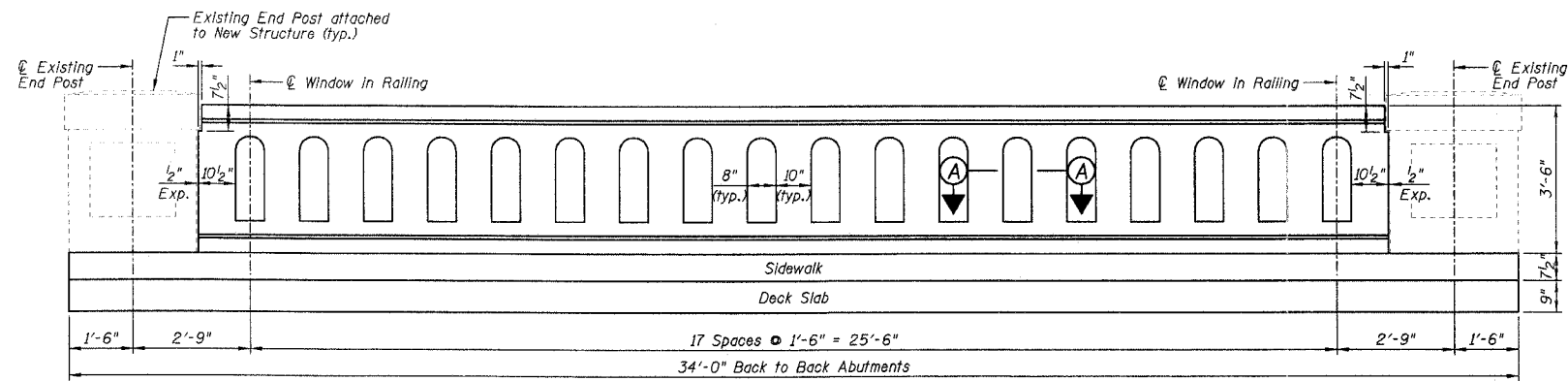
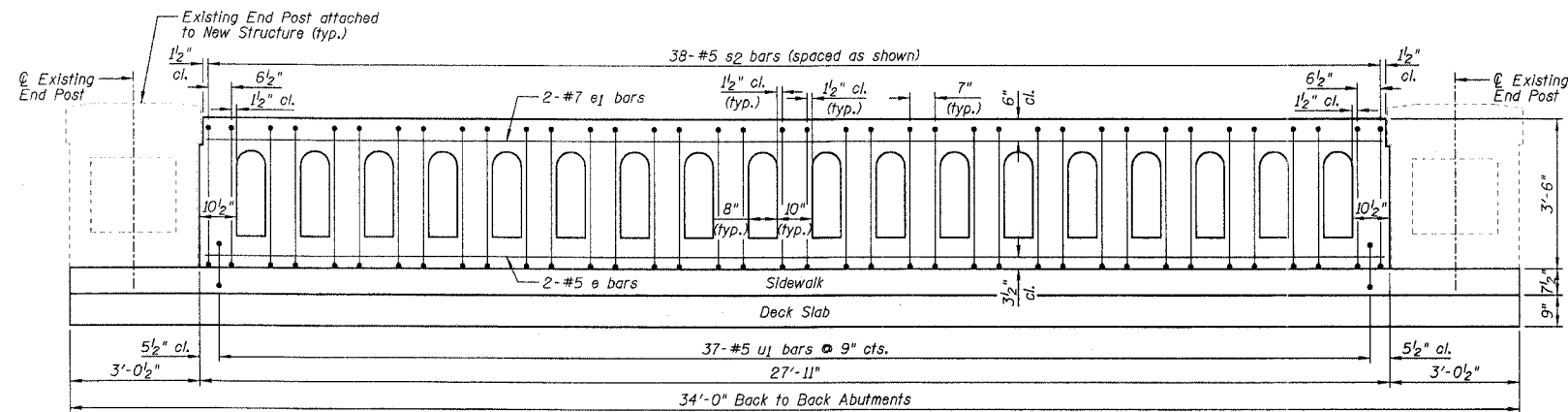


RAILING BILL OF MATERIALS

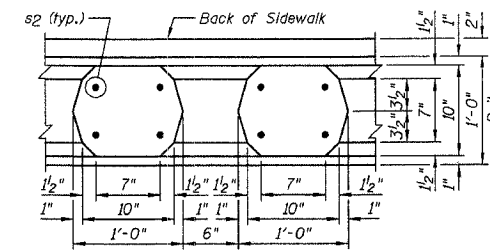
Bar	No.	Size	Length	Shape
d1	16	#5	3'-0"	—
e	4	#5	27'-7"	—
e1	4	#7	27'-5"	—
s2	76	#5	8'-6"	—
uj	74	#5	3'-5"	—
Item	Unit	Quantity		
Reinforcement Bars, Epoxy Coated	Pound	1330		
Concrete Rail	Foot	56		
Remove & Reset Existing Railing End Scroll Pieces	Each	4		



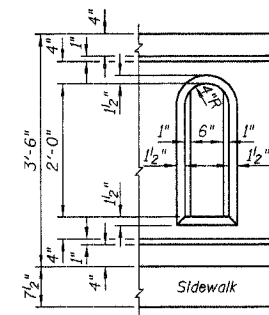
ELEVATION



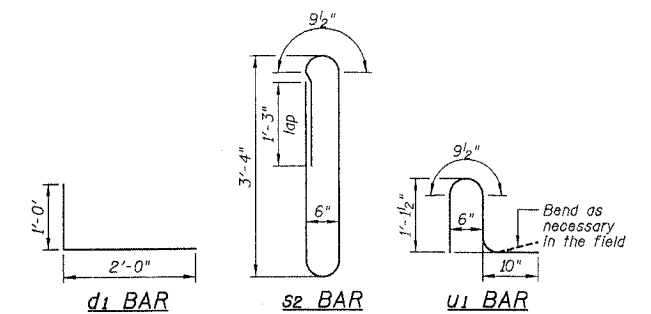
SECTION THRU RAILING
(Sidewalk and Deck Slab reinforcement not shown for clarity.)



SECTION A-A



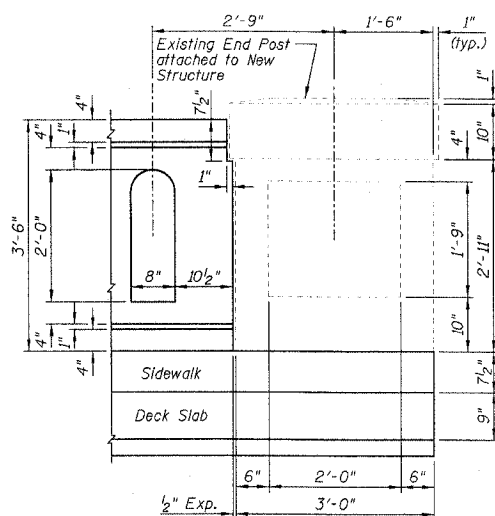
WINDOW DETAIL



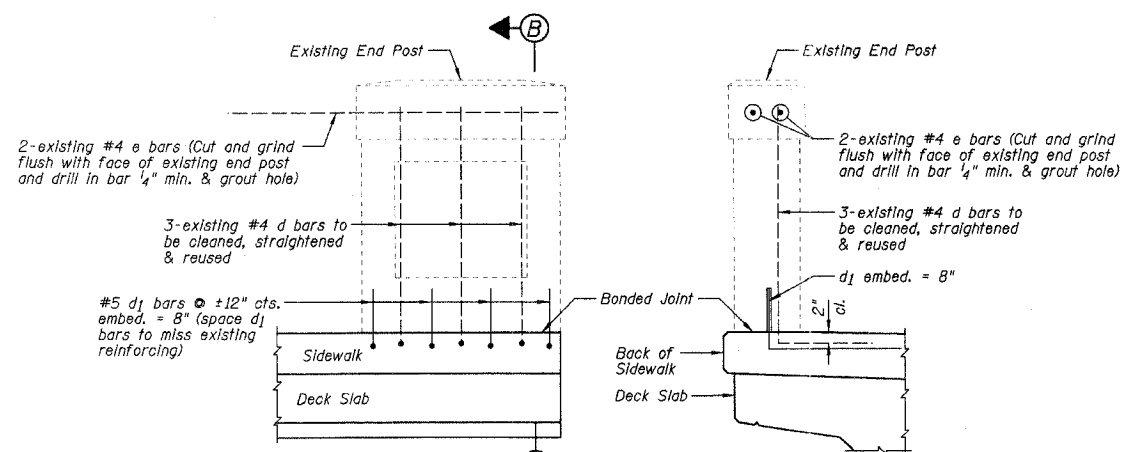
d1 BAR

s2 BAR

u1 BAR



EXISTING END POST DETAIL

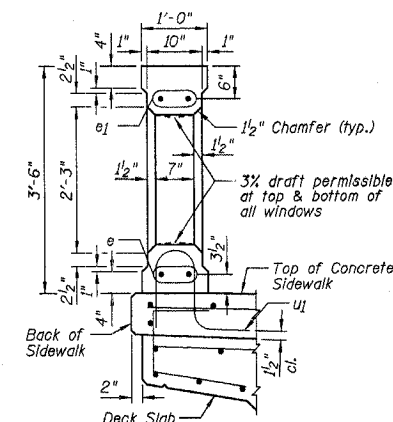


ELEVATION AT END POST

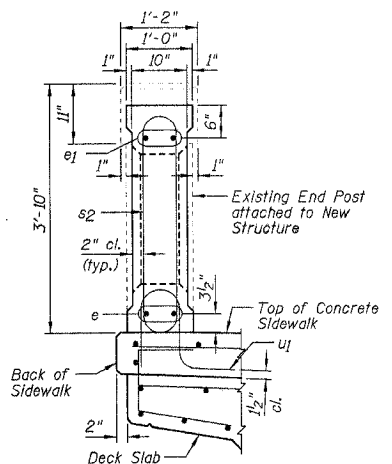
SECTION B-B

EXISTING END POST CONNECTION

(Sidewalk and Deck Slab reinforcement not shown for clarity.)
 Note: The Contractor shall provide support for the existing end posts. The method of support shall be approved by the Engineer. (approximate end post weight = 1820 lb)



SECTION THRU WINDOW ON BRIDGE SLAB



SECTION THRU POST ON BRIDGE SLAB
(Showing existing end post)

NOTES:

- 1.) Work this sheet with Sheets B7 & B8.
- 2.) This rail has been successfully evaluated by full-scale impact tests. Test documentation may be found in Research Report 1185-3F, "Aesthetically Pleasing Concrete Combination Pedestrian - Traffic Bridge Rail - Texas Type C411", of Research Study 2-5-89/90-1185, Texas Transportation Institute, August 1990.
- 3.) Face of rail shall be vertical transversely unless otherwise approved by the Engineer.
- 4.) All parts of the railing, including concrete, terminal connector, bolts, nuts and washers, are included in the price bid per cubic yard of "Bridge Rail".
- 5.) All concrete for railing wall shall be Class SI. A rubbed finish shall be applied to all railing surfaces unless otherwise shown elsewhere on the plans.
- 6.) Shop drawings will not be required for this rail.
- 7.) Top longitudinal slab bar may be adjusted laterally ±3" to tie reinforcing.
- 8.) Drill & Epoxy Grout d1 bars in 8" (min.) drilled holes according to Section 584 of Standard Specifications.
- 9.) The type of Epoxy Grout shall be approved by the Engineer.
- 10.) The Existing End Posts shall be held in place as the sidewalks are poured.

SECTION 02-00090-00-BR
LIVINGSTON COUNTY
PONTIAC, ILLINOIS

RAILING ELEVATION, SECTIONS, AND DETAILS

DESIGNED BY J.M.L.	Farnsworth GROUP 2706 McQuinn Drive Bloomington, Illinois 61704 309/895-8195, 309/893-1871 fax	FILE NO. 24-6884
DRAWN BY D.J.M.		DATE 01-14-05
CHECKED BY M.S.W.		SHEET NO. 17 of 31