

SPECIAL INSPECTIONS

SI 1 A TESTING COMPANY RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL SHALL INSPECT THE FOLLOWING IN ACCORDANCE WITH CHAPTER 17 OF THE IBC:

1. SOIL COMPACTION AT FOUNDATIONS.
2. REINFORCING BAR, CONCRETE PLACEMENT AND TAKING OF CONCRETE TEST SPECIMENS.
3. ANCHOR BOLTS.
4. FIELD WELDING OF STRUCTURAL STEEL AND ALUMINUM.
5. SHOP WELDING OF STRUCTURAL STEEL EXCEPT WHERE WELDING IS DONE IN AN APPROVED FABRICATOR'S SHOP IN ACCORDANCE WITH THE PROVISIONS OF THE GOVERNING BUILDING CODE.
6. EXPANSION ANCHOR INSTALLATION.
7. ANCHORS INSTALLED USING EPOXY ADHESIVE.
8. HIGH STRENGTH BOLTING.

SI 2 CONTRACTOR SHALL NOTIFY THE TESTING COMPANY FOR ALL INSPECTIONS.

STRUCTURAL DEFERRED SUBMITTALS

(IBC 2012, SECTION 107.3.4.1)

- SDS 1 THE CONTRACTOR SHALL SUBMIT DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN KANSAS TO THE ENGINEER FOR REVIEW. STRUCTURAL DEFERRED SUBMITTAL INCLUDE:
1. FLOOR AND ROOF ACCESS HATCHES.

TENSION DEVELOPMENT AND LAP SPLICE LENGTHS (IN INCHES) FOR UNCOATED BARS IN NORMAL-WEIGHT CONCRETE WITH $f_c' = 4,000$ PSI OR HIGHER

THIS TABLE IS GOOD ONLY FOR CENTER/CENTER SPACING OF REINFORCING BARS EQUAL TO THE MINIMUM SHOWN OR GREATER. NO TRANSVERSE REINFORCING ASSUMED.

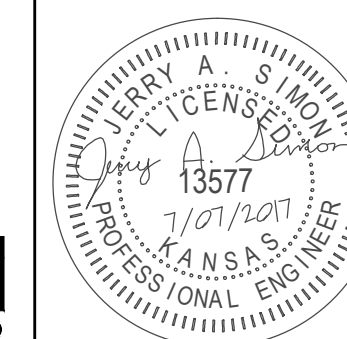
BAR SIZE	APPLICATION	CONCRETE COVER = 2.00 IN.		CONCRETE COVER = 3.00 IN.	
		TOP OTHER	MIN C/C SPACING	TOP OTHER	MIN C/C SPACING
#3	DEVELOPMENT LAP SPLICE	12 16	4.50 4.75	12 16	6.50 6.75
#4	DEVELOPMENT LAP SPLICE	12 16	4.50 5.00	12 16	6.50 7.00
#5	DEVELOPMENT LAP SPLICE	15 19	4.75 5.25	15 19	6.75 7.25
#6	DEVELOPMENT LAP SPLICE	17 22	4.75 5.50	17 22	6.75 7.50
#7	DEVELOPMENT LAP SPLICE	25 33	5.00 5.75	25 33	7.00 7.75
#8	DEVELOPMENT LAP SPLICE	29 37	5.00 6.00	29 37	7.00 8.00
#9	DEVELOPMENT LAP SPLICE	36 46	5.25 6.25	32 42	7.25 8.25
#10	DEVELOPMENT LAP SPLICE	44 57	5.25 6.50	36 47	7.25 8.50
#11	DEVELOPMENT LAP SPLICE	53 69	5.50 6.75	40 52	7.50 8.75

NOTES:

1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL-WEIGHT CONCRETE.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-11, SECTIONS 12.2 AND 12.15, RESPECTIVELY.
3. LAP SPLICE LENGTHS ARE LAP CLASS B = $1.3 l_d$ (ACI 318-11, SECTION 12.15.1).
4. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 IN. OF FRESH CONCRETE CAST BELOW THE BARS. NOTE THAT IN ADDITION TO TOP BARS IN BEAMS AND SLABS, ALL HORIZONTAL BARS IN WALLS ARE CONSIDERED TO BE TOP BARS.

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90 PERCENT CLIENT REVIEW SUBMITTAL NOT FOR CONSTRUCTION



No.	Revision	By	Date
WASTEWATER PLANT 2 INFLUENT FORCE MAIN - PHASE 2 STRUCTURAL GENERAL NOTES - 2 GARY JANZEN, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-85118			
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Designed by	J. SIMON	Job No.	35-15554-1-0042
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			Sht.SA002 of 60