

EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	0'	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-600	3	3	0
1	A2	70'	0'	70'	TLC-LED-600	2	2	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-900	1	1	0
1	B1	70'	0'	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-900	5	5	0
1	C1	70'	0'	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-900	4	4	0
1	C2	70'	0'	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-900	4	4	0
5	TOTALS					24	24	0

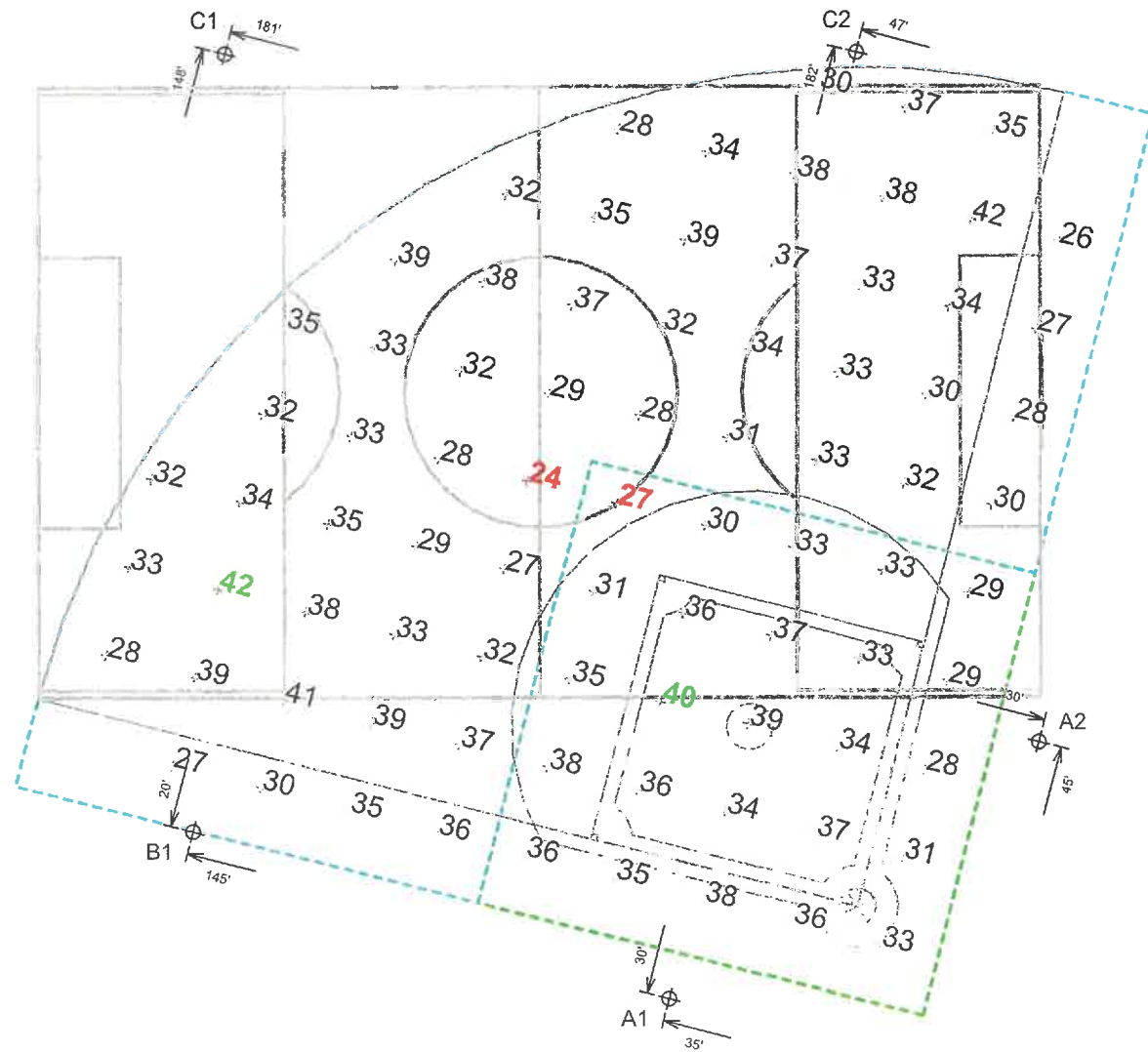
Village Christian School Multi-Purpose Field
Sun Valley, CA

GRID SUMMARY	
Name:	Softball
Size:	185'/185'/185' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	30	30
Scan Average:	33.85	33.31
Maximum:	40	42
Minimum:	27	24
Avg / Min:	1.23	1.37
Guaranteed Max / Min:	2.5	2.5
Max / Min:	1.45	1.73
UG (adjacent pts):	1.25	1.60
CU:	0.58	
No. of Points:	25	56

LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	89,600 / 65,600 / 52,000 lumens		
No. of Luminaires:	24		
Total Load:	18.24 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-900	>81,000	>81,000	>81,000
TLC-LED-600	>81,000	>81,000	>81,000
TLC-BT-575	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.



Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EXHIBIT "A"
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ILLUMINATION SUMMARY



Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗

PRELIMINARY FOUNDATION AND POLE ASSEMBLY DRAWING

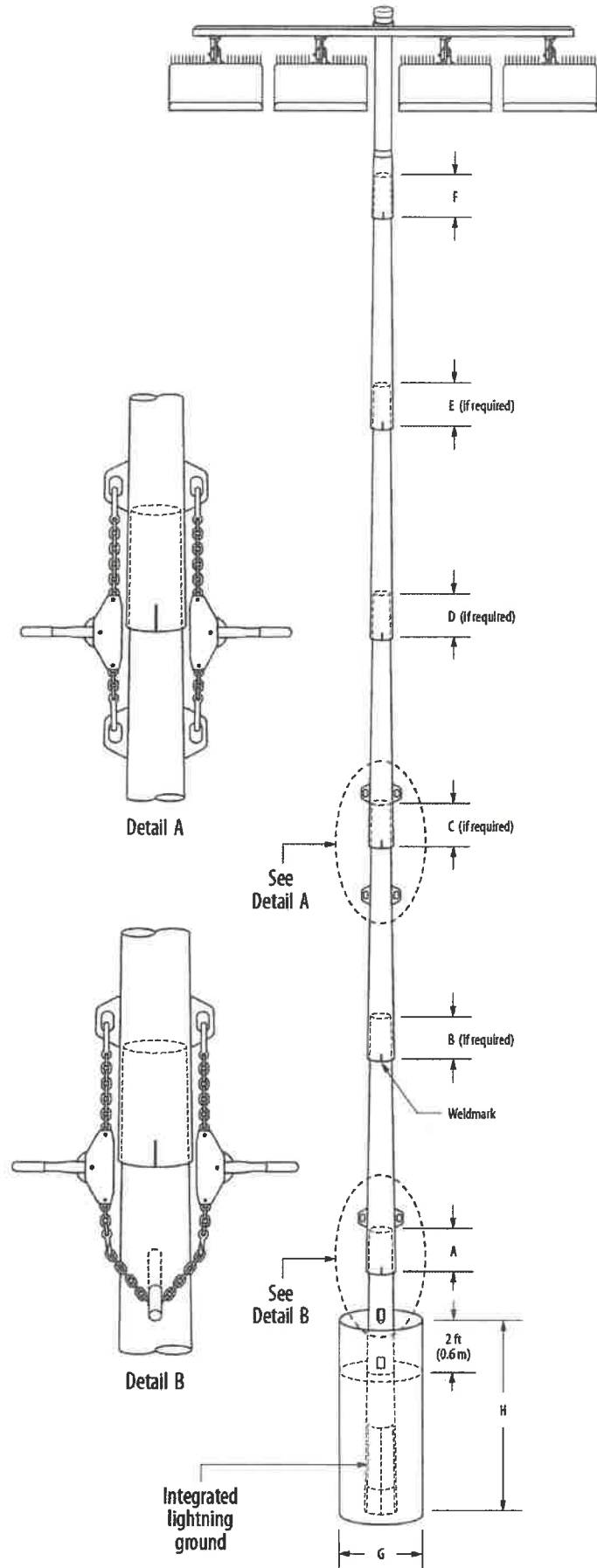


TABLE 1: POLE ASSEMBLY

POLE ID	POLE HEIGHT ft (m)	# OF LUMINAIRES	ASSEMBLED POLE WEIGHT ³ lb (kg)
A1	70 (21.3)	4	1431 (649)
A2	70 (21.3)	4	1440 (653)
B1	70 (21.3)	6	1786 (810)
C1	70 (21.3)	5	1542 (699)
C2	70 (21.3)	5	1542 (699)

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
A1	2720 (1234)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED ⁶	N/A
A2	2720 (1234)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED ⁶	N/A
B1	2770 (1256)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED ⁶	N/A
C1	2720 (1234)	30 (762)	12 (3.7)	1.5 (1.1)	NO	INTEGRATED ⁶	N/A
C2	2720 (1234)	30 (762)	12 (3.7)	1.5 (1.1)	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 2016 CBC, 110 mph, exposure category C, variation STD.
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.

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R60-62-00-en04-01_B

Village Christian School Multi-purpose Field - Sun Valley, CA, USA

Date: 09/14/2023
 Representative: Nicholas Cobb
 Project: 203628

Scale: Not to Scale
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 PRELIMINARY

