

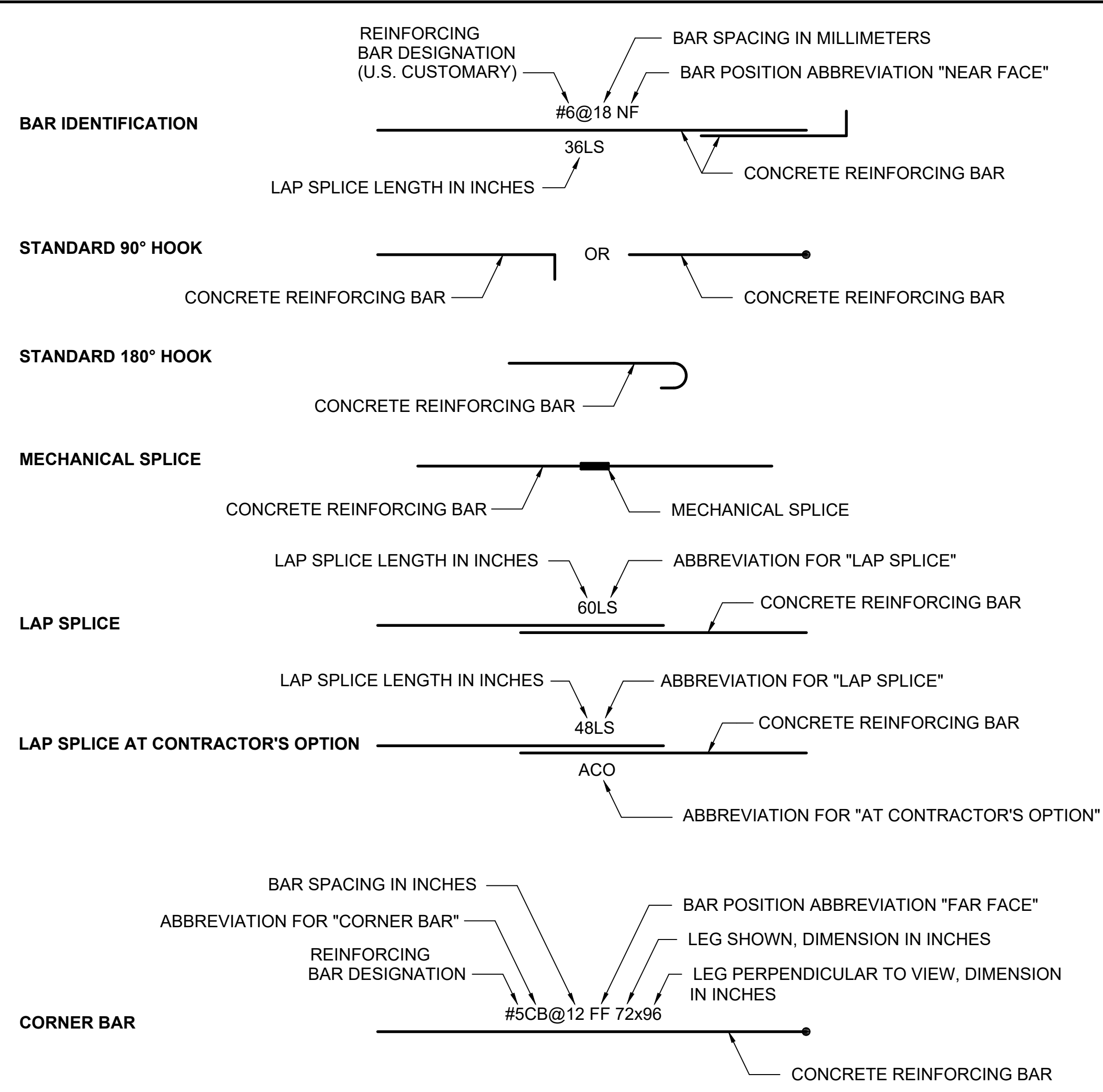
BID ALTERNATE

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ABBREVIATIONS

AA	ALUMINUM ASSOCIATION	EA	EACH	LS	LAP SPLICE	STIR	STIRRUP
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	ED	EQUIPMENT DRAIN	M	METER	STL	STEEL
AB	ANCHOR BOLT	EF	EACH FACE	MATL	MATERIAL	STR	STRAIGHT, STAIR
ABT	ABOUT	EJ	EXPANSION JOINT	MAX	MAXIMUM	STRL	STRUCTURAL
ACI	AMERICAN CONCRETE INSTITUTE	EL	ELEVATION	MECH	MECHANICAL	STRUC	STRUCTURE
ACO	AT CONTRACTOR'S OPTION	ELEC	ELECTRICAL	MEZZ	MEZZANINE	SW	SOUTHWEST
ADH	ADHESIVE	EMBED	EMBEDMENT	MFR	MANUFACTURE(R)	SYMM	SYMMETRICAL
AGGR	AGGREGATE	EP	EQUIPMENT PAD	MH	MANHOLE	T	TON, TREAD, THICKNESS, TOP
AHR	ANCHOR	ERCPC	ELLIPTICAL REINF CONC PIPE	MIN	MINIMUM	TEMP	TEMPERATURE, TEMPORARY
AHU	AIR HANDLING UNIT	EQ	EQUAL	MISC	MISCELLANEOUS	THK	THICK
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EQ SP	EQUALLY SPACED	MJ	MECHANICAL JOINT	THD	THREAD
AISI	AMERICAN IRON AND STEEL INSTITUTE	EQUIP	EQUIPMENT	MK	MARK	THRU	THROUGH
AL ALUM	ALUMINUM	EQUIV	EQUIVALENT	MM	MILLIMETER	T&B	TOP AND BOTTOM
ALTN	ALTERNATE	EW	EACH WAY	MPa	MEGAPASCAL	TOB	TOP OF BOLT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	EXP	EXPANSION	MS	MECHANICAL SPLICE	TOC	TOP OF CONCRETE
APPROX	APPROXIMATE	EXIST	EXISTING	N	NORTH	TOF	TOP OF FLOOR
ARCH	ARCHITECTURAL	EXT	EXTERIOR	NA	NOT APPLICABLE	TOG	TOP OF GRATING
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	FAB	FABRICATE	NE	NORTHEAST	TOS	TOP OF STEEL
AWS	AMERICAN WELDING SOCIETY	fc	SPECIFIED 28 DAY COMPRESSIVE STRENGTH OF CONCRETE	NF	NEAR FACE	TOW	TOP OF WALL
B, BOT	BOTTOM	FD	FLOOR DRAIN	NIC	NOT IN CONTRACT	TSF	TONS PER SQUARE FOOT
BC	BOLT CIRCLE	FDN	FOUNDATION	NO	NUMBER	TRD	TREAD
BETW	BETWEEN	FF	FAR FACE	NOM	NOMINAL	TYP	TYPICAL
BLDG	BUILDING	FL	FLOOR	NS	NEAR SIDE	UON	UNLESS OTHERWISE NOTED
BM	BEAM	FLG	FLANGE	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
BO	BOTTOM OF	fm	SPECIFIED COMPRESSIVE STRENGTH OF MASONRY	NW	NORTHWEST	VAR	VARIABLES
BOS	BOTTOM OF STEEL	FNSH	FINISH	OC	ON CENTER	VERT	VERTICAL
BRG	BEARING	FRP	FIBERGLASS REINFORCED PLASTIC	OD	OUTSIDE DIAMETER	W	WEST, WIDE
BRKT	BRACKET	FRP	FIBERGLASS REINFORCED PLASTIC	OF	OUTER FACE	WD	WIDTH
CAP	CAPACITY	fs	PERMISSIBLE STEEL STRESS	OPNG	OPENING	WP	WORK POINT
CB	CORNER BAR	FT	FEET, FOOT	OPP	OPPOSITE	WS	WATERSTOP
CC	CLEAR COVER	FUT	FUTURE	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	WT	WEIGHT, WATERTIGHT
C/C	CENTER TO CENTER	Fy, fy	YIELD STRESS	OZ	OUNCE	WW	WASTEWATER
CE	CONCRETE EDGE	GA	GAGE, GAUGE	Pa	PASCAL	WWF	WELDED WIRE FABRIC
CF	CUBIC FEET	GAL	GALLON	PCA	PORTLAND CEMENT ASSOCIATION	W/	WITH
CHKR	CHECKERED	GALV	GALVANIZED	PCF	POUNDS PER CUBIC FOOT	W/O	WITHOUT
CIR	CIRCLE	GF	GRANULAR FILL	PCI	PRESTRESSED CONCRETE INSTITUTE, POUNDS PER CUBIC INCH	YD	YARD
CIRC	CIRCULAR	GND	GROUND	PED	PEDESTAL	&	AND
CIRCUM	CIRCUMFERENTIAL	GR	GRADE	PEN	PENETRATE	±	APPROXIMATELY
CIS	CENTERED IN SLAB	GRG	GRATING	PERP	PERPENDICULAR	@	AT
CIW	CENTERED IN WALL	GS	GRATING SUPPORT	PJT	PROJECTION	x	BY
CJ	CONSTRUCTION JOINT	H	HIGH	PL	PLATE, PROPERTY LINE	°	DEGREE (PLANE ANGLE)
CL	CENTER LINE	HC	HOLLOW CORE	PLCS	PLACES	Ø	DIAMETER
CLJ	CONTROL JOINT	HEX	HEXAGON	PLF	POUNDS PER LINEAR FOOT	=	EQUAL
CLR	CLEAR	HK	HOOK	PLF	POUNDS PER LINEAR FOOT	>	GREATER THAN
CM	CENTIMETER	HR	HANDRAIL	PREFAB	PREFABRICATED	<	LESS THAN
CMU	CONCRETE MASONRY UNIT	HORIZ	HORIZONTAL	PSF	POUNDS PER SQUARE FOOT	#	NUMBER, POUND
CO	CONCRETE OPENING	HP	HORSEPOWER	PSI	POUNDS PER SQUARE INCH	%	PERCENT
COL	COLUMN	HPT	HIGH POINT	PRV	PRESSURE RELIEF VALVE		
CONC	CONCRETE	HS	HIGH STRENGTH	PT	POINT		
CONN	CONNECTION	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	PVC	POLYVINYL CHLORIDE		
CONSTR	CONSTRUCTION	IBC	INTERNATIONAL BUILDING CODE	PWS	PLASTIC WATERSTOP		
CONT	CONTINUOUS	ID	INSIDE DIAMETER	R	RISERS		
CONTR	CONTRACT	IF	INNER FACE	RAD	RADIUS		
COORD	COORDINATE	IJ	ISOLATION JOINT	RD	ROOF DRAIN		
COR	CORNER	INTR	INTERIOR	REF	REFERENCE		
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	INVT	INVERT	REINF	REINFORCEMENT		
CTR	CENTER	JT	JOINT	REQD	REQUIRED		
CWB	CAPILLARY WATER BARRIER	K	KIP (1000 POUNDS)	REV	REVISION		
CY	CUBIC YARD	KB	KNEE BRACE	RJ	ROUGHENED JOINT		
db	BAR DIAMETER	K	KIP (1000 POUNDS)	RM	ROOM		
DBL	DOUBLE	KPL	KICK PLATE	S	SOUTH		
DET	DETAIL	kg	KILOGRAM	SCHED	SCHEDULE		
DGA	DENSE GRADED AGGREGATE	kN	KILONEWTON	SD	SUBDRAIN		
DIA	DIAMETER	KSF	KIPS PER SQUARE FOOT	SE	SOUTHEAST, STEEL EDGE		
DIAG	DIAGONAL	KSI	KIPS PER SQUARE INCH	SECT	SECTION		
DIM	DIMENSION	L	ANGLE, LONG	SHT	SHEET		
DK	DECKING	LAD	LADDER	SIM	SIMILAR		
DL	DEAD LOAD	LG	LENGTH, LONG	SJ	SAWED JOINT		
DN	DOWN	LL	LIVE LOAD	SLO	SHORT LEG OUTSTANDING		
DT	DOUBLE TEE	LLH	LONG LEG HORIZONTAL	SLV	SLEEVE		
DWG	DRAWING	LLV	LONG LEG VERTICAL	SP	SPACE		
DWL	DOWEL	LLO	LONG LEG OUTSTANDING	SPECS	SPECIFICATION		
E	EAST	LNTL	LINTEL	SQ	SQUARE		
		LONG	LONGITUDINAL	SS, SST	STAINLESS STEEL		
		LPT	LOW POINT	ST	SINGLE TEE		
				STD	STANDARD		
				STIF	STIFFENER		

CONCRETE REINFORCING BAR NOMENCLATURE



MATERIALS LEGEND

	ALUMINUM		WATER
	CHECKERED PLATE		EXPANSION MATERIAL
	CONCRETE		FASTENERS
	CONCRETE MASONRY UNITS		REINFORCING BARS
	EARTH		STRUCTURAL STEEL (SMALL SCALE)
	GRANULAR FILL		
	GRATING		
	GROUT		
	ROCK		
	STEEL (LARGE SCALE)		

GENERAL NOTE:
 THIS DRAWING ONLY APPLIES TO BID ALTERNATES 1, 2, AND 3.



This document has been digitally sealed.
 09/25/17



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date	designed	detailed	checked
SEPTEMBER 27, 2017	A. GRIFFIN	B. FIFIELD	J. TSOUFLIS



SEDGWICK, KANSAS

WICHITA CHENEY PIPELINE

LEGEND AND ABBREVIATIONS

project	contract
97687	
drawing	rev.
BA-S001	0
sheet	of sheets
file 97687_S001.DWG	



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