



Note: See Sheet S-16
for section view

DETAIL A

**BILL OF MATERIAL
PIER 1**

Bar	No.	Size	Length	Shape
$h_4(E)$	36	#4	10'-4"	—
$h_5(E)$	36	#4	21'-4"	—
$h_6(E)$	3	#5	11'-6"	—
$D_8(E)$	4	#8	13'-1"	—
$D_9(E)$	6	#8	11'-1"	—
$D_{11}(E)$	10	#8	22'-3"	—
$s_6(E)$	32	#5	10'-7"	□
$u_5(E)$	3	#6	8'-11"	U
$u_6(E)$	18	#4	7'-7"	U
$u_7(E)$	3	#6	8'-11"	U
$u_8(E)$	18	#4	7'-7"	U
$u_9(E)$	12	#4	6'-8"	U
$v_8(E)$	22	#4	19'-0"	—
$v_9(E)$	44	#4	18'-8"	—
$v_{12}(E)$	26	#8	4'-2"	U
$z_1(E)$	4	#8	7'-1"	—
Cofferdam Excavation		Cu. Yd.	88	
* Cofferdam (Type 2) (Location - 1)		Each	1	
* Cofferdam (Type 2) (Location - 2)		Each	1	
Concrete Structures		Cu. Yd.	53	
Seal Coat Concrete		Cu. Yd.	72	
Reinforcement Bars, Epoxy Coated		Pound	3,570	
Furnishing Metal Shell Piles, 14"x0.312"		Foot	175	
Driving Piles		Foot	175	
Mechanical Splicers		Each	8	
Test Pile Metal Shells		Each	1	

Notes:
For details of Mechanical Splicers, see
sheet S-40

* Each location noted for Cofferdam (Type 2)
is for one end of a pier.

COMPANY NAME: SEC GROUP, INC.
PROJECT CONTACT: Robert J. G. Davies
CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
DATE PLOTTED: 10/24/2011 11:02:50 AM
PLOT DRIVERS: C:\Program Files\Autodesk\AutoCAD 2011\Plot\Plotter\Plotter01c.dgn
PEN TABLE: Struct_22x34.tbl

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USER NAME = whood	DESIGNED - JPG	REVISED -
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PLOT DATE = 10/14/2011	CHECKED - RGD	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 1 DETAILS
STRUCTURE NO. 047-0051**

SHEET NO. S-35 OF S-43 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	14BR-1	KENDALL	429	285
			CONTRACT NO. 66985	
ILLINOIS FED. AID PROJECT				