

# DEPARTMENT OF VETERANS AFFAIRS

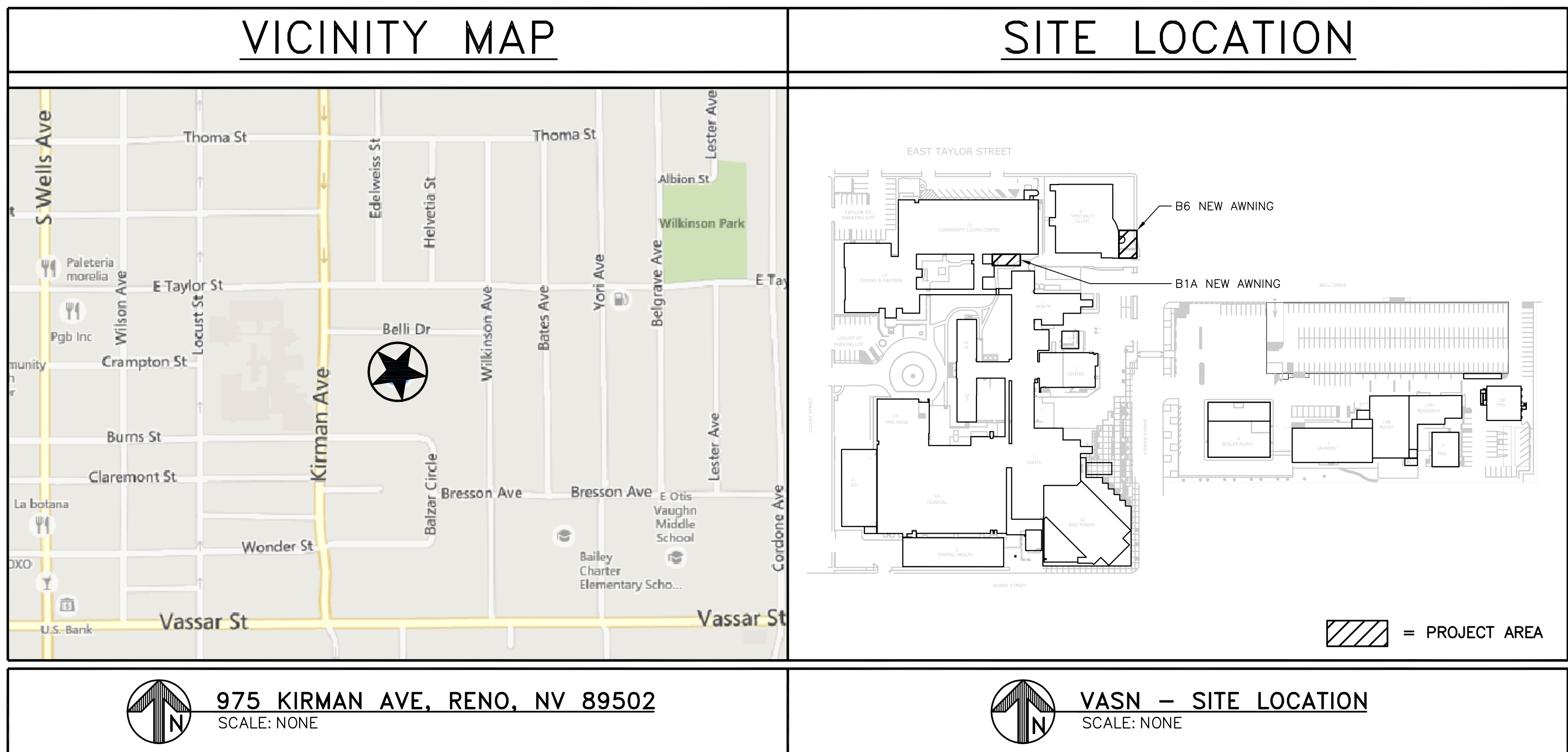
VA SNHCS

BUILDING 1A AND BUILDING 6 AWNING

VA MEDICAL CENTER

975 KIRMAN AVE, RENO, NV 89502

PROJECT NUMBER: 654-15-551



DRAWING INDEX	
NUMBER	DISCIPLINE
	GENERAL
G001	VICINITY MAP, SITE LOCATION, PROJECT DATE, DRAWING, INDEX, PROJECT DESCRIPTION, APPLICABLE CODES
	ARCHITECTURAL
A101	BUILDING 1A (N) AWNING FLOOR PLAN, ROOF PLAN, SECTION, ELEVATION AND DETAILS.
A102	BUILDING 6 (N) CANOPY FLOOR PLAN, ROOF PLAN, ELEVATION AND SECTION
	STRUCTURAL
S101	FOUNDATION, FRAMING PLAN AND DETAILS.

PROJECT DESCRIPTION
THE FOLLOWING PROJECT CONSISTS OF THE PLANNING AND DESIGN OF 2 NEW AWNINGS TO BE INSTALLED @ BUILDING 1A AND BUILDING 6 RESPECTIVELY.
APPLICABLE CODES
<ul style="list-style-type: none"><li>• 2012 INTERNATIONAL BUILDING CODE (IBC).</li><li>• 2012 INTERNATIONAL MECHANICAL CODE (IMC).</li><li>• 2012 INTERNATIONAL PLUMBING CODE (IPC).</li><li>• 2014 NATIONAL ELECTRICAL CODE (NEC).</li><li>• 2014 NFPA 70 NATIONAL ELECTRICAL CODE.</li><li>• 2013 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE.</li><li>• 2012 NFPA 99 HEALTH CARE FACILITIES CODE.</li><li>• 2012 NFPA 101 LIFE SAFETY CODE.</li><li>• 2012 – 2013 OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.</li><li>• 2006 ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING:<ul style="list-style-type: none"><li>• 2011 VA SUPPLEMENT, BARRIER FREE DESIGN GUIDE (PG-18-13).</li></ul></li><li>• 2014 VA MASTER CONSTRUCTION SPECIFICATION, THE PROVISION FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS.</li><li>• 2013 VA SEISMIC DESIGN REQUIREMENTS, (H-18-8).</li><li>• 2013 VA SIGNAGE DESIGN GUIDE.</li><li>• 2013 VA DESIGN AND CONSTRUCTION PROCEDURES (PG-18-3).</li><li>• 2014 VA DESIGN MANUAL: PG-18-10 INCLUDING:<ul style="list-style-type: none"><li>• 2010 PLUMBING DESIGN MANUAL</li><li>• 2011 FIRE PROTECTION DESIGN MANUAL.</li></ul></li></ul>

PROJECT DATA	
OCCUPANCY TYPE:	NUMBER OF STORIES:
BUILDING B1A: N/A	BUILDING B1A: N/A
BUILDING B6: N/A	BUILDING B6: N/A
CONSTRUCTION TYPE:	APPROXIMATE AREA OF WORK:
BUILDING B1A: N/A	BUILDING B1A: N/A
BUILDING B6: N/A	BUILDING B6: N/A
FIRE SPRINKLER STATUS:	
BUILDING B1A: N/A	
BUILDING B6: N/A	

ISSUE FOR BID DOCUMENTS	
ISSUE FOR BID (14-130)	12/12/14
100% CONSTRUCTION DOCUMENTS (14-127)	12/09/14
65% CONSTRUCTION DOCUMENTS (14-121)	12/02/14
50% DESIGN REVIEW (14-115)	11/21/14
Revisions:	Date

CONSULTANTS:

VASN KEY PLAN:

STAMP:

ARCHITECT/ENGINEERS:



ATTENTION:  
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PO# 14-308-43

Drawing Title:  
**GENERAL  
VICINITY MAP, SITE LOCATION, PROJECT DATE, DRAWING  
INDEX, PROJECT DESCRIPTION, APPLICABLE CODES**

Approved: Project Director:

Project Title:  
**VA SIERRA NEVADA  
BUILDING 1A & BUILDING  
6 AWNING**

Location:  
**975 KIRMAN AVENUE, RENO, NV 89502**

Date:  
**11/21/2014**

Checked:  
**H. OJEDA**

Drawn:  
**J. AGUIRRE**

Project Number  
**654-15-551**

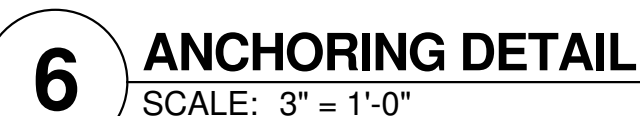
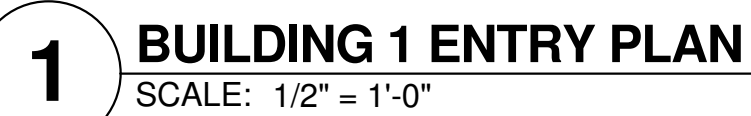
Building Number  
**B1A & B6**

Drawing Number:  
**G001**

**Office of  
Facilities  
Management**







- 1 GRINDWELDS, BUNS, SAND AND CLEAN ALL METAL SURFACES TO PREPARE FOR PAINTING.
- 2 FIRST COAT APPLY DEVCOE BAR RUST 395 MULTI-PURPOSE SURFACE TOLERANCE EPOXY-SEMIGLOSS.
- 3 SECOND COAT-DEVCOE DEVTHANE 37G ALIPHATIC URETHANE GLOSS FINISH, COLOR TO MATCH DARK BRONZE DOOR FRAME.

 Department of  
Veterans Affairs







GENERAL NOTES:

1. DEFERRED SUBMITTAL OF CANOPY

THE DESIGN SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY AND THE ACTUAL DESIGN AND DETAILING OF THE NEW CANOPY IS A DEFERRED SUBMITTAL ITEM. COMPLETE DESIGN DRAWINGS AND DESIGN CALCULATIONS BASED ON THE 2012 INTERNATIONAL BUILDING CODE (IBC) SHALL BE SUBMITTED FOR THE NEW CANOPY - FOUNDATIONS, STEEL FRAMING, AND ALL ARCHITECTURAL FEATURES INCLUDING WATERPROOFING. DRAWINGS AND CALCULATIONS SHALL BE STAMPED AND SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER QUALIFIED TO PERFORM THIS WORK PER THE VA GUIDELINES. SUBMIT THESE DRAWINGS TO THE PROJECT ARCHITECT AND OWNER FOR REVIEW.

2. REFERENCE TO OTHER DRAWINGS

SEE ARCHITECTURAL DRAWINGS FOR KINDS OF FLOOR FINISHES, DEPRESSIONS IN SLAB, OPENINGS IN WALLS AND ROOF REQUIRED BY DOORS, WINDOWS, DUCTS, VENTS, HATCHES, PLUMBING, ETC.; ALL TYPES OF FLASHING, INSERTS, ANCHORS, HANGERS, ETC., EMBEDDED IN OR ATTACHED TO CONCRETE STRUCTURE; PAVING, WALKS, STAIRS, RAMPS, CURBS, PARAPETS, TERRACES, ETC... EXTERIOR GRADES, ROOF SLABS, CRICKETS AND DRAINS.

3. DISCREPANCIES

THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AS TO LAYOUT DIMENSIONS AND ELEVATIONS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK IN QUESTION. THE CONTRACTOR SHALL FIELD SURVEY THE EXISTING CONDITIONS AND DETERMINE FIELD FIT OF NEW COMPONENTS TO EXISTING CONDITIONS.

4. OMISSIONS

IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR IN THE DRAWINGS.

5. STRUCTURAL STEEL

ASTM A992 - W SHAPES AND WT SHAPES  
ASTM A36 - CHANNELS (C), ANGLES (L), STEEL PLATES, AND ALL OTHER SHAPES, U.O.N.  
ASTM A572, GRADE 50 - STEEL PLATES AND BARS WHERE NOTED ON PLAN  
ASTM A572, GRADE 50 - HP SHAPES  
ASTM A500, GRADE B - SQUARE TUBING (HSS)  
ASTM A53, GRADE B - PIPE COLUMNS  
ASTM A307 - MACHINE BOLTS, ANCHOR BOLTS, AND NUTS  
ASTM A5.5 E70XX ELECTRODES FOR SHIELDED METAL ARC WELDING  
ASTM A5.17-EXXX ELECTRODES FOR SUBMERGED ARC WELDING

METAL PRIMER SHALL CONFORM WITH FEDERAL SPECIFICATION TT-P-645A FOR SHOP COAT PAINT. APPLY ONE COAT TO ALL SURFACES EXCEPT AREAS OF FIELD WELDING AND WHERE EMBEDDED IN CONCRETE. ALL BUTT WELDED JOINTS SHALL BE ASW AND ALSO COMPLETE PENETRATION WELDS. ALL DETAILING, FABRICATION, AND ERECTION SHALL COMPLY WITH AWS, LATEST EDITION. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED CONFORMING TO ASTM A525, G-80. SUBMIT SHOP AND ERECTION DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SPECIAL INSPECTION IS REQUIRED FOR ALL WELDING AND HIGH STRENGTH BOLTING. A WELDING SCHEDULE SHALL BE PLANNED TO MINIMIZE RESIDUAL STRESSES AND DISTORTIONS OF INDIVIDUAL MEMBERS AND THE BUILDING FRAME. COMPLETE WELDING PROCEDURE SPECIFICATIONS (WPS) SHALL BE SUBMITTED BY THE CONTRACTOR TO BE REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD (SEOR) AND THE BUILDING DIVISION PRIOR TO THE COMMENCEMENT OF ANY WELDING.

AT NEW WELDING TO EXISTING STEEL MEMBERS, REMOVE EXISTING PAINT AND PRIMER PRIOR TO WELDING. PREPARE THE EXISTING STEEL SURFACES AS REQUIRED. REPRIME AND REPAINT COMPLETED STEEL WORK.

THE WELDING AT STEEL MOMENT FRAMES CONNECTIONS SHALL BE PERFORMED USING WELD FILLER METAL HAVING A V-NOTCH (CHARPY) TOUGHNESS OF 20 ft-lb AT 70 DEGREES FAHRENHEIT. E70T-F FILLER METAL IS PROHIBITED.

6. CONCRETE

ALL CONCRETE SHALL BE REGULAR WEIGHT CONCRETE (145 PCF) AND SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c) OF 3,000 PSI FOR ALL CONCRETE MEMBERS. ALL CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY SANDBLASTING THE ENTIRE SURFACE EXPOSING THE CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX.

ALL REINFORCING STEEL, BOLTS, ANCHORS, SLEEVES, ETC. SHALL BE SECURELY ANCHORED IN PLACE BEFORE CONCRETE IS PLACED. ALL REINFORCING DETAILS, FABRICATION, AND INSTALLATION SHALL CONFORM TO ACI STANDARD 315, LATEST EDITION, EXCEPT AS NOTED. COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION. STAGGER ALL SPLICES WHERE PRACTICAL AND NOT OTHERWISE DETAILED. NOTIFY ARCHITECT A MINIMUM OF 48 HOURS IN ADVANCE OF CONCRETE POURS SO THAT REINFORCEMENT PLACEMENT MAY BE OBSERVED.

MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:

A. 3" WHERE CONCRETE IS PLACED AGAINST EARTH.

B. 2" WHERE CONCRETE IS EXPOSED TO EARTH BUT PLACED IN FORMS.

C. 1 1/2" FROM EXTERIOR FACE OF WALLS.

D. 3/4" FROM INTERIOR FACE OF WALLS AND FACE OF STRUCTURAL SLABS.

UNLESS OTHERWISE NOTED, ALL SLABS-ON-GRADE SHALL BE REINFORCED WITH #4 BARS @ 18" O.C., EACH WAY, CENTERED IN SLAB THICKNESS AND SUPPORTED ON PROPERLY SIZED ADOBS SPACED AT 4' ON CENTER MAXIMUM, EACH WAY.

ALL STEEL REINFORCING SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 EXCEPT #3 AND #4 BARS MAY BE GRADE 40. STEEL REINFORCING THAT IS TO BE WELDED SHALL BE DEFORMED BARS CONFORMING TO ASTM A706 AND WELDED WITH LOW HYDROGEN ELECTRODES.

THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING DURING CONSTRUCTION UNTIL THAT PORTION OF THE STRUCTURE HAS SUFFICIENT STRENGTH TO SUPPORT ITS WEIGHT AND THE LOADS PLACED THEREON. ALL BRACING AND SHORING SHALL BE DESIGNED BY OTHERS TO SUSTAIN ALL CONSTRUCTION LOADS, SOIL LOADS, LATERAL LOADS, AND OTHER LOADS THAT THE STRUCTURE MAY BE SUBJECTED TO.

7. DEMOLITION

THE REMOVAL, CUTTING, DRILLING, ETC. OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND WITH APPROPRIATE TOOLS IN ORDER NOT TO JEOPARDIZE THE INTEGRITY OF THE EXISTING STRUCTURE. IF THE EXISTING STRUCTURAL MEMBERS NOT INDICATED FOR REMOVAL INTERFERES WITH THE NEW WORK, THE ARCHITECT SHALL BE NOTIFIED SO THAT REMEDIAL PROCEDURES CAN BE ESTABLISHED PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.

8. SHORING

THE CONTRACTOR SHALL SAFELY SHORE WHEREVER NECESSARY TO ALLOW INSTALLATION OF THE NEW WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF ALL SHORING AND TEMPORARY WORK REQUIRED THROUGHOUT THE PROGRESS OF THE WORK.

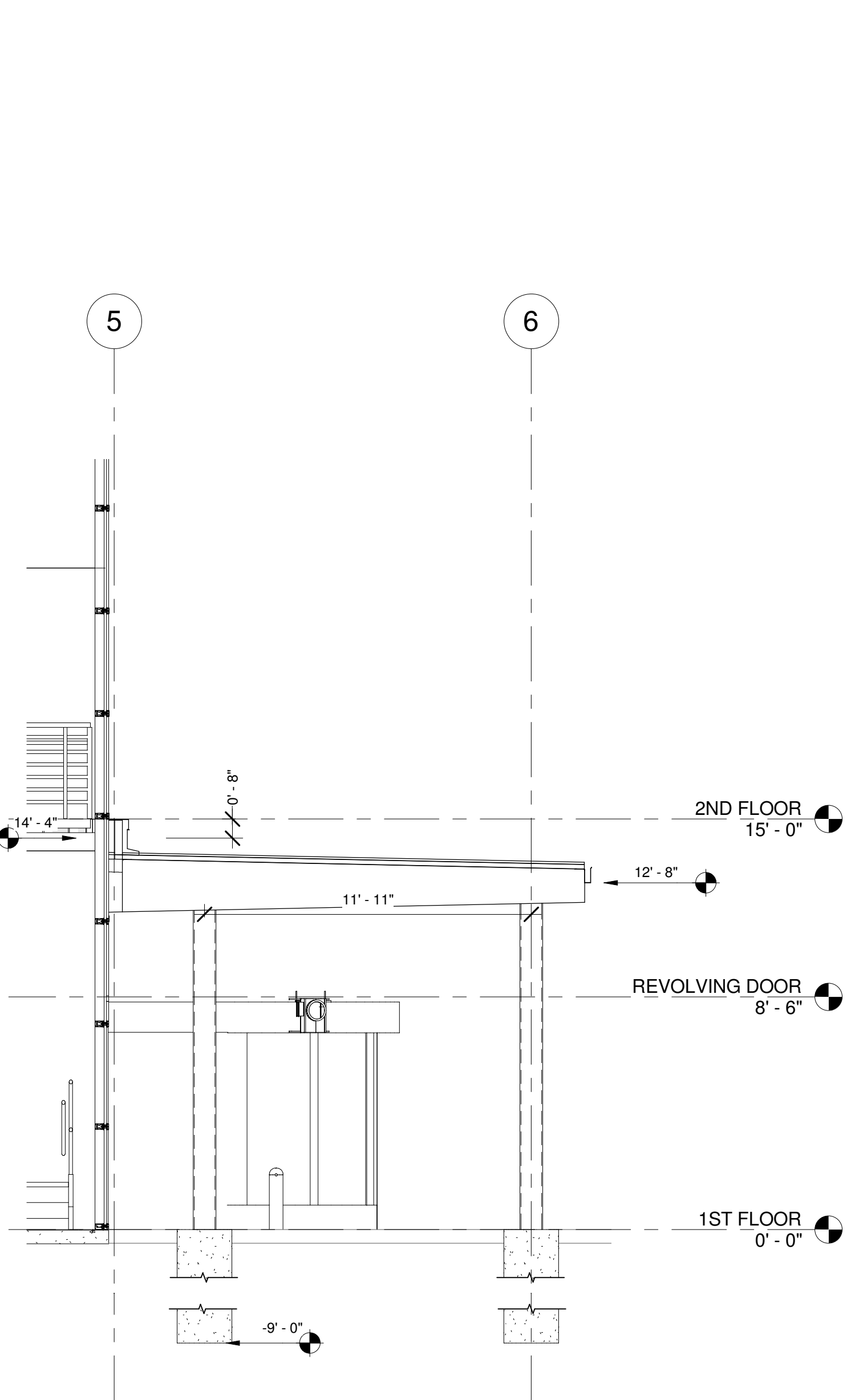
9. BASIS OF DESIGN

2012 INTERNATIONAL BUILDING CODE (2012 IBC & ASCE 7-10)

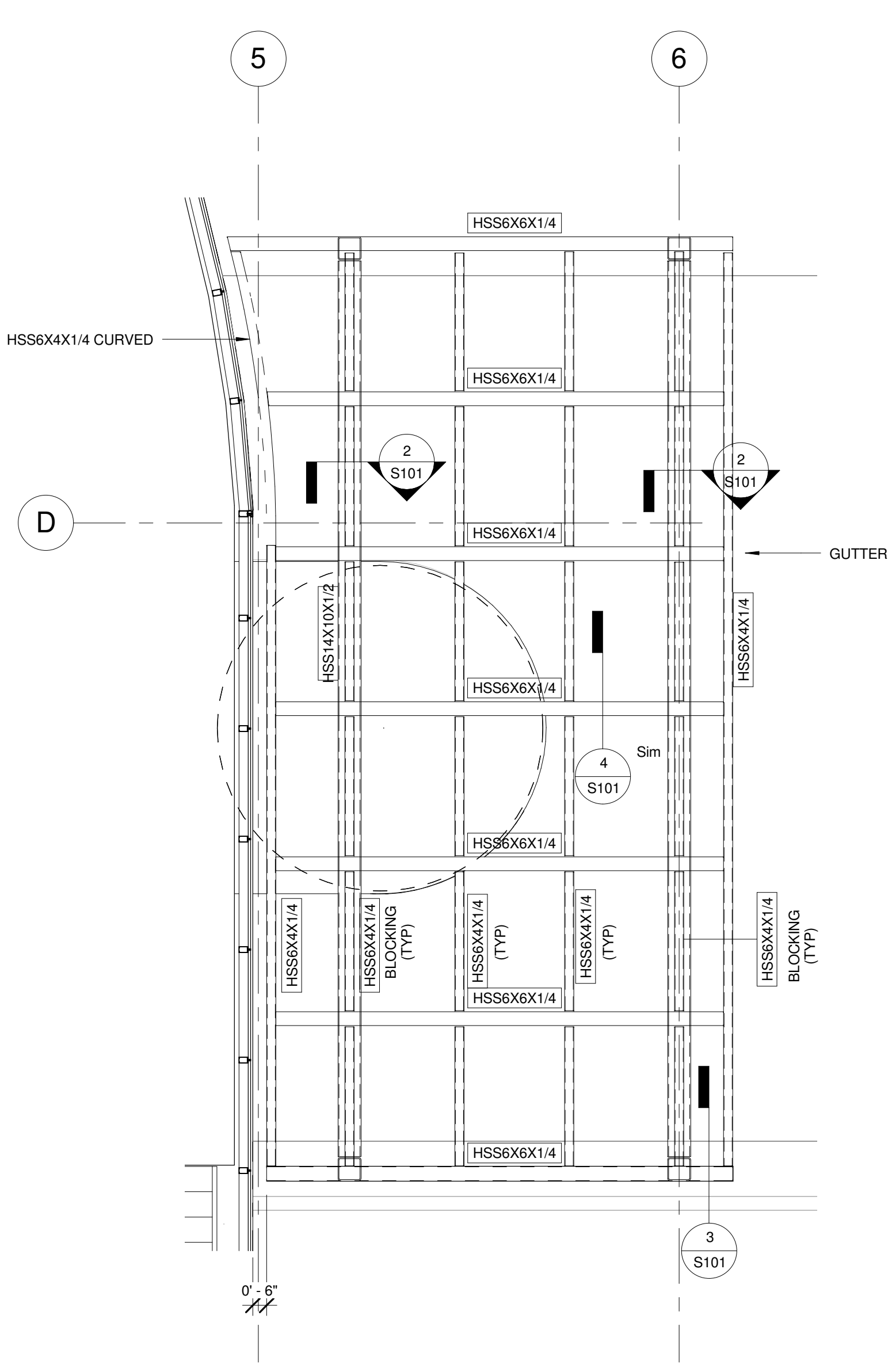
SEISMIC DESIGN CATEGORY C:  
USGS SEISMIC HAZARD CURVES: LATITUDE = 39.515982° & LONGITUDE = -119.798999°  
SS = 1.834g AND S1 = 0.618g  
SDS = 1.222g AND SD1 = 0.536g  
IQ = 1.5

BASIC WIND SPEED = 140 MPH (EXPOSURE C PER ASCE 7-10, Section 26.7)

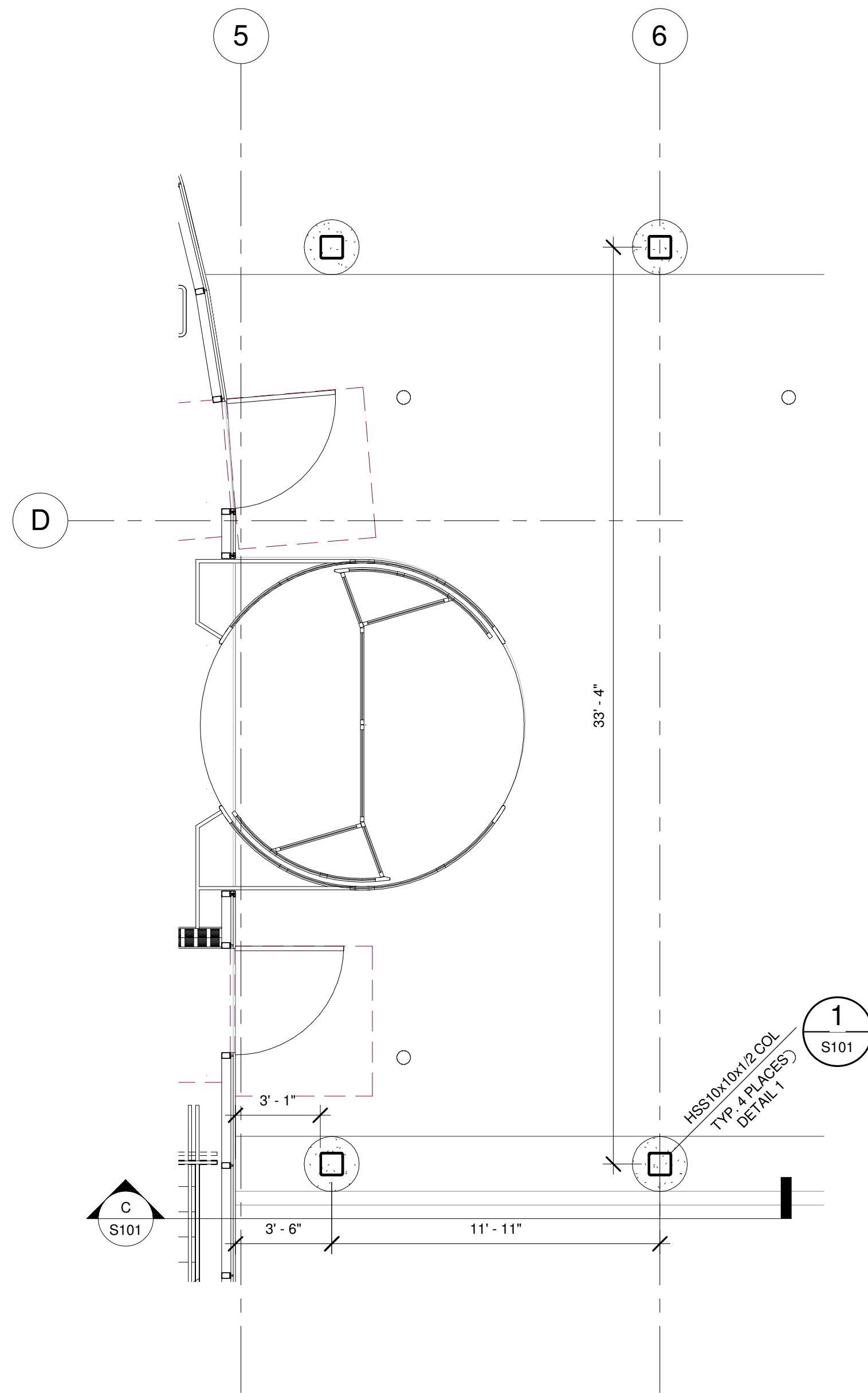
ROOF LIVE LOAD = 20 PSF



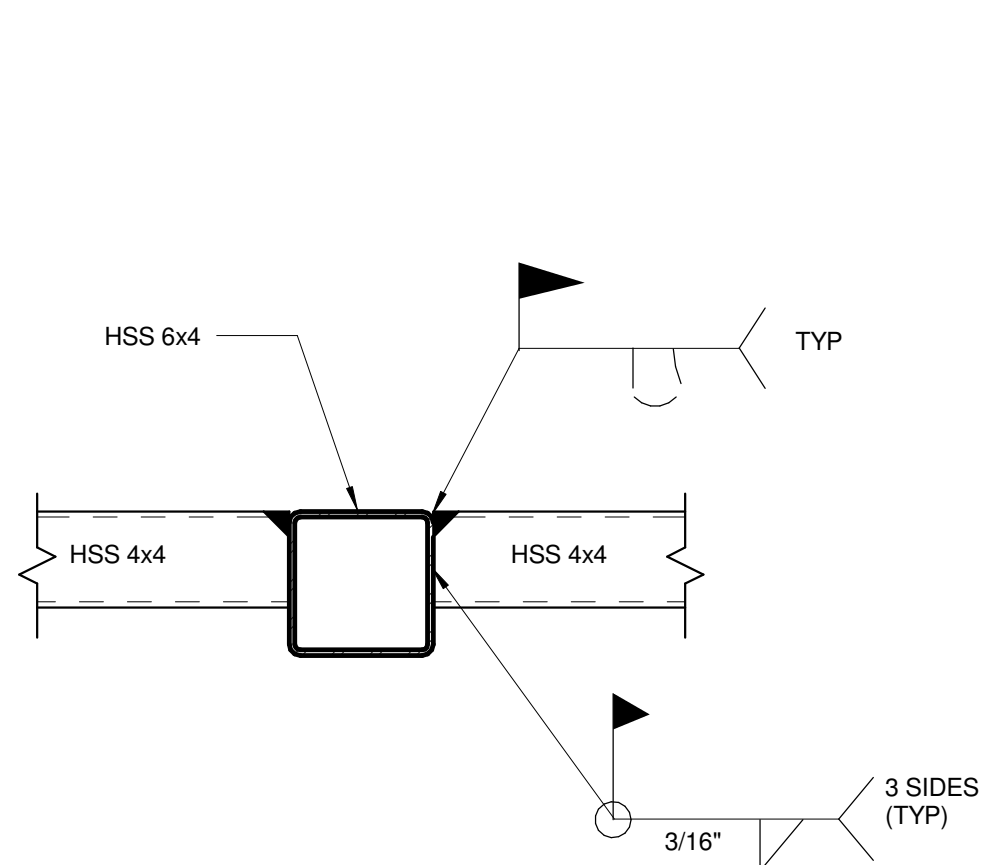
C CANOPY SECTION  
SCALE: 1/4" = 1'-0"



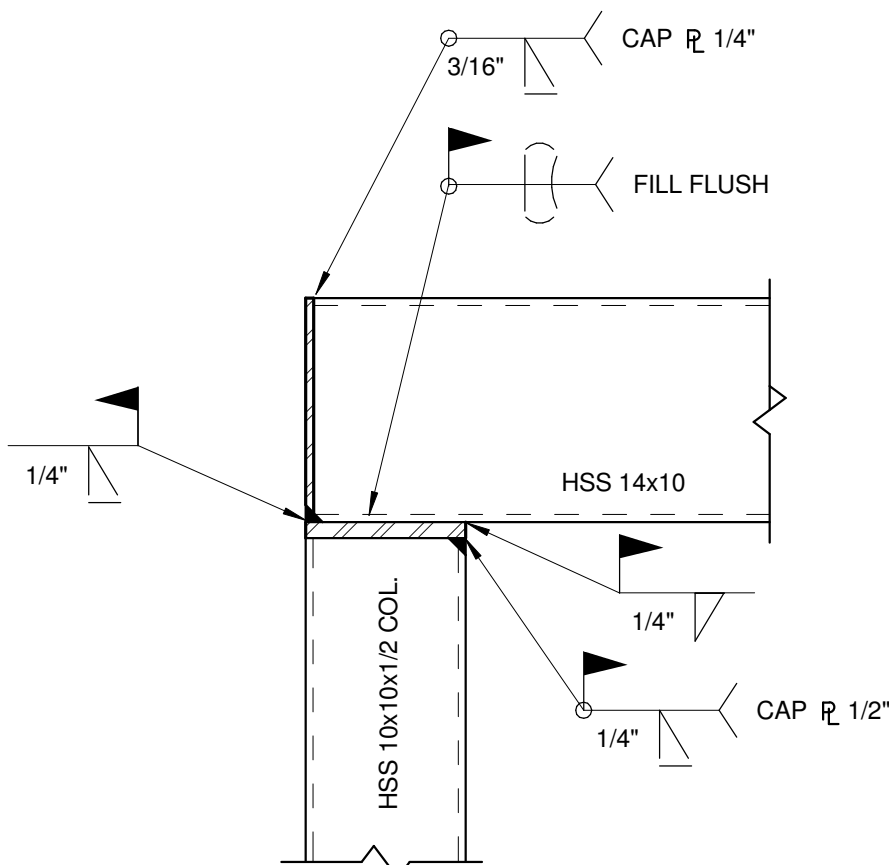
B BUILDING 6 (N) CANOPY FRAMING PLAN  
SCALE: 1/4" = 1'-0"



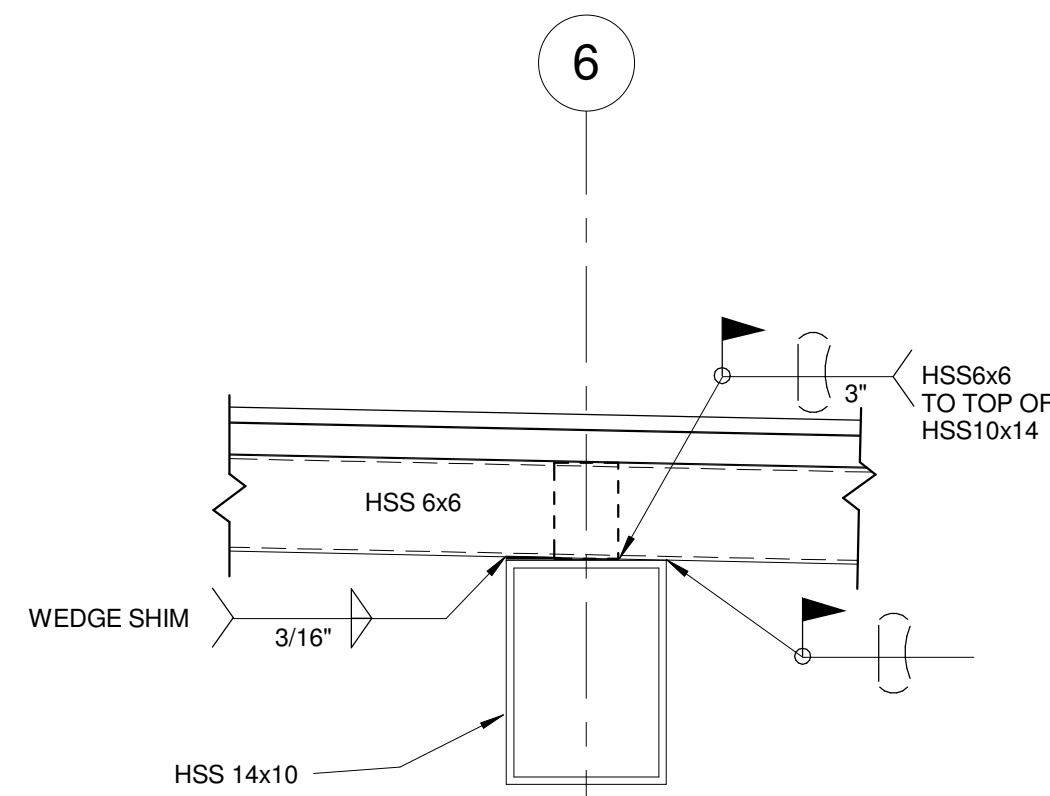
A BUILDING 6 ENTRY FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"



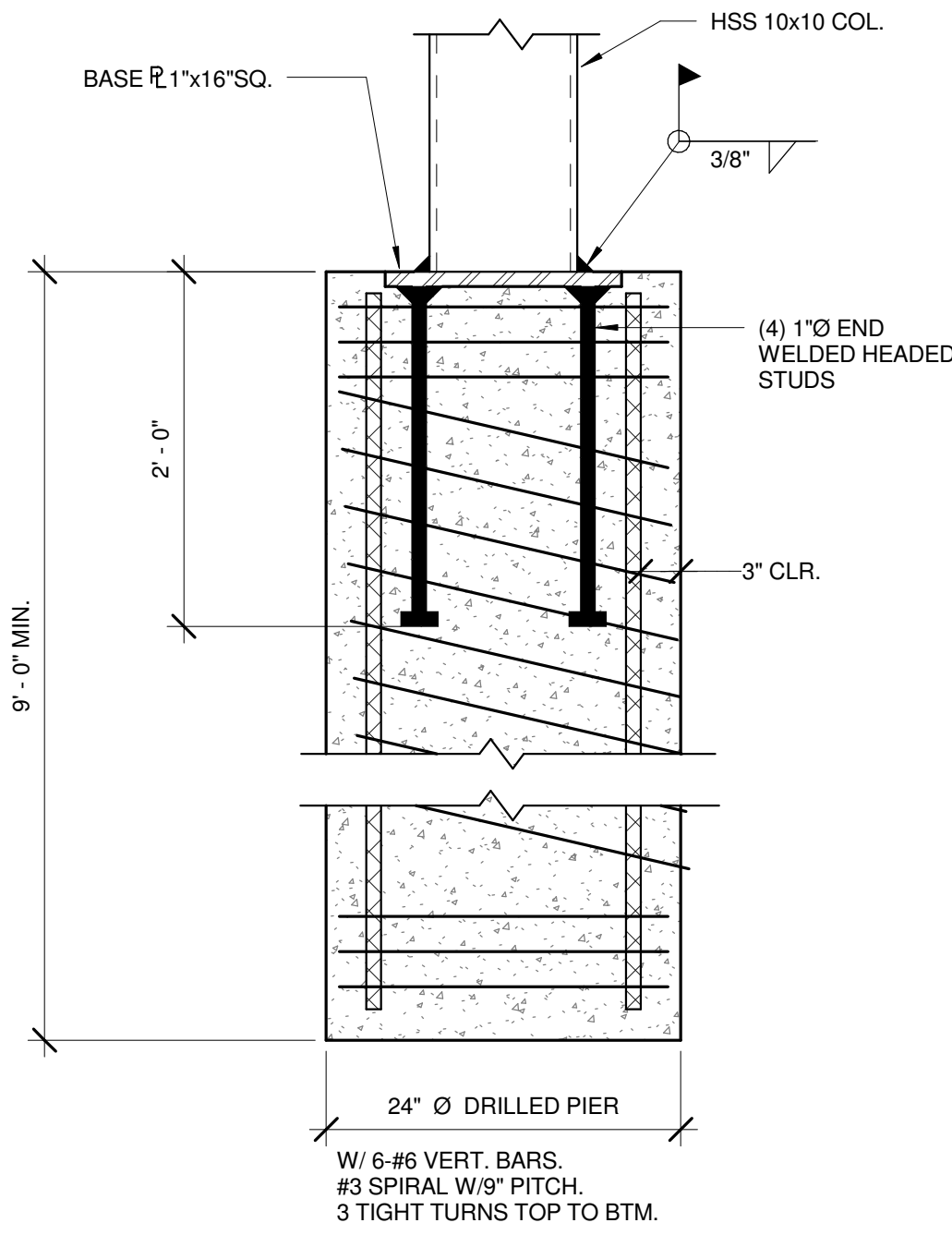
4 BEAM - BEAM JOINT  
SCALE: 1 1/2" = 1'-0"



3 BEAM - COLUMN JOINT  
SCALE: 1" = 1'-0"



2 BEAM DETAIL  
SCALE: 1" = 1'-0"



1 CONCRETE PIER DETAIL  
SCALE: 1" = 1'-0"

ISSUE FOR BID DOCUMENTS		CONSULTANTS:		KEY PLAN		STAMP		ARCHITECT/ENGINEERS:		Drawing Title:		Project Title:		Project Number:		Office of Facilities Management <div>Department of Veterans Affairs</div>			
		<div>Wong Structural Engineering, Inc.</div> <div>5655 Silver Creek Valley Road, #323 San Jose, CA 95138 T.408.309.0191 www.WongSE.com</div> <div><div>W</div><div>SE</div></div>				<div><div><div>A</div><div>ADVANCE DESIGN CONSULTANTS, INC.</div></div><div>99B PARK AVENUE SAN JOSE CALIFORNIA 95126 P: (408) 287-1881 F: (408)294-3186 www.adcengineers.com</div></div> <div>ATTENTION</div> <div>ONLY WET SIGNED DOCUMENTS CONSTITUTE ADVANCE DESIGN CONSULTANTS, INC. PROFESSIONAL WORK AND RECALCULATE OTHER REPRODUCIBLE DOCUMENTS MAY BE EASILY ALTERED WITHOUT THE CONSENT OF ADVANCE DESIGN CONSULTANTS, INC. THE WET SIGNED DOCUMENTS MUST BE REFERRED TO FOR THE ORIGINAL AND CORRECT INFORMATION. IF THERE ARE ANY DIFFERENCES BETWEEN THE WET SIGNED DOCUMENTS AND ANY OTHER DOCUMENTS, THE WET SIGNED DOCUMENTS SHALL PREVAIL.</div> <div>ADVANCE DESIGN CONSULTANTS, INC. IS NOT RESPONSIBLE FOR ANY MODIFICATIONS MADE TO OUR DOCUMENTS BY ANYONE OTHER THAN AUTHORIZED REPRESENTATIVES OF ADVANCE DESIGN CONSULTANTS, INC.</div> <div>PD# 13-306-29</div>		STRUCTURAL - FOUNDATION, FRAMING PLAN AND DETAILS		V.A. SIERRA NEVADA BUILDING 1A & BUILDING 6 AWNING		654-15-551							
Building Number: B1A & B6																			
Drawing Number: S101																			
Dwg. of																			
ISSUE FOR BID (14-130)		12/12/14								Approved: Project Director		Location: 975 KIRMAN AVE RENO, NV 89502		Date: 12/12/14		Checked: E. WONG		Drawn: J. AGUIRRE	
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Revisions:		Date																	