

Fair-Play

A TRANS·LUX® COMPANY

**4-SIDED BASKETBALL SCOREBOARD
LED BAR DIGIT
INSTRUCTION MANUAL**

REVISION DATE: 12-04-07

PART#: 98-0001-09

Fair-Play

A TRANS·LUX® COMPANY

SERVICE & CUSTOMER INFORMATION

CUSTOMER MUST HAVE PART NUMBER WHEN ORDERING ITEMS THROUGH THE SERVICE DEPARTMENT.

IF FURTHER HELP IS NEEDED CONTACT A FAIR-PLAY SERVICE REP IN YOUR FAIR-PLAY DEALER ORGANIZATION OR PHONE THE FAIR-PLAY HELP DESK AT (800) 462-2716.

TO AID YOU IN YOUR DISCUSSIONS WITH SERVICE REPS, WE SUGGEST THAT YOU RECORD THE FOLLOWING:

MODEL NUMBER: _____

FAIR-PLAY SALES ORDER NUMBER: _____
(THIS NUMBER IS FOUND IN THE UPPER RIGHT HAND CORNER OF THE PACKING SLIP AND INVOICE.)

INSTALLATION DATE: _____

WARRANTY: A COPY OF THE **FIVE-YEAR LIMITED WARRANTY** IS ENCLOSED.

FAIR-PLAY SCOREBOARDS

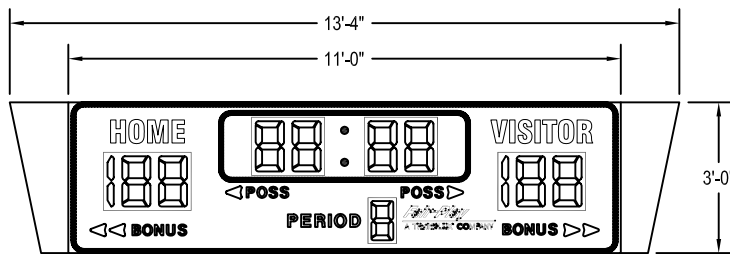
DES MOINES, IOWA

INSTRUCTION DRAWING LIST

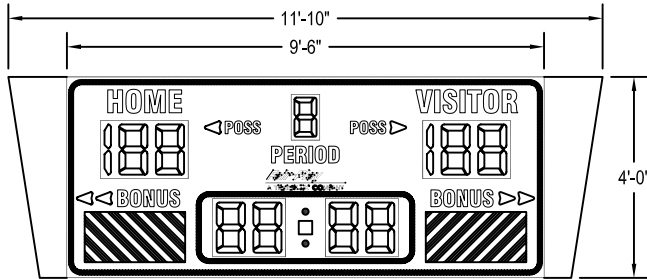
STANDARD LED BAR DIGIT 4-SIDED BASKETBALL

TABLE OF CONTENTS

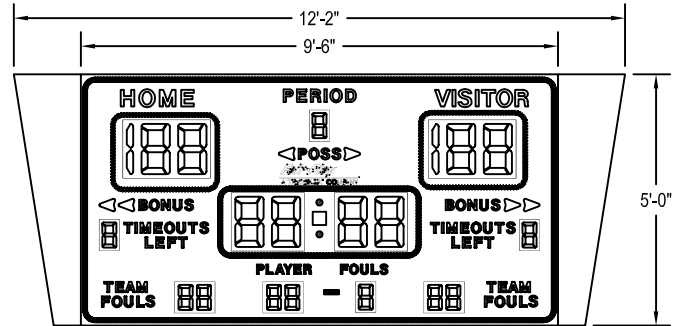
DESCRIPTION	DRAWING NUMBER
4-SIDED BASKETBALL SCOREBOARD FACE VIEWS - BAR SHOWN, LED LAYOUT TYPICAL.....	01-0003-32
4-SIDED LED BAR PREFACE.....	98-0009-08
TYPICAL 4-SIDED ELECTRICAL INSTALLATION - SINGLE & SYNCHRONIZED SCHEME.....	01-0001-03
TYPICAL 4-SIDED BAR & LED DIGIT WIRELESS ELECTRICAL INSTALLATION - SINGLE & SYNCHRONIZED SCHEME.....	01-0001-04
COMPONENT LOCATION AND WIRING BB-1800-4.....	10-1800-07
COMPONENT LOCATION AND WIRING BB-1850-4.....	10-1850-07
COMPONENT LOCATION AND WIRING BB-1851-4.....	10-1851-07
COMPONENT LOCATION AND WIRING BB-1855-4.....	10-1855-07
COMPONENT LOCATION AND WIRING BB-1860-4.....	10-1860-01
ELECTRICAL HARNESS PARTS CHART FOR BAR & LED MODELS.....	98-0021-03
ASSEMBLY DETAILS CORNER PANELS FOR 4-SIDED SCOREBOARD.....	32-1000-05
BOTTOM ENCLOSURE ASSEMBLY FOR 9'-6" INSIDE DIAMETER SCOREBOARDS.....	H-7-J447-1
BOTTOM ENCLOSURE ASSEMBLY FOR 11'-0" INSIDE DIAMETER SCOREBOARDS.....	34-1800-01
STEEL ANGLE CORNER LIFTING ANGLE FOR 4-SIDED SCOREBOARDS.....	86-1800-01
STEEL ANGLE CORNER LIFTING ANGLE FOR 4-SIDED SCOREBOARDS.....	86-1855-01
CHART FOR SCOREBOARD DETAIL & TYPICAL INSTALLATION	
WARRANTY	



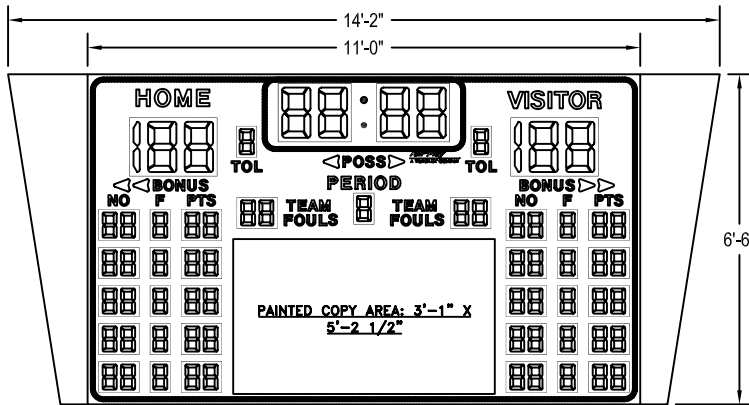
BB-1851-4



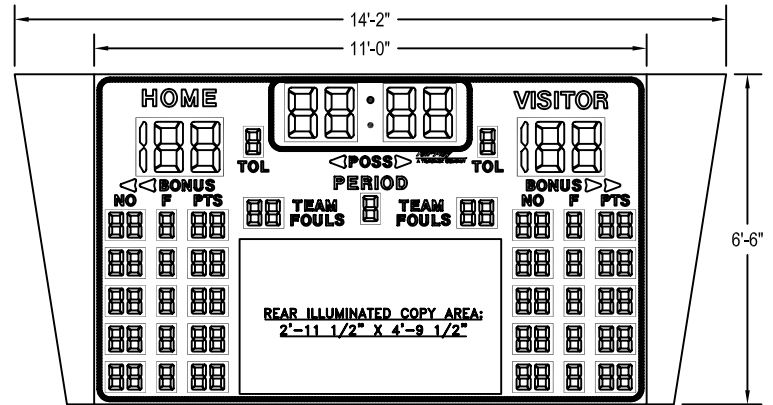
BB-1800-4



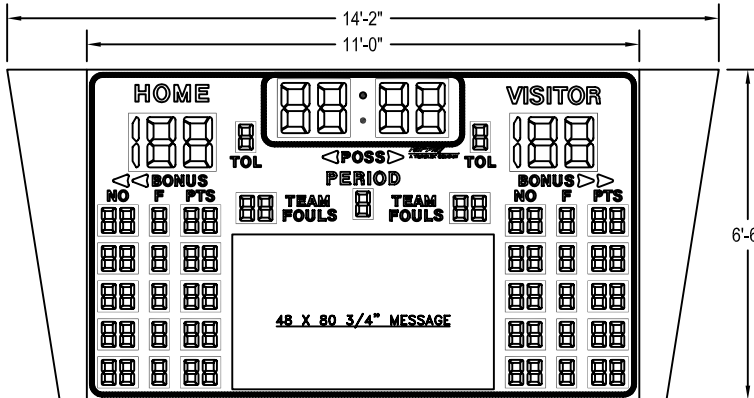
BB-1850-4



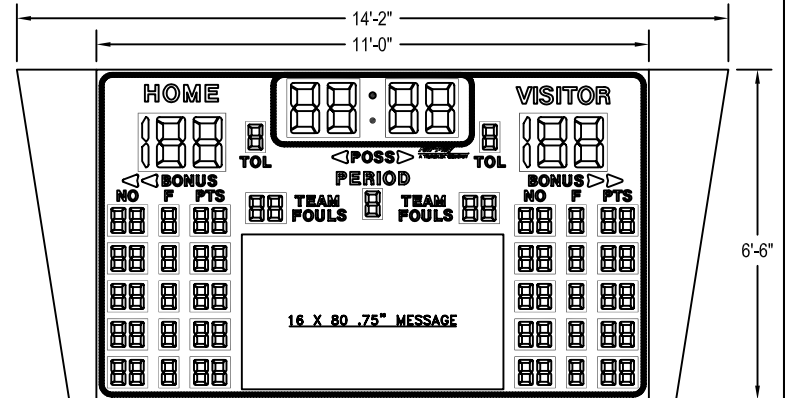
BB-1855A-4



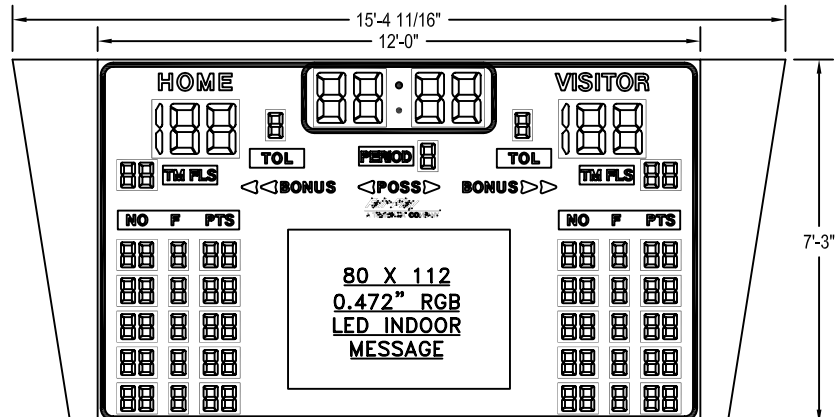
BB-1855B-4



BB-1855C-4



BB-1855D-2M-4



BB-1860F-4

INTRODUCTION

Your scoreboard is economical and professional looking, which is designed to meet the needs of high school, college, and professional level facilities. This instruction booklet will provide you with information to install and troubleshoot your scoreboard. If further assistance is needed, contact your local authorized Fair-Play Representative or contact the Fair-Play Help Desk at 1-800-462-2716.

- **Ventilation:** Install product so that air flow is not restricted. Customer's structure must allow for the free flow of outside ambient air to the product, without recirculation of air. Warranty will be void if components fail due to air flow restrictions.

INSTALLATION

Your scoreboard requires a 120 VAC, 60 Hz, 2-wire; 120/240 VAC, 60Hz, 3-wire; or 208Y/120 VAC, 60 Hz, 4-wire, grounded power supply at the scoreboard (1 or 2 circuits - ref. chart) and 120 VAC, 60 Hz, 2-wire grounded power supply at the control location. Battery operation is also available. The control cable consists of a single 1-pair #22 gauge shielded cable (direct wired only). Fair-Play assumes no responsibilities for installations done by others. When deciding where to install the scoreboard, the board **MUST NOT** be hung from a non-rigid support. May require additional support per local codes.

1. Suspension cables must be attached to each of the corner eye bolts located on the top edge of the steel support structure only. Attaching to other parts of the cabinet may result in damage to your scoreboard. Special care must be taken when selecting cables or chains for suspension mounting. Each cable must be rated a minimum of the actual scoreboard weight (4 cables required on each model).
2. The suspension installation (cables, etc.) must be vertical (parallel to each other). If cables are not mounted parallel, damage could result to your scoreboard.

FAILURE TO FOLLOW THESE GUIDELINES COULD RESULT IN INJURY OR DEATH.

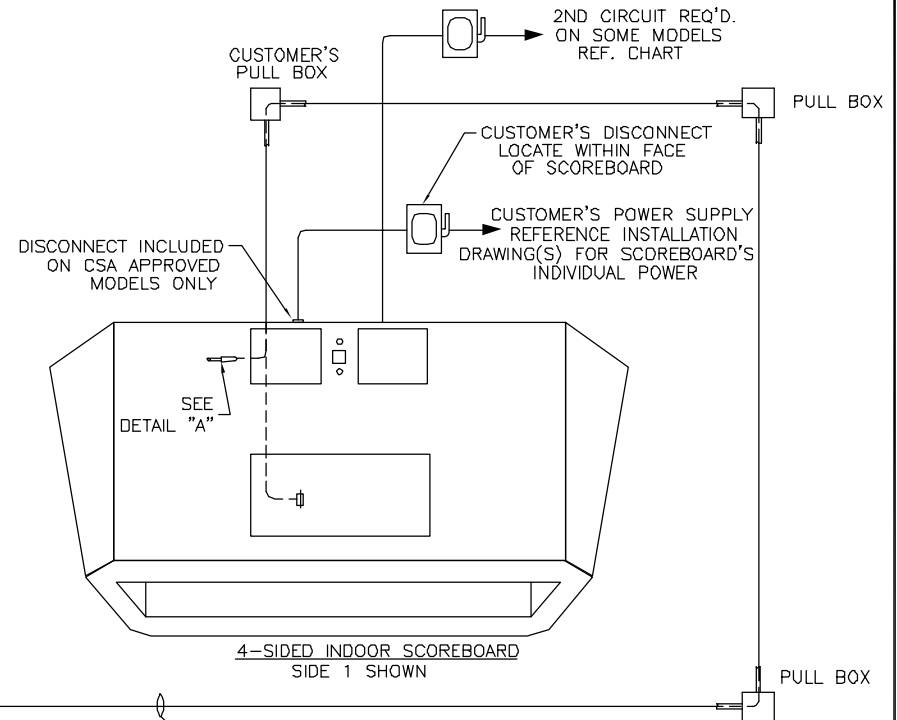
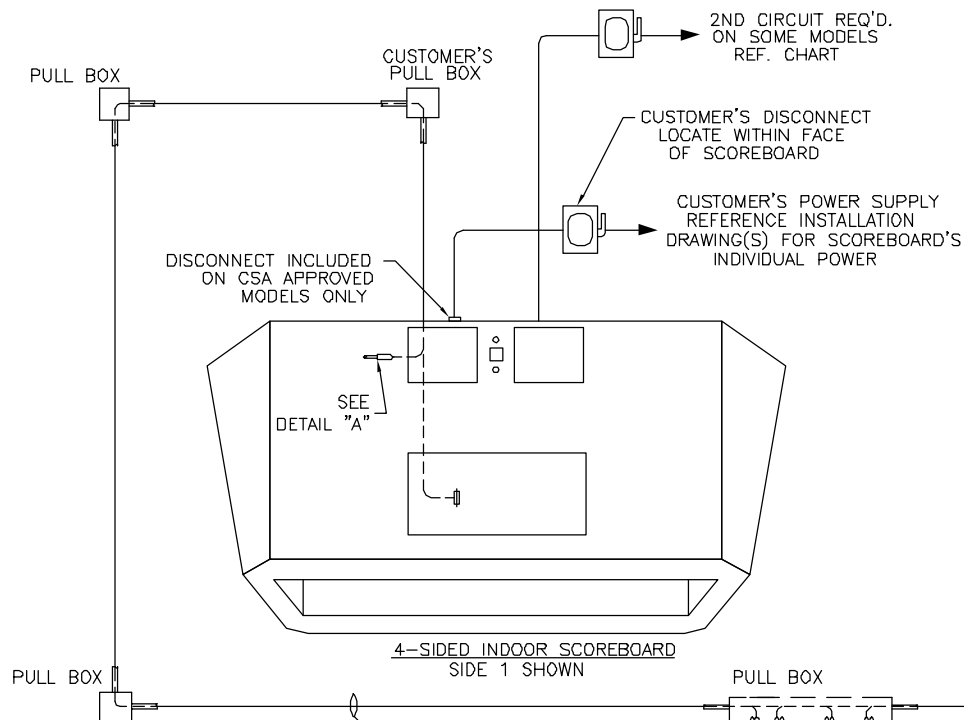
The following items must be considered when installing your new scoreboard. Any technical questions should be directed towards a qualified technician.

1. The control data cable and power cables must be routed in separate conduit.
(Placing low voltage data cables with high voltage power cable will create a safety hazard and/or cause damage to your equipment.)
2. Data cables may be paralleled from one scoreboard to the next. Ref. Appendix A of the MP-70 user guide for the correct procedure.
3. Connect the shield wire of the data cable at one end only.
(Connecting the shield at both ends may cause a ground loop, which could lead to erratic operation of the scoreboard.)
4. The 4x4 data hook-up box provided with your system must be located within ten feet of the control operating location. A ten foot cable is provided; longer cables are available at an additional cost. Contact your local Fair-Play Representative or the Fair-Play Service Department if required.
5. The power hook-up is located behind the home score side one only in your scoreboard.
6. Switch power off to the system when not in use. The control console should be disconnected and placed in a storage closet to protect against theft and/or vandalism.

Safety Feature

Fair-Play incorporates the following safety feature on all indoor LED BAR scoreboard models. A lit segment will travel between several digits when 120 VAC power remains connected to the scoreboard. This feature alerts persons who service the equipment that there is a potential danger of electrical shock if power is not disconnected.

If problems develop after the installation is complete, contact your Fair-Play representative or the Fair-Play Help Desk.



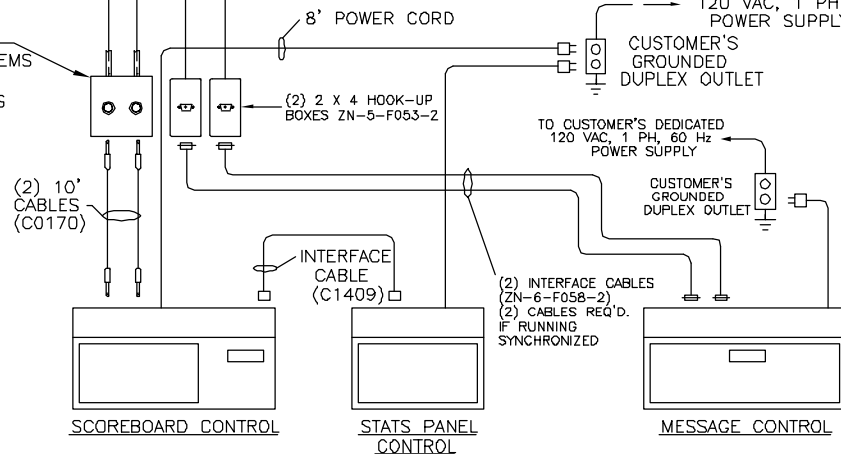
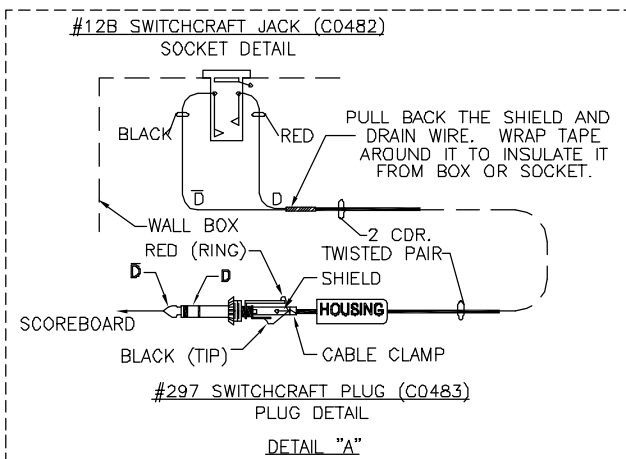
(1) 1-PR. (C0550) SHIELDED #22 GAUGE NOT PROVIDED WITH SCOREBOARD

(1) 1-PR. (C0550) SHIELDED #22 GAUGE NOT PROVIDED WITH SCOREBOARD

ONLY USED FOR SYNCHRONIZED INSTALLATIONS

1-PAIR (C0550) SHIELDED #22 GAUGE

HOOK-UP BOX BB-6200-CS/2 SYNCHRONIZED SCOREBOARD SYSTEMS
HOOK-UP BOX BB-6200-CS SINGLE SCOREBOARD SYSTEMS



IMPORTANT SAFETY & OPERATING INSTRUCTIONS:

1. SCOREBOARD POWER SUPPLY - UNREASONABLE VOLTAGES CAN BE DAMAGING. (SEE LAMP LIFE - NOTE #5)
2. CONTROL POWER - A 120 VAC SUPPLY WITH A 3-POLE GROUNDING TYPE RECEPTACLE IS REQUIRED AT THE CONTROL LOCATION. THE GROUNDING POLE MUST BE PROVIDED FOR THE EQUIPMENT TO OPERATE PROPERLY.
3. POWER WIRES SHOULD BE ROUTED IN SEPARATE CONDUIT FROM CONTROL CABLES.
4. VENTILATION - THE SCOREBOARD BACK INCORPORATES LOUVERS FOR AIR CIRCULATION. INSTALL SCOREBOARD SO AIR FLOW IS NOT RESTRICTED.
5. LAMP LIFE - LAMP LIFE MAY BE REDUCED SIGNIFICANTLY WHEN CONDITIONS EXIST THAT CAUSE VIBRATION, KNOCKS, HIGH OPERATING VOLTAGE, OR HIGH OPERATING TEMPERATURES.

INSTALL SCOREBOARD TO MINIMIZE THESE CONDITIONS.
6. ALL CONTROL CABLES MUST BE CONTINUOUS FROM SCOREBOARD TO CONTROL. NO SPLICES OR CONNECTIONS TO BE USED EXCEPT AT SCOREBOARD AND CONTROL.

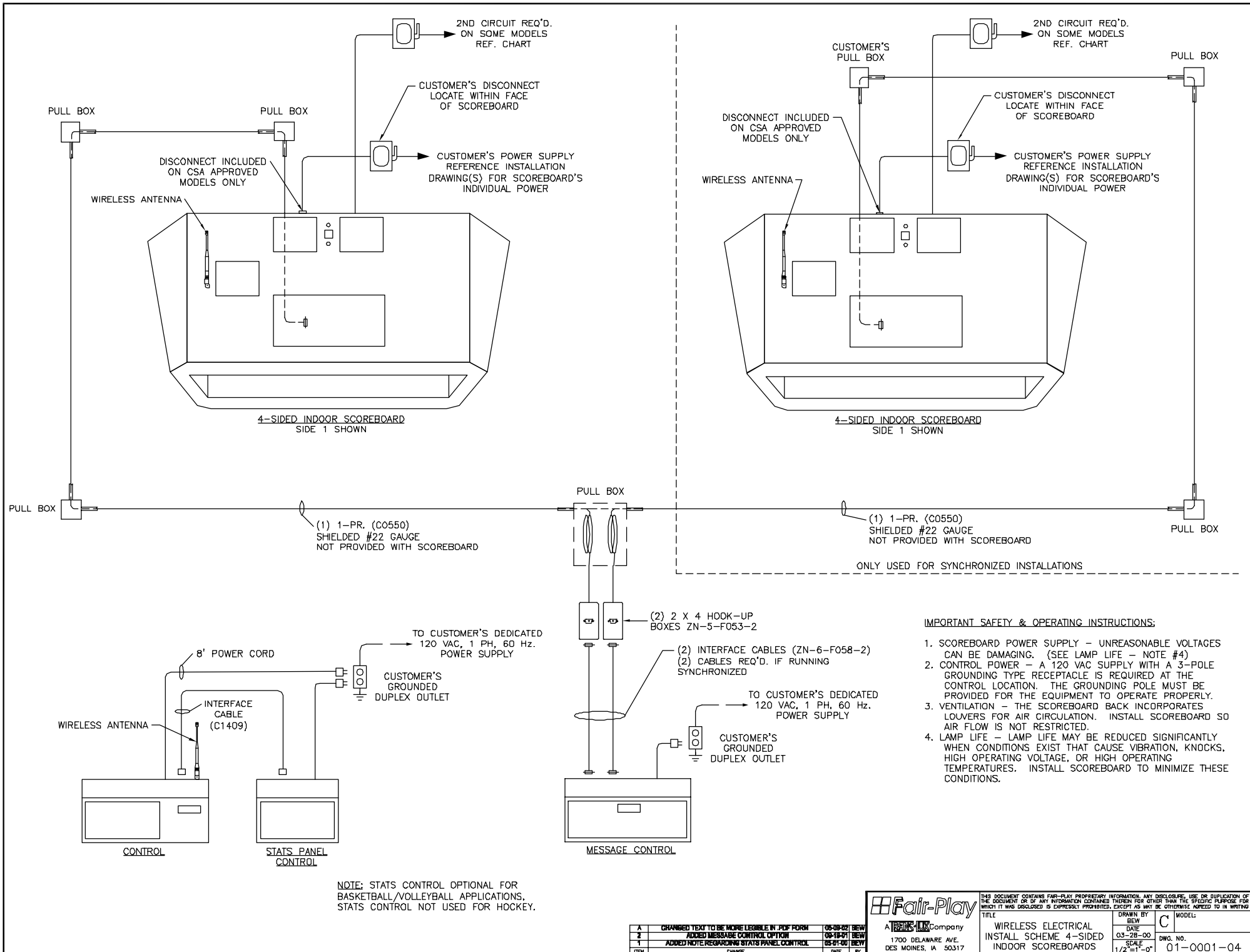
NOTE: STATS CONTROL OPTIONAL FOR BASKETBALL/VOLLEYBALL APPLICATIONS. STATS CONTROL NOT USED FOR HOCKEY.

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DES MOINES, IA 50317

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TITLE	DATE	BY	MODEL
ELECTRICAL INSTALLATION SCHEME FOR 4-SIDED INDOOR SCOREBOARDS	03-28-00	01-0001-03	

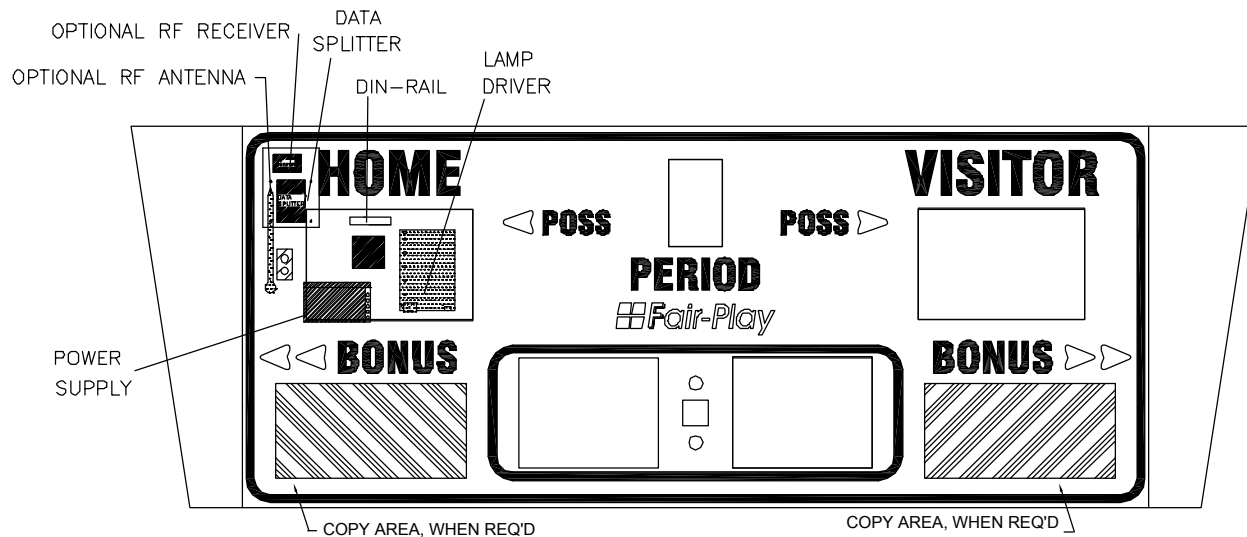
NO.	REVISION	DATE	BY
1	CHANGED TEXT ON DRAWING TO BE MORE LEGIBLE	06-04-00	BEW
2	ADDED MESSAGE CONTROL OPTION	09-18-01	BEW
3	ADDED NOTE REGARDING STATS PANEL CONTROL	06-04-00	BEW
ITEM	CHANGE	DATE	BY



1	CHANGED TEXT TO BE MORE LEGIBLE IN PDF FORM	06-09-02	BEW
2	ADDED MESSAGE CONTROL OPTION	08-10-01	BEW
1	ADDED NOTE REGARDING STATS PANEL CONTROL	05-01-00	BEW
ITEM	CHANGE	DATE	BY

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TITLE WIRELESS ELECTRICAL INSTALL SCHEME 4-SIDED INDOOR SCOREBOARDS	DRAWN BY BEW DATE 03-28-00 SCALE 1/2"=1'-0"
C	MODEL DWG. NO. 01-0001-04



ASSEMBLY NOTES:

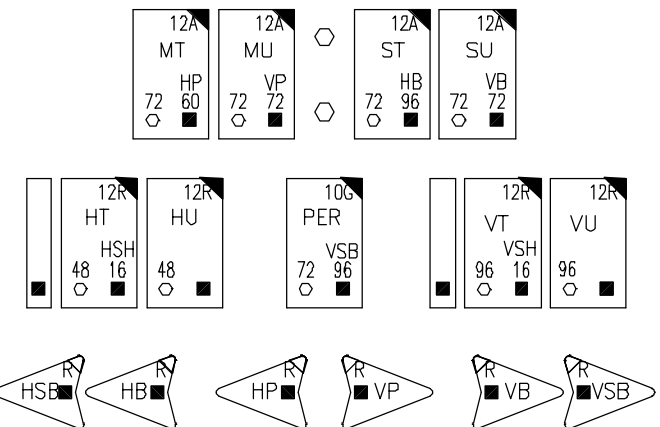
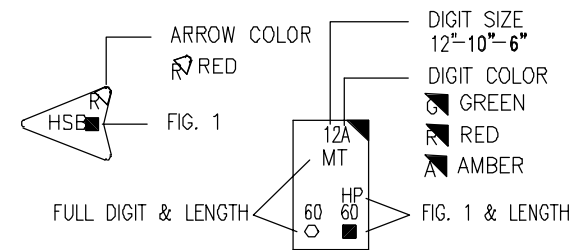
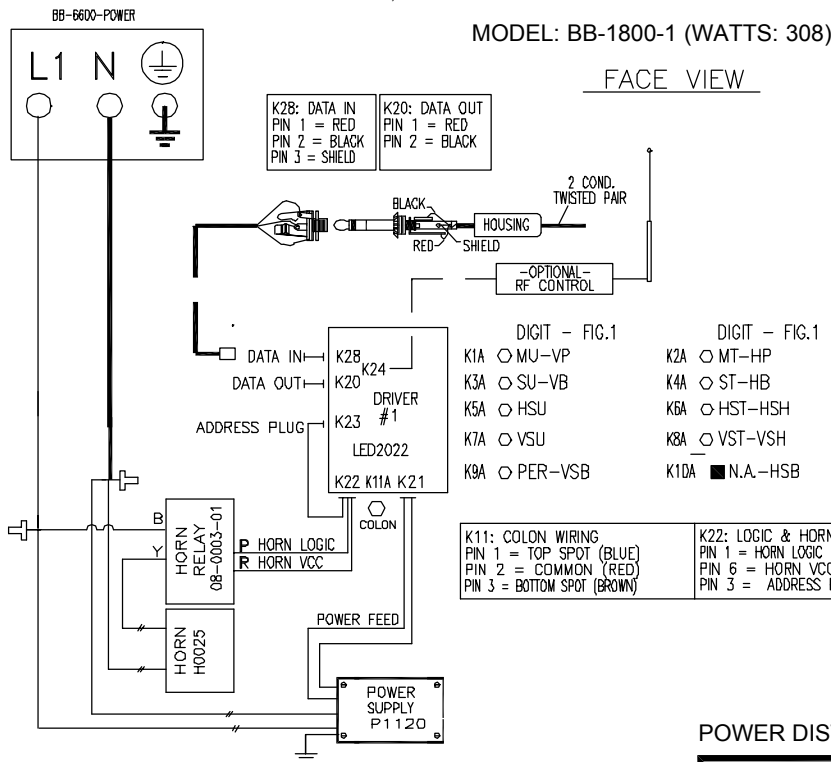
*NYOGEL 760G REQUIRED AT LOCATIONS:
K1A-K10A, K1B-K10B, K23, ON DRIVER LED2022
ALL CONNECTIONS (HEADERS) ON THE DIGITS, COLONS & ARROWS.

*NYOGEL NOT REQUIRED AT LOCATIONS:
K21, K22, K20, K28, & K24 ON DRIVER LED2022

*POWER SUPPLY:
VERIFY POWER SUPPLY IS SWITCHED TO 115VAC
MEASURE VOLTAGE AT POWER SUPPLY=15 VOLTS DC

*HIPOT TEST REQUIREMENTS:
1.5 KILOVOLTS FOR 1 SECOND

*CONTINUITY CHECK BETWEEN CABINET AND GROUND



POWER DISTRIBUTION REF. 16-1000-01

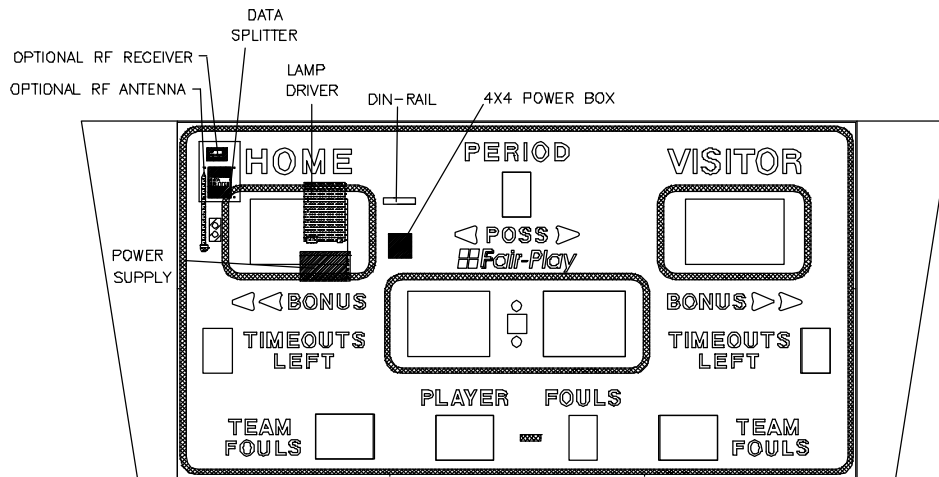
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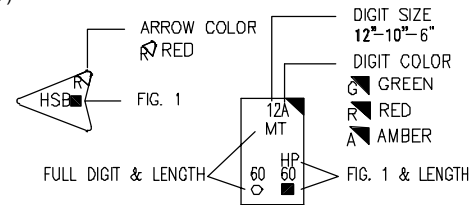
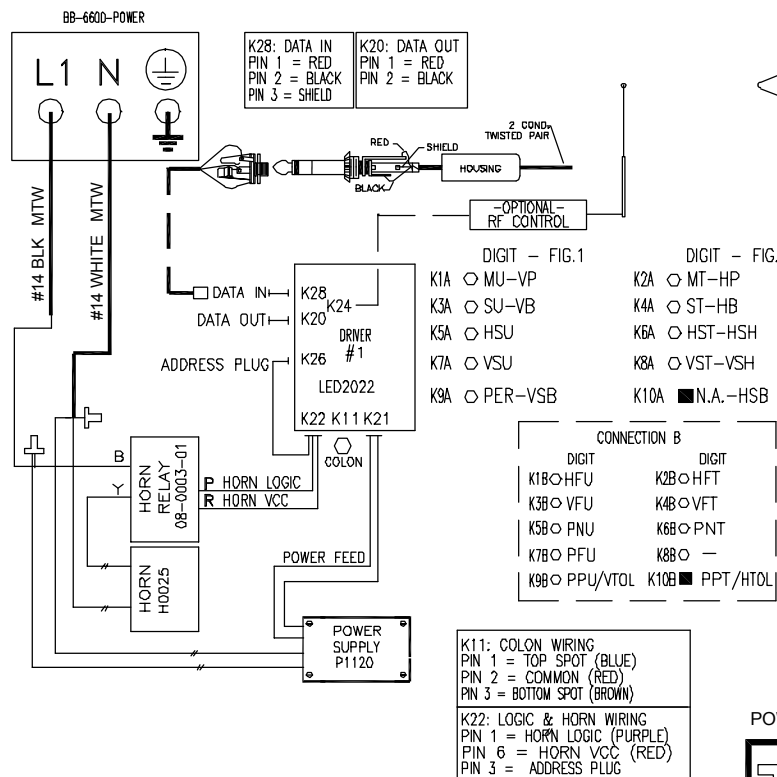
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TITLE COMPONENT LOCATION & WIRING BB-1800-4 4 SIDED LED BAR	DRAWN BY NAP	A	MODEL: 4-SIDED, LB
	DATE 5/23/02		DWG. NO. 10-1800-07
	SCALE NONE		

OR	ORIGINAL RELEASE	5/24/02	NAP
REV.#	CHANGE	DATE	BY



MODEL: BB-1850-2 (WATTS:407)



ASSEMBLY NOTES:

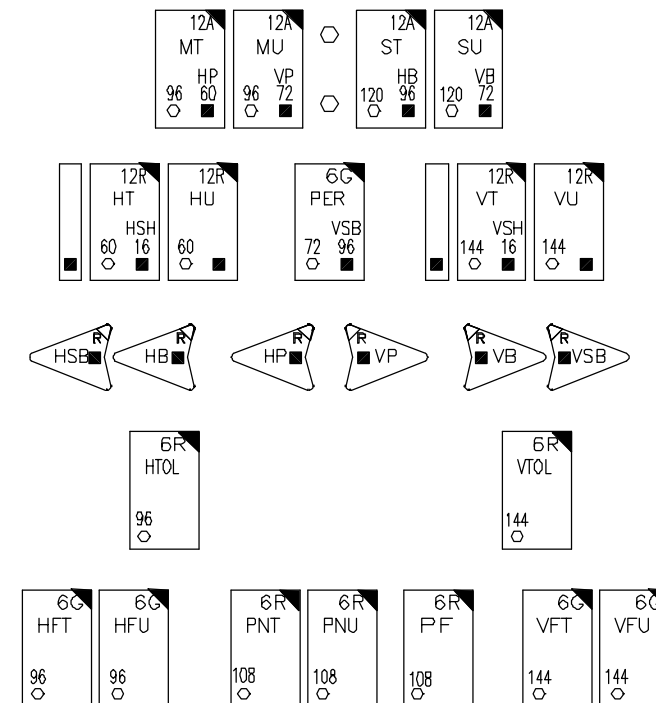
*NYOGEL 760G REQUIRED AT LOCATIONS:
K1A-K10A, K1B-K10B, K23, ON DRIVER LED2022
ALL CONNECTIONS (HEADERS) ON THE DIGITS, COLONS
& ARROWS.

*NYOGEL NOT REQUIRED AT LOCATIONS:
K21, K22, K20, K28, & K24 ON DRIVER LED2022

*POWER SUPPLY:
VERIFY POWER SUPPLY IS SWITCHED TO 115VAC
MEASURE VOLTAGE AT POWER SUPPLY=15 VOLTS DC

*HIPOT TEST REQUIREMENTS:
1.5 KILOVOLTS FOR 1 SECOND

*CONTINUITY CHECK BETWEEN CABINET AND GROUND



POWER DISTRIBUTION REF. 16-1000-01

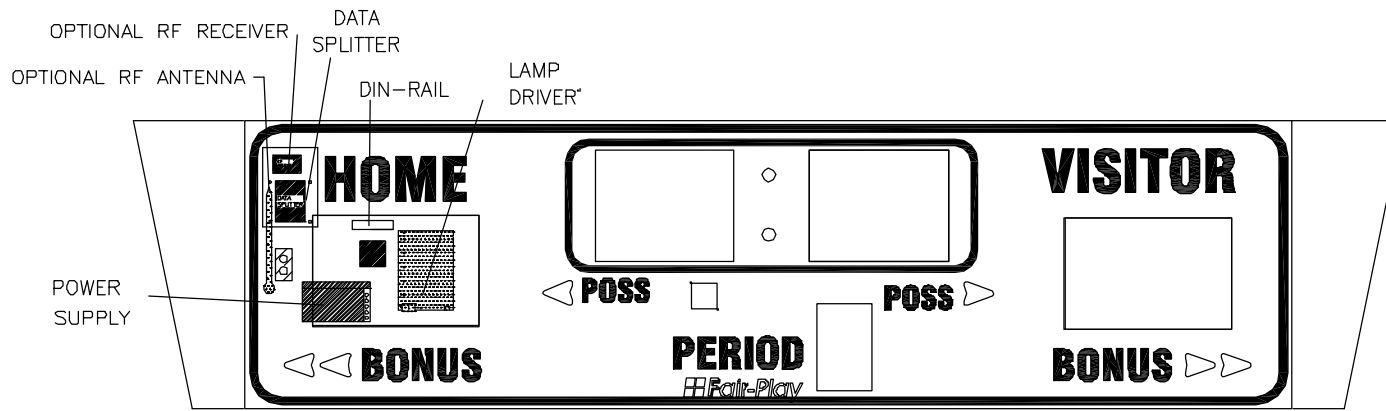
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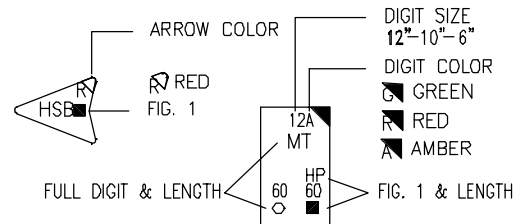
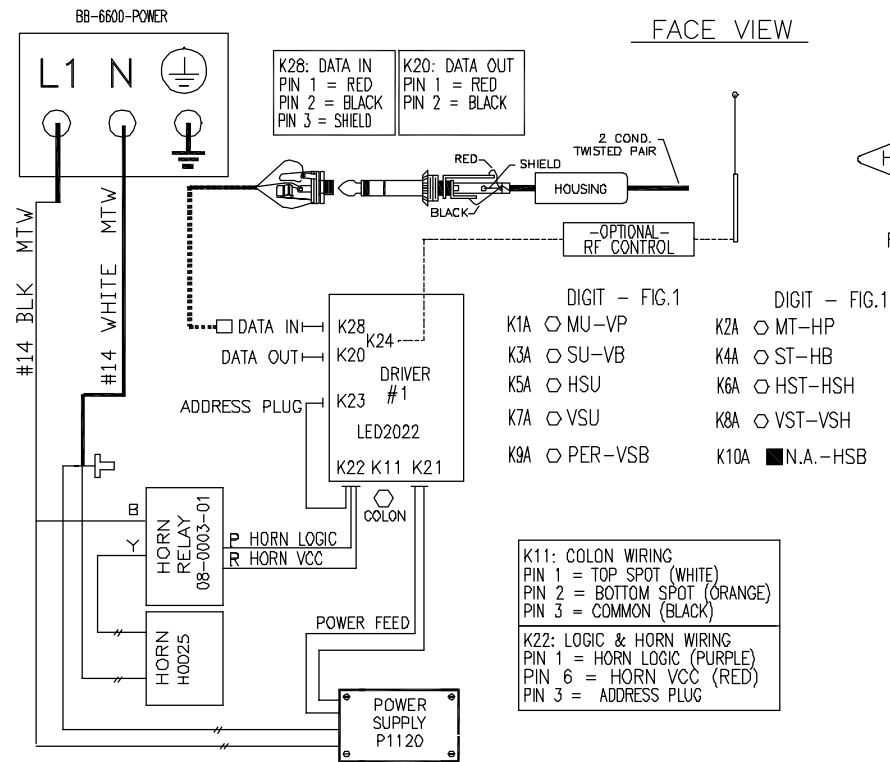
TITLE COMPONENT LOCATION & WIRIGN BB-1850-4 4 SIDED LED BAR	DRAWN BY NAP	A	MODEL: 4 SIDED,LB
	DATE 5/28/02		
	SCALE NONE	DWG. NO. 10-1850-07	

OR	ORIGINAL RELEASE	5/24/02	NAP
REV.#	CHANGE	DATE	BY



MODEL: BB-1851-4 (WATTS: 306)

FACE VIEW



ASSEMBLY NOTES:

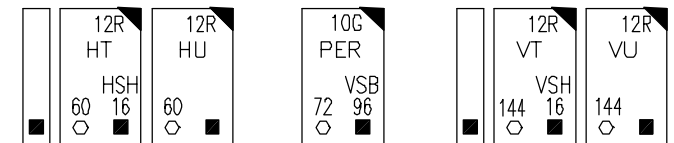
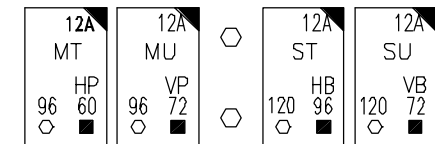
*NYOGE 760G REQUIRED AT LOCATIONS:
K1A-K10A, K1B-K10B, K23, ON DRIVER LED2022
ALL CONNECTIONS (HEADERS) ON THE DIGITS, COLONS & ARROWS.

*NYOGE NOT REQUIRED AT LOCATIONS:
K21, K22, K20, K28, & K24 ON DRIVER LED2022

*POWER SUPPLY:
VERIFY POWER SUPPLY IS SWITCHED TO 115VAC
MEASURE VOLTAGE AT POWER SUPPLY=15 VOLTS DC

*HIPOT TEST REQUIREMENTS:
1.5 KILOVOLTS FOR 1 SECOND

*CONTINUITY CHECK BETWEEN CABINET AND GROUND



POWER DISTRIBUTION REF. 16-1000-01

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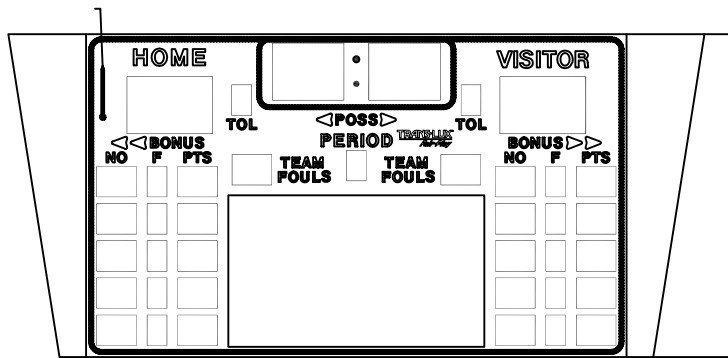
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TITLE COMPONENT LOCATION & WIRIGN BB-1851-4 4 SIDED LED BAR	DRAWN BY NAP	A	MODEL: 4 SIDED LB
	DATE 5/28/02		DWG. NO. 10-1851-07
	SCALE NONE		

OR	ORIGINAL RELEASE	5/28/02	NAP
REV.#	CHANGE	DATE	BY

OPTIONAL RF ANTENNA



BB-1855A-4 (WATTS: 999)

PAINTED COPY AREA: 3'-1" X 5'-2 1/2"

BB-1855B-4 (WATTS: 1,799)

REAR ILLUMINATED COPY AREA: 2'-11 1/2" X 4'-9 1/2"

BB-1855C-4 (WATTS: 18,999)

48 X 80 3/4" MESSAGE

BB-1855D-2M-4 (WATTS: 1,623)

16 X 80 .75 MESSAGE

ASSEMBLY NOTES:

*NYDGE 760G REQUIRED AT LOCATIONS: K1A-K10A, K1B-K10B, K23, DN DRIVER LED2022

ALL CONNECTIONS (HEADERS) ON THE DIGITS, COLONS & ARROWS.

*NYDGE NOT REQUIRED AT LOCATIONS: K21, K22, K20, K28, & K24 DN DRIVER LED2022

*POWER SUPPLY: VERIFY POWER SUPPLY IS SWITCHED TO 115VAC MEASURE VOLTAGE AT POWER SUPPLY=15 VOLTS DC

*HIPOT TEST REQUIREMENTS: 1.5 KILOVOLTS FOR 1 SECOND

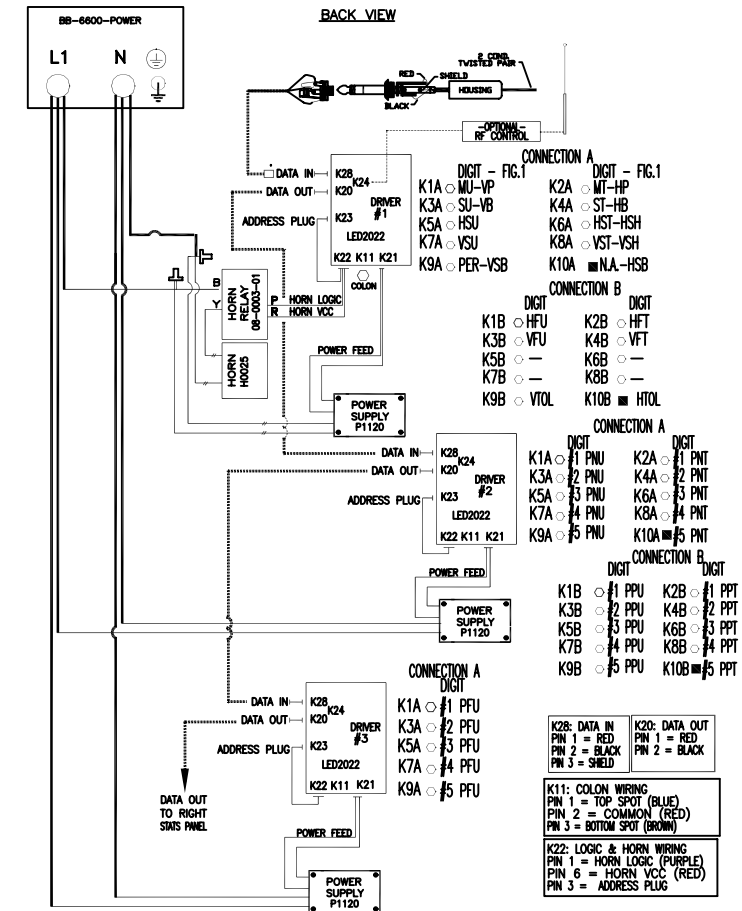
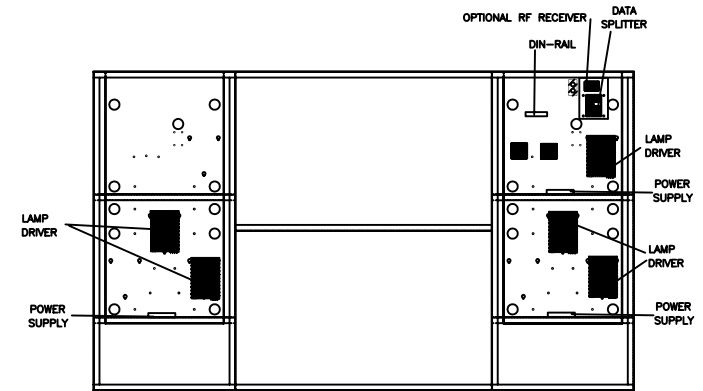
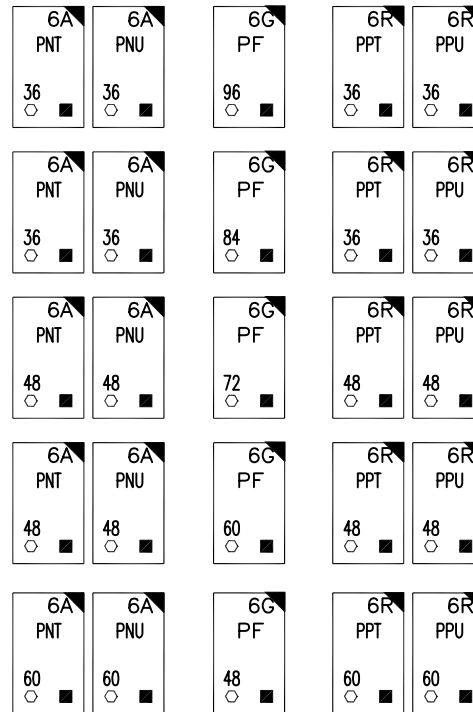
*CONTINUITY CHECK BETWEEN CABINET AND GROUND

NOTE: YOU WILL HAVE ONE POWER BOX FOR THE TIME & SCORE AND THE PLAYER STATS

NOTE: IF CSA BOARD PLEASE CHECK WITH ENGINEERING ON POWER DISTRIBUTION.

POWER DISTRIBUTION REFER 16-1000-02

HOME STATS (VIS. TYP.)



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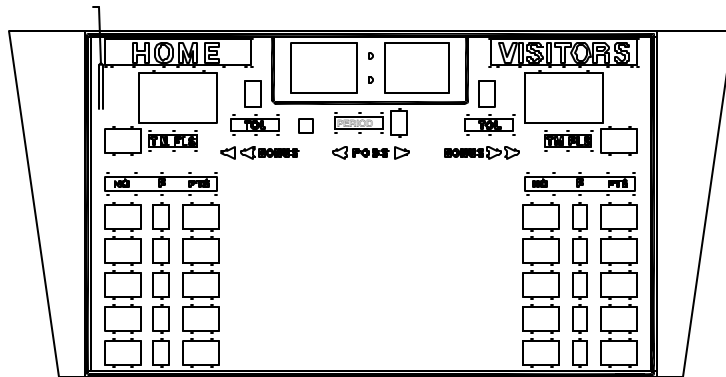
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TITLE COMPONENT LOCATION & WIRING BB-1855-4 4 SIDED LED BAR	DRAWN BY NAP	A	MODEL: 4-SIDED,LB
	DATE 5/29/02		
	SCALE NONE	DWG. NO. 10-1855-07	

A	ADDED MODEL INFORMATION FOR BB-1855D-2M-4	8/12/04	NAP
OR	ORIGINAL RELEASE	5/29/02	NAP
REV.#	CHANGE	DATE	BY

OPTIONAL RF ANTENNA



BB-1860-4 (WATTS: 2,454)

ASSEMBLY NOTES:

*NYOGEI 760G REQUIRED AT LOCATIONS:
K1A-K10A, K13-K10B, K23, ON DRIVER
LED2022
ALL CONNECTIONS (HEADERS) ON THE
DIGITS, COLONS
& ARROWS.

*NYOGEI NOT REQUIRED AT LOCATIONS:
K21, K22, K20, K28, & K24 ON DRIVER
LED2022

*POWER SUPPLY:
VERIFY POWER SUPPLY IS SWITCHED TO
115VAC
MEASURE VOLTAGE AT POWER SUPPLY=15
VOLTS DC

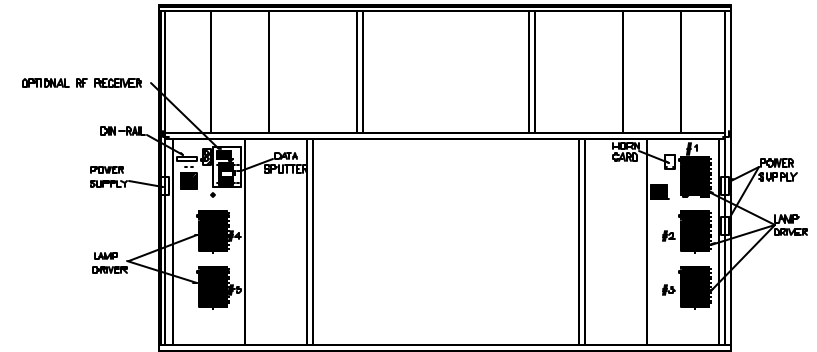
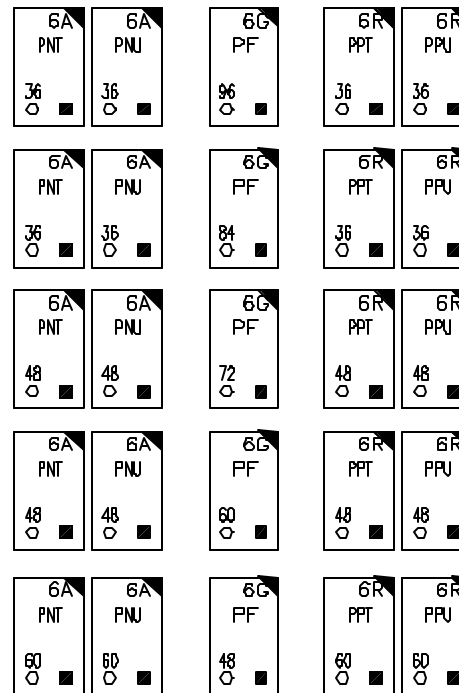
*40POT TEST REQUIREMENTS:
15 KILOVOLTS FOR 1 SECOND

*CONTINUITY CHECK BETWEEN CABINET AND
GROUND

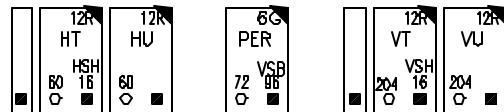
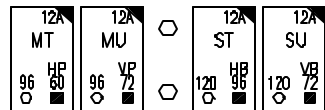
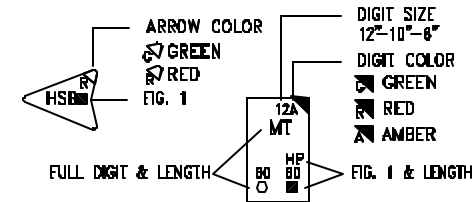
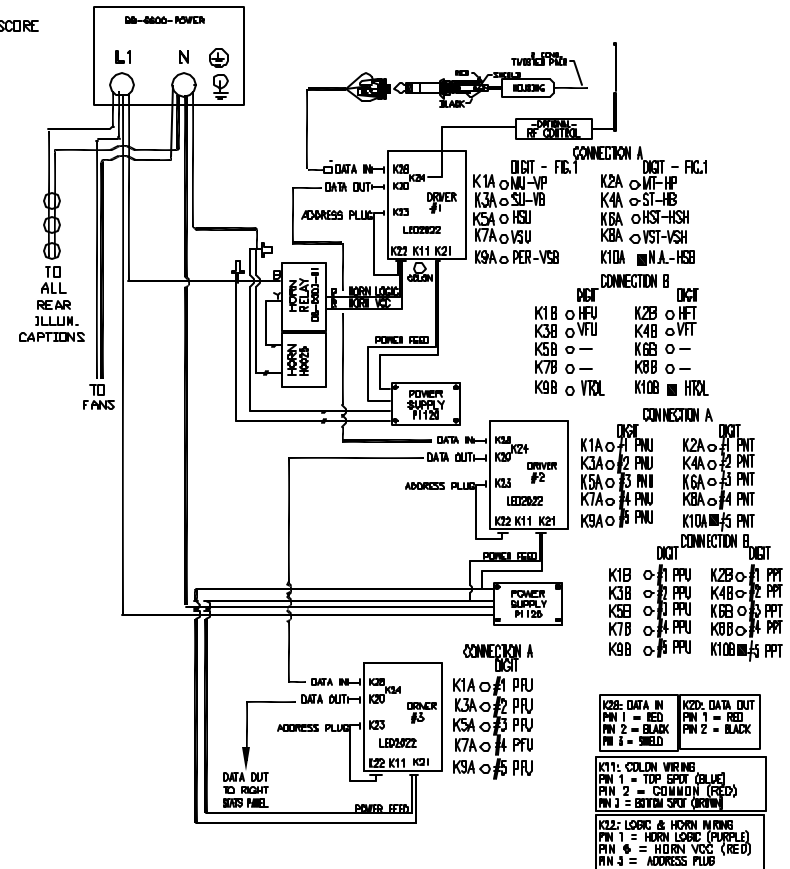
*ALL FANS BLOWING OUT

NOTE: YOU WILL HAVE ONE POWER BOX FOR THE TIME & SCORE
AND THE PLAYER STATS
NOTE: IF CSA BOARD PLEASE CHECK WITH ENGINEERING
ON POWER DISTRIBUTION
POWER DISTRIBUTION REFER 16-1000-03

HOME STATS (VIS. TYP.)



BACK VIEW



B	REPLACED FD766 FANS WITH FD766-C FANS	11/03/03	DLS
A	ADDED FANS	10/02/02	DLS
QR	ORIGINAL RELEASE	9/17/02	DLS
REV.#	CHANGE	DATE	BY

TRANS-LUX
Fair-Play

1700 DELAWARE AVE.
DES MOINES, IA 50317

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TITLE	DRAWN BY	MODEL:
COMPONENT LOCATION & WIRING BB-1860-4 4 SIDED LED BAR	DLS	A
	DATE	4-SIDED, LB
	9/17/02	
	SCALE	DWG. NO.
	NONE	10-1860-01

NOTE:

WHEN ORDERING PARTS, FAIR-PLAY PART NUMBER IS REQUIRED.

REPLACEMENT INDIVIDUAL PARTS LIST

DESCRIPTION	F.P. PART#
LED DIGIT (LED2022) DRIVER ASSEMBLY	06-2022-01
LED AMBER	D0273
LED RED	D0272
LED GREEN	D0274
CONNECTOR AMP 640601-2, 2-PIN	C0913
CONNECTOR AMP 640601-3, 3-PIN	C1020
CONNECTOR AMP 103957-1	C1249
CONNECTOR AMP 103957-2	C1248
CONNECTOR AMP 640601-8	C0966
ALT. CONNECTOR AMP 640428-8	
CONNECTOR AMP 640431-9	C1247
STRAIN RELIEF 643067-9	C1270
CONNECTOR 104257-4	C1521
CONNECTOR AMP 640620-8	C1254
CONNECTOR AMP 641522-2	
CONNECTOR AMP 641522-3	
PIN AMP 770904-3, 3-PIN	C1253
POWER SUPPLY, 15VAC@12.5A	P1120

LED BAR DIGIT HARNESSSES**LED BAR DIGIT ADDRESS PLUG**

CONNECTOR = AMP 640620-8 (C1254)

PIN = AMP 770904-3 (C1253)

DOCUMENT REF. 16-0009-01

ADDRESS PLUG GROUNDED PIN	#22 GAUGE WIRE COLOR	PART#
81 1, 8	RED UL1061 (W0031)	C1384
82 2, 8	BLUE UL1061 (W0026)	C1385
83 1, 2, 8	BLACK UL1061 (W0025)	C1386
84 3, 8	BLUE/BLACK UL1061 (W0130)	C1451
91 1, 5, 8	RED/BLACK UL1007 (W0132)	C1549
B1 1, 5, 6, 8	GRAY UL1061 (W0027)	C1387
B2 2, 5, 6, 8	ORANGE UL1061 (W0029)	C1388
B3 1, 2, 5, 6, 8	YELLOW UL1061 (W0044)	C1389
B4 3, 5, 6, 8	GREEN UL1061 (W0299)	C1390
B5 1, 3, 5, 6, 8	PURPLE UL1061 (W0030)	C1391
B6 2, 3, 5, 6, 8	BROWN UL1061 (W0076)	C1392
B7 1, 2, 3, 5, 6, 8	WHITE UL1061 (W0032)	C1393
B8 4, 5, 6, 8	BLUE/WHITE UL1061 (W0119)	C1394
B9 1, 4, 5, 6, 8	YELLOW/BLACK UL1061 (W0133)	C1535
B10 2, 4, 5, 6, 8	BROWN/WHITE UL1061 (W0121)	C1536
C1 1, 7, 8	ORANGE/BLACK UL1061 (W0131)	C1395
C2 2, 7, 8	PURPLE/WHITE UL1061 (W0135)	C1626
A1 1, 6, 8	ORANGE/WHITE UL1061 (W0120)	C1476
A3 1, 2, 6, 8	WHITE/BLACK UL1061 (W0018)	C1477
85 1, 3, 8	RED/WHITE UL1061 (W0134)	C1604
87 1, 2, 3, 8	PURPLE/WHITE UL1061 (W0135)	C1605
8C 3, 4, 8	PURPLE/BLACK UL1061 (W0136)	C1606

LED BAR DIGIT FIG. 1 HARNESS

CONNECTOR = AMP 640601-3 (C1020)

PIN 1 = GRAY, SEG.

PIN 2 = RED, COMMON

PIN 3 = N.C.

DOCUMENT REF. 16-0013-01

LENGTH	F.P. PART#
12"	C1397
16"	C1416
24"	C1398
36"	C1399
48"	C1400
60"	C1401
72"	C1402
96"	C1403

DATA CONVERTER INTERFACE HARNESS

COMPLETE ASSEMBLY = C1396

CONNECTOR = AMP 104257-4

DOCUMENT REF. 16-0012-01

PIN#	COLOR	LENGTH
1	RED	6"
2	GREEN	6"
3	BLUE	6"
4	WHITE	6"
5	BLACK	6"

LED COLON HARNESS

CONNECTOR = AMP 1-640601-3 (C1020)

PIN 1 = BLUE (#22 UL1007) TOP SPOT

PIN 2 = RED (#22 UL007) COMMON

PIN 3 = BROWN (#22 UL1007) BOTTOM SPOT

DOCUMENT REF. 16-0014-01

COMPLETE ASSEMBLY	PIN#	COLOR	LENGTH
C1404	1	BLUE	84"
	2	RED	84"
	3	BROWN	72"
C1512	1	BLUE	144"
	2	RED	144"
	3	BROWN	132"

DIGIT TO DRIVER HARNESS

CONNECTOR = AMP 640431-9 (C1247)

STRAIN RELIEF = 643067-9 (C1270)

DOCUMENT REF. 16-0001-01

PIN#	COLOR	BAR SEG.	LED SEG.	LENGTH	F.P. PART#
1	BROWN	A	A	24"	C 1278
2	RED	B	B	36"	C1279
3	ORANGE	C	C	48"	C1280
4	YELLOW	D	D	60"	C1281
5	GREY	E	VLED	72"	C1282
6	BLUE	F	E	84"	C1283
7	PURPLE	G	F	96"	C1284
8	WHITE	FIG. 1	G	108"	C1288
9	BLACK	COMMON	H	120"	C1289
				144"	C1290
				204"	C1456
				216"	C1490
				228"	C1491
				240"	C1505
				300"	C1506

K10 ADAPTOR HARNESS

COMPLETE ASSEMBLY = C1417

CONNECTOR = AMP 640431-9 (C1247)

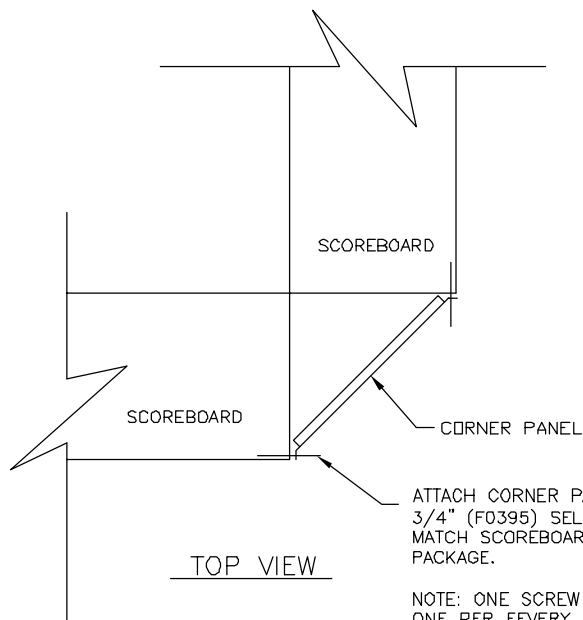
CONNECTOR = AMP 641522-2

CONNECTOR = AMP 641522-3

STRAIN RELIEF = 643067-9 (C1270)

DOCUMENT REF. 16-0017-01

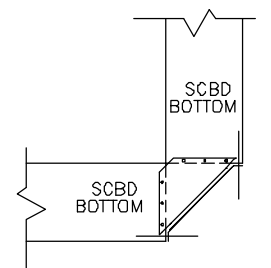
CONNECTOR	PIN#	COLOR	F.P.#	F.P.#	LENGTH
AMP 640431-9	5	RED	W0015	W0015	8"
	8	WHITE	W0016	W0016	8"
	9	BLACK	W0008	W0008	4"
AMP 641522-2	1	WHITE	W0016		
	2	BLACK	W0008		
AMP 641522-3	1	BLACK	W0008		
	2	RED	W0015		
	3	N.C.			



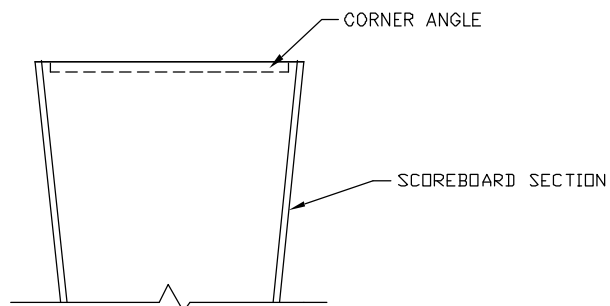
TOP VIEW

ATTACH CORNER PANEL TO SCOREBOARD WITH #12 X 3/4" (F0395) SELF TAP SCREWS 160 PAINTED TO MATCH SCOREBOARD COLOR INCLUDED IN HARDWARE PACKAGE.

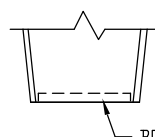
NOTE: ONE SCREW REQUIRED EVERY 8 13/16 INCH, ONE PER EVERY PRE-PUNCHED HOLE IN CORNER PANELS



BOTTOM VIEW



NOTE:
BOTTOM AND CORNER ANGLES COME RIVETED TO THE CORNER PANEL



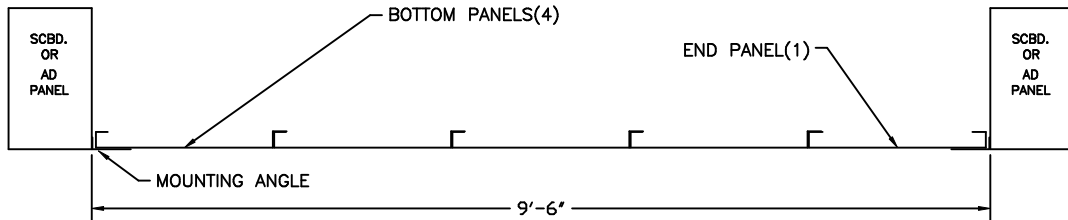
CORNER VIEW

Fair-Play
A **REPS** Company
1700 DELAWARE AVE.
DES MOINES, IA 50317

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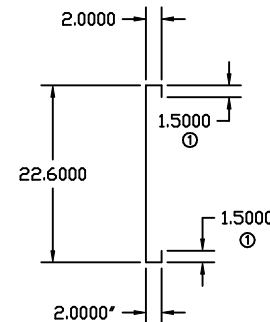
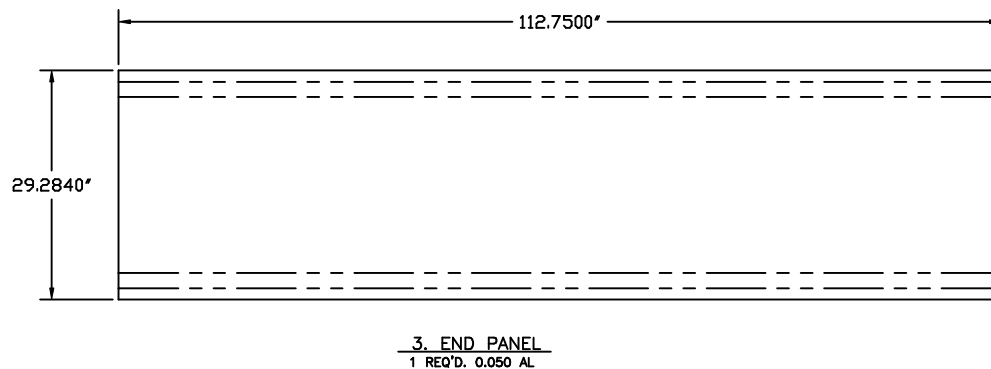
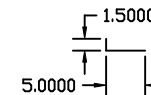
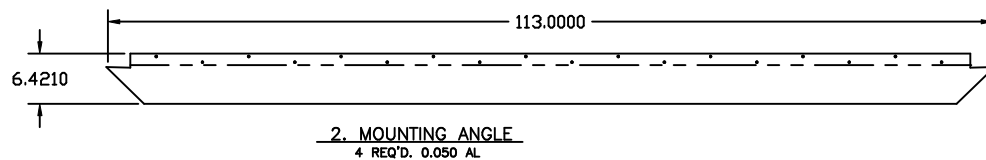
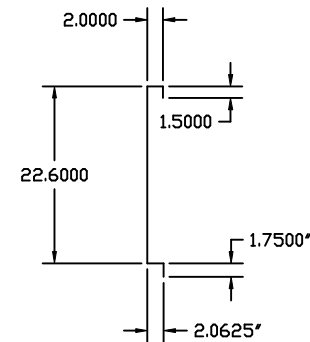
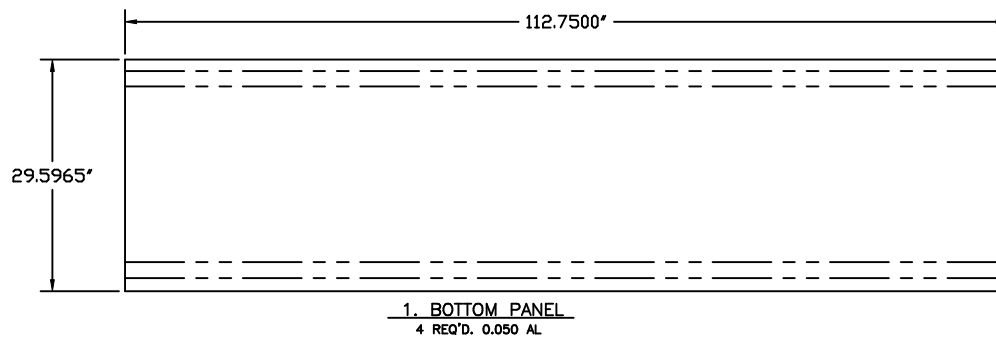
TITLE		DRAWN BY		MODEL	
ASSEMBLY DETAILS		DATE		C	
CORNER PANELS		10-14-99		COMMON	
4-SIDED SCOREBOARD		SCALE		DWG. NO.	
		1/8" = 1"		32-1000-05	

A	UPDATED WITH MORE DETAILS	6/29/02	NHP
OR	ORIGINAL RELEASE	10/14/99	RMC
ITEM	CHANGE	DATE	BY



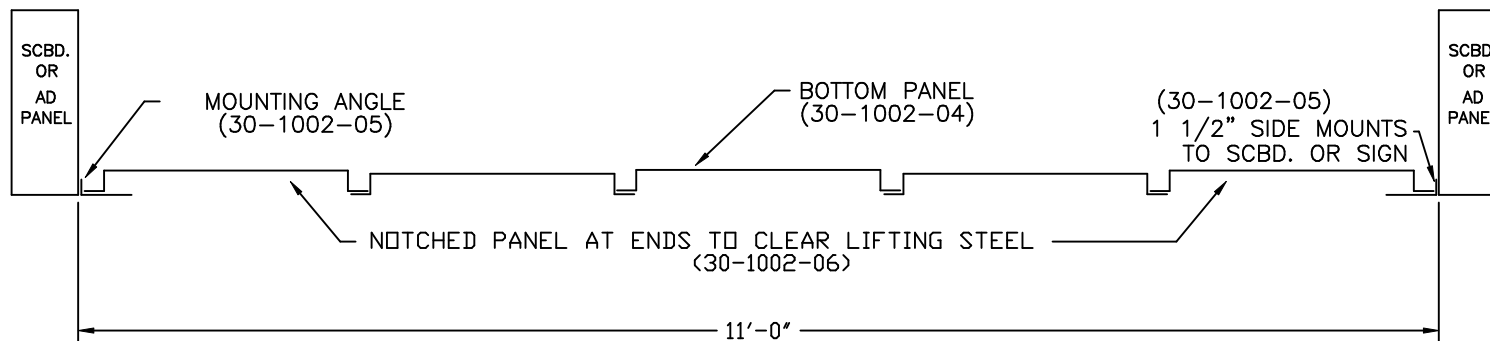
ATTACH MOUNTING ANGLES FLUSH WITH BOTTOM OF SCOREBOARD WITH #12 X 3/4" SELF DRILLING SCREWS PROVIDED. HOLES ARE PRE-DRILLED IN ANGLE. IF A HOLE ENDS UP ON TOP OF A RIVET, INSERT SCREW ON EITHER SIDE OF HOLE. LAY BOTTOM PANELS ON MOUNTING ANGLES, OVERLAPPING AS SHOWN.

ASSEMBLY DETAILS



NOTE: PAINT OUTSIDES OF BOTTOM PANELS SAME COLOR AS SCBD. APPLY WORDS "NO STEP" IN 4 PLACES INSIDE BOTTOM PANELS.

1	08/17/98	1.5000 WAS 1.7500		DMS
ITEM	DATE	CHANGE		BY
DESIGNED BY DMS		C	DATE 08/04/98	SCALE 1"=1'-0"
DRAWN BY DMS		TITLE BOTTOM ENCLOSURE PANELS FOR 4 -SIDED SCOREBOARDS WITH 9'-6" INSIDE AT BOTTOM		
APPROVED BY		TOLERANCES (UNLESS NOTED) DECIMAL ± 0.015" FRACTIONAL ± 1/32"		DWG. NO. H-7-J447-1
1700 DELAWARE AVE. DIED MOUNTAIN, VA 20017				

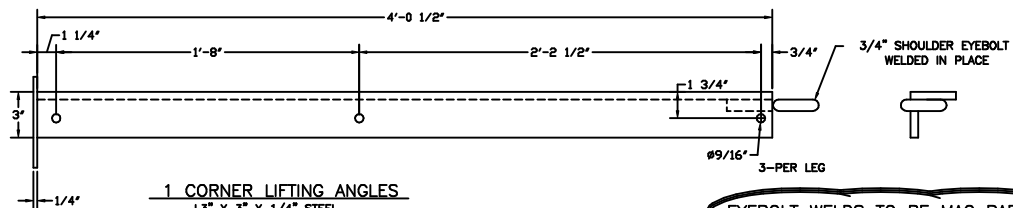
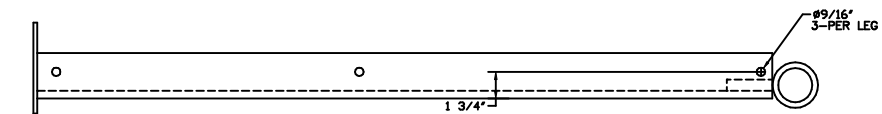
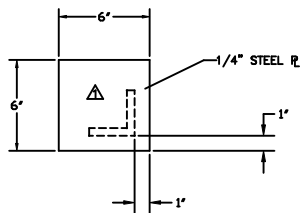
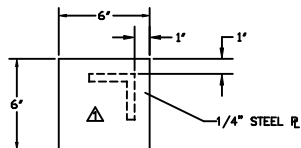


ATTACH MOUNTING ANGLES FLUSH WITH BOTTOM OF SCOREBOARD WITH #12 X 3/4" SELF DRILLING SCREWS PROVIDED. HOLES ARE PRE-DRILLED IN ANGLE. IF A HOLE ENDS UP ON TOP OF A RIVET, INSERT SCREW ON EITHER SIDE OF HOLE. LAY BOTTOM PANELS ON MOUNTING ANGLES, OVERLAPPING AS SHOWN.

NOTE:
PAINT OUTSIDES OF BOTTOM PANELS THE SAME COLOR AS THE SCOREBOARD. APPLY THE WORDS "NO STEP" AT 4 PLACES INSIDE OF THE BOTTOM PANELS.

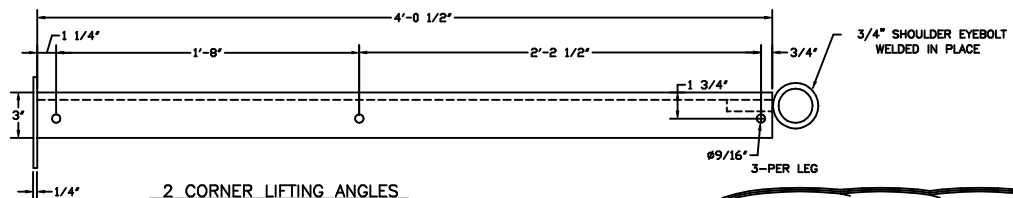
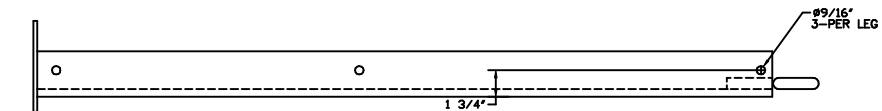
Fair-Play A TESS-LO Company 1700 DELAWARE AVE. DES MOINES, IA 50317		THIS DOCUMENT CONTAINS FAIR-PLAY PROPRIETARY INFORMATION. ANY DISCLOSURE, USE OR DUPLICATION OF THE DOCUMENT OR OF ANY INFORMATION CONTAINED THEREIN FOR OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS DISCLOSED IS EXPRESSLY PROHIBITED, EXCEPT AS MAY BE OTHERWISE AGREED TO IN WRITING	
		TITLE ASSEMBLY DETAILS BOTTOM ENCLOSURE PANEL 4-SIDED SCBDS, 11'-0" I.D.	DRAWN BY RAE DATE 11-23-99 SCALE 1"=1'-0"

ITEM	CHANGE	DATE	BY
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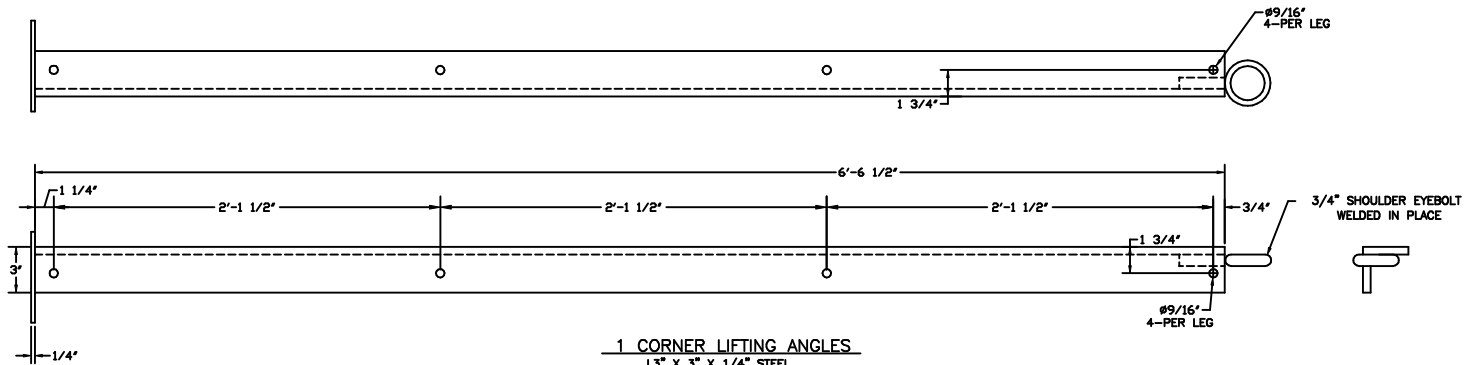
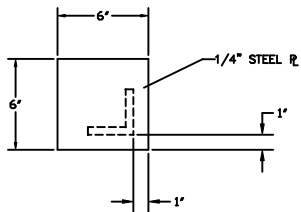
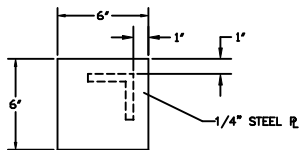
1 CORNER LIFTING ANGLES
L3" X 3" X 1/4" STEEL

EYEBOLT WELDS TO BE MAG PARTICLE TESTED



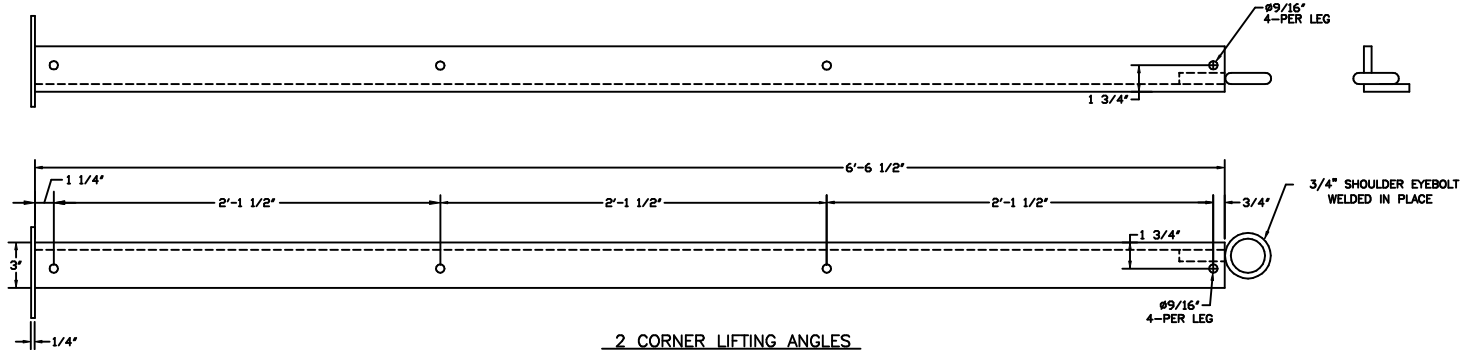
2 CORNER LIFTING ANGLES
L3" X 3" X 1/4" STEEL

EYEBOLT WELDS TO BE MAG PARTICLE TESTED



1 CORNER LIFTING ANGLES
L3" X 3" X 1/4" STEEL

EYEBOLT WELDS TO BE MAG PARTICLE TESTED



2 CORNER LIFTING ANGLES
L3" X 3" X 1/4" STEEL

EYEBOLT WELDS TO BE MAG PARTICLE TESTED

LED BAR DIGIT 4-SIDED BASKETBALL SCOREBOARD DATA CHART

	SCBD TYPE	WIRELESS OPTIONAL	SIZE		EST. WT. (LBS.)	POWER			LAMPS	CTRL	HANGER DIM. CTR. TO CTR.
			"A" LENGTH	"B" HEIGHT		CIRCUITS REQ'D.	TOTAL WATTS	VAC			
BB-1800-4	00	X	11'-10"	4'-0"	1,000	1P-15	306	1	1	1, 2, 5	1
BB-1850-4	01	X	12'-2"	5'-0"	1,226	1P-15	407	1	1	1, 2	1
BB-1851-4	00	X	13'-4"	3'-0"	847	1P-15	306	1	1	1, 2, 5	2
BB-1855A-4	05	X	14'-2"	6'-6"	2,300	1P-15	999	1	1	1, 2, 4	2
BB-1855B-4	05	X	14'-2"	6'-6"	1,392	1P-20	1,799	1	1	1, 2, 4	2
BB-1855C-4	05	* X	14'-2"	6'-6"	2,300	(4) 2P-30	18,999	2	1	1, 2, 3, 4	2
BB-1855D-2M-4	05	*X	14'-2"	6'-6"	2,300	(1) 1P-15 (1) 2P-30	1,999	2	1	1,2,3, 4	2
BB-1860F-4	05	*X	15'-4 11/16"	7'-3"	2,357	(1) 2P-20 (2) 2P-30	11,414	2	1, 2	1,2,3, 4	3

* MESSAGE CENTER REQUIRES CABLE (NOT WIRELESS).

MODEL #: -4 = LED BAR

NOTE: 8 X 48 TEAM NAMES AVAILABLE ON ALL MODELS.

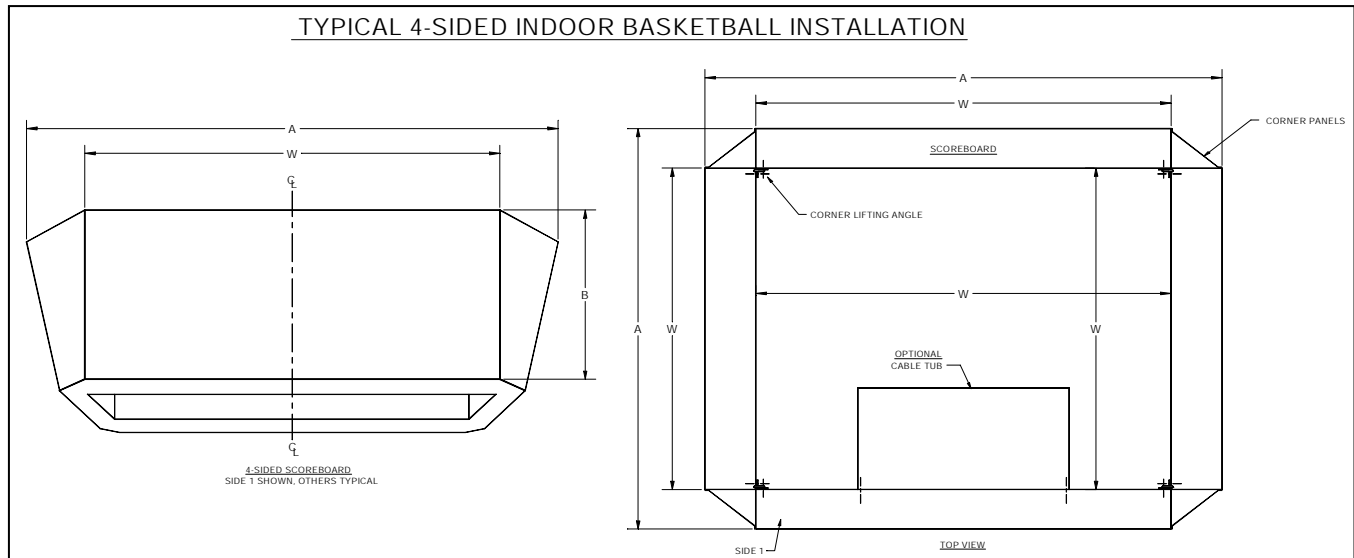
LAMPS: 1=LED
2=10S11N/IF

CONTROLS: 1=MP-70
2=HC-70 (OPTIONAL)
3=PRO-LINE COMMERCIAL
4=SP-70
5=MP-50

HANGER SPACING: 1= W=9'-6"
2= W=11'-0"
3=W=12'-0"

POWER-VAC: 1= 120 VAC, 60 Hz., 1-PHASE, 2 WIRE
2= 120/240 VAC, 60 Hz., 1-PHASE, 3 WIRE

* CONTROL CABLE IS C0550=1-PAIR, 22 GAUGE ((1) PER SCOREBOARD)



Fair-Play

A TRANS-LUX® COMPANY

**TRANS-LUX MIDWEST CORPORATION
d.b.a. Fair-Play Scoreboards**

LIMITED SCOREBOARD WARRANTY

Fair-Play provides a limited five-year warranty when its permanently mounted scoreboards and scoreboard controllers are operated and maintained according to the owner's instructions furnished with the equipment. Such limited warranty is two years for portable scoreboards. This warranty covers all electronic components, including LEDs, for five or two years as applicable from the date of invoice that prove to be defective in material or workmanship. Our #161 and #655-type indoor lamps are warranted on a ten-year factory exchange basis from the date of invoice.

Warranted for one year are mechanical control panel switches, connectors, horns and visual goal indicators. Wireless control components are warranted for two years. Wireless control devices even if not defective may not function reliably in certain environments or otherwise due to outside causes beyond Seller's control, including but not limited to cell phones or portable computers. In the event it is determined a wireless device during the ninety (90) day period following shipment does not function in accordance with its specification without repeated errors or is otherwise consistently unreliable, and Seller determines repair or replacement thereof is not likely to improve performance, at Purchaser's request, upon return to Seller postage prepaid in like new condition within such time period, Seller's sole obligation shall be to refund the entire purchase price of such device. Thereafter Seller's sole obligation shall be to repair or replace, other non-wireless defective components for the balance of the warranty period without responsibility or liability for claims for unreliable performance not due to defects. Batteries, battery packs and battery recharging equipment are warranted for thirty (30) days, except for defects arising from misuse, abuse, negligence or other exclusions set forth below. In no event will Fair-Play have any obligation for any damage caused by defective batteries, battery packs and battery recharging equipment. Also warranted for 30 days are outdoor portable scoreboard carts.

Fair-Play's sole obligation during the applicable warranty period is to repair or replace any defective items. Defective assemblies or components are to be returned postage prepaid to Fair-Play's service center, after obtaining a return authorization number, for repair or replacement at no cost to the owner during the applicable warranty period. Replacement parts may be either new or like-new. Return shipping costs after repair will be paid by Seller except for overnight, express or special shipping costs which shall be paid by Purchaser. Excluded from this warranty are fuses, major components provided by other manufacturers including, but not limited to, computers, rotating signs, power distribution panels, disconnect switches and components of rear-illuminated or lighted signs. The other manufacturer's warranty will apply to such components. Also excluded from this warranty are electronic signs or message centers and related controls. These items are covered by their own specific warranty. The warranty will be suspended as to units for which the purchaser is in default of payment in accordance with the agreed Terms of Payment. In the event the purchaser remits the full amount due in immediately available funds on a unit for which the warranty was suspended, the warranty will be reinstated for the remaining balance of the original warranty period without allowance for the time period of the suspension. The warranty does not apply to units that have been stolen.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF SELLER, EXPRESS OR IMPLIED, AND, EXCEPT TO THE EXTENT HEREIN PROVIDED, SELLER DOES NOT MAKE ANY WARRANTY WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE.

Fair-Play shall not be liable for any incidental, special or consequential damages nor any other loss that may arise in connection with its warranted equipment or any claims under this warranty. (Individual states may have limitations on the length of implied warranties.)

This warranty does not cover shipping damages or problems which result from improper installation of your equipment. (Promptly inspect shipment for visible or concealed damages and report immediately to the delivering carrier.)

Under no circumstances shall this warranty apply if the warranted products have been subject to abuse, misuse, neglect, sabotage, acts of terrorists, negligence, accident, or any casualties or abnormal conditions, including without limitation fire, civil disorders, war, flood, lightning or acts of God. Nor does this warranty cover labor or damage resulting from, or problems caused by, any repair, alteration, modification, or adjustment of the warranted scoreboards or components not performed by Fair-Play.

This warranty extends only to the original end-user purchaser of the warranted products, and is not transferable. For information on extended warranties contact your Fair-Play dealer. In the event authorized Fair-Play dealers make extensions to or provide additional service for Fair-Play products, Fair-Play assumes no liability therefore other than the specific warranty set forth above in this Limited Warranty.

Trans-Lux Midwest Corporation

Fair-Play Scoreboards - A Division of Trans-Lux Midwest Corporation
For Service contact the Trans-Lux Help Desk
1700 Delaware Avenue, Des Moines, Iowa 50317
Telephone: 800-462-2716 • Fax: (515) 263-7105
Internet Address - www.fair-play.com

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