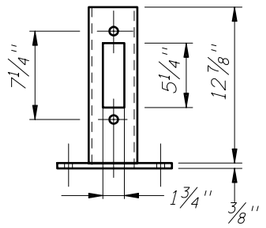
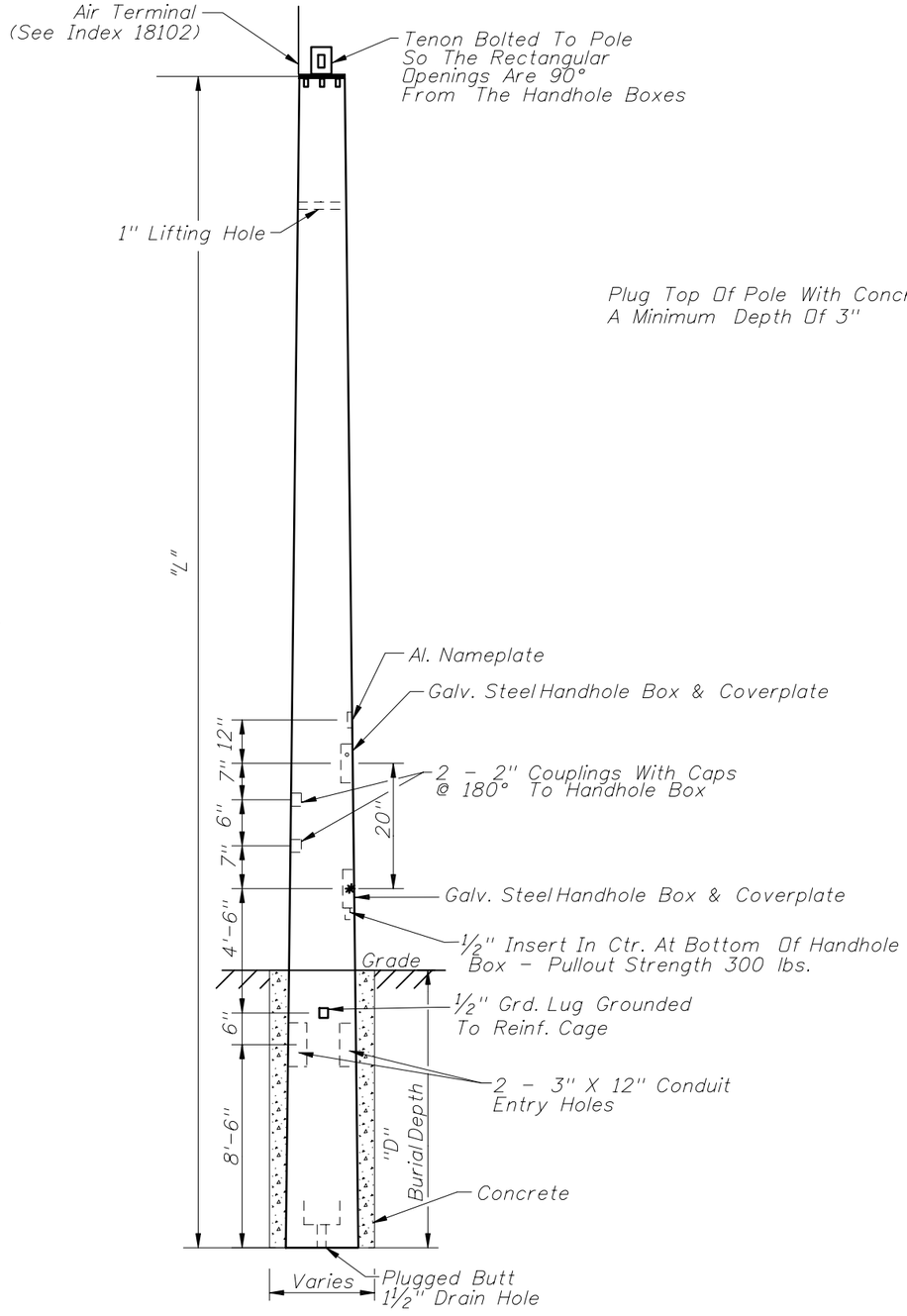
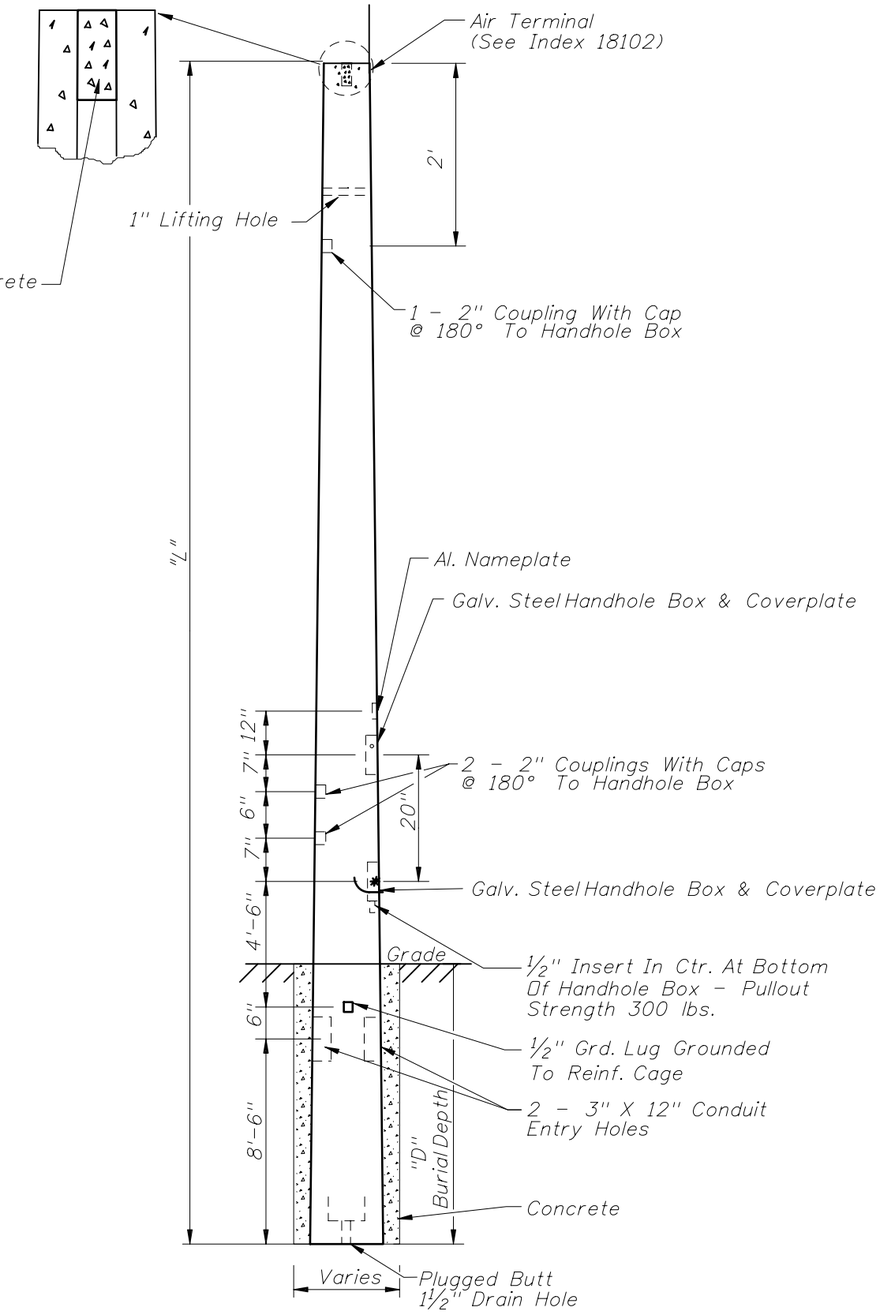


TENON DETAIL



WITH LOWERING DEVICE



WITHOUT LOWERING DEVICE

Not To Scale

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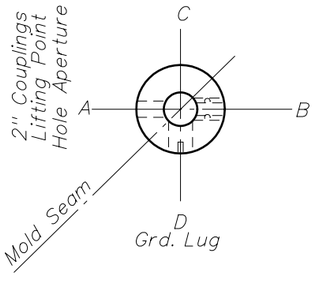
SPECIFICATIONS:

Pole Top:	8¼" Dia.
Pole Butt:	(0.18 X L) + 8 ¼"
Pole Taper:	0.18 in./ft.
Pole Length:	"L" See Chart
Pole Weight:	"W" See Chart
Defl Spec:	1" Max. In 30 mph (Nongust)
Max. Camera EPA:	5.60 Sq. Ft. Total
Max. Camera Wgt:	240 lbs. Total

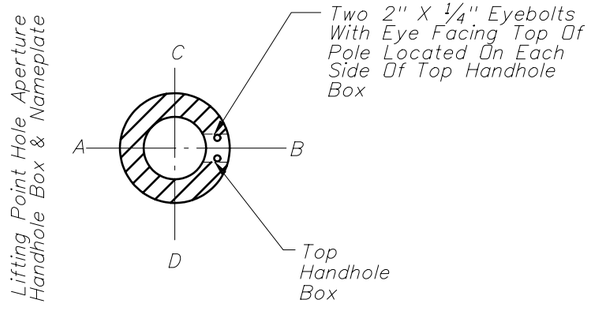
"L"	Pole Class	"W"
25'	G	2,016 lbs.
30'	G	2,571 lbs.
35'	G	3,179 lbs.
41'	G	3,978 lbs.
46'	G	4,691 lbs.
52'	G	5,630 lbs.
57'	G	6,444 lbs.
63'	G	7,494 lbs.
70'	G	8,750 lbs.
75'	G	9,739 lbs.
80'	J	11,000 lbs.
85'	J	12,113 lbs.
90'	J	13,278 lbs.

GENERAL NOTES:

1. All cables shall be run in conduit to prevent them from interfering with or being damaged by the lowering cable that moves within the pole.
2. Lowering arm shall be mounted perpendicular to the roadway or as directed by the Engineer. The CCTV pole shall be positioned so that the dome enclosure can be safely lowered without requiring lane closures.
3. Pole shall include lowering device which includes top J-box, mounting hardware, lowering cable, contact block, waterproof electrical connectors, camera J-box, housing and concrete pole.
4. Design Criteria: Designed in accordance with the 2001 AASHTO Standard Specifications For Structural Supports For Highway Signs, Luminaires and Traffic Signals.
5. The contractor shall submit shop drawings and capacity calculations for the design of proposed poles, signed and sealed by a Professional Engineer licensed in the State of Florida, to the Engineer for review and approval.
6. Burial depth "D" and concrete foundation by engineering design. All designs, drawings, and calculations submitted must be signed and sealed by a Professional Engineer licensed in the State of Florida.



TOP VIEW



SECTIONAL VIEW
THROUGH TOP
HAND HOLE BOX

Not To Scale

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