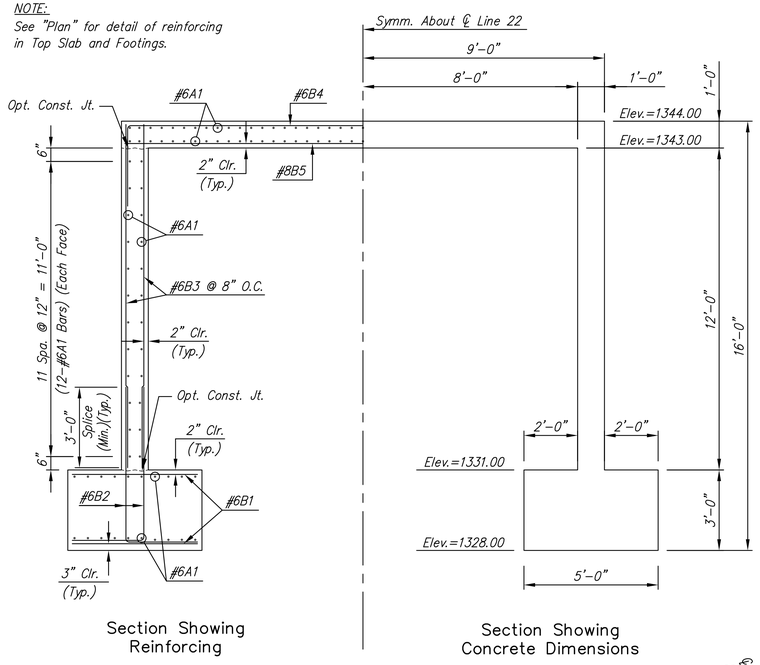
STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87 N-0351-01	2012	74	220

NOTE:
See "Plan" for detail of reinforcing in Top Slab and Footings.



Section Showing Reinforcing

Section Showing Concrete Dimensions

SECTION

Perpendicular to ℄ Line 22 (Typ.)
Scale: 3/8" = 1'-0"

GENERAL NOTES

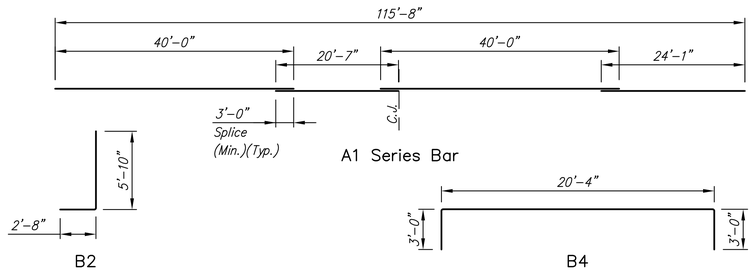
1. ALL REINFORCING STEEL DIMENSIONS ARE TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
2. CONCRETE SHALL BE GRADE 4.0 (AE) IN COMPLIANCE WITH SECTION 401 OF KDOT STANDARD SPECIFICATIONS FOR STATE ROAD AND BRIDGE DESIGN. BEVEL ALL EXPOSED EDGES OF CONCRETE WITH A ¾" TRIANGULAR MOLDING. CONSTRUCTION JOINTS ARE OPTIONAL WITH THE CONTRACTOR, BUT IF USED, PLACE ONLY AT THE LOCATIONS SHOWN, OR AT LOCATIONS APPROVED BY THE ENGINEER.
3. BRUSH BLAST, POWER WASH, AND WATER SOAK ALL PREVIOUSLY CAST CONSTRUCTION JOINT SURFACES IMMEDIATELY PRIOR TO CASTING NEW CONCRETE.

BILL OF REINFORCING STEEL

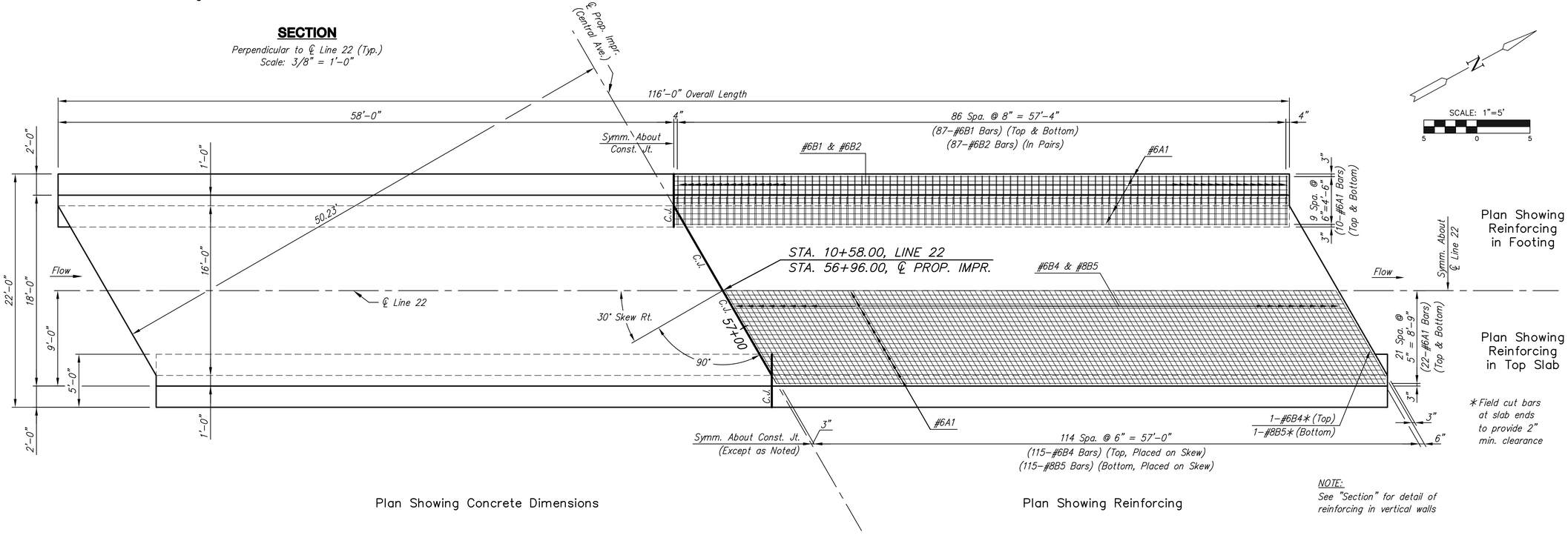
Epoxy Coated – Grade 60

Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
A1	#6	174	115'-8" F	B2	#6	696	8'-6"
B1	#6	696	4'-8"	B4	#6	232	26'-4"
B3	#6	696	12'-9"				
B5	#8	232	20'-4"				

F See "Bar Diagrams"



BAR DIAGRAMS



Plan Showing Concrete Dimensions

Plan Showing Reinforcing

Plan Showing Reinforcing in Footing

Plan Showing Reinforcing in Top Slab

*Field cut bars at slab ends to provide 2" min. clearance

NOTE:
See "Section" for detail of reinforcing in vertical walls

PLAN

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

CENTRAL AVENUE IMPROVEMENTS FROM 135TH ST. W. TO 119TH ST. W.

REINF. CONC. DRAINAGE STRUCTURE DTLS. LINE 22
SHEET TITLE

472-84017
PROJECT NUMBER

KJS
DESIGN BY
DMU
DRAWN BY
JRA
CHECKED BY

ISSUED
November 9, 2012
REVISED

SHEET NO.
74 of 220

PLOTTED: Wednesday, November 14, 2012 @ 02:38PM
J:\Civil\04238\dwg\Details\04238 DS Det E.dwg