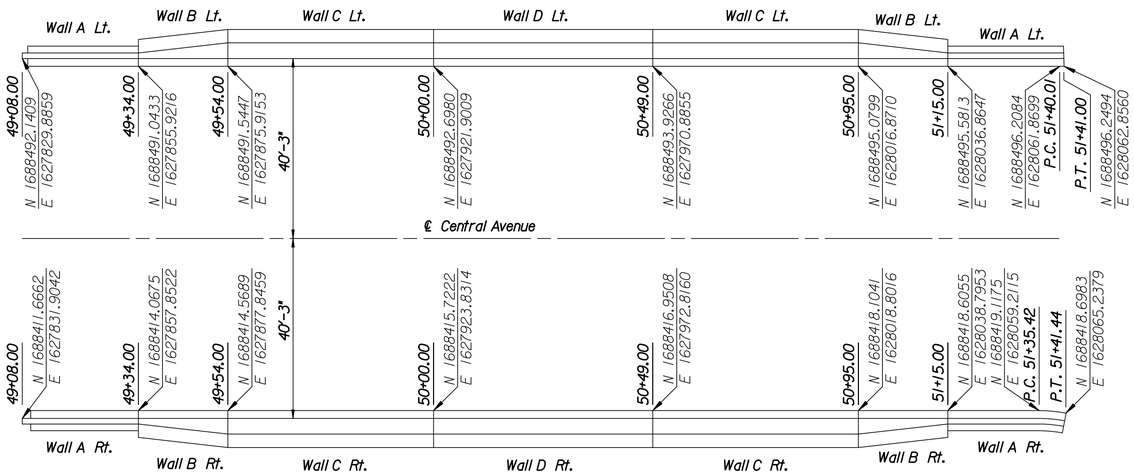
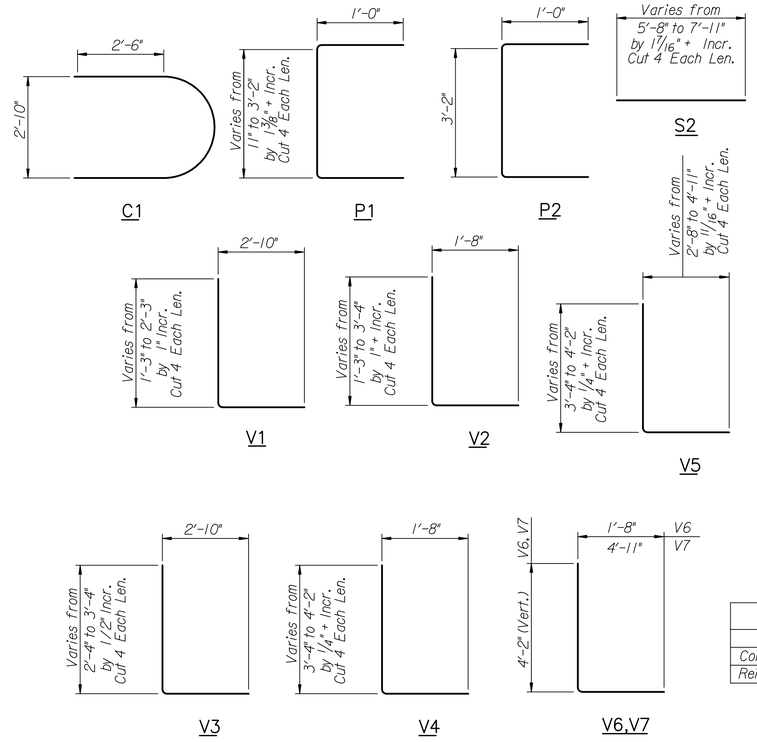


CRASH WALL LAYOUT



BENDING DIAGRAMS

Dimensions are out to out of bars
Cut counts are for both crashwalls

BILL OF MATERIALS (ONE SIDE)

REINFORCING STEEL

Mark	No.	Size	Length	Mark	No.	Size	Length
Typical Lt. or Rt. Walls A							
H1	16	5	25'-8"	V1	26	5	Var.
H2	4	5	25'-9"	V2	52	5	Var.
H3	4	5	14'-10"	V3	50	5	Var.
H4	4	5	2'-10"				
S1	52	5	4'-2"				
E1	52	6	3'-0"				
Typical Lt. or Rt. Walls B							
H5	10	5	19'-8"	P1	40	5	Var.
H6	10	5	19'-10"	S2	40	5	Var.
H7	16	6	19'-9"	V4	78	8	Var.
E1	40	6	3'-0"	V5	78	8	Var.
Typical Lt. or Rt. Walls C							
H8	20	5	45'-8"	P2	92	5	5'-2"
H9	16	6	45'-8"	V7	182	8	9'-1"
S3	92	5	7'-11"	C1	48	6	9'-6"
V6	182	8	5'-10"				
E1	92	6	3'-0"				
Typical Lt. or Rt. Wall D							
H10	10	5	48'-8"	P2	49	5	5'-2"
H11	8	6	48'-8"	V7	97	8	9'-1"
S3	49	5	7'-11"				
V6	97	8	5'-10"				
E1	49	6	3'-0"				

*SUMMARY OF QUANTITIES

Item	Quantity	Unit
Concrete (Grade 4.0)(AE)	263.4	C.Y.
Reinforcing Steel (Gr. 60)(EpoxyCoated)	46,840	Lbs.

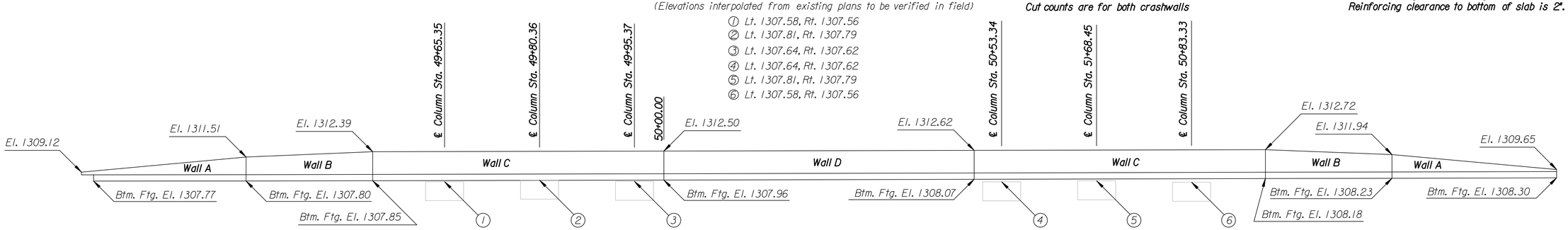
*Total for Lt. and Rt. of Central

GENERAL NOTES

1. Grade 4.0 Concrete AE shall be used throughout. Bevel all exposed edges with a 3/4 inch triangular moulding.
2. All reinforcing to have 2" edge and end clearance unless noted. Reinforcing clearance to bottom of slab is 2".

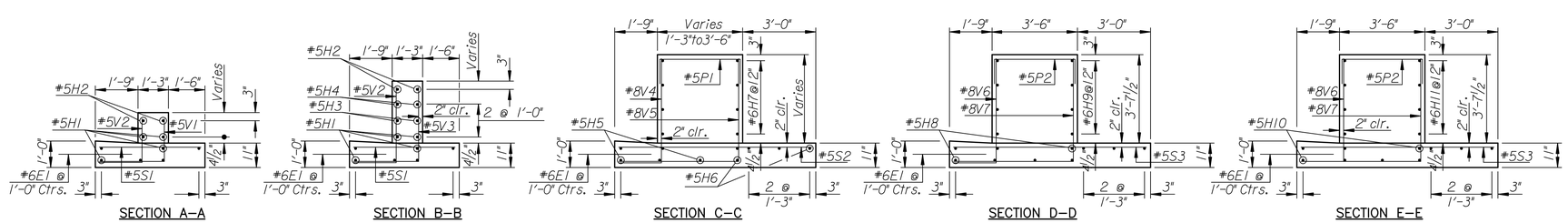
Elevation Top of Existing Footings to Remain
(Elevations interpolated from existing plans to be verified in field)

1. Lt. 1307.58, Rt. 1307.56
2. Lt. 1307.81, Rt. 1307.79
3. Lt. 1307.64, Rt. 1307.62
4. Lt. 1307.64, Rt. 1307.62
5. Lt. 1307.81, Rt. 1307.79
6. Lt. 1307.58, Rt. 1307.56



CRASH WALL ELEVATION

(Typical Lt. & Rt.)



SECTION A–A

SECTION B–B

SECTION C–C

SECTION D–D

SECTION E–E

See Sht. 43 for additional details

No.	Revision	By	Date

CENTRAL AVENUE

CONCRETE PIER PROTECTION

JAMES L. ARMOUR, P.E.–CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-84639

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303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	RAS	Job No.	06655
Drawn by	RAS	Date	Jan. 2008

DSNR: RAS OPER: DRP SCALE:
I:/2006/06655/BRIDGE/CRASHWALL/06655-000_C_CRASHWALL235.DGN LAST REV: 10-24-2007 BY: akl