

PRELIMINARY FOUNDATION AND POLE ASSEMBLY DRAWING

TABLE 1: POLE ASSEMBLY

POLE ID	POLE HEIGHT ft (m)	# OF LUMINAIRES	ASSEMBLED POLE WEIGHT ³ lb (kg)
S47	70 (21.3)	6	2930 (1329)
S48	70 (21.3)	6	2930 (1329)
S49	70 (21.3)	12	3935 (1785)
S50	70 (21.3)	12	3935 (1785)
S51	70 (21.3)	8	3495 (1585)
S52	70 (21.3)	8	3495 (1585)

Pole Assembly Notes:

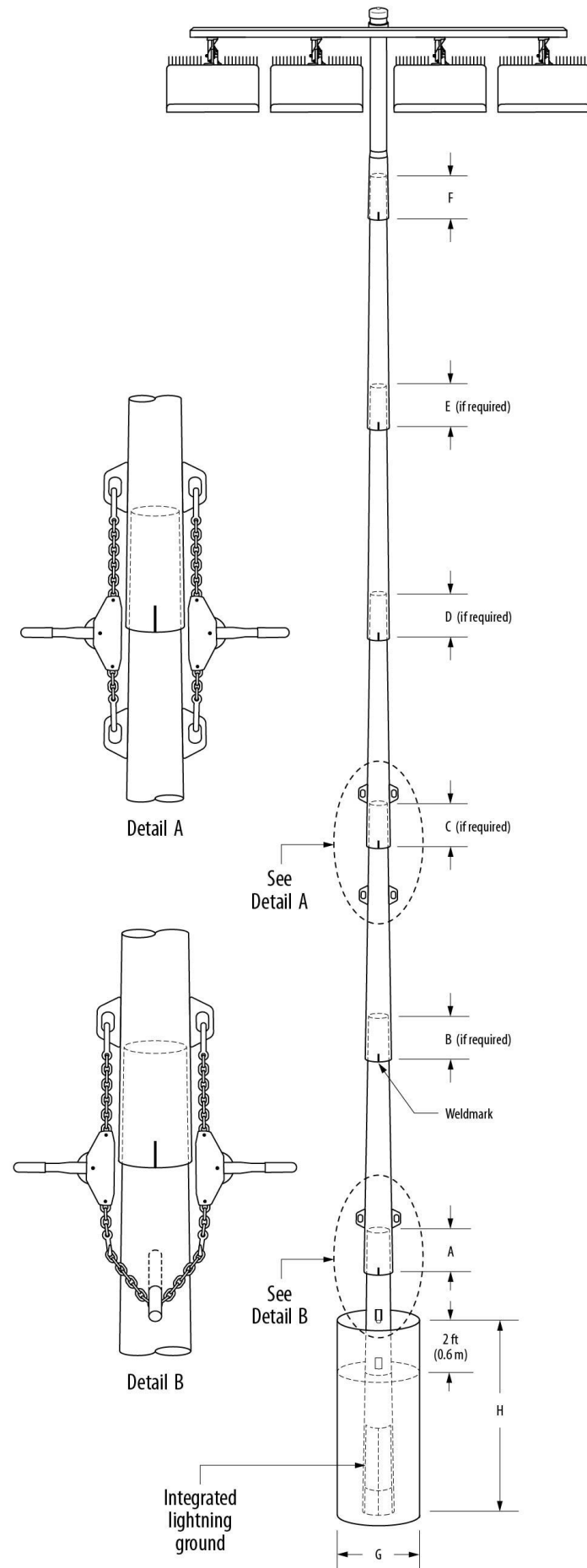
1. Steel pole should overlap concrete base and be seated tight with 1 1/2 ton come-alongs (contractor provided).
2. Align weldmarks on steel sections before assembling.
3. Assembled pole weight includes steel sections, crossarms, luminaires, and electrical components enclosures. If pole has stamped structural design then use pole weight (listed as vertical force) on stamped structural design document.
4. Section overlap must be pulled together until tight. Overlap measurement should be +/- 6 in (150 mm).
5. This document is not intended for use as an assembly instruction. See *Installation Instructions: Light-Structure System™ Lighting System* for complete assembly procedure.

TABLE 2: FOUNDATION DETAILS

POLE ID	CONCRETE BASE WEIGHT lb (kg)	BURIAL INFORMATION ^{3,4}		CONCRETE BACKFILL ^{1,2} yd ³ (m ³)	CUT BASE	LIGHTNING GROUND ⁵	
		G in (mm)	H ft (m)			TYPE	SUPPLEMENTAL INSTRUCTION
S47	5250 (2381)	30 (762)	16 (4.9)	1.6 (1.2)	NO	INTEGRATED ⁶	N/A
S48	5250 (2381)	30 (762)	16 (4.9)	1.6 (1.2)	NO	INTEGRATED ⁶	N/A
S49	7630 (3461)	36 (914)	18 (5.5)	2.8 (2.2)	NO	INTEGRATED ⁶	N/A
S50	7630 (3461)	36 (914)	18 (5.5)	2.8 (2.2)	NO	INTEGRATED ⁶	N/A
S51	7630 (3461)	36 (914)	18 (5.5)	2.8 (2.2)	NO	INTEGRATED ⁶	N/A
S52	7630 (3461)	36 (914)	18 (5.5)	2.8 (2.2)	NO	INTEGRATED ⁶	N/A

Foundation Notes:

1. Concrete backfill is calculated to 2 ft (0.6m) below grade (no overage included). Top 2 ft (0.6m) to be class 5 soil compacted to 95% density of surrounding undisturbed soil unless otherwise specified in stamped structural design.
2. Concrete backfill required 3000 lb/in² (20 MPa) minimum.
3. Foundation design per 2021 IBC, 160 mph, exposure category C, variation STD (Risk Category II).
4. Assumes IBC class 5 soils.
5. Standard bases include integrated lightning protection. If bases are cut, supplemental lightning protection is required. Contact Musco for materials and instruction.
6. Lightning protection is a manufacturer installed concrete encased electrode and connector. Ground connection is made when concrete base is installed and footing is poured. No additional steps required.



R60-62-00-en04-01_B

Foley Soccer Complex Phase 2 - Foley, AL, USA

Date: 04/05/2024

Scale: Not to Scale

Representative: Jimmy Jumper

Page: 1 of 1

Project: 227800

PRELIMINARY

