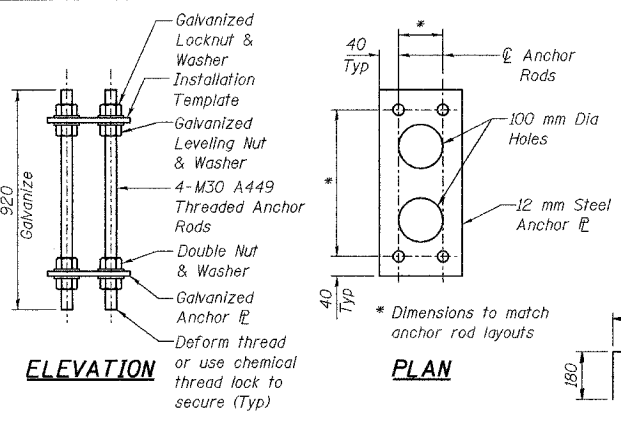
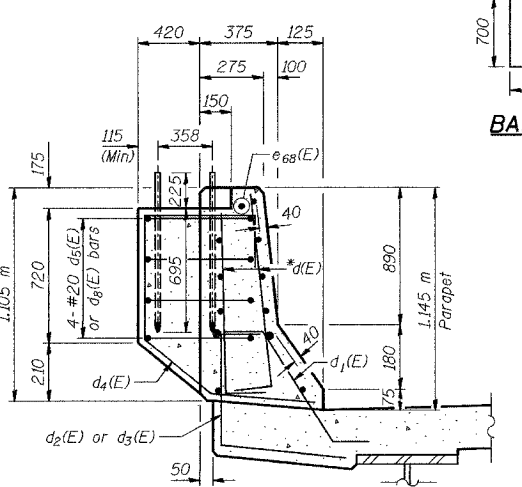
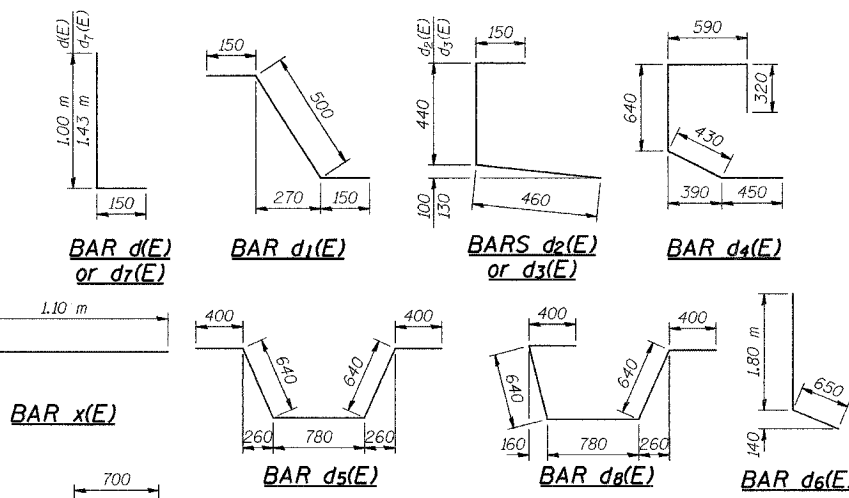


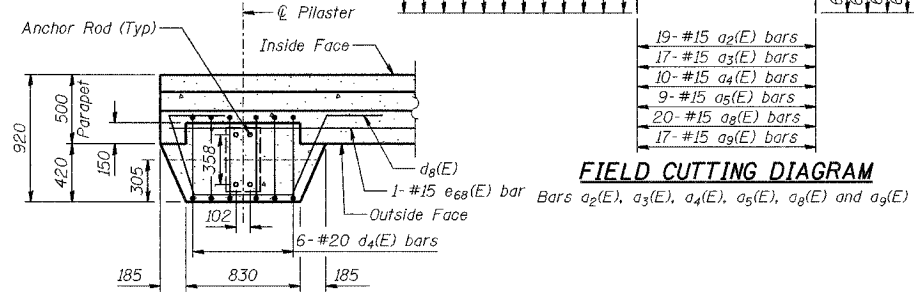
SUPERSTRUCTURE BILL OF MATERIAL



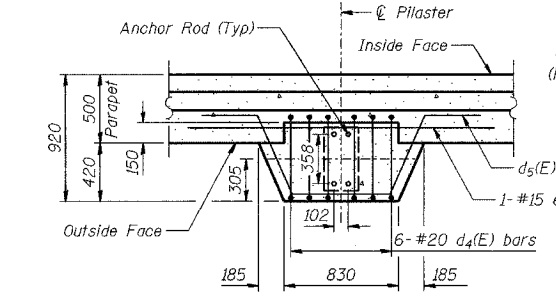
NOISE ABATEMENT WALL ANCHOR ROD ASSEMBLY
(Phase 2, Stage 2 - 50 Req'd)
(Phase 3, Stage 3 - 55 Req'd)



NOISEWALL PILASTER DETAIL
*Cut d(E) bar on Back Face to fit.

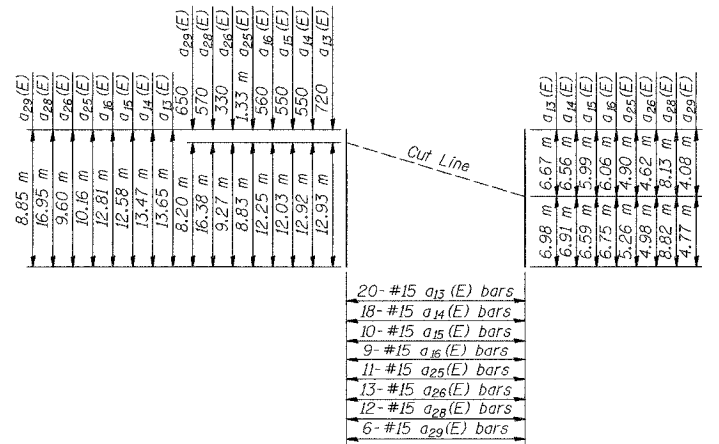


FIELD CUTTING DIAGRAM



TYPICAL PILASTER SUPPORT - PLAN VIEW
(Reinforcement in Parapet not shown)
(1 Noise Abatement Wall Anchor Rod Assembly per Pilaster)
(Phase 2 - 46 Pilasters Req'd, Phase 3 - 51 Pilasters Req'd)

PILASTER SUPPORT AT END OF PARAPET - PLAN VIEW
(Reinforcement in Parapet not shown)
(1 Noise Abatement Wall Anchor Rod Assembly per Pilaster)
(Phase 2 - 4 Pilasters Req'd, Phase 3 - 4 Pilasters Req'd)



FIELD CUTTING DIAGRAM

Bars a13(E), a14(E), a15(E), a16(E), a25(E), a26(E), a28(E) and a29(E).

PHASE 2					PHASE 3					PHASE 3 (CONT.)				
Bar	No.	Size	Length (m)	Shape	Bar	No.	Size	Length (m)	Shape	Bar	No.	Size	Length (m)	Shape
a1(E)	718	#15	12.94	—	a10(E)	1216	#20	1.40	—	e25(E)	35	#15	5.11	—
a2(E)	633	#15	12.77	—	a11(E)	736	#15	12.97	—	e26(E)	18	#15	4.15	—
a3(E)	19	#15	12.80	—	a12(E)	648	#15	12.81	—	e27(E)	35	#15	5.26	—
a4(E)	17	#15	12.54	—	a13(E)	21	#15	13.65	—	e28(E)	18	#15	6.84	—
a5(E)	10	#15	13.18	—	a14(E)	19	#15	13.47	—	e29(E)	49	#15	5.13	—
a6(E)	9	#15	12.79	—	a15(E)	10	#15	12.58	—	e30(E)	6	#25	9.55	—
a7(E)	2	#15	15.59	—	a16(E)	9	#15	12.81	—	e31(E)	4	#25	4.15	—
a8(E)	6	#15	13.34	—	a17(E)	2	#15	15.40	—	e32(E)	6	#25	9.79	—
a9(E)	20	#15	12.36	—	a18(E)	6	#15	13.42	—	e33(E)	4	#25	6.84	—
a10(E)	363	#20	1.40	—	a19(E)	20	#15	12.40	—	e34(E)	8	#25	10.13	—
b1(E)	552	#15	8.82	—	a20(E)	17	#15	12.73	—	e35(E)	6	#15	9.09	—
b2(E)	44	#20	17.42	—	a21(E)	32	#15	0.60	—	e36(E)	8	#15	7.16	—
b3(E)	88	#20	10.23	—	a22(E)	1536	#15	13.31	—	e37(E)	10	#15	7.83	—
b4(E)	468	#15	8.20	—	a23(E)	2031	#15	8.95	—	e38(E)	40	#15	5.05	—
b5(E)	414	#15	8.59	—	a24(E)	39	#15	14.08	—	e39(E)	20	#15	4.46	—
b6(E)	44	#20	13.59	—	a25(E)	22	#15	10.16	—	e40(E)	16	#15	5.00	—
b7(E)	44	#20	12.59	—	a26(E)	13	#15	9.60	—	e41(E)	48	#15	5.90	—
b8(E)	360	#15	7.80	—	a27(E)	63	#15	13.70	—	e42(E)	20	#15	5.14	—
c1(E)	1218	#15	1.00	—	a28(E)	12	#15	16.95	—	e43(E)	40	#15	5.81	—
d1(E)	609	#15	0.80	—	a29(E)	6	#15	8.85	—	e44(E)	6	#25	9.44	—
d2(E)	609	#15	1.05	—	a30(E)	4	#15	15.71	—	e45(E)	4	#25	4.46	—
d3(E)	300	#20	2.43	—	a31(E)	12	#15	13.73	—	e46(E)	12	#25	10.25	—
d4(E)	184	#20	2.86	—	a32(E)	24	#15	16.95	—	e47(E)	4	#25	5.14	—
d5(E)	16	#20	2.86	—	a33(E)	12	#15	8.85	—	e48(E)	6	#25	10.70	—
e1(E)	35	#15	5.02	—	b1(E)	44	#20	17.42	—	e49(E)	6	#15	8.99	—
e2(E)	18	#15	4.63	—	b2(E)	88	#20	10.23	—	e50(E)	53	#15	2.67	—
e3(E)	35	#15	5.60	—	b3(E)	1233	#15	8.59	—	e51(E)	8	#15	7.51	—
e4(E)	18	#15	4.65	—	b4(E)	132	#20	13.59	—	e52(E)	8	#15	7.85	—
e5(E)	6	#25	9.39	—	b5(E)	132	#20	13.59	—	e53(E)	40	#15	5.06	—
e6(E)	4	#25	4.63	—	b6(E)	132	#20	12.59	—	e54(E)	20	#15	4.41	—
e7(E)	8	#25	8.10	—	b7(E)	1070	#15	7.80	—	e55(E)	20	#15	5.59	—
e8(E)	4	#25	4.65	—	b8(E)	598	#15	8.52	—	e56(E)	40	#15	5.78	—
e9(E)	6	#25	8.04	—	b9(E)	504	#15	7.96	—	e57(E)	6	#25	9.46	—
e10(E)	6	#15	8.93	—	b10(E)	1274	#15	8.59	—	e58(E)	4	#25	4.41	—
e11(E)	14	#15	7.59	—	b11(E)	8	#20	16.65	—	e59(E)	4	#25	5.59	—
e12(E)	28	#15	4.99	—	b12(E)	176	#20	12.78	—	e60(E)	6	#25	10.65	—
e13(E)	18	#15	3.49	—	b13(E)	1065	#15	8.06	—	e61(E)	6	#15	9.01	—
e14(E)	35	#15	5.18	—	d(E)	3906	#15	1.00	—	e62(E)	8	#15	7.41	—
e15(E)	18	#15	3.21	—	d1(E)	1953	#15	0.80	—	e63(E)	8	#15	7.82	—
e16(E)	21	#15	5.56	—	d2(E)	640	#15	1.05	—	e64(E)	16	#20	1.60	—
e17(E)	6	#25	7.64	—	d3(E)	1313	#15	1.05	—	e65(E)	10	#20	3.00	—
e18(E)	4	#25	3.49	—	d4(E)	330	#20	2.43	—	e66(E)	4	#20	0.70	—
e19(E)	6	#25	7.88	—	d5(E)	204	#20	2.86	—	e67(E)	16	#15	4.80	—
e20(E)	4	#25	3.21	—	d6(E)	8	#20	2.45	—	e68(E)	55	#15	2.11	—
e21(E)	4	#25	9.10	—	d7(E)	8	#20	1.58	—	x(E)	128	#15	1.28	—
e22(E)	6	#15	7.19	—	d8(E)	16	#20	2.86	—					
e23(E)	6	#15	7.43	—	e12(E)	92	#15	4.99	—					
e24(E)	4	#15	8.76	—	e13(E)	58	#15	3.49	—					
e25(E)	48	#15	2.67	—	e14(E)	115	#15	5.18	—					
e26(E)	50	#15	2.11	—	e15(E)	58	#15	3.21	—					
e27(E)	4	#15	1.28	—	e16(E)	69	#15	5.56	—					
					e17(E)	18	#25	7.64	—					
					e18(E)	12	#25	3.49	—					
					e19(E)	18	#25	7.88	—					
					e20(E)	12	#25	3.21	—					
					e21(E)	12	#25	9.10	—					
					e22(E)	18	#15	7.19	—					
					e23(E)	18	#15	7.43	—					
					e24(E)	12	#15	8.76	—					

Concrete, C. Superstructure	m ³	554.7
Surface Seal (Estimated)	m ²	2,379
Reinforcing Bars, Epoxy Coated	kg	71,800
Threaded Tie Bar Assembly, Epoxy Coated	Each	1,465
Noise Abatement Wall Anchor Rod Assembly	Each	50
Masonry Coating (Estimated)	m ²	549

NOTES:
Reinforcement bars designated (E) shall be epoxy coated.
All concrete edges shall have a 20 mm chamfer.
All dimensions are in millimeters (mm) except as noted.

PHASE 2 FOR INFORMATION ONLY

DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

**ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.L. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.**

**SUPERSTRUCTURE DETAILS (2 OF 2)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
DATE 07/05 (016-1003 & 016-1004)**

