

A SIDE ELEVATION
SCALE: $\frac{3}{4}" = 1\text{ft}$

B REAR ELEVATION
SCALE: 3/4" = 1ft

PLAN VIEW

SCALE: $\frac{1}{4}" = 1\text{ft}$

100% BID - SET

[illegible]

GENERAL NOTES:

I. GENERAL

- MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, WITH TITLE 24 AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THESE GENERAL NOTES SUPPLEMENT THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, CONTACT THE VA COR.
- VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE VA COR OF DISCREPANCIES.
- DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE VA COR.
- DETAILS ON SHEETS TITLED "TYPICAL DETAILS" APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. SUCH DETAILS ARE NOT NOTED AT EACH LOCATION THAT THEY OCCUR.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE COR OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE THE DRAWINGS.

- INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE ARCHITECT. DO NOT DEViate FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE VA COR.

- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY HAZARDS IN CONNECTION WITH THIS WORK.

II. CONSTRUCTION MEANS AND METHODS ENGINEERING (SHORING)

- CONTRACTOR TO PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION.

III. FOUNDATION AND SITE WORK

- THE DESIGN OF THE FOUNDATION SYSTEM IS BASED UPON THE CRITERIA AND RECOMMENDATIONS BASED ON CBC MINIMUM.
- GROUNDWATER ELEVATION IS NOT EXPECTED. PROVIDE SITE DE-WATERING AS REQUIRED.
- LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.
- REMOVE ABANDONED FOOTINGS, UTILITIES, ETC, WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.
- NOTIFY THE COR IF ANY BURIED STRUCTURES NOT INDICATED ARE FOUND.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.
- REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE.
- EXCAVATIONS FOR FOUNDATIONS MUST BE ACCEPTED BY THE VA COR PRIOR TO PLACING REINFORCING AND CONCRETE. NOTIFY THE COR WHEN EXCAVATIONS ARE READY FOR INSPECTION.

V. REINFORCING STEEL

- REINFORCING TO CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

LOCATION	TYPE
ALL REINFORCING STEEL IN SUSPENDED SLAB, WALLS, FOUNDATIONS, AND ALL REINFORCEMENT, REINFORCING STEEL #6 AND LARGER.	ASTM A706, 60 KSI
REINFORCING STEEL #7 AND SMALLER OR IN SLABS ON GRADE, HOUSEKEEPING PADS OR CURBS.	ASTM A615, 60 KSI
WELDED STEEL WIRE FABRIC	ASTM A185, 70 KSI
SMOOTH DOWELS IN SLAB ON GRADE	ASTM A36, 36 KSI

- ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, OR HANGERS.
- TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.

VI. CAST-IN-PLACE CONCRETE

- CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE VA COR.
- ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES. SUBMIT JOINT LOCATIONS OR JOINTS NOT SHOWN TO THE VA COR FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
- AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN CONTACT SURFACES TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.
- CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS, UNLESS OTHERWISE NOTED:

LOCATION	CLEAR COVER
CONCRETE PLACED AGAINST EARTH	3 INCHES
FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: #6 BARS AND LARGER #5 BARS AND SMALLER	2 INCHES 1 1/2 INCHES
SLABS ON GRADE (TOP CLEARANCE)	1 1/2 INCHES
BEAMS, GIRDERS AND COLUMNS NOT EXPOSED TO WEATHER OR EARTH	1 1/2 INCHES
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH: #5 & SMALLER #6 & #7 #8, #9, #10 & #11 #14 & #16	1/2 INCH 1 INCH 1 1/2 INCHES 2 1/2 INCHES

- CONCRETE TYPES:

CLASS	28-DAY STRENGTH	TYPE	LOCATION	CEMENT	MAX W/C	MAX AGGR
A	3000 PSI	NWC	GRADE BEAMS, FOUNDATIONS,	I-II	0.50	1"

- 4" MAX SLUMP
- NON-SHRINK GROUT, 7000 PSI MIN, @ 28 DAYS.

VII. STRUCTURAL STEEL

- STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

SECTIONS	TYPE
ROLLED SHAPES WIDE FLANGES CHANNELS, ANGLES, & OTHER	ASTM A992, GR 50 ASTM A36
PLATES COLUMN BASE PLATES BEAM COVER/SIDE PLATES BEAM SHEAR PLATES COLUMN CONTINUITY PLATES BEAM STIFFENER PLATES OTHER, U.O.N.	ASTM A572, GR 50 ASTM A36 ASTM A36 ASTM A572, GR 50 ASTM A36 ASTM A572, GR 50
STEEL PIPE	ASTM A53 GRADE B
COLD FORMED HOLLOW STRUCTURAL SECTION (HSS)	ASTM A500 GRADE B
STAINLESS STEEL SHAPES, PLATES AND BARS	ASTM A276
BOLTS	ASTM 325X
MACHINE BOLTS	ASTM A307
ANCHOR BOLTS AND RODS	ASTM F1554 GR 55 U.O.N.
THREADED AND HANGER ROD	ASTM A307 OR A36
WELDED SHEAR CONNECTORS	ASTM A108, GRADE 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

- HOT DIP GALVANIZE 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.
- ARC-WELDING ELECTRODES/FILLER METALS TO BE LOW HYDROGEN TYPES E70XX, E70XXH OR E70XXX MINIMUM AS APPLICABLE.
- WELDERS TO BE CERTIFIED BY AWS AND THE GOVERNING JURISDICTION.
- WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.
- PROVIDE NATURAL CAMBER UP, UNLESS NOTED OTHERWISE, EXCEPT AT CANTILEVERS. AT CANTILEVERS PROVIDE CAMBER SUCH THAT TIP OF CANTILEVER IS ABOVE FINAL ELEVATION.
- SPlice MEMBERS ONLY WHERE INDICATED.
- DETAIL, FABRICATE AND ERECT IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS".

X. STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS

- AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE CONTRACTOR AND APPROVED BY THE VA TO PERFORM THE TESTS AND INSPECTION REQUIRED.
- IF INITIAL TESTS OR INSPECTIONS MADE BY THE TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.

REQUIRED SPECIAL INSPECTION / LABORATORY TESTING

A. CONTINUOUS SPECIAL INSPECTION REQUIRED FOR FIELD WELDING

B. CONTINUOUS SPECIAL INSPECTION REQUIRED FOR ANCHOR BOLTS INSTALLED IN PREVIOUSLY CAST CONCRETE

C. CONCRETE CYLINDER TESTING 7 DAY & 28 DAY STRENGTH

TAKE MIN (3) CYLINDERS AT TIME OF FOUNDATION POUR
PROVIDE 1 CYLINDER FOR 7 DAY, 1 FOR 28 DAY, AND 1 SPARE**
** ONLY TEST SPARE IF 28 DAY TEST FAILS TO MEET F_c. TEST SPARE WHEN INSTRUCTED BY COR .

XI. DESIGN CRITERIA

- APPLICABLE CODES / DESIGN STANDARDS:

VA STRUCTURAL DESIGN MANUAL FOR HOSPITAL PROJECTS
VA PROGRAM GUIDE PG-18-1, MASTER CONSTRUCTION SPECIFICATIONS
VA PROGRAM GUIDE PG-18-3, DESIGN AND CONSTRUCTION PROCEDURES
VA PROGRAM GUIDE PG-18-15, A/EI SUBMISSION INSTRUCTIONS, VOLUME B
VA HANDBOOK H-18-3, SEISMIC DESIGN REQUIREMENTS, FEBRUARY 2011
DEPARTMENT OF DEFENSE 2010 UNIFIED FACILITIES CRITERIA (UFC)
2009 IBC
ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
2005 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION STEEL BUILDINGS
2005 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SEISMIC PROVISIONS
2005 AMERICAN CONCRETE INSTITUTE (ACI) 318

- FOUNDATIONS HAVE BEEN DESIGNED WITH THE FOLLOWING CRITERIA:

SPREAD FOOTINGS:
ALLOWABLE NET SOIL PRESSURE FOR DL + LL = 3000 PSF
ALLOWABLE NET SOIL PRESSURE FOR DL + LL + EQ = 4000 PSF

- GRAVITY LOADS:

A. DEAD LOADS - VARY BASED ON ACTUAL BUILDING AND EQUIPMENT OPERATING WEIGHTS

- SEISMIC DESIGN: RESPONSE SPECTRUM

Ie = 1.5
SS = 1.50
S1 = 0.846
SDS = 1.00
SD1 = 0.846
SITE CLASS = D
OCCUPANCY CATEGORY = II
SEISMIC DESIGN CATEGORY = E

100% BID - SET

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Location Menlo Park, CA				Date JAN. 18, 2017				SN1	
Revision				Date				VA & PAHCS	