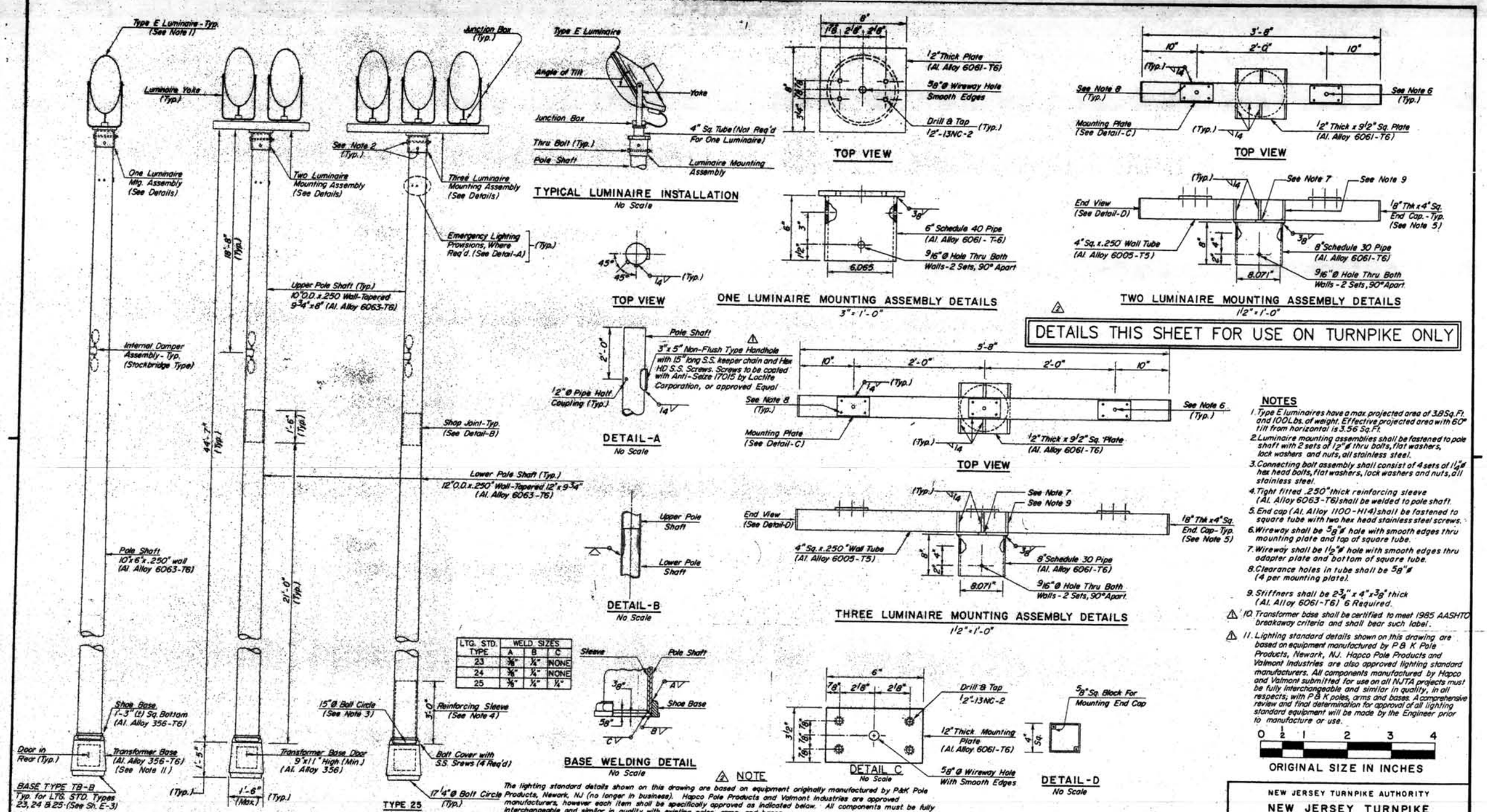

LTG. STD. TYPE	WELD SIZES A	B	C
23	⅜"	¼"	NONE
24	⅜"	¼"	NONE
25	⅜"	¼"	¼"

NOTES

1. Type E luminaires have a max. projected area of 3.8 Sq. Ft. and 100 Lbs. of weight. Effective projected area with 60° tilt from horizontal is 3.56 Sq. Ft.
2. Luminaire mounting assemblies shall be fastened to pole shaft with 2 sets of ½"ø thru bolts, flat washers, lock washers and nuts, all stainless steel.
3. Connecting bolt assembly shall consist of 4 sets of 1¼"ø hex head bolts, flat washers, lock washers and nuts, all stainless steel.
4. Tight fitted .250" thick reinforcing sleeve (Al. Alloy 6063-T6) shall be welded to pole shaft.
5. End cap (Al. Alloy 1100-H14) shall be fastened to square tube with two hex head stainless steel screws.
6. Wireway shall be ⅝"ø hole with smooth edges thru mounting plate and top of square tube.
7. Wireway shall be ½"ø hole with smooth edges thru adapter plate and bottom of square tube.
8. Clearance holes in tube shall be ⅝"ø (4 per mounting plate).
9. Stiffners shall be 2¾" x 4" x ⅜" thick (Al. Alloy 6061-T6) 6 Required.
10. Transformer base shall be certified to meet 1985 AASHTO breakaway criteria and shall bear such label.
11. Lighting standard details shown on this drawing are based on equipment manufactured by P & K Pole Products, Newark, NJ. Hapco Pole Products and Valmont Industries are also approved lighting standard manufacturers. All components manufactured by Hapco and Valmont submitted for use on all NJTA projects must be fully interchangeable and similar in quality, in all respects, with P & K poles, arms and bases. A comprehensive review and final determination for approval of all lighting standard equipment will be made by the Engineer prior to manufacture or use.

0 ½ 1 2 3 4

ORIGINAL SIZE IN INCHES

NOTE

The lighting standard details shown on this drawing are based on equipment originally manufactured by P&K Pole Products, Newark, NJ (no longer in business). Hapco Pole Products and Valmont Industries are approved manufacturers, however each item shall be specifically approved as indicated below. All components must be fully interchangeable and similar in quality with existing poles, arms, and bases.

This drawing is not intended as a fabrication document. The details shown herein indicate the intent, quality, character and critical features of the design which shall be maintained by all vendors and fabricators. As required by the Specifications, the Contractor shall submit design calculations, signed and sealed by a Professional Engineer, and a letter from the same undersigning engineer certifying that all lighting standard components meet the requirements of the most recent edition of AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals. These calculations and certifications shall be submitted for every type of Lighting Standard used on each Project. A comprehensive review and final determination for approval of all lighting standard equipment will be made by the Engineer prior to manufacture or use.

APP.	NO.	DATE	REVISION
	4	3-07	REVISED FABR. NOTES, ADDED TURNPIKE ONLY REQ.
	3	2-98	REPLACED NOTES 10 - 12 WITH NEW NOTES 10 & 11
		12/96	REISSUED

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE

46 FT. LIGHTING STANDARDS

HOWARD NEEDLES TAMMEN & BERGENDOFF
330 Passaic Ave., Fairfield, New Jersey
JOHN M. ORMAN
N.J.P.E. License No. GE 39691

STANDARD DRAWING
E-4