

LOT SLOPE CALCULATIONS

Highest Elevation Point of Lot:	192	Feet
Lowest Elevation Point of Lot:	111	Feet
Elevation Difference:	81	Feet
Horizontal Distance Between High and Low Points:	204	Feet
Lot Slope*	39.7	%

*Lot slope is the elevation difference divided by horizontal distance multiplied by 100.

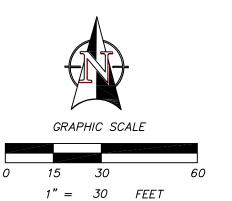
LOT COVERAGE CALCULATIONS		
A. Gross lot Area	18,637.8	Square Feet
B. Net Lot Area	18,637.8	Square Feet
C. Allowed Lot Coverage Area	5,591.5	Square Feet
D. Allowed Lot Coverage	30	% of Lot
E. <u>Existing</u> Lot Coverage:		
1. Main Structure Roof Area	-	Square Feet
2. Accessory Building Roof Area	-	Square Feet
3. Vehicular Use (driveway, access easements, parking)	-	Square Feet
4. Covered Patios and Covered Decks	-	Square Feet
5. Total Existing Lot Coverage Area (E1+E2+E3+E4)	-	Square Feet
F. (Total Lot Coverage Area Remove)		Square Feet
G. Proposed Adjustment for Single Story (area)	-	Square Feet
H. Proposed Adjustment for Flag Lot	0	
I. Total <u>New</u> Lot Coverage Area		
Main Structure Roof Area	2,823.8	
2. Accessory Building Roof Area	-	Square Feet
3. Vehicular Use (driveway, access easements, parking)	1,191.7	Square Feet
4. Covered Patios and Covered Decks	715.7	Square Feet
5. Total New Lot Coverage Area (E1+E2+E3+E4)	4,731.2	Square Feet
J. Total Project Lot Coverage Area = (E5 - F) + I5	4,731.2	Square Feet
K. Proposed Lot Coverage Area - (J/B) x 100	25.4	% of Lot

	ABE CALCUL	ATION				GFA E	XCLUSION CALCUL	ATION	
		II	•	Should this be counted in		Wall		•	
w lle	Mid-pnt	Wall	=11	basement wall	Basement	Height	Coverage Height	1 0/ 0	B 1:
Wall Segment	Elev	Length	Elev x Length	length?	Length	(ft) 🔽	(ft) 🔽	% Coverage	Result
A-South side	170	59	10,030.00	Yes	59.00	9	0	0.00%	0.00%
B-East side	178	42	7,476.00	Yes	42.00	9	9	100.00%	42.00%
C -North side	186	30	5,580.00	Yes	30.00	9	9	100.00%	30.00%
D	185	2	370.00	Yes	2.00	9	9	100.00%	2.00%
Е	183	29	5,307.00	Yes	29.00	9	9	100.00%	29.00%
F-West side	172	40	6,880.00	Yes	40.00	9	3.33	37.04%	14.81%
	Totals:	202	35,643.00	ABE = 176.45	202.00			Result:	117.8%
							Basem	nent Exclusion:	58.32%

NOTE:
THE EXISTING UTILITIES AS SHOWN
ARE ONLY APPROXIMATE AND ARE
BASED ON THE BEST AVAILABLE
INFORMATION. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY TO
VERIFY THE SIZE, TYPE, LOCATION,
AND DEPTH OF ALL EXISTING UTILITIES
PRIOR TO STARTING CONSTRUCTION,
AND INFORM THE DESIGN ENGINEER
OF ANY DISCREPANCIES.

Call Before You D

1-800-424-5555



LOT WIDTH: 79.89'
15' AGGREGATE SIDE YARD REQUIRED, AS LOT IS UNDER 90' WIDE
HEIGHT OF DWELLING UNIT WALLS AT SIDES ARE 29.89 OR LESS, W/O GABLES.
SIDE YARDS ARE MIN. OF 10' OR 33% OF AGGREGATE. 10' IS GREATER THAN 33%x15'.

MCLEOD
HOME DESIGNS

www.mcleodhomedesigns.com

st Lot 9213

Altman's West L APN 302405921

Altman's West Lot 9167 SE 64th ST

DWG Altman Site Plan3.dwg
Date 8/14/22
By: CH
Scale SCALE

SP-1

REV: 1

8/14/22

2. THIS SURVEY WAS MADE BY FIELD TRAVERSE USING A LEICA 1203 3" ROBOTIC TOTAL STATION AND GS14RTK GPS WITH RESULTING CLOSURES EXCEEDING THE MINIMUM ACCURACY STANDARDS AS SET FORTH BY WAC 332-130.

3. THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY

4. THE LEGAL DESCRIPTION AND SPECIAL EXCEPTIONS FOR APN 3024059151, APN 3024059043 AND APN 3024059001 AS SHOWN HEREON ARE PER TITLE REPORT PROVIDED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY COMMITMENT NUMBER 611203264 DATED FEBRUARY 1 2019 AT 8:00AM. THE LEGAL DESCRIPTION AND SPECIAL EXCEPTIONS FOR APN 3024059213 AS SHOWN HEREON IS PER TITLE REPORT PROVIDED BY FIDELITY NATION TITLE INSURANCE COMPANY, COMMITMENT NUMBER 611199453, DATED NOVEMBER 20, 2018 AT 8:00 AM

5. FIELD WORK FOR THIS PROJECT WAS PERFORMED IN MARCH, 2019 AND IS THEREFORE A REFLECTION OF THE CONDITIONS AT THAT TIME. ALL MONUMENTS WERE VISITED OR SET IN MARCH & APRIL, 2019. THIS SITE CONTAINS IMPROVEMENTS NOT LOCATED OR SHOWN AS A PART OF THIS SURVEY.

HORIZONTAL DATUM

NAD 1983(2011); PER RTK GPS TIES AND THE WASHINGTON STATE REFERENCE NETWORK (WSRN). UNITS OF MEASUREMENT ARE U.S. SURVEY FEET.

VERTICAL DATUM

NAVD 1988 PER RTK GPS TIES AND THE WASHINGTON STATE REFERENCE NETWORK (WSRN). UNITS OF MEASUREMENT ARE U.S. SURVEY FEET.

REFERENCE SURVEYS

R1) MERCER ISLAND SHORT PLAT NO. MI-82-09-18, RECORDING NO. 198410179003

R2) RECORD OF SURVEY, RECORDING NO. 20150917900016 R3) RECORD OF SURVEY, RECORDING NO. 199804279007

R4) RECORD OF SURVEY, RECORDING NO. 20070720900011

R5) RECORD OF SURVEY, RECORDING NO. 199901069001

R6) LOT LINE REVISION, RECORDING NO. 199811189006 R7) RECORD OF SURVEY, RECORDING NO. 20111213900001

R8) RECORD OF SURVEY, RECORDING NO. 20030708900008 R9) RECORD OF SURVEY, RECORDING NO. 20170526900002

RECORDS OF KING COUNTY RECORDER'S OFFICE

LEGAL DESCRIPTIONS

PARCEL "A" (APN 3024059001):

THAT PORTION OF THE NORTH 150 FEET OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M. IN KING COUNTY WASHINGTON, LYING WESTERLY OF EAST MERCER WAY AND LYING EASTERLY OF A LINE DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTH LINE OF

SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, WHICH BEARS SOUTH 88 DEGREES 33'02" EAST 550.23 FEET, FROM THE NORTH QUARTER OF SAID SECTION 30; THENCE SOUTH 1 DEGREE 28'29" WEST 150 FEET TO THE SOUTH LINE OF THE NORTH 150 FEET OF SAID NORTHWEST QUARTER OF THE NORTHEAST QUARTER AND THE TERMINUS OF SAID LINE, KNOWN AS THE ORIGINAL PARCEL WHICH PORTION LIES WESTERLY OF A LINE DRAWN FROM A POINT ON THE NORTH LINE OF THE ORIGINAL PARCEL WHICH POINT LIES 342.98 FEET WEST OF THE WEST LINE OF EAST MERCER WAY AND A POINT ON THE SOUTH LINE OF THE ORIGINAL PARCEL WHICH LINE LIES 221 FEET WEST OF THE WEST LINE OF EAST MERCER WAY.

TOGETHER WITH A NONEXCLUSIVE EASEMENT FOR ROAD AND UTILITIES OVER AND ACROSS THE SOUTH 25 FEET OF THE FOLLOWING DESCRIBED TRACT: THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 24, NORTH, RANGE 5, EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE NORTH LINE OF SAID SUBDIVISION WITH THE WESTERLY MARGIN OF EAST MERCER WAY; THENCE NORTH 88 DEGREES 33'02" WEST 117.98 FEET TO TRUE POINT BEGINNING OF THIS DESCRIPTION; THENCE SOUTH 88 DEGREES 33'02" EAST 117.98 FEET; THENCE SOUTHERLY ALONG SAID WESTERLY MARGIN OF EAST MERCER WAY TO THE SOUTH LINE OF THE NORTH 150 OF SAID SUBDIVISION; THENCE NORTH 88 DEGREES 33'02" WEST ALONG SAID SOUTH LINE 118 FEET; THENCE NORTHERLY TO THE TRUE POINT OF BEGINNING;

TOGETHER WITH A NONEXCLUSIVE EASEMENT FOR ROAD AND UTILITIES OVER AND ACROSS THE SOUTH 30 FEET OF THE FOLLOWING DESCRIBED TRACT:

THAT PORTION OF THE NORTH 150 FEET OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, T.24N, R5EWM, IN KING COUNTY WASHINGTON, LYING WESTERLY OF EAST MERCER WAY AND LYING EASTERLY OF A LINE DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTH LINE OF SECTION 30, T24N, R5E WM, IN KING

COUNTY, WASHINGTON, WHICH BEARS SOUTH 88 DEGREES 33'02" EAST 550.23 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 30; THENCE SOUTH 1 DEGREE 28'29" WEST 150 FEET TO THE SOUTH LINE OF THE NORTH 150 FEET OF SAID NORTHWEST QUARTER OF THE NORTHEAST QUARTER AND THE TERMINUS OF SAID LINE, KNOWN AS THE ORIGINAL PARCEL. WHICH PORTION LIES WESTERLY OF A LINE DRAWN FROM A POINT ON THE NORTH LINE OF THE ABOVE-DESCRIBED PROPERTY WHICH LIES 117.98 FEET WEST OF THE WEST LINE OF EAST MERCER WAY TO A POINT ON THE SOUTH LINE OF THE ORIGINAL PARCEL WHICH POINT LIES 118 FEET WEST OF THE WEST LINE OF EAST MERCER WAY. SAID LOT 2 TO BE BOUNDED ON THE WEST BY A LINE DRAWN FROM A POINT ON THE NORTH LINE OF THE ORIGINAL PARCEL, WHICH POINT LIES 342.98 FEET WEST OF THE WEST LINE OF EAST MERCER WAY AND A POINT ON THE SOUTH LINE OF THE ORIGINAL PARCEL WHICH LIES 221 FEET WEST OF THE WEST LINE OF EAST MERCER WAY.

SUBJECT TO: RESERVATIONS, RESTRICTIONS, COVENANTS AND EASEMENTS OF RECORD.

PARCEL 'B" (APN 3024059151):

THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, DESCRIBED AS

COMMENCING AT A POINT ON THE NORTH LINE OF SAID SECTION 30 WHICH BEARS SOUTH 88 DEGREES 33'02" EAST 550.23 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 30; THENCE SOUTH 1 DEGREE 28'29" WEST 150 FEET TO THE SOUTH LINE OF THE NORTH 150 FEET OF SAID SECTION 30; THENCE SOUTH 88 DEGREES 33'02" EAST ALONG SAID SOUTH LINE OF THE NORTH 150 FEET FOR A DISTANCE OF 374.02 FEET TO THE TRUE POINT OF THE BEGINNING: THENCE CONTINUING SOUTH 88 DEGREES 33'02" FAST 103.06 FFFT TO THE WESTERLY MARGIN OF EAST MERCER WAY; THENCE SOUTHERLY ALONG SAID WESTERLY MARGIN TO AN INTERSECTION WITH THE SOUTH LINE OF THE NORTH 300 FEET OF SAID SECTION 30; THENCE NORTH 88 DEGREES 33'02" WEST ALONG SAID SOUTH LINE OF THE NORTH 300 FEET TO AN INTERSECTION WITH THE NORTHERLY MARGIN OF EAST MERCER WAY; THENCE WESTERLY ALONG SAID NORTHERLY MARGIN OF EAST MERCER WAY TO A POINT FROM WHICH THE TRUE POINT OF BEGINNING BEARS NORTH 17 DEGREES 17'39" EAST. THENCE NORTH 17 DEGREES 17'39" EAST 153.12 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT THE NORTHERLY 15 FEET THEREOF AS MEASURED AT RIGHT ANGLES TO THE NORTHERLY LINE THEREOF.

PARCEL "C" (APN 3024059043):

THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT ON THE NORTH LINE OF SAID SECTION 30 WHICH BEARS SOUTH 88 DEGREES 33 MINUTES 02 SECONDS EAST 550, 23 FEET FROM THE NORTH QUARTER CORNER

THENCE SOUTH 01 DEGREES 28 MINUTES 29 SECONDS WEST 150 FEET TO THE SOUTH LINE OF THE NORTH 150 FEET OF SAID SECTION 30 TO THE TRUE POINT OF BEGINNING: THENCE SOUTH 88 DEGREES 33 MINUTES 02 SECONDS EAST ALONG SAID SOUTH LINE OF THE NORTH 150 FEET FOR A DISTANCE OF 477.08 FEET TO THE WESTERLY MARGIN OF EAST MERCER WAY; THENCE SOUTHERLY ALONG SAID WESTERLY MARGIN TO AN INTERSECTION WITH THE SOUTH LINE OF THE NORTH 300 FEET OF SAID SECTION 30; THENCE NORTH 88 DEGREES 33 MINUTES 02 SECONDS WEST ALONG SAID SOUTH MARGIN OF EAST MERCER WAY: THENCE WESTERLY ALONG SAID NORTHERLY MARGIN OF EAST MERCER WAY TO A POINT FROM WHICH THE TRUE POINT OF BEGINNING BEARS NORTH 27 DEGREES 39 MINUTES 33 SECONDS EAST 31 FEET DISTANT; THENCE NORTH 17 DEGREES 38 MINUTES 33 SECONDS EAST 31 FEET TO THE TRUE

EXCEPT THAT PORTION DESCRIBED AS FOLLOWS:

THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTH LINE OF SAID SECTION 30 WHICH BEARS SOUTH 88 DEGREES 33 MINUTES 02 SECONDS EAST 550.23 FEET FROM THE NORTH QUARTER CORNER OF SAID SECTION 30; THENCE SOUTH 01 DEGREE 28 MINUTES 29 SECONDS WEST 150 FEET TO THE SOUTH LINE OF THE NORTH 150 FEET OF SAID SECTION 30; THENCE SOUTH 88 DEGREES 33 MINUTES 02 SECONDS EAST ALONG SAID SOUTH LINE OF THE NORTH 150 FEET FOR A DISTANCE OF 374.02 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTH 86 DEGREES 33 MINUTES 02 SECONDS EAST 103.06 FEET TO THE WESTERLY MARGIN OF EAST MERCER WAY; THENCE SOUTHERLY ALONG SAID WESTERLY MARGIN TO AN INTERSECTION WITH THE SOUTH LINE OF THE NORTH 300 FEET OF SAID SECTION 30; THENCE NORTH 88 DEGREES 33 MINUTES 02 SECONDS WEST ALONG SAID SOUTH LINE OF THE NORTH 300 FEET TO AN INTERSECTION WITH THE NORTHERLY MARGIN OF EAST MERCER WAY; THENCE WESTERLY ALONG SAID NORTHERLY MARGIN OF EAST MERCER WAY TO A POINT FROM WHICH THE TRUE POINT OF BEGINNING BEARS NORTH 17 DEGREES 17 MINUTES 39 SECONDS EAST; THENCE NORTH 17 DEGREES 17 MINUTES 39 SECONDS EAST 153.12 FEET TO THE TRUE POINT OF BEGINNING;

EXCEPT THE NORTHERLY 15 FEET THEREOF AS MEASURED AT RIGHT ANGLES TO THE NORTHERLY LINE THEREOF.

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

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

LOT 7 OF MERCER ISLAND SHORT PLAT NO. 82-09-18, RECORDING NO. 8410179003SD, RECORDS OF KING COUNTY, WASHINGTON.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS RECORDED UNDER RECORDING NO. 8311070717 AND DELINEATED ON SAID SHORT PLAT.

SURVEYOR'S NOTES

(PER TITLE REPORT PROVIDED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY COMMITMENT NUMBER 611203264 DATED FEBRUARY 1, 2019 AT 8:00AM)

1. RIGHT TO USE WATER FROM A STREAM ON THE GRANTED PREMISES FOR DOMESTIC PURPOSES, AND THE RIGHT TO LAY DOWN, CONSTRUCT AND MAINTAIN WATER PIPELINES FROM SAID STREAM, AS RECORDED UNDER RECORDING NUMBER 2751063.

SURVEYOR'S NOTE: THIS EXCEPTION AFFECTS THE PROPERTY BUT IS NOT ABLE TO BE

EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO: PUGET SOUND POWER AND LIGHT COMPANY PURPOSE: ELECTRIC TRANSMISSION AND/OR DISTRUBUTION LINE, TOGETHER WITH NECESSARY APPURTENANCES

RECORDING NO.: THE LEGAL IS NOT SUFFICIENT TO DETERMINE IT'S EXACT LOCATION. AS

EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

MERCER ISLAND SEWER DISTRICT, KING COUNTY, WASHINGTON, A

SEWER PIPE LINE AND LINES RECORDING DATE: SEPTEMBER 17, 1964 RECORDING NO .:

MUNICIPAL CORP

PORTION OF HEREIN PROPERTY.

RECORDING DATE: JUNE 15, 1960

EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

> GORDON W. MCCUTCHEON AND MAJORIE T. MCCUTCHEON, HIS WIFE, MICHAEL J. SWOFFORD AND LINDA ANNE SWOFFARD, HIS WIFE, THOMAS G DAVIDSON AND SARMA P DAVIDSON, HIS WIFE, WILLIAM H. RUBIDGE, A SINGLE MAN AND DANIEL J CUMMINS AND CLEO AN CUMMINS, HIS WIFE, TENANTS IN COMMON

NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND UTILITES

RECORDING DATE: AUGUST 23, 1974 RECORDING NO.: 7408230442 A PORTION OF PARCEL C

5. PERTAINS TO TERMS AND CONDITIONS OF NOTICE OF CHARGES BY WATER, SEWER AND/OR STORM AND SURFACE WATER UTILITIES. THIS EXCEPTION AFFECTS THE PROPERTY BUT IS NOT ABLE TO BE PLOTTED ON THE SURVEY.

EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

WASHINGTON NATURAL GAS COMPANY PURPOSE: GAS PIPELINE OF PIPELINES RECORDING DATE: JUNE 10, 1986

RECORDING NO.: 9606101228 NORTHERLY 15 FEET OF PARCEL C

7. ITEMS SET FOR ON A SURVEY RECORDING NUMBER 20111213900001. THIS EXCEPTION AFFECTS THE PROPERTY BUT IS NOT ABLE TO BE PLOTTED ON THE SURVEY.

THESE EXCEPTION ITEMS ARE NOT SURVEY MATTERS AND ARE NOT ABLE TO BE PLOTTED ON THE SURVEY.

(PER TITLE REPORT PROVIDED BY FIDELITY NATION TITLE INSURANCE COMPANY, COMMITMENT

NUMBER 611199453, DATED NOVEMBER 20, 2018 AT 8:00 AM) 1A. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

PURPOSE: WATER LINE

RECORDING DATE: AUGUST 3, 1915 RECORDING NO.: 1010741 AFFECTS: THE DESCRIPTION CONTAINED IN THE ABOVE INSTRUMENT IS NOT SUFFICIENT TO DETERMINE ITS EXACT LOCATION WITHIN THE PROPERTY HEREIN DESCRIBED. SURVEYOR'S NOTE: THE NORTHERLY PORTION OF LOT 7 IS SUBJECT TO AN EASEMENT OF UNDEFINED WIDTH FOR MAINTENANCE OF A WATER PIPE LINE AS LAID OUT AND ESTABLISHED ON JUNE 16, 1915.

2A. RELEASE OF DAMAGE AGREEMENT, INCLUDING THE TERMS AND PROVISIONS THEREOF; EXECUTED BY: MERCER ISLAND DEVELOPMENT, INC. AND KING COUNTY RECORDING DATE: AUGUST 5, 1959

RECORDING NO.: 5064645 RELEASING KING COUNTY FROM ALL FUTURE CLAIMS FROM THE NATURAL DRAINAGE FLOW FROM THE PLAT OF TIMBERLAND NUMBER 4.

3A. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: MERCER ISLAND SEWER DISTRICT PURPOSE: SEWER PIPELINE RECORDING DATE: SEPTEMBER 19, 1964

RECORDING NO.: 5787752 AFFECTS: SOUTHERLY PORTION OF SAID PREMISES

4A. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: PURPOSE: SEWER AND STORM DRAINAGE

RECORDING DATE: AUGUST 5, 1974 RECORDING NO.: 7408050451 AFFECTS: WESTERLY 10 FEET OF SAID PREMISES

5A. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: RECORDING DATE: NOVEMBER 7, 1983

RECORDING NO.: 8311070717 SAID EASEMENT CONTAINS A COVENANT TO BEAR EQUAL SHARE OF COST OF CONSTRUCTION, MAINTENANCE OR REPAIR OF SAID EASEMENT.

6A. COVENANTS, CONDITIONS, RESTRICTIONS, RECITALS, RESERVATIONS, EASEMENTS, EASEMENT PROVISIONS, DEDICATIONS, BUILDING SETBACK LINES, NOTES AND STATEMENTS, IF ANY, BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE, COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH ON MERCER ISLAND SHORT PLAT NO. MI 82-09-18: RECORDING NO: 8410179003

TERMINATION OF UTILITY AND STORM DRAIN EASEMENT FROM SAID SHORT PLAT RECORDED UNDER RECORDING NO. 20050627000601.

7A. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF MERCER ISLAND PURPOSE: PEDESTRIAN TRAIL

RECORDING DATE: APRIL 24, 2003 RECORDING NO.: 20030424001903

AFFECTS: PORTION OF SAID PREMISES AND OTHER PROPERTY SURVEYORS NOTE: SAID DOCUMENT CONTAINS INSUFFICIENT INFORMATION TO DETERMINE EASEMENT LOCATION. NOT SHOWN ON SURVEY.

BA. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: PURPOSE: 10 FOOT SANITARY AND STORM SEWER EASEMENT, INCLUDING THE RIGHT OF INGRESS AND EGRESS TO. UPON AND OVER THE ABOVE-DESCRIBED PROPERTY AND THE RIGHT TO CONSTRUCT, REPAIR, REPLACE, MAINTAIN AND CLEAN SAID SANITARY AND STORM SEWER. RECORDING DATE: SEPTEMBER 29, 2004 RECORDING NO.: 20040929002055

THESE EXCEPTION ITEMS ARE NOT SURVEY MATTERS AND ARE NOT ABLE TO BE PLOTTED ON THE SURVEY.

AFFECTS: PORTION OF SAID PREMISES AND OTHER PROPERTY

SUR

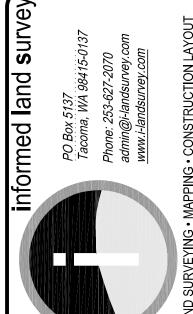
POGRAI

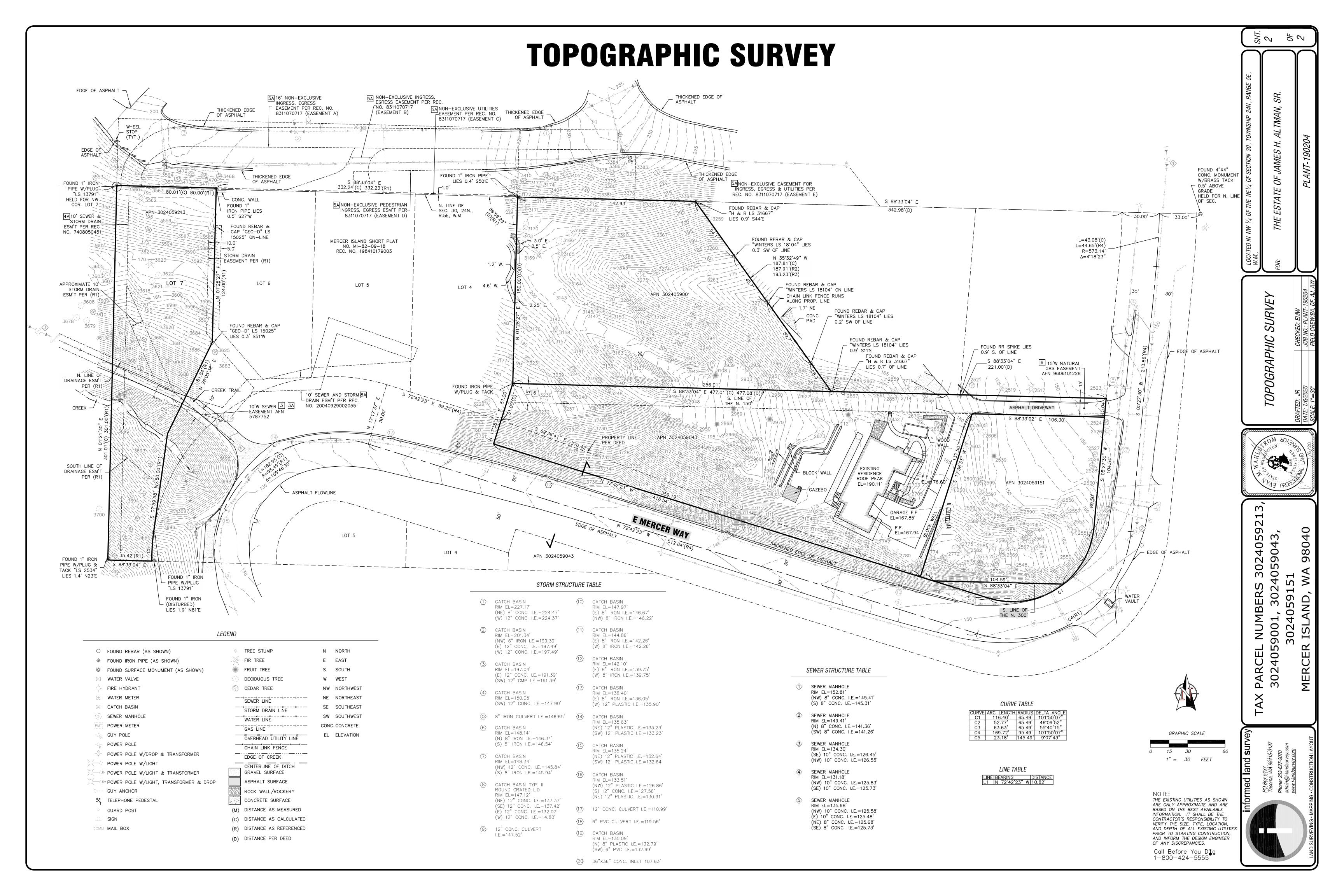


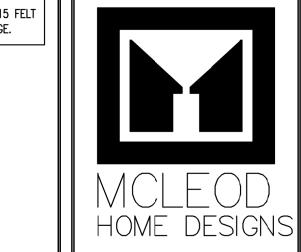


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www.mcleodhomedesigns.com 1900 Fowler Street, Suite F Richland, WA 99352

Building Information: Main Floor SQ FT: Second Floor SQ FT: Basement SQ FT: TOTAL SQ FT:

> Unfinished SQ FT: Garage SQ FT: Covered Area SQ FT:

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THIS PLAN IS FOR ONE TIME CONSTRUCTION USE.

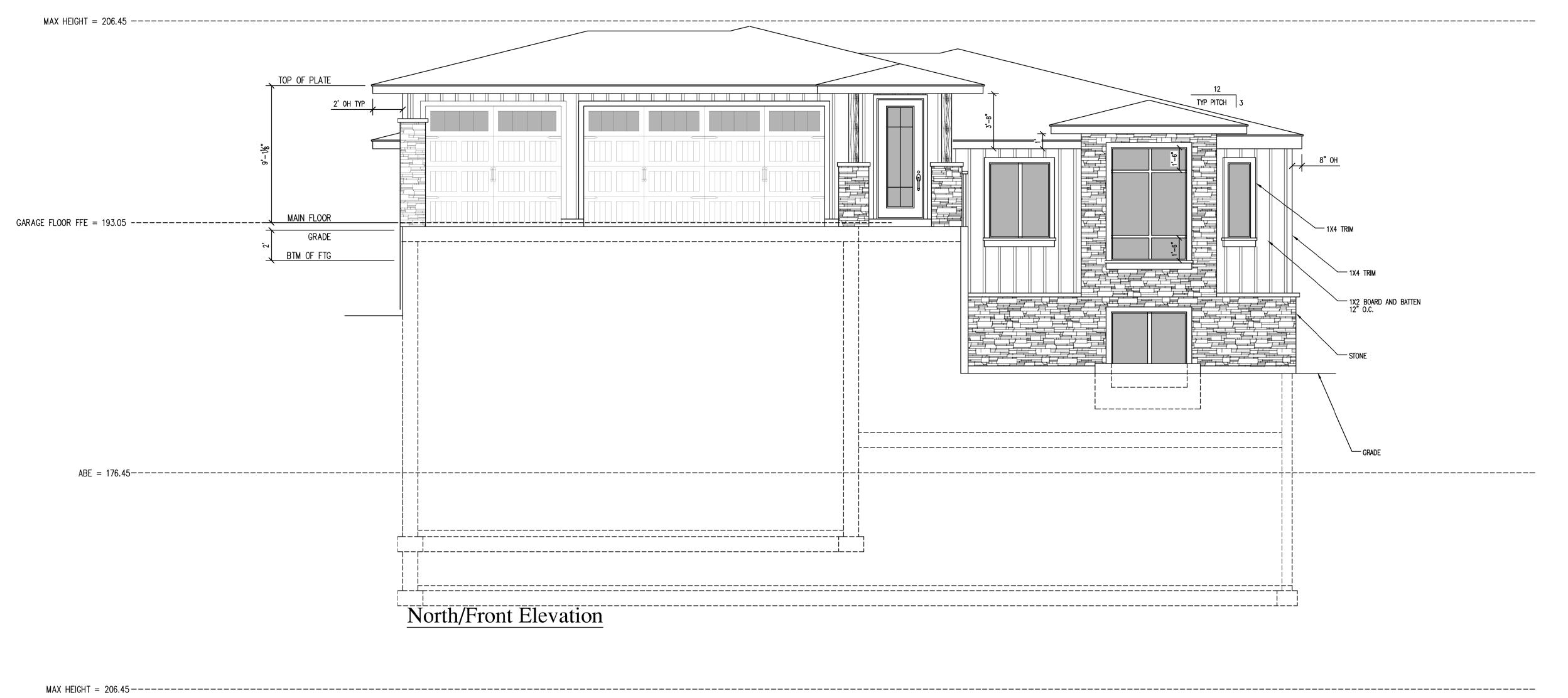
Ranch SF

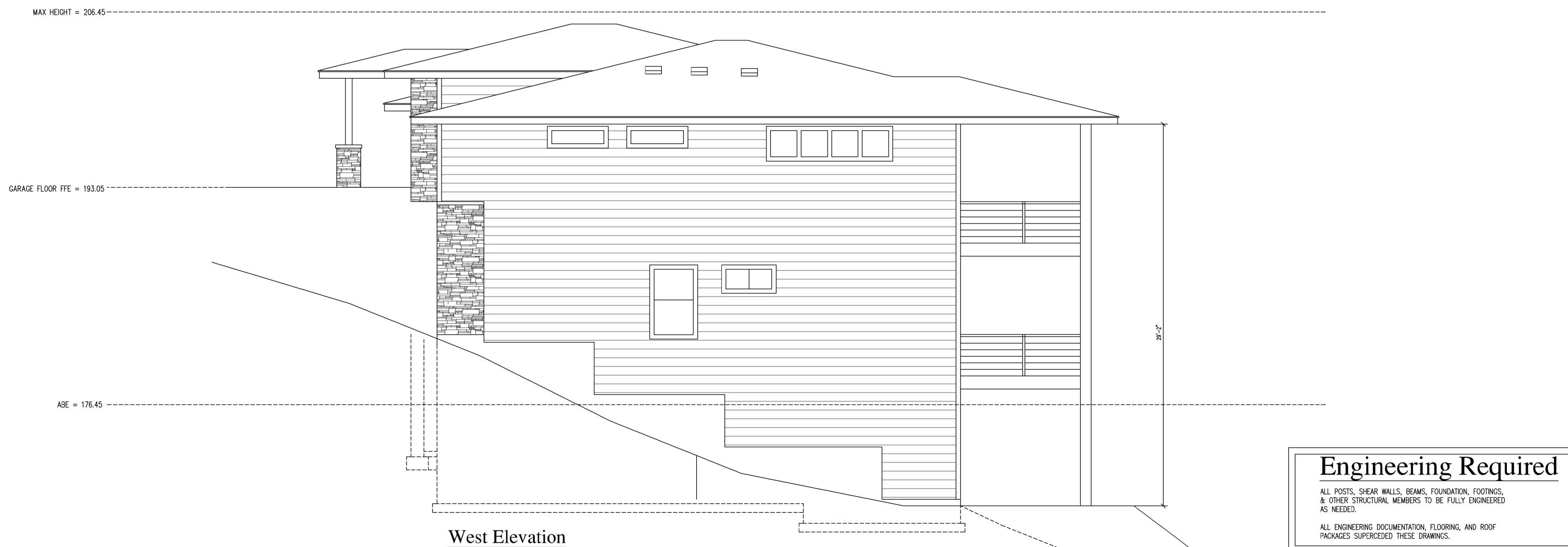
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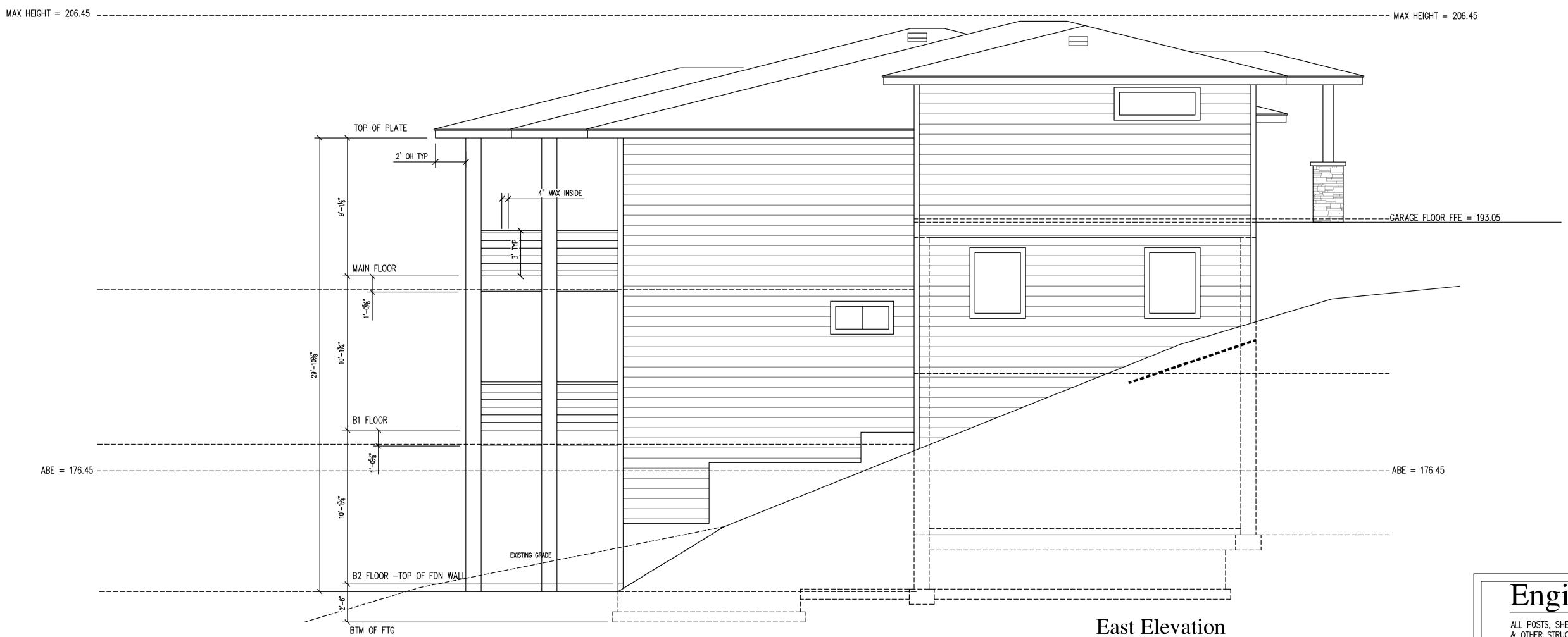
DWGr6616x0a lot 7 (west) Georges

Mark McLeod 1/4" = 1 Approved











& OTHER STRUCTURAL MEMBERS TO BE FULLY ENGINEERED as needed.

ALL ENGINEERING DOCUMENTATION, FLOORING, AND ROOF PACKAGES SUPERCEDED THESE DRAWINGS.



www.mcleodhomedesigns.com 1900 Fowler Street, Suite F Richland, WA 99352

Building Information: Main Floor SQ FT: Second Floor SQ FT: Basement SQ FT: TOTAL SQ FT:

Unfinished SQ FT:

Garage SQ FT: Covered Area SQ FT:

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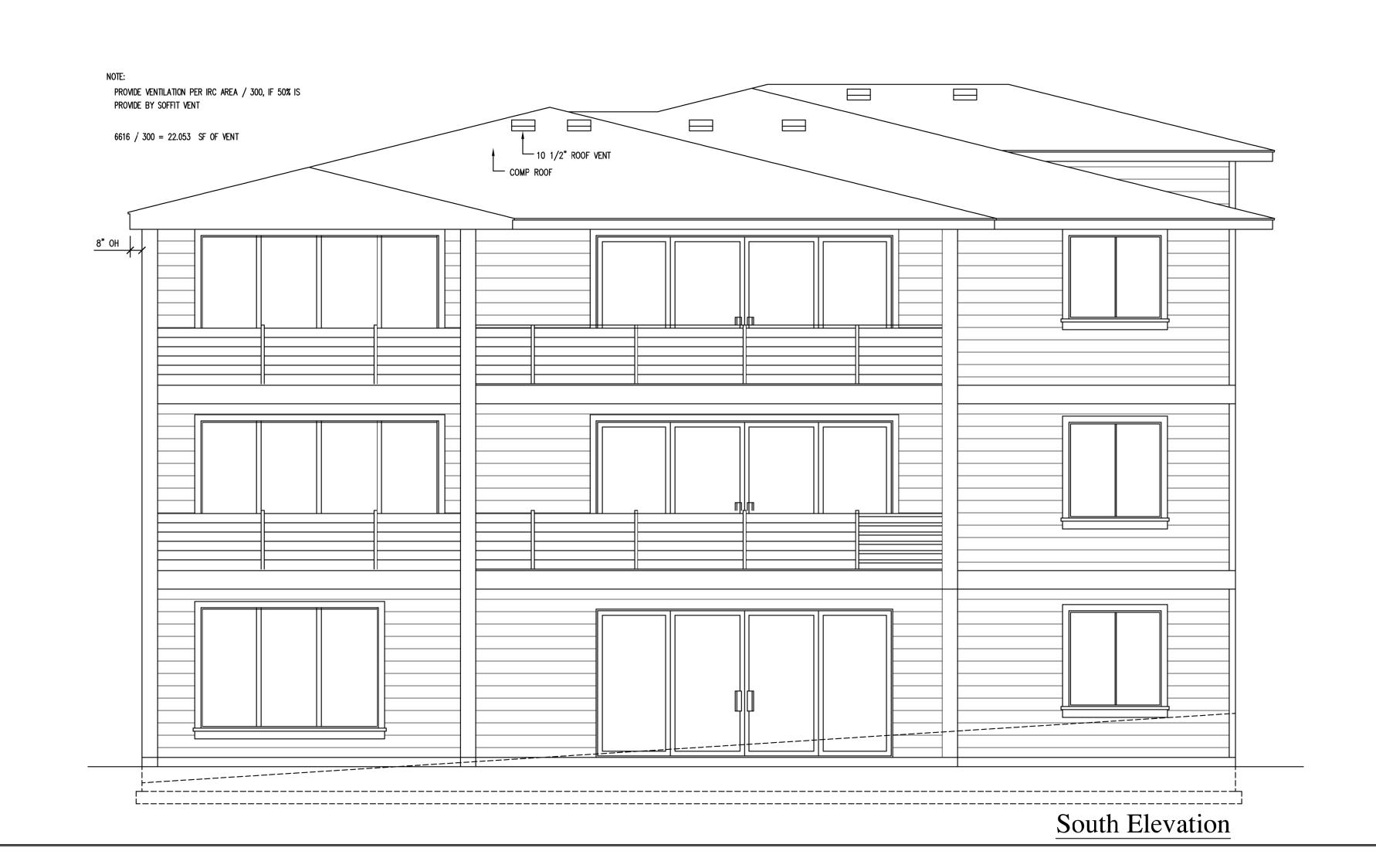
Rancher

6616

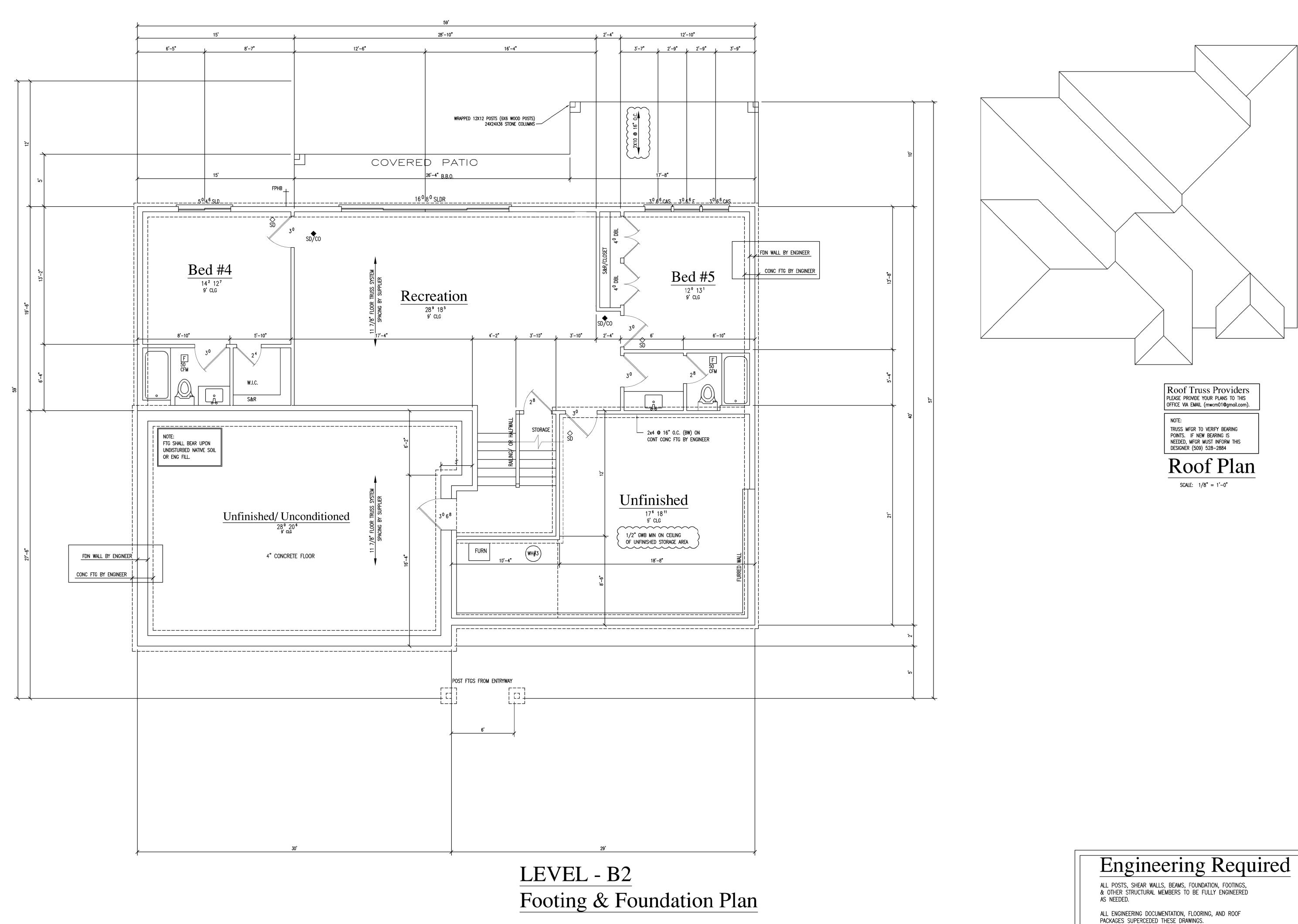
DWGr6616x0a lot 7 (west) Georges 8/11/22/8:53:PK

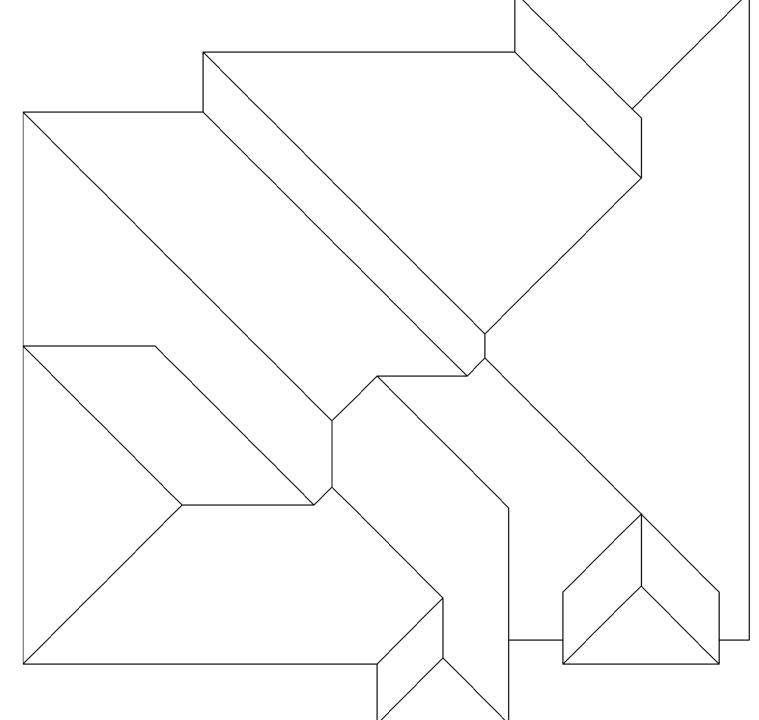
Mark McLeod Approved

REV: 0 8/11/22



BTM OF FTG





Roof Truss Providers PLEASE PROVIDE YOUR PLANS TO THIS OFFICE VIA EMAIL (mwcm01@gmail.com).

TRUSS MFGR TO VERIFY BEARING POINTS. IF NEW BEARING IS NEEDED, MFGR MUST INFORM THIS DESIGNER (509) 528-2884

SCALE: 1/8" = 1'-0"

www.mcleodhomedesigns.com 1900 Fowler Street, Suite F

Richland, WA 99352

Building Information:
Main Floor SQ FT:
Second Floor SQ FT:
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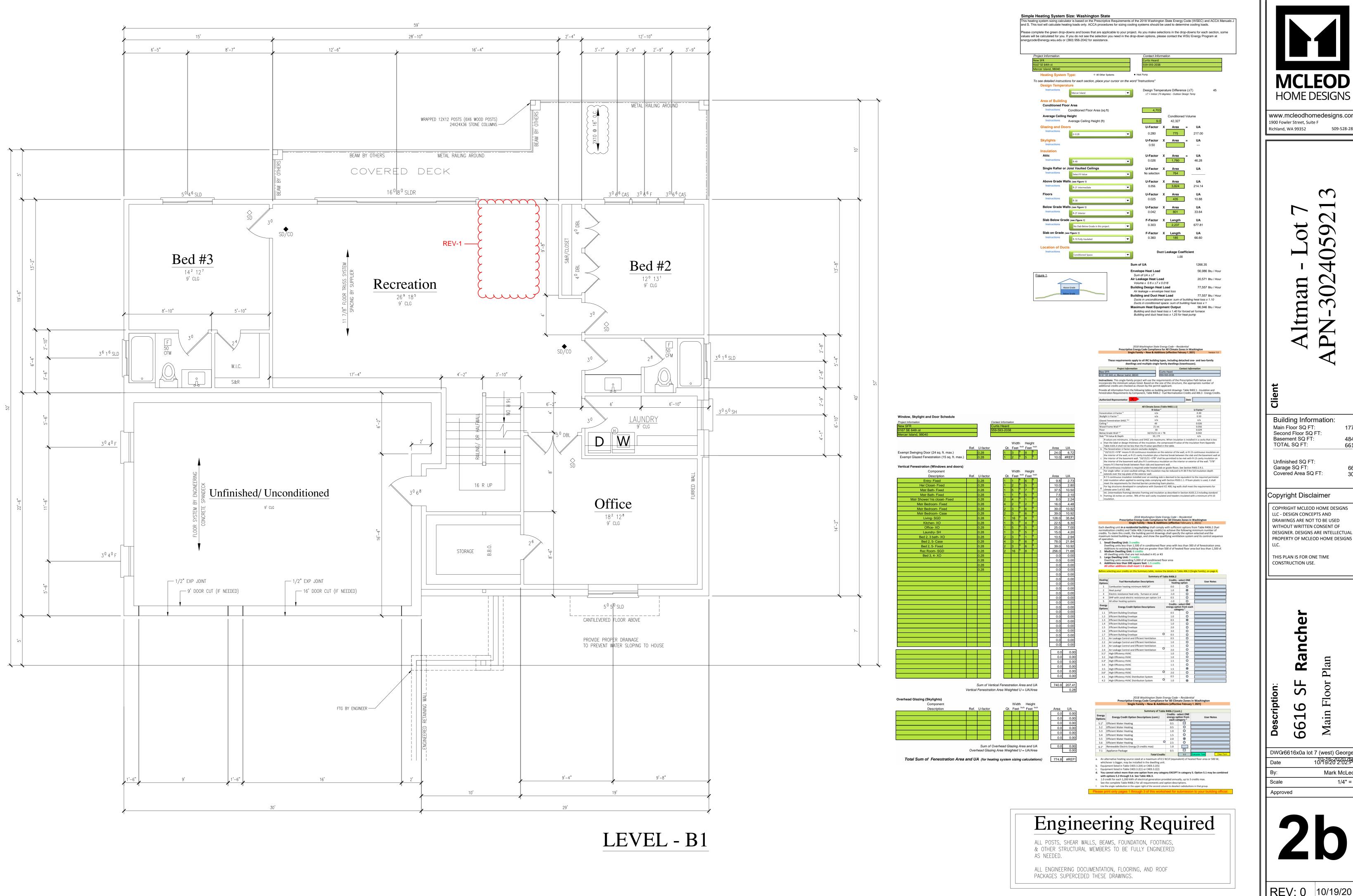
> Rancher SF

6616 DWGr6616x0a lot 7 (west) Georges

8/11/22/8:53:PM Mark McLeod

Approved

REV: 0 8/11/22





www.mcleodhomedesigns.com 1900 Fowler Street, Suite F Richland, WA 99352 509-528-2884

Building Information: Main Floor SQ FT: Second Floor SQ FT: Basement SQ FT:

Unfinished SQ FT: Garage SQ FT:

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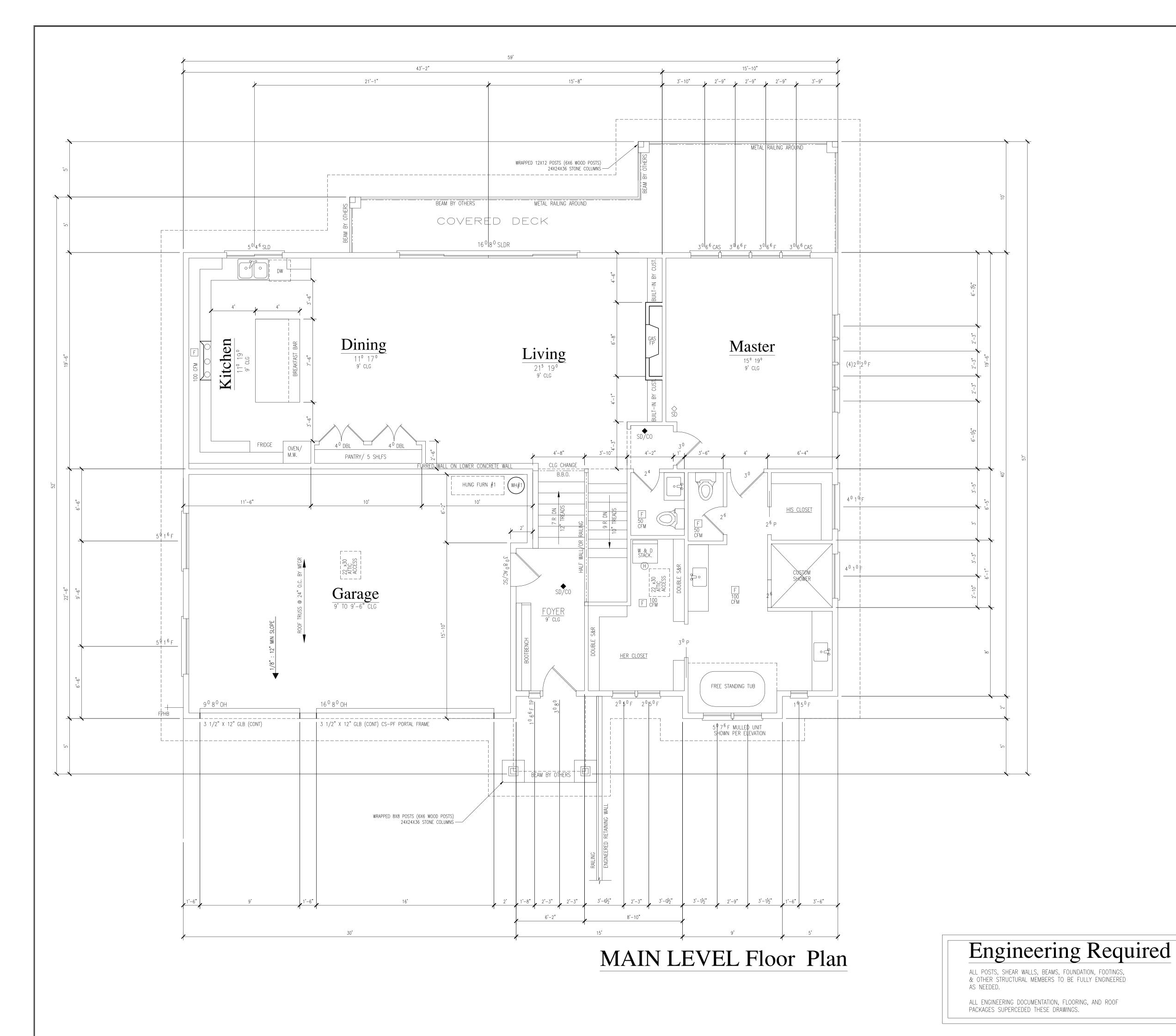
Q 8 16

Main 9 DWGr6616x0a lot 7 (west) Georges

10/19/20 2:02:17/ Date Mark McLeod

Scale 1/4" = 1 Approved

REV: 0 10/19/20



Legend

205	
H	HAMMER ARRESTOR
F	FAN VENTED TO EXTERIOR
SD	SMOKE DETECTOR (NOTE 15)
SD/CO	SMOKE / CARBON MONOXIDE DETECTOR (NOTE 15)
FPHB_	FROST PROOF HOSE BIB
TP	SAFETY OR TEMPERED GLASS

Roof Truss Providers please provide your plans to THIS OFFICE VIA EMAIL (mwcm01@gmail.com).

Floor Truss Providers please provide your plans to THIS OFFICE VIA EMAIL (mwcm01@gmail.com).

Braced Wall Schedule

CONTINOUS SHEATHING CONDITION (SEISMIC D , WIND 85) ABW PER DETAIL SH 4 (IF NEEDED)
CS-PF PER DETAIL SH 4 CS-WSP 8d COMMON - 6" EDGE 12" FIELD
GB 1 3/8 (13 GA) GB SCREW - 7" EDGE 7" FIELD

Building Information:

Main Floor SQ FT: Second Floor SQ FT: 1762 Basement SQ FT: 1161 TOTAL SQ FT: 4703

Unfinished SQ FT: Garage SQ FT: Covered Area SQ FT:

Builders Responsibility

THESE DRAWINGS ARE IN PART DIAGRAMMICAL AND DO NOT SHOW IN DETAIL HOW WORKMANSHIP, MATERIAL AND INSTALLATION OF MATERIAL ARE TO BE BROUGHT TOGETHER TO COMPLETE THE WHOLE STRUCTURE. IT IS THE RESPONSIBILITY OF THE BUILDER TO BUILD THE STRUCTURE TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, COUNTY, CITY CODES AS THEY APPLY TO EACH COMPONENT.

General Notes:

- 1. PROVIDE 30" RANGE AND HOOD W/ 100 CFM FAN VENTED TO EXTERIOR. 2. PROVIDE WATER RESISTANT GYPSUM BOARD IN TUB OR SHOWER RECESS.
- 3. PROVIDE 50 GALLON (MIN) WATER HEATER W/ ASME RATED TEMPERATURE AND PRESSURE
- RELIEF VALVE W/ 3/4" COPPER DRIP 4. BUILDER TO VERIFY ALL ASPECTS AND DIMENSIONS OF THESE DRAWINGS. ANY PROBLEMS WITH THESE DRAWINGS ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THIS DESIGNER, MARK McLEOD (509) 528-2884.
- 5. DO NOT SCALE THESE DRAWINGS.
- EXTERIOR WALLS OF HOUSE ARE TO BE 2 X 6, UNLESS OTHERWISE SPECIFIED. INTERIOR WALL OF HOUSE ARE TO BE 2 X 4, UNLESS OTHERWISE SPECIFIED.
- 8. EXTERIOR WALLS OF GARAGE ARE TO BE 2 X 6, UNLESS OTHERWISE SPECIFIED. 9. HOUSE INSULATION AS NOTED BELOW: EXTERIOR WALLS = R-21 BATT INSULATION EXTERIOR CEILING = R-49 BLOWN INSULATION
- EXTERIOR FLOORS = R-30 BATT INSULATION 10. ALL FINISH GRADE WORK SHALL BE NO CLOSER THAN 6" TO FINISH SIDING. 11. ALL HEADER MATERIAL FOR BEARING WALLS TO BE 3 ½" x 9" G.L. HEADER STOCK
- UNLESS OTHERWISE NOTED. 12. DIMENSIONING FORMAT AS FOLLOWS: OVER ALL DIMENSIONS SHALL BE FROM EXTERIOR TO EXTERIOR OF BREAKS OR JOGS IN BUILDING SHALL BE DIMENSIONED FROM EXTERIOR OF BUILDING.

INTERIOR WALL DIMENSIONS: VERTICALLY SHALL BE TAKEN FROM THE TOP SIDE OF THE WALL.

- HORIZONTAL WALLS SHALL BE TAKEN FROM THE LEFT SIDE OF WALL. OPENINGS SHALL BE DIMENSIONED FROM CENTER (EXCEPT GARAGE 13. ANGULAR WALLS ARE ON A 45 DEGREE ANGLE, UNLESS OTHERWISE NOTED.
- 14. PROVIDE GAS FIREPLACE PER IRC 302.13 (per plan)
 15. NOTE ALL SMOKE DETECTORS ARE ELECTRICALLY HARDWIRED. 16. ALL WINDOWS ARE TO BE .3 U FACTOR MAX.

HOME DESIGNS

Richland, WA 99352

www.mcleodhomedesigns.com

1900 Fowler Street, Suite F

Building Information: Main Floor SQ FT: Second Floor SQ FT: Basement SQ FT: TOTAL SQ FT:

Unfinished SQ FT: Garage SQ FT: Covered Area SQ FT:

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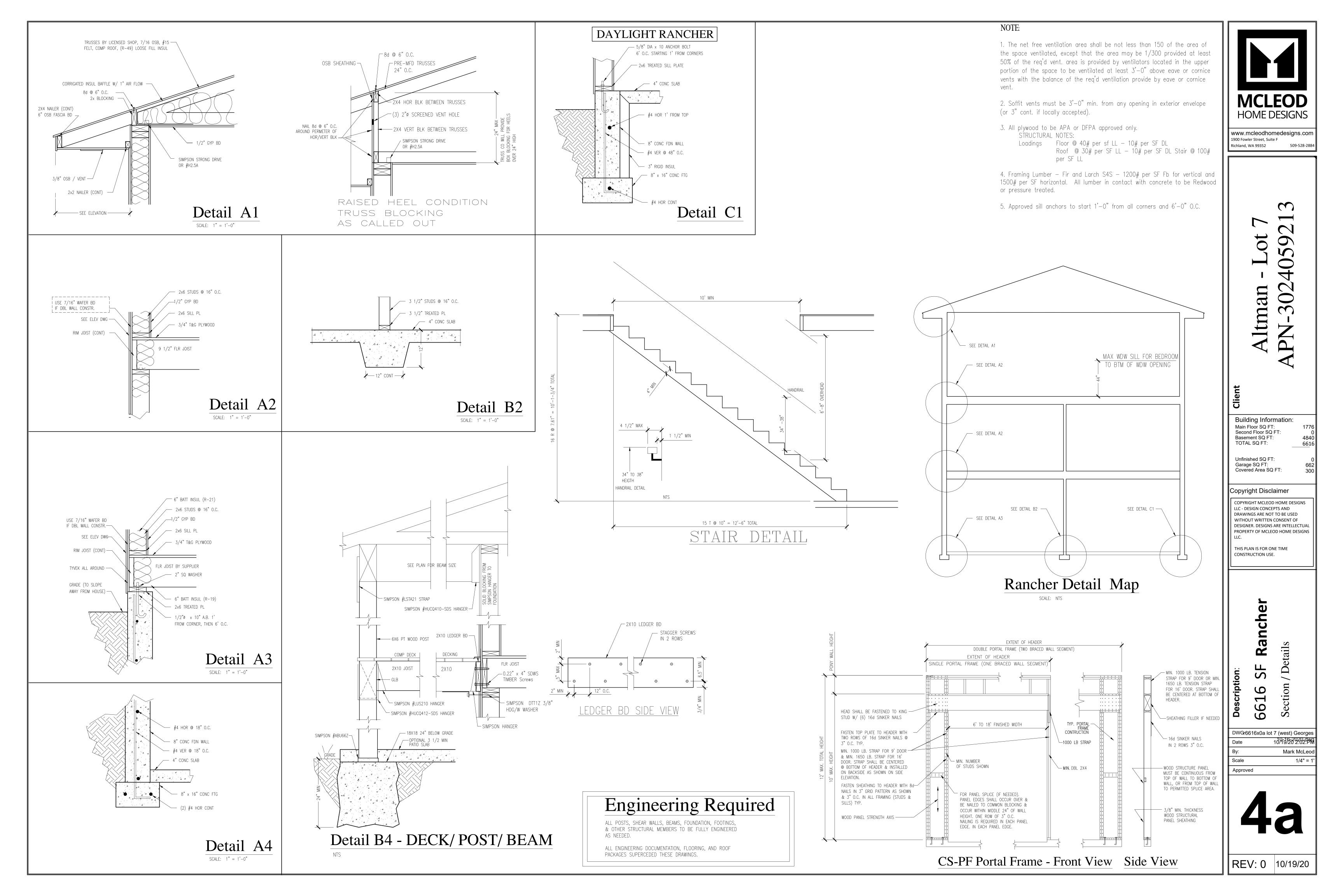
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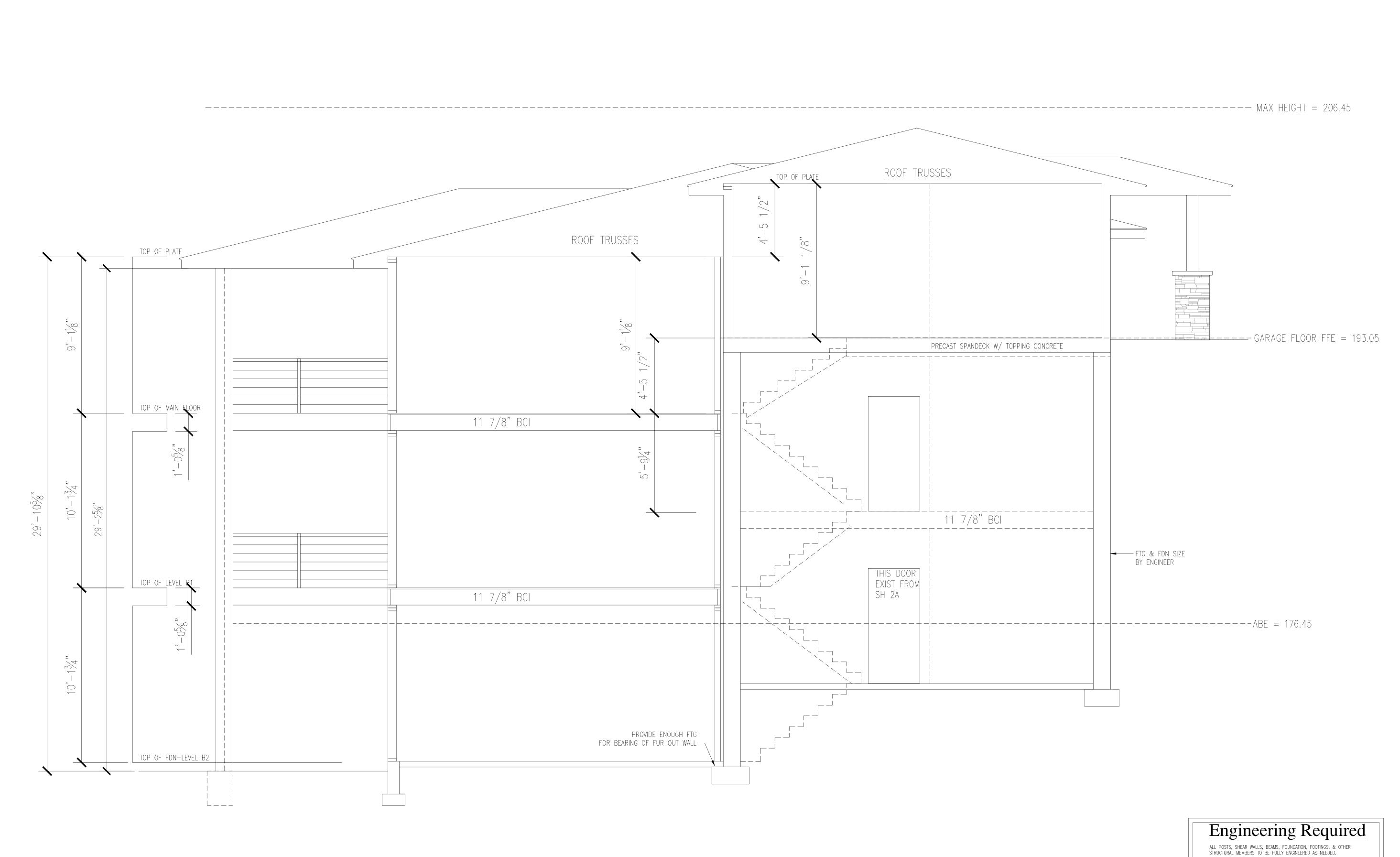
DWGr6616x0a lot 7 (west) Georges

10/19/20202949 Mark McLeod

Scale Approved

REV: 0 10/19/20





MCLEOD HOME DESIGNS

www.mcleodhomedesigns.com 1900 Fowler Street, Suite F Richland, WA 99352

ltman

Building Information:
Main Floor SQ FT:
Second Floor SQ FT:
Basement SQ FT:
TOTAL SQ FT:

Unfinished SQ FT: Garage SQ FT: Covered Area SQ FT:

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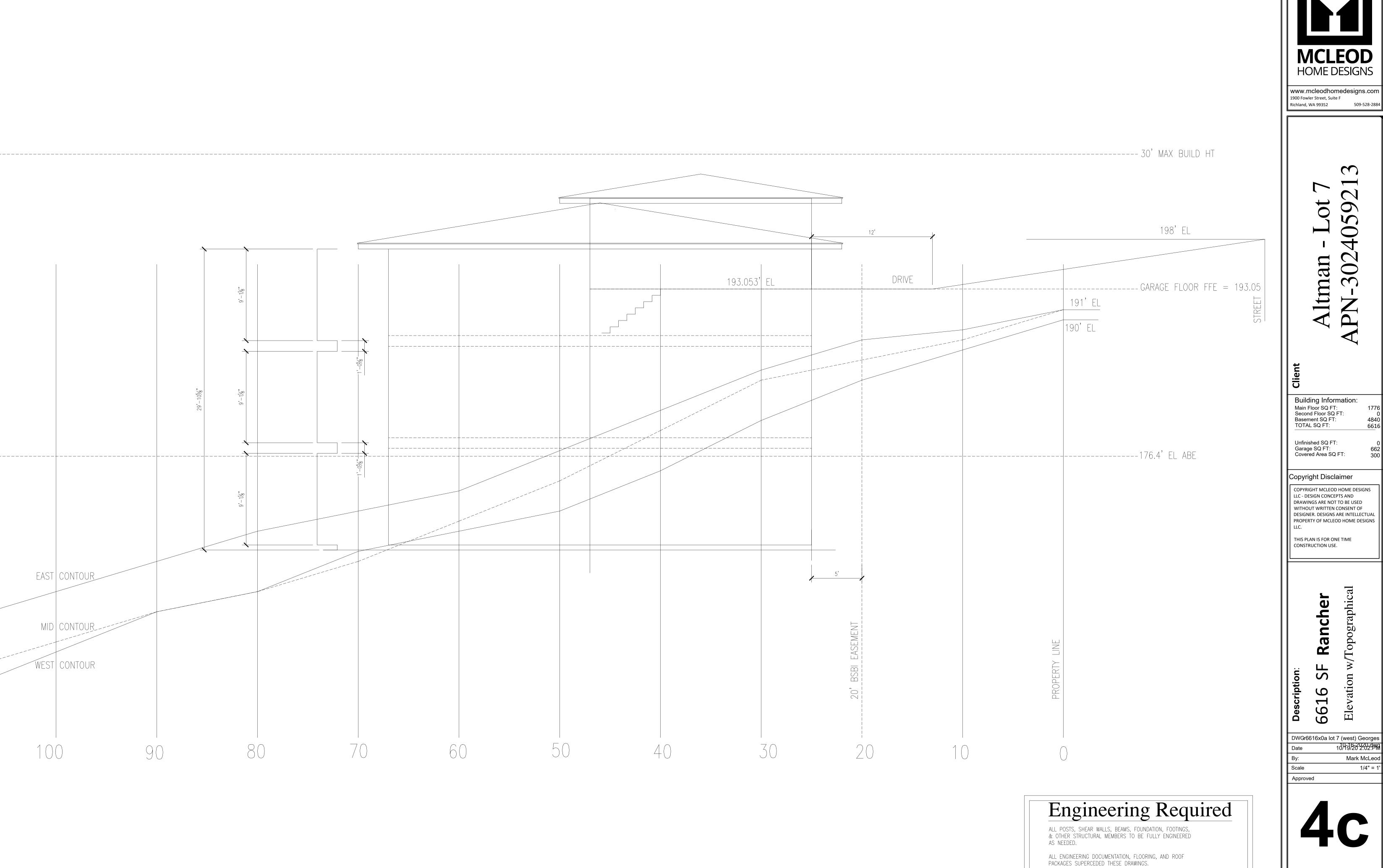
Rancher 6616

DWGr6616x0a lot 7 (west) Georges
Date 10/19/20 2:02:PM

Approved

REV: 0 | 10/19/20 |

ALL ENGINEERING DOCUMENTATION, FLOORING, AND ROOF PACKAGES SUPERCEDED THESE DRAWINGS.



Building Information:
Main Floor SQ FT:
Second Floor SQ FT:
Basement SQ FT:
TOTAL SQ FT:

Unfinished SQ FT: Garage SQ FT: Covered Area SQ FT:

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THIS PLAN IS FOR ONE TIME CONSTRUCTION USE.

Rancher SF

6616

DWGr6616x0a lot 7 (west) Georges 10/19/202020 Mark McLeod

REV: 0 10/19/20

				STRUCTURAL NOTES					TYPICAL SHEAR WALL NOTES
to the Engine the Contracto	ural notes supeer, who shall or's risk. The	Contractor	n discrepanc shall verify	Any discrepancy found among the drawings, these notes, and the site conditions shall be y in writing. Any work done by the Contractor after discovery of such discrepancy shall be and coordinate the dimensions among all drawings prior to proceeding with any woracing and shoring during construction.	e done at shall hav ork or shall be p	ve 7' plac bet	" of embed ed within 1	ment into 2" from co	s (AB's) with single plates or 1/2" dia. by 12" AB's with 3X or double plates spaced as shown on the drawin footing, shall be centered in the stud wall, and shall project through the bottom plate of the wall. All anchor orners, and 12" from the ends of both plates at splices. All anchor bolts shall have a 3" square, 1/4" thick sill plate and the nut. (If using expansion anchors as substitutes for anchor bolts, embed a minimum of 3-
		orm to the ap	pplicable por	tions of the latest edition of the International Building Code except where noted.	All wall s	shea			EDX plywood, 5/8" T1-11 siding, or 7/16" OSB with exterior exposure glue and span rated "SR 24/0" or bett
Design Criter	<u>ria:</u> 1. Live Loa 2. Dead Lo		= =	25 PSF (Snow) 40 PSF (Floor) 15 PSF (Roof and Floor)	All nails s	sha	ll be 8d or	10d comm	ocked with 2x4 or 2x6 flat blocking except where noted on the drawings or below. non (8d common nails must be 0.131 inch diameter, Senco KC27 Nails are equivalent. If 10d common na 0.148 inches, Senco MD23 Nails are equivalent when used with ½" plywood). Nail size and spacing at all
	Z. Dead Lo	du	= =	10 PSF (Partition) 12 PSF (Wall)	edges sh	hall	be as requi	ired below	v or as in the drawings. Nail spacings shall be 12" o.c. for all field nailing except as noted.
	3. Wind		=	150 PCF (Concrete) 2015 IBC Exposure B @ 110 mph (LRFD), 85 MPH (ASD), 3 second gust	Company	ηу "К	(ant-Sag" tl	nat have I	CC approval can be substituted in place of Simpson holdowns.
	4. Earthqua	ke	=	2015 IBC, Ss = 1.453 Site Class D SL = 0.503	Wall fram	ming	shall be #	-	ne floor shall be 16d common nails to match the spacing of the shear wall edge nailing. ir or better. 3X, 4X, or 6X studs can be made from multiple 2X studs nailed together with (2) rows of 10d's a
				IE = 1.0 Seismic Design Category D SDS = 0.969		ates	can be a		on of (1) pressure treated 2X sill directly in contact with concrete and another non-treated 2X sill plate nailed
				SDL = 0.503 Light Frame Wood Shearwalls R = 6.5 ρ = 1.3 Non-Redundant Structure	All faster galvanize		in pressur	e treated v	wood shall be hot dipped galvanized or stainless steel. Anchor bolts are not required to be of stainless ste
				Cs = SDS I/R V = ρ Cs W V = 0.194W for Load Factor Design					ROOF DIAPHRAGM
				$Cs = SDS I/ (1.4R)$ $V = \rho Cs W$			or 7/16" O ar to framin		rated 24/16 or better, nail with 8d common nails at 6" on center edges and 12" on center field. Sheathing
	5. Soil Reinforcing St	teel·	=	V = 0.136W for Allowable Stress Design Design values used based on soils report from PanGeo, INC, dated April 16 th , 2019	3/ 4 " tong	aue	and groove	e nlywood	FLOOR DIAPHRAGM I or OSB sheathing span rated 48/24 or better. Glue and nail with 10d common nails at 2 ½" on center e
<u> </u>	1.	All concrete	B-14. Mixing	be per the 2015 IBC Chapter 19 and ACI 318-14. Concrete quality, mixing and placement and placement shall be per ACI 318-14 and inspections shall be per 2015 IBC, Chapter 1	12" on ce shall be				shall lay perpendicular to framing. Block all unsupported panel edges with #2 DF 2x4 (Flat)
	2. 3.	Concrete s	ng shall be <i>A</i> hall be in acc	ASTM A615 Grade 60 except as shown on the plans. cordance with ASTM 150.					SHEAR WALL SCHEDULE
Steel:			PSI @ 28 day maximum, 6	y % Air entrained	<u> </u>	7	sheathing	ı nailed wi	ith 8d's at 6" on center all edges. (Capacity= 260 plf)
	1.			A36 except as noted.	<u>/2</u> .		_		ith 8d's at 4" on center all edges with 3X or 4X stude at adjoining panel edges. (Capacity= 380 plf)
	2. 3. 4	All bolts sh	all be ASTM	ASTM A53 type S. A325, except as noted. STM F1554 Gr. 36.	<u>/3\</u>		_		ith 8d's at 2" on center all edges with 3X or 4X studs at adjoining panel edges. (Capacity= 640 plf) ith (2) rows 10d's at 3" on center all edges with 4X studs at adjoining panel edges. (Capacity= 1072 plf)
	5. 6.	Welding sh All steel me 1.25 oz. of	all be by AW embers and p zinc spelter p	/S certified welders with E70 electrodes in accordance with AWS D1.1-75. Darts exposed to weather or in contact with the ground shall be galvanized per ASTM A-1: per square foot of contact area. All other steel surfaces shall be shop painted with two co	23 with <u>5.</u>		_		ith (2) rows 10d's at 2" on center all edges with 4X studs at adjoining panel edges. (Capacity= 1608 plf)
Carpentry:		oxide prime	er after fabric	cation.		4	F		HOLDOWN SCHEDULE
	1. 2. 3.	6X columns	s shall be #1	be #2 Douglas Fir. Douglas Fir or PT #1 Hem Fir, per plan. ied and stored in a dry area prior to installation.	LTT20B	\		Use 1	OB attaches to foundation with 1/2" diameter anchor bolt with 7" minimum embedment for cast in place cor ½" diameter threaded rod in cleaned 5/8" diameter hole 6" deep and epoxy with Simpson AT-XP if instance to the cast. LTT20B attaches to double stud minimum with (10) 16d sinker nails. (Cap = 1500)
	4.	Floor trusse	es shall be by	y Trus-Joist or other approved manufacturer. Roof trusses shall be by a preapproved maring to the specifications of the Truss Plate Institute.	nufacturer HD19	<	A	HD19 cast i	attaches to foundation with 1-1/8" diameter anchor bolt with 27" minimum embedment into 8" concrete ste in place construction. Use 1-1/8" diameter threaded rod in cleaned 1-1/8" diameter hole 20" deep and e son AT-XP if installed after concrete has been cast. HD19 attaches to 6X stud minimum with (5) 1" diameter
	5.	the building	and the trus	e responsible for all bracing of the trusses including end wall bracing and all other bracing sses unless specifically shown otherwise on the drawings. shall be 24f-V8 for cantilevered or continuous beams and 24f-V4 for simple spans.		,	C\	(Cap	= 16775)
		(Fb = 2, (Fv = 2 (E = 1,800	400 PSI) (65 PSI) (),000 PSI)		HDU5	7		const	5 attaches to foundation with a 5/8" diameter anchor bolt with 15" minimum embedment for cast truction. Use 5/8" diameter threaded rod in cleaned 3/4" diameter hole 12" deep and epoxy with Simpson led after concrete has been cast. HDU5 attaches to double studs with (14) Simpson SDS1/4X3 screws
		(FcL = Alaskan Ce (Fb = 2000 (Fv = 265 F (E = 1,500, (FcL = 560	edar glue lam PSI) PSI) 00 PSI)	ninated beams shall be 24F-V12 for cantilevered or continuous beams.	HDU2	\	E		2 attaches to foundation with a 5/8" diameter anchor bolt with 14" minimum embedment for cast ruction. HDU2 attaches to double studs with (6) Simpson SDS1/4X3 screws. (Cap = 3075)
	6.	•	Veneer Lum 600 PSI) 85 PSI) 0,000 PSI)	ber Beams (LVL) shall have the following properties:					
Pin Piles;	7.	Plywood sh	all be nailed	6" o.c. edges and 12" field with 8d's unless otherwise noted on the drawings.					
1. 2.	Pin piles sha	all be driven	with a minim	oipes, diameter per plan. um 400 pound pneumatic jack hammer. pe B (fy = 35 ksi). <u>Pin Pile Installation Procedures</u>					
2.		es with a 400)-pound pnet	n. umatic jack hammer to refusal. Refusal is defined as less than one inch of penetration per lile splices and bearing plate shall be connected by friction fittings approved by the engine					
Per Pa		eport, a repr	esentative of	f PanGeo shall be present during the installation of pin piles. It is assumed this representa					
<u>GeoFoam</u>									
2. 3. 4.	Geofoam sh Geofoam inf	all meet AST ill shall be co	M D6817 overed with a	I have a minimum density of 1.35 PCF. a minimum 1'-0" clear draining material, 3'- 4" soil, and capped with a 6" concrete slab. as required adequate footing drain.					
<u>Hardware:</u> All connectio	n hardware s	hall be Simp	son "Strong	Tie", unless noted otherwise.					
Connection h		osed to wear	ther or in cor	ntact with the ground or pressure treated wood shall be galvanized per ASTM A-123 with	1.25 oz.				
CAUTION PLACE TRU	SSES PER M	MANUFACTU	JRER'S REC	COMMENDATIONS. BRACE PER RECOMMENDATIONS. ONS AND ALL ELEVATIONS.					
.,									
									DRAWING DISCREPANCIES The contractor shall alert MC Squared, Inc. of any discrepar found on the drawings, such as missing data, types, or any other items that do not

TYPICAL SHEAR WALL NOTES

nchor Bolts (AB's) with single plates or 1/2" dia. by 12" AB's with 3X or double plates spaced as shown on the drawings. AB's Iment into footing, shall be centered in the stud wall, and shall project through the bottom plate of the wall. All anchor bolts 12" from corners, and 12" from the ends of both plates at splices. All anchor bolts shall have a 3" square, 1/4" thick plate op of the sill plate and the nut. (If using expansion anchors as substitutes for anchor bolts, embed a minimum of 3-1/2" into

10d common (8d common nails must be 0.131 inch diameter, Senco KC27 Nails are equivalent. If 10d common nails are must be 0.148 inches, Senco MD23 Nails are equivalent when used with ½" plywood). Nail size and spacing at all sheathing ired below or as in the drawings. Nail spacings shall be 12" o.c. for all field nailing except as noted.

on "Strong Tie" and shall be installed per the manufacture's recommendation. Equivalent holdowns by United Steel Products hat have ICC approval can be substituted in place of Simpson holdowns.

2 Doug-Fir or better. 3X, 4X, or 6X studs can be made from multiple 2X studs nailed together with (2) rows of 10d's at 8" on

combination of (1) pressure treated 2X sill directly in contact with concrete and another non-treated 2X sill plate nailed to the s of 10d common nails at 6" on center each row.

ROOF DIAPHRAGM

SB, span rated 24/16 or better, nail with 8d common nails at 6" on center edges and 12" on center field. Sheathing shall lay

FLOOR DIAPHRAGM

plywood or OSB sheathing span rated 48/24 or better. Glue and nail with 10d common nails at 2 ½" on center edges, and neathing shall lay perpendicular to framing. Block all unsupported panel edges with #2 DF 2x4 (Flat)

SHEAR WALL SCHEDULE

LTT20B attaches to foundation with 1/2" diameter anchor bolt with 7" minimum embedment for cast in place construction.

Use ½" diameter threaded rod in cleaned 5/8" diameter hole 6" deep and epoxy with Simpson AT-XP if installed after concrete has been cast. LTT20B attaches to double stud minimum with (10) 16d sinker nails. (Cap = 1500) HD19 attaches to foundation with 1-1/8" diameter anchor bolt with 27" minimum embedment into 8" concrete stem wall for

cast in place construction. Use 1-1/8" diameter threaded rod in cleaned 1-1/8" diameter hole 20" deep and epoxy with Simpson AT-XP if installed after concrete has been cast. HD19 attaches to 6X stud minimum with (5) 1" diameter bolts. (Cap = 16775)

HDU5 attaches to foundation with a 5/8" diameter anchor bolt with 15" minimum embedment for cast in place construction. Use 5/8" diameter threaded rod in cleaned 3/4" diameter hole 12" deep and epoxy with Simpson AT-XP if installed after concrete has been cast. HDU5 attaches to double studs with (14) Simpson SDS1/4X3 screws. (Cap =

HDU2 attaches to foundation with a 5/8" diameter anchor bolt with 14" minimum embedment for cast in place

DRAWING DISCREPANCIES
The contractor shall alert MC Squared, Inc. of any discrepancies

such as missing data, typos, or any other items that do not

The structural drawings are not dimensioned. The architectural

followed for dimensions between grid lines, length and width of building, and floor to floor heights.

The structural drawings are only dimensioned for the structural

make good sense.

plans should be

DRAWING DIMENSIONS

INCORPORATEI STRUCTURAL & CIVIL

1235 EAST 4TH AVE. SUITE 101

OLYMPIA, WA 98506

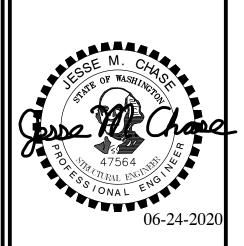
ENGINEERS

T (360) 754-9339 F (360) 352-2044

www.mc2-inc.com

Designed By NFG Drawn By CLH Checked By JKF

06-24-20



2020-0197

S1.0

	<u>, </u>	INSPECTION	V		
SYSTEM or MATERIAL	IBC CODE	CODE or STANDARD	FREQUE	ENCY	REMARKS
0.0.1	REFERENCE	REFERENCE	Continuous	Periodic	
			SOILS		
GEOTECHNICAL INVESTIGATIONS	TABLE 1705.6 1803				GEOTECHNICAL INVESTIGATION SHALL INCLUDE ITEMS OF SPECIAL INSPECTION AND TESTING AS NOTED IN TABLE 5 OF THE GUIDELINES
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	TABLE 1705.6			X (a)	BY THE GEOTECHNICAL ENGINEER
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	TABLE 1705.6			x	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	TABLE 1705.6 1803.5.1			х	TESTING OF COMPACTED FILL MATERIALS (SEE TABLE 5)
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	TABLE 1705.6		X		BY THE GEOTECHNICAL ENGINEER
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	TABLE 1705.6			x	
		DRIVEN DEEP F	OUNDATION E	EMENTS	
VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS	TABLE 1705.7		х		BY THE GEOTECHNICAL ENGINEER
DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED	TABLE 1705.7		х		OBSERVATION BY GEOTECHNICAL ENGINEER
OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT	TABLE 1705.7		х		
VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT AND DAMAGE TO FOUNDATION ELEMENT	TABLE 1705.7		X		
FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705.2	TABLE 1705.7				
		T	ABLE 2		
	REC	QUIRED STRUCTU		AL INSPE	CTIONS
}		INSPECTION	N FREQUE	NCY	
SYSTEM or MATERIAL	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	Continuous	Periodic	REMARKS
•					
		<u> </u>	ONCRETE		I
	1909.1 TABLE 1705.3	ACI 318: 3.8.6, 8.1.3, 21.1.8	ONCRETE	X (a)	SPECIAL INSPECTIONS APPLY TO ANCHOR PRODUCT NAME, TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITI DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, ADHESIVE EXPIRATION DATE, ANCHOR/ADHESIVE INSTALLATION, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE
HARDENED CONCRETE REINFORCING STEEL AND PRESTRESSING		ACI 318:	ONCRETE		TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITH DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, ADHESIVE EXPIRATION DATE, ANCHOR/ADHESIVE INSTALLATION, ANCHOR EMBEDMENT, AND TIGHTENING
HARDENED CONCRETE REINFORCING STEEL AND PRESTRESSING TENDON PLACEMENT PLACEMENT OF BOLTS INSTALLED IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE	TABLE 1705.3 1705.3 1910.4 1901.3.2 TABLE 1705.3 1908.5 1909.1	ACI 318: 3.8.6, 8.1.3, 21.1.8 ACI 318: 3.5	ONCRETE	X (a)	TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITH DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, ADHESIVE EXPIRATION DATE, ANCHOR/ADHESIVE INSTALLATION, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE TOLERANCES AND REINFORCING PLACEMENT PER ACI 7.5; SPACING LIMITS FOR REINFORCING ACI 7.6
INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE REINFORCING STEEL AND PRESTRESSING TENDON PLACEMENT PLACEMENT OF BOLTS INSTALLED IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED VERIFYING USE OF REQUIRED MIX DESIGN(S)	TABLE 1705.3 1705.3 1910.4 1901.3.2 TABLE 1705.3 1908.5 1909.1 TABLE 1705.3 1904 1904.2 1910.2	ACI 318: 3.8.6, 8.1.3, 21.1.8 ACI 318: 3.5 ACI 318: 7.1-7.7 ACI 318: 1.3.2.C ACI 318: 8.1.3 ACI 318: 21.1.8	ONCRETE	X (a)	TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITI DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, ADHESIVE EXPIRATION DATE, ANCHOR/ADHESIVE INSTALLATION, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE TOLERANCES AND REINFORCING PLACEMENT PER ACI 7.5; SPACING LIMITS FOR REINFORCING ACI 7.6 PROTECTION OF REINFORCEMENT PER ACI 7.7
REINFORCING STEEL AND PRESTRESSING TENDON PLACEMENT PLACEMENT OF BOLTS INSTALLED IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED VERIFYING USE OF REQUIRED MIX	TABLE 1705.3 1705.3 1910.4 1901.3.2 TABLE 1705.3 1908.5 1909.1 TABLE 1705.3	ACI 318: 3.8.6, 8.1.3, 21.1.8 ACI 318: 3.5 ACI 318: 7.1-7.7 ACI 318: 1.3.2.C ACI 318: 8.1.3 ACI 318: 21.1.8 ACI 318 - APPENDIX D ACI 318: CHAPTER 4	ONCRETE	X (a)	TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITH DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, ADHESIVE EXPIRATION DATE, ANCHOR/ADHESIVE INSTALLATION, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE TOLERANCES AND REINFORCING PLACEMENT PER ACI 7.5; SPACING LIMITS FOR REINFORCING ACI 7.6 PROTECTION OF REINFORCEMENT PER ACI 7.7

			STEEL		
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.5.2	AISC 360 N2		X	REFER TO INSPECTION OF FABRICATOR REQUIREMENTS
FABRICATION OF STRUCTURAL ELEMENTS	1704.2.3.2	AI3C 300 N2		^	APPROVAL BASED ON NATIONALLY RECOGNIZED ACCREDITING AUTHORITY
MATERIAL VERIFICATION OF HIGH- STRENGTH BOLTS, NUTS, AND WASHERS		AISC 360 A3.3 AISC 360 N 3.2 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS RCSC 2.1		X	MANUFACTURER'S CERTIFIED TEST REPORTS
MATERIAL VERIFICATION OF STRUCTURAL STEEL	1705.2.1 2203.1 TABLE 1705.2	ASTM A6 ASTM STANDARDS SPECIFIED IN CONSTRUCTION DOCUMENTS AISC 360 N3.2 AISC 360 A3.1 AISC 360 M5.5		x	CERTIFIED MILL TEST REPORTS
FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	TABLE 1705.2	APPLICABLE ASTM MATERIAL STANDARDS		x	MANUFACTURER'S CERTIFIED TEST REPORTS
MATERIAL VERIFICATION OF WELD FILLER METALS	TABLE 1705.2	AISC 360 N3.2 AISC 360 A3.5 APPLICABLE AWS A5 DOCUMENTS		X	MANUFACTURER'S CERTIFICATE OF COMPLIANCE
COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	TABLE 1705.2	AWS D1.1 SECTION 6	х		ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9
SINGLE PASS FILLET WELDS LESS THAN OR	TABLE 1705.2	AWS D1.1		X	ALL WELDS VISUALLY INSPECTED PER AWS D1.1 6.9
EQUAL TO 5/16" FLOOR AND ROOF DECK WELDS	TABLE 1705.2	SECTION 6 AWS D1.3		х х	ALL WELDS INSPECTED PER AWS D1.1 0.9
MATERIAL VERIFICATION OF ANCHOR BOLTS AND THREADED RODS		SECTION 7 AISC 360 N3.2 AISC 360 A3.4 ASTM STANDARDS SPECIFIED IN CONSTRUCTION		x	MANUFACTURER'S CERTIFIED TEST REPORTS
VERIFYING USE OF PROPER WPS'S		DOCUMENTS AISC 360 N3.2			COPY OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER AND WELDING INSPECTOR QUALIFICATIONS	1705.2.2.1			X	COPY OF QUALIFICATION CARDS
INSTALLATION OF COMPOSITE SLAB DECKING	1705.1.1	ICC EVALUATION REPORT ASCE 9 CHAPTER 3		X	SPECIAL INSPECTIONS APPLY TO DECKING TYPE, DEPTH, GAGE AND FASTENING
WELDING STUDS EXCEPT AS NOTED OTHERWISE		AISC 360 N6 AWS D1.1 SECTION 7	x		CONTINUOUS INSPECTION IS NOT REQUIRED WHEN WELDS INSTALLED WITH AN AUTOMATICALLY TIMED STUD WELDING MACHINE PER SECTION 7 OF AWS D1.1 (ONLY PERIODIC), 1705.2 (3)
		Т	ABLE 3		ALL WELDS VISUALLY INSPECTED PER AWS D1.1 7.8.1
	RE	QUIRED TESTING		L INSPEC	TIONS
		TESTING	FREQUE	ENCY	
SYSTEM or MATERIAL	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	Continuous	Periodic	REMARKS
		GEC	TECHNICAL		
GEOTECHNICAL ENGINEER TO PERFORM TESTING OF COMPACTED FILL MATERIALS	1803				TESTING PER GEOTECHNICAL REPORT
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY				X (a)	BY THE GEOTECHNICAL ENGINEER
MATERIAL VERIFICATION	1705.6	VARIES; CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	OVODETE	X (a)	BY THE GEOTECHNICAL ENGINEER
AT THE TIME FRESH CONCRETE IS SAMPLED			ONCRETE		FABRICATE SPECIMENS AT TIME FRESH CONCRETE IS PLACED
TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	TABLE 1705.3 TABLE	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	Х		ONCE EACH DAY FOR A GIVEN CLASS OF CONCRETE, OR LESS THAN ONCE FOR EACH 150 YDS OF CONCRETE, OR LESS THAN ONCE FOR EACH 5,000 FT2 OF SURFACE AREA FOR SLABS/WALLS. ONCE EACH SHIFT FROM IN-PLACE WORK OR
CONCRETE STRENGTH CONCRETE SLUMP	1705.3	ASTM C39 ASTM C143	X		FROM TEST PANEL AND MINIMUM ONE SPECIMEN FOR EACH 50
CONCRETE AIR CONTENT CONCRETE TEMPERATURE	TABLE 1705.3	ASTM C231 ASTM C1064	X		
		MT - AWS D1.1 6.14.4	STEEL		I
MAGNETIC PARTICLE (MT) AND ULTRASONIC (UT) TESTING OF WELDS	1705.2.2	UT - AWS D1.1 6.13 & 6.14.3	PER DRA	MNGS	
REQUIRED SP	ECIAL INSP	ECTIONS for SEISM	/IIC RESIST/	ANCE (SE	ISMIC CATEGORIES C, D, E, F)
SYSTEM or MATERIAL	IBC CODE REFERENCE	INSPECTION CODE or STANDARD REFERENCE	FREQUE	ENCY Periodic	REMARKS
			TURAL WOOD		<u> </u>
FIELD GLUING OF DIAPHRAGM AND SHEAR WALL ELEMENTS FOR SEISMIC FORCE- RESISTING-SYSTEMS			х		
CONNECTIONS FOR DIAPHRAGM CHORDS, COLLECTORS, BRACING, AND SHEAR WALL ANCHORAGE AND HOLDOWNS	1705.11.2			x	ALL CONNECTIONS VISUALLY INSPECTED
FASTENING OF DIAPHRAGM AND SHEAR WALL SHEATHING WITH EDGE NAILING < 4"				x	SPECIAL INSPECTION IS NOT REQUIRED WHEN FASTENER SPACING IS GREATER THAN 4" ON CENTER FOR WOOD SHEAR WALLS, DIAPHRAGMS, NAILING, BUILDING AND OTHER COMPONENTS IN THE SEISMIC FORCE-RESISTING SYSTEM.

TABLE 5													
REQUIRED SPECIAL													
SYSTEM or MATERIAL	INSPECTION			REMARKS									
	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY		FREQUENCY		FREQUENCY		FREQUENCY		FREQUENCY		
			Continuous	Periodic									
NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS	1705.10.1			X (a)	SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SH WALLS AND DIAPHRAGMS WHERE THE FASTENER SPACING MORE THAN 4 INCHES ON CENTER OR FOR COLD-FORME CONSTRUCTION WHERE THE SHEATHING IS GYPSUM BOA FIBERBOARD, OR WOOD STRUCTURAL PANEL OR STEEL SH ON ONE SIDE ONLY AND FASTENER SPACING IS MORE THA								
FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WIND-FORCE-RESISTING SYSTEM.	1705.10.1		x										
ROOF CLADDING AND WALL CLADDING	1705.10.3			X (a)									
TABLE 6	•		•	•									
STRUCTURAL OBSERVATION													
SYSTEM or MATERIAL	INSPECTION				REMARKS								
	IBC CODE REFERENCE	CODE or STANDARD REFERENCE	FREQUENCY										
			Continuous	Periodic									
AS REQUIRED BY THE DESIGN PROFESSIONAL	1704.5												
SEISMIC RESISTANCE	1704.5.1			X (a)	SEE COMMENTARY								
WIND REQUIREMENTS	1704.5.2			X (a)	SEE COMMENTARY								

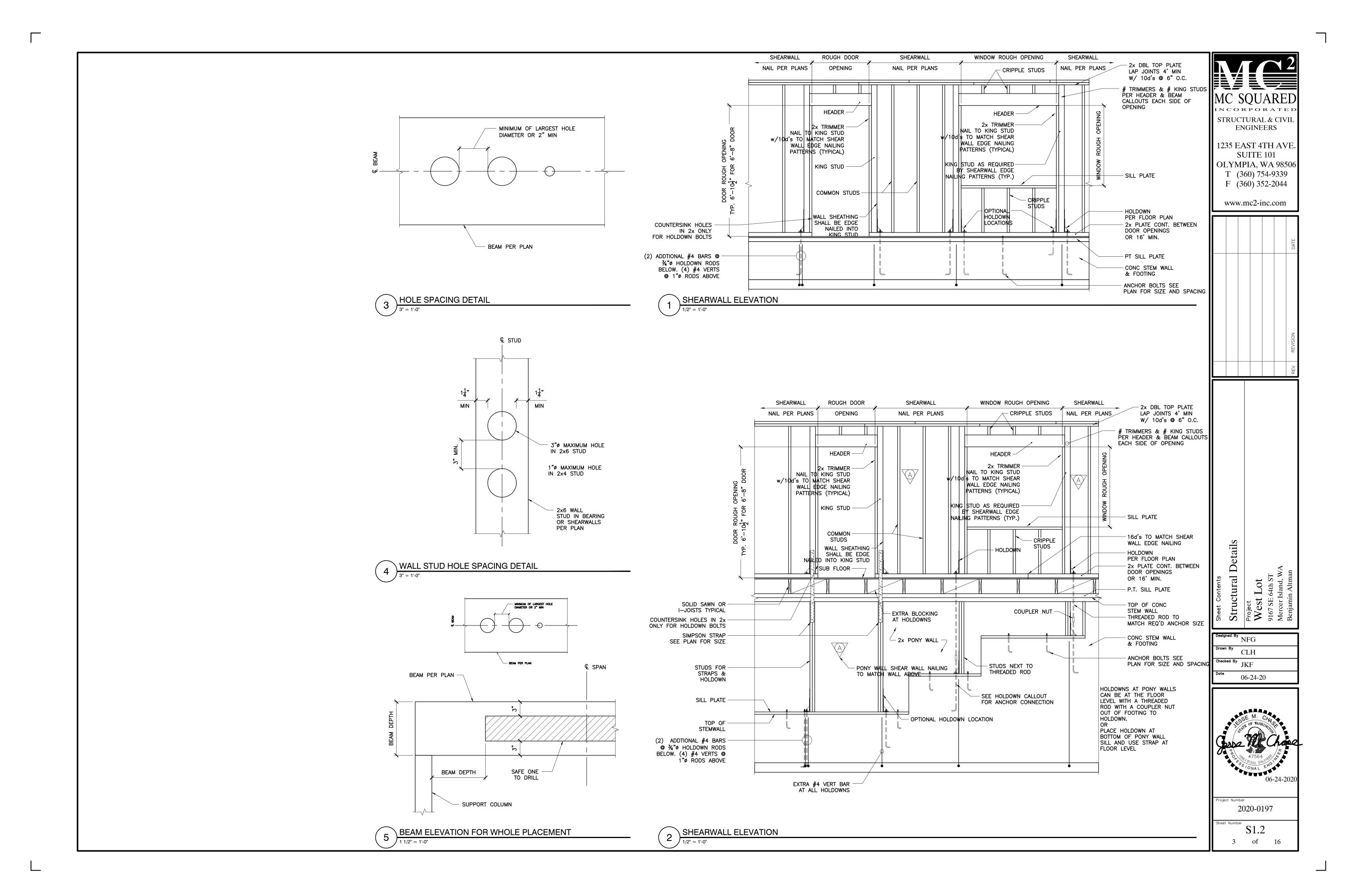


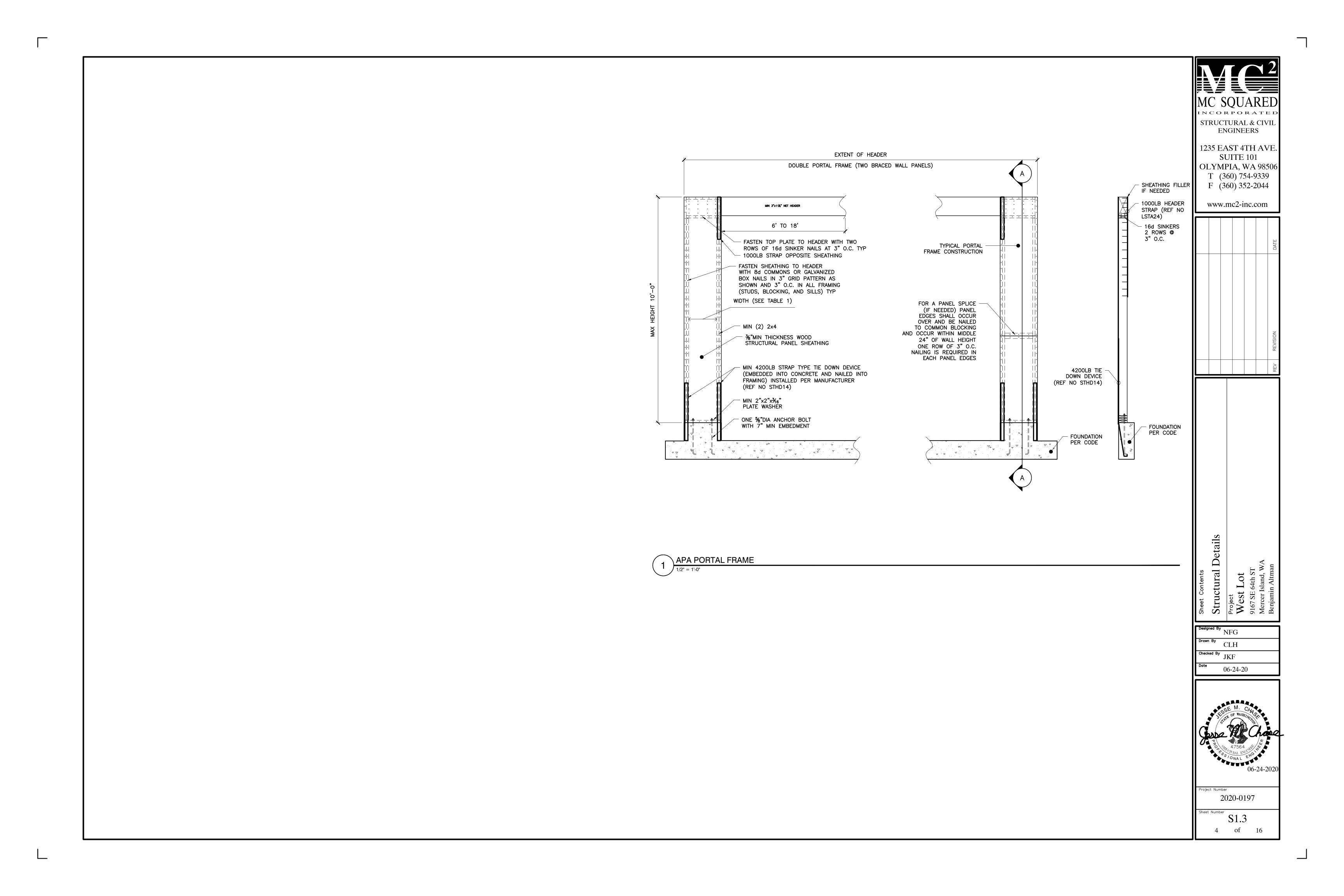
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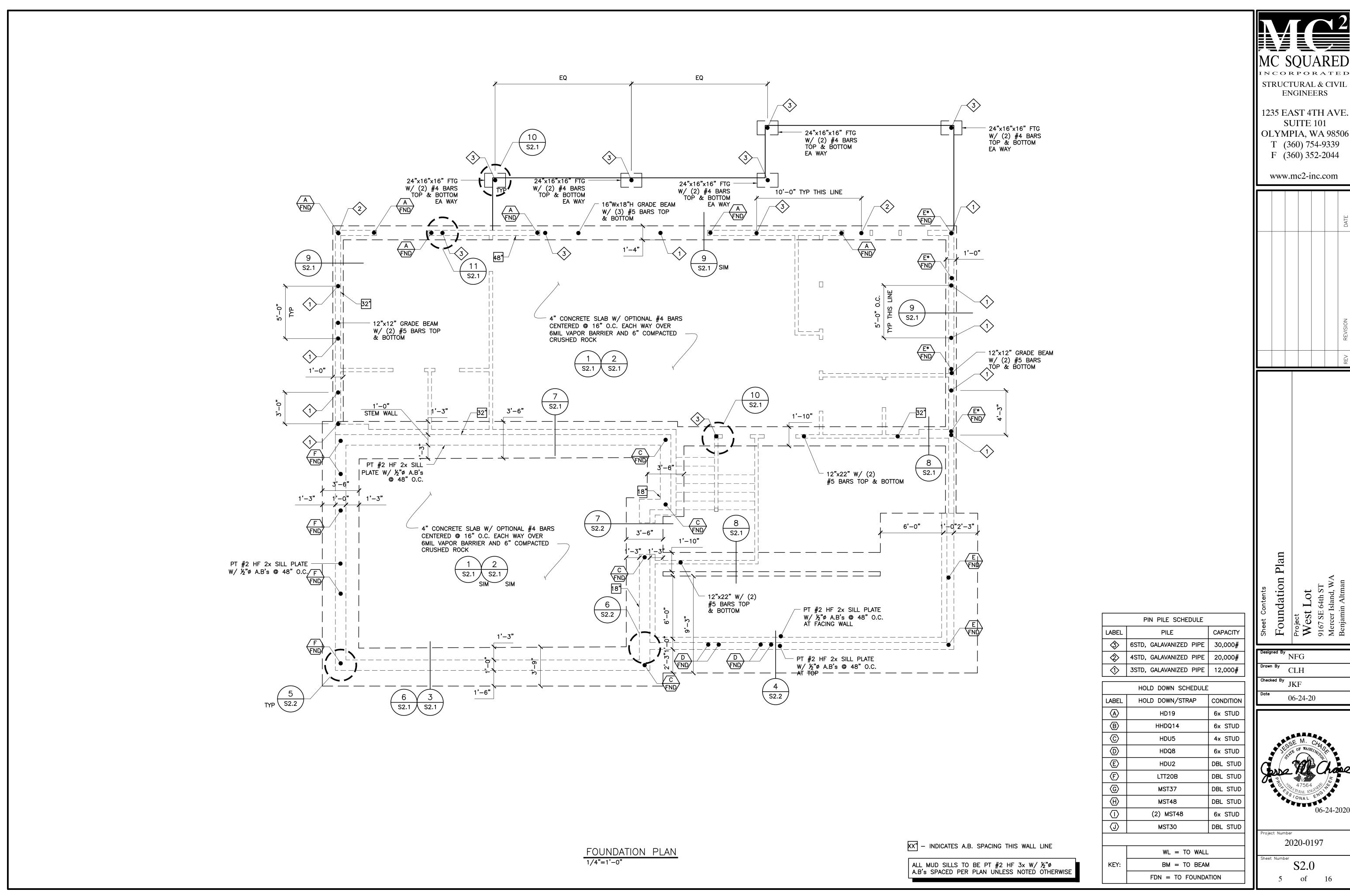


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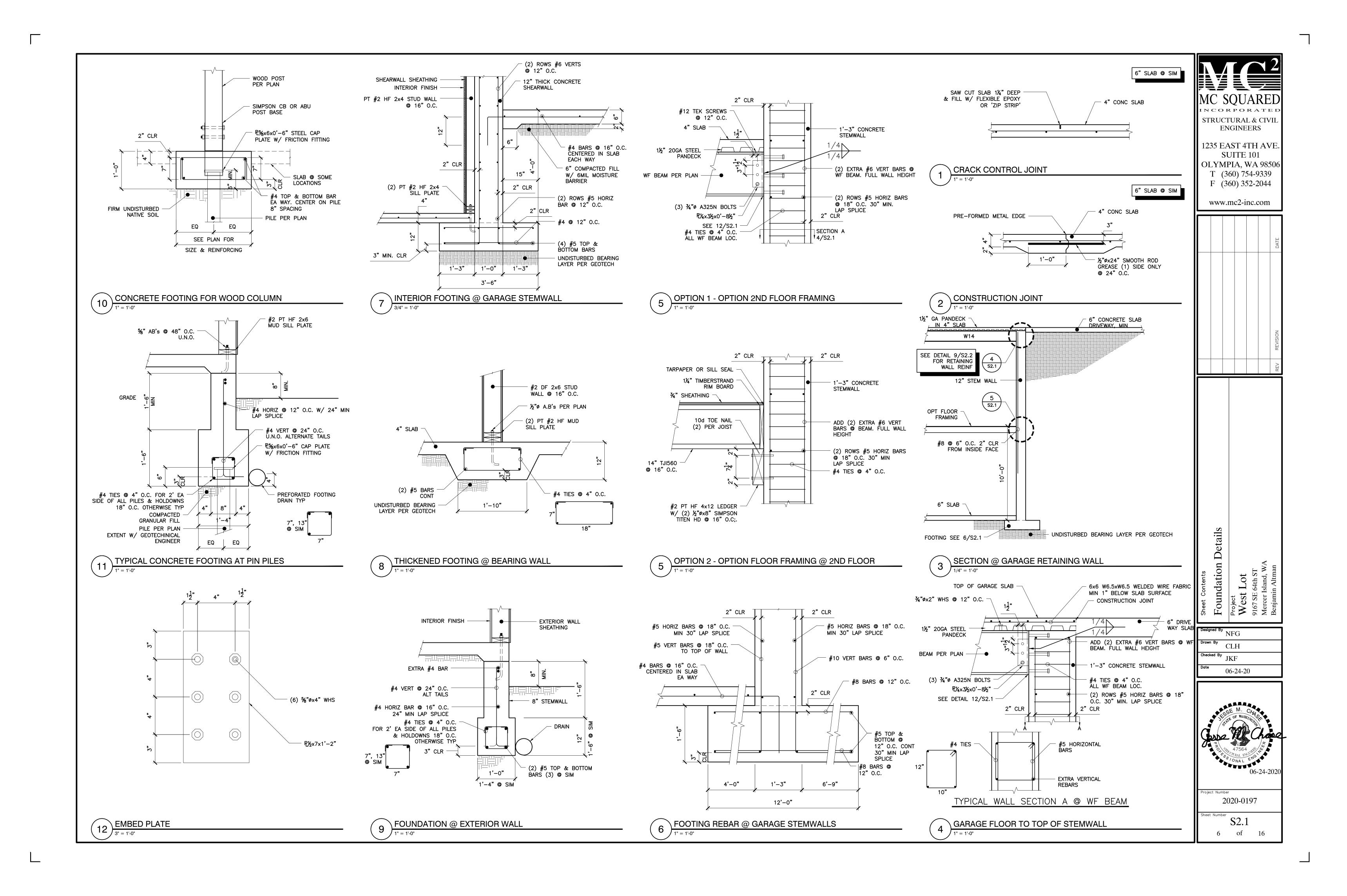


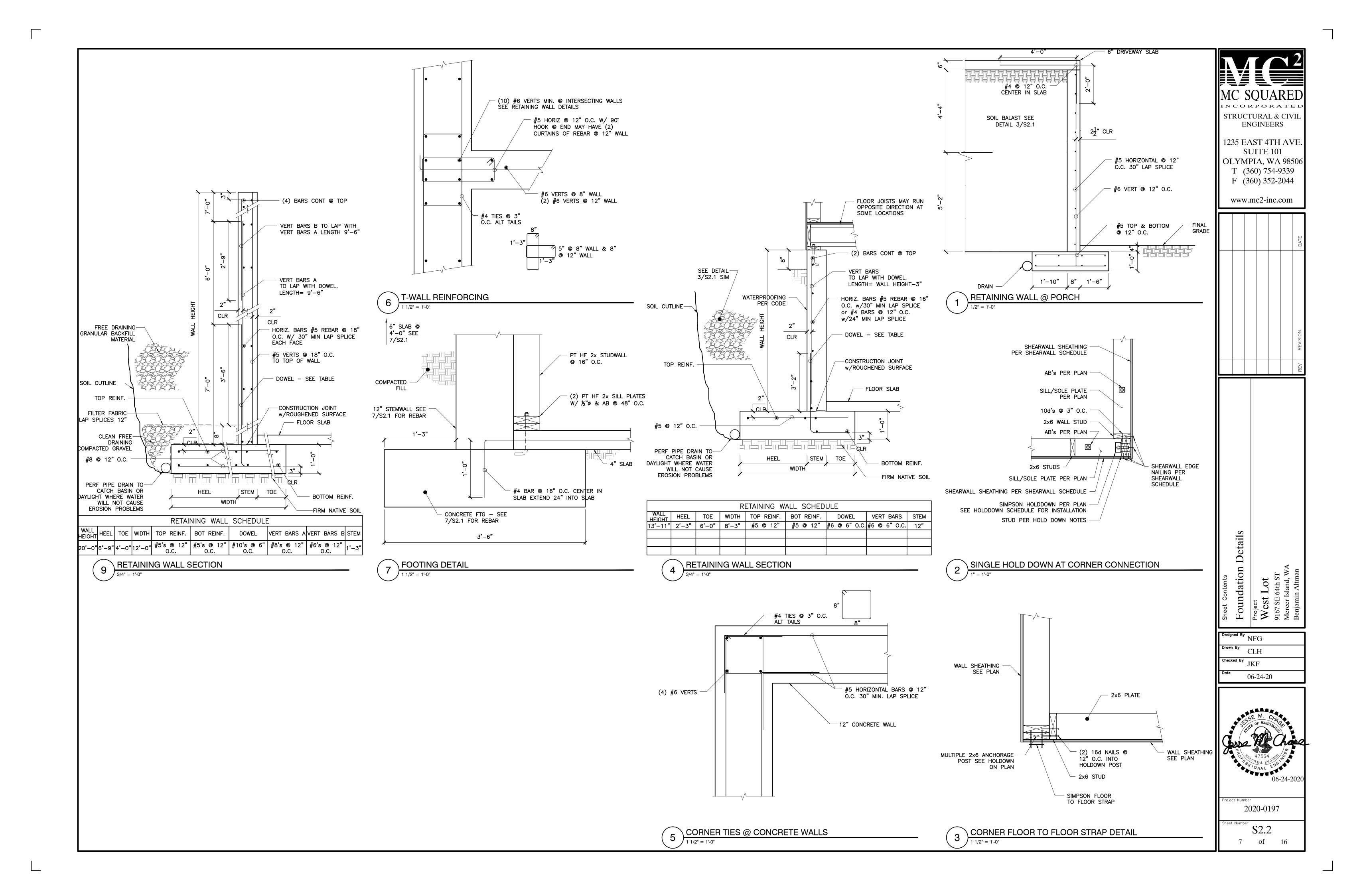


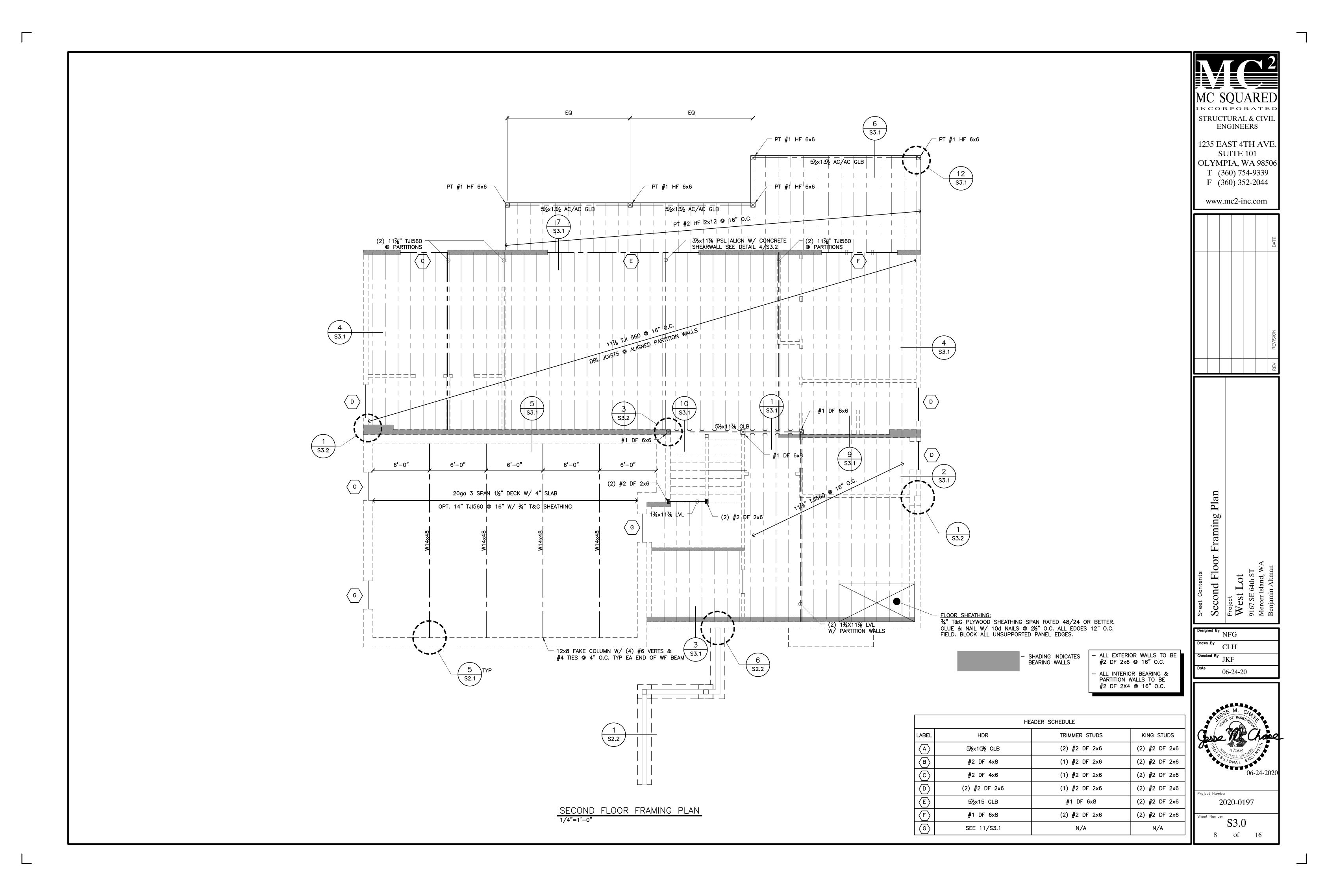


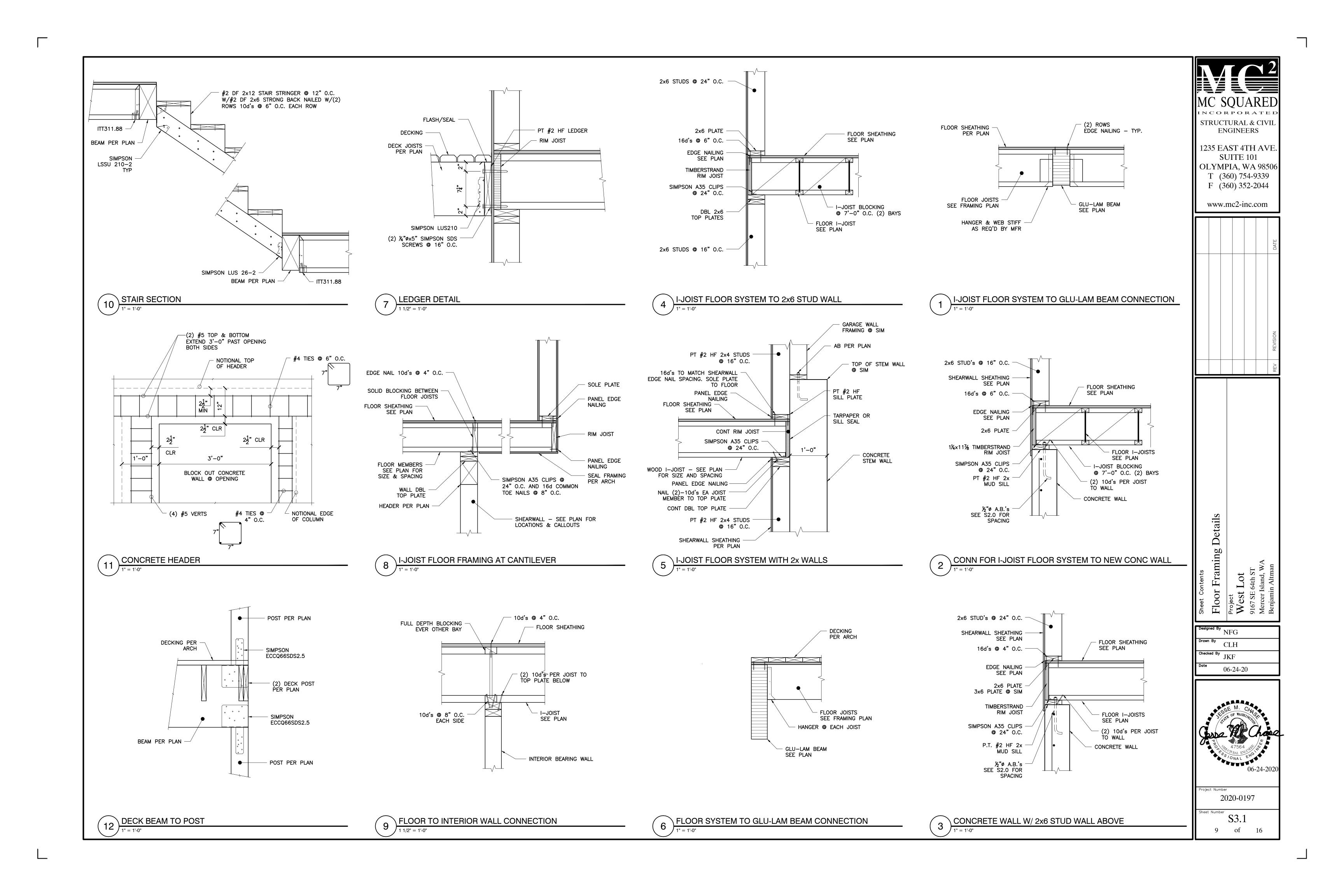
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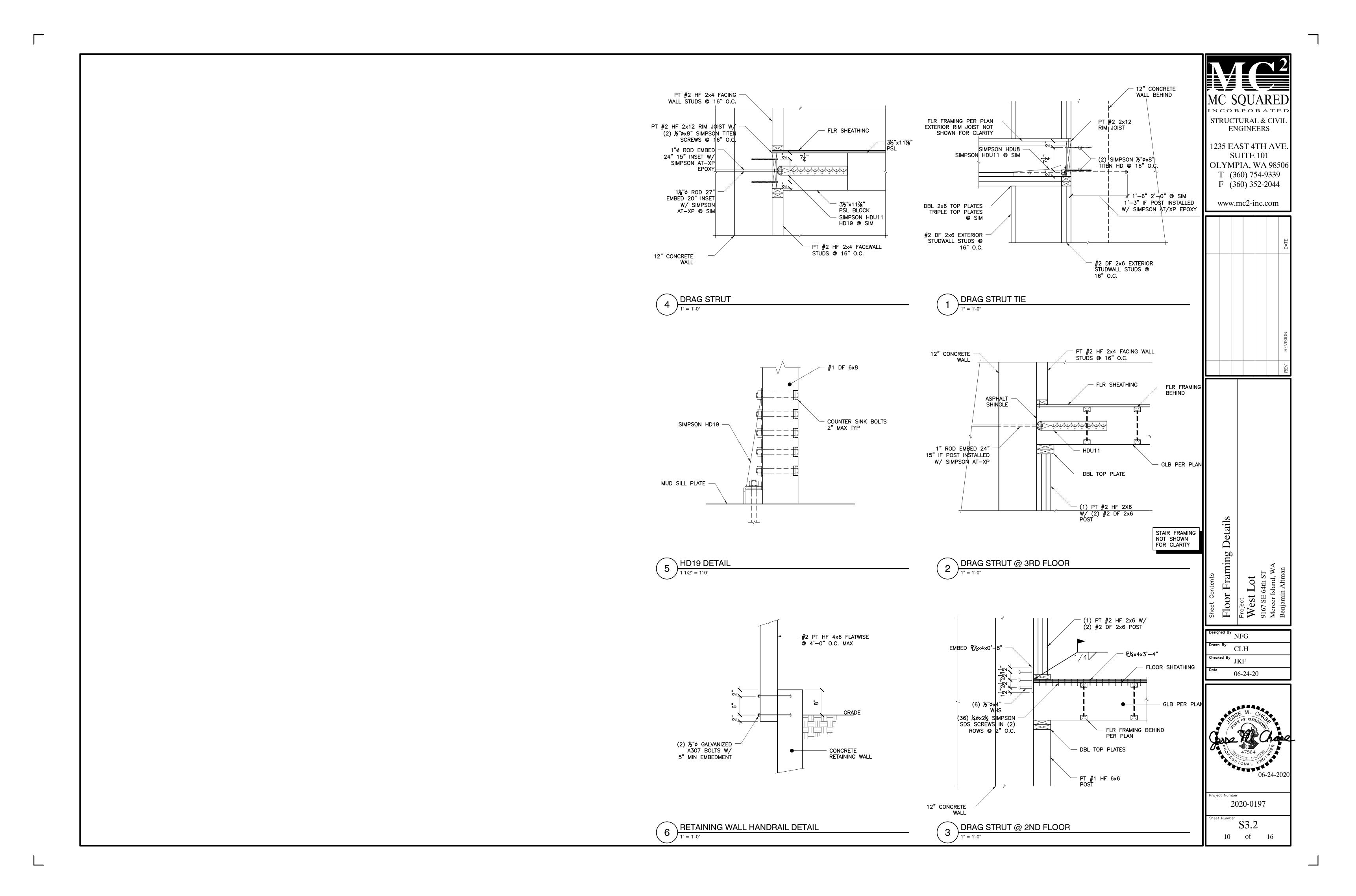


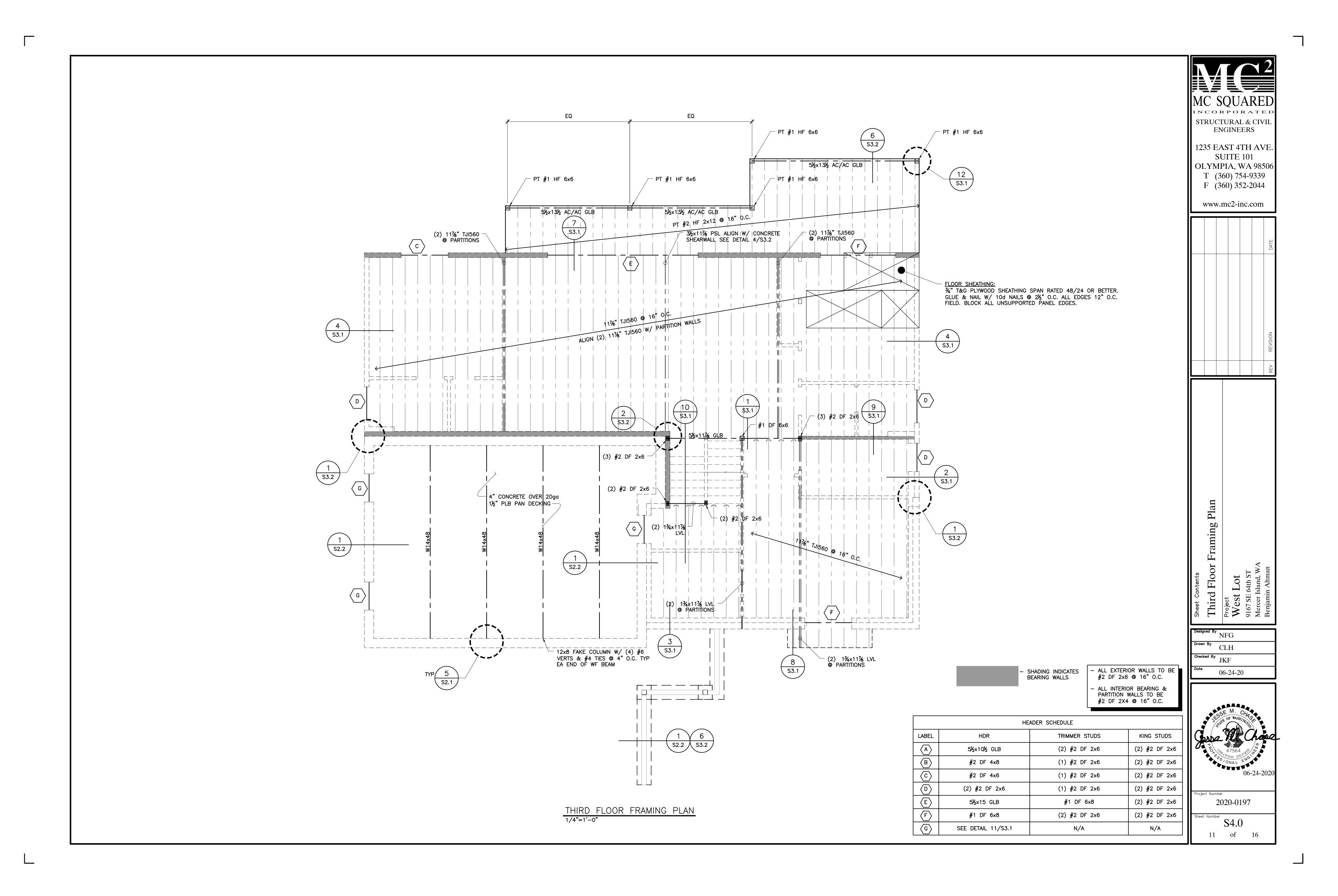


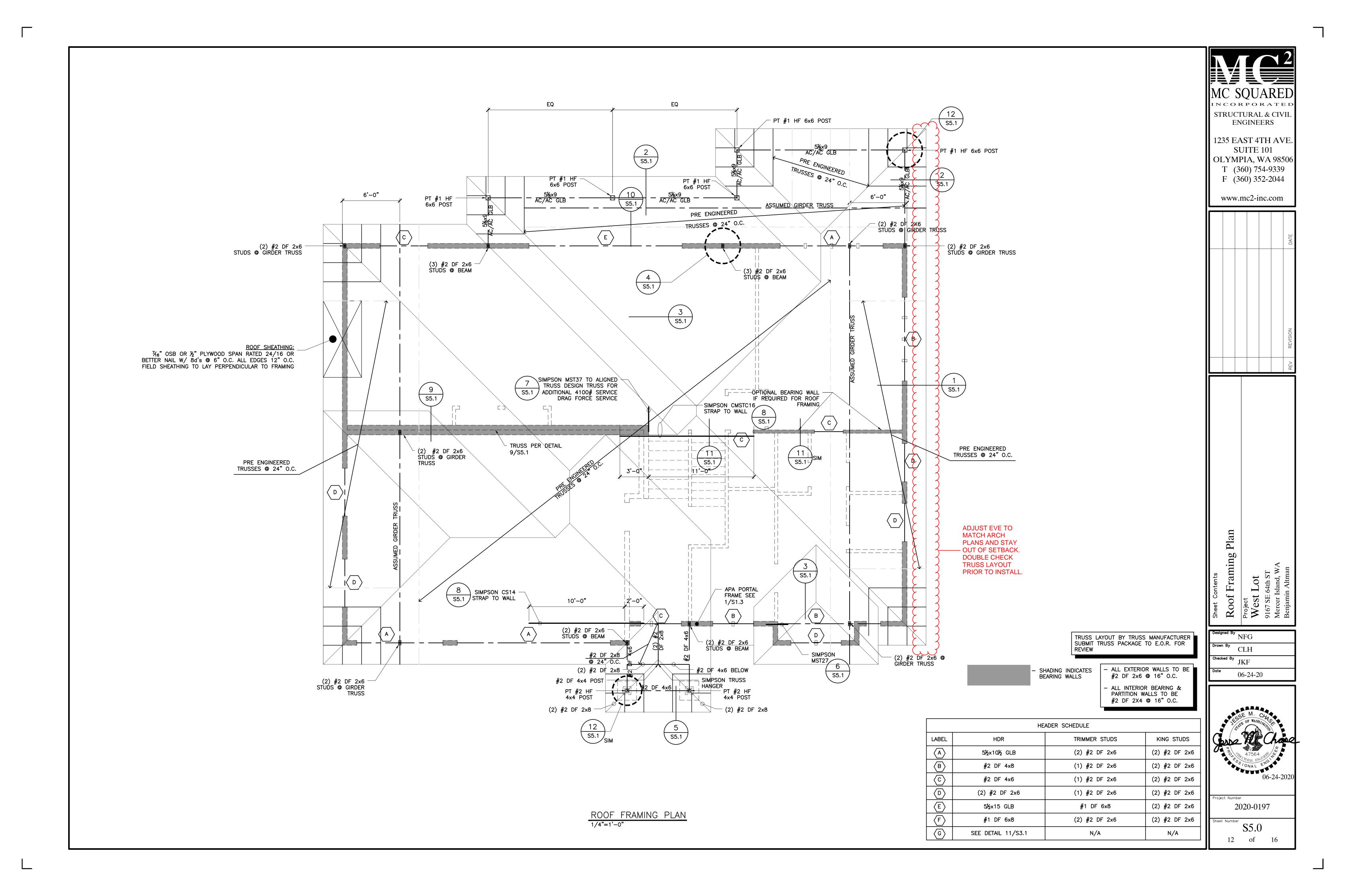


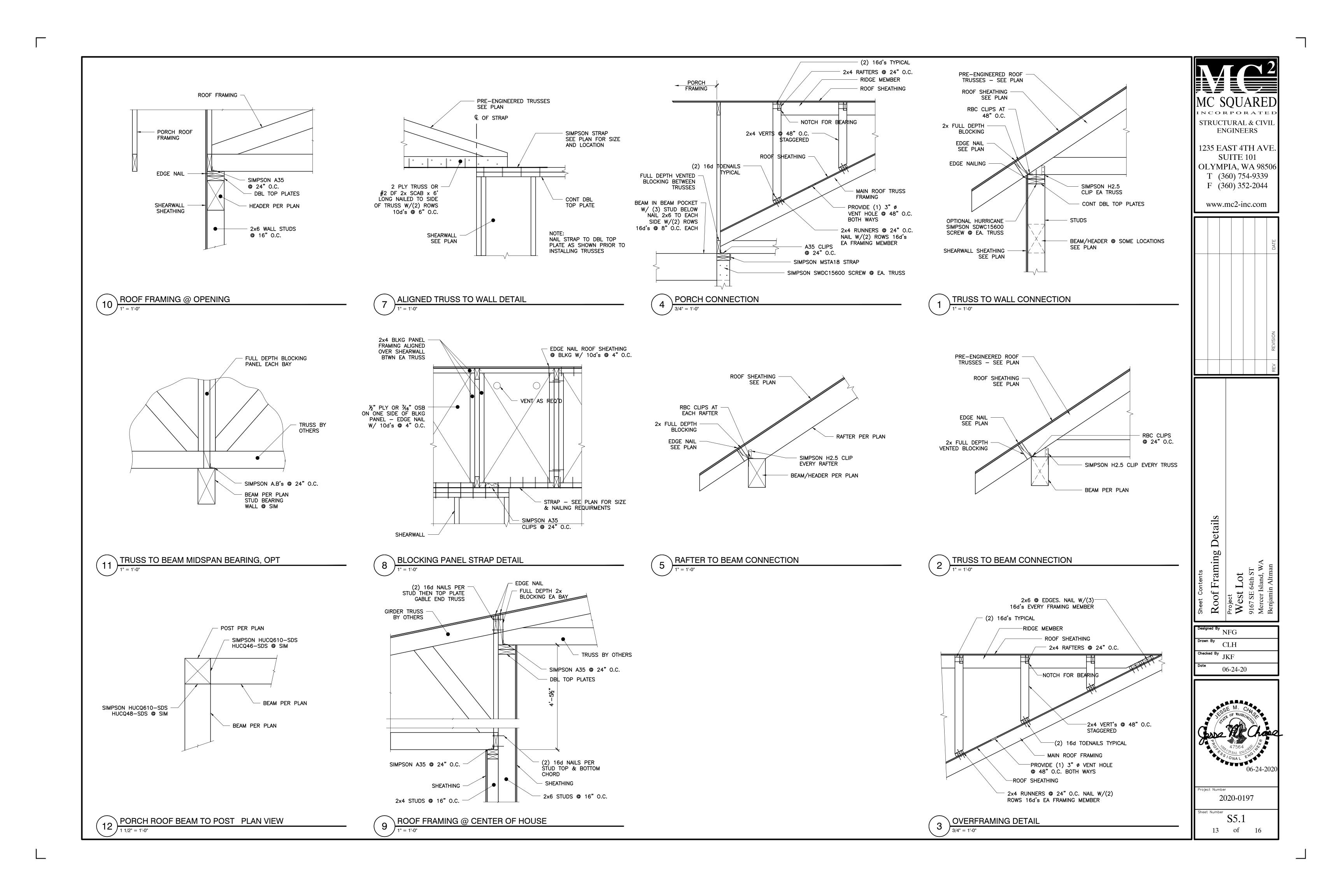


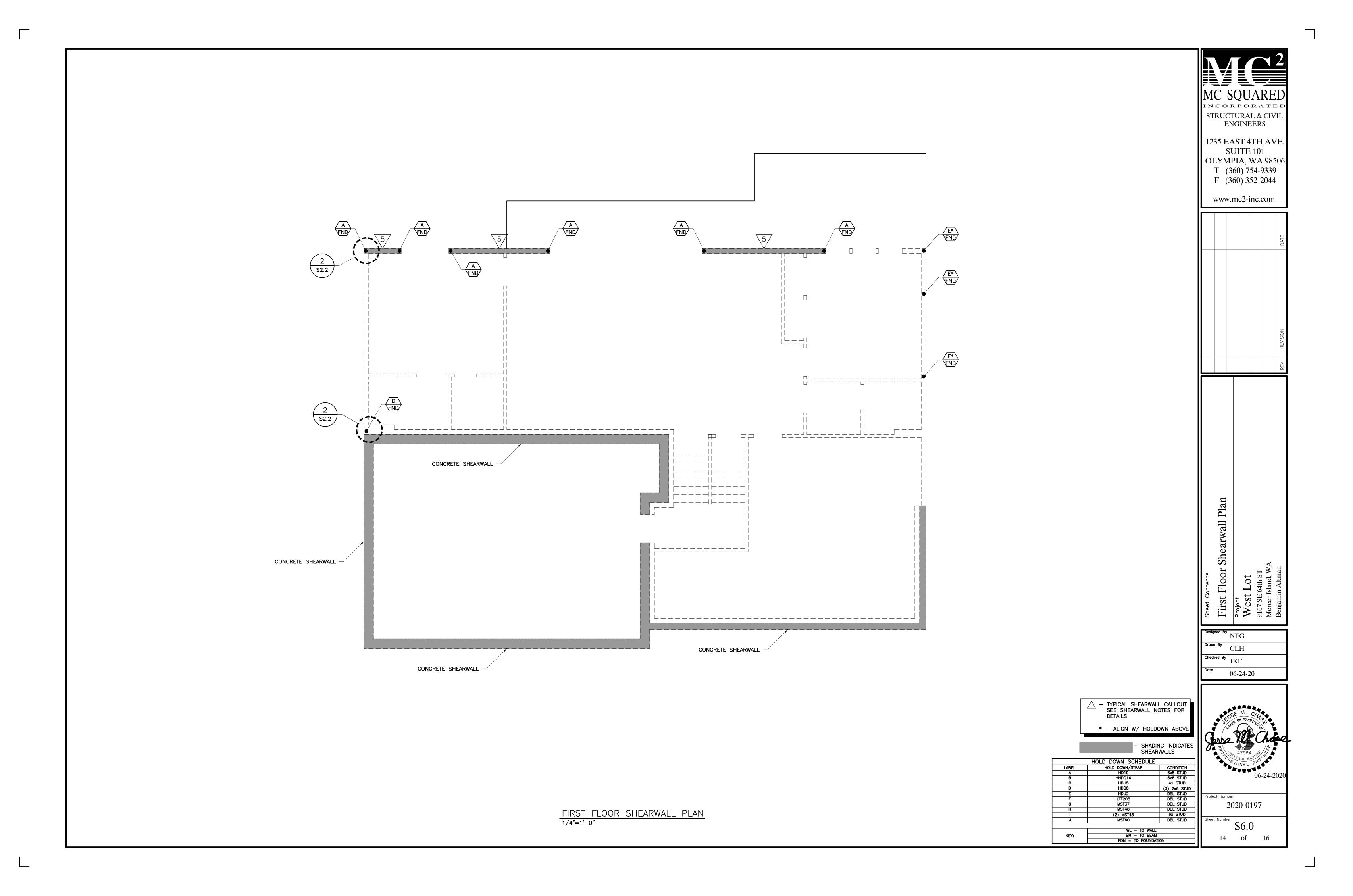


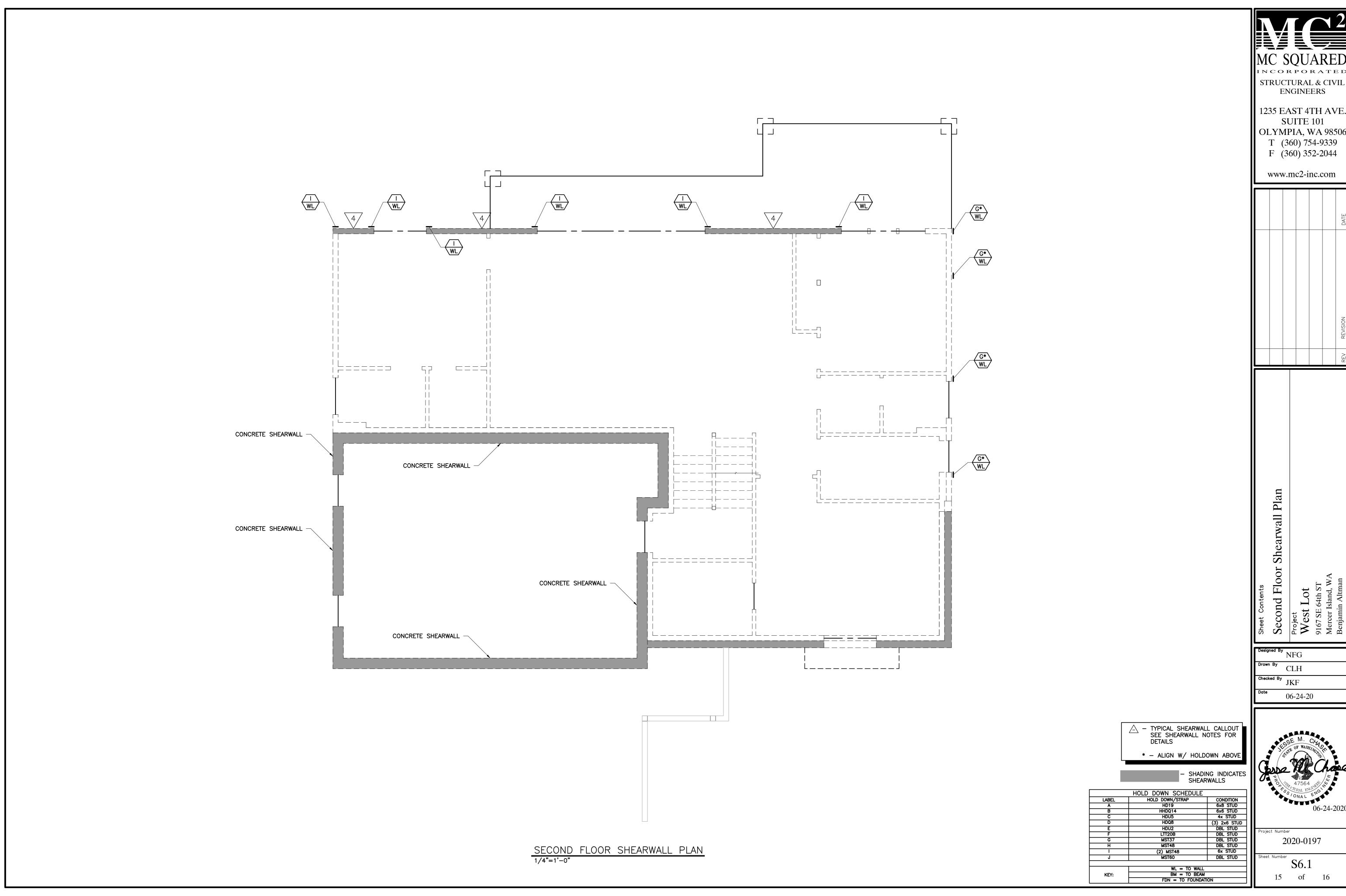






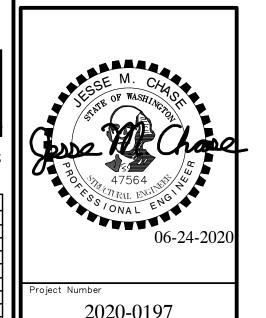


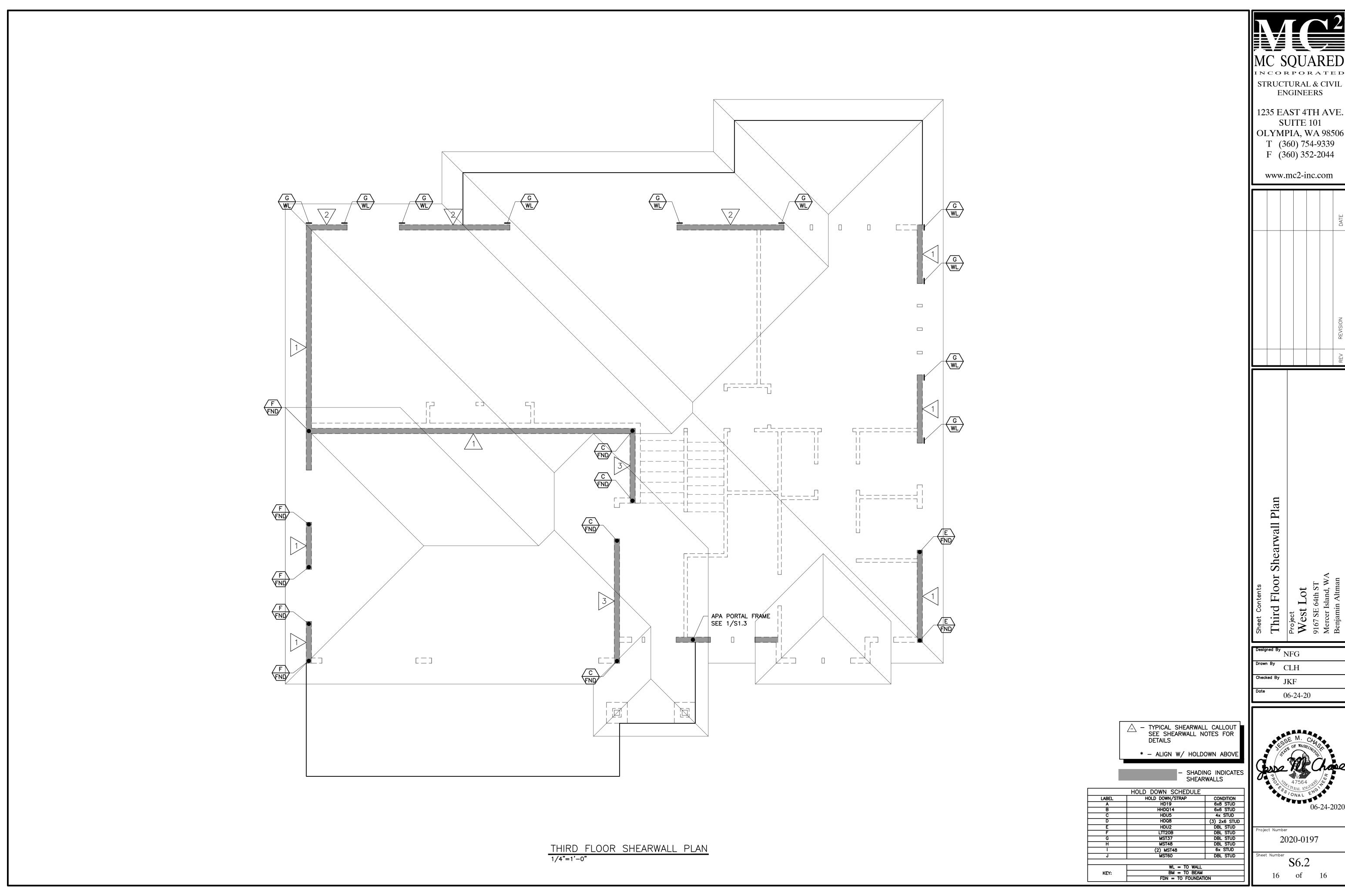




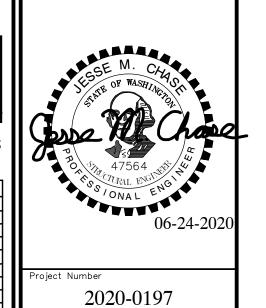
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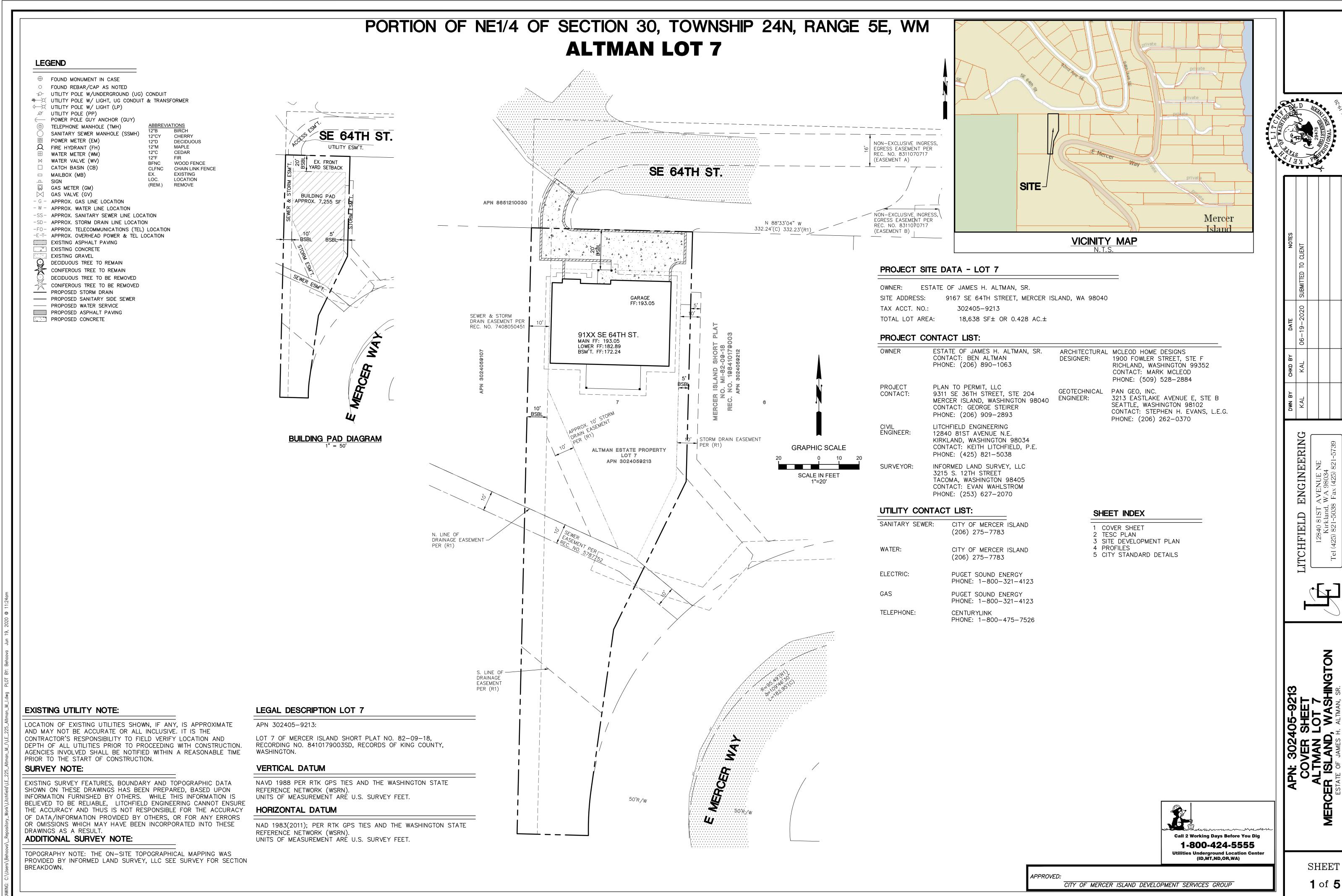
an		
Second Floor Shearwall Plan	Project West Lot	9167 SE 64th ST Mercer Island, WA Benjamin Altman
esigned By		





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JOB No.

PORTION OF NE1/4 OF SECTION 30, TOWNSHIP 24N, RANGE 5E, WM CONSTRUCTION SEQUENCE SCHEDULE **ALTMAN LOT 7 LEGEND** EXISTING STRUCTURE LEGEND A EX. STORM DRAIN CATCH BASIN ⊕ FOUND MONUMENT IN CASE RIM 227.17 EDGE EX.-TEMPORARY CONSTRUCTION ENTRANCE IE NE 224.47 8" CP ASPH. O FOUND REBAR/CAP AS NOTED (25'x20'x6" THICK QUARRY SPALLS). IE W 224.37 12" CP UTILITY POLE W/UNDERGROUND (UG) CONDUIT THE GRADED AREA ONSITE SHALL BE USED - PROTECT EXISTING TREES UTILITY POLE W/ LIGHT, UG CONDUIT & TRANSFORMER FOR CONSTRUCTION WORKER PARKING, B EX. STORM DRAIN CATCH BASIN ADJACENT TO CONSTRUCTION EQUIPMENT & MATERIALS STORAGE. PROVIDE FROM DAMAGE PER COMI IE NW 199.39 6" DIP HOG FUEL PARKING AREA. TREE PROTECTION DETAIL ← POWER POLE GUY ANCHOR (GUY) IE E 197.49 12" CP IE W 197.49 12" CP TELEPHONE MANHOLE (TMH) SANITARY SEWER MANHOLE (SSMH) 12"CY CHERRY C EX. STORM DRAIN CATCH BASIN POWER METER (EM) DECIDUOUS 12"D RIM 197.04 NON-EXCLUSIVE INGRESS, ..EX...WHEEL. 12"M MAPLE $oldsymbol{eta}$ FIRE HYDRANT (FH) IE E 191.39 12" CP EGRESS EASEMENT PER CEDAR 12"C WATER METER (WM) IE W 191.39 12" CP REC. NO. 8311070717 (EASEMENT A) WATER VALVE (WV) WOOD FENCE D EX. STORM DRAIN CATCH BASIN ☐ CATCH BASIN (CB) CHAIN LINK FENCE SE 64TH ST RIM 150.05 EDGE , FXISTING □ MAILBOX (MB) IE SW 147.90 12" CP ASPH LOC. LOCATION REMOVE E EX. STORM DRAIN INTAKE GAS METER (GM) ie 146.65 12" dip GAS VALVE (GV) CONTOUR-- G - APPROX. GAS LINE LOCATION APN 8651210030 F EX. STORM DRAIN CATCH BASIN - W - APPROX. WATER LINE LOCATION RIM 148.14 NON-EXCLUSIVE, INGRESS, -SS- APPROX. SANITARY SEWER LINE LOCATION IE S 146.54 8"DIP CONTOUR -EGRESS EASEMENT PER IE N 146.34 8"DIP -SD- APPROX. STORM DRAIN LINE LOCATION REC. NO. 8311070717 332.24'(C) 332.23'(R1) -FO- APPROX. TELECOMMUNICATIONS (TEL) LOCATION (EASEMENT B) I G EX. STORM DRAIN CATCH BASIN -E-T- APPROX. OVERHEAD POWER & TEL LOCATION TEMPORARY STOCKPILE AREA. EX. CONC. EXISTING ASPHALT PAVING IE S 145.94 8"DIP PLASTIC COVERING REQUIRED IE NW 145.84 12"CP EXISTING CONCRETE PER BMP C123 — EXISTING GRAVEL H EX. STORM DRAIN MANHOLE NOTE: GIVEN THE COMPLEXITY OF THE DECIDUOUS TREE TO REMAIN ALL DISTURBED AREAS TO BE PROJECT SITE, THE DRIVEWAY WITH THE TYPE 2 W/ RND. GRT. LID AMENDED PER BMP T5.13 CONIFEROUS TREE TO REMAIN RIM 147.12 RETAINING WALLS, PARKING AREA & GARAGE DECIDUOUS TREE TO BE REMOVED IE SE 137.42 12"CP PLATFORM TO BE CONSTRUCTED DURING THE PLANT TEMP. AND PERMANENT IE NE 137.37 12"CP CONIFEROUS TREE TO BE REMOVED INITIAL STAGES OF THE PROJECT PER THE SEEDING PER BMP C120, TYP.-IE W 134.80 12"CP? PROPOSED STORM DRAIN APPROVED PLANS. IE E 132.07 12"CP ---- PROPOSED SANITARY SIDE SEWER ---- PROPOSED WATER SERVICE J EX. STORM DRAIN INTAKE -LIMITS OF DISTURBANCE TYP. PROPOSED ASPHALT PAVING E 147.52 12" CP PROPOSED CONCRETE DRAIN EASEMENT PER K EX. STORM DRAIN CATCH BASIN REC. No. 740805045 RIM 147.97 IE E 146.67 8" DIP SILT FENCE PER BMP C233, TYPICAL IE NW 146.22 8" DIP ALONG ALL DOWNGRADIENT CLEARED AREA BOUNDARIES. EX. STORM DRAIN CATCH BASIN IE E 142.26 8" DIP IE W 142.26 8" DIP M EX. STORM DRAIN CATCH BASIN PROTECT EXISTING TREES-RIM 142.10 IE E 139.75 8" DIP ADJACENT TO CONSTRUCTION IE W 139.75 8" DIP FROM DAMAGE PER COMI TREE PROTECTION DETAIL N EX. STORM DRAIN CATCH BASIN RIM 138.40 IE E 136.05 12" DIP IE W 135.90 12" PVC REMOVE EX. TREE. TYP. SEE EXISTING TREE NOTE O EX. STORM DRAIN CATCH BASIN 16/ STORM DRAIN EASEMENT RIM 135.63 IE NE 133.23 12" PVC GRAPHIC SCALE altman estate property IE SW 133.23 12" PVC -PROTECT EXISTING TREES APN 3024059213 P EX. STORM DRAIN CATCH BASIN ADJACENT TO CONSTRUCTION RIM 135.24 FROM DAMAGE PER COMI IE NE 132.64 12" PVC TREE PROTECTION DETAIL SCALE IN FEET IE SW 132.64 12" PVC 1"=20' Q EX. STORM DRAIN CATCH BASIN RIM 133.51 IE NE 130.91 12" PVC IE S 127.56 12" CP IE NW 126.86 12" PVC R EX. STORM DRAIN OUTFALL E 110.99 12" CP DRAINAGE EASEMENT S EX. STORM DRAIN OUTFALL IE 119.56 6" PVC T EX. STORM DRAIN CATCH BASIN EX. CREEK TRAIL RIM 135.09 IE N 132.79 8" PVC IE SW 132.69 6" PVC EX. CREEK U EX. STORM DRAIN INLET RIM 107.63 36"x36" CONC V EX. SANITARY SEWER MANHOLE RIM 152.81 IE NW 145.41 8" CP IE S 145.31 8" CP W EX. SANITARY SEWER MANHOLE RIM 149.41 IE N 141.36 8" CP IE SW 141.26 8" CP X EX. SANITARY SEWER MANHOLE RIM 134.30 IE NW 126.55 10" CP S. LINE OF -IE SE 126.45 10" CP DRAINAGE EASEMENT Y EX. SANITARY SEWER MANHOLE PER (R1) [−] RIM 131.18 IE NW 125.83 10" CP IE SE 125.73 10" CP Z EX. SANITARY SEWER MANHOLE RIM 135.68 IE SE 125.73 8" CP IE NE 125.68 8" CP FLOWLINE IE NW 125.58 10" CP IE E 125.48 10" CP

A. CONDUCT PRE-CONSTRUCTION MEETING. B. FLAG OR FENCE CLEARING LIMITS. E. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR. D. INSTALL CATCH BASIN PROTECTION IF REQUIRED. E. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S) . INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).

H. GRADE AND STABILIZE CONSTRUCTION ROADS I. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT

G. CONSTRUCT SEDIMENT PONDS AND TRAPS.

J. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. K. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS. . COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, CRUSHED ROCK OR EQUIVALENT. M. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS. N. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS

O. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE

STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE

EROSION & SEDIMENT CONTROL NOTES

- 1. PRIOR TO BEGINNING EARTH DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRADING, ALL CLEARING LIMITS, EASEMENTS, SETBACKS, TREES AND DRAINAGE COURSES SHALL BE CLEARLY DEFINED AND MARKED IN THE FIELD TO PREVENT DAMAGE AND
- CONSTRUCTION VEHICLE ACCESS AND EXIT SHALL BE LIMITED TO ONE ROUTE IF POSSIBLE. ACCESS POINTS SHALL BE STABILIZED WITH QUARRY SPALLS OR CRUSHED ROCK TO MINIMIZE THE TRACKING OF SEDIMENTS ONTO PUBLIC STREETS. WHEEL WASH OR TIRE BATHS SHALL BE LOCATED ON-SITE, IF SEDIMENT IS TRANSPORTED ONTO A ROAD SURFACE. THE PAVEMENT SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY, SEDIMENT SHALL BE REMOVED FROM THE PAVEMENT BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING WILL ONLY BE ALLOWED AFTER SEDIMENT IS REMOVED IN THIS MANNER. PAVEMENT WASHING SHALL NOT OCCUR UNTIL ALL STORM DRAIN INLETS, LOCATED DOWNSTREAM OF THE WASHING AREA, HAVE BEEN PROTECTED BY PLACEMENT OF A FILTER CLOTH UNDER THE INLET GRATE.
- PROPERTIES AND WATERWAYS DOWNSTREAM FROM THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.
- PRIOR TO LEAVING THE SITE, STORMWATER RUNOFF SHALL PASS THROUGH APPROVED SEDIMENT BARRIERS OR FILTERS, DIKES, OR ANY OTHER APPROVED FACILITY INTENDED TO TRAP SEDIMENT. THESE SEDIMENT CONTROLLING MEASURES SHALL BE CONSTRUCTED AS THE FIRST STEP IN GRADING. THESE FACILITIES SHALL BE FUNCTIONAL BEFORE ANY OTHER LAND DISTURBING ACTIVITY TAKES PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE SEEDED AND MULCHED ACCORDING TO THE TIMING INDICATED UNDER ITEM 5.
- ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY THE PLACEMENT OF SOD OR OTHER VEGETATION, PLASTIC COVERING, MULCHING, APPLICATION OF BASE ROCK WITHIN AREAS TO BE PAVED, OR SOME OTHER APPROVED MEANS, TO PROTECT THE SOIL FROM THE EROSIVE FORCES OF RAINDROP IMPACT AND FLOWING WATER. FROM OCTOBER 1 THROUGH APRIL 30. NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30. NO SOIL SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. THIS CONDITION APPLIES TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT. THE SOIL STABILIZATION MEASURES SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, ESTIMATED DURATION OF USE, AND THE POTENTIAL WATER QUALITY IMPACTS THAT THE STABILIZATION MEASURES MAY HAVE ON THE DOWNSTREAM WATERS. SOIL STOCKPILES SHALL BE STABILIZED AND PROTECTED WITH SEDIMENT
- 6. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. CONSIDER SOIL TYPE AND ITS POTENTIAL FOR EROSION. REDUCE SLOPE RUNOFF VELOCITIES BY (1) REDUCING THE LENGTH OF CONTINUOUS SLOPES BY USING TERRACING AND DIVERSIONS, (2) REDUCING THE GRADE OF THE SLOPE, AND (3) ROUGHEN SLOPE SURFACE. CONTAIN DOWNSLOPE COLLECTED WATER IN PIPES OR PROTECTED CHANNELS.
- 7. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR TREATED TO REMOVE SEDIMENTS.
- 8. ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION. STABILIZATION, INCLUDING ARMORING MATERIAL, ADEQUATE TO PREVENT EROSION AT ALL DISCHARGE POINTS, ADJACENT STREAM BANKS, SLOPES AND DOWNSTREAM REACHES, SHALL BE PROVIDED.
- 9. ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF, MUST BE CONDUCTED UNDER COVER AND ON IMPERVIOUS SURFACES. THESE SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILLAGE INCIDENT. WHEEL WASH, OR TIRE BATH WASTEWATER, SHALL NOT BE DISCHARGED TO THE STORM DRAIN, OR ON-SITE STORMWATER TREATMENT SYSTEM.
- 10. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

WA D.O.E. SOIL AMENDMENT NOTES

SOIL RETENTION. RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE

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 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 REQUIREMENTS:
- 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
- CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS MEETING (A.) ABOVE: OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT



NOTES	06-19-2020 SUBMITTED TO CLIENT			
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2 of **5**

CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP

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PORTION OF NE1/4 OF SECTION 30, TOWNSHIP 24N, RANGE 5E, WM

ALTMAN LOT 7

EDGE EX.-

SPECIAL CONTRACTOR NOTES

CONTRACTOR TO INSURE THAT THE FINAL DRIVEWAY GRADE AND CATCH BASIN/YARD DRAIN ELEVATIONS ARE CONSTRUCTED TO RESTRICT ANY STORM DRAINAGE FROM LEAVING THE DRIVEWAY SURFACE.

RETAINING WALL NOTES

ALL WALL DESIGN, REINFORCEMENT, WATERPROOFING, AND RETAINING WALL DRAINAGE CONTROL PER STRUCTURAL AND ARCHITECTURAL PLANS AND SPECIFICATIONS.

INSTALL 36" HANDRAILING AS NECESSARY WHERE WALLS EXCEED 30" IN HEIGHT SEE ARCHITECT'S PLANS.

WORK WITHIN EXISTING TREE DRIPLINES NOTES

ALL TRENCHES THAT ARE EXCAVATED WITHIN TREE DRIP LINES SHALL BE EXCAVATED WITH AN AIR SPADE SO THAT UTILITY LINES CAN BE INSTALLED WITHOUT CUTTING MAJOR ROOTS. ROOTS EXPOSED IN OPEN TRENCHES MUST BE KEPT MOIST BY BEING COVERED WITH MOISTENED BURLAP UNTIL THE TRENCH CAN BE CLOSED.

ALL GRADING WITHIN THE TPZ OF THE TREES TO REMAIN SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF THE ARBORIST.

SOIL AMENDMENT NOTE THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT GEOTECHNICAL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENT SPECIFIED ON THE APPROVED PLAN

TRENCH EXCAVATION NOTES

SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

ALL SEWER AND DRAINAGE PIPES SHALL BE BACKFILLED TO 95% MDD (INTENT: TO RESTRICT SUBSURFACE DRAINAGE FROM TRAVELING ALONG THE PIPE BARREL).

SITE IMPROVEMENT NOTES

- PROVIDE SMOOTH TRANSITION FROM EXISTING IMPROVEMENTS TO NEW IMPROVEMENTS.
- RETAINING WALLS AT LOCATIONS SHOWN. FINISH, TEXTURE, JOINTS, REINF. ETC. PER ARCHITECTS & STRUCTURAL PLANS. SEPARATE BUILDING PERMIT REQUIRED IF GREATER

2 CONSTRUCT DRIVEWAY SECTION PER DETAIL SHEET 4.

- CONSTRUCT HANDRAIL PER ARCHITECT & STRUCTURAL PLANS FOR AREAS WITH GREATER THAN 2.5' DIFFERENCE
- 5 SEE LANDSCAPING PLAN BY OTHERS FOR LANDSCAPE.
- SEE ILLUMINATION PLAN BY OTHERS FOR LANDSCAPE 6 SEE ILLUMINATION PLAN BY CONTROL OF LIGHTING & ASSOCIATED APPURTENANCES.
- 7 REFUSE / RECYCLE AREA PER ARCHITECTS PLANS.
- 8 FLOWLINE OF DRIVEWAY PAVEMENT, TYP.

ONSITE AT OWNER LOCATION)

FROM WALL/PORCH TO FINISH GRADE.

- PATIOS, DRIVEWAY, PORCHES & STEPS AS SHOWN. 9 MATERIAL, FINISH, TEXTURE, ETC. PER ARCHITECTS & STRUCTURAL PLANS.
- EXISTING PARKING CURBS & PORTION OF FENCE TO BE REMOVED FOR CONSTRUCTION OF NEW ACCESS DRIVEWAY. RESTORE EXISTING LANDSCAPING & FENCE IN ADJACENT WORK AREA OFFSITE TO PRE-EXISTING CONDITION

(INCLUDING STOCKPILING FENCING & PARKING CURBS

STORM DRAINAGE NOTES

- CONNECT NEW 6" PVC TO EXISTING OUTFALL STORM DRAIN SYSTEM PER CITY OF MERCER ISLAND STDS. IF OUTFALL STORM DRAIN MAIN DOESN'T EXIST, CONSTRUCT OUTFALL STORM DRAIN TO EXISTING OUTFALL #1.
- (2) SDCO PER SD MI S-19 W/ TRAFFIC RATED LID.
- (3) SDCO PER SD MI S-19 W/ PVC CAP 6" ABOVE FINISH GRADE.
- (4) CONSTRUCT 4"Ø PERF. PVC FOOTING DRAIN.
- CATCH BASIN TYPE 2-54"Ø W/ SOL. LOCKING LID & RESTRICTOR PER
- (5) CITY OF MERCER ISLAND ON-SITE DETENTION SYSTEM WORKSHEET DETAIL. SEE DETENTION SYSTEM WORKSHEET, PLAN & PROFILES SHEETS 3 & 4.
- (6) CONSTRUCT 6"Ø PVC OUTFALL STORM DRAIN SYSTEM.
- CONNECT FOOTING DRAIN TO TIGHTLINE TO OUTFALL STORM SYSTEM 1' MIN. LOWER THAN LOWEST FOOTING DRAIN.
- CONSTRUCT 6"Ø PVC ROOF DRAIN COLLECTOR @ S=1.00% MIN. 8 CONSTRUCT 6 10 PVC ROOF DIVAIN COLLEGIST.

 ALL ROOF DRAINAGE TO BE CONVEYED TO THE DETENTION SYSTEM
- 9 PRIVATE YARD\AREA DRAIN SEE DETAIL SHEET 4.
- (10) DOWNSPOUT LOCATIONS PER ARCHITECT'S PLANS.
- (11) FOOTING DRAIN TO BYPASS DETENTION SYSTEM.
- STORM DRAIN CLEANOUT 100 FEET MAXIMUM BETWEEN
- PROVIDE DIP PIPE SLEEVE FOR PENETRATIONS THROUGH WALLS AS REQUIRED. COORDINATE LOCATIONS W/ STRUCTURAL PLANS. SLEEVE TO BE ONE PIPE SIZE LARGER THAN DESIGN PIPING SIZE
- REPLACE EXISTING PATHWAY GRAVEL AT TRAIL CROSSING PER COMI STANDARDS IF OUTFALL STORM DRAIN MAIN DOESN'T EXIST.

ARCHITECTURAL & STRUCTURAL NOTES

- 1. THESE PLANS ARE APPROVED FOR STANDARD ROAD AND DRAINAGE IMPROVEMENTS ONLY. PLANS FOR STRUCTURES SUCH AS RETAINING WALLS REQUIRE A SEPARATE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- SPECIAL INSPECTIONS FOR STRUCTURAL ASPECTS OF OF THE PROJECT MAY BE REQUIRED DURING VARIOUS STAGES OF THE PROECT. CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION AND OBTAINING INSPECTIONS WHEN AND WHERE NECESSARY.
- 3. SEE ARCHITECTURAL PLANS FOR BUILDING SECTIONS AND ALL LOCATIONAL/DIMENSIONAL ASPECTS OF BUILDINGS.
- 4. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL BUILDING AND RETAINING WALL DETAILS.
- COORDINATE ALL SITE CIVIL CONSTRUCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL/PLUMBING AND LANDSCAPE PLANS

SITE IMPROVEMENT NOTES

- PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO THE CITY PRIOR TO THE PRE-CONSTRUCTION MEETING.
- THESE PLANS ARE APPROVED FOR GRADING, DRAINAGE, AND UTILITY IMPROVEMENTS ONLY. PLANS FOR STRUCTURES REQUIRE A SEPARATE REVIEW AND APPROVAL
- RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT REQUIRE A SEPARATE BUILDING PERMIT.
- FILL MATERIAL PLACED UNDER BUILDING FOUNDATIONS OR PAVEMENT SHALL BE CRUSHED BASE ROCK OR COMPACTED
- ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS.
- THIS PLAN DOES NOT SHOW THE LOCATION OF ALL EXISTING UTILITIES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR SHALL EXPOSE ALL EXISTING PIPING THAT WILL BE CONNECTED TO WITH NEW PIPING. DEPTH, LOCATION, AND
- CONDITION SHALL BE RELAYED TO THE ENGINEER IF CONDITIONS VARY SIGNIFICANTLY FROM WHAT IS DETAILED OR ANTICIPATED. 8. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE TO DETAILS AND SPECIFICATIONS OF CITY STANDARDS. ALL

CONSTRUCTION DEBRIS GENERATED DURING CONSTRUCTION TO BE REMOVED & DISPOSED OF AT AN APPROVED LOCATION OFF

- 9. ALL CUT MATERIAL GENERATED DURING THE PROJECT THAT IS NOT ACCEPTABLE FOR USE AS COMPACTED FILL MATERIAL AT
- ANOTHER LOCATION ON-SITE MUST BE HAULED TO AN APPROVED LOCATION OFF-SITE.

STORM DRAIN GENERAL NOTES

- 1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- BEFORE ANY CONSTRUCTION MAY OCCUR, THE CONTRACTOR SHALL HAVE PLANS WHICH HAVE BEEN SIGNED AND APPROVED BY IHE CITY OF MERCER ISLAND PUBLIC WORKS DEPARTMENT, OBTAINED ALL CITY, COUNTY, STATE, FEDERAL AND OTHER REQUIRED
- ALL STORM DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MERCER ISLAND PUBLIC WORKS PRE-APPROVED PLANS AND POLICIES AND THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
- 4. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL, ALL CHANGES SHALL BE SUBMITTED TO THE
- 5. A COPY OF THE APPROVED STORM WATER PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 6. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SIMILARLY STABILIZED TO THE SATISFACTION OF THE CITY OF MERCER ISLAND DEPARTMENT OF PUBLIC WORKS FOR THE PREVENTION OF ON-SITE EROSION AFTER THE COMPLETION OF
- 7. MINIMUM COVER OVER STORM DRAINAGE PIPES IN ROW OR VEHICULAR PATH SHALL BE 18 INCHES, UNLESS OTHER DESIGN IS
- 8. CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD
- 9. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
- 11. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE DEVELOPMENT ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
- 12. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 811. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- 13. OPEN CUT ROAD CROSSINGS FOR UTILITY TRENCHES ON EXISTING TRAVELED ROADWAY SHALL BE BACKFILLED ONLY WITH 5/8" MINUS CRUSHED ROCK AND MECHANICALLY COMPACTED (UNLESS OTHERWISE APPROVED BY THE CITY). CUTS INTO THE EXISTING ASPHALT SHALL BE NEAT LINE CUT WITH SAW OR JACKHAMMER IN A CONTINUOUS LINE. A TEMPORÁRY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. A PERMANENT HOT MIX PATCH SHALL BE PLACED WITHIN 30 DAYS AND SHALL BE A MINIMUM OF 1" THICKER THAN THE ORIGINAL ASPHALT WITH A MINIMUM THICKNESS OF 2".
- 14. ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE CITY CONSTRUCTION INSPECTOR BEFORE PROJECT APPROVAL AND/OR THE RELEASE OF THE PROJECT'S PERFORMANCE BOND.
- 15. GROUT ALL SEAMS AND OPENINGS IN ALL INLETS, CATCH BASINS, AND MANHOLES.

WATER NOTES

- 1-1" WATER SERVICE PER SD MI W-13. METER/SERVICE SIZE PER WATER SYSTEM BUILDING PLANS BY PLUMBING/MECHANICAL DESIGNER. SET WATER SERVICE LINE AT 3' FROM EDGE OF PAVING.
- SAWCUT, REMOVE & PATCH EXISTING PAVEMENT PER CITY OF MERCER ISLAND REQUIREMENTS IN RIGHT-OF-WAY AT TRENCH CROSSING PER COMI STANDARDS.
- RESTORE DISTURBED LANDSCAPE AREAS TO PRE-EXISTING CONDITION OR BETTER TO THE SATISFACTION OF THE PROPERTY OWNER.
- EXISTING UG ELECTRICAL, COMM. & GAS LINES IN WORK AREA. (4) CONTRACTOR TO COORDINATE CONSTRUCTION OF WATER SERVICE LINE & PROTECT ELECTRICAL, COMM. & GAS LINES FROM ANY DAMAGE.

SANITARY SEWER NOTES

- CONNECT NEW 6" SIDE SEWER TO EXISTING SANITARY SEWER SYSTEM STUB PER COMI STANDARDS. VERIFY LOCATION &
- $\langle 2 \rangle$ REPLACE EXISTING PATHWAY GRAVEL AT TRAIL CROSSING PER COMI STANDARDS. RESTORE DISTURBED LANDSCAPE AREAS TO PRE-EXISTING CONDITION OR BETTER TO THE SATISFACTION OF THE PROPERTY OWNER.
- 3 SSCO PER SD MI S-19 W/ PVC CAP 6" ABOVE FINISH
- (4) CONSTRUCT 6" SANITARY SIDE SEWER AT S=0.0200'/' MINIMUM TO BUILDING. SEE SANITARY SEWER SYSTEM BUILDING PLANS BY PLUMBING DESIGNER CONFIRM LOCATION
- $\langle 5 \rangle$ CONSTRUCT TEMP. CAP FOR FUTURE BUILDING CONNECTION.



CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP

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EXISTING STRUCTURE LEGEND A EX. STORM DRAIN CATCH BASIN $H \mid EX$. STORM DRAIN MANHOLE RIM 135.63 TYPE 2 W/ RND. GRT. LID IE NE 224.47 8" CP IE W 224.37 12" CP IE SE 137.42 12"CP IE NE 137.37 12"CP B EX. STORM DRAIN CATCH BASIN IE W 134.80 12"CP? RIM 135.24 RIM 201.34 IE E 132.07 12"CP IE NW 199.39 6" DIP J EX. STORM DRAIN INTAKE IE E 197.49 12" CP IE W 197.49 12" CP IE 147.52 12" CP C EX. STORM DRAIN CATCH BASIN K EX. STORM DRAIN CATCH BASIN IE E 191.39 12" CP ie e 146.67 8" dip IE W 191.39 12" CP IE NW 146.22 8" DIP D EX. STORM DRAIN CATCH BASIN EX. STORM DRAIN CATCH BASIN RIM 150.05 RIM 144.86 IE 110.99 12" CP IE SW 147.90 12" CP IE E 142.26 8" DIP IE W 142.26 8" DIP E EX. STORM DRAIN INTAKE IE 119.56 6" PVC M EX. STORM DRAIN CATCH BASIN IE 146.65 12" DIP EX. STORM DRAIN CATCH BASIN RIM 142.10 RIM 135.09 F EX. STORM DRAIN CATCH BASIN IE E 139.75 8" DIP RIM 148.14 IE N 132.79 8" PVC IE W 139.75 8" DIP IE S 146.54 8"DIP IE SW 132.69 6" PVC √ EX. STORM DRAIN CATCH BASIN IE N 146.34 8"DIP EX. STORM DRAIN INLET

RIM 138.40

IE E 136.05 12" DIP

IE W 135.90 12" PVC

EX. STORM DRAIN CATCH BASIN

RIM 148.34

IE S 145.94 8"DIP

IE NW 145.84 12"CP

EX. STORM DRAIN CATCH BASIN V EX. SANITARY SEWER MANHOLE IE NE 133.23 12" PVC IE SW 133.23 12" PVC IE S 145.31 8" CP W EX. SANITARY SEWER MANHOLE EX. STORM DRAIN CATCH BASIN RIM 149.41 IE NE 132.64 12" PVC IE N 141.36 8" CP IE SW 132.64 12" PVC IE SW 141.26 8" CP EX. STORM DRAIN CATCH BASIN EX. SANITARY SEWER MANHOLE IE NE 130.91 12" PVC IE NW 126.55 10" CP IE S 127.56 12" CP IE SE 126.45 10" CP IE NW 126.86 12" PVC $\overline{\,\,\,\,\,}$ EX. SANITARY SEWER MANHOLE REX. STORM DRAIN OUTFALL RIM 131.18 IE NW 125.83 10" CP IE SE 125.73 10" CP S EX. STORM DRAIN OUTFALL Z EX. SANITARY SEWER MANHOLE RIM 135.68

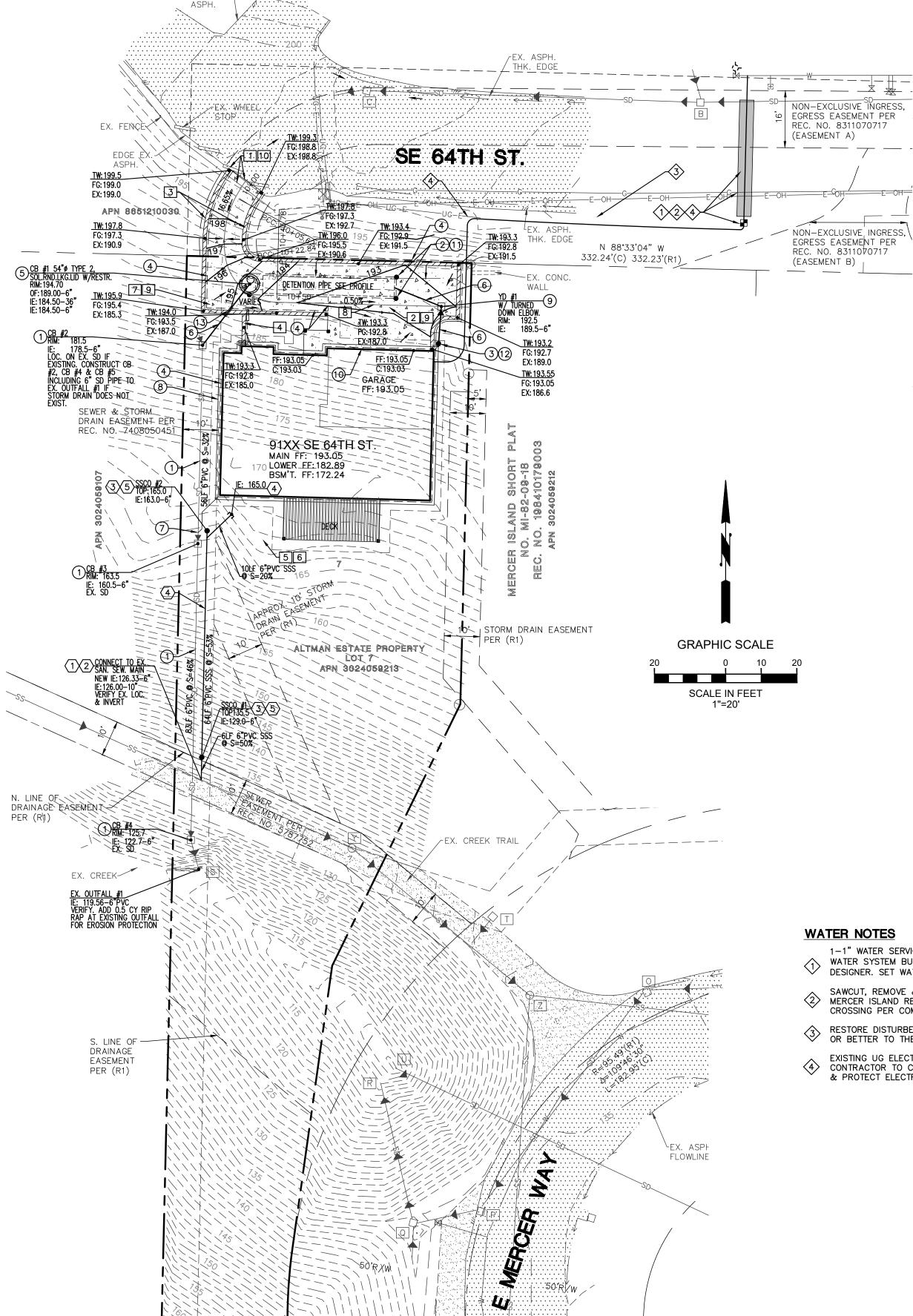
RIM 107.63 36"x36" CONC

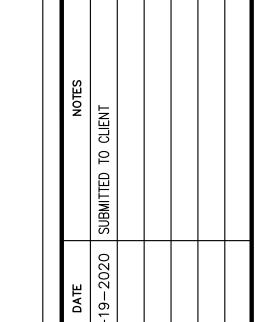
IE SE 125.73 8" CP

IE NE 125.68 8" CP

IE NW 125.58 10" CP

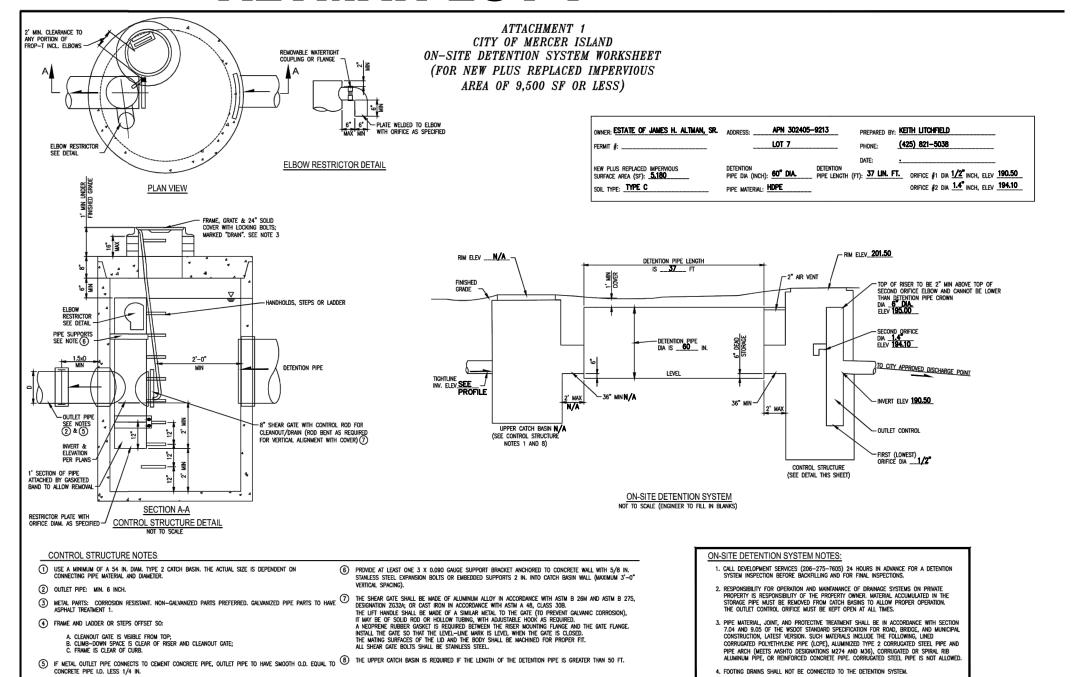
IE E 125.48 10" CP



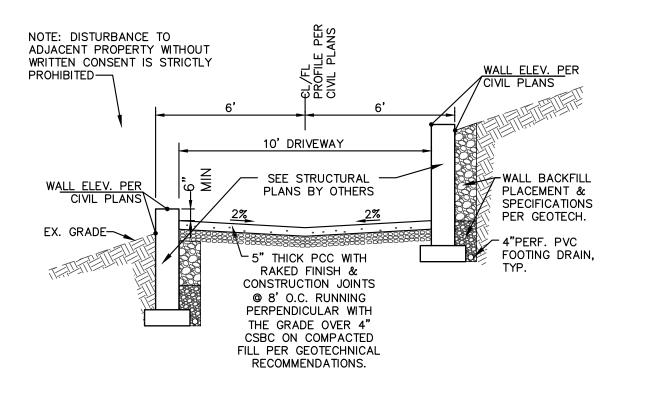


JOB No.

PORTION OF NE1/4 OF SECTION 30, TOWNSHIP 24N, RANGE 5E, WM **ALTMAN LOT 7**

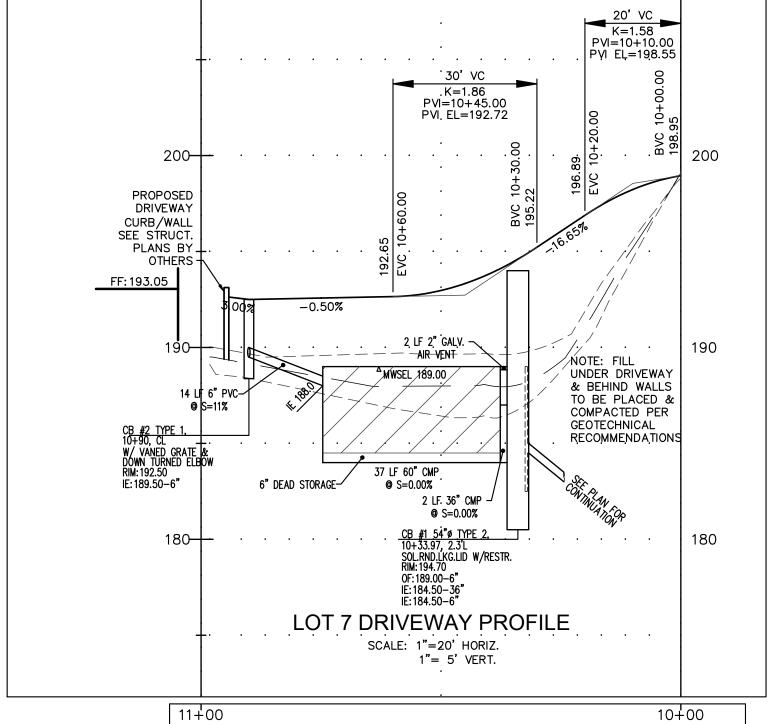


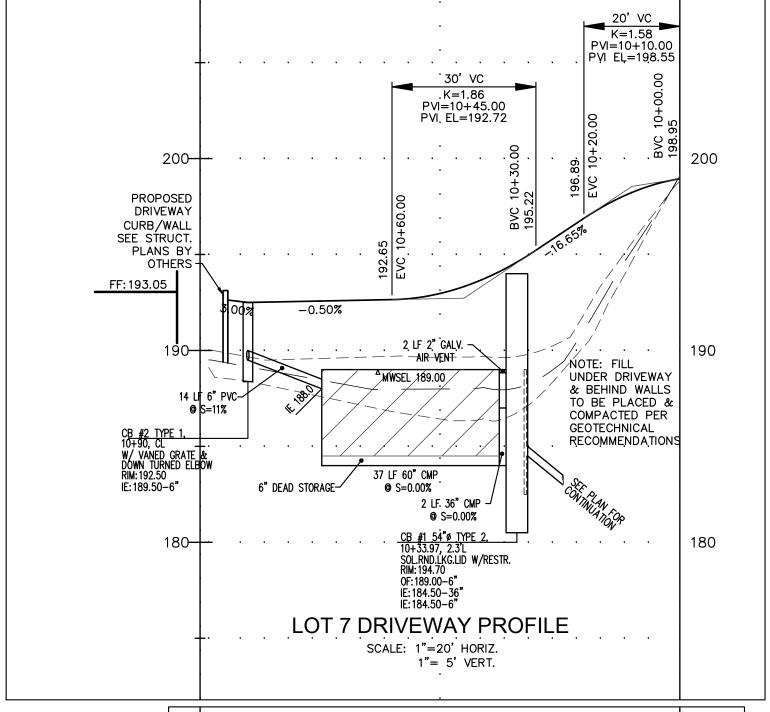
4. FOOTING DRAINS SHALL NOT BE CONNECTED TO THE DETENTION SYSTEM.



D/W SECTION

LOOKING SOUTHERLY & WESTERLY N.T.S





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CITY OF MERCER ISLAND DEVELOPMENT SERVICES GROUP

JOB No.

EERIN

ENGIN]

LITCHFIELD

SHEET

4 of **5**

CAST IRON GRATE (SOLID ROUND COVER

APPROVE.

LID IN DRIVEWAY

NOTES:

1. AREA DRAIN TO BE 18" (MIN) DIAM. AND LOCATED AT THE LOW POINTS. TOP OF

2. OTHER MATERIALS AND DRAIN TYPES MAY BE ACCEPTABLE. ENGINEER TO

3. BACKFILL WILL BE COMPACTED USING NATIVE OR SELECTED MATERIAL.

MOTARED AND MADE FLUSH WITH INSIDE

5. AREA DRAIN IN DRIVEWAY TO BE FITTED

WITH A REMOVABLE TURNED DOWN ELBOW (W/ 1/4" GALV. SCREEN FASTENED

WALL. INTENT: TO PROVIDE A WATER

DRAIN TO MATCH FINAL GRADE.

4. CONNECTION TO DRAIN TO BE

TO ELBOW) FOR OIL/WATER AND

FLOATABLÉ MATERIAL SEPARATION.

PROVIDE TRAFFIC RATED SOLID ROUND

WHERE CALLED OUT IN PLANS)

~ REMOVABLE

TURNED DOWN ELBOW

CALLED OUT SEE NOTE 5

<u>S=1% MIN.</u>

FINISHED GRADE —

PLAIN CONCRETE PIPE

OR APPROVED EQUAL—

S=1% MIN.

NATIVE SOIL OR -

STRUCTURAL FILL AREA DRAIN

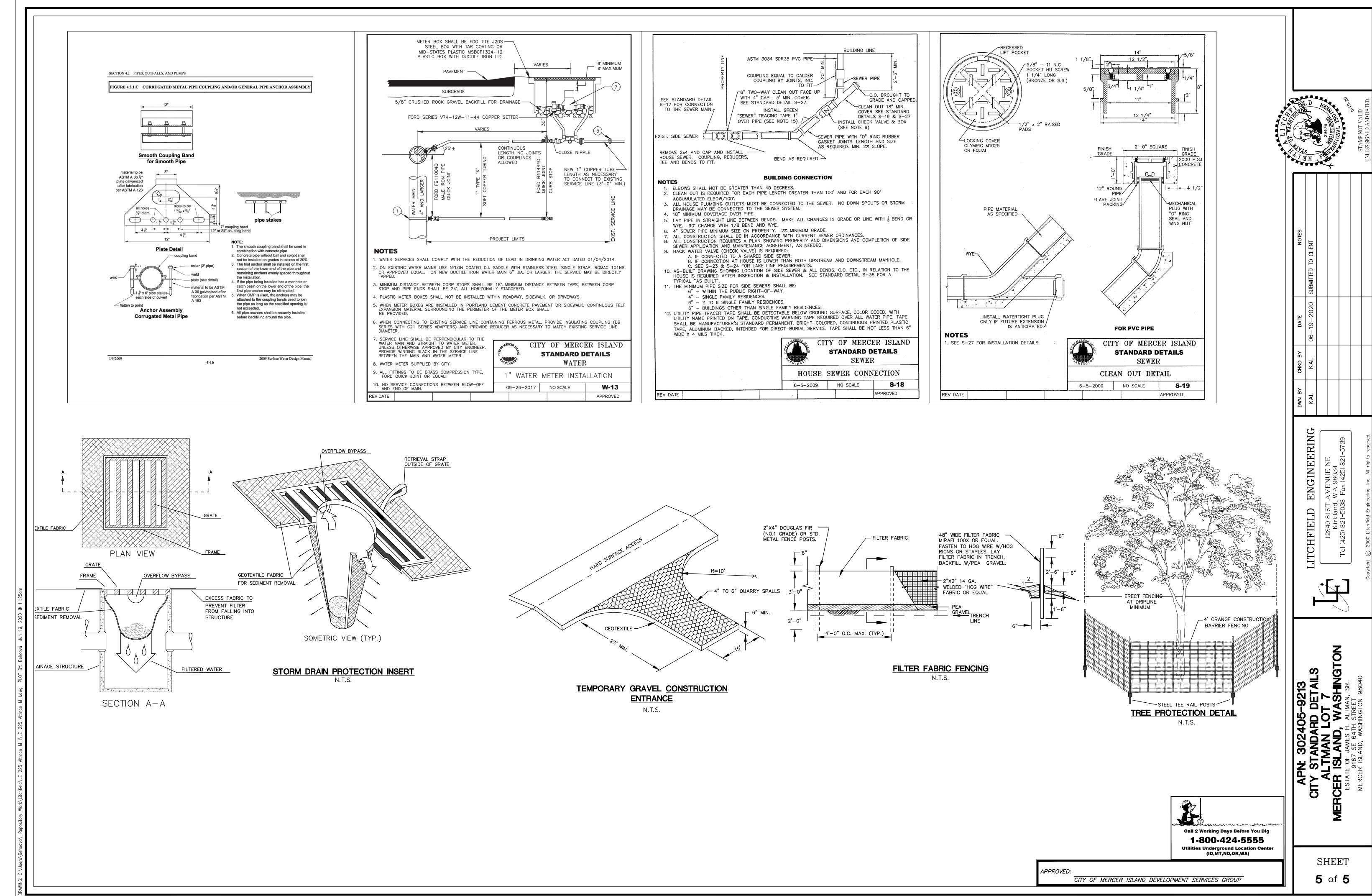
LOOKING SOUTHERLY & WESTERLY N.T.S

OUTLET PIPE PER-

POURED IN-PLACE

CONCRETE OR

PRE-CAST PLUG



JOB No.