CITY OF MERCER ISLAND	INSPECTION REQUESTS:		OJECT ALERTS:	
DEVELOPMENT SERVICES GROUP	online:			eviation from the approved project plans is allowed without prior
9611 SE 36TH STREET MERCER ISLAND, WA 98040	MyBuildingPermit.com		oval from the City of Mercer Island. Approved plans must be ke	pt on site and maintained in good condition. suance for required construction rules and regulations, including:
PHONE: 206.275.7605 www.mercergov.org			Site Considerations ROW restriction	ons
ASHINGS	voicemail: (206) 275-7730	١Ľ	Hours of Work Orainage Requ Construction Vehicle Parking Restrictions Sewer Require	
MIGHIAN			Acess Road Requirements Water Service	Requirements • Tree Requirements
NOTE: ALL RECORDS AND DRAWINGS ARE SUBJECT TO PUBLIC D			Refer to "Preconstruction Meeting Checklist" provided at the p Temporary site address with minimum 6" high numbers visible	preconstruction meeting for development related requirements.
CONTACT INFORMATION:	SCLOSORE AS REQUIRED BT RCW 42.50		Erosion control measures must be as shown on approved proje	ect drawings. All erosion control is to be in place and inspected
			prior to the start of any site work. A City of Mercer Island Business License is required for all subc	contractors. Call (206) 275-7783 for more information.
Applicant Contact information prior to permit issuance: App	licant Contact information post permit issuance:	TRE	E PROTECTION REQUIREMENTS:	
Name: Armada Design & Build Nam	ne: Armada Design & Build		Tree protection as shown on approved drawings shall be instal	lled at tree dripline prior to start of any site work and
Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Add			must remain in place throughout the project. No trees shall be cut without a City of Mercer Island tree perm	14 · · · · · · · · · · · · · · · · · · ·
Address: 12/2/ Nottrup way Ste 6, Bellevue, WA 98005 Add			Replacement trees must be a minimum of six feet tall at install	lation. They must be planted and approved prior to final inspection.
Phone: (425) 558-9400 Pho	ne: <u>(206)</u> 423-3209		For this project, N/A trees are authorized to be removed	d and replaced with N/A trees. Contact Federal Fish and Wildlife at (360) 534-9304 or visit their
Email: khushboo@armadabuild.com Ema	ii: derek@armadabuild.com		website at http://www.fws.gov/pacific/eagle	contact rederal rish and whome at (560) 554-5504 of visit them
Applicant is to complete the following information. Applicant is to complete the following information. Applicant Contact information prior to permit issuance: Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste 6, Bellevue, WA 98005 Address: 12727 Northup Way Ste			E PROTECTION REQUIREMENTS:	
REQUIRED SPECIAL INSPECTIONS / STRUCTURAL It is the Engineer of Record's responsibility to specify all required Special Ir				ore information, see http://www.mercergov.org/Page.asp?NavID=2614
The owner is responsible for hiring an approved private Special Inspector f			Fire Sprinkler	
 Inspectors (except Geotechnical) must be WABO certified. When Special Inspection or Structural Observation is required, the report sha 	all be submitted to the City Building Inspector prior to the City		Plus	Monitored Sprinkler
Inspection. Note: Inspection by the City Inspector is required in addition to			Plus InFPA 13R Approved Fire Code Alternatives:	Water Flow Alarm
below. Do not cover or conceal any work prior to the City inspection.			Approved Fire Code Alternatives:	
STRUCTURAL OBSERVATION BY ENGINEER OF RECORD (EOR):			FCA1	FCA3
Engineer of Record: Company:			□ FCA2	FCA4
	0ther:	10/0	TER SUPPLY REQUIREMENTS:	
SOILS / GEOTECHNICAL: Special Inspector: Company:	Phone:			• · · · · · · · · · · · · · · · · · · ·
Erosion control measures	ubsurface drainage placement		Fire sprinkler design calculations must be provided prior to de Water Supply system upgrade required	termining water supply system requirements.
	erify fill material and compaction		City Installation. Applicant Installation.	
Verification of soil bearing	ockery installation ile placement (auger cast/driven pile)		Required Service Line Size: N/A Required Supply L	ine Size: 1-1/4" Required Meter Size: N/A
	Uther:		(water main to meter) (water main to ho	
REINFORCED CONCRETE:			Abandonment of existing service and meter required at main. Pressure reducing valve required if pressure exceeds 80 psi.	
Special Inspector: Company:		Ī	Reduced pressure backflow assembly (RPBA) required for all lo	ots with waterfront or non-city water supply (private wells
Concrete strength Reinforcing steel and concrete placement P	etaining wall construction		or lake irrigation). Additional water supply requirements: Minimum 1.25" water su	pply line to be verified by City Inspector prior to final (meter to house)
Shotcrete placement 0	Other:	E DR	AINAGE REQUIREMENTS:	,,
0 <u>Other:</u>)ther:			Direct discharge into the lake
STRUCTURAL STEEL: (AISC 260, Chapter N)			On site detention system required On site infiltration system required As-built Utility drawings required	No Storm Water permit required
Special Inspector:Company:Company:Company:	Phone: Noment Frame construction		As-built Utility drawings required	Connection to public storm drainage conveyance system req'd.
Structural steel erection, field welds and bolting	Other:		E SEWER REQUIREMENTS:	
0 <u>Other:</u>	Ither:			the lake line or when the elevation of the lowest plumbing fixture is
STRUCTURAL MASONRY: Special Inspector: Company:	Phone:		lower than the elevation of the upstream manhole rim or whe	n side sewer is shared with one or more properties.
	lass unit masonry installation		Video tape of existing sewer required (see standard details) New connection. Image: Connect to existing.	Disconnect permit required. 🔲 Reconnect permit required.
Masonry unit strength	Vall panel and veneer installation		Other:	
□ <u>Other:</u> □ <u>O</u> <u>O</u> <u>Other:</u> □ <u>O</u>	Dther:		Note: When side sewer is to be connected to the lake line you Mercer Island Maintenance Department at (206) 275-78	u will need to schedule three (3) days in advance with the City of 800.
		API	PROVED CODE ALTERNATIVES:	
WOOD: Special Inspector /		Code	alternatives must be Inspected. Refer to the Inspection Checkli	
Engineer of Record: Company:	Phone:		CA1:	_ CA2:
	ligh strength diaphragm construction			
OTHER SPECIAL INSPECTIONS:				
Special Inspector: Company:	Phone:		RVEY REQUIREMENTS (The following survey inform	ation must be submitted when checked):
Epoxy grout installations	tucco installation		eyor shall verify points chosen for height calculations and point action. A property survey may be required to verify setbacks and	verification shall be submitted at the time of City foundation d in some cases buildings must be surveyed onto the lot. The City
	nfiltration System xterior Insulation Finish System (EIFS) installation		rves the right to request an impervious area survey at any time i	
Alternative construction methods:	Other:	Su	rveyor:	Phone:
Alternative construction materials:	lther:		 Building height survey Building setback survey 	
The Applicant is required to select all deferred submittals / shop drawings	for submitted to the City for review and approval prior to item		Impervious surface survey	
fabrication / construction.	to submittar to the city for review and approval provide to item			
	ost tension layout		A Building Inspection prior to demolition is required for all	legally nonconforming single family dwelling to ensure no more than
	xterior cladding Vindow wall / curtain wall construction		40 percent of the dwelling's exterior walls are structurally a	altered. Contact the Building Inspector at (206) 275-7730.
Precast concrete elements O	Other:	GE	OTECHNICAL INFORMATION:	Eur / Secondarrequirements
	ither:		clearing, grading, filling and foundation work within geologic ha	azard areas is NOT PERMITTED between October 1 and April 1
ENERGY CODE COMPLIANCE INFORMATION:	exectively, incorporate or include the Beridential Energy Code		out an approved Seasonal Development Limitation Waiver.	
Other: 0 ENERGY CODE COMPLIANCE INFORMATION: Indicate where the following information is located in the drawing set. Indicate where the following information is located in the drawing set. Building envelope: wsrc take ALL1 (include Unfactors, insulation and moisture control) Whole house ventilitation: sectawates (include ventilitation: sectawates) Dergy Credit Information: sectawates (include specific, written requirements) RECPC Form Information: sectawates (include specific, written requirements) RECPC Form Information: sectawates (include sectawate) Implement equipedicates and englicitations of	emanyery, incorporate or include the Residential Energy Code	ا ب	Geotechnical Report provided. All construction must comply w report and other geotechnical information must be kept on sit	vith the recommendations of the Geotechnical Report. A copy of te at all times.
General Sheet:		DSG		
Building envelope: wsrc Table 402.1.1 A3.01	Air Leakage Testing	>I	Geotechnical Engineer ASONAL DEVELOPMENT LIMITATION RESTRICTION:	Phone
(include U-factors, insulation and moisture control)	Air Leakage Testing. INC Socion RAG2.4.1.2 WA Anendment V Provide air leakage test report verifying air leakage rate		Applies (Geologic Hazard area). Grading not permitted betwee	
Whole house ventilation: WC Section M1507 WM Anemated (include ventilation option and duct sizing if applicable) A3.01	does not to exceed 5 air changes per hour. Duct Leakage Testing. wscaws22	Ē	Waiver approved. Grading and excavation permitted subjection Waiver Permit.	ect to all conditions noted in Seasonal Development
Include ventilation option and duct sizing if applicable)	Postconstruction Test. WITCHID2222	리		
Cinclude specific, written requirements)	Rough-in Test. WSEC R403.2.2.3		Permit number	Approved by Date
O RECPC Form Information: A3.01 (if incorporated within drawing set) (if a corporated within drawing set) (if a corporated within drawing set)		ŭ		
http://www.mercergov.org/lifes/2012ResidentialEnergyCakForm.pdf		BE		
2		<u>و</u> ل		
FILE NAME: DSG CVR 2016 24x36.PDF				

BE COMPLETED BY DSG	REQUIRED CONSTRUCTION INSPECTIONS: It is the applicant's responsibility to contact DSG to schedule ALL inspections appropriate for the project. Request inspections online at www.MyBuildingPermit.com or by calling the inspection Hotline at (206) 275-7730. Allow at least 24 hours (48 hours for Reinforcing steel) in advance of desired inspection. Be specific as to type of inspection. Inspector shall initial and date appropriate inspection only if approved. Note: Items marked with an "•" require a separate permit. It is the applicants responsibility to apply for and obtain all City of Mercer Island permits. INSPECTIONS: Useden over of typical sequencing Inspector ball Pere-construction Meeting to Review Conditions of Permit Approval. The protection Errosion control Errosion control Errosion control		PERMIT NUMBER 2203-201
10		ERTIFICATE OF OCCUPANCY Issued after all required inspections have been performed and approved.	Date
	Boof and footing drains Goundation damproofing Storm drainage, including (but not limited to): Connections to storm Connections to storm Conveyance piping / cleanouts Detention systems Control structures / manboles Control structures / manbo	CERTIFICATE (Issued after all requir performed	Approved
TO BE COMPLETED BY DSG	Side sewer installation, including (but not limited to): • Back-flow valves	VIN RESIDENCE	87th Ave SE
	Final Inspection: Tree Restoration Tr Final Inspection: Fire Protection. including (but not limited to): Sprinkler * Sprinkler * Fire Extinguishing System Fire Extinguishing System Fire Code Alternatives (see below) Fire Extinguishing System Fire Extinguishing System FCA2: FCA2: Final Inspection: Water supply protection. including (but not limited to) backflow devices for: Water front property Fire / lawn sprinkler Fire for a shull drawings ready for submittal. Fire for a shull drawings ready for submittal. Final Inspection: Building alternary letters from Engineer. Special Inspectors. Geotechnical Engineer, and exterior wall clading inspectors (EIFS).	PROJECT BALDW	PROJECT ADDRESS: 4215 8
BE COMPLETED BY DSG	90 DAY TEMPORARY CERTIFICATE OF OCCUPANCY (TCO): Applicant option. Additional fees will be required and must be approved prior to occupancy. TCO requires tree plantings be completed. Approved Start Date ADDITIONAL REQUIRED CITY INSPECTIONS: Call the appropriate contact to arrange the inspection. Required Inspection prior to framing final of (N) long span PSUs. Verify hardware install and bearing to foundation. IMPACT FEES: If applicable. PLAN REVIEW APPROVALS:	APPROVED DRAWINGS MUST BE KEPT ON THE BUILDING SITE AT ALL TIMES REVIEWED FOR CODE COMPLIANCE	<u>2/27/23</u>
TO BE C	Impact fees apply and are due <i>prior</i> to Final Inspection or on <u>Date</u> , whichever occurs first. <u>Date</u> , whichever occurs first. <u>Date</u> <u>Impact fees apply and are due <i>prior</i> to Final Inspection or on <u>Building</u> <u>Date</u> <u>Date</u> <u>Tree</u> <u>Fine</u> <u>F</u></u>	APPRO ON TH REVIE	JHA Approved

BALDWIN RESIDENCE

PROJECT INFORMATION PROJECT ADDRESS: 4. OWNER: B JURISDICTION: M PARCEL #: 3 4215 87th Ave SE, Mercer Island, WA 98040 BALDWIN TYLER+ELLISSA MERCER ISLAND 362250-0115

ZONING:

LEGAL DESCRIPTION: ISLAND CREST ADD Pliat Block: 1 Pliat Lot: 23 R-9.6



Monitored Fire Alarm System Required System must meet NFPA 72 Chapter 29 specifications and be approved by the CoMI Fire Marshal. <u>Separate Permit Required</u>.

VICINITY MAP

0 9

ARMADA LESIGN & BUILD (425)558-400 15600 NE SS, Suile G-2. Believue, WA 98008

	SHEET INDEX
A0.00	COVER SHEET
A0,01	SITE PLAN
A1.00	BASEMENT EXISTING
A1.01	FIRST FLOOR EXISTING
A1.02	FIRST FLOOR DEMO
A1.03	FIRST FLOOR PROPOSED
A1.04	SECOND FLOOR EXISTING
A1.05	SECOND FLOOR DEMO
A1.06	SECOND FLOOR PROPOSED
A1.07	REFLECTED CEILING PLANS
A1.08	ROOF PLANS
A2,00	EAST ELEVATIONS
A2,01	NORTH + SOUTH ELEVATIONS
A2.02	WEST ELEVATION
A2.03	ENLARGED DRAWINGS
A3.00	SCHEDULES
A3.01	ENERGY CODE
A3.02	DETAILS



PROPERTY INFROMATION

PROJECT ADDRESS: OWNER: JURISDICTION: PARCEL #:	4215 87th Ave SE, Mercer Island, WA 98040 BALDWIN TYLER+ELLISSA MERCER ISLAND 362250=0115
LEGAL DESCRIPTION:	ISLAND CREST ADD Plat Block: 1 Plat Lot: 23
WATER:	WATER DISTRICT
SEWER:	PUBLIC
YEAR BUILT:	1963

SCOPE OF WORK

REMODELLING KITCHEN & DINING IN FIRST FLOOR IN ADDITION TO ADDING NEW ENTRANCE IN THE FRONT, REMODELLING SECOND FLOOR.

ZONING

ZONING DESIGNATION:	R-9.6
FRONT YARD SETBACK:	20'
SIDE YARD SETBACK:	17% OF LOT WIDTH = 17.85' TOTAL
REAR YARD SETBACK:	25'
MAX BUILDING HEIGHT:	30'
MAX LOT COVERAGE:	40%
MAX HARDSCAPE:	9%

LOT COVERAGE

MAX LOT COVERAGE: 40% EXISTING COVERAGE AREA COVERAGE BY BUILDING 3,611 sqft (INCLD, ROOF EAVES & GUTTERS): DRIVEWAYS: 1,618 sqft LOT AREA: 14,208 sqft TOTALCOVERAGE: 5,229 sqft = PROPOSED COVERAGE 1,618 sqft 14,280 sqft 5,229 sqft = 36.6% PROPOSED COVERAGE
 AREA COVERAGE BY BUILDING 3,807 sqtt (INCLD, ROOF EAVES & GUTTERS):

 DRIVEWAYS:
 1,512 sqtt

 DOTAL COVERAGE:
 5,319 sqtt =
 1,512 sqft 14,280 sqft 5,319 sqft = 37%

HARDSCAPE CALCULATION

 MAX HARDSCAPE:
 9%

 EXISTING HARDSCAPE:
 786 sqft = 5.5%

 PROPOSED HARDSCAPE:
 793 sqft = 5.6%

GROSS FLOOR AREA (GFA)

MAX GFA:	40%
EXISTING AREA	
BASEMENT: 1ST FLOOR: 2ND FLOOR: ATTACHED GARAGE: TOTAL FLOOR AREA: LOT AREA: EXISTING GFA:	840 sqft 2,380 sqft 1,415 sqft 380 sqft 5,015 sqft 14,280 sqft 35 . 1%
PROPOSED AREA	

BASEMENT:	840 sqft
1ST FLOOR:	2,576 sqft
2ND FLOOR:	1,801 sqft
ATTACHED GARAGE:	380 sqft
TOTAL FLOOR AREA:	5,597 sqft
LOT AREA:	14,280 sqft
PROPOSED GFA:	39_2%

NOTES

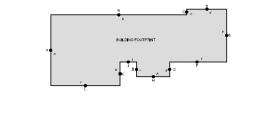
NO TREES TO BE REMOVED & TREE PROTECTION FENCE WILL BE USED SO NO SOIL COMPACTION WILL OCCUR.

LOT SLOPE

LOWEST POINT: 542' HIGHEST POINT: 346' ELEVATION DIFFERENCE: 4' HORIZONTAL DIFFERENCE: 105,3' CALCULATION: 4/105,3 x 100 = 3,79

NOTE: ALL DRAWINGS COMPLY WITH THESE CODES: 2018 International Residential Code (IRC) 2018 International Fire Code (IRC) Washington State Energy Code (WCEC)

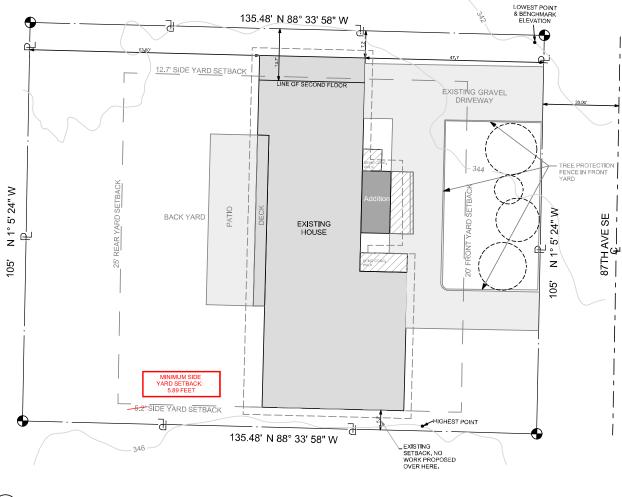
ABE CALCULATION

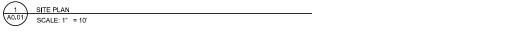


MIDPOINT ELEVATION

A= 345.8' B= 345' C= 344' D= 344' F= 344' G= 344' H= 344.5' J= 344.5' K= 345' L= 345.3'

 $\begin{array}{l} a=37.3'\\ b=71.6'\\ c=3'\\ d=21'\\ e=27.9'\\ f=25.8'\\ g=11.2'\\ h=16.5'\\ i=11.2'\\ j=13.8'\\ k=12.6'\\ l=36.4' \end{array}$

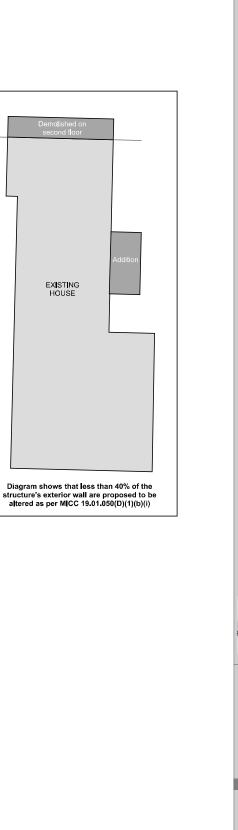




WALL SEGMENT LENGTH			
a= 37.3' b= 71.6'			
c= 3'	ABE CALCULATION	BUILDING HEIGHT	
d= 21'	(Axa)+(Bxb)+(Cxc)+(Dxd)+(Exe)+(Fxf)+(Gxg)+(Hxh)+(Ixi)+(Jxf)+(Kxk)+(Lxf)	MAX BUILDING HEIGHT:	30'
e= 27.9'	a+b+c+d+e+f+g+h+i+j+k+l	PROPOSED BUILDING HEIGHT:	26'-2'
f= 25.8' g= 11.2'	(345.8x37.3)+(345x71.6)+(344x3)+(344x21)+(344x27.9)+(344x25.8)+(344x11.2)+(344.5x16.5)+(345x11.2)+(344.5x13.8)+(345x12.6)	45.3x36.4)	
h= 16.5' /= 11.2'	37.3 + 71.6 + 3 + 21 + 27.9 + 25.8 + 11.2 + 16.5 + 11.2 + 13.8 + 12.6 + 36.4		
j= 13.8'	(12,898,34)+(24,702)+(1,032)+(7,224)+(9,597,6)+(8,875,2)+(3,852,8)+(5,684,25)+(3,864)+(4,754,1)+(4,347)+(12,568,92) 99,400,21	- = 344_8'	
k= 12.6'	37 3 + 71 6 + 3 + 21 + 27 9 + 25 8 + 11 2 + 16 5 + 11 2 + 13 8 + 12 6 + 36 4 288 3	= = 344.0	

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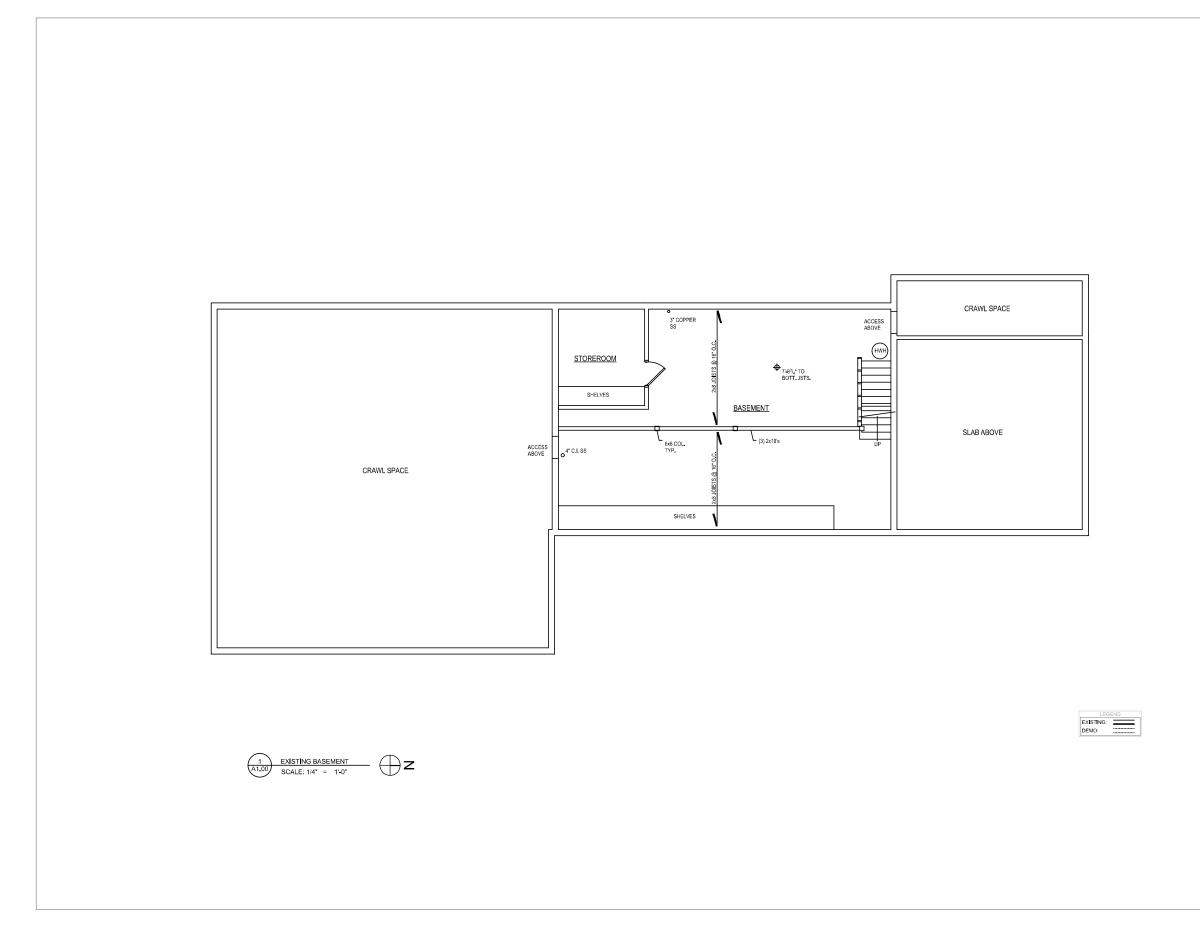
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TARMADA DESIGN & BUILD

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REVISIONS
NOTES
NOTES
REPRESENTATIVE: GH DRAWN BY: KHS DESIGNER: YA PROJECT #: T070-D SHEET SIZE: 24 x 36
PROGRESS SET
SITE PLAN
A0.01

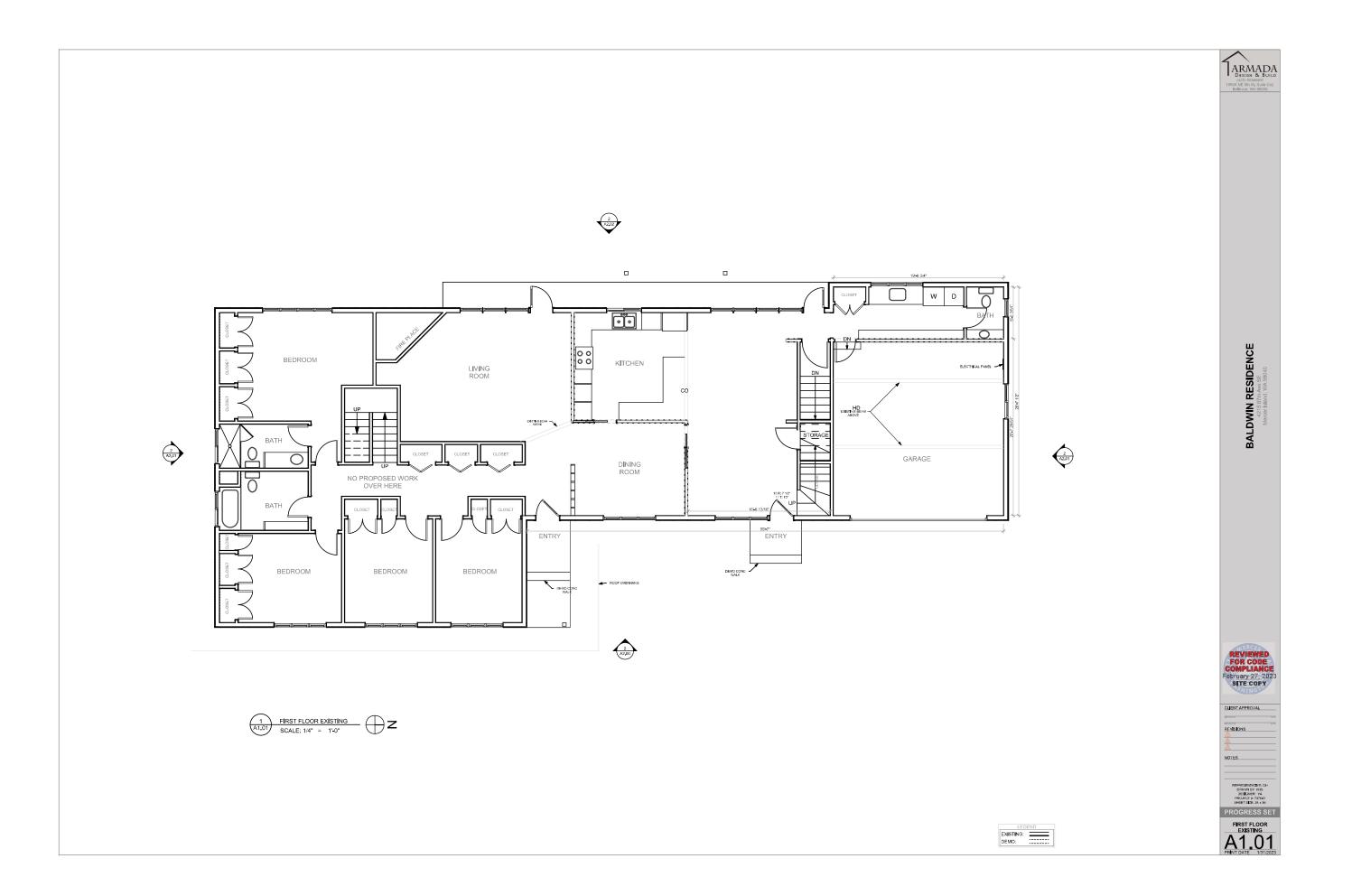


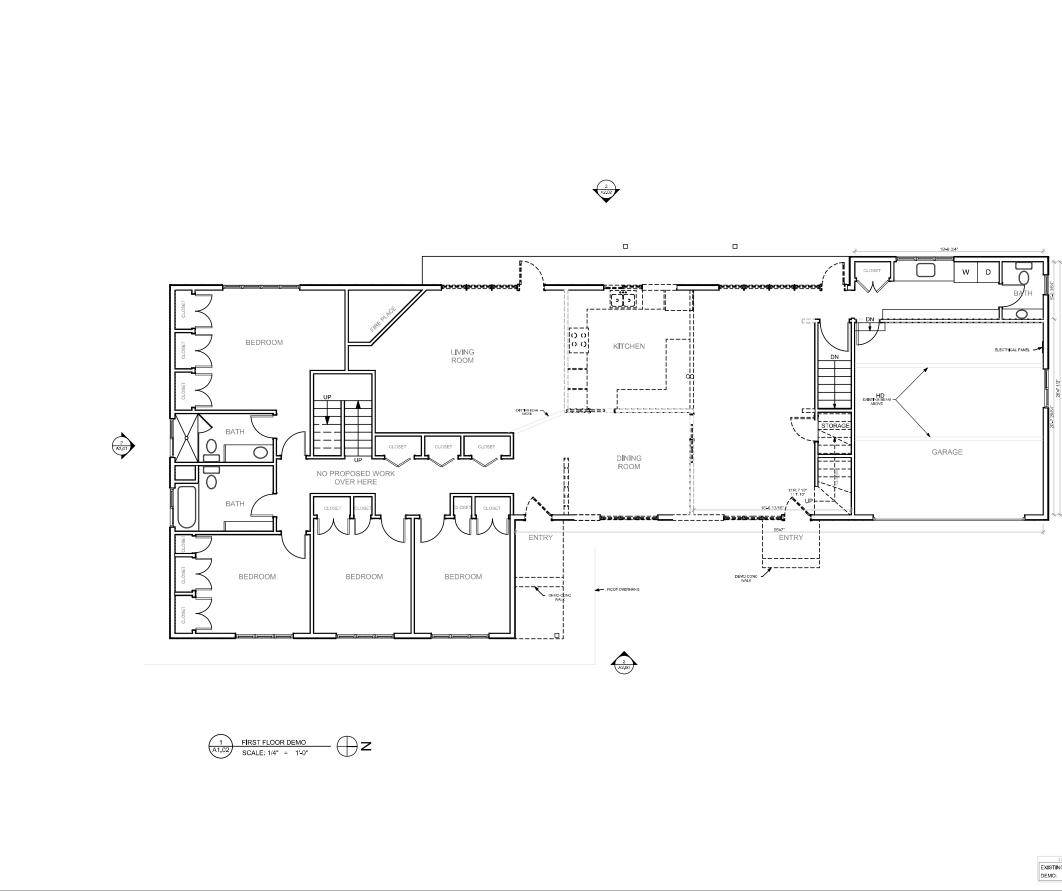




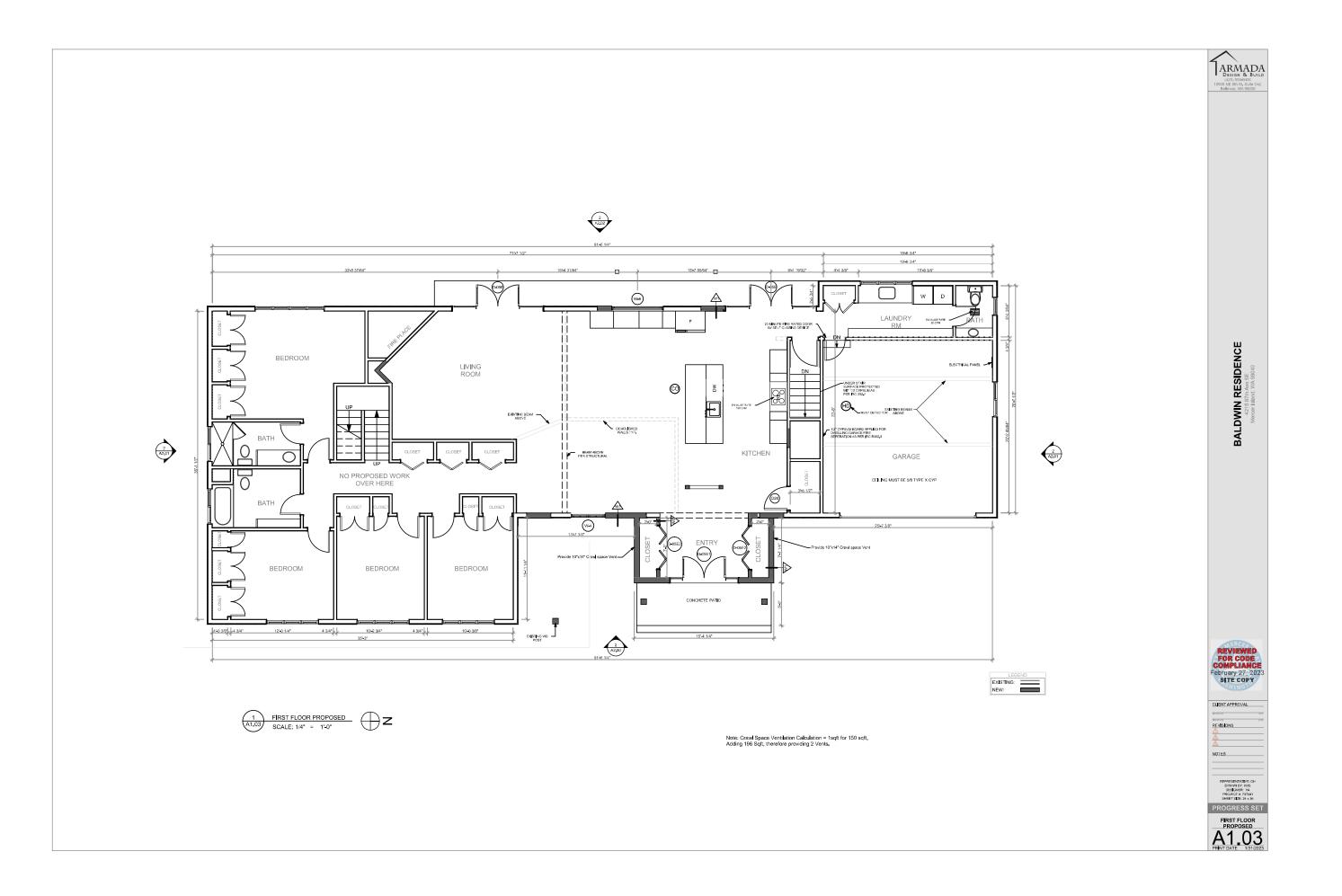


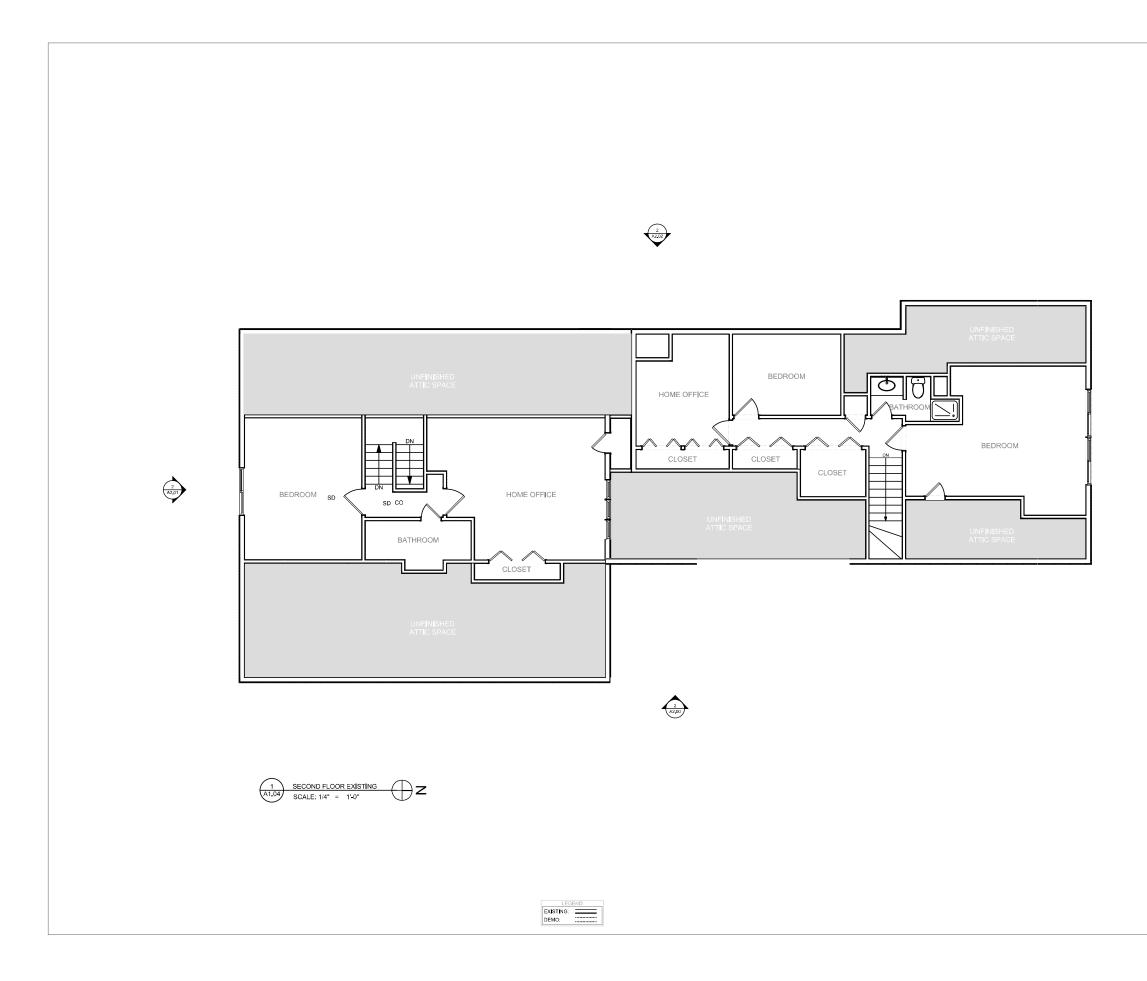






	ARMADA DESIGN & BUILD (425) 658-0400 15600 NE Bin St, Suite C-2, Belevue, WA 98008
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	REVIEWED FOR CODE COMPLIANCE February 27, 2023 SITE COPY
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	REVISIONS A A NOTES
	REPRESENTATIVE: CH DRAIWH BY: KHS DEGIONER: YA PROJECT #: 707CD SHEET SIZE: 24 x 36 PROGRESS SET FIRST FLOOR DEMO
LEGEND ING:	A1.02 PRINT DATE 1/31/2023



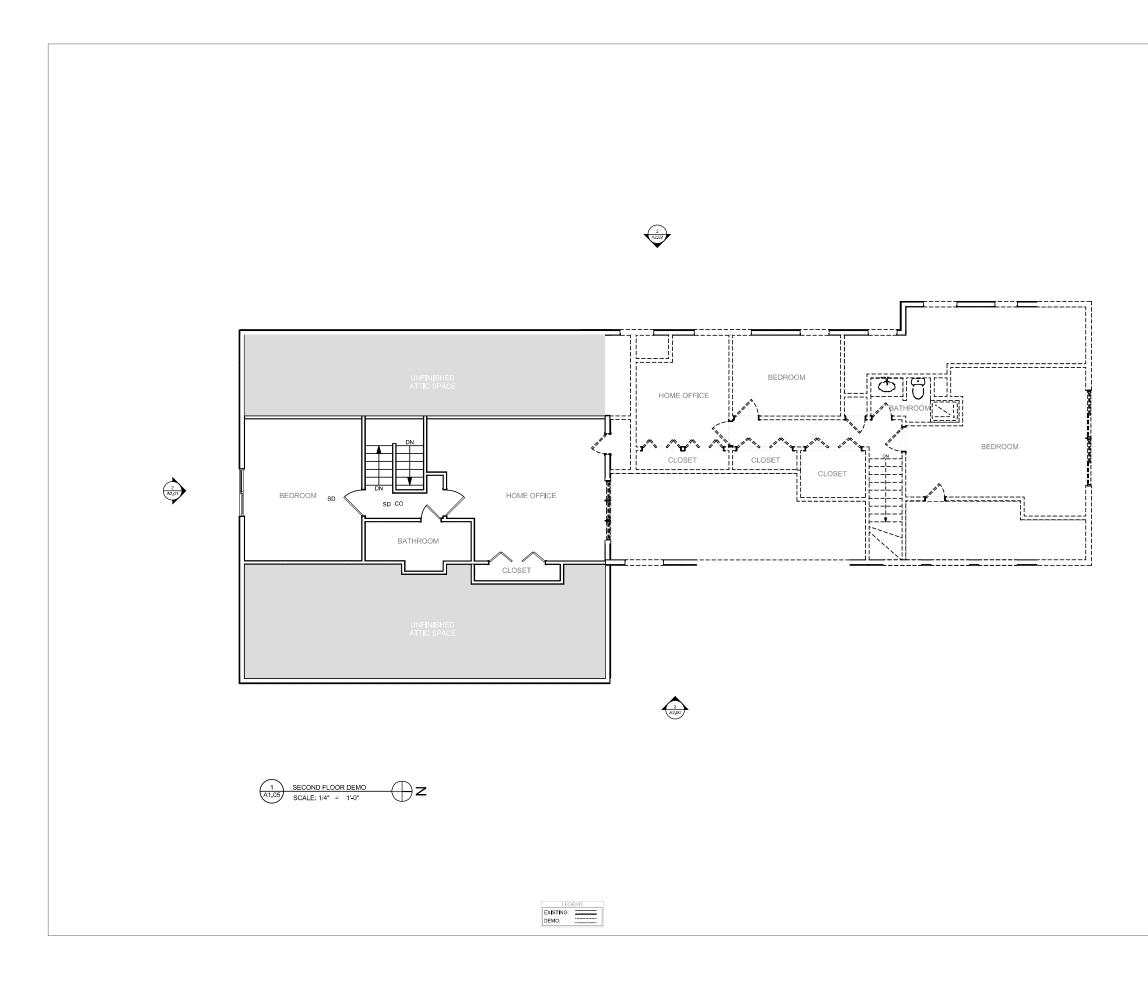








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REPRESENTATIVE: GH DRAWN BY: KHS DESIGNER: YA PROJECT #: 7070-D SHEET SIZE: 24 x 36
PROGRESS SET
EXISTING A1.04

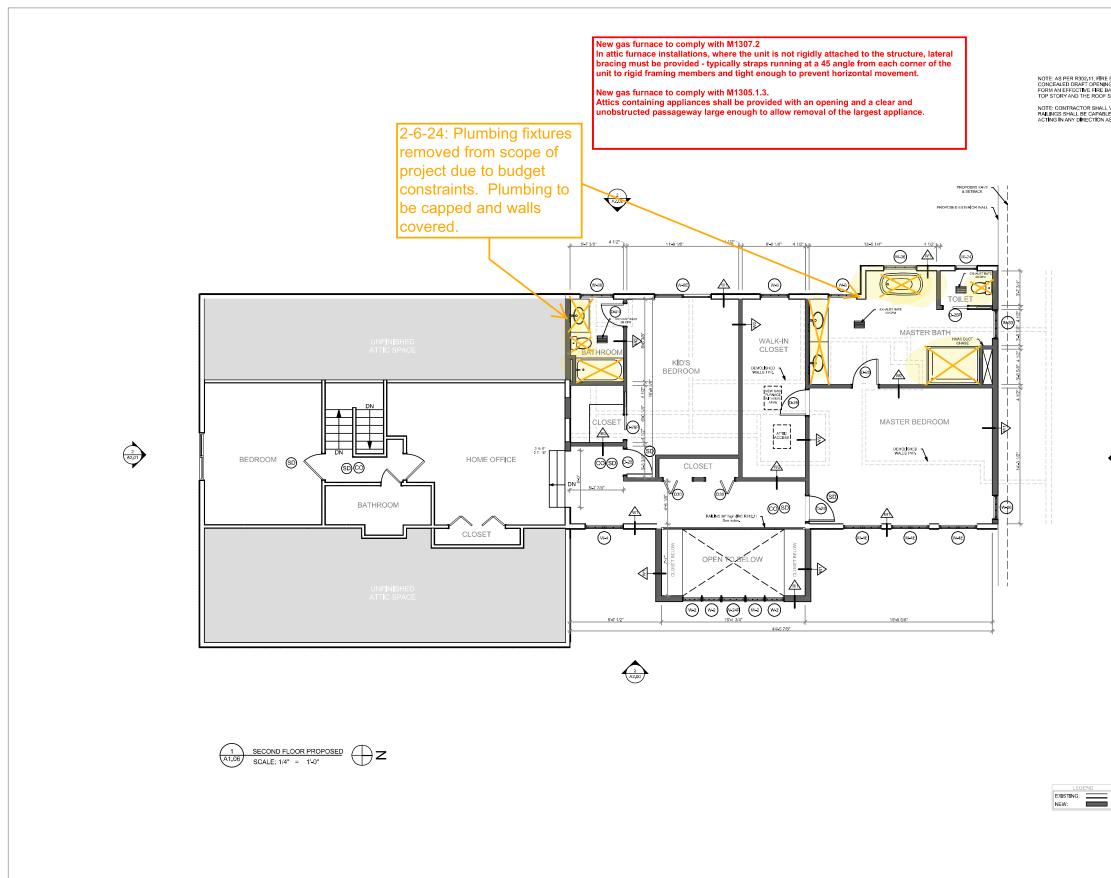














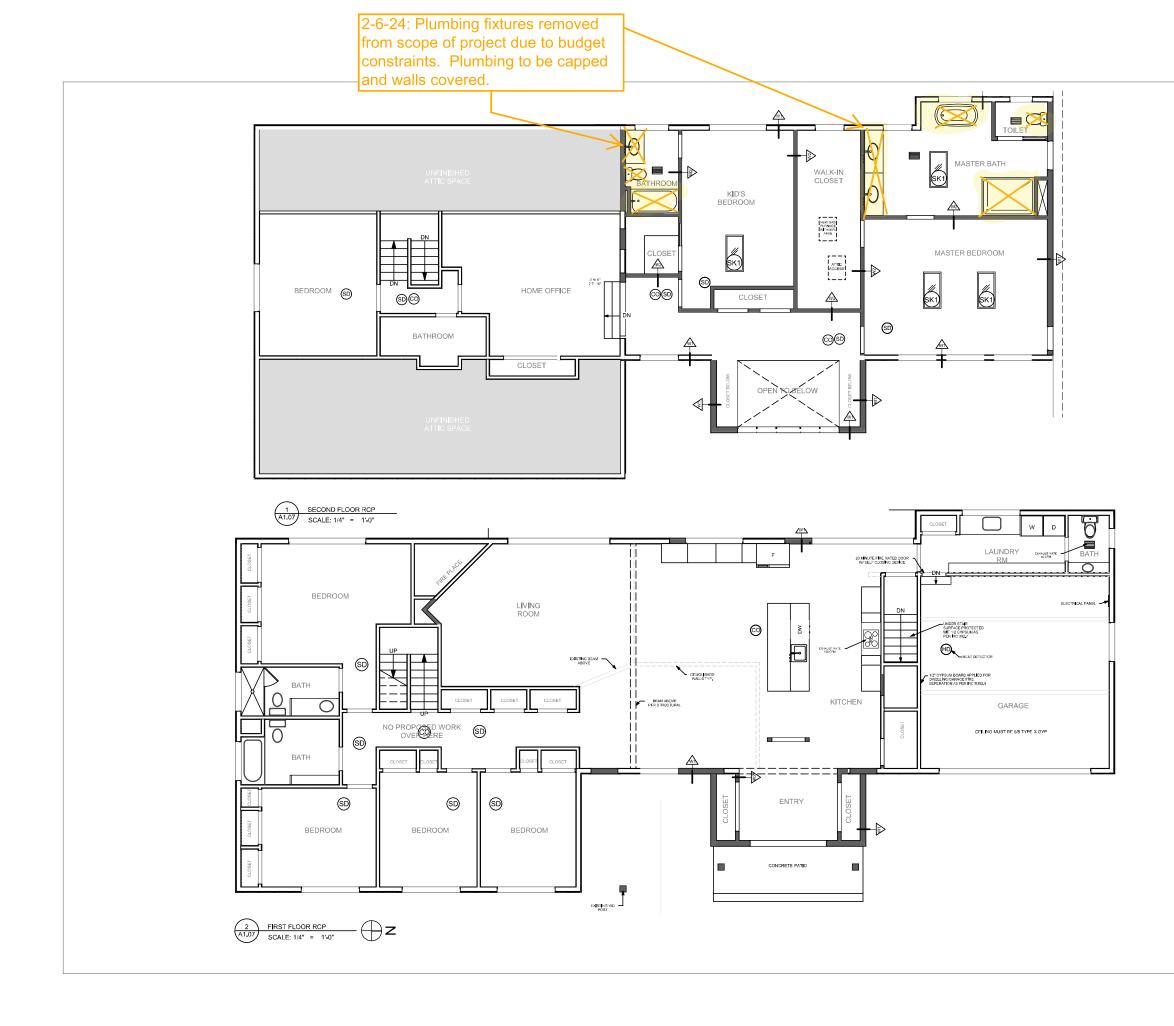
NOTE: AS PER R302.11, FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGSIGOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFCITIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE.

NOTE: CONTRACTOR SHALL VERIFY TO INSPECTOR ALL GUARDS AND RAILINGS SHALL BE CAPABLE OF RESISTING 200LB LOAD ON TOP RAIL ACTING IN ANY DIRECTION AS REQUIRED BY IRC TABLE R301.5





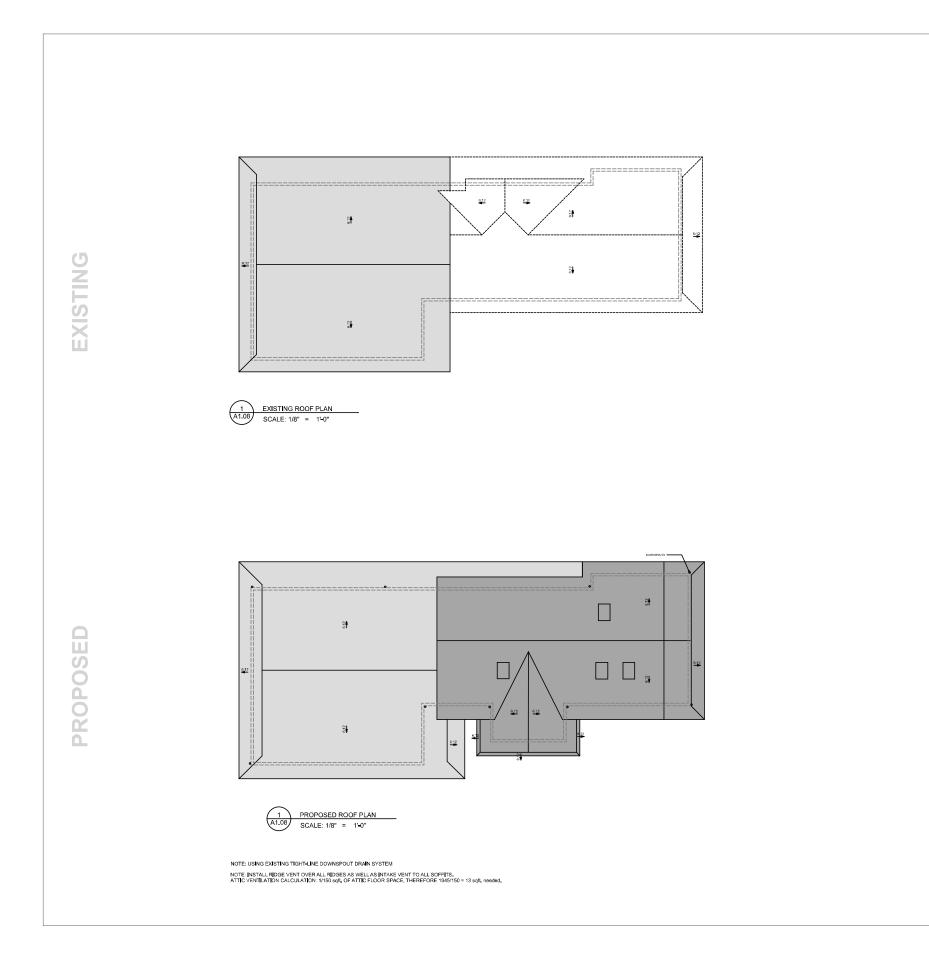
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REPRESENTATIVE: GH DRAWN BY: KHS DESIGNER: YA PROJECT #: 7070-D SHEET SIZE: 24 x 36
PROGRESS SET
SECOND FLOOR PROPOSED A1_06

















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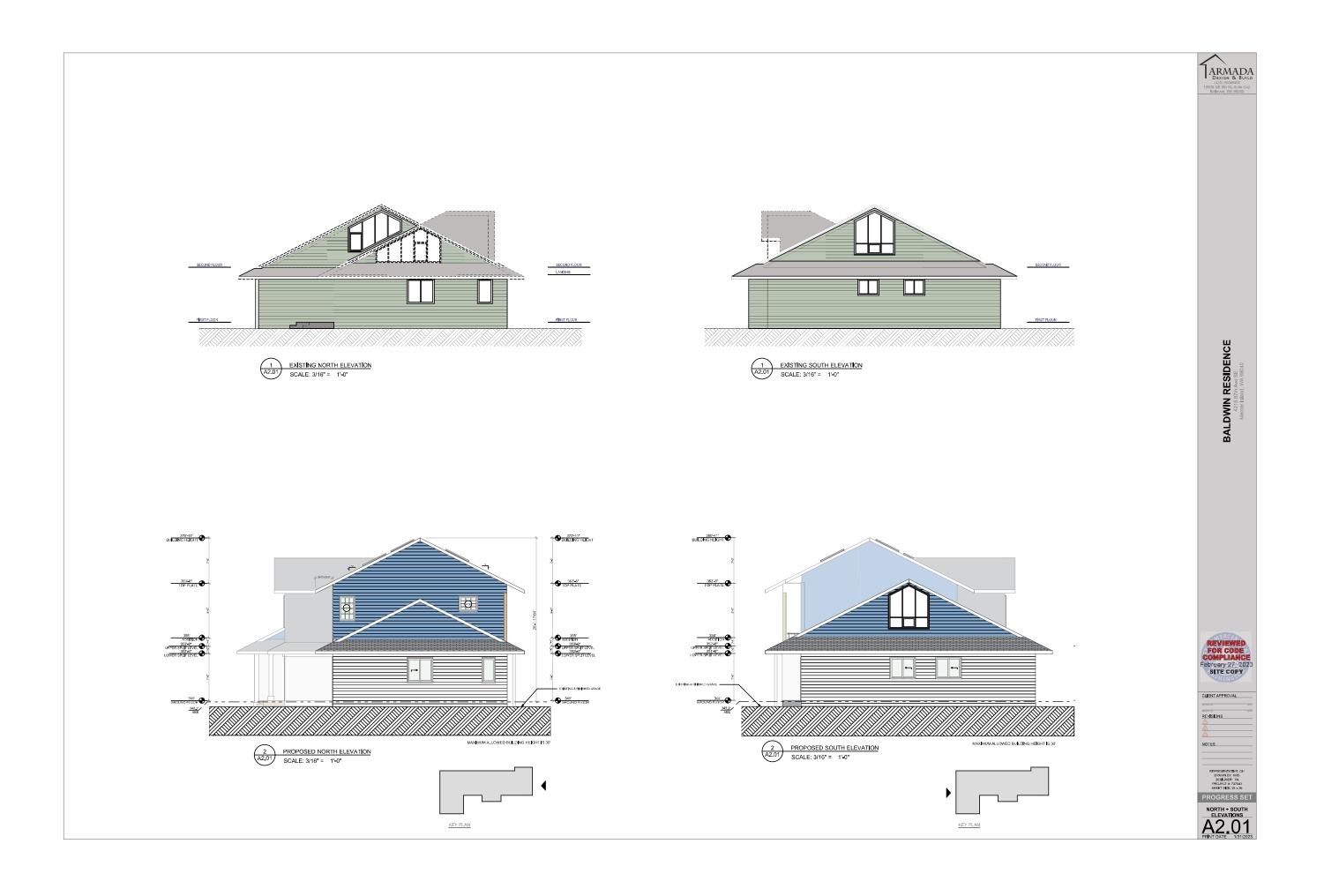
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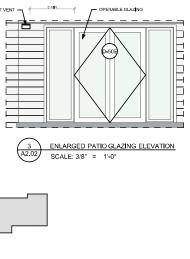
















					WINDOW	SCHEDULE						
Eement D	W - 2	W-3	W-4	W-4E	W-6	W-6E	W-24	W-24R	W-25	W-26	W-33	W-36
Quantity	4	2	2	3	1	1	1	1	1	1	1	2
PREVIEW							1					
WINDOW TYPE	CASEMENT		CASEMENT	CASEMENT	FIXED			FIXED	FIXED	CASEMENT	FIXED	
DIMENSIONS	2'-0"×5'-0"	3'-0"×3'-0"	4'-0"×4'-0"	4'-0"×4'-0"	6'-0"×3'-6"	6'-0"×3'-6"	2'-4"×2'-6"	2'-5 1/2"×2'-5 1/2"	2-6"×6-3 1/4"	2'-6"×4'-0"	3'-0"×2'-6"	3'-6"×2'-6"
EGRESS												
U-VALUE	.30	.30	.30	.30	.30	_30	.30	.30	.30	_30	.30	.30
TEMPERED												
LOCATION	ENTRY			M.BEDROOM	KITCHEN					M.BEDROOM	MASTER BATH	

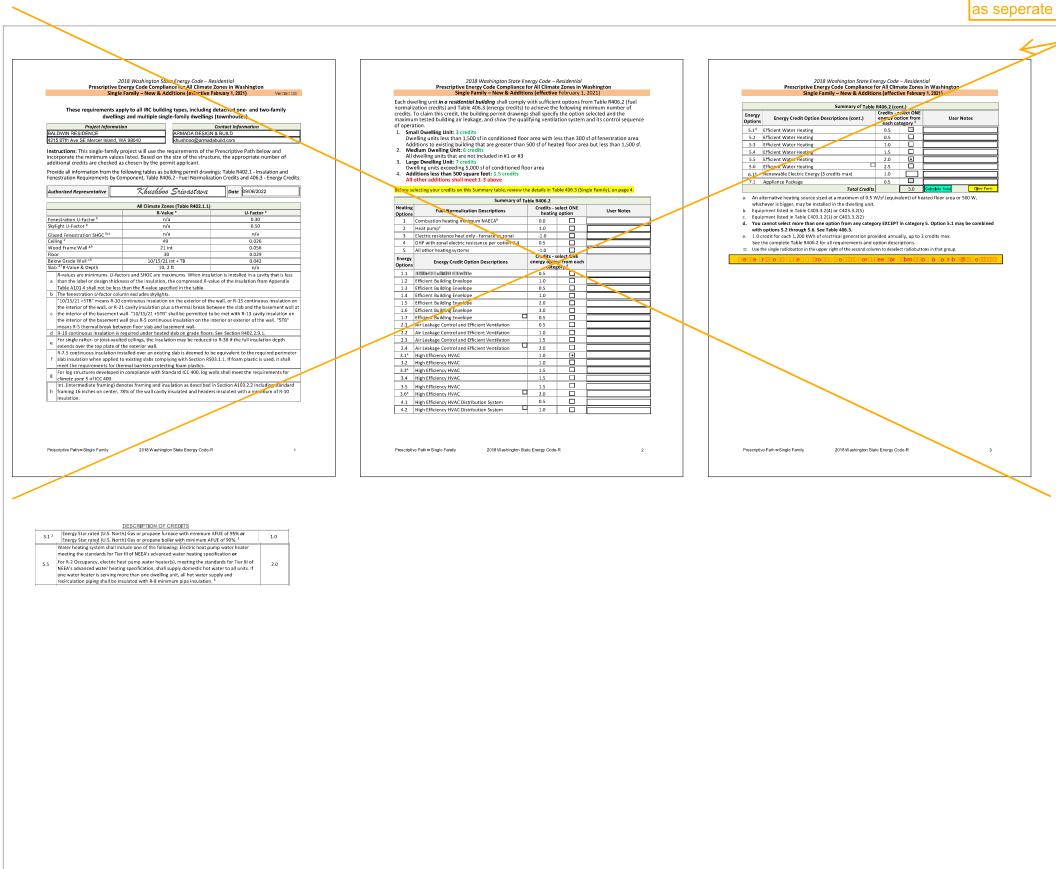
				DOOR SCH	DULE			
MARK	D28	D30	D-05E	D-05E1	D-05E2	D-24	D-26P	D-28
QUANTITY	1	2	2	1	2	1	2	4
PREVIEW							Ĺ	
D MENSIONS	2'-8"×6'-8"	3'-0"×6'-8"	5'-0"×6'-8"	5'-0"×6'-8"	5'-0"×6'-8"	2'-4"×6'-8"	2'-6"×6'-8"	2'-8"×6'-8"
TYPE	Flush	Flush	No Grid	H-V Grid	Flush	Flush	Flush	Flush
FIRE RATING	20 minutes	20 minutes	Non-Rated	Non-Rated	Non-Rated	Non-Rated	Non-Rated	Non-Rated
EGRESS			8	×	⊠			
MANUFACTUR	<undefined></undefined>	<undefined></undefined>	KITCHEN/LIVING	ENTRY	CLOSET	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>
LOCATION	GARAGE	GARAGE						
NOTE			SAFETY GLAZING AS PER IRC R308.4					

SKYL	GHT SCHEDULE
MARK	SK1
QUANTITY	4
PREVIEW	//
DIMENSIONS	22 1/2"x46 1/2"
TYPE	FIXED
LOCATION	MULT PLE







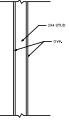


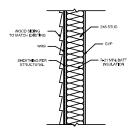
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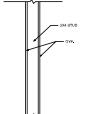






W1

2X6 EXTERIOR WALL 1" = 1'-0"







W2 2X4 INTERIOR WALL!" = 1'-0"

REVIEWED FOR CODE COMPLIANCE February 27, 2023 SITE COPY
CLIENT APPROVAL
Rowosi out
REVISIONS
NOTES
REPRESENTATIVE: CH DRAWN BY: KHS DESIGNER: YA PROJECT#7777-D SHEET SIZE: 24 x 36
PROGRESS SET
DETAILS
A3.02

STRUCTURAL NOTES THESE NOTES ARE TYPICAL UNLESS NOTED OR DETAILED OTHERWISE ON DRAWINGS

CODE

ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (IRC). 2018 EDITION. SPECIFICATIONS AND STANDARDS WHERE REFERENCE ON THE DRAWINGS ARE TO BE THE LATEST EDITION.

DESIGN LOADS	

DEAD LOADS: ROOF FLOOR 15 PSF 15 PSF LIVE LOADS: ROOF (SNOW LOAD) RESIDENTIAL 25 PSF 40 PSF

(LIVE LOADS ARE REDUCED WHERE PERMISSIBLE PER IBC SECTION 1607.11). EARTHQUAKE LOADS:

EQUIVALENT LATERAL FORCE PROCEDURE PER ASCE 7-16 SECTION 12.8

SITE CLASS (ASSUMED)	D
SHORT PERIOD SPECTRAL RESPONSE ACCEL (S ₅)	1.419
ONE SECOND SPECTRAL RESPONSE ACCEL (S)	0.493
SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCEL (Sps)	1.135
ONE SECOND DESIGN SPECTRAL RESPONSE ACCEL (Sp)	0.595
RISK CATEGORY	11
SEISMIC IMPORTANCE FACTOR (I _E)	1.0
SEISMIC DESIGN CATEGORY	D
BASIC SEISMIC FORCE-RESISTING-SYSTEM	PLYWOOD SHEAR WALLS
RESPONSE MODIFICATION FACTOR, (R)	6.5
REDUNDANCY FACTOR (p)	1.3
SEISMIC RESPONSE COEFFICIENT (C ₅)	0.175
W = TOTAL SEISMIC DEAD LOAD AS DEFINED PER ASCE 7-16 S	ECTION 12.7.2.
BASE SHEAR (V), $V = C_S W = \frac{S_{DS}}{ \mathbf{x} } W$	
WIND LOADS:	

BASIC WIND SPEED (3 SECOND GUST)	98 MPH
EXPOSURE	В
K ₂₇	1.0

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTIONS ARE REQUIRED AS INDICATED IN THE FOLLOWING TABLE. THE CONTRACTOR SHALL SUBMIT A WRITIEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF WORK IN ACCORDANCE WITH SECTION 1704 A OF THE IBC.

STRUCTURAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE ENGINEER IS NOT REQUIRED

FREQUENCY AND DISTRIBUTION OF REPORTS - INSPECTION REPORTS SHALL BE PROVIDED FOR EACH DAY ON SITE BY SPECIAL INSPECTOR. STRUCTURAL OBSERVATION REPORTS SHALL BE PROVIDED AFTER EACH OBSERVATION. REPORTS SHALL BE DISTRUITED TO THE CONTRACTOR, ARCHITECT, ENGINEER AND BUILDING OFFICIAL

SPECIAL INSPECTION

,
· 1
IF USED

INOTE: ATLIFTEM MARKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17. SPECIAL INSPECTION SHALL BE PERFORMED BY A QUALIHED TESTING AGENCY DESIGNATED BY THE OWNER. THE ARCHITECT, STAULTURAL ENOIMER, AND BUILDING OFFICIAL SHALL BE FURNISHED WITH COPIES OF ALL RESULTS. ANY IMSPECTION FAILING TO MEET THE PROJECT SPECIFICATIONS SHALL BE IMMEDIATELY BROUGH TO THE ATTENTION OF THE DISCING TAW.

FOUNDATIONS: SPREAD FOOTINGS

NOT AVAILABLE AT TIME OF DESIGN SOILS REPORT:

ALLOWABLE SOIL PRESSURE: 2000 PSF (ASSUMED; TO BE FIELD VERIFIED DURING CONSTRUCTION)

FOOTINGS SHALL BEAR ON FIRM UNDISTURBED EARTH OR 12° OF COMPACTED STRUCTURAL HILLAS REQUIRED AND AT LEAST 18° BELOW ADJACENT EXTERIOR GRADE. ANY FOOTING ELEVATIONS SHOWN IN THE DRAWINGS REPRESENT NIMIWUM DEPTHS AND ARE FOR BIODING ONLY. ACTULAL FOOTING ELEVATIONS ARE SUBJECT TO SITE CONDITIONS AND MUST THEREFORE BE ESTABLISHED BY THE CONTRACTOR. FOOTINGS SHALL BE CENTERED BELOW COLUMNS ON WALLS ADDVC, UNLESS NOTED OTHERWISE.

IMPORTED STRUCTURAL FILL AND BACKFILL MATERIAL SHOULD CONSIST OF CLEAN, WELL GRADED GRANULAR MATERIAL FREE OF DEBINS OR ORGANICS WITH A MAXIMUM PARTICLE DIAMETER OF THREE INCHES AND NO MORE THAN 20% FIRES (PASSING THE F200 SIEVE).

FILL AND BACKFILL MATERIAL SHOULD BE PLACED IN LEVEL UPTS NOT EXCEEDING TWELVE (12") INCHES IN LOOSE THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM TEST METHOD D1557.

EXCAVATIONS AND DRAINAGE INSTALLATION SHALL BE OBSERVED BY A SOILS ENGINEER RETAINED BY THE OWNER IF EXCAVATION SHOWS SOIL CONDITIONS TO BE OTHER THAN THOSE ASSUMED ABOVE NOTHY THE STRUCTURAL ENGINEER FOR TO SOSIELE FOUNDATION REDESION.

CONCRETE

ALL CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, AND PLACED IN ACCORDANCE WITH CHAPTER 26 OF ACI 318 AND THE AMERICAN CONCRETE INSTITUTE'S SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301)

ALL CONCRETE SHALL BE STONE-AGGREGATE CONCRETE HAVING A UNIT WEIGHT OF APPROXIMATELY 150 POUNDS PER CUBIC FOOT.

CONCRETE STRENGTHS AT 28 DAYS (Fc) AND MIX CRITERIA SHALL BE AS FOLLOWS

TYPE OF CONSTRUCTION	f'c*	MAXIMUM WATER/CEMENT RATIO	MIN CEMENT CONTENT PER CUBIC YARD	MAXIMUM SHRINKAGE STRA
FOOTINGS	3000 PSI	0.55	5 1/2 SACK	N/A

THE MINIMUM AMOUNT OF CEMENT LISTED ABOVE MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, FINE AND COARSE AGGREGATE, WATER, AND ADMIXTURES AS WELL AS THE WATER-CEMENT RATIO, SUBMP, CONCRETE YTELD, AND SUBSTANTIATING STERMENT DATA ACCORDANCE WITH CHAPTER 250 CAC 313.

ALL CONCRETE EXPOSED TO WEATHER OR TO FREEZING TEMPERATURES SHALL BE AIR-ENTRAINED IN ACCORDANCE WITH ACI 318 TABLE 19.3.3.1 FOR MODERATE EXPOSURE CLASS F1.

*PROVIDE fc SPECIFIED IN TABLE FOR DURABILITY REQUIREMENTS. 2500 PSI CONCRETE MEETS STRENGTH REQUIREMENTS, THEREFORE SPECIAL INSPECTION IS NOT REQUIRED.

REINFORCING STEEL

REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615, AND SHALL BE GRADE 60 (Fy = 60.000 PSI), UNIESS NOTED OTHERWISE, GRADE 60 REINFORCING BASS INDICATED ON DRAWINGS TO BE WIELDOD SHALL CONFORM TO ASTM A706, BRINDFORMS COMPUYING WITH ASTM A615 NAV BE WIELDOD IF MATERIAL PROPERTY REPORTS INDICATING CONFORMANCE WITH WELDING PROCEDURES SPECIFIED IN AWS D1 4 ARE

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. PROVIDE WELDED WIRE FABRIC IN SHEETS NOT ROLLS. LAP WELDED WIRE FABRIC 12" AT SIDES AND ENDS.

REINFORCING STEEL SHALL BE DETAILED INCLUDING HOOKS AND BENDS IN ACCORDANCE WITH ACI SP-66 AND ACI 318, JATEST EDITIONS. UNLESS OTHERWISE NOTED, REINFORCING SPLICE LENGTHS AND DEVELOPMENT LENGTHS SHALL BE PER SCHEDULE.

MECHANICAL SPLICING OF REINFORCING BARS, WHERE INDICATED ON THE DRAWINGS, SHALL BE BY AN ICBO APPROVED SYSTEM, SHALL DEVELOP 125% OF THE SPECIFIED YELD STRENGTH OF THE BAR, AND SHALL BE INSTALLED IN A CORDANCE WITH THE MAURGENTURE'S RECOMMENDATIONS.

REINFORCING SHALL BE PLACED AND ADEQUATELY SUPPORTED PRIOR TO PLACING CONCRETE. WET-SETTING EMBEDDED ITEMS IS NOT ALLOWED WITHOUT PRIOR ENGINEER APPROVAL. BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL ONE BEHLED BEN UNLUSS SO DETAILED CA PAPROVED BY THE STRUCTURAL ENGINEER. REFER TO CHAPTER 25 OF ACI 318 FOR OTHER REINFORCING STEEL REQUIREMENTS.

MINIMUM LAPS AND EMBEDMENT

UNLESS OTHERWISE NOTED, REINFORCING SPLICE LENGTHS AND DEVELOPMENT LENGTHS SHALL BE AS TABULATED BELOW:

			f'c = 3000 P	SI		
		DEVELOPIN	IENT LENGTH		LAP	SPLICE
BAR	TEN	SION	COMPRESSION	TEN:	SION	COMPRESSION
SIZE	TOP BARS	OTHER BARS	ALL BARS	TOP BARS	OTHER BARS	ALL BARS
#3	22	17	9	28	22	12
#4	29	22	11	37	29	15
#5	36	28	14	47	36	19

IOTE: ALL LENGTHS ARE IN INCHES

ALL LENSING ARE IN INCERS. ALL LAP SPLICES ARE CLASS B. "TOP BARS" ARE HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.

CONCRETE COVER ON REINFORCING

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"
CONCRETE EXPOSED TO EARTH AND WEATHER:	
#6 BARS AND LARGER	2"
#5 BARS AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS, WALLS AND JOISTS	3/4"
COLUMN TIES OR SPIRALS AND BEAM STIRRUPS	1 1/2"

CONCRETE GENERAL NOTES

VERTICAL BARS SHALL START FROM TOP OF FOOTING. HORIZONTAL BARS SHALL START A DISTANCE OF 1/2 THE NORMAL BAR SPACING FROM TOP OF FOOTING AND TOP OF FRAMED SLABS. IN ADDITION, THERE SHALL BE A HORIZONTAL BAR AT A MAXIMUM OF 3° FROM TOP OF WALL AND BOTTOM OF FRAMED SLABS.

PROVIDE CORNER BARS TO MATCH THE HORIZONTAL REINFORCING WITH TENSION LAP SPLICE AT EACH SIDE PER TABLE, OR BEND ONE SIDE OVER TO PROVIDE TENSION LAP.

ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED AND PROPERLY PREPARED IMMEDIATELY PRIOR TO POURING OF CONCRETE, DOWEL STEEL SHALL BE THE SAME SIZE AND SPACING AS MAIN REINFORCING DETAILED BEYOND JOINT.

SEE ARCHTECTURAL DRAWINGS AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF OPFINISS IN CONCRETE WAILS, FLOORS AND ROOF, UNIESS INDICATED OTHERWISE, REINFORCE AROUND OPFINISG SIERT FINAL 21° IN EITHER DIRECTORY OW WITH (2) 45 SACH SIDE AND UNAL 45 ACH CONNER, EXTEND DARS 2-0° BEYOND EDGE OF OPFINISG, IE 2-0° IS UNAVAILABLE, EXTEND AS FAR AS POSSIBLE AND HOOK. HOOK ALL REINFORCING INTERRUPTED BY OPENINGS.

BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL NOT BE FIELD BENT UNLESS SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEE

SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES. NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE AND DTHER PINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES. PROVIDE 3/4" CHAMFER AT ALL CONRERS EXCEPT AS NOTED.

LUMBER

ALL GRADES SPECIFIED ARE MINIMUM GRADES REQUIRED. ALL LUMBER SHALL BE IN ACCORDANCE WITH WWPA GRADING RULES, KILN-DRIED TO MC 19 AND OF THE FOLLOWING MINIMUM STANDARDS:

SIZE CLASSIFICATION	SPECIES	GRADE	Fb (PSI)	Fc (PSI)
SLEEPERS	DOUG-FIR	STUD	700	-
LIGHT FRAMING (STUDS)	HEM-FIR	STUD	675	800
2x JOISTS AND PLANKS	HEM-FIR	#2	850	-
PLATES AND BLOCKING	HEM-FIR	#2	850	-
6x AND LARGER BEAMS AND STRINGERS	DOUG-FIR	#2	875	
4x AND SMALLER BEAMS AND STRINGERS	HEM-FIR	#2	850	-
ALL POSTS AND TIMBERS	DOUG-FIR	#1	1200	1000

REFER TO PLAN NOTES, SCHEDULES, AND DETAILS FOR MORE SPECIFIC LUMBER SIZE AND GRADE REQUIREMENTS.

UNLESS NOTED OTHERWISE IN THE PLANS, ALL WOOD AND WOOD-BASED MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE, MASONRY, OR WITHIN 8° OF SOL SHALL BE PRESERVATIVE-TREATED BY VACUUM-PRESENT INPREONTANT IN A CCORDANCE WITH AWAY STADARD U.

NAILS, BOLTS, AND METAL CONNECTORS FOR WOOD

ALL NAILS SHALL CONFORM TO THE STANDARDS SET FORTH BY THE NATIONAL DESIGN STANDARDS (NDS) FOR WOOD CONSTRUCTION, LATEST EDITION, NAILING NOT SPECIFIED SHALL BE PERIBE TABLE 2304.0.1. NAILING SCHEDULE. ALL MILS CALLED DUTO NP HANS SHALL BE COMMON NAILS UNLESS NOTED OTHERWISE AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM GUIDEUNES:

8d COMMON 0.1310 2.12° SHANK 10d COMMON 0.1480 3° SHANK 12d COMMON 0.1480 3' 14" SHANK 16d COMMON 0.1480 3' 14" SHANK 16d COMMON 0.1620 3' 12" SHANK	TWAL	Structure	mint certorin
12d COMMON 0.148Ø 3 1/4" SHANK	8d COMMON	0.131Ø	2 1/2" SHANK
	10d COMMON	0.148Ø	3" SHANK
16d COMMON 0.162Ø 3.1/2" SHANK	12d COMMON	0.148Ø	3 1/4" SHANK
	16d COMMON	0 . 162Ø	3 1/2" SHANK

TI DIA BOX NAILS MAY BE SUBSTITUTED FOR & COMMON NAILS WITH NO CHANGE IN NAIL SPACING. FRAMING MEMBERS MAY BE NAILED WITH I DIA SIMKING JARY'A 3 1/47). BUT ONLY 164 COMMON NAILS SHALL BE USED WHERE 164 NAILS ARE INDICATED IN THIS DRAWING SET. ENGINEER MAY APPROVE OTHER NAILS IF NAIL LABELS ARE SUBMITTED TO ENGINEER PROR TO START OF CONSTRUCTION.

ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAS SCREWS BEARING ON WOOD. LEAD HOLES FOR LAG BOLTS SHALL BE BORED FOR THE SHARK AND THRAEDED FORTIONEPR IND 52.1.4.2.

CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, CATALOG TO BE THE LATEST EDITION, OR ENGINEER APPROVED EQUAL CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S BECOMMENDATIONS AND WITH THE MANUFER AND 325 OF FASTENERS AS SPECIFIED BY THE MANUFACTURER'S MEDICENDER CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NALLS, SCREWS, OR BOLTS IN EACH MEDRE.

INSTALL SOLID BLOCKING AT ALL BEARING POINTS. ALL SHIMS SHALL BE SEASONED, DRIED, AND THE SAME GRADE

GALVANIZATION

UNLESS NOTED OTHERWISE, STEEL CONNECTORS IN CONTACT WITH TREATED WOOD SHALL BE GALVANIZED ACCORDING TO THE FOLLOWING TABLE:

GALVANIZATION	UNTREATED WOOD	CCA-C	SBX	ACQ-C ACQ-D	CBA-A CA-B	OTHER BORATE	ACZA	OTHER PT WOOD
G90	х	х	Х					
G185	х	х	Х	х	х	х		
HDG	х	х	х	х	х	х		
STT300	х	х	Х	х	х	Х	Х	х

G90 = 0.90 OZ. OF ZINC PER SQUARE FOOT OF AREA G185 = 1.85 OZ. OF ZINC PER SQUARE FOOT OF AREA SST300 = TYPE 316L STAINLESS STEEL

RATED SHEATHING

RATED SHEATHING SHALL BE GRADE C-D INT-APA WITH EXTERIOR GLUE OR OSB SHEATHING WITH EXTERIOR GLUE IN CONFORMANCE WITH IBC STANDARD 2303.1.5.

TIMBERSTRAND, MICROLLAM, AND PARALLAM MEMBERS

PABRICATED IN CONFORMANCE WITH THE INTERNATIONAL CODE COUNCIL EVALUATION SERVICE (ICC-ES) REPORT NO. 587-1387 OR COMC REPORT NO. 1567-78, 08675-8, NON 11161-8. FACH MEMBERS SHALL BE IDENTIFIED BY A STAMP INDICATING THE PRODUCT TYPE AND GRADE, ICC-ES OR CONC REPORT NUMBER, MANUFACTURER'S MANUE FLANT NUMBER AND INDEFENDENT INSPECTION AGENCY'S LOGO, FABRICATOR SHALL BE CERTIFIED, MEMBERS SHALL MEET THE FOLLOWING MINIMUM STANDAS:

SIZE CLASSIFICATION	SPECIES	GRADE	Fb (PSI)	Fv (PSI	Fc (PSI)
BEAMS & POSTS (d < 9 1/2")	LSL	1.3E	1,700	425	1,835
RIMS & BEAMS (d ≥ 9 1/2")	LSL	1.55E	2,325	310	
BEAMS & POSTS	LVL	2.0E	2,600	285	2,510
POSTS (d < 9 1/2")	PSL	1.8E	2,400	190	2,500
BEAMS (d ≥ 9 1/2")	PSL	2.0E	2,900	290	-
MBERSTRAND MICROLLAM AND L	INTREATED PAR	ALLAM MEMBE	RS ARE INTENDE	D FOR DRY-USE	APPLICATIONS

UNLESS NOTED OTHERWISE, ENGINEERED WOOD BEAMS EXPOSED TO WEATHER SHALL BE TREATED PER MANUFACTURES RECOMMENDATIONS.

GLUE-LAMINATED TIMBER

GUE-LAMINATED TIMBER SHALL BE DOUGLAS FIR, FABRICATED IN CONFORMANCE WITH ANSI/AITC STANDARD A190.1. LATEST EDITION. BACH MEMBER SHALL BEAR AN AITC IDEMTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN AITC EXITINGATE OF CONFORMANCE. FABRICATOR SHALL BE CENTIFED. MEMBERS SHALL BE AT FOLLOWING MINIMUM STANDARDS

SPAN	COMBINATION	Fb
SIMPLE SPAN BEAMS	24F-V4	2400 PSI
CANTILEVER OR MULTI-SPAN BEAMS	24F-V8	2400 PSI

WOOD I-JOISTS

WOOD I-JOISTS, MANUFACTURED BY WEYERHAEUSER CORPORATION SHALL BE SIZED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATE DO IT HE PLANS, ALL DESIGN SHALL BE IN ACCORDANCE WITH THE ALLOWABLE VALUES AND SECTION PROPERTIES ASSIGNED BY THE BUILDING CODE.

PROVIDE TEMPORARY BRACING UNTIL SHEATHING AND PERMANENT BRACING IS INSTALLED. MANUFACTURER SHALL PROVIDE ALL SPECIALTY TEMS REQUIRED FOR A COMPLETE INSTALLATION OF JOISTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

ALLI-JOISTS ARE TO BE CONNECTED TO FLUSH BEAMS OR WOOD LEDGERS WITH SIMPSON IUS, ITS, OR MIT HANGERS. PROVIDE WEB STIFFENERS AS REQUIRED.

PRE-MANUFACTURED WOOD TRUSSES

WOOD TRUSSES SHALL BE SIZED AND DETAILED TO HT DIMENSIONS AND LOADS INDICATED ON THE PLANS. ALL DESIGN SHALL BE IN ACCORDANCE WITH THE ALLOWABLE VALUES AND SECTION PROPERTIES ASSIGNED BY THE BULDING CODE. SUBMIT SHOP DAWINGS FOR RUNNER REVIEW PMOIT OF DABRICATION. CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER RECISTERED IN THE SAME STATE AS THE PROLECT. INCS DESIGN AND SHOP DRAWINGS SHALL BE IN CONFORMACE WITH BE 2303.4

PROVIDE TEMPORARY BRACING UNTIL SHEATHING AND PERMANENT BRACING IS INSTALLED. MANUFACTURER SHALL PROVIDE ALL SPECIALTY TEMS REQUIRED FOR A COMPLETE INSTALLATION OF JOISTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FOR TOP CHORD DESIGN LIVE LOADS, REFER TO THE DESIGN LOAD SECTION. IN ADDITION TO ROOF LOADING LISTED IN THE DESIGN LOAD SECTION, ROOF TRUSSES SHALL BE DESIGNED FOR A BOTTOM CHORD LIVE LOAD OF 10 PSF. TOP AND BOTTOM CHORD LIVE LOAD DO NOT MEED TO BE DESIGNED FOR SIMULTAREOUSLY.

IN ADDITION TO THEIR SELF WEIGHT, ROOF TRUSSES SHALL BE DESIGNED FOR A TOP CHORD DEAD LOAD OF 5 PSF AND A BOTTOM CHORD DEAD LOAD OF 10 PSF ACTING SIMULTANEOUSLY. SEE ARCHITECTURAL AND MECHANICA DRAWINGS FOR LOADS AND OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. DEFLECTIONS SHALL NOT EXCEED L/360 FOR LIVE LOADS, OR L/240 FOR TOTAL LOADS.

TYPICAL FRAMING NOTES 1. BEARING WALL FRAMING

2x STUDS @ 16" OC FOR ALL SHEAR AND/OR BEARING WALLS UNO.

REFER TO FRAMING PLAN NOTES FOR TYPICAL DOOR & WINDOW HEADERS NOT CALLED OUT ON THE PLANS. HEADERS SHALL BE SUPPORTED BY A MINIMUM OF (1) CRIPPLE AND (1) FULL HEIGHT STUD UNO.

3. ROOF AND FLOOR FRAMING

A DIARHRAGM NAILING

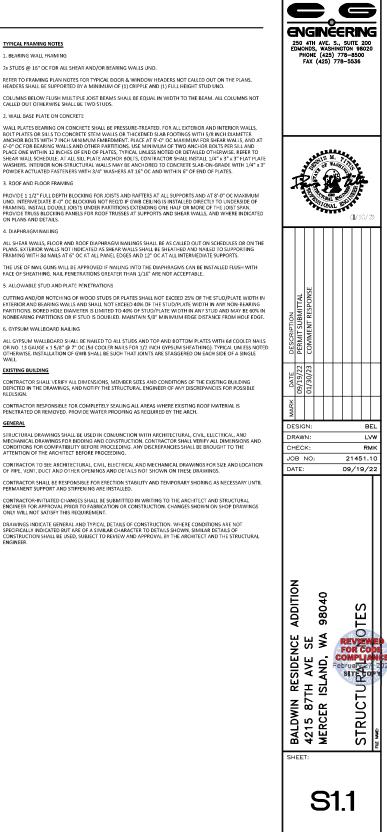
5. ALLOWABLE STUD AND PLATE PENETRATIONS

6. GYPSUM WALLBOARD NAILING

EXISTING BUILDING

GENERAL

2. WALL BASE PLATE ON CONCRETE



ONS AND

WALL PLATES BEARING ON CONCRETE SHALL BE PRESSURE-TREATED, FOR ALL EXTERIOR AND INTERIOR WALLS. WALL PLATES BEARING ON CONCRETE SHALL BE PRESSURE-TREATED. FOR ALL EXTENDS AND INTERIOR WALLS. BOIT PLATES DE SUI STO CONCRETE STATU MALES OF THEORING SHAR POOTINGS WITH 78 MICH DIAWHETER ANCHOR BOITS WITH 71 MICH MINIKUM E MAREDWERT. PLACE AT 5-0° DC FOR BANNINI FOR SHEAR WALLS, AND AT 6-0° DC FOR BEAMING WALLS AND OTHER PARTITIONS. USE MINIKUM OF TWO ANCHOR BOITS PHE SLL AND DS SHEAR WALL SCHEDULE AT SLEAD OTHER PARTITIONS. USE MINIKUM OF TWO ANCHOR BOITS PHE SLL AND SHEAR WALL SCHEDULE AT ALL SILL PAITE ANCHOR BOITS, CONTINACTOR SHEAL INSTALL JAC' 3° X & THAT PLATE WARKERS, INTERIOR ROM-STRUCTURAL WALL SAMS BE ANCHORE TO CONCRETE SLEAD-G-GRADE WITH 1/4" X 3" POWDER ACTUATED FASTENERS WITH 3/4" WASHERS AT 16" OC AND WITHIN 6" OF PLATES.

COLUMNS BELOW FLUSH MULTIPLE JOIST BEAMS SHALL BE EQUAL IN WIDTH TO THE BEAM. ALL COLUMNS NOT CALLED OUT OTHERWISE SHALL BE TWO STUDS.

THE USE OF NAIL GUNS WILL BE APPROVED IF NAILING INTO THE DIAPHRAGMS CAN BE INSTALLED FLUSH WITH FACE OF SHEATHING. NAIL PENETRATIONS GREATER THAN 1/16" ARE NOT ACCEPTABLE.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS, MEMBER SIZES AND CONDITIONS OF THE EXISTING BUILDING DEPICTED IN THE DRAWINGS, AND NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES FOR POSSIBLE

CONTRACTOR RESPONSIBLE FOR COMPLETELY SEALING ALL AREAS WHERE EXISTING ROOF MATERIAL IS PENETRATED OR REMOVED. PROVIDE WATER PROOFING AS REQUIRED BY THE ARCH.

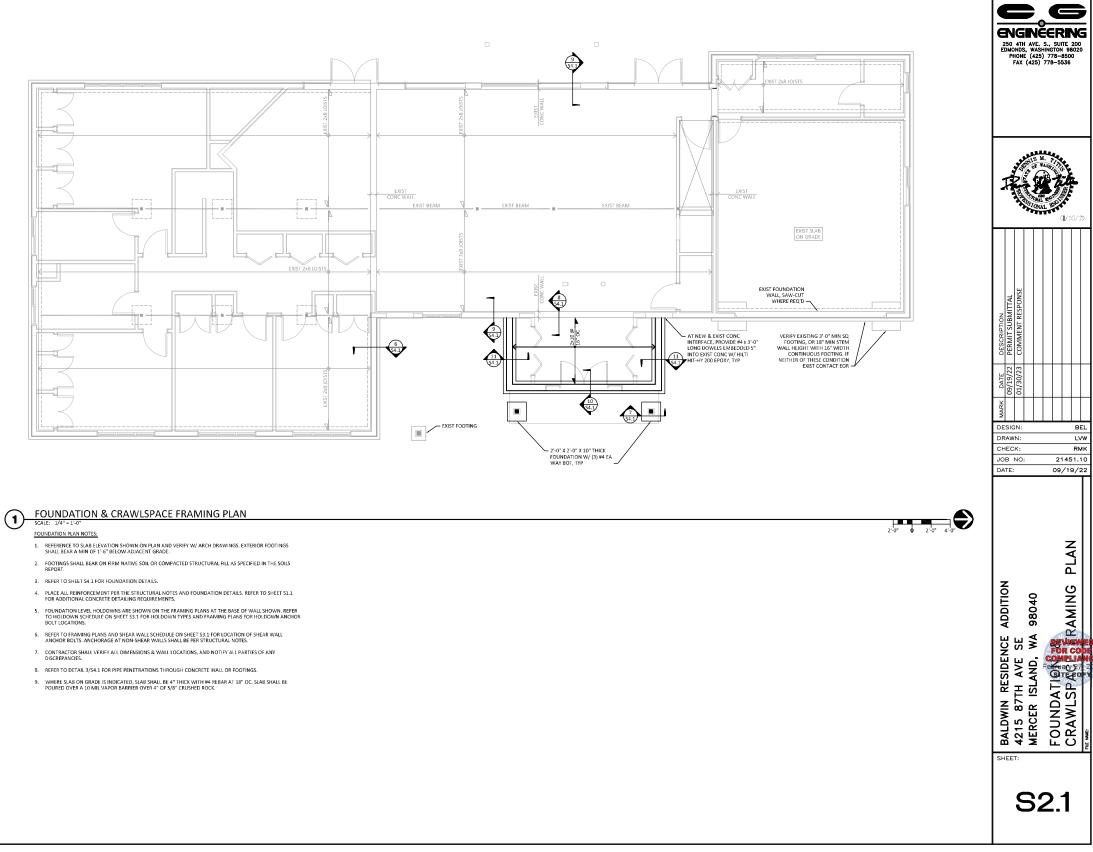
STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, CIVIL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS CONDITIONS FOR COMPATIBILITY BEFORE PROCEEDING, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING.

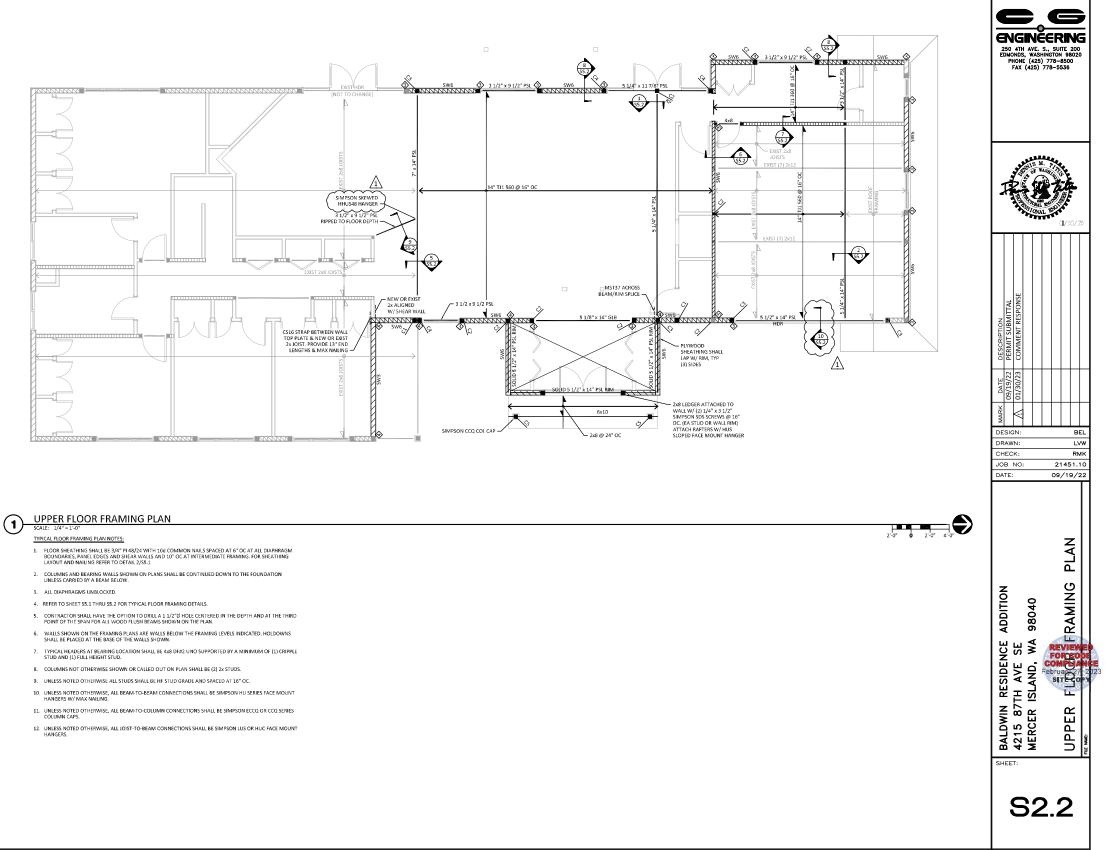
CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WALL NOT SATISSEY THIS BECHLIER-NET.

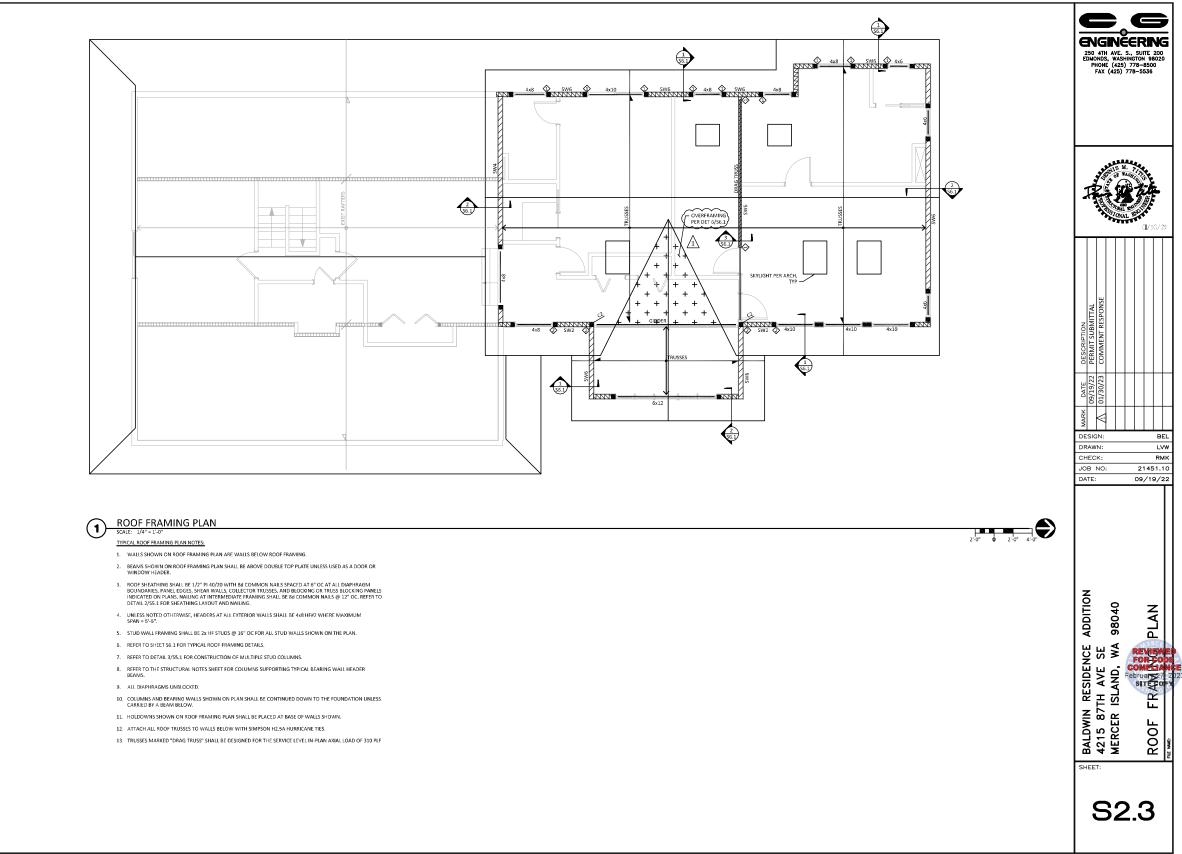
DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF A SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.

										20
		LEG	END			l é	MONDS, PHONE	WASHIN (425)	SUITE :	02 0
	NITION	SYMBOL	DEFINIT	TION	SYMBOL		FAX (425) 77	'8-5536	
DIRECTION (FRAMING	OF		NATIVE SOIL							
EXTENT OF FRAMING		\longleftrightarrow	GRANULAR FILI	L						
COLUMNS		•	STRUCTURAL S	TEEL	800000	11				
COLUMN BE	ARING	B			(
ON BEAM			RATED SHEATH	IING						
BEAM CONT	TINUOUS ORT	- Ce	SHEAR WALL (SEE SCHEDULE	E)	SWX					_
CONCRETE			COLUMN MARI	ĸ	\$	11	4		4.	
BEARING ST			(SEE SCHEDULE FOOTING MARI	,		41	34	OF TAS	S. P.	
WALL			(SEE SCHEDULE	E)	(N)	111	Þ	(r 🕯	1.1	2
NON-BEARII STUD WALL	NG	5S	HOLDOWN MA (SEE SCHEDULE	ARK E)	<		- Elle	27	NE	
BEARING ST		(HANGER MARK	<	()		20	SIONAL B	BUT	
SHEAR WAL	NG	(/ / / / / / / / / / / / / / / / / / /	(SEE SCHEDULE FLAG NOTE			∦ 	- 1	111	¶ 0/≯	0/2
STUD SHEAP	RWALL		(SEE PLAN NOT			╢┣┑	<u> </u>			
CMU WALL			STEEL MOMEN FRAME CONN.		► <u> </u>					
(A)	ADOUT	ABBRE			MINATED BEAM	411				
(A) AB	ABOVE ANCHOR BO	DLT	GLB HORIZ	HORIZON		╣┃│				
ALT	ALTERNATE		КР	KING PO:	ST	11	SE			
ARCH	ARCHITECT		KSI	_	SQUARE INCH	∦ 	BMITTAL			
(B) BD	BELOW BAR DIAME	TER	L MECH	ANGLE	IICAL	l z				
BLKG	BLOCKING		MF	MOMEN		DESCRIPTION	IN IN			
BM	BEAM		MTL	METAL		- N	PERMIT SUI			
BOT BRNG	BOTTOM BEARING		NS OC	ON CENT			É B			
BTWN	BETWEEN		OPP	OPPOSIT		╝┠┼	~ ~	++-		_
CJP		JOINT PENETRATION	PL	PLATE		E	/19/22			
CLR	CLEAR	MASONRY UNIT	PLCS PSI	PLACES POUNDS	PER SQUARE INCH	DAT	01/3			
COL	COLUMN		PSF		PER SQUARE FOOT	ž				
CONC	CONCRETE		P/T	POST TEP		MAF				
CONN	CONNECTIO		PT	REINFOR	E TREATED	DE	SIGN:			в
COORD	COORDINA		REQ'D	REQUIRE		DR,	AWN:			LV
DBL	DOUBLE		SCHED	SCHEDUL	E		ECK:			RM
DET DIA	DETAIL DIAMETER		SIM SOG	SIMILAR SLAB ON	GRADE		3 NO:		2145	
DIM	DIMENSION	l	STD	STANDAR		DAT	rE:		09/19	3/2
DIR	DIRECTION		STIFF	STIFFENE	R					
EA ELEV	EACH ELEVATION		STL SYMM	STEEL SYMMET	RICAL	-				
ES	EACH SIDE		SW	SHEARW						
EX	EXISTING		TOC	_	CONCRETE					
EXP FLR	EXPANSION FLOOR		TOS TOW	TOP OF S		-				
FDN	FOUNDATIO	DN	ТҮР	TYPICAL		11				
FTG	FOOTING		UNO		NOTED OTHERWISE					
FS GC	FAR SIDE	ONTRACTOR	VERT WF	VERTICAL WIDE FL/		41				
	GENERAL C	SHITMACTON.		WIDETD		" Z	5	_		
						RAIDWIN RESIDENCE ADDITION		MERCER ISLAND, WA 98040	U	ว
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(A)	ABOVE
AB	ANCHOR BOLT
ALT	ALTERNATE
ARCH	ARCHITECT
(B)	BELOW
BD	BAR DIAMETER
BLKG	BLOCKING
BM	BEAM
BO⊺	BOTTOM
BRNG	BEARING
BTWN	BETWEEN
CJP	COMPLETE JOINT PER
CLR	CLEAR
CMU	CONCRETE MASONRY
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
COORD	COORDINATE
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIR	DIRECTION
EA	EACH
ELEV	ELEVATION
ES	EACH SIDE
EX	EXISTING
EXP	EXPANSION
FLR	FLOOR
FDN	FOUNDATION
FTG	FOOTING
FS	FAR SIDE
GC	GENERAL CONTRACT







ТУРЕ	APA-RATED SHEATHING	MIN FRAMING AT ADJOINING PANEL EDGES (SEE NOTE 5)	SHEAR WALL NAILING AT PANEL EDGES	RIM JOIST OR BLOCK CONN TO TOP PLATE	SILL PLATE NAILING TO RIM/BLKG BELOW	SILL PLATE ANCHOR BOLT TO SLAB OR FOUNDATION	FOUNDATION SILL PLATE SIZE	SHEAR CAPACII (PLF)
SW6	15/32" ONE SIDE	2x STUD AND BLKG	0.131"Ø x 2 1/2" @ 6" OC	LTP4 OR A35 @ 24" OC	0.131"Ø x 3" @ 6" OC	5/8"Ø AB @ 5'-0" OC	2x	242
5W4	15/32" ONE SIDE	2x STUD AND BLKG	0.131"Ø x 2 1/2" @ 4" OC	LTP4 OR A35 @ 20" OC	0.131"Ø x 3" @ 4" OC	5/8"Ø AB @ 4'-0" OC	2x	350
SW3	15/32" ONE SIDE	(2) 2x STUD AND 2x FLAT BLKG	0.131"Ø x 2 1/2" @ 3" OC	LTP4 OR A35 @ 15" OC	0.131"Ø x 3" @ 3" OC	5/8"Ø AB @ 3'-0" OC	2x	455
SW2	15/32" ONE SIDE	3x STUD AND 2x FLAT BLKG	0.131"Ø x 2 1/2" @ 2" OC	LTP4 OR A35 @ 12" OC	0.131"Ø x 3" @ 2.5" OC	5/8"Ø AB @ 2'-6" OC	2x	595
25W4	15/32" BOTH SIDES	(2) 2x STUD AND BLKG	0.131"Ø x 2 1/2" @ 4" OC	LTP4 OR A35 @ 10" OC	0.131"Ø x 3" @ 2" OC	5/8"Ø AB @ 2'-0" OC	2x	706
25W3	15/32" BOTH SIDES	(2) 2x STUD AND BLKG	0.131"Ø x 2 1/2" @ 3" OC	LTP4 OR A35 @ 7.5" OC	0.131 x 3" @ 1.5" OC	5/8"Ø AB @ 1'-6" OC	2x	910
2SW2	15/32" BOTH SIDES	3x STUD AND BLKG	0.131"Øx21/2" @2"OC	LTP4 OR A35 @ 6" OC	0.131 x 3" @ 1.5" OC	5/8"Ø AB @ 1'-0" OC	2x	1190

MAILS AT ADJORING TAREL EDGES SHALL BE'S JACEMENT SACH SUB OF THE COMMON FUNT.
 MAILS AT ADJORING TAREL EDGES SHALL BE'S JACEMENT SACH SUB OF THE COMMON FUNT.
 WHERE TABLE SPECIFIES (2) 2x FRAMING, CONNECT (2) 2x STUDS AND BLOCKING AS FOLLOWS: SW3 = (2) 0.131 'Ø @ 3.5' OC, 2SW3 = (2) 0.131 'Ø @ 1.5'' OC.
 ONTE THAT 3x FRAMING MAY BE USED IN LEU OF (2) 2x FRAMING SPECIFIED IN TABLE.
 INTERNEDUATE FRAMING OF BE WIT1 2X MINUM MEMBERS THEID MAILING SPECIFIED IN TABLE.
 INTERNEDUATE FRAMING OF BE WIT1 2X MINUM MEMBERS AS REQUIRED TO YOU COMMON FUNT.
 AT ALL 5/8'' SILL PATE ANCHOR SOLTS, INSTALL 1/4'' 3'' X3'' PLATE WASHERS EDGE OF PLATE WASHERS HALL BE WITHIN 1/2'' OF SHEATHED EDGE. FOR DOUBLE SIDES SHEAR WAILS. USE WITH PLATE WASHERS AS REQUIRED TO YOU FOR THE THIS REQUIREMENT.
 PROVIDE A MINIMUM OF 7' EMBEDIMENT FOR AD INTO YOU MOATTON OR STEM WALL.
 TRANS OF AND ANALLS USE WITH AN THE AT WASHERS REQUIRED TO YOU SALE AS PACED 16'' OC OR PANELS ARE APPLIED WITH LONG DIMENSION IN ACRESS STUDS.
 AT EXIST FOUNDATION WALLS PROVIDE TITEN HD TO MATCH ANCHOR ABOVE WITH 7'' EMBED.

TYPE	MIN CHORD SIZE	STUD NAILS OR BOLTS	ANCHOR BOLT (SEE NOTE 4)	CAPACITY (LE
MST48	(2) 2x	(17) 16d EA END		3,640
MST60	(2) 2x	(23) 16d EA END	-	5,405
HDU2	(2) 2x	(6) SDS 1/4" x 2 1/2" SCREWS	5/8"Ø	2,215
HDU5	(2) 2x	(14) SDS 1/4" x 2 1/2" SCREWS	5/8"Ø	4,340
	MST48 MST60 HDU2	TYPE SIZE MST48 (2) 2x MST60 (2) 2x HDU2 (2) 2x	TYPE SIZE STUD MAILS OR BOLTS MST48 (2) 2x (17) 16d EA END MST60 (2) 2x (23) 16d EA END HDU2 (2) 2x (6) SDS 1/4" x 2 1/2" SCREWS	TYPE STGE STUD NALS OR BOLTS (SEE NOTE 4) MST68 (2) 2x (17) 16d EA END - MST60 (2) 2x (21) 21 6d EA END - HDU2 (2) 2x (6) SDS 1/4" x 2 1/2" SCREWS 5/8"\$\$

MARK	
C1	
C2	
C3	
C4	
C5	
C6	
C7	
C8	
NOTES: 1. REFER CONNE 2. MULTII FRAMI MULTII 3. CONTR JOIST S	ECTI PLE NG PLE ACT

COLUMN SCHEDULE				
COLUMN SIZE 2x4 WALL	COLUMN SIZE 2x6 WALL	REMARKS		
(2) 2×4	(2) 2x6	SEE NOTE 2		
(3) 2x4	(3) 2x6	SEE NOTE 2		
(4) 2x4	(4) 2x6	SEE NOTE 2		
4x6 HF#1	4x6 HF#1			
4x8 HF#1	6x6 DF#1	100 C		
4×10 HF#1	6x8 DF#1			
6x10 DF#1	6x10 DF#1	•		
TS4x4x1/4	T\$4x4x1/4	PL 3/4 x 5 x 0'-10"		

TO THE LATEST SIMPSON STRONG-TIE CATALOG FOR PRE-FABRICATED CTION INSTALLATION REQUIREMENTS. 19 STUD COLUMNES SHALL USE CARADE OF STUD INICATED ON WALL NG SCHEDULE. REFER TO DETAIL 3/55.1 FOR FABRICATION OF LE STUD COLUMNES CICKTO TO PROVIDE ELOCKING EQUAL TO COLUMN DIMENSIONS AT FACE FOR COLUMNS CONTINUING TO FOUNDATION.

