STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

WF SHAPES, EXCEPT MOMENT FRAME GIRDERS:	A572, GRADE 50
MOMENT FRAME GIRDERS, PLATES U.N.O., CONNECTION PLATES, AND MISC.	A-36
PIPE COLUMNS	A-53, GRADE B
TUBE SECTIONS	A-500, GRADE B
BOLTS	A-325
BOLTS IN CONCRETE/MASONRY	A-307
ANGLES, CHANNELS, WT SHAPES	A-36"

- 2. BOLT HOLES USED IN STEEL SHALL BE 16° LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.
- 3. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1 LATEST REVISION) OF THE AMERICAN WELDING SOCIETY. SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS.
- 4. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION 9TH EDITION, SECTION 1.17.2.

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- 3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- 4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING

2010 CALIFORNIA BUILDING CODE REFERRED TO HERE AS "THE CODEAND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:

SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED

SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS NOT INDICATED ON OUR DRAWINGS. IF SHOWN ON OUR DRAWING SIZES ARE TO BE VERIFIED W/ ARCHITECTURAL DRAWINGS. ANY CONFLICT IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.

FLOOR AND ROOF FINISHES

MISCELLANEOUS DRAINAGE AND WATERPROOFING

DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS

6. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS

FOR MOTOR MOUNTS

- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, CONSTRUCTIONS, INSPECTION AND APPROVALS OF ALL SUCH SHORINGS. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 8. THE CONTRACT STRUCTURAL DRAWINGS SHOW THE BUILDING IN ITS FINAL INTENDED POSITION. CONTRACTOR SHALL MAKE PROVISIONS IN THE LAYOUT OF THE BUILDING TO TAKE INTO ACCOUNTS SHRIKAGE, CREEP, SHORTENING, ETC.,
- 9. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISIONS.
- 10. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.

SPECIAL INSPECTIONS

- 1. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1704 OF THE CODE ANY ADDITIONAL REQUIREMENTS STATED IN THESE DRAWINGS AND/OR THE PROJECT SPECIFICATIONS.
- 2. THE FOLLOWING ELEMENTS OF CONSTRUCTION SHALL HAVE PERIODIC INSPECTION BY A BUILDING INSPECTOR APPROVED BY BUILDING DEPARTMENT.

a) STRUCTURAL STEEL SINGLE—PASS FILLET WELDS < 5/16"

DESIGN LOADS

1. EARTHQUAKE LOADS ON PRIMARY STRUCTURE:

EARTHQUAKE LOADS ARE IN ACCORDANCE WITH SECTION 1613 OF THE CODE.

2. EARTHQUAKE LOADS ON NONSTRUCTURAL COMPONENTS:

Ip = 1.0 FOR ALL NONSTRUCTURAL COMPONENTS

EARTHQUAKE LOADS ON NONSTRUCTURAL COMPONENTS ARE DETERMINED PER ASCE 7-05, EQUASION 13.3-1. THE MAXIMUM AND MINIMUM VALUES FOR FP SHALL BE DETERMINED FROM

EARTHQUAKE LOADS ARE IN ACCORDANCE WITH SECTION 1613 OF THE CODE.

ASCE 7-05 EQUATIONS 13.3-2 AND 13.3-3, RESPECTIVELY. ALL EARTHQUAKE LOADS ON NONSTRUCTURAL COMPONENTS SHALL BE BASED ON

THE VALUES OF ap AND Rp FROM ASCE 7-05 TABLES 13.5-1 AND 13.6-1.

OCCUPANCY CATEGORY: II

MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_S = 2.658$ $S_1 = 0.973$

SITE CLASS: D

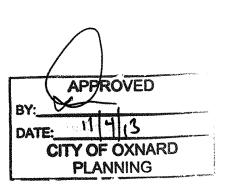
SPECTRAL RESPONSE COEFFICIENTS:

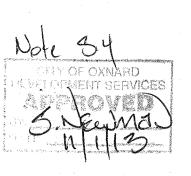
 $S_{DS} = 1.722$ $S_{D1} = 0.973$

SEISMIC DESIGN CATEGORY: D

FLOOD DESIGN DATA:

THE PROJECT IS NOT LOCATED WITHIN A FLOOD HAZARD AREA.





GENERAL

OXN

RIZON



KEYPLAN

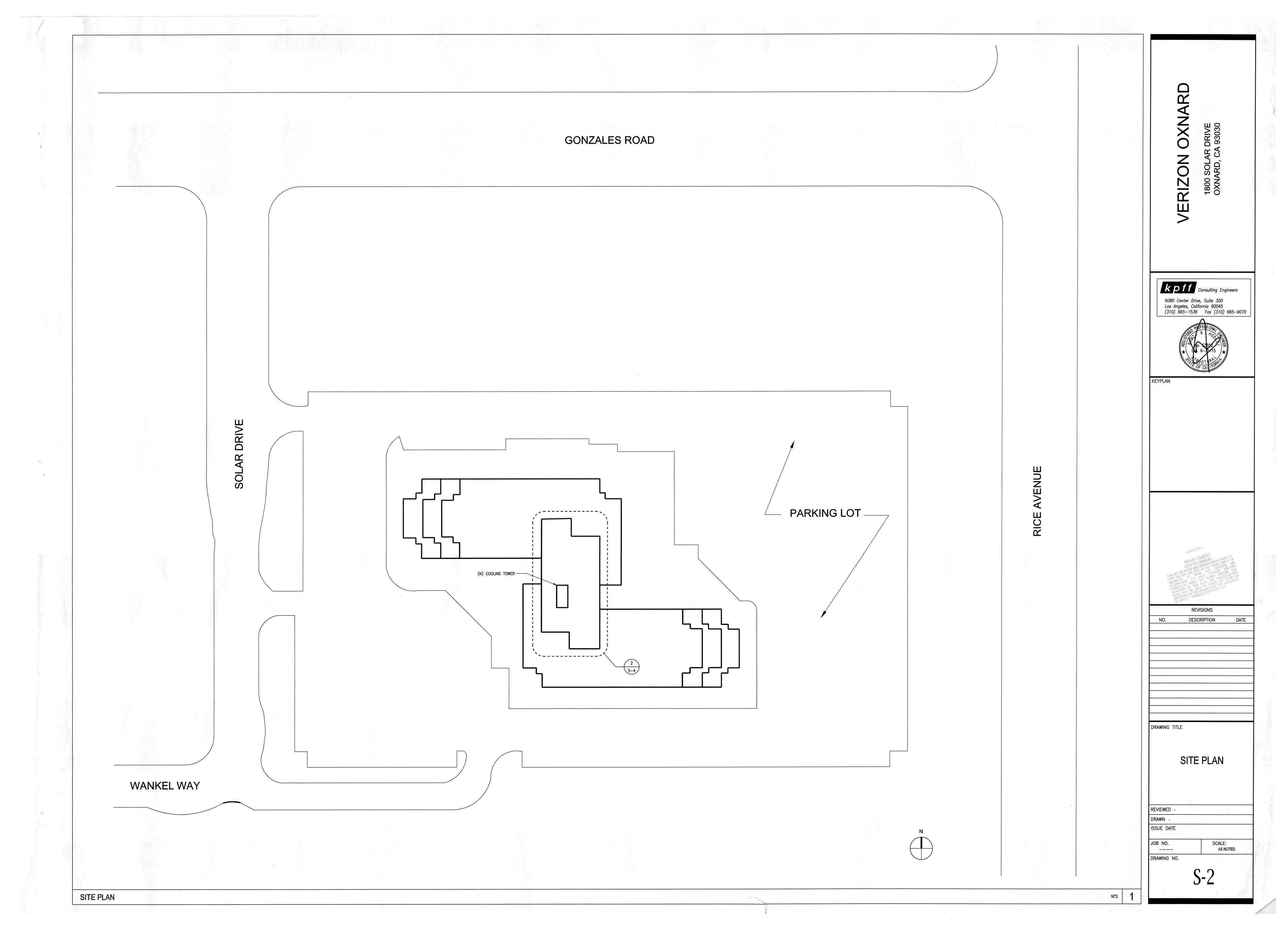


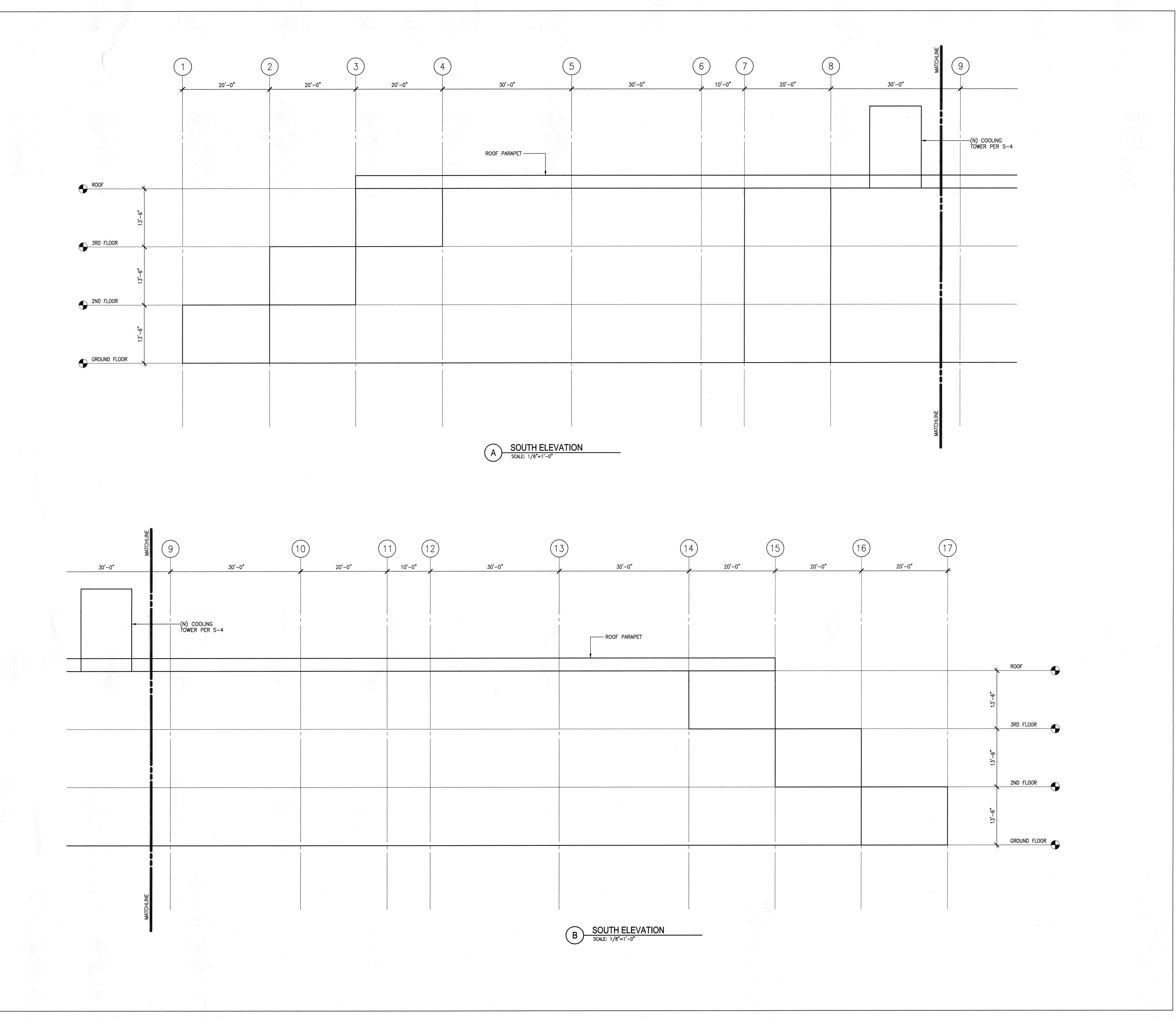


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REVIEWED -	
DRAWN -	
ISSUE DATE	
JOB NO.	SCALE:
DRAWING NO.	

A Transfer of the Control of the Con





VERIZON OXNARD

Kpff Consulting Engineers

6080 Center Drive, Suite 300
Los Angeles, California 90045
(310) 665–1536 Fax (310) 665–9070

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NO. DESCRIPTION DATE

DRAWING TITLE

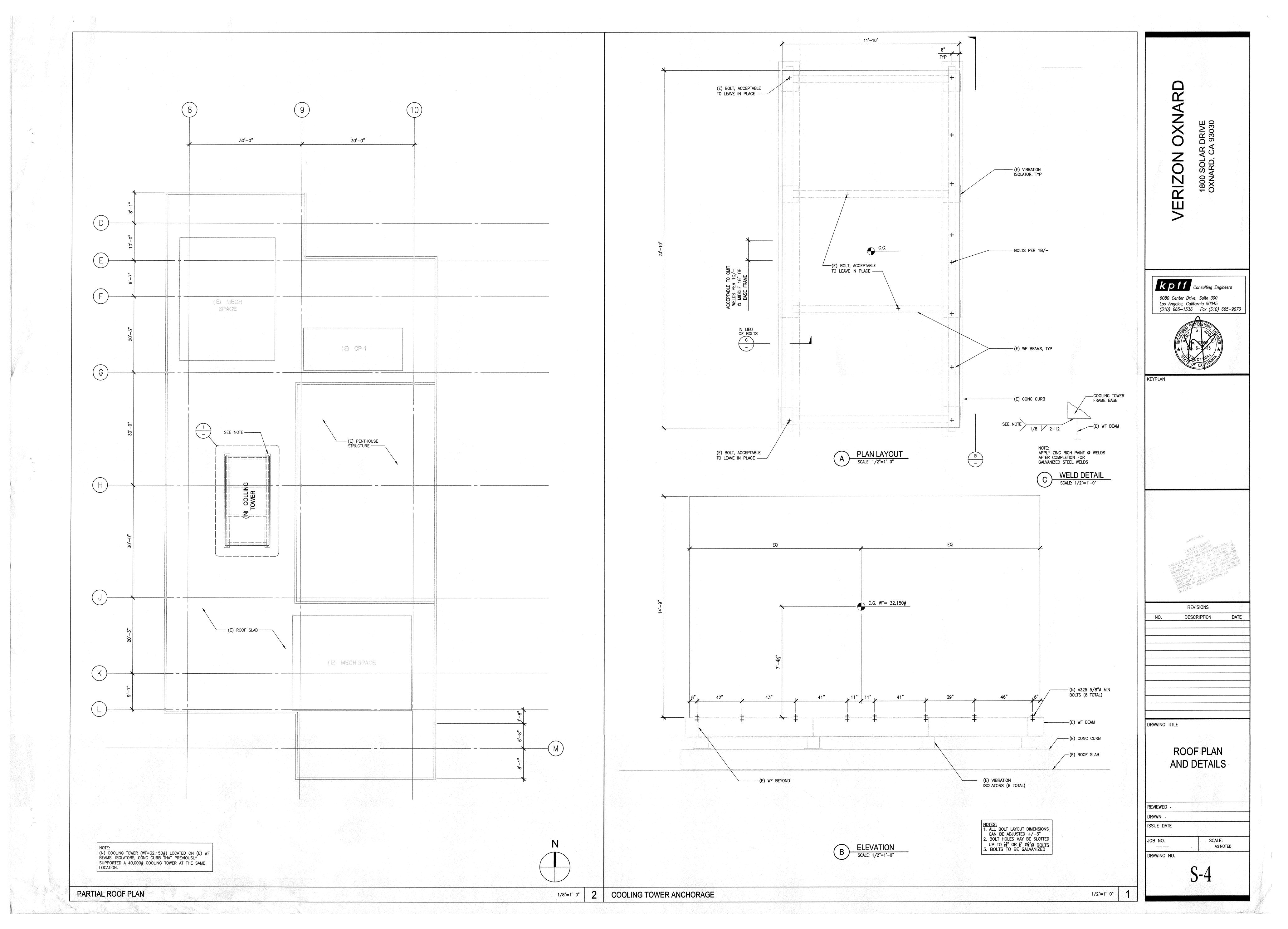
ELEVATIONS

REVIEWED DRAWN ISSUE DATE

JOB NO. SCALE:
AS NOTED

DRAWING NO.

S-3



Development Services Department

Building & Engineering Division 214 South "C" Street, Oxnard, CA 93030



FOR INSPECTIONS CALL (805) 247-8980 - 24 HOUR ADVANCE NOTICE

Application Number 09-00002070 Date 11/21/13

Property Address 1800 SOLAR DR

PARCEL NUMBER 213-0-070-045



LEGACT FRANTI - CODYNG TOWER

		AC UNIT REPLACEMENT WORK ONLY, COM, IND		
Owner		Contractor		
GENERAL TELEPHONE C FLAG PROPERTIES LES ONE GTE PL RC 3521	CO LESSEE SSOR	SWINTERTON BUILDER 865 S FIGUEROA ST LOS ANGELES	RS	
THOUSAND OAKS	CA 91362	(213) 896-3400		
Permit Additional desc Phone Access Code . Permit Fee	BUILDING PERMIT 1538966 46.50 11/21/13	Plan Check Fee Valuation		
Qty Unit Char	rge Per	,	Extension	
5.00 2.95		1C (>\$750-\$3K)		
Permit Additional desc Phone Access Code . Permit Fee	MECHANICAL PERM REPLACE SAME UN 1473941 46.50 11/21/13 5/20/14	Plan Check Fee Valuation	57.00 0	
	rge Per BASE FEE		Extension 46.50	
Special Notes and C REPLACE (E) COOLING SAME LOCATION USING CONNECTIONS.	Comments 3 TOWER UNIT W/(N) 3 SAME (E)			
Other Fees	DS ST DS IS DS IM PL GE PERMI	DOL PLAN REVIEW CHGS TATE GREEN BLDG FEE SUANCE FEE LAGING DOCUMENTS ENERAL PL MAINT. FEE TO CTR SURCHARGE PC TO CTR SURCHARGE LIP/SEISMIC FEE THEE BASE FEE	1.00 40.30 25.50 2.40 14.49	
Fee summary	Charged Pa	id Credited	Due	
Permit Fee Total Plan Check Total Other Fee Total Grand Total	171.00 1 211.00 2	71.00 .00 71.00 .00 11.00 .00 75.00 .00	.00 .00 .00 .00	
			ie box in each paragraph)	
1(a) I certify that I am licensed 1(b) I certify that I am exempt	under the State Contractor from Business and Profess	r's License Law and my contrac ions Code #7031.5 under: ☐ AND	ctor's license is in full force and effet #7044 - Owner/builder, 🏻 #7048	ect; or - Price of labor and materials less than \$300.
2(a) I certify that I have worker Insurer		Policy#		, or a Certificate of Consent
to self-insure by the Dir (b) I certify that I am exempt permit is issued, I shall no	rector of Industrial Relations under Labor Code #3800 b	s; or ecause: the permit is for w manner so as to become subj AND	ork of \$100 or less, or \(\square\) that in the increase to the workers' compensation (ne performance of the work for which the
I certify that I have read this applica	ation and declare under per	nalty of perjury that the informa	tion contained herein is true, corre- representatives of this city to enter	ct and complete. I agree to comply with all city upon the above mentioned property for r's full knowledge and consent.
Executed at City of Oxnard	Date	•	Owner/Contractor Authorized Sig	
PROJECT COMPLETE	D DATE: 12-0		INSPECTOR: Buc	Marin _
				days com date of issuance, or work is

INSPECTION RECORD

- FOR INSPECTIONS CALL (805) 247-8980 -24 Hours Advance Notice Is Required For All Inspections **POST THIS CARD IN A CONSPICUOUS PLACE**

N	ni	te	C
2 70		L 6	_

IVR			
CODE			
NO.	INSPECTION		INSPECTOR
	T COVER UNTIL ALL APPLICABLE SPACES HAVE BEEN	SIGNED	
	PLUMBING GROUNDWORK (SOIL)		
	SEWER WATER SERVICE		
	SAMPLE WELL/GREASE INTERCEPTOR		
	T PLACE CONCRETE UNTIL ALL APPLICABLE SPACES	HAVE BEI	EN SIGNED
	SETBACK INSPECTION: FRONT SIDE REAR		
	FOUNDATION		
	UFER GROUND		
	T PLACE CONCRETE UNTIL ALL APPLICABLE SPACES	HAVE BE	EN SIGNED
***************************************	WATER PIPING		
	UNDER SLAB ELECTRICAL CONDUIT		
	SLAB: REINFORCEMENT MEMBRANE		and the second s
113	POUR STRIP		
DO NO	T COVER UNTIL ALL APPLICABLE SPACES HAVE BEEN	SIGNED	
121	FLOOR NAIL		
	ROOF NAIL		
	ROOF TEAR OFF		
	PRE-ROOFING		
	PRE-WRAP EXTERIOR SHEAR PANEL NAILING		
	SHEAR PANEL NAILING		
	T COVER UNTIL ALL APPLICABLE SPACES HAVE BEEN	SIGNED	
	ROUGH FIRE SPRINKLER SYSTEM		
325	PLUMBING TOP OUT WATER TEST		
	T COVER UNTIL ALL APPLICABLE SPACES HAVE BEEN	SIGNED	
	ROUGH FRAMING STEEL FRAMING		
	ROUGH ELECTRICAL		
	ROUGH MECHANICAL		
330	ROUGH PLUMBING		
DO NO	T COVER UNTIL ALL APPLICABLE SPACES HAVE BEEN	SIGNED	
	INSULATION: CEILING U WALLS ROOF U		
	T PLASTER UNTIL INTERIOR AND/OR EXTERIOR HAVE	BEEN SIG	NED
152	INTERIOR: DRYWALL 🔲 LATH 🛄		
153	EXTERIOR: LATH 🔲 SIDING 🖸		
345	GAS TEST: PIPING ☐ SERVICE ☐		
	SWIMMING POOL/SPA		
510	PRE-GUNITE WITH REINFORCEMENT		
530	POOL DECK/BONDING		
1	ELECTRICAL CONDUIT		A0-740-11-11-11-11-11-11-11-11-11-11-11-11-11
	GAS PIPING/TEST		
535	ENCLOSURE/ALARM (BEFORE PLASTER IS APPLIED)		
	POOL PLUMBING SYSTEM		
	MISCELLANEOUS INSPECTIONS		
114	MASONRY REINFORCEMENT (BOND BEAM)	1	
	T-BAR LIGHT FIXTURES/ROUGH ELECTRICAL CEILING		
	T-BAR SUPPORT		, y ,
-	WINDOW REPLACEMENT		
· · · ·	FINAL CUPA		
	FIRE SPRINKLERS FINAL		
	FIRE ALARM FINAL		
	FIRE FINAL (OTHER)		
L	FINAL INSPECTIONS	<u> </u>	
Γ	FIRE FINAL (LIFE SAFETY)		
	FINAL PLANNING		
 	FINAL PLANNING FINAL PUBLIC WORKS		
 	FINAL PUBLIC WORKS FINAL PARKS		
 	FINAL SOURCE CONTROL		
	CITY BUSINESS LICENSES		
	BACKFLOW PREVENTION		
L	BUILDING CONSTRUCTION FINALS	<u> </u>	
205	FINAL ELECTRICAL (WITH POWER ON)		
	FINAL PLUMBING		
		9573	Bald -
		元元	
LIAD	UTILITIES CLEARANCES	4.3.73	- Anna Carrier
205			
	ELECTRICAL CLEARANCE APPROVED		
385	GAS CLEARANCE APPROVED	<u> </u>	
	PROJECT COMPLETE	5.13	51/

***************************************		······································	



FOR VERIZON BUILDING COOLING TOWER ANCHORAGE 1800 SOLAR DRIVE OXNARD, CA



KPFF JOB # 113335

October 18, 2013

	•	
Kpff	Consuiting	Engineers

6080 Center Drive, Suite 300 Los Angeles, CA 90045 (310) 665-1536 Fax (310) 665-9070

project VERIZON WIRELESS - OXNARD	by DLT	sheet no.
location OXNAPD, CA	date 9/30/13	
client GENSUES	job no.	
·	113335	

SEISMIL PAFAMETERS

REFER TO FOLLOWING PAGE:

Fp = 0.49p So, Wp (1+2=)

9p = 25

Fp= 1.722 Wp - LOVET-US

FPMAY = 1.6505 IWp = 2,76 Wp

Fp= 1/ 0.2505 Up= 1/- 0.344 Up



Design Maps Summary Report

Viser-Specified Input

Report Title Verizon Oxnard

Mon September 30, 2013 21:49:01 UTC

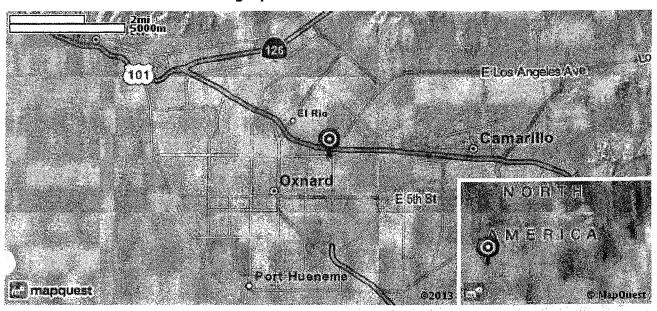
Building Code Reference Document ASCE 7-10 Standard

(which utilizes USGS hazard data available in 2008)

Site Coordinates 34.2176°N, 119.14368°W

Site Soil Classification Site Class D - "Stiff Soil"

Risk Category I/II/III



USGS-Provided Output

$$S_s = 2.658 g$$

$$S_{MS} = 2.658 g$$

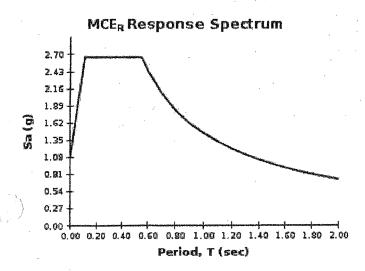
$$S_{DS} = 1.772 g$$

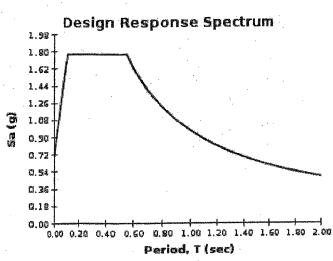
$$S_i = 0.973 g$$

$$S_{M1} = 1.459 g$$

$$S_{D1} = 0.973 g$$

For information on how the SS and S1 values above have been calculated from probabilistic (risk-targeted) and deterministic ground motions in the direction of maximum horizontal response, please return to the application and select the "2009 NEHRP" building code reference document.



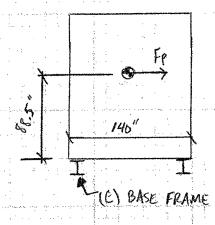


kpff	Consulting	Engineers

6080 Center Drive, Suite 300 Los Angeles, CA 90045 (310) 665-1536 Fax (310) 665-9070

project	by	sheet no.
location	date	5
client	job no.	

CHECK COOLING TOWER ANGISEAGE



WT= 32,150#

SHORT DIRECTION:

MRES = (0.9(32,150) - 11073+)140 = 1250 K.W

TOTAL M = 4900-1750 = 3650 K.IN

: T/c e Boils/WELDS = 3650 kin = 26.1 kips PER SIDE

LONG DIRECTION: My = 4900 #10

MRCS = (0,9(32,150)-11075) 286 = 2555 LIN

TOTAL M= 4900 - 2555 = 2345 4.W

The e QUAFTER POINTS

2345 km 16.4 KIPS PER 1/2 1286/2\ SIDE

SHEAR: 55,362# = 27.7 kips PER SIDE

* TOTAL: 100+30 EFFECTS:

BOLTS: TENSION: (26.1) 0.3 + (16.4) = 5.08 k/port

SHEAR: 127.7 1.3 = 4.5 14/BOLTS

E1202.771	project	by	sheet no.
K p f f Consulting Engineers 6080 Center Drive, Suite 300 Los Angeles, CA 90045 (310) 665-1536 Fax (310) 665-9070	location	date	4
	client	job no.	
			-

,	- 2			9 9 9	. :		
WELDS: LOOK	0.	1/2	OF	SIDE	LENGTH	of wel	DS:

(loot30 EFFOCTS)

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-BOTS TENGON:
$$(\frac{26.1}{2})0.3 + 16.4 = 20.3 + 1/4 SIDE$$

WELD SPENGTH. 1392 KIPS PER 16" THE WELD POR WHI LENGTH

TOTAL = (22" X1.42)2 = 61.2 K = STRENGTH 1/2 SIDE

CHECK BOLTS