

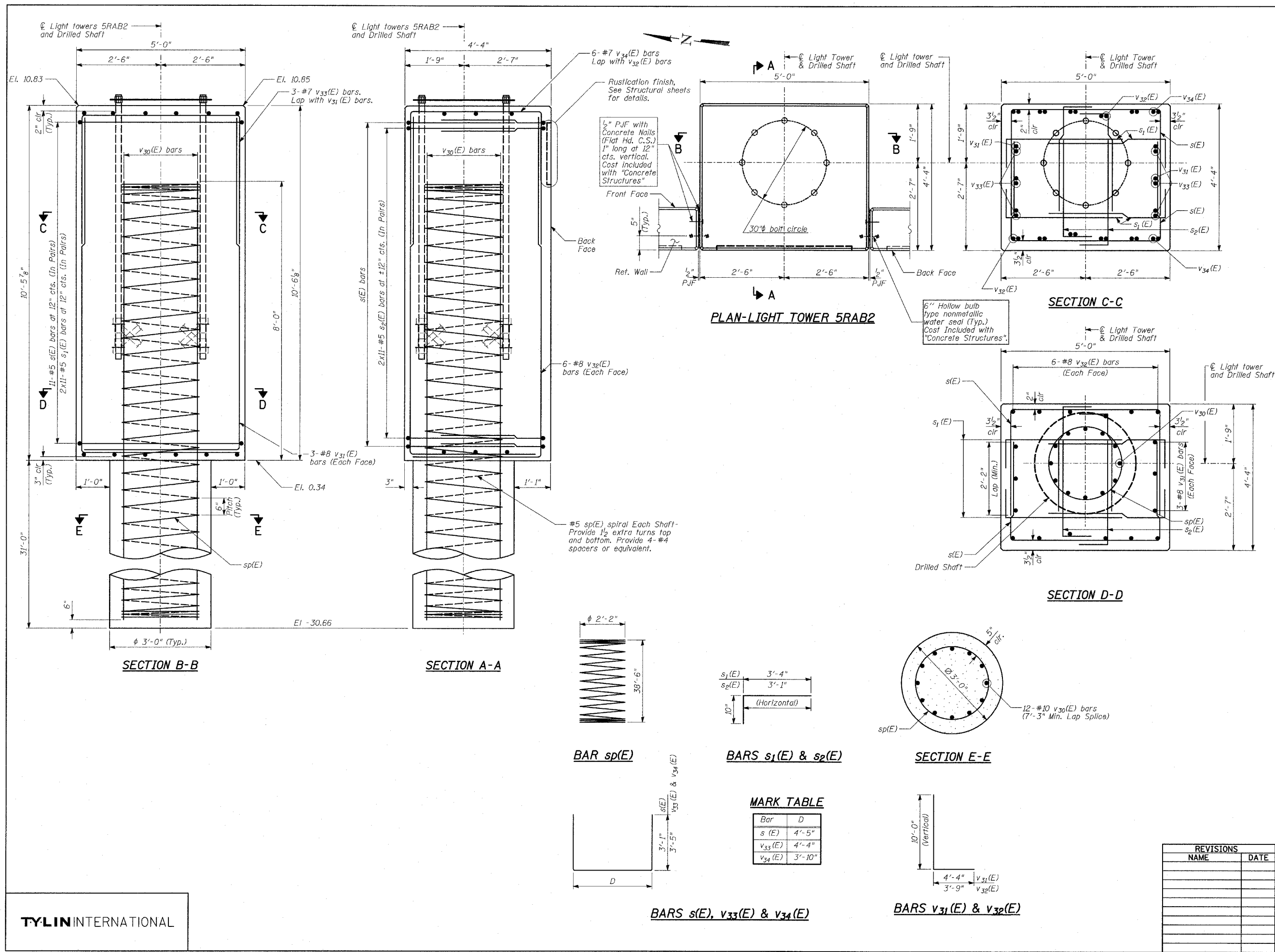
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
s(E)	22	#5	10'-7"	L
s ₁ (E)	44	#5	4'-2"	L
s ₂ (E)	44	#5	3'-11"	L
sp(E)	1	#5	38'-6"	
v ₃₀ (E)	12	#10	38'-6"	—
v ₃₁ (E)	6	#8	14'-4"	L
v ₃₂ (E)	12	#8	13'-9"	L
v ₃₃ (E)	3	#7	11'-2"	L
v ₃₄ (E)	6	#7	10'-8"	L
Reinforcement Bars, Epoxy Coated		POUND	4,050	
Structure Excavation		CU YD	12	
Concrete Structures		CU YD	9	
Protective Coat		SQ YD	11	
Rustication Finish		SQ FT	8	
Drilled Shaft in Soil 36"		FOOT	31	

Reinforcement bars designated (E) shall be epoxy coated.

NOTES:

- The design loads are based on AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminares 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 2 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"



TYLIN INTERNATIONAL

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 73B
 LIGHT TOWER 5RAB2 FOUNDATION DETAILS
 S.N. 016-W
 SCALE: N.T.S.
 DATE: MARCH 25, 2005

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