

CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION PARKING STRUCTURE 1 PHOTOVOLTAIC SYSTEM ADDITION

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VA PROJECT NUMBER: 640-424

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FA2.1.4A	LEVEL 4 AREA A FIRE ALARM NEW PLAN
FA2.1.4B	LEVEL 4 AREA B FIRE ALARM NEW PLAN

CONSTRUCTION DOCUMENTS

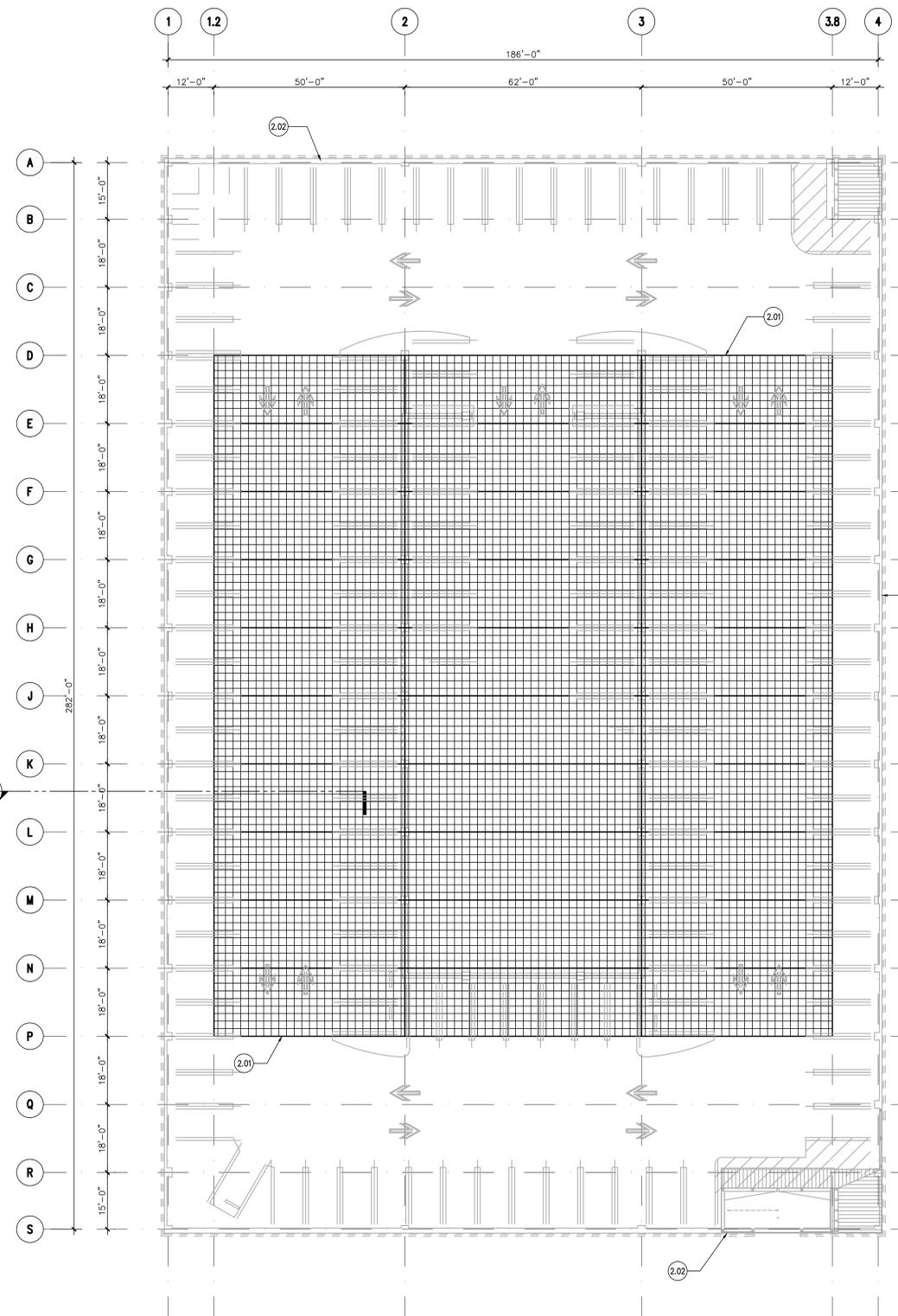
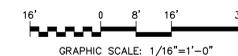
SHEET NOTES

- REFER TO SHEET G1.1.1 FOR GENERAL NOTES
- MINIMUM VERTICAL CLEARANCES:
LEVEL 4 7'-6"

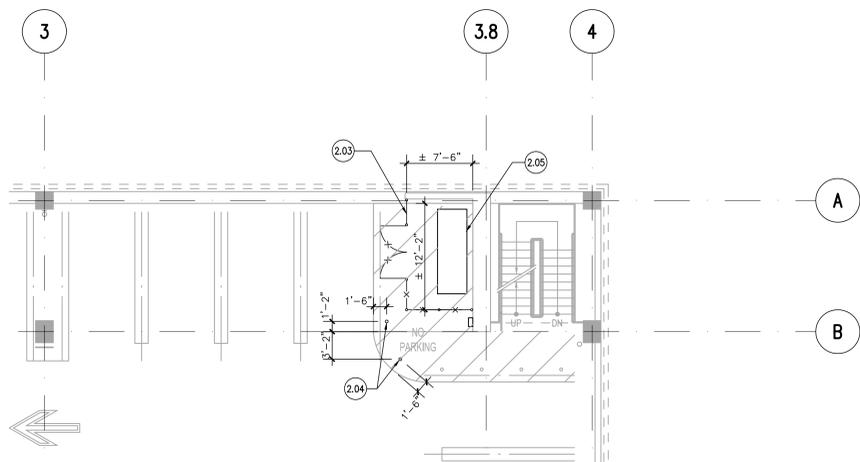
KEYNOTES

- (2.01) PHOTOVOLTAIC POWER GENERATION SYSTEM OVER STEEL FRAMING. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.
- (2.02) EXISTING PARKING STRUCTURE
- (2.03) WIRE MESH ENCLOSURE. SEE DETAIL 54 AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE HARDWARE GROUP C6. VERIFY DIMENSIONS BASED ON ELECT CLEARANCE REQUIREMENTS.
- (2.04) STEEL PIPE BOLLARDS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
- (2.05) PV INVERTER SYSTEM. SEE ELECTRICAL DRAWINGS

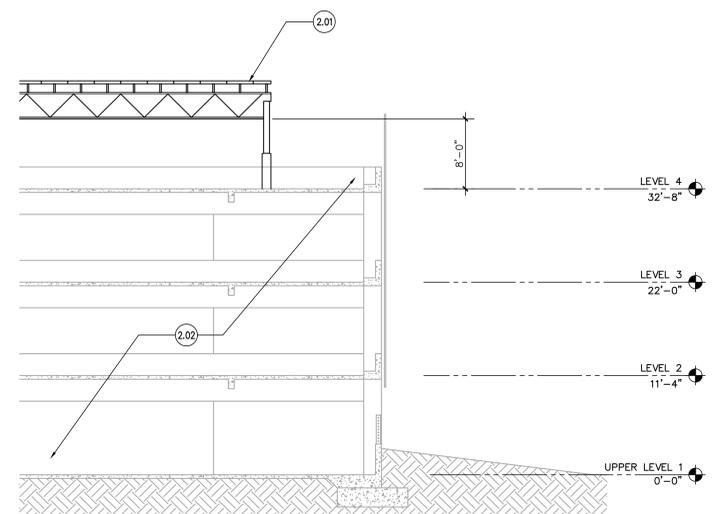
CONSTRUCTION DOCUMENTS



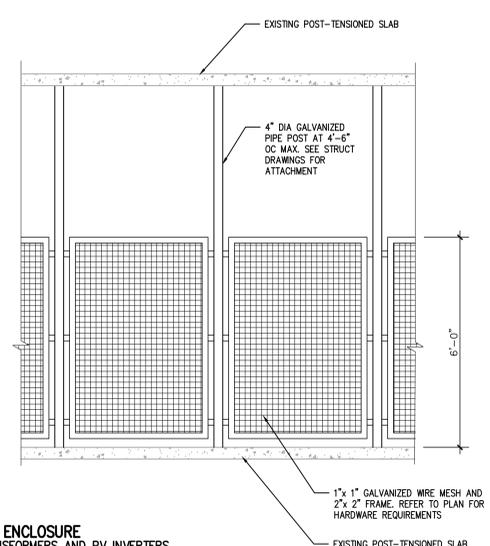
36 OVERALL ROOF PLAN
SCALE: 1/16"=1'-0"



50 PARTIAL LEVEL 2 FLOOR PLAN
SCALE: 1/8"=1'-0"



52 PARTIAL SECTION
SCALE: 1/8"=1'-0"



54 FENCE ENCLOSURE AT TRANSFORMERS AND PV INVERTERS
SCALE: 1/2"=1'-0"

CONSULTANTS:

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Drawing Title
**ROOF PLAN, PARTIAL LEVEL 2 PLAN
PARTIAL SECTION, DETAIL**

Approved Project Director
Antonio Barrantia

Project Title
CENTERS FOR AMBULATORY CARE,
POLYTRAUMA AND BLIND REHABILITATION
Parking Structure 1 Photovoltaic System Addition

Location
3801 Miranda Ave., Palo Alto CA

Date
08 FEB 2018

Checked
JMS

Drawn
EC

Project Number
640-424

Building Number
501

Drawing Number
AE2.15

Office of
Construction
and Facilities
Management



GENERAL NOTES

I. GENERAL

- MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE 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 RESIDENT ENGINEER.
- REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.
- 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 RESIDENT ENGINEER.
- DETAILS TITLED "TYPICAL DETAIL" 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 VA RESIDENT ENGINEER OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE THE DRAWINGS.
- PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHO IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE ENGINEER AND VA RESIDENT ENGINEER WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.
- 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 VA RESIDENT ENGINEER. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE VA RESIDENT ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL AND PLUMBING TRADES. SUBMIT FINAL SIZING AND LOCATION REQUIREMENTS OF OPENINGS TO THE VA RESIDENT ENGINEER FOR REVIEW.
- REFERENCE DATUM FOR THE ELEVATIONS IS LEVEL 1 PERIMETER ELEVATION = 89.0 FEET.

II. FORMWORK

- PROVIDE FOUR POCKETS IN FORMS AND UNDER EXISTING STRUCTURAL MEMBERS AS REQUIRED TO PREVENT AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE EXISTING MEMBERS. CONCRETE CAST WITH AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE MEMBERS IS NOT ACCEPTABLE.
- REMOVE FORMS AND SHORES IN ACCORDANCE WITH THE FOLLOWING:

LOCATION	REMOVE FORMS AND SHORES NO SOONER THAN
SIDE FORMS FOR BEAMS AND GIRDERS	24 HOURS
COLUMNS AND WALLS	24 HOURS

- PROVIDE CURING WHERE FORMS ARE REMOVED IN LESS THAN 7 DAYS, INCLUDING BUT NOT LIMITED TO COLUMNS.
- COMPLY WITH ACI 347 FOR MULTISTORY CONSTRUCTION SHORING.

III. REINFORCING STEEL

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

LOCATION	TYPE
REINFORCING STEEL #7 AND SMALLER	ASTM A615, 60 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, AND HANGERS AT A MAXIMUM 3-FOOT SPACING.
- WELD REINFORCING STEEL IN ACCORDANCE WITH AWS D1.4 USING QUALIFIED WELDERS.
- TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.
- PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE.

IV. 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 OWNER'S REPRESENTATIVE. SUBSTITUTION OF SHOTCRETE FOR CAST-IN-PLACE CONCRETE IS NOT ACCEPTABLE.
- ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES. LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS. SUBMIT ALTERNATE JOINT LOCATIONS OR JOINTS NOT SHOWN TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.
- AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN CONTACT SURFACES TO 1/2 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.
- REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ADDITIONAL CONCRETE CURBS AND HOUSEKEEPING PADS NOT SHOWN.
- 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	2 INCHES
#5 BARS AND SMALLER	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	1 INCH
#6 & #7	1 1/2 INCHES
#8, #9, #10 & #11	1 1/2 INCHES
#14 & #18	2 1/2 INCHES

6. CONCRETE TYPES:

CLASS	28-DAY STRENGTH	TYPE	LOCATION
A	4000 PSI	NORMAL WEIGHT	MISC. CURBS, HOUSEKEEPING PADS, ETC.

- CHAMFER: 3/4 INCH ON EXPOSED CORNERS, U.O.N.

V. STRUCTURAL STEEL

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

SECTIONS	TYPE
ROLLED SHAPES	
WIDE FLANGES	ASTM A992
CHANNELS, ANGLES, & OTHER	ASTM A36
PLATES	
COLUMN BASE PLATES	ASTM A572, GR 50
BRACE GUSSET PLATES	ASTM A572, GR 50
BEAM SHEAR CONNECTION PLATES	ASTM A36
COLUMN CONTINUITY PLATES	ASTM A572, GR 50
BEAM STIFFENER PLATES	ASTM A36
DECK CLOSURE PLATES	ASTM A36
OTHER	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 A325X
MACHINE BOLTS	ASTM A307
ANCHOR RODS	ASTM F1554, GR36
THREADED AND HANGER ROD	ASTM A572, GR50
WELDED SHEAR CONNECTORS	ASTM A 108, GRADE 1015 THROUGH 1020
WELDED THREADED STUDS	ASTM A 108, 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. HOT DIP GALVANIZED STEEL INCLUDES, BUT IS NOT LIMITED TO:
 - EMBED PLATES, COLUMNS, TRUSSES, RODS & FASTENERS.
- ARC-WELDING ELECTRODES/FILLER METALS TO BE LOW HYDROGEN TYPES E70XX, E70TXX OR E70XX MINIMUM AS APPLICABLE. ELECTRODES WITH CHARPY V-NOTCH (CVN) TESTS VALUES OF A MINIMUM 20 FOOT-POUNDS AT -20 DEGREES FAHRENHEIT ARE TO BE USED AT THE FOLLOWING LOCATIONS:
 - COMPLETE JOINT PENETRATION WELDS
 - BRACE CONNECTIONS - INCLUDING BRACE, GUSSET, BASE PLATES, BEAM STIFFENER PLATES, AND CONTINUITY PLATE FILLET AND PARTIAL JOINT PENETRATION WELDS
 - WELDS NOTED "CVN" ON THE DRAWINGS
- 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.

VI. ADHESIVE ANCHORS AND DOWELS

- ANCHORS AND DOWELS INSTALLED INTO CONCRETE. ANCHORS ARE TO HAVE BEEN TESTED AND QUALIFIED FOR USE IN CRACKED CONCRETE PER ACI 308.2 AND ICC-ES AC308. ANCHORS TO HAVE A CURRENT ICC-ES REPORT APPROVED FOR CRACKED CONCRETE (SEISMIC) USE UNDER THE 2006 IBC. INSTALL ANCHORS PER ICC-ES REPORT AND MFR'S INSTRUCTIONS. EMBEDMENT DEPTH FOR ANCHORS AND DOWELS IS AS FOLLOWS, UNLESS OTHERWISE NOTED. THE TESTING LABORATORY WILL PERFORM TENSION TESTS ON 25% OF ANCHORS AND DOWELS TO THE FOLLOWING TEST LOADS. X-RAY OR FERROSCAN CONCRETE TO LOCATE REINFORCING AND POST TENSIONING CABLES. PRIOR TO DRILLING ANY HOLES. DO NOT CUT ANY REINFORCING OR PT CABLES.

ROD DIA. OR BAR SIZE	EMBEDMENT	TEST LOAD
3/8"	4"	1800#
1/2"	5"	3200#
5/8"	6"	5000#
3/4"	7"	7100#
7/8"	9"	9700#
1"	11"	12800#
#3	5"	3000#
#4	6 1/2"	5400#
#5	8"	8400#
#6	10"	11900#
#7	12"	16200#
#8	14"	21300#

- ANCHORS: ASTM A572 GR50 THREADED RODS WITH ASTM A 563 GRADE A NUTS AND ANSI B18.22.1 TYPE A WASHERS, UNLESS OTHERWISE NOTED. ANCHORS DESIGNATED AS ASTM A193 GRADE B7 THREADED RODS TO USE ASTM A 563 GRADE DH HEAVY HEX NUTS AND ASTM F 436 WASHERS.
- DOWELS: ASTM A615 GRADE 60 REINFORCING STEEL.
- REMOVE GREASE, OIL, RUST, AND OTHER LAITANCE FROM RODS AND DOWELS PRIOR TO INSTALLATION.
- REPLACE ANCHORS AND DOWELS THAT FAIL DURING TESTING AND RETEST. IF MORE THAN 10% OF THE TESTED DOWELS AND ANCHORS FAIL TO ACHIEVE THE SPECIFIED TEST LOAD, TEST 100% OF THE DOWELS AND ANCHORS INSTALLED IN THE LAST 2 DAYS OF ANCHOR INSTALLATION.
- PREPARE HOLES AND INSTALL ANCHORS AND DOWELS IN ACCORDANCE WITH ICC-ES REPORT AND MANUFACTURERS INSTRUCTIONS.
- IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
- LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.

VII. STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS

- AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTIONS. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED BY THE CONTRACT DOCUMENTS.
- IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S 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.
- THE FOLLOWING ITEMS REQUIRE TESTS & INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHAPTER "STRUCTURAL TESTS AND INSPECTIONS" OF THE 2006 INTERNATIONAL BUILDING CODE. ADDITIONAL ITEMS AND REQUIREMENTS FOR TESTS AND INSPECTIONS ARE IDENTIFIED IN THE SPECIFICATIONS.
 - STRUCTURAL STEEL
 - WELDING
- NOTIFY THE ENGINEER AT SIGNIFICANT CONSTRUCTION STAGES 72 HOURS IN ADVANCE AND PROVIDE ACCESS FOR THE FOLLOWING STRUCTURAL OBSERVATIONS:
 - STEEL FRAMING

1. GENERAL

VIII. DESIGN CRITERIA

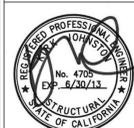
- APPLICABLE CODE: 2009 INTERNATIONAL BUILDING CODE AND VA H-18-8
- GRAVITY LOADS: DEAD LOAD - 8 PSF FOR PV PANELS & SUPPLEMENTARY FRAMING. PV INSTALLER/DESIGNER TO SHOW COMPLIANCE W/ DEAD LOAD CRITERIA FOR PV FRAMING SYSTEM LIVE LOAD - 40 PSF FOR MAINTENANCE CATWALK. MAINTENANCE CATWALK TO BE DESIGNED AND INSTALLED BY CONTRACTOR
- SEISMIC DESIGN: EQUIVALENT LATERAL FORCE PROCEDURE BASE SHEAR, V = 298 KIPS WHERE: R = 2.5 CD = 2.5 SPECIAL CONCRETE CANTILEVER COLUMNS SS = 1.96 S1 = 0.83 SITE CLASS D SDS = 1.31 SD1 = 0.83 I = 1.0 OCCUPANCY CATEGORY II SEISMIC DESIGN CATEGORY E Cs = 0.524
- WIND DESIGN: BASIC WIND SPEED, V = 85 mph IMPORTANCE FACTOR, I = 1.0 OCCUPANCY CATEGORY II WIND EXPOSURE CATEGORY B COMPONENTS & CLADDING ZONE 3 - 53, + 55 PSF ZONE 2 - 18, + 19 PSF
- DESIGN TEAM

JAMES MALLEY	PROJECT MENTOR
KIRK JOHNSTON	PROJECT MANAGER
DAVID CHIANG	DESIGNER
KEN MARTIN	SENIOR CAD SPECIALIST

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Drawing Title
GENERAL NOTES

Approved: Project Director

Caterina Baccantini

Project Title
 CENTERS FOR AMBULATORY CARE,
 POLYTRAUMA AND BLIND REHABILITATION
 Parking Structure 1 Photovoltaic System Addition

Location
 3801 Miranda Ave., Palo Alto CA

Date
 8 FEB 2013

Checked

Drawn

Project Number
 640-424

Building Number
 501

Drawing Number
SF0.1.1

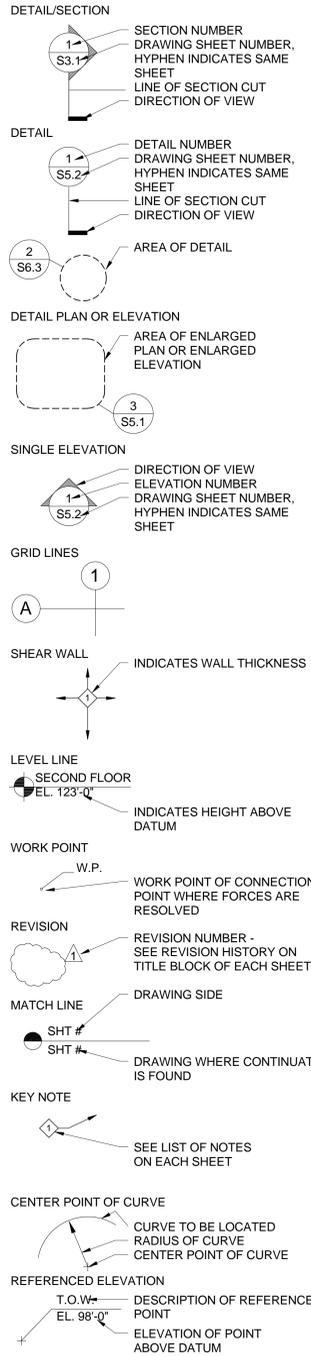
Dwg. 1 of 10

CONSTRUCTION DOCUMENTS

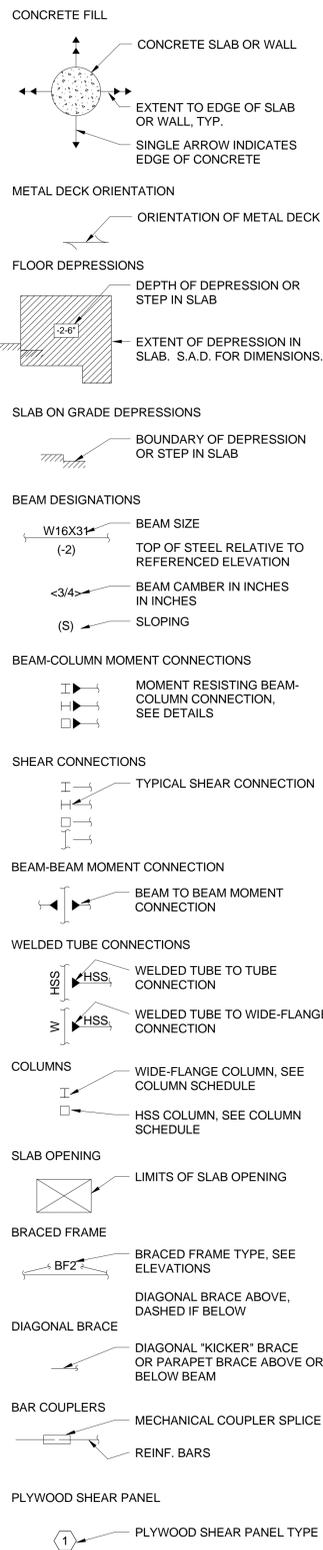
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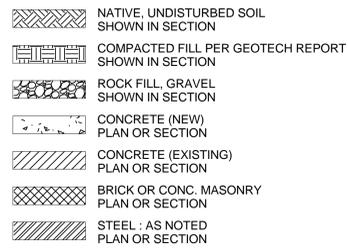
REFERENCE SYMBOLS



PLAN SYMBOLS



MATERIAL SYMBOLS



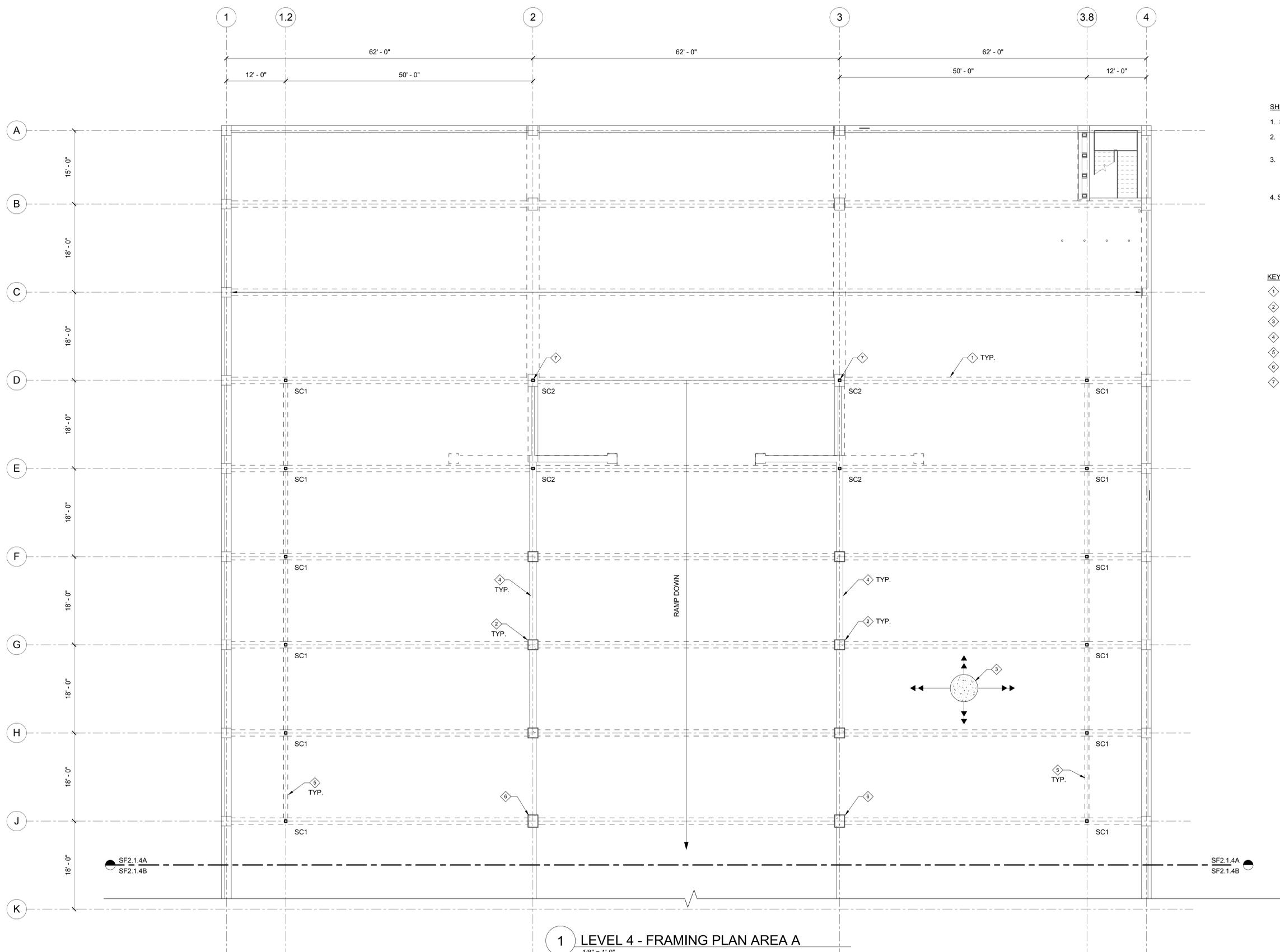
GENERAL ABBREVIATIONS

(E)	EXISTING	dh	HOOK DEVELOPMENT LENGTH
(N)	NEW	LEV.	LEVEL
&	AND	LLBB	LONG LEG BACK TO BACK
AT	AT	LLH	LONG LEG HORIZONTAL
@	ADHESIVE ANCHOR	LLV	LONG LEG VERTICAL
A.A.	ANCHOR BOLT	L.P.	LOW POINT
A.B.	ABOVE	LOC.	LOCATION
ABV	ADDITIONAL	LONGIT.	LONGITUDINAL
ADDL	ADJACENT	LAP	LAP SPLICE LENGTH
ADJ.	AGGREGATE	LT	LIGHT
AGGR.	ALTERNATE	LWC	LIGHTWEIGHT CONCRETE
ALT.	AMERICAN NATIONAL STANDARDS INSTITUTE	MAX.	MAXIMUM
ANSI	APPROXIMATE	MECH.	MECHANICAL
APPROX.	ARCHITECTURAL	M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING DOCUMENTS
ARCH.	AMERICAN SOCIETY for TESTING and MATERIALS	MTL	METAL
ASTM	AMERICAN WIRE GAUGE	MFR	MANUFACTURER
AWG	BETWEEN	MIN.	MINIMUM
BET.	BUILDING	MISC.	MISCELLANEOUS
BLDG	BLOCKING	M.R.	MECHANICAL RISER
BLW	BELOW	MTD.	MOUNTED
BM, BMS	BEAM, BEAMS	N	NORTH
B.O.F.	BOTTOM OF FOOTING	N.F.	NEAR FACE
BOT.	BOTTOM	N.I.C.	NOT IN CONTRACT
BRG	BEARING	N.S.	NEAR SIDE
B.S.	BOTH SIDES	N.T.S.	NOT TO SCALE
C	CHANNEL	NO. or #	NUMBER
C.G.S.	CENTER OF GRAVITY STEEL	NOM.	NOMINAL (DIAMETER)
CL	CENTERLINE	NWC	NORMAL WEIGHT CONCRETE
C.I.P.	CAST IN PLACE	O.C.	ON CENTER
CLG	CEILING	O.D.	OUTSIDE DIAMETER (DIM)
CLR	CLEAR	O.H.	OPPOSITE HAND
COL.	COLUMN	OPNG	OPENING
CONC.	CONCRETE	OPP.	OPPOSITE
CONN.	CONNECTION	P.A.F.	POWDER ACTUATED FASTENER
CONSTR.	CONSTRUCTION	PC, PCS.	PIECE, PIECES
CONT.	CONTINUOUS	PERP.	PERPENDICULAR
CP	COMPLETE PENETRATION	PL	PLATE
CTR	CENTER	P/N	PART NUMBER
d	PENNY (NAIL SIZE)	PP	PARTIAL PENETRATION
DEMO.	DEMOLITION	PR	PAIR
DET., DETS	DETAIL, DETAILS	PT	POINT
DIA. or Ø	DIAMETER	PTN	PARTITION
DIM., DIMS	DIMENSION, DIMENSIONS	PV	PHOTOVOLTAIC PANEL
DN	DOWN	R or RAD.	RADIUS
DO	DITTO	REBAR	REINFORCING BAR
DWL, DWLS	DOWEL, DOWELS	REF.	REFERENCE
DWG, DWGS	DRAWING, DRAWINGS	REINF.	REINFORCED or REINFORCING
EA.	EACH	REQD	REQUIRED
E.A.	EXPANSION ANCHOR	REV.	REVISE or REVISION
E.F.	EACH FACE	S.A.D.	SEE ARCH. DOCUMENTS
E.S.	EACH SIDE	SCHED.	SCHEDULE
E.W.	EACH WAY	SECT.	SECTION
ELEC.	ELECTRICAL	SHT	SHEET
EL.	ELEVATION	SIM.	SIMILAR
EMBED.	EMBEDMENT	SL	SLOPE
EQ	EQUAL	SMS	SHEET METAL SCREW
EQUIP.	EQUIPMENT	S.O.G.	SLAB ON GRADE
E.J.	EXPANSION JOINT	S.P.	STAND PIPE
EV.	EVERY	SPEC., SPECS	SPECIFICATION, SPECIFICATIONS
EXP.	EXPANSION	SQ.	SQUARE
EXT.	EXTERIOR	SS	STAINLESS STEEL
F.F.	FAR FACE	STAGG.	STAGGER or STAGGERED
F.D.	FLOOR DRAIN	STD	STANDARD
FDN	FOUNDATION	STIFF.	STIFFENER
FIN.	FINISH	STIR.	STIRRUP or STIRRUPS
FLR, FLRS	FLOOR, FLOORS	STL	STEEL
F.O.	FACE OF	STRUC.	STRUCTURAL
F.O.C.	FACE OF CONCRETE	SUBST.	SUBSTITUTE
FP	FIREPROOFING	SUSP.	SUSPENDED
F.S.	FAR SIDE	SYM.	SYMMETRICAL
FT	FOOT or FEET	T	TOP
FTG, FTGS	FOOTING, FOOTINGS	T&B	TOP AND BOTTOM
GA.	GAUGE	THRU	THROUGH
GALV.	GALVANIZED	T.O.	TOP OF
GRND	GROUND	T.O.CONC.	TOP OF CONCRETE
GR.	GRADE	T.O.STL	TOP OF STEEL
HCF	HOLE CLEARANCE FILLER	T.O.SLAB	TOP OF STRUCTURAL SLAB
H.D.G.	HOT DIPPED GALVANIZED	TYP.	TYPICAL
HSB	HIGH STRENGTH BOLTS	U.O.N.	UNLESS OTHERWISE NOTED
HT	HEIGHT	URM	UNREINFORCED MASONRY
HSS	HOLLOW STRUCTURAL STEEL	VERT., (V)	VERTICAL
HORIZ., (H)	HORIZONTAL	V.I.F.	VERIFY IN FIELD
I.D.	INSIDE DIAMETER	W or WF	WIDE FLANGE
INFO.	INFORMATION	W/	WITH
JST, JSTS	JOIST, JOISTS	W/O	WITHOUT
JT	JOINT	W.P.	WORK POINT
K.O.	KNOCK-OUT	WT	WEIGHT
L	ANGLE	WWM	WELDED WIRE MESH
ld	DEVELOPMENT LENGTH	X STR.	EXTRA STRONG

CONSTRUCTION DOCUMENTS

<p>CONSULTANTS:</p> <p>DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 Phone 415.981.3157 Fax www.degenkolb.com</p>		<p>Seals and Signatures</p>		<p>ARCHITECT/ENGINEERS:</p> <p>SMITHGROUP architecture engineering interiors planning</p> <p>301 BATTERY STREET, 7TH FLOOR SAN FRANCISCO, CA 94111 T 415.227.0100 F 415.882.7718 www.smithgroup.com</p> <p>Associate Architect The Design Partnership LLP Architects + Planners</p> <p>1412 VAN NESS AVE., 2ND FLOOR SAN FRANCISCO, CA 94109 T 415.777.3737 F 415.777.3476 www.dpsl.com</p>		<p>Drawing Title SYMBOLS AND ABBREVIATIONS</p> <p>Approved: Project Director </p>		<p>Project Title CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition</p> <p>Project Number 640-424</p> <p>Building Number 501</p>		<p>Location 3801 Miranda Ave., Palo Alto CA</p> <p>Date 8 FEB 2013</p> <p>Checked</p> <p>Drawn</p>		<p>Drawing Number SF0.1.2</p> <p>Dwg. 2 of 10</p>		<p>Office of Construction and Facilities Management</p>	
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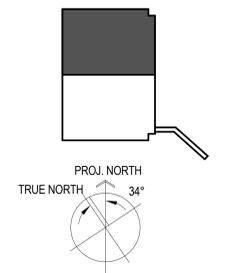
A
 B
 C
 D
 E
 F
 G
 H
 J
 K
 one eighth inch = one foot
 one quarter inch = one foot
 three eighths inch = one foot
 one half inch = one foot
 one and one half inches = one foot
 three inches = one foot
 five inches = one foot
 six inches = one foot



- SHEET NOTES:**
- SEE DETAIL 20/SF7.1.1 FOR STEEL COLUMN SCHEDULE (SC#)
 - T.O. SLAB = +32'-8" AT PERIMETER, S.A.D. FOR SLAB SLOPE INFORMATION
 - CONTRACTOR TO SURVEY ELEVATIONS OF (E) STEEL EMBED PLATES AT STEEL COLUMN LOCATIONS AND DETERMINE APPROPRIATE LENGTH OF COLUMN PRIOR TO PREPARATION OF SHOP DWGS.
 - SEE 18/SF7.1.2 FOR LEVEL 2 PARTIAL PLAN AT INVERTER.

- KEY NOTES:**
- 1 (E) 14"x30" POST-TENSIONED CONCRETE BEAM
 - 2 (E) 24"x24" CONCRETE COLUMN
 - 3 (E) 5" POST-TENSIONED CONCRETE SLAB
 - 4 (E) 16" CONCRETE WALL
 - 5 (E) 10"x15" POST-TENSIONED CONCRETE BEAM
 - 6 (E) 24"x30" CONCRETE COLUMN
 - 7 REMOVE WELDED THREADED STUDS USED FOR ATTACHING (E) LIGHT POLE BASE. GRIND FLUSH AND REPAIR H.D.G. PRIOR TO INSTALLATION OF (N) STEEL COLUMN.

1 LEVEL 4 - FRAMING PLAN AREA A
1/8" = 1'-0"

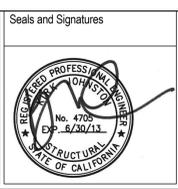


CONSTRUCTION DOCUMENTS

Revision 2	Date

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Drawing Title
LEVEL 4 - FRAMING PLAN AREA A

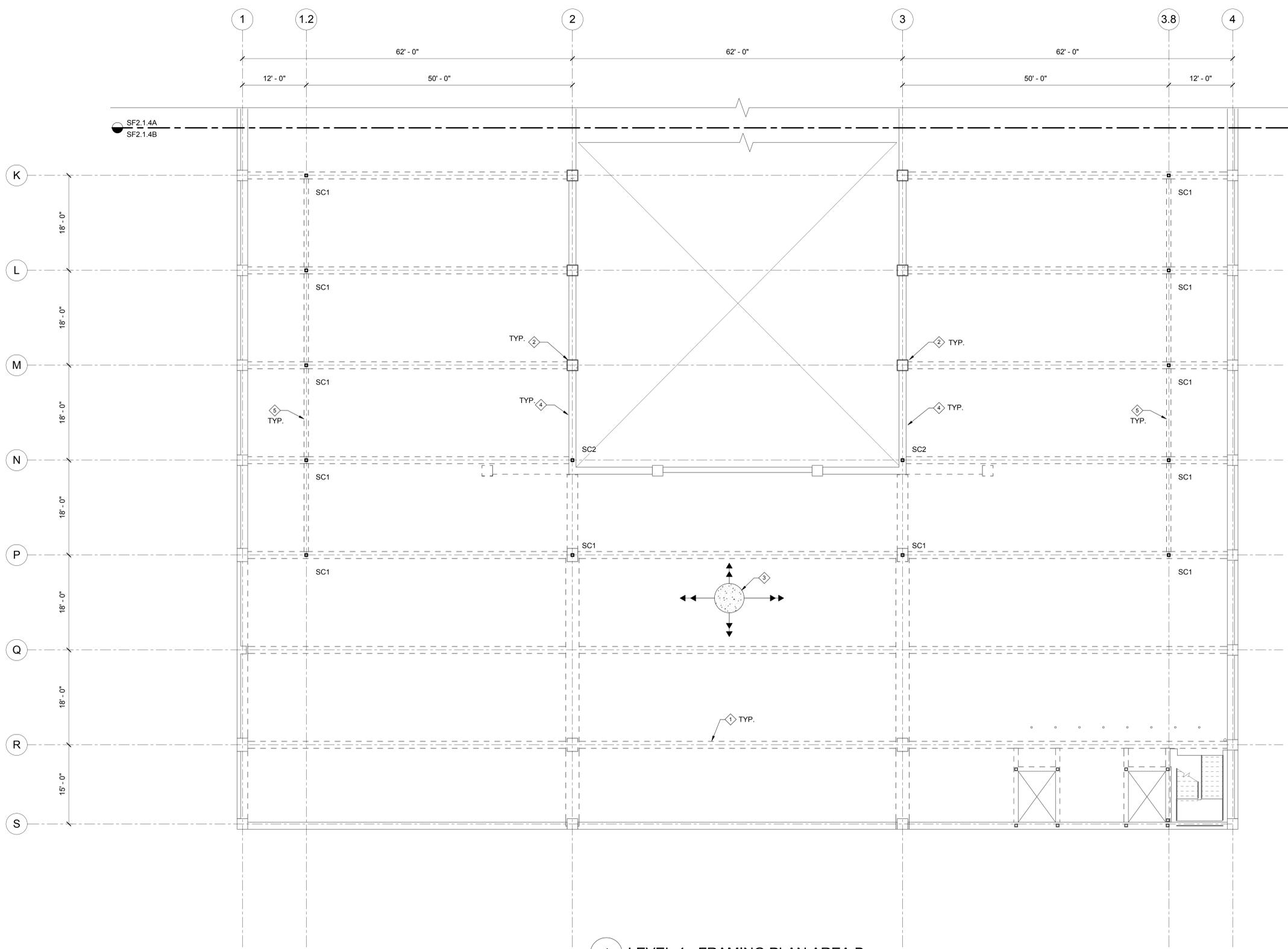
Approved: Project Director

Project Title CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition		
Project Number 640-424	Building Number 501	Drawing Number SF2.1.4A
Location 3801 Miranda Ave., Palo Alto CA	Date 8 FEB 2013	Checked Drawn
Dwg. 4 of 10		

Office of Construction and Facilities Management

Department of Veterans Affairs

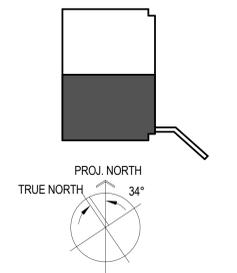
A
 B
 C
 D
 E
 F



- SHEET NOTES:**
- SEE DETAIL 20/SF7.1.1 FOR STEEL COLUMN SCHEDULE (SC#)
 - T.O. SLAB = +32'-8" AT PERIMETER. S.A.D. FOR SLAB SLOPE INFORMATION
 - CONTRACTOR TO SURVEY ELEVATIONS OF (E) STEEL EMBED PLATES AT STEEL COLUMN LOCATIONS AND DETERMINE APPROPRIATE LENGTH OF COLUMN PRIOR TO PREPARATION OF SHOP DWGS.
 - SEE 18/SF7.1.2 FOR LEVEL 2 PARTIAL PLAN AT INVERTER.

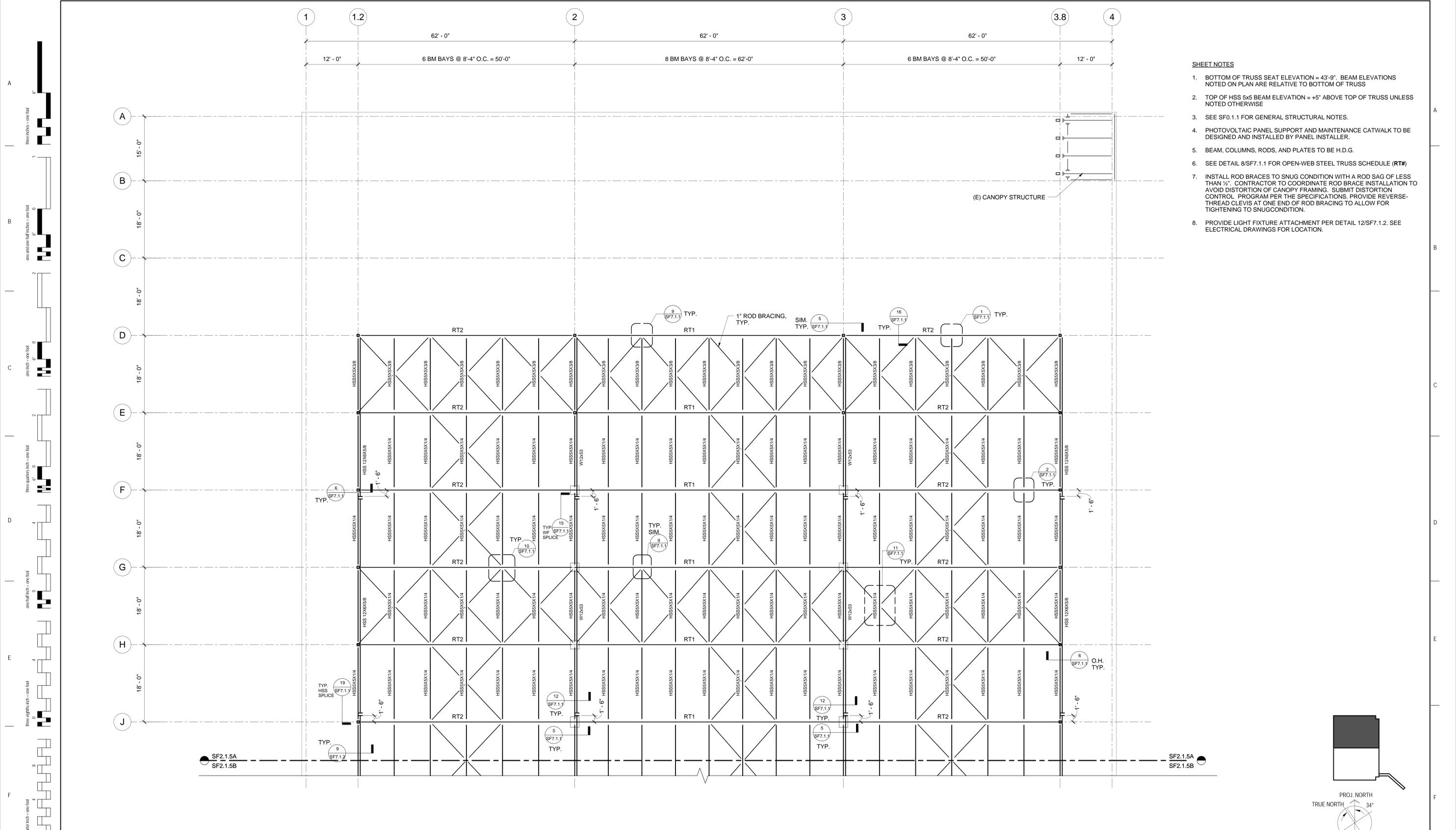
- KEY NOTES:**
- ① (E) 14"x30" POST-TENSIONED CONCRETE BEAM
 - ② (E) 24"x24" CONCRETE COLUMN
 - ③ (E) 5" POST-TENSIONED CONCRETE SLAB
 - ④ (E) 16" CONCRETE WALL
 - ⑤ (E) 10"x15" POST-TENSIONED CONCRETE BEAM

1 LEVEL 4 - FRAMING PLAN AREA B
1/8" = 1'-0"



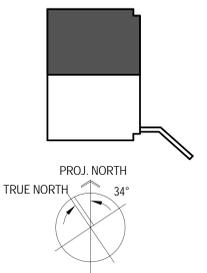
CONSTRUCTION DOCUMENTS

Revisions: Revision 2 Date:	CONSULTANTS: DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 Phone 415.981.3157 Fax www.degenkolb.com	Seals and Signatures 	ARCHITECT/ENGINEERS: SMITHGROUP architecture engineering interiors planning 301 BATTERY STREET, 7TH FLOOR SAN FRANCISCO, CA 94111 T 415.227.0100 F 415.882.7718 www.smithgroup.com	Associate Architect The Design Partnership LLP Architects + Planners 1412 VAN NESS AVE., 2ND FLOOR SAN FRANCISCO, CA 94109 T 415.777.3737 F 415.777.3476 www.dpsf.com	Drawing Title LEVEL 4 - FRAMING PLAN AREA B	Project Title CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition	Project Number 640-424	Office of Construction and Facilities Management
					Approved: Project Director 	Location 3801 Miranda Ave., Palo Alto CA	Building Number 501	
					Date 8 FEB 2013	Checked	Drawn	Dwg. 5 of 10



- SHEET NOTES**
1. BOTTOM OF TRUSS SEAT ELEVATION = 43'-9". BEAM ELEVATIONS NOTED ON PLAN ARE RELATIVE TO BOTTOM OF TRUSS
 2. TOP OF HSS 8x8 BEAM ELEVATION = +5" ABOVE TOP OF TRUSS UNLESS NOTED OTHERWISE
 3. SEE SF0.1.1 FOR GENERAL STRUCTURAL NOTES.
 4. PHOTOVOLTAIC PANEL SUPPORT AND MAINTENANCE CATWALK TO BE DESIGNED AND INSTALLED BY PANEL INSTALLER.
 5. BEAM, COLUMNS, RODS, AND PLATES TO BE H.D.G.
 6. SEE DETAIL 8/SF7.1.1 FOR OPEN-WEB STEEL TRUSS SCHEDULE (RT#)
 7. INSTALL ROD BRACES TO SNUG CONDITION WITH A ROD SAG OF LESS THAN 1/2". CONTRACTOR TO COORDINATE ROD BRACE INSTALLATION TO AVOID DISTORTION OF CANOPY FRAMING. SUBMIT DISTORTION CONTROL PROGRAM PER THE SPECIFICATIONS. PROVIDE REVERSE-THREAD CLEVIS AT ONE END OF ROD BRACING TO ALLOW FOR TIGHTENING TO SNUG CONDITION.
 8. PROVIDE LIGHT FIXTURE ATTACHMENT PER DETAIL 12/SF7.1.2. SEE ELECTRICAL DRAWINGS FOR LOCATION.

1 PV CANOPY - FRAMING PLAN AREA A
1/8" = 1'-0"

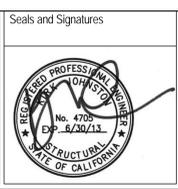


CONSTRUCTION DOCUMENTS

Revisions:	Date:

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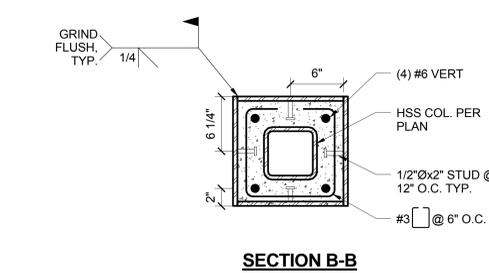
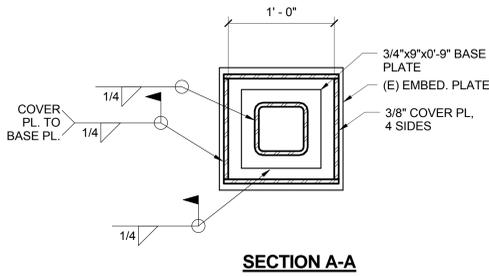
Drawing Title:
PV CANOPY - FRAMING PLAN AREA A

Approved: Project Director
Catrina Baccantini

Project Title: CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition	Project Number: 640-424
Location: 3801 Miranda Ave., Palo Alto CA	Building Number: 501
Date: 8 FEB 2013	Checked:
Drawn: 	Drawing Number: SF2.1.5A
	Dwg. 7 of 10

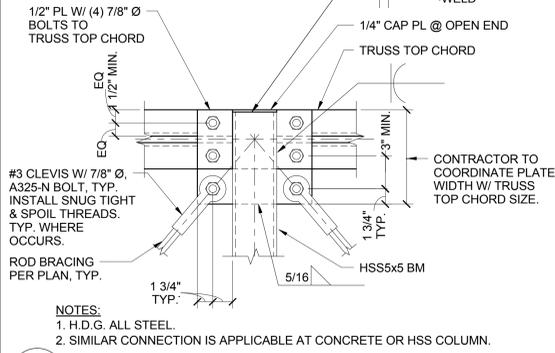
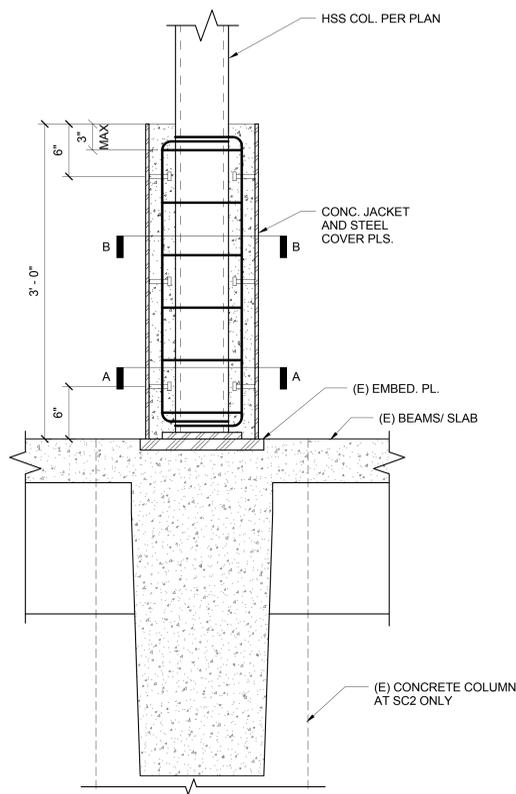
Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

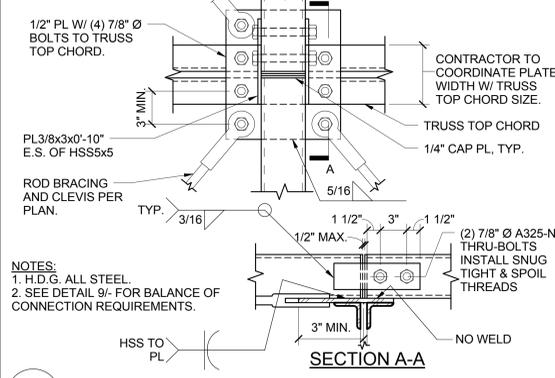


NOTES:
1. H.D.G. ALL STEEL.
2. OMIT CONCRETE JACKET AND STEEL COVER PLATES AT COLUMN SC2.

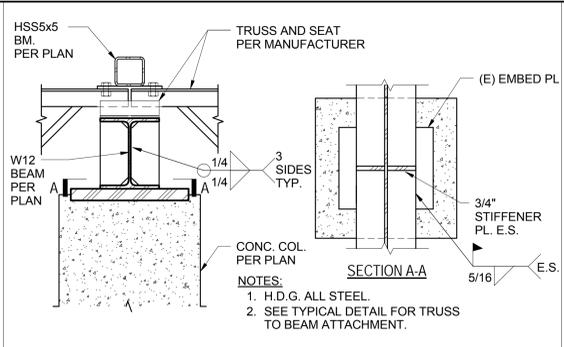
18 TRELLIS BASE PLATE CONNECTION
1 1/2" = 1'-0"



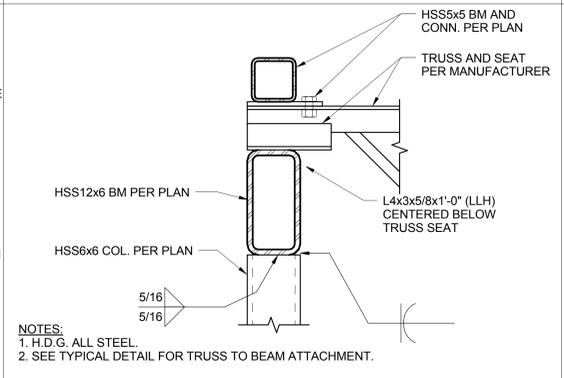
9 BRACE TO HSS CONNECTION
1 1/2" = 1'-0"



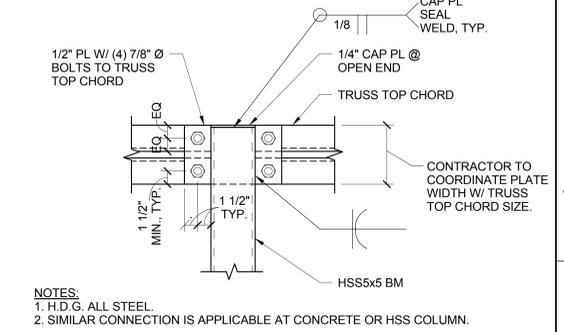
10 BRACE TO HSS CONNECTION
1 1/2" = 1'-0"



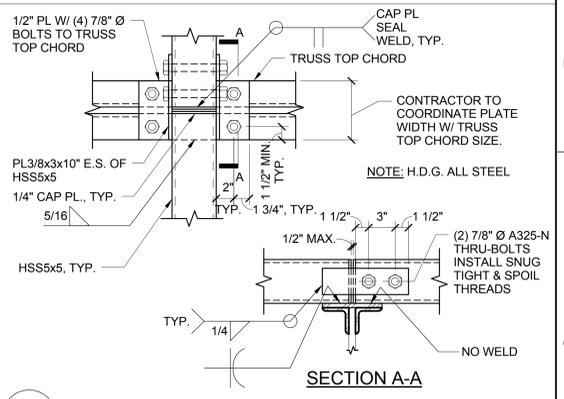
5 W12 TO CONCRETE COLUMN CONNECTION
1" = 1'-0"



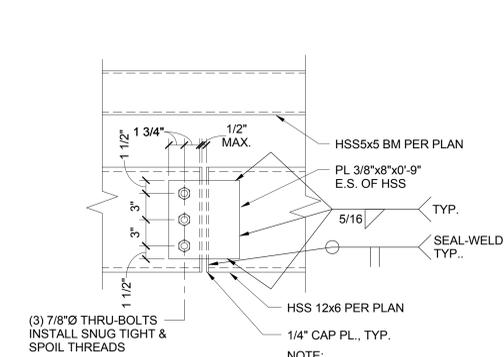
6 HSS COLUMN CONN.
1 1/2" = 1'-0"



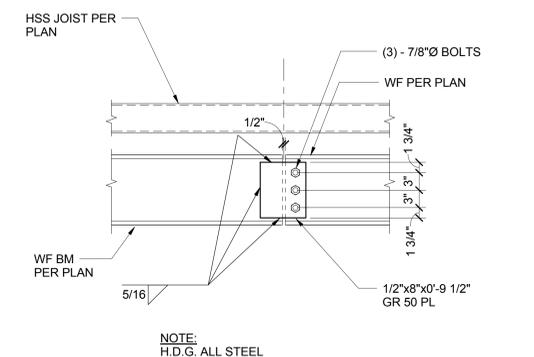
1 HSS TO TRUSS CONNECTION
1 1/2" = 1'-0"



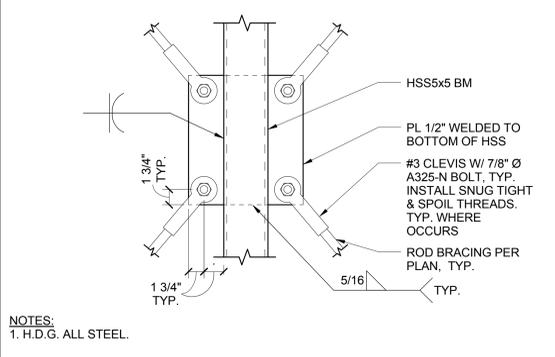
2 HSS TO TRUSS CONNECTION
1 1/2" = 1'-0"



19 HSS BEAM SPLICE
1 1/2" = 1'-0"



15 WF BEAM SPLICE DETAIL
1" = 1'-0"

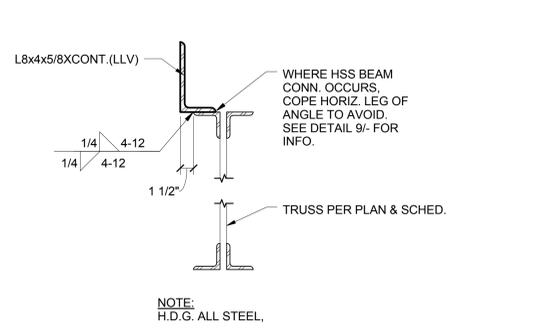


11 BRACE TO HSS CONNECTION
1 1/2" = 1'-0"

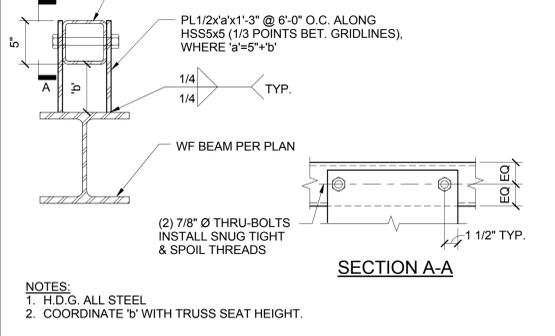
SC1	SC2	COL. MARK	ELEVATION
HSS6x6x1/2	HSS6x6x1/2	T.O. CONC.	
	OMIT CONC. & STEEL JACKET @ BASE	LEVEL 4	REMARKS

NOTES:
1. SEE 18/- FOR BASE PLATE DETAIL
2. H.D.G. ALL STEEL

20 COLUMN SCHEDULE
1 1/2" = 1'-0"



16 EDGE ANGLE AT END TRUSS
1 1/2" = 1'-0"



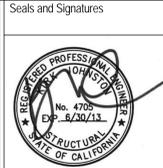
12 HSS TO WF CONNECTION
1 1/2" = 1'-0"

MARK	D	SPACING	DEAD LOAD	WIND LOAD	SEISMIC	LOAD CASE	REMARKS
RT1	36"	18'-0"	P1 = 1.7 KIPS	P1 = +/- 1.8 KIPS	E1 = 14 KIPS		HOT DIP GALVANIZED AND ALL BOLTED CONNECTIONS. DRILL HOLES IN CHORDS AS REQ'D BY BM FRAMING DETAILS.
RT2	36"	18'-0"	P1 = 1.8 KIPS	P1 = +/- 2 KIPS	E1 = 24 KIPS		HOT DIP GALVANIZED AND ALL BOLTED CONNECTIONS. DRILL HOLES IN CHORDS AS REQ'D BY BM FRAMING DETAILS.

NOTES:
1. P = DENOTES CONCENTRATED LOADS, NEGATIVE SIGN DENOTES LOAD ACTING UPWARD. E = DENOTES SEISMIC LOAD, TENSION OR COMPRESSION, IN LOCATION SHOWN. LOADS ARE UNFACTORED
2. DEPTHS SHOWN ARE MAXIMUM, U.O.N.
3. ALL BRIDGING CONNECTIONS TO BE WELDED OR BOLTED TIGHT TO DEVELOP FRICTION CONNECTION WITH WASHERS USED OVER SLOTTED HOLES.
4. DESIGN EACH CHORD OF TRUSSES FOR A CONCENTRATED VERTICAL DOWNWARD LOAD AT ANY POINT OF 1000 LBS. ALSO DESIGN TOP AND BOTTOM CHORDS OF TRUSSES FOR TWO 1000 LB LOADS, EACH PLACED AT THE CENTER OF ADJACENT PANELS. THESE LOADS ARE IN ADDITION TO DESIGN LOADS NOTED ON THIS SHEET.
5. DESIGN TRUSSES FOR WORST CASE BETWEEN 40 PSF DISTRIBUTED AND 300 LBS CONCENTRATED LIVE LOAD AT MAINTENANCE CATWALK AS DESIGNED BY INSTALLER. THIS LOAD IS IN ADDITION TO DESIGN LOADS NOTED ON THIS SHEET.
6. DESIGN TOP CHORD OF TRUSSES ON GRIDLINES D AND P TO SUPPORT THE LOADS FROM LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS AND DETAIL 12/SFT.1.2 FOR MOUNTING CONDITIONS.

8 CANOPY FRAMING SCHEDULE TRUSSES
N.T.S.

CONSULTANTS:
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Drawing Title
TRELLIS DETAILS

Approved: Project Director
Cristina Baccantini

Project Title
CENTERS FOR AMBULATORY CARE,
POLYTRAUMA AND BLIND REHABILITATION
Parking Structure 1 Photovoltaic System Addition

Project Number
640-424

Building Number
501

Location
3801 Miranda Ave., Palo Alto CA

Date
8 FEB 2013

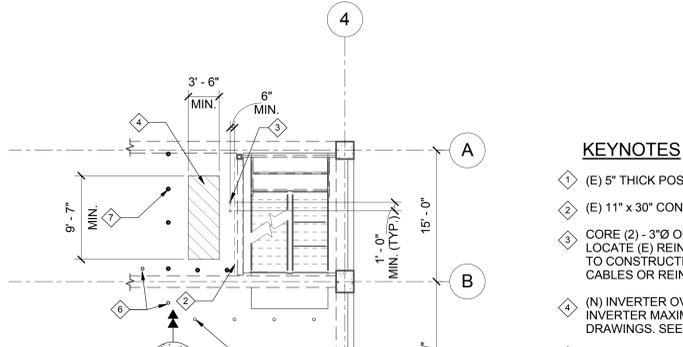
Checked
Drawn

Drawing Number
SF7.1.1

Dwg. 9 of 10

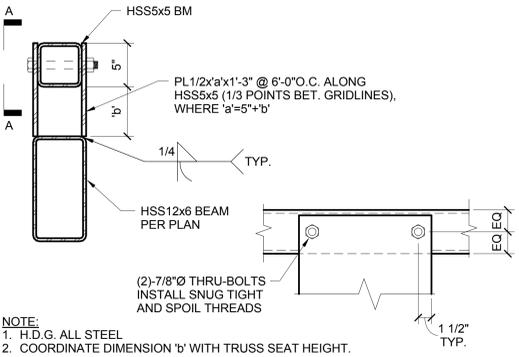
Office of
Construction
and Facilities
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Department of
Veterans Affairs

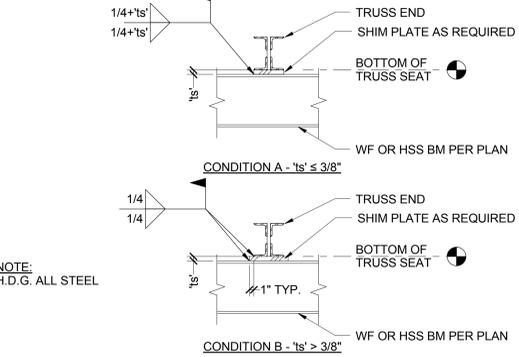


18 LEVEL 2 PARTIAL PLAN
1/8" = 1'-0"

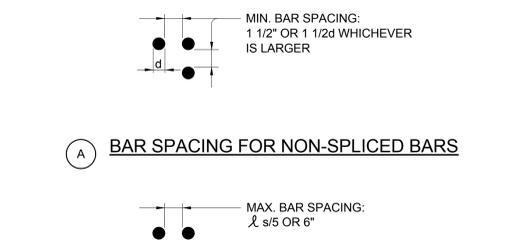
- KEYNOTES**
- ① (E) 5" THICK POST-TENSIONED CONCRETE SLAB
 - ② (E) 11" x 30" CONCRETE BEAM
 - ③ CORE (2) - 3"Ø OPENINGS INTO (E) CONCRETE SLAB LOCATE (E) REINF. AND POST-TENSIONED CABLES PRIOR TO CONSTRUCTION. DO NOT CUT (E) POST-TENSIONED CABLES OR REINFORCING.
 - ④ (N) INVERTER OVER 6" CONCRETE HOUSE KEEPING PAD. INVERTER MAXIMUM WEIGHT 5,300 LBS. SEE ELECTRICAL DRAWINGS. SEE DETAIL 11/- FOR HOUSEKEEPING PAD.
 - ⑤ (E) BOLLARDS
 - ⑥ (N) BOLLARD PER 15', TYP. OF 2. FOR LOCATION S.A.D.
 - ⑦ (N) STEEL POST PER 16'- TO SUPPORT WIRE MESH AROUND INVERTER. S.A.D.



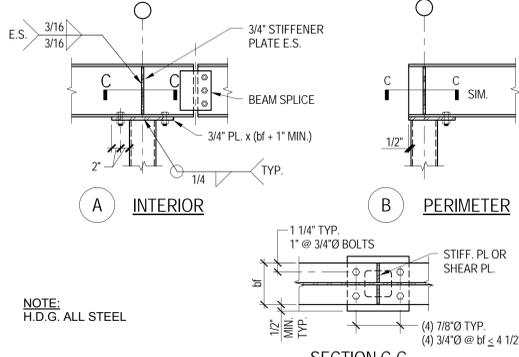
9 HSS TO HSS CONNECTION
N.T.S.



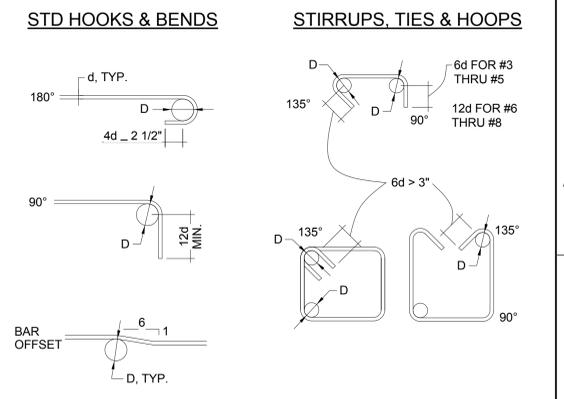
10 TYPICAL DETAIL: TRUSS TO SEAT ATTACHMENT
N.T.S.



5 TYPICAL DETAIL: BAR SPACING IN CONCRETE
N.T.S.



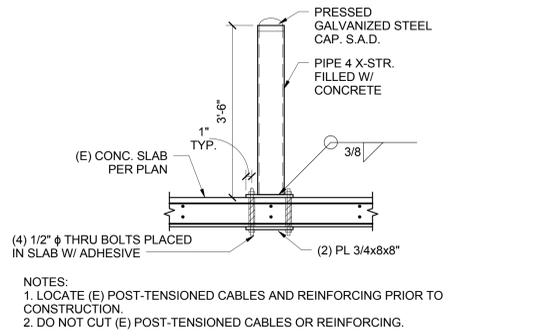
6 TYPICAL DETAIL: SEATED WF TO HSS COLUMN
N.T.S.



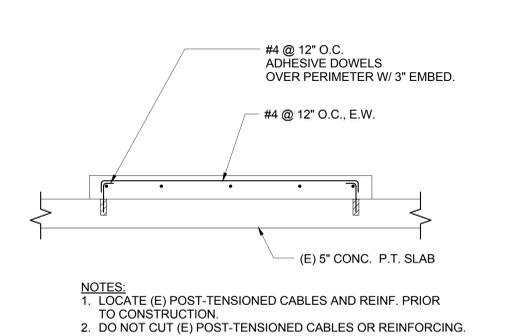
BAR SIZE	BEND DIAMETER, D	
	STD HOOKS & BENDS	STIRRUPS, TIES & HOOPS
#3 THRU #5	6d	4d
#6 THRU #8	6d	6d
#9 THRU #11	8d	NA
#14 THRU #18	10d	NA

NOTE:
1. DO NOT FIELD BEND REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE.

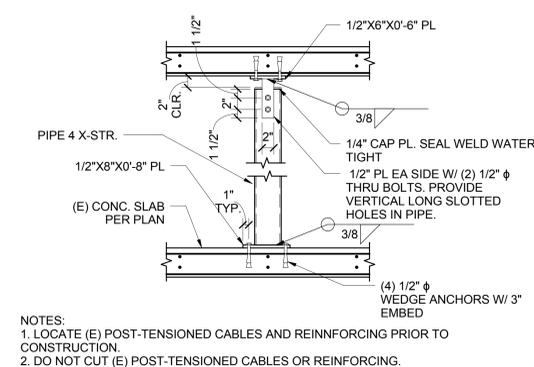
2 TYPICAL DETAIL: HOOKS AND BENDS
N.T.S.



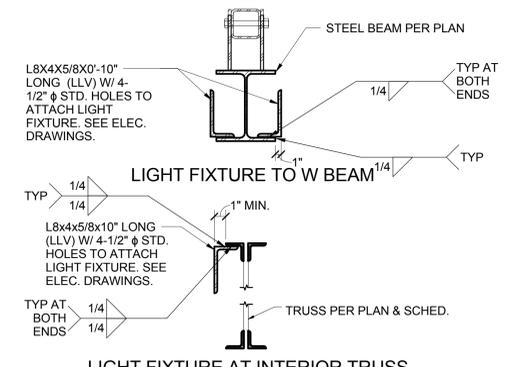
15 PIPE BOLLARD TO (E) CONCRETE
N.T.S.



11 HOUSEKEEPING PAD
N.T.S.

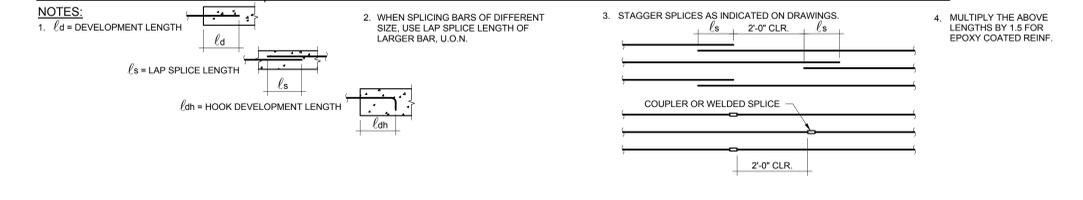


16 POST TO (E) CONC SLAB
N.T.S.



12 LIGHT FIXTURE ATTACHMENT
N.T.S.

BAR LOCATION	CONCRETE TYPE	CONCRETE STRENGTH	CONCRETE REINFORCING BARS DEVELOPMENT & SPLICE LENGTHS																														
			BAR SIZE																														
			#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18									
CONC. WALL VERT. REINF. COLUMNS. BEAM BOT. REINF. SLAB ON GRADE FOOTING BOT. REINF.	NWC	f _c ≥ 4ksi	15	19	6	10	25	9	24	31	9	29	37	10	42	54	12	48	62	14	54	70	15	61	79	17	67	87	19	81	33	108	43
CONC. WALL HORIZ. REINF. FTG. TOP & SIDE REINF. BEAM TOP & SIDE REINF.	NWC	f _c ≥ 4ksi	19	25	6	25	33	9	31	41	9	37	49	10	54	71	12	62	81	14	70	91	15	79	102	17	87	114	19	105	33	140	43
SHEAR WALL HORIZ. & VERT. REINF. SHEAR WALL DOWELS. COLLECTOR REINF.	NWC	f _c ≥ 4ksi	24	31	7	31	41	9	39	51	11	47	61	13	68	88	15	78	101	17	87	114	19	98	128	22	109	142	24	131	41	174	54
FILL ON METAL DECK	NWC	f _c ≥ 4ksi	19	25	8	25	33	12	31	41	12	37	49	15	54	71	17	62	81	19	70	91	22	79	102	25	87	114	27	105	33	140	43



8 TYPICAL DETAIL: REINFORCING DEVELOPMENT & SPLICE LENGTHS
N.T.S.

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Drawing Title
TRELLIS DETAILS

Approved: Project Director
Caterina Baccantini

Project Title
CENTERS FOR AMBULATORY CARE.
POLYTRAUMA AND BLIND REHABILITATION
Parking Structure 1 Photovoltaic System Addition

Project Number
640-424

Building Number
501

Drawing Number
SF7.1.2

Dwg. 10 of 10

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

ABBREVIATIONS

Table with 4 columns: ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION. Lists various electrical symbols and their meanings, such as AC (ALTERNATING CURRENT), MDP (MAIN DISTRIBUTION PANEL), etc.

SYMBOLS - SITE WORK

Table of symbols for site work including DB (DIRECT BURIAL CABLE), T (TELECOMMUNICATIONS DUCT), P (POWER DUCT), and various switchgear symbols like SWGR, HVS, LVS, SWBD.

SYMBOLS - SINGLE LINE

Table of symbols for single line work including G (GENERATOR), TRANSFORMER, DELTA CONNECTION, WYE CONNECTION, GROUNDED WYE, DISCONNECTABLE CABLE SPLITTER JUNCTION, SWITCH AND FUSE UNIT, MOLDED CASE CIRCUIT BREAKER, AMMETER, VOLTMETER, METER, WATT-HOUR METER, POTHEAD, STRESS CONE, and MOTOR.

SYMBOLS - RECEPTACLES

Table of symbols for receptacles including DROP CORD, ELECTRICAL STRIP MOLD, FLOOR OUTLET, COMBINATION SWITCH AND DUPLEX RECEPTACLE, DUPLEX RECEPTACLE, DUPLEX RECEPTACLE FLUSH WALL, FOURPLEX RECEPTACLE, SINGLE RECEPTACLE, DUPLEX RECEPTACLE SWITCHED, DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT, 3-GANG COMPARTMENT BOX, SPECIAL OUTLET, and LIGHT SENSOR.

SYMBOLS - GENERAL

Table of general symbols including DIMMER SWITCH, MANUAL MOTOR STARTING SWITCH, MOMENTARY CONTACT SWITCH, MOTOR SNAP SWITCH, PUSH BUTTON STATION, REMOTE CONTROL SWITCH, WEATHERPROOF SWITCH, UNIT HEATER BLOWER MOTOR, VENTILATOR OR FAN COIL UNIT OUTLET, CONDUIT TERMINATED, and FLEXIBLE CONDUIT.

EQUIPMENT

Table of equipment symbols including MAJOR EQUIPMENT TAG, TRANSFORMER, FUSED DISCONNECT SWITCH, NON-FUSED DISCONNECT SWITCH, CIRCUIT BREAKER WITH ENCLOSURE, COMBINATION MAGNETIC STARTER, CONTACTOR WITH ENCLOSURE, ELECTRICAL PANELBOARD CABINET, ELECTRICAL LIGHTING PANEL, ELECTRICAL DISTRIBUTION PANEL, ELECTRICAL POWER PANEL, MAIN GROUND BUS, FIRE ALARM CONTROL PANEL, and SECURITY CONTROL PANEL.

GENERAL NOTES

- List of general notes (A-T) regarding electrical code compliance, labor/materials, permits, approvals, and safety requirements.

SYMBOLS - LIGHTING

Table of lighting symbols including recessed fluorescent fixtures, emergency fixtures, surface fluorescent fixtures, and various mounting types (ceiling, wall, bollard).

CONSULTANTS:

GUTTMANN & BLAEVOET CONSULTING ENGINEERS logo and contact information.

Seals and Signatures



ARCHITECT/ENGINEERS:

SMITHGROUP logo and contact information for The Design Partnership LLP.

Drawing Title: SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

Approved Project Director: Antonio Barrantes

Project Title: CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION

Location: 3801 Miranda Ave., Palo Alto CA

Project Number: 640-424

Building Number: 501

Office of Construction and Facilities Management



CONSTRUCTION DOCUMENTS