

GENERAL NOTES (cont.)

TABLE 1
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

APPLICABLE TO PROJECT	VERIFICATION AND INSPECTION	PERFORM	OBSERVE
X	1. MATERIAL TEST REPORTS AND CERTIFICATIONS AS LISTED IN AISC 360 FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.	X	--
	2. INSPECTION PRIOR TO WELDING:		
X	a. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE.	X	--
X	b. MANUFACTURERS CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.	X	--
X	c. MATERIAL IDENTIFICATION (TYPE/GRADE)	--	X
X	d. WELDER IDENTIFICATION SYSTEM.	--	X
X	e. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) - JOINT PREPARATION - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION) - BACKING TYPE AND FIT (IF APPLICABLE)	--	X
X	f. CONFIGURATION AND FINISH OF ACCESS HOLES.	--	X
X	g. FIT-UP OF FILLET WELDS - DIMENSIONS (ALIGNMENT, GAPS AT ROOT) - CLEANLINESS (CONDITION OF STEEL SURFACES) - TACKING (TACK WELD QUALITY AND LOCATION)	--	X
X	h. CHECK WELDING EQUIPMENT.	--	X
	3. INSPECTIONS DURING WELDING		
X	a. USE OF QUALIFIED WELDERS	--	X
X	b. CONTROL AND HANDLING OF WELDING CONSUMABLES - PACKAGING - EXPOSURE CONTROL	--	X
X	c. NO WELDING OVER CRACKED TACK WELDS	--	X
X	d. ENVIRONMENTAL CONDITIONS - WIND SPEED WITHIN LIMITS - PRECIPITATION AND TEMPERATURE	--	
X	e. WPS FOLLOWED - SETTINGS ON WELDING EQUIPMENT - TRAVEL SPEED - SELECTED WELDING MATERIALS - SHIELDING GAS TYPE/FLOW RATE - PREHEAT APPLIED - INTERPASS TEMPERATURE MAINTAINED (MIN/MAX.) - PROPER POSITION (F, V, H, OH)	--	X
X	f. WELDING TECHNIQUES - INTERPASS AND FINAL CLEANING - EACH PASS WITHIN PROFILE LIMITATIONS - EACH PASS MEETS QUALITY REQUIREMENTS	--	X
	4. INSPECTIONS AFTER WELDING		
X	a. WELDS CLEANED	--	X
X	b. SIZE, LENGTH AND LOCATION OF WELDS	X	--
X	c. WELDS MEET VISUAL ACCEPTANCE CRITERIA - CRACK PROHIBITION - WELD/BASE-METAL FUSION - CRATER CROSS SECTION - WELD PROFILES - WELD SIZE - UNDERCUT - POROSITY	X	--
X	d. ARC STRIKES	X	--
X	e. K-AREA	X	--
X	f. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	--
X	g. REPAIR ACTIVITIES	X	--
X	h. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	--
X	5. WHEN REQUIRED BY AISC 360 APPENDIX 3, SECTION N WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED BY SPECIAL INSPECTOR AS PRESCRIBED IN AISC 360.	X	--

NOTES:

• 'OBSERVE' SHALL MEAN TO INSPECT THESE ITEMS ON AN INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS. IN THE EVENT THAT OBSERVATIONS DETERMINE THAT THE MATERIALS AND/OR WORKMANSHIP ARE NOT IN CONFORMANCE WITH THE APPLICABLE DOCUMENTS, ADDITIONAL INSPECTIONS SHALL BE PERFORMED TO DETERMINE THE EXTENT OF NON-COMFORMANCE.

• 'PERFORM' SHALL MEAN TO PERFORM THESE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.

TABLE 4
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

APPLICABLE TO PROJECT	VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	REFERENCED STANDARD (a)	APPLICABLE CODE REFERENCE
X	1. INSPECT REINFORCEMENT	--	X	ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4
	2. REINCHORDING BAR WELLS:				
	a. VERIFY WELD QUALITY OF REINCHORDING BARS OTHER THAN ASTM A306	--	X		
	b. INSPECT SINGLE-PASS FILLET WELDS MAXIMUM R40	--	X	AWG 01-4 ACI 318: 26.5.4	--
	c. INSPECT ALL OTHER WELDS	--	--		
X	3. INSPECT ANCHORS CAST IN CONCRETE.	--	X	ACI 318: 17.8.2	--
	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:				
X	a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	--	ACI 318: 17.8.2.4 ACI 318: 17.8.2	--
X	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a.	--	X		
X	5. VERIFY USE OF REQUIRED DESIGN MIX.	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	904.1, 904.2, 1908.2, 1908.3
	6. PRIOR TO CONCRETE PLACEMENT, 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: 26.4.5, 26.4.6	
X	7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	--	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8
X	8. INSPECT FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	--	X	ACI 318: 26.4.7-26.4.9	1908.9
	9. INSPECTIONS OF PREPARED WORK BEFORE:				
	a. APPLICATION OF PROTECTIVE FORMWORK.	X	--	ACI 318: 26.4.10	--
	b. CONSTRUCTION OF BONDED PRESTRESSING TENDONS.	X	--	ACI 318: 26.4.11	--
	c. PREPARATION OF PRECAST CONCRETE MEMBERS.	--	X	ACI 318: 26.4	--
X	11. VERIFICATION OF IN-SITU CONCRETE STRENGTH.	--	X	ACI 318: 26.10.2	1906.2
X	12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.	--	X	ACI 318: 26.10.1(b)	--

(a) Where applicable, also see Section 1705.111. Special Inspection for Seismic Resistance.
(b) Specific requirements for special inspection shall be included in the research report for formwork issued by an approved source in accordance with ACI 355.2 or other qualification procedures. Where specific requirements are not provided, special inspection requirements shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of the work.

TABLE 7
REQUIRED VERIFICATION AND INSPECTION OF SOILS

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

ABBREVIATIONS

AB ANCHOR BOLTS
ADDL ADDITIONAL
AFF ABOVE FINISH FLOOR
ARCH ARCHITECTURAL
B. PL BASE PLATE
BLDG BUILDING
BLK BLOCK
BM BEAM
BOT BOTTOM
BRDG BRIDGING
BRG BEARING
BTJ BOLTED TIE JOIST
CANT'L CANTILEVER
CFMF COLD-FORMED METAL
FRAMING
CFS COLD-FORMED STEEL
C.I.P. CAST-IN-PLACE
C.J. CONTROL JOINT
CL CENTERLINE
CLR CLEAR
CMU CONCRETE MASONRY UNIT
COL COLUMN
CONC CONCRETE
CONSTR CONSTRUCTION
CONT CONTINUOUS
C.Y. CUBIC YARD
DBA DEFORMED BAR ANCHOR
DET DETAIL
DIAG DIAGONAL
Ø / DIA DIAMETER
DJ DOUBLE JOIST
DK DECK
D.L. DEAD LOAD
DWG DRAWING
DWLS DOWELS
EA EACH
E.F. EACH FACE
E.J. EXPANSION JOINT
EL ELEVATION
ELEV ELEVATOR
E.S. EACH SIDE
EQ EQUAL
EQUIP EQUIPMENT
E.W. EACH WAY

EXP EXPANSION

(E) / EXIST EXISTING
EXT EXTERIOR
F/BLDG FACE OF BUILDING
F/CONC FACE OF CONCRETE
F.D. FLOOR DRAIN
FIN FINISH
FLG FLANGE
FLR FLOOR
F.S. FAR SIDE OR FOOTING STEP
FT. FEET
FTG FOOTING
GA GAUGE
G.B. GRADE BEAM
G.C. GENERAL CONTRACTOR
GALV GALVANIZED
HDD HEADED
HORIZ HORIZONTAL
I.F. INSIDE FACE
INT INTERIOR
JB JOIST BEARING
JT JOIST
J. JOINT
KIP KIP
L.G. LONG
L.L. LIVE LOAD
(LLH) LONG LEG HORIZONTAL
(LLV) LONG LEG VERTICAL
(LSH) LONG SIDE HORIZONTAL
(LSV) LONG SIDE VERTICAL
LW LONG WAY
MAS MASONRY
MC MOMENT CONNECTION
MECH MECHANICAL
MFR MANUFACTURER
MTL METAL
(N) NEW
(N.I.C.) NOT IN CONTRACT
N.S. NEAR SIDE
NTS NOT TO SCALE
O.C. ON CENTER
O.F. OUTSIDE FACE
O/O OUT TO OUT
OPP OPPOSITE
PC PRECAST CONCRETE
PL PLATE

PLCS PLACES

P.S.F. POUNDS/SQUARE FOOT
P.S.I. POUNDS/SQUARE INCH
RAD RADIUS
R.D. ROOF DRAIN
F.D. FLOOR DRAIN
REINFORCING
REQD REQUIRED
RET RETAINING
SECT SECTION
SIM SIMILAR TO
S.O.G. SLAB ON GRADE
SP / SPA SPACES
SQ SQUARE
STIFF STIFFENER
STL STEEL
STRUCT STRUCTURAL
SW SHORT WAY
SYM SYMMETRICAL
T/T TOP OF
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE
VERT VERTICAL
V.I.F. VERIFY IN FIELD
W.P. WORK POINT
W.W.F. WELDED WIRE FABRIC
W/ WITH



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PROJECT NO.:
DRAWN BY: TBA
CHECKED BY: TBA
ISSUED DATE: 03/24/17

ISSUED REVISIONS:

Owensboro, KY 42303

Rise and Shine Prototype

IHOP
GENERAL NOTES & SPECIFICATIONS

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