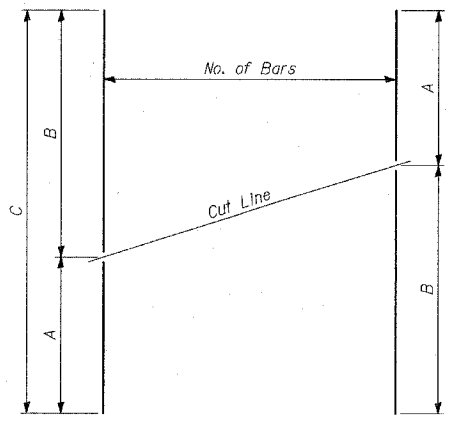


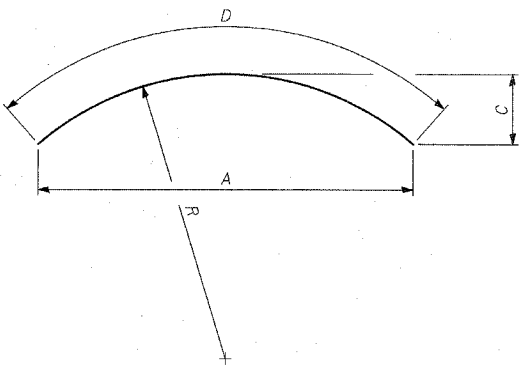
BAR TABLE SCHEDULE

Bar	No. of Sets Req'd	No. of Bars Per Set	A	B	C
v(E)	1	31	4'-9"	9'-9"	14'-6"
v ₁ (E)	1	31	9'-9"	9'-5"	19'-2"
v ₂ (E)	1	31	9'-5"	9'-1"	18'-6"
v ₃ (E)	1	31	9'-1"	8'-9"	17'-10"
v ₄ (E)	1	31	8'-9"	8'-5"	17'-2"
v ₅ (E)	1	26	8'-5"	8'-1"	16'-6"
v ₆ (E)	1	31	8'-1"	7'-9"	15'-10"
v ₇ (E)	1	31	7'-9"	7'-5"	15'-2"
v ₈ (E)	1	31	7'-5"	7'-1"	14'-6"
v ₉ (E)	1	31	7'-1"	6'-9"	13'-10"
v ₁₀ (E)	1	31	6'-9"	6'-5"	13'-2"
v ₁₁ (E)	1	31	6'-5"	6'-1"	12'-6"
v ₁₂ (E)	1	31	6'-1"	5'-9"	11'-10"
v ₁₃ (E)	1	31	5'-9"	5'-5"	11'-2"
v ₁₄ (E)	1	31	5'-5"	5'-1"	10'-6"
v ₁₅ (E)	1	31	5'-1"	4'-9"	9'-10"
v ₁₆ (E)	1	31	4'-9"	4'-5"	9'-2"
v ₁₇ (E)	1	31	4'-5"	4'-1"	8'-6"
v ₁₈ (E)	1	31	4'-1"	4'-7"	8'-8"
v ₂₀ (E)	1	31	4'-7"	5'-0"	9'-7"
v ₂₁ (E)	1	31	5'-0"	5'-6"	10'-6"
v ₂₂ (E)	1	31	5'-6"	6'-0"	11'-6"
v ₂₃ (E)	1	31	6'-0"	6'-5"	12'-5"
v ₂₄ (E)	1	31	6'-5"	6'-11"	13'-4"
v ₂₅ (E)	1	31	6'-11"	7'-5"	14'-4"
v ₂₆ (E)	1	31	7'-5"	7'-11"	15'-4"
v ₂₇ (E)	1	31	7'-11"	8'-4"	16'-3"
v ₂₈ (E)	1	31	8'-4"	8'-10"	17'-2"
v ₂₉ (E)	1	31	8'-10"	9'-4"	18'-2"
v ₃₀ (E)	1	31	9'-4"	9'-10"	19'-2"



SERIES OF BAR CUTTING DIAGRAM

See table for dimensions. Make all cuts normal to bar axis



Bar	A	C	D	R
e ₅ (E), h ₄ (E)	6'-11 ³ / ₄ "	1'-4 ¹ / ₄ "	7'-8"	5'-2"
e ₆ (E), h ₅ (E)	8'-2 ⁷ / ₈ "	1'-7 ⁵ / ₈ "	9'-1"	6'-0"

BARS e₅(E), e₆(E), h₄(E) & h₅(E)

BILL OF MATERIAL

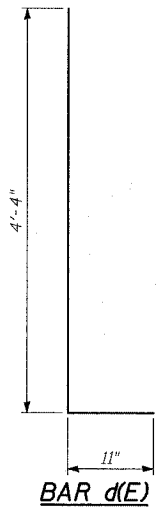
Bar	No.	Size	Length	Shape
d(E)	1,359	#4	5'-3"	L
d ₁ (E)	1,174	#6	6'-6"	—
d ₂ (E)	186	#6	5'-11"	—
e(E)	200	#5	32'-2"	—
e ₁ (E)	128	#5	29'-8"	—
e ₂ (E)	8	#5	27'-2"	—
e ₃ (E)	8	#5	22'-6"	—
e ₄ (E)	8	#5	30'-8"	—
e ₅ (E)	4	#5	7'-8"	—
e ₆ (E)	4	#5	9'-1"	—
h(E)	483	#5	32'-2"	—
h ₁ (E)	288	#5	29'-8"	—
h ₂ (E)	23	#5	27'-2"	—
h ₃ (E)	7	#5	22'-6"	—
h ₄ (E)	4	#5	7'-8"	—
h ₅ (E)	3	#5	9'-1"	—
h ₆ (E)	25	#5	30'-8"	—
v(E)	31	#4	14'-6"	—
v ₁ (E)	31	#4	19'-2"	—
v ₂ (E)	31	#4	18'-6"	—
v ₃ (E)	31	#4	17'-10"	—
v ₄ (E)	31	#4	17'-2"	—
v ₅ (E)	26	#4	16'-6"	—
v ₆ (E)	31	#4	15'-10"	—
v ₇ (E)	31	#4	15'-2"	—
v ₈ (E)	31	#4	14'-6"	—
v ₉ (E)	31	#4	13'-10"	—
v ₁₀ (E)	31	#4	13'-2"	—
v ₁₁ (E)	31	#4	12'-6"	—
v ₁₂ (E)	31	#4	11'-10"	—
v ₁₃ (E)	31	#4	11'-2"	—

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
v ₂₄ (E)	31	#4	10'-6"	—
v ₂₅ (E)	31	#4	9'-10"	—
v ₂₆ (E)	31	#4	9'-2"	—
v ₂₇ (E)	31	#4	8'-6"	—
v ₂₈ (E)	186	#4	4'-1"	—
v ₂₉ (E)	31	#4	8'-8"	—
v ₂₀ (E)	31	#4	9'-7"	—
v ₂₁ (E)	31	#4	10'-6"	—
v ₂₂ (E)	31	#4	11'-6"	—
v ₂₃ (E)	31	#4	12'-5"	—
v ₂₄ (E)	31	#4	13'-4"	—
v ₂₅ (E)	31	#4	14'-4"	—
v ₂₆ (E)	31	#4	15'-4"	—
v ₂₇ (E)	31	#4	16'-3"	—
v ₂₈ (E)	31	#4	17'-2"	—
v ₂₉ (E)	31	#4	18'-2"	—
v ₃₀ (E)	31	#4	19'-2"	—
v ₃₁ (E)	248	#4	9'-10"	—
v ₃₂ (E)	62	#4	9'-9"	—

Reinforcement Bars, Epoxy Coated	POUND	67,190
Protective Coat	SQ YD	1,783
Concrete Structures	CU YD	546
Furnishing Soldier Piles (W Section)	FOOT	6,298
Drilling and Setting Soldier Piles (In Soil)	CU FT	31,831

Reinforcement bars designated (E) shall be epoxy coated.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 RETAINING WALL ALONG LAFAYETTE AVE.
 93RD ST. TO 91ST ST.
 WALL 36
 BILL OF MATERIAL

S.N. 016-W948 DESIGNED BY: MI, DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 25, 2005 CHECKED BY: TD, MI