

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

ARCHITECT

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

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

SMITHGROUP PROJECT NUMBER: 38363.000
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STRUCTURAL
DEGENKOLB ENGINEERS
235 MONTGOMERY STREET,
SUITE 500
SAN FRANCISCO, CA 94104
415.392.6952 T
415.544.0782 F

ELECTRICAL
GUTTMANN & BLAEVOET
CONSULTING
2351 POWEL STREET
SAN FRANCISCO, CA 94133
415.655.4000 T
415.655.4001 F

COST ESTIMATING
DAVIS LANGDON
343 SANSOME STREET,
SUITE 1050
SAN FRANCISCO, CA 94104
415.981.1004 T
415.981.1419 F

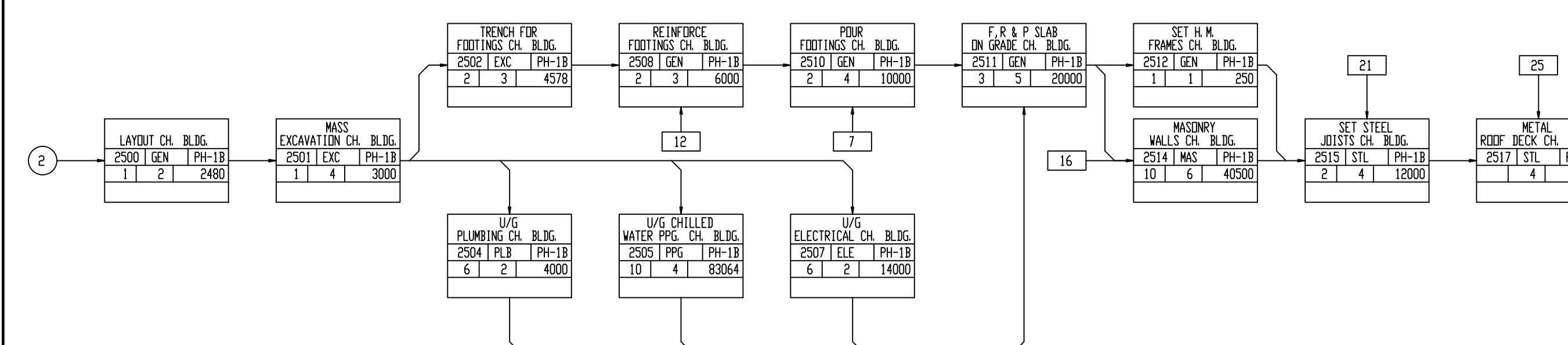


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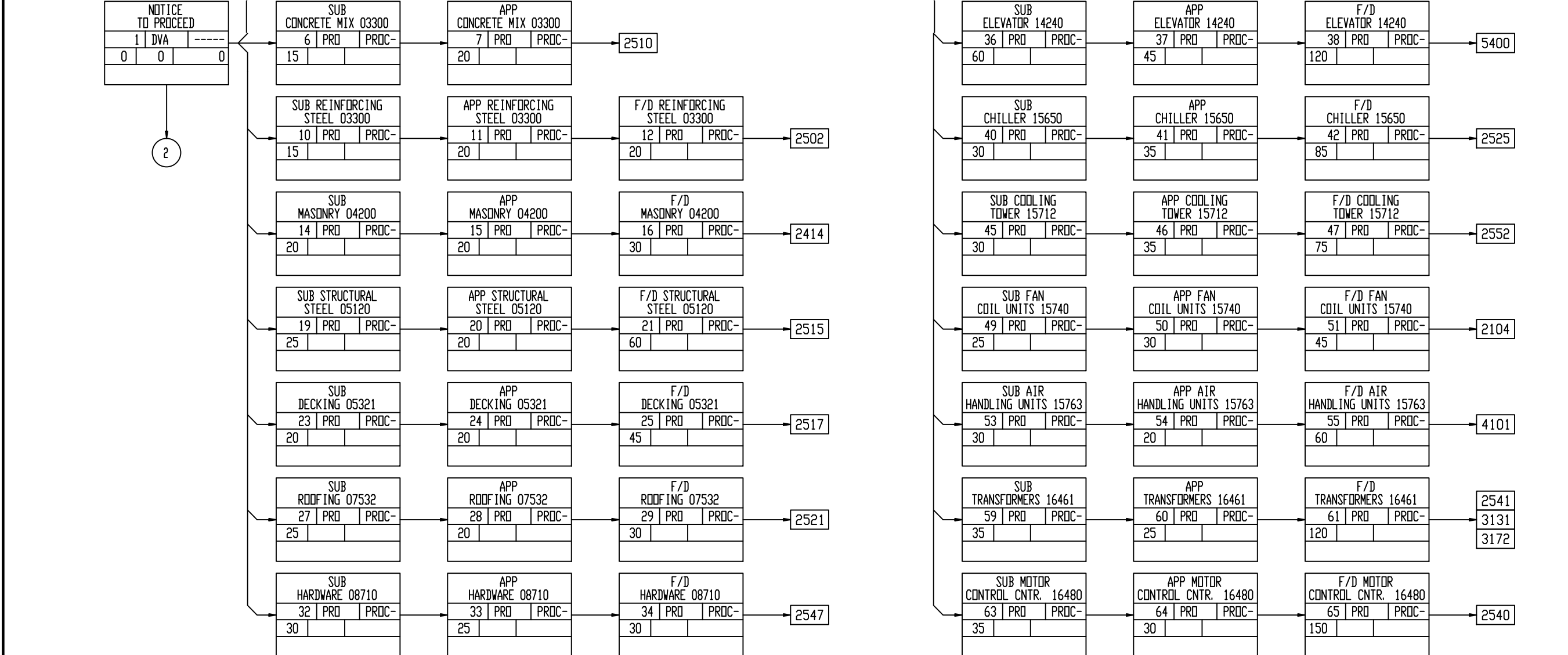
CONSTRUCTION DOCUMENTS

CHILLER PLANT

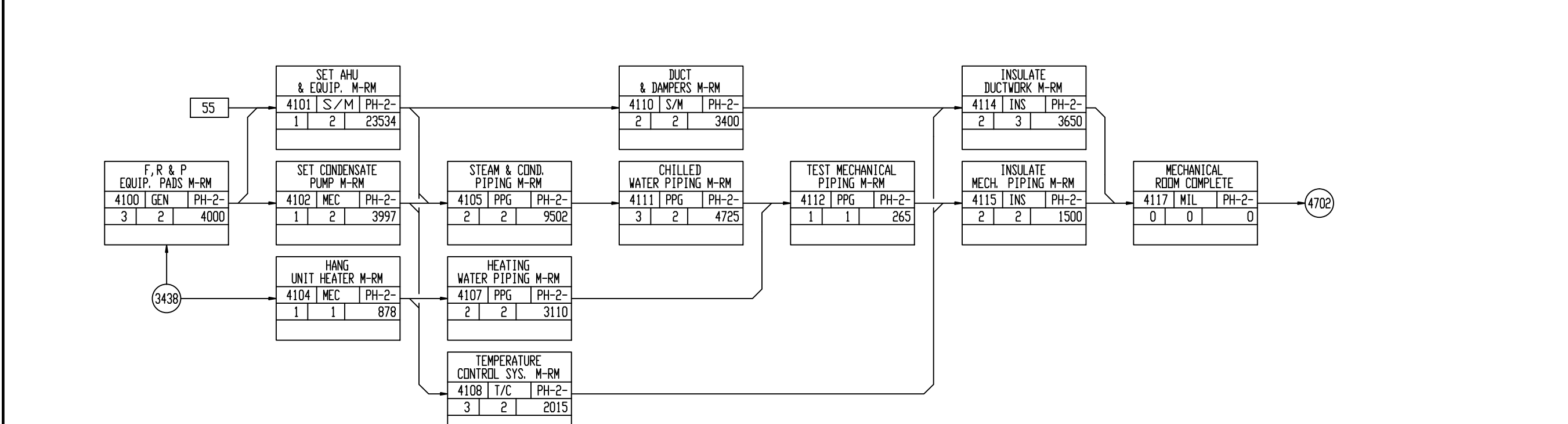


PROCUREMENT

SEE NOTE #3

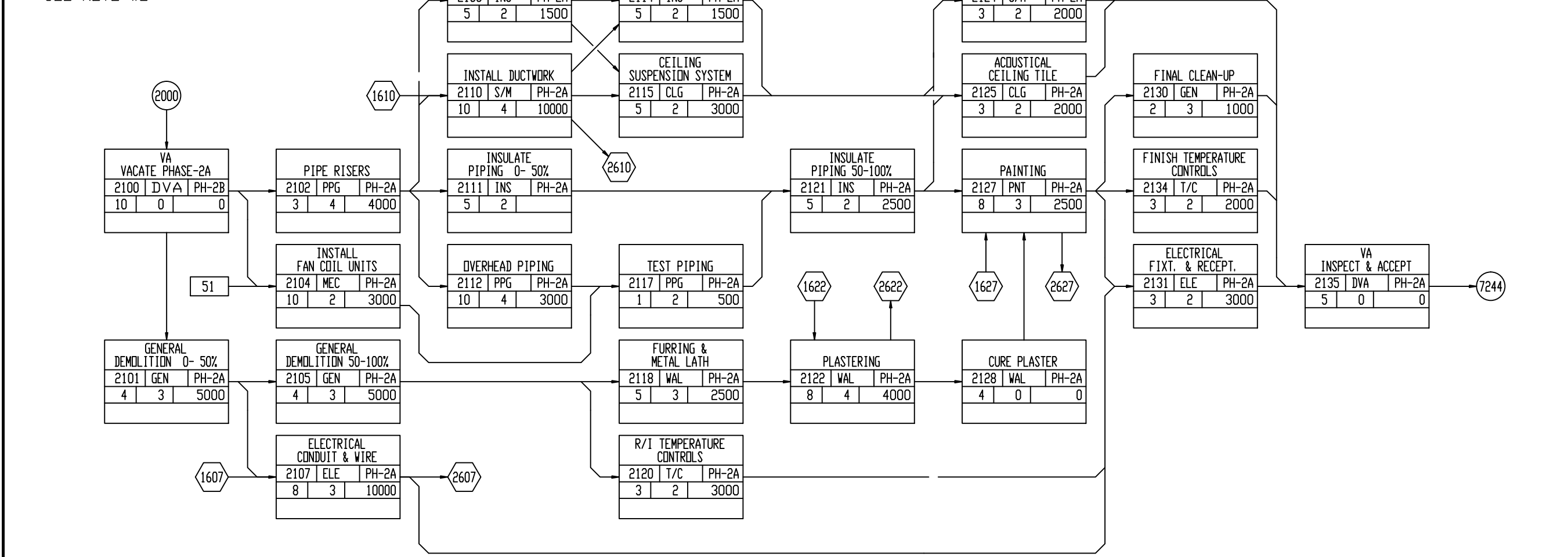


MECHANICAL ROOM

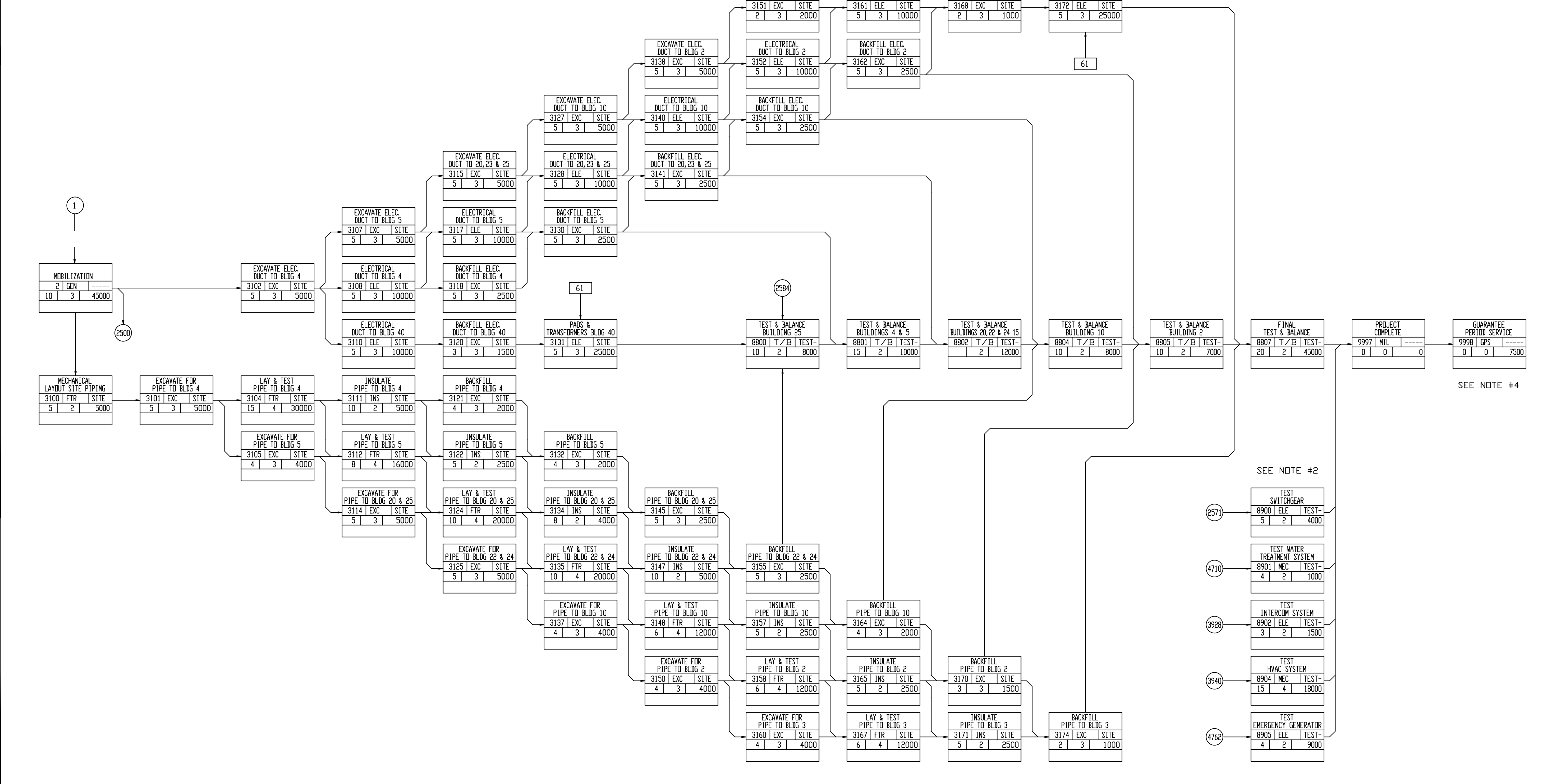


PHASE/WORK AREA

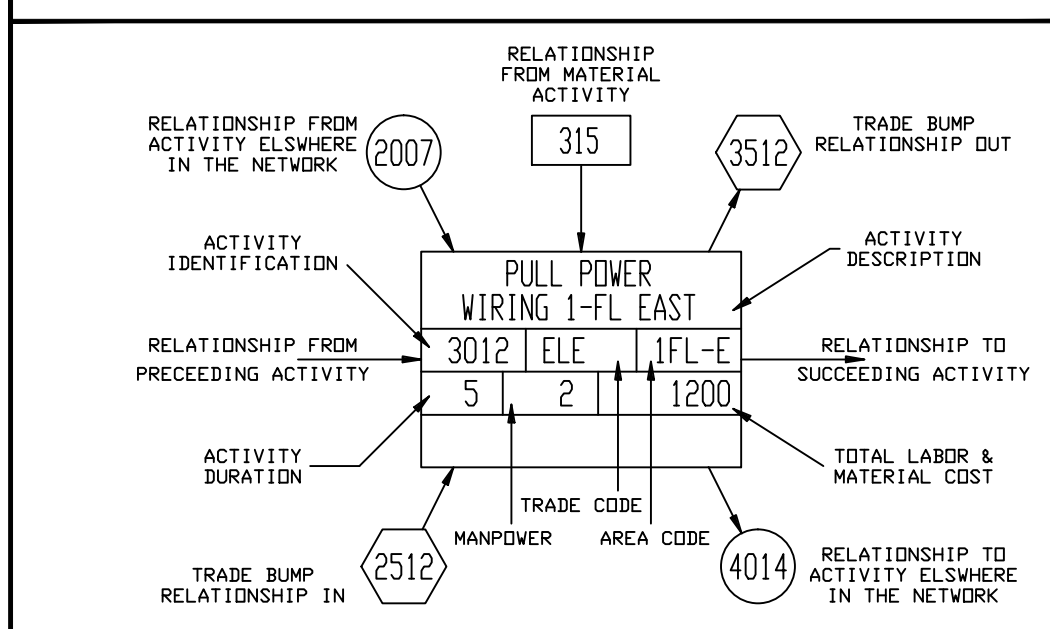
SEE NOTE #2



SITework



SYMBOL LEGEND



NOTE: RELATIONSHIPS MAY BE DIFFERENT TYPES AS FOLLOWS.

FS OR BLANK - PRECEEDING ACTIVITY MUST FINISH BE

SUCCESSFUL ACTIVITY CAN START

REASON: REASON FOR THE SUCCESS OF THE ACTIVITY

33-(DUR) - PRECEEDING ACTIVITY MUST START BEFORE
SUCCEEDING ACTIVITY CAN START

NOTES

1. THE SAMPLE CPM NETWORKS SHOWN ON THIS DRAWING ARE FOR THE CONTRACTOR'S INFORMATION. THE SAMPLE NETWORKS INDICATE THE LEVEL OF DETAIL AND TECHNIQUE WHICH WILL BE REQUIRED ON THE CONTRACTOR'S NETWORK TO COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. THE CPM LEGEND SHOWN ON THIS DRAWING MUST BE USED BY THE CONTRACTOR IN DEVELOPING AND GRAPHICALLY PORTRAYING HIS NETWORK.

2. THE CONTRACTOR SHOULD REFER TO SPECIFICATIONS SECTIONS: 01001 (PAYMENT CLAUSES); 01010 (1. G/PHASING); AND 01310 (AS) FOR FURTHER INFORMATION.

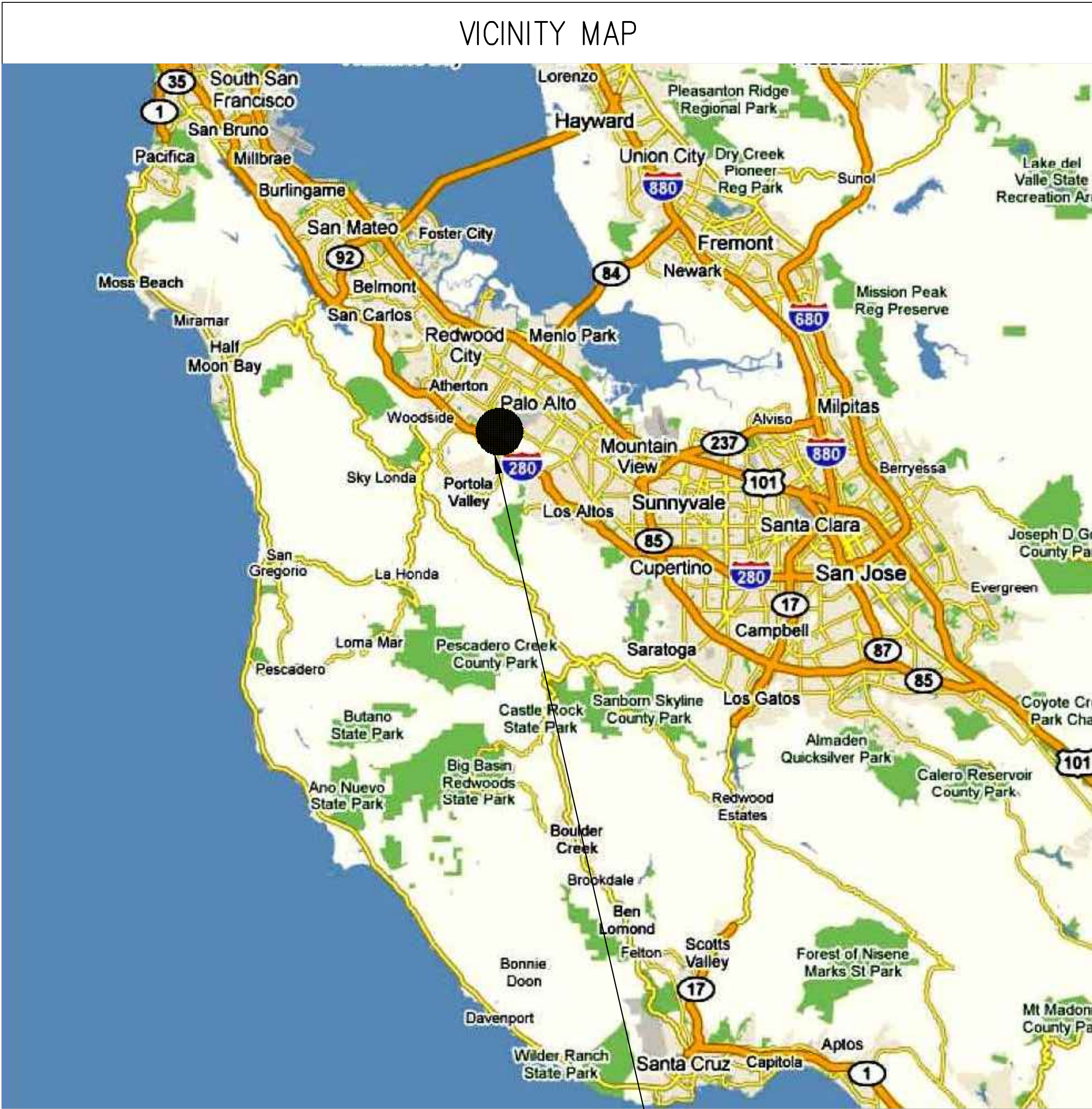
3. THE APPROVAL TIME OF LONG-LEAD PROCUREMENT AND JOINT REVIEW ITEMS SHALL REQUIRE MORE THAN THE MINIMUM DURATION OF TWENTY (20) WORK DAYS, THE APPROVAL DURATION FOR ITEMS LISTED UNDER THE SUBMITTALS/DELIVERIES ON DRAWING CPM-1 ARE CONTRACTUAL.

4. THE CONTRACT DURATION IS _____ CALENDAR DAYS.

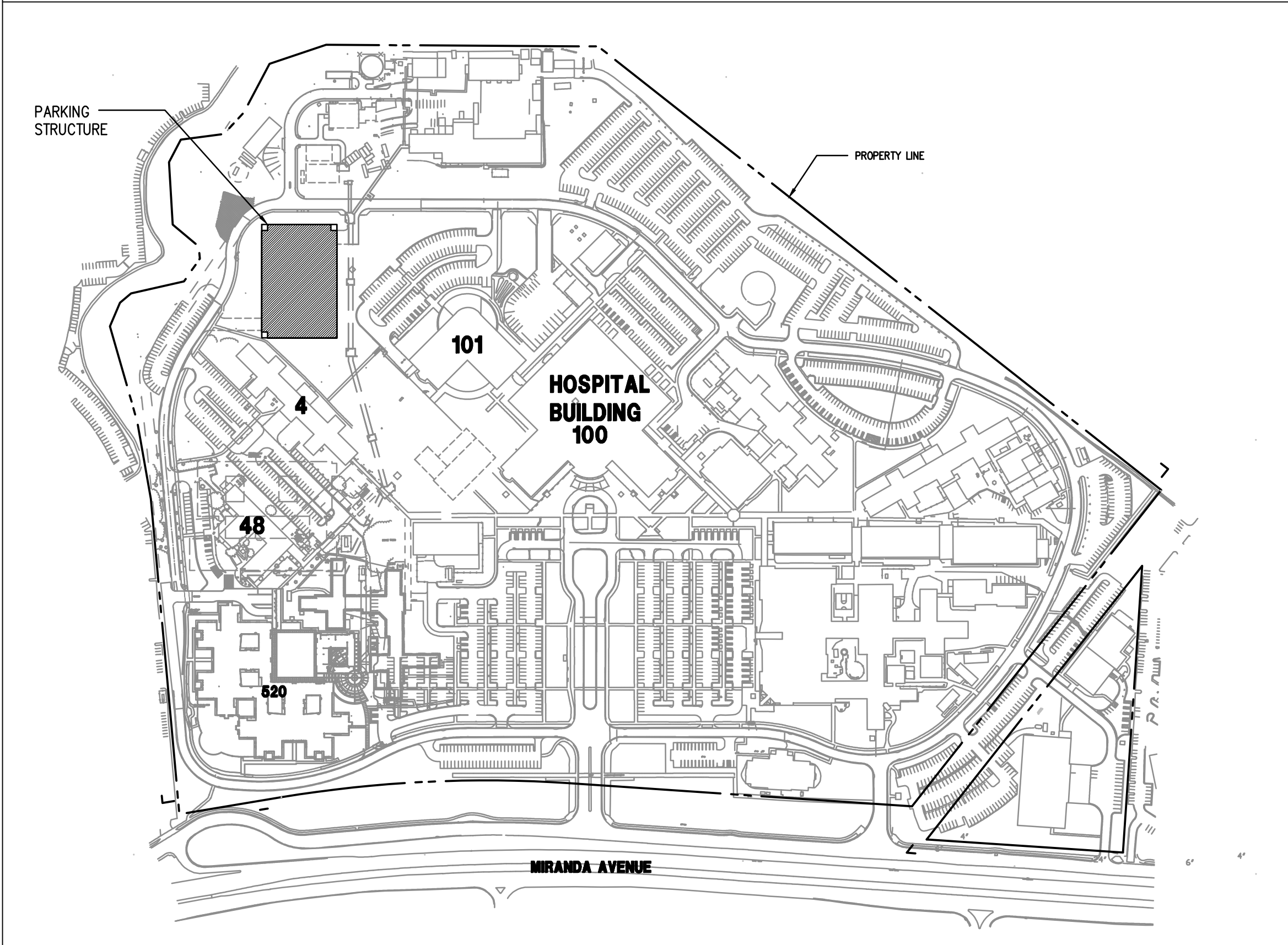
CONSTRUCTION DOCUMENTS

[illegible]

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
one sixteenth inch = one foot



PROJECT LOCATION MAP



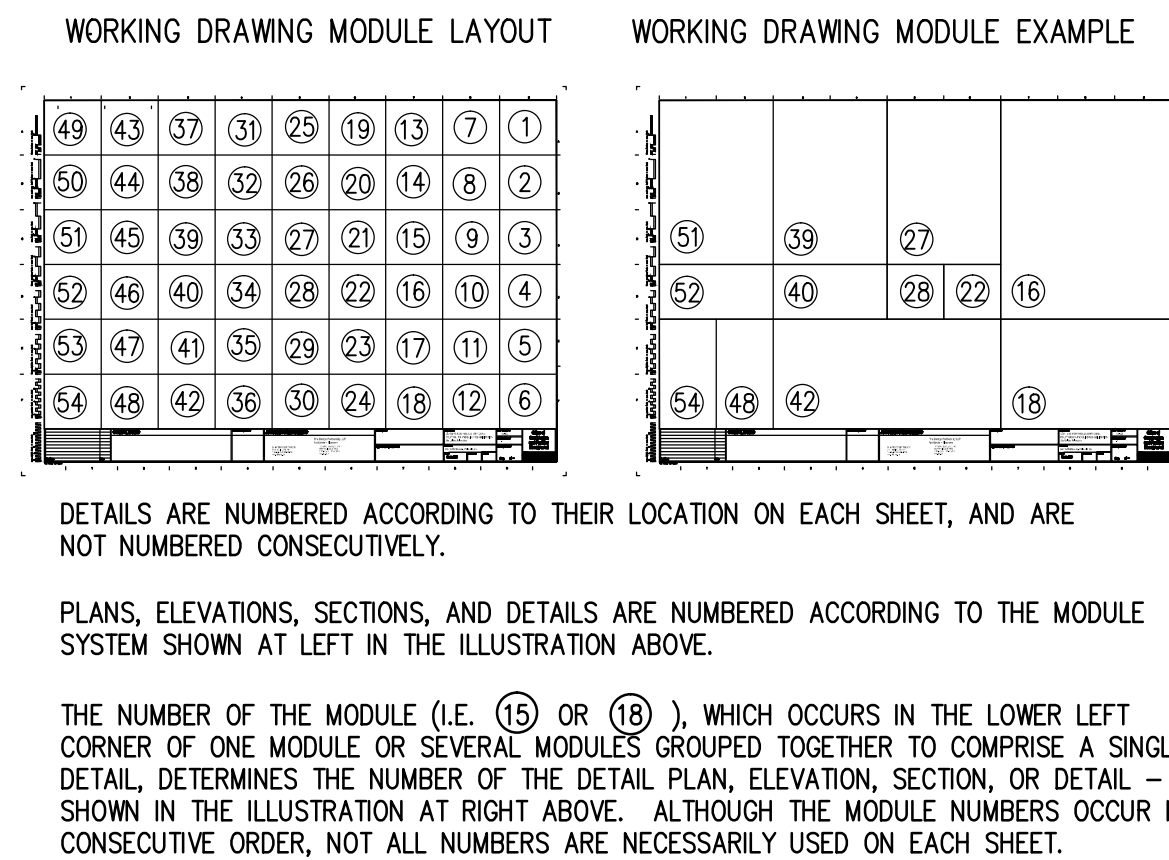
PROJECT GENERAL NOTES

- A. THE FOLLOWING GENERAL NOTES APPLY TO THE ENTIRE SET OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS".
- B. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS APPLICABLE ONLY TO THE DRAWINGS OF ONE DISCIPLINE, REFER TO THE DRAWINGS OF THAT DISCIPLINE.
- C. THE SET OF DRAWINGS, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE "INDEX OF DRAWINGS". THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE. DO NOT DISTRIBUTE OR UTILIZE PARTIAL SETS OF DRAWINGS.
- D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES, AND SUPPLIERS WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT PARTY.
- E. THE ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWINGS OF OTHER DISCIPLINES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE FOR THE FINISHED APPEARANCE AND EXACT LOCATION OF ALL PARTS OF THE WORK.
- EXCEPTION: DIMENSIONED LOCATIONS SHOWN ON DRAWINGS OF OTHER DISCIPLINES SHALL GOVERN ONLY WHERE:
- SPECIFICALLY AND INDIVIDUALLY INDICATED BY SYMBOL, KEYED NOTE, OR NOTATION ON THE ARCHITECTURAL DRAWINGS.
 - OCCURRING WITHIN A ROOM OR OTHER IDENTIFIED SPACE FOR WHICH ARCHITECTURAL SHEET OR SCHEDULE NOTES INDICATE THAT DIMENSIONS PROVIDED ELSEWHERE SHALL GOVERN.
- G. REFER TO THE OTHER SPECIALTY ENGINEERING DRAWINGS AND SPECIFICATIONS FOR THE DETAILED DESIGN OF THE STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS, OF WHICH PORTIONS MAY ALSO BE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- H. ALL PARTS OF THE WORK - INCLUDING MATERIALS, METHODS, ASSEMBLIES, ETC. - SHALL COMPLY WITH ALL APPLICABLE GOVERNING RULES, CODES, REGULATIONS, ORDINANCES, AND LAWS OF ALL FEDERAL, STATE DISTRICT, TERRITORIAL, AND LOCAL GOVERNMENT AUTHORITIES HAVING JURISDICTION OVER THE DESIGN, CONSTRUCTION, AND OCCUPANCY OF THE PROJECT, WHETHER LISTED BY THE CONTRACT DOCUMENTS OR NOT.
- I. NO PART OF THE CONTRACT DOCUMENTS SHALL BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO AN APPLICABLE GOVERNING RULE, CODE, REGULATION, ORDINANCE, OR LAW.
- J. IF A CONFLICT EXISTS BETWEEN THE CONTRACT DOCUMENTS AND A REGULATORY REQUIREMENT, THE CONTRACTOR SHALL COMPLY WITH THE ONE ESTABLISHING THE MORE STRINGENT OR RESTRICTIVE REQUIREMENT:
- THE DRAWINGS AND SPECIFICATIONS MAY SET FORTH MORE DETAILED, MORE SPECIFIC, AND/OR MORE RESTRICTIVE REQUIREMENTS THAN THOSE SET FORTH BY THE APPLICABLE REGULATORY REQUIREMENTS. WHERE THE DRAWINGS AND SPECIFICATIONS PROVIDE MORE DETAILED, MORE SPECIFIC, AND/OR MORE RESTRICTIVE REQUIREMENTS, THE CONTRACTOR SHALL COMPLY WITH THOSE REQUIREMENTS.
 - WHERE THE APPLICABLE REQUIREMENTS OF THE REFERENCED RULES, CODES, REGULATIONS, ORDINANCES, OR LAWS ARE MORE RESTRICTIVE THAN THAT SET FORTH BY THE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL SUCH MORE RESTRICTIVE REQUIREMENTS - ALTHOUGH SUCH REQUIREMENTS MAY NOT BE ILLUSTRATED BY THE DRAWINGS AND SPECIFICATIONS.
- K. APPLICABLE PORTIONS OF THE CODES, REGULATIONS, AND STANDARDS LISTED HERE ARE INCORPORATED BY REFERENCE INTO THE REQUIREMENTS OF THIS CONTRACT AND ESTABLISH MINIMUM REQUIREMENTS WITH WHICH THE WORK MUST COMPLY.
- L. PROPRIETARY PRODUCTS OR ASSEMBLIES UTILIZED AS "BASIS OF DESIGN":
- ON OCCASION, THE DRAWINGS MAY REFER TO A SINGLE PROPRIETARY PRODUCT OR ASSEMBLY WHILE THE SPECIFICATIONS LIST TWO OR MORE ACCEPTABLE MANUFACTURERS AND/OR PRODUCTS. WHEN THIS OCCURS, THE PRODUCT OR ASSEMBLY ILLUSTRATED BY THE DRAWINGS IS THE "BASIS OF DESIGN".
 - THE CONTRACTOR MAY UTILIZE ANY OTHER SPECIFIED PRODUCT OR ASSEMBLY IN LIEU OF THE "BASIS OF DESIGN" PRODUCT OR ASSEMBLY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE (AT NO ADDITIONAL EXPENSE TO THE OWNER) FOR ALL COORDINATION AND REVISIONS TO DIMENSIONS AND/OR DETAILS NECESSARY TO ACHIEVE THE SAME FUNCTIONAL AND AESTHETIC DESIGN INTENT AS ILLUSTRATED BY THE "BASIS OF DESIGN" SHOWN BY THE CONTRACT DOCUMENTS.
- M. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF WORK AND SHALL NOTIFY THE VA RESIDENT ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
- N. THE SPECIFICATIONS ARE INTENDED TO COMMUNICATE THE DETAILED PROPERTIES AND QUALITY OF THE INDIVIDUAL MATERIALS, ASSEMBLIES, AND SYSTEMS THAT COMPRISE THE WORK; THE FUNCTIONAL AND PERFORMANCE REQUIREMENTS FOR THE INDIVIDUAL PARTS OF THE WORK; AND THE FABRICATION AND INSTALLATION REQUIREMENTS FOR INDIVIDUAL PARTS OF THE WORK - THE SPECIFICATIONS TAKE PRECEDENCE OVER THE DRAWINGS WITH RESPECT TO INFORMATION OF THIS NATURE.
- P. THE DRAWINGS ARE INTENDED TO GRAPHICALLY ILLUSTRATE THE OVERALL NATURE OF THE WORK; THE CONFIGURATION, ARRANGEMENT, AND LOCATION OF THE WORK AND ITS PARTS; AND THE PHYSICAL DIMENSIONS OF THE WORK - THE DRAWINGS TAKE PRECEDENCE OVER THE SPECIFICATIONS WITH RESPECT TO INFORMATION OF THIS NATURE.
- Q. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES, AND SUPPLIERS, THE CONTRACTOR SHALL ENDEAVOR TO IDENTIFY AND NOTIFY THE VA REPRESENTATIVE OF ANY CONFLICTS BETWEEN THE WORK OF DIFFERENT PARTIES AT THE EARLIEST POSSIBLE DATE SO AS TO ALLOW REASONABLE AND ADEQUATE TIME FOR THE CONFLICT TO BE RESOLVED WITHOUT DELAYING THE WORK.

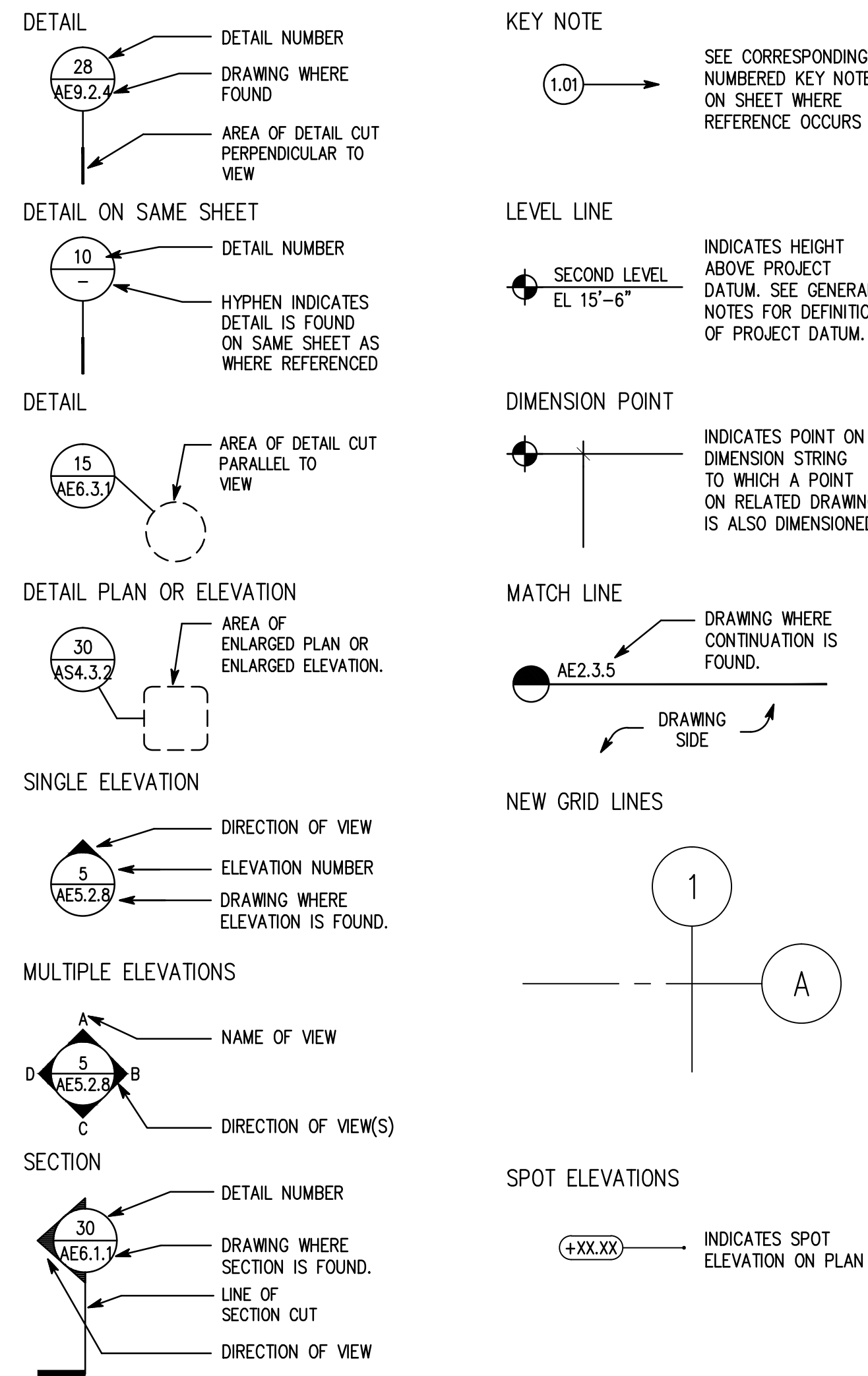
APPLICABLE CODES

- CODES, STANDARDS AND EXECUTIVE ORDERS:
- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL).
 - INTERNATIONAL BUILDING CODE (IBC) 2006.
 - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES, 2006 EDITION, WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900.
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
 - VA SEISMIC DESIGN REQUIREMENTS, H-18-8.
 - NATIONAL ELECTRICAL CODE (NEC).
 - NATIONAL STANDARD PLUMBING CODE (NSPC).
 - SAFETY CODE FOR ELEVATORS AND ESCALATORS.
 - AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1.
 - ASME BOILER AND PRESSURE VESSEL CODE.
 - ASME CODE FOR PRESSURE PIPING.
 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-2 AND ACI 318-R2).
 - ENERGY CODE FOR NEW FEDERAL COMMERCIAL AND MULTI-FAMILY HIGH RISE RESIDENTIAL BUILDINGS.
 - THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS.
 - GREENING THE GOVERNMENT-EXECUTIVE ORDERS 13123 AND 13148.
 - VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY-ASHRAE STANDARD 62.1-2004.
 - SAFETY STANDARDS FOR REFRIGERATION SYSTEMS-ASHRAE STANDARD 15-2004.
 - THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS.
 - UNDERWRITERS' LABORATORIES, INC. (UL) STANDARDS AND BUILDING MATERIALS, FIRE PROTECTION EQUIPMENT, AND FIRE RESISTIVE DIRECTORIES".
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION
 - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) STANDARDS.
 - UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN.
 - BARRIER-FREE DESIGN GUIDE PG-18-13.
- UNLESS OTHERWISE SPECIFIED, SPECIFIC REFERENCES TO CODES, REGULATIONS, STANDARDS, MANUFACTURERS' INSTRUCTIONS, OR REQUIREMENTS OF REGULATORY AGENCIES, SHALL MEAN THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF PROJECT SUBMISSION U.N.O.

DETAIL NUMBERING SYSTEM



REFERENCE SYMBOLS

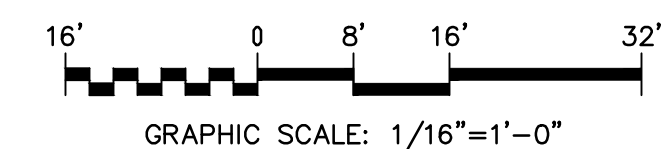
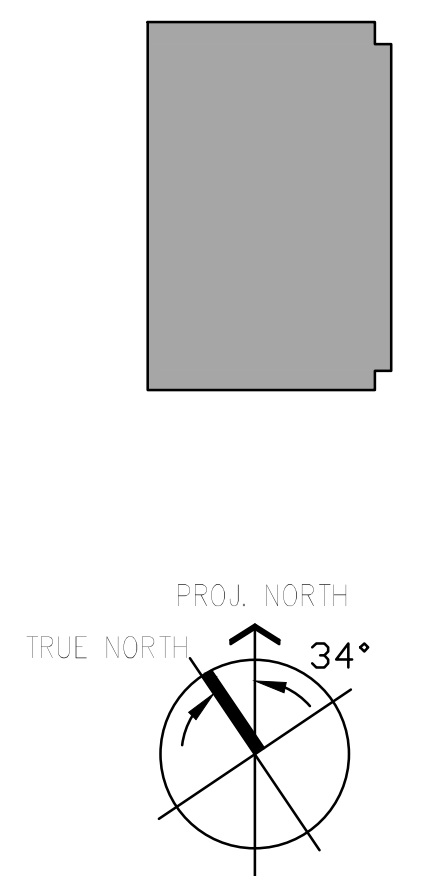


- NOTES:
- THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE AND DEFINE TYPICAL GRAPHIC SYMBOLS AND SYSTEMS OF GRAPHIC SYMBOLS WHICH MAY OCCUR ON THE ARCHITECTURAL DRAWINGS.
 - THE ILLUSTRATION OF A SYMBOL OR SYSTEM OF SYMBOLS ON THIS SHEET DOES NOT NECESSARILY INDICATE THAT THE BUILDING ITEM OR SYSTEM DESCRIBED BY THE SYMBOL IS USED AS PART OF THE WORK OF THIS PROJECT. REFER TO THE PLANS, ELEVATIONS, SECTIONS, AND SPECIFICATIONS TO DETERMINE THE SCOPE OF THE WORK.
 - SYMBOLS ARE NOT DRAWN TO SCALE. TO DETERMINE ACTUAL SIZES OF ELEMENTS REPRESENTED BY SYMBOLS, REFER TO THE SPECIFICATIONS AND OTHER DRAWINGS AS MAY APPLY.

CONSTRUCTION DOCUMENTS

CONSULTANTS:		Seals and Signatures	ARCHITECT/ENGINEERS: SMITHGROUP architecture engineering interiors planning 301 BATTERY STREET, 7TH FLOOR SAN FRANCISCO, CA 94111 T 415.227.0100 F 415.862.7718 www.smithgroup.com	Drawing Title PROJECT INFO, APPLICABLE CODES GEN NOTES AND ARCH NOTES	Project Title CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition	Project Number 640-424 Building Number 501
Revisions:			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.dpsllp.com	Approved Project Director 	Location 3801 Miranda Ave., Palo Alto CA	Drawing Number G11.1.1
Date 08 FEB 2013		Checked JG	Drawn			

- 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 G6. 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



Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

[illegible]

Architectural section drawing of a building facade. The drawing shows a cross-section with a roof structure (truss and deck) and a vertical wall. A callout (2.01) points to the roof structure, and a callout (2.02) points to a vertical structural element. The drawing is divided into four levels, with elevation markers on the right:

- LEVEL 4: 32'-8"
- LEVEL 3: 22'-0"
- LEVEL 2: 11'-4"
- UPPER LEVEL 1: 0'-0"

A vertical dimension of 8'-0" is indicated between Level 4 and Level 3. The drawing also shows a horizontal dimension of 8'-0" between the vertical wall and the right edge of the section.

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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

Approved: Project Director

Alvaro Bruscahini

Location	3801 Miranda Ave., Palo Alto CA
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Date
08 FEB 201

Checked	MS
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Drawing Number
AE2.1.5

Revisions:

GENERAL NOTES

I. GENERAL

1. MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. THESE GENERAL NOTES SUPPLEMENT THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, CONTACT THE VA RESIDENT ENGINEER.
3. 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.
4. 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.
5. 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.
6. 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.
7. DO NOT SCALE THE DRAWINGS.
8. 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.
9. 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
10. 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.
11. REFERENCE DATUM FOR THE ELEVATIONS IS LEVEL 1 PERIMETER ELEVATION = 89.0 FEET.

II. FORMWORK

1. PROVIDE POUR 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.
2. 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

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

III. REINFORCING STEEL

1. REINFORCING TO CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

LOCATION	TYPE
REINFORCING STEEL #7 AND SMALLER	ASTM A615, 60 KSI

2. 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.
3. WELD REINFORCING STEEL IN ACCORDANCE WITH AWS D1.4 USING QUALIFIED WELDERS.
4. TERMINATE REINFORCING STEEL IN STANDARD HOOKS, UNLESS OTHERWISE SHOWN.
5. PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE.

IV. CAST-IN-PLACE CONCRETE

1. 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.
2. ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO ¼ 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.
3. AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN CONTACT SURFACES TO ¼ INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.
4. REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF ADDITIONAL CONCRETE CURBS AND HOUSEKEEPING PADS NOT SHOWN.
5. 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 ½ INCHES
SLABS ON GRADE (TOP CLEARANCE)	1 ½ INCHES
BEAMS, GIRDERS AND COLUMNS NOT EXPOSED TO WEATHER OR EARTH	1 ½ INCHES
WALL OR SLAB SURFACES NOT EXPOSED TO WEATHER OR EARTH:	
#5 & SMALLER	¾ INCH
#6 & #7	1 INCH
#8,#9, #10 & #11	1 ½ INCHES
#14 & #18	2 ½ INCHES

6. CONCRETE TYPES:

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

7. CHAMFER: ¾ INCH ON EXPOSED CORNERS, U.O.N.

V. STRUCTURAL STEEL

1. 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

2. 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.
3. ARC-WELDING ELECTRODES/FILLER METALS TO BE LOW HYDROGEN TYPES E7XTX, E7XTXX OR E70XXX 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

4. WELDERS TO BE CERTIFIED BY AWS AND THE GOVERNING JURISDICTION.

5. WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.

6. PROVIDE NATURAL CAMBER UP, UNLESS NOTED OTHERWISE, EXCEPT AT CANTILEVERS. AT CANTILEVERS PROVIDE CAMBER SUCH THAT TIP OF CANTILEVER IS ABOVE FINAL ELEVATION.

7. SPLICE MEMBERS ONLY WHERE INDICATED.

VI. ADHESIVE ANCHORS AND DOWELS

1. ANCHORS AND DOWELS INSTALLED INTO CONCRETE. ANCHORS ARE TO HAVE BEEN TESTED AND QUALIFIED FOR USE IN CRACKED CONCRETE PER ACI 355.2 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# |
2. 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.
3. DOWELS: ASTM A615 GRADE 60 REINFORCING STEEL.
4. REMOVE GREASE, OIL, RUST, AND OTHER LAITANCE FROM RODS AND DOWELS PRIOR TO INSTALLATION.
5. 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.
6. PREPARE HOLES AND INSTALL ANCHORS AND DOWELS IN ACCORDANCE WITH ICC-ES REPORT AND MANUFACTURERS INSTRUCTIONS.
7. 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.
8. 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

1. 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.
2. 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.
3. 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.
- A. STRUCTURAL STEEL
 - B. WELDING
4. NOTIFY THE ENGINEER AT SIGNIFICANT CONSTRUCTION STAGES 72 HOURS IN ADVANCE AND PROVIDE ACCESS FOR THE FOLLOWING STRUCTURAL OBSERVATIONS:

A. STEEL FRAMING

1. GENERAL

VIII. DESIGN CRITERIA

1. APPLICABLE CODE: 2009 INTERNATIONAL BUILDING CODE AND VA H-18-8
2. 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
3. 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
4. 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
5. DESIGN TEAM
- | | |
|---------------|-----------------------|
| JAMES MALLEY | PROJECT MENTOR |
| KIRK JOHNSTON | PROJECT MANAGER |
| DAVID CHIANG | DESIGNER |
| KEN MARTIN | SENIOR CAD SPECIALIST |

CONSTRUCTION DOCUMENTS

		CONSULTANTS:		Seals and Signatures		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management 			
		 DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 Phone 415.981.3157 Fax www.degenkolb.com				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		GENERAL NOTES		CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition				640-424	
										Approved: Project Director 		Location 3801 Miranda Ave., Palo Alto CA				Building Number 501	
Revisions:		Date								Date 8 FEB 2013		Checked		Drawn		Drawing Number SF0.1.1 Dwg. 1 of 10	

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C

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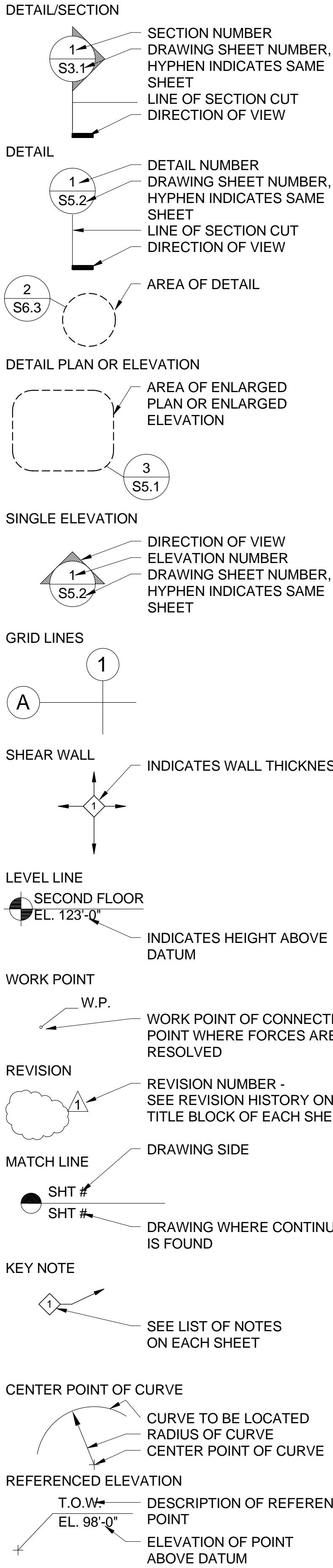
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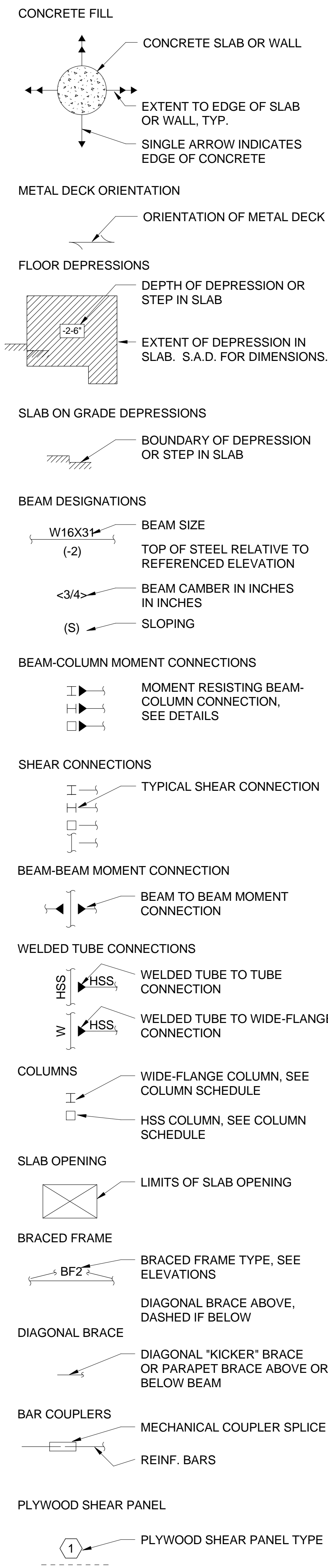
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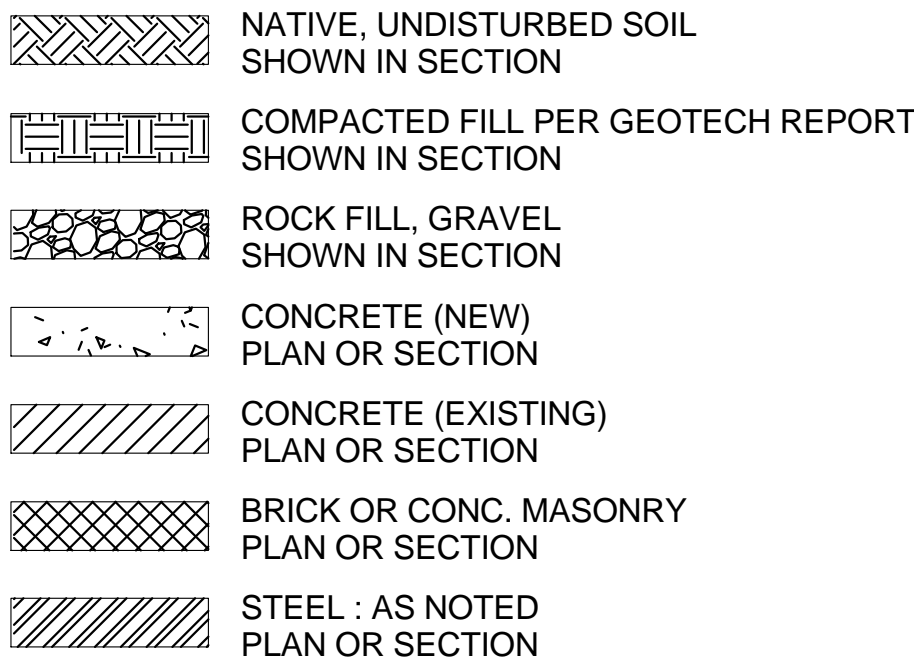
REFERENCE SYMBOLS



PLAN SYMBOLS



MATERIAL SYMBOLS



GENERAL ABBREVIATIONS

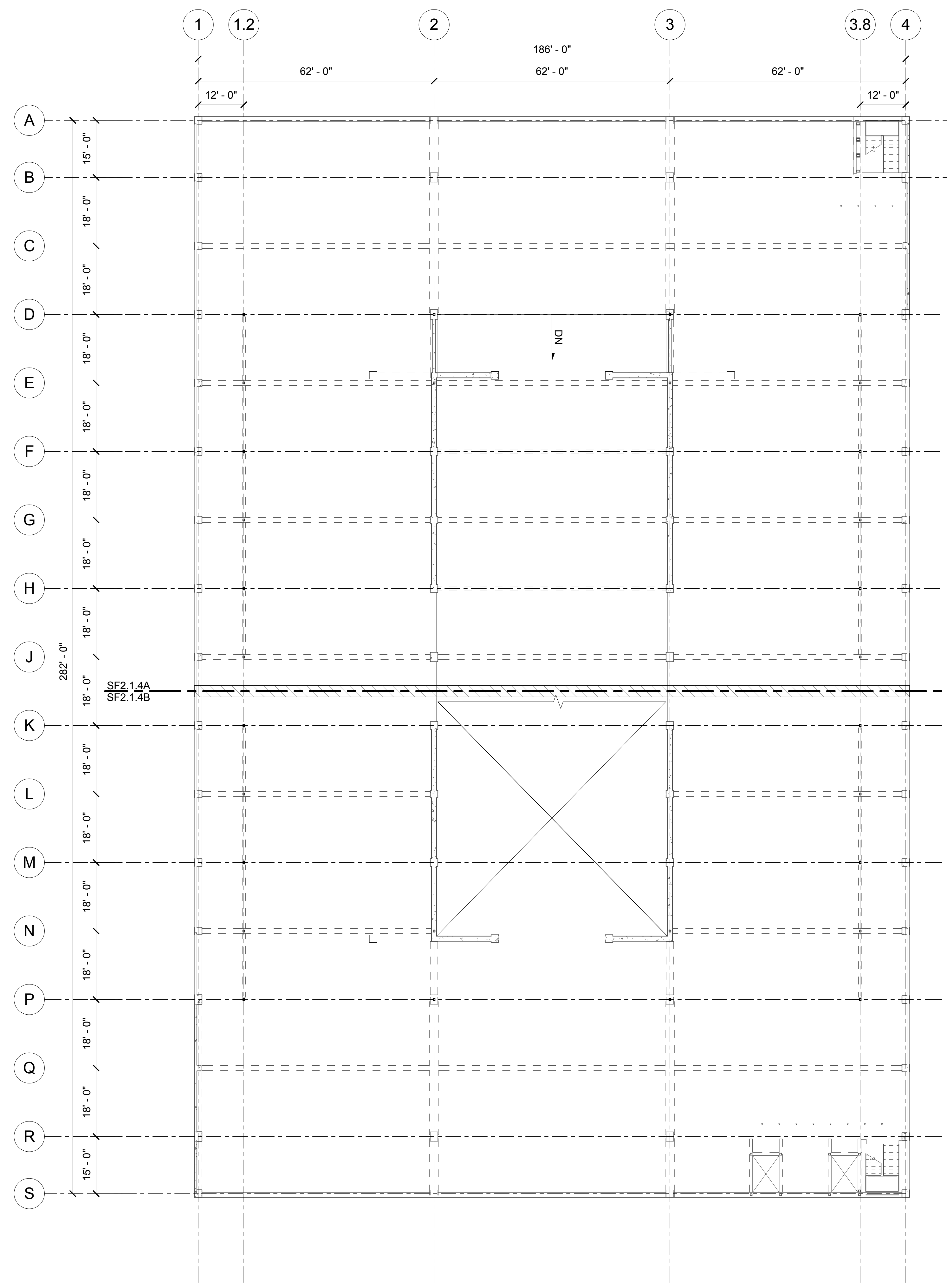
(E)	EXISTING	dh	HOOK DEVELOPMENT LENGTH
(N)	NEW	LEV.	LEVEL
&	AND	LLBB	LONG LEG BACK TO BACK
@	AT	LLH	LONG LEG HORIZONTAL
A.A.	ADHESIVE ANCHOR	LLV	LONG LEG VERTICAL
A.B.	ANCHOR BOLT	L.P.	LOW POINT
ABV	ABOVE	LOC.	LOCATION
ADDL	ADDITIONAL	LONGIT.	LONGITUDINAL
ADJ.	ADJACENT	1/s	LAP SPLICE LENGTH
AGGR.	AGGREGATE	LT	LIGHT
ALT.	ALTERNATE	LWC	LIGHTWEIGHT CONCRETE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MAX.	MAXIMUM
APPROX.	APPROXIMATE	MECH.	MECHANICAL
ARCH.	ARCHITECTURAL	M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING DOCUMENTS
ASTM	AMERICAN SOCIETY for TESTING and MATERIALS	MTL	METAL
AWG	AMERICAN WIRE GAUGE	MFR	MANUFACTURER
BET.	BETWEEN	MIN.	MINIMUM
BLDG	BUILDING	MISC.	MISCELLANEOUS
BLKG	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	STIRR.	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
1/d	DEVELOPMENT LENGTH	X STR.	EXTRA STRONG

CONSTRUCTION DOCUMENTS

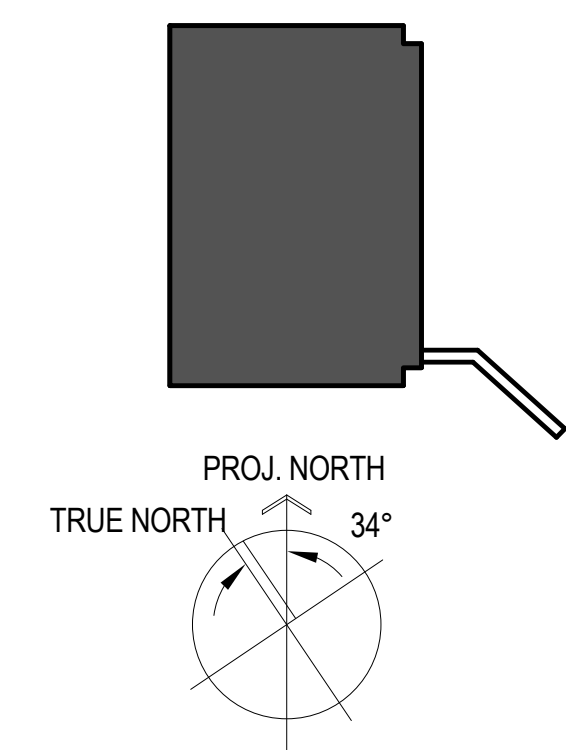
<p>CONSULTANTS:</p> <p>Degenkolb</p> <p>DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 Phone 415.981.3157 Fax www.degenkolb.com</p>		<p>Seals and Signatures</p> <p></p>		<p>ARCHITECT/ENGINEERS:</p> <p>SMITHGROUP architecture engineering interiors planning</p> <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</p> <p>SYMBOLS AND ABBREVIATIONS</p> <p>Approved: Project Director</p> <p></p>		<p>Project Title</p> <p>CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition</p> <p>Location 3801 Miranda Ave., Palo Alto CA</p> <p>Date 8 FEB 2013</p> <p>Checked</p> <p>Drawn</p>		<p>Project Number 640-424</p> <p>Building Number 501</p> <p>Drawing Number SF01.2</p> <p>Dwg. 2 of 10</p>		<p>Office of Construction and Facilities Management</p> <p> Department of Veterans Affairs</p>	
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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



1 LEVEL 4 OVERALL FRAMING PLAN
1/16" = 1'-0"

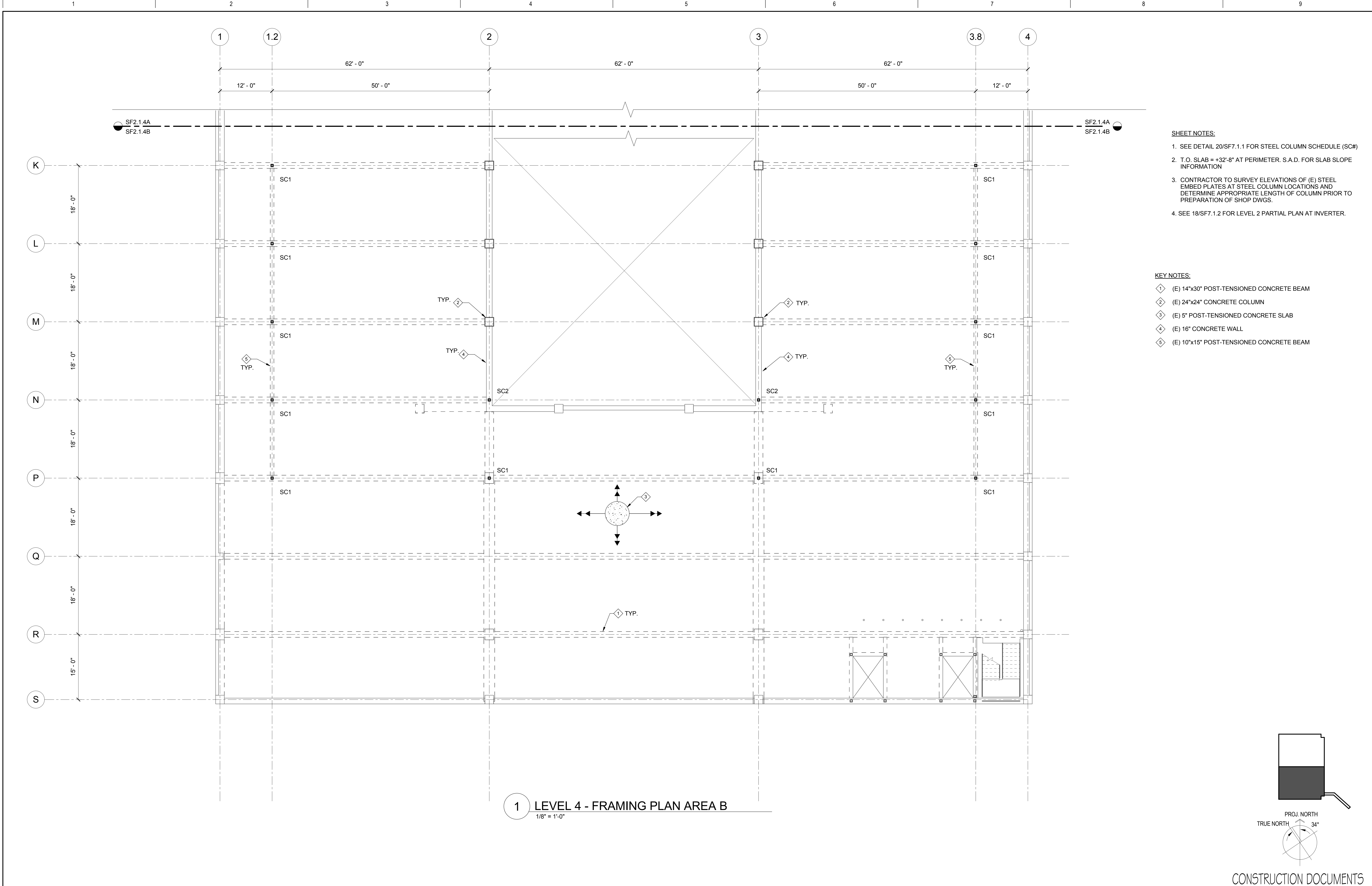


CONSTRUCTION DOCUMENTS

<div>Revisions:</div> <div>Date</div>		<div>CONSULTANTS:</div> <div>Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 Phone 415.981.3157 Fax www.degenkolb.com</div>		<div>Seals and Signatures</div> <div></div>		<div>ARCHITECT/ENGINEERS:</div> <div>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</div> <div>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</div>		<div>Drawing Title</div> <div>LEVEL 4 OVERALL FRAMING PLAN</div> <div>Approved: Project Director</div> <div></div>		<div>Project Title</div> <div>CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition</div> <div>Location</div> <div>3801 Miranda Ave., Palo Alto CA</div> <div>Date</div> <div>8 FEB 2013</div> <div>Checked</div> <div>Drawn</div>		<div>Project Number</div> <div>640-424</div> <div>Building Number</div> <div>501</div> <div>Drawing Number</div> <div>SF2.1.4</div> <div>Dwg. 3 of 10</div>		<div>Office of Construction and Facilities Management</div> <div></div>	
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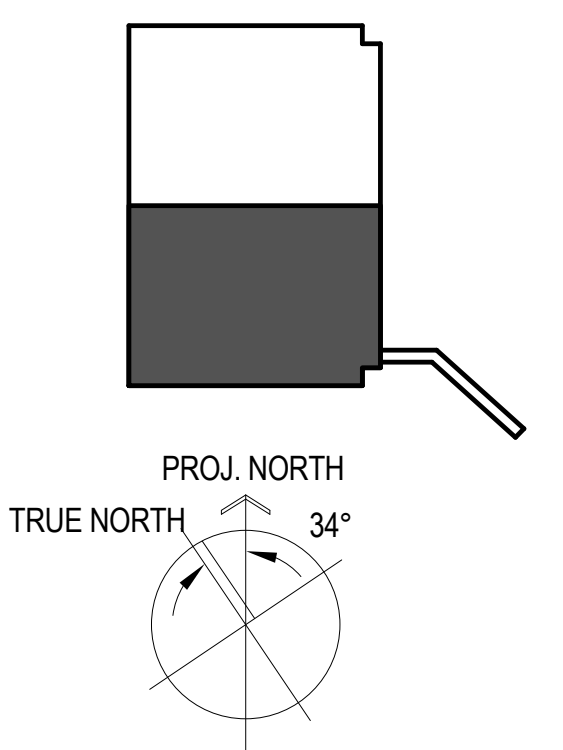
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one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot







- SHEET NOTES:**
1. SEE DETAIL 20/SF7.1.1 FOR STEEL COLUMN SCHEDULE (SC#)
 2. T.O. SLAB = +32'-8" AT PERIMETER. S.A.D. FOR SLAB SLOPE INFORMATION
 3. 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.
 4. 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"

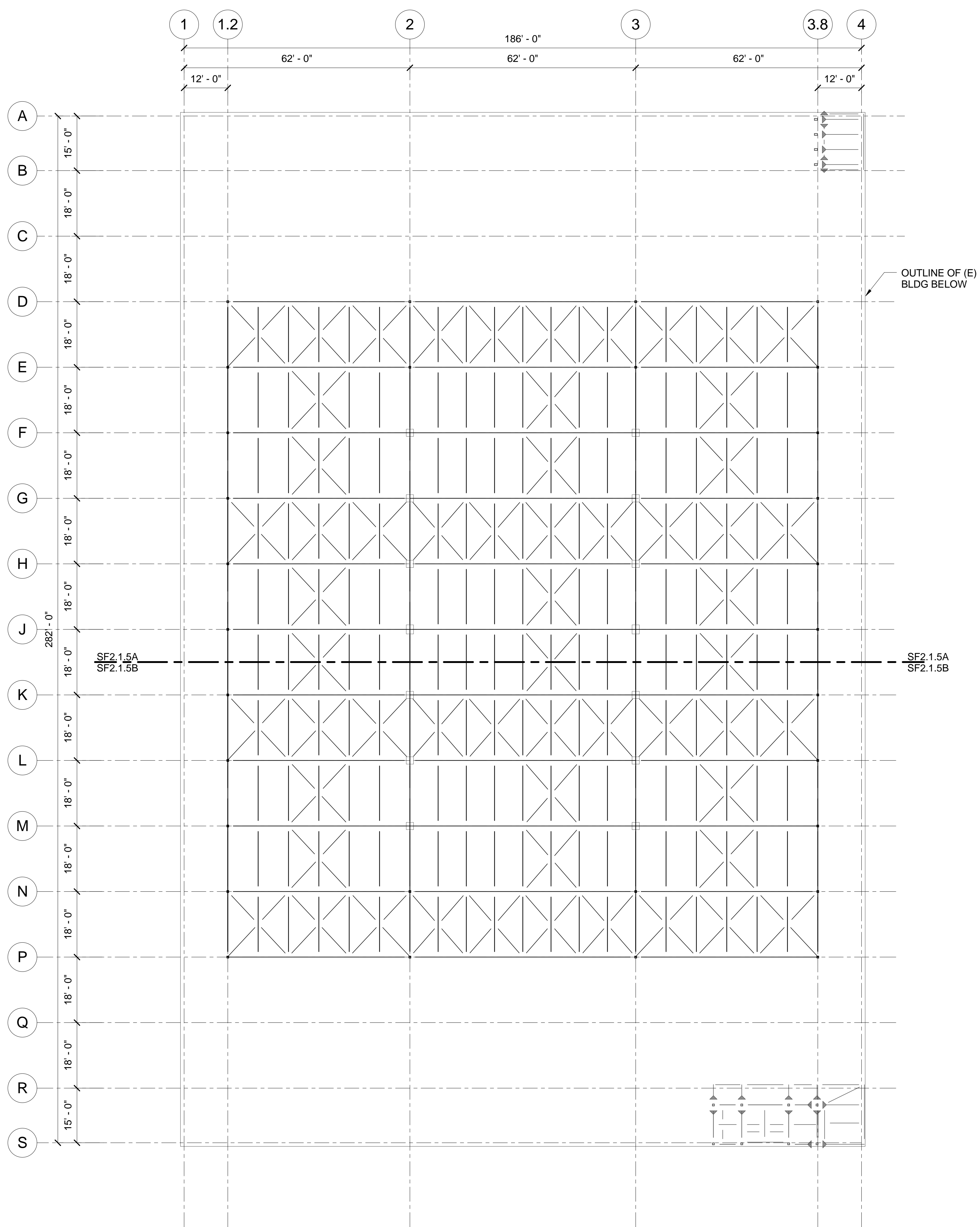


CONSTRUCTION DOCUMENTS

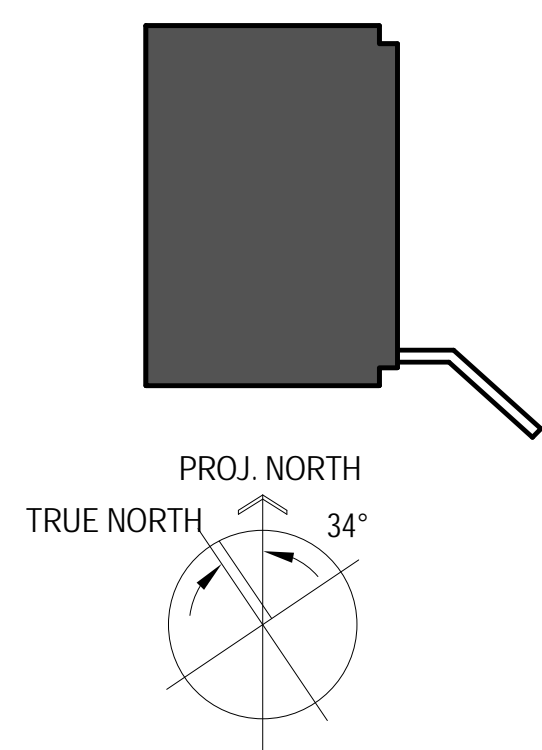
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one inch - one foot
three quarters inch - one foot
one half inch - one foot
three eighths inch - one foot
one quarter inch - one foot
one eighth inch - one foot

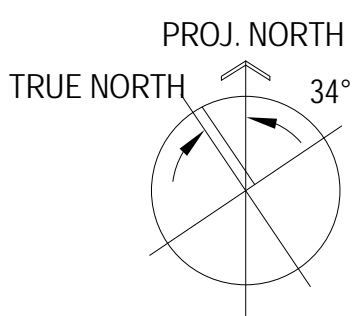


1 PV CANOPY OVERALL FRAMING PLAN
1/16" = 1'-0"



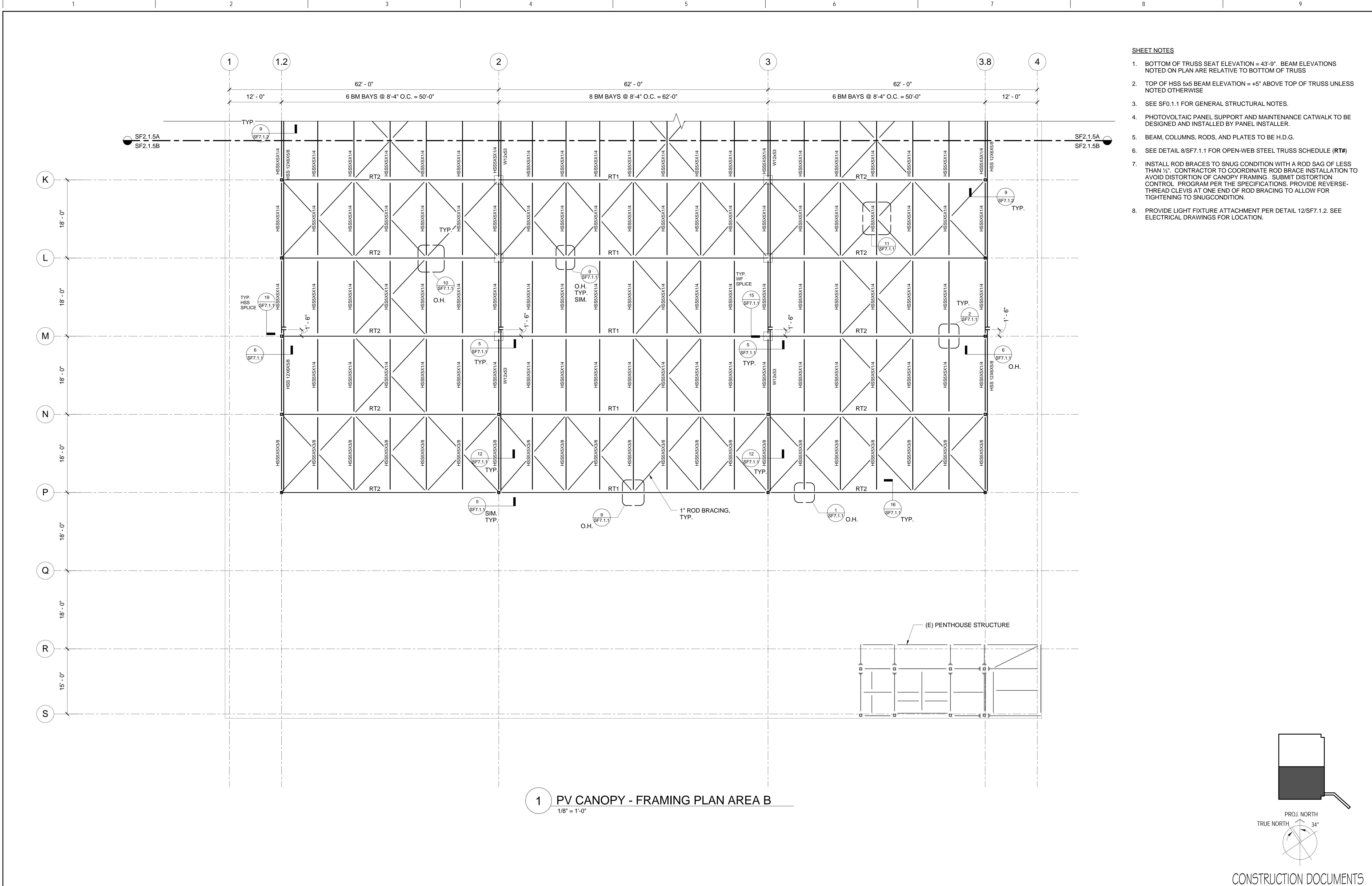
CONSTRUCTION DOCUMENTS

<div>Revisions:</div> <div>Date</div>		<div>CONSULTANTS:</div> <div>Degenkolb DEGENKOLB ENGINEERS 235 Montgomery Street, Suite 500 San Francisco, CA 94104 415.392.6952 Phone 415.981.3157 Fax www.degenkolb.com</div>		<div>Seals and Signatures</div> <div></div>		<div>ARCHITECT/ENGINEERS:</div> <div>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</div> <div>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.dpsl.com</div>		<div>Drawing Title</div> <div>PV CANOPY OVERALL FRAMING PLAN</div> <div>Approved: Project Director</div> <div></div>		<div>Project Title</div> <div>CENTERS FOR AMBULATORY CARE, POLYTRAUMA AND BLIND REHABILITATION Parking Structure 1 Photovoltaic System Addition</div> <div>Location</div> <div>3801 Miranda Ave., Palo Alto CA</div> <div>Date</div> <div>8 FEB 2013</div> <div>Checked</div> <div>Drawn</div>		<div>Project Number</div> <div>640-424</div> <div>Building Number</div> <div>501</div> <div>Drawing Number</div> <div>SF2.1.5</div> <div>Dwg. 6 of 10</div>		<div>Office of Construction and Facilities Management</div> <div>Department of Veterans Affairs</div>	
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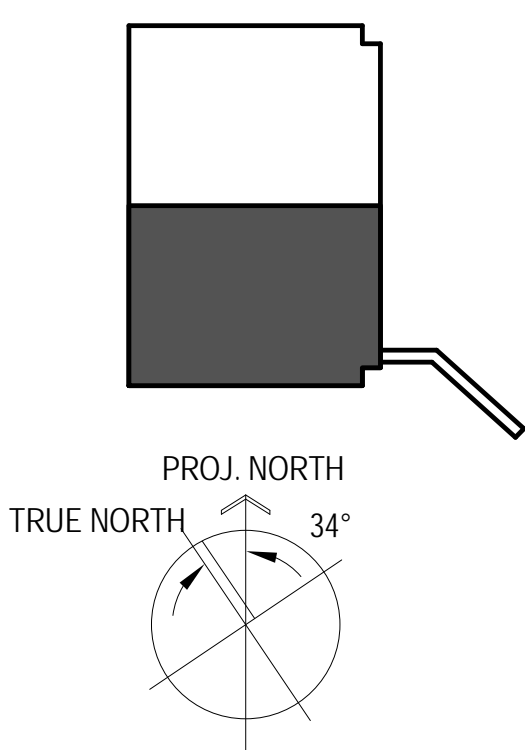
A
B
C
D
E
F

Three inches - one foot
one and one half inches - one foot
one inch - one foot
one half inch - one foot
three quarters inch - one foot
one half inch - one foot
three eighths inch - one foot
one eighth inch - one foot


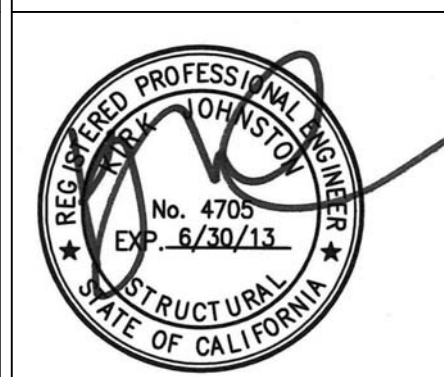




- SHEET NOTES**
1. BOTTOM OF TRUSS SEAT ELEVATION = 43'-9". BEAM ELEVATIONS NOTED ON PLAN ARE RELATIVE TO BOTTOM OF TRUSS
 2. TOP OF HSS 5x5 BEAM ELEVATION = +5" ABOVE TOP OF TRUSS UNLESS NOTED OTHERWISE
 3. SEE SF0.1.1 FOR GENERAL STRUCTURAL NOTES.
 4. PHOTOVOLTAIC PANEL SUPPORT AND MAINTENANCE CATWALK 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 1/4". 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 B
1/8" = 1'-0"



CONSTRUCTION DOCUMENTS

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A

B

C

D

E

F

three inches = one foot

one and one half inches = one foot

one inch = one foot

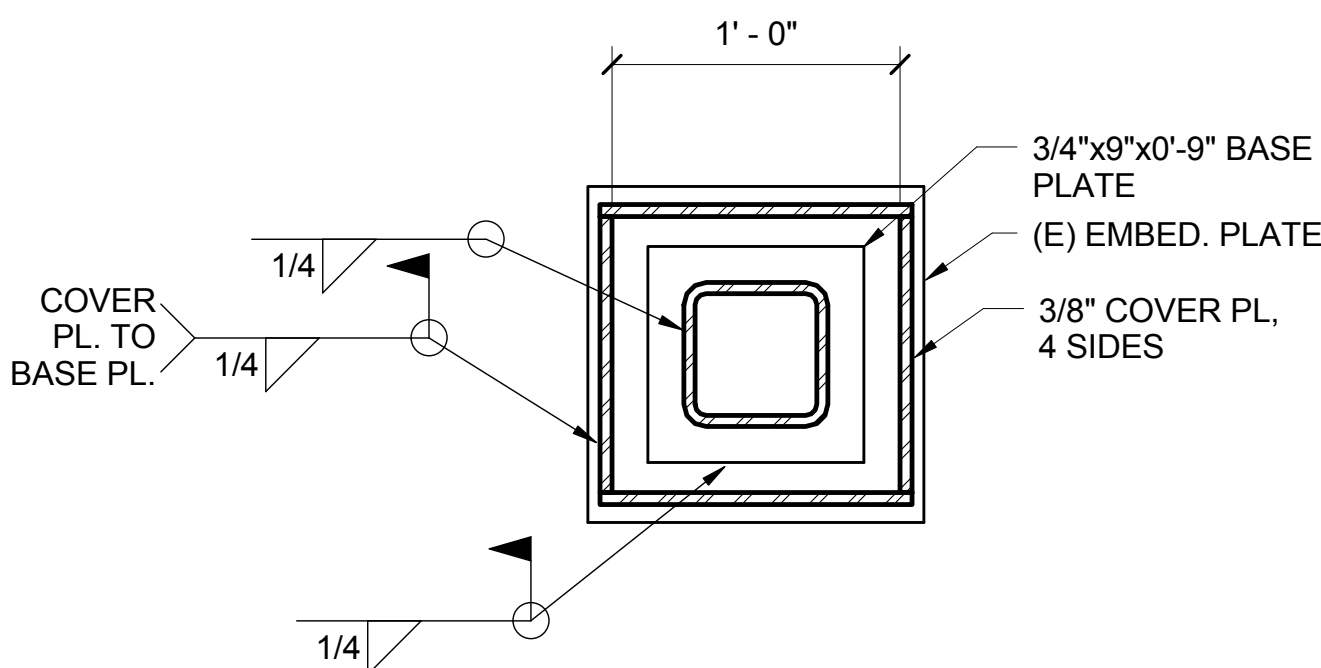
three quarters inch = one foot

one half inch = one foot

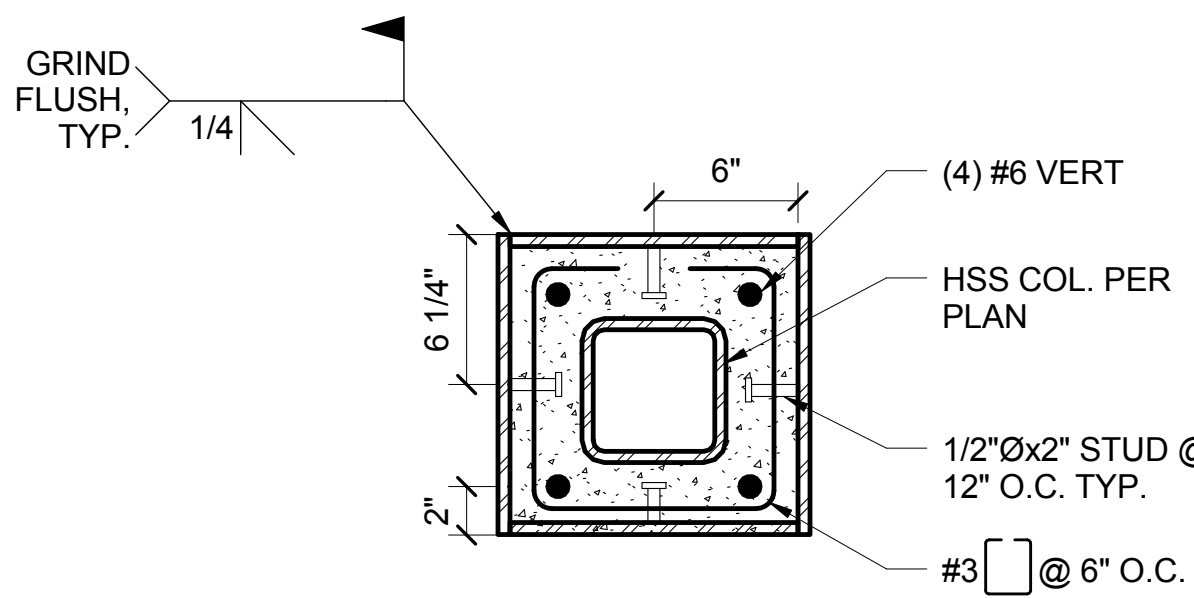
three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

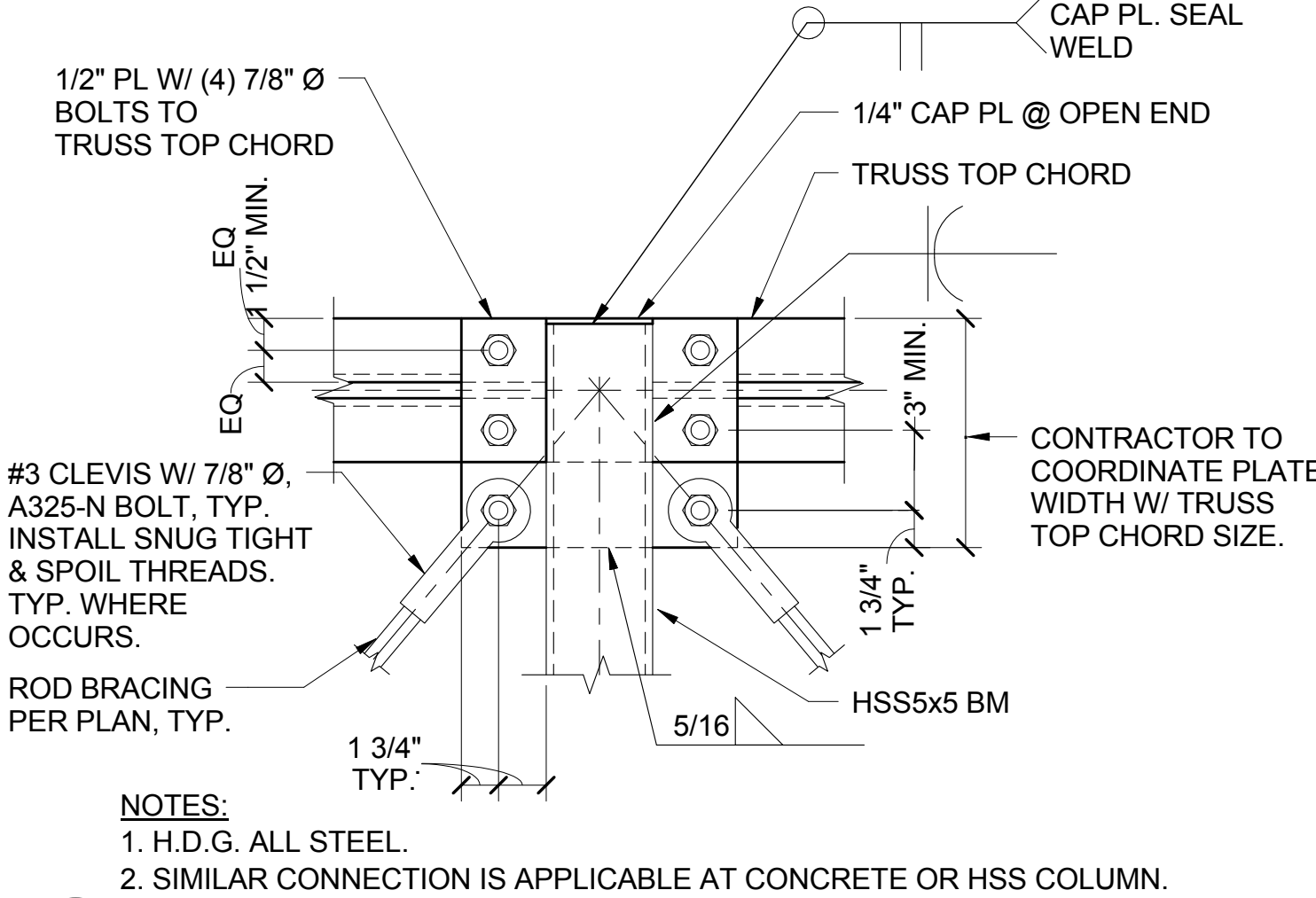
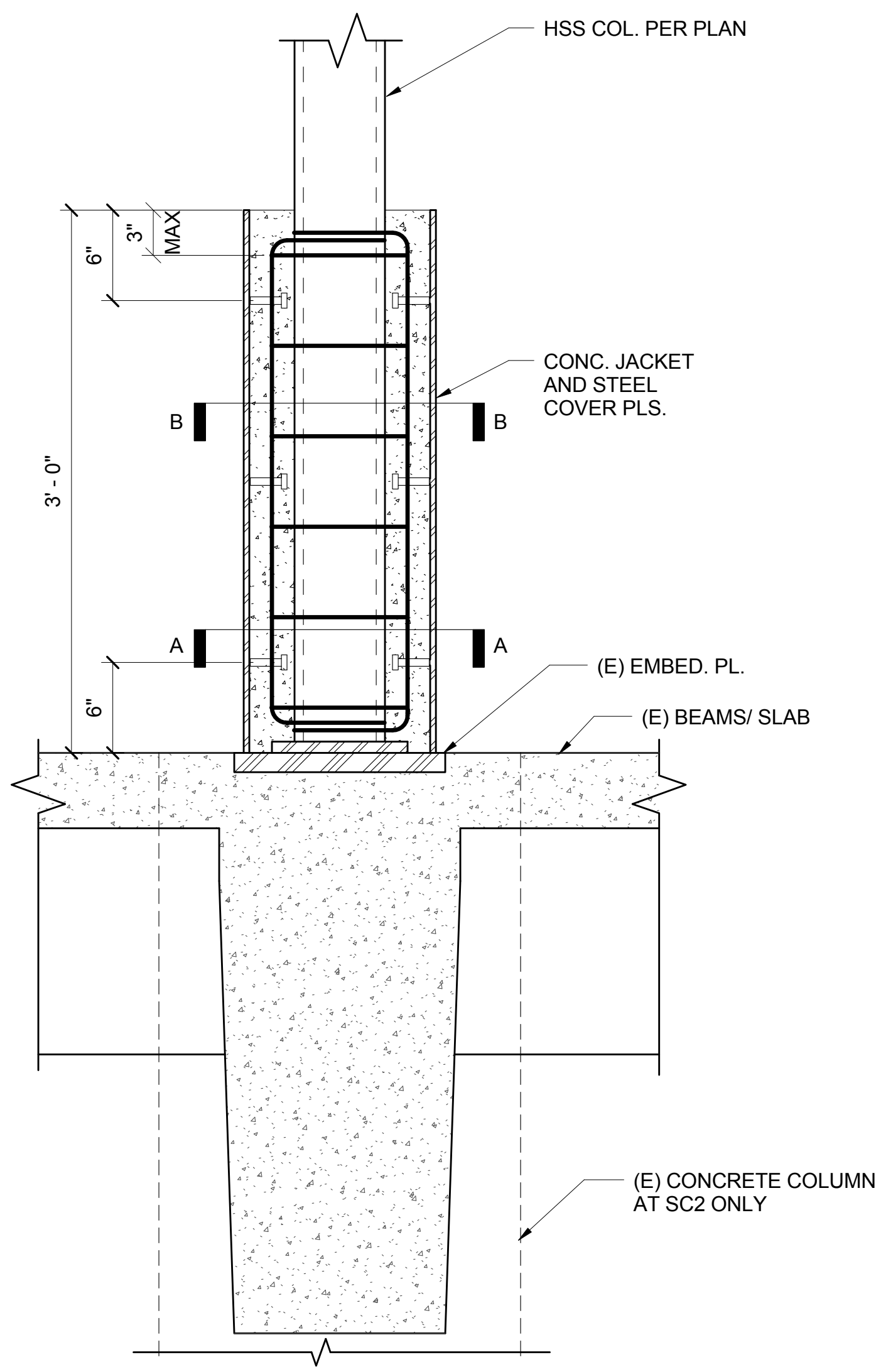


SECTION A-A



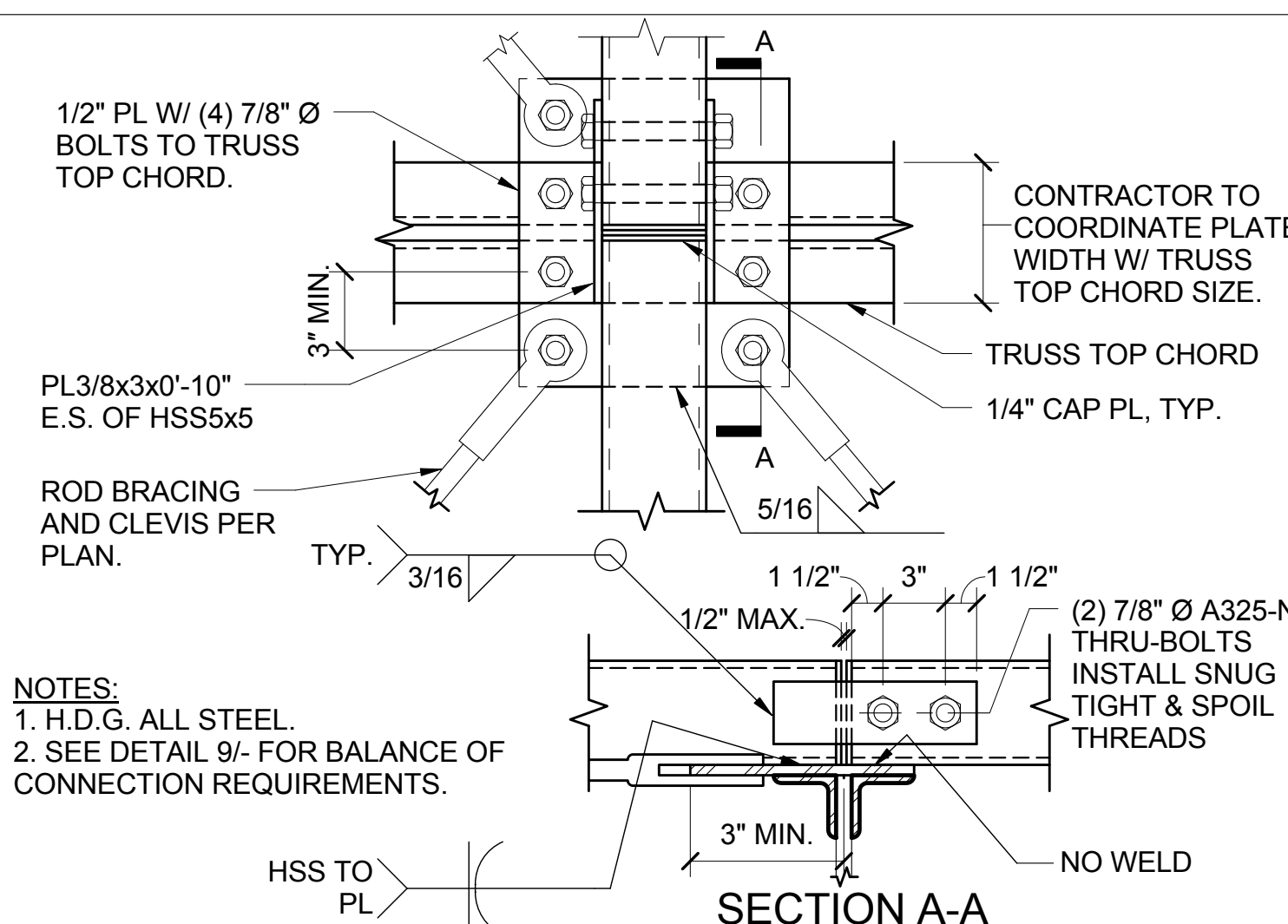
SECTION B-B

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



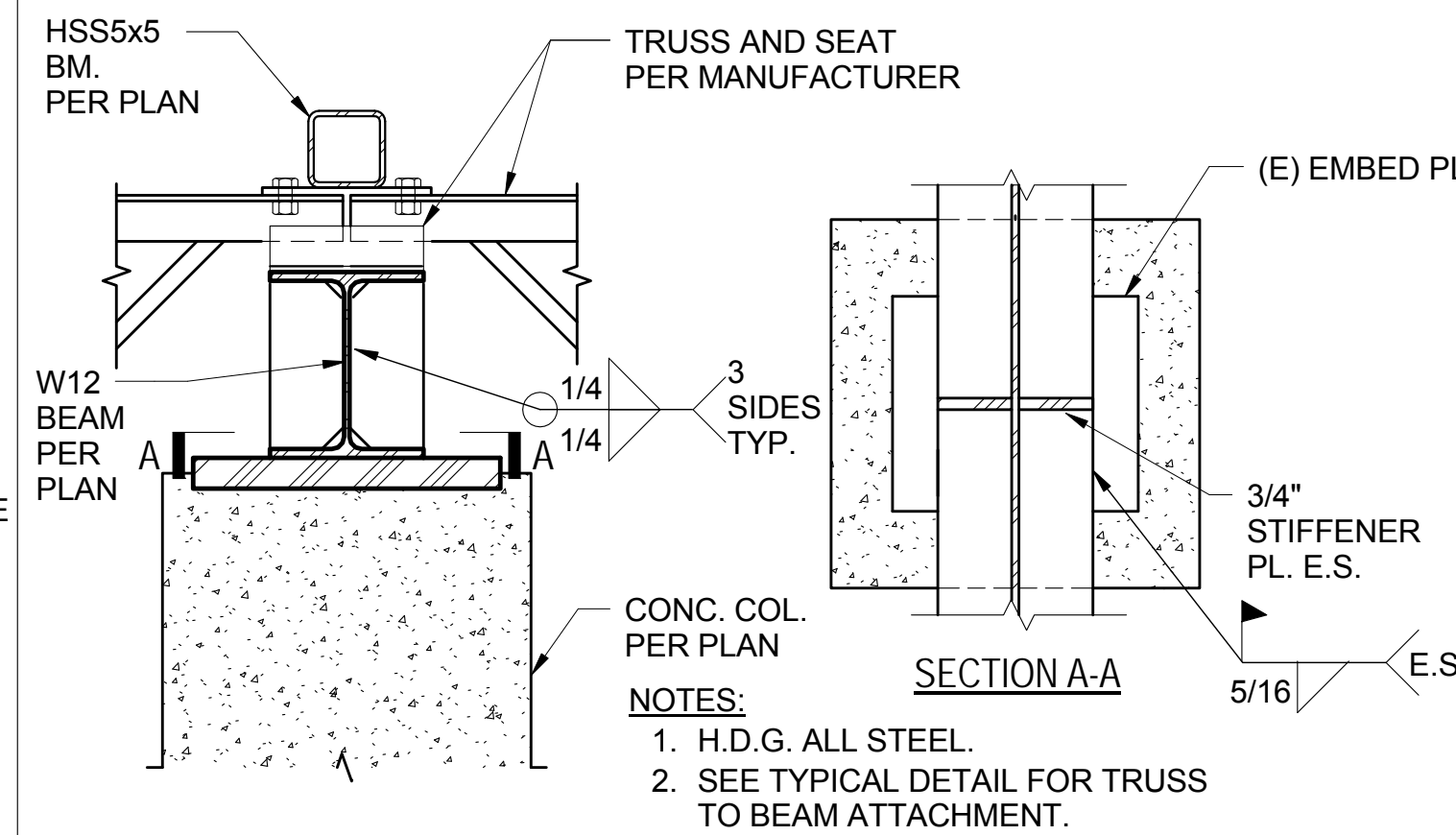
9 BRACE TO HSS CONNECTION

1 1/2" = 1'-0"



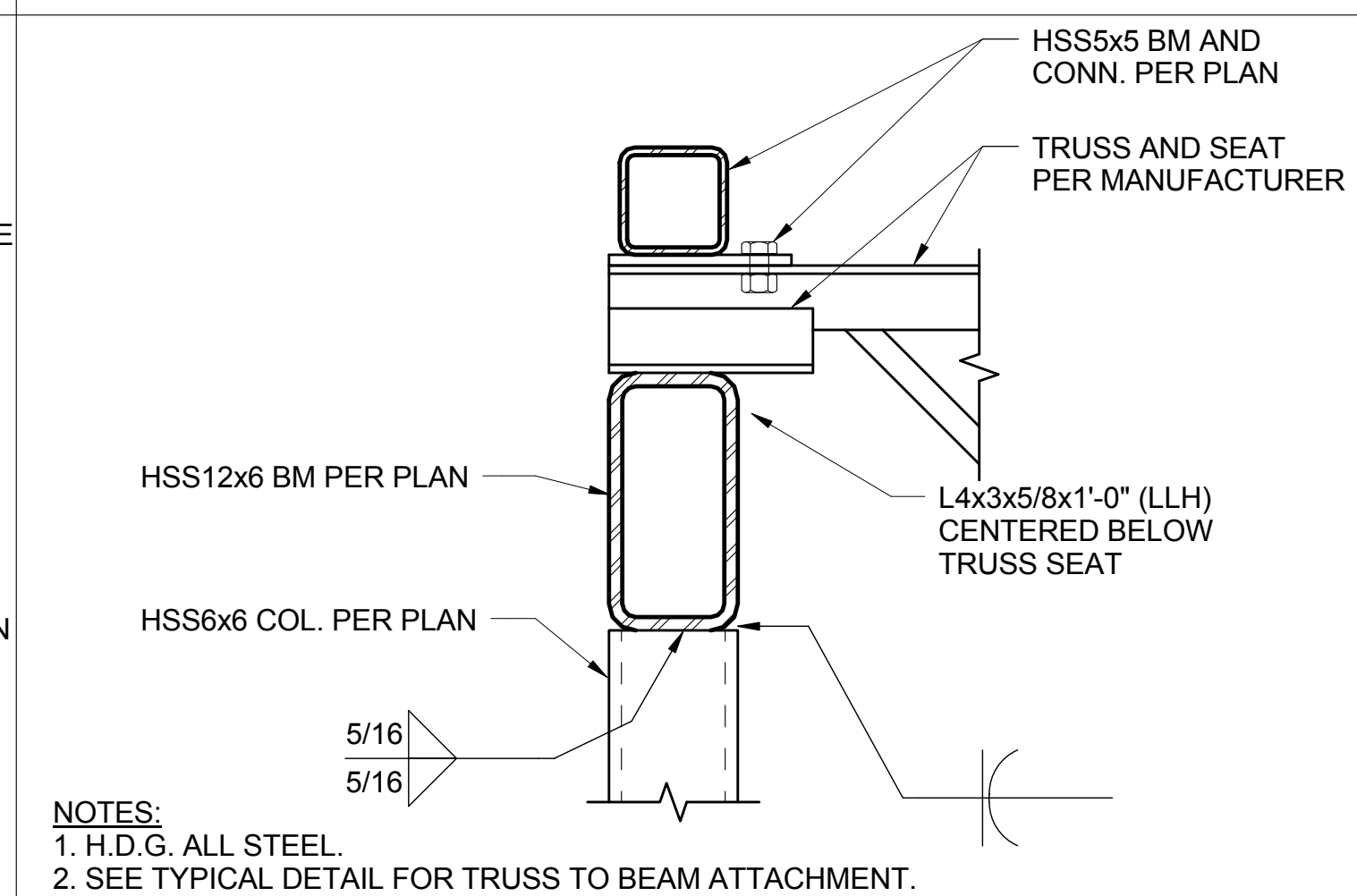
10 BRACE TO HSS CONNECTION

1 1/2" = 1'-0"



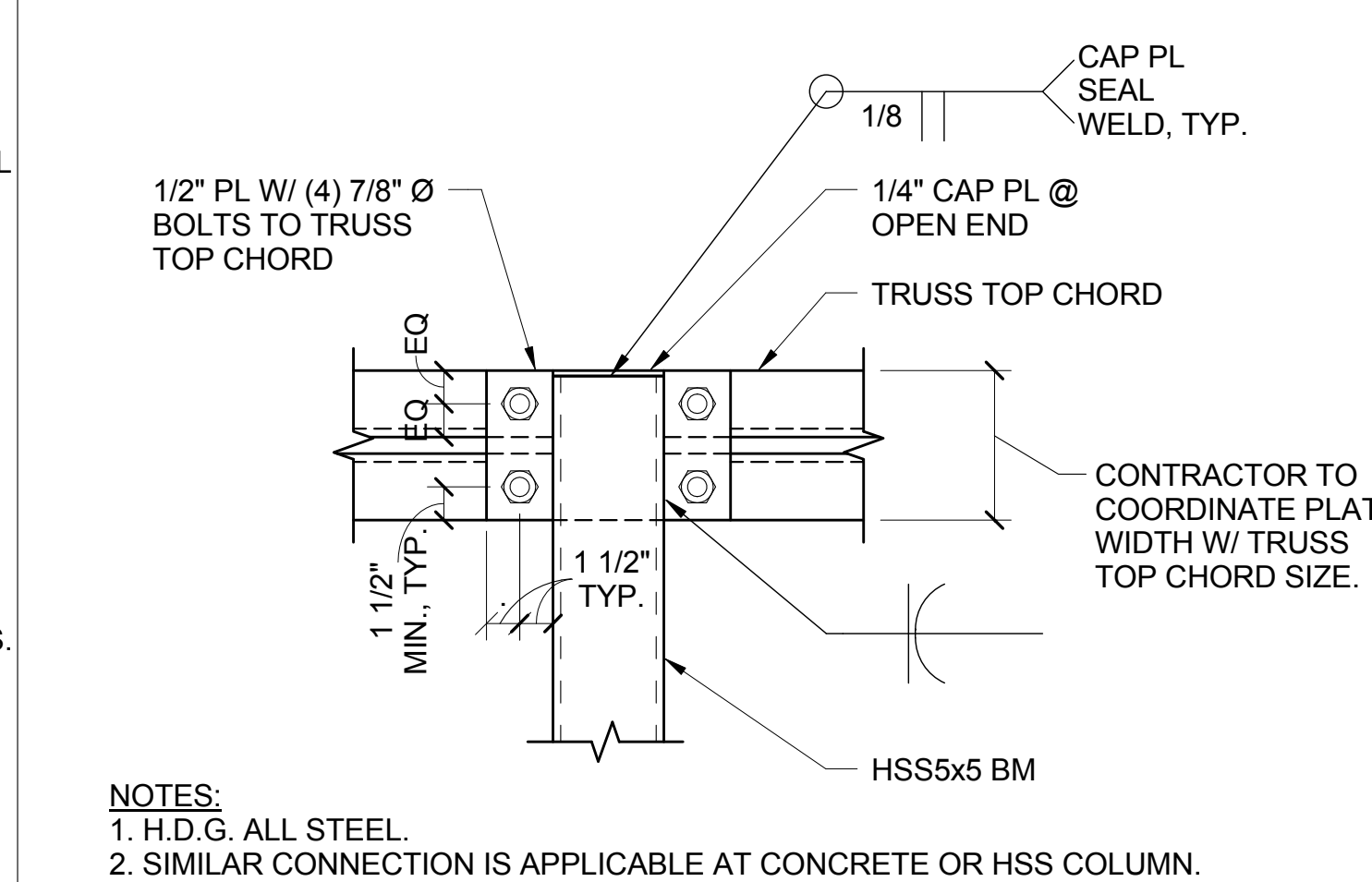
5 W12 TO CONCRETE COLUMN CONNECTION

1" = 1'-0"



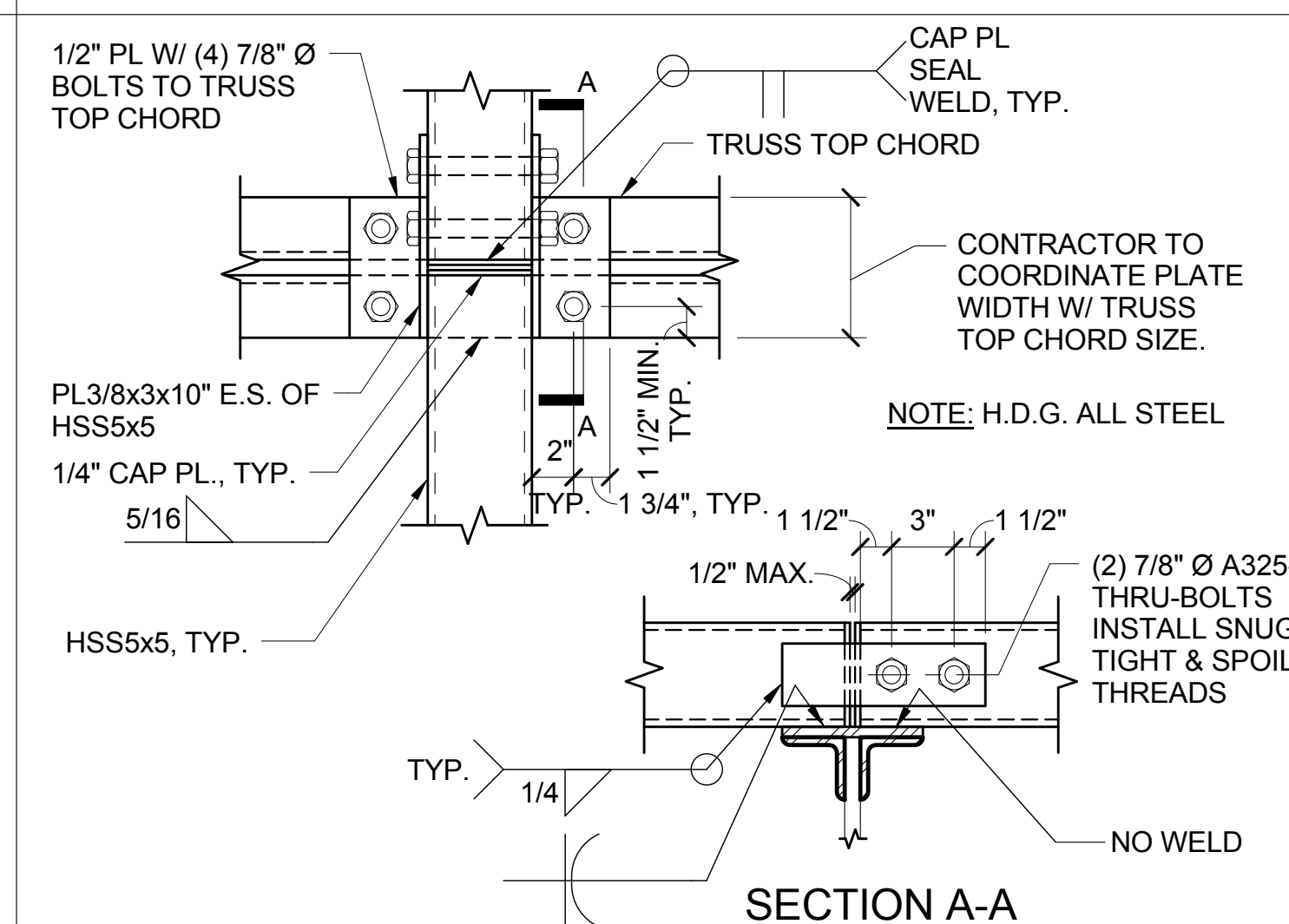
6 HSS COLUMN CONN.

1 1/2" = 1'-0"



1 HSS TO TRUSS CONNECTION

1 1/2" = 1'-0"

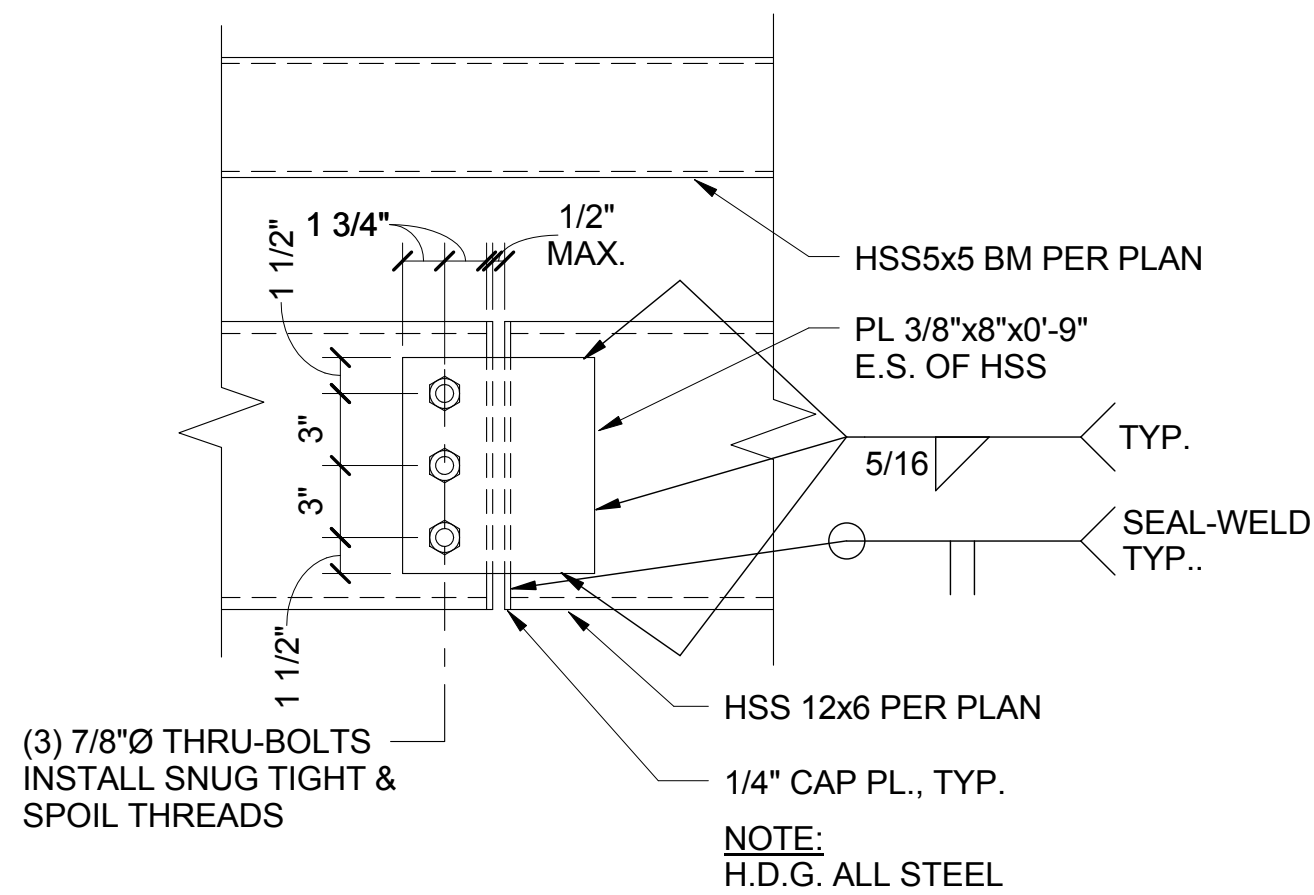


2 HSS TO TRUSS CONNECTION

1 1/2" = 1'-0"

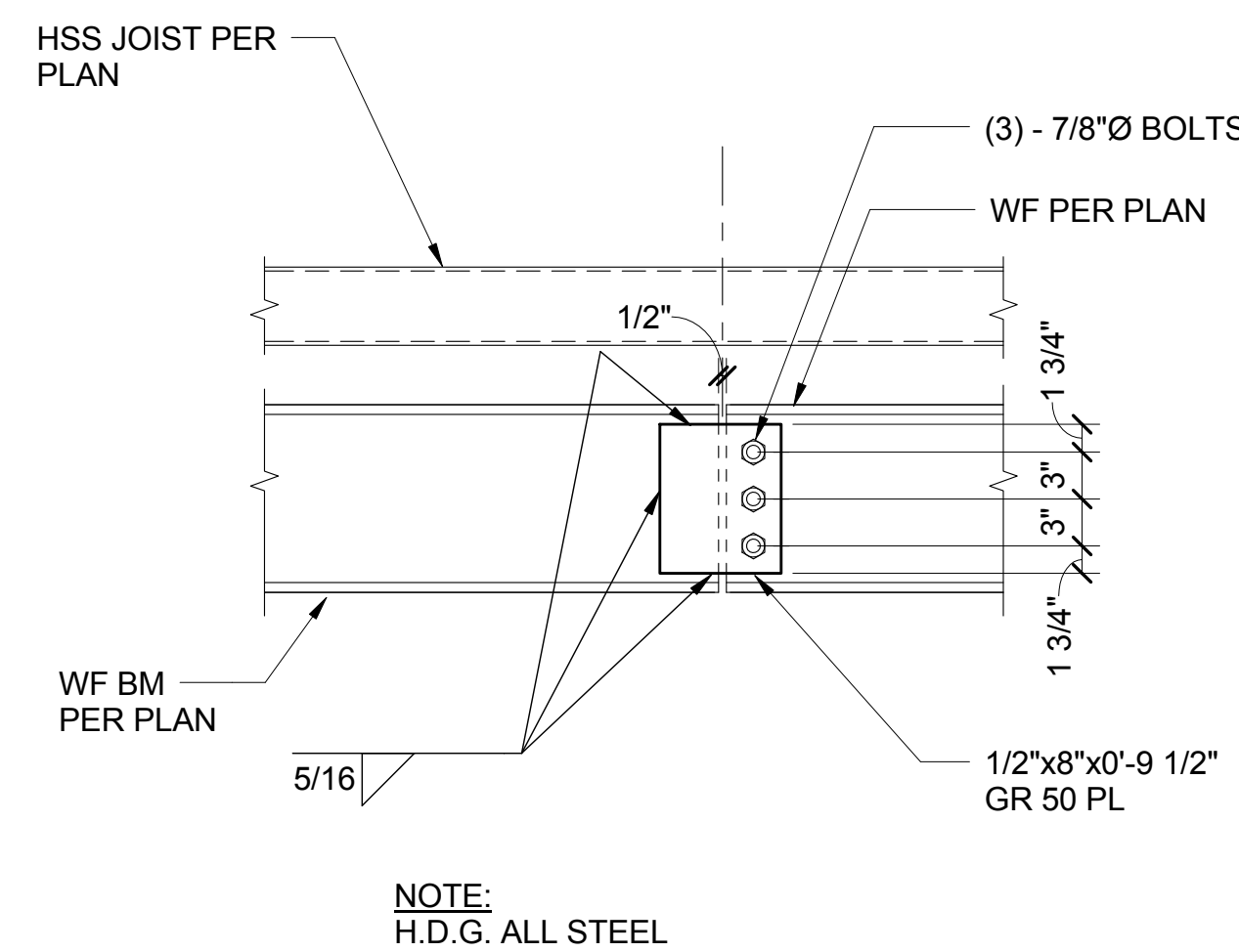
18 TRELLIS BASE PLATE CONNECTION

1 1/2" = 1'-0"



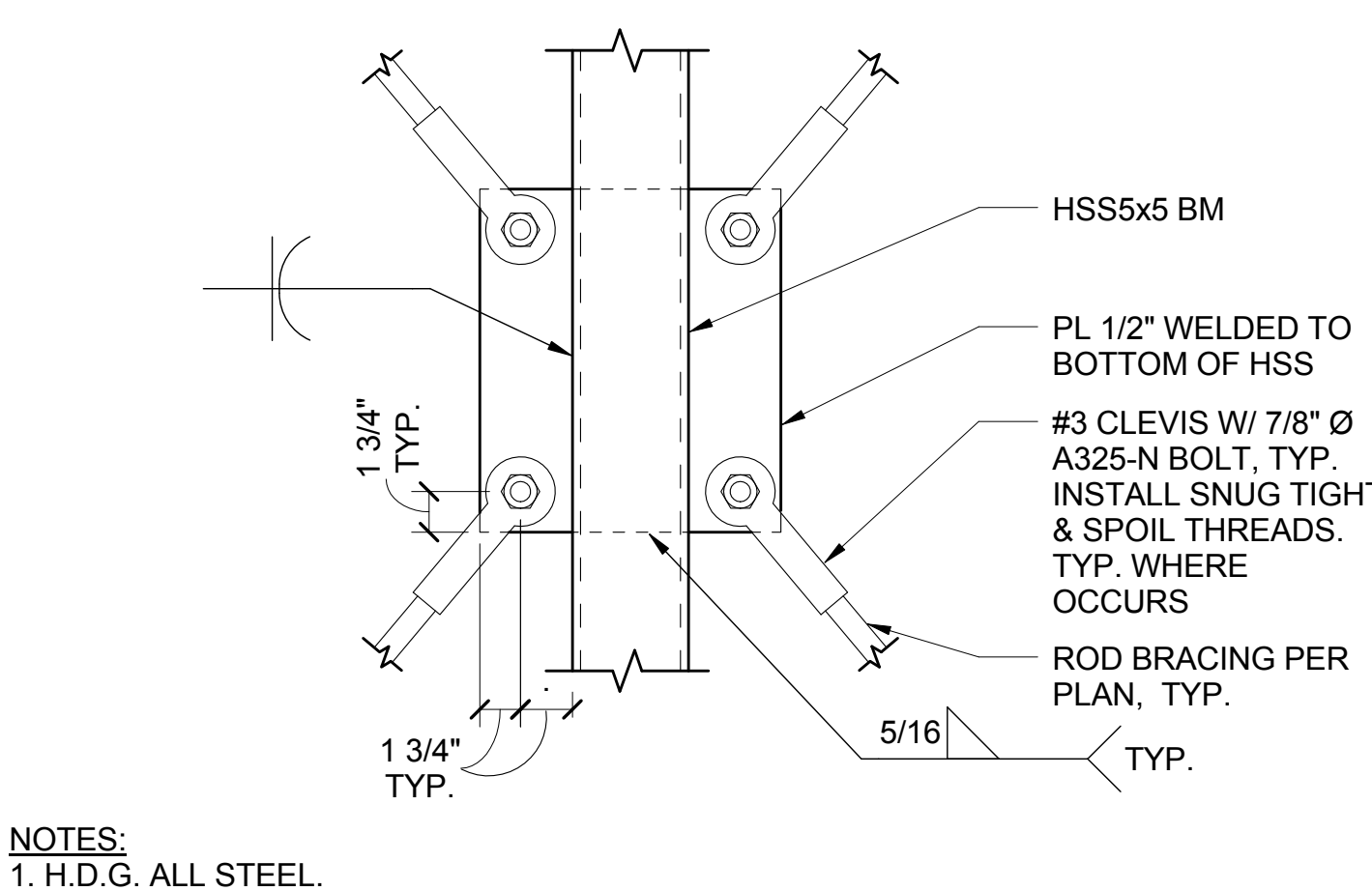
19 HSS BEAM SPLICE

1 1/2" = 1'-0"



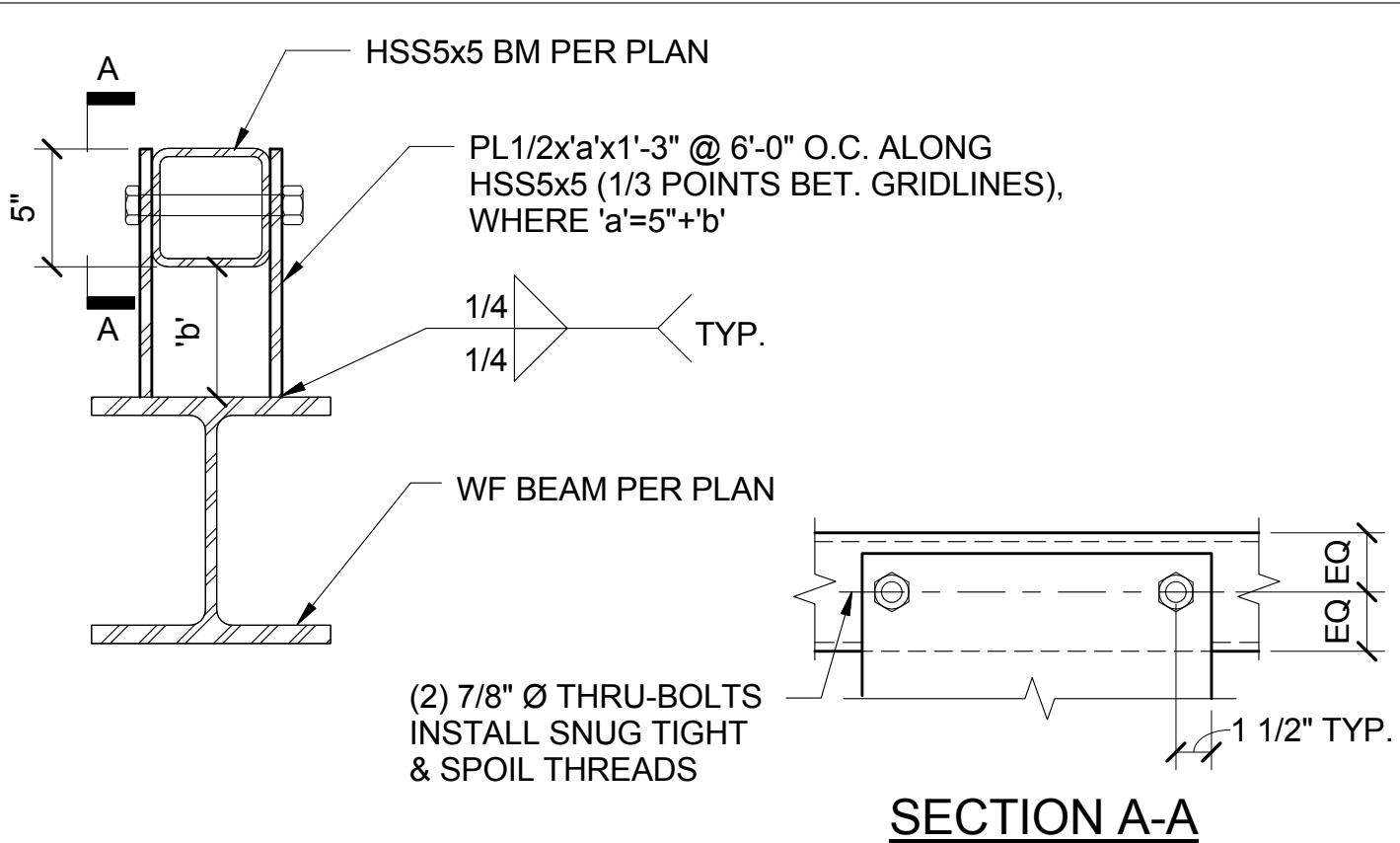
15 WF BEAM SPLICE DETAIL

1" = 1'-0"



11 BRACE TO HSS CONNECTION

1 1/2" = 1'-0"



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/SF7.1.2 FOR MOUNTING CONDITIONS.

8 CANOPY FRAMING SCHEDULE TRUSSES

N.T.S.

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

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

20 COLUMN SCHEDULE

1 1/2" = 1'-0"

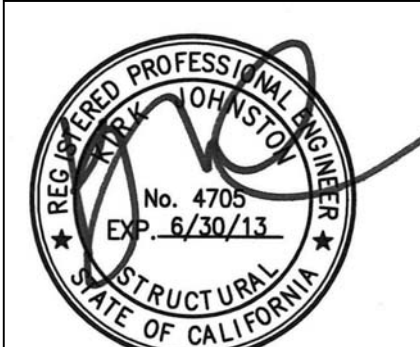
16 EDGE ANGLE AT END TRUSS

1 1/2" = 1'-0"

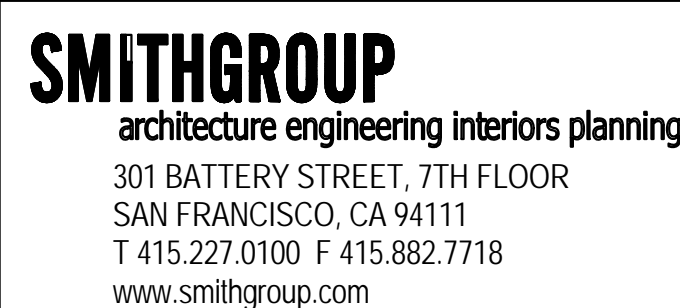
CONSULTANTS:



Seals and Signatures



ARCHITECT/ENGINEERS:



Associate Architect
The Design Partnership LLP
Architects + Planners
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SAN FRANCISCO, CA 94109
T 415.777.3737 F 415.777.3476
www.dpsl.com

Drawing Title

TRELLIS DETAILS

Approved: Project Director

Antonio Brucetius

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

SF7.1.1
Dwg. 9 of 10

Office of
Construction
and Facilities
Management



CONSTRUCTION DOCUMENTS

