ANCHOR BOLTS

5/8-IN ANCHOR BOLTS AT 48-IN O.C. AT SINGLE STORY AND PER SHEAR WALL SCHEDULE (U.N.O.)

AS A REPAIR FOR MISSING ANCHOR BOLTS 5/8-IN. THREADED ROD ANCHORS MAY BE USED. THE ANCHOR SHALL BE EMBEDDED A MINIMUM 4 1/4-IN. INTO THE CONCRETE AND PLACED A MINIMUM 1 5/8-IN FROM THE EDGE. THE ANCHOR SHALL BE FASTENED TO THE CONCRETE WITH SIMPSON EPOXY-SETXP ADHESIVE AND INSTALLED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS. (ICC ESR - 2508)

FOUNDATION SILL SHALL BE BOLTED TO THE FOUNDATION OR FOUNDATION WALL AT ALL HOUSE AND GARAGE PERIMETER FOUNDATIONS.

SIMPSON MASA ANCHORS MAY BE USED TO REPLACE ANCHOR BOLTS AT ALL LOCATION EXCEPT SHEAR WALLS (ICC ESR - 2555)

FOUNDATION SILL AT INTERIOR WALLS MAY USE SHOT-PINS FOR CONNECTION TO THE SLAB. PLATES SHALL HAVE A MIN. OF TWO BOLTS PER PANEL WITH ONE BOLT LOCATED WITHIN 12" OF EACH END.

SHEAR WALL SILL PLATES SHALL BE BOLTED TO THE FOUNDATION.

ALL ANCHOR BOLTS SHALL HAVE 3"X3"X0.229" PLATE WASHERS. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1 3/4" PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT.

GENERAL NOTES

VERIFY ALL FLAT WORK WITH DEVELOPER PRIOR TO INSTALLATION.

SHOT-PINS

SHOT-PINS: 0.145-IN DIA X 2 1/2-IN. LONG (RAMSET/ REDHEAD ICC ESR-1799 OR EQUAL). **ÈXCEPT FOR SHEAR WALLS, INTERIOR WALLS** MAY BE CONNECTED TO THE SLAB WITH SHOT-PINS. THE SPACING SHALL BE AS FOLLOWS.

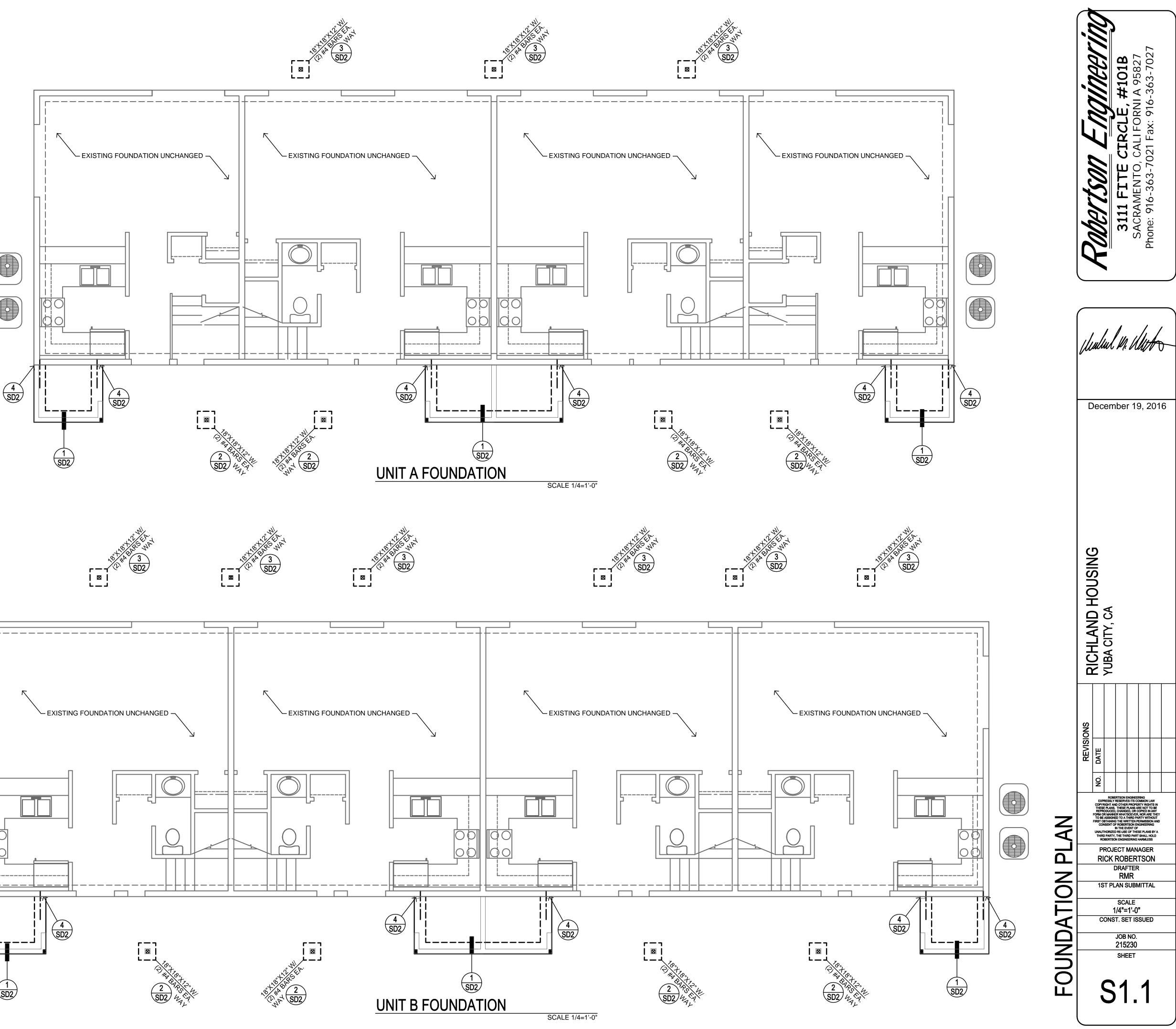
SPACING: BEARING WALLS: 16 IN O.C. NON-BEARING WALLS: 48 IN O.C.

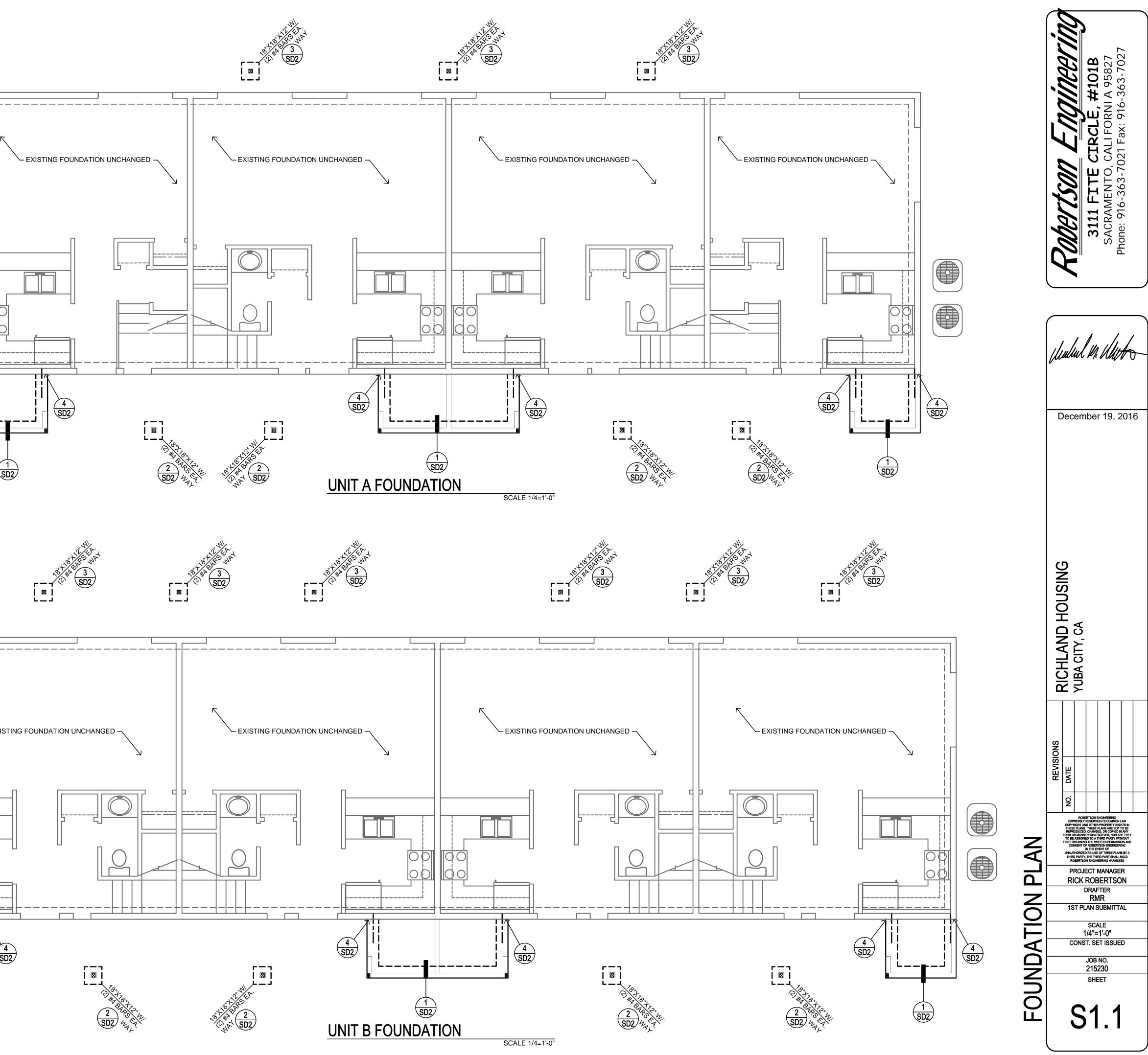
FOUNDATION NOTES

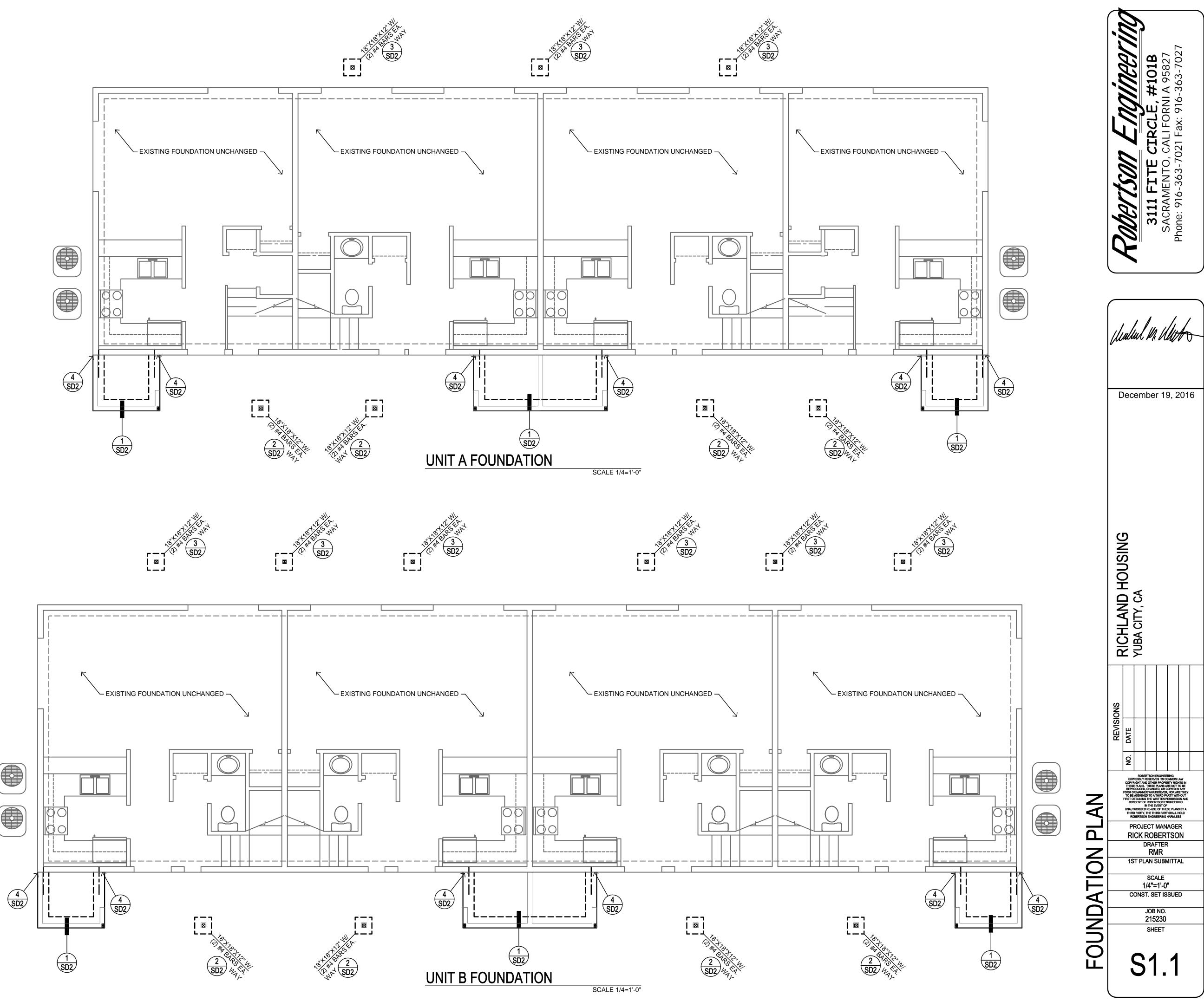
- SLAB REINFORCEMENT TO BE LOCATED MID-SLAB.
 MAX. WATER CEMENT RATIO OF .50 REQ'D FOR SLAB-ON-GRADE CONCRETE.
- 3. MINIMUM CONCRETE COMPRESSION STRENGTH IS AS FOLLOWS: F'c = 2500 PSI. (FOOTINGS)
- F'c = 3000 PSI. (SLABS)
- ALL SHEAR WALL ANCHOR BOLTS ARE TO BE 5/8" DIA. MINIMUM.
- 5. WHERE 3X SILL PLATES OCCUR USE SIMPSON SSTBL STAB BOLTS FOR HOLDOWNS.

SHEAR ALL NEW WALLS

ALL NEW EXTERIOR WALLS SHALL BE SHEATHED WITH 3/8" OSB NAILED WITH 8d COMMON NAILS AT 6" O.C. EDGE, 12" O.C. FIELD









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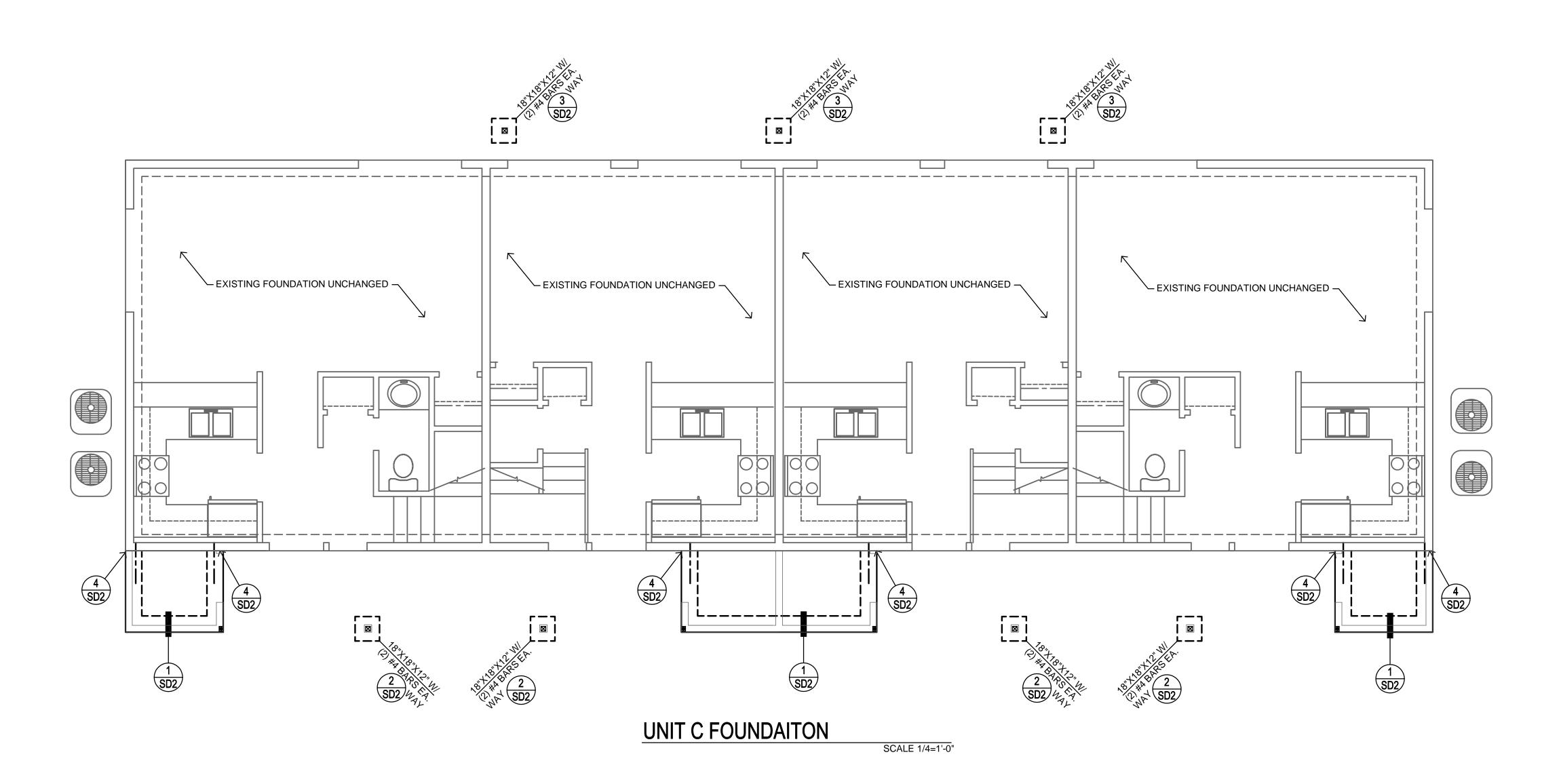
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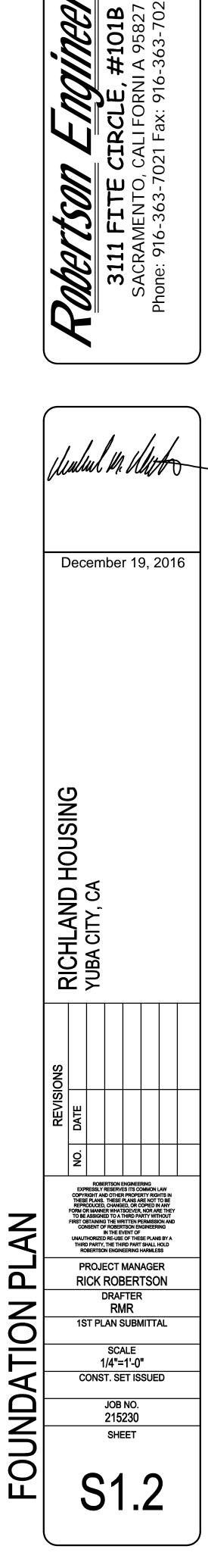
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SHEAR ALL NEW WALLS

ALL NEW EXTERIOR WALLS SHALL BE SHEATHED WITH 3/8" OSB NAILED WITH 8d COMMON NAILS AT 6" O.C. EDGE, 12" O.C. FIELD





STRUCTURAL LUMBER SPECS. (U.N.O.)

- 1. 2X, 4X BEAMS, HEADERS, AND POST: DF#2 OR BETTER
- 2. 6X BEAMS, HEADERS AND POST:
- DF#1 OR BETTER 3. 2X JOISTS AND RAFTERS:
- DF#2 OR BETTER
- 2X STUDS (MAX 10 FT LONG): DF#3 OR STUD GRADE AND BETTER
- 5. 2X6 STUDS (MAX 13 FT LONG): DF#2 AND BETTER
- 6. GLB: 24F-V4 DF/DF
- 1600 FT RADIUS CAMBER.
- 7. ALL BEAMS SHALL BE STAINED, PAINTED OR OTHERWISE PROTECTED FROM EXPOSURE TO SEA AIR.

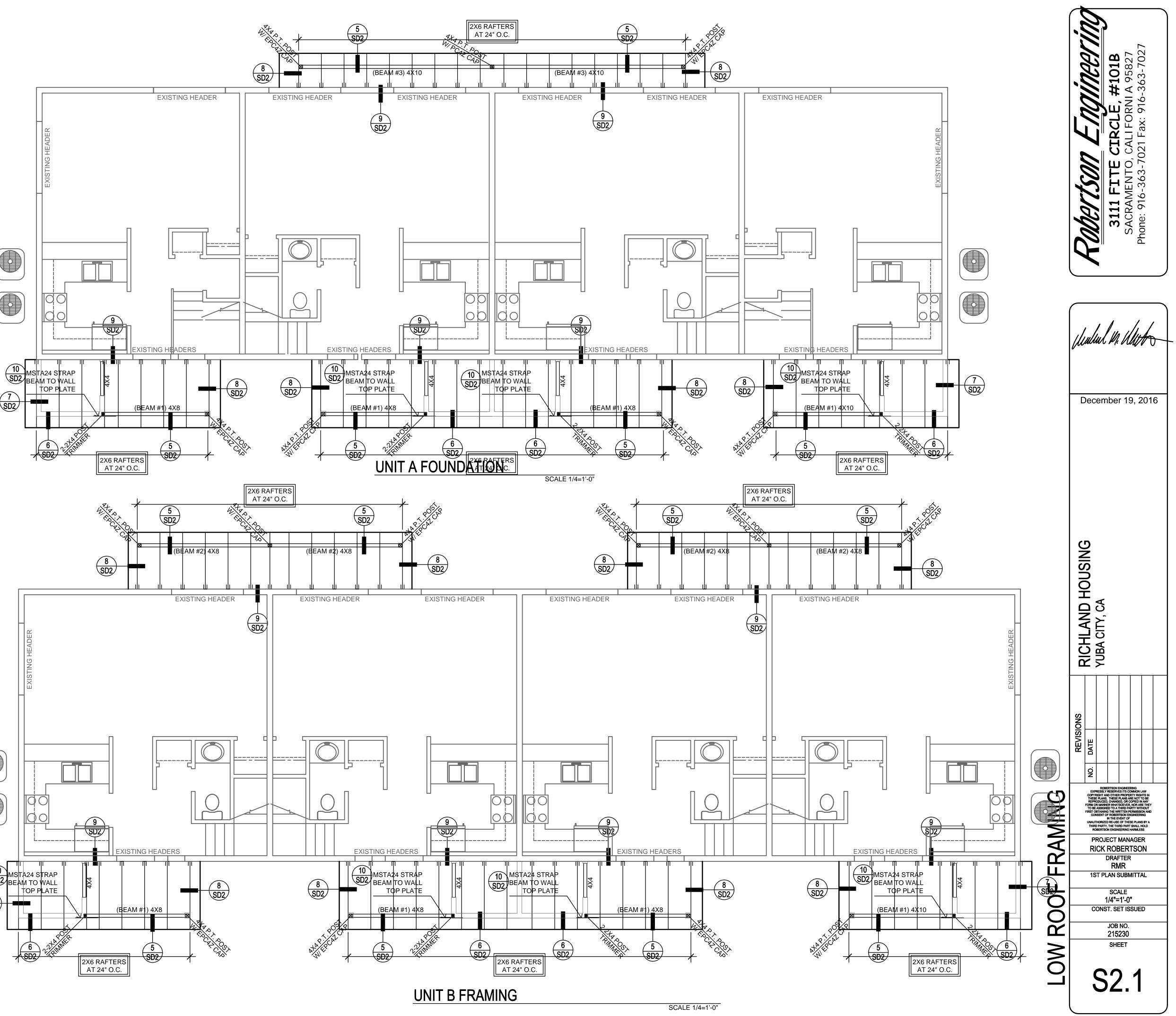
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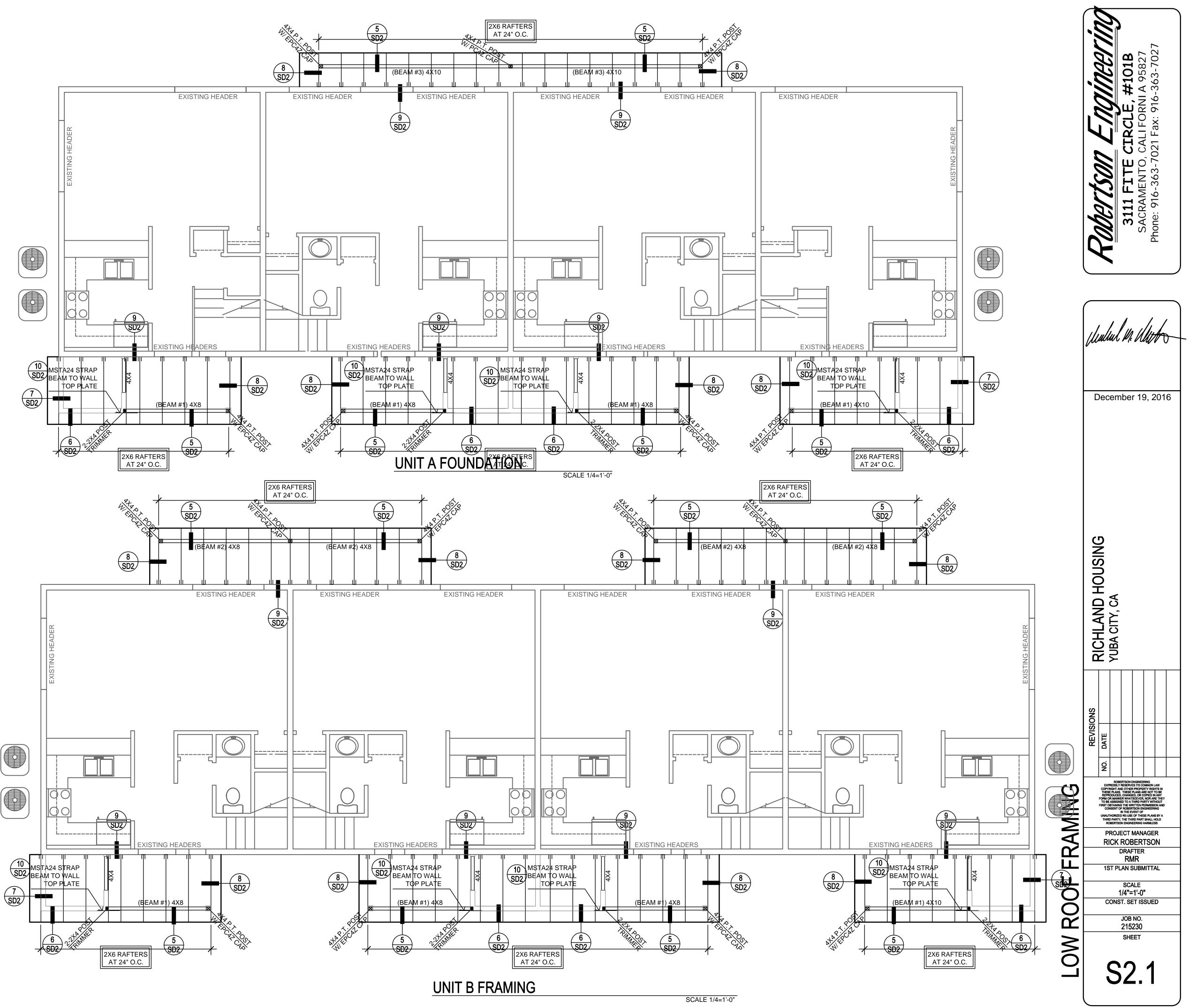
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ROOF SHEATHING

1/2-IN CDX (24/0) PLYWOOD OR EQUIVALENT O.S.B. STAGGER JOINTS & RUN PERPENDICULAR TO FRAMING. (USE CCX OR EQUIVALENT AT OVERHANGS OR WHERE EXPOSED)

NAIL WITH 8d's (COMMON) 6 IN. O.C. AT EDGES AND BOUNDARY, 12 IN. O.C. AT FIELD.





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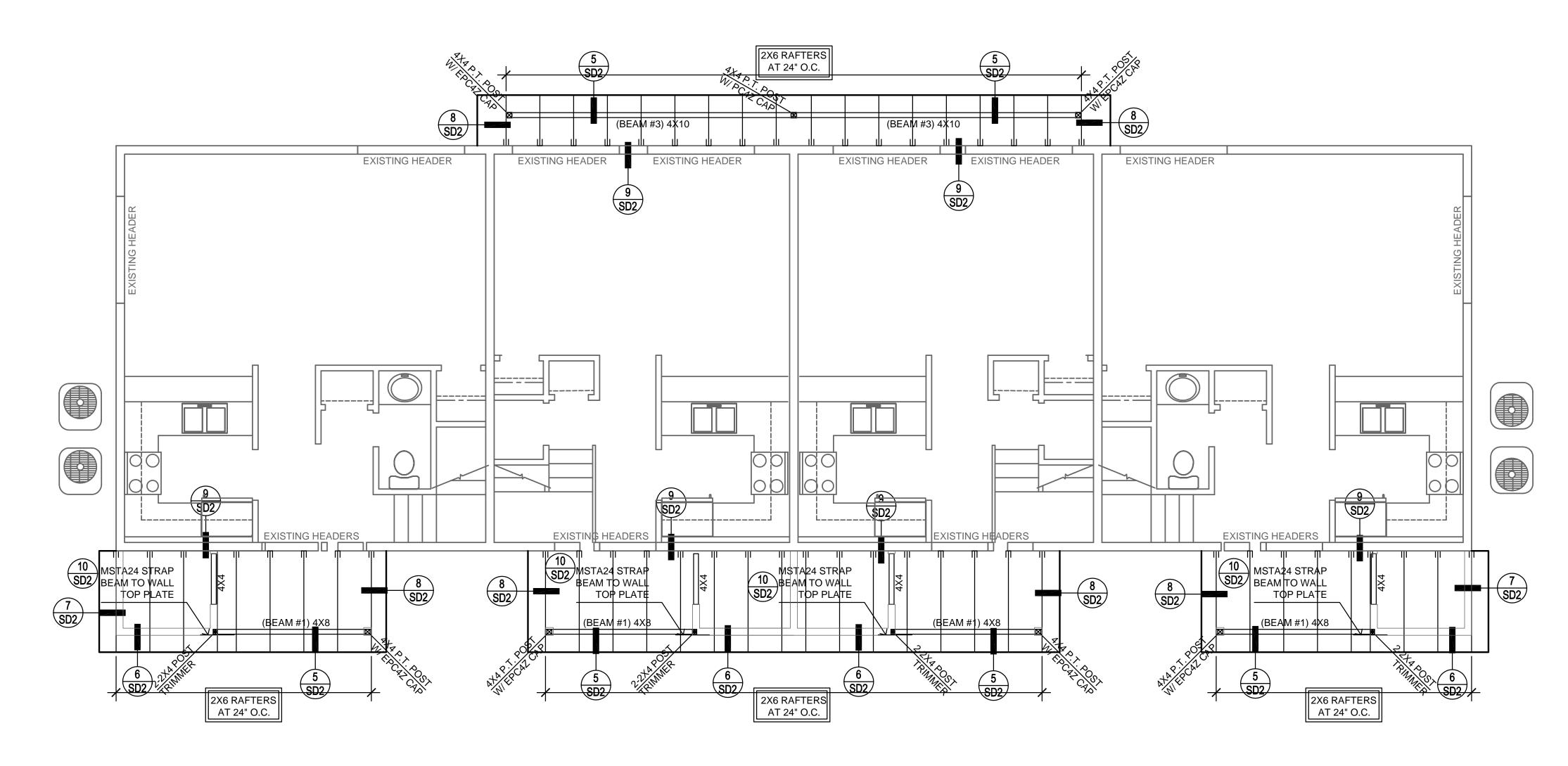
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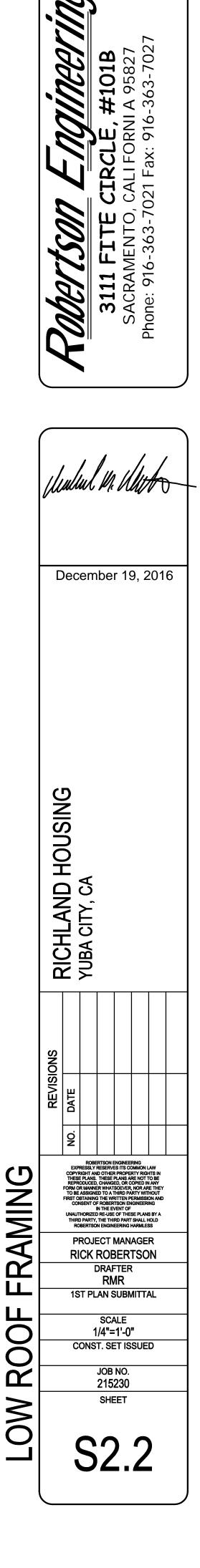
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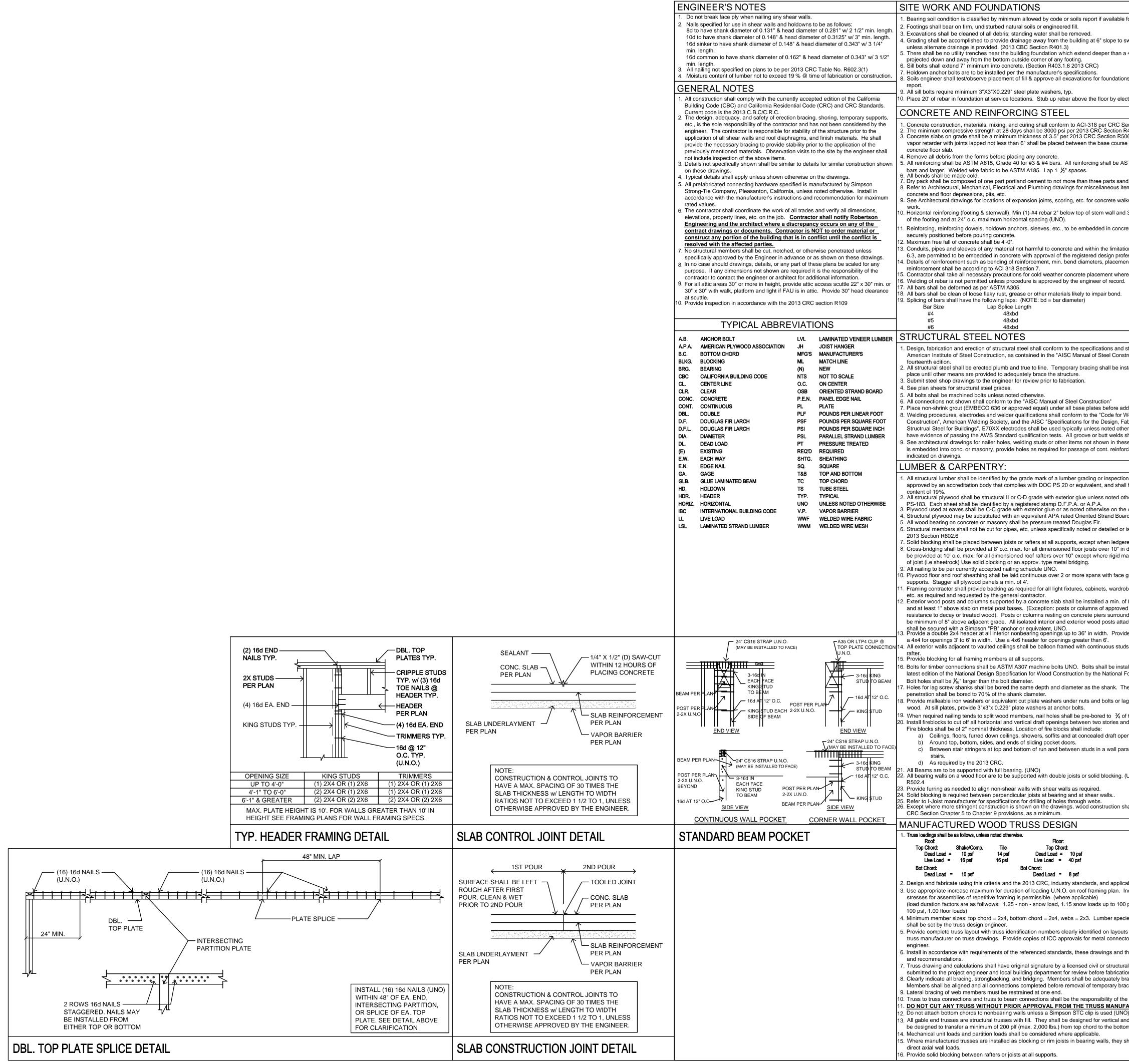
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UNIT C FRAMING

SCALE 1/4=1'-0"





le for project.	ТА	1	ASTENING SCHE	DULE NUMBER AND TYPE OF FASTENER ^{8,0,0}	SPA	CING OF ASTENERS		
I - I			ROOF	FASTENER 4, 9, 0	EACH F.	ASTENERS		
o swale for min. 10'	1	Blocking between joists or rafte	ers to top plate, toe nail	3-8d (2-1/2" X 0.113")				27
a 45 degree line	2	Ceiling joists to plate, toe nail		3-8d (2-1/2" X 0.113")				018 5827 3-703
<i></i>	3	Ceiling joists not attached to pa partition, face nail	arallel rafter, laps over	3-10d				95 95 63-
ons if required by soils	4	Collar tie rafter, face nail or 1 1	/4"X20 gage ridge strap	3-10d (3" X 0.128")				# < ∾
lectric service meter.	5	Rafter to plate, toe nail		2-16d (3-1/2" X 0.135")			$ $ $\mathbf{S} $	N 2 2
	6	Roof rafters to ridge, valley or l	hip ratters	4-16d (3-1/2" X 0.135")				
Section R404.1.2.3 R404.1.2.3.1		face nail	WALL	3-16d (3-1/2" X 0.135")				Fax Fax
506.1. A 6-mil polyethylene rse or subgrade and the	7	Built-up corner studs		10d (3" X 0.128")	24"	'O.C.		
	8	Built-up header, two pieces wit	h 1/2" spacer	16d (3-1/2" X 0.135")		along each edge		
ASTM A615, Grade 60 for #5	9	Continued header, two pieces	lian	16d (3-1/2" X 0.135") 4-8d (2-1/2" X 0.113")	16" O.C. :	along each edge		а 10 10 10 10 10 10 10 10 10 10 10 10 10
and. items to be cast into	10 11	ontinuous header to stud, toe nail ouble studs, face nail		10d (3" X 0.128")	24" O.C.			36 EN
alks, slabs, and other flat	12	Double top plates, face nail		10d (3" X 0.128")	24" O.C.			ſ L ≝ ^{\$}
nd 3" clear above the bottom	13	Double top plates, minimum 48-inch offset of end joints, face nail in lapped area		8-16d (3-1/2" X 0.135")				11 91
crete shall be accurately and	14	Sole, plate to joist or blocking, face nail		16d (3-1/2" X 0.135")	16" O.C.			3111 ACRA ine: 91
· · · · · · · · · · · · · · · · · · ·	15	Sole plate to joist or blocking at braced wall panels		3-16d (3-1/2" X 0.135")	16" O.C.			31 SAC Phone:
ations of ACI 318, Section of section	16	Stud to sole plate, toe nail		3-8d (2-1/2" X 0.113") or				<u>с</u>
nent and spacing of		Top or sole plate to stud, end nail		2-16d (3-1/2" X 0.135")	/			
ere required. d.	17 18	Top plates, laps at corners and intersections, face nail		2-16d (3-1/2" X 0.135") 2-10d (3" X 0.128")	,			
	10	1" brace to each stud and plate, face nail		2-10a (3" X 0.128") 2-8d (2-1/2" X 0.113")				
	20	1" X 6" sheathing to each beari	ng, face nail	2-8d (2-1/2" X 0.113")				
	21	1" x 8" sheathing to each bearing		2-8d (2-1/2" X 0.113")			(
	22	Wider than 1" x 8" sheathing to	0.	3-8d (2-1/2" X 0.113")			, /	1
d standard of the	23	Joist to sill or girder, toe nail	FLOOR	3-8d (2-1/2" X 0.113")			//ultur	M. Ulito
nstruction", nstalled and shall be left in	24	1" X 6" subfloor or less to each		2-8d (2-1/2" X 0.113")				-v • V
	25	2" subfloor to joist or girder, blin		2-16d (3-1/2" X 0.135")	0	10.0		
	26 27	Rim joist to top plate, toe nail (2" planks (plank & beam - floor		8d (2-1/2" X 0.113") 2-16d (3-1/2" X 0.135")		" O.C.		
adding vertical load.					Nail each I	ayer as follows		
r Welding in Building Fabrication and Erection of	28	Built-up girder and beams, 2-in	ch lumber layers	10d (3" X 0.128")	staggered. T	p and bottom and wo nails at ends each splice	Decen	nber 19, 2016
herwise, all welders shall s shall be ground smooth.	29	Ledger strip supporting joists o	r rafters	3-16d (3-1/2" X 0.135")		bist or rafter		
ese drawings. Where steel orcing bars where						FASTENERS		
						Intermediate		
tion agency that has been	ITEM	DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTEM	NER ^{b, c, e}	Edges ¹ (Inches)	Supports ^{c, e} (Inches)		
all have a maximum moisture			URAL PANELS, SUBFLOO	•				
otherwise and conform to	30	3/8" - 1/2"	MING AND PARTICLE BO/ 6d common (2" X 0.113") nail (su 8d common (2-1/2" X 0.131") nai	ubfloor wall) ¹	<u>ig i u fran</u> 6	12 ⁹		
he Architectural Plans. bard (O.S.B.)	31	5/16" - 1/2"	6d common (2" X 0.13") nail (su 8d common (2" X 0.113") nail (su		6	12 ⁹		
or is in conformance with CRC	32	19/32" - 1"	8d common (2-1/2" X 0.131")		6	12 ⁹		
jered.	33	1-1/8" - 1-1/4"	10d common (3" X 0.148") nail o 8d (2-1/2" X 0.131") deformed na	r ail	6	12		
in depth. Cross-bridging shall material is applied to bottom		1/2" structural cellulosic	OTHER WALL SHE 1-1/2" galvanized roofing nail, 7/					
aroin normandiaular ta	34	fiberboard sheathing	1" crown staple 16 ga., 1-1/4" lor	ng	3	6	NG I	
e grain perpendicular to robes, towel bars, handrails,	35	23/32" structural cellulosic fiberboard sheathing	1-3/4" galvanized roofing nail, 7/ 1" crown staple 16 ga., 1-1/2" lor	ng	3	6		
of 8" above exposed earth	36	1/2" gypsum sheathing ^d	1-1/2" galvanized roofing nail; sta 1-1/2" long; 1-1/4" screws, type \		7	7		
ved wood with natural unded by existing grade shall	37	5/8" gypsum sheathing ^d	1-3/4" galvanized roofing nail; sta 1-5/8" long; 1-5/8" screws, type \	aple galvanized, W or S	7	7	SUOH	
tached directly to concrete		WOOD STRUCTURAL	PANELS, COMBINATION		AYMENT TO	O FRAMING		
vide 2-2x4 header on edge or	38	3/4" and less	6d deformed (2" X 0.120") nail o 8d common (2-1/2" X 0.131") nai	r II	6	12	RICHLAND I YUBA CITY, CA	
uds to bottom chord of truss or	39	7/8"-1"	8d common (2-1/2" X 0.131") nai 8d deformed (2-1/2" X 0.120") na	il or ail	6	12	∥₹≧	
stalled in accordance with the	a 40	1-1/8" - 1-1/4"	10d common (3" X 0.148") nail o 8d deformed (2-1/2" X 0.120") na	r	6	12		
I Forest Products Association.	All nails	are smooth-common, box or deformed	I shanks except where otherwise stated erage bending yield strengths as shown	. Nails used for framing and		IJ		
The remaining depth of	_▶ 0.192 ind	ch (20d common nail), 90 ksi for shanl for shank diameters of 0.142 inch or le	c diameters larger than 0.142 inch but n	ot larger than 0.177 inch, and			℃ ≍	
lag screw heads that bear on	d Staples	are 16 gage wire and have a minimum		are 48 inches or greater				
of the nail diameter. and roof attic spaces.	Four-foo	t-by-8-foot or 4-foot-by-9-foot panels s of fasteners not included in this table	shall be applied vertically.					
penings not to exceed 10'.	For regio	ons having basic wind speed of 110 m g plywood and wood structural panel n	ph or greater, 8d deformed (2-1/2"x0.12 oof sheathing to framing within minimun	20) nails shall be used for n 48-inch distance from gable en	d			
arallel and adjoining run of	* walls, if i For regio	mean roof height is more that 25 feet, ons having basic wind speed of 100 m	up to 35 feet maximum. ph or less, nails for attaching wood strue	ctural panel roof sheathing to gal	ble		<u>S</u>	
	end wall	framing shall be spaced 6 inches on o of sheathing to intermediate supports	center. When basic wind speed is great shall be spaced 6 inches on center for n	er than 100 mph, nails for attach			REVISIONS	
. (UNO) per 2013 CRC	, Gypsom	sheathing shall conform to ASTM C 1	es on center to gable end wall framing. 396 and shall be installed in accordance	e with GA 253, Fiberboard sheat	hing		DATE	
	Spacing		edges applies to panel edges supported					
shall comply with the 2013	required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor						ġ	
		icular to the framing members need no er shall be supported by framing memb		er provisions of this code. Floor			ROE	ERTSON ENGINEERING
	\//IN	ID DESIGN DATA				ΝΠΔΤΔ	EXPRESSL COPYRIGHT A THESE PLAN: REPRODUCE	/ RESERVES ITS COMMON LAW ND OTHER PROPERTY RIGHTS IN 3. THESE PLANS ARE NOT TO BE D. CHANGED, OR COPIED IN ANY
				EARTHQUAKE DESIGN DATA he following earthquake design data was used:			FORM OR MANI TO BE ASSIG FIRST OBTAINI	VER WHATSOEVER, NOR ARE THEY VED TO A THIRD PARTY WITHOUT IG THE WRITTEN PERMISSION AND DF ROBERTSON ENGINEERING
	Ultimate Design Wind Speed: 110 mph (V _{ult}) (3-Second Gust)			N.A. Complies with	perscriptive	method	UNAUTHORIZI THIRD PART	IN THE EVENT OF ED RE-USE OF THESE PLANS BY A Y, THE THIRD PART SHALL HOLD
		ominal Design Wind Speed: 85 mph (V _{asd})						ECT MANAGER
icable ICC research reports. Increases in allowable	N	/ind Exposure Category: C /ind Importance Factor: 1.0						ROBERTSON
00 psf, 1.00 snow loads over	Risk Category: II Internal Pressure Coefficient: ±0.18							DRAFTER RMR
ecies and minimum grade		components and Cladding De					1ST P	LAN SUBMITTAL
uts and calculations. Specify								SCALE
ector plates used if required by	<u>A</u>	owing soils information was a Allowable Bearing Pressure:	1,500 psf					N.T.S.
d the manufacturer's details		Allowable Passive Pressure: Coeficient of Static Friction:	150 pcf 0.25				CONS	ST. SET ISSUED
ural engineer and shall be ation.		Reference:	ble 1806 2)					JOB NO.
braced during erection. racing.		CBC 2013, Section 1806, (Ta DW LOADS						215230 SHEET
the truss manufacturer.	The foll	owing snow load information	was used:					UNEC I
IFACTURER. NO).	<u> </u>	Ground Snow Load (P _o): Tat Roof Snow Load (P _t):	N.A. N.A.					
11		Snow Exposure Factor (C _a): Snow Load Importance Facto	N.A.					1 1
and lateral loads. They shall tom chord (UNO).								
		Thermal Factor (C _t):	<u>r (I):</u> N.A. N.A.					SD1

