	
OF	BUILDING OFFICIALS	WWF	
ID	INSIDE DIAMETER	** **!	I MOINO
IF INI	INSIDE FACE		
IN INT	INCH INTERIOR		
JT	JOINT		
UΙ	A COLON I		

MARK	SHEATHING	EDGE NAILING	SHEAR TRANS NAILING	ANCHOR BOLT
MK1	15"" STRUCT 1	8D @ 6" OC	16D AT 6" OC OR A35 AT 16" OC	5″ø @ 32″ OC
MK2	15" STRUCT 1	8D @ 4" OC	16D AT 4" OC OR A35 AT 12" OC	5" ø @ 24" OC
MK3	0.5" STRUCT 1	8D @ 3" OC	16D @ 3" OC OR A35 @ 8" OC	3" ø @ 32" OC
MK4	15" STRUCT 1	8D @ 2" OC	(2) ROWS 16D @ 4" OC OR A35 @ 6" OC	3" ø @ 24" OC
MK5	0.5" STRUCT 1 EACH SIDE	8D @ 3" OC STAGGERED	(2) ROWS 16D @ 4" OC OR A35 @ 4" OC	1" AT 24" OC
MK6	0.5" STRUCT 1 EA SIDE	8D @ 2" OC STAGGERED	(2) ROWS 16D AT 2" OC OR A35 @ 4" OC	1" AT 16" OC

- 1. PANELS MAY BE INSTALLED HORIZONTALLY OR VERTICALLY. MINIMUM PANEL DIMENSION SHALL BE 32". ALL PANEL EDGES SHALL BE BLOCKED.
- 2. ALL SHEAR PANELS REQUIRE NAILS SPACED AT 12" MAX OC AT ALL INTERMEDIATE SUPPORTS. 3. SHEAR WALL MK1 & MK2 REQUIRE 2X MIN FRAMING AT 16" MAX OC AND PT 2X SILL PLATES.
- 4. SHEAR WALL MK3 & MK4 REQUIRE 2X MIN FRAMING IN FIELD AT 16" MAX OC WITH 3X MEMBERS AT ABUTTING PANEL JOINTS AND PT 2X SILL PLATES. 5. SHEAR WALL MK5 & MK6 SHALL HAVE PANEL JOINTS STAGGERED ON OPPOSITE SIDES OF THE
- WALL AND 3X MIN FRAMING AT ALL PANEL JOINTS AND PT 3X SILL PLATES. 6. ANCHOR BOLTS SHALL BE ASTM A307 WITH 8" MIN EMBEDMENT. ALL ANCHOR BOLTS SHALL HAVE $rac{1}{2}$ " x 3" x3" plate washers and shall be centered 2" max from sheathed side of wall.
- AT MK5 & MK6, STAGGER ABS. 7. ALL NAILS TO BE HOT DIP GALVANIZED 8D COMMON OR 10D COMMON AS NOTED. 8. PROVIDE DBL KING STUD CONNECTED WITH 16D @ 4" OC OR 4X AT EA END EA SHEAR WALL UNO



NOTES:

INDICATES PLYWOOD SHEAR WALL. SEE 1/S1.0 FOR INFORMATION. REQUIREMENTS FOR SHEAR WALLS SHOWN APPLY TO WALLS ABOVE LEVEL INDICATED. FOR REQUIREMENTS BELOW LEVEL INDICATED, SEE PLAN BELOW. SHEAR WALL REQ'TS APLY FULL LENGTH OF WALLS. EXT WALLS TO MEET MARK 1 REQUIREMENTS IN ALL LOCATIONS UNLESS HEAVIER SHEAR WALL REQUIREMENTS ARE INDICATED.

- 2. FTG4 INDICATES PAD FOOTING. SEE 4/S5.1 FOR DETAILS
- 3. INDICATES 4X4 POST TYP UNO. POSTS SHALL HAVE CB BASES AND CCQ OR ECCQ CAPS AS APPROPRIATE UNO. POSTS IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- 4. 📕 INDICATES 4X6 POST TYP UNO. POSTS SHALL HAVE CB BASES AND CCQ OR ECCQ CAPS AS APPROPRIATE UNO. POSTS IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- 5. INDICATES 6X6 DF#1 POST TYP UNO. POSTS SHALL HAVE CB BASES AND CCQ OR ECCQ CAPS AS APPROPRIATE UNO. POSTS IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- 6. SEE 5/S5.1 FOR WALL FRAMING DETAILS, TYP HEADER SIZES AND OTHER STANDARD FRAMING REQUIREMENTS
- 7. FRAMING PLANS SHOW INFORMATION BASED ON A PLANE CUT IMMEDIATELY ABOVE THE RELATIVE LEVEL LOOKING DOWNWARD. THEREFORE, ELEMENTS SHOWN ARE TYPICALLY BELOW THE LEVEL. FOR INSTANCE, HEADERS SHOWN ON



SPECIAL INSPECTION REQUIREMENTS

KILO (1000) POUNDS

KSI KIPS PER SQUARE INCH

KIPS PER SQUARE FOOT

KIPS

KSF

SPECIAL INSPECTION ITEM	CONTINUOUS	PERIODIC	NOT APPLICABLE	COMMENTS
SOILS				
GRADING EXCAVATION AND BACKFILL			X	BY SOILS ENGINEER
FINAL GRADING			X	
MICRO-PILE INSTALLATION			X	
AUGER PILE INSTALLATION			X	
CONCRETE				
MIX DESIGNS				SUBMIT TO STRUCTURAL ENGINEER
WITA DESIGNS				SOBIMIT TO STRUCTURAL ENGINEER
REINFORCEMENT PLACEMENT			X	
REINFORCEMENT WELDING			X	
REINFORCEMENT COUPLERS			X	
ANCHOR BOLTS AND INSERTS			X	
MATERIAL VERIFICATION			X	
PREPARATION OF TEST SPECIMENS			X	
CONCRETE PLACEMENT			X	
EPOXY ANCHOR INSTALLATION		Χ		
EXPANSION ANCHOR INSTALLATION		Χ		
STRUCTURAL STEEL				
HIGH STRENGTH BOLTING			X	
FIELD WELDING			X	
WELDING OF STUDS AND ANCHORS			X	
METAL DECK WELDING			X	
MASONRY				PER IBC SECTION 1704, LEVEL 1
REINFORCEMENT PLACEMENT			X	
GROUTING			X	
PREPARATION OF TEST SPECIMENS			X	
ANCHOR BOLT AND EMBED PLACEMENT			X	
TIMBER				
DIAPHRAGM NAILING			X	
SHEAR WALL NAILING			X	

- 1. SPECIAL INSPECTION SHALL BE PERFORMED IN ACCORDANCE IN INTERNATIONA BUILDING CODE (IBC) CHAPTER 17 REQUIREMENTS.
- 2. ITEMS MARKED WITH AND "X" SHALL BE INSPECTED BY A CERTIFIED INSPECTOR IN ACCORDANCE WITH IBC CHAPTER 17 REQUIREMENTS.
- 3. CONTINUOUS INSPECTION MEANS THAT THE CERTIFIED INSPECTOR IS ON SITE AT ALL TIMES WHEN THE PARTICULAR ACTIVITY
- 4. PERIODIC INSPECTION MEANS THA THE INSPECTOR IS ON SITE AT INTERVALS AS NEEDED TO VERIFY THAT THE WORK CONFORMS WITH PROJECT REQUIREMENTS.

1/23/21 FOR JURISDICTION REVIEW

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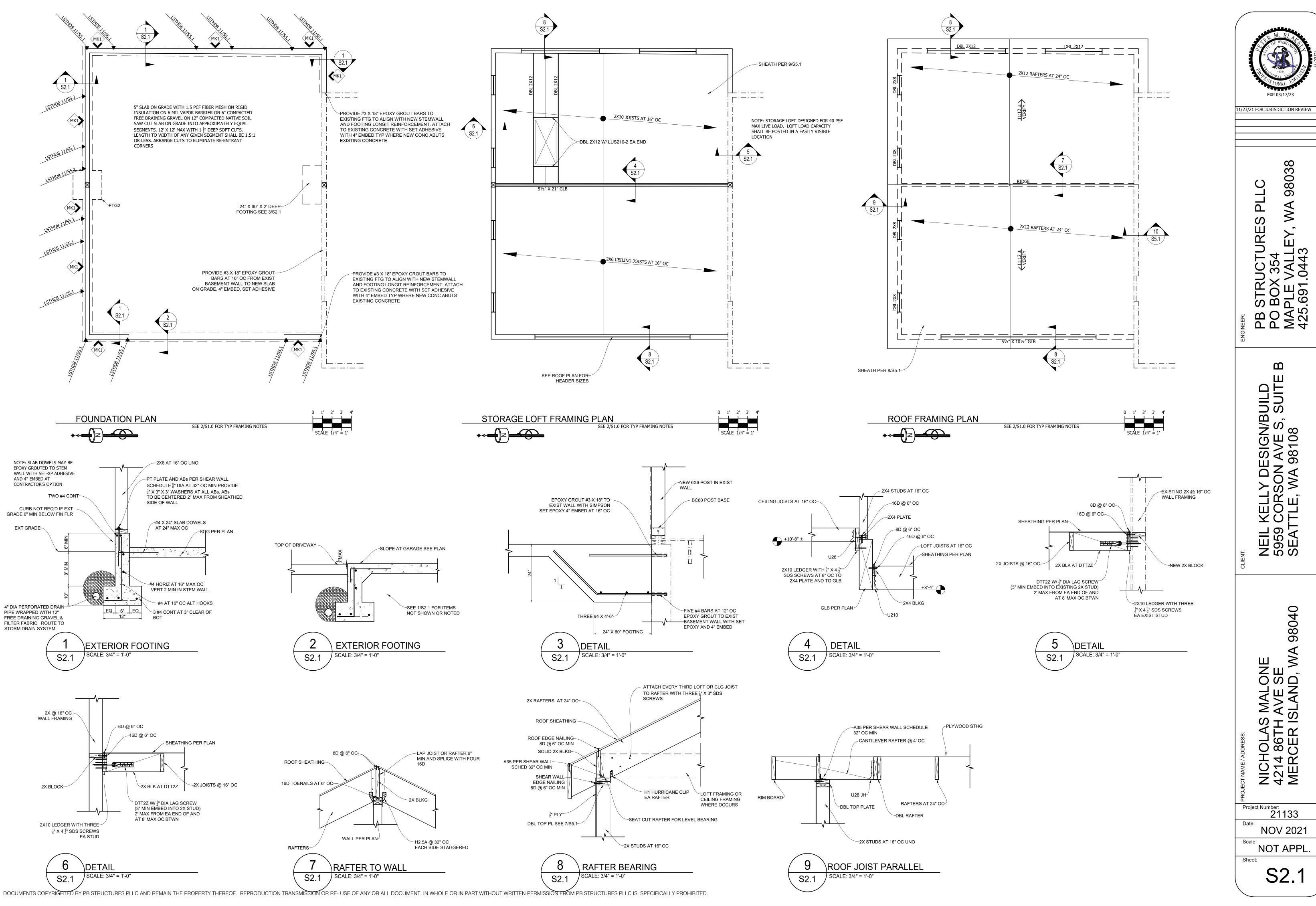
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Project Number: 21133 NOV 2021

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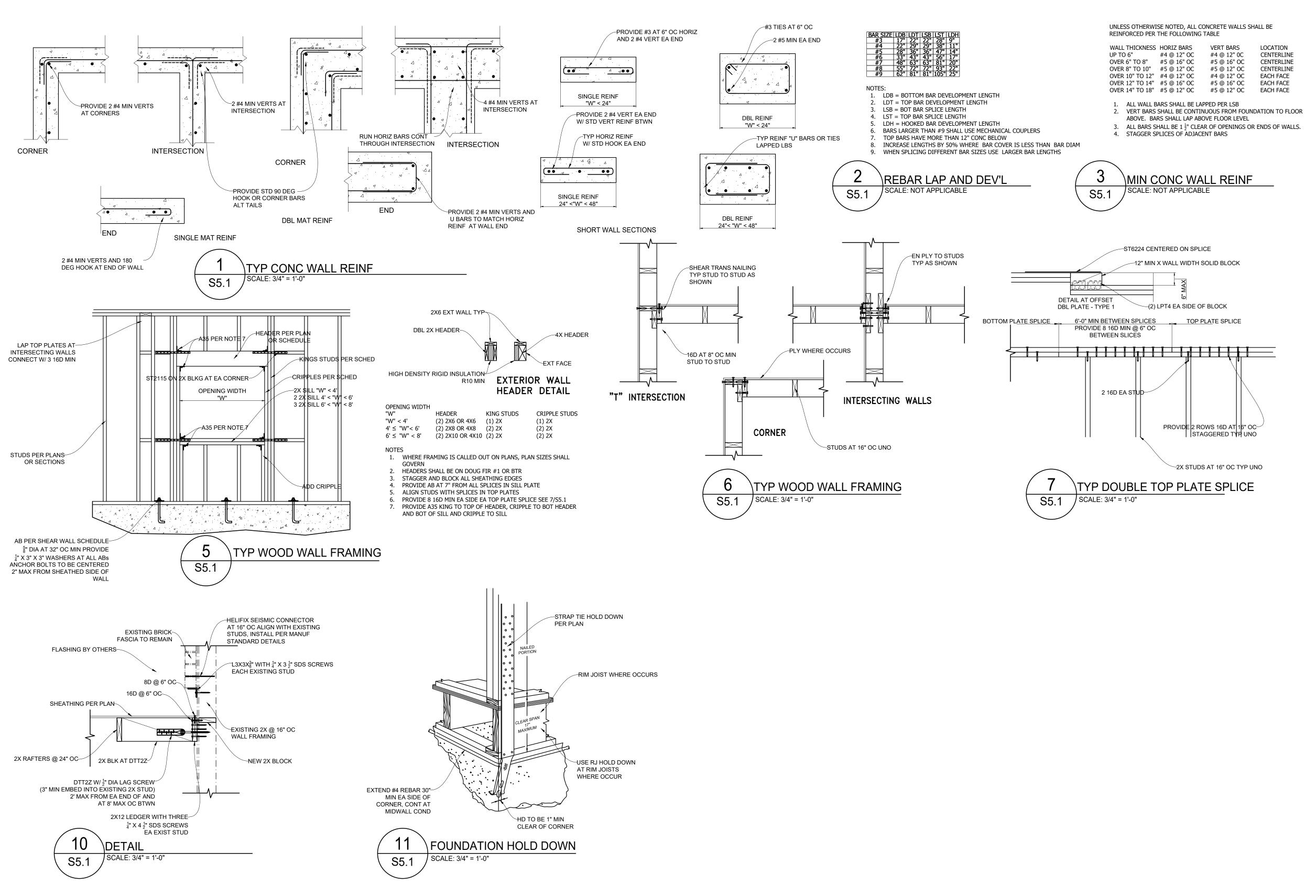
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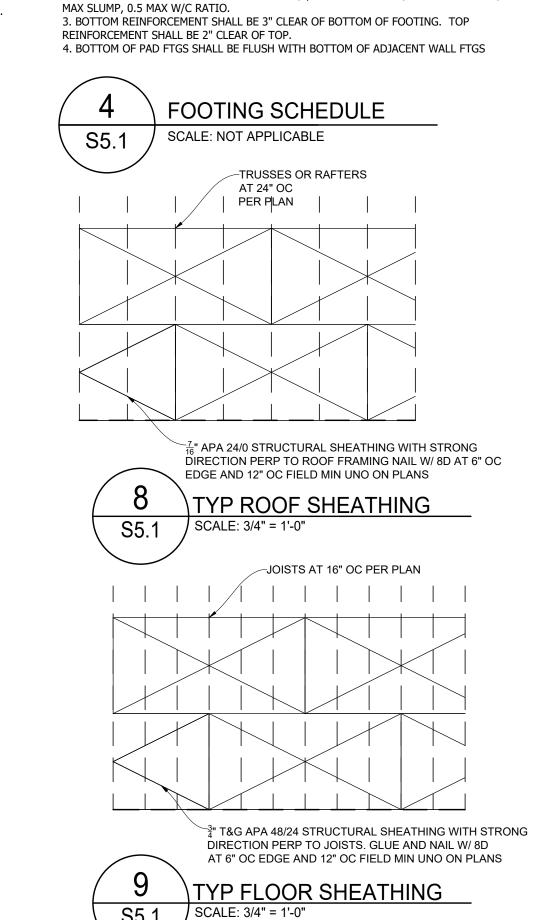
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Project Number: 21133 NOV 2021

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S2.





FOOTING SCHEDULE

SIZE

2' X 2' X 10"

3' X 3' X 12"

4' X 4' X 12"

4' X 4' X 24"

5' X 5' X 12"

6' X 6' X 24"

REINFORCEMENT

(3) #4 BARS EACH WAY

(4) #4 BARS EACH WAY

(5) #4 BARS EACH WAY

(6) #5 BARS EACH WAY

16" DIA X 18" EMBED W/ (4) #3 VERT AND #3 TIES AT 6" OC

EXTERIOR FOOTINGS SHALL BE BASED 18" MINIMUM BELOW LOWEST ADJACENT GRADE.

2. FOUNDATION CONCRETE SHALL BE 3000 PSI, $\frac{3}{4}$ " MAX AGGREGATE, NORMAL WEIGHT, 4"

1. SPREAD FOOTINGS SHALL BE CENTERED UNDER WALL OR POST AS APPLICABLE.

(5) #5 BARS EACH WAY TOP AND BOTTOM

(7) #6 BARS EACH WAY TOP AND BOTTOM

MARK

FTG1

FTG2

FTG3

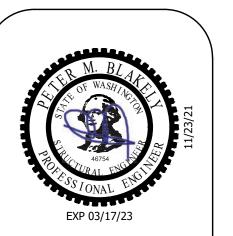
FTG4

FTG5

FTG6

FTG7

NOTES:



11/23/21 FOR JURISDICTION REVIEW

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PB PO MA 425

ESIGN/BUILD AVE S, SUITE 98108 Y DE SON / WA 9 NEIL 5959 SEAT

NICHOLAS 4214 86TH MERCER I

Project Number: 21133

NOV 2021

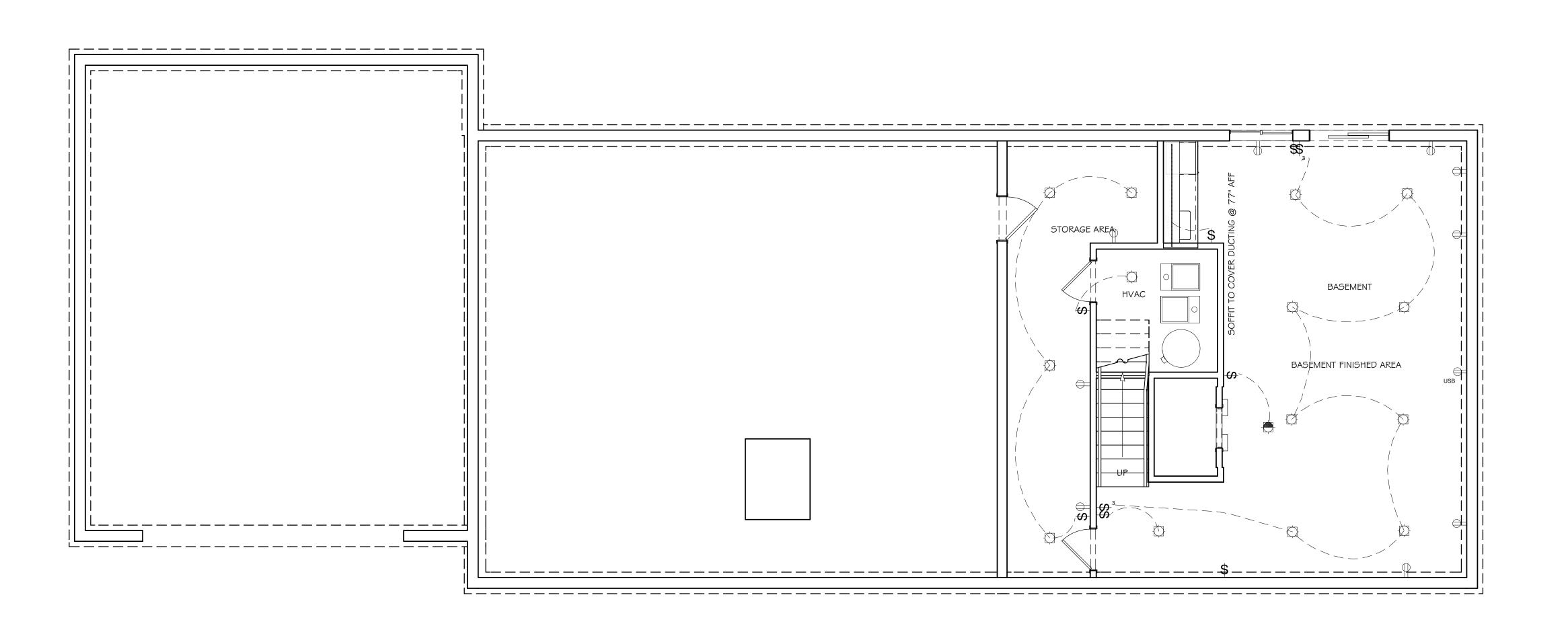
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S5.1

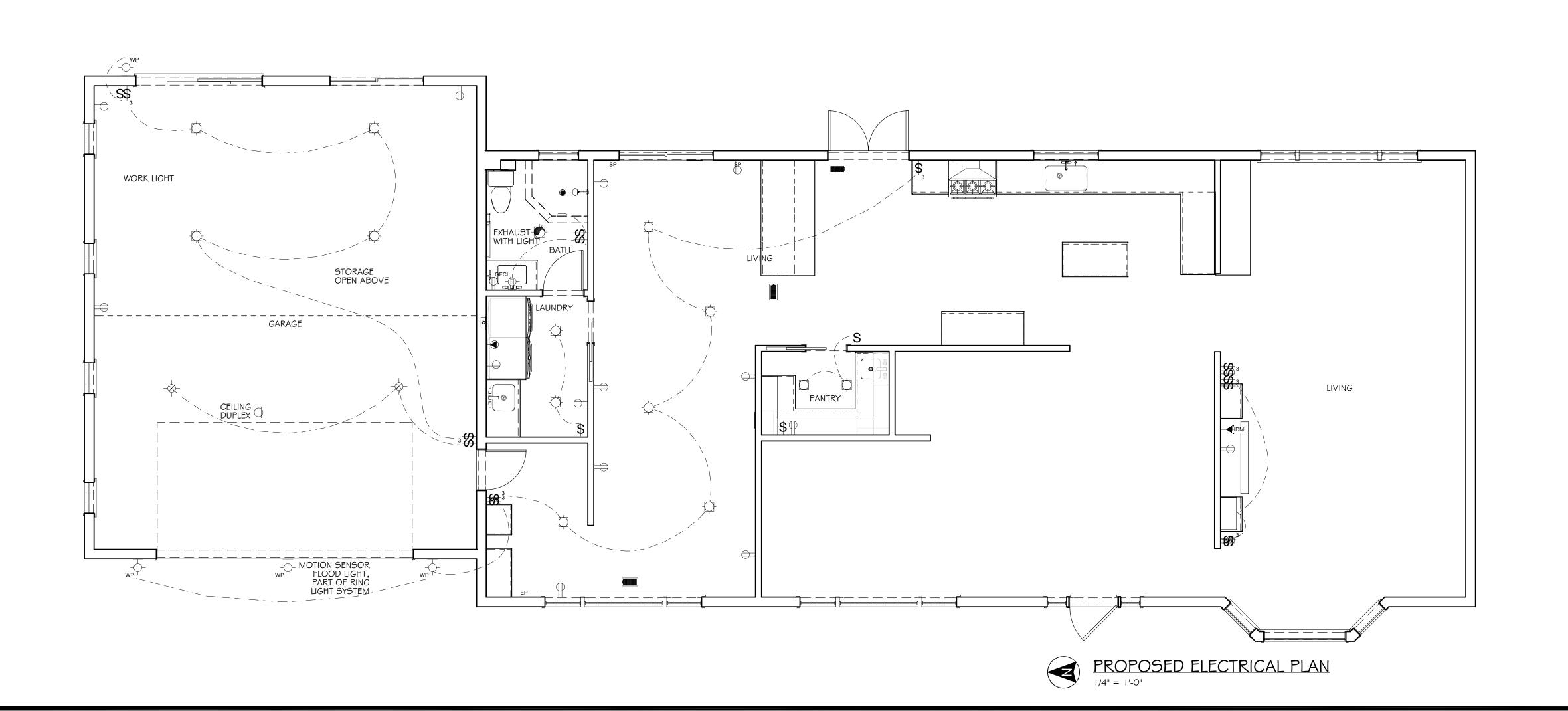
MALONE 4214 86TH AVE SE MERCER ISLAND, WA 98040

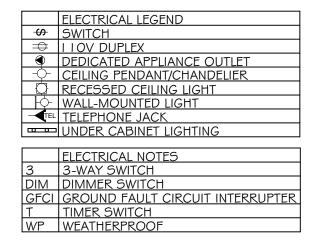
PB STRUCTURES PLLC PO BOX 354 MAPLE VALLEY, WA 98038

PROJECT NUMB	21133	
DATE:	01/24/2021	
SCALE:	1/2" = 1' 0"	
TITLE:		
S	K1	









WALL LEGEND

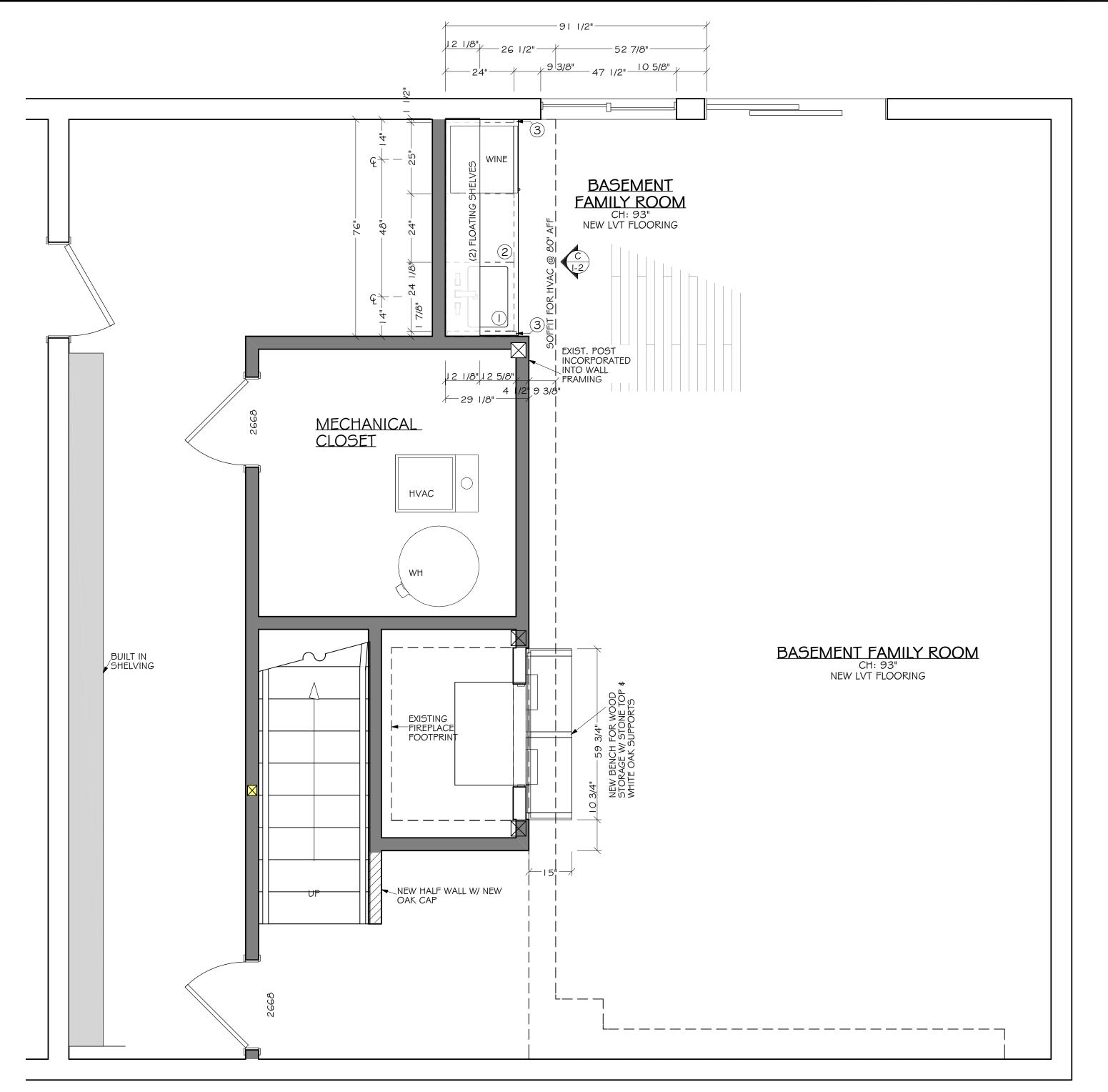
EXISTING WALLS TO REMAIN OPENINGS TO BE ENCLOSED WALLS NEW HALF WALLS NEW FULL-HEIGHT WALLS

> GENERAL NOTES EXISTING NEW

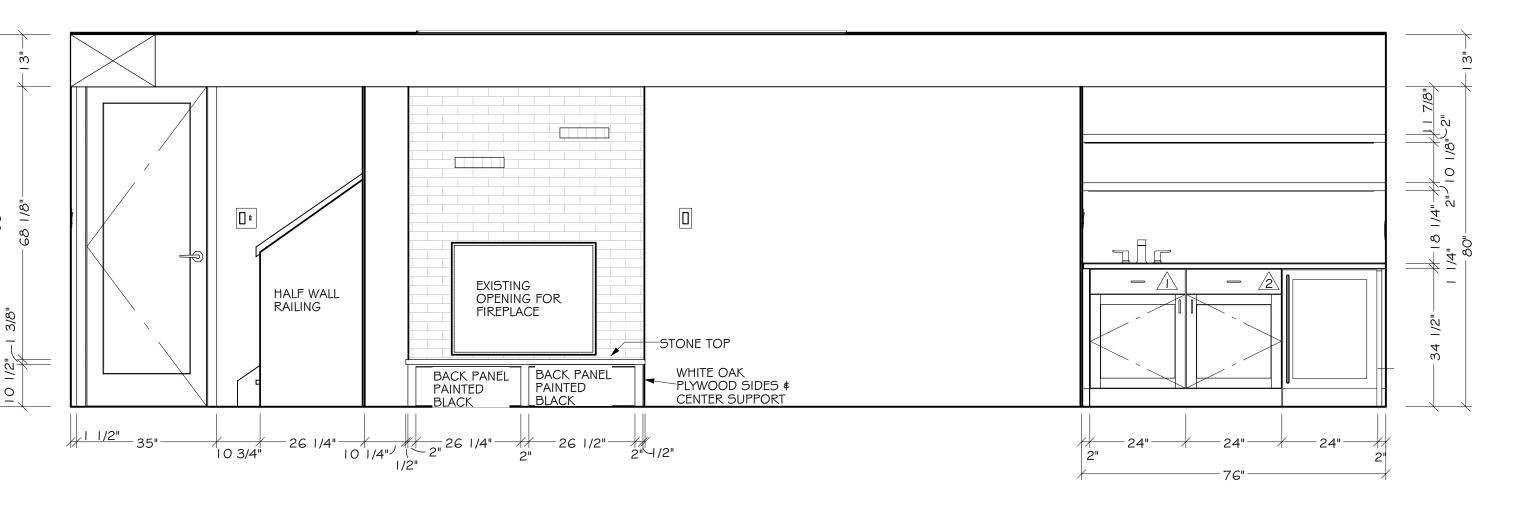
RL RELOCATE RP REPLACE

Kelly Id Remodeling

PROPOSED ELECTRICAL PLANS SCALE: 1/4" = 1'-0"









CABINET LEGEND REFERENCE CABINET ORDER FOR DETAILS

= SGI: KITCHEN-BAR

= SG2: BATH-LAUNDRY & HALL BATH

= SG3: OTHER-MUDROOM # = SG4: OTHER-PANTRY

CABINET NOTES

Decor SGI - FP440, Cherry, Charcoal

(1) Toe Kick (5) (1) Touch Up Kit

WALL LEGEND

EXISTING WALLS TO REMAIN

OPENINGS TO BE ENCLOSED

NEW HALF WALLS

NEW FULL-HEIGHT WALLS

Neil Kelly

Design/Build Remodeling
5959 Corson Ave S. Suite B, Seattle, WA 98108
206.343.2822
OR CCB# 001663 / WA L&I# NEILKCI 18702

DRAWN:
REVISED:

HOMEOWNER APPROVAL
SEE DECLARATIONS ON PAGE 01

INITIAL DATE

Remodeling Project for:

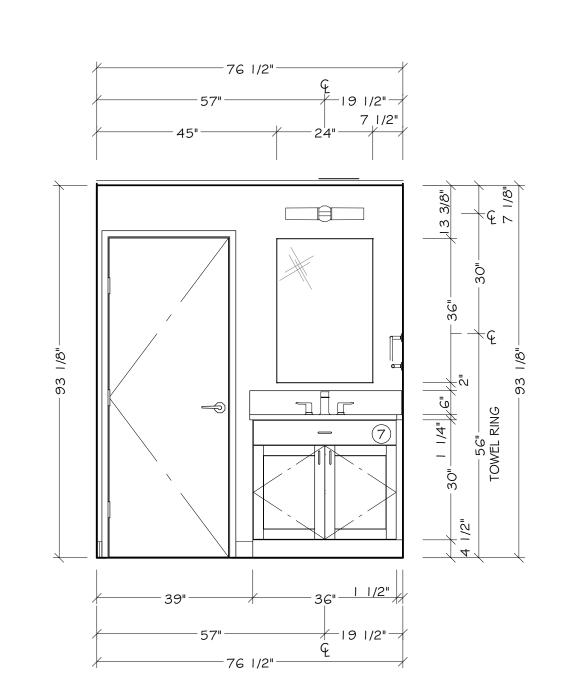
Nicholaus Malone
4214 86th Ave SE

Mercer Island, WA 98040
Consultant: Jamie Smugeresky
Diect Manager: Tony Lopez

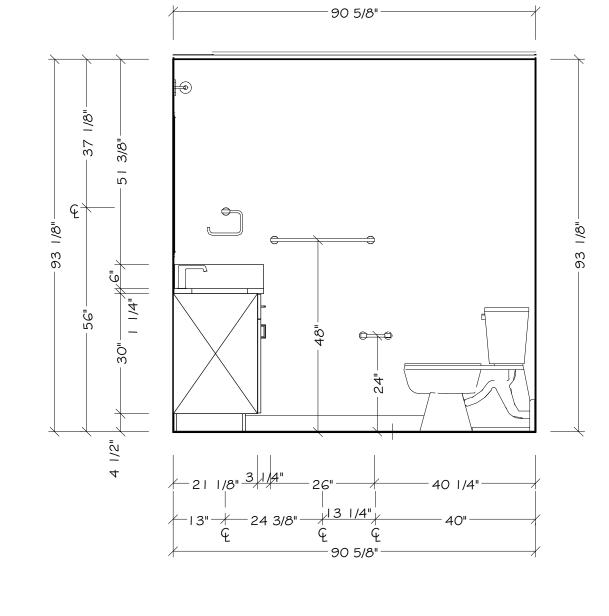
I - 2

BASEMENT NKBA PLAN \$
INTERIOR ELEVATION

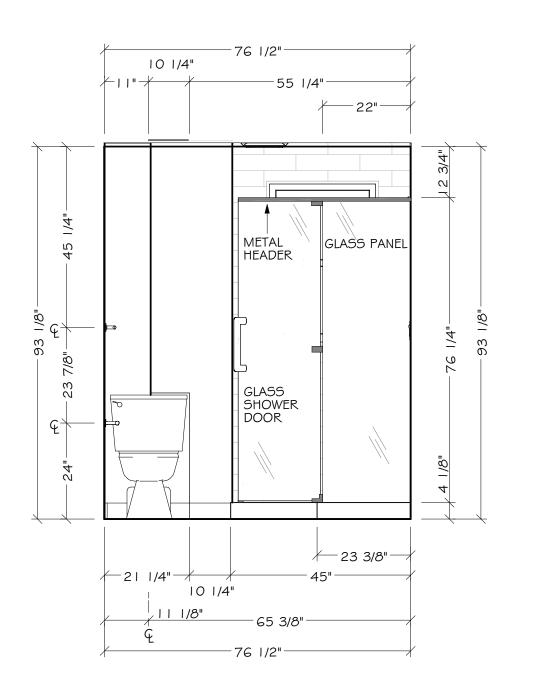
SCALE: 1/2" = 1'-0" 6/8/2022



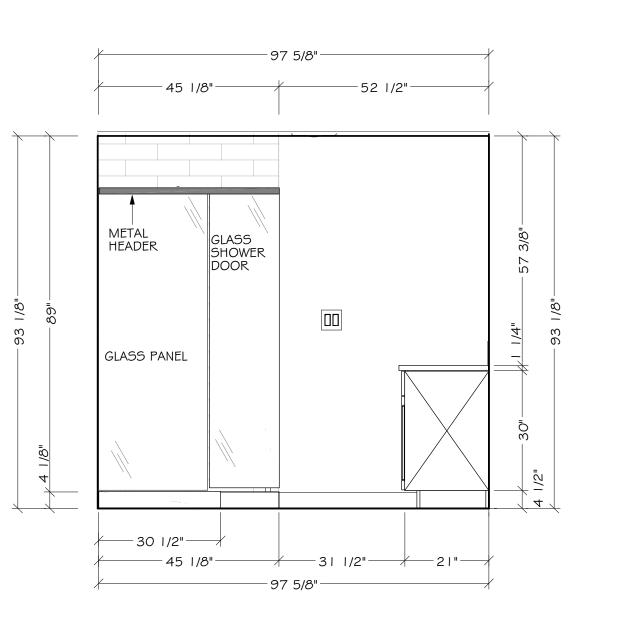




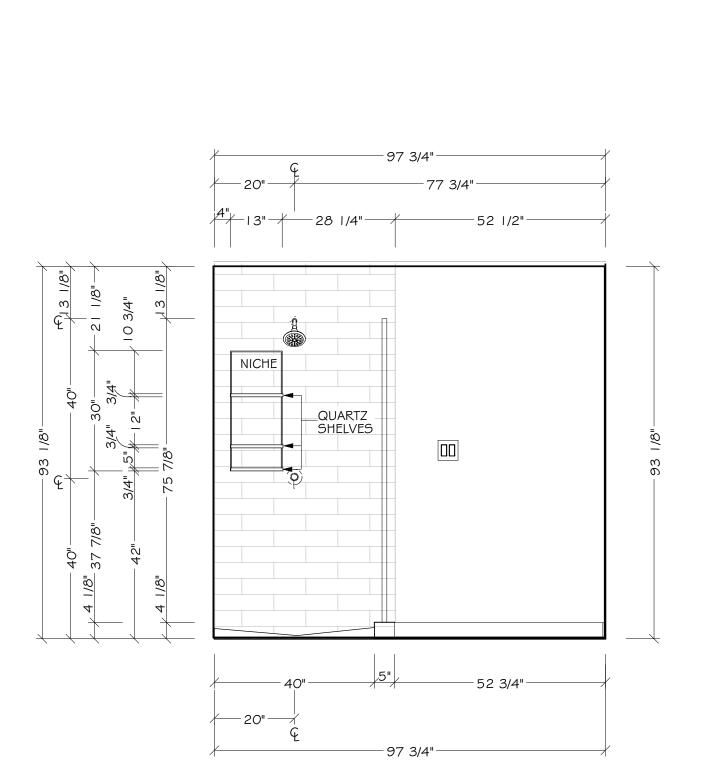














CABINET NOTES Decor SG2- FP440, Maple, Polar White

CABINET LEGEND
REFERENCE CABINET ORDER FOR DETAILS

= SGI: KITCHEN-BAR

= SG2: BATH-LAUNDRY \$ HALL BATH (1) Cr

= 5G3: OTHER-MUDROOM # = 5G4: OTHER-PANTRY Decor SG2- FP440, Maple, Polar W

10 (1) Crown Molding

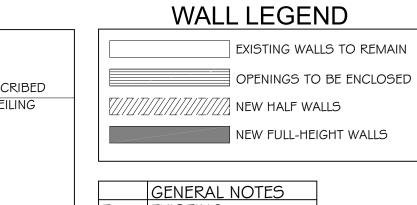
11 (1) Touch Up Kit

12 (1) Toe Kick

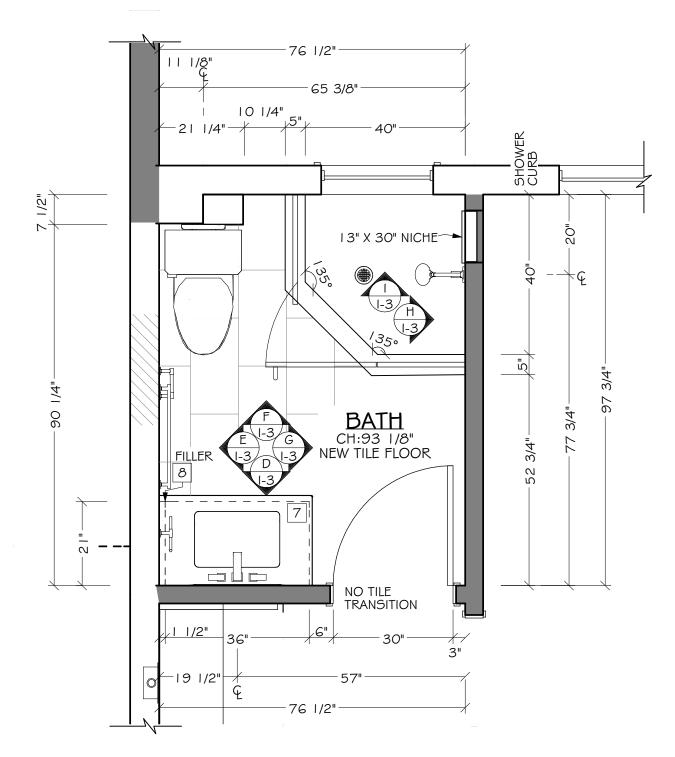
L-SHAPED
MOULDING SCRIBED
CEILING

CAB
BOX
CAB DOOR

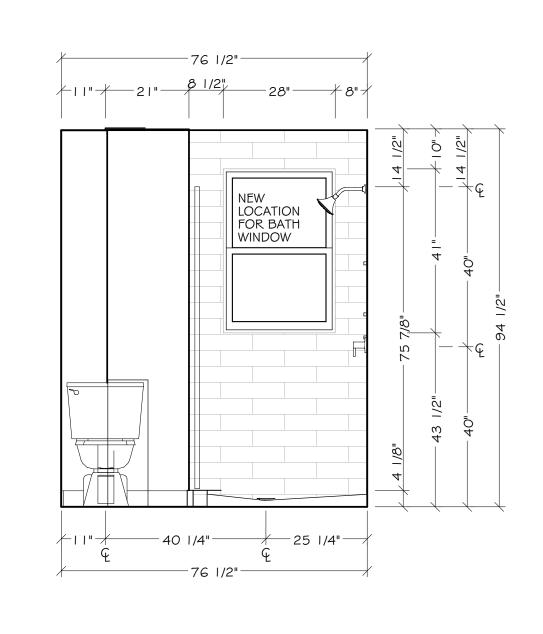
CROWN DETAIL TYP.

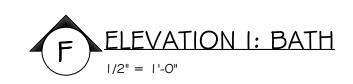


GENERAL NOTES
E EXISTING
N NEW
RL RELOCATE
RP REPLACE









I - 3

BATH NKBA PLAN \$
INTERIOR ELEVATIONS

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

6/8/2022

Neil Kelly

Design/Build Remodeling
5959 Corson Ave S. Suite B, Seattle, WA 98108
206.343.2822
OR CCB# 001663 / WA 7.2.

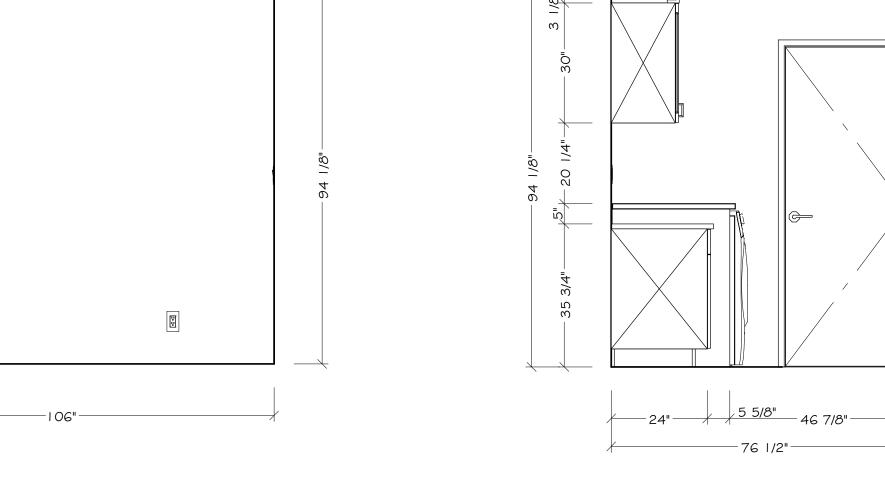
DRAWN:
REVISED:

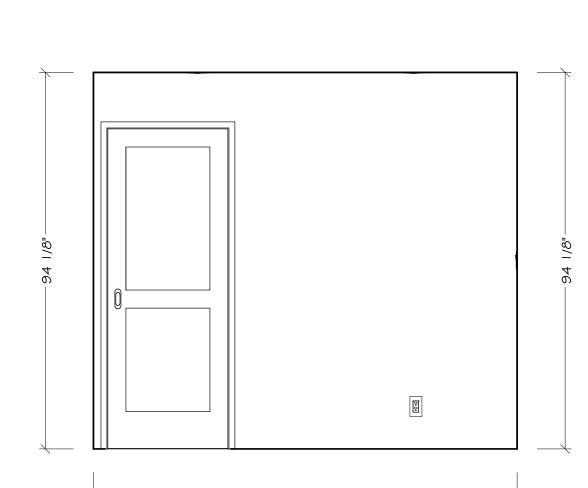
24" <u>5 5/8"</u> 46 7/8"—











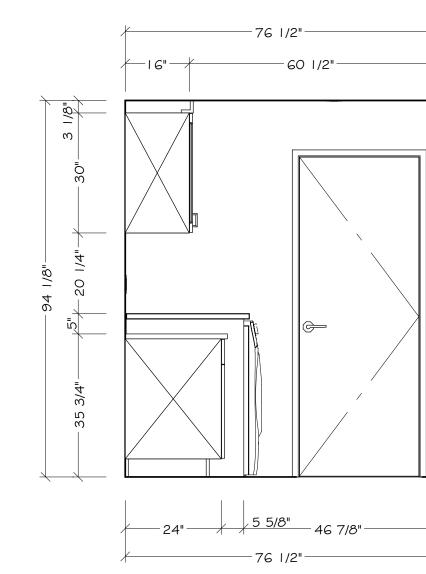
CABINET LEGEND REFERENCE CABINET ORDER FOR DETAILS

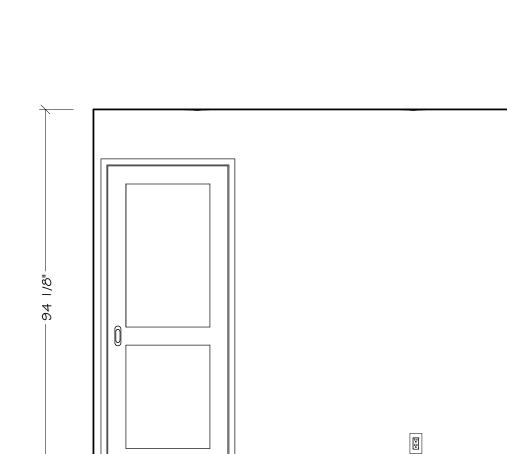
= SG2: BATH-LAUNDRY & HALL BATH

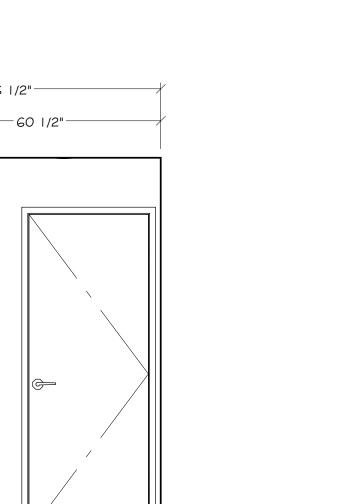
= SGI: KITCHEN-BAR

= SG3: OTHER-MUDROOM

= SG4: OTHER-PANTRY









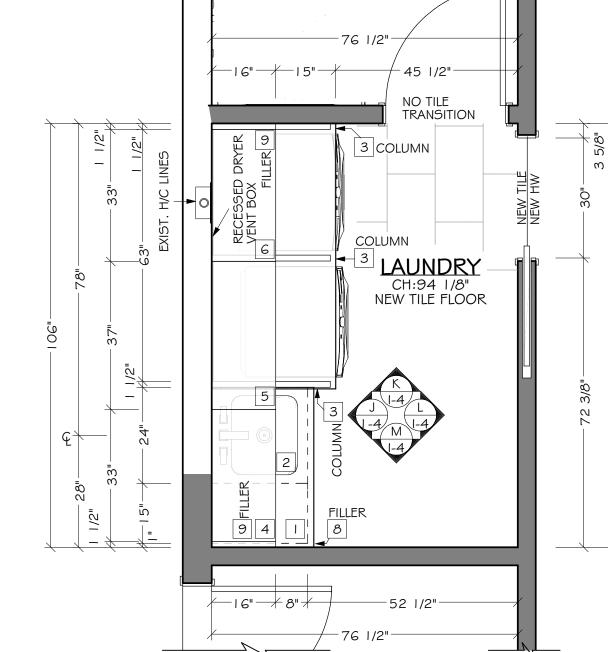
-76 I/2"-

1 1/2"

PARTITION STANDARD

CONNECT W/D TO EXIST. H/C LINES

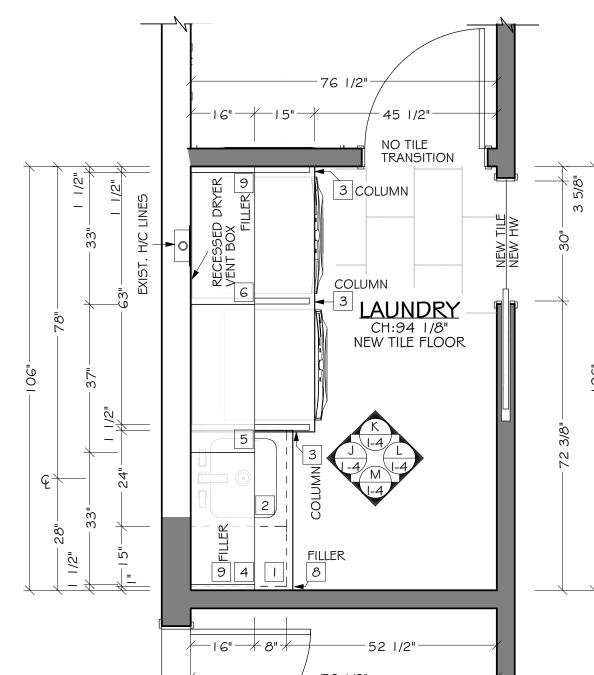




CABINET NOTES

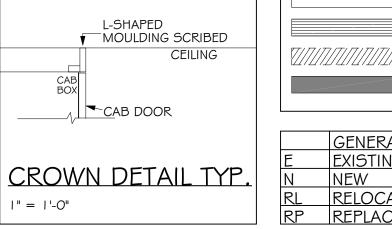
(1) Crown Molding
(1) Touch Up Kit
(1) Toe Kick

Decor SG2- FP440, Maple, Polar White



LAUNDRY FLOOR PLAN

1/2" = 1'-0"



				EXISTING WAL	LS TO REMAIN
				OPENINGS TO	BE ENCLOSE
		<i>\[\]</i>		NEW HALF WA	ALLS
				NEW FULL-HE	IGHT WALLS
			GENERAL	NOTES	
		E	EXISTING		
<u> </u>		N	NEW		
	l	DI	DELOCATE	=	

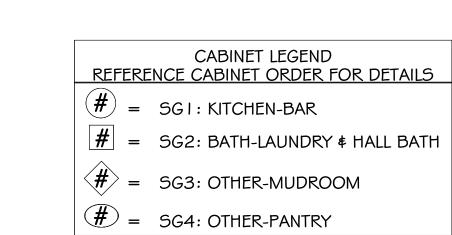
WALL LEGEND

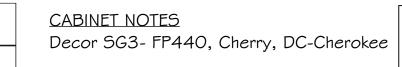
)		OPENINGS TO	
		NEW FULL-HE	IGHT WALLS
			ı
		GENERAL NOTES	
	E	EXISTING	
卫.	Ν	NEW	
	RL	RELOCATE	
	RP	REPLACE	

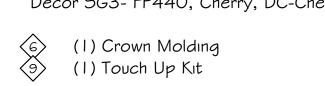
Neil Kelly
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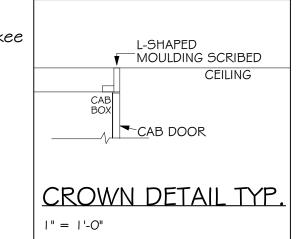
LAUNDRY NKBA PLAN \$
INTERIOR ELEVATIONS

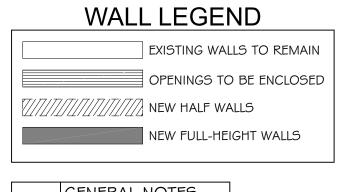
SCALE: 1/2" = 1'-0"



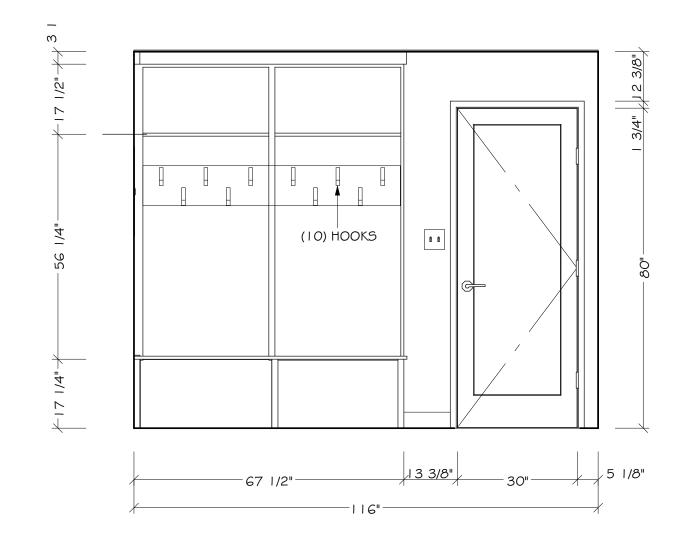




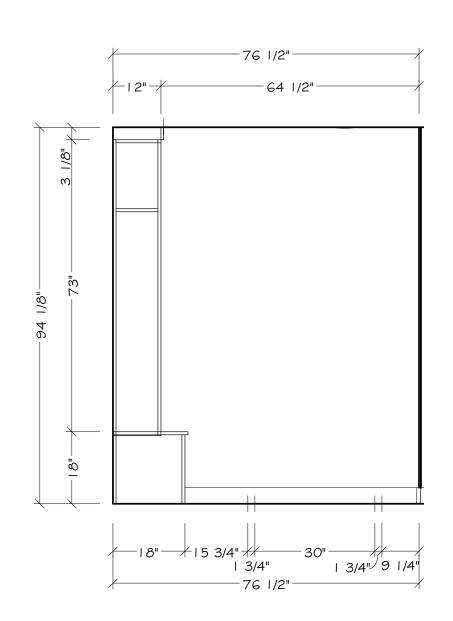




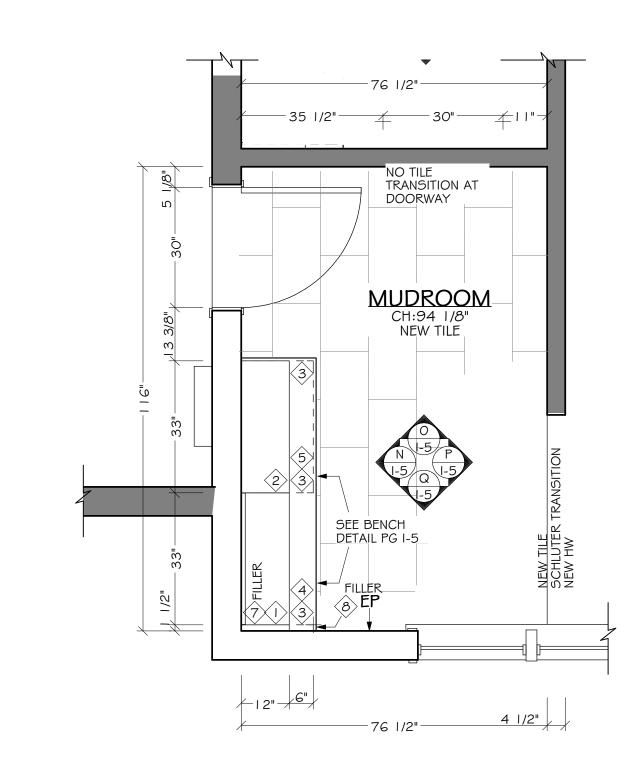
	GENERAL NOTES
E	EXISTING
Ν	NEW
RL	RELOCATE
RP	REPLACE



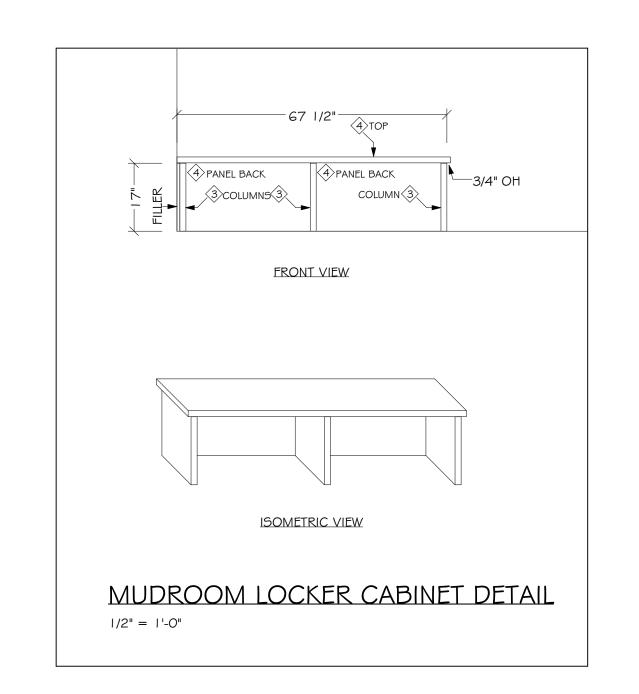


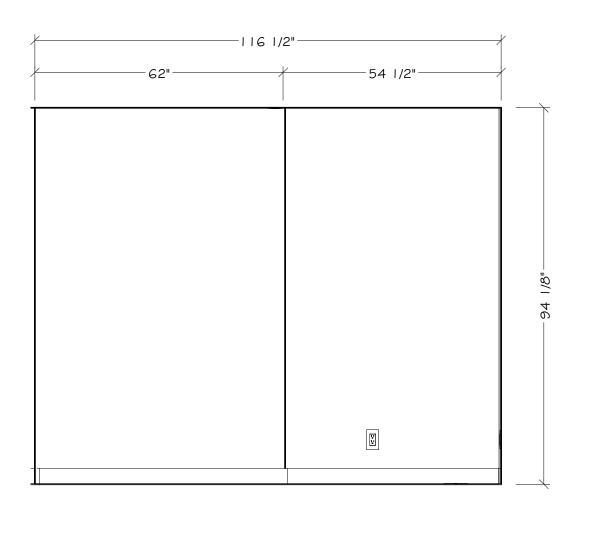


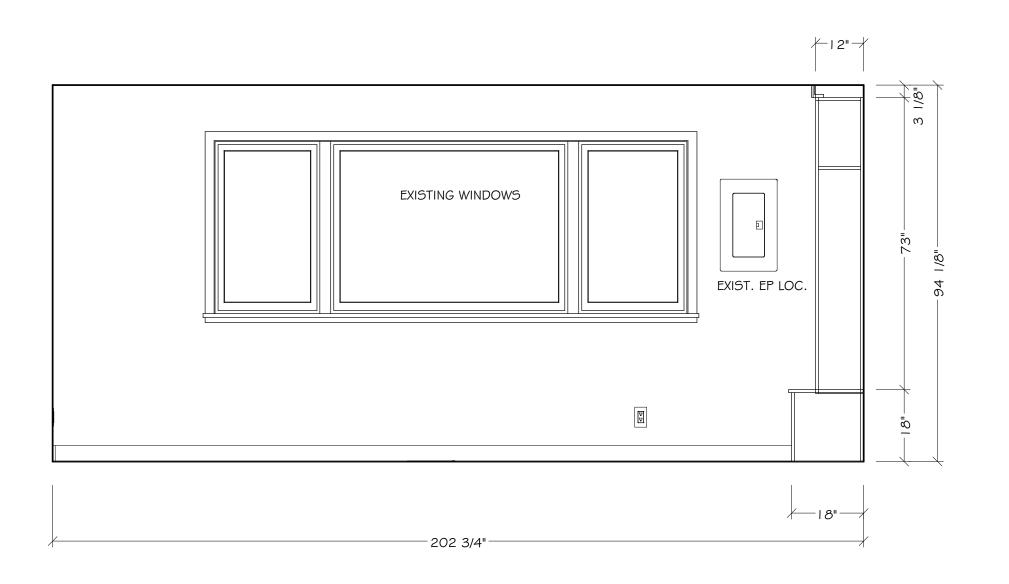














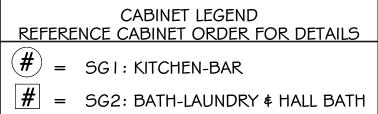




MUDROOM NKBA PLAN \$
INTERIOR ELEVATIONS

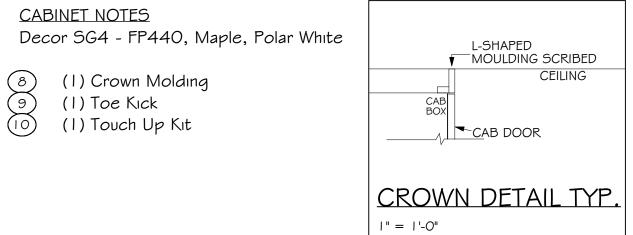
SCALE: 1/2" = 1'-0"





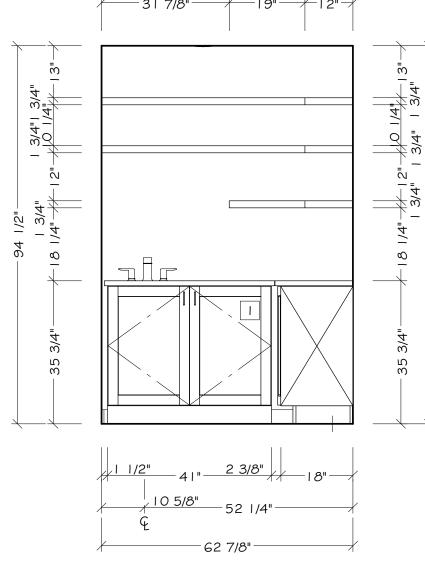
= SG3: OTHER-MUDROOM

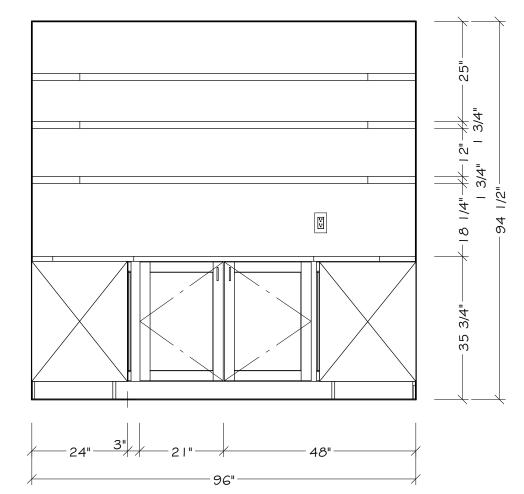
8	(1) Crown Molding
9	(1) Toe Kıck
(10)	(I) Touch Up Kit

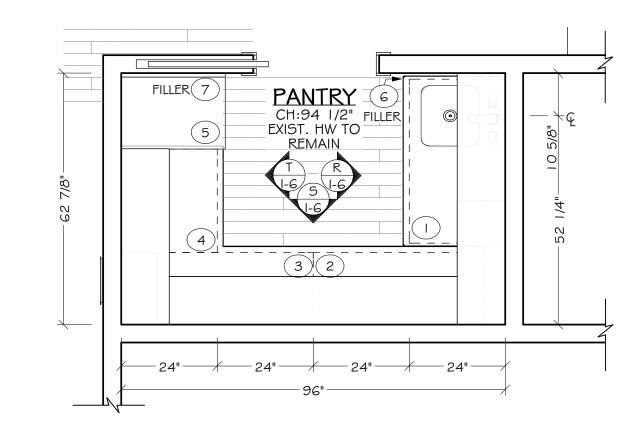


WA	LL LEGEND
	EXISTING WALLS TO REMAIN
	OPENINGS TO BE ENCLOSED
	NEW HALF WALLS
	NEW FULL-HEIGHT WALLS

	GENERAL NOTES
E	EXISTING
N	NEW
RL	RELOCATE
RP	REPLACE



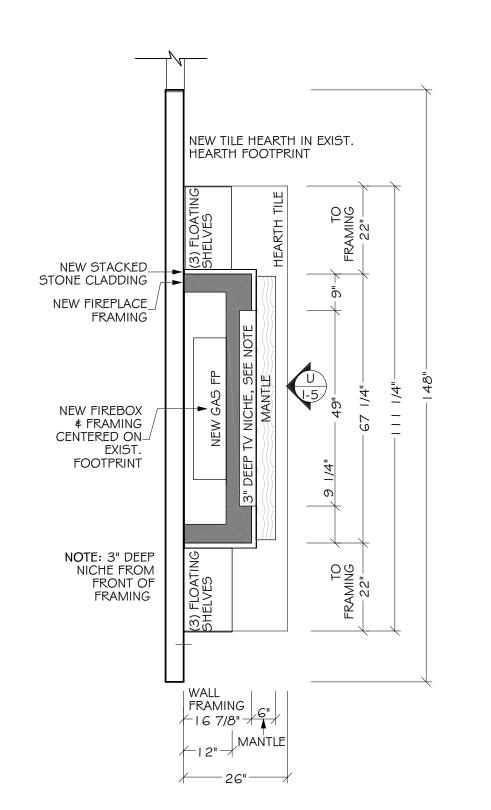


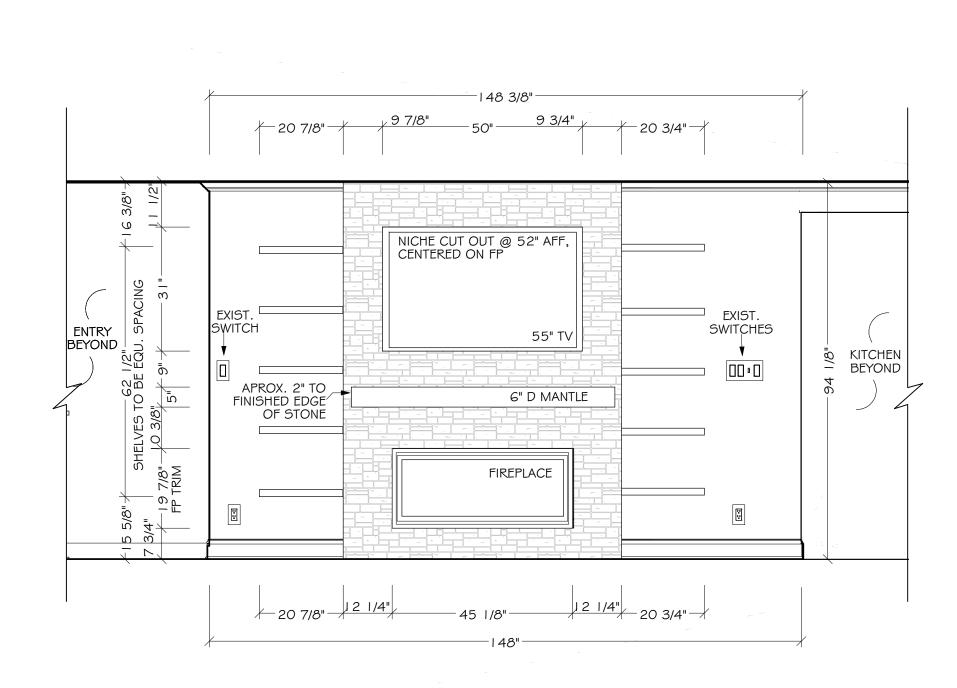


















Kelly
ild Remodeling

Neil K
Design/Build I
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PANTRY \$ FIREPLACE NKBA PLAN \$ INTERIOR ELEVATIONS SCALE: 1/2" = 1'-0"