

CP\*100 Set #4 bar NW quad.  
 N 1,665,229.3775 E 1,654,884.0056  
 W back of curb Hydraulic Ave.  
 W curb Hydraulic end, begin Ramp S. Bd. I-135.  
 Ctr. Hwy. sign

CP\*101 Set #4 bar NW quad.  
 N 1,664,586.4420 E 1,654,989.7289  
 W back of curb Hydraulic Ave. 8' ± E  
 S R/W fence I-135. 33' ± S  
 Ctr. N. Bd. off Ramp 85' ± N

DETECTOR SUMMARY							
CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
1	D4-1	Presence	60x6	4	4	-	-
1	D4-2	Pulse	6x6	4	4	S	I
1	D4-3	Pulse	6x6	4	4	S	I
1	D4-4	Presence	60x6	4	4	-	-
1	D4-5	Pulse	6x6	4	4	S	I
1	D4-6	Pulse	6x6	4	4	S	I
2	D2-1	Presence	60x10	2	2	-	-
2	D2-2	Presence	15x6	2	2	D	4
2	D2-3	Presence	30x10	2	2	D	4
3	D3-1	Presence	60x6	3	3	-	-
3	D8-1	Presence	60x6	8	8	-	-
3	D8-2	Pulse	6x6	8	8	S	I
3	D8-3	Pulse	6x6	8	8	S	I
3	D8-4	Presence	60x6	8	8	-	-
3	D8-5	Pulse	6x6	8	8	S	I
3	D8-6	Pulse	6x6	8	8	S	I

Detector Summary reflects initial operation.

FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL	-	-	-	X	-	-	-	X
PED RECALL	-	-	-	-	-	-	-	-
RED LOCK	-	-	-	-	-	-	-	-
YELLOW LOCK	-	X	X	-	-	-	-	-
PERMIT	-	X	X	X	-	-	-	X
PED PHASES	-	-	-	-	-	-	-	X
LEAD PHASES	X	-	X	-	X	-	X	-
DOUBLE ENTRY	-	X	-	X	-	-	-	X
SEQUENTIAL TIMING	-	-	-	-	-	-	-	-
START-UP YELLOW	-	X	-	-	-	-	-	-
OVERLAP A	-	-	-	-	-	-	-	-
OVERLAP B	-	-	-	-	-	-	-	-
OVERLAP C	-	-	-	-	-	-	-	-
OVERLAP D	-	-	-	-	-	-	-	-
EXCLUSIVE	-	-	-	-	-	-	-	-
SIMULTANEOUS GAP	-	-	-	-	-	-	-	-

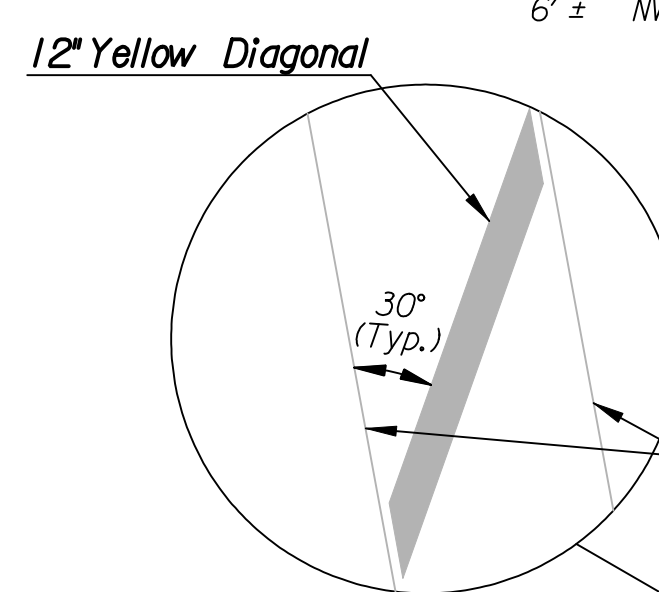
Function Table reflects initial operation.

FUNCTION	PHASE TIMING							
	1	2	3	4	5	6	7	8
MAX. I	-	30	30	60	-	-	-	60
MAX. II/HFDW	-	-	-	-	-	-	-	-
WALK	-	-	-	-	-	-	-	7
FLASH DW	-	-	-	-	-	-	-	18
MAX. INITIAL	-	8	6	8	-	-	-	8
MIN. GREEN	-	10	5	10	-	-	-	10
T B R	-	25	1	25	-	-	-	25
T T R	-	15	1	15	-	-	-	15
OBSERVE GAP	-	-	-	-	-	-	-	-
PASSAGE	-	1	1	2	-	-	-	2
MIN. GAP	-	1	1	1	-	-	-	1
ADDED ACTUATION	-	2	1	2	-	-	-	2
YELLOW	-	4	3	4	-	-	-	4
RED CLEAR	-	2	1	2	-	-	-	2
RED REVERT	-	-	-	-	-	-	-	-
WALK II	-	-	-	-	-	-	-	-

Phase Timing reflects initial operation.

**EQUIPMENT SPECIFICATIONS  
2070 CONTROLLER**

- A. Controller Unit: The 2070L controller supplied shall meet the requirements outlined in CalTrans TEES 2002 (latest revision), and the following requirements:
- The 2070L controller shall have a 19" EIA rack mountable chassis (mated to the 170 cabinet).
  - 2070-1B CPU module with RJ-45 Ethernet port.
  - 2070-2A CI field I/O module for compatibility with CalTrans style CI connector.
  - 2070-3B 8X40 front panel with LCD display.
  - 2070-4A 10 amp power supply.
  - 2070-7A asynchronous serial communications module (RS-232).
  - Any unused slot position shall have a cover plate.
- B. Conflict Monitor: The Conflict Monitor supplied shall be 2010 ECL conflict monitor.



Sta. 100+04.30 Hydraulic Ave.=  
 Sta. 50+00 I-135 N. Bd. Exit Ramp  
 N 1,664,702.7176 E 1,655,010.0469  
 SE 1/4 Sec. 9 T28S R1E

Sta. 100+10, 47.5' Lt. Install  
 Traffic Signal Pedestal  
 Top Base Elev.=1281.50  
 See Sh. No. 5

Sta. 100+07, 54' Lt. Install  
 Service Box  
 See Sh. No. 6

Sta. 100+00 Hydraulic Ave.=  
 Sta. 50+00 I-135 N. Bd. Ent. Ramp  
 N 1,664,698.4876 E 1,655,010.8265

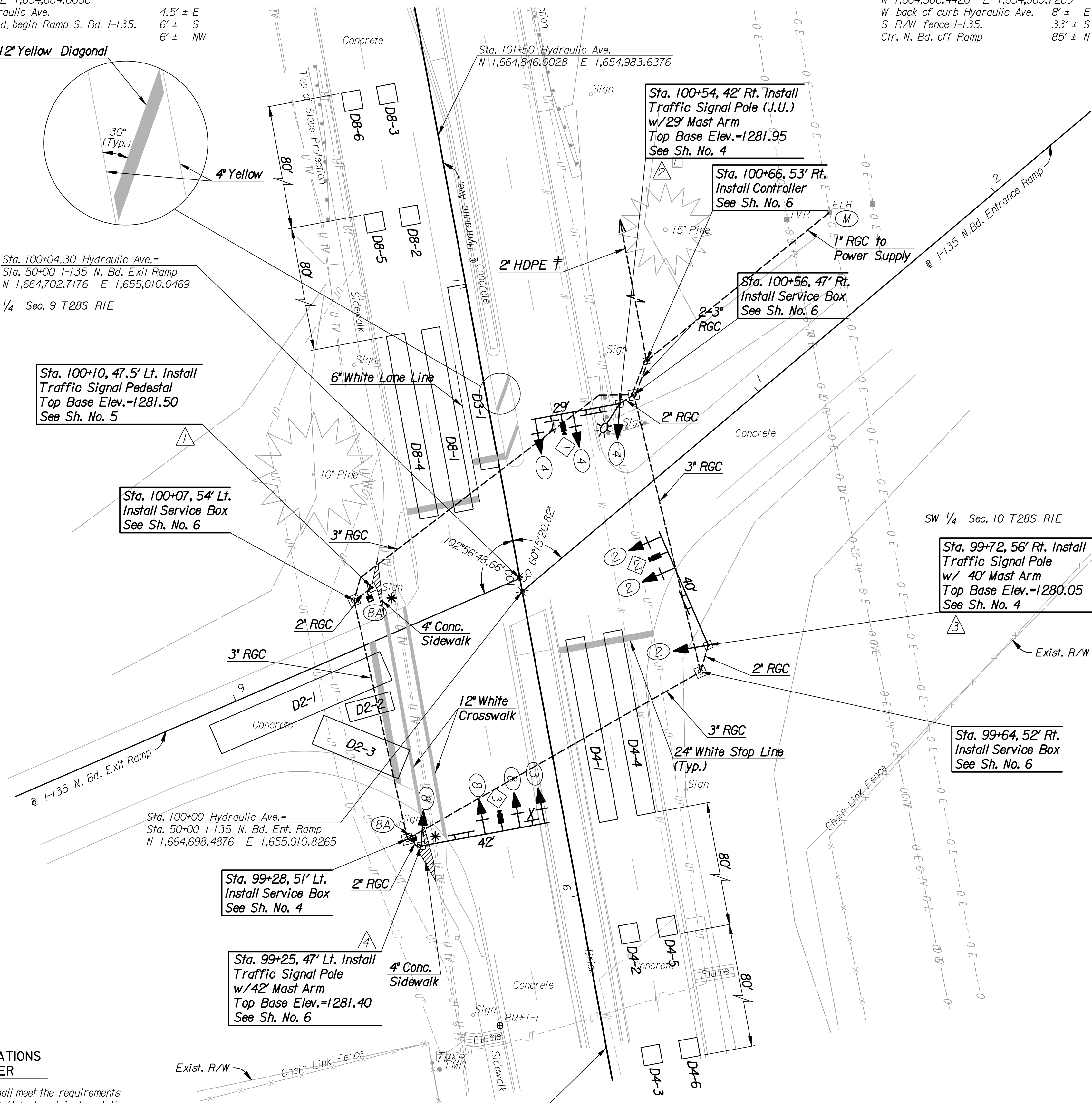
Sta. 99+28, 51' Lt. Install  
 Service Box  
 See Sh. No. 4

Sta. 99+25, 47' Lt. Install  
 Traffic Signal Pole  
 w/42' Mast Arm  
 Top Base Elev.=1281.40  
 See Sh. No. 6

Sta. 98+50 Hydraulic Ave.  
 N 1,664,550.9723 E 1,655,038.0155

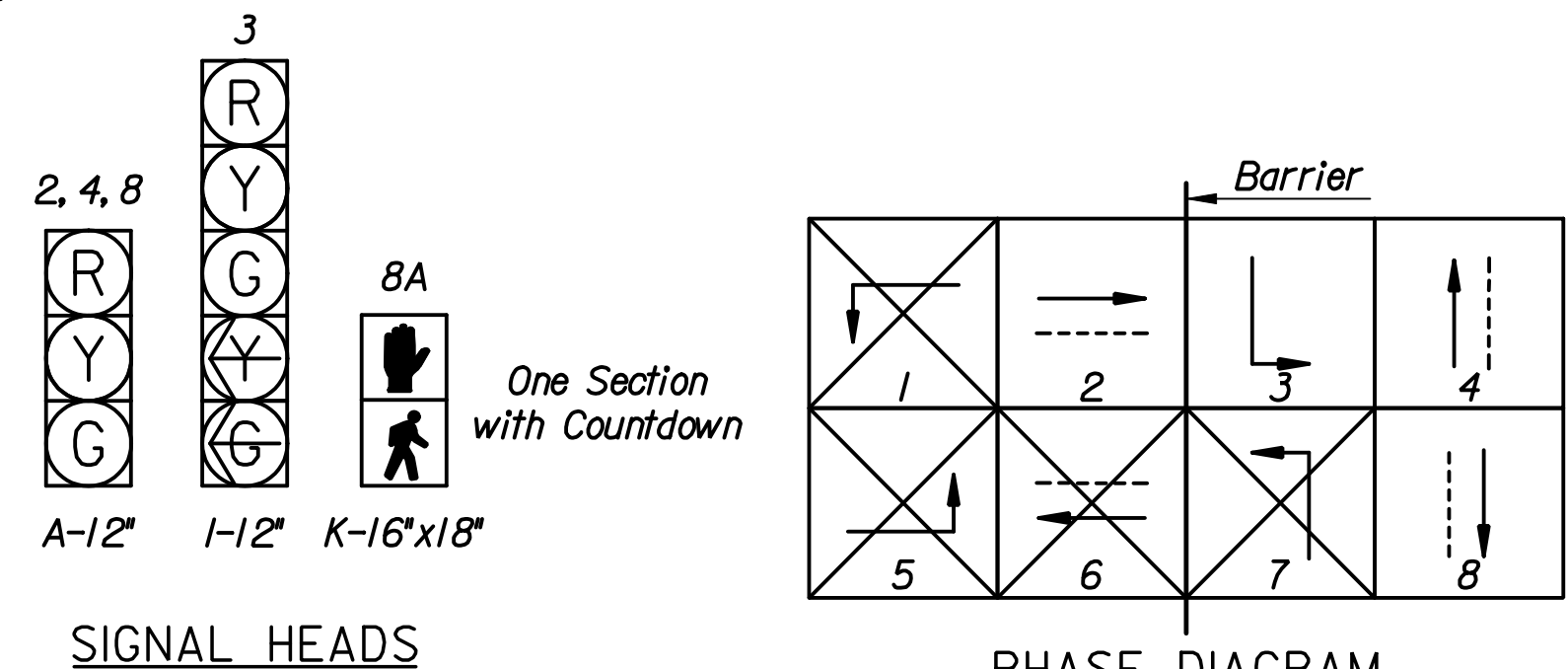
BM\*1 C.O.W. BM disc E side conc. base of  
 traffic signal light pole, W side Hydraulic Ave.,  
 between S. Bd. ramp and I-135  
 Elev. 1278.90

BM\*1-1 Set Chis. \*Top back of W curb Hydraulic Ave.,  
 115' ± S of Ctr. N. Bd. off Ramp, 2' ± N of  
 Elev. 1382.51



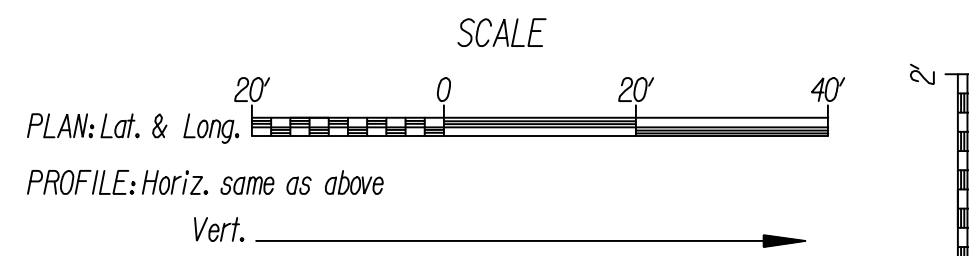
**LEGEND**

- 23' Traffic Signal Pole with Mast Arm & Length
- Traffic Signal Pedestal
- Traffic Signal Head
- Traffic Signal Head with Backplate
- Video Detection Camera
- Pedestrian Signal Head
- Controller with Pad
- Service Box (Pre-Fab)
- R10-12 Sign
- R3-2 Sign
- Rigid Galvanized Conduit (RGC)
- Signal Phase
- Signal Pole Reference Number
- Video Detection Camera Reference Number
- Street Name Sign
- Luminaire with Arm
- Meter and Enclosure
- D(Phase)- Detector Zone
- Traffic Signal Interconnect to Exist. N. I-135 Ramps & Hydraulic Avenue Signal.
- Reconstruct Wheelchair Ramp (in accordance with current ADA Accessibility Requirements) (See Sh. No. 7)
- Proposed 4" Concrete Sidewalk Extension (Shall abut to Traffic Signal Pole/Pedestal to provide access to Pushbutton)



**UTILITIES**  
 Power  
 Telephone  
 Television  
 Water

**UTILITIES**  
 Westar Energy  
 AT&T  
 Cox Communication  
 Wichita Water and Sanitary Sewer



DSNR: 02/08/08521-002/PLAN/08521-2-Hydraulic.dgn LAST REV: 9-11-2008 BY: drp

No.	Revision	By	Date
HYDRAULIC AVENUE & S. I-135 RAMPS			
<b>TRAFFIC SIGNAL PLAN</b>			
JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 472-84424-PHASE IV <b>Professional Engineering Consultants, P.A.</b> 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	DRM	Job No.	08521-002
Drawn by	DRP	Date	Dec. 2008
			Sht. 2 of 7