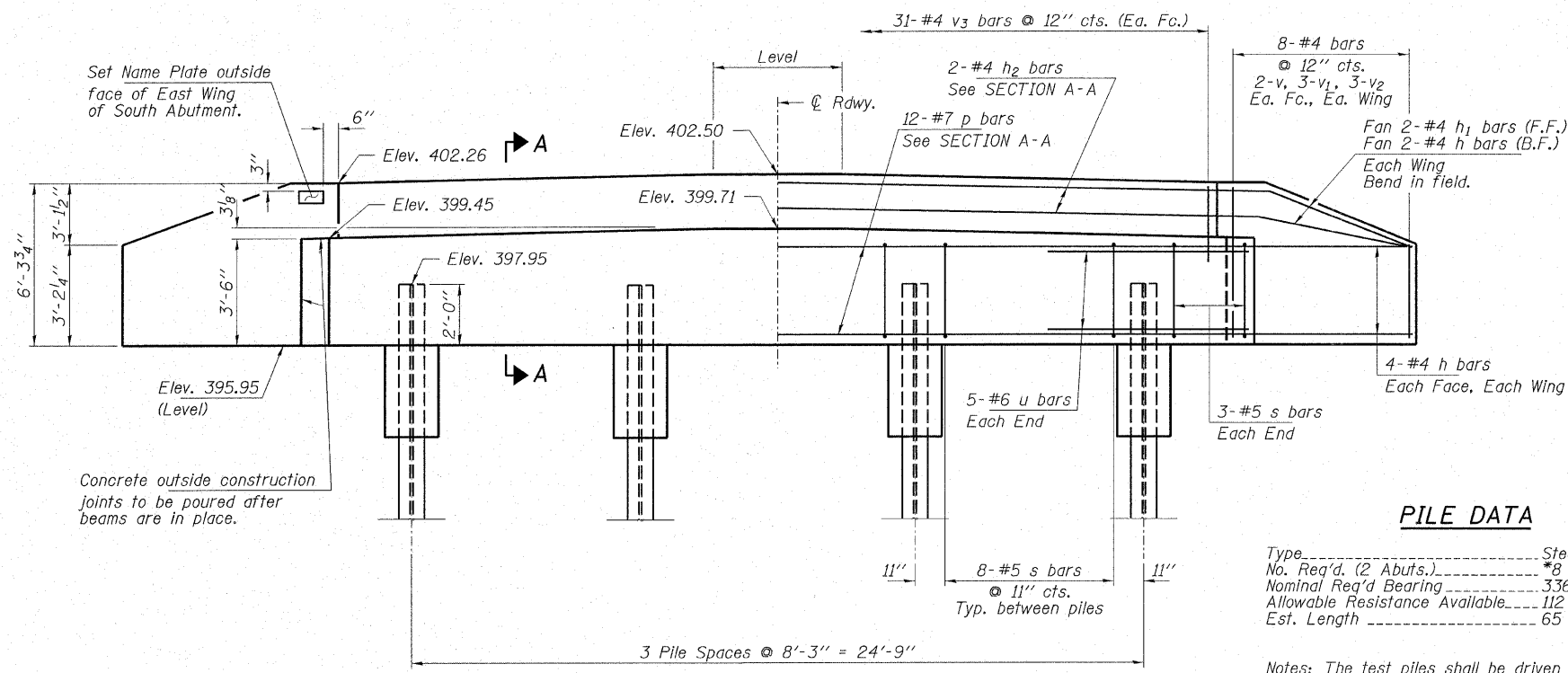


Note: Extend h bars into abut. cap and backwall.



PILE DATA

Type: Steel HP12x53
 No. Req'd (2 Abut.): 8
 Nominal Req'd Bearing: 336 Kips/Pile
 Allowable Resistance Available: 112 Kips/Pile
 Est. Length: 65 Ft/Pile

Notes: The test piles shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

The Steel H-Piles shall be according to AASHTO M270 Grade 50.
 * Includes one test pile to be driven in a permanent location at the South Abutment.
 See sheet 13 for pile details.

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h	40	#4	8'-6"	—
h1	8	#4	7'-0"	—
h2	4	#4	30'-0"	—
p	24	#7	30'-0"	—
s	60	#5	11'-7"	□
u	20	#6	12'-3"	▤
v	16	#4	5'-11"	—
v1	24	#4	4'-5"	—
v2	24	#4	2'-11"	—
v3	124	#4	3'-8"	—
Concrete Structures			Cu. Yd.	29.6
Concrete Encasement			Cu. Yd.	2.8
Reinforcement Bars			Pound	3,390
Steel Piles HP12x53			Foot	455
Test Pile Steel HP12x53			Each	1
Name Plates			Each	1

HAMPTON, LENZINI & RENWICK, INC.
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 (217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-92-0008-1 DATE: 02/07/08
 DESIGNED: R.J.P. CHECKED: S.W.M. DRAWN: D.A.B.

ABUTMENTS
 SECTION 06-00097-00-BR
 C.H. 7 / MT. PLEASANT ROAD
 UNION COUNTY
 STRUCTURE NO. 091-3232 / STATION 10+00