

STRUCTURAL TESTS, INSPECTIONS, AND OBSERVATIONS

- PER SECTION 1704 OF CBC 2007, THE FOLLOWING ITEMS SHALL BE INSPECTED AND TESTED BY A DEPUTY INSPECTOR.
- ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY A SPECIAL INSPECTOR PER CBC SECTION 1704. THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER, BUT NOT BY THE CONTRACTOR OR ANY OTHER PERSON RESPONSIBLE FOR THE WORK.
- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED (LICENSED) PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

LIST OF SPECIAL INSPECTION	YES	NO	N/A
FOUNDATION:			
A. GRADING AND FILLING AND CUT OPERATION PER SOILS REPORT	X		
B. FILL MATERIAL ACCEPTANCE TEST, COMPACTION CONTROL BEARING CAPACITY OF COMPACTED FILL	X		
CONCRETE:			
A. DURING THE TAKING OF TEST SPECIMENS	X		
PLACING OF REINFORCED CONCRETE	X		
B. SHOTCRETE			X
C. BOLT INSTALLED IN CONCRETE	X		
REINFORCING STEEL & PRE-STRESSING:			
A. DURING PLACING OF REINFORCING TENDONS & PRE-STRESSED STEEL	X		
B. DURING STRESSING OF POST TENSIONED CONCRETE ELONGATE JACKING FORCE LIFT-OFF FOR EVERY 18TH TENDON			X
C. SAMPLE AND TEST BAR STEEL & POST-TENSION CABLE	X		
STRUCTURAL MASONRY			
A. DURING PREPARATION AND TAKING OF PRISM OR TEST SPECIMENS	X		
B. PLACING OF ALL MASONRY UNITS, REINFORCEMENT, GROUTING AND MASONRY PRISM TEST	X		
STRUCTURAL STEEL:			
A. MILL REPORTS AND IDENTIFICATION OF STEEL (AFADAVIT OF COMPLIANCE)	X		
B. SAMPLING AND TESTING OF SPECIMEN	X		
WELDING:			
A. ALL STRUCTURAL WELDING (INCLUDES DECKING AND WELDED STUDS)	X		
B. ULTRASONIC TESTING OF FULL PENETRATION WELD CONNECTIONS AT MOMENT FRAMES, BRACED FRAMES, BEAM SPLICES, AND FIELD WELDS	X		
C. STRUCTURAL LIGHT GAGE METAL FRAME WELDING	X		
D. REINFORCING STEEL WELDING PER CBC 1704.4.2	X		
BOLT:			
A. HIGH STRENGTH BOLT A325SC & A490SC (TENSION VERIFICATION)	X		
B. HIGH STRENGTH BOLT A325N & A490N (SMUG CONTACT OF PLYS)	X		
C. EXPANSION ADHESIVE ANCHORS IN CONCRETE OR MASONRY INSTALLATION AND TESTING	X		
D. ANCHOR BOLTS AT CONCRETE WALLS AND BRACED FRAMES. (BOLT INSTALLATION AND CONCRETE PLACEMENT)	X		

TABLE 1704.3: VERIFICATION AND SPECIAL INSPECTION OF STEEL ELEMENTS OF BUILDING

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD a.	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360, SECTION A3.3	---
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	---	---
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
A. BEARING TYPE CONNECTIONS.	---	X	---	---
B. SLIP-CRITICAL CONNECTIONS.	X	X	AISC 360, SECTION M2.5	1704.3.3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	---	ASTM A 6 OR ASTM A 568	1708.4
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	---	---	ASTM A 6 OR ASTM A 568	---
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	---	AISC 360, SECTION A3.5	---
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	---	---	---
5. INSPECTION OF WELDING:				
A. STRUCTURAL STEEL:				
1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	---	---	---
2) MULTIPASS FILLET WELDS	X	---	---	---
3) SINGLE-PASS FILLET WELDS > 5/16"	X	---	---	---
4) SINGLE-PASS FILLET WELDS <= 5/16"	---	X	---	---
5.) FLOOR AND ROOF DECK WELDS.	---	X	AWS D1.3	---
B. REINFORCING STEEL:				
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	---	X	---	---
2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	X	---	AWS D1.4 ACI 318: 3.5.2	---
3) SHEAR REINFORCEMENT.	X	---	---	---
4) OTHER REINFORCING STEEL.	---	X	---	---
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
A. DETAILS SUCH AS BRACING AND STIFFENING.	---	---	---	1704.3.2
B. MEMBER LOCATIONS	---	---	---	---
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	---	---	---	---

FOR SI: 1 INCH= 25.4 MM.
a. WHERE APPLICABLE, SEE ALSO SECTION 1707.1, SPECIAL INSPECTION FOR SEISMIC RESISTANCE

TABLE 1704.4: REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD a.	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	---	---	AWS D1.4 ACI 318: 3.5.2	---
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	X	---	---	1911.5
4. VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI 318: CH. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11-5.13	1913.9
8. INSPECTION OF PRESTRESSED CONCRETE:				
A. APPLICATION OF PRESTRESSING FORCES.	X	---	ACI 318: 18.20 ACI 318: 18.18.4	---
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X	---	---	---
9. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: CH. 16	---
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN post tensioned CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X	ACI 318: 6.2	---
11. INSPECT FRAMEWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	---	X	ACI 318: 6.1.1	---

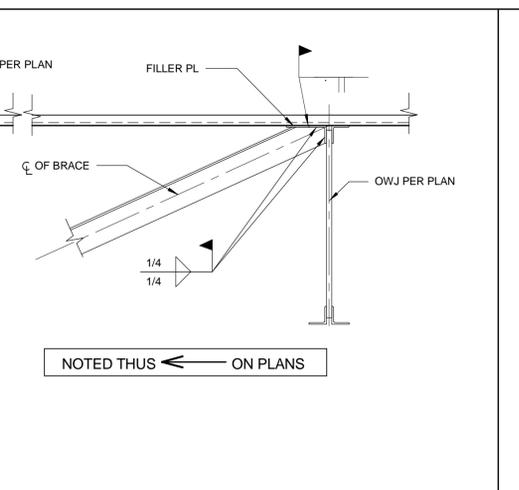
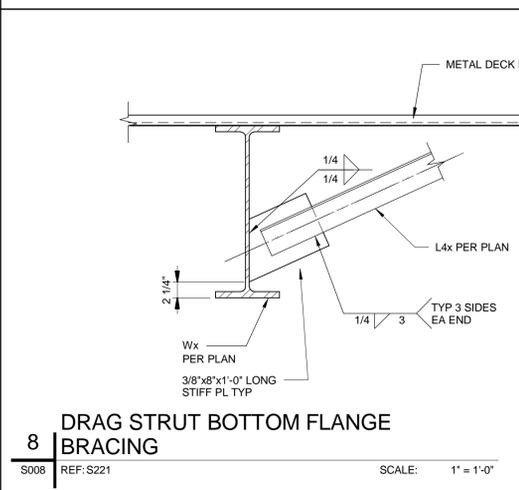
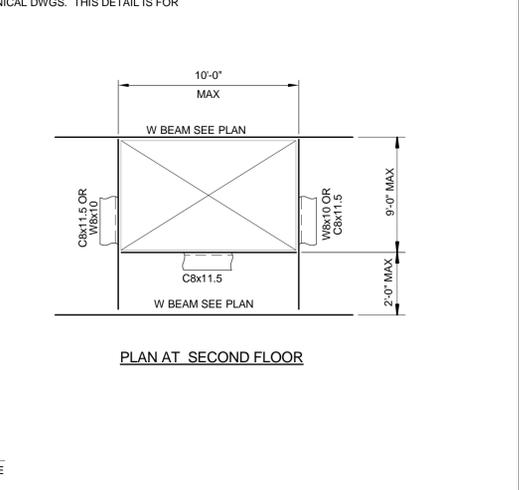
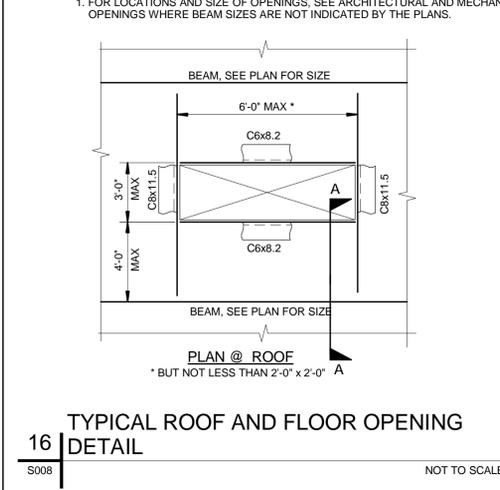
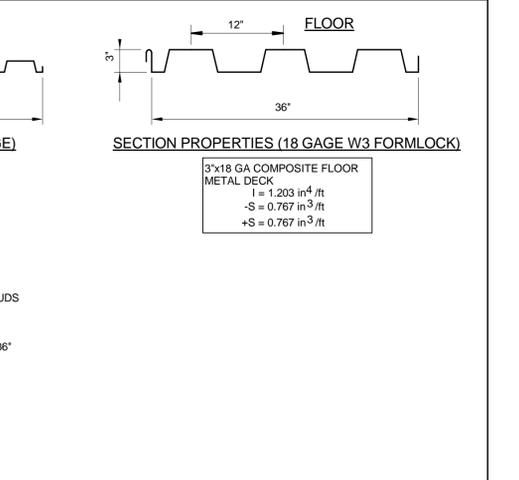
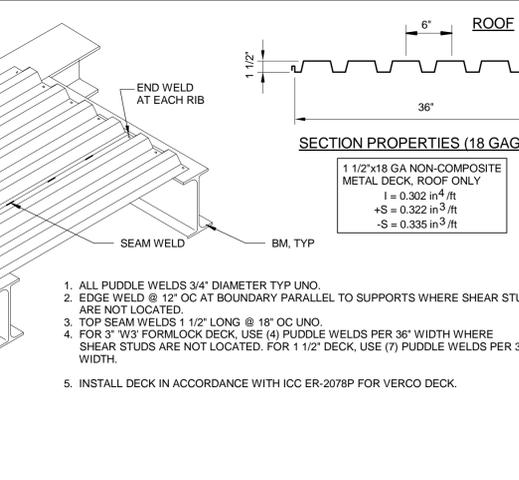
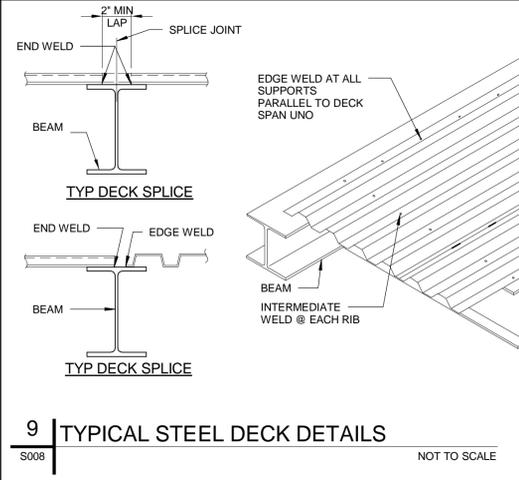
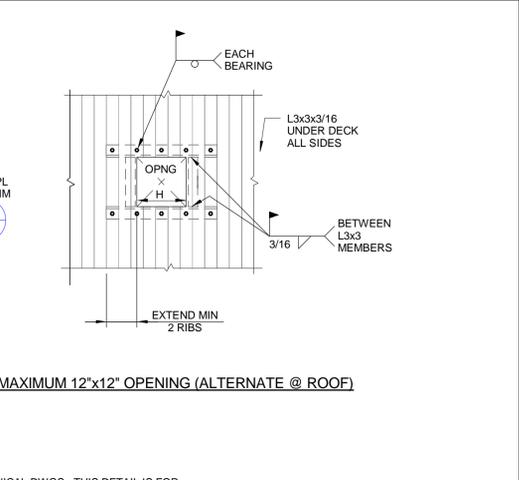
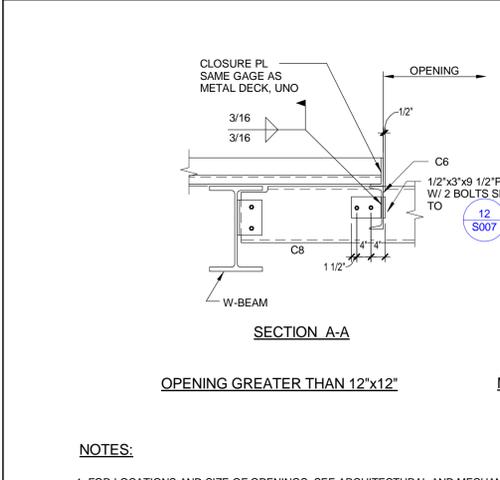
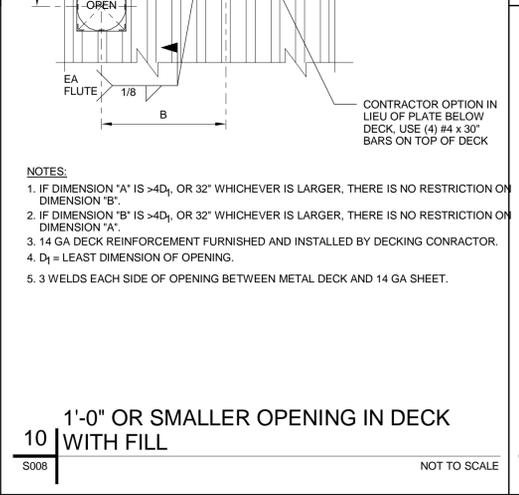
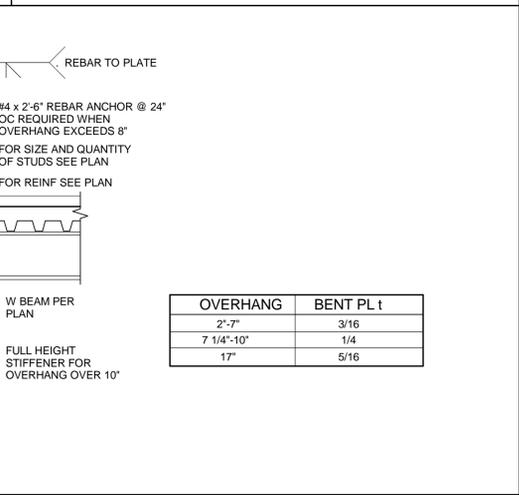
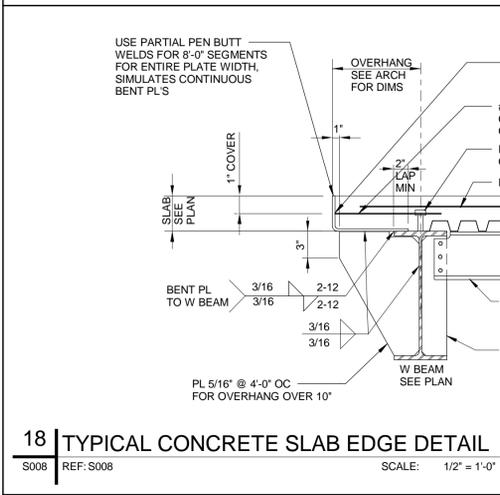
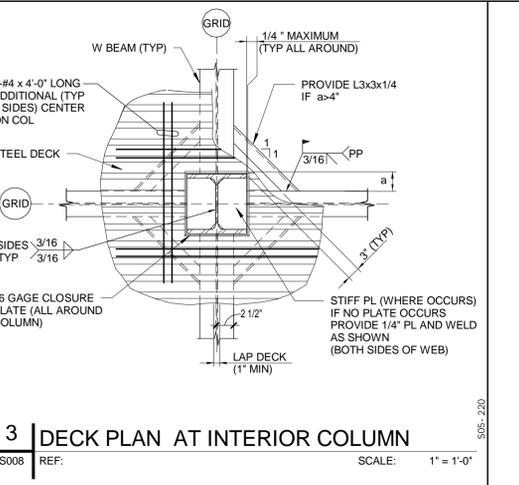
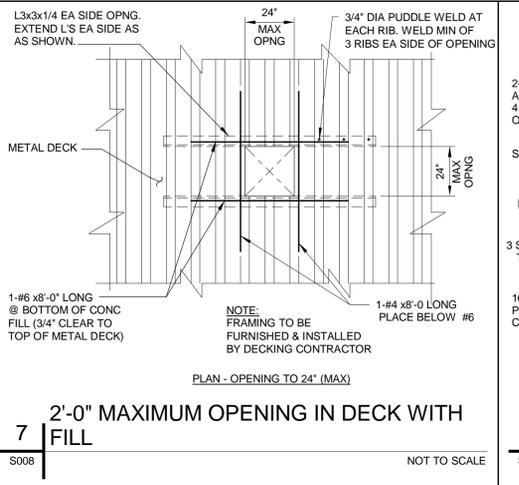
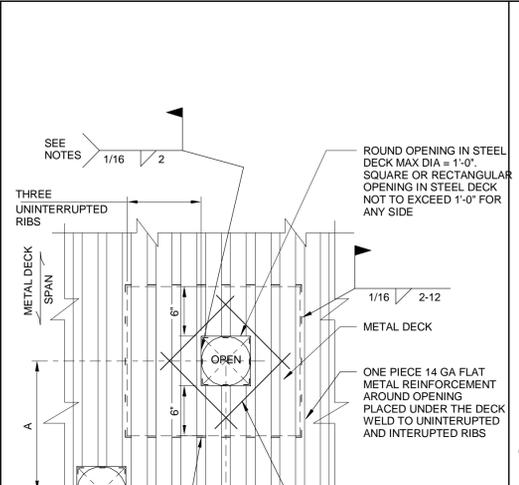
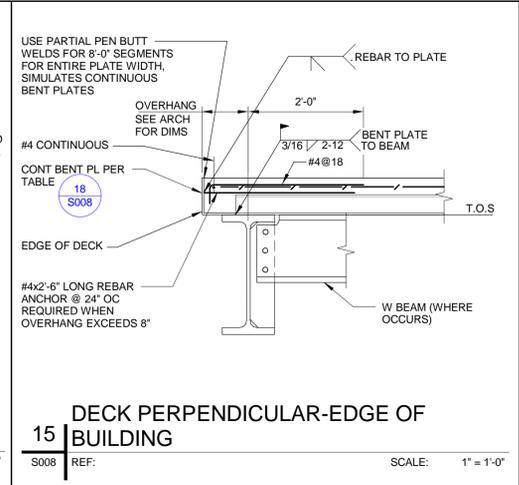
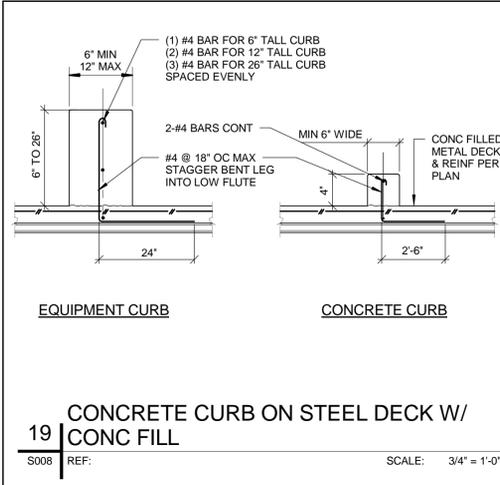
FOR SI: 1 INCH= 25.4 MM.
a. WHERE APPLICABLE, SEE ALSO SECTION 1707.1, SPECIAL INSPECTION FOR SEISMIC RESISTANCE

TABLE 1704.7: REQUIRED VERIFICATION AND INSPECTION OF SOILS (BY GEOTECHNICAL ENGINEER)

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	---
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

- (1705.3) SPECIAL SEISMIC RESISTANCE REQUIREMENTS:
 - THE SEISMIC-FORCE RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F IN ACCORDANCE WITH SECTION 1613.
 - DESIGNATED SEISMIC SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F.
 - THE FOLLOWING ADDITIONAL SYSTEMS AND COMPONENTS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C:
 - HEATING, VENTILATION, AND AIR-CONDITIONING (HVAC) DUCTWORK CONTAINING HAZARDOUS MATERIALS AND ANCHORAGE OF SUCH DUCTWORK.
 - PIPING SYSTEMS AND MECHANICAL UNITS CONTAINING FLAMMABLE, COMBUSTIBLE OR HIGHLY TOXIC MATERIALS.
 - ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER SYSTEMS.
 - THE FOLLOWING ADDITIONAL SYSTEMS AND COMPONENTS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D:
 - SYSTEMS REQUIRED FOR SEISMIC DESIGN CATEGORY C
 - EXTERIOR WALL PANELS AND THEIR ANCHORAGE.
 - SUSPENDED CEILING SYSTEMS AND THEIR ANCHORAGE.
 - ACCESS FLOORS AND THEIR ANCHORAGE.
 - STEEL STORAGE RACKS AND THEIR ANCHORAGE, WHERE THE IMPORTANCE FACTOR IS EQUAL TO 1.5 IN ACCORDANCE W/ SECTION 15.5.3 OF ASCE 7.
- (1705.4.2) SPECIAL WIND INSPECTION REQUIREMENTS:
 - ROOF CLADDING AND ROOF FRAMING CONNECTIONS
 - WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.
 - ROOF AND FLOOR DIAPHRAGM SYSTEMS, INCLUDING COLLECTORS, DRAG STRUTS AND BOUNDARY ELEMENTS.
 - VERTICAL WINDFORCE-RESISTING SYSTEMS, INCLUDING BRACED FRAMES, MOMENT FRAMES AND SHEAR WALLS.
 - WINDFORCE-RESISTING SYSTEM CONNECTIONS TO THE FOUNDATION.
 - FABRICATION AND INSTALLATION OF SYSTEMS OR COMPONENTS REQUIRED TO MEET THE IMPACT-RESISTANCE REQUIREMENTS OF SECTION 1609.1.2.

PROJECT STATUS		BID SET 04/30/09	
ISSUE			
MARK	DATE	DESCRIPTION	INITIAL
DRAWN	J NAGANO	DATE	
DESIGNED	J LIVERMORE	DATE	
CHECKED	N SHAH	DATE	
PROJECTOR	J GRANT	DATE	
REQUESTOR	R SCHULER	DATE	
R&GA		DATE	
SAFETY		DATE	
SUPERVISOR	S FRANKEL	DATE	
 Ames Research Center Mofet Field, California		N232 COLLABORATIVE SUPPORT FACILITY TESTS, INSPECTIONS AND OBSERVATIONS	
SIZE	SCALE CODE	A232-0800-	S003
D	25307		REV
SCALE	INDEX	SHEET	OF



BID SET 04/30/09

Ames Research Center
Moffet Field, California

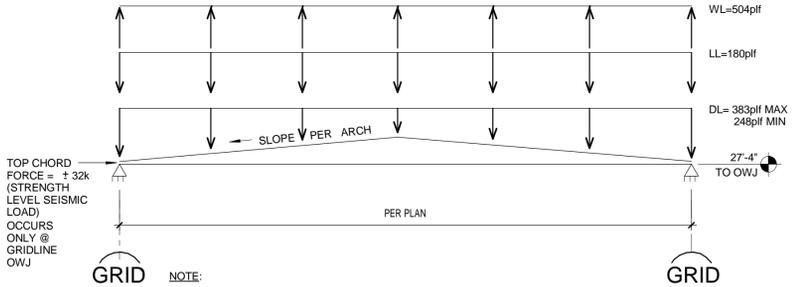
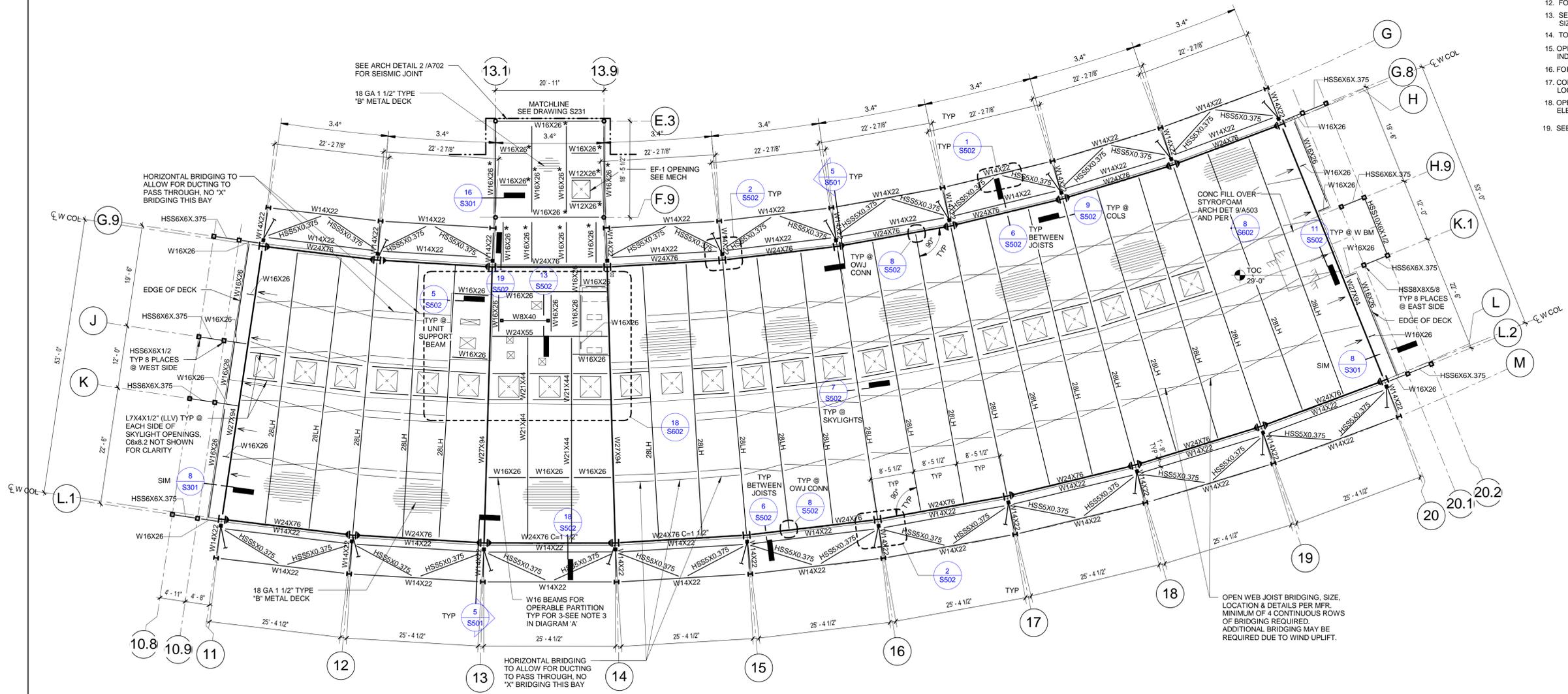
N232 COLLABORATIVE SUPPORT FACILITY

TYPICAL DETAILS

SIZE: D CAUSE CODE: 25307 A232-0800- S008 REV: 1

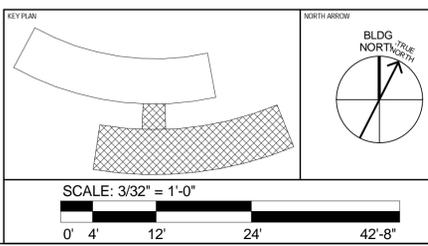
4/30/2009 2:46:27 PM

- NOTES:
- SEE SHEET S001 THRU S004 FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND INSPECTIONS.
 - SEE SHEETS S005 THRU S009 FOR TYPICAL DETAILS.
 - CENTERLINE OF W COLUMNS AT GRID LINE, TYPICAL UNO.
 - FOR METAL DECK SECTION PROPERTIES & WELDING REQUIREMENTS, SEE DETAIL **9 S006**.
 - INDICATES FULL MOMENT CONNECTION REQUIREMENTS PER SHEET S002, S004 AND S006.
 - INDICATES TOS = 27'-4"
 - C=3/4" INDICATES BEAM CAMBER.
 - W16x INDICATES FULL HEIGHT SHEAR TAB PER **12 S007**.
 - INDICATES BOTTOM FLANGE BRACE PER TYPICAL DETAIL **8 S008**, EQUALLY SPACED ALONG BEAM SPAN TYP. U.N.O.
 - INDICATES DRAG CONNECTION PER TYPICAL DETAIL **13 S007**.
 - NOT USED
 - FOR VERTICAL BRACING ELEVATIONS, SEE SHEET S-501.
 - SEE SHEET S211 & S212 FOR COLUMN SIZES WHICH EXTEND TO FOUNDATION. COLUMNS WITH SIZES NOTED ON THIS SHEET, BEGINS ABOVE THIS FLOOR BEAM TOP OF STEEL LEVEL.
 - TOP OF STEEL ELEVATION = 26'-10" U.N.O.
 - OPEN WEB STEEL JOISTS SHALL BE DESIGNED IN ACCORDANCE W/ THE MINIMUM DESIGN LOADS INDICATED IN OPEN WEB JOIST LOADING DIAGRAM, THIS SHEET.
 - FOR EDGE OF DECK DIMENSIONS, REFER TO ARCHITECTURAL DRAWINGS.
 - CONTRACTOR TO COORDINATE WITH OPEN WEB JOIST MANUFACTURER ON EXACT SIZE, WEIGHT LOCATION OF MECHANICAL/ELECTRICAL EQUIPMENT
 - OPEN WEB JOIST MANUFACTURER MAY DESIGN FOR DOUBLE-TRUSS UNDER MECHANICAL/ELECTRICAL UNITS IF NECESSARY.
 - SEE DETAIL **19 S002** FOR BEAM TOS @ GRID LINES **H & L** = 27'-4".



- NOTE:
- SEE SPECIFICATIONS FOR DEFLECTION REQUIREMENTS.
 - AT SOLAR WATER HEATER PANELS, INCLUDE UNIFORM DEAD LOAD OF 711 plf (INCLUDED CONCRETE WEIGHT)
 - CONTRACTOR TO COORDINATE WEIGHT OF OPERABLE PARTITION WALL WITH STEEL JOIST MANUFACTURER.
 - SEE ENLARGED FRAMING PLAN S602 FOR WEIGHT OF UNITS. STEEL JOISTS SHALL ALSO BE DESIGNED FOR THE CONCRETE PAD WEIGHT.
 - MANUFACTURER SHALL DETERMINE BRIDGING WHERE UNIT BEAMS CONFLICT WITH THE TYPICAL BRIDGING.

1 OPEN WEB JOIST LOADING DIAGRAM
S232 NOT TO SCALE



PROJECT STATUS		BID SET 04/30/09	
ISSUE			
MARK	DATE	DESCRIPTION	INITIAL
DRAWN	J. NAGANO	DATE	
DESIGNED	J. LIVERMORE	DATE	
CHECKED	N. SHAH	DATE	
PROJ MGR	J. GRANT	DATE	
REQUESTOR	R. SCHULER	DATE	
R&GA		DATE	
SAFETY		DATE	
SUPERVISOR	S. FRANKEL	DATE	

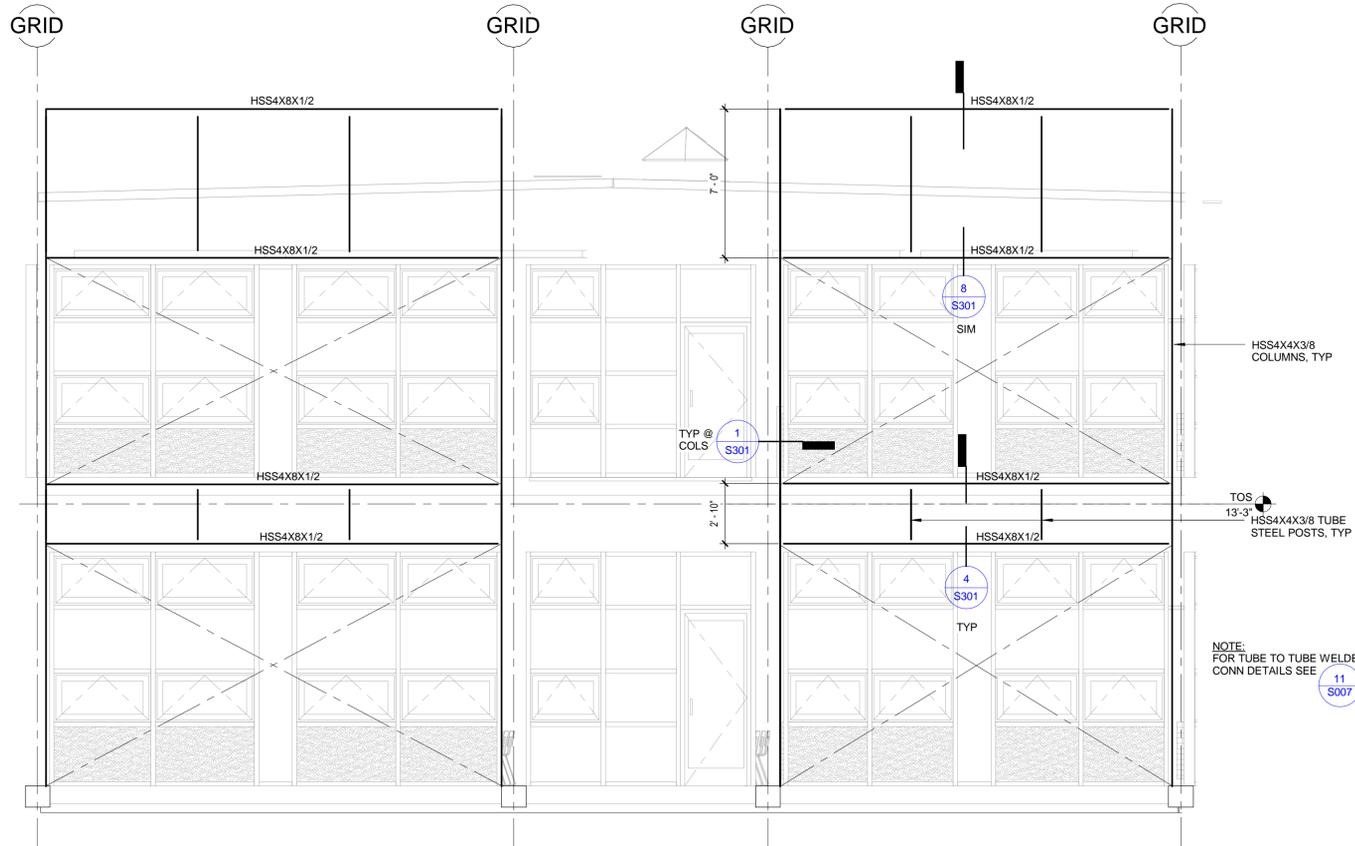
Ames Research Center
Moffet Field, California

N232 COLLABORATIVE SUPPORT FACILITY

PARTIAL ROOF FRAMING PLAN
SOUTH WING

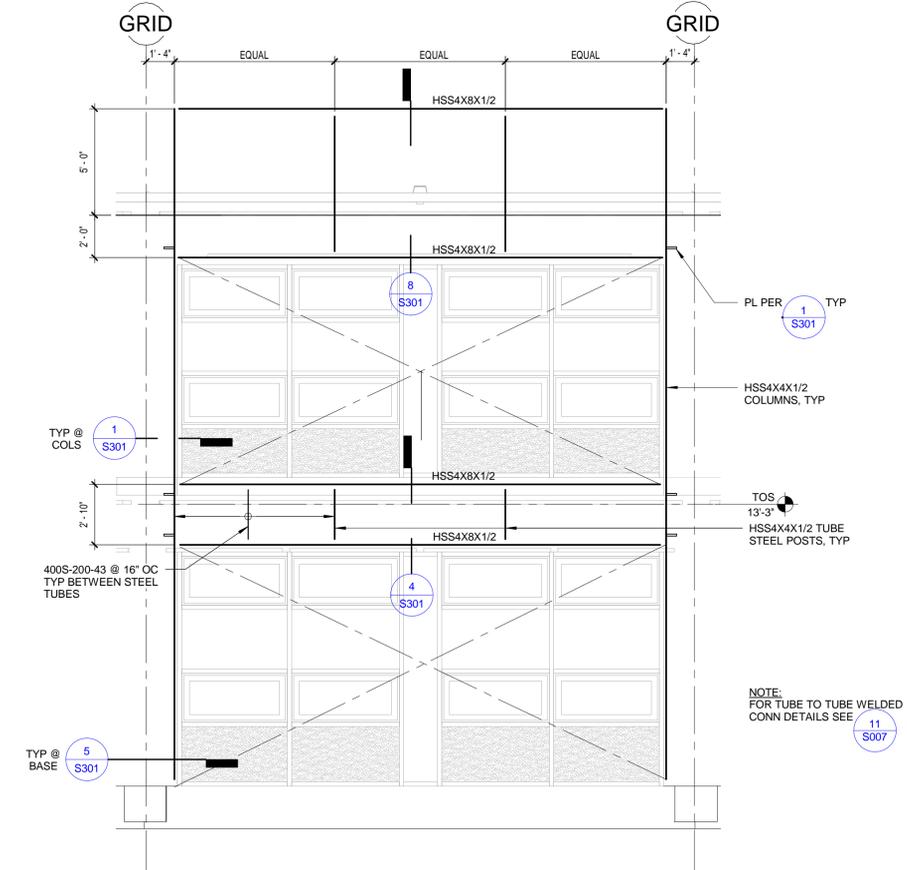
SIZE	CAUSE CODE	A232-0800-	S232	REV
D	25307			
SCALE	INDEX	SHEET	OF	

4/30/2009 2:47:00 PM



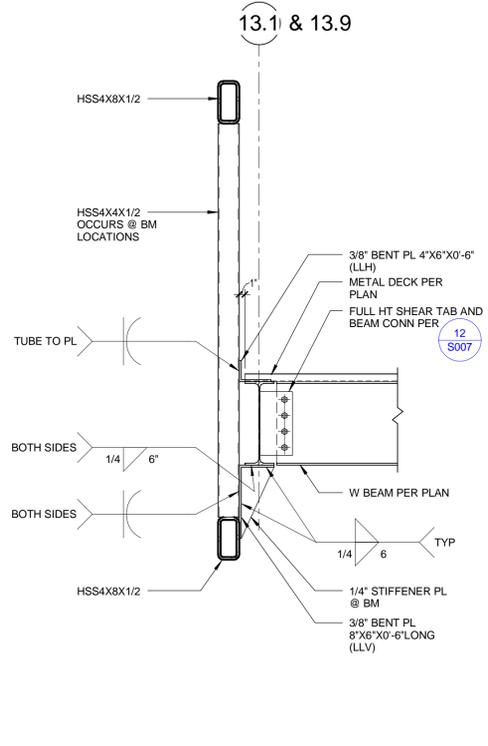
18 TYPICAL END CURTAIN WALL ELEVATION

S301 REF: S211 SCALE: 1/4" = 1'-0"



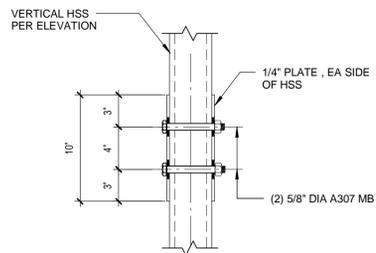
6 TYPICAL CURTAIN WALL ELEVATION

S301 REF: S211 SCALE: 1/4" = 1'-0"



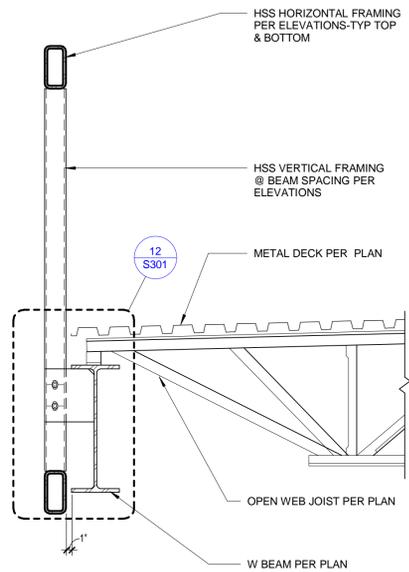
16 PARAPET SECTION AT CONNECTOR

S301 REF: S232 SCALE: 3/4" = 1'-0"



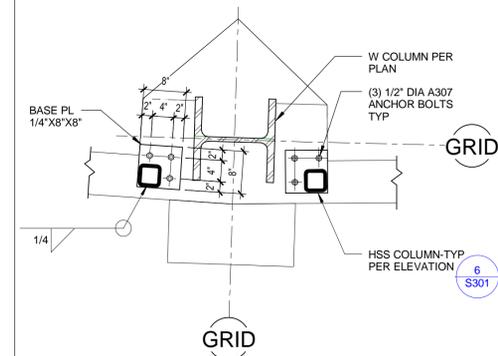
13 PLATE CONN TO VERTICAL HSS

S301 REF: S301 SCALE: 1 1/2" = 1'-0"



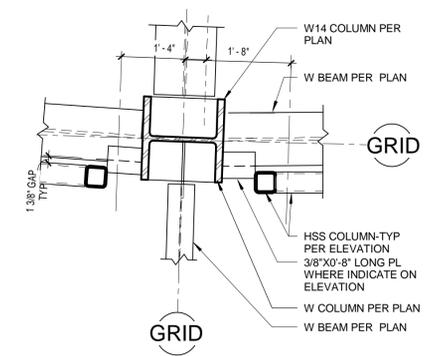
8 TYPICAL CURTAIN WALL FRAMING AT PARAPET

S301 REF: S231 SCALE: 3/4" = 1'-0"



5 TYPICAL CURTAIN WALL FRAMING AT COLUMN BASE

S301 REF: S301 SCALE: 3/4" = 1'-0"



1 TYPICAL CURTAIN WALL FRAMING AT COLUMN

S301 REF: S301 SCALE: 3/4" = 1'-0"

PROJECT STATUS			
BID SET 04/30/09			
ISSUE			
MARK	DATE	DESCRIPTION	INITIAL
DRAWN	J NAGANO	DATE	
DESIGNED	J LIVERMORE	DATE	
CHECKED	N. SHAH	DATE	
PROJECT MGR	J GRANT	DATE	
REQUESTOR	R SCHULER	DATE	
R&QA		DATE	
SAFETY		DATE	
SUPERVISOR	S FRANKEL	DATE	

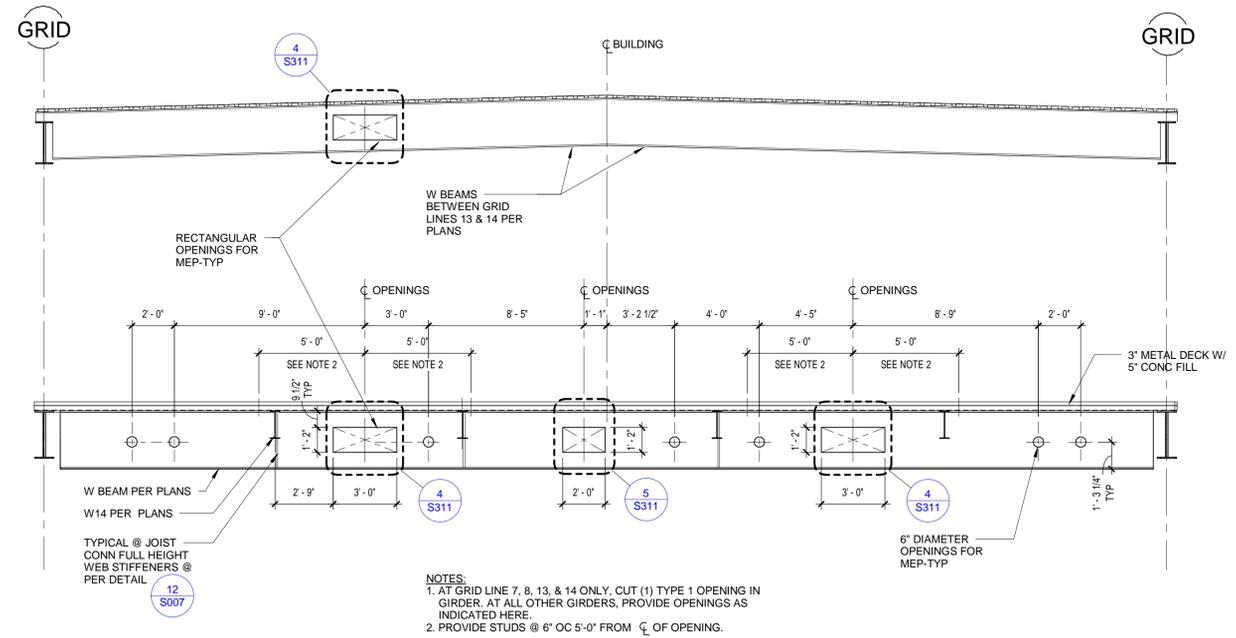
Ames Research Center
Moffet Field, California

N232 COLLABORATIVE SUPPORT FACILITY

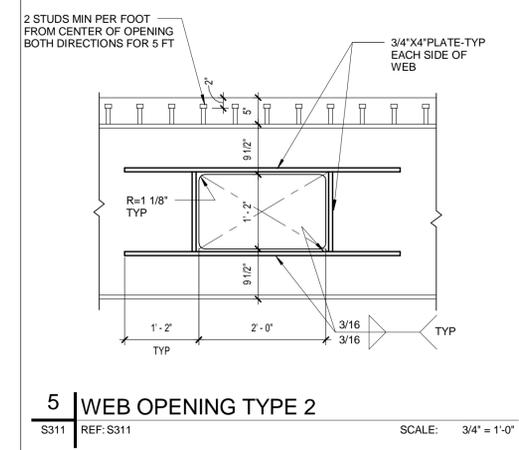
TYPICAL CURTAIN WALL ELEVATIONS AND DETAILS

SIZE	D	CASE CODE	25307	A232-0800-	S301	REV	
SCALE		INDEX		SHEET	OF		

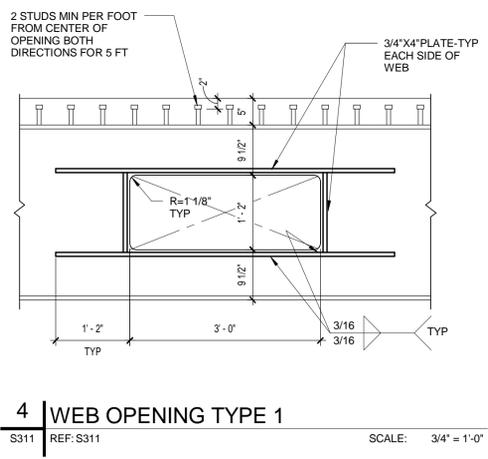
4/30/2009 2:47:33 PM



6 TYPICAL GIRDER OPENINGS
 S311 REF: S221 SCALE: 1/4" = 1'-0"



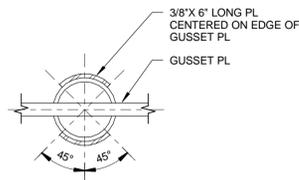
5 WEB OPENING TYPE 2
 S311 REF: S311 SCALE: 3/4" = 1'-0"



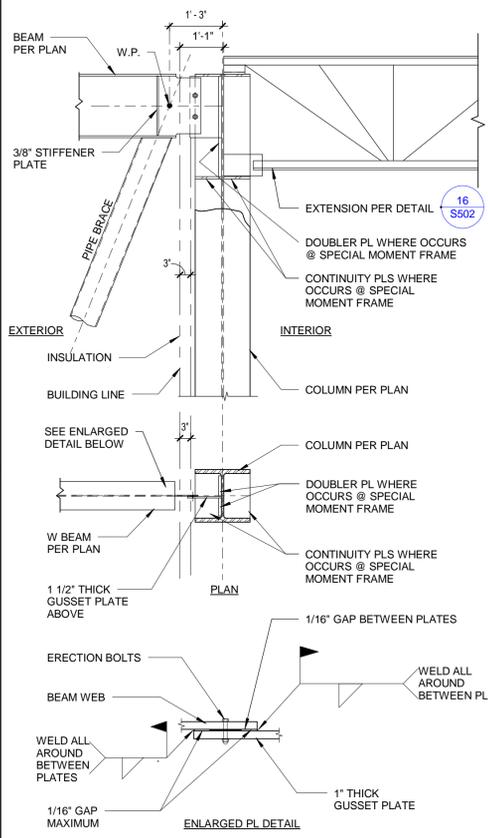
4 WEB OPENING TYPE 1
 S311 REF: S311 SCALE: 3/4" = 1'-0"

PROJECT STATUS			
BID SET 04/30/09			
ISSUE			
MARK	DATE	DESCRIPTION	INITIAL
DRAWN	J NAGANO	DATE	
DESIGNED	J LIVERMORE	DATE	
CHECKED	N SHAH	DATE	
PROJECT MGR	J GRANT	DATE	
REQUESTOR	R SCHULER	DATE	
R&GA		DATE	
SAFETY		DATE	
SUPERVISOR	S FRANKEL	DATE	
 Ames Research Center Moffet Field, California		N232 COLLABORATIVE SUPPORT FACILITY BUILDING SECTION AND DETAILS	
SIZE	CAUSE CODE	INDEX	REV
D	25307	A232-0800-	S311
SCALE	INDEX	SHEET	OF

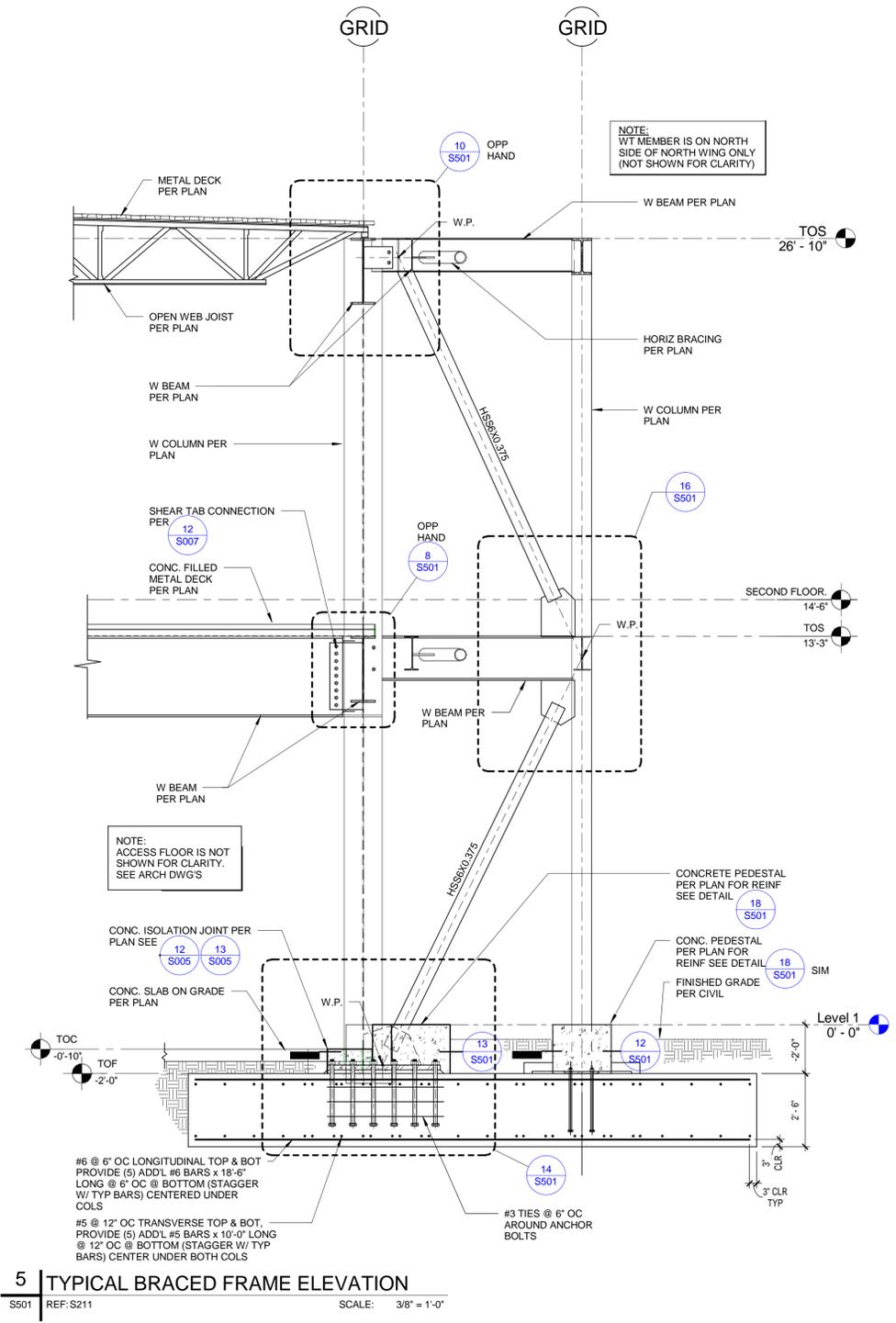
4/30/2009 2:47:35 PM



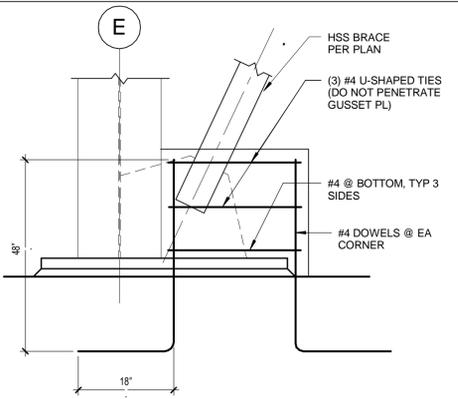
15 | BRACE REINFORCING @ GUSSET PL
S501 REF: S501 SCALE: 1 1/2" = 1'-0"



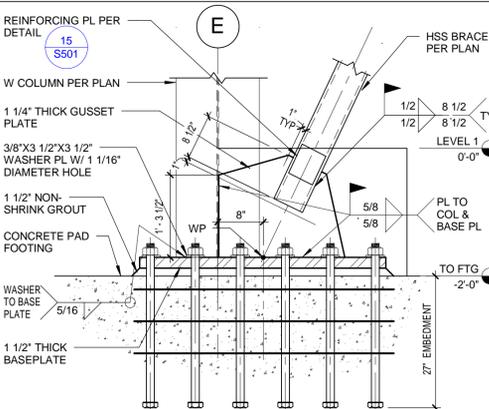
10 | BRACE CONNECTION AT ROOF
S501 REF: S501 SCALE: 1/2" = 1'-0"



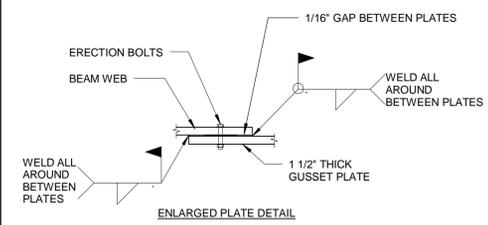
5 | TYPICAL BRACED FRAME ELEVATION
S501 REF: S211 SCALE: 3/8" = 1'-0"



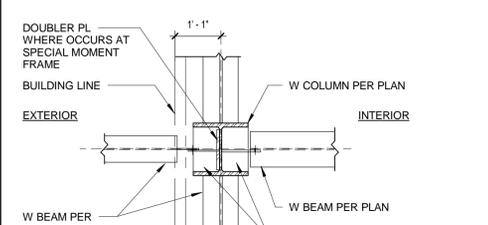
18 | PILASTER REINF AROUND AB
S501 REF: S501 SCALE: 3/4" = 1'-0"



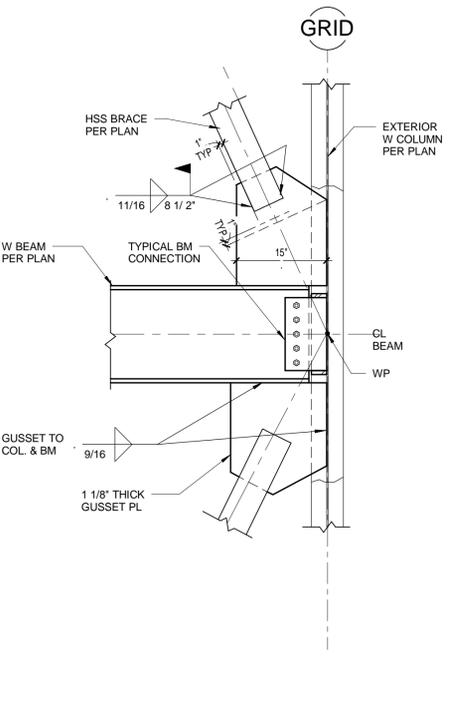
14 | TYPICAL BRACE CONN AT FOUNDATION
S501 REF: S501 SCALE: 3/4" = 1'-0"



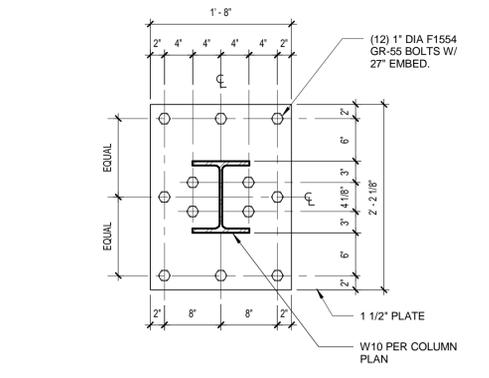
13 | COLUMN BASEPLATE
S501 REF: S501 SCALE: 1" = 1'-0"



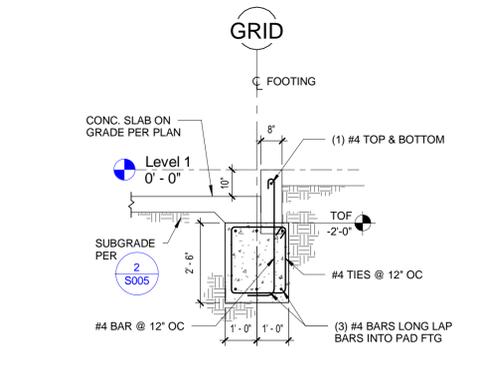
8 | BEAM TO BEAM CONN. AT 2nd FLOOR
S501 REF: S501 SCALE: 1/2" = 1'-0"



16 | BRACE CONNECTION AT 2ND FLOOR
S501 REF: S501 SCALE: 3/4" = 1'-0"



12 | EXTERIOR COLUMN BASEPLATE
S501 REF: S501 SCALE: 1" = 1'-0"

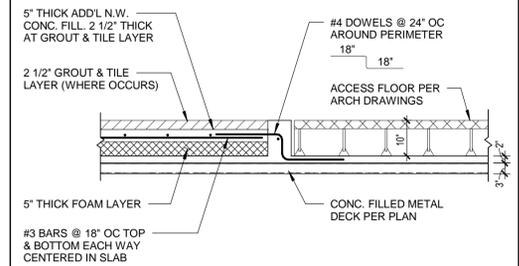


4 | CURB FOUNDATION DETAIL
S501 REF: S211 SCALE: 3/8" = 1'-0"

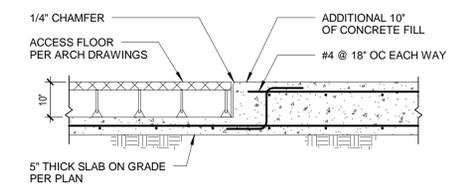
PROJECT STATUS			
BID SET 04/30/09			
ISSUE			
MARK	DATE	DESCRIPTION	INITIAL
DRAWN	J NAGANO	DATE	
DESIGNED	J LIVERMORE	DATE	
CHECKED	N SHAH	DATE	
PROJECTOR	J GRANT	DATE	
REQUESTOR	R SCHULER	DATE	
R&GA		DATE	
SAFETY		DATE	
SUPERVISOR	S FRANKEL	DATE	
SIZE	D	CAUSE CODE	25307
SCALE		INDEX	A232-0800-
		SHEET	S501
		OF	


Ames Research Center
 Moffet Field, California
 N232 COLLABORATIVE SUPPORT FACILITY
SECTIONS AND DETAILS

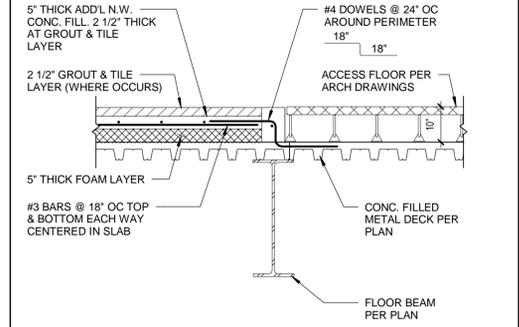
4/30/2009 2:47:40 PM



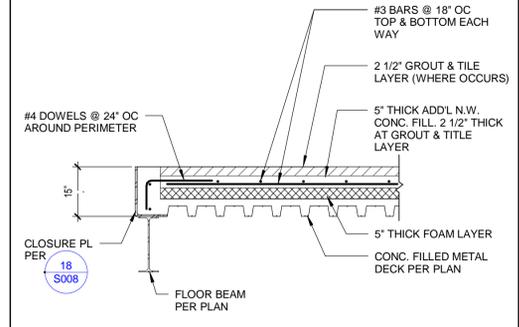
3 SECT. AT RAISED SLAB ACCESS FLOOR
 S503 REF: S221 SCALE: 1/2" = 1'-0"



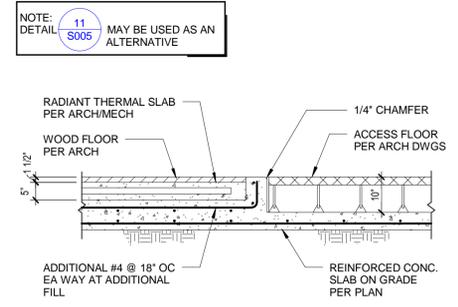
6 ACCESS FLOOR
 S503 REF: S211 SCALE: 1/2" = 1'-0"



2 SECT. AT RAISED SLAB ACCESS FLOOR
 S503 REF: S221 SCALE: 1/2" = 1'-0"



1 SECTION AT RAISED SLAB
 S503 REF: S221 SCALE: 1/2" = 1'-0"



4 SLAB ON GRADE AT ACCESS FLOOR TRANSITION
 S503 REF: S211 SCALE: 1/2" = 1'-0"

NOTE: DETAIL 11 S505 MAY BE USED AS AN ALTERNATIVE

PROJECT STATUS

BID SET 04/30/09

MARK	DATE	DESCRIPTION	INITIAL

DRAWN	Author	DATE
DESIGNED	Designer	DATE
CHECKED	Checker	DATE
PROJECTOR	J GRANT	DATE
REQUESTOR	R SCHULER	DATE
R&GA	DATE	
SAFETY	DATE	
SUPERVISOR	S FRANKEL	DATE



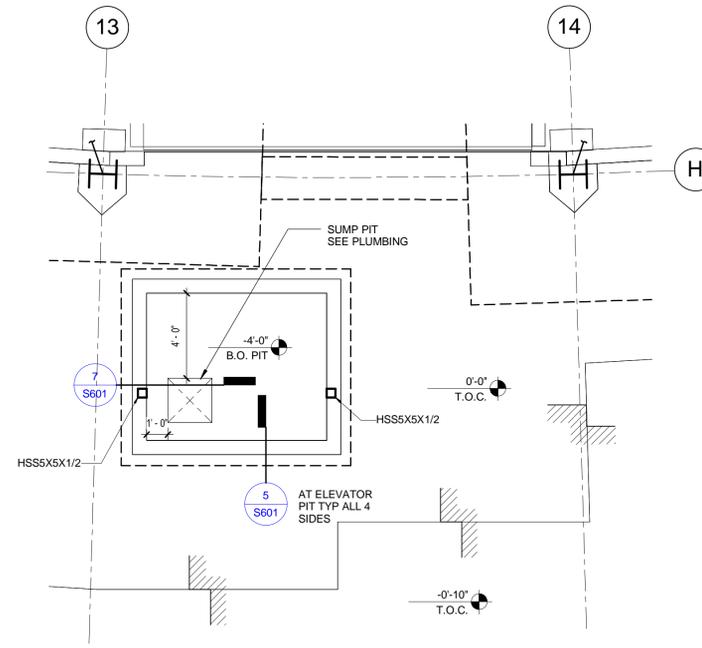
Ames Research Center
Moffet Field, California

N232 COLLABORATIVE SUPPORT FACILITY

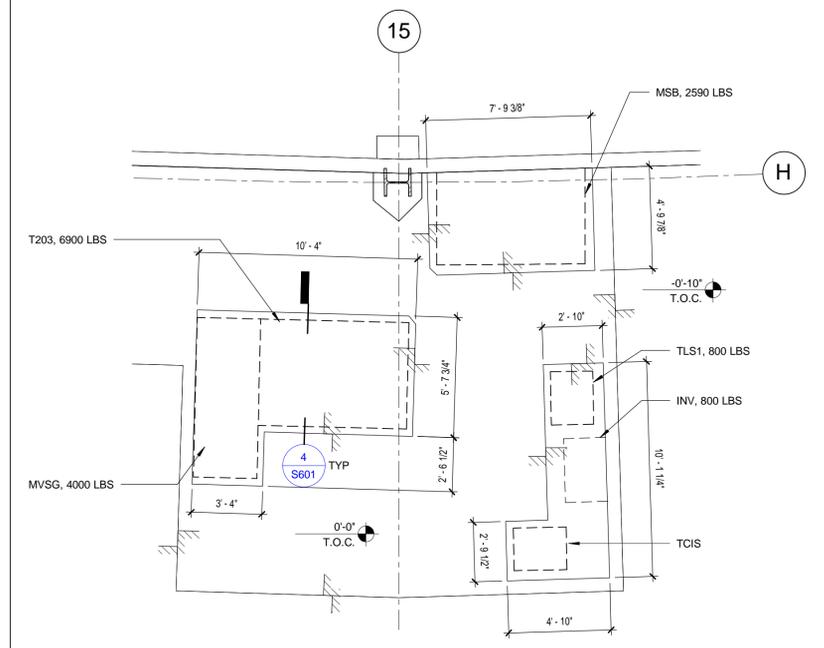
DETAILS

SIZE	CAUSE CODE	PROJECT CODE	SHEET	REV
D	25307	A232-0800-	S503	
SCALE	INDEX	SHEET	OF	

4/30/2009 2:47:47 PM

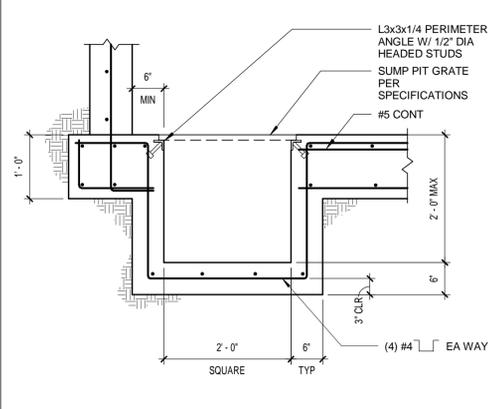


8 | ELEVATOR PIT
S601 REF: S212 SCALE: 1/4" = 1'-0"

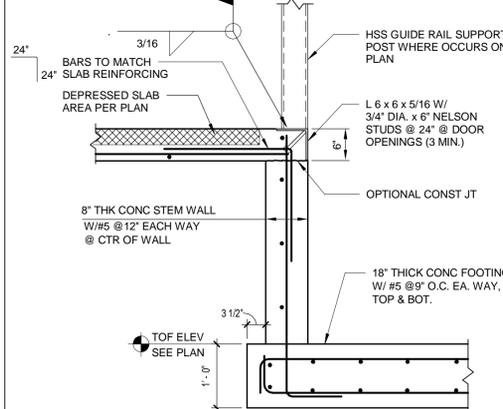


NOTES:
1. SEE MECHANICAL & ELECTRICAL EQUIPMENT SPECIFICATION FOR ALL ANCHORAGE INFORMATION & PERFORMING REQUIREMENTS.
2. CONCRETE PAD DIMENSIONS ARE TO BE VERIFIED & COORDINATED BY THE CONTRACTOR EACH UNIT. CONTRACTOR MUST CONFIRM EDGE OF PAD PROVIDES 6" EDGE DISTANCE FOR UNIT ANCHORAGE.

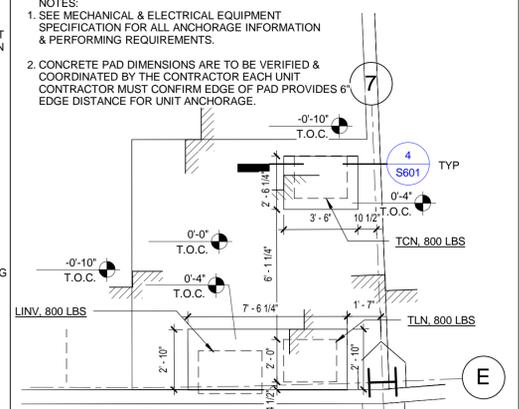
2 | ELECTRICAL EQUIPMENT PADS-SOUTH WING
S601 REF: S212 SCALE: 1/4" = 1'-0"



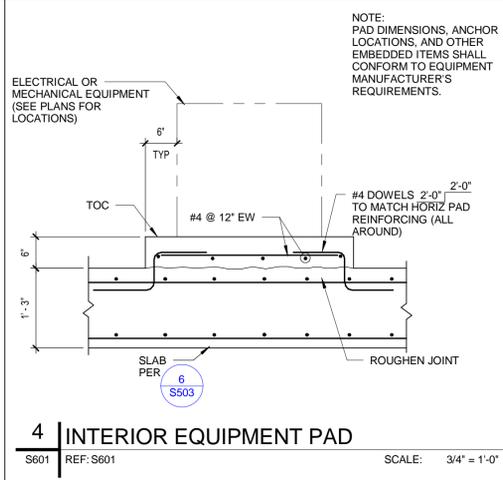
7 | TYPICAL SECTION AT SUMP PIT
S601 REF: S601 SCALE: 3/4" = 1'-0"



5 | TYPICAL SECTION AT PIT
S601 REF: S601 SCALE: 3/4" = 1'-0"



1 | ELEC. EQUIP. PADS-NORTH WING
S601 REF: S211 SCALE: 1/4" = 1'-0"



4 | INTERIOR EQUIPMENT PAD
S601 REF: S601 SCALE: 3/4" = 1'-0"

PROJECT STATUS			
BID SET 04/30/09			
ISSUE			
MARK	DATE	DESCRIPTION	INITIAL
DRAWN	J. NAGANO	DATE	
DESIGNED	J. LIVERMORE	DATE	
CHECKED	N. SHAH	DATE	
PROJECTOR	J. GRANT	DATE	
REQUESTOR	R. SCHULER	DATE	
R&GA		DATE	
SAFETY		DATE	
SUPERVISOR	S. FRANKEL	DATE	
 Ames Research Center Moffet Field, California		N232 COLLABORATIVE SUPPORT FACILITY ENLARGED PLANS AND DETAILS	
SIZE	CAUSE CODE	A232-0800-	S601
SCALE	INDEX	SHEET	OF

4/30/2009 2:47:50 PM

