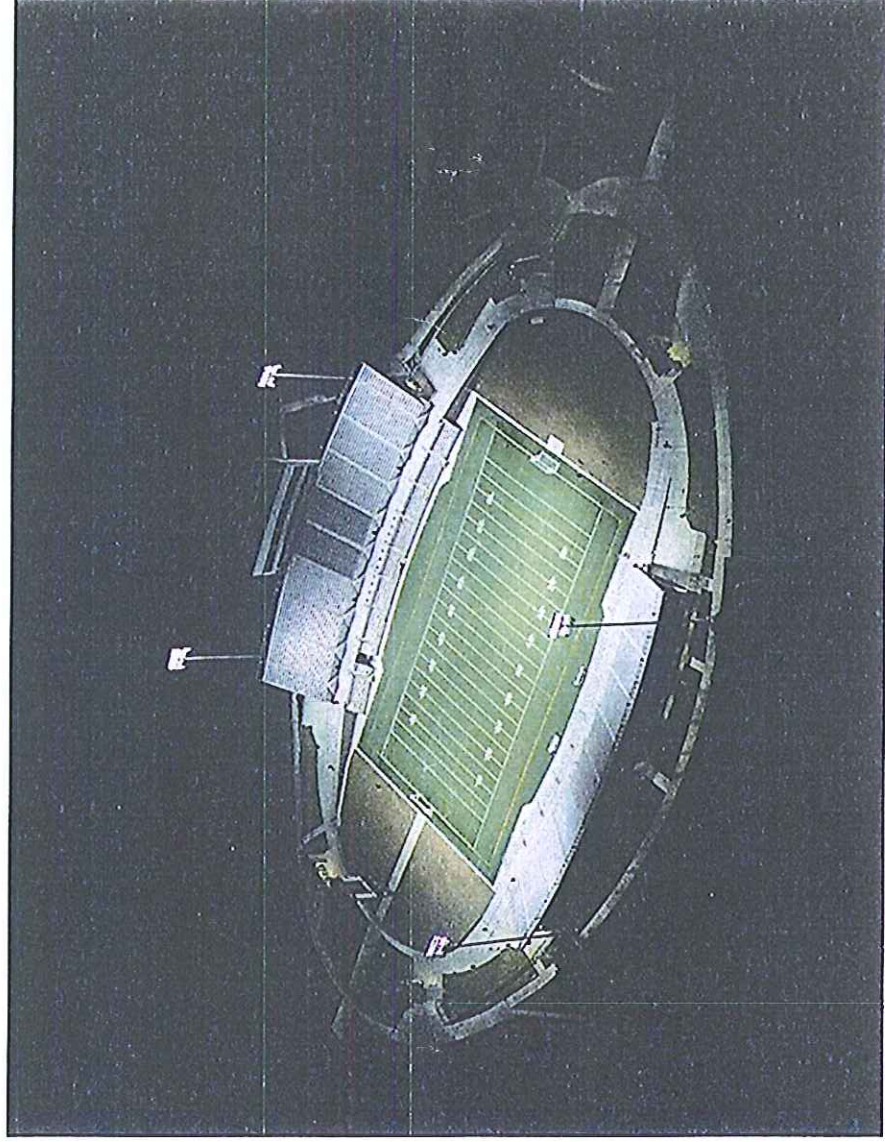
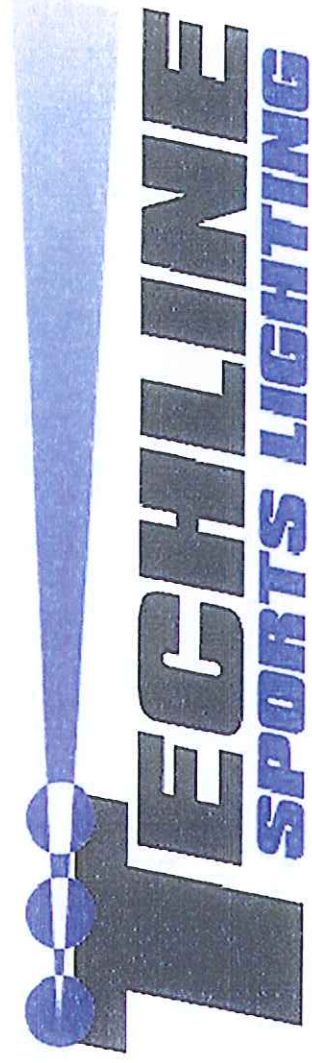
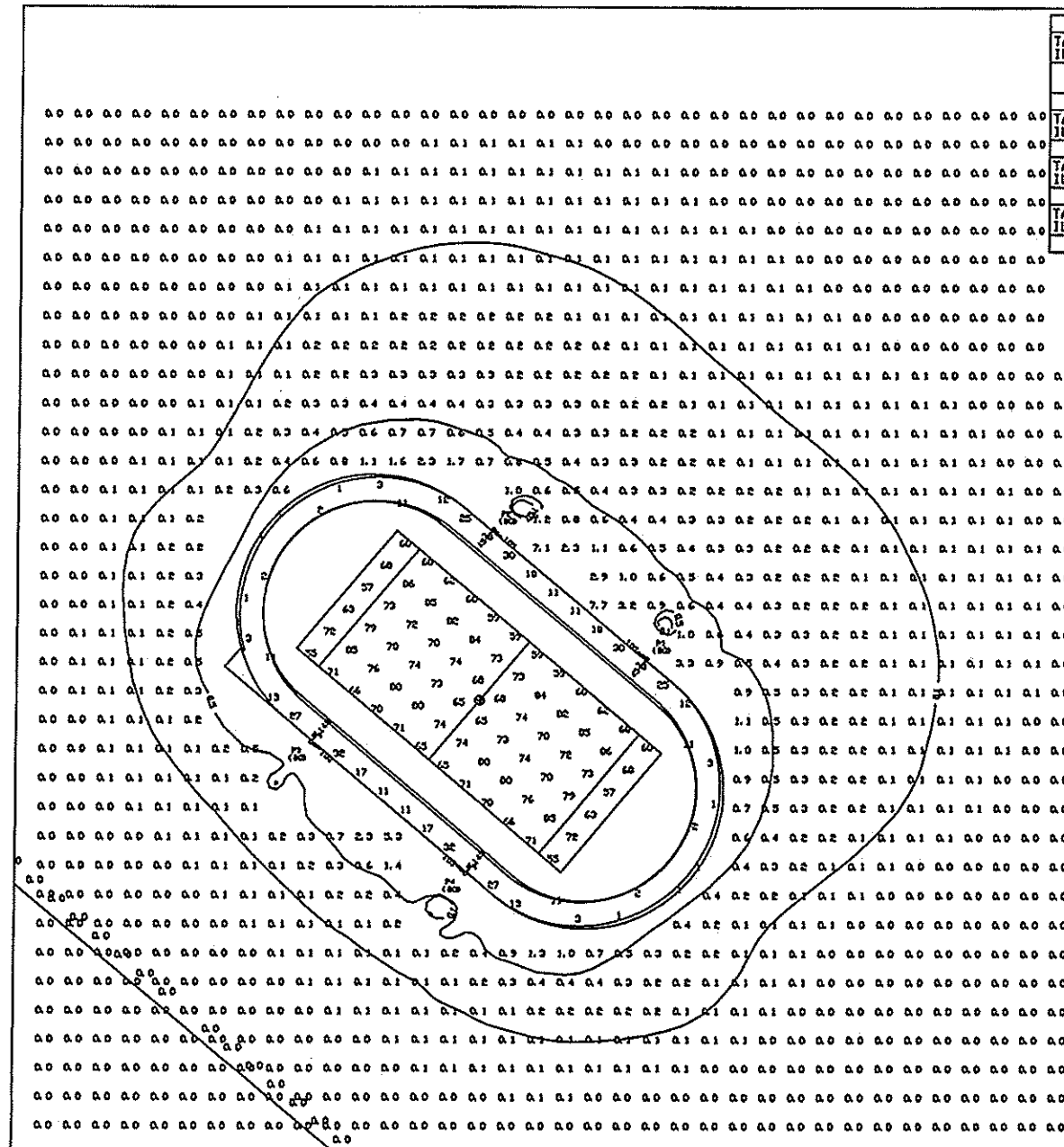




Fellowship Christian School Football Stadium

Submittals

Prepared By: Rodney Hawthorne
7/12/11

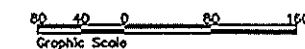


ILLUMINANCE SUMMARY										
TARGET PLANE: X-Y (HORIZ.) AT Z = 3.00'										
ILLUMINANCE: HORIZONTAL FC										
GRID NAME	NO. POINTS	AVG	MAX	MIN	A/H	M/H	UG	CV	GRID SIZE X Y	
FB	72	70.8	86.3	55.1	1.28	1.57	1.43	0.12	30' 30'	
TARGET: SPILL GRID AT Z = 3.0'										
ILLUMINANCE: HORIZONTAL FC										
TRACK	44	14.3	44.3	0.9	16.25	50.23	3.61	0.89	30' 30'	
TARGET: SPILL GRID AT Z = 3.0'										
ILLUMINANCE: HORIZONTAL FC										
SPILL PROPERTY LINE-HOR	49	0.0	0.0	0.0	+INF	+INF	1.17	0.49	30' 30'	
TARGET PLANE: X-Y (HORIZ.) AT Z = 3.00'										
ILLUMINANCE: HORIZONTAL FC										
EXTENDED SPILL	1084	0.2	7.7	0.0	+INF	+INF	6.11	2.89	30' 30'	

LUMINAIRE SUMMARY							
GRID	TYPE	CATALOG NUMBER	TEST NUMBER	INITIAL LUMENS	LLF	Q'TY	AVG. TILT
ALL	A	TSL1500NSCV	TSL2508	180000	0.76	24	1.00
	B	TSL1500NSCV	TSL2509	180000	0.76	14	1.00
	D	TSL1500NV	TSL2511	180000	0.76	24	1.00
	E	TSL1500NV	TSL2512	180000	0.76	16	1.00
Total Luminaires/Combined Avg. Tilt							78 1.00

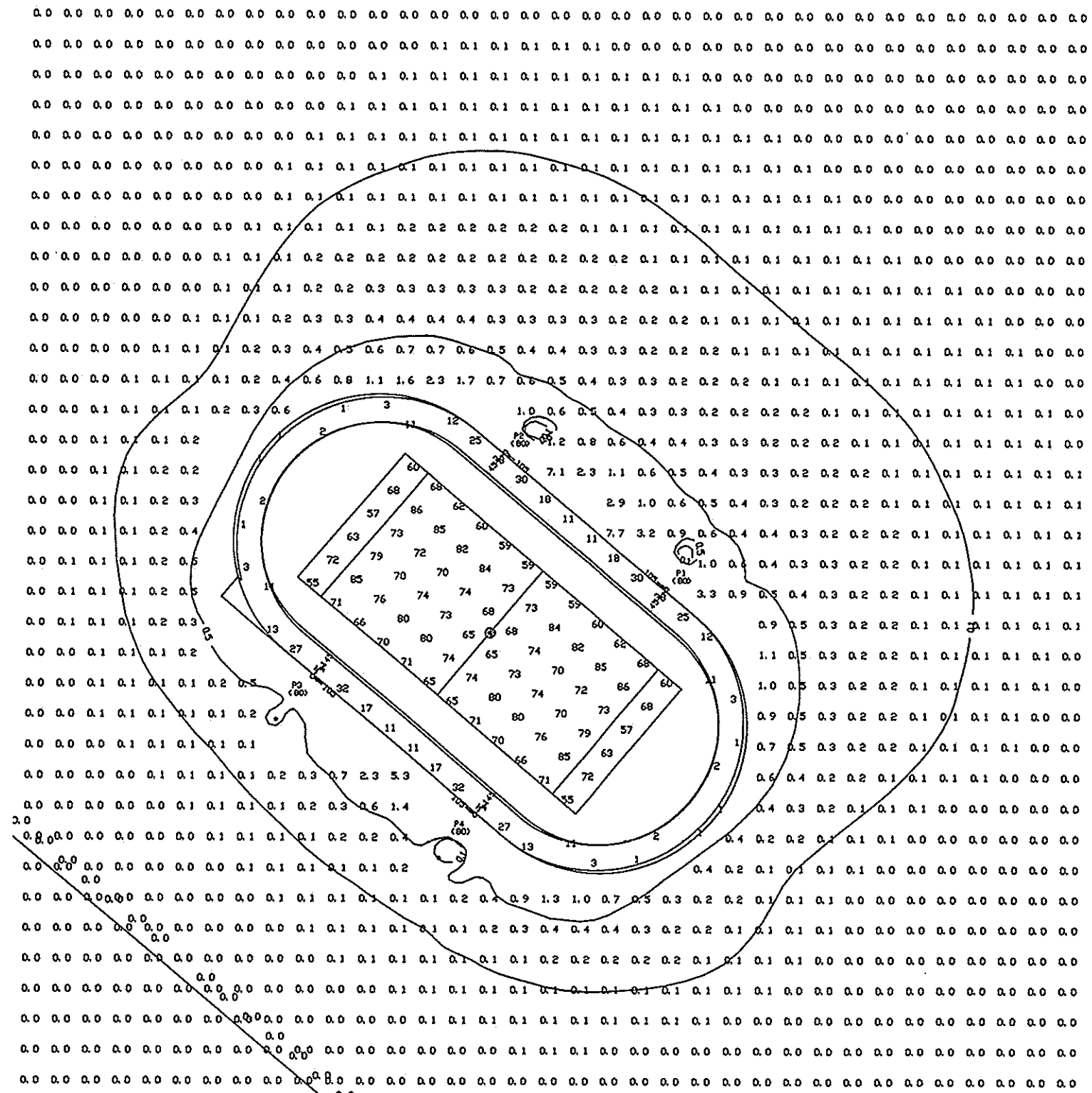
MOUNTING LOCATION SUMMARY								
MTG. LOC. LABEL (X, Y)	MTG. H. HT. (FEET)	Q'TY PER LOC.	KW LOAD	TYPE				
				A	B	C	D	E
P1 (-594, 799)	80.0	19	30.59	12	7	-	-	-
P2 (-755, 934)	80.0	19	30.59	12	7	-	-	-
P3 (-941, 712)	80.0	20	32.20	-	-	-	12	8
P4 (-780, 577)	80.0	20	32.20	-	-	-	12	8
TOTAL		78	125.58	24	14	-	24	16

M MOUNTING HEIGHTS MEASURED FROM PLAYING FIELD TO TOP CROSSARM
HTG. LOCATIONS (X,Y) ARE RELATIVE TO 0,0 AT



NOTES: 1. DIMENSIONS ARE IN FEET & ORIGINATE FROM EACH FIELD 1/2
2. MOUNTING HEIGHTS () ABOVE PLAYING SURFACE

FELLOWSHIP CHRISTIAN SCHOOL FOOTBALL STADIUM 70 FC AVERAGE MAINTAINED GLARE CONTROL FIXTURES		1153376F	TECHLINE LIGHTING & ELECTRIC 1999-2001
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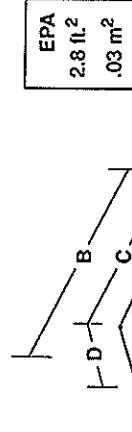
TECHLINE SPORTS LIGHTING

Integral Ballasted Luminaire
Horizontal Optics

TSL

Job	Fellowship Christian School - Football Stadium	Type	FB
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Dimensions

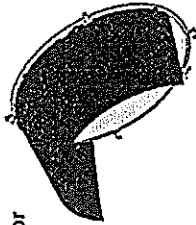


Integral Ballasted System Horizontal Optics

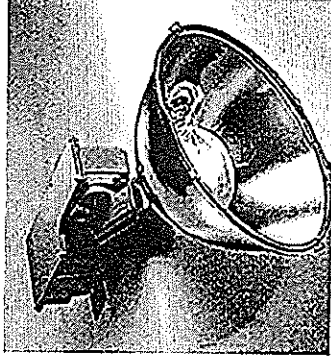
A	B	C	D	E
22.87"	35.75"	20.13"	8.75"	5.5"
579 mm	907 mm	511 mm	223 mm	140 mm

Note: Aimed 40° below horizontal

Optional Visor



Specifications



Housing

Die cast aluminum housing. Isolated die cast aluminum socket housing. Isolated ballast compartment. Isolated capacitor compartment. Isolated wiring chamber (maximum 90° input cord). Vertical aiming/repositioning memory. Horizontal aiming indicator. Polyester powder paint finish (gray).

Optics

Horizontal mounted lamp. Uses standard BT-56 lamps. Four point latching. Stainless steel lens ring. Stainless steel door hinge. Silicone gasketing. Tempered clear glass lens. Filtered optics. Front lamp support standard.

Installation

One captive mounting bolt (3/4" dia.) installed in fixture. Aiming sight included. Shipped assembled from factory. Single ballast cover plate for easy access.

Special Features

1g, 100,000 cycle vibration tested. Wind tunnel tested to 120 mph. Captive hardware. UL 1598 listed and CSA NRTL certified for 40°C ambient operation. Mogul socket, 4kv pulse rated, 600v rated. 100% factory electrically tested.

Ordering Information

Series	Watt	Optic Type	Voltage	Lamp	Options
TSL	1500	***	5	L	V

SERIES

TSL	Techline Sports Lighting
WATT	
1000	1000W
1500	1500W

OPTIC TYPE

N	Horizontal Narrow
M	Horizontal Medium
W	Horizontal Wide

VOLTAGE

5	480V
MT	Multi-TAP (120, 208, 240, 277V)

LAMP

L	Lamp (shipped separately)
OPTIONS	
HD ¹	Outer Hull
V ²	Visor

TSL SERIES ACCESSORY

- Hull adds lbs. to total weight.
- Shipped separately.



Slipfitter for 2" (2 3/8" OD) tenon

TSLSLIP

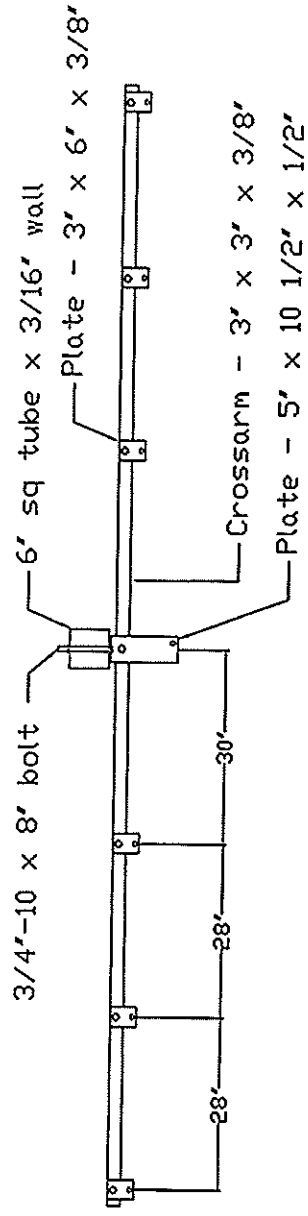
Comments *** Per photometric design# 1153376F



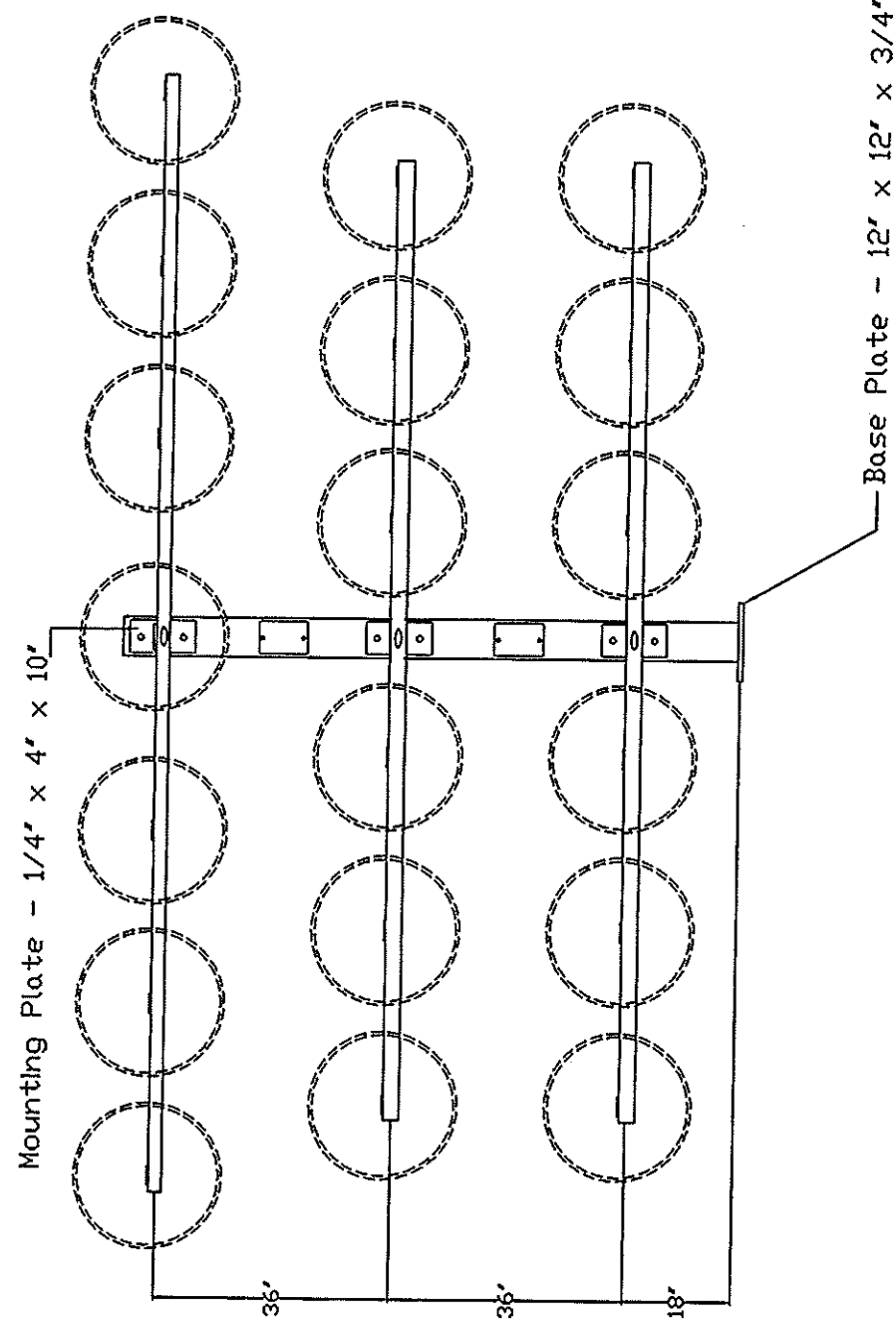
Submitted by: Rodney Hawthorne

Techline Sports Lighting 15303 Storm Dr. • Austin TX 78734 • 512-977-8880 • 800-500-3161

TOP VIEW



FRONT VIEW



** Hot-Dipped galvanized
after fabrication to
ASTM A123 specifications

** NOT TO SCALE

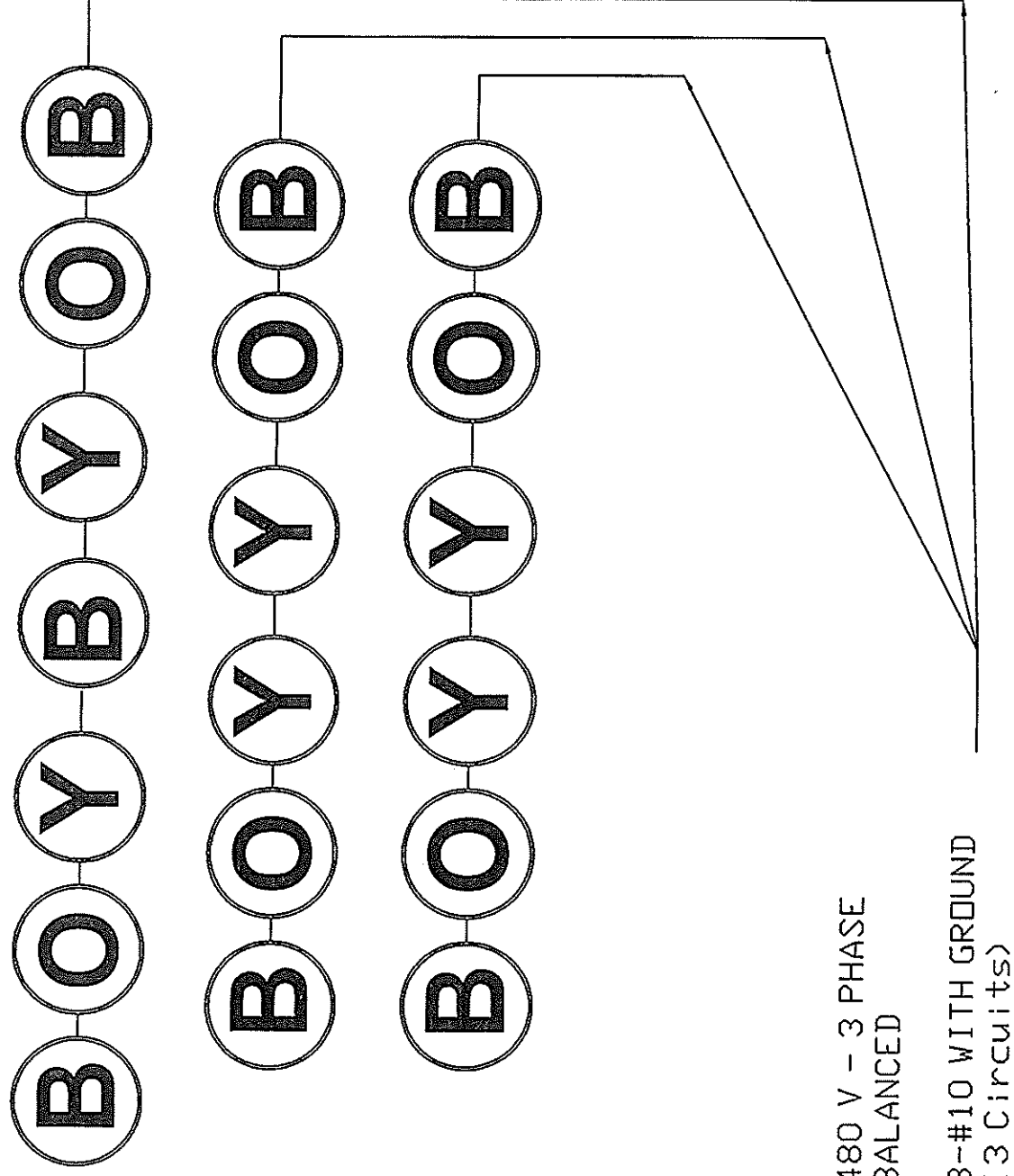


15303 STORM DR.
AUSTIN, TX 78734
PHONE: (512) 977-8880
TOLL FREE: (800) 500-3161
FAX: (512) 977-8882

DATE:	REV:	CHECKED BY:
02-14-03	X	
DRAWING NUMBER:	DRAWN BY:	
TTA 7-19	WW	

19 FIXTURE
CROSSARM ASSEMBLY

Fellowship Christian School
Football Stadium
Pole P1



15303 STORM DR.
AUSTIN, TX 78734
PHONE: (512) 977-8880
TOLL FREE: (800) 500-3161
FAX: (512) 977-8882

DATE:
7/1/11

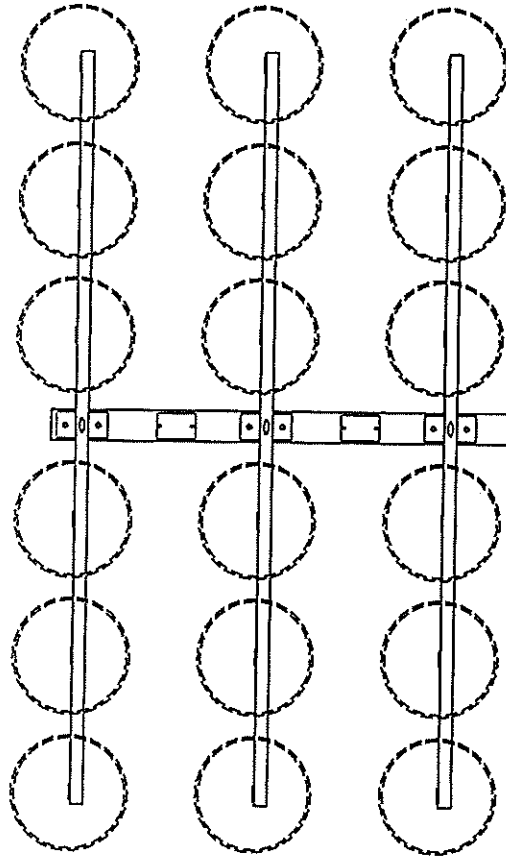
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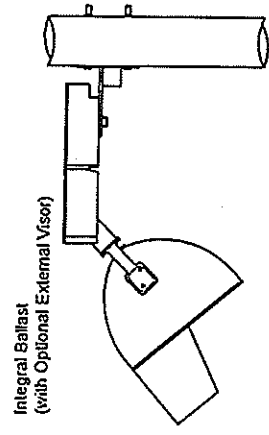
DRAWING NUMBER:
WIRE DIAG-19 FIX

DRAWN BY:
WRW

WIRING DIAGRAM
19 FIXTURE CROSSARM



Crossarm configuration
as required



Mounting Height	80'
Overall Length	92'
Length A.G.L.	82'
Burial Depth	10'
Tip Diameter	7"
Butt Diameter	20.79"
Pole Shape	Round Tapered

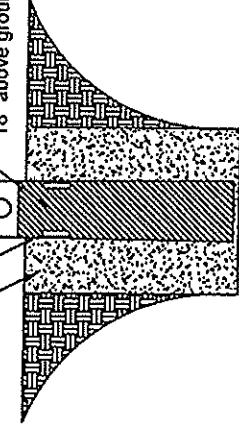
Junction Box or
Disconnect @ 10'
above ground level
(as required)

Conduit/Wire entry 18"-26" below ground level

3000 psi concrete

Hand Hole approximately
18" above ground level

Corrocote II Epoxy Coating
18" above ground level



** Hot-Dipped galvanized
after fabrication to
ASTM A123 specifications

** NOT TO SCALE



15303 STORM DR.
AUSTIN, TX 78734
PHONE: (512) 977-8880
TOLL FREE: (800) 500-3161
FAX: (512) 977-8882

DATE:
11/1/07

REV: CHECKED BY:

DRAWING NUMBER:
TSL 80-FIX

DRAWN BY:
WRW

CONCRETE ENCASED
GALVANIZED STEEL POLE