

PLANTING LEGEND

TREES: TAG BOTANICAL NAME

ACRV	ACER CIRCINATUM 'PACIFIC FIRE'
AGAS	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'
BNRB	BETULA NIGRA
CJJH	CARPINUS JAPONICA
CNNC	CHAMAECYPARIS NOOTKATENSIS VAR. PENDULA
CKCD	CORNUS KOUSA VAR. CHINENSIS
OASO	OXYDENDRUM ARBOREUM
QCSO	QUERCUS COCCINEA
SMOS	STEWARTIA MONADELPHA
TDPC	TAXODIUM DISTICHUM VAR. IMBRICATUM 'NUTANS'
SHRUBS:	
TAG	BOTANICAL NAME

ASBB	ACANTHUS SPINOSUS
CSYT	CORNUS SERICEA 'FLAVIRAMEA'
DTVH	DAPHNE X TRANSATLANTICA 'SUMMER ICE'
ECEN	ENKIANTHUS CAMPANULATUS 'RED BELLS'
FGDF	FOTHERGILLA GARDENII
FIFO	FOTHERGILLA X INTERMEDIA 'BLUE SHADOW'
HIWH	HAMAMELIS X INTERMEDIA 'DIANE'
KLML	KALMIA LATIFOLIA 'ELF'
LPBL	LONICERA PILEATA
MESC	MAHONIA EURYBRACTEATA 'SOFT CARESS'
MMHM	MAHONIA X MEDIA 'WINTER SUN'
MCCW	MORELLA CALIFORNICA
POLD	PHYSOCARPUS OPULIFOLIUS 'DONNA MAY' LITTLE DEVI
PJJP	PIERIS JAPONICA 'VALLEY VALENTINE'
ROOR	RHODODENDRON ORBICULARE SSP. ORBICULARE
RSFC	RIBES SANGUINEUM 'UBRIC' WHITE ICICLE
SPST	STACHYURUS PRAECOX
SASN	SYMPHORICARPOS ALBUS
VSBB	VACCINIUM 'SUNSHINE BLUE'
VOTE	VACCINIUM OVATUM 'THUNDERBIRD'

FERNSS, GRASSES, & PERENNIALS: TAG BOTANICAL NAME

AMML	ARUNCUS 'MISTY LACE'
BSDF	BLECHNUM SPICANT
DCTH	DESCHAMPSIA CESPITOSA
DPES	DISPOROPSIS PERNYI
HMJF	HAKONECHLOA MACRA 'AUREOLA'
HKRH	HOSTA 'KROSSA REGAL'
PFVS	POLYGONATUM FALCATUM 'VARIEGATUM'
PMSF	POLYSTICHUM MUNITUM

GROUNDCOVERS:

TAG	BOTANICAL NAME
HYMM	
FEMI	70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'
AGGL	ACORUS GRAMINEUS 'OGON'
COSS	CAREX OBNUPTA
CSKD	CORNUS SERICEA 'KELSEYI'
EPFB	EPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'
GSSA	GAULTHERIA SHALLON
MDRA	MICROBIOTA DECUSSATA
POPF	PENNISETUM ORIENTALE 'KARLEY ROSE'
PLDE	PRUNUS LAUROCERASUS 'MOUNT VERNON'
SHSB	SARCOCOCCA HOOKERIANA VAR. HUMILIS
SAAM	SESLERIA AUTUMNALIS

COMMON NAME

RED-BARK VINE MAPLE APPLE SERVICEBERRY RIVER BIRCH JAPANESE HORNBEAM NOOTKA CYPRESS CHINESE DOGWOOD SOURWOOD SCARLET OAK ORANGEBARK STEWARTIA POND CYPRESS

COMMON NAME

BEAR'S BREECHES YELLOW TWIG DOGWOOD VARIEGATED HYBRID DAPHNE ENKIANTHUS DWARF FOTHERGILLA FOTHERGILLA WITCH HAZEL MOUNTAIN LAUREL BOX-LEAF HONEYSUCKLE 'SOFT CARESS' MAHONIA HYBRID MAHONIA CALIFORNIA WAX MYRTLE EVIL LITTLE DEVIL NINEBARK JAPANESE PIERIS ORBICULARE RHODODENDRON FLOWERING CURRANT STACHYURUS SNOWBERRY BLUEBERRY THUNDERBIRD EVERGREEN HUCKLEBERRY

COMMON NAME

MISTY LACE GOATSBEARD DEER FERN TUFTED HAIR GRASS EVERGREEN SOLOMON'S SEAL JAPANESE FOREST GRASS HOSTA VARIEGATED SOLOMON'S SEAL SWORD FERN

COMMON NAME

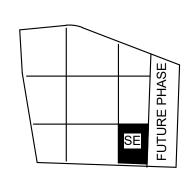
FERN MIX GRASSY-LEAVED SWEET FLAG SLOUGH SEDGE KELSEY DOGWOOD BARRENWORT SALAL RUSSIAN ARBOR-VITAE PINK FOUNTAIN GRASS DWARF ENGLISH LAUREL SWEET BOX AUTUMN MOOR GRASS

HYDROSEED MEADOW MIX



1301 First Avenue, Suite 301 Seattle, WA 98101 http://www.gglo.com

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PROJECT:

EHA BAKER HEIGHTS



PROJECT ADDRESS:

BUILDING	A: 2710	14th	STREET
BUILDING	B: 2715	15th	STREET
BUILDING	C: 2815	15th	STREET
BUILDING	D: 2810	14th	STREET
EVERETT,	WA 982	01	

OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE EVERETT, WA 98201

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MARK DATE DESCRIPTION
REVISIONS

 C
 06/08/2020
 BUILDING PERMIT SUBMITTAL /

 80% HUD SUBMITTAL

 B
 04/10/2020
 DESIGN DEVELOPMENT

 A
 01/07/2020
 SCHEMATIC DESIGN

 MARK
 DATE
 DESCRIPTION

 ISSUE INFORMATION

PROJECT NO.: 201/033.00 GGLO PRINCIPAL IN CHARGE: JON HALL GGLO PROJECT MANAGER: SCOTT SCHREFFLER OWNER APPROVAL:

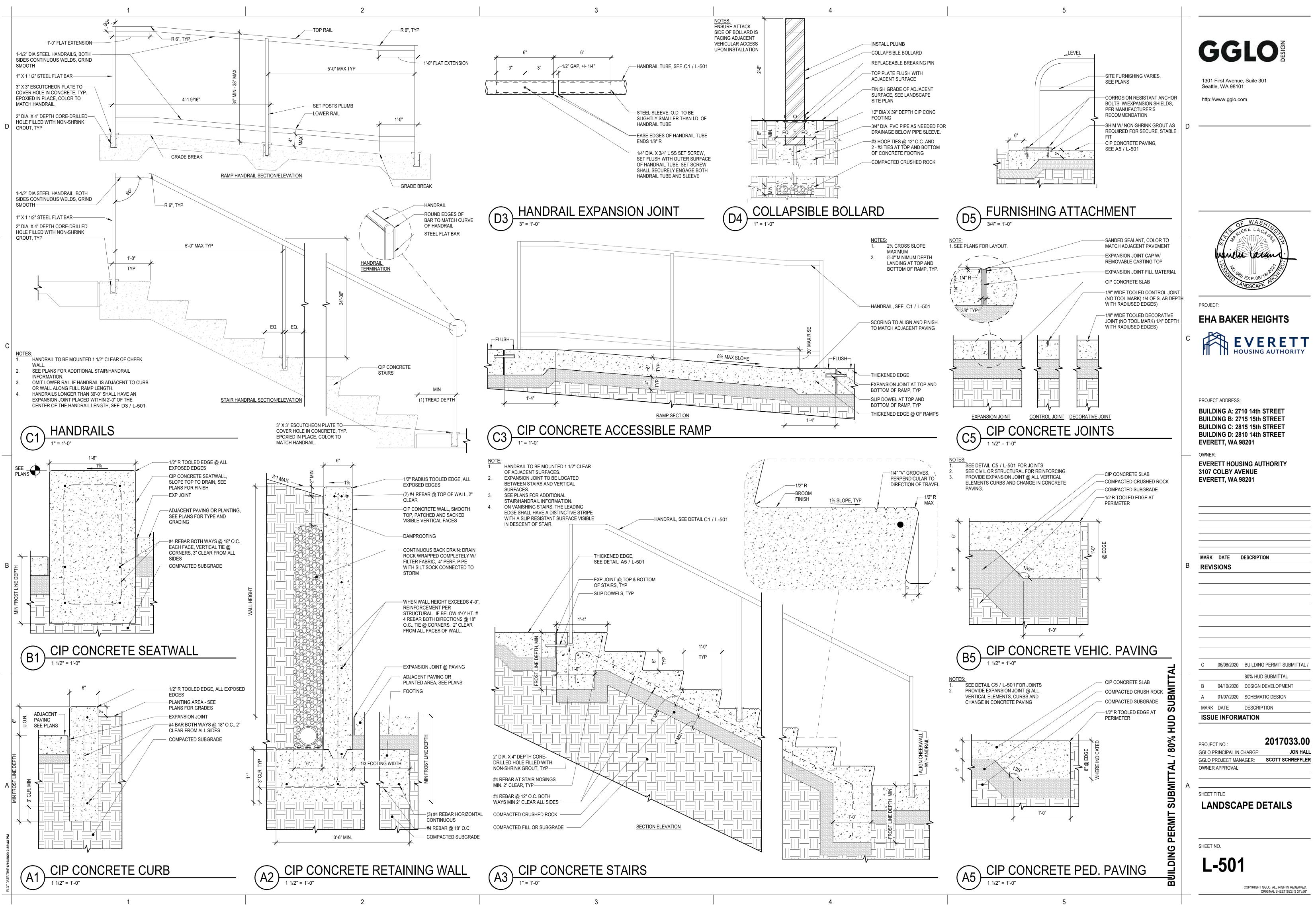
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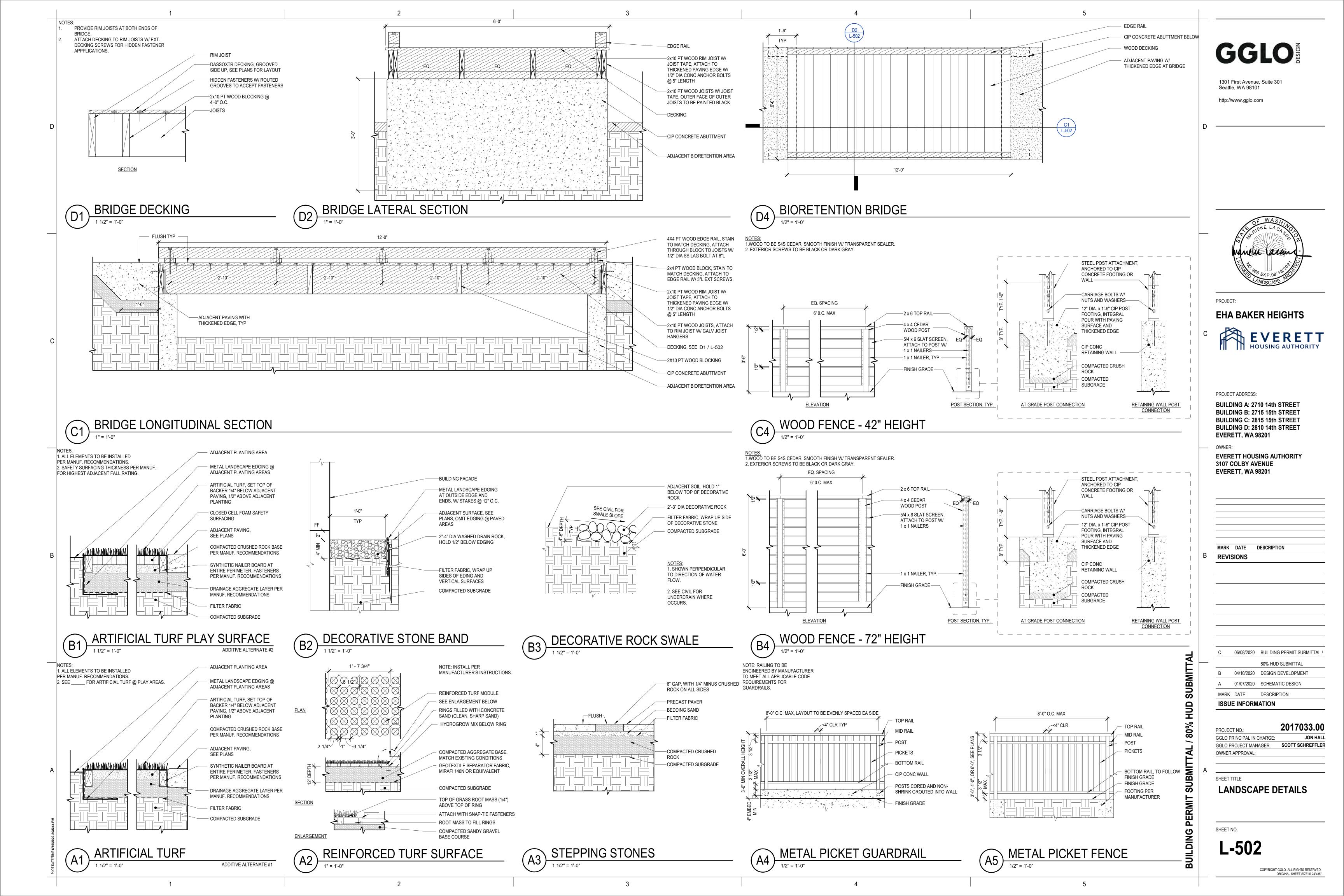
PLANTING PLAN -SOUTHEAST

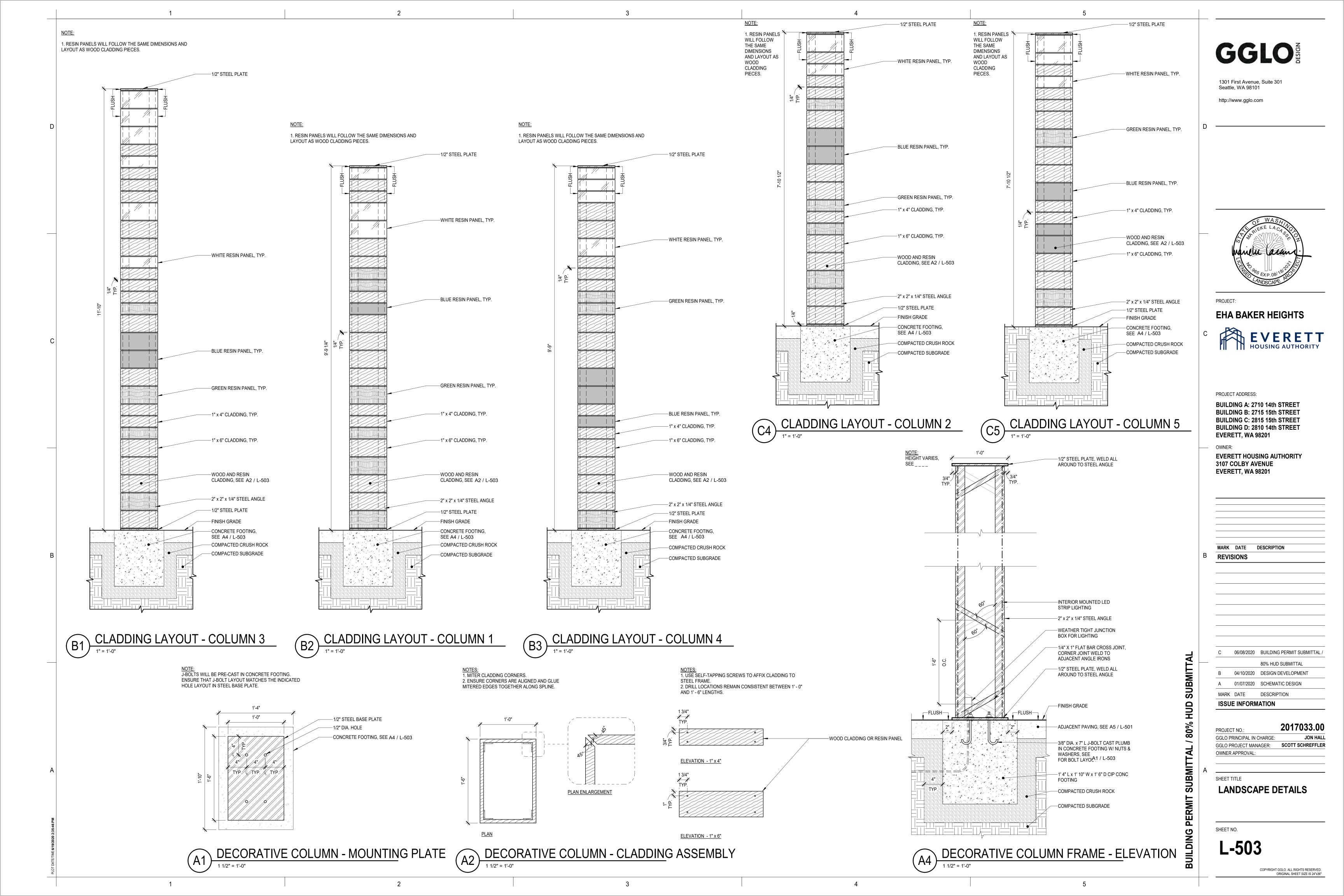
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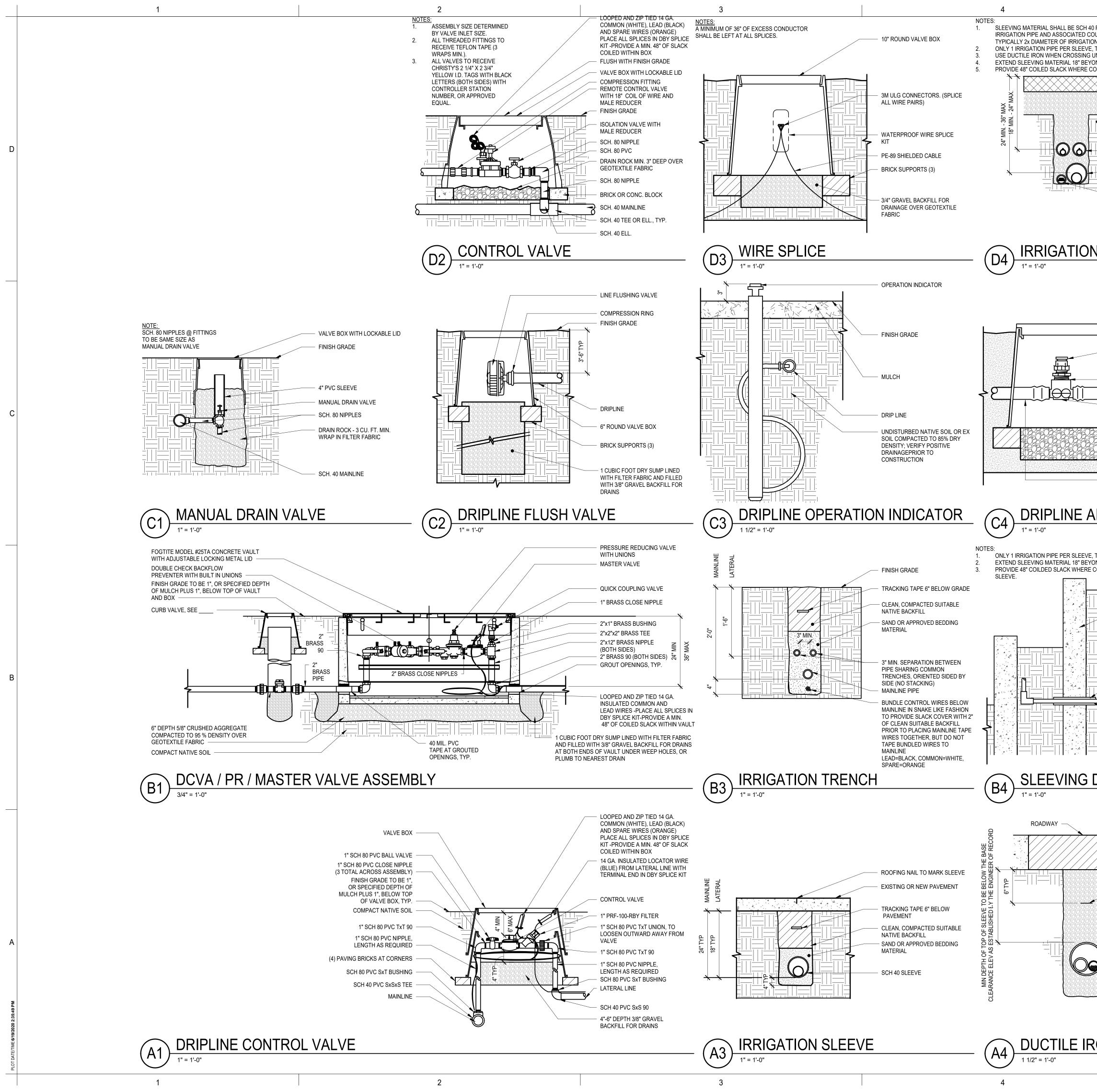
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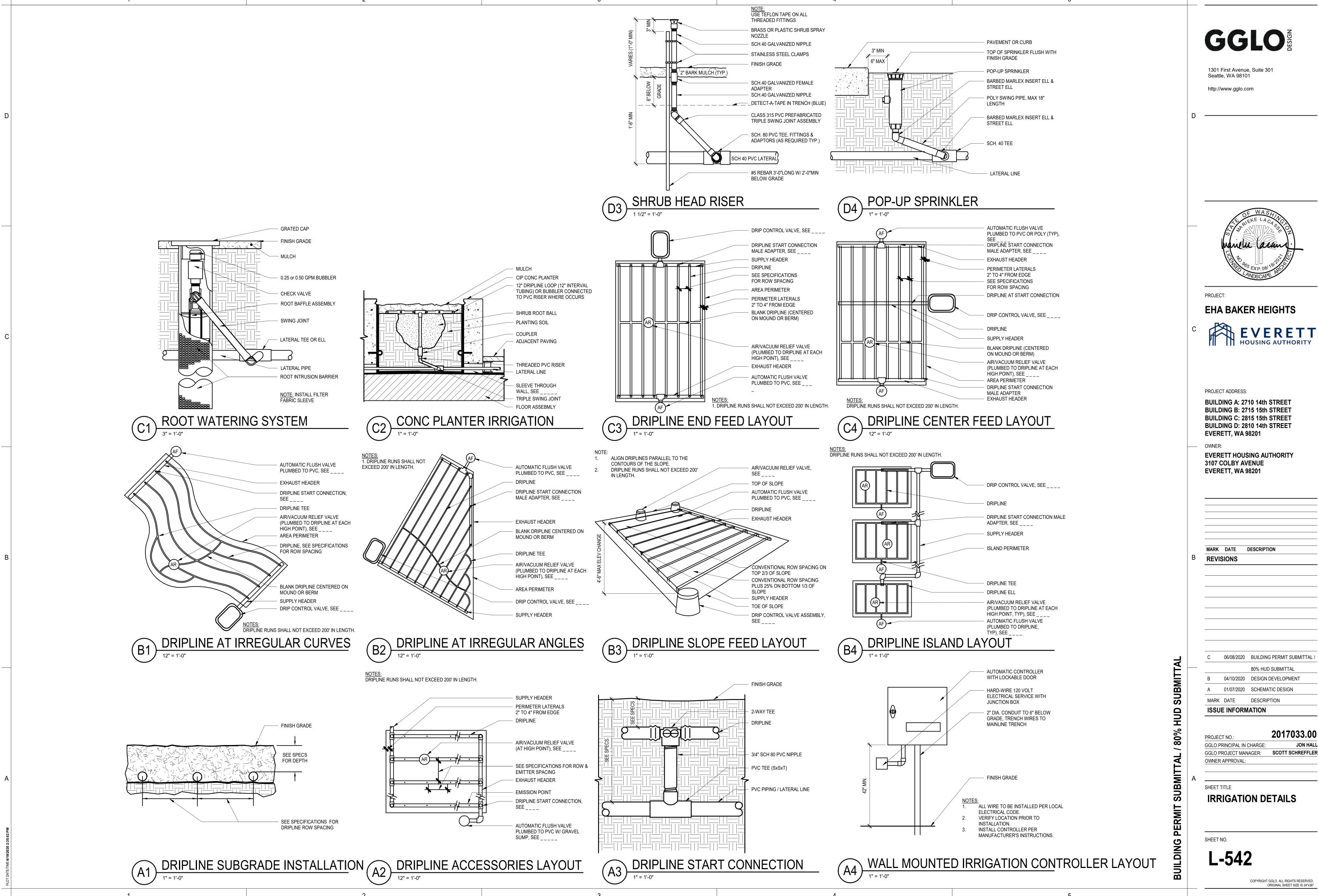


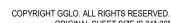


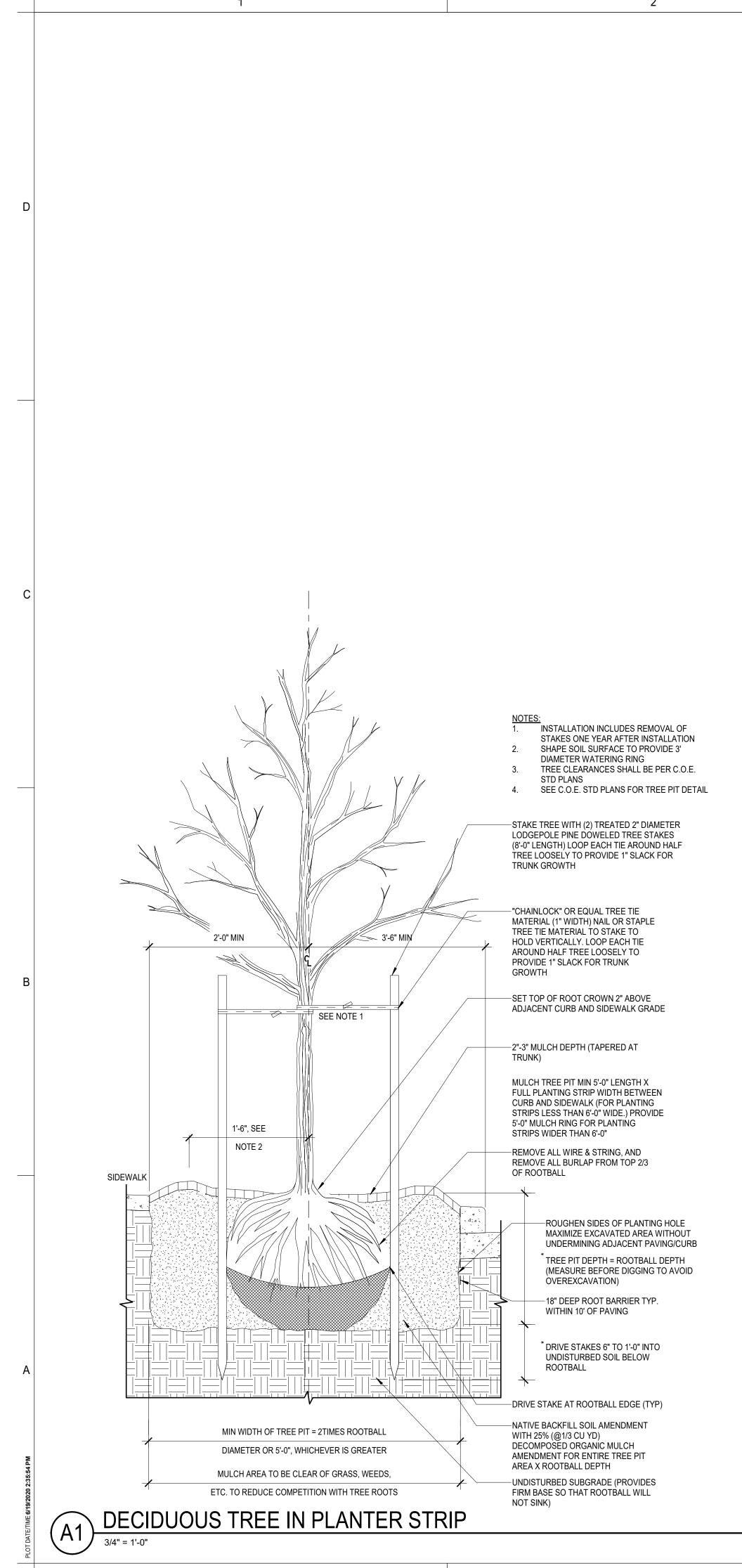
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	LARE ENOUGH TO ALLOW			
UPLINGS TO EASILY SLIP N PIPE. TYP.	THROUGH SLEEVING MATERIAL,			
	D ARTERIAL ROADWAYS.			GGLO
	- FINISH GRADE			
	- HARDSURFACE PAVEMENT PER SPECIFICATIONS			1301 First Avenue, Suite 301
	 COMPACT CSTS OR CONTROLLED DENSITY FILL PER WSDOT 2-09.3(1), OR AS APPROVED BY THE CITY 			Seattle, WA 98101
	INSPECTOR			http://www.gglo.com
			D	
- 	- SCH 40 PVC LATERAL LINE WITH BLUE LOCATOR WIRE IN SLEEVE			
- _ 	- SCH 40 PVC MAINLINE IN SLEEVE			
' 	- RUN CONTROL WIRES			
	SEPARATELY IN 2" ELECTRICAL CONDUIT, TYP.			
	UNDER PAVEMENT			OF WASU
				ELEKE LACA
/	FINISH GRADE			
				maneter aland
	6" ROUND VALVE BOX			CFT 75. 065 EXP.0811812
				LANDSCAPE ARE
\square	RELIEF VALVE			PROJECT:
	- 3/4"M X 1/2"F			EHA BAKER HEIGHTS
	REDUCTION BUSHING			
	2-WAY ADAPTER TEE		С	HOUSING AUTHORITY
28////	BRICK SUPPORTS (3)			I HOUSING AUTHORITY
j	3/4" CRUSHED GRAVEL SUMP OVER GEOTEXTILE			
				PROJECT ADDRESS:
I				BUILDING A: 2710 14th STREET
	IM RELIEF VALVE			BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET
				BUILDING D: 2810 14th STREET EVERETT, WA 98201
				OWNER:
TYP. ND EDGE OF WALL.				EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE
CONTROL WIRES EVTER	AND EXIT THE			EVERETT, WA 98201
	- CONCRETE WALL			
	- TOPSOIL			
	- SCH 40 PVC SLEEVE COORDINATE WITH GENERAL CONTRACTOR			
	- TEE OR ELBOW		В	MARK DATE DESCRIPTION REVISIONS
= _ = = -	- DRAIN SLEEVE PIPE W/ INSDIE			
	DIAMETER 2X THE OUTSIDE DIAMETER OF THE WATERLINE			
-				
	IROUGH WALL			
				C 06/08/2020 BUILDING PERMIT SUBMITTAL /
		TAL	<u> </u>	80% HUD SUBMITTAL
FINISH GRADE		μT		B 04/10/2020 DESIGN DEVELOPMENT
		UBMIT		A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION
		D S		ISSUE INFORMATION
		H		
	- DETECT-A-TAPE SHALL BE 6" BELOW TOP OF TRENCH GRADE	80%		PROJECT NO.: 2017033.00
				GGLO PRINCIPAL IN CHARGE:JON HALLGGLO PROJECT MANAGER:SCOTT SCHREFFLER
	- ALL BACKFILL SHALL BE MINERAL	TAL		OWNER APPROVAL:
	- DUCTILE IRON SLEEVE WITH MAIN OR LATERAL LINES & CONTROL	SUBMITT	A	
	WIRES IN CONDUIT & IN SLEEVE	ŝUB		
y	NOTES:			IRRIGATION DETAILS
	SLEEVE ID SIZE SHALL BE AT LEAST 2 TIMES GREATER THAN	PERMIT		
	OD SIZE OF THE PIPES.			SHEET NO.
		BUILDING		
	WAY IRRIGATION SLEEVE SECTION			L-541
		BU		

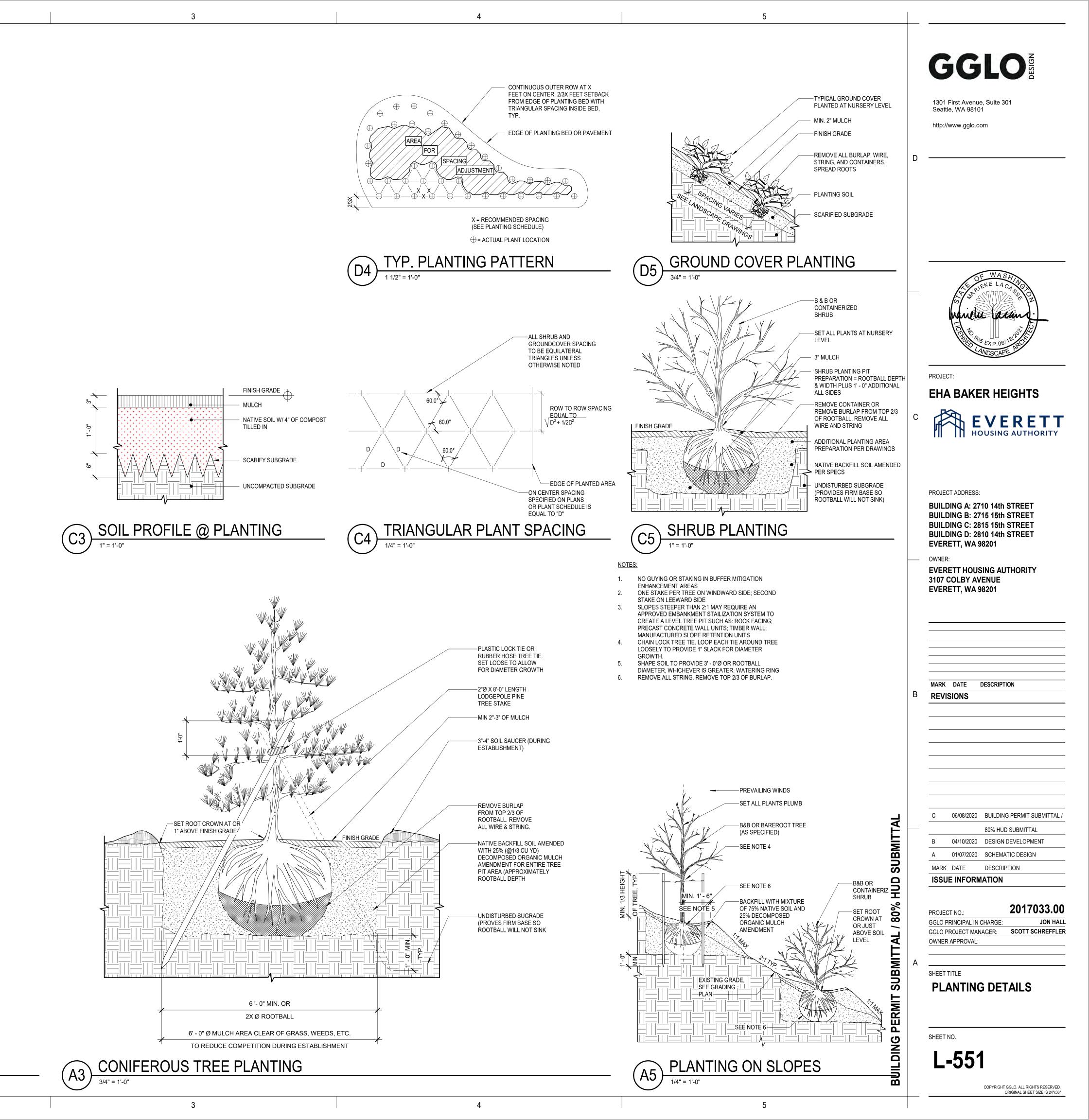
DUCTILE IRON ROADWAY IRRIGATION SLEEVE SECTION

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	IRRIG	GATION NOTES:	l	RRIG
	1.	ALL PROPOSED PLANTING AREAS WILL BE WATERED WITH A COMPLETE IN-GROUND AUTOMATIC IRRIGATION SYSTEM AS SHOWN.	<u>S1</u>	(MBOL
	2.	THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT INSUFFICIENT MEASURED WATER PRESSURE TO THE ARCHITECT.		<
	3.	DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.		<u> (r</u>)
	4.	WHERE THE FIELD CONDITIONS REQUIRE ADJUSTMENTS, IRRIGATION SHALL BE ADDED OR DELETED IN ACCORDANCE WITH THE IRRIGATION LEGEND OR MANUFACTURER'S SPECIFICATIONS. PIPE SIZING SHALL BE ADJUSTED ACCORDINGLY, AND WATER VELOCITY SHALL NOT EXCEED 5 FEET PER SECOND.		(
	5.	THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL LINES FOR OPTIMUM PERFORMANCE.		
	6.	INSTALL BACKFLOW PREVENTION DEVICE AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT REQUIREMENTS.		
	7.	CONTRACTOR SHALL BE RESPONSIBLE FOR SLEEVES, CHASES AND PENETRATIONS UNDER PAVING, THROUGH WALLS, ETC., UNLESS OTHERWISE NOTED PRIOR TO PAVING AND FORMING.		LST R
	8.	THE IRRIGATION SYSTEM IS DESIGNED TO BE WINTERIZED THROUGH THE DRAIN VALVE AT THE POINT OF CONNECTION. COMPRESSED AIR CAN ALSO BE USED THROUGH THE QUICK COUPLER VALVE AT THE POINT OF CONNECTION TO BLOW-OUT THE SPRINKLER		

ZONE. FOR DRIPLINE ZONES, USE 3/4-INCH PVC PIPE IN SLEEVES TO CONNECT PLANTING

10. COORDINATE ALL BUILDING PENETRATIONS WITH ARCHITECTURAL PLANS AND WATERPROOFING REQUIREMENTS.

9.

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AREAS.

5X PIPE I.D CLEARANCE FROM FLOW SENSOR TO FIRST FITTING			9 1
5X PIPE I.D CLE FLOW SENSOR 1			0.25
DE FROM V SENSOR		 SCH 40 PVC PIPE FROM FIRST FITTING TO CONTROL VALVES SCH 80 PVC PIPE FROM FLOW SENSOR TO FIRST FITTING FLOW SENSOR SCH 80 PVC PIPE FROM MASTER VALVE TO FLOW SENSOR MASTER VALVE SCH 80 PVC PIPE FROM FIRST FITTING TO MASTER VALVE BRASS PIPE FROM DCVA TO FIRST FITTING 	<u>SYMBOL</u>
10 X PIPE I.D. CLEARANCE FROM MASTER VALVE TO FLOW SENSOR		 1" BUCKNER QB5 LRC-10 QUICK COUPLING VALVE OPTIONAL WILKINS 600 SERIES PRESSURE REDUCING VALVE IN BUILDING OR CONCRETE VAULT DOUBLE CHECK BACKFLOW PREVENTER 	<u>SYMBOL</u>
	CV CV	BRASS PIPE FROM CURB VALVE TO DCVA CURB VALVE IN CAST IRON BOX BRASS PIPE FROM METER TO CURB VALVE	PC בי
		MAIN WATER METER WATER SERVICE MAINLINE	

RIGATION SCHEDULE

IGATION	SCHEDULE		
2	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	HUNTER MP CORNER PROS-06-PRS40-CV TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. T=TURQUOISE ADJ ARC 45-105.	1	40
KGR	HUNTER MP2000 PROS-06-PRS40-CV TURF ROTATOR, 6" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	11	40
Ō	HUNTER MP CORNER PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. T=TURQUOISE ADJ ARC 45-105 ON PRS40 BODY.	9	40
LST RST SST	HUNTER MP STRIP PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. LST=IVORY LEFT STRIP, SST=BROWN SIDE STRIP, RST=COPPER RIGHT STRIP, ON PRS40 BODY.	52	40
ADJ. 360	HUNTER MP800SR PROS-00-PRS40 SHRUB ROTATOR, FIXED-RISER HEAD CLEAR OF FLOOD LEVEL, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. OR = ORANGE ADJ ARC 90 TO 210.	8	40
0	HUNTER MP800SR PROS-12-PRS40-CV SHRUB ROTATOR, 12.0" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY. OR = ORANGE ADJ ARC 90 TO 210.	65	40
	HUNTER MP815 PROS-12-PRS40-CV SHRUB ROTATOR, 12" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE. M=MAROON AND GRAY ADJ ARC 90 TO 210, L=LIGHT BLUE AND GRAY 210 TO 270 ARC, O=OLIVE AND GRAY 360 ARC ON PRS40 BODY.	23	40
0.25 0.50	HUNTER RZWS-SLEEVE-36-CV 36" LONG RZWS WITH FILTER FABRIC SLEEVE, .25GPM OR .50GPM BUBBLER OPTIONS, CHECK VALVE, 1/2" SWING JOINT FOR CONNECTION TO 1/2" PIPE	500	40
	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	HUNTER ICZ-151-XL-40 DRIP CONTROL ZONE KIT. 1-1/2" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 40PSI. FLOW RANGE: 20 GPM TO 60 GPM. 120 MESH STAINLESS STEEL SCREEN. 1-1/2" INLET X SINGLE 2" OUTLET	9	
	AREA TO RECEIVE DRIPLINE HUNTER HDL-04-12-CV HDL-04-12-CV: HUNTER DRIPLINE W/ 0.4 GPH EMITTERS AT 12" O.C. CHECK VALVE, DARK BROWN TUBING WITH TAN STRIPING. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.	37,865 L.F.	
	MANUFACTURER/MODEL/DESCRIPTION	QTY	
•	HUNTER ICV-G 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	16	
С	RAIN BIRD ESP8LXMEF WITH (03) ESPLXMSM4 20 STATION COMMERCIAL CONTROLLER. MOUNTED ON A PLASTIC WALL MOUNT. FLOW SENSING AND WATER MANAGEMENT CAPABILITIES.	1	
POC H	POINT OF CONNECTION 2"	1	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	9,085 L.F.	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	1,227 L.F.	
	PIPE SLEEVE: PVC CLASS 200 SDR 21 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. Valve Callout	658.8 L.F.	
(<u> </u>	Valve Number		
(#•)#•	Valve Flow Valve Size		

#"•/ Valve Size

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GGLO 1301 First Avenue, Suite 301 Seattle, WA 98101 http://www.gglo.com mu alla PROJECT: EHA BAKER HEIGHTS HOUSING AUTHORITY PROJECT ADDRESS: BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201** OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WA 98201** MARK DATE DESCRIPTION REVISIONS в -C 06/08/2020 BUILDING PERMIT SUBMITTAL / 80% HUD SUBMITTAL B 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION** 2017033.00 PROJECT NO .: GGLO PRINCIPAL IN CHARGE: JON HALL GGLO PROJECT MANAGER: SCOTT SCHREFFLER OWNER APPROVAL:

SHEET TITLE

A

SUBMIT⁻

HUD

80%

SUBMITTAL

BUILDING PERMIT

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IRRIGATION SCHEDULE AND NOTES

SHEET NO.

L-641

D		
C		
В		
PLOT DATE/TIME 6/19/2020 2:36:03 PM		

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PLANTING NOTES:

- ALL FURNISHED PLANT MATERIAL SHALL COMPLY WITH ANSI Z60.1 AND THE DRAWINGS. SUBMIT PRODUCT DATA, QUANTITY, AND SIZE INFORMATION FOR ALL PLANTS AND PRODUCTS.
- SUBMIT SAMPLES OF ALL {MULCH, WEED BARRIER, EDGING MATERIALS, AND ROOT 3.
- BARRIERS} TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. PLANT SUBSTITUTIONS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR 4
- REVIEW AND APPROVAL. LANDSCAPE ARCHITECT SHALL INSPECT ALL PLANTS ON SITE OR AT THE NURSERY 5. BEFORE PLANTING COMMENCES. NOTIFY LANDSCAPE ARCHITECT AT LEAST 7 DAYS
- PRIOR TO PLANT DELIVERY TO THE SITE. DO NOT PLANT DURING FREEZING CONDITIONS OR ABOVE 90°F.
- PLANTING AREAS ARE TO BE FREE OF ALL FOREIGN AND DELETERIOUS MATERIAL AND
- HAVE ADEQUATE MOISTURE FOR PLANTING. INSTALL PLANTING FERTILIZER TABLETS IN EACH PLANTING HOLE. TABLETS SHALL HAVE 8. A [20:10:5] NUTRIENT COMPOSITION. PROVIDE (1) TABLET FOR GROUNDCOVERS AND SMALL SHRUBS, (2) TABLETS FOR MEDIUM TO LARGE SHRUBS, AND (3) TABLETS PER
- EACH CALIPER INCH FOR TREES. INSTALL ROOT BARRIER PER DRAWINGS AND DETAILS. 9. USE INTEGRATED PEST MANAGEMENT PRACTICES. DO NOT APPLY PESTICIDES UNLESS 10 WRITTEN AUTHORIZATION FROM THE OWNER IS RECEIVED.
- DURING AND AFTER PLANT INSTALLATION, CLEAN ADJACENT AREAS OF ALL DEBRIS AND 11 REMOVE SURPLUS MATERIALS. REMOVE NURSERY TAGS, NURSERY STAKES, TIE TAPE, WIRE, BURLAP, AND OTHER DEBRIS FROM PLANTS.
- 12. PLANT MATERIALS SHALL BE WARRANTED BY THE INSTALLER FOR A PERIOD OF (1) YEAR FROM TIME OF INSTALLATION. CONTRACTOR SHALL OFFER MAINTENANCE SERVICES FOR A PERIOD OF (6) MONTHS 13.
- FROM TIME OF INSTALLATION AT OWNER'S EXPENSE AND DISCRETION. 14. PLANTED AREAS TO BE IRRIGATED WITH A LOW WATER-USE, FULL HEAD-TO-HEAD COVERAGE OR 6" BELOW GROUND LEVEL DRIP IRRIGATION SYSTEM.

SOIL PREPARATION NOTES:

- BEFORE CONSTRUCTION BEGINS, HAVE A CERTIFIED LABORATORY SOIL TEST 1. PERFORMED THAT ANALYZES PHYSICAL, CHEMICAL, AND BIOLOGICAL PROPERTIES PER SOIL SCIENCE SOCIETY OF AMERICA'S METHODS OF SOIL ANALYSIS. SUBMIT THE SOIL REPORT TO THE OWNER AND LANDSCAPE ARCHITECT BEFORE IMPORTED TOPSOIL AND AMENDMENTS ARE ACQUIRED.
- 2. SUBMIT SAMPLES AND THE PRODUCT DATA OF EACH TYPE OF SOIL TO BE USED TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
- REMOVE 12" OF EXISTING SOIL DEPTH AND PLACE 12" OF IMPORTED TOPSOIL. PLACE 3" OF COMPOSTED MULCH ON TOP.
- STOCKPILE AND PRESERVE ANY EXISTING TOPSOIL ON SITE IF DEEMED SUITABLE. IMPORTED TOPSOIL SHALL HAVE A PH RANGE OF 6-7, A MINIMUM OF 20% ORGANIC-MATTER CONTENT, HAVE A SANDY LOAM STRUCTURE, BE FRIABLE, AND POSSESS THE CHEMICAL, NUTRIENT, AND BIOLOGICAL CONTENT NECESSARY FOR HEALTHY PLANT GROWTH. TOPSOIL SHALL BE FREE OF FOREIGN OR DELETERIOUS MATERIAL AND SHALL BE FREE OF WEEDS AND SEEDS.
- REMOVE FOREIGN AND DELETERIOUS MATERIALS FROM NATIVE SOIL BEFORE 6.
- AMENDING.
- PLANTING SOIL SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 80% PROCTOR DENSITY AND SMOOTHED TO A LOOSE, FINE UNIFORM FINISH TO MEET FINISH GRADES.
- DO NOT WORK SOIL OR APPLY AMENDMENTS IF CONDITIONS ARE FROZEN, MUDDY, OR 8. EXCESSIVELY WET.

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DO NOT MIX SOIL IN TREE PROTECTION ZONES. 9.

PLANT SCHEDULE

DECIDUOUS TREES

DECIDUOL	JS TREES		
QTY.	TAG	BOTANICAL NAME	COMMON NAME
41	ACRV	ACER CIRCINATUM 'PACIFIC FIRE'	RED-BARK VINE M
27	AGAS	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	APPLE SERVICEB
3	BNRB	BETULA NIGRA	RIVER BIRCH
6	CJJH	CARPINUS JAPONICA	JAPANESE HORNI
29	CKCD	CORNUS KOUSA VAR. CHINENSIS	CHINESE DOGWO
20	OASO	OXYDENDRUM ARBOREUM	SOURWOOD
21	QCSO	QUERCUS COCCINEA	SCARLET OAK
10	SMOS	STEWARTIA MONADELPHA	ORANGEBARK ST
EVERGRE	EN TREES	i de la construcción de la constru	
QTY.	TAG	BOTANICAL NAME	COMMON NAME
14	CNNC	CHAMAECYPARIS NOOTKATENSIS VAR. PENDULA	NOOTKA CYPRES
2	TDPC	TAXODIUM DISTICHUM VAR. IMBRICATUM 'NUTANS'	POND CYPRESS
SHRUBS			
QTY.	TAG	BOTANICAL NAME	COMMON NAME
97	ASBB	ACANTHUS SPINOSUS	BEAR'S BREECHE
51	CSYT	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DC
78	DTVH	DAPHNE X TRANSATLANTICA 'SUMMER ICE'	VARIEGATED HYE
39	ECEN	ENKIANTHUS CAMPANULATUS 'RED BELLS'	ENKIANTHUS
287	FGDF	FOTHERGILLA GARDENII	DWARF FOTHERG
128	FIFO	FOTHERGILLA X INTERMEDIA 'BLUE SHADOW'	FOTHERGILLA
5	HIWH	HAMAMELIS X INTERMEDIA 'DIANE'	WITCH HAZEL
244	KLML	KALMIA LATIFOLIA 'ELF'	MOUNTAIN LAURE
360	LPBL		BOX-LEAF HONEY
372	MESC	MAHONIA EURYBRACTEATA 'SOFT CARESS'	'SOFT CARESS' M
20	MMHM	MAHONIA X MEDIA 'WINTER SUN'	HYBRID MAHONIA
13	MCCW		
239 124	POLD	PHYSOCARPUS OPULIFOLIUS 'DONNA MAY' LITTLE DEVIL	
124 81	pjjp Roor	PIERIS JAPONICA 'VALLEY VALENTINE' RHODODENDRON ORBICULARE SSP. ORBICULARE	JAPANESE PIERIS
01 18	RSFC	RIBES SANGUINEUM 'UBRIC' WHITE ICICLE	FLOWERING CUR
10 4	SPST	STACHYURUS PRAECOX	STACHYURUS
4 49	SASN	SYMPHORICARPOS ALBUS	SNOWBERRY
49 85	VSBB	VACCINIUM 'SUNSHINE BLUE'	BLUEBERRY
91	VOTE	VACCINIUM OVATUM 'THUNDERBIRD'	THUNDERBIRD E

FERNS, GRASSES & PERENNIALS

17BSDFBLECHNUM SPICANTDEER FERN TUFTED HAR O106DCTHDESCHAMPSIA CESPITOSATUFTED HAR O270DPESDISPOROPSIS PERNYIEVERGREEN S414HMJFHAKONECHLOA MACRA 'AUREOLA'JAPANESE FOF6HKRHHOSTA 'KROSSA REGAL'HOSTA140PFVSPOLYGONATUM FALCATUM 'VARIEGATUM'VARIEGATED S469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSCOMMON NAME324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBC155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN	QTY.	TAG	BOTANICAL NAME	COMMON NAME
106DCTHDESCHAMPSIA CESPITOSATUFTED HAR G270DPESDISPOROPSIS PERNYIEVERGREEN S414HMJFHAKONECHLOA MACRA 'AUREOLA'JAPANESE FOF6HKRHHOSTA 'KROSSA REGAL'HOSTA140PFVSPOLYGONATUM FALCATUM 'VARIEGATUM'VARIEGATED S469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSOTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBC155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCCA HOOKERIANA VAR. HUMILISSWEET BOX	223	AMML	ARUNCUS 'MISTY LACE'	MISTY LACE GOA
270DPESDISPOROPSIS PERNYIEVERGREEN S414HMJFHAKONECHLOA MACRA 'AUREOLA'JAPANESE FOR6HKRHHOSTA 'KROSSA REGAL'HOSTA140PFVSPOLYGONATUM FALCATUM 'VARIEGATUM'VARIEGATED S469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSOTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBC155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCCA HOOKERIANA VAR. HUMILISSWEET BOX	17	BSDF	BLECHNUM SPICANT	DEER FERN
414HMJFHAKONECHLOA MACRA 'AUREOLA'JAPANESE FOF6HKRHHOSTA 'KROSSA REGAL'HOSTA140PFVSPOLYGONATUM FALCATUM 'VARIEGATUM'VARIEGATED S469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSQTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBC155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIG315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	106	DCTH	DESCHAMPSIA CESPITOSA	TUFTED HAIR GR
6HKRHHOSTA 'KROSSA REGAL'HOSTA140PFVSPOLYGONATUM FALCATUM 'VARIEGATUM'VARIEGATED S469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSQTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDGG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	270	DPES	DISPOROPSIS PERNYI	EVERGREEN SOL
140PFVSPOLYGONATUM FALCATUM 'VARIEGATUM'VARIEGATED S469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSQTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDGG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBOC155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCCA HOOKERIANA VAR. HUMILISSWEET BOX	414	HMJF	HAKONECHLOA MACRA 'AUREOLA'	JAPANESE FORE
469PMSFPOLYSTICHUM MUNITUMSWORD FERNGROUNDCOVERSQTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	6	HKRH	HOSTA 'KROSSA REGAL'	HOSTA
GROUNDCOVERSQTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCCA HOOKERIANA VAR. HUMILISSWEET BOX	140	PFVS	POLYGONATUM FALCATUM 'VARIEGATUM'	VARIEGATED SO
QTYTAGBOTANICAL NAMECOMMON NAM324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	469	PMSF	POLYSTICHUM MUNITUM	SWORD FERN
324FEMI70% DRYOPTERIS LEPIDOPODA, 30% EPIMEDIUM X RUBRUM 'SWEETHEART'FERN MIX1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	GROUNDC	OVERS		
RUBRUM 'SWEETHEART'1437AGGLACORUS GRAMINEUS 'OGON'GRASSY-LEAVE150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	QTY	TAG	BOTANICAL NAME	COMMON NAME
150COSSCAREX OBNUPTASLOUGH SEDG308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	324	FEMI		FERN MIX
308CSKDCORNUS SERICEA 'KELSEYI'KELSEY DOGW429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	1437	AGGL	ACORUS GRAMINEUS 'OGON'	GRASSY-LEAVED
429EPFBEPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'BARRENWORT553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	150	COSS	CAREX OBNUPTA	SLOUGH SEDGE
553GSSAGAULTHERIA SHALLONSALAL120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	308	CSKD	CORNUS SERICEA 'KELSEYI'	KELSEY DOGWO
120MDRAMICROBIOTA DECUSSATARUSSIAN ARBO155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	429	EPFB	EPIMEDIUM X PERRALCHIUM 'FROHNLEITEN'	BARRENWORT
155POPFPENNISETUM ORIENTALE 'KARLEY ROSE'PINK FOUNTAIN175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	553	GSSA	GAULTHERIA SHALLON	SALAL
175PLDEPRUNUS LAUROCERASUS 'MOUNT VERNON'DWARF ENGLIS315SHSBSARCOCOCCA HOOKERIANA VAR. HUMILISSWEET BOX	120	MDRA	MICROBIOTA DECUSSATA	RUSSIAN ARBOR
315 SHSB SARCOCOCCA HOOKERIANA VAR. HUMILIS SWEET BOX	155	POPF	PENNISETUM ORIENTALE 'KARLEY ROSE'	PINK FOUNTAIN (
	175	PLDE	PRUNUS LAUROCERASUS 'MOUNT VERNON'	DWARF ENGLISH
654 SAAM SESLERIA AUTUMNALIS AUTUMN MOOF	215	CHCB	SARCOCOCCA HOOKERIANA VAR HUMILIS	SWEET BOX
	315	01100		OWLET BOX

SEED MIX		
TAG	AREA	COMMON NAME

HYMM 33,360 SF HYDROSEED MEADOW MIX

REMARKS

4

ON NAME	MIN. HT	CONT.	REMARKS
ARK VINE MAPLE	10'-0"	B&B	3-5 MULTISTEM
SERVICEBERRY	12'-0"	B&B	
BIRCH	12'-0"	B&B	3-5 MULTISTEM
ESE HORNBEAM	12'-0"	B&B	
SE DOGWOOD	12'-0"	B&B	
VOOD	12'-0"	B&B	
ET OAK	15'-0"	B&B	
SEBARK STEWARTIA	10'-0"	B&B	

DN NAME	CAL.	CONT.	REMARKS
A CYPRESS	2"	B&B	
CYPRESS	2 1/2"	B&B	

	CONT.
BREECHES	2 GAL
V TWIG DOGWOOD	5 GAL
ATED HYBRID DAPHNE	5 GAL
THUS	5 GAL
FOTHERGILLA	1 GAL
RGILLA	2 GAL
HAZEL	15 GAL
AIN LAUREL	2 GAL
AF HONEYSUCKLE	2 GAL
ARESS' MAHONIA	1 GAL
MAHONIA	5 GAL
RNIA WAX MYRTLE	5 GAL
DEVIL NINEBARK	2 GAL
SE PIERIS	5 GAL
LARE RHODODENDRON	5 GAL
RING CURRANT	5 GAL
/URUS	5 GAL
ERRY	1 GAL

EVERGREEN HUCKLEBERRY	5 GAL

NAME	CONT.	REMARKS
ACE GOATSBEARD	1 GAL	
RN	1 GAL	
HAIR GRASS	1 GAL	
EEN SOLOMON'S SEAL	1 GAL	
E FOREST GRASS	1 GAL	
	1 GAL	
TED SOLOMON'S SEAL	1 GAL	

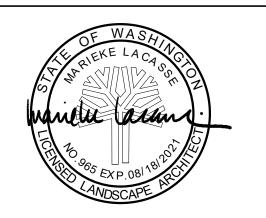
2 GAL

1 GAL

COMMON NAME	CONT.	OC SPACING	REMARKS
FERN MIX	1 GAL	18"	CREATE CLUSTERS OF 3, 5 & 7 OF THE EPIMEDIUM MIXED IN BETWEEN THE DRYOPTERIS
GRASSY-LEAVED SWEET FLAG	1 GAL	15"	
SLOUGH SEDGE	1 GAL	18"	
KELSEY DOGWOOD	1 GAL	24"	
BARRENWORT	1 GAL	18"	
SALAL	1 GAL	18"	
RUSSIAN ARBOR-VITAE	1 GAL	30"	
PINK FOUNTAIN GRASS	1 GAL	24"	
DWARF ENGLISH LAUREL	1 GAL	24"	
SWEET BOX	1 GAL	24"	
AUTUMN MOOR GRASS	1 GAL	18"	

CONT. REMARKS

GGLO 1301 First Avenue, Suite 301 Seattle, WA 98101 http://www.gglo.com



PROJECT:

EHA BAKER HEIGHTS



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET **BUILDING D: 2810 14th STREET** EVERETT, WA 98201

OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WA 98201**

.◄

BMI

S

HUD

80%

A

TIM

SUBI

PERN

BUILDING

5

MARK DATE DESCRIPTION

REVISIONS

C 06/08/2020 BUILDING PERMIT SUBMITTAL /

80% HUD SUBMITTAL B 04/10/2020 DESIGN DEVELOPMENT

A 01/07/2020 SCHEMATIC DESIGN

MARK DATE DESCRIPTION

ISSUE INFORMATION

PROJECT NO .:

2017033.00

GGLO PRINCIPAL IN CHARGE:

JON HALL

GGLO PROJECT MANAGER: SCOTT SCHREFFLER OWNER APPROVAL:

SHEET TITLE

PLANTING SCHEDULE AND NOTES

SHEET NO.

L-651

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GENERAL STRUCTURAL NOTES

The following apply unless otherwise noted on plans

GENERAL REQUIREMENTS

ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2015 EDITION) AS AMENDED BY THE WASHINGTON STATE BUILDING CODE DATED JULY 1, 2016.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. REFER TO ARCH'L DRAWINGS FOR OPENINGS, ARCH'L TREATMENTS, AND DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL INFORMATION SHOWN ON DRAWINGS AND REGARDING EXISTING CONDITIONS SHALL BE VERIFIED.

CONTRACTOR SHALL DESIGN AND PROVIDE TEMPORARY SUPPORT FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF EXCAVATION. SHORING AND OTHER WORK WITH ALL UTILITIES AND ADJACENT PROPERTIES. FOR CONCRETE CONSTRUCTION, CONTRACTOR SHALL DESIGN, FABRICATE, INSTALL AND REMOVE FORMWORK IN ACCORDANCE WITH ACI 318-14 SECTION 26.11.1 "DESIGN OF FORMWORK" AND SECTION 26.11.2 "REMOVAL OF FORMWORK".

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THEIR WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTION OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.

CONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.

REQUESTS FOR INFORMATION (RFI) SHALL INCLUDE, AT A MINIMUM, A DETAILED WRITTEN STATEMENT THAT INDICATES THE SPECIFIC DRAWINGS OR SPECIFICATIONS IN NEED OF CLARIFICATION AND THE NATURE OF THE CLARIFICATION REQUESTED.

SITE VISITS BY THE STRUCTURAL ENGINEER ARE FOR THE PURPOSE OF PERFORMING PERIODIC OBSERVATION OF THE WORK RELATING TO THE DESIGN CONCEPT EXPRESSED AND INFORMATION SHOWN IN THE STRUCTURAL ENGINEER'S CONTRACT DOCUMENTS. THE STRUCTURAL ENGINEER IS NOT REQUIRED TO PERFORM EXHAUSTIVE OR CONTINUOUS ON-SITE OBSERVATIONS OR INSPECTIONS TO CHECK THE QUALITY OR QUANTITY OF WORK PERFORMED. THE STRUCTURAL ENGINEER DOES NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY PRECAUTIONS, OR PROGRAMS OR ENFORCEMENT. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION OF THE PROJECT OR FOR THE CONTRACTOR'S OR SUBCONTRACTORS' SCHEDULE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS NOR SHALL THE STRUCTURAL ENGINEER HAVE CONTROL OVER OR CHARGE OF OR BE RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR(S), OR OTHER PERSONS PERFORMING THE WORK.

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

STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE IN CONFORMANCE WITH INSTRUCTIONS PREPARED BY THE MANUFACTURER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION.

SUBMITTALS AND SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER (AND BUILDING DEPARTMENT AS REQUIRED) FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS: CONCRETE REINFORCING STEEL, STRUCTURAL STEEL, METAL DECKING, GLUED LAMINATED MEMBERS, ENGINEERED WOOD PRODUCTS (JOISTS, BEAMS, POSTS, etc), CONNECTOR PLATE WOOD TRUSSES, HOLDOWN SYSTEM, PV ARRAY SYSTEM and ELEVATOR SYSTEM.

SUBMITTAL AND SHOP DRAWING REVIEW: STRUCTURAL ENGINEER'S REVIEW OF SHOP DRAWINGS AND CONTRACTOR SUBMITTALS SHALL BE FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE STRUCTURAL CONTRACT DOCUMENTS. REVIEW OF SUCH SUBMITTALS IS NOT CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF ITEMS SUCH AS DIMENSIONS, QUANTITIES, INSTALLATION INSTRUCTIONS OR PERFORMANCE OF EQUIPMENT OR SYSTEMS. CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS AND SUBMITTALS, PRIOR TO SUBMITTAL TO STRUCTURAL ENGINEER, FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, AND ALL RELATED SAFETY PRECAUTIONS AND PROGRAMS. BY SUBMITTING SHOP DRAWINGS AND SIMILAR SUBMITTALS, THE CONTRACTOR REPRESENTS TO THE OWNER, ARCHITECT AND ENGINEER THAT THE CONTRACTOR HAS 1) REVIEWED AND APPROVED THE SHOP DRAWINGS AND SUBMITTALS, 2) DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO, AND 3) CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS.

CONTRACTOR SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN CONTRACTOR SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE CONTRACT DOCUMENTS SHALL CONTROL AND SHALL BE FOLLOWED.

SUBMITTALS OF DESIGN BUILD COMPONENTS INCLUDING GUARDS, ROOF ANCHOR SYSTEM, HOLDOWN SYSTEM, PV ARRAY SYSTEM AND ELEVATOR SYSTEM SYSTEM SHALL INCLUDE THE DESIGNING PROFESSIONAL ENGINEER'S STAMP, STATE OF WASHINGTON AND SHALL BE APPROVED BY THE COMPONENT DESIGNER PRIOR TO CURSORY REVIEW BY THE ENGINEER OF RECORD FOR LOADS IMPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. SUBMITTALS SHALL INDICATE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED ON BASIC STRUCTURE. DESIGN CALCULATIONS SHALL BE MADE AVAILABLE UPON REQUEST.

SPECIAL INSPECTION: SHALL BE SUPERVISED IN ACCORDANCE WITH SECTION 1704 OF THE INTERNATIONAL BUILDING CODE AND THE PROJECT SPECIFICATIONS BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION REPORTS AND TEST RESULTS. THE SPECIAL INSPECTOR SHALL ALSO INSPECT ALL ITEMS NOTED IN STRUCTURAL ENGINEER'S SITE OBSERVATION REPORTS. SEE S004 AND 005 FOR REQUIRED SPECIAL INSPECTIONS.

ALL SPECIAL INSPECTORS SHALL BE REGISTERED WITH THE WASHINGTON ASSOCIATION OF BUILDING OFFICIALS.

ARCHITECTURAL, MECHANICAL, FIRE PROTECTION, ELECTRICAL, PLUMBING SYSTEMS AND THEIR COMPONENTS: THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND CONSTRUCTION DOCUMENTS AS REQUIRED BY THE JURISDICTION FOR SUCH SYSTEMS. CONFORMANCE WITH ASCE 7-10 CHAPTER 13 IS REQUIRED; REFER TO THE STATEMENT OF SPECIAL INSPECTIONS ON S004 FOR ADDITIONAL REQUIREMENTS. THE SYSTEM AND COMPONENT ENGINEERS SHALL INDICATE LOADS IMPOSED ON THE PRIMARY STRUCTURE; THE STRUCTURAL ENGINEER OF RECORD SHALL DESIGN THE PRIMARY STRUCTURE OF THE BUILDING TO SUPPORT THESE IMPOSED LOADS.

ELECTRICAL PANELS SHALL BE LOCATED IN NON-STRUCTURAL WALLS. SLEEVES AND PIPING IN STUD WALLS SHALL NOT INTERFERE WITH HOLDOWN ASSEMBLIES.

ELEVATOR GUIDE RAIL BRACKETS AND DIVIDER BEAMS: STRUCTURAL SUPPORT DETAILS ARE INDICATED ON 16/S402. CONTRACTOR SHALL COORDINATE THESE DETAILS WITH THE REQUIREMENTS INDICATED BY THE ELEVATOR MANUFACTURER. THE STRUCTURAL SUPPORT DETAILS MAY NEED TO BE MODIFIED BASED ON THE ELEVATOR MANUFACTURER'S REQUIREMENTS.

ROOF ANCHORS: THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR DETERMINING ANCHOR TYPES, ANCHOR LAYOUT OR VERIFICATION OF SUITABILITY FOR INTENDED PURPOSE OF ROOF ANCHOR SYSTEM; THIS INFORMATION SHALL BE PROVIDED BY OTHERS. TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR ANCHOR REACTIONS GIVEN BY THE ANCHOR MANUFACTURER.

POST-INSTALLED ANCHORS INTO CONCRETE

POST-INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE KWIK BOLT TZ ANCHORS AS MANUFACTURED BY HILTI, INC. INSTALL IN STRICT ACCORDANCE WITH CURRENT ICC REPORT NO. ESR-1917 INCLUDING MINIMUM EMBEDMENT, SPACING, AND EDGE DISTANCE REQUIREMENTS. REFER TO THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) FOR ADDITIONAL REQUIREMENTS INCLUDING DUST CONTROL SOLUTIONS. PROPOSED SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE OR SUBSTITUTION. PROPOSED ALTERNATIVE PRODUCT SUBMITTALS WILL BE EVALUATED CONSIDERING AN ANSI ACCREDITED REPORT INDICATING COMPLIANCE WITH THE 2015 IBC FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. SPECIAL INSPECTION IS REQUIRED FOR POST-INSTALLED MECHANICAL ANCHOR INSTALLATION AND HOLE PREPARATION IN ACCORDANCE WITH THE REFERENCED ICC-ESR REPORT.

POST-INSTALLED MECHANICAL ANCHORS SHALL NOT BE SUBSTITUTED FOR SPECIFIED CAST-IN-PLACE ANCHORS WITHOUT PRIOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.

POST-INSTALLED ADHESIVE ANCHORS INTO CONCRETE, USING THREADED RODS OR REINFORCING BARS, SHALL BE THE HIT-HY 200 ADHESIVE ANCHORING SYSTEM AND POST-INSTALLED REINFORCING BAR SYSTEM AS MANUFACTURED BY HILTI, INC. INSTALL IN STRICT ACCORDANCE WITH CURRENT ICC REPORT ESR-3187 INCLUDING MINIMUM EMBEDMENT, SPACING, AND EDGE DISTANCE REQUIREMENTS. THREADED RODS SHALL BE AS DESCRIBED IN THE REFERENCED ICC REPORT, UON. BOREHOLE SHALL BE DRILLED TO THE REQUIRED DEPTH WITH A HAMMER-DRILL SET IN ROTATION HAMMER MODE USING A CARBIDE DRILL BIT IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). REFER ALSO TO THE MPII FOR DUST CONTROL SOLUTIONS. PROPOSED SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE OR SUBSTITUTION. PROPOSED ALTERNATIVE PRODUCT SUBMITTALS WILL BE EVALUATED CONSIDERING AN ANSI ACCREDITED REPORT INDICATING COMPLIANCE WITH THE 2015 IBC FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY. CREEP, IN-SERVICE AND INSTALLATION TEMPERATURES, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. SPECIAL INSPECTION, IN ACCORDANCE WITH THE REFERENCED ICC REPORT, IS REQUIRED FOR ADHESIVE ANCHOR INSTALLATION AND HOLE PREPARATION. CONCRETE CONDITIONS AT THE TIME OF ANCHOR INSTALLATION SHALL BE AS FOLLOWS:

COMPRESSIVE STRENGTH: 2,500 psi min (ACHIEVE DESIGN STRENGTH OF CONCRETE PRIOR TO LOADING ANCHORS).

- AGE OF CONCRETE: 21 DAYS min TEMPERATURE RANGE OF CONCRETE: 14 to 104 DEGREES FAHRENHEIT
- MOISTURE CONDITION OF CONCRETE: DRY or WATER SATURATED (WATER-FILLED BOREHOLE IS NOT ALLOWED)

POST-INSTALLED ADHESIVE ANCHORS SHALL NOT BE SUBSTITUTED FOR SPECIFIED CAST-IN-PLACE ANCHORS WITHOUT PRIOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.

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CONCRETE

CONCRETE CONSTRUCTION SHALL CONFORM TO THE ACI 301 STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE, LATEST EDITION.

CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED, PLACED, AND EVALUATED FOR ACCEPTANCE IN ACCORDANCE WITH ACI 318 SECTIONS 19.2, 26.4, 26.5, 26.12 AND WITH ACI 301. STRENGTHS AT 28 DAYS AND MIX CRITERIA SHALL BE AS FOLLOWS:

MIX LOCATION	28 DAY STRENGTH (f'c)	MAX SLUMP (+1")	MAX w/cm	AIR (%)	
FOUNDATIONS FOOTINGS	4,000 psi	5"	-	-	
SLAB-ON-GRADE, TOPPING SLABS STAIR LANDINGS AND TREADS EXTERIOR - NO DEICING	4,500 psi	5"	0.45	6	Exposure class F2
EXTERIOR - DEICING PROTECTED	5,000 psi 3,000 psi	5" 5"	0.40 0.45	6 -	Exposure class F3 Exposure class F0
WALLS AND CURBS EXTERIOR AND RETAINING	4,500 psi	4"	0.45	6	Exposure class F2
PROTECTED EXTERIOR SHOTCRETE	4,000 psi 4,500 psi	4" 2"	- 0.45	- 6	Exposure class F0 Exposure class F2
PROTECTED SHOTCRETE	4,000 psi	2"	-	-	Exposure class F0

EXPOSURE CLASS F0: REFERS TO CONCRETE IN DRY ENVIRONMENT, PROTECTED FROM MOISTURE, AND NOT EXPOSED TO FREEZING-THAWING CYCLES. EXPOSURE CLASS F1: REFERS TO CONCRETE EXPOSED TO FREEZING-THAWING CYCLES, WITH LIMITED EXPOSURE TO WATER (NO CONCRETE SATURATION) BEFORE FREEZING, NOT IN DIRECT CONTACT WITH SOIL AND NOT EXPOSED TO DEICING CHEMICALS OR OTHER EXTERNAL SOURCES OF CHLORIDE.

EXPOSURE CLASS F2: REFERS TO CONCRETE EXPOSED TO FREEZING-THAWING CYCLES, FREQUENTLY EXPOSED TO WATER AND NOT EXPOSED TO DEICING CHEMICALS OR OTHER EXTERIOR SOURCES OF CHLORIDE. EXPOSURE CLASS F3: REFERS TO CONCRETE EXPOSED TO FREEZING-THAWING CYCLES, FREQUENTLY EXPOSED TO WATER, AND OCCASIONALLY EXPOSED TO DEICING CHEMICALS OR

OTHER EXTERIOR SOURCES OF CHLORIDE.

AIR-ENTRAINMENT SHALL NOT BE USED AT SLABS THAT WILL RECEIVE A SMOOTH, DENSE, HARD-TROWELED FINISH. AIR % IS BASED ON 3/4" COARSE AGGREGATE; ADJUST AIR % PER ACI 318 TABLE 19.3.3.1 FOR OTHER COARSE AGGREGATE SIZES.

THE CONCRETE PRODUCER SHALL PREPARE DESIGN MIXES FOR EACH CLASS OF CONCRETE NOTED ABOVE. CONCRETE MIXTURE PROPORTIONS SHALL BE ESTABLISHED IN ACCORDANCE WITH ARTICLE 4.2.3 OF ACI 301. THE DESIGN MIXES SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR REVIEW AND ACCEPTANCE TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE SUBMITTAL SHALL BE STAMPED BY THE CONCRETE PRODUCER AND SHALL INCLUDE THE AMOUNTS OF CEMENT, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER-CEMENTITIOUS MATERIAL RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ARTICLE 4.2.3 OF ACI 301. DESIGN MIXES REQUIRE BATCH PLANT INSPECTION (UNLESS WAIVED BY THE BUILDING OFFICIAL), THE COST OF WHICH SHALL BE PAID BY THE GENERAL CONTRACTOR. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING:

PORTLAND CEMENT: TYPE I, ASTM C150 FLY ASH (IF USED): ASTM C618 CLASS F OR C, QUANTITY SHALL NOT EXCEED (BY WEIGHT) 20% OF CEMENT CONTENT,

AND MAXIMUM LOSS ON IGNITION = 1%

SLAG CEMENT (IF USED): ASTM C989 LIGHTWEIGHT AGGREGATES: SHALL NOT BE USED WITHOUT PRIOR APPROVAL OF ENGINEER AND BUILDING DEPARTMENT

NORMAL WEIGHT AGGREGATES: ASTM C33 SAND EQUIVALENT: SHALL EXCEED 75 FOR FINE AGGREGATE

WATER: ASTM C1602 AIR ENTRAINING ADMIXTURES: ASTM C260 WATER-REDUCING ADMIXTURES: ASTM C494

SET TIME MODIFYING ADMIXTURES: ASTM C494

CORROSION INHIBITING ADMIXTURES: ASTM C1582 FLOWING CONCRETE ADMIXTURES: ASTM C1017

DURABILITY REQUIREMENTS OF CONCRETE MIXES SHALL CONFORM TO IBC SECTION 1904. THESE REQUIREMENTS INCLUDE WATER-CEMENTITIOUS MATERIAL RATIOS, MINIMUM COMPRESSIVE STRENGTHS, AIR ENTRAINMENT, TYPE OF CEMENT, AND MAXIMUM CHLORIDE ION CONTENT.

FINISH MATERIALS: AT THE TIME OF APPLICATION OF FINISH MATERIALS OR SPECIAL TREATMENT TO CONCRETE, MOISTURE CONTENT OF CONCRETE SHALL CONFORM TO REQUIREMENTS IN FINISH MATERIAL AND FINISH ADHESIVE SPECIFICATIONS. WHERE MOISTURE SENSITIVE COVERINGS OR ADHESIVES ARE TO BE PLACED ON SLABS ON GRADE, CONFORM STRICTLY TO SLAB ADHESIVE AND SLAB COVERING MANUFACTURERS' RECOMMENDATIONS REGARDING VAPOR RETARDER AND GRANULAR FILL REQUIREMENTS BELOW THE SLAB.

WATERPROOFING: REFER TO ARCH'L DRAWINGS AND SPECIFICATIONS FOR WATERSTOP AND WATERPROOFING REQUIREMENTS AT CONCRETE AND AT CONCRETE JOINTS (CONSTRUCTION JOINTS, SLAB TO WALL JOINTS, CURB TO SLAB JOINTS, ETC.)

PROTECT AND CURE FRESHLY PLACED CONCRETE PER ACI 305.1 IN HOT CONDITIONS, ACI 306.1 IN COLD CONDITIONS, ACI 301 SECTION ON "HANDLING, PLACING, AND CONSTRUCTION" AND "PRESERVATION OF MOISTURE", AND ACI 308.1 "STANDARD SPECIFICATION FOR CURING CONCRETE". USE LATEST EDITIONS OF ACI PUBLICATIONS. WHERE MOISTURE SENSITIVE ADHESIVES AND COVERINGS WILL BE APPLIED TO THE CONCRETE, THE FOLLOWING APPLY:

 CONCRETE SHALL NOT BE CURED BY ADDING WATER (i.e. PONDING, WET BURLAP). CURING COMPOUNDS OR CURE-AND-SEAL MATERIALS SHALL NOT BE USED UNLESS SUCH USE IS APPROVED IN WRITING BY THE ADHESIVE AND CONCRETE COVERING MANUFACTURERS.

CONSTRUCTION JOINTS IN WALLS SHALL BE KEYED WITH 1 1/2" THICK x 6" LONG x 3 1/2" WIDE KEYS PLACED IN ALTERNATE REINFORCING SPACES. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, ALL CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED. ALL VERTICAL REINFORCING IN CONCRETE WALLS SHALL BE CONTINUOUS FROM STRUCTURAL FLOOR TO STRUCTURAL FLOOR, OR FROM FOOTING TO FIRST STRUCTURAL FLOOR, UON.

PROPOSED CONSTRUCTION JOINT LOCATIONS FOR SLABS ON METAL DECK, BEAMS AND GIRDERS SHALL BE SUBMITTED TO STRUCTURAL ENGINEER FOR REVIEW AND JOINT/REINFORCING STRUCTURAL DETAILING. ALL CONSTRUCTION, CONTROL, AND ISOLATION JOINTS FOR SLABS ON GROUND SHALL BE IN ACCORDANCE WITH THE TYPICAL SLAB ON GROUND DETAILS.

THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF ALL CONSTRUCTION AND CONTROL JOINTS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO CONCRETE PLACEMENT.

THE "SHOTCRETE" METHOD MAY BE USED TO PLACE CONCRETE, PROVIDED THE APPROVALS, TESTS, AND INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT ARE OBTAINED. SHOTCRETE MATERIALS, EQUIPMENT, PROCEDURES, PROPORTIONS, BATCHING AND MIXING AND PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 506 (LATEST ED.), ACI 506.2 (LATEST ED.), AND IBC SECTION 1908. REINFORCING DETAILING MAY NEED TO BE REVISED AT SHOTCRETE APPLICATIONS.

REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, fy = 60,000 psi UON (EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED SHALL BE ASTM A706 GRADE 60, fy = 60,000 psi.)

GRADE 60 REINFORCING BARS INDICATED ON DRAWINGS TO BE WELDED SHALL CONFORM TO ASTM A706 AND AWS D1.4. REINFORCING COMPLYING WITH ASTM A615(S1) MAY BE WELDED ONLY IF MATERIAL PROPERTY REPORTS INDICATING CONFORMANCE WITH WELDING PROCEDURES SPECIFIED IN A.W.S. D1.4 ARE SUBMITTED. WELDING WITHIN 4" OF COLD BENDS IN REINFORCING STEEL IS NOT PERMITTED.

REINFORCING CONFORMING TO EITHER (a) OR (b) IS REQUIRED AT ADDED VERTICAL REINFORCING AT CONCRETE WALLS (REINF NOTED ON PLAN) AND THEIR MATCHING DOWELS AND AT ANCHOR REINFORCING AT HOLDOWNS:

ASTM A615 GRADE 60 WHERE (i) THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI, AND (iii) RATIO OF THE ACTUAL TENSILE STRENGTH TO ACTUAL YIELD STRENGTH IS AT LEAST 1.25, AND (iiii) MINIMUM ELONGATION IN 8 INCHES SHALL BE AT LEAST 14% FOR BAR SIZES #3-#6 AND AT LEAST 12% FOR BAR SIZES #7-#11.

WELDED WIRE REINFORCING (WWR) SHALL CONFORM TO ASTM A-1064.

REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 AND 318, LATEST EDITIONS. LAP AND DEVELOP ALL REINFORCEMENT IN ACCORDANCE WITH THE REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE 3/S004. LAP ADJACENT MATS OF WELDED WIRE REINFORCING A MINIMUM OF 8" AT SIDES AND ENDS. REFER TO 1/S302 FOR REINFORCING (INCLUDING CORNER BARS) AT FOOTING CORNERS, ENDS, AND INTERSECTIONS, UON. REFER TO 2/S301 FOR REINFORCING (INCLUDING CORNER BARS) AT WALL CORNERS, ENDS, AND INTERSECTIONS, UON.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

SPACED REINFORCING SPECIFIED ON THE DRAWINGS SHALL BEGIN A MAXIMUM OF 1/2 SPECIFIED SPACING FROM TOPS, BOTTOMS, ENDS, AND EDGES OF MEMBERS, WHICHEVER IS APPLICABLE.

REINFORCING STEEL SHALL BE ADEQUATELY SUPPORTED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. BEAM STIRRUPS SHALL BE POSITIVELY SUPPORTED FROM BEAM BOTTOM FORM WITH CONTINUOUS LONGITUDINAL BEAM BOLSTERS.

^

CONCRETE PROTECTION (COVER) AND SPACING LIMITS FOR REINFORCING STEEL SHALL BE AS FOLLOWS, UON ON PLAN OR IN DETAILS. IF BAR DIAMETER GREATER THAN COVER NOTED, USE COVER EQUAL TO BAR DIAMETER:

FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST EARTH FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALLER)

(#6 BARS OR LARGER) **BEAM STIRRUPS**

COLUMN VERTICAL REINFORCING SLABS AND WALLS (INTERIOR FACE)

MIN. CLEAR SPACING BETWEEN LONGIT. BARS IN TIED OR SPIRALED COMPRESSION MEMBERS

1 1/2" 1 1/2" 2" (1 1/2" MIN CLR TO TIES/SPIRALS) 1 1/2 x BAR DIAMETER (1 1/2" MIN)

CONCRETE WALL REINFORCING - PROVIDE THE F 6" WALLS #4 @ 12" oc ew CTRD

8" WALLS	#4 @ 12" oc ew CTRD	
10" WALLS	#4 @ 10" oc ew CTRD	
12" WALLS	#4 ${ ilde @}$ 12" oc ew EACH FACE	

HORIZ BAR EACH FACE, UON.

CONCRETE OPENINGS AND FEATURES: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF MISCELLANEOUS OPENINGS IN ALL CONCRETE WALLS AND SLABS. SEE MEPF DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MEPF OPENINGS THROUGH CONCRETE WALLS AND SLABS. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES. SEE STRUCTURAL DETAILS FOR REINFORCING REQUIREMENTS AT ALL OPENINGS IN CONCRETE WALLS AND SLABS, UON.

NON-SHRINK, NON-METALLIC GROUT FOR BASE PLATES, SLEEVES, AND EMBEDDED STEEL SHALL BE IN STRICT CONFORMANCE WITH ASTM C1107, SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED, APPLIED, AND CURED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. PROPOSED GROUT SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION. GROUT 28-DAY COMPRESSIVE STRENGTH SHALL BE AT LEAST 1,000 PSI GREATER THAN THE CONCRETE ON WHICH IT IS PLACED (6000 PSI MINIMUM GROUT STRENGTH).

MECHANICAL SPLICING OF REINFORCING BARS, WHERE INDICATED ON THE DRAWINGS, SHALL BE ACHIEVED WITH THE LENTON MECHANICAL SPLICE SYSTEM IN STRICT ACCORDANCE WITH CURRENT IAPMO REPORT ER-129. REQUESTED SUBSTITUTIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO USE. REQUESTED SUBSTITUTIONS SHALL CONFORM TO ACI 318 18.2.7 AND 25.5.7 AND SHALL BE AN ICC OR IAPMO APPROVED SYSTEM.

MANUFACTURER'S CERTIFICATION SHALL CONSTITUTE SUFFICIENT EVIDENCE OF CONFORMITY WITH AWS D1.1.

CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE CONSTRUCTION.

WET-SETTING OF ANCHOR RODS, REINFORCING, HARDWARE, etc. IS NOT ALLOWED IN CONCRETE. ANCHOR RODS, REINFORCING, HARDWARE, etc. SHALL BE FIRMLY TIED IN PLACE PRIOR TO CONCRETE PLACEMENT.



DESIGN CRI

FLOOR LIVE LOADS

CORRIDORS - RESIDENTIAL STAIRS, EXTERIOR WALKWA BUILDING A - LEVEL 1 COMM

ROOF LOADS

WIND DESIGN DATA

EARTHQUAKE DESIGN DA

RISK CATEGORY SEISMIC IMPORTANCE FACT MAPPED SPECTRAL RESPO MAPPED SPECTRAL RESPON SITE CLASS SPECTRAL RESPONSE COEF SPECTRAL RESPONSE COEFFICIENT (Sd1) SEISMIC DESIGN CATEGORY BASIC SEISMIC FORCE RESISTING SYSTEM DESIGN BASE SHEAR SEISMIC RESPONSE COEFFICIENT (Cs) RESPONSE MODIFICATION COEFFICIENT (R) ANALYSIS PROCEDURE

A

UPPER- AND LOWERMOST HORIZONTAL REINFORCING SHALL BE PLACED WITHIN 1 1/2" FROM THE TOP AND BOTTOM OF THE WALL. AT TOPS OF WALLS, PROVIDE (1) TYP.

HEADED STUD ANCHORS SHALL CONFORM TO ASTM A29 - TYPE A AND TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE - STEEL (AWS D1.1).

				-
		JOIST / TRUSS SPAN	DIRECTION	
	Т	PRE-MANUFACTURE	D TRUSSES PER PLAN NOTES	
	GΤ	GIRDER TRUSS		
	VΤ	OVERFRAMED VALLE	EY TRUSSES @ 24" oc. SEE 11, 12, 13/S404	
	GET	GABLE END TRUSS		С
	НМ	HIP MASTER		
	X	NUMBER OF STUDS	IN BUILT-UP POST ABOVE REFERENCED LEVEL.	
	******	CONCRETE WALL AB	OVE REFERENCED LEVEL	
		STRUCTURAL STUD	WALL ABOVE REFERENCED LEVEL	
=	=====	WALL OR CONCRETE	E BEAM BELOW REFERENCED LEVEL	
C	0	FLUSH OR DROPPED	BEAM AT REFERENCED LEVEL	
	(PEN)	PANEL EDGE NAIL FI	OOR/ROOF/WALL SHEATHING TO INDICATED FRAMING MEMBER	\vdash
	CSxx or CMSTCxx	COLLECTOR STRAP	PER 1/S402. SEE DETAIL FOR FRAMING REQUIREMENTS.	
		WHERE PANEL EDG STRAPS, PANEL ED		
	CSxx or CMSTxx	COLLECTOR STRAP	PER 9/S404. ADD FRAMING AS SHOWN IN DETAIL.	
	(roof)			
	FX	FOOTING MARK PER	SCHEDULE	
	XXX.XX'	TOP OF SLAB ELEVA	TION. VERIFY W/ ARCH'L	
				В
ESIGN CR	ITERIA			_
OR LIVE LOADS				
RESIDENTIAL ROOMS CORRIDORS - RESIDEN	ΓΙΔΙ		40 psf 40 psf	
STAIRS, EXTERIOR WAL BUILDING A - LEVEL 1 CO	KWAYS	ES	100 psf 100 psf	
DF LOADS GROUND SNOW (Pg)			15 psf	
ROOF SNOW (Pf) SNOW EXPOSURE FACT			25 psf 1.0	
SNOW LOAD IMPORTAN THERMAL FACTOR (Ct)	CE FACTOR (IS)		1.0 1.1	. ⊢
ID DESIGN DATA			110 mph 85 mph II B 1.00 +/- 0.18	
MAIN WIND FORCE RES				
ULTIMATE DESIGN WIND			110 mph 85 mph	
RISK CATEGORY WIND EXPOSURE			B	ō
TOPOGRAPHIC FACTOR	OEFFICIENT (Cpi)			
(EQUIV. ULTIMATE DESI (EQUIV. NOMINAL DESIG			100 mph 100 mph	
COMPONENT & CLADDI	NG PRESSURES for	r DESIGN	TBD by Specialty Structural Engineer (SSE) responsible for component and cladding design.	
RTHQUAKE DESIGN	I DATA		(See S003 for C & C wind loading diagrams at roofs and walls)	
RISK CATEGORY				กี
SEISMIC IMPORTANCE F	SPONSE ACCELERA		1.0 1.256	
MAPPED SPECTRAL RES		ATION (S1)	0.491 C	
SPECTRAL RESPONSE (JUEFFICIENT (Sds)		0.838	

WOOD STRUCTURAL PANEL SHEARWALLS

EQUIVALENT LATERAL FORCE ANALYSIS

-

0.129

Bldg A - 202 k, Bldg B - 111 k, Bldg C - 127 k, Bldg D - 136 k

DESIGN CRITERIA SHEET NO.

C

NIC

BUIL

SHEET TITLE

GEN STRUCT NOTES

LEGEND and



1301 First Avenue, Suite 301 Seattle, WA 98101 http://www.gglo.com

	EUTURE PHASE
	POPESSIONAL ENGLISH
	06-22-2020 MICHAEL NOUWENS Structural Consultants 130 Second Avenue North #921 Edmonds, WA 98020 michael@nouwens-structural.com WWW.nouwens-structural.com P 206.546.8446
C	PROJECT: EHA BAKER HEIGHTS
	EVERETT HOUSING AUTHORITY
	PROJECT ADDRESS: BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET EVERETT, WA 98201 OWNER: EVERETT HOUSING AUTHORITY
	3107 COLBY AVE EVERETT, WASHINGTON 98201
3	MARK DATE DESCRIPTION REVISIONS
_	C 06/22/2020 BUILDING PERMIT SUBMITTAL / HUD SUBMITTAL
	B 04/10/2020 DESIGN DEVELOPMENT
	A 12/15/2019 SCHEMATIC DESIGN
	MARK DATE DESCRIPTION
	ISSUE INFORMATION
	PROJECT NO: 2017033
	PROJECT NO.: 2017033 PRINCIPAL IN CHARGE:
	PROJECT MANAGER: Michael Nouwens OWNER APPROVAL:

GENERAL STRUCTURAL NOTES

The following apply unless otherwise noted on plans

GEOTECHNICAL

FOUNDATION NOTES: SUBGRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION, AND FILLING REQUIREMENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE GEOTECHNICAL REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. REFER TO 19/S301 FOR REQUIRED FOOTING DEPTHS AND RELATIONSHIPS. ALL BEARING SURFACES SHALL BE SUBJECT TO APPROVAL BY THE GEOTECHNICAL ENGINEER. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE. FOOTING DEPTHS/ELEVATIONS SHOWN ON PLANS (OR IN DETAILS) ARE MINIMUM AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS MUST BE ESTABLISHED BY THE CONTRACTOR IN THE FIELD WORKING WITH THE GEOTECHNICAL ENGINEER. RETAINING WALLS ARE DESIGNED FOR A DRAINED CONDITION uon; REFER TO GEOTECHNICAL ENGINEER RECOMMENDATIONS FOR BACKFILL AND DRAINAGE REQUIREMENTS.

ALLOWABLE BEARING PRESSURE LATERAL EARTH PRESSURE (RESTRAINED/UNRESTRAINED) 55 pcf / 35 pcf SEISMIC LATERAL SURCHARGE

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6,000 psf (glacial till) 8H psf

GEOTECHNICAL REPORT REFERENCE: GEOTECHNICAL ENGINEERING SERVICES 21288-002-00 BY GEOENGINEERS, INC. DATED OCTOBER 30, 2019

VAPOR RETARDERS PLACED BELOW SLABS ON GRADE SHALL CONFORM WITH ASTM E 1643 "STANDARD PRACTICE FOR INSTALLATION OF WATER VAPOR RETARDERS USED IN CONTACT WITH EARTH OR GRANULAR FILL UNDER CONCRETE SLABS" AND ASTM E 1745 "STANDARD SPECIFICATION FOR WATER VAPOR RETARDERS USED IN CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS".

LATERAL EARTH PRESSURE ON SUBGRADE WALLS: THE DESIGN PRESSURES FOR SUBGRADE WALLS ARE BASED ON A DRAINED CONDITION, uon. SEE GEOTECHNICAL REPORT AND CIVIL DRAWINGS FOR SUBGRADE DRAINAGE SYSTEM. SEE GEOTECHNICAL REPORT FOR BACKFILL AND COMPACTION REQUIREMENTS BEHIND SUBGRADE WALLS. PROVIDE TEMPORARY SHORING FOR SUBGRADE WALLS IF BACKFILL IS PLACED PRIOR TO SUPPORTING STRUCTURE BEING CONSTRUCTED. SUPPORTING STRUCTURE SHALL BE AS INDICATED ON THE STRUCTURAL PLANS AND DETAILS (i.e. CONCRETE SLAB, WOOD FLOOR/ROOF FRAMING AND SHEATHING, etc.)

STRUCTURAL STEEL

STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE BASED ON THE LATEST EDITIONS OF THE FOLLOWING A.I.S.C. SPECIFICATIONS AND CODES:

1. SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ANSI/AISC 360 2. CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES - AISC 303

3. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS - AISC 348

TRUCTURAL STEEL SHALL CONFORM TO THE FOLLO	WING REQUIREMENTS:	
YPE OF MEMBER	ASTM SPECIFICATION	Fy
PLATES, BARS, ANGLES, RODS, CHANNELS	A36	36 ksi
W- SHAPES	A992	50 ksi
PIPE	A53 (GRADE B)	35 ksi
RECTANGULAR AND SQUARE HSS	A500 (GRADE C)	46 ksi
ANCHOR RODS (7" EMBED UON)	F1554 GRADE 36 W/ TH	READED ENDS AND WELDED NUT AT END
STEEL to STEEL CONNECTION BOLTS	A325-N TYPE I (TYPE 3 \	WHERE EXPOSED TO WEATHER OR CORROSION)
TWIST OFF TYPE TENSION CONTROL BOLTS	F1852 (A325 STRENGTH	H)
NUTS	A563	
HARDENED STEEL WASHERS	F436	

F959

A29-A

STEEL COATINGS AND PROTECTION (WEATHER, FIRE, CORROSION, etc.) SHALL BE AS SPECIFIED BY THE ARCHITECT. GALVANIZED STRUCTURAL STEEL MEMBERS SHALL CONFORM TO ASTM A123, GALVANIZED STEEL DECKING SHALL CONFORM TO ASTM A924, AND GALVANIZED STEEL HARDWARE SHALL CONFORM TO ASTM F2329 and A153. GUIDELINES OUTLINED IN ASTM A384 SHALL BE FOLLOWED IN ORDER TO SAFEGUARD AGAINST WARPING AND DISTORTION DURING HOT-DIP GALVANIZING OF STEEL ASSEMBLIES. THE PORTION OF STEEL ANCHORS AND TIES EMBEDDED IN CONCRETE AND MASONRY SHALL BE LEFT UNPAINTED.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL BE DESIGNATED ON ARCH'L DRAWINGS AND SHALL CONFORM TO SECTION 10 OF AISC 303-10.

ANCHOR RODS AT STEEL BASE PLATES HAVE A PLACEMENT TOLERANCE OF 1/4" (FOR 3/4" RODS) FROM SPECIFIED LOCATIONS. BASEPLATES AT 3/4" DIAM. ANCHOR RODS CAN HAVE OVERSIZED HOLE DIAMETERS OF 1 5/16" UNLESS OTHERWISE NOTED. PROVIDE 1/4" x 2" DIAMETER HEAVY PLATE WASHERS AT OVERSIZED HOLES IN BASEPLATES.

SPACED FASTENERS SPECIFIED ON THE DRAWINGS SHALL BEGIN AT 1/2 SPECIFIED SPACING FROM THE ENDS OF THE MEMBERS, UON. PROVIDE (2) FASTENERS MINIMUM EACH MEMBER, TYP

JOINT TYPES AT HIGH-STRENGTH CONNECTION BOLTS (A325 OR A490) SHALL BE SNUG-TIGHTENED (ST) UNLESS OTHERWISE DESIGNATED AS PRETENSIONED (PT) OR SLIP CRITICAL (SC). REFER TO AISC 348 TABLE 4.1 FOR INSTALLATION AND INSPECTION REQUIREMENTS AT BOLTED JOINTS. FAYING SURFACES AT 'SC' JOINTS SHALL MEET THE REQUIREMENTS OF AISC 348 SECTION 3.2.2.

WELDING SHALL BE IN CONFORMANCE WITH A.I.S.C. AND A.W.S. STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS. ONLY PREQUALIFIED WELDS (AS DEFINED BY A.W.S.) SHALL BE USED. STRUCTURAL STEEL WELDS SHALL BE MADE USING LOW HYDROGEN ELECTRODES (70 ksi IN CONFORMANCE WITH AWS D1.1). LOW HYDROGEN ELECTRODES SHALL BE PROVIDED IN HERMETICALLY SEALED CONTAINERS; ELECTRODES THAT HAVE BEEN WET SHALL NOT BE USED. REFER TO AWS REQUIREMENTS REGARDING ALLOWABLE EXPOSURE OF LOW HYDROGEN ELECTRODES TO THE ATMOSPHERE AND FOR RE-DRYING RECOMMENDATIONS AND RESTRICTIONS. USE MATCHING FILLER METALS PER LATEST EDITION OF AWS D1.1. SEE REINFORCING STEEL NOTE FOR MATERIAL AND WELDING REQUIREMENTS FOR REINFORCING BARS. WELDING OF GALVANIZED STEEL SHALL CONFORM TO AWS SPECIFICATION D-19.0. WELDED AREAS OF GALVANIZED STEEL SHALL BE TOUCHED UP IN CONFORMANCE WITH ASTM A780.

ALL WELDING SHALL BE PERFORMED IN STRICT ADHERENCE TO A WRITTEN WELDING PROCEDURE SPECIFICATION (WPS) PER AWS D1.1. ALL WELDING PARAMETERS SHALL BE WITHIN THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS. WPS'S SHALL BE SUBMITTED TO THE TESTING AGENCY FOR REVIEW BEFORE STARTING FABRICATION OR ERECTION. COPIES OF THE WPS SHALL BE ON SITE AND AVAILABLE TO ALL WELDERS AND THE SPECIAL INSPECTOR.

ALL COMPLETE-PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED UPON COMPLETION OF THE CONNECTION, EXCEPT PLATE LESS THAN OR EQUAL TO 1/4" THICK SHALL BE MAGNETIC PARTICLE TESTED.

STEEL ROOF DECKING: PROVIDE SIZE, TYPE, GAUGE, AND ATTACHMENT TO THE SUPPORTING STRUCTURE AS SHOWN ON THE PLANS. ALTERNATES MUST CONFORM TO PUBLISHED ICC CRITERIA FOR SECTION PROPERTIES AND DIAPHRAGM SHEARS NOTED. PROVIDE SHORING WHERE REQUIRED PER MANUFACTURER'S PUBLISHED CRITERIA. ALL DECKING SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK INSTITUTE. WELD ELECTRODES AT STEEL DECKING SHALL BE 60 ksi IN CONFORMANCE WITH AWS D1.3.

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TOP CHORD SNOW LOAD	25 PSF (0
TOP CHORD DEAD LOAD	17 PSF (
BOTTOM CHORD DEAD LOAD	11 PSF
BOTTOM CHORD LIVE LOAD	10 PSF (L 20 PSF (
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(UNINHABITABLE ATTICS WITHOUT STORAGE) (UNINHABITABLE ATTICS WITH LIGHT OR NO STORAGE, IN ALL AREAS INVOLVING TWO OR MORE ADJACENT TRUSSES WHERE A RECTANGLE 42" TALL x 24" LONG WILL FIT BETWEEN THE BOTTOM CHORD AND ANY OTHER MEMBERS) (BOTTOM CHORD LIVE LOAD DOES NOT ACT CONCURRENTLY WITH ROOF SNOW LOAD).

WIND LOADING

SEE ARCH'L AND MECHANICAL DRAWINGS FOR SPRINKLER, FALL PROTECTION ANCHOR, SATELLITE DISH AND MECH. EQUIPMENT INFORMATION.

TO MANUFACTURING THE TRUSSES.

TRUSS DESIGN DRAWINGS ARE THE WRITTEN, GRAPHIC, AND PICTORIAL DEPICTION OF EACH INDIVIDUAL TRUSS. TRUSS DESIGN DRAWINGS SHALL BE PROVIDED WITH THE SHIPMENT OF TRUSSES DELIVERED TO THE JOB SITE. TRUSS DESIGN DRAWINGS SHALL INCLUDE AT A MINIMUM, THE FOLLOWING: A. TRUSS PROFILES SHOWING SLOPE, DEPTH, SPAN AND SPACING.

- B. LOCATION OF JOINTS.
- C. REQUIRED BEARING WIDTHS D. DESIGN LOADS AS APPLICABLE
- E. TOP CHORD SNOW LOAD. F. TOP CHORD DEAD LOAD.
- G. BOTTOM CHORD LIVE LOAD.
- H. BOTTOM CHORD DEAD LOAD.
- J. CONTROLLING WIND AND EARTHQUAKE LOADS.
- L. EACH REACTION FORCE AND DIRECTION.
- N. LUMBER SIZE, SPECIES AND GRADE FOR EACH MEMBER.

- Q. MAXIMUM AXIAL TENSION AND COMPRESSION FORCES IN TRUSS MEMBERS.

ALL TOP AND BOTTOM CHORD SPLICES SHALL BE CONNECTED WITH APPROVED METAL PRESS PLATES AND TENSION TESTED TO A MINIMUM OF 1.2 TIMES THE ALLOWABLE TENSION PARALLEL TO THE GRAIN (PER NDS SPECIFICATIONS). TRUSS LOAD DURATION FACTOR SHALL BE PER THE MOST CURRENT EDITION OF THE NDS.

SHIPMENT OF TRUSSES DELIVERED TO THE JOB SITE.

FOLLOWING METHODS: A. THE TRUSSES SHALL BE DESIGNED SO THAT THE BUCKLING OF ANY INDIVIDUAL TRUSS MEMBER CAN BE RESISTED INTERNALLY BY THE STRUCTURE OF THE INDIVIDUAL TRUSS (i.e. BUCKLING MEMBER T-BRACING, L-BRACING, etc.). THE TRUSS INDIVIDUAL MEMBER BUCKLING REINFORCEMENT SHALL BE INSTALLED AS SHOWN ON THE TRUSS DESIGN DRAWING OR ON SUPPLEMENTAL TRUSS MEMBER BUCKLING REINFORCEMENT DIAGRAMS PROVIDED BY THE TRUSS DESIGNER. B. PERMANENT BRACING SHALL BE INSTALLED BY THE CONTRACTOR USING STANDARD INDUSTRY BRACING DETAILS THAT CONFORM WITH GENERALLY ACCEPTED ENGINEERING PRACTICE. INDIVIDUAL TRUSS MEMBER CONTINUOUS LATERAL BRACING LOCATIONS SHALL BE SHOWN ON THE TRUSS DESIGN DRAWINGS.

TRUSS MANUFACTURER SHALL PROVIDE A STANDARD GABLE END DETAIL INDICATING PERMANENT BRACING DETAILS FOR GABLE END TRUSSES. THE DETAILS SHALL CONSIDER WIND AND SEISMIC LOADING PERPENDICULAR TO THE PLANE OF THE TRUSS, WIND AND SEISMIC LOADING IN THE PLANE OF THE TRUSS, AND GRAVITY LOADING.

ERECTION BRACING AND BRIDGING SIZES AND SPACINGS SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE TPI. ADDITIONAL TRUSSES SHALL BE DESIGNED AND SUPPLIED AS REQUIRED TO SUPPORT MECHANICAL EQUIPMENT, PIPING, DUCTS, etc. ALL CONNECTORS SPECIFIED BY THE TRUSS MANUFACTURER SHALL HAVE CURRENT ICC APPROVAL. CONNECTORS SHALL BE DESIGNED AND SIZED FOR TWICE THE CALCULATED LOAD UNLESS THE TRUSS MFR PROVIDES WRITTEN CONFIRMATION THAT CONNECTOR FASTENERS CAN PENETRATE TRUSS MEMBER METAL CONNECTOR PLATES. NO OFFSETS FOR CONNECTIONS WILL BE PERMITTED. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT. NOTCHED, DRILLED, SPLICED, OR OTHERWISE ALTERED IN ANY WAY WITHOUT PRIOR WRITTEN CONSENT AND APPROVAL OF THE REGISTERED DESIGN PROFESSIONAL WHO HAS SEALED THE TRUSS DESIGN DRAWING. REVISIONS TO LOADING TO ANY TRUSS SHALL REQUIRE THE RESUBMITTAL OF THE TRUSS DESIGN DRAWING VERIFYING THE TRUSS IS CAPABLE OF SUPPORTING THE REVISED LOADING.

A SPECIAL INSPECTOR APPROVED BY THE BUILDING OFFICIAL SHALL VERIFY THAT THE TRUSS MANUFACTURER MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND OF THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTON DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK. EACH TRUSS MEMBER SHALL CARRY A GRADING STAMP.

EXCEPTIONS TO SPECIAL INSPECTIONS:

A

A. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND UPON PERIODIC AUDITING OF FABRICATION PROCEDURES BY AN APPROVED SPECIAL INSPECTION AGENCY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS B. IN LIEU OF SPECIAL INSPECTIONS, THE BUILDING OFFICIAL IS AUTHORIZED TO ACCEPT REPORTS OF APPROVED INSPECTION AGENCIES.

PRE-MANUFACTURED WOOD TRUSSES

PREFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER TO COMPLETE THE ROOF FRAMING FROM THE ROOF SHEATHING TO THE SUPPORTING MEMBERS BELOW FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS. LOADING SHALL BE AS FOLLOWS:

> (Cd = 1.15) (ADD 10 PSF PV ARRAY ALLOWANCE WHERE INDICATED ON PLANS)

SEE S003 (INDIVIDUAL TRUSS DESIGN SHALL CONFORM TO ASCE 7-10, COMPONENTS AND CLADDING LOADING)

TOTAL LOAD DEFLECTION SHALL NOT EXCEED THE LESSER OF 1" OR SPAN/360.

COMPLIANCE WITH THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS IS REQUIRED: ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION; TPI BCSI "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES; AND TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."

THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, FABRICATION, AND ERECTION PROCEDURES FOR ALL TRUSSES, BLOCKING, INCIDENTAL FRAMING, FRAMING FOR OPENINGS, TEMPORARY AND PERMANENT BRACING AND BRIDGING, CONNECTIONS, AND ALL OTHER ITEMS REQUIRED FOR A COMPLETE AND SAFE INSTALLATION OF THE TRUSS SYSTEM. TRUSS CONFIGURATIONS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. THE TRUSS MANUFACTURER SHALL HAVE AT LEAST 3 YEARS EXPERIENCE IN THE FABRICATION OF PREFABRICATED WOOD TRUSSES. PREFABRICATED WOOD TRUSSES SHALL BE METAL PLATE CONNECTED WOOD TRUSSES DESIGNED AND FABRICATED IN ACCORDANCE WITH THE CURRENT ANSI/TPI.1

REQUIREMENTS TO SUPPORT THEIR OWN WEIGHT PLUS SUPERIMPOSED DEAD, LIVE, UPLIFT, AND LATERAL LOADS INDICATED ON THE CONTRACT DRAWINGS. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND TRUSS DESIGN DRAWINGS (SEE BELOW) SEALED BY A WASHINGTON STATE REGISTERED CIVIL OR STRUCTURAL ENGINEER. DESIGN CALCULATIONS AND TRUSS DESIGN DRAWINGS SHALL BE APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND BUILDING DEPARTMENT PRIOR

I. CONCENTRATED LOADS AND THEIR POINTS OF APPLICATION.

K. ADJUSTMENTS TO LUMBER AND METAL CONNECTOR PLATE DESIGN VALUE FOR CONDITIONS IF USED.

M. METAL CONNECTOR PLATE TYPE, SIZE, THICKNESS OR GAGE, AND DIMENSIONED LOCATION. PROVIDE ICC ER REPORT FOR PLATES USED.

O. CONNECTION DETAILS FOR ALL TRUSS TO TRUSS, TRUSS PLY TO PLY, TRUSS TO BEAM/COLUMN, AND FIELD ASSEMBLY OF SEPARATE PIECES OF INDIVIDUAL TRUSSES. TRUSS TO TRUSS CONNECTORS/HANGERS SHALL BE SPECIFIED.

P. CALCULATED DEFLECTION RATIO AND MAXIMUM VERTICAL AND HORIZONTAL LIVE LOAD AND TOTAL LOAD DEFLECTIONS.

R. PERMANENT BRACING REQUIREMENTS AT INDIVIDUAL TRUSS MEMBERS AND SELECTED BRACING METHOD PER IBC SECTION 2303.4.1.2. DESIGN OF TRUSSES SHALL CONSIDER DEFLECTION OF TRUSSES RELATIVE TO ADJACENT PARALLEL SUPPORTS AND SHALL INCLUDE DESIGN OF BRIDGING, BRACING, ADDITIONAL TRUSSES OR OTHER MEANS NECESSARY TO MITIGATE PROBLEMS RESULTING FROM DIFFERENTIAL DEFLECTIONS. EACH INDIVIDUAL TRUSS DESIGN

DRAWING SHALL BEAR THE SEAL AND SIGNATURE OF A WASHINGTON STATE REGISTERED CIVIL OR STRUCTURAL ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.

TRUSS MANUFACTURER SHALL PROVIDE A TRUSS PLACEMENT DIAGRAM (TPD) THAT IDENTIFIES THE PROPOSED LOCATION FOR EACH INDIVIDUALLY DESIGNATED TRUSS AND REFERENCES THE CORRESPONDING TRUSS DESIGN DRAWING. THE TPD SHALL BE PROVIDED AS PART OF THE TRUSS SUBMITTAL PACKAGE. AND WITH THE

THE TRUSS SUBMITTAL PACKAGE SHALL CONSIST OF EACH INDIVIDUAL TRUSS DESIGN DRAWING, THE TRUSS PLACEMENT DIAGRAM, THE TRUSS MEMBER PERMANENT BRACING DETAILS or SPECIFICATIONS or DRAWINGS, THE TRUSS MEMBER TEMPORARY BRACING DETAILS, AND THE COVER SHEET/TRUSS INDEX SHEET. WHERE PERMANENT BRACING OF TRUSS MEMBERS IS SHOWN TO BE REQUIRED ON THE TRUSS DESIGN DRAWINGS, THE BRACING SHALL BE ACCOMPLISHED BY ONE OF THE

GGLO

1301 First Avenue, Suite 301 Seattle, WA 98101 http://www.gglo.com



PROJECT:

EHA BAKER HEIGHTS



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVE **EVERETT. WASHINGTON 98201**

MARK DATE DESCRIPTION REVISIONS

С	06/22/2020	BUILDING PERMIT SUBMITTAL /
		HUD SUBMITTAL
В	04/10/2020	DESIGN DEVELOPMENT
А	12/15/2019	SCHEMATIC DESIGN
MA	RK DATE	DESCRIPTION
IS	SUE INFOR	MATION

PROJECT NO .:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

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SHEET TITLE GENERAL STRUCTURAL NOTES

SHEET NO.

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	GENERAL STRUCTURAL NOTES	
	The following apply unless otherwise noted on plans	
	WOOI FRAMING LUMBER SHALL HAVE 19% MAXIMUM MOISTURE CONTENT UON (KILN DRIED WH STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17. FURNISH TO THE FOLLO	ERE NOTED), AND GRADED AND MARKED IN CONFORMANCE WITH WCLIB
	4x BEAMS & POSTS, 6x POSTS4x TREATED BEAMS & POSTS, 6x TREATED POSTS2x JOISTS, RAFTERS, BUILT-UP BEAMS, HEADERS2x, 3x FLATWISE & EDGEWISE BLOCKING3x NAILERS ON STEEL BEAMS2x4, 2x6, 2x8 STUDS3x STUDSDF KD No. 2	2
)	3x STUDSDF KD No. 2STUDS AT HD AND HDU HOLDOWNSDF KD stud2x4 PLATESDF KD No. 22x6, 2x8 PLATESDF KD No. 22x, 3x, 4x TREATED PLATES/LEDGERSDF KD standa	rd
	DF KD No. 2 DF KDAT No. MOISTURE CONTENT AT TIME OF COVER: AT TIME OF APPLICATION OF FINISH, GYPSUM GLU-LAMINATED MEMBERS, PLYWOOD WEB JOISTS, LSL, PSL AND LVL MEMBERS SHALL H	WALLBOARD, etc. TO MEMBERS, FRAMING LUMBER, PRE-MFR TRUSSES,
	CONTENT IF REQUIRED BY FINISH MATERIAL SPECIFICATIONS). AT TIME OF APPLICATION OF EXTERIOR FINISH (ROOFING, BUILDING ENVELOPE, etc.) TO A REQUIRED BY EXTERIOR FINISH SPECIFICATION. SHEATHING SHALL HAVE 15% MAX. MOIS	
	GYPSUM WALLBOARD, etc.) <u>ALLOW FOR 3/8" OF WOOD SHRINKAGE/COMPRESSION</u> AT EACH LEVEL (INCLUDING FOUM BUILDING SYSTEMS SUCH AS MECHANICAL, ELECTRICAL, PLUMBING, FIRE SPRINKLERS, e WOOD SHRINKAGE/COMPRESSION. ARCHITECTURAL FINISHES SHALL ALSO ACCOUNT FO	tc. SHALL HAVE FLEXIBLE COMPONENTS THAT ACCOUNT FOR THE POTENTIAL
	GLUED LAMINATED MEMBERS AND SHALL BE ACCOMPANIED BY AN AITC CERTIFICATE OF CONFORMANCE. CERTIFICAT BUILDING DEPARTMENT INSPECTION IS REQUIRED PRIOR TO COVERING GLUED LAMINATI = 2,400 psi, Fv = 265 psi. TREATED WALKWAY COLUMNS SHALL BE DF COMBINATION 3, Emi TREATMENT REQUIREMENTS AT WALKWAY COLUMNS.	AITC STANDARDS. EACH MEMBER SHALL BEAR AN AITC IDENTIFICATION MARK ES OF CONFORMANCE SHALL BE MADE AVAILABLE TO THE BUILDING INSPECTORS. ED MEMBERS. ALL BEAMS SHALL BE DOUGLAS FIR STRESS CLASS 24F-V4-1.8E, Fb
	TIMBERSTRAND LAMINATED STRAND LUMBER (LSL), MICROLLAM LAMINATED VENEER LI DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE STANDARDS SET FORTH IN T REQUIRED IDENTIFICATION MARKS SPECIFIED IN THE ICC REPORT. ALL LAMINATED STRA STRANDS AND GRAIN PARALLEL TO THE LENGTH OF THE MEMBERS. ADHESIVES SHALL B	THE ICC EVALUATION SERVICE REPORT ESR-1387. EACH PIECE SHALL BEAR THE ND LUMBER SHALL BE MANUFACTURED IN A CONTINUOUS PROCESS WITH ALL
	Fb = 2,325 psi, E = 1,550,000 psi, Fv = 285* psi, Width = 1 3/4 and 3 1/2"1.55E LSFb = 2,600 psi, E = 2,000,000 psi, Fv = 285 psi, Width = 1 3/4"2.0E LVI	. Headers (7 1/4" depth or less) SL Headers (9 1/2" depth or more) . Headers . Headers . Posts
,	HEADER CATEGORIES ARE APPLICABLE TO DROPPED and FLUSH BEAMS, BLOCKING AND MANUFACTURER'S PUBLISHED CRITERIA. WHERE SPECIFICALLY NOTED, FULL VALUES AF LSL HEADERS: Fv = 310 psi PSL HEADERS: E = 2,200,000 psi, Fv = 290 psi	
	DESIGN SHOWN ON PLANS IS BASED ON LUMBER MANUFACTURED BY WEYERHAEUSER. ACCEPTANCE BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATIVE HANGER THEY HAVE ICC APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. ALL HANGERS A SEE PLYWOOD WEB JOIST NOTE BELOW REGARDING SUBSTITUTIONS AT RIM / BLOCKING	S AND OTHER HARDWARE MAY BE SUBSTITUTED FOR ITEMS SHOWN PROVIDED ND OTHER HARDWARE SHALL BE COMPATIBLE IN SIZE WITH MEMBERS PROVIDED.
	PREFABRICATED WOOD I-JOISTS SHALL BE DESIGNED BY THE MANUFACTURER FOR THE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S PUBLISHED SPECIFICATIONS. STANDARDS SET FORTH IN THE ICC EVALUATION SERVICE REPORTS ESR-1387 AND ESR- IN THE ICC REPORTS. ALL NECESSARY BRIDGING, BLOCKING, BLOCKING PANELS, STIFFE SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND STRUCTL TEMPORARY BRIDGING SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S	JOISTS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE 153. EACH PIECE SHALL BEAR THE REQUIRED IDENTIFICATION MARKS SPECIFIED NERS, ETC., SHALL BE DETAILED AND FURNISHED BY THE MANUFACTURER. IRAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. PERMANENT AND
	DESIGN SHOWN ON PLANS IS BASED ON TRUS-JOIST TJI JOISTS MANUFACTURED BY WEY MAY BE USED SUBJECT TO REVIEW AND ACCEPTANCE BY THE ARCHITECT AND STRUCTU SECTION PROPERTIES OF SPECIFIED JOISTS INCLUDING FLEXURAL STRENGTH, STIFFNES	RAL ENGINEER. ALTERNATIVE JOISTS SHALL MATCH THE LATEST PUBLISHED
	ALTERNATIVE JOIST HANGERS AND OTHER HARDWARE MAY BE SUBSTITUTED FOR ITEMS CAPACITIES. ALL JOIST HANGERS AND OTHER HARDWARE SHALL BE COMPATIBLE IN SIZE	
	<u>NOTE:</u> FLOOR LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/480. ALTERNATIVE FRAMING MEMBERS AT SHEARWALL RIM / BLOCKING LOCATIONS MAY BE U	,
	THE SUBMITTED DATA SHALL VERIFY THE ABILITY OF THE ALTERNATIVE MEMBERS TO PR AND ANCHOR SIZES AND SPACINGS. CONTINUOUS ROD HOLDOWN SYSTEM: THE CONTINUOUS ROD HOLDOWN SYSTEM SPEC	
;	SLACKJACK SHRINKAGE COMPENSATING DEVICE (ICC ESR-2848) AS SUPPLIED BY INQUES SELF-COMPENSATING OR SELF-TIGHTENING FOR ANTICIPATED WOOD SHRINKAGE/COMP COMPENSATING DEVICES SHALL BE LOCATED AT EVERY LEVEL. PROPOSED SUBSTITUTIO COMPENSATING DEVICES CONFORMING TO THE LATEST EDITION OF ICC-ES ACCEPTANCI REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION. SUBMITTALS FOR HOLDOWN SYSTE A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.	T ENGINEERING OR APPROVED EQUAL. THE HOLDOWN SYSTEM SHALL BE FULLY RESSION INDICATED IN THE GENERAL STRUCTURAL NOTES. SHRINKAGE DNS FOR THE SPECIFIED HOLDOWN SYSTEM SHALL HAVE SHRINKAGE E CRITERIA AC316 AND SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR

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WOOD STRUCTURAL PANELS SHALL BE APA RATED SHEATHING. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE, EXPOSURE 1 DURABILITY CLASSIFICATION, IN CONFORMANCE WITH USDOC PS 1 or PS 2. ORIENTED STRAND BOARD, IN ACCORDANCE WITH USDOC PS 2, AND OF EQUIVALENT THICKNESS, EXPOSURE RATING AND SPAN RATING, MAY BE USED IN LIEU OF PLYWOOD PENDING ORIENTED STRAND BOARD SUBSTITUTION APPROVAL BY ARCHITECT. SEE PLANS FOR SHEATHING NAILING REQUIREMENTS. STRUCTURAL PANELS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED: ROOF SHEATHING: 19/32" THICKNESS WITH 40/20 min SPAN RATING

- FLOOR SHEATHING: 23/32" THICKNESS WITH 48/24 min SPAN RATING
- WALL SHEATHING: 15/32" THICKNESS WITH 32/16 min SPAN RATING (4 PLY MIN AT PLYWOOD OPTION)

PRESERVATIVE-TREATED WOOD SHALL BE REQUIRED IN THE FOLLOWING APPLICATIONS (SEE ARCH'L FOR ADDITIONAL APPLICATIONS):

- POSTS, GIRDERS, JOISTS, SUBFLOOR WHERE JOISTS or SUBFLOOR ARE WITH 18" OR GIRDERS ARE WITHIN 12" OF EXPOSED GROUND LOCATED
 - WITHIN PERIMETER OF BUILDING FOUNDATION.
 - FRAMING AND SHEATHING THAT REST ON EXTERIOR FOUNDATION WALLS AND ARE WITHIN 8" OF EXPOSED EARTH. FRAMING ATTACHED DIRECTLY TO INTERIOR SIDE OF EXTERIOR MASONRY OR CONCRETE WALLS BELOW GRADE.
 - FRAMING ON INTERIOR CONCRETE SLABS AND FOUNDATIONS.
 - BEAMS or GIRDERS ENTERING CONCRETE OR MASONRY WALLS WITH LESS THAN 1/2" AIR SPACE AT TOP, SIDES, or END. POSTS or COLUMNS SUPPORTED ON CONCRETE SLAB OR FOOTING, UNLESS SUPPORTED BY CONCRETE PIER THAT PROJECTS 1" ABOVE CONCRETE SLAB AND 8" ABOVE EXPOSED EARTH AND SEPARATION BETWEEN WOOD AND SLAB/EARTH/WEATHER IS PROVIDED BY AN IMPERVIOUS
 - MOISTURE BARRIER. FRAMING AND SHEATHING EXPOSED TO EARTH, WEATHER, MOISTURE or DAMPNESS.
- 8. FRAMING EMBEDDED IN CONCRETE.

PRESERVATIVE TREATMENT SHALL BE IN ACCORDANCE WITH AWPA STANDARDS U1 AND M4 (LATEST EDITIONS) AND SHALL USE WATER-BORNE PRESERVATIVES. REFER TO AWPA STANDARD U1 FOR REQUIRED USE CATEGORY DESIGNATIONS. CUT OR DRILLED SECTIONS OF TREATED MATERIAL SHALL BE TREATED WITH AN APPROVED PRESERVATIVE IN ACCORDANCE WITH AWPA STANDARDS. SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD SHALL NOT BE USED IN EXTERIOR APPLICATIONS OR IN WET OR DAMP LOCATIONS.

PRESERVATIVE-TREATED WOOD SHALL CONFORM STRICTLY TO MANUFACTURER'S RECOMMENDATIONS (DELIVERY, HANDLING, STORAGE, EXPOSURE TO MOISTURE, etc.)

TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NO. C-C-2019. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. ALL HANGERS AND OTHER HARDWARE SHALL BE COMPATIBLE IN SIZE WITH MEMBERS. PROVIDE NUMBER, LENGTH, AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER (SEE ALSO NAILING SCHEDULE THIS SHEET). FILL ALL HOLES WITH FASTENERS AS SPECIFIED BY MFR. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE CONNECTOR STRAPS OR TIES CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS, ANCHOR RODS, AND LAG SCREWS BEARING ON WOOD, UON. UNLESS NOTED OTHERWISE, ALL NAILS SHALL BE COMMON; SEE ALSO NAILING SCHEDULE THIS SHEET. ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED. WHERE STRAPS, CLIPS, etc. ARE CONNECTED TO TJI WEBS, PROVIDE WEB BLOCKING. MEMBERS IN HANGERS SHALL BEAR FULLY ON HANGER SEAT AND GAP BETWEEN END OF SUPPORTED MEMBER AND FACE OF SUPPORTING MEMBER SHALL NOT EXCEED 1/8" PER ASTM D1761 TEST STANDARDS.

SIMPSON HARDWARE IN CONTACT WITH ACQ, CA, OR CBA PRESERVATIVE-TREATED WOOD SHALL HAVE A ZMAX FINISH (G185 HDG PER ASTM A653) OR SHALL BE POST HOT-DIP GALVANIZED (PER ASTM A123 FOR CONNECTORS AND ASTM A153 FOR FASTENERS AND ANCHORS) UON. EXCEPTION: TYPE 304 OR 316 STAINLESS STEEL CONNECTORS AND FASTENERS ARE REQUIRED FOR THE FOLLOWING APPLICATIONS:

- ACQ, CA, or CBA TREATMENTS WITH AMMONIA WHERE MEMBERS ARE USED IN EXTERIOR APPLICATIONS.

- ALL ACZA TREATMENTS - RETENTION LEVELS GREATER THAN 0.40 pcf FOR ACQ, 0.41 pcf FOR CBA-A, 0.21 FOR CA-B, OR 0.15 pcf FOR CA-C TREATMENTS.

- WHERE RECOMMENDED BY PRESERVATIVE-TREATED WOOD MANUFACTURER.

STAINLESS STEEL CONNECTORS REQUIRE MATCHING STAINLESS STEEL FASTENERS. ZMAX AND POST HOT-DIP GALVANIZED CONNECTORS REQUIRE FASTENERS GALVANIZED PER ASTM A153.

UNLESS NOTED OTHERWISE, THE FOLLOWING HANGER SPECIFICATIONS APPLY. FACE MOUNT HANGERS SHALL BE MAXIMUM DEPTH HANGER THAT FITS THE SPECIFIED MEMBER. (OPTIONS IN PARENTHESES ARE ZMAX OR HDG AND ARE FOR USE WITH PRESSURE-PRESERVATIVE TREATED WOOD. VERIFY AVAILABILITY WITH HANGER MFR; OTHERWISE SUBSTITUTE HANGER WITH EQUAL OR GREATER CAPACITY). STAINLESS STEEL OPTIONS, WHERE REQUIRED, SHALL BE AS RECOMMENDED BY SIMPSON STRONG-TIE:

2x or 2-2x MEMBER TO FLUSH WOOD MEMBER	LUS (LUSZ)
2x MEMBER TO SILL PLATE OR STEEL BEAM OR LESSER DEPTH FLUSH WOOD MEMBER	JB/JBA (LBZ/LBAZ)
2-2x MEMBER TO SILL PLATE OR STEEL BEAM OR LESSER DEPTH FLUSH WOOD MEMBER	WP (WPZ)
PRE-MFR TRUSS TO FLUSH WOOD MEMBER	MUS28 SERIES
TJI MEMBER TO FLUSH WOOD MEMBER	IUS
2-TJI MEMBER TO FLUSH WOOD MEMBER TJI MEMBER TO SILL PLATE OR STEEL BEAM	MIU
OR LESSER DEPTH FLUSH WOOD MEMBER	ITS
2-TJI MEMBER TO SILL PLATE OR STEEL BEAM OR LESSER DEPTH FLUSH WOOD MEMBER	МІТ
TJI MEMBER TO STEEL BEAM WHERE GWB PASSES BEHIND HANGER	DGF
TJI MEMBER TO FLUSH WOOD MEMBER WHERE GWB PASSES BEHIND HANGER	DGF
4x, LSL, LVL or PSL BEAM TO FLUSH WOOD MEMBER	HU MAX (HUZ MAX)
4x, LSL, LVL or PSL BEAM TO SILL PLATE OR STEEL BEAM OR LESSER DEPTH FLUSH WOOD MEMBER	BA MAX (BAZ MAX)
4x4 POST TO CONCRETE BELOW	CBSQ44-SDS2 (HDG)
6x6 POST TO CONCRETE BELOW	CBSQ66-SDS2 (HDG)
4x, 6x OR PSL POST TO WOOD BEAM ABOVE	AC MAX / LCE MAX (ACZ MAX / LCEZ MAX)
WOOD REAM TO WOOD REAM THAT REARS ON POST	HWPZ W/ OFESET TOP FLANGE

WOOD BEAM TO WOOD BEAM THAT BEARS ON POST HWPZ W/ OFFSET TOP FLANGE

WHERE HU/HUC HANGERS ARE SPECIFIED, MAX NAILING (PER SIMPSON CATALOG) IS REQUIRED, TYP. WHERE HUMAX/HUCMAX HANGERS ARE SUPPORTED FROM 1 3/4" WIDE LSL BEAMS, USE .148 x 1 1/2" NAILS FROM HANGER TO SUPPORTING LSL BEAM. WHERE HUCMAX HANGERS ARE REQUIRED AT ENDS OF 1 3/4" WIDE LSL BEAMS, ONE FLANGE SHALL BE CONCEALED.

WOOD FASTENERS

FASTENERS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UON. SPLITTING SHALL BE AVOIDED AT ALL WOOD FASTENERS:

STEEL to WOOD and WOOD to WOOD CONNECTION BOLTS - ANSI/ASME STANDARD B18.2.1 ANCHOR RODS (7" EMBED UON) - ASTM F1554 GRADE 36 W/ THREADED ENDS AND WELDED NUT AT END (HIGHER STRENGTH WHERE REQ'D BY HOLDOWN SCHEDULE) LAG SCREWS - ANSI/ASME STANDARD B18.2.1

WOOD SCREWS - ANSI/ASME STANDARD B18.6.1 NAILS - ASTM F1667

FASTENER BENDING YIELD STRENGTHS Fyb SHALL CONFORM TO 2015 NATIONAL DESIGN SPECIFICATION TABLE 11.

NAIL SIZES ARE SPECIFIED AS FOLLOWS. IF THE CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS (INCLUDING LONGER NAILS), THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE STRUCTURAL ENGINEER (PRIOR TO CONSTRUCTION) FOR REVIEW AND ACCEPTANCE.

SHEATHING FASTENERS SHALL BE DRIVEN SO THAT HEAD OR CROWN IS FLUSH WITH SHEATHING SURFACE. 3/8" MIN. EDGE DISTANCE SHALL BE MAINTAINED ON

AI	HI	NG	FAS	IFV	IER	S.	

SIMPSON CONNECTORS	TYP UON	SEE CATALOG
	MSTA STRAPS DIRECT TO FRAMING	.148 x 1 1/2"
	MSTA STRAPS OVER APA SHTG TO FRAMING	.148 x 2 1/2"
	CS STRAPS DIRECT TO FRAMING	.131 x 1 1/2"
	CS STRAPS OVER APA SHTG TO FRAMING	.131 x 2 1/2"
	CMSTC STRAPS DIRECT TO FRAMING	.148 x 1 1/2"
	CMSTC STRAPS OVER APA SHTG TO FRAMING	.148 x 3"
	HANGERS W/ 16d OR 10d OPTIONS	.162 x 3 1/2"
FLOOR SHEATHING	TYPICAL	.131 DEFORMED SHANK x 2 1/2"
ROOF SHEATHING	TYPICAL	.131 x 2 1/2"
STUD WALL APA SHEATHING	15/32 SHTG	.148 x 2 1/4"
MEMBER TO MEMBER FACE NAILING	TYP UON	.131 x 3"
	BOTTOM PLATE TO FRAMING BELOW	.131 x 3 1/2"
TOENAILING	TYP UON	.131 x 3"

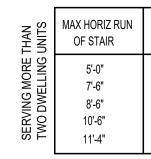
- FASTENERS (INCLUDING NUTS AND WASHERS) EXPOSED TO EARTH OR WEATHER OR PLACED IN PRESERVATIVE-TREATED OR FIRE-RETARDANT-TREATED WOOD SHALL BE AS FOLLOWS:
 - FASTENERS IN CONTACT WITH UNTREATED WOOD EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL (PER ASTM A123 AND A153). STAINLESS STEEL. SILICON BRONZE, OR COPPER. FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS, STAPLES AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55 MINIMUM. EXCEPTION: FASTENERS IN CONTACT WITH SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT SHALL BE PERMITTED TO BE PLAIN CARBON STEEL.
 - FASTENERS IN CONTACT WITH FIRE-RETARDANT-TREATED WOOD IN EXTERIOR APPLICATIONS OR WET OR DAMP LOCATIONS SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL (PER ASTM A123 AND A153), STAINLESS STEEL, SILICON BRONZE, OR COPPER. FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS, STAPLES AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM B 695, CLASS 55 MINIMUM. FASTENERS IN CONTACT WITH FIRE-RETARDANT-TREATED WOOD IN DRY INTERIOR LOCATIONS SHALL BE IN ACCORDANCE WITH THE
 - MANUFACTURER'S RECOMMENDATIONS. IN THE ABSENCE OF SUCH RECOMMENDATIONS, THE REQUIREMENTS IN NOTE 2 ABOVE SHALL APPLY.

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SPACED FASTENERS SPECIFIED ON THE DRAWINGS SHALL BEGIN AT 1/2 SPECIFIED SPACING FROM THE ENDS OF THE MEMBERS, UON. PROVIDE (2) FASTENERS MINIMUM EACH MEMBER, TYP. ANCHOR RODS FROM SILL PLATES TO CONCRETE SHALL BEGIN A MIN. OF 9 1/2" AND A MAX. OF 12" FROM EACH END OF EACH PIECE OF SILL PLATE. (EXCEPTION: AT SHEARWALLS, BEGIN AT 1/2 SPECIFIED SPACING IF THIS RESULTS IN LESS THAN 12" DISTANCE FROM END OF SILL PLATE PIECE).

INTERIOR WOOD STAIR STRINGER AND LANDING FRAMING AT BUILDING A SHALL CONFORM TO THE FOLLOWING SECTION: LANDINGS: SEE FRAMING PLANS AND STRUCTURAL DETAILS FOR INFORMATION.

STRINGERS PER SCHEDULE:



- 2x12 5 1/4", 1 3/4 x 11 7/8 LSL 5 7/8", 1 3/4 x 14 LSL 8".
- NOTED). PROVIDE (2) ROWS OF .131 x 3" NAILS @ 6" oc STAGGERED FROM 2x6 TO STRINGER. STOP 2x6 MEMBERS 4" SHORT OF ENDS OF STRINGERS.

- TOP OF SUPPORTING BEAM/LEDGER.
- HANGER PER NOTE 5.

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WOOD FRAMING NOTES - THE FOLLOWING APPLY UNLESS SHOWN OTHERWISE ON THE PLANS

STRUCTURAL MEMBERS SHALL NOT BE DRILLED OR NOTCHED WITHOUT PRIOR REVIEW AND ACCEPTANCE BY THE STRUCTURAL ENGINEER, UNLESS OTHERWISE NOTED SEE STRUCTURAL DETAILS FOR PENETRATION LIMITATIONS AT STRUCTURAL STUDS AND PLATES. THRU-BOLT AND ANCHOR ROD HOLES SHALL BE AT LEAST 1/32" BUT NO MORE THAN 1/16" LARGER THAN BOLT/ROD DIAMETER. CLEARANCE HOLES FOR LAG SCREW SHANKS SHALL HAVE THE SAME DIAMETER AS THE LAG SHANK AND THE SAME PENETRATION DEPTH AS THE LENGTH OF THE UNTHREADED SHANK. LEAD HOLES FOR THREADED PORTION OF LAG SCREWS SHALL HAVE A DIAMETER OF 40 TO 70% OF LAG SCREW SHANK DIAMETER WITH LARGER PERCENTILE APPLICABLE TO LAG SCREWS OF GREATER DIAMETER. LEAD HOLES SHALL EXTEND THE LENGTH OF THE THREADED PORTION OF THE LAG SCREW.

ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.10.1 OF THE INTERNATIONAL BUILDING CODE. UNLESS NOTED OTHERWISE, ALL NAILS SHALL BE COMMON. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS, ANCHOR RODS, AND LAG SCREWS BEARING ON WOOD, UON. INSTALLATION OF LAG SCREWS SHALL CONFORM TO 2015 NDS SECTION 12.1.4. BOLTS, ANCHOR RODS, AND LAG SCREWS SHALL BE CENTERED IN MEMBERS, UON.

WALL FRAMING: ALL STRUCTURAL STUD WALLS (BEARING OR SHEAR WALLS) SHOWN AND NOT OTHERWISE NOTED SHALL BE SHALL BE AS INDICATED IN SCHEDULES OF CALLOUTS ON STRUCTURAL FRAMING PLANS. SEE ARCHITECTURAL DRAWINGS FOR DIFFERING WALL WIDTHS AND FOR FRAMING AT NONSTRUCTURAL WALLS. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS, AND BELOW BEAM BEARING POINTS. SOLID BLOCKING FOR SOLID WOOD POSTS AND MULTI-STUD POSTS SHALL BE PROVIDED THROUGH INTERMEDIATE LEVELS TO SUPPORTS BELOW. PROVIDE CONTINUOUS SOLID BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 10' IN HEIGHT AND AT MID-HEIGHT OF WALLS WITH SHEATHING ON ONE SIDE ONLY (i.e. EACH SIDE OF PARTY WALLS).

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH .131 x 3 1/2" NAILS @ 8" oc OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR RODS @ 6'-0" oc UON. EMBED ANCHOR RODS 7" UON. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH .131 x 3" NAILS @ 8" oc STAGGERED, UON.

REFER TO THE PLANS AND SHEAR WALL SCHEDULE FOR REQUIRED SHEATHING AND NAILING. WHEN NOT OTHERWISE NOTED, PROVIDE GYPSUM WALLBOARD ON INTERIOR SURFACES; SEE ARCH'L FOR THICKNESS AND ATTACHMENT REQUIREMENTS. PROVIDE 15/32" APA RATED SHEATHING (SPAN RATING 32/16) ON EXTERIOR SURFACES NAILED AT ALL PANEL EDGES (BLOCK UNSUPPORTED EDGES), TOP AND BOTTOM PLATES WITH .148 x 2 1/4" NAILS @ 6" oc AND TO ALL INTERMEDIATE STUDS AND BLOCKING @ 12" oc. ALLOW 1/8" GAP AT ALL APA SHEATHING PANEL EDGES AND ENDS. (SEE DETAILS WHERE LARGER GAP IS REQUIRED).

AT WOOD FRAMED FLOOR AND ROOF LEVELS, PROVIDE CONTINUOUS 5 1/4" WIDE PSL RIMS ALL SIDES OF STAIR OPENINGS, ELEVATOR OPENINGS AND 2-HOUR SHAFTS. RIM DEPTHS SHALL MATCH DEPTHS OF ADJACENT FLOOR / ROOF FRAMING. AT INTERSECTIONS OF THESE CONTINUOUS RIMS. PROVIDE 2-A35 CLIPS ON INSIDE FACE AND 2-LSTA36 STRAPS ON OUTSIDE FACE CENTERED ON RIM INTERSECTION.

AT EXTERIOR WALLS, PROVIDE FLATWISE 2x6 AT ALL DOOR HEADS AND WINDOW SILLS AND HEADS, UON. (PROVIDE FLATWISE 2-2x6 WHERE OPENING WIDTH IS GREATER THAN 6' AND LESS THAN 9'-6", UON). SEE 6/S401 AT OPENINGS WITHIN SHEARWALLS. PROVIDE (3) .131 x 3" TOENAILS EACH END OF EACH 2x6 MEMBER.

FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS.

TOENAIL JOISTS TO SUPPORTS WITH (3) .131 x 3" NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. INDIVIDUAL MEMBERS OF MULTI-JOIST BEAMS SHALL BE NAILED TO EACH OTHER WITH (2) ROWS OF .131 x 3" NAILS @ 12" oc.

UNLESS OTHERWISE NOTED ON THE PLANS, APA SUB-FLOORING AND ROOF SHEATHING SHALL BE LAID UP WITH GRAIN (STRENGTH AXIS) PERPENDICULAR TO SUPPORTS (JOISTS, TRUSSES, etc.), IN A STAGGERED PATTERN WITH PANEL ENDS OCCURING OVER SUPPORTING STRUCTURAL MEMBERS, AND NAILED @ 6" oc TO FRAMED PANEL EDGES, @ 4" oc OVER SHEAR WALLS AND @ 12" oc TO INTERMEDIATE SUPPORTS. SEE NOTES ABOVE FOR NAIL SIZES. NAILS SHALL BE LOCATED AT LEAST 3/8" FROM PANEL EDGES. ALL SUB-FLOORING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING/FRAMING. ALL ROOF SHEATHING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING/FRAMING WHERE INDICATED ON THE STRUCTURAL DRAWINGS OR AS REQUIRED BY THE ROOFING MANUFACTURER. GLUE SUB-FLOORING TO ALL SUPPORTS WITH ADHESIVE CONFORMING TO APA SPEC. AFG-01 IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALLOW 1/8" GAP AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING. WHERE BLOCKED FLOOR AND ROOF DIAPHRAGMS ARE INDICATED. PROVIDE FLAT 2x BLOCKING AT ALL UNFRAMED PANEL EDGES AND NAIL WITH EDGE NAILING SPECIFIED.

SIDE STRINGERS CENTER STRINGER CONNECTOR SIZE CONNECTOR SIZE 2 x 12 / 2 x 6 A35 2 x 12 A35 1 3/4 x 11 7/8 LSL / 2 x 6 A35 E.S. 2 x 12 / 2 x 6 A35 1 3/4 x 11 7/8 LSL / 2 x 6 E.S. 1 3/4 x 11 7/8 LSL A35 A35 E.S. 1 3/4 x 14 LSL / 2 x 6 LSSR1.81Z 1 3/4 x 14 LSL A35 (2) 1 3/4 x 14 LSL

THROAT DEPTH

1. WHERE TOPS OF STRINGERS ARE NOTCHED FOR TREADS AND RISERS, MINIMUM THROAT DEPTH AT NOTCH SHALL BE AS FOLLOWS 2. WHERE 2x6 MEMBERS INDICATED, FULL-DEPTH 2x6 MEMBER SHALL BE SISTERED WITH NOTCHED STRINGER (SISTER EA SIDE WHERE

3. BOTTOM EDGE OF STRINGERS SHALL NOT BE NOTCHED EXCEPT AS FOLLOWS: WHERE STRINGERS BEAR ON TOP OF WOOD FLOOR FRAMING BELOW, PROVIDE LET-IN 2x4 NAILER AT BOTTOM OF STRINGER PROVIDE (2) .131 x 3" NAILS EA SIDE EA STRINGER FROM NAILER TO FRAMING BELOW. WHERE STRINGERS BEAR ON CONCRETE SLAB, PROVIDE LET-IN 2x4 TREATED NAILER W/ 3/8" EXP. BOLT AT EACH STRINGER (EMBED 1 5/8"). DO NOT DAMAGE POST-TENSIONED OR MILD REINFORCING WHEN USING EXPANSION BOLTS. PROVIDE VAPER BARRIER AT BOTTOM OF STRINGERS IN CONTACT WITH CONCRETE.

PROVIDE (12) .131 x 1 1/2" NAILS AT A35 CONNECTORS. A35 WITH SCREWS SHALL HAVE (12) #9 x 1 1/2" SD SCREWS. WHERE A35 E.S. INDICATED, STAGGER CONNECTORS EA SIDE OF STRINGER TO AVOID NAIL INTERFERENCE. WHERE STRINGER END DEPTH NOT ADEQUATE FOR STAGGERED A35, PROVIDE THAI22 MIN HANGERS. USE .148 x 3" NAILS AND FIELD FORM STRAP 2 1/2" OVER

6. AT LSSR HANGERS, STRINGER END DEPTH SHALL BE 9 1/2" MIN. WHERE STRINGER END DEPTH LESS THAN 9 1/2", PROVIDE THAI22

7. AT DOUBLE LSL STRINGER, INTERCONNECT WITH (2) ROWS OF 3 3/8" LONG SDW SCREWS @ 16" oc EA ROW.

GGLO

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A BARA 06-22-2020 MICHAEL NOUWENS tructural Consultants 130 Second Avenue North #921 Edmonds, WA 98020 michael@nouwens-structural.com www.nouwens-structural.com P 206.546.8446

PROJECT:

EHA BAKER HEIGHTS



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET EVERETT, WA 98201

OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVE EVERETT, WASHINGTON 98201

MARK DATE DESCRIPTION REVISIONS

C 06/22/2020	BUILDING PERMIT SUBMITTAL /
	HUD SUBMITTAL
B 04/10/2020	DESIGN DEVELOPMENT
A 12/15/2019	SCHEMATIC DESIGN
MARK DATE	DESCRIPTION
ISSUE INFO	RMATION
PROJECT NO.:	2017033
PRINCIPAL IN CH	ARGE:

PROJECT MANAGER Michael Nouwen OWNER APPROVAL:

SHEET TITLE

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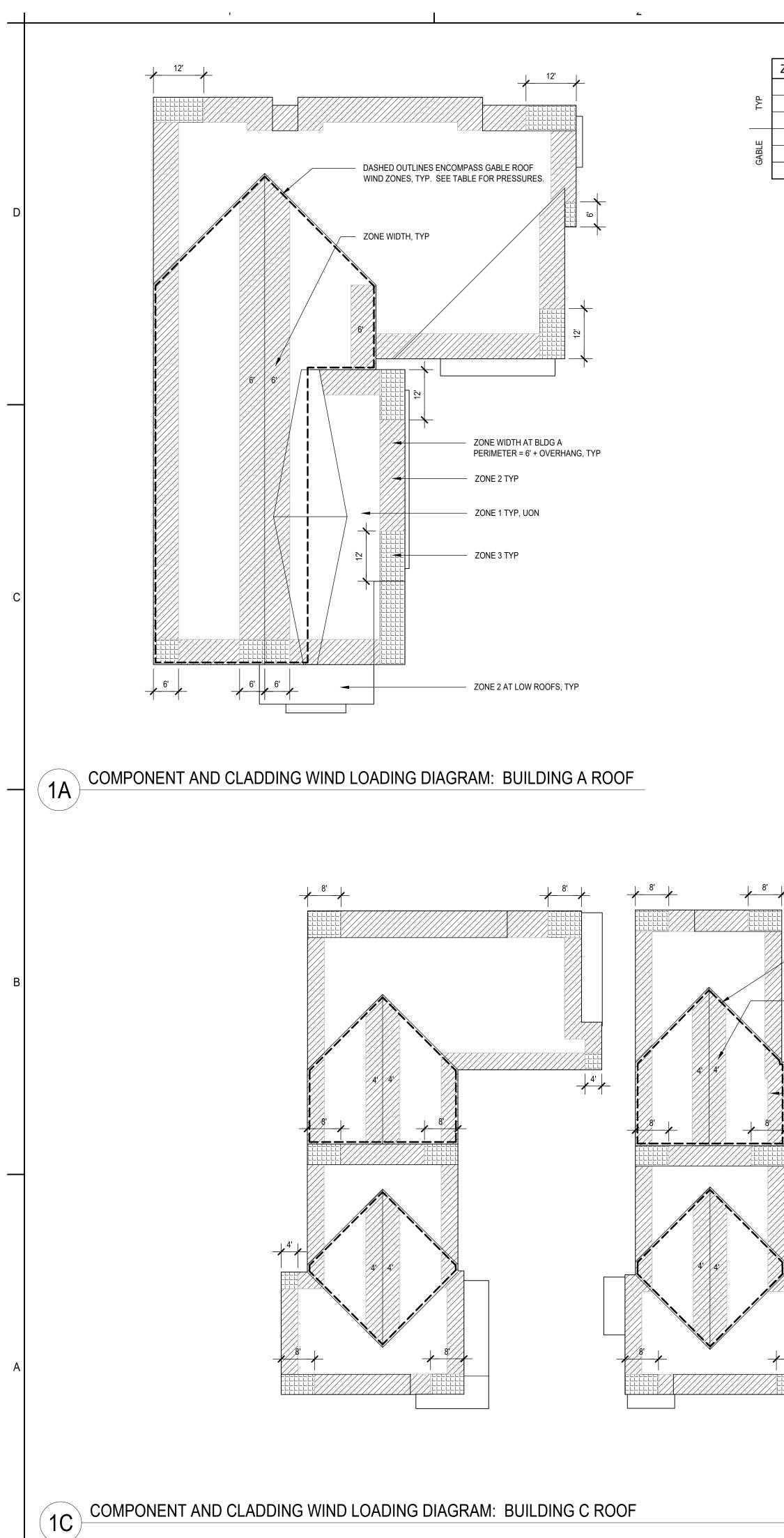
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GENERAL STRUCTURAL NOTES

SHEET NO.

LSSR410Z 1 3/4 x 14 LSL A35 w/ screws



ZONE	10 sf EFF	100 sf EFF	OVERHANGS
1	18.8 psf / -50.8 psf	16.0 / -36.9	
2	27.3 / -72.1	20.9 / -60.1	use zone 2 values
3	20.9 / -91.3	18.8 / -82.8	use zone 3 values
1	16.0 / -23.0	16.0 / -20.9	
2	16.0 / -40.1	16.0 / -29.5	-50.8
3	16.0 / -59.3	16.0 / -46.5	-82.8 (10 sf) / -55.9 (100 sf)

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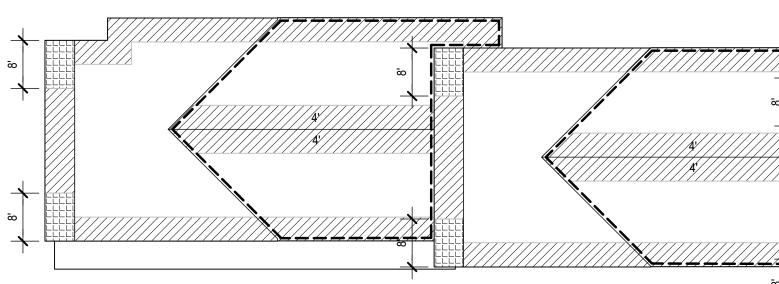
1. LOADS ARE SHOWN AT ULTIMATE LEVELS; MULTIPLY VALUES BY 0.6 TO

- OBTAIN ASD LEVELS.
 USE LINEAR INTERPOLATION FOR EFF WIND AREAS BETWEEN 10 sf AND 100 sf.
 PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE EXTERIOR SURFACES, RESPECTIVELY.
- FROM THE EXTERIOR SURFACES, RESPECTIVELY.

	Τ
ZONE 5	 ZONE 4
	 +25.2 / -27.7 psf (10 sf EFF WIND AREA) +20.9 / -23.5 psf (100 sf EFF WIND AREA)
	<u> </u>
BLDG A: 6'-0" B-C-D: 4'-0"	
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2 COMPONENT AND CLADDING WIND LOADING DIAGRAM: TYPICAL EX



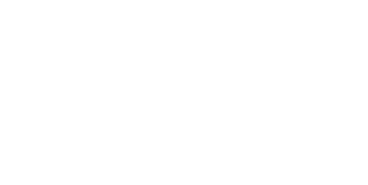
1B COMPONENT AND CLADDING WIND LOADING DIAGRAM: BUILDING E

 DASHED OUTLINES ENCOMPASS GABLE ROOF WIND ZONES, TYP. SEE TABLE FOR PRESSURES.

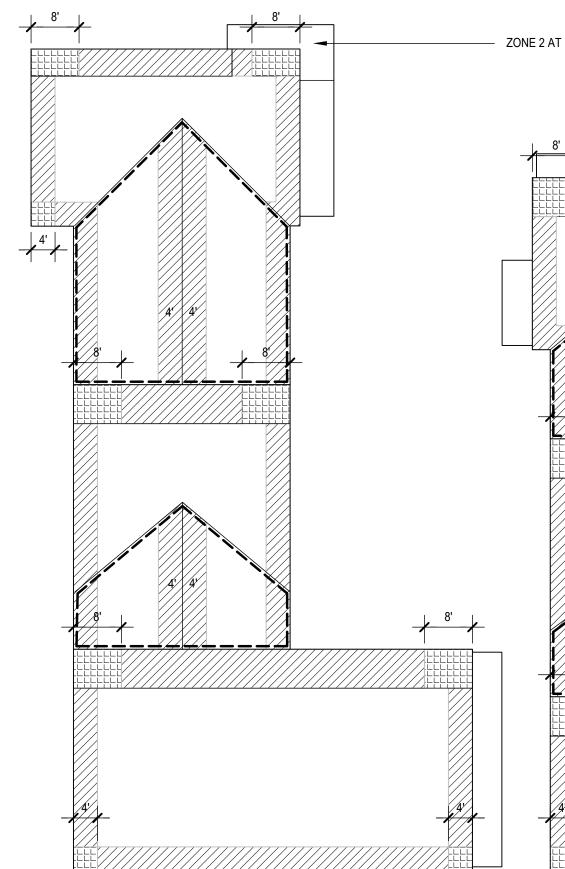
ZONE WIDTH TYP.

<u>^</u>

- ZONE WIDTH AT BLDG B-C-D PERIMETERS = 4' + OVERHANG, TYP



<u>^</u>



1D COMPONENT AND CLADDING WIND LOADING DIAGRAM: BUILDING

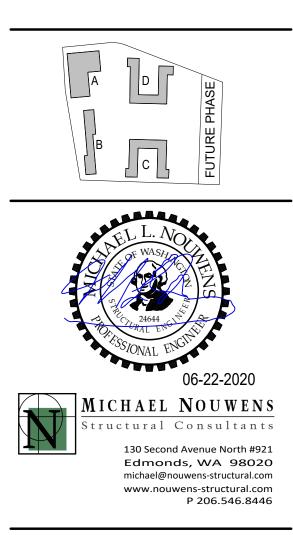
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ZONE 5	Iseattle, WA 98101 http://www.gglo.com
+25.2 / -33.7 psf (10 sf EFF WIND AREA) +20.9 / -26.3 psf (100 sf EFF WIND AREA) BLDG A: 6'-0"	D R B L C C C C C C C C C C C C C C C C C C
XTERIOR WALL ELEVATION	CHARLENCIP
	06-22-2020 MICHAEL NOUWENS Structural Consultants 130 Second Avenue North #921 Edmonds, WA 98020 michael@nouwens-structural.com P 206.546.8446 PROJECT:
	C EHA BAKER HEIGHTS
B ROOF	PROJECT ADDRESS: BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET EVERETT, WA 98201
T LOW ROOFS, TYP	OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVE EVERETT, WASHINGTON 98201
	MARK DATE DESCRIPTION B REVISIONS
	C 06/22/2020 BUILDING PERMIT SUBMITTAL / HUD SUBMITTAL B 04/10/2020 DESIGN DEVELOPMENT A 12/15/2019 SCHEMATIC DESIGN
	MARK DATE DESCRIPTION ISSUE INFORMATION ISSUE INFORMATION PROJECT NO.: 2017033 PRINCIPAL IN CHARGE: PROJECT MANAGER: Michael Nouwens OWNER ADDROVALE
	A OWNER APPROVAL: A SHEET TITLE WIND LOADING DIAGRAMS
DROOF	SHEET NO. S-003 COPYRIGHT MNSC. ALL RIGHTS RESERVED.
	ORIGINAL SHEET SIZE IS 24"x36"

min cover 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5"	d Ld-top Lst Lst-top 5" 2" 1" 1.5" 2" 1" 1.5" 2" 2 12 12 12 12 12 12 12 15 15 6 2 12 15 15 15 15 15 20 20 7	SEE IBC CHAPTER 17: "STRUCTURAL TESTS AND SPECIAL INSPECTIONS" FO	R MORE DETAILED REQUIREMENTS.						
#5 20 17 17 26 22 22 26 22 22 33 28 28 10 #6 27 20 20 35 26 26 35 26 26 46 34 34 12 #7 44 33 29 57 43 38 57 43 38 75 55 49 14 #8 55 41 33 72 54 43 72 54 43 93 70 56 16 #9 67 51 41 87 66 54 87 66 54 113 86 70 18	5 15 22 19 19 29 24 24 9 8 18 31 23 23 31 23 23 40 29 29 10 9 25 50 37 33 50 37 33 65 48 43 12 6 29 62 47 38 62 47 38 81 61 49 14 4 36 76 58 46 76 58 46 98 75 60 15	VERIFICATION AND INSPECTION	FREQUENCY CONTINUOUS PERIODIC	REFERENCED STANDARD	IBC REFERENCE	VERIFICATION AND INSPECTION	FREQUENCY CONTINUOUS PERIODIC	REFERENCED STANDARD	IBC REFERENCE
BAR Ld Ld-top Lst Lst-top Ldh min cover 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2" <td>d Ld-top Lst Lst-top Ldh 5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2"</td> <td>WOOD CONSTRUCTION</td> <td></td> <td></td> <td></td> <td>CONCRETE CONSTRUCTION (SEE IBC 1705.3 FOR EXCEPTIONS)</td> <td></td> <td></td> <td></td>	d Ld-top Lst Lst-top Ldh 5" 2" 1" 1.5" 2" 1" 1.5" 2" 1" 1.5" 2"	WOOD CONSTRUCTION				CONCRETE CONSTRUCTION (SEE IBC 1705.3 FOR EXCEPTIONS)			
#3 12 12 12 12 12 12 12 14 14 14 6 #4 12 12 12 12 12 12 12 14 14 14 6 #5 16 14 14 14 14 14 19 19 19 7 #6 22 17 17 29 21 21 21 38 28 28 10 10	2 12 12 12 12 12 12 13 13 13 6 2 12 14 14 14 14 14 18 18 6 3 13 20 17 17 20 17 17 26 22 22 8 6 16 28 20 20 28 20 20 36 26 26 9	W1. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM INCLUDING COLLECTORS, BRACES, HOLDOWNS, SHEARWALLS, THRU FLOOR and ROOF BLOCKING, AND DIAPHRAGMS.	x		1705.12.2	C1. INSPECTION OF REINFORCING BARS, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT. C2. INSPECTION OF REINFORCING STEEL WELDING :	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
	623453330453330584338112265642345642347254441203268524268524288675414	a. WOOD SHEAR WALLS AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER COMPONENTS (OTHER THAN POST-INSTALLED CONCRETE ANCHORS)				a. WELDABILITY OF BARS OTHER THAN ASTM A706 b. SINGLE PASS FILLET WELDS; 5/16" MAX c. ALL OTHER WELDS	X X X	AWS D1.4 ACI 318: 26.6.4	
 TABLE A APPLIES TO WALL HORIZONTAL REINFORCING, SLABS, FOOTINGS AND ALL OTHER ELEMENTS NOT SPECIFICALLY NOTED IN TABLES B-D. TABLE IS BASED ON 4" MIN CLEAR SPACING BETWEEN REINFORCING BARS. 		WHERE SHEATHING FASTENERS ARE SPACED MORE THAN 4" oc.				C3. INSPECTION OF ANCHORS CAST IN CONCRETE.	X	ACI 318: 17.8.2	
3. Ldh VALUES ARE BASED ON 2 1/2" MIN SIDE COVER AND 2" MIN END COVER.	TABLE A	WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES.			1704.2.5	HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST	x	ANSI ACCREDITED	
		GEOTECHNICAL - GENERAL G1. VERIFICATION OF MATERIALS BELOW FOOTINGS FOR ADEQUACY	Y		1705.0	 b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN PARAGRAPH C4a. 	x	REPORT FOR SPECIFIED PRODUCT, ACI 318: 17.8.2	
	min clear spacing between bars, typ d Ld-top Lst Lst-top a" 4" 2" 3" 4"	TO ACHIEVE THE DESIGN BEARING CAPACITY. G2. VERIFICATION THAT EXCAVATIONS ARE EXTENDED TO THE PROPER			1705.6	C5. VERIFICATION OF USE OF REQUIRED DESIGN MIX.	x	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
#3 12 12 13 13 13 13 13 13 17 17 17 6 #4 14 14 14 18 18 18 18 18 18 18 23 23 23 8 #3 12 1	2 12 12 12 12 12 12 12 12 12 12 13 14 14 2 12 12 12 12 12 12 15 15 6 2 12 15 15 15 15 15 15 6 2 12 15 15 15 15 15 20 20 7	DEPTH AND HAVE REACHED PROPER MATERIAL.	X		1705.6	C6. PRIOR TO CONCRETE PLACEMENT, FABRICATION OF SPECIMENS FOR STRENGTH TESTS, PERFORMANCE OF	x	ASTM C172 ASTM C31	1908.10
#6 27 20 20 35 26 26 35 26 26 46 34 34 12 ⁺ #6 24 1	5 15 22 19 19 29 24 24 9 8 18 31 23 23 31 23 23 40 29 29 10 9 25 50 37 33 50 37 33 65 48 43 12	G3. PERFORMANCE OF CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	X		1705.6	SLUMP AND AIR CONTENT TESTS, AND DETERMINATION OF CONCRETE TEMPERATURE.		ACI 318: 26.4, 26.12	
	6296247386247388161491443676584676584698756015	G4. VERIFICATION OF USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X		1705.6	C7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	ACI 318: 26.5	1908.6, 1908.7, 190
min clear spacing between bars, typ BAR Ld Ld-top Lst Lst-top Ldt 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 2" 3" 4" 3" 4" 2" 3" 4" 3" 4" 4" 3" 4"	min clear spacing between bars, typ d Ld-top Lst Lst-top Ldh b" 4" 2" 3" 4" 2" 3" 4"	G5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECTION OF SUBGRADE AND VERIFICATION THAT SITE HAS BEEN	x		1705.6	C8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	X	ACI 318: 26.5.3-26.5.5	1908.9
#3 12 12 12 12 12 12 12 12 14 14 14 6 #3 12 1 #4 12 12 12 14 14 14 14 6 #3 12 1	2 12 12 12 12 12 13 13 13 6 2 12 14 14 14 14 14 18 18 6	PREPARED PROPERLY.				C9. INSPECTION OF POST-TENSIONED CONCRETE: A. APPLICATION OF PRESTRESSING FORCES B. TENDON FINISHING (SEE GEN STRUCT NOTES)	x x	ACI 318: 26.10	
#6 22 17 17 29 21 21 29 21 21 38 28 28 10 #7 36 27 24 47 35 31 47 35 31 61 45 40 11 #6 21 1	3 13 20 17 17 20 17 17 26 22 22 8 6 16 28 20 20 28 20 20 36 26 26 9 6 23 45 33 30 45 33 30 58 43 38 11					C10. INSPECTION OF ERECTION OF PRECAST CONCRETE MEMBERS.	X	ACI 318: Ch. 26.8	
	2 26 56 42 34 56 42 34 72 54 44 12 0 32 68 52 42 68 52 42 88 67 54 14					C11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	x	ACI 318: 26.11.2	
DOWELS THAT CONFORM TO MINIMUM COVER REQUIREMENTS IN NOTES 2 AND 3. AT #3-#7 BARS, TABLE IS BASED ON 1 7/8" MIN COVER TO BARS AND 1 1/2" MIN COVER TO ENCLOSING TIES/STIRUPS.	TABLE B					C12. INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	x	ACI 318: 26.11.1.2	
 AT #8-#9 BARS, TABLE IS BASED ON 2" MIN COVER TO BARS AND 1 1/2" MIN COVER TO ENCLOSING TIES/STIRRUPS. Ldh VALUES ARE BASED ON 2 1/2" MIN SIDE COVER AND 2" MIN END COVER. 						C13. INSPECTION OF MECHANICAL SPLICING OF REINFORCING BARS.	X	ANSI ACCREDITED REPORT FOR SPECIFIED PRODUCT	
BAR Ld Ldc Lst BAR Ld Ldc Lst BAR Ld Ldc Lst						C14. SUBMITTAL OF MILL TEST REPORTS WHERE ASTM A615 REINF IS PROPOSED AS A SUBSTITUTION FOR ASTM A706 REINF		ACI 318: 20.2.2.5, 26.13.2.3	
#4 14 11 18 #4 12 10 15 #4 12 9 12 #5 17 14 22 #5 15 12 19 #5 12 10 15 #6 #6 12 12 12 16 #6 20 17 26 #6 18 15 23 #6 14 14 19						C15. INSPECTION OF HEADED SHEAR STUD (STUDRAIL) INSTALLATION	X	ANSI ACCREDITED REPORT FOR SPECIFIED PRODUCT	
#7 29 20 38 #7 25 17 33 #7 21 16 27 #8 33 22 43 #8 29 19 38 #8 24 18 31 #9 41 25 54 #9 36 22 46 #9 30 21 38						C16. INSPECTION OF HEADED STUD ANCHOR INSTALLATION	X		
 TABLE C APPLIES TO COLUMN LONGITUDINAL REINFORCING AND ASSOCIATED DOWELS THAT CONFORM TO MINIMUM COVER AND CLEAR SPACING REQUIREMENTS IN NOTE 2. TABLE IS BASED ON 2" MIN COVER TO BARS AND 4" MIN CLEAR SPACING BETWEEN BARS. 	TABLE C					STATEMENT OF SPECIAL INS	PECTIONS		
						2 1. SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE WITH IBC CHAP THIS SHEET AND S005.		IS INDICATED IN THE TABL	.ES ON
BAR Lst BAR Lst BAR Lst BAR Lst Ldh min cover 1" 1.5" 2" Ldh 1" 1.5" 2" Ldh Ldh Ldh Ldh Ldh I" 1.5" 2" Ldh I" 1.5" 2" I" I" 1.5" 2" I" II I" II I" II						 2. <u>SEISMIC FORCE RESISTING SYSTEMS</u> SUBJECT TO SPECIAL INSPECTIO a. APA RATED SHEARWALLS, HOLDOWN SYSTEMS, SHEARWALL OP THROUGH FLOOR/ROOF BLOCKING AND NAILING AND HARDWARE 	ENING CORNER STRAPS, DIAPHRAGN	IS AND COLLECTORS,	
#4 22 22 22 10 6 #4 19 19 19 19 9 6 #4 18 18 8 #5 32 27 27 12 #5 28 24 24 11 #5 26 22 22 10 #6 44 32 32 15 #6 38 28 28 13 #5 #6 36 27 27 12						 <u>DESIGNATED SEISMIC SYSTEMS</u>, DEFINED IN IBC SECTION 202 AS ARCI COMPONENTS THAT REQUIRE DESIGN IN ACCORDANCE WITH ASCE 7-1 	0 CHAPTER 13 AND HAVE A COMPON	IENT IMPORTANCE FACTO	R lp
#7 72 54 47 17 #7 62 47 41 15 #7 59 44 39 14 #8 89 68 54 20 #8 78 59 47 17 #8 73 55 44 16						GREATER THAN ONE, ARE SUBJECT TO SPECIAL INSPECTION AND TES SHALL BE PROVIDED FOR ACTIVE MECHANICAL AND ELECTRICAL EQUI EARTHQUAKE GROUND MOTION AND FOR COMPONENTS WITH HAZARE	PMENT THAT MUST REMAIN OPERAB DOUS SUBSTANCES AND ASSIGNED A	LE FOLLOWING THE DESIGN COMPONENT IMPORTANC	GN CE
 TABLE D APPLIES TO WALL VERTICAL REINFORCING AND ASSOCIATED DOWELS. (TABLE D DOES NOT APPLY TO SITE WALLS). Ldh VALUES ARE BASED ON 2 1/2" MIN SIDE COVER AND 2" MIN END COVER. 						FACTOR IP OF 1.5. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE I OF COMPLIANCE. CERTIFICATES OF COMPLIANCE SHALL STATE THAT THAT THE WORK WAS DONE IN COMPLIANCE WITH APPROVED CONTR/	THE MATERIALS AND PRODUCTS MEI		
 LENGTHS INCLUDE 1.25 MULTIPLIER REQUIRED PER ACI 318-14 18.10.2.3(b) TO ACCOMMODATE YIELDING AS A RESULT OF LATERAL DISPLACEMENTS DUE TO SEISMIC FORCES. 	TABLE D					4. <u>ARCHITECTURAL COMPONENTS</u> : PERIODIC SPECIAL INSPECTION SHAI CLADDING, INTERIOR AND EXTERIOR NON-BEARING WALLS AND INTER SECTION 1705.12.5. CERTIFICATION THROUGH ANALYSIS, TESTING OR	IOR AND EXTERIOR VENEER WITH EX EXPERIENCE DATA AS DESCRIBED IN	CEPTIONS AS NOTED IN IE NASCE 7-10 SECTION 13.2.	BC .1 SHALL
						BE PROVIDED FOR ARCHITECTURAL COMPONENTS, SUPPORTS AND A ANCHORAGE OF ACCESS FLOORS. CERTIFICATES OF COMPLIANCE SH SPECIFIED STANDARDS OR THAT THE WORK WAS DONE IN COMPLIANC	IALL STATE THAT THE MATERIALS AN	ID PRODUCTS MEET THE	OR THE
LEGEND						 <u>PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS</u>: PERIODIC S a. ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR S b. INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED 	STANDBY POWER SYSTEMS.		
Ld:DEVELOPMENT LENGTH - TELd-top:DEVELOPMENT LENGTH - TELst:LAP SPLICE LENGTH - TENSION	NSION (TOP)					MECHANICAL UNITS. c. INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO C d. INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTI	ARRY HAZARDOUS MATERIALS.		VEEN
Left in the second seco	ON (TOP) MENT LENGTH - TENSION					EQUIPMENT SUPPORT FRAME AND RESTRAINT. CERTIFICATION THROUGH ANALYSIS, TESTING OR EXPERIENCE DATA FOR PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS, SUPPO	AS DESCRIBED IN ASCE 7-10 SECTIO	N 13.2.1 SHALL BE PROVID	ED
TOP IS DEFINED AS HORIZONTAL BARS WI FRESH CONCRETE CAST BELOW THE BARS						STATE THAT THE MATERIALS AND PRODUCTS MEET THE SPECIFIED ST APPROVED CONTRACT DOCUMENTS.	TANDARDS OR THAT THE WORK WAS	DONE IN COMPLIANCE WI	
(For Grade 60, Uncoated Bars, Norr	mal Weight Concrete)					 STORAGE RACKS EIGHT FEET OR GREATER IN HEIGHT REQUIRE PERIC SPECIAL INSPECTION AND TESTING REPORTS, IN ACCORDANCE WITH I ENGINEER, CONTRACTOR, BUILDING OFFICIAL, AND OWNER. 			_
						8. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEI COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SH	ALL SUBMIT A WRITTEN STATEMENT	OF RESPONSIBILITY TO TH	em, or He
						BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT STATEMENT SHALL CONTAIN ACKNOWLEDGMENT OF AWARENESS OF SPECIAL INSPECTIONS.			0.4.2
3 CONCRETE REINFORCING SPLICE AND DEVELOPM	IENT SCHEDULE								(;

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PROJECT:

^C EHA BAKER HEIGHTS



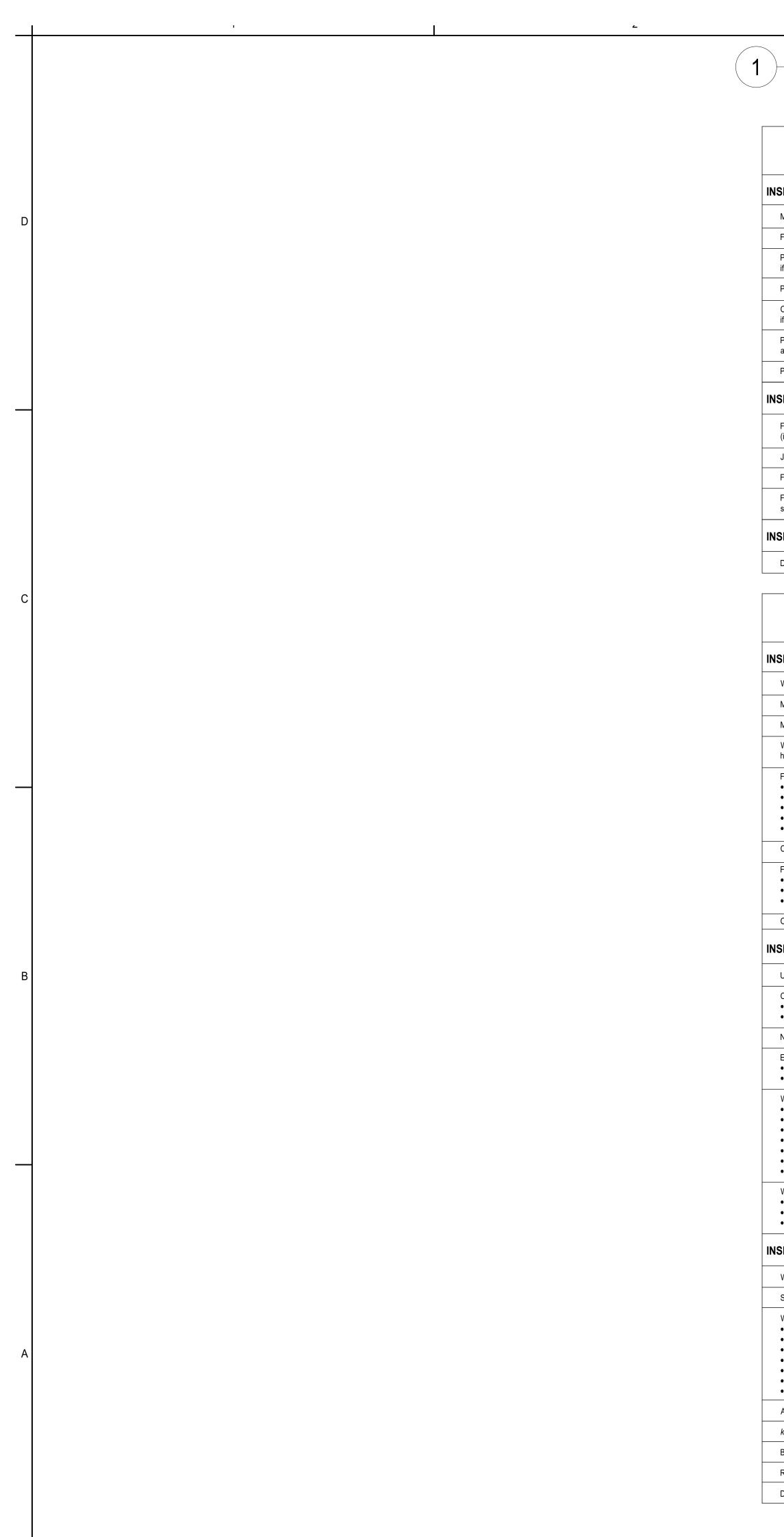
PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET ____ EVERETT, WA 98201

OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVE EVERETT, WASHINGTON 98201

_____ _____

REV	K DATE	DESCRIPTION
C (06/22/2020	BUILDING PERMIT SUBMITTA HUD SUBMITTAL
B	04/10/2020	DESIGN DEVELOPMENT
A	12/15/2019	SCHEMATIC DESIGN
MAR	K DATE	DESCRIPTION
ISS	UE INFOR	MATION
	ECT NO.:	20170
PROJE	EIPAL IN CHA ECT MANAGE R APPROVA	ER: Michael Nouv
		RCING SPLICES



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VERIFICATIONS AND SPECIAL INSPECTIONS

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SEE IBC CHAPTER 17: "STRUCTURAL TESTS AND SPECIAL INSPECTIONS" FOR MORE DETAILED REQUIREMENTS.

STRUCTURAL STEEL BOLTING INSPECTIONS		UENCY	2009 RCSC	
STRUCTURAL STEEL BOLTING INSPECTIONS	0	Р	REFERENCE	
PECTION TASKS PRIOR TO BOLTING AISC 360-10, Chapter N				
Manufacturer's certifications available for fastener materials		X	2.1, 9.1	
asteners marked in accordance with ASTM requirements	X		Figure C-2.1, 9.1	
Proper fasteners selected for the joint detail (grade, type, bolt length f threads are to be excluded from shear plane)	X		2.3.2, 2.7.2, 9.1	
Proper bolting procedure selected for joint detail	X		4, 8	
Connecting elements, including the appropriate faying surface condition and hole preparation, f specified, meet applicable requirements	X		3, 9.1, 9.3	
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	X		7, 9.2	
Proper storage provided for bolts, nuts, washers and other fastener components	X		2.2, 8, 9.1	
PECTION TASKS DURING BOLTING AISC 360-10, Chapter N				
Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	X		8.1, 9.1	
Joint brought to the snug-tight condition prior to the pretensioning operation	X		8.1, 9.1	
astener component not turned by the wrench prevented from rotating	X		8.2, 9.2	
Fasteners are pretensioned in accordance with the RCSC <i>Specification</i> , progressing systematically from the most rigid point toward the free edges	X		8.2, 9.2	
PECTION TASKS AFTER BOLTING			AISC 360-10, Chapter N	
Document acceptance or rejection of bolted connections		X		

	FREQ	JENCY	2010 AWS D1.1	
STRUCTURAL STEEL WELDING INSPECTIONS	0	Р	STANDARD	
AISC 360-10, Chapter N				
Welding procedure specifications (WPSs) available		X	6.3	
Manufacturer certifications for welding consumables available		X	6.2	
Material identification (type/grade)	X		6.2	
Welder identification system: Fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type	X		6.4 welder qualification	
 Fit-up of groove welds (including joint geometry) Joint preparation Dimensions (alignment, root opening, root face, bevel) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location) Backing type and fit (if applicable) 	x		6.5.2 5.22 5.15 5.18 5.10, 5.22.1.1	
Configuration and finish of access holes	X		6.5.2, 5.17	
 Fit-up of fillet welds Dimensions (alignment, gaps at root) Cleanliness (condition of steel surfaces) Tacking (tack weld quality and location) 	X		5.22.1 5.15 5.18	
Check welding equipment	X		6.2, 5.11	
SPECTION TASKS DURING WELDING AISC 360-10, Chapter N				
Use of qualified welders	Х		6.4	
Control and handling of welding consumables Packaging Exposure control 	Х		6.2 5.3.1 5.3.2 (SMAW), 5.3.3 (SAV	
No welding over cracked tack welds	X		5.18	
 Environmental conditions Wind speed within limits Precipitation and temperature 	X		5.12.1 5.12.2	
WPS followed Settings on welding equipment Travel speed Selected welding materials Shielding gas type/flow rate Preheat applied Interpass temperature maintained (min/max) Proper position (F, V, H, OH) 	X		6.3.3, 6.5.2, 5.5, 5.21	
Welding techniques Interpass and final cleaning Each pass within profile limitations Each pass meets quality requirements	X		6.5.2, 6.5.3, 5.24 5.30.1	
SPECTION TASKS AFTER WELDING AISC 360-10, Chapter N				
Welds cleaned	X		5.30.1	
Size, length and location of welds		X	6.5.1	
Welds meet visual acceptance criteria • Crack prohibition • Weld/base-metal fusion • Crater cross section • Weld profiles • Weld size • Undercut • Porosity		X	6.5.3 Table 6.1(1) Table 6.1(2) Table 6.1(3) Table 6.1(4), 5.24 Table 6.1(6) Table 6.1(7) Table 6.1(8)	
Arc strikes		X	5.29	
k-area: visually inspect web k-area for cracks within 3 inches of welds of doubler plates, continuity plates or stiffeners		X		
Backing removed and weld tabs removed (if required)		X	5.10, 5.31	
Repair activities		X	6.5.3, 5.26	
Document acceptance or rejection of welded joint or member		X	6.5.4, 6.5.5	

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VERIFICATION AND INSP

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STEEL CONSTRUCTION

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S1. MATERIAL VERIFICATION OF STRUCTURAL

A. FOR SHOP-STANDARD MATERIAL, I DESIGNATION. FOR MATERIAL OF (IDENTIFY SHAPE DESIGNATION ANI

B. MILL PRODUCT MATERIAL TEST R

S2. INSPECTION OF FABRICATORS

FREQUENCY DESCRIPTION FOR STRUCTURAL STEEL WELD AND BOLTING INSPECTIONS: O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER and EACH BOLTED CONNECTION.

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	1				
	FREQUE	INCY	REFERENCED	IBC	
SPECTION	CONTINUOUS	PERIODIC	STANDARD	REFERENCE	
STEEL:					D
, IDENTIFY SHAPE F OTHER GRADES, ND MATERIAL GRADE.			AISC 303 section 6.1.1		
REPORTS			AISC 303 sect 6.1.1 and 8.2		
				1704.2.5, 1705.2	

J



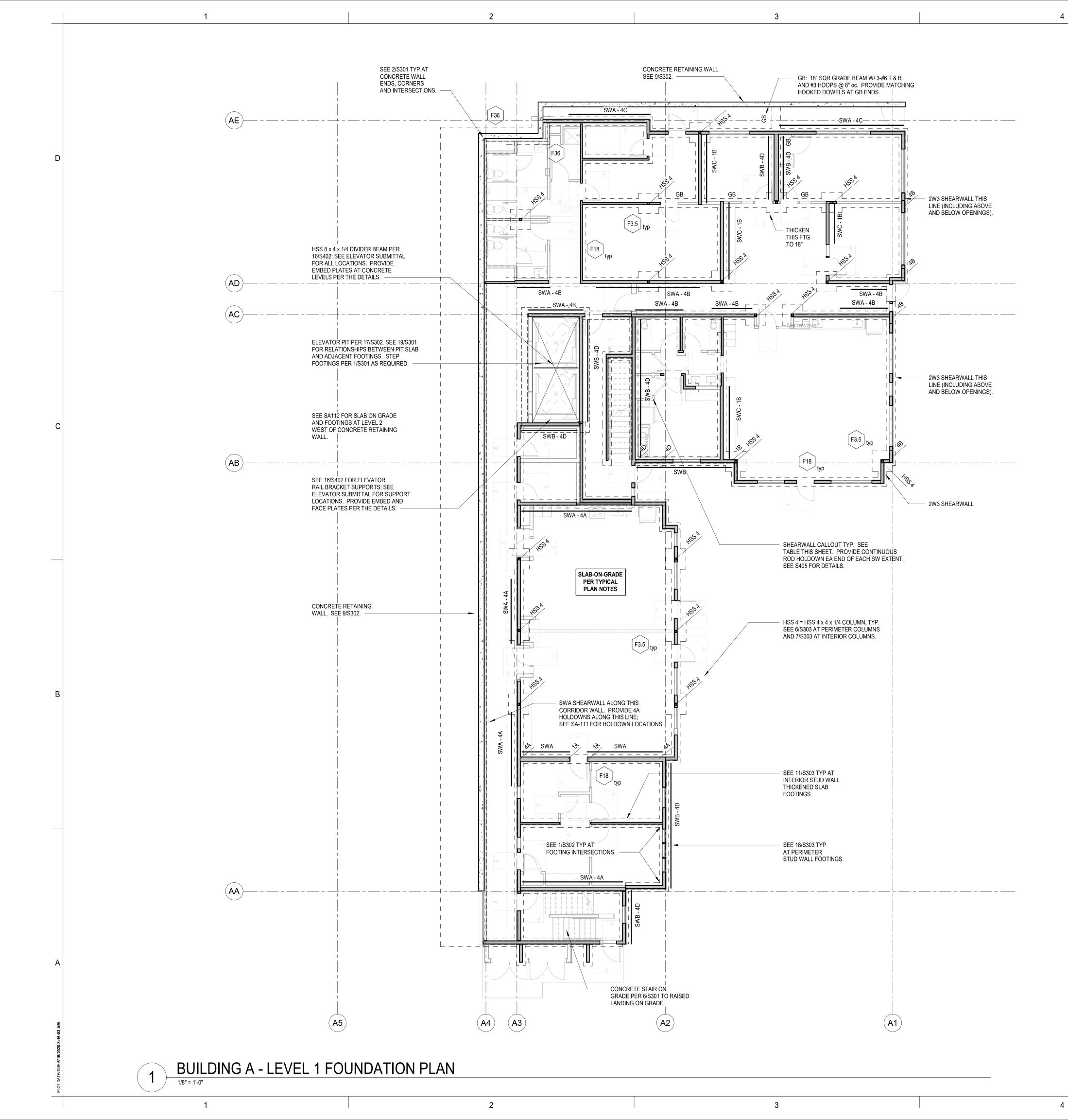
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SUBMITTAL / HUD SUBMITTAL		C 06/22/2020 BUILDING PERMIT SUBMITTAL HUD SUBMITTAL B 04/10/2020 DESIGN DEVELOPMENT A 12/15/2019 SCHEMATIC DESIGN MARK DATE DESCRIPTION ISSUE INFORMATION
AL		HUD SUBMITTAL
	В	MARK DATE DESCRIPTION REVISIONS
		OWNER: EVERETT HOUSING AUTHORITY 3107 COLBY AVE EVERETT, WASHINGTON 98201
		PROJECT ADDRESS: BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET EVERETT, WA 98201
		HOUSING AUTHORITY
	С	PROJECT: EHA BAKER HEIGHTS
		MICHAEL NOUWENS Structural Consultants 130 Second Avenue North #921 Edmonds, WA 98020 michael@nouwens-structural.com www.nouwens-structural.com P 206.546.8446
		Contraction of WASH Contraction of WASH Contracti
		EL L. NO
		A D B FUTURE PHASE

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WOOD STUD WALL SCHEDULE - LEVEL 1

LOCATION	STUDS
EXTERIOR WALL - PERP to FLOOR JOISTS	2-2x6 @ 16"
EXTERIOR WALL - PARALLEL to FLOOR JOISTS	2x6 @ 16"
UNIT INTERIOR WALL - PERP to FLOOR JOISTS	2-2x4 @ 12", 2-2x6 @ 16"
UNIT INTERIOR WALL - PARALLEL to FLOOR JOISTS	2x4 @ 16", 2x6 @ 16"
CORRIDOR WALL	2-2x6 @ 16"
STAIR, ELEVATOR WALLS	2-2x6 @ 16"
DEMISING WALL (between dwelling units)	EA SIDE: 2-2x4 @ 12", 2x6 @ 12"

1. STUD SCHEDULE APPLIES TO STRUCTURAL STUD WALLS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE ARCH'L FOR ACTUAL WALL THICKNESSES AND COMPLETE WALL ASSEMBLIES. 2. SEE SHEARWALL SCHEDULE FOR ADDITIONAL 3x STUD REQUIREMENTS.

FOOTING SCHEDULE

MARK	FOOTING SIZE	REINFORCING		
F3.5	3'-6" SQR x 1'-3" DP	4-#5 EW BOT		
F18	1'-6" WIDE x 1'-0" DP	2-#5 BOT LONG		
F36	3'-0" WIDE x 1'-6" DP	4-#5 BOT LONG		

BASED ON 6,000 PSF ALLOWABLE BEARING PRESSURE

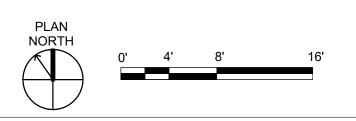
FOUNDATION PLAN NOTES

- 1. SLAB ON GRADE SHALL BE 4" THICK WITH 6x6 W1.4 x W1.4 WELDED WIRE REINFORCING AT CENTER, UON. PROVIDE VAPOR RETARDER (THICKNESS PER ARCH'L) BELOW SLAB AT INTERIOR SPACES. PREPARE SUBGRADE AND PROVIDE FREE-DRAINING GRANULAR FILL IN ACCORDANCE WITH GEOTECHNICAL REPORT. SEE ARCH'L FOR SLAB SLOPES AND STEPS AND FOR TOP OF SLAB ELEVATIONS. FIBERMESH, ADDED PER MFR'S RECOMMENDATIONS, CAN BE SUBSTITUTED FOR WELDED WIRE REINFORCING. WHERE VAPOR SENSITIVE ADHESIVES OR COVERINGS ARE TO BE PLACED ON SLAB ON GRADE, SEE S000 (CONCRETE - FINISH MATERIALS) FOR ADDITIONAL REQUIREMENTS AT VAPOR RETARDER AND GRANULAR FILL.
- 2. PROVIDE CONTROL OR CONSTRUCTION JOINTS PER 7/S301 IN SLABS ON GRADE TO DIVIDE SLAB INTO RECTANGULAR AREAS 225 SQUARE FEET OR LESS. AREAS SHALL BE APPROXIMATELY SQUARE AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS MUST BE APPROVED BY THE ARCHITECT.
- 3. FOOTING ELEVATIONS SHOWN IN DETAILS ARE FOR CONTRACTOR CONVENIENCE AND BIDDING ONLY; ACTUAL ELEVATIONS MAY VARY IN THE FIELD. FINAL ELEVATIONS SHALL BE DETERMINED BY ON-SITE VERIFICATION BY GEOTECHNICAL ENGINEER. SEE 19/S301 FOR FOOTING DEPTH REQUIREMENTS AND RELATIONSHIPS. REQUIREMENTS FOR STEPPED FOOTINGS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. SEE 1/S301 FOR DIMENSIONS AT FOOTING STEPS.
- 4. REFER TO MEPF AND CIVIL DRAWINGS FOR UNDERSLAB AND UNDERGROUND PIPING. FOOTINGS MAY BE LOWERED TO AVOID CONFLICTS. SEE 17/S301 FOR FOOTING RELATIONSHIPS WITH PIPES AND TRENCHES.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS.
- 7. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 8. SPLICE TOP PLATES PER 1/S401 TYP.
- 9. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.
- 10. SEE S000 FOR TYPICAL LEGEND.
- 11. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

MARK	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
SWA	W3	W3	W4	W6B
SWB	W2	W2	W3	W4
SWC	2W2	-	-	-

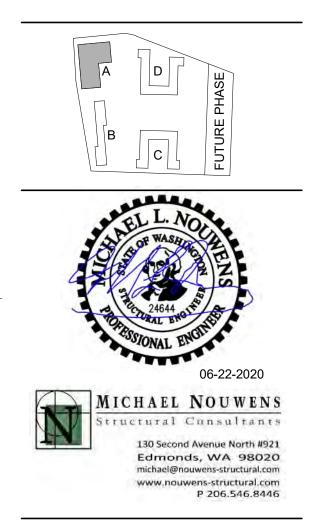
SWx INDICATES SHEARWALL MARK PER THIS TABLE. LINE INDICATES SHEARWALL EXTENT; SEE ARCH'L FOR SIDE OF STUDS ON WHICH SWx - 4x SHEARWALL SHEATHING IS PLACED.

NUMERICAL CALLOUT (4A, 4B, etc.) INDICATES CONT. ROD HOLDOWN RUN EACH END OF SHEARWALL. SEE 18/S405 FOR CONT. ROD HOLDOWN TABLE. SEE 6/S401 AT OPENINGS THAT OCCUR WITHIN SHEARWALL EXTENT.



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PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK DATE DESCRIPTION REVISIONS

06/22/2020 BUILDING PERMIT SUBMITTAL / С HUD SUBMITTAL 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION** 0047000

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Michael Nouwens

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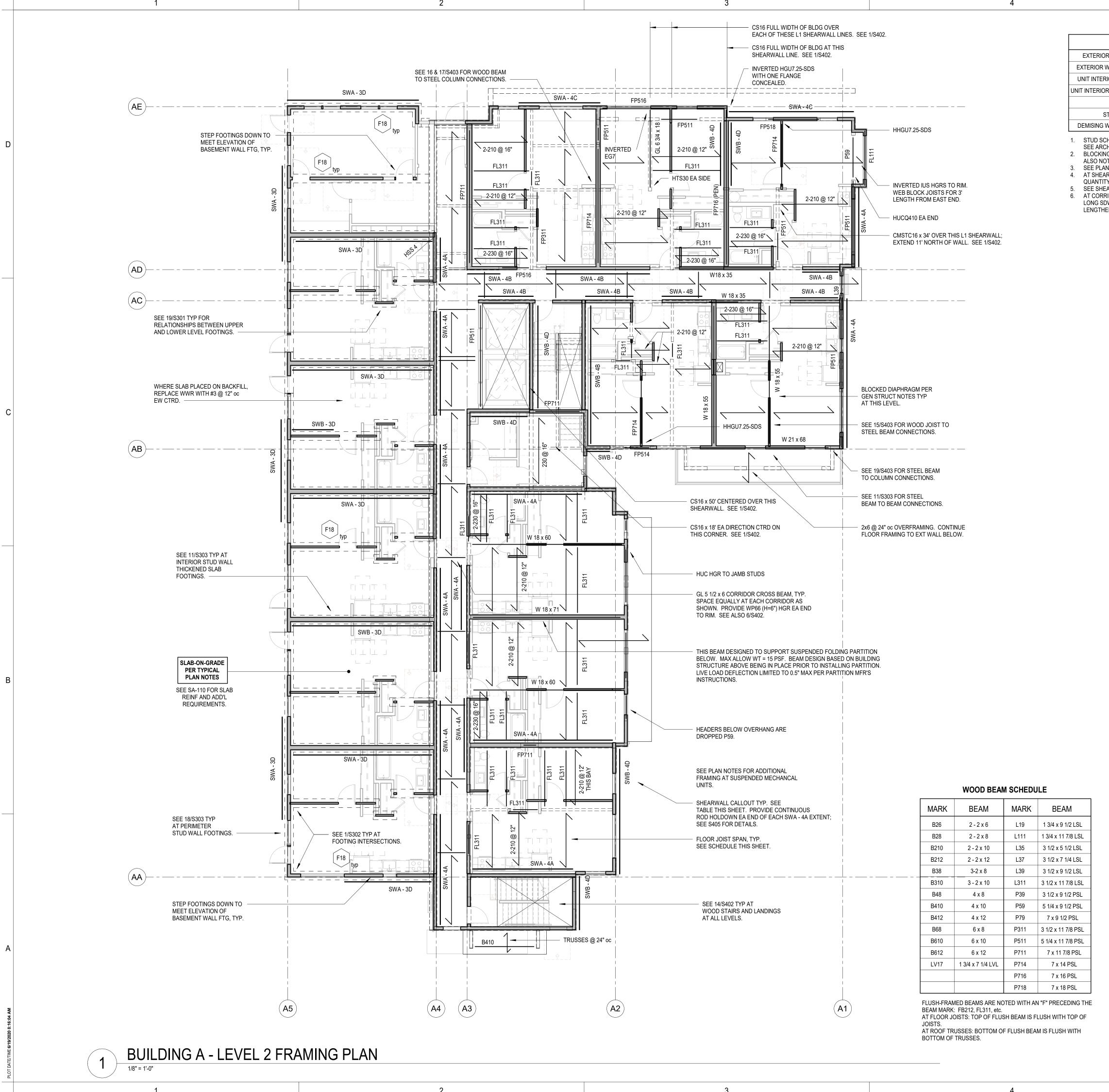
BUILDING A - LEVEL 1 FOUNDATION PLAN

SHEET NO.

SA-110

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SHEARWALL TABLE (ref 18/S401)



WOOD STUD WALL SCHEDULE - LEVEL 2

LOCATION	STUDS	BLOCKING/RIM AT LEVEL 2
DR WALL - PERP to FLOOR JOISTS	2x6 @ 12"	(1) 1 3/4" LSL
WALL - PARALLEL to FLOOR JOISTS	2x6 @ 16"	(1) 1 3/4" LSL
RIOR WALL - PERP to FLOOR JOISTS	2-2x4 @ 16", 2x6 @ 12"	(2) TJI 110 or (1) 1 3/4" LSL
OR WALL - PARALLEL to FLOOR JOISTS	2x4 @ 16", 2x6 @ 16"	SEE SW SCHEDULE
CORRIDOR WALL	2x6 @ 12"	(1) 1 3/4" LSL (SEE NOTE 7)
STAIR, ELEVATOR WALLS	2x6 @ 12"	5 1/4" PSL
WALL (between dwelling units)	EA SIDE: 2-2x4 @ 16", 2x6 @ 16"	(1) 1 3/4" LSL EA SIDE

1. STUD SCHEDULE APPLIES TO STRUCTURAL STUD WALLS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE ARCH'L FOR ACTUAL WALL THICKNESSES AND COMPLETE WALL ASSEMBLIES.

2. BLOCKING/RIM SCHEDULE APPLIES TO BLOCKING/RIMS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE ALSO NOTE 4. SEE PLAN NOTES AND PLAN CALLOUTS FOR BEAM REQUIREMENTS OVER OPENINGS.

AT SHEARWALLS, COMPARE THIS BLOCKING/RIM SCHEDULE TO SHEARWALL SCHEDULE. USE MOST STRINGENT QUANTITY/SIZE OF BLOCKING/RIM REQUIREMENT.

SEE SHEARWALL SCHEDULE FOR ADDITIONAL 3x STUD REQUIREMENTS.

AT CORRIDOR CROSS BEAM HANGERS, LAP 3' LONG 1 3/4" LSL WITH TYP CORRIDOR RIM. PROVIDE (2) ROWS OF 3 3/8" LONG SDW SCREWS @ 10" oc H AND 6" oc V FROM 3' LONG LSL TO RIM. WHERE CROSS BEAM BEARS OVER OPENING BELOW, LENGTHEN LAPPED 1 3/4" LSL TO EXTEND 3" BEYOND EACH SIDE OF OPENING.

FLOOR JOIST SCHEDULE 27 psf DEAD LOAD 40 psf LIVE LOAD

CLEAR SPAN	JOIST
14' max	11 7/8" TJI 110 @ 19.2" oc
16' max	11 7/8" TJI 210 @ 19.2" oc
17' max	11 7/8" TJI 230 @ 16" oc
18' max	11 7/8" TJI 360 @ 16" oc
20' max	11 7/8" TJI 560 @ 16" oc
22' max	11 7/8" TJI 560 @ 12" oc

SCHEDULED JOISTS ARE APPLICABLE UNLESS SPECIFICALLY NOTED ON PLAN

TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL
I-JOIST PERPENDICULAR TO EXTERIOR WALL
I-JOIST PARALLEL TO INTERIOR WALL
I-JOIST PERPENDICULAR TO INTERIOR WALL
I-JOIST TO FLUSH WOOD BEAM
I-JOIST TO DOUBLE STUD WALL

4/S402
5/S402
9/S402
10/S402
8/S402
4/S402 5/S402 9/S402 10/S402 8/S402 3/S402

FLOOR FRAMING PLAN NOTES

- 1. TYPICAL FLOOR CONSTRUCTION SHALL CONSIST OF 1 1/4" MAX GYPCRETE TOPPING (1" THICKNESS WHERE ACOUSTIC MAT SPECIFIED ON ARCH'L) OVER APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) GLUED AND NAILED TO SUPPORTING FRAMING, UON. SEE ARCH'L FOR GYPCRETE AND ACOUSTIC MAT SPECIFICATIONS.
- 2. FLOOR JOIST SPAN EXTENTS ARE INDICATED ON PLAN. SEE JOIST SCHEDULE AND CALLOUTS ON PLAN FOR JOIST DESIGNATIONS AND SPACINGS.
- 3. NAIL FLOOR SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PARALLEL TO JOISTS SHALL BE FL311, UON (EXCEPTION: AT SHEARWALLS, PROVIDE WIDER MEMBERS WHERE INDICATED ON SHEARWALL SCHEDULE). HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PERPENDICULAR TO JOISTS SHALL BE FL311 UON (THIS SUPERSEDES SW SCHEDULE RIM/BLOCKING REQUIREMENT EXCEPT AT SW TYPE 2W3 AND 2W2). ALL INTERIOR DROPPED HEADERS SHALL BE L35 AND INTERIOR FLUSH BEAMS SHALL BE FL111, UON. WHERE JOISTS ARE PERPENDICULAR TO FLUSH BEAMS/HEADERS, PROVIDE HANGERS PER GENERAL STRUCTURAL NOTES.
- 7. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE SLAB OR FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 8. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF SUSPENDED MECHANICAL UNITS. VERIFY LOCATIONS AND WEIGHTS OF MECHANICAL UNITS WITH MECHANICAL DRAWINGS. PROVIDE FL311 ALONG SIDES OF MECH UNITS PARALLEL TO ADJACENT FLOOR JOISTS; FL311 EXTENTS SHALL MATCH ADJACENT JOIST EXTENTS. PROVIDE FL111 ALONG SIDES OF MECH UNITS PERP TO ADJACENT FLOOR JOISTS AND AROUND SIDES OF FLOOR OPENINGS
- 9. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 10. SPLICE TOP PLATES PER 1/S401, TYP.
- 11. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.
- 12. SEE S000 FOR TYPICAL LEGEND.

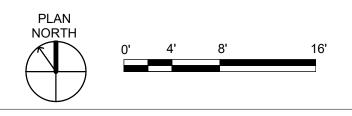
SWx - 4x

13. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

SHEARWALL TABLE (ref 18/S401)

MARK	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
SWA	W3	W3	W4	W6B
SWB	W2	W2	W3	W4
SWC	2W2	-	-	-

SWx INDICATES SHEARWALL MARK PER THIS TABLE. LINE INDICATES SHEARWALL EXTENT; SEE ARCH'L FOR SIDE OF STUDS ON WHICH SHEARWALL SHEATHING IS PLACED. NUMERICAL CALLOUT (4A, 4B, etc.) INDICATES CONT. ROD HOLDOWN RUN EACH END OF SHEARWALL. SEE 18/S405 FOR CONT. ROD HOLDOWN TABLE. SEE 6/S401 AT OPENINGS THAT OCCUR WITHIN SHEARWALL EXTENT.



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http://www.gglo.com C ALLA. 06-22-2020 MICHAEL NOUWENS ructural Consultants 130 Second Avenue North #921 Edmonds, WA 98020 michael@nouwens-structural.com www.nouwens-structural.com P 206.546.8446 PROJECT: **EHA BAKER HEIGHTS**

PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

HOUSING AUTHORITY

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

REVISIONS

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PROJECT NO.:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

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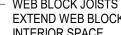
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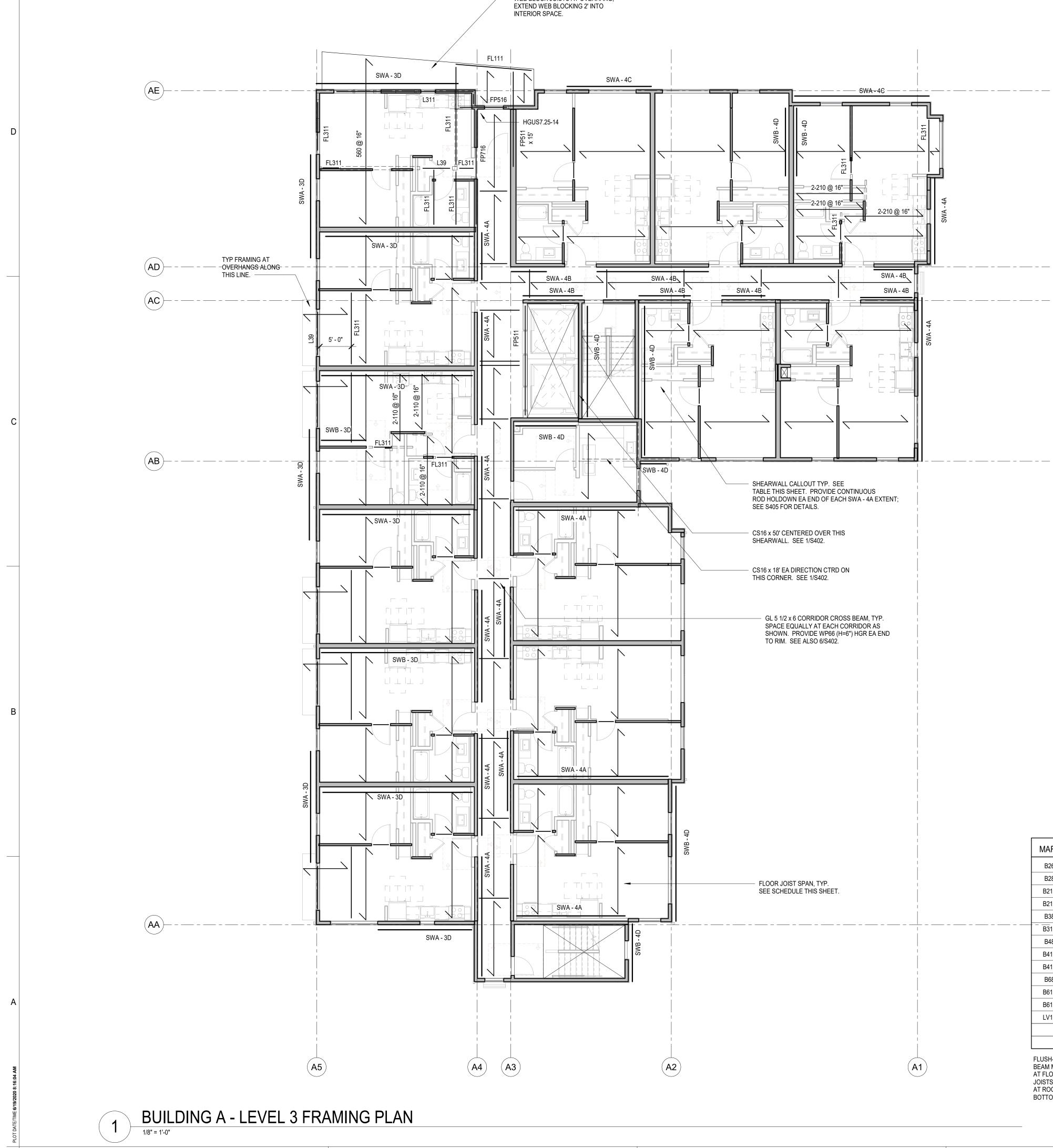
BUILDING A - LEVEL 2 FRAMING PLAN

SHEET NO.

SA-111

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ALSO NOTE 4.

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
B212	2 - 2 x 12	L37	3 1/2 x 7 1/4 LSL
B38	3-2 x 8	L39	3 1/2 x 9 1/2 LSL
B310	3 - 2 x 10	L311	3 1/2 x 11 7/8 LSL
B48	4 x 8	P39	3 1/2 x 9 1/2 PSL
B410	4 x 10	P59	5 1/4 x 9 1/2 PSL
B412	4 x 12	P79	7 x 9 1/2 PSL
B68	6 x 8	P311	3 1/2 x 11 7/8 PSL
B610	6 x 10	P511	5 1/4 x 11 7/8 PSL
B612	6 x 12	P711	7 x 11 7/8 PSL
LV17	1 3/4 x 7 1/4 LVL	P714	7 x 14 PSL
		P716	7 x 16 PSL
		P718	7 x 18 PSL

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc. AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF JOISTS.

AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

WOOD STUD WALL SCHEDULE - LEVEL 3

LOCATION	STUDS	BLOCKING/RIM AT LEVEL 3
EXTERIOR WALL - PERP to FLOOR JOISTS	2x6 @ 16"	(1) 1 3/4" LSL
EXTERIOR WALL - PARALLEL to FLOOR JOISTS	2x6 @ 16"	(1) 1 3/4" LSL
UNIT INTERIOR WALL - PERP to FLOOR JOISTS	2x4 @ 12", 2x6 @ 16"	(1) TJI 110 or (1) 1 3/4" LSL
UNIT INTERIOR WALL - PARALLEL to FLOOR JOISTS	2x4 @ 16", 2x6 @ 16"	SEE SW SCHEDULE
CORRIDOR WALL	2x6 @ 16"	(1) 1 3/4" LSL (SEE NOTE 6)
STAIR, ELEVATOR WALLS	2x6 @ 16"	5 1/4" PSL
DEMISING WALL (between dwelling units)	EA SIDE: 2x4 @ 16", 2x6 @ 16"	(1) 1 3/4" LSL EA SIDE

1. STUD SCHEDULE APPLIES TO STRUCTURAL STUD WALLS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE ARCH'L FOR ACTUAL WALL THICKNESSES AND COMPLETE WALL ASSEMBLIES.

2. BLOCKING/RIM SCHEDULE APPLIES TO BLOCKING/RIMS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE 3. SEE PLAN NOTES AND PLAN CALLOUTS FOR BEAM REQUIREMENTS OVER OPENINGS.

4. AT SHEARWALLS, COMPARE THIS BLOCKING/RIM SCHEDULE TO SHEARWALL SCHEDULE. USE MOST STRINGENT QUANTITY/SIZE OF BLOCKING/RIM REQUIREMENT. 5. SEE SHEARWALL SCHEDULE FOR ADDITIONAL 3x STUD REQUIREMENTS.

6. AT CORRIDOR CROSS BEAM HANGERS, LAP 3' LONG 1 3/4" LSL WITH TYP CORRIDOR RIM. PROVIDE (2) ROWS OF 3 3/8" LONG SDW SCREWS @ 10" oc H AND 6" oc V FROM 3' LONG LSL TO RIM. WHERE CROSS BEAM BEARS OVER OPENING BELOW, LENGTHEN LAPPED 1 3/4" LSL TO EXTEND 3" BEYOND EACH SIDE OF OPENING.

FLOOR JOIST SCHEDULE 27 psf DEAD LOAD 40 psf LIVE LOAD

CLEAR SPAN	JOIST	
14' max	11 7/8" TJI 110 @ 19.2" oc	
16' max	11 7/8" TJI 210 @ 19.2" oc	
17' max	11 7/8" TJI 230 @ 16" oc	
18' max	11 7/8" TJI 360 @ 16" oc	
20' max	11 7/8" TJI 560 @ 16" oc	
22' max	11 7/8" TJI 560 @ 12" oc	
SCHEDULED JOISTS ARE APPLICABLE UNLESS		

SCHEDULED JOISTS ARE APPLICABLE UNLESS SPECIFICALLY NOTED ON PLAN

TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL	
I-JOIST PERPENDICULAR TO EXTERIOR WALL	
I-JOIST PARALLEL TO INTERIOR WALL	
I-JOIST PERPENDICULAR TO INTERIOR WALL	

4/S402	
5/S402	
9/S402	
10/S402	
8/S402	
3/S402	

FLOOR FRAMING PLAN NOTES

I-JOIST TO FLUSH WOOD BEAM

I-JOIST TO DOUBLE STUD WALL

- 1. TYPICAL FLOOR CONSTRUCTION SHALL CONSIST OF 1 1/4" MAX GYPCRETE TOPPING (1" THICKNESS WHERE ACOUSTIC MAT SPECIFIED ON ARCH'L) OVER APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) GLUED AND NAILED TO SUPPORTING FRAMING, UON. SEE ARCH'L FOR GYPCRETE AND ACOUSTIC MAT SPECIFICATIONS.
- 2. FLOOR JOIST SPAN EXTENTS ARE INDICATED ON PLAN. SEE JOIST SCHEDULE AND CALLOUTS ON PLAN FOR JOIST DESIGNATIONS AND SPACINGS.
- NAIL FLOOR SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PARALLEL TO JOISTS SHALL BE FL311, UON (EXCEPTION: AT SHEARWALLS, PROVIDE WIDER MEMBERS WHERE INDICATED ON SHEARWALL SCHEDULE). HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PERPENDICULAR TO JOISTS SHALL BE FL311 UON (THIS SUPERSEDES SW SCHEDULE RIM/BLOCKING REQUIREMENT EXCEPT AT SW TYPE 2W3 AND 2W2). ALL INTERIOR DROPPED HEADERS SHALL BE L35 AND INTERIOR FLUSH BEAMS SHALL BE FL111, UON. WHERE JOISTS ARE PERPENDICULAR TO FLUSH BEAMS/HEADERS, PROVIDE HANGERS PER GENERAL STRUCTURAL NOTES.
- 7. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE SLAB OR FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 8. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 9. SPLICE TOP PLATES PER 1/S401, TYP.

10. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.

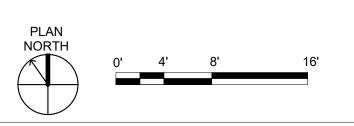
- 11. SEE S000 FOR TYPICAL LEGEND.
- 12. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

LEVEL LEVEL LEVEL LEVEL MARK 1 3 4 SWA W3 W3 W4 W6B SWB W2 W2 W3 W4 SWC 2W2 --

SHEARWALL TABLE (ref 18/S401)

SWx - 4x

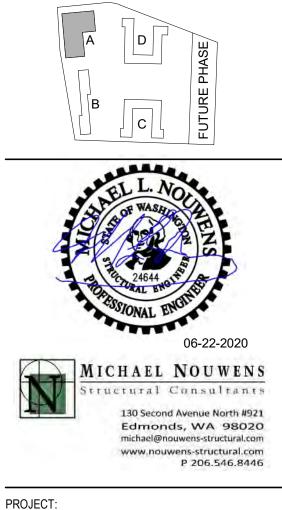
SWx INDICATES SHEARWALL MARK PER THIS TABLE. LINE INDICATES SHEARWALL EXTENT; SEE ARCH'L FOR SIDE OF STUDS ON WHICH SHEARWALL SHEATHING IS PLACED. NUMERICAL CALLOUT (4A, 4B, etc.) INDICATES CONT. ROD HOLDOWN RUN EACH END OF SHEARWALL. SEE 18/S405 FOR CONT. ROD HOLDOWN TABLE. SEE 6/S401 AT OPENINGS THAT OCCUR WITHIN SHEARWALL EXTENT.



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EHA BAKER HEIGHTS



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OWNER:

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PROJECT NO .:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

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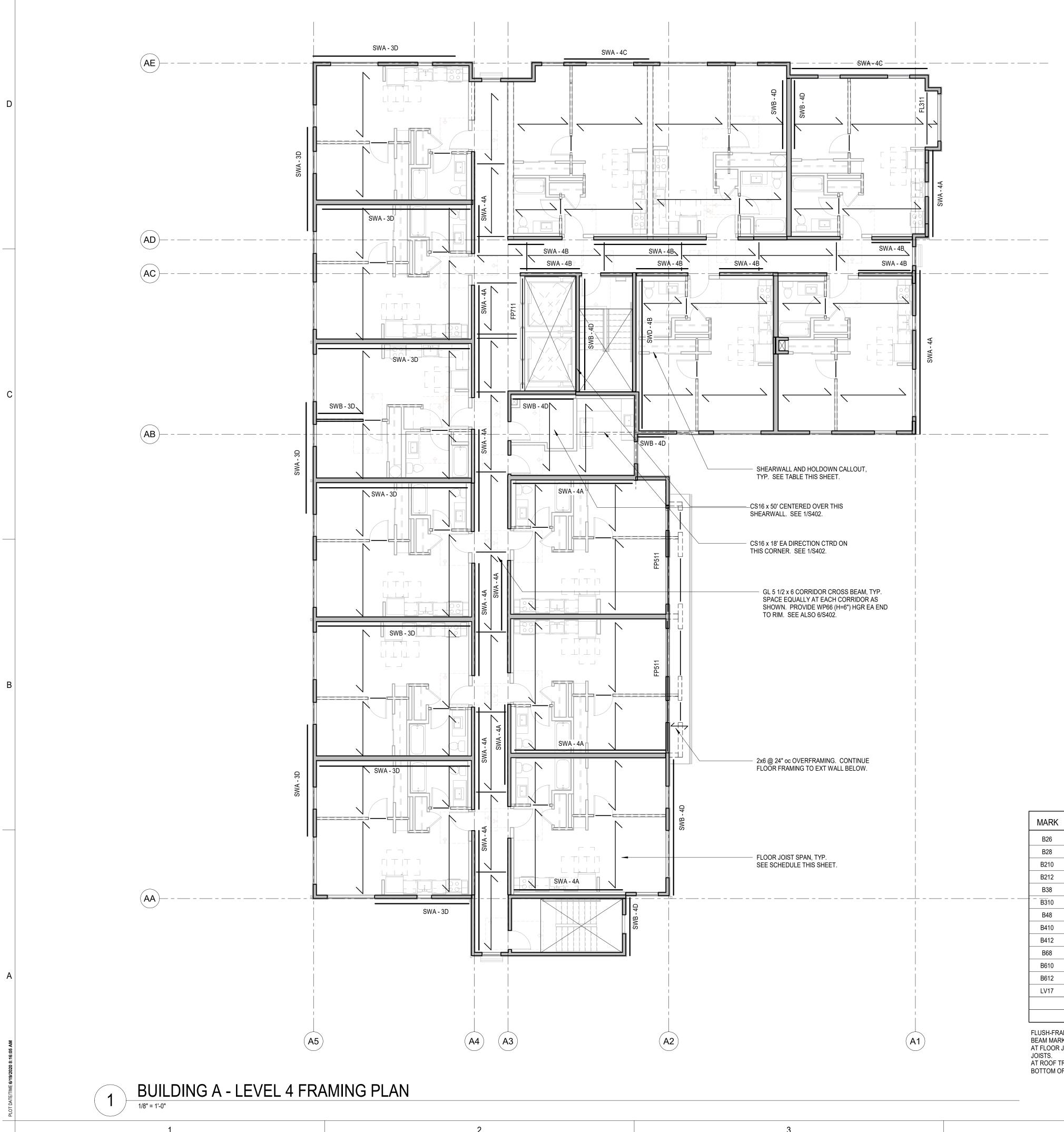
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BUILDING A - LEVEL 3 FRAMING PLAN

SHEET NO.

SA-112



EXTERIOR EXTERIOR V UNIT INTER UNIT INTERIOR

ST DEMISING W

- ALSO NOTE 4.

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc. AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF

WOOD BEAM SCHEDULE

MARK

L111

L37

L311

P59

P79

P711

P714

P716

P718

BEAM

1 3/4 x 11 7/8 LSL

7 x 9 1/2 PSL

7 x 14 PSL

7 x 16 PSL

7 x 18 PSL

L19 1 3/4 x 9 1/2 LSL

BEAM

2 - 2 x 6

2 - 2 x 8

2 - 2 x 10

2 - 2 x 12

3-2 x 8

3 - 2 x 10

4 x 8

4 x 10

4 x 12

6 x 8

6 x 10

6 x 12

1 3/4 x 7 1/4 LVL

AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

WOOD STUD WALL SCHEDULE - LEVEL 4

LOCATION	STUDS	BLOCKING/RIM AT LEVEL 4
OR WALL - PERP to ROOF JOISTS	2x6 @ 16"	(1) 1 3/4" LSL
WALL - PARALLEL to ROOF JOISTS	2x6 @ 16"	(1) 1 3/4" LSL
RIOR WALL - PERP to ROOF JOISTS	2x4 @ 16", 2x6 @ 16"	(1) TJI 110 or (1) 1 3/4" LSL
R WALL - PARALLEL to ROOF JOISTS	2x4 @ 16", 2x6 @ 16"	SEE SW SCHEDULE
CORRIDOR WALL	2x6 @ 16"	(1) 1 3/4" LSL (SEE NOTE 8)
STAIR, ELEVATOR WALLS	2x6 @ 16"	5 1/4" PSL
WALL (between dwelling units)	EA SIDE: 2x4 @ 16" oc, 2x6 @ 16"	(1) 1 3/4" LSL EA SIDE

1. STUD SCHEDULE APPLIES TO STRUCTURAL STUD WALLS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE ARCH'L FOR ACTUAL WALL THICKNESSES AND COMPLETE WALL ASSEMBLIES. BLOCKING/RIM SCHEDULE APPLIES TO BLOCKING/RIMS AT REFERENCED LEVEL UNLESS SPECIFICALLY NOTED ON PLAN. SEE

SEE PLAN NOTES AND PLAN CALLOUTS FOR BEAM REQUIREMENTS OVER OPENINGS. 4. AT SHEARWALLS, COMPARE THIS BLOCKING/RIM SCHEDULE TO SHEARWALL SCHEDULE. USE MOST STRINGENT QUANTITY/SIZE OF BLOCKING/RIM REQUIREMENT.

SEE SHEARWALL SCHEDULE FOR ADDITIONAL 3x STUD REQUIREMENTS.

AT CORRIDOR CROSS BEAM HANGERS, LAP 3' LONG 1 3/4" LSL WITH TYP CORRIDOR RIM. PROVIDE (2) ROWS OF 3 3/8" LONG SDW SCREWS @ 10" oc H AND 6" oc V FROM 3' LONG LSL TO RIM. WHERE CROSS BEAM BEARS OVER OPENING BELOW, LENGTHEN LAPPED 1 3/4" LSL TO EXTEND 3" BEYOND EACH SIDE OF OPENING.

CLEAR SPAN	JOIST
14' max	11 7/8" TJI 110 @ 19.2" oc
16' max	11 7/8" TJI 210 @ 19.2" oc
17' max	11 7/8" TJI 230 @ 16" oc
18' max	11 7/8" TJI 360 @ 16" oc
20' max	11 7/8" TJI 560 @ 16" oc
22' max	11 7/8" TJI 560 @ 12" oc

SCHEDULED JOISTS ARE APPLICABLE UNLESS SPECIFICALLY NOTED ON PLAN

TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL	
I-JOIST PERPENDICULAR TO EXTERIOR WA	LL
I-JOIST PARALLEL TO INTERIOR WALL	
I-JOIST PERPENDICULAR TO INTERIOR WAL	L

I-JOIST TO FLUSH WOOD BEAM I-JOIST TO DOUBLE STUD WALL

4/S402 5/S402 9/S402 10/S402 8/S402 3/S402
5/S402
9/S402
10/S402
8/S402
3/S402

FLOOR FRAMING PLAN NOTES

- 1. TYPICAL FLOOR CONSTRUCTION SHALL CONSIST OF 1 1/4" MAX GYPCRETE TOPPING (1" THICKNESS WHERE ACOUSTIC MAT SPECIFIED ON ARCH'L) OVER APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) GLUED AND NAILED TO SUPPORTING FRAMING, UON. SEE ARCH'L FOR GYPCRETE AND ACOUSTIC MAT SPECIFICATIONS.
- 2. FLOOR JOIST SPAN EXTENTS ARE INDICATED ON PLAN. SEE JOIST SCHEDULE AND CALLOUTS ON PLAN FOR JOIST DESIGNATIONS AND SPACINGS.
- NAIL FLOOR SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PARALLEL TO JOISTS SHALL BE FL311. UON (EXCEPTION: AT SHEARWALLS, PROVIDE WIDER MEMBERS WHERE INDICATED ON SHEARWALL SCHEDULE). HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PERPENDICULAR TO JOISTS SHALL BE FL311 UON (THIS SUPERSEDES SW SCHEDULE RIM/BLOCKING REQUIREMENT EXCEPT AT SW TYPE 2W3 AND 2W2). ALL INTERIOR DROPPED HEADERS SHALL BE L35 AND INTERIOR FLUSH BEAMS SHALL BE FL111, UON. WHERE JOISTS ARE PERPENDICULAR TO FLUSH BEAMS/HEADERS, PROVIDE HANGERS PER GENERAL STRUCTURAL NOTES.
- 7. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE SLAB OR FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 8. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 9. SPLICE TOP PLATES PER 1/S401, TYP.

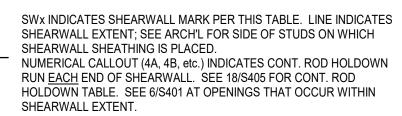
10. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.

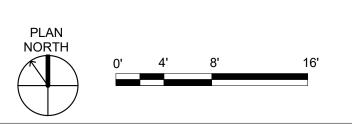
- 11. SEE S000 FOR TYPICAL LEGEND.
- 12. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

MARK	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
SWA	W3	W3	W4	W6B
SWB	W2	W2	W3	W4
SWC	2W2	-	-	-

SHEARWALL TABLE (ref 18/S401)

SWx - 4x





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Seattle, WA 98101



PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK DATE DESCRIPTION REVISIONS

06/22/2020 BUILDING PERMIT SUBMITTAL / С HUD SUBMITTAL 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION**

PROJECT NO .:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

SHEET TITLE

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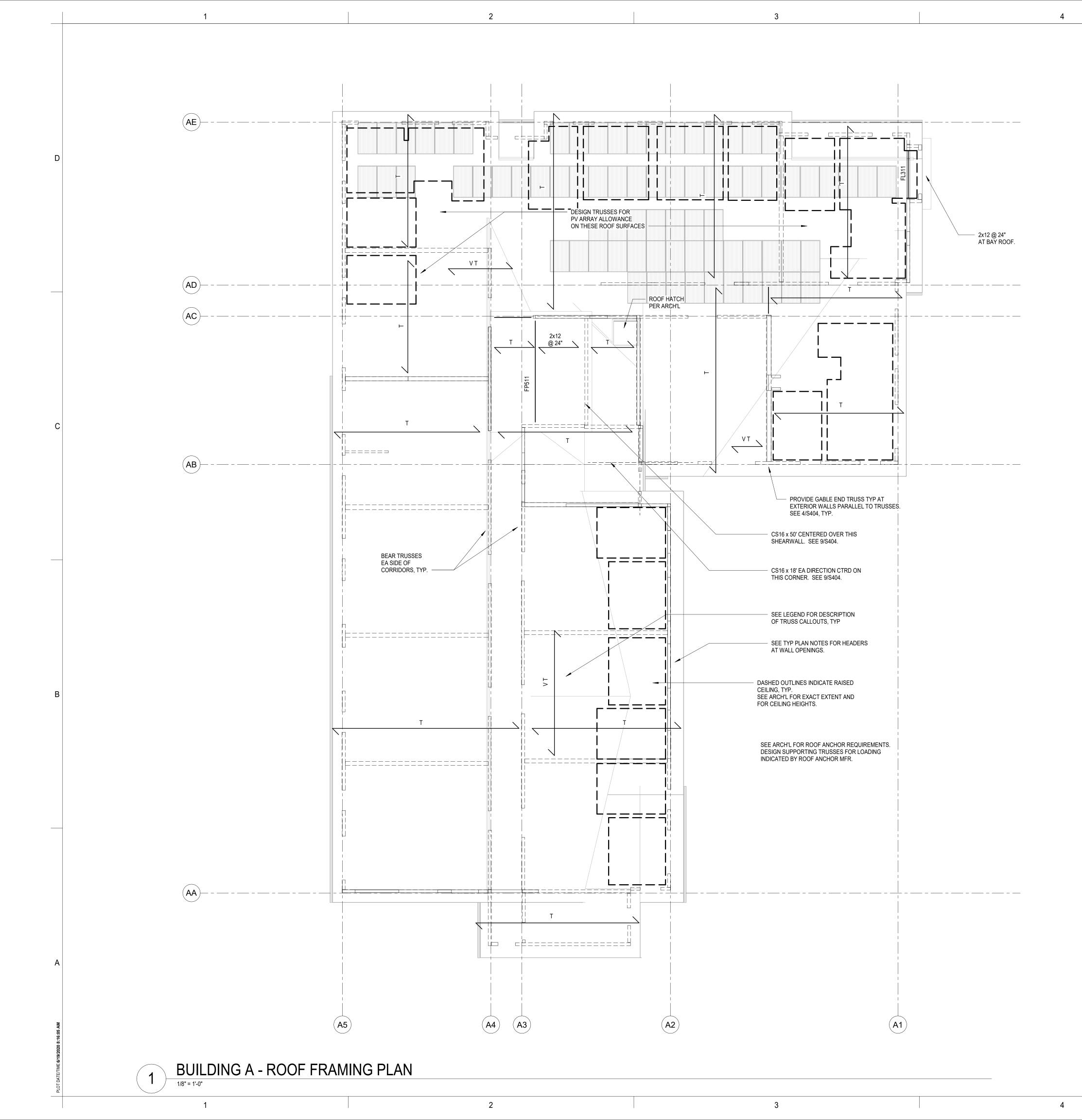
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BUILDING A - LEVEL 4 FRAMING PLAN

SHEET NO.

SA-113

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TYPICAL ROOF FRAMING DETAILS

ROOF TRUSS PARALLEL TO EXTERIOR WALL ROOF TRUSS PERPENDICULAR TO EXTERIOR WALL ROOF DRAG TRUSS AT PARALLEL SHEARWALL ROOF TRUSS PERPENDICULAR TO INTERIOR WALL ROOF TRUSS TO FLUSH WOOD BEAM ROOF TRUSS TO NON-STRUCTURAL WALL VALLEY TRUSS DETAILS

4/S404	
5/S404	
1/S404	
9/S404	
16/S404	
6/S404	
12, 13/S404	

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
B212	2 - 2 x 12	L37	3 1/2 x 7 1/4 LSL
B38	3-2 x 8	L39	3 1/2 x 9 1/2 LSL
B310	3 - 2 x 10	L311	3 1/2 x 11 7/8 LSL
B48	4 x 8	P39	3 1/2 x 9 1/2 PSL
B410	4 x 10	P59	5 1/4 x 9 1/2 PSL
B412	4 x 12	P79	7 x 9 1/2 PSL
B68	6 x 8	P311	3 1/2 x 11 7/8 PSL
B610	6 x 10	P511	5 1/4 x 11 7/8 PSL
B612	6 x 12	P711	7 x 11 7/8 PSL
LV17	1 3/4 x 7 1/4 LVL	P714	7 x 14 PSL
		P716	7 x 16 PSL
		P718	7 x 18 PSL

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc.

AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF JOISTS. AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

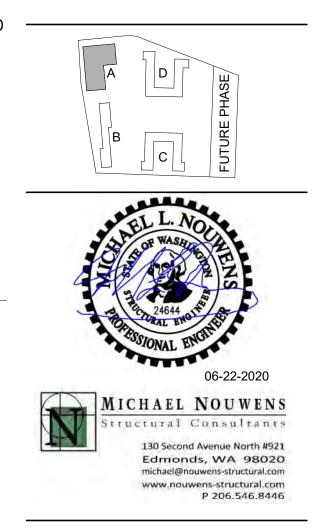
ROOF FRAMING PLAN NOTES

- 1. TYPICAL ROOF CONSTRUCTION SHALL CONSIST OF APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) OVER PRE-MANUFACTURED WOOD TRUSSES @ 24" oc MAX, UON.
- 2. NAIL ROOF SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 3. SEE ARCH'L FOR ROOF SHEATHING ELEVATIONS, EXACT SLOPES AND ROOF DRAINAGE REQUIREMENTS. ROOF SHEATHING PER PLAN NOTE 1 SHALL BE CONTINUOUS BELOW OVERFRAMED AREAS.
- 4. HEADERS OVER OPENINGS IN EXTERIOR WALLS SHALL BE: B28 AT OPENINGS 4' OR LESS, B38 AT OPENINGS 4'-1" TO 5'-6" AND L37 AT LARGER OPENINGS UON ON PLAN.
- 5. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. PROVIDE (3) BEARING STUDS BELOW BEARING LOCATIONS OF GIRDER TRUSSES AND HIP MASTERS, UON. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 6. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF ROOF OPENINGS AND MECHANICAL UNITS. VERIFY LOCATIONS AND WEIGHTS OF MECHANICAL UNITS WITH MECHANICAL DRAWINGS. ROOF TRUSS SUPPLIER SHALL PROVIDE TRUSSES ALONG SIDES OF OPENINGS AND MECH UNITS ADEQUATE TO SUPPORT TRIBUTARY ROOF LOADS IN ADDITION TO LOADING FROM MECHANICAL EQUIPMENT. PROVIDE FL111 ALONG SIDES OF MECH OPENINGS AND UNITS WHERE TRUSSES DO NOT OCCUR. TRUSSES SUPPORTING FL111 MEMBERS SHALL HAVE SOLID BLOCKING AS REQUIRED TO RECEIVE HANGER FASTENERS.
- 7. SPLICE TOP PLATES PER 1/S401, TYP.
- 8. SEE S000 FOR TYPICAL LEGEND.
- 9. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

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PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK DATE DESCRIPTION REVISIONS

C 06/22/2020 BUILDING PERMIT SUBMITTAL / HUD SUBMITTAL B 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION**

PROJECT NO .:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

SHEET TITLE

BUILDING A - ROOF FRAMING PLAN

SHEET NO.



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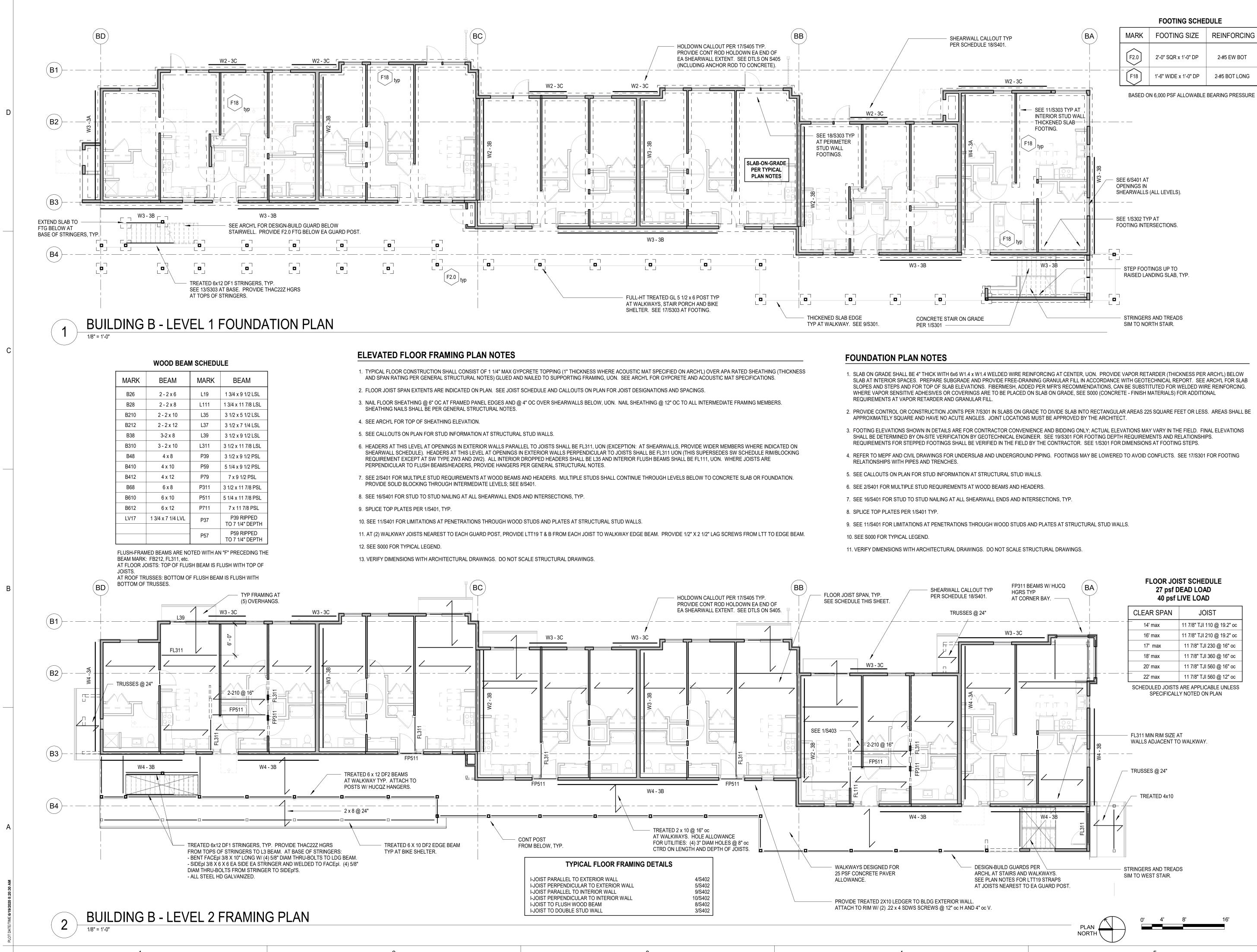
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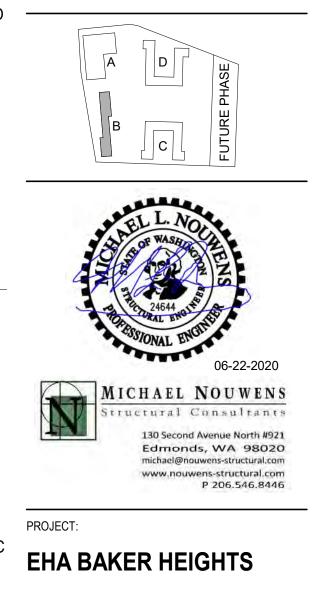
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HOUSING AUTHORITY

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BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK	DATE	DESCRIPTION
REVIS	SIONS	
С	06/22/2020	BUILDING PERMIT SUBMITTAL
		HUD SUBMITTAL
В	04/10/2020	DESIGN DEVELOPMENT
A	01/07/2020	SCHEMATIC DESIGN
MARK	DATE	DESCRIPTION
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PROJEC	T NO.:	201703
RINCIP	AL IN CHAR	GE:
	T MANAGER	: Michael Nouwer

SHEET TITLE

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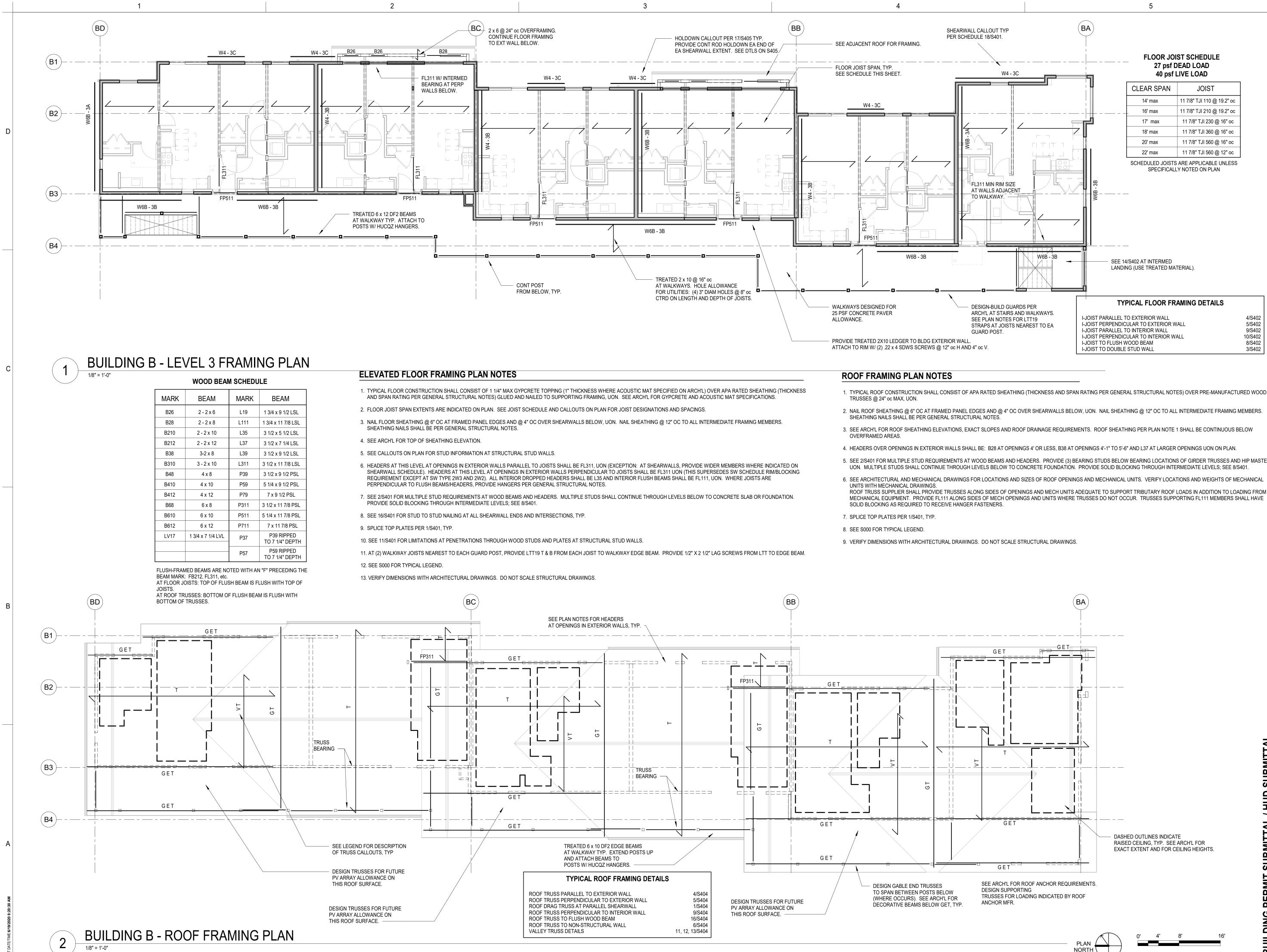
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BUILDING B - LEVEL 1 FOUNDATION PLAN and LEVEL 2 FRAMING PLAN

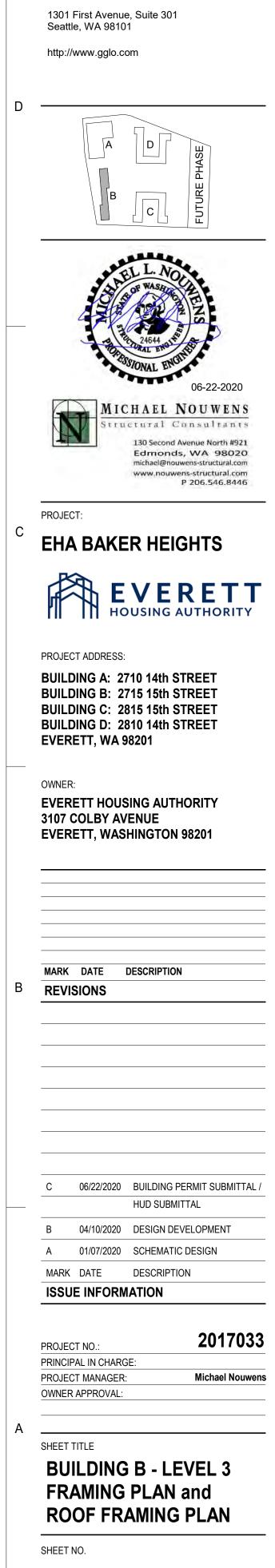
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SHEET NO.

SB-110



- 5. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. PROVIDE (3) BEARING STUDS BELOW BEARING LOCATIONS OF GIRDER TRUSSES AND HIP MASTERS,
- ROOF TRUSS SUPPLIER SHALL PROVIDE TRUSSES ALONG SIDES OF OPENINGS AND MECH UNITS ADEQUATE TO SUPPORT TRIBUTARY ROOF LOADS IN ADDITION TO LOADING FROM MECHANICAL EQUIPMENT. PROVIDE FL111 ALONG SIDES OF MECH OPENINGS AND UNITS WHERE TRUSSES DO NOT OCCUR. TRUSSES SUPPORTING FL111 MEMBERS SHALL HAVE



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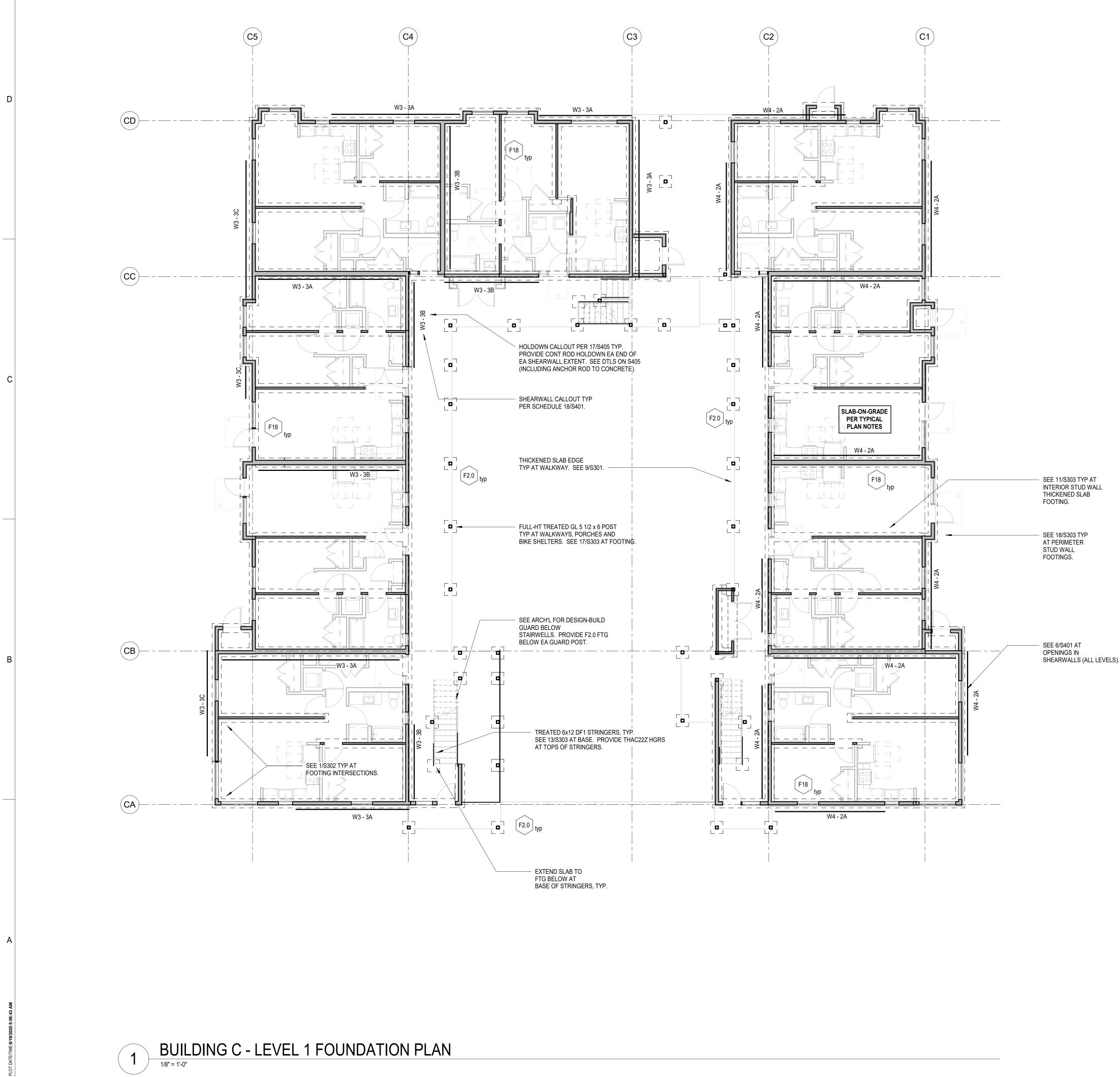
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SB-111

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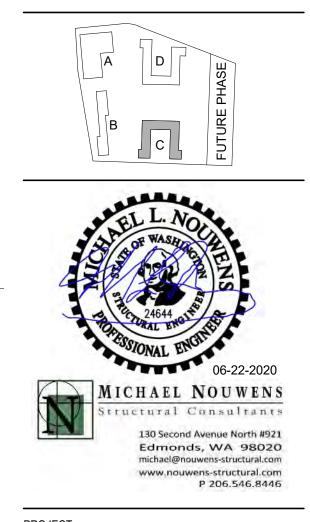


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PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK DATE DESCRIPTION

REVISIONS

06/22/2020 BUILDING PERMIT SUBMITTAL / С HUD SUBMITTAL 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION**

2017033 PROJECT NO .: PRINCIPAL IN CHARGE: PROJECT MANAGER: Michael Nouwens OWNER APPROVAL:

SHEET TITLE

BUILDING C - LEVEL 1 FOUNDATION PLAN

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SHEET NO.

SC-110



FOOTING SCHEDULE

MARK	FOOTING SIZE	REINFORCING
F2.0	2'-0" SQR x 1'-0" DP	2-#5 EW BOT
F18	1'-6" WIDE x 1'-0" DP	2-#5 BOT LONG

BASED ON 6,000 PSF ALLOWABLE BEARING PRESSURE

FOUNDATION PLAN NOTES

- 1. SLAB ON GRADE SHALL BE 4" THICK WITH 6x6 W1.4 x W1.4 WELDED WIRE REINFORCING AT CENTER, UON. PROVIDE VAPOR RETARDER (THICKNESS PER ARCH'L) BELOW SLAB AT INTERIOR SPACES. PREPARE SUBGRADE AND PROVIDE FREE-DRAINING GRANULAR FILL IN ACCORDANCE WITH GEOTECHNICAL REPORT. SEE ARCH'L FOR SLAB SLOPES AND STEPS AND FOR TOP OF SLAB ELEVATIONS. FIBERMESH, ADDED PER MFR'S RECOMMENDATIONS, CAN BE SUBSTITUTED FOR WELDED WIRE REINFORCING. WHERE VAPOR SENSITIVE ADHESIVES OR COVERINGS ARE TO BE PLACED ON SLAB ON GRADE. SEE S000 (CONCRETE - FINISH MATERIALS) FOR ADDITIONAL REQUIREMENTS AT VAPOR RETARDER AND GRANULAR FILL.
- 2. PROVIDE CONTROL OR CONSTRUCTION JOINTS PER 7/S301 IN SLABS ON GRADE TO DIVIDE SLAB INTO RECTANGULAR AREAS 225 SQUARE FEET OR LESS. AREAS SHALL BE APPROXIMATELY SQUARE AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS MUST BE APPROVED BY THE ARCHITECT.
- 3. FOOTING ELEVATIONS SHOWN IN DETAILS ARE FOR CONTRACTOR CONVENIENCE AND BIDDING ONLY; ACTUAL ELEVATIONS MAY VARY IN THE FIELD. FINAL ELEVATIONS SHALL BE DETERMINED BY ON-SITE VERIFICATION BY GEOTECHNICAL ENGINEER. SEE 19/S301 FOR FOOTING DEPTH REQUIREMENTS AND RELATIONSHIPS. REQUIREMENTS FOR STEPPED FOOTINGS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. SEE 1/S301 FOR DIMENSIONS AT FOOTING STEPS.
- 4. REFER TO MEPF AND CIVIL DRAWINGS FOR UNDERSLAB AND UNDERGROUND PIPING. FOOTINGS MAY BE LOWERED TO AVOID CONFLICTS. SEE 17/S301 FOR FOOTING RELATIONSHIPS WITH PIPES AND TRENCHES.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS.

PLAN NORTH

- 7. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 8. SPLICE TOP PLATES PER 1/S401 TYP.
- 9. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.
- 10. SEE S000 FOR TYPICAL LEGEND.
- 11. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.



TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL I-JOIST PERPENDICULAR TO EXTERIOR WALL I-JOIST PARALLEL TO INTERIOR WALL I-JOIST PERPENDICULAR TO INTERIOR WALL I-JOIST TO FLUSH WOOD BEAM I-JOIST TO DOUBLE STUD WALL

4/S402	
5/S402	
9/S402	
10/S402	
8/S402	
3/S402	

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
B212	2 - 2 x 12	L37	3 1/2 x 7 1/4 LSL
B38	3-2 x 8	L39	3 1/2 x 9 1/2 LSL
B310	3 - 2 x 10	L311	3 1/2 x 11 7/8 LSL
B48	4 x 8	P39	3 1/2 x 9 1/2 PSL
B410	4 x 10	P59	5 1/4 x 9 1/2 PSL
B412	4 x 12	P79	7 x 9 1/2 PSL
B68	6 x 8	P311	3 1/2 x 11 7/8 PSL
B610	6 x 10	P511	5 1/4 x 11 7/8 PSL
B612	6 x 12	P711	7 x 11 7/8 PSL
LV17	1 3/4 x 7 1/4 LVL	P37	P39 RIPPED TO 7 1/4" DEPTH
		P57	P59 RIPPED TO 7 1/4" DEPTH

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc. AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF JOISTS. AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH

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FLOOR FRAMING PLAN NOTES

- 1. TYPICAL FLOOR CONSTRUCTION SHALL CONSIST OF 1 1/4" MAX GYPCRETE TOPPING (1" THICKNESS WHERE ACOUSTIC MAT SPECIFIED ON ARCH'L) OVER APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) GLUED AND NAILED TO SUPPORTING FRAMING, UON. SEE ARCH'L FOR GYPCRETE AND ACOUSTIC MAT SPECIFICATIONS.
- 2. FLOOR JOIST SPAN EXTENTS ARE INDICATED ON PLAN. SEE JOIST SCHEDULE AND CALLOUTS ON PLAN FOR JOIST DESIGNATIONS AND SPACINGS.
- NAIL FLOOR SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PARALLEL TO JOISTS SHALL BE FL311, UON (EXCEPTION: AT SHEARWALLS, PROVIDE WIDER MEMBERS WHERE INDICATED ON SHEARWALL SCHEDULE). HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PERPENDICULAR TO JOISTS SHALL BE FL311 UON (THIS SUPERSEDES SW SCHEDULE RIM/BLOCKING REQUIREMENT EXCEPT AT SW TYPE 2W3 AND 2W2). ALL INTERIOR DROPPED HEADERS SHALL BE L35 AND INTERIOR FLUSH BEAMS SHALL BE FL111, UON. WHERE JOISTS ARE PERPENDICULAR TO FLUSH BEAMS/HEADERS, PROVIDE HANGERS PER GENERAL STRUCTURAL NOTES.
- 7. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE SLAB OR FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 8. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 9. SPLICE TOP PLATES PER 1/S401, TYP.
- 10. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.
- 11. AT (2) WALKWAY JOISTS NEAREST TO EACH GUARD POST, PROVIDE LTT19 T & B FROM EACH JOIST TO WALKWAY EDGE BEAM. PROVIDE 1/2" X 2 1/2" LAG SCREWS FROM LTT TO EDGE BEAM.
- 12. SEE S000 FOR TYPICAL LEGEND.

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13. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

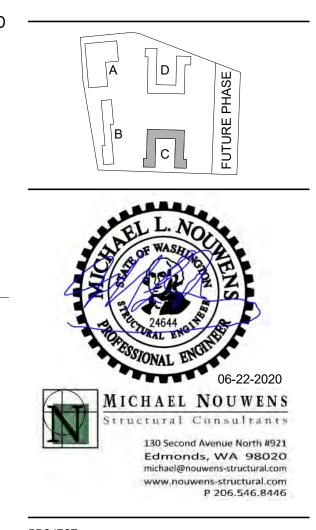
FLOOR JOIST SCHEDULE 27 psf DEAD LOAD 40 psf LIVE LOAD		
CLEAR SPAN	JOIST	
14' max	11 7/8" TJI 110 @ 19.2" oc	
16' max	11 7/8" TJI 210 @ 19.2" oc	
17' max	11 7/8" TJI 230 @ 16" oc	
18' max	11 7/8" TJI 360 @ 16" oc	
20' max	11 7/8" TJI 560 @ 16" oc	
22' max	11 7/8" TJI 560 @ 12" oc	
PLAN NORTH	4' 8'	

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PROJECT:



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BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

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2017033 PROJECT NO .: PRINCIPAL IN CHARGE: PROJECT MANAGER: Michael Nouwens OWNER APPROVAL:

SHEET TITLE

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BUILDING C - LEVEL 2 FRAMING PLAN

SHEET NO.

SC-111

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TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL I-JOIST PERPENDICULAR TO EXTERIOR WALL I-JOIST PARALLEL TO INTERIOR WALL I-JOIST PERPENDICULAR TO INTERIOR WALL I-JOIST TO FLUSH WOOD BEAM I-JOIST TO DOUBLE STUD WALL

4/S402
5/S402
9/S402
10/S402
8/S402
3/S402

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
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B612	6 x 12	P711	7 x 11 7/8 PSL
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		P57	P59 RIPPED TO 7 1/4" DEPTH

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc. AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF

JOISTS. AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

FLOOR FRAMING PLAN NOTES

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- FLOOR JOIST SPAN EXTENTS ARE INDICATED ON PLAN. SEE JOIST SCHEDULE AND CALLOUTS ON PLAN FOR JOIST DESIGNATIONS AND SPACINGS.
- NAIL FLOOR SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PARALLEL TO JOISTS SHALL BE FL311, UON (EXCEPTION: AT SHEARWALLS, PROVIDE WIDER MEMBERS WHERE INDICATED ON SHEARWALL SCHEDULE). HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PERPENDICULAR TO JOISTS SHALL BE FL311 UON (THIS SUPERSEDES SW SCHEDULE RIM/BLOCKING REQUIREMENT EXCEPT AT SW TYPE 2W3 AND 2W2). ALL INTERIOR DROPPED HEADERS SHALL BE L35 AND INTERIOR FLUSH BEAMS SHALL BE FL111, UON. WHERE JOISTS ARE PERPENDICULAR TO FLUSH BEAMS/HEADERS, PROVIDE HANGERS PER GENERAL STRUCTURAL NOTES.
- SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE SLAB OR FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 8. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 9. SPLICE TOP PLATES PER 1/S401, TYP.

10. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.

11. AT (2) WALKWAY JOISTS NEAREST TO EACH GUARD POST, PROVIDE LTT19 T & B FROM EACH JOIST TO WALKWAY EDGE BEAM. PROVIDE 1/2" X 2 1/2" LAG SCREWS FROM LTT TO EDGE BEAM.

- 12. SEE S000 FOR TYPICAL LEGEND.
- 13. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

FLOOR JOIST SCHEDULE 27 psf DEAD LOAD 40 psf LIVE LOAD		
CLEAR SPAN	JOIST	
14' max	11 7/8" TJI 110 @ 19.2" oc	
16' max	11 7/8" TJI 210 @ 19.2" oc	
17' max	11 7/8" TJI 230 @ 16" oc	
18' max	11 7/8" TJI 360 @ 16" oc	
20' max	11 7/8" TJI 560 @ 16" oc	
22' max	11 7/8" TJI 560 @ 12" oc	
PLAN		

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http://www.gglo.com

<image>

PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET EVERETT, WA 98201

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE EVERETT, WASHINGTON 98201

MARK DATE DESCRIPTION

REVISIONS

 C
 06/22/2020
 BUILDING PERMIT SUBMITTAL /

 HUD SUBMITTAL
 HUD SUBMITTAL

 B
 04/10/2020
 DESIGN DEVELOPMENT

 A
 01/07/2020
 SCHEMATIC DESIGN

 MARK
 DATE
 DESCRIPTION

 ISSUE INFORMATION
 2017033

SHEET TITLE

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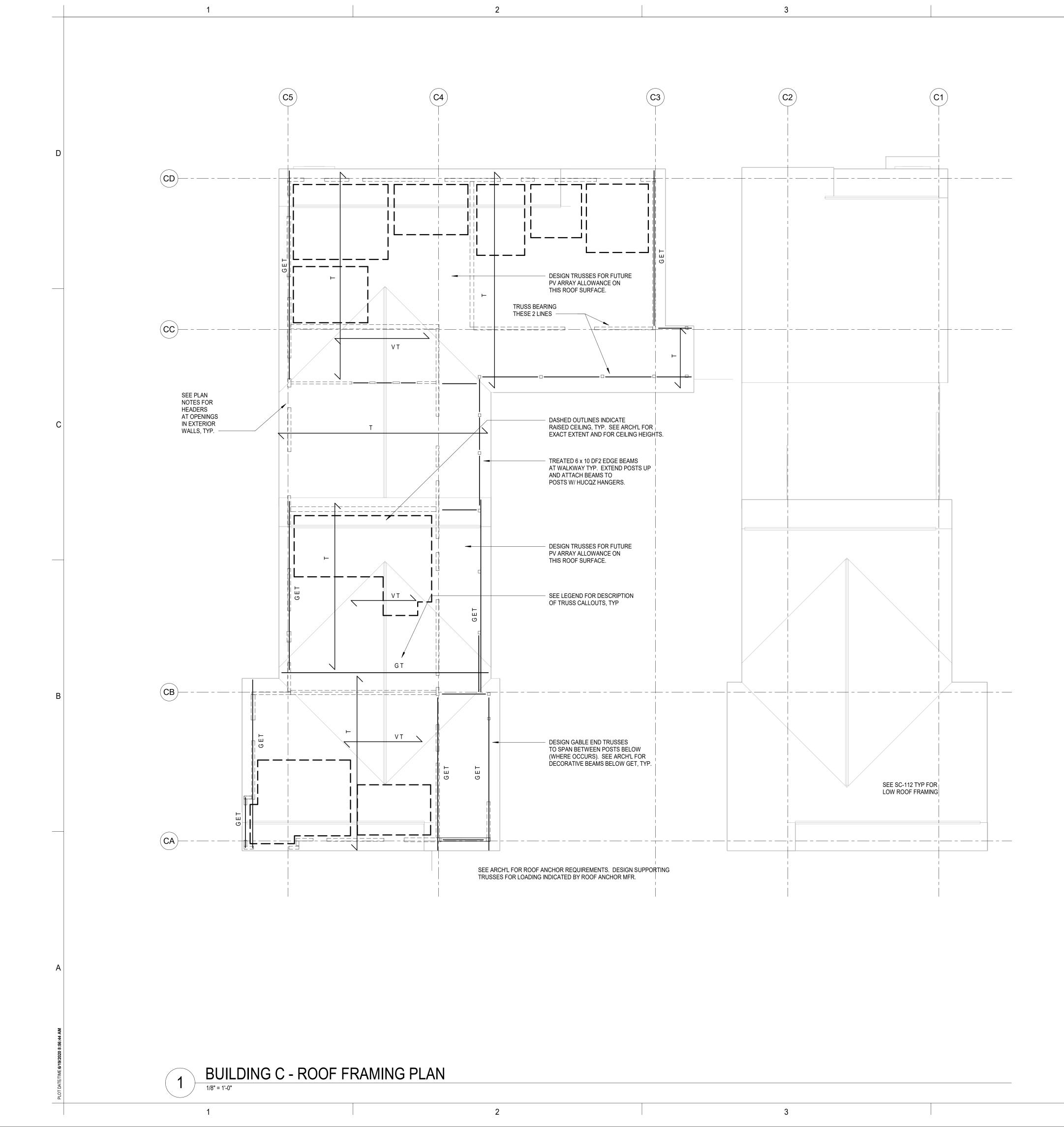
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BUILDING C - LEVEL 3 FRAMING PLAN

SHEET NO.

SC-112

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TYPICAL ROOF FRAMING DETAILS

ROOF TRUSS PARALLEL TO EXTERIOR WALL ROOF TRUSS PERPENDICULAR TO EXTERIOR WALL ROOF DRAG TRUSS AT PARALLEL SHEARWALL ROOF TRUSS PERPENDICULAR TO INTERIOR WALL ROOF TRUSS TO FLUSH WOOD BEAM ROOF TRUSS TO NON-STRUCTURAL WALL VALLEY TRUSS DETAILS

4/S404	
5/S404	
1/S404	
9/S404	
16/S404	
6/S404	
12, 13/S404	

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
B212	2 - 2 x 12	L37	3 1/2 x 7 1/4 LSL
B38	3-2 x 8	L39	3 1/2 x 9 1/2 LSL
B310	3 - 2 x 10	L311	3 1/2 x 11 7/8 LSL
B48	4 x 8	P39	3 1/2 x 9 1/2 PSL
B410	4 x 10	P59	5 1/4 x 9 1/2 PSL
B412	4 x 12	P79	7 x 9 1/2 PSL
B68	6 x 8	P311	3 1/2 x 11 7/8 PSL
B610	6 x 10	P511	5 1/4 x 11 7/8 PSL
B612	6 x 12	P711	7 x 11 7/8 PSL
LV17	1 3/4 x 7 1/4 LVL	P37	P39 RIPPED TO 7 1/4" DEPTH
		P57	P59 RIPPED TO 7 1/4" DEPTH

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc.

AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF JOISTS. AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

ROOF FRAMING PLAN NOTES

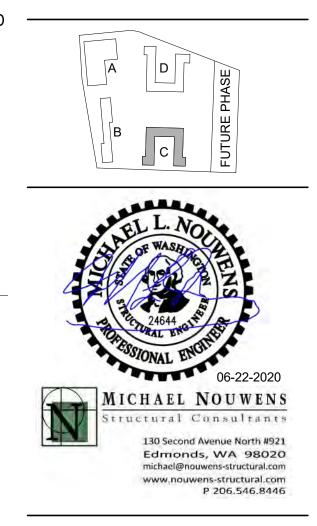
- 1. TYPICAL ROOF CONSTRUCTION SHALL CONSIST OF APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) OVER PRE-MANUFACTURED WOOD TRUSSES @ 24" oc MAX, UON.
- 2. NAIL ROOF SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 3. SEE ARCH'L FOR ROOF SHEATHING ELEVATIONS, EXACT SLOPES AND ROOF DRAINAGE REQUIREMENTS. ROOF SHEATHING PER PLAN NOTE 1 SHALL BE CONTINUOUS BELOW OVERFRAMED AREAS.
- 4. HEADERS OVER OPENINGS IN EXTERIOR WALLS SHALL BE: B28 AT OPENINGS 4' OR LESS, B38 AT OPENINGS 4'-1" TO 5'-6" AND L37 AT LARGER OPENINGS UON ON PLAN.
- 5. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. PROVIDE (3) BEARING STUDS BELOW BEARING LOCATIONS OF GIRDER TRUSSES AND HIP MASTERS, UON. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 6. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF ROOF OPENINGS AND MECHANICAL UNITS. VERIFY LOCATIONS AND WEIGHTS OF MECHANICAL UNITS WITH MECHANICAL DRAWINGS. ROOF TRUSS SUPPLIER SHALL PROVIDE TRUSSES ALONG SIDES OF OPENINGS AND MECH UNITS ADEQUATE TO SUPPORT TRIBUTARY ROOF LOADS IN ADDITION TO LOADING FROM MECHANICAL EQUIPMENT. PROVIDE FL111 ALONG SIDES OF MECH OPENINGS AND UNITS WHERE TRUSSES DO NOT OCCUR. TRUSSES SUPPORTING FL111 MEMBERS SHALL HAVE SOLID BLOCKING AS REQUIRED TO RECEIVE HANGER FASTENERS.
- 7. SPLICE TOP PLATES PER 1/S401, TYP.
- 8. SEE S000 FOR TYPICAL LEGEND.
- 9. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

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PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

REVISIONS

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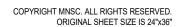
2017033 PROJECT NO .: PRINCIPAL IN CHARGE: PROJECT MANAGER: Michael Nouwens OWNER APPROVAL:

SHEET TITLE

BUILDING C - ROOF FRAMING PLAN

SHEET NO.





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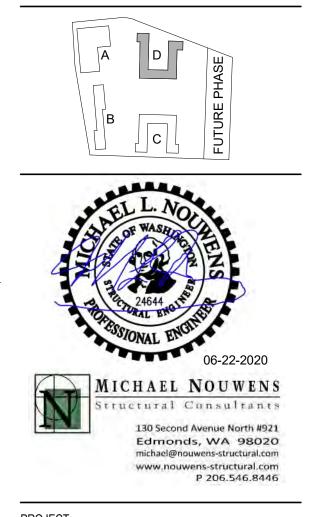
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PROJECT NO .:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwen
OWNER APPROVAL:	

SHEET TITLE

BUILDING D - LEVEL 1 FOUNDATION PLAN

SHEET NO.

FOOTING SCHEDULE

MARK	FOOTING SIZE	REINFORCING
F2.0	2'-0" SQR x 1'-0" DP	2-#5 EW BOT
F18	1'-6" WIDE x 1'-0" DP	2-#5 BOT LONG

BASED ON 6,000 PSF ALLOWABLE BEARING PRESSURE

FOUNDATION PLAN NOTES

- 1. SLAB ON GRADE SHALL BE 4" THICK WITH 6x6 W1.4 x W1.4 WELDED WIRE REINFORCING AT CENTER, UON. PROVIDE VAPOR RETARDER (THICKNESS PER ARCH'L) BELOW SLAB AT INTERIOR SPACES. PREPARE SUBGRADE AND PROVIDE FREE-DRAINING GRANULAR FILL IN ACCORDANCE WITH GEOTECHNICAL REPORT. SEE ARCH'L FOR SLAB SLOPES AND STEPS AND FOR TOP OF SLAB ELEVATIONS. FIBERMESH, ADDED PER MFR'S RECOMMENDATIONS, CAN BE SUBSTITUTED FOR WELDED WIRE REINFORCING. WHERE VAPOR SENSITIVE ADHESIVES OR COVERINGS ARE TO BE PLACED ON SLAB ON GRADE, SEE S000 (CONCRETE - FINISH MATERIALS) FOR ADDITIONAL REQUIREMENTS AT VAPOR RETARDER AND GRANULAR FILL.
- 2. PROVIDE CONTROL OR CONSTRUCTION JOINTS PER 7/S301 IN SLABS ON GRADE TO DIVIDE SLAB INTO RECTANGULAR AREAS 225 SQUARE FEET OR LESS. AREAS SHALL BE APPROXIMATELY SQUARE AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS MUST BE APPROVED BY THE ARCHITECT.
- 3. FOOTING ELEVATIONS SHOWN IN DETAILS ARE FOR CONTRACTOR CONVENIENCE AND BIDDING ONLY; ACTUAL ELEVATIONS MAY VARY IN THE FIELD. FINAL ELEVATIONS SHALL BE DETERMINED BY ON-SITE VERIFICATION BY GEOTECHNICAL ENGINEER. SEE 19/S301 FOR FOOTING DEPTH REQUIREMENTS AND RELATIONSHIPS. REQUIREMENTS FOR STEPPED FOOTINGS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. SEE 1/S301 FOR DIMENSIONS AT FOOTING STEPS.
- 4. REFER TO MEPF AND CIVIL DRAWINGS FOR UNDERSLAB AND UNDERGROUND PIPING. FOOTINGS MAY BE LOWERED TO AVOID CONFLICTS. SEE 17/S301 FOR FOOTING RELATIONSHIPS WITH PIPES AND TRENCHES.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS.
- 7. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 8. SPLICE TOP PLATES PER 1/S401 TYP.
- 9. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.
- 10. SEE S000 FOR TYPICAL LEGEND.
- 11. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

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TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL I-JOIST PERPENDICULAR TO EXTERIOR WALL I-JOIST PARALLEL TO INTERIOR WALL I-JOIST PERPENDICULAR TO INTERIOR WALL I-JOIST TO FLUSH WOOD BEAM I-JOIST TO DOUBLE STUD WALL

4/S402	
5/S402	
9/S402	
10/S402	
8/S402	
3/S402	

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
B212	2 - 2 x 12	L37	3 1/2 x 7 1/4 LSL
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FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc. AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF JOISTS.

AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

FLOOR FRAMING PLAN NOTES

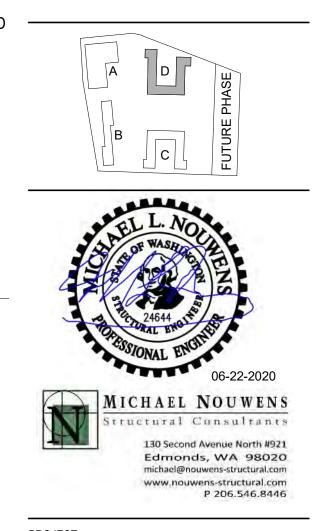
- 1. TYPICAL FLOOR CONSTRUCTION SHALL CONSIST OF 1 1/4" MAX GYPCRETE TOPPING (1" THICKNESS WHERE ACOUSTIC MAT SPECIFIED ON ARCH'L) OVER APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) GLUED AND NAILED TO SUPPORTING FRAMING, UON. SEE ARCH'L FOR GYPCRETE AND ACOUSTIC MAT SPECIFICATIONS.
- 2. FLOOR JOIST SPAN EXTENTS ARE INDICATED ON PLAN. SEE JOIST SCHEDULE AND CALLOUTS ON PLAN FOR JOIST DESIGNATIONS AND SPACINGS.
- NAIL FLOOR SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
- 6. HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PARALLEL TO JOISTS SHALL BE FL311, UON (EXCEPTION: AT SHEARWALLS, PROVIDE WIDER MEMBERS WHERE INDICATED ON SHEARWALL SCHEDULE). HEADERS AT THIS LEVEL AT OPENINGS IN EXTERIOR WALLS PERPENDICULAR TO JOISTS SHALL BE FL311 UON (THIS SUPERSEDES SW SCHEDULE RIM/BLOCKING REQUIREMENT EXCEPT AT SW TYPE 2W3 AND 2W2). ALL INTERIOR DROPPED HEADERS SHALL BE L35 AND INTERIOR FLUSH BEAMS SHALL BE FL111, UON. WHERE JOISTS ARE PERPENDICULAR TO FLUSH BEAMS/HEADERS, PROVIDE HANGERS PER GENERAL STRUCTURAL NOTES.
- 7. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE SLAB OR FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 8. SEE 16/S401 FOR STUD TO STUD NAILING AT ALL SHEARWALL ENDS AND INTERSECTIONS, TYP.
- 9. SPLICE TOP PLATES PER 1/S401, TYP.
- 10. SEE 11/S401 FOR LIMITATIONS AT PENETRATIONS THROUGH WOOD STUDS AND PLATES AT STRUCTURAL STUD WALLS.
- 11. AT (2) WALKWAY JOISTS NEAREST TO EACH GUARD POST, PROVIDE LTT19 T & B FROM EACH JOIST TO WALKWAY EDGE BEAM. PROVIDE 1/2" X 2 1/2" LAG SCREWS FROM LTT TO EDGE BEAM.
- 12. SEE S000 FOR TYPICAL LEGEND.
- 13. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

CLEAR SPAN	JOIST
14' max	11 7/8" TJI 110 @ 19.2" oc
16' max	11 7/8" TJI 210 @ 19.2" oc
17' max	11 7/8" TJI 230 @ 16" oc
18' max	11 7/8" TJI 360 @ 16" oc
20' max	11 7/8" TJI 560 @ 16" oc
22' max	11 7/8" TJI 560 @ 12" oc
	LY NOTED ON PLAN

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PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK DATE DESCRIPTION REVISIONS

06/22/2020 BUILDING PERMIT SUBMITTAL / С HUD SUBMITTAL 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION**

PROJECT NO.:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

SHEET TITLE

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BUILDING D - LEVEL 2 FRAMING PLAN

SHEET NO.



TYPICAL FLOOR FRAMING DETAILS

I-JOIST PARALLEL TO EXTERIOR WALL I-JOIST PERPENDICULAR TO EXTERIOR WALL I-JOIST PARALLEL TO INTERIOR WALL I-JOIST PERPENDICULAR TO INTERIOR WALL I-JOIST TO FLUSH WOOD BEAM I-JOIST TO DOUBLE STUD WALL

4/S402
5/S402
9/S402
10/S402
8/S402
3/S402

WOOD BEAM SCHEDULE

MARK	BEAM	MARK	BEAM
B26	2 - 2 x 6	L19	1 3/4 x 9 1/2 LSL
B28	2 - 2 x 8	L111	1 3/4 x 11 7/8 LSL
B210	2 - 2 x 10	L35	3 1/2 x 5 1/2 LSL
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JOISTS. AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

FLOOR FRAMING PLAN NOTES

- 1. TYPICAL FLOOR CONSTRUCTION SHALL CONSIST OF 1 1/4" MAX GYPCRETE TOPPING (1" THICKNESS WHERE ACOUSTIC MAT SPECIFIED ON ARCH'L) OVER APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) GLUED AND NAILED TO SUPPORTING FRAMING, UON. SEE ARCH'L FOR GYPCRETE AND ACOUSTIC MAT SPECIFICATIONS.
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- 4. SEE ARCH'L FOR TOP OF SHEATHING ELEVATION.
- 5. SEE CALLOUTS ON PLAN FOR STUD INFORMATION AT STRUCTURAL STUD WALLS.
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- 13. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

•	EAD LOAD IVE LOAD
CLEAR SPAN	JOIST
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PROJECT:



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BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET EVERETT, WA 98201

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE EVERETT, WASHINGTON 98201

3 MARK DATE DESCRIPTION REVISIONS

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PROJECT NO .:	2017033
PRINCIPAL IN CHARGE:	
PROJECT MANAGER:	Michael Nouwens
OWNER APPROVAL:	

SHEET TITLE

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BUILDING D - LEVEL 3 FRAMING PLAN

SHEET NO.



TYPICAL ROOF FRAMING DETAILS

ROOF TRUSS PARALLEL TO EXTERIOR WALL ROOF TRUSS PERPENDICULAR TO EXTERIOR WALL ROOF DRAG TRUSS AT PARALLEL SHEARWALL ROOF TRUSS PERPENDICULAR TO INTERIOR WALL ROOF TRUSS TO FLUSH WOOD BEAM ROOF TRUSS TO NON-STRUCTURAL WALL VALLEY TRUSS DETAILS

4/S404	
5/S404	
1/S404	
9/S404	
16/S404	
6/S404	
12, 13/S404	

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B68	6 x 8	P311	3 1/2 x 11 7/8 PSL
B610	6 x 10	P511	5 1/4 x 11 7/8 PSL
B612	6 x 12	P711	7 x 11 7/8 PSL
LV17	1 3/4 x 7 1/4 LVL	P37	P39 RIPPED TO 7 1/4" DEPTH
		P57	P59 RIPPED TO 7 1/4" DEPTH

FLUSH-FRAMED BEAMS ARE NOTED WITH AN "F" PRECEDING THE BEAM MARK: FB212, FL311, etc.

AT FLOOR JOISTS: TOP OF FLUSH BEAM IS FLUSH WITH TOP OF JOISTS. AT ROOF TRUSSES: BOTTOM OF FLUSH BEAM IS FLUSH WITH BOTTOM OF TRUSSES.

ROOF FRAMING PLAN NOTES

- 1. TYPICAL ROOF CONSTRUCTION SHALL CONSIST OF APA RATED SHEATHING (THICKNESS AND SPAN RATING PER GENERAL STRUCTURAL NOTES) OVER PRE-MANUFACTURED WOOD TRUSSES @ 24" oc MAX, UON.
- 2. NAIL ROOF SHEATHING @ 6" OC AT FRAMED PANEL EDGES AND @ 4" OC OVER SHEARWALLS BELOW, UON. NAIL SHEATHING @ 12" OC TO ALL INTERMEDIATE FRAMING MEMBERS. SHEATHING NAILS SHALL BE PER GENERAL STRUCTURAL NOTES.
- 3. SEE ARCH'L FOR ROOF SHEATHING ELEVATIONS, EXACT SLOPES AND ROOF DRAINAGE REQUIREMENTS. ROOF SHEATHING PER PLAN NOTE 1 SHALL BE CONTINUOUS BELOW OVERFRAMED AREAS.
- 4. HEADERS OVER OPENINGS IN EXTERIOR WALLS SHALL BE: B28 AT OPENINGS 4' OR LESS, B38 AT OPENINGS 4'-1" TO 5'-6" AND L37 AT LARGER OPENINGS UON ON PLAN.
- 5. SEE 2/S401 FOR MULTIPLE STUD REQUIREMENTS AT WOOD BEAMS AND HEADERS. PROVIDE (3) BEARING STUDS BELOW BEARING LOCATIONS OF GIRDER TRUSSES AND HIP MASTERS, UON. MULTIPLE STUDS SHALL CONTINUE THROUGH LEVELS BELOW TO CONCRETE FOUNDATION. PROVIDE SOLID BLOCKING THROUGH INTERMEDIATE LEVELS; SEE 8/S401.
- 6. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND SIZES OF ROOF OPENINGS AND MECHANICAL UNITS. VERIFY LOCATIONS AND WEIGHTS OF MECHANICAL UNITS WITH MECHANICAL DRAWINGS. ROOF TRUSS SUPPLIER SHALL PROVIDE TRUSSES ALONG SIDES OF OPENINGS AND MECH UNITS ADEQUATE TO SUPPORT TRIBUTARY ROOF LOADS IN ADDITION TO LOADING FROM MECHANICAL EQUIPMENT. PROVIDE FL111 ALONG SIDES OF MECH OPENINGS AND UNITS WHERE TRUSSES DO NOT OCCUR. TRUSSES SUPPORTING FL111 MEMBERS SHALL HAVE SOLID BLOCKING AS REQUIRED TO RECEIVE HANGER FASTENERS.
- 7. SPLICE TOP PLATES PER 1/S401, TYP.
- 8. SEE S000 FOR TYPICAL LEGEND.
- 9. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS. DO NOT SCALE STRUCTURAL DRAWINGS.

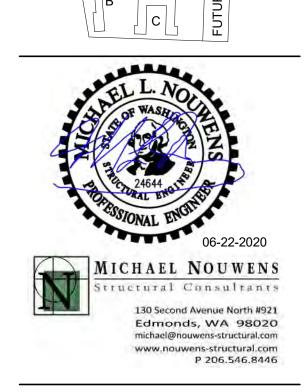
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1301 First Avenue, Suite 301 Seattle, WA 98101	
http://www.gglo.com	
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PROJECT:



PROJECT ADDRESS:

BUILDING A: 2710 14th STREET BUILDING B: 2715 15th STREET BUILDING C: 2815 15th STREET BUILDING D: 2810 14th STREET **EVERETT, WA 98201**

OWNER:

EVERETT HOUSING AUTHORITY 3107 COLBY AVENUE **EVERETT, WASHINGTON 98201**

MARK DATE DESCRIPTION REVISIONS

C 06/22/2020 BUILDING PERMIT SUBMITTAL / HUD SUBMITTAL B 04/10/2020 DESIGN DEVELOPMENT A 01/07/2020 SCHEMATIC DESIGN MARK DATE DESCRIPTION **ISSUE INFORMATION**

2017033 PROJECT NO .: PRINCIPAL IN CHARGE: PROJECT MANAGER: Michael Nouwens OWNER APPROVAL:

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BUILDING D - ROOF FRAMING PLAN

SHEET NO.



