		ABBREVIATIO	DNS (EQUIPMENT ANCHORAGE):			GEI	NERAL STRUCTURAL NOTES:
		CODES/INSTI	TUTIONS/ASSOCIATIONS_			DES	SIGN CRITERIA:
		ACI	AMERICAN CONCRETE INSTITUTE			CO	DE OF RECORD: 2013 EDITION, CA
		AF&PA	(NDS) AMERICAN FOREST & PAPER ASSOCIATION	I (NDS)			
		AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION			DES	<u>SIGN LOADS:</u>
		AISI	AMERICAN IRON AND STEEL INSTITUTE			ROO	JF LEVEL: D.L. = 19 PSF
		APA-EWA				FLC	JOR LEVELS D.L. = 41 PSF
		ASCE	AMERICAN SOCIETY FOR TESTING AND MATERIA	19		WIN	JD DESIGN METHOD PER ASCE 7-10 CHAP
		AWS	AMERICAN WELDING SOCIETY	120		BAS	SIC WIND SPEED
		CBC	CALIFORNIA BUILDING CODE			WIN	
		CRSI	CONCRETE REINFORCING STEEL INSTITUTE			WIN	ID EXPOSURE CATEGORY
		IBC	INTERNATIONAL BUILDING CODE			AN	ALYSIS PROCEDURE
		NDS	NATIONAL DESIGN SPECIFICATIONS			OC	CUPANCY CATEGORY
		SDI	STEEL DECK INSTITUTE			SEI	SMIC SITE CLASS
		SJI	STEEL JOIST INSTITUTE			SEI	SMIC DESIGN CATEGORY
		JOINIA	STELE STOD MANOI ACTORERS ASSOCIATION				
		SYMBOLS				LA	
		#	POUND, NUMBER, QUANTITY	LBS	POUNDS	RES	
		@	AT	LL	LIVE LOAD	DEF	
		<	LESS THAN	LLH	LONG LEG HORIZONTAL	SEI	SMIC BASE SHEAR (STRENGTH LEVEL). V
		>		LLV			
		± 。	PLUS OR MINUS	LOUS		1.	GENERAL NOTES AND TYPICAL DETAILS
		Ø	DIAMETER	LONG I TWT	LIGHTWEIGHT		DETAILS AND NOTES ON OTHER SHEETS
		2		2			DETAIL MARKS WITH "SIM" NOTED INDICA
		ABBREVIATIO	NS	MANUF	MANUFACTURER		CONDITION REFERENCED.
		AB	ANCHOR BOLT	MAX	MAXIMUM	0	
		ADDL	ADDITIONAL	MECH	MECHANICAL	۷.	NON READING DADTITIONS CONCRETE (
		ADJ	ADJACENT	MID	MIDDLE		GROOVES INSERTS FINISHES FTC ALS
	L	ALT	ALTERNATE	MIN	MINIMUM		NOT SHOWN ON STRUCTURAL DRAWING
		APPROX					DIRECTION PRIOR TO PROCEEDING WITH
		ARCH	ARCHITECT, ARCHITECTURAL	(IN) N/A			
		BLKG		N/A NTS		3.	DO NOT INSERT MECHANICAL, ELECTRIC
		BLKG	BEAM	NIS	NOT TO SCALE		PRIOR APPROVAL OF THE SEOR, TYPICA
		BOT	BOTTOM	OC	ON CENTER		EQUIPMENT BASES, ANCHOR BOLTS, ET
		BTWN	BETWEEN	OP	OPERATING		
						4.	OMISSIONS OR CONFLICTS BETWEEN TH
		CALCS	CALCULATIONS	PERP	PERPENDICULAR		SHALL BE BROUGHT TO THE ATTENTION
		CG	CENTER OF GRAVITY	PLF	POUNDS PER LINEAR FOOT	5	
		CL	CENTERLINE	PSI	POUNDS PER SQUARE INCH	0.	DIMENSIONS ALL DISCREPANCIES SHAL
		CLR		OTV			BE RESOLVED PRIOR TO PROCEEDING V
		CMU		QTY	QUANTITY		
		COL		REINE	REINFORCING	6.	ALL INFORMATION SHOWN ON THE DRAW
		CONN		REOD	REQUIRE REQUIRED		KNOWLEDGE, BUT WITHOUT GUARANTER
		CONT	CONTINUOUS				THEY SHALL BE REPORTED TO THE SEO
							CONSTRUCTION DETAILS SHALL NOT BE
		db	BAR DIAMETER (REBAR)	SCHED	SCHEDULE	7	
		DBL	DOUBLE	SEOR	STRUCTURAL ENGINEER OF RECORD	1.	
		DIA	DIAMETER	SIM	SIMILAR		DIRECT THE WORK AND SHALL BE SOLE
		DIAG	DIAGONAL	SMS	SHEET METAL SCREW		SEQUENCES AND PROCEDURES. INCLUE
		DIM	DIMENSION	SQ			MATERIALS, OBSERVATION VISITS TO TH
		DWG	DRAWING	55	STAINLESS STEEL		INCLUDE INSPECTIONS OF THE PROTEC
				STAGG	STAGGER STIELEN STIELENED		PERFORMED BY THE ARCHITECT/SEOR [
		(E) EA		STIRR	STIRRUP		DETAILED SPECIAL INSPECTION SERVICE
		FF	EACH FACE	STRUC	STRUCTURAL		BY THE ARCHITECT/SEOR, WHETHER OF
		ELEC	ELECTRICAL	SYM	SYMMETRICAL		COMPLETION OF CONSTRUCTION, ARE P
		EMBED	EMBED, EMBEDDED, EMBEDMENT	-			IN ACHIEVING CONFORMANCE WITH CON
	1	EOR	ENGINEER OF RECORD	T&B	TOP & BOTTOM		AND SHALL NUT BE CONSTRUED AS SUP
	1	EQ	EQUAL	THK	THICK, THICKNESS	Q	
шİ		EQUIP	EQUIPMENT	THRU	I HROUGH	0.	A STALE COURTIONS AND ALL STANDAR
<u>CE</u>		EW				9.	WHEN THE ALLOWANCE FOR SUBSTITUT
Æ		EXP		ITP	TYPICAL		DESIGN DRAWINGS BY THE USE OF THE
S	F	EAT	EXTERIOR		LINI ESS NOTED OTHERWISE		SEOR PRIOR TO FABRICATION OR INSTA
š		FDN		0110			
띵		FTG	FOOTING	VERT	VERTICAL	10.	SHOP DRAWINGS, INCLUDING CONCRET
Ш				VIF	VERIFY IN FIELD		SEOR FOR REVIEW PRIOR TO FABRICATI
AT		GA	GAUGE				SHALL BE PREPARED BY THE CONTRACT
		GALV	GALVANIZE	W/	WITH		BE REVIEWED IN EACH SUBMITTAL TO AL
<u>0</u>				W/O	WITHOUT		JUDGMENT OF THE ARCHITECT/SEOR TO
비		HEX	HEXAGONAL	WP			REVISION OF EACH STRUCTURAL DESIG
DA	1	ΠUKIZ	NUKIZUNTAL	VV I	VVĽIGNI		LATEST REVISION OF STRUCTURAL PLAN
μ		חו	INSIDE DIAMETER	STRUCTURA	STEEL SHAPES		RESUBMIT. THE DETAILING ON EACH SH
Ъ		INFO	INSIDE DIAMETER	<u>Cx</u>	STANDARD CHANNEI		SUBMITTAL CONTAINING THAT SHOP DR/
Ŕ	1	IOR	INSPECTOR OF RECORD	HSS	HOLLOW STRUCTURAL SECTIONS		AND/OR ADDITION TO EACH SHOP DRAW
Ā				Lx	ANGLE		REVIEW.
8		K	KIPS (1000#)	MCx	MISCELLANEOUS CHANNEL		
<u> </u>		KB3	HILTI KWIK BOLT 3 (ANCHOR)	Mx	M SHAPES	11.	SHUP DRAWINGS AND CONCRETE MIX D
S		KB-TZ	HILTI KWIK BOLT TZ (ANCHOR)	STD PIPE	STANDARD PIPE		
Ξ		KSF	KIPS PER SQUARE FOOT	Sx	S SHAPES		
띵		KSI	KIPS PER SQUARE INCH	WTx, STx	STRUCTURAL TEES		
\leq				Wx	W SHAPES		WITHOUT REVIEW.
RT	1			X-SIRG			
Ш				77-9160		12.	DIMENSIONS SHALL GOVERN OVER SCAI
\sim							

ALIFORNIA BUILDING CODE

L.L. = 20 PSF (REDUCIBLE) SL = 30 PSF
L.L. = 60 PSF (REDUCIBLE)
ER 28, PART 2
115 MPH
1.00
C
EQUIVALENT LATERAL FORCE
2
D
D
$S_{c} = 2.053 \text{ g}$, $S_{cc} = 1.368 \text{ g}$
$S_4 = 0.686 g$, $S_{D4} = 0.686 g$
ORDINARY STEEL MOMENT RESISTING FRAME
1.0
35
30
0.391 W
0.00111

SHALL APPLY TO ALL PARTS OF THE JOB, EXCEPT WHERE THEY MAY DIFFER WITH S, IN WHICH CASE THE DETAILS AND NOTES ON OTHER SHEETS SHALL GOVERN. ATES THAT DETAIL CONTAINS MODIFIED INFORMATION APPLICABLE TO THE

SIZE AND LOCATION OF ALL OPENINGS (EXCEPT AS NOTED), INTERIOR CURBS, FLOOR DRAINS, SLOPES, DEPRESSIONS, CHANGES IN LEVEL, CHAMFERS, SO FOR STAIR FRAMING AND DETAILS (EXCEPT AS SHOWN) AND FOR DIMENSIONS GS. WHERE DIMENSIONS DIFFER BETWEEN PLANS, NOTIFY ARCHITECT AND AWAIT H WORK.

CAL OR PLUMBING (MEP) SLEEVES, PIPES OR CONDUIT IN CONCRETE WITHOUT L UNLESS NOTED OTHERWISE ON PLAN. THE SIZE AND LOCATION OF MACHINE OR C., SHALL COMPLY WITH THE REQUIREMENTS OF CBC SECTION 1906.3.

HE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS N OF THE SEOR PRIOR TO PROCEEDING WITH ANY WORK INVOLVED.

IBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL L BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE SEOR AND SHALL WITH THE WORK.

WINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST CURRENT E OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, OR SO THAT THE PROPER REVISION MAY BE MADE. MODIFICATIONS OF E MADE WITHOUT WRITTEN APPROVAL OF THE SEOR.

FICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE TION, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SUPERVISE AND LY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, DING BUT NOT LIMITED TO BRACING, SHORING AND LAYDOWN OF CONSTRUCTION HE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/SEOR SHALL NOT TIVE MEASURES OF THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND ES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED F MATERIAL OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND NTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE, PERVISION OF CONSTRUCTION.

RDS REFER TO THE LATEST AMENDMENTS.

TION OF A SPECIFIED MATERIAL OR PRODUCT DESIGNATION IS IMPLIED ON THE WORDS "OR APPROVED EQUAL", APPROVAL SHALL BE OBTAINED FROM THE ALLATION OF THE SUBSTITUTED MATERIAL OR PRODUCT.

E MIX DESIGNS, REQUIRED BY THE SPECIFICATIONS SHALL BE SUBMITTED TO THE ION OR USE. A SCHEDULE FOR THE RELEASE OF SHOP DRAWING SUBMITTALS TOR AND REVIEWED BY THE ARCHITECT/SEOR PRIOR TO THE START OF SUBMITTAL SCHEDULE SHALL PROPORTION THE NUMBER OF SHOP DRAWINGS TO LLOW SUFFICIENT TIME AS DEEMED REASONABLE IN THE PROFESSIONAL) PERMIT ADEQUATE REVIEW. SHOP DRAWINGS SHALL REFERENCE THE LATEST IN DRAWING USED TO DETAIL FROM. SUBMITTALS THAT DO NOT IDENTIFY THE NS SHALL BE RETURNED WITHOUT REVIEW. FOR THE DETAILER TO UPDATE AND HOP DRAWING SHALL BE COMPLETE BEFORE RELEASING FOR REVIEW THE AWING. IF THE SUBMITTAL MUST BE REVISED, IT SHALL IDENTIFY EACH REVISION VING BY CLOUDING OR OTHER MEANS, TO ENSURE THEIR IDENTIFICATION FOR

DESIGNS WILL NOT BE ACCEPTED BY THE SEOR DIRECTLY FROM THE PROJECT AND CONCRETE DESIGN MIXES WILL BE ACCEPTED FROM THE GENERAL BEEN REVIEWED AND SIGNED BY THE GENERAL CONTRACTOR, INDICATING AND THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. SHOP INSTRUCTIONS IN BOTH NOTES 10 AND 11 WILL BE RETURNED BY THE SEOR

LES SHOWN ON DRAWINGS.

13. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS WHO SHALL PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION WHEN SO SPECIFIED ON THE CONTRACT DRAWINGS AND SPECIFICATIONS FOR CERTAIN TYPES OF WORK. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE HIS COMPETENCE, TO THE SATISFACTION OF THE GOVERNING AGENCY, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE SEOR AND TO THE GOVERNING AGENCY. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE SEOR AND TO THE GOVERNING AGENCY. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISION OF THE CODE AND OTHER APPLICABLE REGULATIONS IDENTIFIED ON THE PLANS OR IN THE PROJECT SPECIFICATIONS.

14. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER (BEAM, COLUMN, SHEARWALL, GRADE BEAM, ETC.) SHALL BE CUT, DRILLED OR NOTCHED WITHOUT PRIOR AUTHORIZATION FROM THE SEOR.

STRUCTURAL AND MISCELLANEOUS STEEL:

- 1. ALL STEEL SHALL CONFORM TO A.S.T.M. A36, UNLESS OTHERWISE NOTED.
- 2. ALL STRUCTURAL FRAMING SHALL BE IN ACCORDANCE WITH THE LATEST A.I.S.C. STANDARDS, EXCEPT AS NOTED OR SHOWN.
- 3. UNLESS OTHERWISE NOTED ALL CONNECTIONS SHALL BE MADE WITH $\frac{3}{4}$ "Ø BOLTS CONFORMING TO ASTM DESIGNATION A325, FRICTION TYPE.
- 4. ALL BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS, UNLESS OTHERWISE NOTED.
- 5. ALL WELDING SHALL BE PERFORMED BY WELDERS AS PER STRUCTURAL WELDING CODE A.W.S. D1.1 AND MODIFIED BY 2009 EDITION, INTERNATIONAL BUILDING CODE.
- 6. STEEL TUBES SHALL CONFORM TO A.S.T.M. A500 GRADE B. FY = 46 KSI.
- 7. COLD FORM FRAMING SHALL CONFORM TO THE SPECIFICATIONS OF MMSA ICBO #4943, INCLUDING SIZES AND MATERIAL SPECIFICATIONS.

STRUCTURAL AND MISCELLANEOUS ALUMINUM:

FOR THE TYPE OF WELDING TO BE PERFORMED.

1. ALL STRUCTURAL AND MISCELLANEOUS ALUMINUM SHALL COMPLY WITH AA ASM 35 AND AA ADM 1. ALL STRUCTURAL AND MISCELLANEOUS ALUMINUM SHALL CONFORM TO GRADE 6061 - T6, FY = 25 KSI

- 2. ALUMINUM SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND SEOR FOR REVIEW PRIOR TO
- FABRICATION AND ERECTION, IN ACCORDANCE WITH NOTES 10 AND 11 OF GENERAL STRUCTURAL NOTES. 3. ALL WELDING SHALL COMPLY WITH AA ASM 35 AND AA ADM 1AND SHALL BE PERFORMED BY WELDERS CERTIFIED
- 4. ALL FIELD WELDING SHALL BE DONE BY EITHER GAS TUNGSTEN ARC (TIG) OR GAS METAL ARC (MIG) WELDING PROCESS. WHERE SHEET HAS BEEN ANODIZED, THE ANODIC COATING SHALL BE REMOVED IN THE WELD AREA PRIOR TO WELDING. OXYFUEL-GAS WELDING SHALL BE DONE UNDER SHOP CONDITIONS AND FLUX RESIDUE SHALL BE COMPLETELY REMOVED. ALL WELDING SHALL CONSIST OF 5183, 5356, 5556, 4043, 5554, OR 5654 ALLOY FILLER WIRE.
- 5. CONTINUOUS SPECIAL INSPECTION BY A CERTIFIED INSPECTOR APPROVED BY THE GOVERNING AGENCY IS REQUIRED FOR ALL STRUCTURAL WELDING, UNO. (WELDING OF 1/8" THICK SHEET METAL TO SUPPORTS DOES NOT REQUIRE SPECIAL INSPECTION. CARE SHALL BE TAKEN DURING THIS WELDING AS NOT TO DAMAGE OR LEAVE MARKS ON THE 1/8" THICK SHEETS)
- 6. ALL WELDING DONE IN THE SHOP OF A LICENSED ALUMINUM FABRICATOR SHALL REQUIRE CONTINUOUS INSPECTION BY A CERTIFIED INSPECTOR APPROVED BY THE GOVERNING AGENCY.

STEEL WELDING:

- 1. WELD DAMS ARE NOT ALLOWED.
- 2. FIELD WELDS SHALL BE **SMAW** OR **FCAW** WITH GAS SHIELDING. **SAW** MAY BE USED FOR SHOP WELDING. WELD FILLER MATERIAL:
- A. THE WELD FILLER METAL AND ASSOCIATED WELDING PROCESS FOR ALL TUBE FRAME HORIZONTAL WELDS SHOWN ON DETAIL 1/S3 SHALL BE ANY OF THE FOLLOWING:
- E71T-8, E70T-6, OR E70TG-K2 FOR FCAW.
- E7XT-1 FOR FLUX CORED ARC WELDING (FCAW) WITH GAS SHIELDING.
- E7018 STICK ELECTRODE FOR SHIELDED METAL ARC WELDING (SMAW).
- E7A2-EXXX FOR SUBMERGED ARC WELDING (SAW).
- B. THE WELD FILLER METAL FOR ALL TUBE FRAME WELDS SHALL BE SATISFIED BY EITHER E71T-8, E70T-6, OR E70TG-K2 FOR SELF-SHIELDED FCAW, OR BY E7018 FOR SMAW.
- THE WELD FILLER METAL USED FOR ALL TUBE FRAME WELDS FILLET WELDS AND CJP GROOVE WELDS SHALL DEMONSTRATE AN ENGERY EQUIVALENT TO A MINIMUM CVN TOUGHNESS OF 20 FT-LBS. IMPACT STRENGTH AT A TEMPERATURE OF -20°F.
- 4. ALL WELD FILLER METAL SHALL SATISFY A MAXIMUM DIFFUSABLE HYDROGEN CONTENT REQUIREMENT OF LESS THAN 13 MILLILITERS OF HYDROGEN PER 100 GRAMS OF WELD METAL.
- 5. MINIMUM PREHEAT AND INTERPASS TEMPERATURES SHALL BE AS SHOWN IN TABLE 4.2 OF AWS D1.1. THE FABRICATOR SHALL PREPARE AND SUBMIT TO THE STRUCTURAL ENGINEER
- 6. A WELDING PROCEDURE SPECIFICATION (WPS) FOR THIS PROJECT (AND A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL INFORMATION TO CONFIRM THE PARAMETERS LISTED IN THE WPS.) THE WPS SHALL FOLLOW THE REQUIREMENTS OF AWS D1.1 AND SPECIFY, AT A MINIMUM, THE FOLLOWING:
- PROCEDURE IDENTIFICATION
- BASE METAL IDENTIFICATION
- WELDING PROCESS
- TYPE OF WELD
- POSITION OF WELDING
- FILLER METAL SPECIFICATION
- FILLER METAL CLASSIFICATION
- NUMBER OF PASSES (SINGLE OR MULTIPLE)
- WELDING CURRENT
- WELDING POLARITY
- PRE-HEAT AND INTERPASS TEMPERATURES

WELDING PARAMETERS (ELECTRODE DIAMETER, AMPERAGE RANGE, VOLTAGE RANGE, TRAVEL SPEED RANGE, WIRE FEED SPEED RANGE, AND ELECTRODE STICKOUT)



INSPECTIONS:

- 1. WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS UNDER THE SUPERVISION OF A SPECIAL INSPECTOR OR IN THE SHOP OF AN APPROVED FABRICATOR.
- 2. A CERTIFICATE OF FABRICATION FROM THE SHOP PERFORMING THE WELDING OR A REPORT FROM THE SPECIAL INSPECTOR MUST BE FURNISHED TO THE JOB INSPECTOR PRIOR TO FRAMING APPROVAL.
- CONTINUOUS INSPECTION BY A SPECIAL INSPECTOR SHALL BE PROVIDED DURING INSTALLATION OF DRILLED-IN CONCRETE ANCHORS TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, PREDRILLED HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE.







PLAN VIEW - B FORMLO

DECK PROPERTIES						
DECK TYPE		+S	-S			
B FORMLOK	0.216	0.235	0.248			

YPICAL FLOOR AND ROOF DECK (WHERE NOTED ON PLANS):

- 1 1/2" METAL ROOF DECK SHALL BE BHP TYPE B-36, VERCO TYPE HSB-36, 22 GAGE ROOF DECK (PER ICC ESR-1735P) OR APPROVED EQUAL.
- 1 1/2" METAL FLOOR DECK SHALL BE BHP TYPE B-36 FORMLOK, VERCO B36 FORMLOK, 22 GA. FLOOR DECK (PER ICC ESR-1735P) OR APPROVED EQUAL.
- TYPICALLY DECKING SEAMS SHALL BE BUTTON PUNCHED AT 12"OC AT ROOF AND 24"OC AT FLOOR. #10 TEK SCREWS MAY BE USED IN LIEU OF BUTTON PUNCH AT SAME SPACING.
- DECKING SHALL BE PUDDLE WELDED AT LONG SIDES (MARK A ON DIAGRAM ABOVE) AND PARALLEL SUPPORTS AT 12"OC (ALTERNATE HILTI X-EDN19 THQ12 SHOT PINS AT 12"OC SCREWS @ 12"OC OR HILTI EDN19 THQ12 HSN SHOT PINS)
- DECKING SHALL BE PUDDLE WELDED AT SHORT SIDES (MARK B ON DIAGRAM ABOVE) AND PERPENDICULAR SUPPORTS PER PLAN VIEW ABOVE. (ALTERNATE HILTI X-EDN19 THQ12 SHOT PINS PER PLAN ABOVE AT FLOOR; #10 TEK SCREWS PER PLAN ABOVE AT ROOF). DECKING AT PERPENDICULAR SUPPORTS ONLY NEEDS TO OCCUR AT 4'-0" MAX SPACING.
- METAL DECK SHALL CONFORM TO ASTM A446.

NONE

- METAL DECK SHALL BE GALVANIZED (G 60 MIN).
- PROVIDE SOLID BLOCKING AT PERIMETER OF OPENINGS AT ROOF.
- METAL DECK SHALL BE CONTINUOUS OVER TWO SPANS MINIMUM.

FLOOR AND ROOF DECK WELDING SCALE:









HOCK GROUD HEALTHCARE ARCHITECTURE & PLANNING 1125 CAMINO DEL MAR DEL MAR, CALIFORNIA 125 CAMINO DEL MAR DEL MAR, CALIFORNIA 125 CAMINO DEL MAR DEL MAR, CALIFORNIA 125 CAMINO DEL MAR 125 CAMINO DEL MAR 120014-2645 12004-2004 12004 12004 12004 1000 1000 1000 10					
		NORTHBAY MEDICAL CENTER Del Mar, Suite 109 Ex. 85 NE TE: TE: TE: TE: TE: TE: TE: TE	TOSHIBA VANTAGE-TITAN 1.5T MRI SUITE	1200 B GALE WILSON BLVD.	LAIRFIELD, CA 94533

DATE | ISSUE DESCRIPTION

03/20/14 PLAN CHECK SUBMITTAL

STRUCTURAL NOTES AND

Sheet Title

ABBREVIATIONS

Project No.: 13105

Drawn By: SMA

Scale:

Date:

4

Checked By: PC / RLB

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SHEETS

AS NOTED

03/07/14



REPRODUCED, OR PUBL , DESIGNS, AND INFORMATIOI L PATENTABLE MATERI THE DRAWINGS, I OF H.C.G. ALL H.\2014\140088\3

I				HOCK
		FRAMING SYMBOLS		
	SYMBOL	DESCRIPTION	DETAIL OR NOTE	GROUP
	4556161318	STEEL COLUMN AT THIS LEVEL	NONE	HEALTHCARE ARCHITECTURE & PLANNING
	W12x25	STEEL BEAM SIZE & SPAN	NONE	DEL MAR, CALIFORNIA 92014-2645 TEL: 858-259-5109 FAX: 858-259-5152
	<u> </u>	DIRECTION AND/OR TYPE OF METAL DECK PER PLAN, DETAIL OR DECK SCHEDULE	<u>1/S-1</u>	PROFESSIONAL SEAL
EGARDING THE PROJECT		OPENINGS AND/OR ACCESS HATCHES IN FLOOR OR ROOF, SEE ARCH/MECH DRAWINGS	SEE NOTE A	PAUL WESLEY HOCK No. C-11571
SLOPES NOT SHOWN		MECHANICAL UNIT AS OCCURS PER MECHANICAL AND/OR ARCHITECTURAL DRAWINGS	SEE NOTE B	Renewal Date: 5/31/15
STUD WALL FRAMING,				
TIONS		NOTES		
	A. SEE ARCHITECTURAL AN	ID MECHANICAL DRAWINGS FOR PREC		
	LOCATIONS OF FLOOR A	ND ROOF PENETRATIONS.		
F THE MRI AND ALL ONS AND ORIENTATION IPMENT MOUNTING	B. SEE ARCHITECTURAL AN LOCATIONS OF MECHAN	ID/OR MECHANICAL DRAWINGS FOR PI ICAL UNITS.	RECISE SIZE AND	HEALTHCARE FACILITY DESIGN AND CONSTRUCTION 1125 Camino Del Mar, Suite "G" Del Mar, California 92014-2645 Ph. 858-259-5109 Fx. 858-259-5152 www.hcco-online.com
4 C = 28'-0" TYP AT INTERIOR COLS 9 S-4 HSS10+6	12'-0" 2'-3	5 3" 3" 5 5-4 CORNER		K BUILDING FOR MEDICAL CENTER E-TITAN 1.5T MRI SUITE E WILSON BLVD. E LD, CA 94533

3900 Cover Street Long Beach, CA 90808 562.985.3200 P 562.985.1011 F

S-2 4 SHEETS

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REVISIONS

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TAG: DATE: REASON:

DATE ISSUE DESCRIPTION

03/20/14 PLAN CHECK SUBMITTAL

Sheet Title

FLOOR FRAMING PLAN

Project No.: 13105

Drawn By: SMA

Scale:

Date:

OF OF

Checked By: PC / RLB

1/4" = 1'-0"

03/07/14

NOR OSHIBA V



ROOF FRAMING PLAN SCALE: 1/4" = 1'-0"



