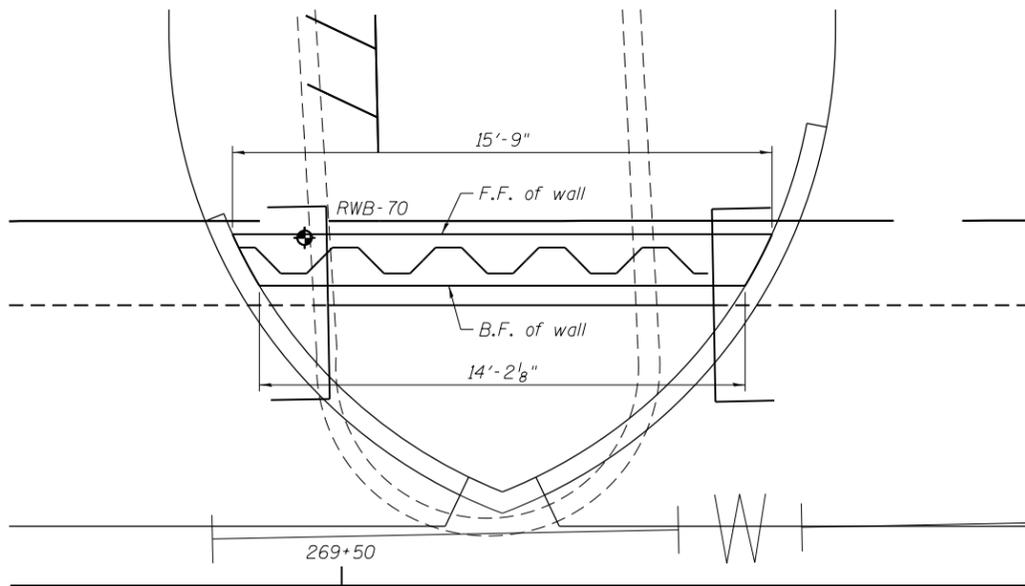


**WALL NO. 22**  
(Sta. 269+47.60 to Sta 269+61.77)

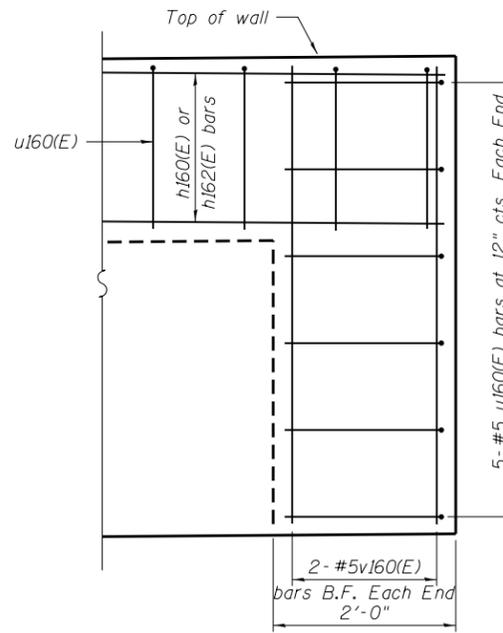


**PLAN**

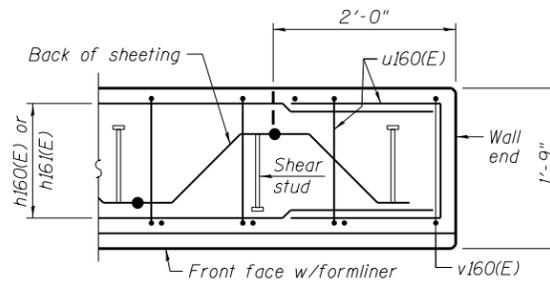
**BAR LAPS**

Basic Lap: #5 bars - 2'-7"  
Top Bar Lap: #5 bars - 2'-11"

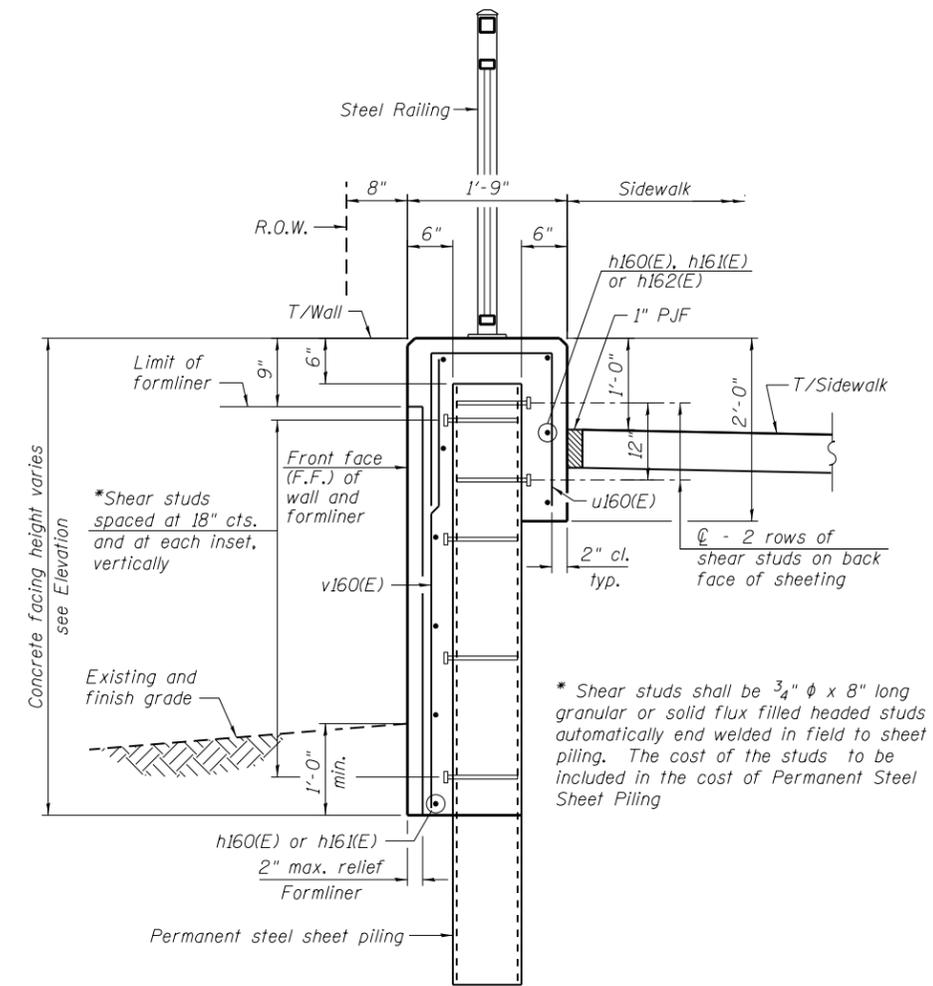
- LEGEND**
- = Panel No.
  - ⊕ = Soil Boring
  - F.F. = Front Face
  - B.F. = Back Face
  - E.F. = Each Face



**TYPICAL END CAP DETAIL**  
(u160(E) bars in F.F. not shown for clarity)



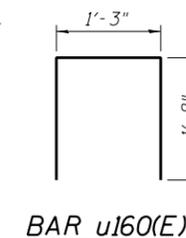
**PLAN AT END OF WALL**



**TYPICAL SECTION THROUGH WALL**

**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.



**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h220(E)	6	#5	32'-11"	—
h221(E)	6	#5	21'-4"	—
u220(E)	21	#5	4'-7"	□
v220(E)	19	#5	4'-3"	—
Structure Excavation		Cu. Yd.		3
Concrete Structures		Cu. Yd.		5.0
Form Liner Textured Surface		Sq. Ft.		62
Reinforcement Bars, Epoxy Coated		Pound		530
Permanent Sheet Piling		Sq. Ft.		355
Ornamental Railing		Foot		15

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**URS**

FILE NAME = D160M61-SHT-Wall.22-1.dgn	USER NAME = Anthony.Plutz	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE = 5.333' / in.	DRAWN -	REVISED -
	PLOT DATE = 3/14/2013	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 22 - S.N. 016-2048  
STA. 269+46.82 TO 269+62.56**

SHEET NO. 21 OF 42 SHEETS

F.A.P. RTE. 330	SECTION 103R-4	COUNTY COOK	TOTAL SHEETS 877	SHEET NO. 497
CONTRACT NO. 60M61				ILLINOIS FED. AID PROJECT