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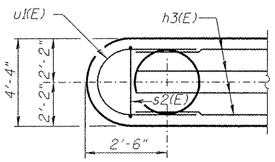
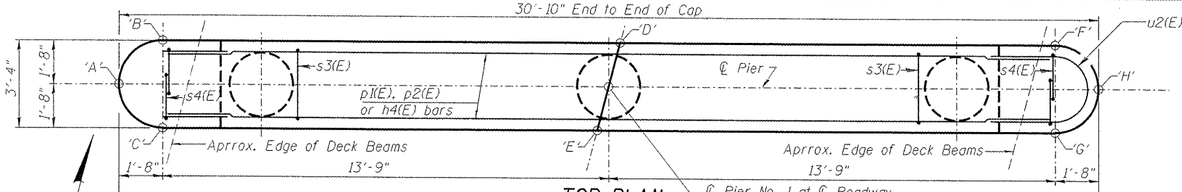


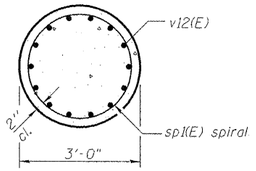
SECTION D-D



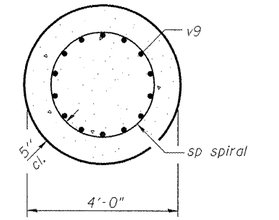
TOP PLAN

ELEVATIONS TOP of CAP

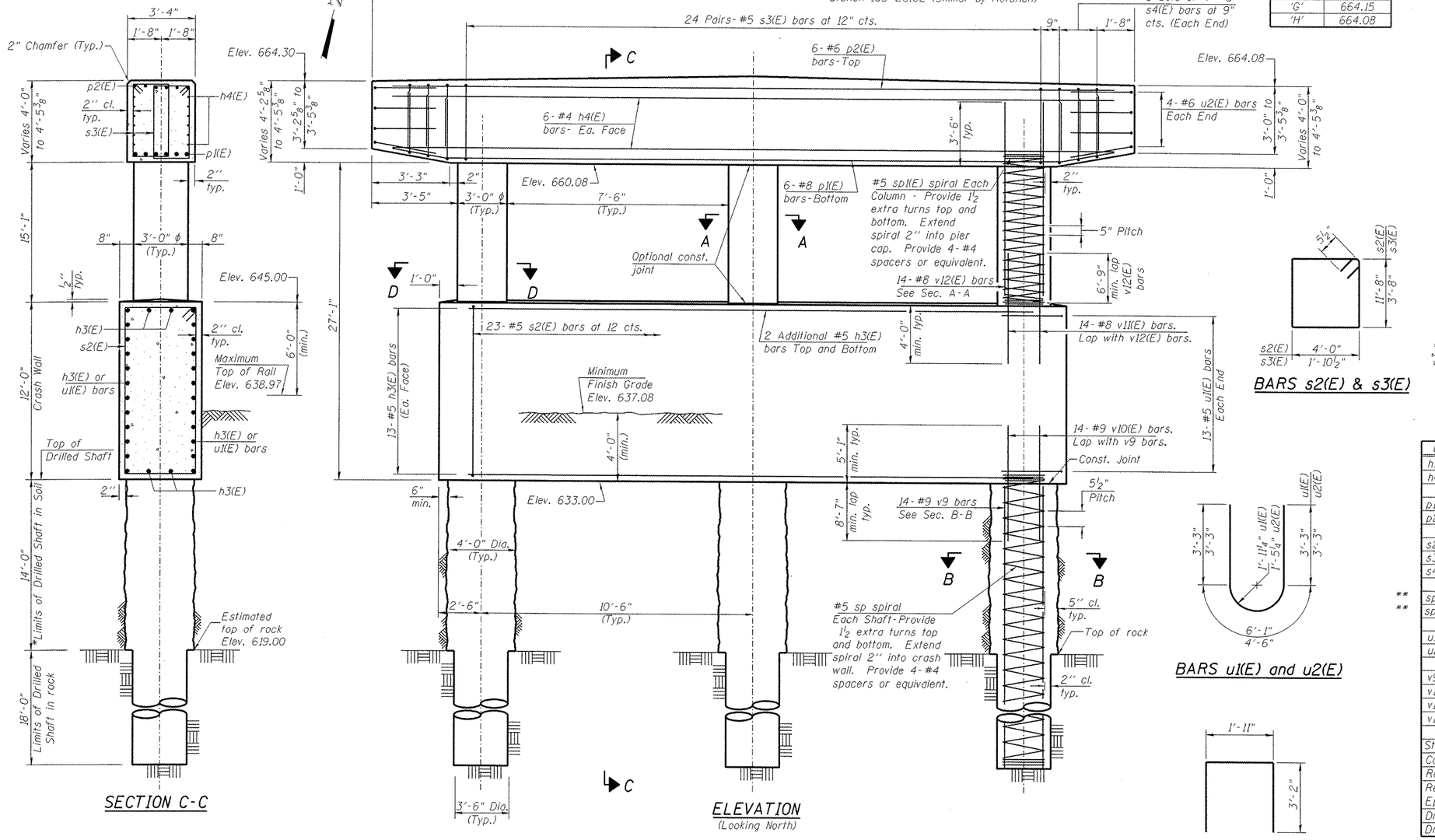
Point	Elevation
'A'	664.30
'B'	664.27
'C'	664.36
'D'	664.46
'E'	664.53
'F'	664.10
'G'	664.15
'H'	664.08



SECTION A-A



SECTION B-B



SECTION C-C

ELEVATION
(Looking North)

BARS s2(E) & s3(E)

BAR p1(E)

BARS u1(E) and u2(E)

BAR s4(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	30	#5	21'-8"	
h4(E)	12	#4	27'-6"	
p1(E)	6	#8	27'-6"	
p2(E)	6	#6	27'-6"	
s2(E)	23	#5	32'-3"	
s3(E)	48	#5	12'-0"	
s4(E)	24	#5	8'-3"	
sp	3	#5	32'-2"	
sp1(E)	3	#5	15'-3"	
u1(E)	26	#5	12'-7"	
u2(E)	8	#6	11'-0"	
v9	42	#9	31'-10"	
v10(E)	42	#9	13'-8"	
v11(E)	42	#8	10'-9"	
v12(E)	42	#8	18'-7"	
Structure Excavation		Cu. Yd.	38	
Concrete Structures		Cu. Yd.	75.7	
Reinforcement Bars		Pound	6880	
Reinforcement Bars, Epoxy Coated		Pound	9960	
Drilled Shaft in Soil		Cu. Yd.	19.5	
Drilled Shaft in Rock		Cu. Yd.	19.2	

** Sp
** sp1(E)

Cast steps monolithically with cap.
Space cap reinforcement to miss dowel bars.
Minimum lap for spirals = 3'-9" (#5 epoxy coated)
2'-6" (#5 uncoated)

** Length is height of spiral.

* 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.

FILE NAME =	USER NAME =	DESIGNED - MNM	REVISED -
		CHECKED - JGT	REVISED -
	PLOT SCALE =	DRAWN - Rod	REVISED -
	PLOT DATE =	CHECKED - TEH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER NO. 1
STRUCTURE NO. 048-9927
SHEET NO. 10 OF 15 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 176	05-15103-00-BR	KNOX	97	36
		CONTRACT NO. 89429		
	ILLINOIS	FED. AID PROJECT	BROS 0095 128	