Track & Field Interfaces

Setup Guide

ED-14511 ***Rev 9– 13 April 2012***

DAKTRONICS

201 Daktronics Drive PO Box 5128 Brookings, SD 57006-5128
Tel: 1-800-DAKTRONICS (1-800-325-8766) Fax: 605-697-4700
Web: www.daktronics.com

DAKTRONICS

ED-14511
P1173
Rev 9 – 13 April 2012

DAKTRONICS, INC.

Table of Contents

Section 1: Introduction

This manual explains the settings required to send data to a Daktronics system from third-party FinishLynx™ timing software and Hy-Tek Meet Manager® results software.

For other questions concerning this system, refer to the telephone numbers listed in ***Section 4***.

1.1 Resources

Figure 1 illustrates a Daktronics drawing label. The drawing number is located in the lower-right corner of a drawing. This manual refers to drawings by listing the last set of digits and the letter preceding them. In the example, the drawing would be referred to as ***Drawing C-325405***.

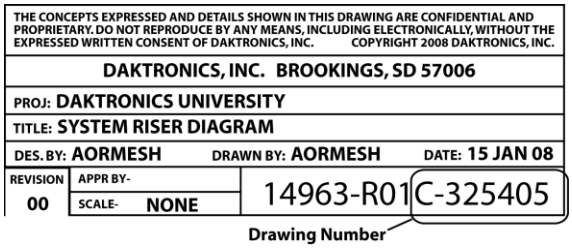


Figure 1: *Daktronics Drawing Label*

Reference Drawing:

System Riser Diagram ..... **Drawing C-325405**

Daktronics identifies manuals by the DD or ED number located on the cover page of each manual. For example, this manual would be referred to as ***ED-14511***.

1.2 Software Conventions

This manual contains the following software conventions and terminology:

Bold	Indicates an item that requires direct action, such as clicking, pressing, selecting or formatting.
Italics	Indicates onscreen text or labels that are not clickable.
Bold Italics	Used to reference items within the manual, such as figures or sections, as well as other documents and important notes.
[X]	Represents a keyboard key that needs to be pressed.
"Quotes"	Text or commands that may be typed. Quotes also indicate folder names.
Click	Press and release the left mouse button.
Double-click	Press and release the left mouse button twice.
Right-click	Press and release the right mouse button.
Select	Highlight or mark, such as by placing a check mark ✓ in a nearby box; clicking will not necessarily perform an action.
>	Followed by (ex. **File > Open**).

Section 2: FinishLynx Photo Finish System

The FinishLynx™ Timing System consists of a personal computer, FinishLynx software, and a photo finish camera. The FinishLynx system records fully automatic timing (FAT) times. Lynx Systems Developers Incorporated offers software and equipment to time races on the track, as well as different equipment to score events in the field.

2.1 Connection Methods

There are seven methods for connecting a FinishLynx photo finish system to different types of Daktronics equipment:

- FinishLynx to an All Sport® controller with a football scoreboard
- FinishLynx to a signal converter to a lane/place/time scoreboard
- FinishLynx to a DMP-7000 (Venus® 7000) or V-Play® controller via serial COM port(s)
- FinishLynx to a DMP-7000 (Venus 7000) or V-Play controller via network UDP/IP socket(s)
- FinishLynx to a six-digit clock or TR-3101
- FinishLynx to a Galaxy with M2 or newer controller via a serial com port and signal converter
- FinishLynx to a Galaxy with M2 or newer controller via a network UDP/IP socket

To access the connection settings on the FinishLynx computer, go to **Scoreboard > Options** (***Figure 2***).

Click on the **Options** tab (***Figure 3***). If the *Scoreboard Status* is empty, then the scoreboard script is not enabled.

To enable a scoreboard script:

1. Click **New** and then **OK**.
2. Restart the FinishLynx software to load the scoreboard script.

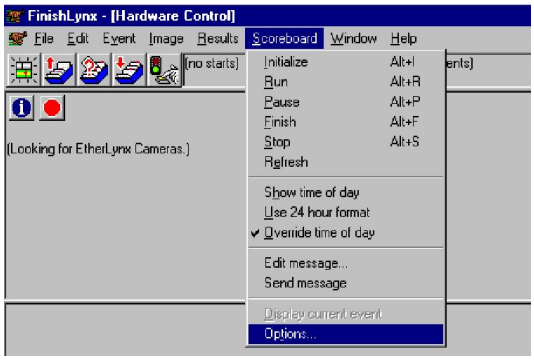


Figure 2: *FinishLynx Options*

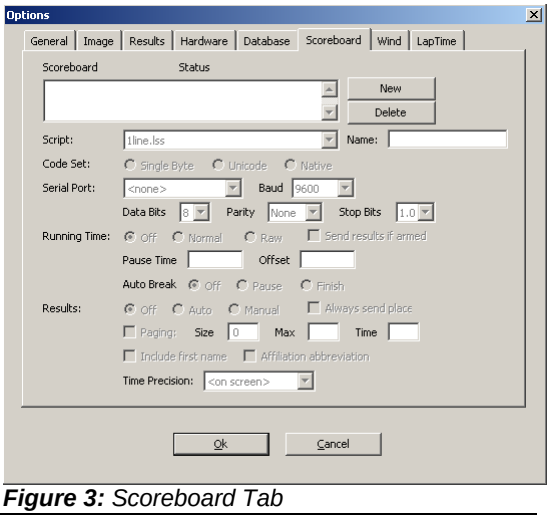


Figure 3: *Scoreboard Tab*

2.2 All Sport 4000 or 5000 Console Setup for Football Scoreboard

Reference Drawings:

Track/Football SCBD w/ FinishLynx & All Sport 5000 ..... **Drawing A-95152**
Track/Football SCBD w/ FinishLynx, In Field ..... **Drawing A-95153**
Track/Football SCBD w/ FinishLynx, in Press Box ..... **Drawing A-95154**

For cabling of a FinishLynx to an All Sport 4000 or 5000 with the computer next to the All Sport in the press box, reference **Drawing A-95152**. Use **Drawing A-95153** when the FinishLynx controller is on the field and the All Sport controller is in the press box. Use **Drawing A-95154** for use with an All Sport 2600 and both of the previously mentioned applications.

Turn on the **All Sport** console and enter the proper code depending on the following setups.

If the FinishLynx computer has a built in 9-pin serial (COM) port, use code **8603** on the All Sport 5000. For an All Sport 4000, use codes **41, 42, or 43** depending on the scoreboard used (refer to ***Appendix B*** of the ***All Sport 4000 Operations Manual, ED-9999***).

Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 4***):

- *Script*: "AllSport.lss"
- *Name*: "Scoreboard"
- *Code Set*: **Single Byte**
- *Serial Port:* Select an available COM port.
- *Baud:* **12800**
- *Data Bits:* **8**
- *Parity:* **None**
- *Stop Bits:* **2.0**
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Auto**
- *Paging* enabled, *Size* "1", *Time* "3.0"

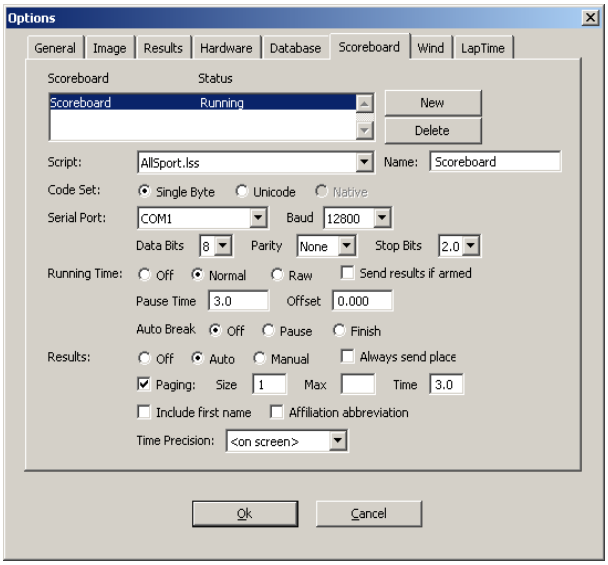


Figure 4: *Scoreboard Settings for 9-pin COM port*

If a USB-to-Serial adapter is being used on the FinishLynx computer, use code **8602** on the All Sport 5000. For an All Sport 4000, use codes **45, 46, or 47** depending on the scoreboard used (refer to ***Appendix B*** of the ***All Sport 4000 operations manual, ED-9999***).

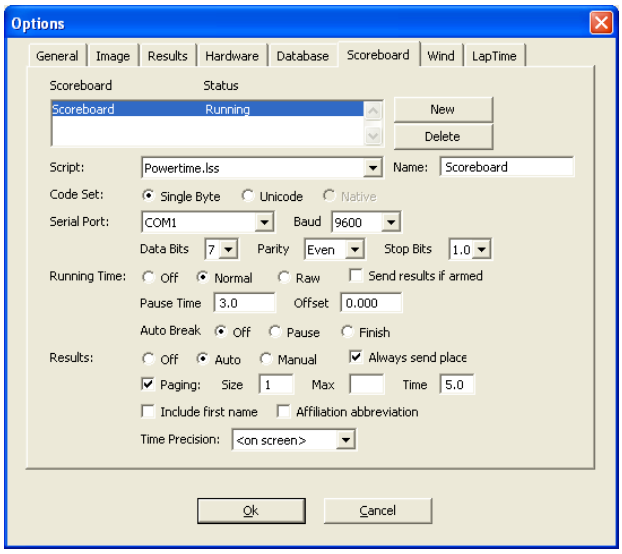


Figure 5: *Scoreboard Options for USB-to-Serial Adapter*

Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 5***):

- *Script*: "Powertime.lss"
- *Name*: "Scoreboard"
- *Code Set*: **Single Byte**
- *Serial Port:* Select an available COM port.
- *Baud:* **9600**
- *Data Bits:* **7**
- *Parity:* **Even**
- *Stop Bits:* **1.0**
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Auto**, **Always send place** enabled
- *Paging* enabled, *Size* "1", *Time* "5.0"

2.3 Signal Converter Setup for a Lane/Place/Time Scoreboard

Reference Drawings:

Track SCBD w/ FinishLynx, in Press Box ..... **Drawing A-104300**

For scoreboard installation, address plug, and protocol plug settings, refer to the ***LED Aquatic/Track Displays SW-2000 Series Display Manual (ED-12156)***.

Set the address plugs and protocol plugs according to the FinishLynx scoreboard settings in ***Section 3*** of ***ED-12156***. The cabling should go according to **Drawing A-104300**.

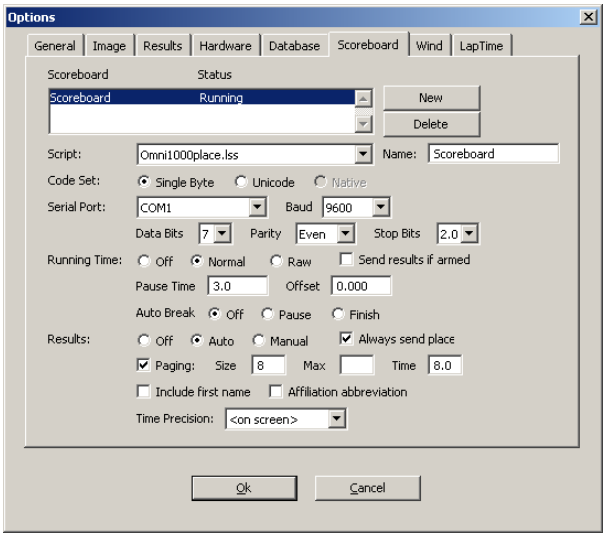


Figure 6: *Scoreboard Options for Lane/Place/Time*

Set up the scoreboard options on the FinishLynx computer as follows (also refer to ***Figure 6***):

- *Script*: "Omni1000place.lss"
- *Name*: "Scoreboard"
- *Code Set*: **Single Byte**
- *Serial Port:* Select an available COM port.

- *Baud:* **9600**
- *Data Bits:* **7**
- *Parity:* **Even**
- *Stop Bits:* **2.0**
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Auto**, **Always send place** enabled
- *Paging* enabled; set the *Size* to the number of lanes that can be displayed on the scoreboard (ex, 4 for a four line scoreboard).

2.4 DMP-7000 (Venus 7000) or V-Play Controller Setup Via Serial

Reference Drawings:

System Riser: F.Lynx/Hytek/Venus Via Comm Ports ..... **Drawing B-127739**

In this setup, RTD (Real Time Data) is sent from the FinishLynx system to the DMP-7000 (Venus 7000) or V-Play controller via serial port. The cabling should go according to **Drawing B-127739**.

If an All Sport 5000 is used, enter code **8604**.

Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 7***):

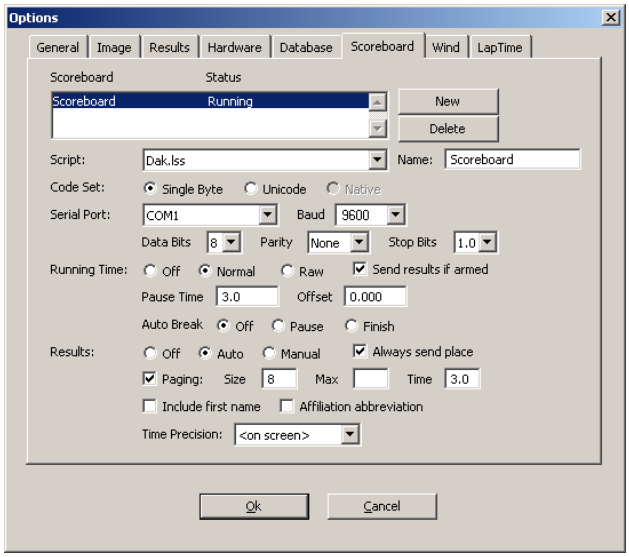


Figure 7: *Scoreboard Options for Venus/V-Play Via Serial*

- *Script*: "Dak.lss"
- *Name*: "Scoreboard"
- *Code Set*: **Single Byte**
- *Serial Port:* Select an available COM port.
- *Baud:* **9600**
- *Data Bits:* **8**
- *Parity:* **None**
- *Stop Bits:* **1.0**
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Auto**, **Always send place** enabled
- *Paging* enabled; set the *Size* to the number of lanes that can be displayed on the matrix display; *Time* "3.0"

2.5 DMP-7000 (Venus 7000) or V-Play Controller Setup Via Network UDP/IP

Reference Drawings:

System Riser: Finish Lynx/Hytek/Venus Via Network ..... **Drawing B-267013**
Riser; Hytek/Lynx/V7000, Fiber, SCBD ..... **Drawing B-267220**

In this setup, RTD (Real Time Data) is sent from the FinishLynx system to the DMP-7000 (Venus 7000) or V-Play controller over a network UDP/IP connection. Depending on the equipment used in a particular setup, refer to **Drawing B-267013** or **B-267220** for cabling configurations.

If an All Sport 5000 is used, enter code **8604**.

Set up the scoreboard options on the FinishLynx computer as follows:

Capture Station

Running Time (*Figure 8*)

- *Script*: "Dak.lss"
- *Name*: "Running Time"
- *Code Set*: **Single Byte**
- *Serial Port:* **Network (UDP)**
- *Port* "21000"
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Off**

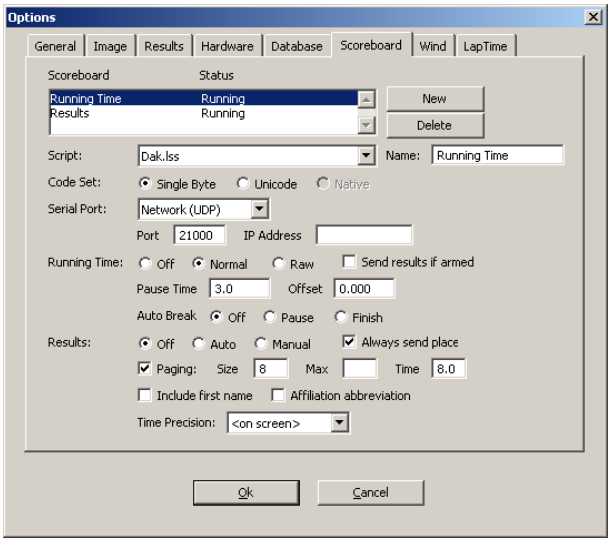


Figure 8: *Running Time for Venus/V-Play Via UDP/IP*

Results (*Figure 9*)

- *Script*: "Dak.lss"
- *Name*: "Results"
- *Code Set*: **Single Byte**
- *Serial Port:* **Network (UDP)**
- *Port* "21100"
- *Running Time:* **Off**
- *Auto Break:* **Off**
- *Results:* **Auto**
- *Paging* enabled; set the *Size* to the number of lanes that can be displayed on the matrix display; *Time* "5.0"

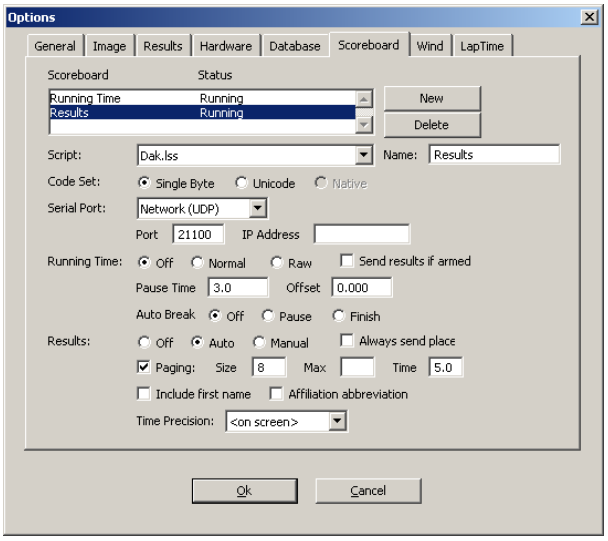


Figure 9: *Results Options for Venus/V-Play Via UDP/IP*

Edit Station

Set up the Edit Station options the FinishLynx computer as follows (refer also to ***Figure 10***):

- *Script*: "Dak.lss"
- *Name*: "Results"
- *Code Set*: **Single Byte**
- *Serial Port:* **Network (UDP)**
- *Port* "22000"
- *Running Time:* **Off**
- *Auto Break:* **Off**
- *Results:* **Auto**
- *Paging* enabled; set the *Size* to the number of lanes that can be displayed on the matrix display; *Time* "5.0"

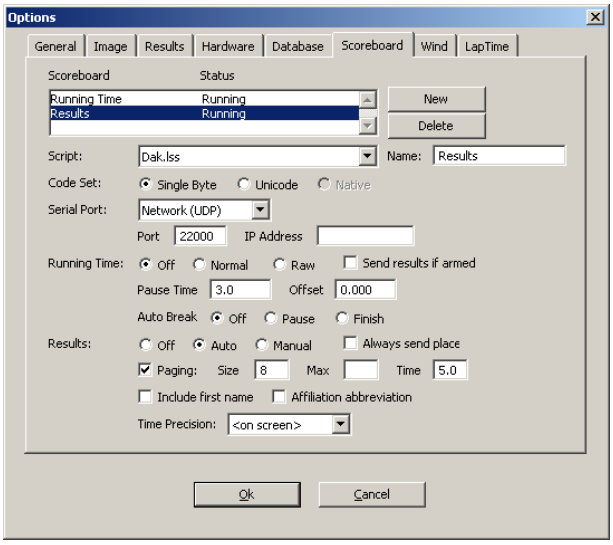


Figure 10: *Edit Station Options for Venus/V-Play Via UDP/IP*

2.6 Six or Seven-Digit Clock Setup

Reference Drawings:

TI-2020 or TI-2021 with FinishLynx ..... **Drawing A-267638**

In this setup, the display typically sets on the infield near the finish. The display can be controlled via a serial port on the capture computer or the on the Lynx connection box.

1. Identify which serial port will control the display.

2. Connect the signal converter kit (part # 0A-1125-0007) to a serial port from FinishLynx to the input jack on the display. The cabling and configurations should go according to **Drawing A-267638**.

3. Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 11***):

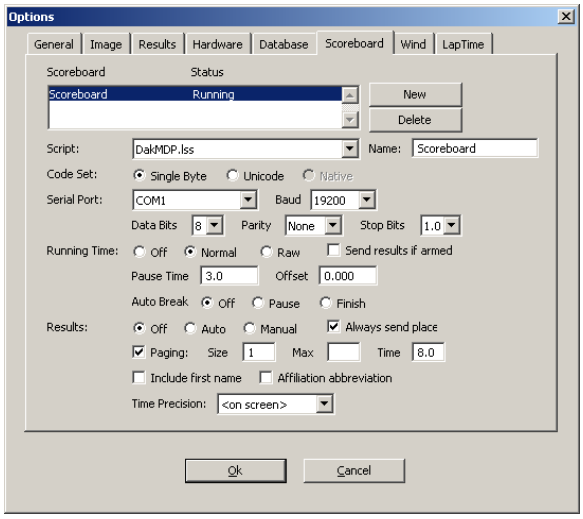


Figure 11: *Scoreboard Options for 6 or 7-Digit Clock*

   - *Script*: "DakMDP.lss"
   - *Name*: "Scoreboard"
   - *Code Set*: **Single Byte**
   - *Serial Port:* Select an available COM port.

     Note: If connecting to the serial port on the connection box, select **Camera**.

   - *Baud:* **9600**
   - *Data Bits:* **8**
   - *Parity:* **None**

- *Stop Bits:* **1.0**
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Off**
- *Paging* enabled; *Size* "1"; *Time* "8.0"

2.7 TR-3101 Setup

1. Identify which serial port will control the display.

2. Connect the signal converter kit (part # 0A-1125-0007) to a serial port from FinishLynx to the input jack on the display.

3. Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 12***):

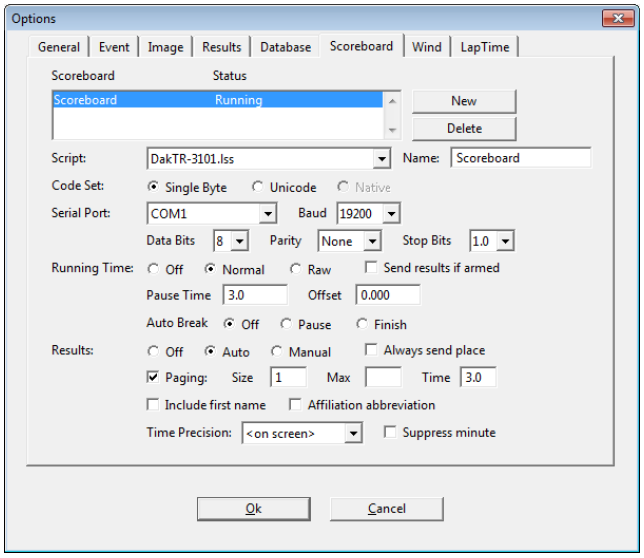


Figure 12: *Scoreboard Options for TR-3101*

   - *Script*: "DakTR-3101.lss"
   - *Name*: "Scoreboard"
   - *Code Set*: **Single Byte**
   - *Serial Port:* Select an available COM port.

   Note: If connecting to the serial port on the connection box, select **Camera**.

   - *Baud:* **19200**
   - *Data Bits:* **8**
   - *Parity:* **None**
   - *Stop Bits:* **1.0**
   - *Running Time:* **Normal**
   - *Auto Break:* **Off**
   - *Results:* **Auto**
   - *Paging* enabled; *Size* "1"; *Time* "3.0"

2.8 Galaxy Setup Via Serial Port and Signal Converter

Reference Drawing:

Riser; Hytek/Lynx/V1500, M2/M3 Galaxy, Fiber..... **Drawing B-267688**

Using this setup, FinishLynx communicates directly to the display via serial port with a signal converter. The cabling and configurations should go according to **Drawing B-267688**.

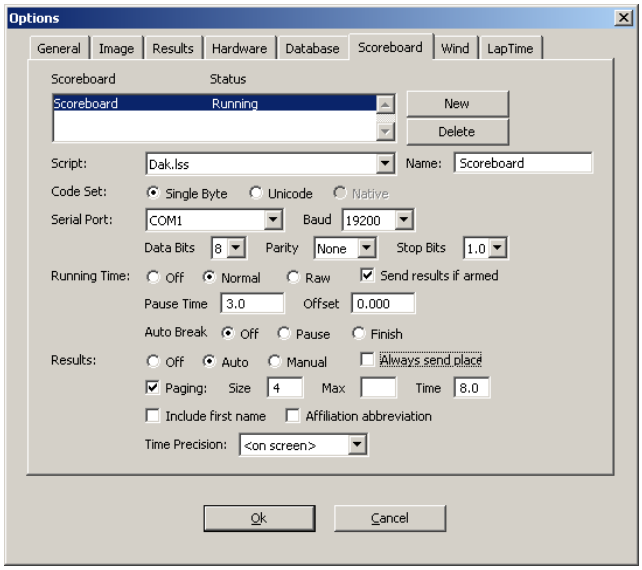


Figure 13: *Scoreboard Options for Galaxy Via Serial*

Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 13***):

- *Script*: "Dak.lss"
- *Name*: "Scoreboard"
- *Code Set*: **Single Byte**
- *Serial Port:* Select an available COM port.
- *Baud:* **19200**
- *Data Bits:* **8**
- *Parity:* **None**
- *Stop Bits:* **1.0**
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Auto**
- *Paging* enabled; set the *Size* to the number of lanes that can be displayed on the matrix display; *Time* "8.0"

2.9 Galaxy Setup Via Network UDP/IP

Reference Drawings:

Riser; V1500/M2/M3/Galaxy, Lynx/Hytek, Ethernet ..... **Drawing B-266821**
Riser; Hytek/Lynx/V1500, M2/M3 Galaxy, Fiber, SCBD..... **Drawing B-291376**
Riser; Hytek/Lynx/V1500, 2 M2/M3 Galaxy, Fiber, AS5000..... **Drawing B-298464**
Riser; Hytek/Lynx/V1500, M2/M3 Galaxy, Fiber, AS5000..... **Drawing B-298848**
Riser; Hytek/Lynx/Show Cntrl. M2/M3 Galaxy, EBR Radio..... **Drawing B-300928**
Riser; Hytek/Lynx/V1500, SSL, Fiber ..... **Drawing B-973218**
Riser; Hytek/Lynx/V1500, Fiber, SCBD, SSL ..... **Drawing B-973392**

Using this setup, FinishLynx communicates directly to the display via a network UDP/IP connection. Depending on the equipment used in a particular setup, refer to **Drawing B-266821**, **B-291376**, **B-298464**, **B-298848**, **B-300928**, **B-973218**, or **B-973392** for cabling configurations.

Set up the scoreboard options on the FinishLynx computer as follows (refer also to ***Figure 14***):

- *Script*: "Dak.lss"
- *Name*: "Scoreboard"
- *Code Set*: **Single Byte**
- *Serial Port:* **Network (UDP)**
- *Port* "3002"
- *Running Time:* **Normal**
- *Auto Break:* **Off**
- *Results:* **Auto**
- *Paging* enabled; set the *Size* to the number of lanes that can be displayed on the matrix display; *Time* "8.0"

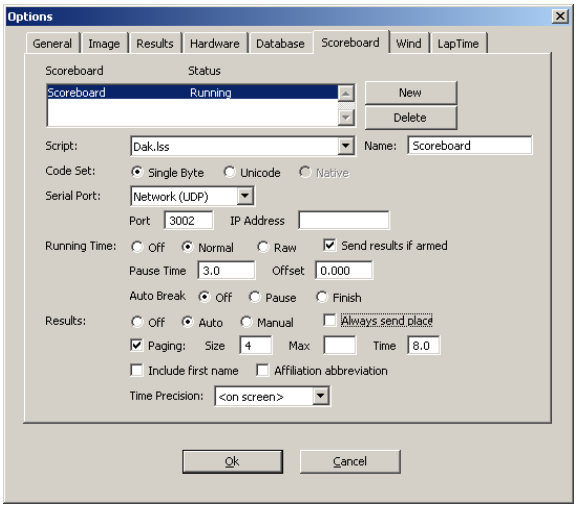


Figure 14: *Scoreboard Options for Galaxy Via UDP/IP*

2.10 Tips and Troubleshooting

- Is the correct code entered into the All Sport?
- Does the All Sport have the proper software revision? **>V1.5** for All Sport 4000, and **>V1.4** for All Sport 5000.
- Is the correct serial or network port selected? Cameras must be connected and operating for the running time to display.
- Save and close each race after finish of the race. Otherwise, the scoreboard will continue to display the race opened. The Lynx program will place an "*S*" to the left of the event the scoreboard is displaying.
- If results and running time are being received from the same COM port of the FinishLynx computer system, the FinishLynx system will transmit running time until **[ALT + S]** is pressed on the Lynx computer keyboard.
- On the FinishLynx computer, **COM1** is usually the capture button. If a button splitter cable is connected, the capture button uses pins **4**, **7**, and **8** of the serial port. The scoreboard uses pins **2**, **3**, and **5** of the serial port.
- If settings in the FinishLynx software are changed, exit out of the program and restart for the changes to take effect.
- If there are more lanes on the track than can be displayed on the scoreboard, **Paging** must be enabled, and the **Size** must be set to the number of lines the scoreboard can display. This will enable the computer to send the results for the first group lanes, and then the next group of lanes.

Section 3: Hy-Tek Track & Field Meet Manager

Hy-Tek Track & Field Meet Manager is a third-party results program. With its optional Alpha Scoreboard Interface, Hy-Tek can send start lists, results, and team scores in a standard RTD format for display on a Daktronics matrix display. If your Hy-Tek license does not include the Alpha Scoreboard Interface, contact Hy-Tek to purchase it.

For Daktronics use, the Alpha Scoreboard Interface has three options, described below:

- **Daktronics Full Matrix:** Requires that the display show at least 3 lines of 18 or more characters per line. For larger displays, the two main advantages of using this method versus Daktronics Fixed Digit is that it will show longer names and does not require unique frames for start lists, results, and team scores.
- **Daktronics Small Matrix:** Requires that the display show 3 lines of 10 or more characters per line.
- **Daktronics Fixed Digit:** Used when the operator wants to customize what will be shown on the display. The sequence requires five unique frames for start list, results, women's scores, men's scores, and awards in that order.

3.1 Daktronics Full Matrix Setup

Requires that the RTD sequence will show at least 3 lines of 16 or more characters per line.

1. Open the Meet Manager program.
2. Click **Run** on the main menu.
3. Go to **Interface > Setup > Scoreboard** (*Figure 15*).

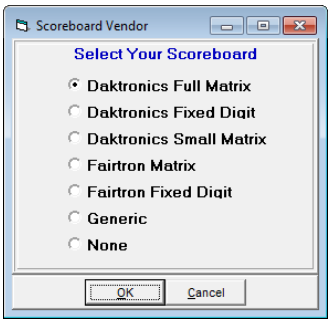


Figure 15: *Scoreboard Vendor Selection*

4. Select **Daktronics Full Matrix** and click **OK**.
5. Go to **Interfaces > Scoreboard - Daktronics Full Matrix > Open/Close Serial Port** (*Figure 16*).

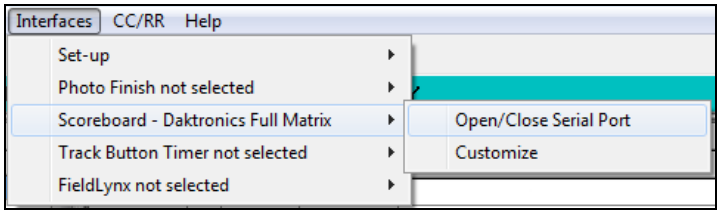


Figure 16: *Open/Close Serial Port*

6. For the *Scoreboard (1-16)* option (***Figure 17***), select the COM port number on the Hy-Tek computer that will output Standard RTD, and then click **OK**.

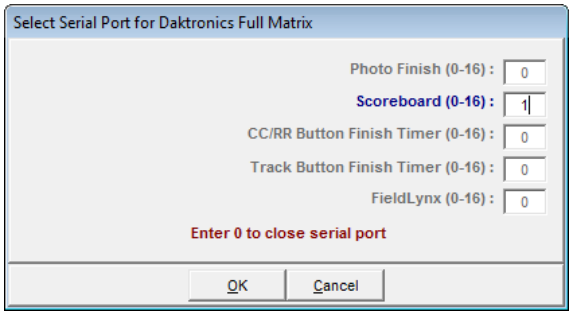


Figure 17: *Serial Port for Daktronics Full Matrix*

7. Go to **Interfaces > Scoreboard – Daktronics Full Matrix > Customize** (*Figure 18*).

- Set the *Number of Bulbs Vertically (Rows)* to the appropriate value. Calculate by multiplying the number of lines in the sequence by 8. Example: 6*8=48.
- Set the *Number of Bulbs Horizontally (Columns)* to the appropriate value. Calculate by multiplying the number of characters per line in the sequence by 6. Example: 24*6=144.
- Set the *Number of Bulbs Between Lines* to "1".

  Note: Refer to the ***Daktronics Fixed Width Font Calculator (DD2000695)*** for an interactive spreadsheet that can help determine the above values.

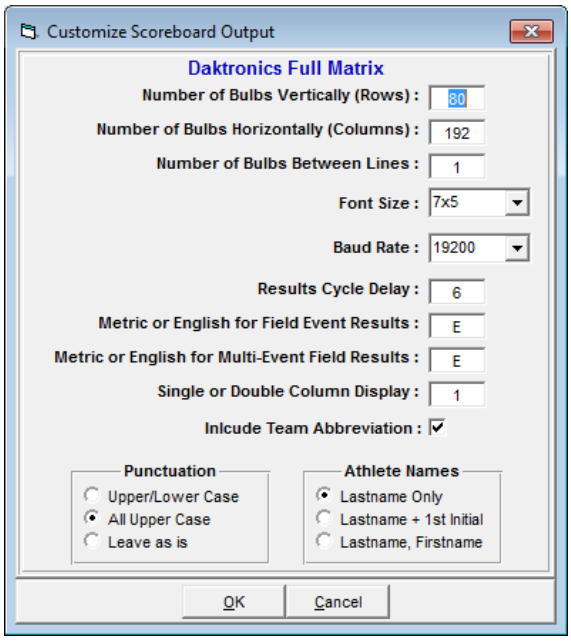


Figure 18: *Customize Daktronics Full Matrix*

- Set the *Font Size* to **7x5**.
- Set the *Baud Rate* to **19200**.
- All other settings are the user's preference.

3.2 Daktronics Small Matrix Setup

Requires that the RTD sequence has 3 lines of 10 or more characters per line.

1. Open the Meet Manager program.
2. Click **Run** on the main menu.
3. Go to **Interface > Setup > Scoreboard** (*Figure 19*).

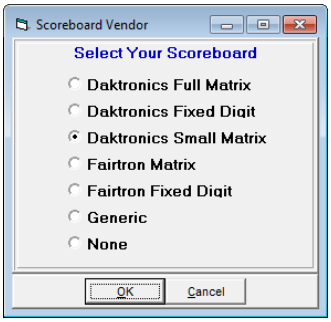


Figure 19: *Scoreboard Vendor Selection*

4. Select **Daktronics Small Matrix** and click **OK**.
5. Go to **Interfaces > Scoreboard - Daktronics Small Matrix > Open/Close Serial Port** (*Figure 20*).

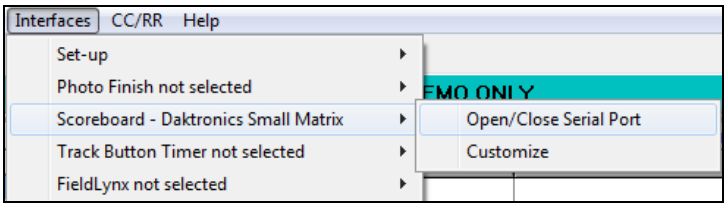


Figure 20: *Open/Close Serial Port*

6. For the *Scoreboard (1-16)* option (***Figure 21***), select the COM port number on the Hy-Tek computer that will output Standard RTD, and then click **OK**.

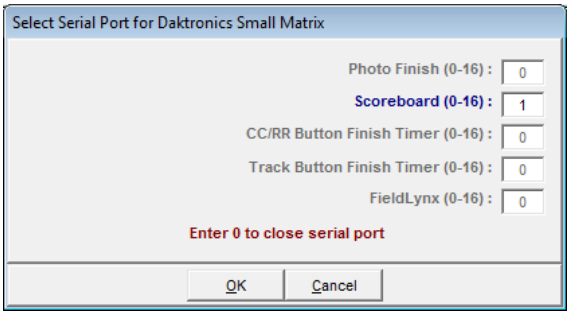


Figure 21: *Serial Port for Daktronics Small Matrix*

7. Go to **Interfaces > Scoreboard – Daktronics Small Matrix > Customize** (*Figure 22*).

- Set the *Number of Bulbs Vertically (Rows)* to "24".
- Set the *Number of Bulbs Horizontally (Columns)* to the appropriate value. Calculate by multiplying the number of characters per line in the sequence by 6. Example: 16*6=96.
- Set the *Number of Bulbs Between Lines* to "1".

  Note: Refer to the ***Daktronics Fixed Width Font Calculator (DD2000695)*** for an interactive spreadsheet that can help determine the above values.

- Set the *Font Size* to **7x5**.
- Set the *Baud Rate* to **19200**.
- All other settings are the user's preference.

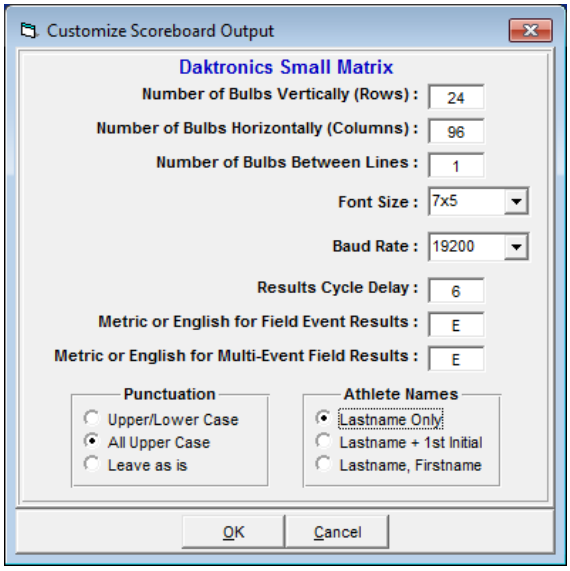


Figure 22: *Customize Daktronics Small Matrix*

3.3 Daktronics Fixed Digit Setup

This setting is used when the operator wants to customize what will be shown on the display. The sequence requires five unique frames for Start List, Results, and Team Scores. Frame 1 is Start List, Frame 2 is Results, Frame 3 is Women's Scores, Frame 4 is Men's Scores, and Frame 5 is Awards. If using this choice with a Venus 7000, the sequence must be played in **Selected Frame Mode**.

1. Open the Meet Manager program.
2. Click **Run** on the main menu.
3. Go to **Interface > Setup > Scoreboard** (*Figure 23*).

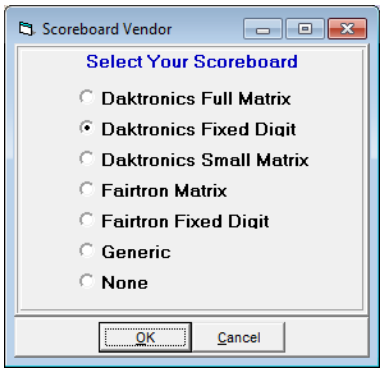


Figure 23: *Scoreboard Vendor Selection*

4. Select **Daktronics Fixed Digit** and click **OK**.

5. Go to **Interfaces > Scoreboard - Daktronics Fixed Digit > Open/Close Serial Port** (*Figure 24*).

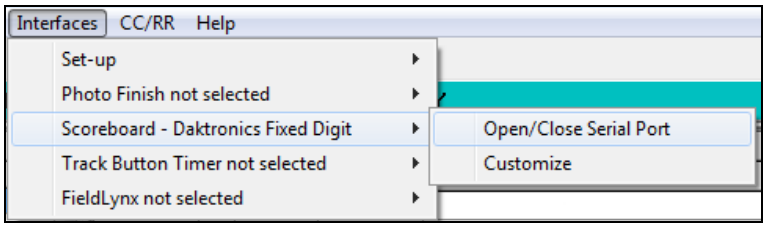


Figure 24: *Open/Close Serial Port*

6. For the *Scoreboard (1-16)* option (***Figure 25***), select the COM port number on the Hy-Tek computer that will output Standard RTD, and then click **OK**.

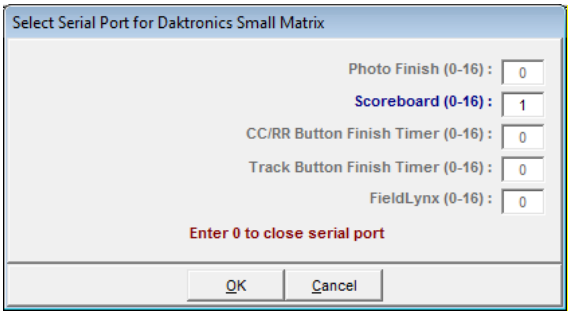


Figure 25: *Serial Port for Daktronics Fixed Digit*

7. Go to **Interfaces > Scoreboard – Daktronics Fixed Digit > Customize** (*Figure 26*).

- Set the *Number of Lanes on Board* to the number of competitors that will be shown on one frame of the sequence.
- Set the *Baud Rate* to **19200**.

  Note: Some older systems using the Fixed Digit output were set to "9600" baud.

- All other settings are the user's preference.

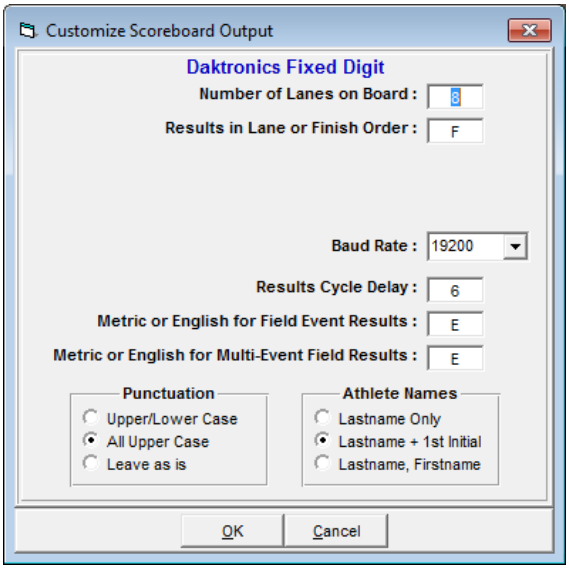


Figure 26: *Customize Daktronics Fixed Digit*

3.4 Sending Start Lists, Results, & Team Scores from Hy-Tek

There are two ways to get information from Hy-Tek. One way is to push the information from the Hy-Tek program. These instructions are listed below. There is also a request program that allows the Venus 7000 operator to pull information from Hy-Tek. For more information about this method, refer to the ***Daktronics Venus 7000 Controller Track Setup Guide (ED-12636)***.

The usual method of operation from the Run Menu within the Hy-Tek software is as follows:

1. Get heat on screen and press **[Ctrl] + [F10]** to display start list.
2. Enter results for a heat, section, or flight.
3. Press **[Ctrl] + [F11]** to instantly display these results.
4. Press **[F5]** for next heat and repeat steps 1, 2, and 3.
5. After the results for the last heat, section, or flight are entered, press **[Ctrl] + [F12]** to display complete results for the entire round.

Any start list, result, or team score can be displayed at any time from the Run Menu by pressing **[Ctrl] + [F1]**. A selection box will appear as shown in ***Figure 27***.

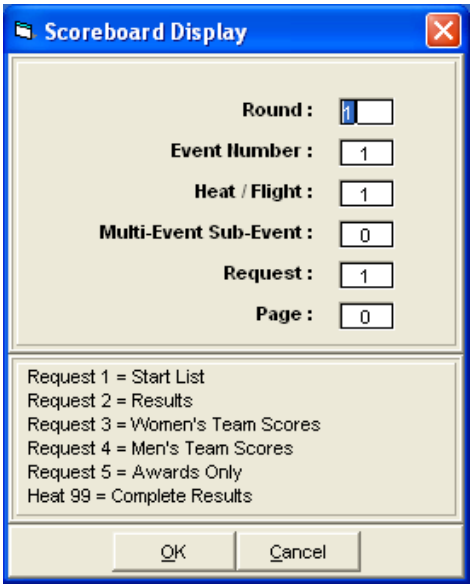


Figure 27: *Scoreboard Display Requests*

Request Choices

Start Lists and Results: Enter the desired *Round*, *Event Number*, and *Heat/Flight* and then enter a *Request* for a Start List ("1") or Results ("2"). Entering "99" for the *Heat/Flight* and "2" for *Request* will show complete results for the selected round and event.

Combined-events: To display a combined-event, also enter the *Multi-Event Sub-Event* number.
To display combined-event total scores for all sub-events, enter "99" for the *Heat/Flight* and "0" for *Multi-Event Sub-Event*.

Team Scores: Use Request "3" and "4" for team scores. If there are separate team scores for divisions, enter the division number in the *Heat/Flight* number field. For example, when scoring class A (division 1) and class AA (division 2) in the same meet, enter *Request* "3" and *Heat/Flight* "2" to get girls team scores for the AA division and enter *Request* "4" and *Heat/Flight* "1" to get boys team scores for the A division. If an event is a Cross Country event, be sure to also include the *Event Number* so that the software will show the CC team scores.

Award Ceremonies: If there are award ceremonies, enter "5" for *Request* along with the *Event Number*, and the award winners will be displayed for the event based on what was put in the Hy-Tek Meet Set-up Part B for number getting awards. If the event is set up as multi-age group, the awards for each age group will be displayed on a rotational basis.

Paging: If a particular request has more than one screen full of information, the "pages" are cycled. A *Page* number of "0" means cycle all pages normally. To continually display a particular page, enter the specific *Page* number. This can be useful when an announcer is calling out the entrants in a larger event, such as the 16 person mile.

3.5 System Riser Diagrams

Refer to the drawings below for a particular type of display and display controller.

Venus 1500 Version 3.xx Controlled Displays

Reference Drawings:

Riser; V1500/M2/M3/Galaxy, Lynx/Hytek, Ethernet ..... **Drawing B-266821**
Riser; Hytek/Lynx/V1500, M2/M3 Galaxy, Fiber ..... **Drawing B-267688**
Riser; Hytek/Lynx/V1500, M2/M3 Galaxy, Fiber, SCBD ..... **Drawing B-291376**
Riser; Hytek/Lynx/V1500, 2 M2/M3 Galaxy, Fiber, AS5000 ..... **Drawing B-298464**
Riser; Hytek/Lynx/V1500, M2/M3 Galaxy, Fiber, AS5000. ..... **Drawing B-298848**
Riser; Hytek/Lynx/Show Cntrl. M2/M3 Galaxy, EBR Radio ..... **Drawing B-300928**
Riser; Hytek/Lynx/V1500, SSL, Fiber ..... **Drawing B-973218**
Riser; Hytek/Lynx/V1500, Fiber, SCBD, SSL ..... **Drawing B-973392**

Show Control System w/ SS, SSL & AF-3500 Displays

Reference Drawings:

System Riser; Standard SC RTD, Track/ Finish-Lynx, M3/SSL ..... **Drawing B-1019567**
System Riser; Track M3 Matrix w/ Omni2K in Pressbox ..... **Drawing B-1072146**
System Riser; Standard SC RTD, Track, DVX ..... **Drawing B-1068144**

Show Control System w/ DVX Displays

Reference Drawings:

System Riser; Standard SC RTD, Track, DVX ..... **Drawing B-1068144**

DMP-7000 (Venus 7000) or V-Play Controller

Reference Drawings:

System Riser: F.Lynx/Hytek/Venus Via Comm Ports ..... **Drawing B-127739**
System Riser: Finish Lynx/Hytek/Venus Via Network ..... **Drawing B-267013**
Riser; Hytek/Lynx/V7000, Fiber, SCBD ..... **Drawing B-267220**

Section 4: Additional Resources

4.1 Contact Information

Daktronics

Mail: Daktronics, Inc., Customer Service
201 Daktronics Drive
P.O. Box 5128
Brookings, SD 57006

Phone: Help Desk: 1-800-843-9879 or 1-605-697-4400

Customer Service Fax: 1-605-697-4444

Email: helpdesk@daktronics.com

Finish Lynx

Phone: 800-989-5969
Email: info@finishlynx.com
Website: www.finishlynx.com

Hy-Tek

Phone: 615-599-4364
Email: tfmm@hy-tekltd.com
Website: www.hy-tekltd.com

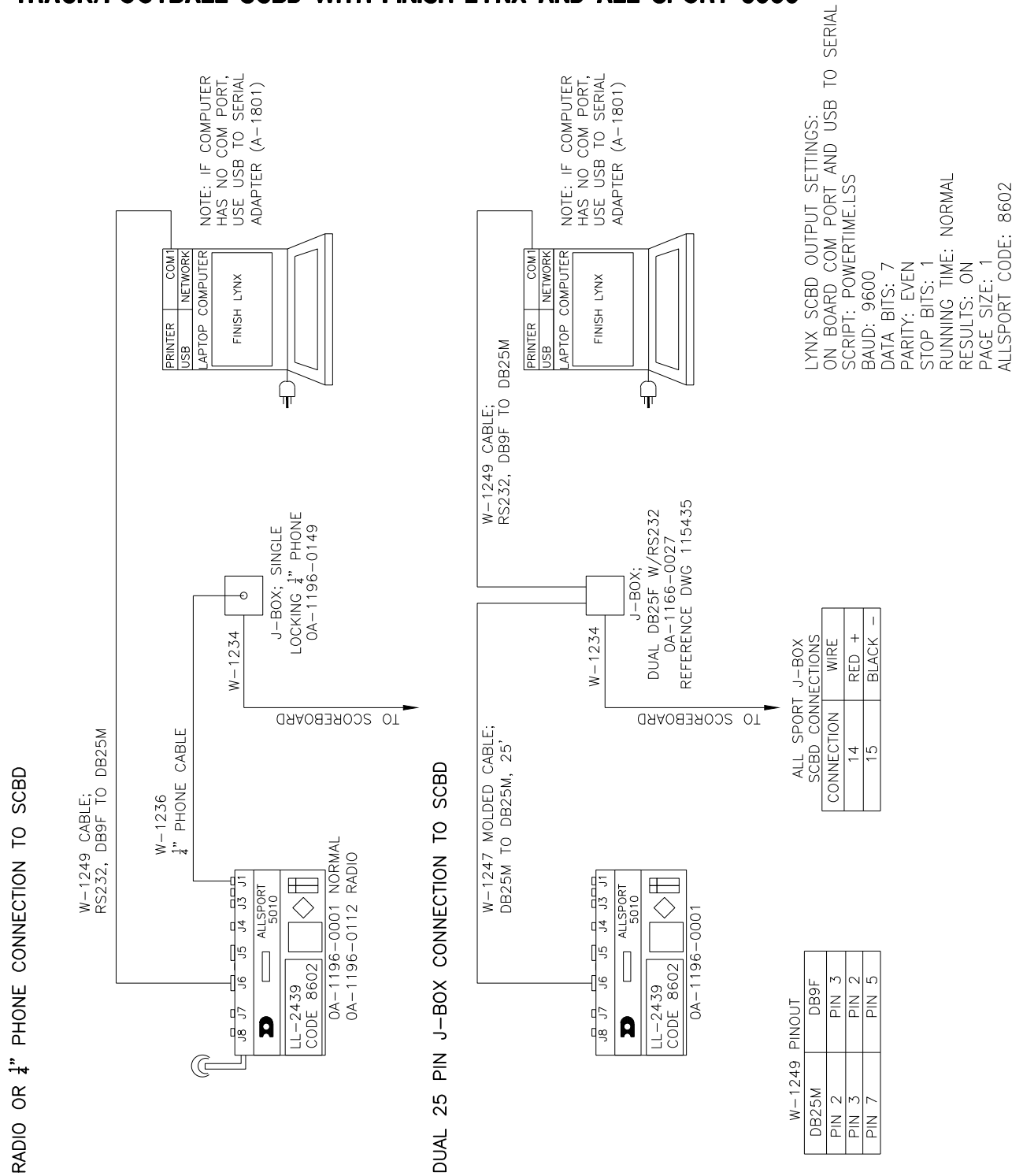
4.2 Daktronics Manuals

- ***All Sport 4000 Series Control Console Operations Manual (ED-9999)****
- ***All Sport 5000 Series Control Console Operations Manual (ED-11976)****
- ***LED Aquatics/Track Displays SW-2000 Series Display Manual (ED-12156)****
- ***Daktronics Venus 7000 Controller Track Setup Guide (ED-12636)****
- ***V-Play Digital Audio/Video Server Operator's Manual (ED-13120)***
- ***Venus 1500 Software Version 3 Operations Manual (ED-13530)****
- ***Venus 7000 Controller Operators' Manual (ED-14551)***

* Available online at www.daktronics.com/manuals.

Appendix A: Reference Drawings

TRACK/FOOTBALL SCBD WITH FINISH LYNX AND ALL SPORT 5000



REV	DATE:		BY:
04	23 NOV 10	UPDATED DRAWING TO BE MORE UNIVERSAL, USE ALL SPORT 5000, AND ONLY INCLUDE POWERTIME SCRIPT	AMG
03	04 OCT 07	ADDED POWERTIME SCRIPT FOR WHEN USING USB TO 9 PIN ADAPTER	SAL
02	05 SEP 01	CHANGED TEXT	GWS
01	15 SEP 98	ADDED LYNX SCBD OUTPUT SETTINGS	CJB

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK SYSTEM RISER DIAGRAM OPTION #3
TITLE: TRACK/FOOTBALL SCBD W/ FINISH LYNX & ALL SPORT 5000
DESIGN: | DRAWN: AGORDER | DATE: 07-28-97
SCALE: 1=1

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	04	P1125	P-08-A	95152

TRACK SYSTEM RISER DIAGRAM

TRACK/FOOTBALL SCBD W/ FINISH LYNX

TYPICAL INTERFACE EQUIPMENT NEEDED:

QTY

1 SIGNAL CONVERTER (0A-1065-0173)
1 J-BOX (0A-1009-0038)
1 CABLE (W-1236)
1 CABLE (W-1267)

STANDS

LYNX SCBD OUTPUT SETTINGS:

SETTINGS WHEN USING 9 PIN COM PORT	OR	SETTINGS WHEN USING USB TO 9 PIN ADAPTOR
SCRIPT: ALLSPORT.LSS		SCRIPT: POWERTIME.LSS
BAUD: 12,800		BAUD: 9600
DATA BITS: 8		DATA BITS: 7
PARITY: EVEN		PARITY: EVEN
STOP BITS: 2		STOP BITS: 1
RUNNING TIME: NORMAL		RUNNING TIME: NORMAL
RESULTS: ON		RESULTS: ON
PAGE SIZE: 1		PAGE SIZE: 1
ALLSPORT CODE: 8604		ALLSPORT CODE: 8602

REV	DATE:		BY:
05	27 NOV 13	UPDATED BORDER, TITLE BLOCK, REVISION BLOCKS	ACB
REV	DATE:		BY:
04	04 OCT 07	ADDED POWERTIME SCRIPT WHEN USING A USB TO 9 PIN ADAPTOR CABLE	SAL
REV	DATE:		BY:
03	15 SEP 03	CHANGED SIGNAL CONVERTER DRAWING TO SHOW JACK NUMBERS AND PINS.	LWS
REV	DATE:		BY:
02	05SEP01	CHANGED SOME TEXT	GWS
REV	DATE:		BY:
01	15 SEP 98	ADDED LYNX SCBD OUTPUT SETTINGS	CJB

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK SYSTEM RISER DIAGRAM OPTION #1

TITLE: TRACK/FOOTBALL SCBD W/ FINISH LYNX- IN FIELD

DESIGN:

DRAWN: JWHITAK

DATE: 07-28-97

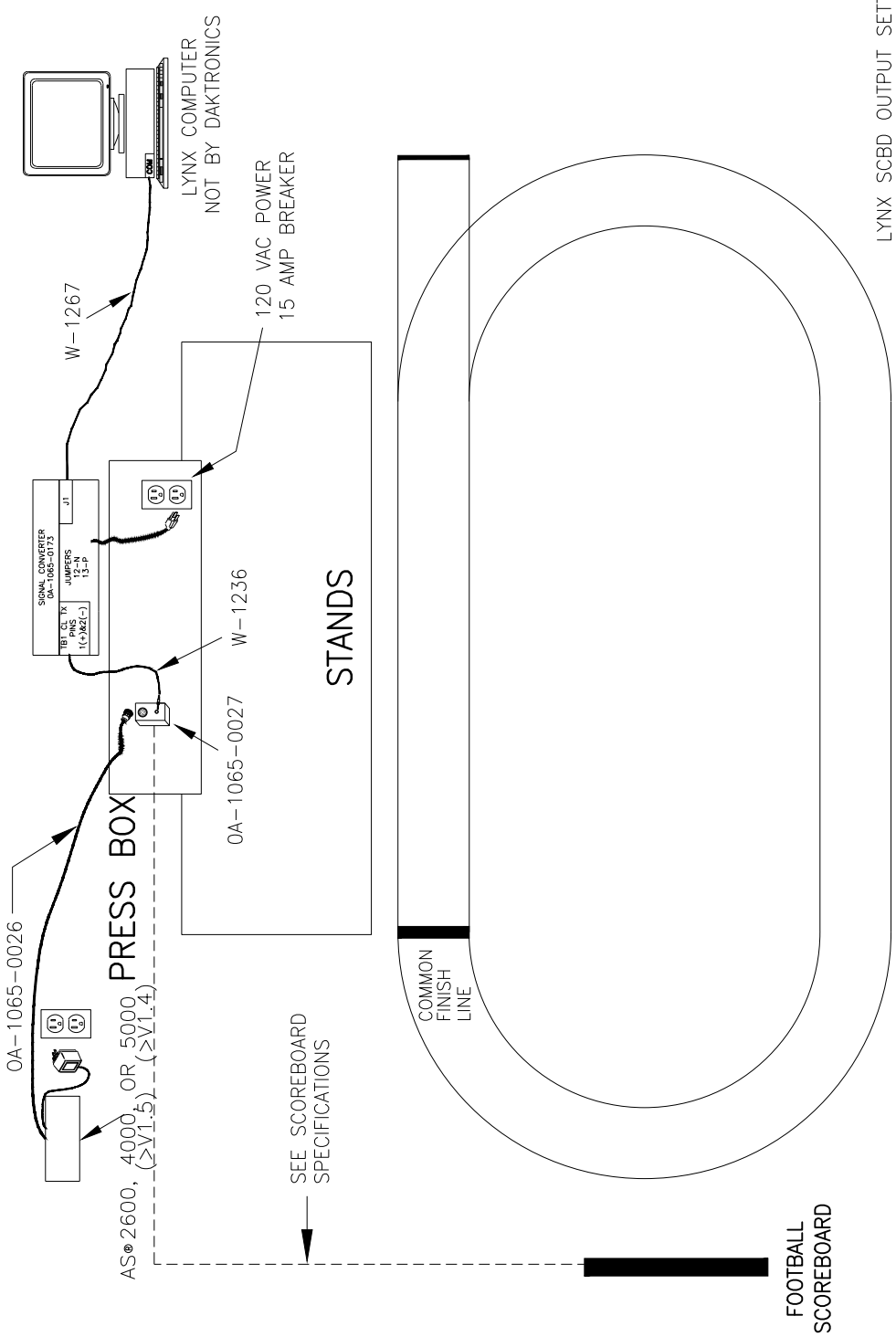
SCALE: 1=1

SHEET	REV	JOB NO:	FUNC - TYPE - SIZE
	05	P1125	P - 08 - A

95153

TRACK SYSTEM RISER DIAGRAM

TRACK/FOOTBALL SCBD W/ FINISH LYNX



LYNX SCBD OUTPUT SETTINGS:

SETTINGS WHEN USING 9 PIN COM PORT		SETTINGS WHEN USING USB TO 9 PIN ADAPTOR
SCRIPT: ALLSPORT.LSS		SCRIPT: POWERTIME.LSS
BAUD: 12,800		BAUD: 9600
DATA BITS: 8		DATA BITS: 7
PARITY: EVEN		PARITY: EVEN
STOP BITS: 2		STOP BITS: 1
RUNNING TIME: NORMAL		RUNNING TIME: NORMAL
RESULTS: ON		RESULTS: ON
PAGE SIZE: 1		PAGE SIZE: 1
ALLSPORT CODE: 8604	OR	ALLSPORT CODE: 8602

TYPICAL INTERFACE EQUIPMENT NEEDED:

QTY	
1	SIGNAL CONVERTER (OA-1065-0173)
1	J-BOX (OA-1065-0027)
1	CABLE (W-1236)
1	CABLE (W-1267)

REV	DATE:		BY:	
06	27 NOV 13	UPDATED BORDER, TITLE BLOCK, REVISION BLOCK	ACB	
05	04 OCT 07	ADDED POWERTIME SCRIPT FOR WHEN USING A USB TO 9 PIN ADAPTOR	SAL	
04	15 SEP 03	CHANGED SIGNAL CONVERTER DRAWING TO SHOW JACK NUMBERS AND PINS.	LWS	
03	6 JUNE 01	ADDED AS 5000 OPTION	JDB	
02	15 SEP 98	ADDED LYNX SCBD OUTPUT SETTINGS	CJB	
01	26 JUNE 98	REVISED PART NUMBERS.	HBB	

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

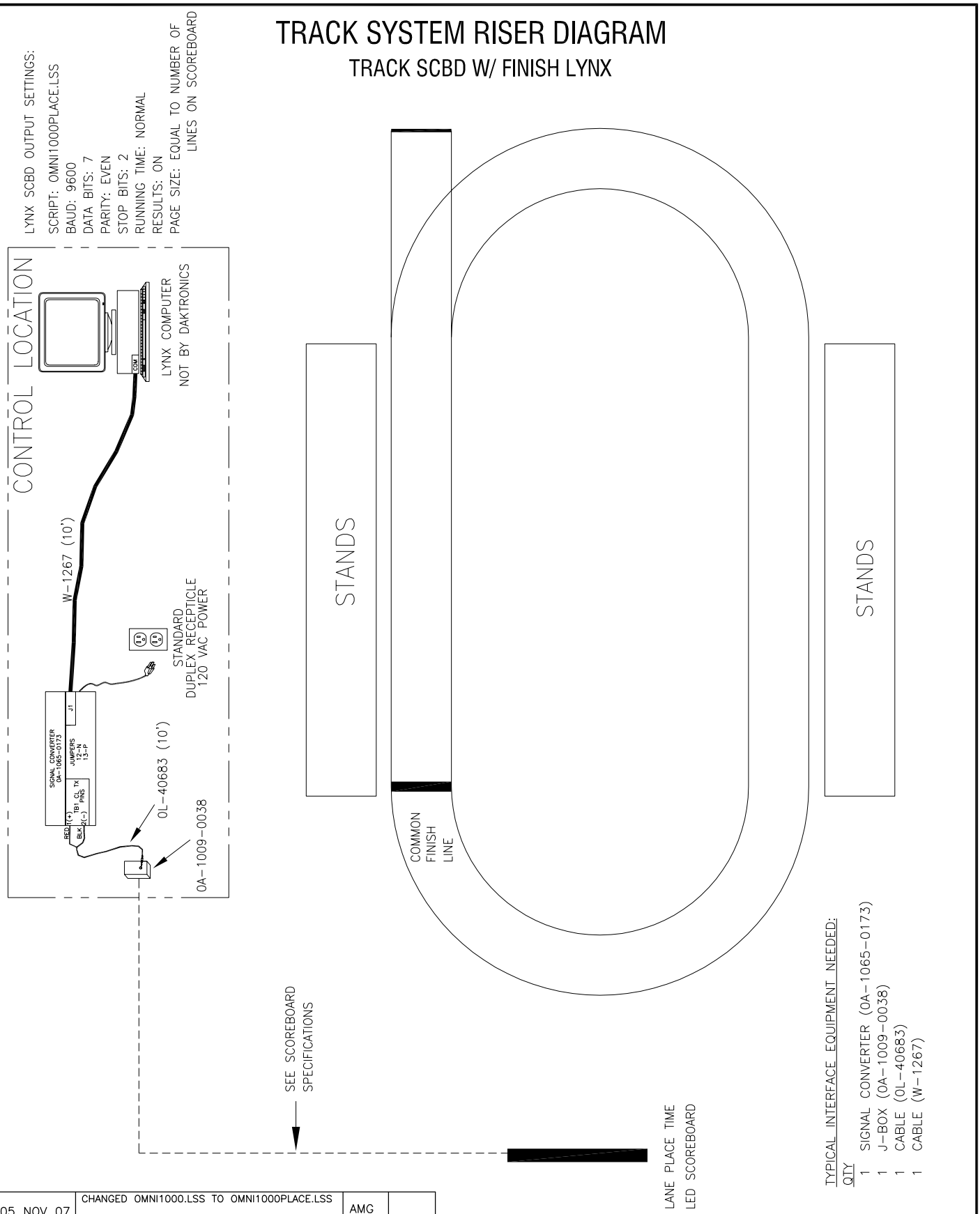
PROJ: TRACK SYSTEM RISER DIAGRAM OPTION #2
TITLE: TRACK/FOOTBALL SCBD W/ FINISH LYNX- IN PRESS BOX
DESIGN: | DRAWN: JWHITAK | DATE: 07-28-97
SCALE: 1=1

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE
	06	P1125	P - 08 - A

95154

TRACK SYSTEM RISER DIAGRAM

TRACK SCBD W/ FINISH LYNX



REV.	DATE	DESCRIPTION	BY	APPR.
05	05 NOV 07	CHANGED OMNI1000.LSS TO OMNI1000PLACE.LSS	AMG	
04	21 MAR 05	REORGANIZED DRAWING ADDED DETAIL TO SIG CONVERTER	KQB	
3	15 SEP 03	CHANGED SIGNAL CONVERTER DRAWING TO SHOW JACK NUMBERS AND PINS	LWS	
2	28 DEC 98	UPDATED DRAWING; ADDING LYNX SCBD OUTPUT SETTINGS.	CJB	
1	29 JUNE 98	UPDATED DESCRIPTION OF SCBD.	HBB	

DAKTRONICS, INC. BROOKINGS, SD 57006

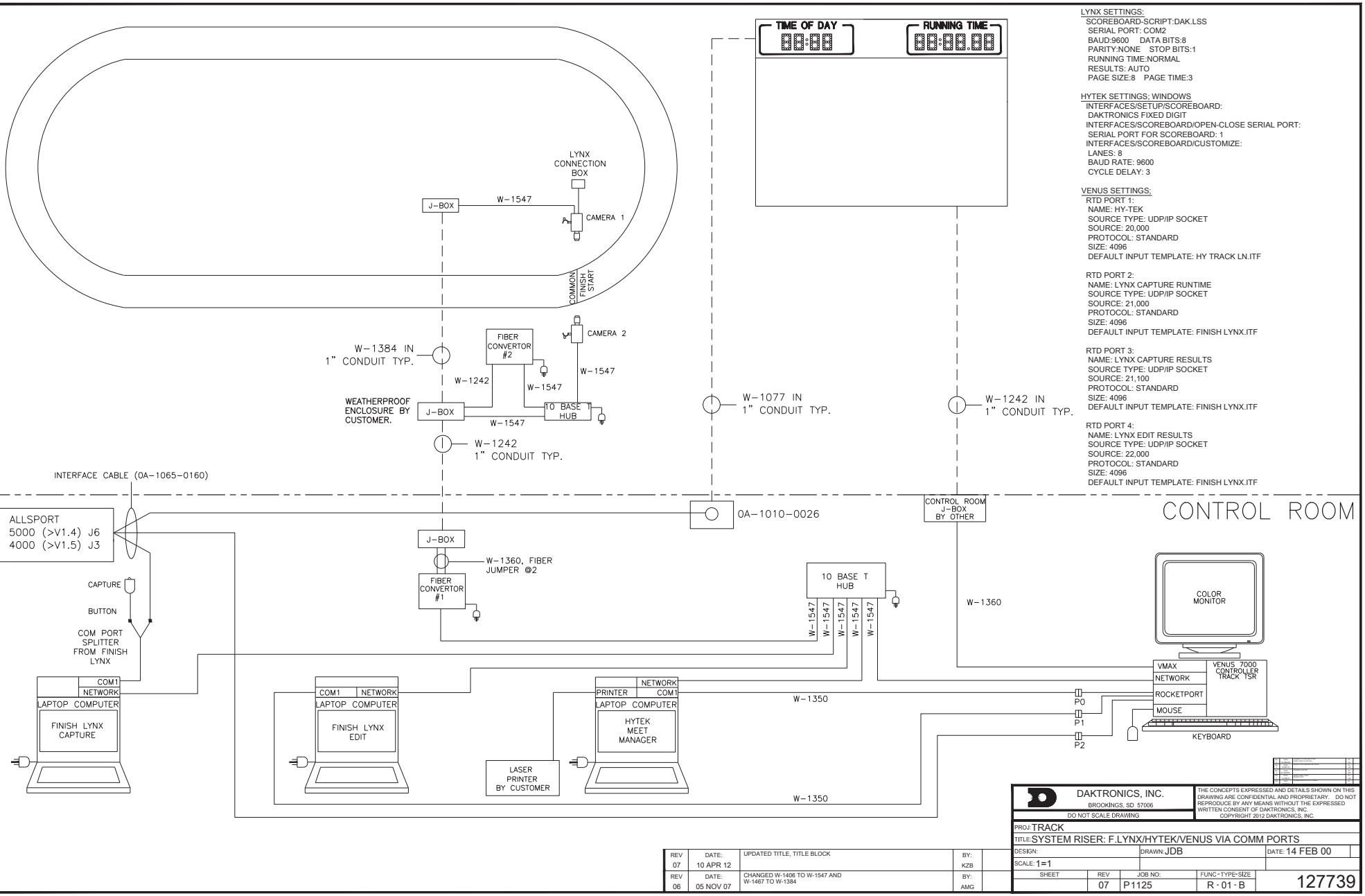
PROJ: TRACK SYSTEM RISER DIAGRAM OPTION #4

TITLE: TRACK SCBD W/ FINISH LYNX, IN PRESS BOX

DES. BY: DRAWN BY: HBONER DATE: 26 JUNE 98

REVISION 05 | APPR. BY: | SCALE: 1=1

1125-R01A-104300



LYNX SETTINGS:
SCOREBOARD-SCRIPT:DAK.LSS
SERIAL PORT: COM2
BAUD:9600 DATA BITS:8
PARITY:NONE STOP BITS:1
RUNNING TIME:NORMAL
RESULTS: AUTO
PAGE SIZE:8 PAGE TIME:3

HYTEK SETTINGS; WINDOWS
INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FIXED DIGIT
INTERFACES/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
LANES: 8
BAUD RATE: 9600
CYCLE DELAY: 3

VENUS SETTINGS:
RTD PORT 1:
NAME: HY-TEK
SOURCE TYPE: UDP/IP SOCKET
SOURCE: 20,000
PROTOCOL: STANDARD
SIZE: 4096
DEFAULT INPUT TEMPLATE: HY TRACK LN.ITF

RTD PORT 2:
NAME: LYNX CAPTURE RUNTIME
SOURCE TYPE: UDP/IP SOCKET
SOURCE: 21,000
PROTOCOL: STANDARD
SIZE: 4096
DEFAULT INPUT TEMPLATE: FINISH LYNX.ITF

RTD PORT 3:
NAME: LYNX CAPTURE RESULTS
SOURCE TYPE: UDP/IP SOCKET
SOURCE: 21,100
PROTOCOL: STANDARD
SIZE: 4096
DEFAULT INPUT TEMPLATE: FINISH LYNX.ITF

RTD PORT 4:
NAME: LYNX EDIT RESULTS
SOURCE TYPE: UDP/IP SOCKET
SOURCE: 22,000
PROTOCOL: STANDARD
SIZE: 4096
DEFAULT INPUT TEMPLATE: FINISH LYNX.ITF

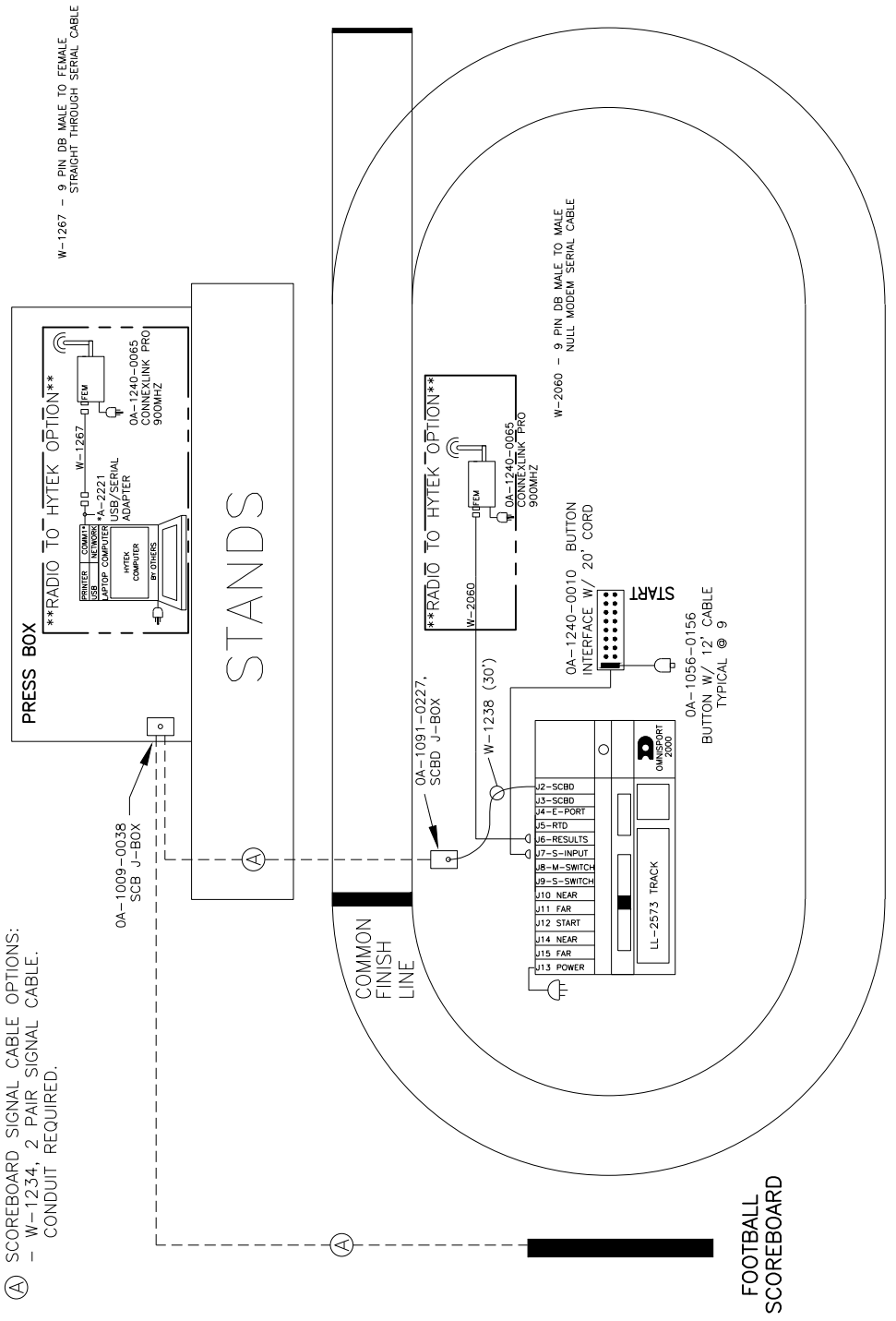
REV	DATE:	UPDATED TITLE, TITLE BLOCK	BY:
07	10 APR 12		KZB
REV	DATE:	CHANGED W-1406 TO W-1547 AND W-1467 TO W-1384	BY:
06	05 NOV 07		AMG

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK
TITLE: SYSTEM RISER: F.LYNX/HYTEK/VENUS VIA COMM PORTS
DESIGN: DRAWN: JDB DATE: 14 FEB 00
SCALE: 1=1
SHEET REV JOB NO: FUNC-TYPE-SIZE
07 P1125 R-01-B
127739

TRACK SYSTEM RISER DIAGRAM

FOOTBALL/TRACK SCBD WITH
OMNISPORT 2000, TRACK SIDE



Ⓐ SCOREBOARD SIGNAL CABLE OPTIONS:
- W-1234, 2 PAIR SIGNAL CABLE.
CONDUIT REQUIRED.

DIP SWITCH SETTINGS FOR CONNEXLINK PRO RADIO'S
-CLIENT #1 ON, #2,3,4,5,6 OFF
-SERVER #1,5 ON, #2,3,4,6 OFF

TRACK EQUIPMENT BOM:
OMNISPORT 2000 (TRACK TIMER) @ 1
W-1238 30' SIGNAL CABLE @ 1
0A-1091-0227 TRACK SIDE J-BOX @ 1
0A-1240-0010 BUTTON INTERFACE @ 1
0A-1056-0156 12' PUSH BUTTON @ 9

-IF MORE THAN 8 LANES ARE REQUIRED, OR MORE THAN 1 BUTTON PER LANE, REPLACE 0A-1240-0010 WITH 0A-1240-0016 AND ORDER THE NUMBER OF BUTTONS NEEDED.

REV	DATE:		BY:	
07	02 AUG 13	CHANGED RADIO'S TO CONNEXLINK PRO AND UPDATED CABLES BETWEEN HY-TEK AND OMNISPORT	CME	
06	18 APR 12	UPDATED CABLE PART NUMBERS FOR RTD RADIOS	KZB	
05	19 AUG 11	UPDATED CABLES FROM RADIOS	KZB	
04	15 SEPT 09	ADDED RADIO TO HYTEK OPTION	CME	
03	28 DEC 05	DELETED START CABLE OPTIONS AND STARTING EQUIPMENT	SAL	
02	10 FEB 04	UPDATED DRAWING TITLE BLOCK AND TEXT	MWM	
01	13 MAY 03	ADDED TYPCAL FOR CABLE REQUIREMENTS TO NOTE. ALSO ADDED FOOTBALL MODE ONLY FOR THE ALL SPORT 5000.	SAL	

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: OMNISPORT 2000
TITLE: SYSTEM RISER: FB/TRACK SCBD W/ OMNI2K- TRACK SIDE
DESIGN: MMILLER | DRAWN: MMILLER | DATE: 08 APR 03
SCALE: NONE

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	07	P1240	R - 01 - A	186535

TRACK SYSTEM RISER DIAGRAM

TRACK SCBD WITH
OMNISPORT 2000E, TRACK SIDE

Ⓐ SCOREBOARD SIGNAL CABLE OPTIONS:
- W-1234, 2 PAIR SIGNAL CABLE.
  CONDUIT REQUIRED.

TRACK EQUIPMENT BOM:
0A-1240-0082 OMNISPORT 2000E (TRACK TIMER) @ 1
W-1238 30' SIGNAL CABLE @ 1
0A-1091-0227 TRACK SIDE J-BOX @ 1
0A-1240-0010 BUTTON INTERFACE @ 1
0A-1056-0156 12' PUSH BUTTON @ 9

-IF MORE THAN 8 LANES ARE REQUIRED, OR MORE THAN 1 BUTTON PER LANE, REPLACE 0A-1240-0010 WITH 0A-1240-0016 AND ORDER THE NUMBER OF BUTTONS NEEDED.

REV	DATE:		BY:
06	14 FEB 14	UPDATED HYTEK RADIO EQUIPMENT.	SMB
05	18 APR 12	UPDATED CABLES FROM RADIOS	KZB
04	15 SEPT 09	ADDED RADIO TO HYTEK OPTION	CME
03	28 DEC 05	DELETED START CABLE AND START EQUIPMENT OPTIONS	SAL
02	10 FEB 04	UPDATED TITLE BLOCK AND DRAWING TEXT.	MWM
01	13 MAY 03	ADDED TYPICAL FOR ALL CABLE REQUIREMENTS IN NOTE	SAL

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: OMNI SPORT 2000E TIMER

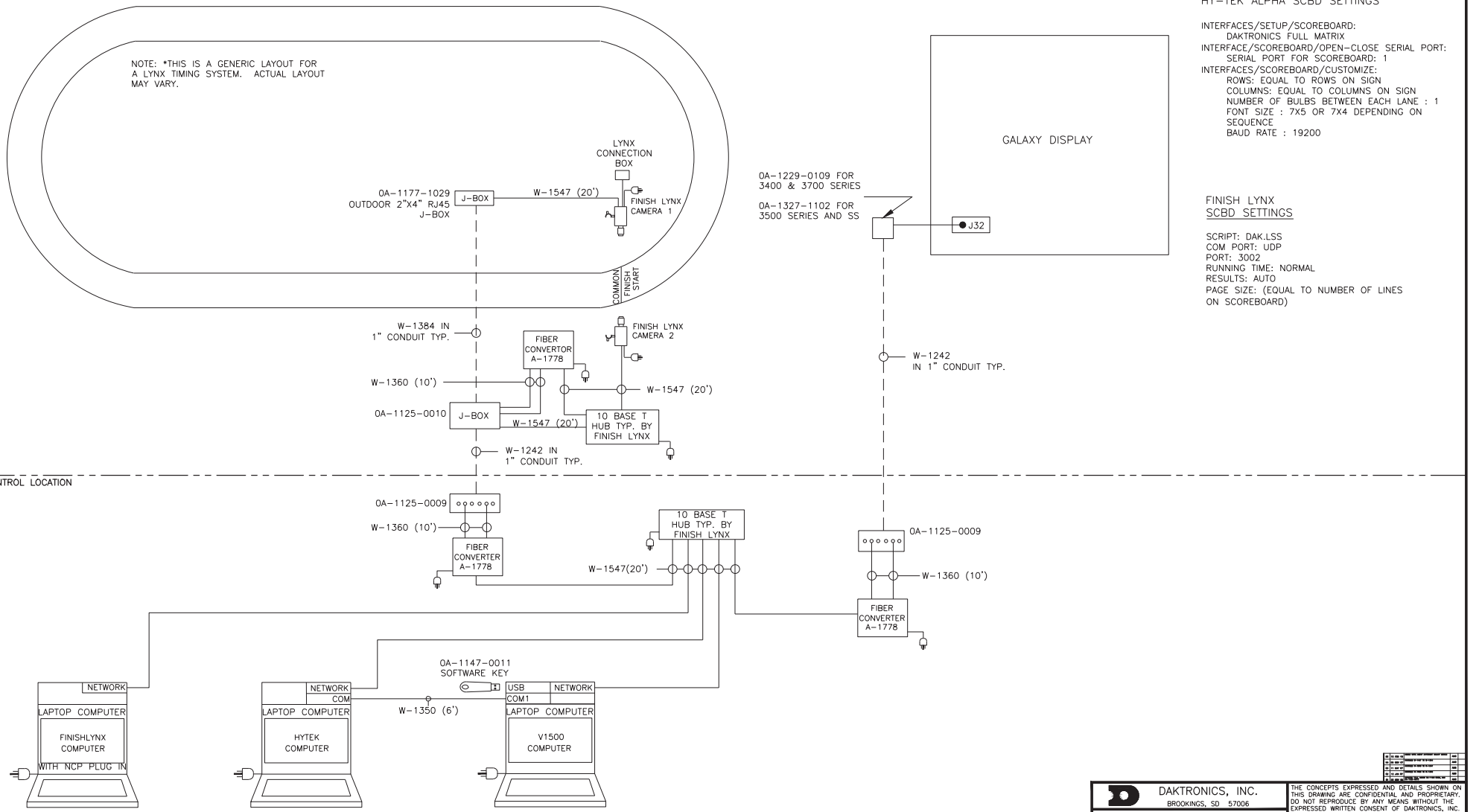
TITLE: SYSTEM RISER: TRACK SCBD /W OMNI 2K- TRACK SIDE

DESIGN: MMILLER | DRAWN: MMILLER | DATE: 08 APR 03

SCALE: 1=1

SHEET	REV	JOB NO:	FUNC - TYPE - SIZE
	06	P1240	R - 01 - A

186548



HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE : 1
FONT SIZE : 7X5 OR 7X4 DEPENDING ON SEQUENCE
BAUD RATE : 19200

FINISH LYNX
SCBD SETTINGS

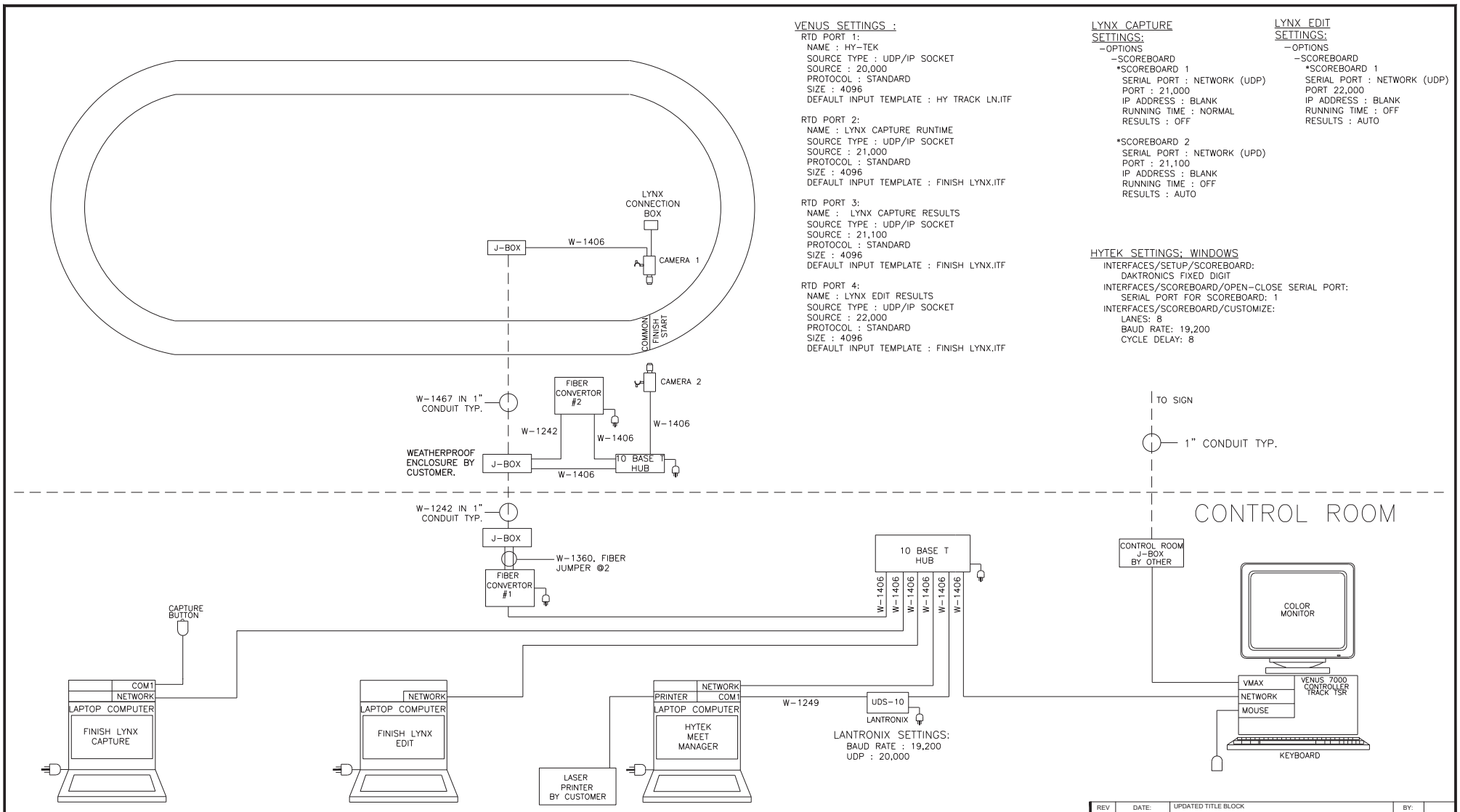
SCRIPT: DAK.LSS
COM PORT: UDP
PORT: 3002
RUNNING TIME: NORMAL
RESULTS: AUTO
PAGE SIZE: (EQUAL TO NUMBER OF LINES ON SCOREBOARD)

REV	DATE:	TITLE UPDATED	BY:
07	10 APR 12		KZB
REV	DATE:	DWG INACTIVATED DUE TO SHOW CONTROL SEE RELEVANT DWGS	BY:
06	30 AUG 11		KZB

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK
TITLE: RISER; V1500/M2/M3/GALAXY, LYNX/HYTEK, ETHERNET
DESIGN: JWARNE | DRAWN: JFELBER | DATE: 14 MAR 06
SCALE: NONE

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	07	P1125	R-01-B	266821



VENUS SETTINGS :
RTD PORT 1:
NAME : HY-TEK
SOURCE TYPE : UDP/IP SOCKET
SOURCE : 20,000
PROTOCOL : STANDARD
SIZE : 4096
DEFAULT INPUT TEMPLATE : HY TRACK LN.ITF

RTD PORT 2:
NAME : LYNX CAPTURE RUNTIME
SOURCE TYPE : UDP/IP SOCKET
SOURCE : 21,000
PROTOCOL : STANDARD
SIZE : 4096
DEFAULT INPUT TEMPLATE : FINISH LYNX.ITF

RTD PORT 3:
NAME : LYNX CAPTURE RESULTS
SOURCE TYPE : UDP/IP SOCKET
SOURCE : 21,100
PROTOCOL : STANDARD
SIZE : 4096
DEFAULT INPUT TEMPLATE : FINISH LYNX.ITF

RTD PORT 4:
NAME : LYNX EDIT RESULTS
SOURCE TYPE : UDP/IP SOCKET
SOURCE : 22,000
PROTOCOL : STANDARD
SIZE : 4096
DEFAULT INPUT TEMPLATE : FINISH LYNX.ITF

LYNX CAPTURE SETTINGS:
-OPTIONS
-SCOREBOARD
*SCOREBOARD 1
SERIAL PORT : NETWORK (UDP)
PORT : 21,000
IP ADDRESS : BLANK
RUNNING TIME : NORMAL
RESULTS : OFF

*SCOREBOARD 2
SERIAL PORT : NETWORK (UPD)
PORT : 21,100
IP ADDRESS : BLANK
RUNNING TIME : OFF
RESULTS : AUTO

LYNX EDIT SETTINGS:
-OPTIONS
-SCOREBOARD
*SCOREBOARD 1
SERIAL PORT : NETWORK (UDP)
PORT 22,000
IP ADDRESS : BLANK
RUNNING TIME : OFF
RESULTS : AUTO

HYTEK SETTINGS; WINDOWS
INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FIXED DIGIT
INTERFACES/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
LANES: 8
BAUD RATE: 19,200
CYCLE DELAY: 8

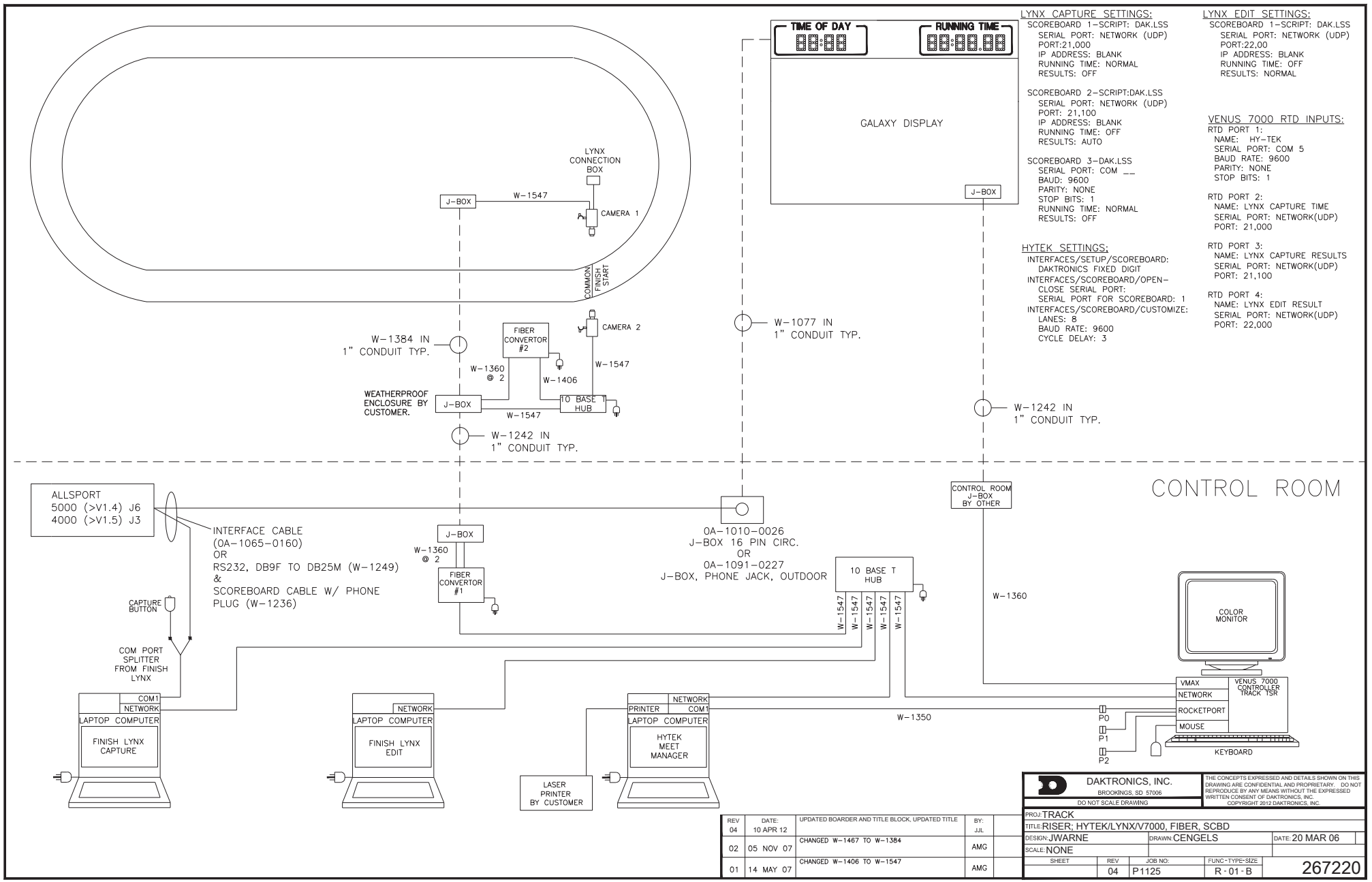
CONTROL ROOM

REV	DATE:	UPDATED TITLE BLOCK	BY:
01	10 APR 12		KZB

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK
TITLE: SYSTEM RISER: FINISH LYNX/HYTEK/VENUS VIA NETWORK
DESIGN: JWARNE | DRAWN: JFELBER | DATE: 16 MAR 06
SCALE: NONE

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	01	1125	R - 01 - B	267013



LYNX CAPTURE SETTINGS:

SCOREBOARD 1-SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT:21,000
IP ADDRESS: BLANK
RUNNING TIME: NORMAL
RESULTS: OFF

SCOREBOARD 2-SCRIPT:DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT: 21,100
IP ADDRESS: BLANK
RUNNING TIME: OFF
RESULTS: AUTO

SCOREBOARD 3-DAK.LSS
SERIAL PORT: COM __
BAUD: 9600
PARITY: NONE
STOP BITS: 1
RUNNING TIME: NORMAL
RESULTS: OFF

HYTEK SETTINGS:

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FIXED DIGIT
INTERFACES/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
LANES: 8
BAUD RATE: 9600
CYCLE DELAY: 3

LYNX EDIT SETTINGS:

SCOREBOARD 1-SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT:22,00
IP ADDRESS: BLANK
RUNNING TIME: OFF
RESULTS: NORMAL

VENUS 7000 RTD INPUTS:

RTD PORT 1:
NAME: HY-TEK
SERIAL PORT: COM 5
BAUD RATE: 9600
PARITY: NONE
STOP BITS: 1

RTD PORT 2:
NAME: LYNX CAPTURE TIME
SERIAL PORT: NETWORK(UDP)
PORT: 21,000

RTD PORT 3:
NAME: LYNX CAPTURE RESULTS
SERIAL PORT: NETWORK(UDP)
PORT: 21,100

RTD PORT 4:
NAME: LYNX EDIT RESULT
SERIAL PORT: NETWORK(UDP)
PORT: 22,000

REV	DATE:	UPDATED BOARDER AND TITLE BLOCK, UPDATED TITLE	BY:
04	10 APR 12		JJL
02	05 NOV 07	CHANGED W-1467 TO W-1384	AMG
01	14 MAY 07	CHANGED W-1406 TO W-1547	AMG

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK			
TITLE: RISER; HYTEK/LYNX/V7000, FIBER, SCBD			
DESIGN: JWARNE	DRAWN: CENGELS	DATE: 20 MAR 06	
SCALE: NONE			
SHEET	REV	JOB NO:	FUNC-TYPE-SIZE
	04	P1125	R - 01 - B

267220

02	05 AUG 11	ADD TI-3031 DETAILS	KZB
01	23 MAR 06	ADD TRACKSIDE SCOREBOARD CHG CONTROL LOCATION DETAILS	KZB

LYNX SCBD OUTPUT SETTINGS (TI-2020, TI-2021):

SCRIPT: DAKMDP.LSS
BAUD: 19200
DATA BITS: 8
PARITY: NONE
STOP BITS: 1
RUNNING TIME: NORMAL
RESULTS: OFF
PAGING SIZE: 1

LYNX SCBD OUTPUT SETTINGS (TI-3101):

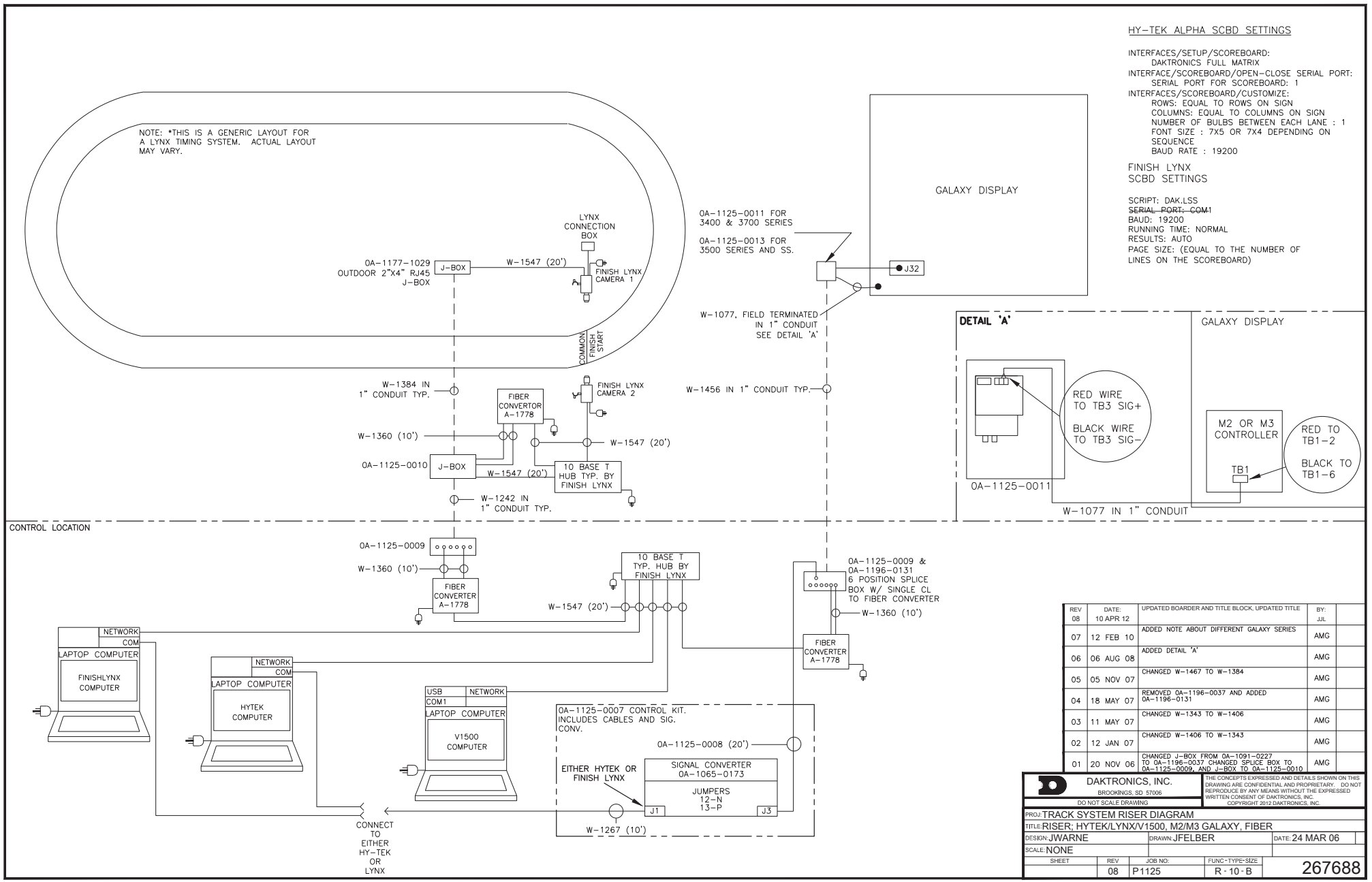
SCRIPT: DAKTR-3101.LSS
BAUD: 19200
DATA BITS: 8
PARITY: NONE
STOP BITS: 1
RUNNING TIME: NORMAL
RESULTS: OFF
PAGING SIZE: 1

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK SYSTEM RISER DIAGRAM
TITLE: RISER; TI-2020,-2021,-3101 W/ FINISH LYNX
DESIGN:
DRAWN: JFELBER
DATE: 23 MAR 06
SCALE:

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE
	02	P1125	R-10-A

26763 8



HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE : 1
FONT SIZE : 7X5 OR 7X4 DEPENDING ON SEQUENCE
BAUD RATE : 19200

FINISH LYNX SCBD SETTINGS

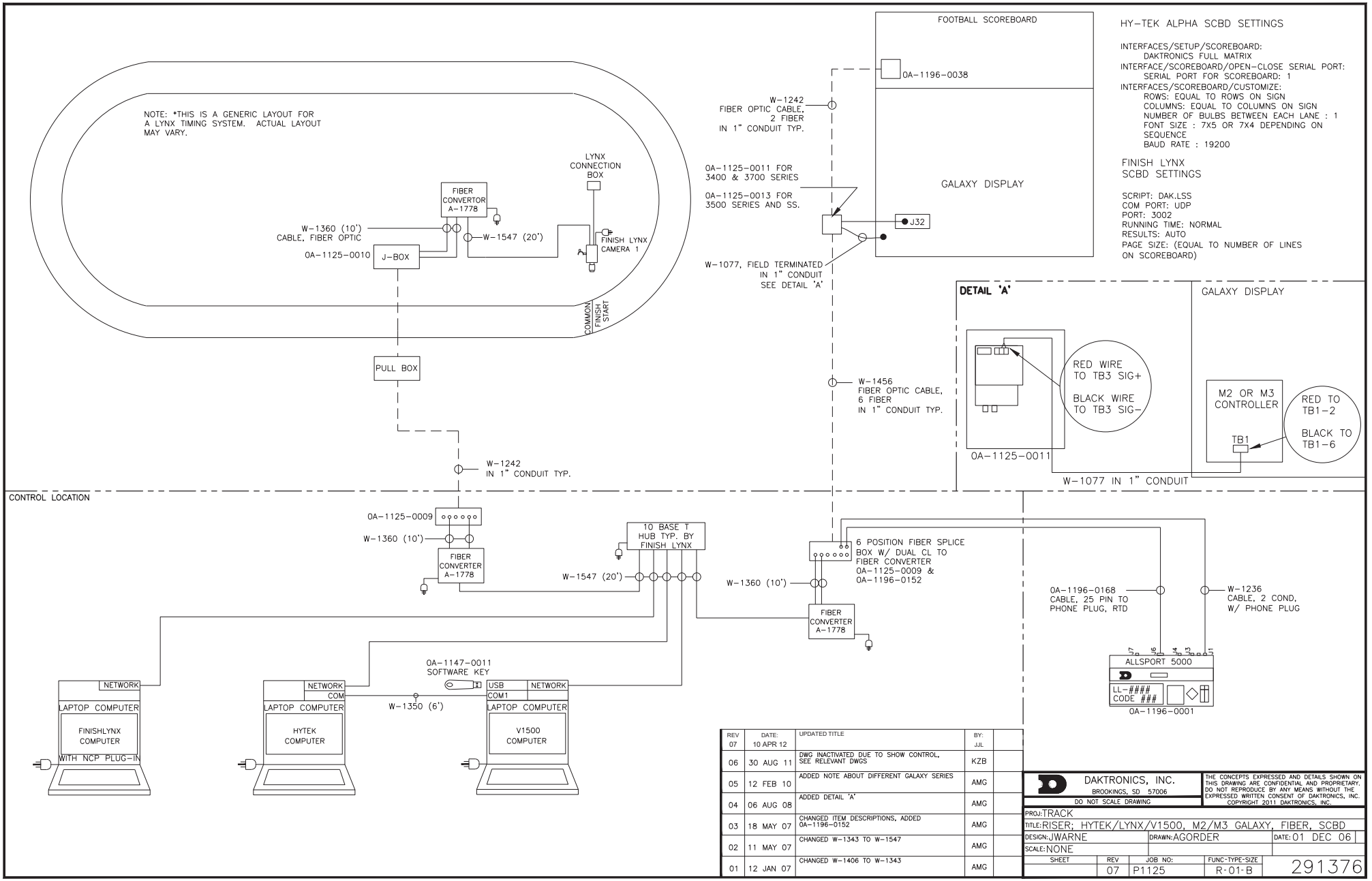
SCRIPT: DAK.LSS
~~SERIAL PORT: COM1~~
BAUD: 19200
RUNNING TIME: NORMAL
RESULTS: AUTO
PAGE SIZE: (EQUAL TO THE NUMBER OF LINES ON THE SCOREBOARD)

REV	DATE:	UPDATED BOARDER AND TITLE BLOCK, UPDATED TITLE	BY:
08	10 APR 12		JJL
07	12 FEB 10	ADDED NOTE ABOUT DIFFERENT GALAXY SERIES	AMG
06	06 AUG 08	ADDED DETAIL 'A'	AMG
05	05 NOV 07	CHANGED W-1467 TO W-1384	AMG
04	18 MAY 07	REMOVED 0A-1196-0037 AND ADDED 0A-1196-0131	AMG
03	11 MAY 07	CHANGED W-1343 TO W-1406	AMG
02	12 JAN 07	CHANGED W-1406 TO W-1343	AMG
01	20 NOV 06	CHANGED J-BOX FROM 0A-1091-0227 TO 0A-1196-0037 CHANGED SPLICE BOX TO 0A-1125-0009, AND J-BOX TO 0A-1125-0010	AMG

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK SYSTEM RISER DIAGRAM
TITLE: RISER; HYTEK/LYNX/V1500, M2/M3 GALAXY, FIBER
DESIGN: JWARNE | DRAWN: JFELBER | DATE: 24 MAR 06
SCALE: NONE

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	08	P1125	R-10-B	267688



HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE : 1
FONT SIZE : 7X5 OR 7X4 DEPENDING ON SEQUENCE
BAUD RATE : 19200

FINISH LYNX SCBD SETTINGS

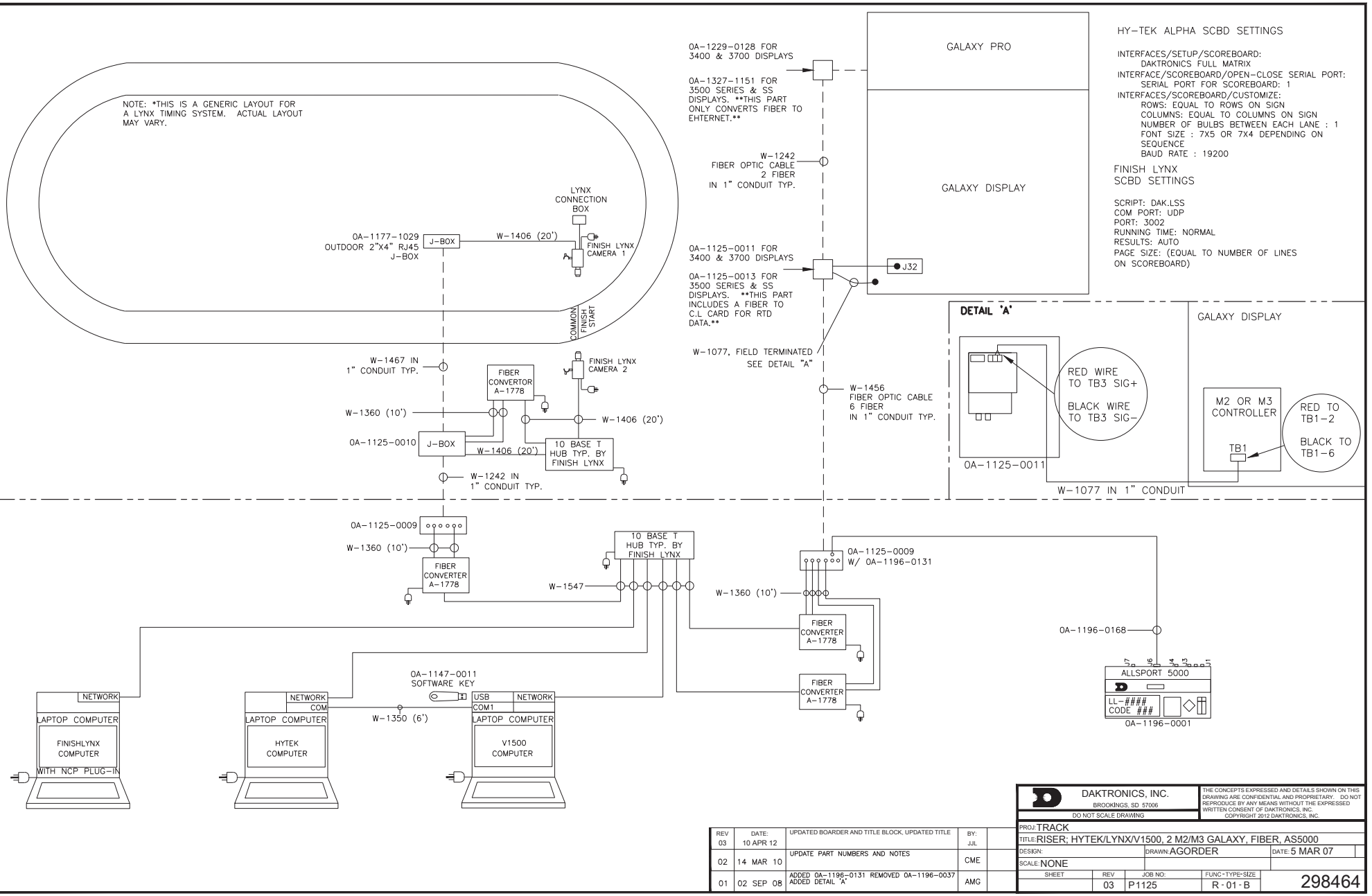
SCRIPT: DAK.LSS
COM PORT: UDP
PORT: 3002
RUNNING TIME: NORMAL
RESULTS: AUTO
PAGE SIZE: (EQUAL TO NUMBER OF LINES ON SCOREBOARD)

REV	DATE:	UPDATED TITLE	BY:
07	10 APR 12		JJL
06	30 AUG 11	DWG INACTIVATED DUE TO SHOW CONTROL, SEE RELEVANT DWGS	KZB
05	12 FEB 10	ADDED NOTE ABOUT DIFFERENT GALAXY SERIES	AMG
04	06 AUG 08	ADDED DETAIL 'A'	AMG
03	18 MAY 07	CHANGED ITEM DESCRIPTIONS, ADDED 0A-1196-0152	AMG
02	11 MAY 07	CHANGED W-1343 TO W-1547	AMG
01	12 JAN 07	CHANGED W-1406 TO W-1343	AMG

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK
TITLE: RISER; HYTEK/LYNX/V1500, M2/M3 GALAXY, FIBER, SCBD
DESIGN: JWARNE | DRAWN: AGORDER | DATE: 01 DEC 06
SCALE: NONE

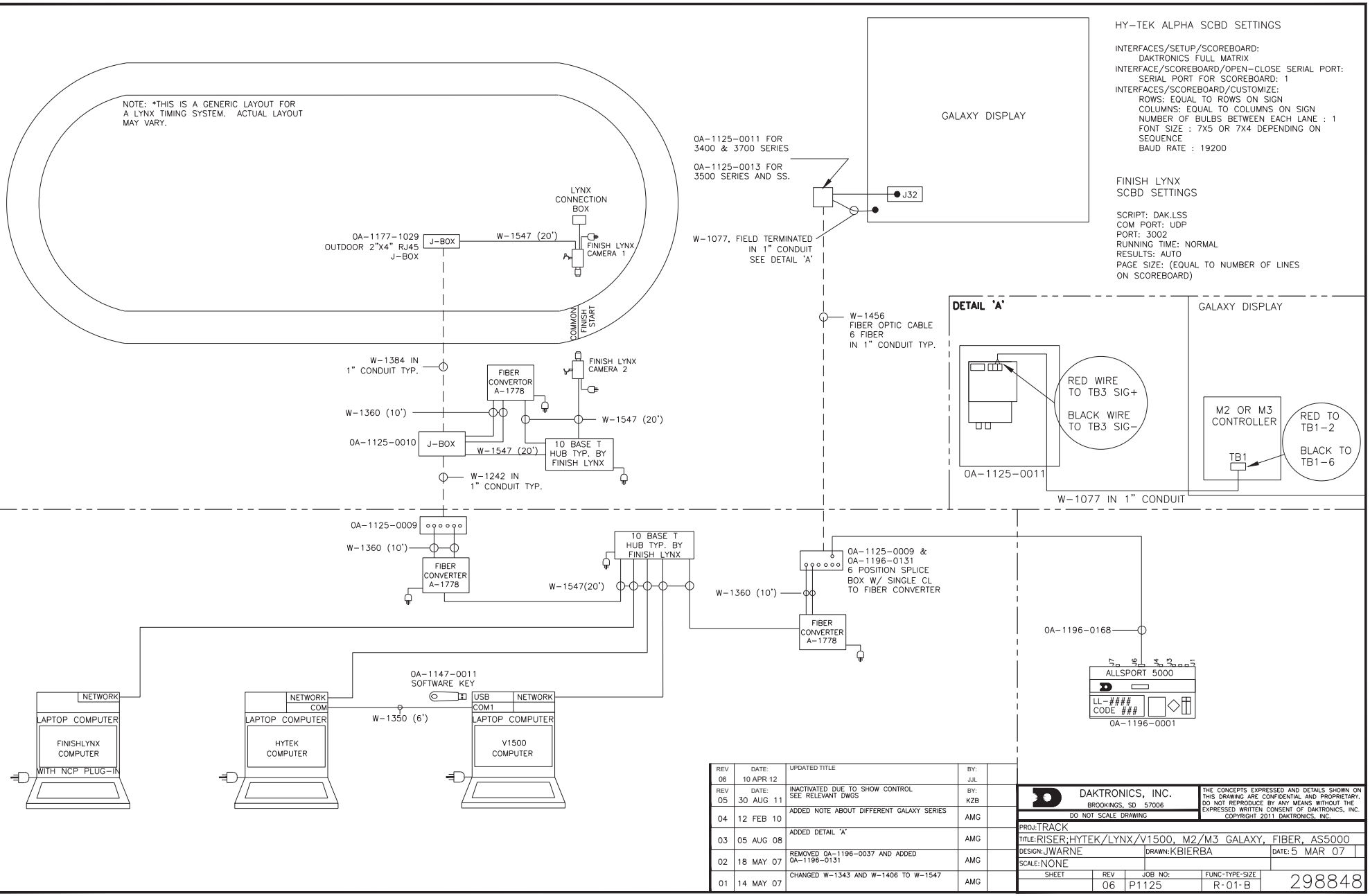
SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	07	P1125	R-01-B	291376



REV	DATE:	UPDATED BOARDER AND TITLE BLOCK, UPDATED TITLE	BY:
03	10 APR 12		JJL
02	14 MAR 10	UPDATE PART NUMBERS AND NOTES	CME
01	02 SEP 08	ADDED 0A-1196-0131 REMOVED 0A-1196-0037 ADDED DETAIL 'A'	AMG

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK				
TITLE: RISER; HYTEK/LYNX/V1500, 2 M2/M3 GALAXY, FIBER, AS5000				
DESIGN:		DRAWN: AGORDER		DATE: 5 MAR 07
SCALE: NONE				
SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	298464
	03	P1125	R - 01 - B	



HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE : 1
FONT SIZE : 7X5 OR 7X4 DEPENDING ON SEQUENCE
BAUD RATE : 19200

FINISH LYNX SCBD SETTINGS

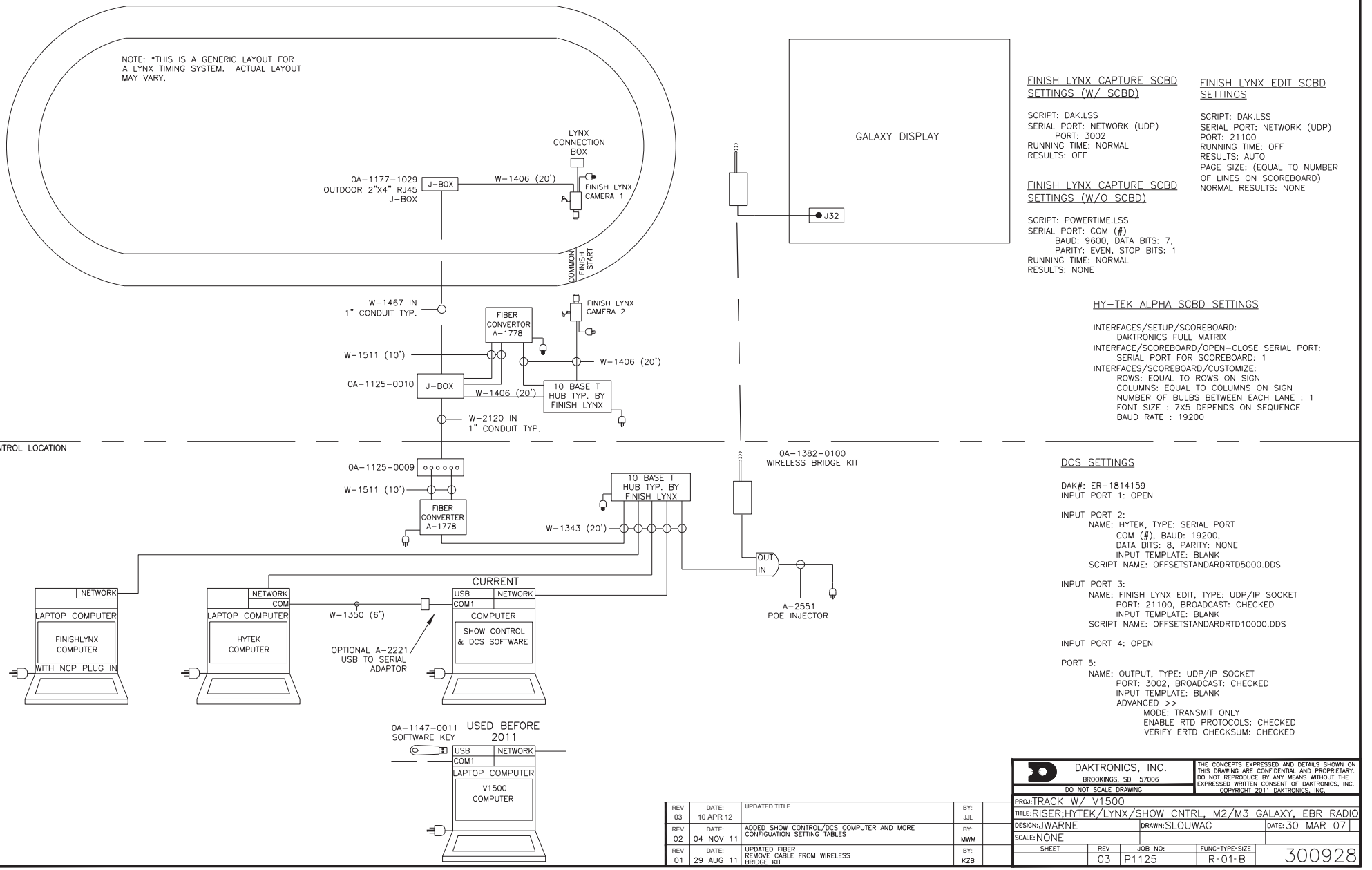
SCRIPT: DAK.LSS
COM PORT: UDP
PORT: 3002
RUNNING TIME: NORMAL
RESULTS: AUTO
PAGE SIZE: (EQUAL TO NUMBER OF LINES ON SCOREBOARD)

REV	DATE:	UPDATED TITLE	BY:
06	10 APR 12		JJL
05	30 AUG 11	INACTIVATED DUE TO SHOW CONTROL SEE RELEVANT DWGS	KZB
04	12 FEB 10	ADDED NOTE ABOUT DIFFERENT GALAXY SERIES	AMG
03	05 AUG 08	ADDED DETAIL 'A'	AMG
02	18 MAY 07	REMOVED 0A-1196-0037 AND ADDED 0A-1196-0131	AMG
01	14 MAY 07	CHANGED W-1343 AND W-1406 TO W-1547	AMG

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK
TITLE: RISER;HYTEK/LYNX/V1500, M2/M3 GALAXY, FIBER, AS5000
DESIGN: JWARNE | DRAWN: KBIERBA | DATE: 5 MAR 07
SCALE: NONE

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	06	P1125	R-01-B	298848



FINISH LYNX CAPTURE SCBD SETTINGS (W/ SCBD)

SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT: 3002
RUNNING TIME: NORMAL
RESULTS: OFF

FINISH LYNX CAPTURE SCBD SETTINGS (W/O SCBD)

SCRIPT: POWERTIME.LSS
SERIAL PORT: COM (#)
BAUD: 9600, DATA BITS: 7,
PARITY: EVEN, STOP BITS: 1
RUNNING TIME: NORMAL
RESULTS: NONE

FINISH LYNX EDIT SCBD SETTINGS

SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT: 21100
RUNNING TIME: OFF
RESULTS: AUTO
PAGE SIZE: (EQUAL TO NUMBER OF LINES ON SCOREBOARD)
NORMAL RESULTS: NONE

HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE : 1
FONT SIZE : 7X5 DEPENDS ON SEQUENCE
BAUD RATE : 19200

DCS SETTINGS

DAK#: ER-1814159
INPUT PORT 1: OPEN

INPUT PORT 2:
NAME: HYTEK, TYPE: SERIAL PORT
COM (#), BAUD: 19200,
DATA BITS: 8, PARITY: NONE
INPUT TEMPLATE: BLANK
SCRIPT NAME: OFFSETSTANDARDRTD5000.DDS

INPUT PORT 3:
NAME: FINISH LYNX EDIT, TYPE: UDP/IP SOCKET
PORT: 21100, BROADCAST: CHECKED
INPUT TEMPLATE: BLANK
SCRIPT NAME: OFFSETSTANDARDRTD10000.DDS

INPUT PORT 4: OPEN

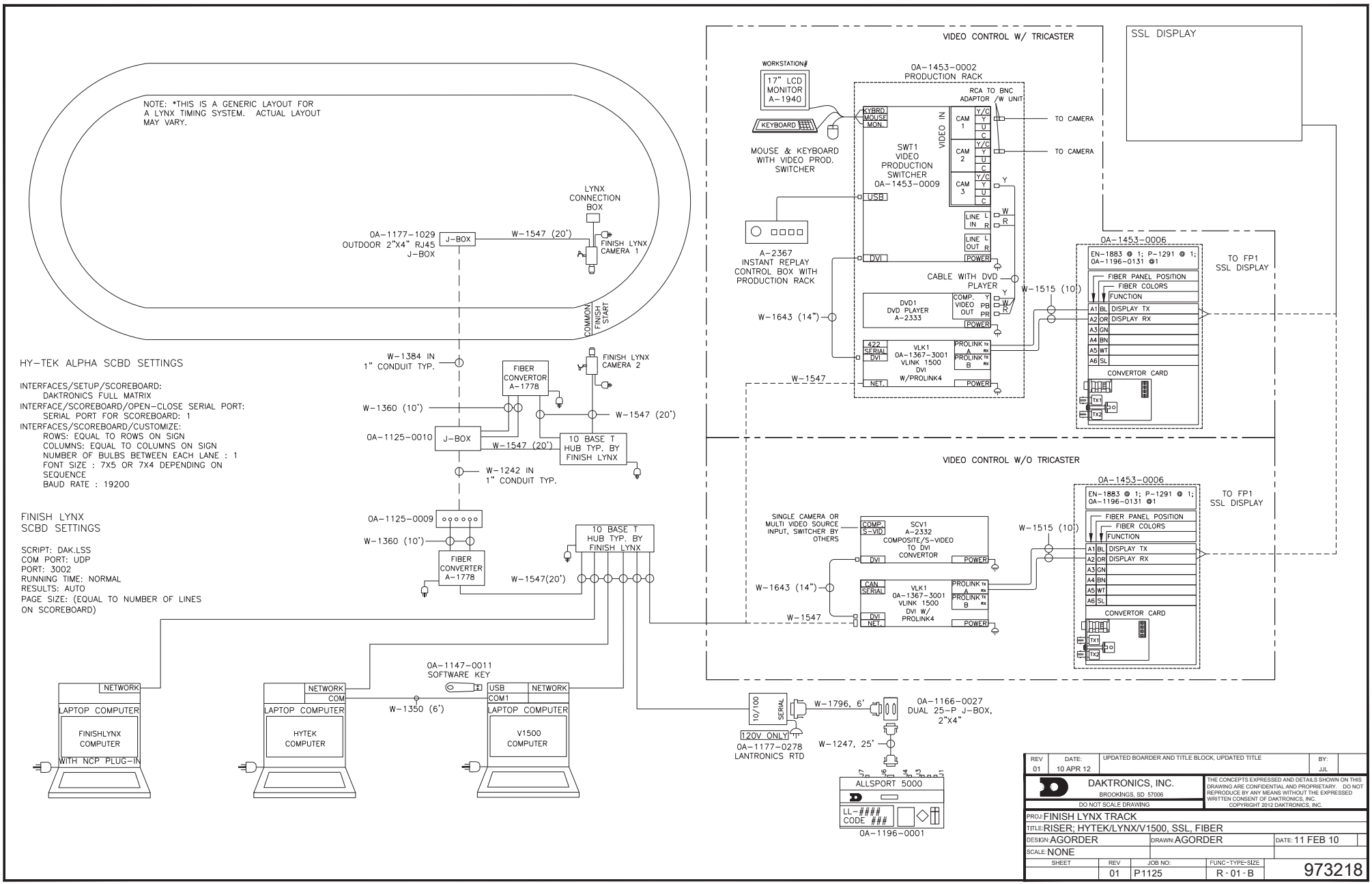
PORT 5:
NAME: OUTPUT, TYPE: UDP/IP SOCKET
PORT: 3002, BROADCAST: CHECKED
INPUT TEMPLATE: BLANK
ADVANCED >>
MODE: TRANSMIT ONLY
ENABLE RTD PROTOCOLS: CHECKED
VERIFY ERTD CHECKSUM: CHECKED

REV	DATE:	UPDATED TITLE	BY:
03	10 APR 12		JJL
02	04 NOV 11	ADDED SHOW CONTROL/DCS COMPUTER AND MORE CONFIGUATION SETTING TABLES	MWM
01	29 AUG 11	UPDATED FIBER REMOVE CABLE FROM WIRELESS BRIDGE KIT	KZB

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK W/ V1500
TITLE: RISER;HYTEK/LYNX/SHOW CNTRL, M2/M3 GALAXY, EBR RADIO
DESIGN: JWARNE | DRAWN: SLOUWAG | DATE: 30 MAR 07
SCALE: NONE

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	03	P1125	R-01-B	300928

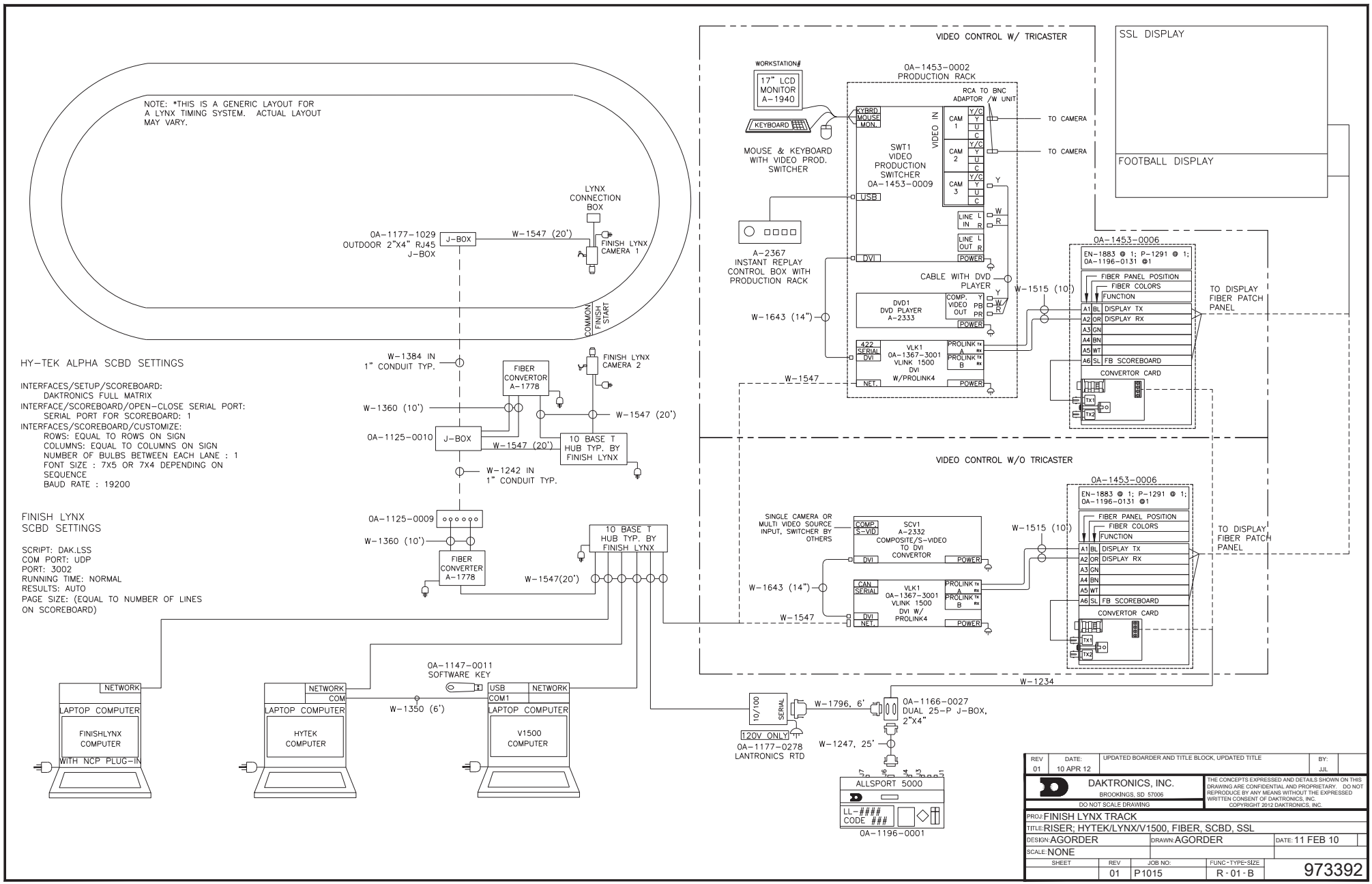


REV	DATE:	UPDATED BOARDER AND TITLE BLOCK. UPDATED TITLE	BY:
01	10 APR 12		JJL

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: FINISH LYNX TRACK			
TITLE: RISER; HYTEK/LYNX/V1500, SSL, FIBER			
DESIGN: AGORDER	DRAWN: AGORDER	DATE: 11 FEB 10	
SCALE: NONE			

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	01	P1125	R-01-B	973218



REV	DATE:	UPDATED BOARDER AND TITLE BLOCK. UPDATED TITLE	BY:
01	10 APR 12		JJL

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: FINISH LYNX TRACK			
TITLE: RISER; HYTEK/LYNX/V1500, FIBER, SCBD, SSL			
DESIGN: AGORDER	DRAWN: AGORDER	DATE: 11 FEB 10	
SCALE: NONE			

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	01	P1015	R-01-B	973392

1. HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE : 1
FONT SIZE : 7X5 DEPENDS ON SEQUENCE
BAUD RATE : 19200

NOTE, IN CERTAIN CASES (LARGE SIGNS)
HYTEK SIGN SIZE SETTINGS WILL NOT EQUAL
THE DISPLAY SIZE. CALL DAK HELP DESK FOR
CORRECT SETTINGS

*2. FINISH LYNX CAPTURE MATRIX SETTINGS

(THIS SETUP DOES NOT REQUIRE DCS SOFTWARE. THESE SETTINGS SEND BOTH RUNTIME AND RESULTS FROM FINISH LYNX CAPTURE ON UDP/3002. USED SOLELY WITH SETTINGS 1. NOT TO BE USED WITH SETTINGS 3,4,6.)

SCRIPT: DAK.LSS
NAME: "RUNTIME & RESULTS"
SERIAL PORT: NETWORK (UDP), PORT: 3002
RUNNING TIME: NORMAL
RESULTS: AUTO (USE ALT-S TO STOP RUNNING TIME WHEN RESULTS ARE DISPLAYED)
PAGING ENABLED: SET THE SIZE TO THE NUMBER OF LINES THAT CAN BE
DISPLAYED ON THE MATRIX
TIME: 5.0

3. FINISH LYNX CAPTURE MATRIX SETTINGS

(REQUIRES DCS SETTINGS (6), BECAUSE RUNTIME & RESULTS OUTPUTS ARE ON DIFFERENT NETWORK PORTS)

RUNNING TIME
SCRIPT: DAK.LSS
NAME: "RUNNING TIME"
CODE SET: SINGLE BYTE
SERIAL PORT: NETWORK (UDP), PORT: 3002
RUNNING TIME: NORMAL
AUTO BREAK: OFF
RESULTS: OFF

RESULTS
SCRIPT: DAK.LSS
NAME: "RESULTS"
CODE SET: SINGLE BYTE
SERIAL PORT: NETWORK (UDP), PORT: 21100
RUNNING TIME:OFF
AUTO BREAK: OFF
RESULTS: AUTO
PAGING ENABLED: SET THE SIZE TO THE NUMBER OF LINES THAT CAN BE DISPLAYED ON THE MATRIX
TIME: 5.0

4. FINISH LYNX EDIT MATRIX SETTINGS

(TYPICALLY 1 RESULTS OUTPUT COMPUTER NEEDED. IF EDIT COMPUTER (4) WILL BE USED, CAPTURE RESULTS (3) IS NOT USED. REQUIRES DCS SETTINGS (6).)

SCRIPT: DAK.LSS
NAME: "RESULTS"
CODE SET: SINGLE BYTE
SERIAL PORT: NETWORK (UDP), PORT: 22000
RUNNING TIME: OFF
AUTO BREAK: OFF
RESULTS: AUTO
PAGING ENABLED: SET THE SIZE TO THE NUMBER OF LINES THAT CAN BE DISPLAYED ON THE MATRIX
TIME: 5.0

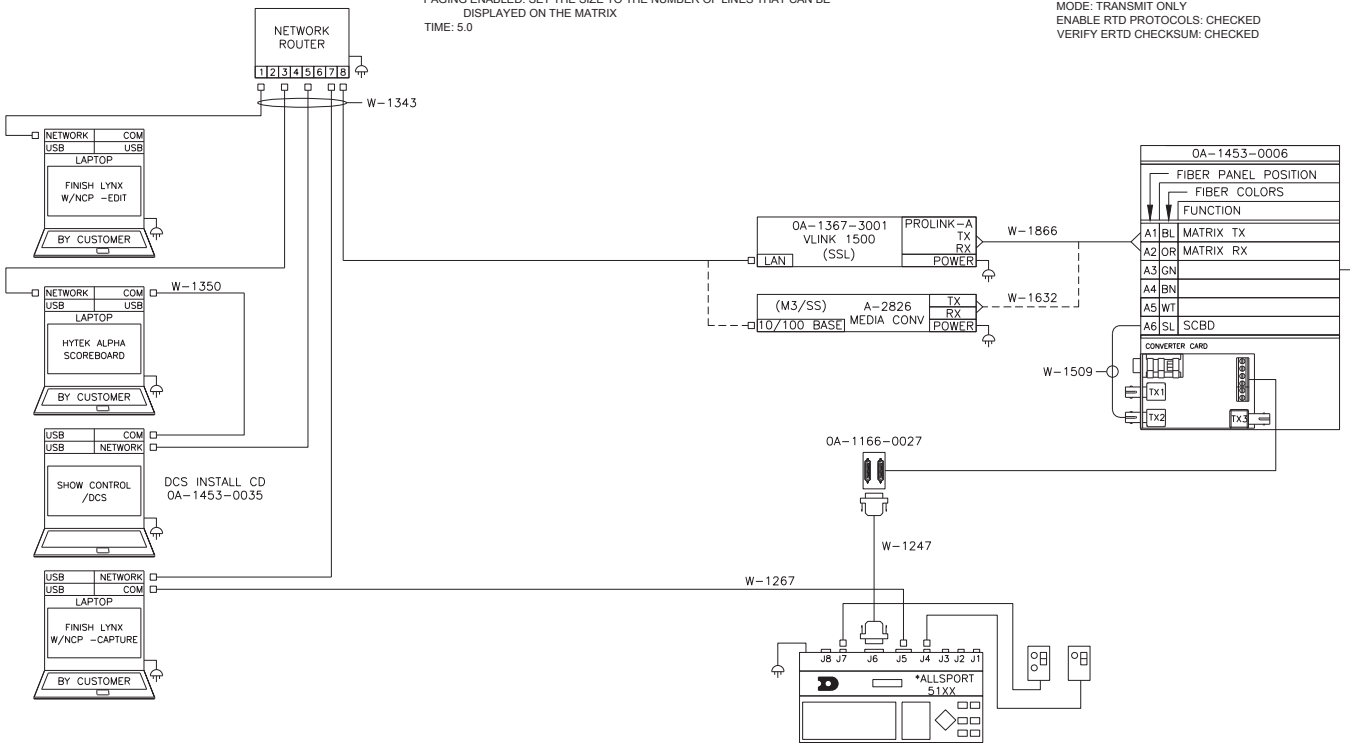
5. FINISH LYNX CAPTURE FOOTBALL SCBD SETTINGS

SCRIPT: POWERTIME.LSS
SERIAL PORT: COM (#)
BAUD: 9600, DATA BITS: 7,
PARITY: EVEN, STOP BITS: 1
RUNNING TIME: NORMAL
RESULTS: NONE

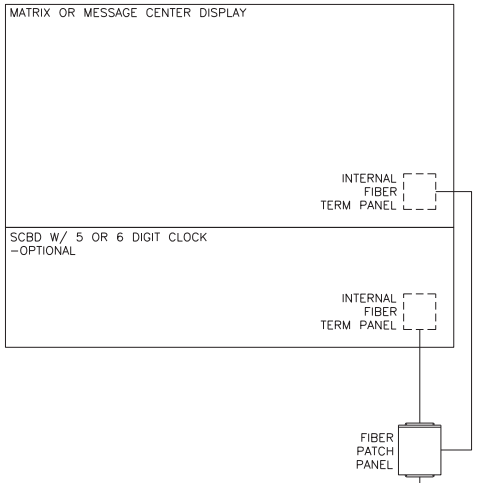
6. DCS SETTINGS

DAK#: ER-1814159
INPUT PORT 1: OPEN
INPUT PORT 2:
NAME: HY-TEK, TYPE: SERIAL PORT
COM (#), BAUD: 19200,
DATA BITS: 8, PARITY: NONE
INPUT TEMPLATE: BLANK
ACTIVE FILES, SCRIPT NAME: OFFSETSTANDARDRTD5000.DDS
INPUT PORT 3:
NAME: FINISH LYNX CAPTURE RESULTS, TYPE: UDP/IP SOCKET
PORT: 21100, BROADCAST: CHECKED
INPUT TEMPLATE: BLANK
ACTIVE FILES, SCRIPT NAME: OFFSETSTANDARDRTD10000.DDS

INPUT PORT 4: NAME: FINISH LYNX EDIT RESULTS, TYPE: UDP/IP SOCKET
PORT: 22000, BROADCAST: CHECKED
INPUT TEMPLATE: BLANK
ACTIVE FILES, SCRIPT NAME: OFFSETSTANDARDRTD15000.DDS
PORT 5:
NAME: OUTPUT, TYPE: UDP/IP SOCKET
PORT: 3002, BROADCAST: CHECKED
INPUT TEMPLATE: BLANK
ADVANCED >>
MODE: TRANSMIT ONLY
ENABLE RTD PROTOCOLS: CHECKED
VERIFY ERTD CHECKSUM: CHECKED



REAR VIEW



REV	DATE:		UPDATED ROUTER	BY:
05	14 NOV 12			KZB
04	06 APR 12		UPDATED DCS SETTINGS	KZB
03	19 OCT 11		REPLACED A-1778 MEDIA CONVERTER WITH A-2826.	SMB
02	02 SEP 11		UPDATED DCS SETTINGS FOR CLARITY	KZB
01	02 DEC 10		CHG ROUTER PART #	KZB

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: M3/SS/SSL DISPLAYS
TITLE: RISER; HYTEK/LYNX/SHOW CNTRL, FIBER, SCBD, SSL / SS
DESIGN: KBIERBA | DRAWN: KBIERBA | DATE: 03 JUN 10
SCALE:

SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	
	05	P1125	R - 01 - B	1019567

① DCS SETTINGS: PORTS
SEE DD2177440 FOR FULL INSTRUCTIONS

PORT 1: NAME: HY-TEK UDP/IP PORT 20,000 CHOOSE NETWORK OR SERIAL (**SEE NOTE BELOW**)

OR

NAME: HY-TEK SERIAL PORT: COM1 BAUD: 19200 DATA BITS: 8 PARITY: NONE

PORT 2: NAME: HY-TEK OUTPUT
SOURCE: UDP/IP SOCKET
PORT: 20001

PORT 3: NAME: FINISHLYNX
SOURCE: SERIAL PORT
PORT: COM2
BAUD: 9600
DATA BITS: 8
PARITY: NONE

PORT 4: NAME: FINISHLYNX-OUTPUT
SOURCE: UDP/IP SOCKET
PORT: 21001

PORT 5: NAME: LYNX-CAPTURE-RUNTIME
SOURCE: UDP/IP SOCKET
PORT: 21000

① DCS SETTINGS: PORTS (CONT)

PORT 6: NAME: LYNX-CAPTURE-RUNTIME-OUTPUT
SOURCE: UDP/IP SOCKET
PORT: 21001

PORT 7: NAME: LYNX-CAPTURE-RESULTS
SOURCE: UDP/IP SOCKET
PORT: 21100

PORT 8: NAME: LYNX-CAPTURE-RESULTS-OUTPUT
SOURCE: UDP/IP SOCKET
PORT: 21101

PORT 9: NAME: LYNX-EDIT-RESULTS
SOURCE: UDP/IP SOCKET
PORT: 22000

PORT 10: NAME: LYNX-EDIT-RESULTS-OUTPUT
SOURCE TYPE: UDP/IP SOCKET
PORT: 22001

① DCS SETTINGS: ACTIVE FILES

PORT 1: HY-TEK
PORT 2: NONE
PORT 3: FINISHLYNX
PORT 4: NONE
PORT 5: LYNX-CAPTURE-RUNTIME
PORT 6: NONE
PORT 7: LYNX-CAPTURE-RESULTS
PORT 8: NONE
PORT 9: LYNX-EDIT-RESULTS
PORT 10: NONE

② HY-TEK ALPHA SCBD SETTINGS HYTEK VERSION 4.0 OR HIGHER

SETUP>ALPHA SCBD INTERFACE:
SCBD TYPE: DAKTRONICS FULL MATRIX
CONNECTION METHOD: UDP ETHERNET

FROM THE "RUN" SCREEN
INTERFACES>SCOREBOARD-DAKTRONICS FULL MATRIX>
SET UDP PORT AND IP ADDRESS:
- REMOTE SCBD PORT/SOCKET: 20000
- REMOTE SCBD IP ADDRESS: 255.255.255.255

INTERFACE>SCOREBOARD-DAKTRONICS FULL MATRIX
>CUSTOMIZE:
- NUMBER OF ROWS FOR HEADER: XX
- NUMBER OF ROWS FOR LANES: XX
- NUMBER OF CHARACTERS PER ROW: XX
(REFER TO SQUENCE FOR THIS INFO)

④ FINISH LYNX CAPTURE SCBD SETTINGS

SCRIPT: POWERTIME.LSS
SERIAL PORT: COM (#)
BAUD: 9600, DATA BITS: 7
PARITY: EVEN, STOP BITS: 1
RUNNING TIME: NORMAL
RESULTS: NONE

④ FINISH LYNX CAPTURE RUNTIME SETTINGS

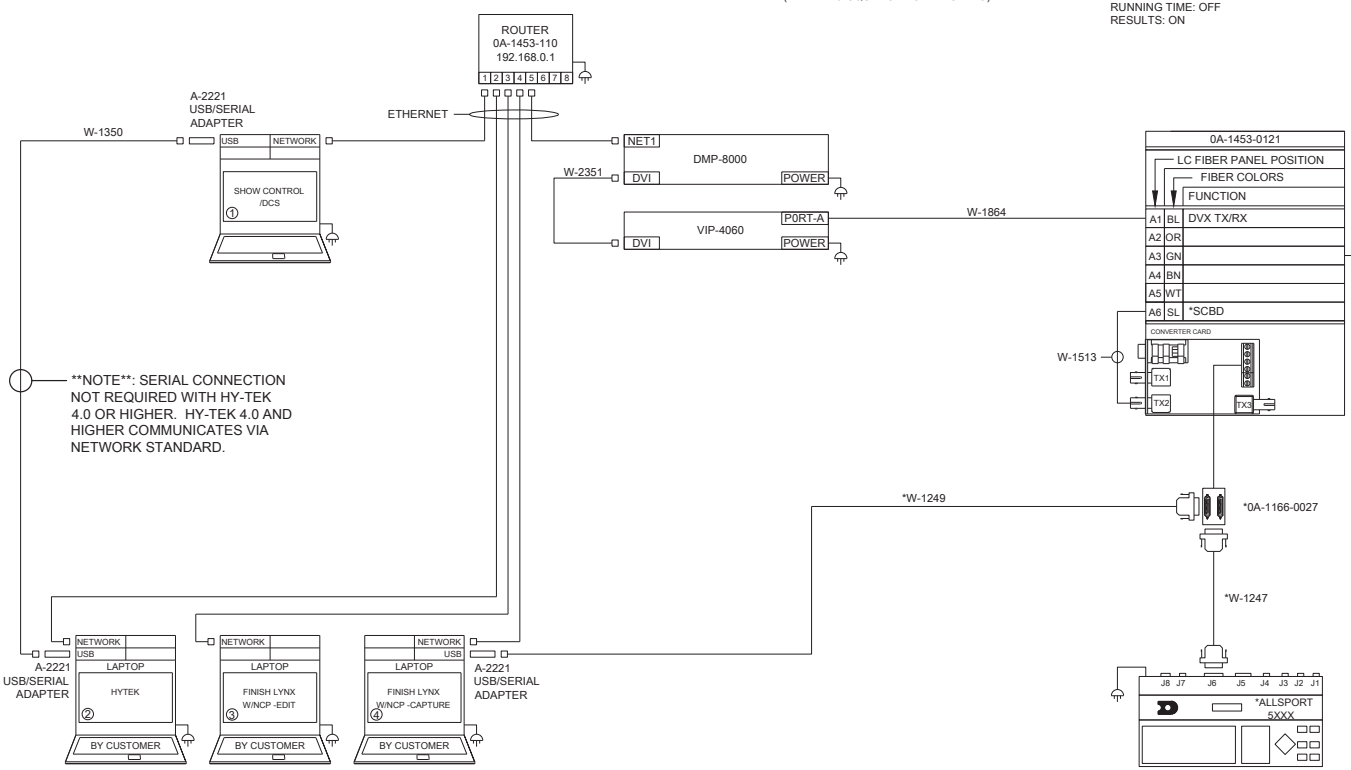
SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT: 21000
RUNNING TIME: NORMAL
RESULTS: OFF

④ FINISH LYNX CAPTURE RESULTS SETTINGS

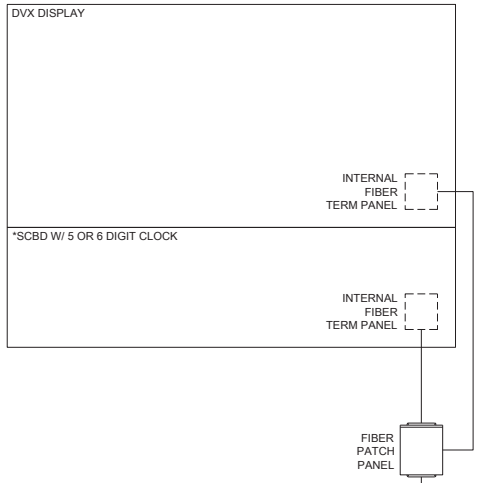
SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT: 21100
RUNNING TIME: OFF
RESULTS: ON

③ FINISH LYNX EDIT SCBD SETTINGS

SCRIPT: DAK.LSS
SERIAL PORT: NETWORK (UDP)
PORT: 22000
RUNNING TIME: OFF
RESULTS: ON



REAR VIEW



*ALL ITEMS MARKED WITH ASTERISK ARE OPTIONAL, AND COME TOGETHER

REV	DATE:		BY:
04	16 APR 14	REVISED SETTINGS FOR NETWORK COMMUNICATION STANDARD.	SMB
03	20 MAR 12	ADD USB/SERIAL ADAPTERS	KZB
02	14 MAR 12	UPDATED LAYOUT AND SETTINGS	KZB
01	09 MAR 12	ADDED DCS SETTINGS	KZB

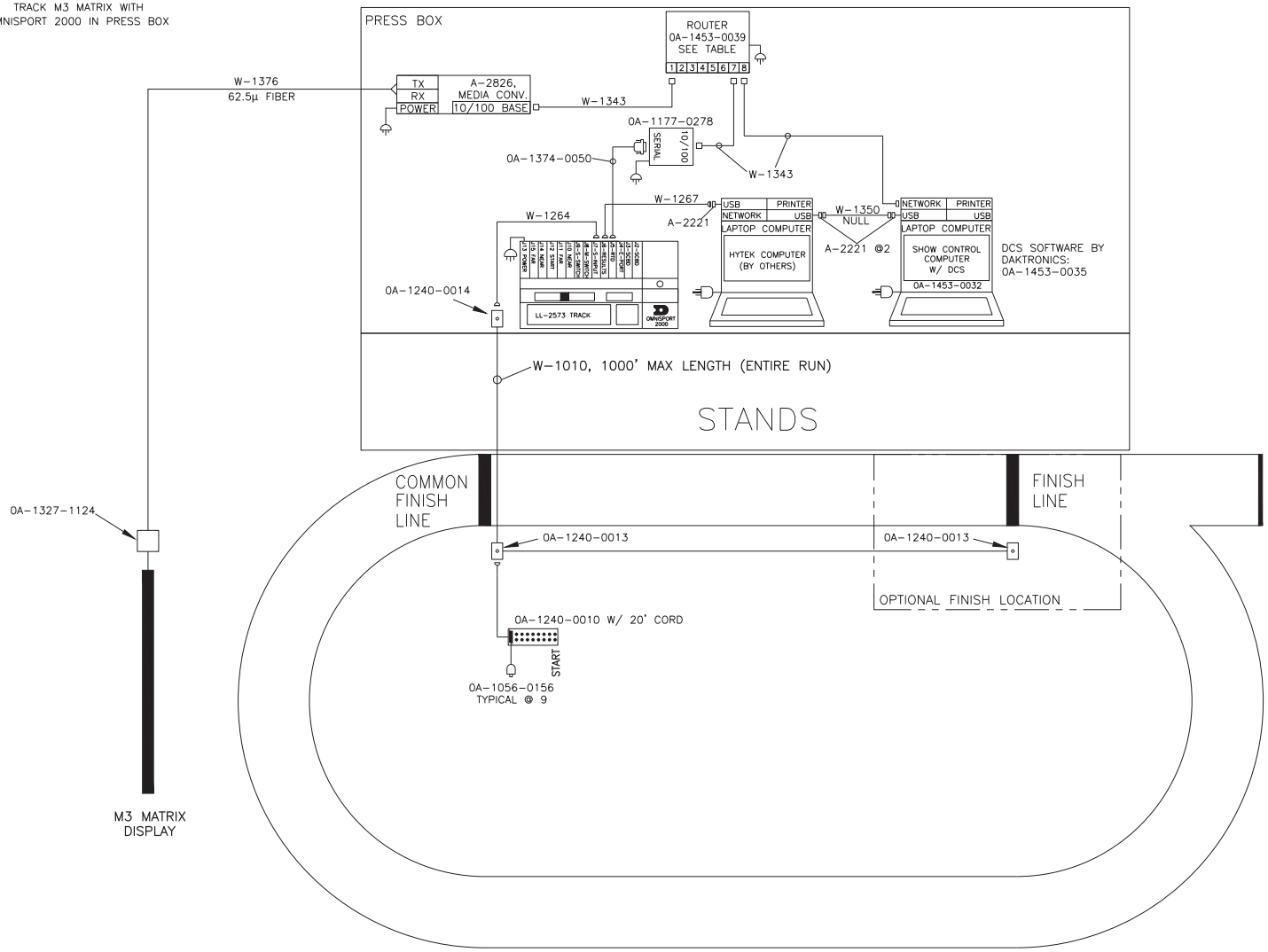
DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: TRACK W/ STANDARD DVX
TITLE: RISER; HYTEK/LYNX/SHOW CNTRL, FIBER, SCBD, DVX
DESIGN: KBIERBA | DRAWN: KBIERBA | DATE: 06 SEP 11
SCALE: NONE

SHEET	REV	JOB NO:	FUNC - TYPE - SIZE	
	04	P1453	R - 01 - B	1068144

TRACK SYSTEM RISER DIAGRAM

TRACK M3 MATRIX WITH
OMNISPORT 2000 IN PRESS BOX



CABLE/DSL ROUTER DEFAULTS

-DAK PART#:	0A-1453-0039
-LOCAL IP ADDRESS:	192.168.0.1
-SUBNET MASK:	255.255.255.0
-USER NAME:	ADMIN
-PASSWORD:	ADMIN
-DHCP RANGE:	192.168.0.100 -192.168.0.149

HY-TEK ALPHA SCBD SETTINGS

INTERFACES/SETUP/SCOREBOARD:
DAKTRONICS FULL MATRIX
INTERFACE/SCOREBOARD/OPEN-CLOSE SERIAL PORT:
SERIAL PORT FOR SCOREBOARD: 1
INTERFACES/SCOREBOARD/CUSTOMIZE:
ROWS: EQUAL TO ROWS ON SIGN
COLUMNS: EQUAL TO COLUMNS ON SIGN
NUMBER OF BULBS BETWEEN EACH LANE: 1
FONT SIZE : 7X5 DEPENDS ON SEQUENCE
BAUD RATE : 19200

DCS SETTINGS

SCRIPT: ER-1814159
INPUT PORT 1: OPEN
INPUT PORT 2: HYTEK
TYPE: SERIAL PORT
COM (#), BAUD: 19200,
DATA BITS: 8, PARITY: NONE
SCRIPT NAME: OFFSETSTANDARDRTD5000.DDS
INPUT PORT 3: NOT USED
TYPE: UDP/XXXX
SCRIPT NAME: XXXX
INPUT PORT 4: OPEN
OUTPUT PORT 5: UDP/3002
TX ONLY: CHECKED

TRACK EQUIPMENT BOM:

0A-1240-0002 OMNISPORT 2000 (TRACK TIMER) @ 1
W-1010 12 COND. PUSH BUTTON CABLE @ MAX. 1000'
0A-1240-0013 TRACK SIDE D15F J-BOX @ 1
0A-1240-0014 PRESS BOX D15M J-BOX @ 1
0A-1240-0010 BUTTON INTERFACE @ 1
0A-1056-0156 12' PUSH BUTTON @ 9
W-1264 10' DB15M TO DB15F @1
W-1350 6' DB9F TO DB9F NULL @1
W-1267 10' DB9M TO DB9F @1
A-2826 10/100 BASE MEDIA CONVERTER @1
0A-1327-1124 FIBER ETHERNET COMM. BOX @1
0A-1453-0032 SCS-2000 TOUCHSMART W7 @1
W-1343 14' RJ45 10 BASE NETWORK CABLE @1
W-1376 4 FIBER CABLE DX @ DISTANCE TO MATRIX
A-2221 USB TO SERIAL ADAPTER @3
0A-1453-0035 DCS SOFTWARE CD @1
0A-1177-0278 RS232 SS LANTRONIX BOX @1
W-1343 RJ45 10BASE NETWORK CABLE @3
0A-1374-0050 6' DB9M-DB25M, RS232 @1

-IF MORE THAN 8 LANES ARE REQUIRED, OR MORE THAN 1 BUTTON PER LANE, 0A-1240-0010 MAY BE REPLACED WITH 0A-1240-0016 ***NOTE:** IF 0A-1240-0016 IS USED, BUTTON INTERFACE MUST BE AT THE SAME LOCATION AS THE OMINISPORT 2000. ORDER THE NUMBER OF BUTTONS NEEDED.

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

PROJ: OMNISPORT 2000 TIMER				
TITLE: SYSTEM RISER: TRACK M3 MATRIX W/ OMNI2K IN PRESSBOX				
DESIGN: SBRINK		DRAWN: SBRINK		DATE: 27 OCT 11
SCALE: NONE				
SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	1072146
	00	P1240	R-01-B	