

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

K. STRUCTURAL OBSERVATION

- STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCTURAL SYSTEMS. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEMS AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTION REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.
- THE OWNER SHALL EMPLOY A CIVIL OR STRUCTURAL ENGINEER OR ARCHITECT TO PERFORM THE STRUCTURAL OBSERVATION. THE ENGINEER OR ARCHITECT SHALL BE A REGISTERED OR LICENSED IN THE STATE OF CALIFORNIA. THE DEPARTMENT OF BUILDING AND SAFETY RECOMMENDS THE USE OF THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE DESIGN WHEN THEY ARE INDEPENDENT OF THE CONTRACTOR.
- THE STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT FROM THE OWNER OR A COPY OF THE AGREEMENT FOR SERVICES SHALL BE SENT TO THE BUILDING INSPECTOR BEFORE THE FIRST SITE VISIT. THE STRUCTURAL OBSERVER SHALL ALSO INFORM THE OWNER OF THE REQUIREMENTS FOR A PRE-CONSTRUCTION MEETING AND SHALL PRESIDE OVER THIS MEETING.
- THE OWNER OR OWNER'S REPRESENTATIVE SHALL COORDINATE AND CALL FOR A MEETING BETWEEN THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS, AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE IDENTIFIED THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT THE VERTICAL AND LATERAL LOAD SYSTEMS OF THE STRUCTURE AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATIONS. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT SUBMITTED TO THE BUILDING INSPECTOR.
- STRUCTURAL OBSERVATIONS SHALL BE PERFORMED AS REQUIRED BY THE GOVERNING CODES - OWNER TO HIRE CONSULTANT AS REQUIRED, STRUCTURAL OBSERVATIONS ARE REQUIRED AT SIGNIFICANT CONSTRUCTION STAGES.

- FOUNDATIONS
 - GENERAL
- STEEL FRAMING
 - GENERAL
 - BRACED FRAMES
 - METAL DECKING AND SHEAR CONNECTORS
- CONCRETE
 - GRADE BEAM AND THE BEAMS
 - SLABS AND SLABS-ON-GRADE

L. LIST OF ITEMS NEEDING SPECIAL INFECTON BY A DEPUTY INSPECTOR

- THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS WHO SHALL PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW.
- CAST-IN-PLACE CONCRETE WITH $F_c = 2,500$ PSI OR HIGHER CONCRETE WORK SHALL BE INSPECTED DURING THE TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE.
- REINFORCING STEEL DURING AND PLACING OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION.
- INSTALLATION OF HIGH-STRENGTH BOLTS. THE INSPECTION OF HIGH STRENGTH A325 AND A490 BOLTS SHALL BE IN ACCORDANCE WITH APPROVED NATIONALLY RECOGNIZED STANDARDS. WHILE THE WORK IS IN PROGRESS, THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE REQUIREMENTS FOR BOLTS, NUTS, AND WASHERS AND PAINT, BOLTED PARTS, AND INSTALLATION AND TIGHTENING IN SUCH STANDARDS ARE MET. SUCH INSPECTIONS MAY BE PERFORMED ON A PERIODIC BASIS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1701.4 OF CBC "CONTINUOUS AND PERIODIC SPECIAL INSPECTION". THE SPECIAL INSPECTOR SHALL OBSERVE THE CALIBRATION PROCEDURES WHEN SUCH PROCEDURES ARE REQUIRED BY THE PLANS OR SPECIFICATIONS AND SHALL MONITOR THE INSTALLATION OF BOLTS TO DETERMINE THAT ALL PILES OF CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER AND THAT THE SELECTED PROCEDURE IS PROPERLY USED TO TIGHTEN ALL BOLTS.
- ALL FIELD WELDING OF ANY MEMBER OR CONNECTION EXCEPT FOR THE FOLLOWING:
 - WELDING DONE IN AN APPROVED FABRICATOR'S SHOP.
 - THE SPECIAL INSPECTOR NEED NOT BE PRESENT DURING THE WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, QUALIFICATIONS OF THE WELDING PROCEDURES AND WELDERS ARE VERIFIED PRIOR TO THE START OF WORK; PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS; AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING:
 - SINGLE-PASS FILLET WELDS NOT EXCEEDING 5/16 INCH IN SIZE
 - FLOOR AND ROOF DECK WELDING
 - WELDED SHEET STEEL FOR COLD-FORMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS
 - WELDING OF STAIRS AND RAILING SYSTEMS.
 - FOUNDATION - SPECIAL INSPECTION IS REQUIRED FOR FOUNDATION EXCAVATIONS, INSTALLATION OF REINFORCEMENTS, AND DURING CONCRETING.
 - EXPANSION/ EPOXY ANCHORS PLACEMENT.
- METAL DECKING - OBTAIN AND REVIEW MILL CERTIFICATE INSPECT SHEAR CONNECTORS.

M. NOTICE TO CONTRACTOR - THE FOLLOWING ITEMS ARE CONSIDERED PART OF THE BID/ CONTRACT

- DETAILS/ DRAWINGS SHOWN ARE THE INTENDED CONSTRUCTED CONDITIONS OF THE STRUCTURE MEANS AND METHODS UTILIZED BY THE CONTRACTOR TO CONSTRUCT THE BUILDING SHALL BE HIS RESPONSIBILITY - INCLUDING BUT NOT LIMITED TO CONSTRUCTION METHODOLOGY, BRACING, SHORING, SHOP DRAWINGS, SPECIAL FABRICATIONS, DEPUTY INSPECTIONS, MATERIAL TESTING.
- WHERE DISCREPANCIES/ CONFLICTS OF DETAIL REQUIREMENTS, MATERIAL SPECIFICATIONS, ETC. OCCUR, THE MOST STRINGENT REQUIREMENT SHALL GOVERN. ANY OTHER DETAILS/ ELEMENTS SHALL BE ADJUSTED ACCORDINGLY. SEE ALSO NOTE A.2.
- NO MATERIAL SUBSTITUTION ARE ALLOWED UNLESS APPROVED BY THE ARCHITECT/ ENGINEER. ALL REQUEST FOR MATERIAL SUBSTITUTION SHALL BE IN WRITING.
- DESIGN COSTS FOR DESIGN MODIFICATIONS IF INITIATED BY THE CONTRACTOR SHALL BE IN WRITING AND SHALL BE CHARGED TO THE CONTRACTOR.
- THE CONTRACTOR SHALL HAVE THE OPTION IF CONCURRED BY THE ARCHITECT/ ENGINEER TO REPLACE CERTAIN EXISTING ITEMS IN KIND IF IT WILL ENHANCE CONSTRUCTIBILITY.

INSTALLATION OF POST INSTALLED ANCHORS

WHEN INSTALLING DRILLED-IN ANCHORS AND/ OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM TO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/ OR PIN.

E. STRUCTURAL STEEL

ALL MATERIALS AND WORKMANSHIP AND MINIMUM REQUIREMENT SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:

SECTIONS	TYPE
ROLLED SHAPES WIDE FLANGES CHANNELS, ANGLES & OTHERS	ASTM A992 ASTM A36
PLATES COLUMN BASE PLATES BRACE GUSSET PLATES BEAM SHEAR CONNECTION PLATES COLUMN CONTINUITY PLATES BEAM STIFFENER PLATES DECK CLOSURE PLATES OTHER	ASTM A572, GR. 50 ASTM A572, GR. 50 ASTM A36 ASTM A572, GR. 50 ASTM A36 ASTM A36 ASTM A572, GR. 50
COLD FORMED HOLLOW STRUCTURAL SECTION (CIRCULAR HSS, TUBING)	ASTM A500, GR. B

STAINLESS STEEL SHAPES, PLATES, AND BAR	ASTM A726
BOLTS	ASTM A325X
MACHINE BOLTS	ASTM A307
ANCHOR BOLTS	ASTM F1554
ANCHOR RODS	ASTM A36
THREADED AND HANGER ROD	ASTM A572, GR.50
WELDED SHEAR CONNECTORS	ASTM A108, GR. 1015 THROUGH 1020
WELDED THREADED RODS	ASTM A108, GR. 1015 THROUGH 1020
NUTS FOR BOLTS AND MACHINE BOLTS	ASTM A563
HARDENED WASHERS	ASTM F436
UNHARDENED WASHERS	ASTM F844
PLAIN WASHERS	ANSI B18.22.1
BEVELED WASHERS	ANSI B18.23.1

- SUBMIT STEEL SHOP DRAWINGS FOR REVIEW.
- HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER, REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780.
- ALL BOLTED CONNECTIONS UNLESS NOTED OTHERWISE SHALL BE ASTM A325, CONTINUOUS INPECTION IS REQUIRED.

F. METAL DECKING

- METAL DECK TO BE VERO, VULCRAFT OR BHP WITHOUT SUBSTITUTION.
- ALL FLOORS AND DECKS TO BE GALVANIZED IN ACCORDANCE WITH ASTM A653 COATING CLASS C90. REPAIR DAMAGED COATING.
- WHERE POSSIBLE, LAYOUT METAL DECK TO SPAN AT LEAST THREE SPANS CONTINUOUSLY. TERMINATE ENDS OVER SUPPORTS EXCEPT AT OPENINGS OR BUILDING EDGES WHERE METAL DECK MAYBE CANTILEVERED AS SHOWN.
- SECURE FLOOR AND ROOF METAL DECK TO THE STEEL FRAMEWORK AND TOGETHER AS SHOWN. UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS, MINIMUM DECK ATTACHMENTS IS AS FOLLOWS:
 - 1/2" EFFECTIVE DIAMETER PUDDLE WELDS AT 12" O.C. AT TRANSVERSE AND PERMETER SUPPORTS. 1/2" EFFECTIVE DIAMETER PUDDLE WELDS AT 16" O.C. AT LONGITUDINAL SUPPORTS. 3/16" BUTTON PUNCH OR 1-1/2" TOP SEAM WELD AT 36" O.C. AT SIDE LAP CONNECTIONS.

G. COLD FORMED STEEL

COLD FORMED STEEL SHALL CONFORM TO AISI SPECIFICATIONS FOR COLD FORMED STEEL STRUCTURAL MEMBERS, 1996 EDITION, SSMA STANDARDS AND SDI. COLD FORMED STEEL SHALL CONFORM TO ASTM A446, GRADE 50, Fy=50 KSI.

H. WELDING

- ALL WELDING SHALL BE DONE AT ICBO OR AISC APPROVED WELDING FACILITIES OR WITH SPECIAL INSPECTION.
- WELDING TO BE DONE BY WELDERS CERTIFIED IN ACCORDANCE WITH AWS D1.1:2000 AWS SPECIFICATIONS AND THE GOVERNING JURISDICTIONS. STRUCTURAL STEEL LICENSED FABRICATOR REQUIRED.
- SPECIAL INSPECTORM IS REQUIRED FOR ALL STRUCTURAL FIELD WELDING EXCEPT AS HEREIN NOTED. SINGLE PASS FILLET WELDS WHEN SPECIFICALLY DESIGNED AT HALF STRESS MAY REQUIRE PERIODIC INSPECTION IN ACCORDANCE WITH SEC. 1701.6.2.
- SHOP WELD TO BE DONE BY LICENSED FABRICATOR.
- ELECTRODES SHALL BE E70XX (AWS A5.1) 70 KSI TENSILE STRENGTH.

I. EXISTING UTILITIES

UTILITY LINES AND ACCESSORIES INDICATED ON THE DRAWINGS OR FOUND AT THE SITE THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE RELOCATED AS NECESSARY. THE CONTRACTOR SHALL PROVIDE AND GET APPROVAL OF ANY DRAWINGS AND DATA REQUIRED TO OBTAIN VA APPROVAL FOR THE RELOCATION.

J. SHOT PINS

SHOT PINS SHALL BE HILTI-DX FASTENERS WITH THE FOLLOWING ICC REPORTS NOS:

- FOR STEEL DECK DIAPHRAGM - ICC REPORT NO. 4373.
- HILTI LOW VELOCITY DRIVE FASTENERS - ICC REPORT NO. 2388.

C. FOUNDATION

- FOUNDATION SITE PREPARATION, DESIGN, AND GRADING SHALL BE DONE IN ACCORDANCE WITH THE CRITERIA AND RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL ENGINEERING INVESTIGATION REPORT FOR THE ADJACENT REPLACEMENT HOSPITAL BY WOODWARD - CLYDE CONSULTANTS, DATED NOVEMBER 1990. BEARING PRESSURE ARE TAKEN FROM BUILDING S1 EXPANSION DRAWING NUMBER 1262, DATED JUNE 4, 1990 BY PETER CULLEY AND ASSOCIATES. PREPARED BY GEOSYSTEMS, INC. PROJECT NO. GSDH-1114.
- ALLOWABLE SOIL BEARING PRESSURE IS 1,500 POUNDS PER SQUARE FOOT (PSF) FOR CONTINUOUS FOUNDATIONS AND FOR ISOLATED FOUNDATIONS.
- ALL SUB GRADE COMPACTION BENEATH THE BUILDING PAD WILL REQUIRE A MINIMUM OF 90% RELATIVE COMPACTION (ASTM D1557-91). ALL COMPACTION WITHIN PAVEMENT AREAS AROUND THE BUILDING SHALL REQUIRE A MINIMUM OF 95% RELATIVE COMPACTION FOR ALL ROCK GRADE AND FINAL 6-INCHES OF FINISHED SUB-GRADE.
- ALL FOOTINGS ARE TO BE CARRIED INTO APPROVED, COMPACTED STRUCTURAL FILL. A MINIMUM OF 18 INCHES BELOW ADJACENT GRADE OR FINISHED PAD SUB GRADE, WHICHEVER IS LOWER, PROVIDE 24 INCHES ENGINEERED SOIL BELOW SLAB AND CONTINUOUS FOOTING.
- BOTTOM OF FOUNDATION FOOTINGS WILL BE INSPECTED BY A REPRESENTATIVE OF THE SOILS ENGINEER PRIOR TO PLACING REBAR OR POURING CONCRETE.

D. POURED-IN PLACE CONCRETE

- CONCRETE WORK SHALL CONFORM TO ACI 318-05 & LATEST EDITION OF ACI 301 AND ACI 315 UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40 FOR #3 AND SMALLER, GRADE 60 FOR #4 AND LARGER. ALL REINFORCING STEEL TO BE WELDED SHALL BE GRADE 40. DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A635. USE ASTM 706 FOR WELDED REINFORCING BARS.
- REINFORCING FABRIC SHALL CONFORM TO ASTM A185 AND SHALL LAP 1-1/2 SPACES (12" MINIMUM).
- LAP REINFORCING STEEL AT SPLICES TO THE FOLLOWING MINIMUM LENGTH, UNLESS NOTED OTHERWISE:

REINF. BAR SIZE	LAP TOP BAR	BOT BAR	REINF. BAR SIZE	LAP
#3	2'-0"		#8	6'-10"
#4	2'-0"	2'-8"	#9	9'-8"
#5	2'-6"	3'-0"	#10	11'-0"
#6	3'-6"	3'-10"	#11	13'-7"
#7	5'-3"			

- TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.
- SPLICE ALL REINFORCING STEEL WHERE INDICATED. WHERE SPLICE LOCATIONS ARE NOT SPECIFICALLY INDICATED, SPLICES SHALL BE WELL STAGGERED.
- MINIMUM CONCRETE COVER: THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND THE FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:

LOCATION	CLEAR COVER
CONCRETE PLACED AGAINST EARTH	3"
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH THE EARTH. #6 BARS AND LARGER #5 BARS AND SMALLER	2" 1-1/2"
SLABS ON GRADE (TOP CLEARANCE)	1-1/2"
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH. #5 BARS AND SMALLER #6 AND #7 #8, #9, #10 & #11 #14 & #18	3/4" 1" 1-1/2" 2-1/2"

- NO HEATING SHALL BE ALLOWED FOR BENDING OF REINFORCING STEEL.
- ANCHOR BOLTS, DOWELS, INSERTS, ETC., SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING OF ANY CONCRETE GROUT.
- CONCRETE TYPES:

CLASS	28 DAY STRENGTH	TYPE	WATER CEMENT RATIO	MAX. AGGR. SIZE	LOCATION
A	5,000 PSI	NORMAL WEIGHT	PER CONC. SPECS.	1"	FOUNDATIONS
B	3,000 PSI	NORMAL WEIGHT	PER CONC. SPECS.	3/4"	MISC. CURBS, HOUSE KEEPING PADS, ETC.
C	3,000 PSI	NORMAL WEIGHT	PER CONC. SPECS.	3/4"	SLABS ON GRADE
D	4,000 PSI	LIGHT WEIGHT	PER CONC. SPECS.	3/4"	FILL ON METAL DECK

- AGGREGATES SHALL BE NATURAL SAND AND ROCK CONFORMING TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.05%.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE I OR II LOW ALKALI.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 301.
- CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE APPROVED BY THE ARCHITECT/ STRUCTURAL ENGINEER.
- MAXIMUM SLUMP SHALL NOT EXCEED 4" IN FLATWORK.
- NO PIPES OR DUCTS ARE TO BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
- ALL FINISHED SURFACES SHOULD BE PROPERLY SLOPED TO PROMOTE ADEQUATE DRAINAGE OF SURFACE WATER. IN ACCORDANCE WITH THE GRADING PLAN AND DRAINAGE RECOMMENDATIONS OF THE SOILS REPORT.
- THE FREE DRAINING CRUSHED ROCK BENEATH THE CONCRETE SLAB SHALL HAVE A MAXIMUM SIZE OF 3/4" WITH LESS THAN 5 PERCENT PASSING THE NO. 4 SIEVE.
- NON-SHRINK GROUT, 7,000 PSI: EUCLID CHEMICAL COMPANY'S "EUKO-NS", L&M CRYSTEX, MASTER BUILDERS "MASTERFLOW 713", OR FIVE STAR GROUT. WHERE HIGH FLUIDITY OR INCREASED PLACING TIME IS REQUIRED, USE EUCLID CHEMICAL COMPANY'S "EUKO HI-FLOW GROUT" OR MASTER BUILDERS "MASTERFLOW 928"
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A82 AND A185.
- ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS PLACED, USE CUT THREAD ANCHOR BOLTS ONLY.

GENERAL NOTES:

A. GENERAL

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE 2010 EDITION, THE LATEST EDITION OF H&B SEISMIC DESIGN REQUIREMENTS FOR VA FACILITIES, AND THE APPLICABLE LOCAL CODES.
- CONTRACTOR SHALL STUDY THE DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS BEFORE SUBMITTING BIDS/ COMMENDING WITH THE WORK INVOLVED. ANY DISCREPANCIES FOUND SHALL BE REPORTED TO THE ARCHITECT IN WRITING FOR CORRECTION OR CLARIFICATIONS.
- ALL DETAILS ARE TYPICAL. SIMILAR CONDITIONS REFER TO SIMILAR DETAILS. ITEMS/ CONNECTIONS NECESSARY TO CONSIDER THE PROJECT COMPLETE SHALL BE PART OF THE BID CONTINGENCIES.
- 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 BY THE ARCHITECT AND/ OR STRUCTURAL ENGINEERS.
- CONTRACTOR SHALL PROVIDE SHORING AND BRACING TO EXISTING STRUCTURE PRIOR TO ANY ALTERATION AND DEMOLITION.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- PROVIDE OPENINGS AND SUPPORTS FOR MECHANICAL EQUIPMENT, DUCTS, PIPING, VENTS, AND ETC., AS REQUIRED. REFER TO ARCHITECTURAL AND MECHANICAL, ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS AND EQUIPMENT NOT SHOWN ON STRUCTURAL DRAWINGS. ALL SUSPENDED EQUIPMENTS TO BE PROVIDED WITH APPROVED LATERAL OR SWAY BRACING.
- ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, THE CALIFORNIA BUILDING CODE, AND ALL APPLICABLE LOCAL CODES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND/ OR STRUCTURAL ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVE OF THE ARCHITECT AND OR STRUCTURAL ENGINEER DO NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OF THE PROCEDURES FOR SUCH METHODS OF CONSTRUCTION. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT AND/ OR STRUCTURAL ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES WHICH ARE FURNISHED BY THE ARCHITECT AND/ OR THE STRUCTURAL ENGINEER, WHETHER MATERIAL OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER COMPLETION OF CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATION; BUT THEY DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- ALL ERECTION PROCEDURES SHALL CONFORM TO OSHA STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA PRIOR TO ERECTION.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- DESIGN, MATERIALS, EQUIPMENTS, AND PRODUCTS OTHER THAN THOSE DESCRIBED BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE, PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE OWNER, THE ARCHITECT AND/ OR THE STRUCTURAL ENGINEER, AND THE APPLICABLE GOVERNING CODE AUTHORITY.

B. LOADING CRITERIA

LOADING:	DEAD LOAD	LIVE LOAD
ROOF	CALCULATED	20 PSF

WIND LOAD:	
BASIC WIND SPEED	V = 85 MPH
WIND IMPORTANCE FACTOR	I = 1.0
OCCUPANCY CATEGORY	II
WIND EXPOSURE	B
INTERNAL COEFFICIENTS	+0.18
COMPONENTS AND CLADDINGS	20 PSF

EARTHQUAKE DATA:	
SEISMIC IMPORTANCE FACTOR	I = 1.5
OCCUPANCY CATEGORY	III
SITE CLASS	B
SEISMIC CATEGORY	D
MAPPED SPECTRAL ACCELERATION	
Ss	1.501
S1	0.6
SPECTRAL RESPONSE COEFFICIENTS	
Sds	1.001
Sd1	0.6
BASIC SEISMIC FORCE RESISTING SYSTEMS	CANTILEVER COLUMN
DESIGN BASE SHEAR	
V	Cs
W	20.5 kips
TOTAL BUILDING WEIGHT (BASIS OF DESIGN BASE SHEAR)	
W	20.5 kips
SEISMIC RESPONSE COEFFICIENT (S)	
Cs	1.001
RESPONSE MODIFICATION FACTOR (S)	
rs R	1.5
ew R	1.5
ANALYSIS PROCEDURE USED	EQUIVALENT FORCE PROCEDURE
REDUNDANCY FACTOR USED	
p	1.3

CONSTRUCTION DOCUMENTS BID SET	06.10.2011
Revisions:	Date

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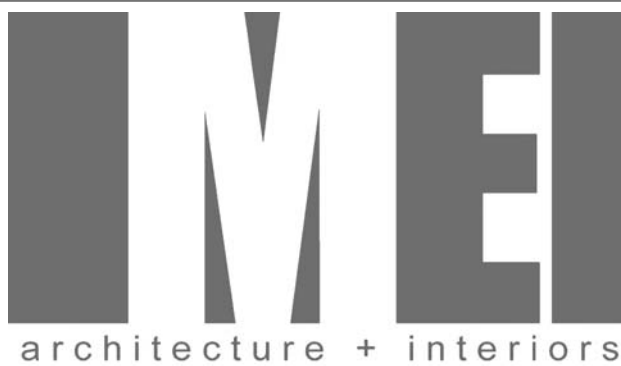
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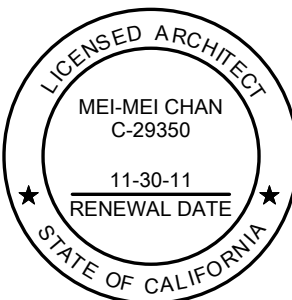
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Drawing Title

GENERAL NOTES

Approved: Project Director

Project Title
ENTRANCE VESTIBULES AND COVERED WALKWAY AT BLDGS. 20 AND 22

Location

VANCHCS - MARTINEZ

Date

JUNE 10, 2011

Checked

GVE

Drawn

CEL

Project Number
612-10-066

Building Number
BLDGS. 20 & 22

Drawing Number

SS1-1

**Office of
Facilities
Management**



Department of
Veterans Affairs