



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h170(E)	20	#5	32'-11"	—
h171(E)	10	#5	29'-8"	—
h172(E)	7	#5	11'-0"	—
h173(E)	3	#5	12'-0"	—
h174(E)	10	#5	4'-0"	—
h175(E)	10	#5	28'-8"	—
u170(E)	144	#5	14'-10"	□
v170(E)	138	#5	4'-5"	—
Structure Excavation			Cu. Yd.	35
Concrete Structures			Cu. Yd.	42.2
Form Liner Textured Surface			Sq. Ft.	496
Reinforcement Bars, Epoxy Coated			Pound	2,820
Permanent Sheet Piling			Sq. Ft.	2,173
Ornamental Railing			Foot	130

Bars indicated thus 3x2-#5 etc. indicates 3 lines of bars with 2 lengths per line.

NOTES:

Wall stations, offsets and dimensions are measured at front face of wall.

All exposed corners shall have a 1" chamfer.

For General Notes, Wall Key Plan and US 45 Profile, see Sheet 1.

For Typical Wall Details and Ornamental Railing see Sheet 2.

The details for the concrete cap, reinforcement and required number of shear stud connectors are based on Section AZ 18 sheet piling. If the Contractor chooses to use any other section, then the Contractor shall submit revised concrete cap and reinforcement configuration for approval by the Engineer. Such changes shall not be cause for additional compensation.

LEGEND

⊙ - Panel No.
 ⊕ - Soil Boring
 F.F. - Front Face
 B.F. - Back Face
 E.F. - Each Face

BAR LAPS

Basic Lap
 #5 bars - 2'-7"

Top Bar Lap
 #5 bars - 2'-11"

URS
 100 S. WACKER DR.
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FILE NAME : D:\68\61-SHT-Wall-17-1.dgn	USER NAME : Patrick.Hennemann	DESIGNED - KMP	REVISED - 04/12/2013 K.M.P.
		CHECKED -	REVISED -
		DRAWN - KMP	REVISED -
		CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 17 - S.N. 016-2043
 STA. 258 + 35.00 TO 259 + 55.15

F.A.P. R.T.E. 330	SECTION 103R-4	COUNTY COOK	TOTAL SHEETS 877	SHEET NO. 492
				CONTRACT NO. 60W61
ILLINOIS FED. AID PROJECT				

SHEET NO. 16 OF 42 SHEETS