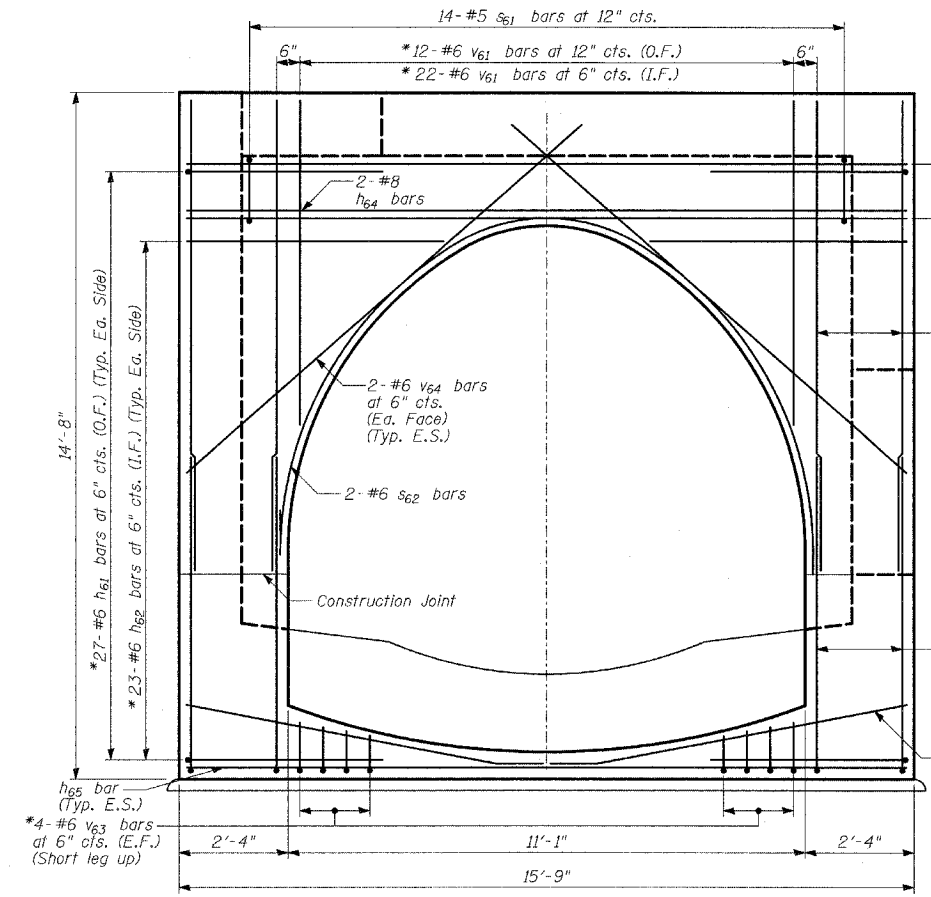


**BILL OF MATERIAL  
JUNCTION CHAMBER 71**

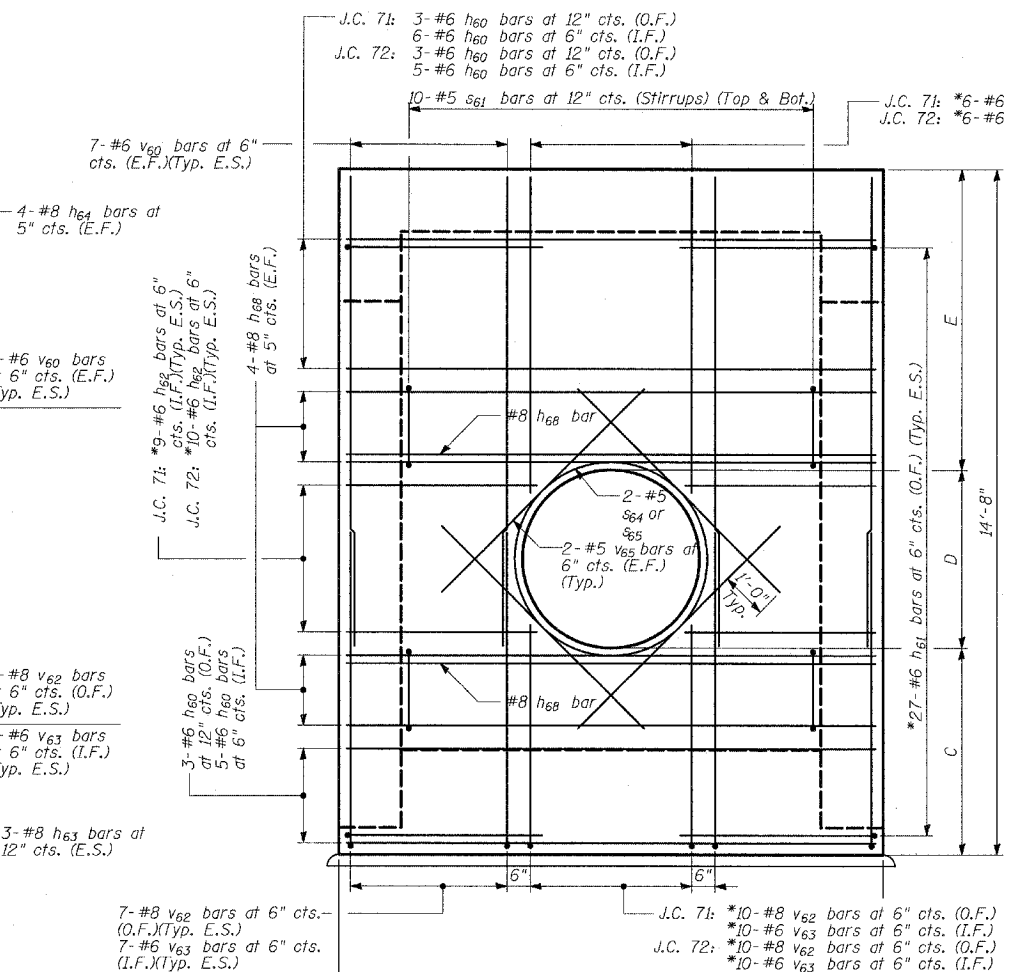
Bar No.	Size	Length	Shape
a60	32	#6	11'-4"
a61	32	#8	13'-2"
a62	4	#8	11'-4"
a63	4	#10	14'-2"
a64	12	#5	5'-4"
a65	4	#5	4'-2"
a66	22	#8	14'-0"
a67	13	#5	8'-8"
h60	58	#6	11'-4"
h61	108	#6	10'-2"
h62	110	#6	4'-3"
h63	12	#8	7'-9"
h64	24	#8	15'-5"
h65	26	#6	15'-5"
h66	39	#8	17'-3"
h67	4	#10	18'-3"
h68	18	#8	11'-4"
h69	20	#5	9'-3"
v60	104	#6	10'-0"
v61	68	#6	6'-11"
v62	68	#8	10'-0"
v63	100	#6	6'-0"
v64	16	#6	11'-3"
v65	16	#5	6'-1"
v66	12	#6	6'-6"
s60	2	#5	12'-8"
s61	48	#5	5'-3"
s62	4	#6	20'-11"
s64	2	#5	17'-1"
Reinforcement Bars	Pound	17,010	
Concrete Structures	Cu. Yard	41	

**BILL OF MATERIAL  
JUNCTION CHAMBER 72**

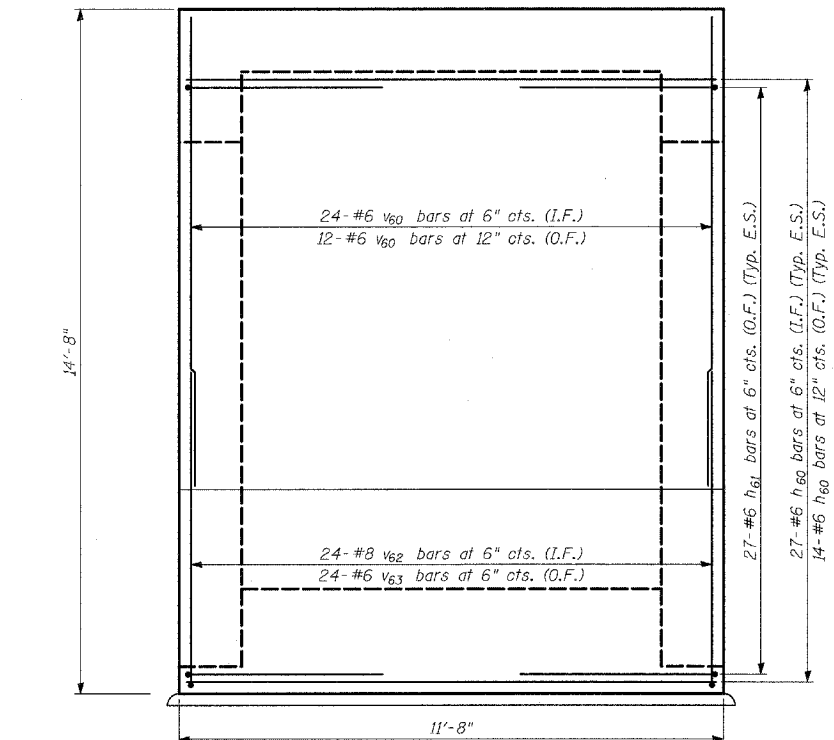
Bar No.	Size	Length	Shape
a60	32	#6	11'-4"
a61	32	#8	13'-2"
a62	4	#8	11'-4"
a63	4	#10	14'-2"
a64	12	#5	5'-4"
a65	4	#5	4'-2"
a66	22	#8	14'-0"
a67	13	#5	8'-8"
h60	57	#6	11'-4"
h61	108	#6	10'-2"
h62	112	#6	4'-4"
h63	12	#8	7'-9"
h64	24	#8	15'-5"
h65	26	#6	15'-5"
h66	39	#8	17'-3"
h67	4	#10	18'-3"
h68	18	#8	11'-4"
h69	20	#5	9'-3"
v60	104	#6	10'-0"
v61	68	#6	6'-11"
v62	68	#8	11'-8"
v63	100	#6	7'-8"
v64	16	#6	11'-3"
v65	16	#5	6'-1"
v66	12	#6	5'-11"
Reinforcement Bars	Pound	17,570	
Concrete Structures	Cu. Yard	41	



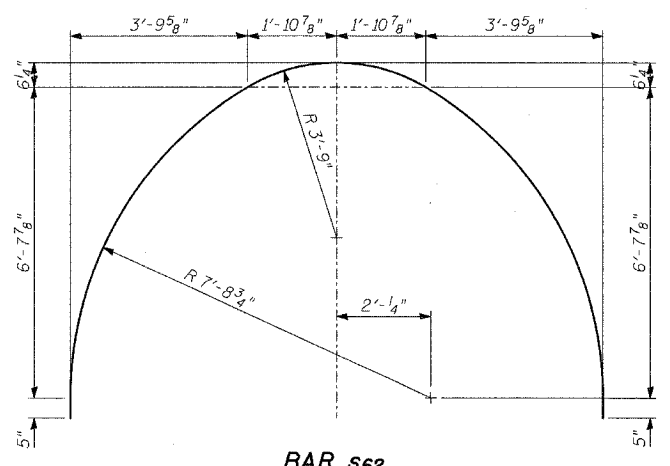
**ELEVATION VIEW B-B**  
(Opposite Wall Typical)



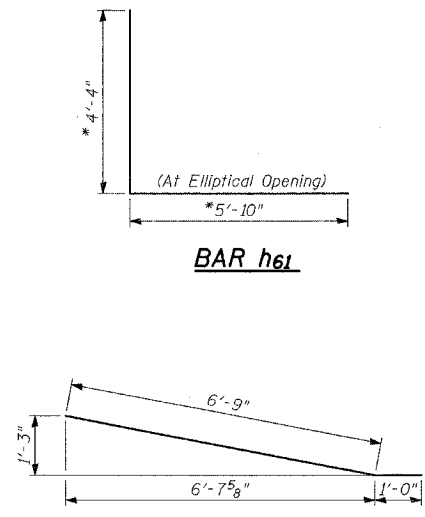
**SECTION E-E**



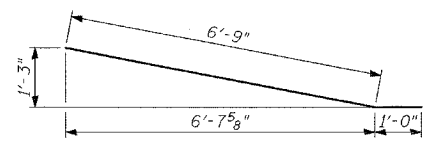
**SECTION D-D**



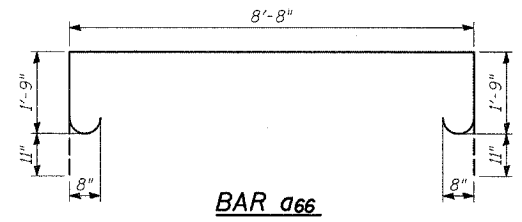
**BAR s62**



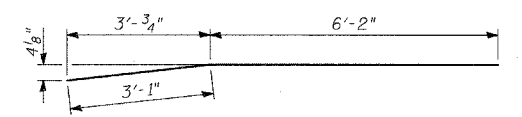
**BAR h61**



**BAR h63**



**BAR a66**



**BAR h69**

**NOTES:**

- All dimensions and elevations shall be field verified prior to construction.
- Concrete pipe sizes shall be coordinated with openings provided into junction chamber before pouring concrete.
- Manhole Frame, Ladder Rungs, and any inserts installation shall be coordinated with Roadway Plans.
- Concrete cover for reinforcement steel to be 2" unless otherwise noted.
- All concrete edges shall be chamfered 1 inch.
- All lap splices marked on the drawings are minimum.
- Concrete Compressive Strength  $f_c' = 3,500$  psi.
- Steel Yield Strength = 60,000 psi.
- Work this Sheet with Sheets 1 and 2 of 3.
- The Bill of Materials are shown for reference only. See Sheet 1 of 3 for Pay Items.

- \* Cut bars to fit in field.
- E.F. - denotes Each Face
- E.S. - denotes Each Side
- I.F. - denotes Inside Face
- O.F. - denotes Outside Face

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. 94 (DAN RYAN EXPRESSWAY)

**JUNCTION CHAMBERS 71 & 72  
DETAILS 2**

S.N. DESIGNED BY: TD, DJR  
SCALE: DRAWN BY: DJR  
DATE: OCTOBER 4, 2004 CHECKED BY: MI