I. GENERAL

- A. DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, ENGINEER OR CONSTRUCTION MANAGER SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
- B. HOLES AND OPENINGS THROUGH WALLS AND FLOORS FOR DUCTS, PIPING AND VENTILATIONS SHALL BE COORDINATED BY THE CONTRACTOR WHO SHALL VERIFY SIZES AND LOCATION OF SUCH HOLES OR OPENINGS WITH THE MECHANICAL, PLUMBING, AND

ELECTRICAL DRAWINGS AND THESE SUB-CONTRACTORS.

- NO PIPES OR DUCTS SHALL BE EMBEDDED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.
- D. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: KINDS OF FLOOR FINISH AND THEIR LOCATION, FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- G. DO NOT USE SCALED DIMENSIONS: USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH
- THE WORK. . WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS ON
- COLUMN LINES OR BETWEEN MEMBERS OTHERWISE LOCATED. TYPICAL DETAILS ARE INTENDED TO APPLY TO APPLICABLE SITUATIONS UON. IN
- GENERAL, TYPICAL DETAILS ARE NOT SPECIFICALLY REFERENCED. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS OR

SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR

SIMILAR CONDITIONS THAT ARE CALLED FOR OR SHOWN. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2007 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE

REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE

II. EXISTING CONSTRUCTION

PROCEEDING WITH THE WORK.

- A. WORK SHOWN IS EXISTING UNLESS NOTED AS NEW: (N).
- B. EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM EXISTING CONSTRUCTION DOCUMENTS AND SITE INVESTIGATION AND CAN BE USED FOR BIDDING PURPOSES. THE CONTRACTOR SHALL VERIFY ALL EXISTING JOB CONDITIONS, REVIEW ALL DRAWINGS AND VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH THE WORK. DRAWINGS FOR THE EXISTING CONSTRUCTION ARE AVAILABLE FOR REVIEW.
- THE REMOVAL, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND SMALL TOOLS IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL FEATURES NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED AND PRIOR APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF MEMBERS.
- D. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION WHEREVER EXISTING SUPPORTS ARE REMOVED TO ALLOW THE INSTALLATION OF THE NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE SPECIFIED BY A LICENSED STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THIS PROJECT IS LOCATED, TO BE RETAINED BY THE CONTRACTOR. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- E. THE CONTRACTOR SHALL PERFORM THE WORK WITH A MINIMUM OF INCONVENIENCE TO THE OWNER AND SO AS NOT TO INTERRUPT THE DAY TO DAY WORK OPERATIONS. THE CONTRACTOR SHALL ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF CONSTRUCTION AND SHALL CONDUCT OPERATIONS TO PREVENT DAMAGE OR HARM TO THE FACILITIES AND PEOPLE. COORDINATE ALL OPERATIONS WITH THE OWNER OR HIS
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE BEGINNING WORK. SPECIAL CARE SHALL BE TAKEN TO PROTECT UTILITIES THAT ARE TO REMAIN IN SERVICE DURING CONSTRUCTION.
- G. THE CONTRACTOR SHALL PROMPTLY REPAIR DAMAGE CAUSED DURING OPERATIONS WITH SIMILAR MATERIALS AND WORKMANSHIP.
- H. ALL REMOVED ITEMS, MATERIALS AND DEBRIS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE DEMOLITION CONTRACTOR AND SHALL BE REMOVED PROMPTLY FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.

III. DESIGN BASIS

- A. APPLICABLE CODE: 2007 CALIFORNIA BUILDING CODE (CBC), WITH OSHPD AMENDMENTS
- B. OCCUPANCY CATEGORY = IV
- C. WIND DESIGN DATA:
- BASIC WIND SPEED, V = 85 MPH (3-SEC GUST) 1 = 1.15EXPOSURE = C
- PNET, PS DETERMINED PER ASCE 7-05, SECTION 6.4

NTS AND C	LADDING	PNET, PSF		
ENDZONE	P _{NET30} , PSF	H < 30 FT $\lambda = 1.40$	H < 45 FT λ = 1.53	
YES	17.4	28	31	
NO	14.1	23	25	
YES	13.5	22	- 24	
NO	12.2	20	22	
	YES NO YES	PSF YES 17.4 NO 14.1 YES 13.5	ENDZONE P_{NET30} , PSF $H < 30$ FT $\lambda = 1.40$ YES 17.4 28 NO 14.1 23 YES 13.5 22	

MWFRS			Ps, _{PSF} (HO	RIZONTAL)
ZONE	ENDZONE	P _{S30} , PSF	H < 30 FT $\lambda = 1.40$	H < 45 FT λ = 1.53
WALL	YES	11.5	19	21
WALL	NO	7.6	13	14

D. SEISMIC DESIGN DATA:

- LATITUDE = 38.356351LONGITUDE = -121.951968
- $S_s = 1.894q$ $S_1 = 0.600q$ SITE CLASS = D

SDC = D

- E. FOUNDATION DESIGN CRITERIA:
 - 1. DESIGN CRITERIA ARE BASED ON RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT PREPARED BY KLEINFELDER INC AND DATED JUNE 24, 2008.
 - 2. THE GEOTECHNICAL ENGINEER SHALL BE RETAINED TO PROVIDE CONSTRUCTION OBSERVATION AND TESTING DURING GRADING AND FOUNDATION PHASES. INSPECTION AND TESTING REPORTS SHALL SHALL BE SUBMITTED TO OSHPD.
 - 3. AS EXCAVATION PROGRESSES, CONDITIONS MAY DEVELOP REQUIRING CHANGES IN THE FOUNDATION DEPTHS AND/OR DESIGN. SUCH CHANGES SHALL BE MADE ONLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND SHALL BE ACCOUNTED FOR IN ACCORDANCE WITH CONTRACT DOCUMENTS.
 - 4. SPREAD FOOTINGS: a. FOOTINGS SHALL EXTEND A MINIMUM OF 24" BELOW ADJACENT
 - b. ALLOWABLE BEARING PRESSURE: 1. DEAD + LIVE LOADS
 - 2500 PSF 2. DEAD + LIVE + WIND/SEISMIC LOADS 3333 PSF
 - c. ULTIMATE COEFFICIENT OF FRICTION = 0.30

d. ULTIMATE PASSIVE PRESSURE = 300 PCF

IV. MATERIALS

A. CONCRETE

- 1. ALL CONCRETE SHALL BE REINFORCED U.O.N.
- 2. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED.
- 3. CONCRETE STRENGTH AND WEIGHT (SEE SPECIFICATION SECTION 03 30 00 FOR ADDITIONAL CONCRETE PROPERTIES):

CLASS	LOCATION	MIN 28-DAY STRENGTH (PSI)	MAX WEIGHT (PCF)
Α	WALL FOOTINGS	3000	145
В	SLAB ON GRADE	4000	145

- 4. REINFORCING STEEL:
- a. BARS: ASTM A615, GRADE 60, UON
- b. WELDED BARS: ASTM A706
- c. WELDED WIRE FABRIC: ASTM A185
- d. WELDED BAR ANCHORS: NELSON D2L DEFORMED BAR ANCHORS (ICC-ES REPORT ER-5217)
- 5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:

LOCATION	COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER: NO 5 BARS OR SMALLER NO 6 BARS OR LARGER	1 ¹ /2" 2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND SLABS, WALLS, JOISTS: NO 11 BARS OR SMALLER NO 14 AND LARGER	3/4" 1 ¹ /2"
BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 ¹ /2"
SHELLS, FOLDED PLATE MEMBERS: NO 5 BARS AND SMALLER NO 6 BARS AND LARGER	1/2" 3/4"

6. TERMINATION OF REINFORCEMENT UON

DEGREE BENDS.

- a. TERMINATE ALL BARS IN LAPS, 90 DEGREE BENDS, OR WITH
- DOWELS INTO EXISTING CONCRETE. b. BEND TOP MAT OR FOOTING BARS DOWN TO BOTTOM BARS AT
- c. BEND BOTTOM MAT OR FOOTING BARS UP WITH STANDARD 90
- d. PROVIDE DOWELS INTO FOOTINGS AT WALLS, SAME SIZE AND
- SPACING AS VERTICAL REINFORCEMENT.

B. STEEL

1. STEEL MATERIALS:

SHAPE	MATERIAL
WIDE FLANGES	ASTM A992, GRADE 50
MISCELLANEOUS PLATES	ASTM A36
ANGLES & CHANNELS	ASTM A36
TUBES (SQUARE HSS)	ASTM A500, GRADE B
PIPES (ROUND HSS)	ASTM A500, GRADE B
BOLTS	ASTM A325 N, U.O.N. (SEE NOTE 4)
ANCHOR RODS	ASTM F1554, Fy=36, U.O.N.
STEEL DECK	ASTM A653, SS GRADE 33 (38 KSI MINIMUM YIELD STRENGTH)
WELDING ELECTRODES	E70, SEE SPECIFICATIONS FOR CVN REQUIREMENTS
WELDED STUDS	FLUX FILLED HEADED ANCHOR STUDS TYPE H4L OR S3L BY NELSON OR EQUAL.

C. CONCRETE MASONRY.

1. MATERIAL PROPERTIES

					* * * * * * * * * * * * * * * * * * * *
,	LOCATION	BLOCK WT	CMU ASSEMBLY f'm (PSI)	GROUT f'g (PSI)	MORTAR
	ABOVE GRADE BLDG WALLS, FENCES	LT WT	1500, U.O.N.	2000	ASTM C270 TYPE S

- 2. BLOCKS SHALL CONFORM TO ASTM C90, GRADE N, TYPE 1. UNIT COMPRESSIVE STRENGTH SHALL BE PER CBC TABLE 2105A.2.2.1.2.
- 3. REINFORCING STEEL: ASTM A615, GRADE 60. ALL MASONRY TO BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED."
- 4. GROUT: ALL CELLS SHALL BE FULLY GROUTED.

D. POST-INSTALLED ANCHORS IN CONCRETE

- 1. POST-INSTALLED ANCHORS INCLUDE EXPANSION ANCHORS, SCREW
- ANCHORS, AND EPOXY ANCHORS/DOWELS. 2. INSTALL POST-INSTALLED ANCHORS IN ACCORDANCE WITH THE APPLICABLE
- ICC-ES REPORT AND THE MANUFACTURER'S RECOMMENDATIONS.
- 3. USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS.
- 4. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN REINFORCEMENT AND POST-INSTALLED ANCHORS.
- 5. SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHOR INSTALLATIONS, UON.
- TESTINSTALLED ANCHORS IN ACCORDANCE WITH THE FOLLOWING:

6. FIELD TESTING OF POST-INSTALLED ANCHORS IS REQUIRED, UON.

REQUIRED FOR THE SPECIFIC ANCHOR TYPE.

b. TEST 50% OF ANCHORS AT ALL NON-STRUCTURAL APPLICATIONS (SUCH AS EQUIPMENT ANCHORAGE), UON.

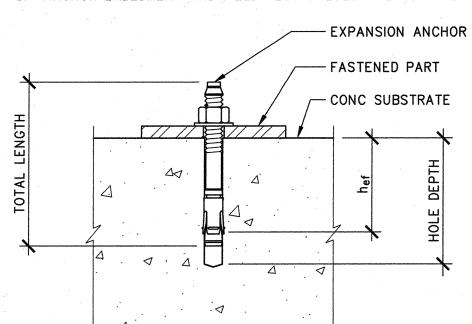
a. TEST 100% OF ANCHORS AT ALL STRUCTURAL APPLICATIONS, UON.

- c. TEST 10% OF ANCHORS AT SILL PLATE BOLTING APPLICATIONS, UON. d. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE
- NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS. e. FIELD TESTS SHALL BE EITHER TENSION TESTS OR TORQUE TESTS, AS
- f. TENSION TESTS: APPLY TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH. REACTION LOADS FROM TEST FIXTURES MAY BEAPPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURES. TO BE ACCEPTABLE, ANCHORS SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD (OBSERVABLE MOVEMENT IS DEFINED AS THE WASHER UNDER THE NUT BECOMING LOOSE).
- TORQUE TESTS: TO BE ACCEPTABLE, THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF TURN OF THE NUT.
- h. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES. i. FIELD TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT

7. EXPANSION ANCHORS

INSPECTOR.

- a. EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING, UON: CARBON STEEL HILTI KWIK BOLT TZ (ICC-ES REPORT ESR-1917). SIMPSON STRONG-BOLT (ICC-ES REPORT ESR-1771).
- b. ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS, UON:



HILTI KW	IK BOLT T	Z IN NORMAL-W	EIGHT CONCRETE
ANCHOR DIAMETER	h _{ef}	MINIMUM HOLE DEPTH	TORQUE TEST
3/8"	2"	25/8"	25
1/2"	2"	25/8"	40
5/8"	4"	43/4"	60
3/4"	43/4"	53/4"	110

HILTI K	WIK BOLT	TZ IN LIGHTWE	GHT CONCRETE
ANCHOR DIAMETER	hef	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	2"	2 ⁵ /8"	25
1/2"	2"	2 ⁵ /8"	40
5/8"	31/8"	37/8"	60

	SIMPSON STRONG-BOLT IN NORMAL-WEIGHT CONCRET						
	ANCHOR DIAMETER	h _{ef}	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)			
	1/2"	21/4"	23/4"	50			
	5/8"	4 ¹ /2"	5 ¹ /8"	85			
	3/4"	5"	5 ³ /4"	180			
_	1"	- 9"	93/4"	230			
•							
	SIMPSON STRONG-BOLT IN LIGHTWEIGHT CONCRETE						
1							

MINIMUM

- 21/4" 2³/4" 40 5/8" 23/4" 3³/8" 40 c. hef IS MEASURED FROM FACE OF CONCRETE SUBSTRATE TO THE
- TEETH ON THE EXPANSION ELEMENT. d. CONTRACTOR SHALL PROVIDE ANCHORS WITH SUFFICIENT TOTAL LENGTH FOR THE SPECIFIED EMBEDMENT LENGTH, THICKNESS OF FASTENED PART, WASHER AND NUT.

8. SCREW ANCHORS

DIAMETER

- a. SCREW ANCHORS SHALL BE SIMPSON TITEN HD (ICC-ES REPORT ESR-2713), UON.
- ANCHOR EMBEDMENT SHALL BE AS SPECIFICALLY DETAILED ELSEWHERE IN
- THE DRAWINGS. c. FIELD TEST VALUES ARE AS FOLLOWS, UON:

SCREW AN	ICHORS
ANCHOR DIAMETER (IN)	TORQUE TEST VALUE (FT-LBS)
3/8	10
1/2	10
3/4	20

9. EPOXY ANCHORS AND DOWELS

a. EPOXY SHALL BE ONE OF THE FOLLOWING, UON: HILTI HIT-RE 500-SD (ICC-ES REPORT ESR-2322)

BE ASTM A 193 GRADE B.

- SIMPSON SET-XP (ICC-ES REPORT ESR-2508)
- THREADED STEEL RODS EMBEDDED IN SIMPSON SET-XP EPOXY SHALL
- BE ASTM A307. c. THREADED STEEL RODS EMBEDDED IN HILTI HIT-RE 500-SD EPOXY SHALL
- d. REINFORCING STEEL BARS EMBEDDED IN EPOXY SHALL BE ASTM A615,
- GRADE 60, UON. e. ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS, UON:

THREADED	REBAR	EMBEDMENT	TENSION	TEST VAL	UE (LBS)
ROD DIAMETER	SIZE	(IN)	CONCRET	E STRENG	TH (PSI)
(IN)			2000	3000	4000
3/8	#3	4	3470	3775	4080
1/2	#4	41/2	5110	6325	7900
5/8	#5	6	8240	8836	10420
3/4	#6	7	10610	14425	18240
7/8	#7	8	14710	17318	17318
1	#8	9	17770	20215	22660
-	#9	10 ¹ /2	24360	26840	26840
11/4	#10	12	29040	33995	38000
-	#11	14	43750	43750	43750

- TESTING OF EPOXY DOWELS AT JOINTS BETWEEN NEW AND EXISTING SLABS-ON-GRADE IS NOT REQUIRED.
- g. TESTING SHALL OCCUR AFTER EPOXY HAS CURED, AS PER MANUFACTURER'S RECOMMENDATIONS.

V. QUALITY CONTROL

- A. THE FOLLOWING WORK REQUIRES TESTS AND/OR INSPECTIONS. FOR SPECIFIC REQUIREMENTS SEE SPECIFICATIONS. INSPECTIONS SHALL BE MADE IN ACCORDANCE WITH CBC 1704A, 1707A AND 1708A BY A OSHPD CERTIFIED SPECIAL INSPECTOR RETAINED BY THE OWNER.
 - 1. FOOTING EXCAVATION
 - 2. SOIL COMPACTION
 - 3. REINFORCING STEEL & ANCHOR RODS
 - 4. CONCRETE
 - 5. POST-INSTALLED ANCHORS
 - 6. STRUCTURAL STEEL FABRICATION
- 7. WELDING: REINFORCING STEEL, STRUCTURAL STEEL, WELDED STUDS

8. HIGH STRENGTH BOLT

1. CONCRETE MIX DESIGNS

- B. A PARTIAL LISTING OF REQUIRED STRUCTURAL SUBMITTALS FOLLOWS. CONSULT THE SPECIFICATIONS FOR A COMPLETE LISTING OF SUBMITTAL REQUIREMENTS.
- 2. CONSTRUCTION JOINT LAYOUT & CONTROL JOINT LAYOUT
- 3. REINFORCING STEEL SHOP DRAWINGS
- 4. STRUCTURAL STEEL SHOP AND ERECTION DRAWINGS 5. STRUCTURAL STEEL MATERIAL TEST REPORTS
- 6. WELDING ELECTRODE DATA AND WELDING PROCEDURE SPECIFICATIONS

7. STRUCTURAL STEEL FASTENERS

- 8. MANUFACTURER'S DATA FOR INSERTS, GROUTS & EPOXIES
- C. STRUCTURAL OBSERVATIONS WILL BE PROVIDED PER CBC 1709A BY THE ENGINEER OF RECORD.

- VII. STRUCTURAL DRAWINGS S-000 GENERAL STRUCTURAL NOTES
- S-101 FLOOR PLAN
- S-102 ROOF PLAN
- S-601 CONCRETE DETAILS S-602 CONCRETE AND MASONRY DETAILS
- S-603 STEEL DETAILS AND EQUIPMENT ANCHORAGE DETAILS

VIII. ABBREVIATIONS

AESS

ARCH

BLDG

CONN

CONT

CJP

CTR

DCW

EL OR ELEV

FL OR FLR

FRM'G

FTG

GALV

LT WT

MAX

MECH

MFR

MTL

MIN

MISC

REINF

REQ

S.A.D.

S.E.D.

SCHED SECT

SLRS

SPA

SPEC

STAGG'D

STRUCT

THRD'D

SYMM

T&B

T.O.

T.O.C. T.O.F

T.O.S.

T.O.W.

UON

VERT

MAXIMUM

METAL

MINIMUM

NOMINAL

OPENING

PARTITION

REFERENCE

REQUIRED

SCHEDULE

SPACE SPECIFICATION

SQUARE

STRAP TIE

STAGGERED STANDARD

STRUCTURAL

THREADED

TOP OF

SYMMETRICAL

TOP AND BOTTO

TOP OF CONCRETE

UNLESS OTHERWISE NOTED

TOP OF FOOTING

TOP OF PLATE

TOP OF STEEL

TOP OF WALL

TYPICAL

VERTICAL

WITH

WITHOUT

WEIGHT

WORK POINT

REINFORCEMENT

NEAR SIDE

NOT TO SCALE

ON CENTER

NORMAL WEIGHT

OUTSIDE (INSIDE) DIAMETER

POWDER ACTUATED FASTENER

PARTIAL JOINT PENETRATION

SEE ARCHITECTURAL DRAWINGS

SEISMIC LOAD RESISTING SYSTEM

SEE MECHANICAL DRAWINGS

SEE ELECTRICAL DRAWINGS

MECHANICAL

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

EVIATIONS		
DIAMETER ARCHITECTURALLY EXPOSED STRUCTURAL STEEL ARCHITECTURAL	SYMBOL	DESCRIPTION
ANCHOR ROD BUILDING BEAM BOTTOM OF	AHU 1	EQUIPMENT I.D. MARK
BOTTOM OF FOOTING BOTTOM COLUMN BASE CENTER LINE CONSTRUCTION JOINT	7117	CHANGE IN FINISH FLOOR ELEVATION
CLEAR CONCRETE MASONRY UNIT COLUMN CONNECTION	3	GRID NUMBER (OR MATCH ARCH'T)
CONTINUOUS COMPLETE JOINT PENETRATION CENTER DEMAND CRITICAL WELD		RAISED CONCRETE EQUIPMENT PADS
DETAIL DRAWING EXISTING EACH		CONCRETE CURB ON SLAB
EACH FACE ELEVATION ELECTRICAL END (OR EDGE) NAILING		CONCRETE WALL
EQUAL EACH WAY EXTERIOR FOUNDATION		8" NOMINAL FREE STANDING CMU WALL, U.O.N.
FINISH FLOOR FRAMING FAR SIDE		(E) 8" NOMINAL FREE STANDING CMU WALL, U.O.N.
FOOTING GAUGE GALVANIZED HOLD DOWN		
HORIZONTAL HIGH STRENGTH BOLT HEIGHT INTERIOR		
JOINT DEVELOPMENT LENGTH OF REBAR LONG LEG HORIZONTAL (VERTICAL) LIGHT LIGHT WEIGHT		
UNFINISHED MACHINE BOLTS		

DETAILS S-601 S-601\S-601 5-601/5-601 S-602

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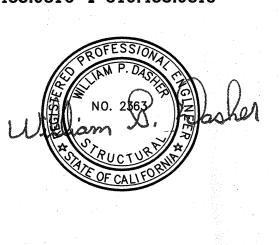
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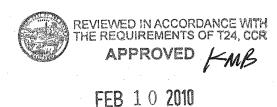
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	ISSUES/REVISONS		DA [*]
	OSHPD SUBMITTAL		03/03/
	OSHPD RESUBMITTAL		05/04/
Z - 1	OSHPD 1ST ROUND BACK CHEC RESPONSES	Ж	10/15/
,	OSHPD 2ND ROUND BACK CHECRESPONSES	CK	01/07/

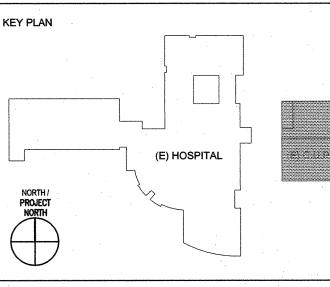






VACAVALLEY HOSPITAL **EXPANSION PROJECT** PACKAGE 2 - CENTRAL PLANT

OSHPD No. HS100469-48



AS SHOWN

CENTRAL PLANT GENERAL STRUCTURAL NOTES