

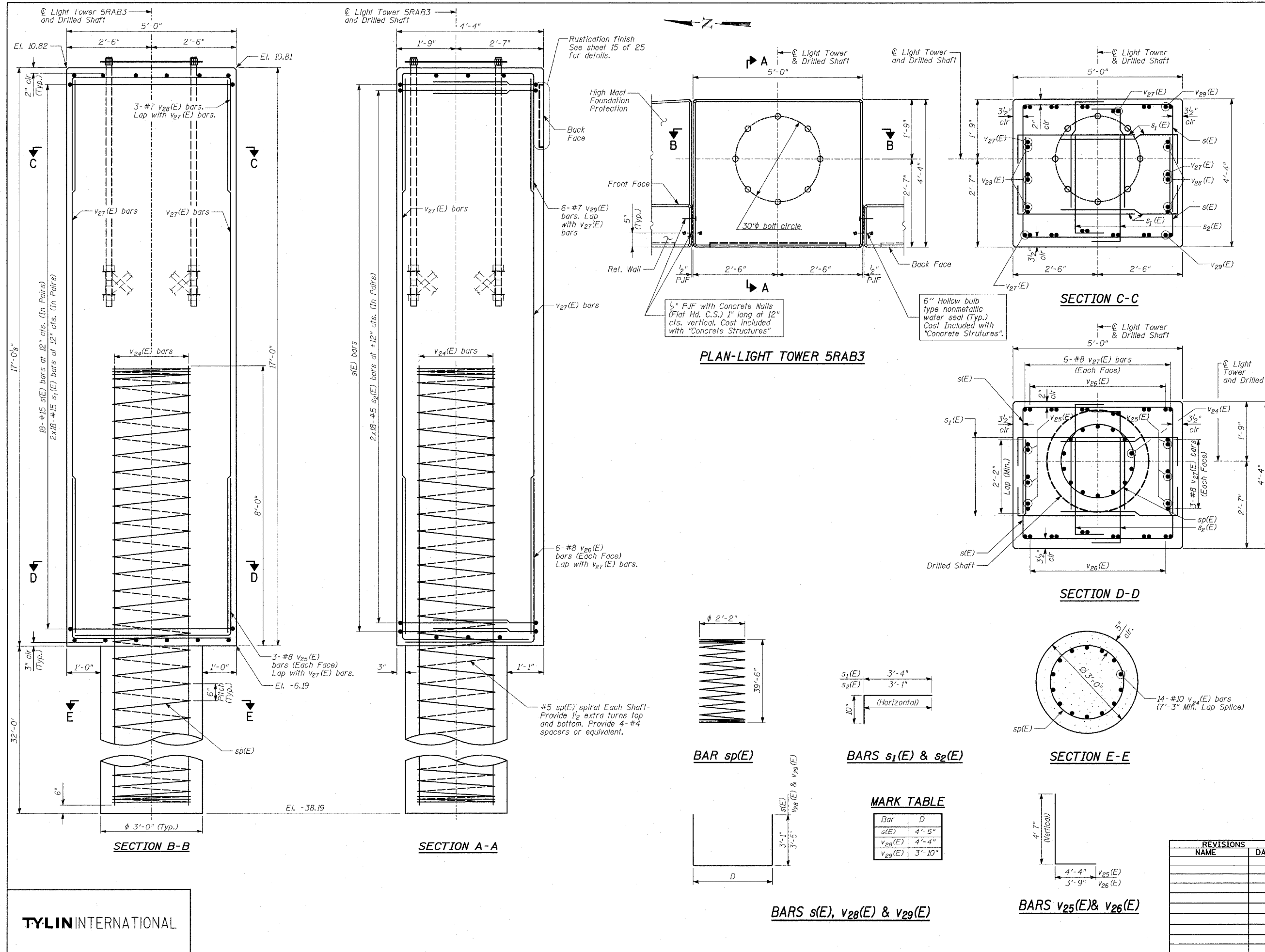
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
s(E)	36	#5	10'-7"	┌
s ₁ (E)	72	#5	4'-2"	┌
s ₂ (E)	72	#5	3'-11"	┌
sp(E)	1	#5	39'-6"	
v ₂₄ (E)	14	#10	39'-6"	—
v ₂₅ (E)	6	#8	8'-11"	┌
v ₂₆ (E)	12	#8	8'-4"	┌
v ₂₇ (E)	18	#8	16'-6"	—
v ₂₈ (E)	3	#7	11'-2"	┌
v ₂₉ (E)	6	#7	10'-8"	┌
Reinforcement Bars, Epoxy Coated			POUND	5,370
Structure Excavation			CU YD	22
Concrete Structures			CU YD	14
Protective Coat			SQ YD	20
Rustication Finish			SQ FT	8
Drilled Shaft in Soil 36"			FOOT	32

Reinforcement bars designated (E) shall be epoxy coated.

NOTES:

- The design loads are based on AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals-2001.
- Drilled shafts shall be installed according to IDOT special provisions for "Drilled Shafts".
- Protective Coat shall be applied to exposed surfaces of the new concrete wall and tower base.
- At all locations where reinforcement bar laps are not in direct contact, the Contractor shall provide sufficient spacing between the vertical bars, equal to the size of the largest concrete aggregate plus 1/2 inch.
- For location of drilled shaft, see Sheet 5 of 25.
- Conduit is not shown for clarity. For location of conduit, see Sheet 12 of 25.
- Cost of anchor rod assembly, conduit and wires for grounding are included with "Concrete Structures".
- Minimum lap for spirals = 2'-6"



MARK TABLE

Bar	D
s(E)	4'-5"
v ₂₈ (E)	4'-4"
v ₂₉ (E)	3'-10"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG LAFAYETTE AVE.
77TH PL. TO 78TH ST.
WALL 73A - LIGHT TOWER 5RAB3
FOUNDATION DETAILS

S.N. 016-W972
 SCALE: N.T.S.
 DATE: MARCH 25, 2005

DESIGNED BY: TD, MAF
 DRAWN BY: MAF, DJR
 CHECKED BY: MI, TD