

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h300(E)	4	#5	38'-9"	—
h301(E)	4	#5	35'-9"	—
h302(E)	8	#5	19'-8"	—
h303(E)	4	#5	7'-3"	—
h304(E)	4	#5	10'-10"	—
h305(E)	12	#6	32'-9"	—
h306(E)	12	#6	29'-9"	—
h307(E)	20	#5	32'-9"	—
h308(E)	20	#5	29'-9"	—
p300(E)	6	#6	32'-2"	—
p301(E)	6	#6	29'-2"	—
p302(E)	12	#9	38'-11"	—
p303(E)	12	#9	35'-11"	—
p304(E)	12	#6	10'-6"	—
s300(E)	126	#5	13'-7"	□
s301(E)	56	#5	9'-0"	□
s302(E)	72	#4	8'-10"	□
s303(E)	256	#6	17'-6"	□
sp300	8	#4	87'-8"	⌘
u300(E)	10	#6	10'-4"	□
u301(E)	61	#5	4'-4"	□
u302(E)	24	#6	11'-2"	□
v300(E)	96	#8	12'-2"	⌘
v301	224	#9	48'-0"	—
v302(E)	112	#9	14'-6"	—
Structure Excavation			Cu. Yd.	56
Concrete Structures			Cu. Yd.	150.8
Reinforcement Bars			Pound	44,430
Reinforcement Bars, Epoxy Coated			Pound	25,720
Permanent Casing			Foot	85
Drilled Shaft in Soil			Cu. Yd.	241.3
Drilled Shaft in Rock			Cu. Yd.	6.3
Concrete Sealer			Sq. Ft.	3262

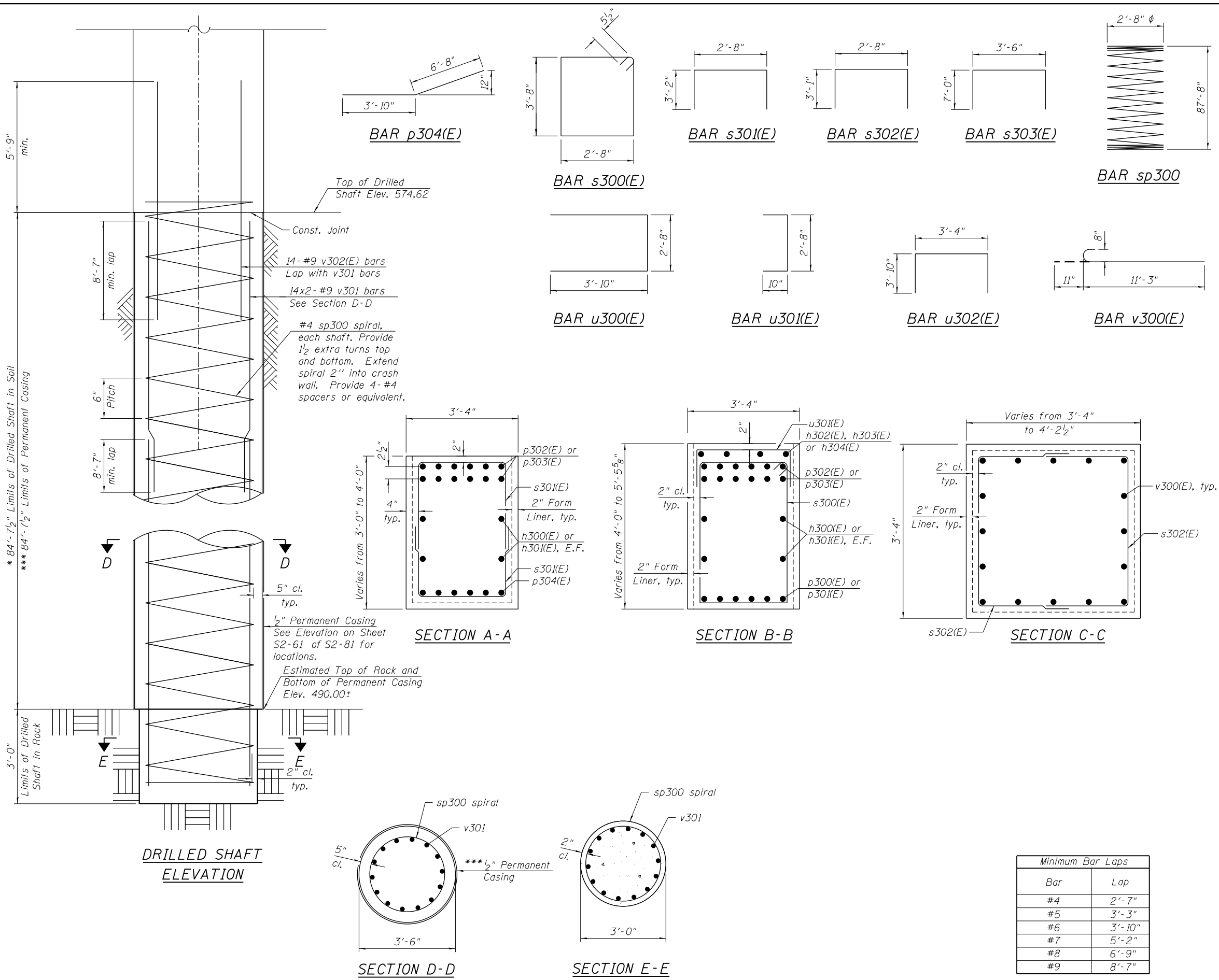
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Bars indicated thus 1x15 etc., indicates 1 line of bars with 15 lengths per line.

Notes:

- Apply concrete sealer to all exposed concrete surfaces of the pier.
- The quantities and reinforcement detailing are based on the top of shaft and the estimated top of rock elevations shown and may change based on the actual top of rock encountered at each shaft and the final top of shaft elevation.
- Length is height of spiral.
- Contractor may need to increase the casing thickness to withstand the installation process. The Estimated Top of Rock/Bottom of Permanent Casing Elevation is shown. The limits of casing shall be adjusted as necessary, and as approved, such that the actual installed casing length extends to the as-encountered top of rock at each shaft. See Article 516.06(d) of the Standard Specifications.

Bar	Lap
#4	2'-7"
#5	3'-3"
#6	3'-10"
#7	5'-2"
#8	6'-9"
#9	8'-7"



* 84'-7 1/2" Limits of Drilled Shaft in Soil
 *** 84'-7 1/2" Limits of Permanent Casing

5" cl. typ.
 1/2" Permanent Casing
 See Elevation on Sheet S2-61 of S2-81 for locations.
 Estimated Top of Rock and Bottom of Permanent Casing Elev. 490.00±

DRILLED SHAFT ELEVATION

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USER NAME = rlschultz	DESIGNED - JRM	REVISED
PLOT SCALE = 0:1.0000 ' / in.	CHECKED - MDS	REVISED
PLOT DATE = 9/15/2013	DRAWN - RLS	REVISED
	CHECKED - JRM	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**PIER 2 DETAILS
 STRUCTURE NO. 016-1716**

SHEET NO. S2-62 OF S2-81 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2013-008R	COOK	559	422
CONTRACT NO.			60W26	
ILLINOIS FED. AID PROJECT				