APPLIED® INFORMATION

FIELD MONITORING UNIT (FMU) | AI-500-085-02

INSTALLATION GUIDE

AI-500-085-02 FMU

REVISION 6

TABLE OF CONTENTS

VIDEO LINKS 4
BEFORE GETTING STARTED 5
WHAT IS NEEDED 5
WHAT'S IN THE BOX? 5
ANTENNA PLACEMENT AND TESTING OF SIGNAL STRENGTH 6
CHOOSING ANTENNA POSITIONING FOR 900 MHZ AND CELL/GPS ANTENNA 7
CONNECTING THE ANTENNA AND POWERING THE FMU 7
TESTING ANTENNA SIGNAL USING GLANCE 7
INSTALLING ANTENNA 9
MOUNTING THE AI-500-085-02 FMU 9
CABLE WIRING 9
POWERING THE UNIT 10
CONNECTING ETHERNET CABLE 11
INTERSECTION UNIT INSTALLATION CHECKLIST 12
AI-500-085-02 STANDARD I/O ALLOCATION REV E 15
AI 500-085-02 STANDARD HARNESSES WIRING DIAGRAMS 19
AI 500-085-02 REDUCED HARNESSES WIRING DIAGRAMS 25
CUSTOMER FEEDBACK FORM 30

REV	AUTHOR	REVIEWED BY	DATE	REVISION EDITS
4	D Kyriakou	-	12/05/2024	-
5	R van Wyk-Govender	Walt Townsend	12/17/2025	Updated to align with the new template, with minor content revisions, new product images, and updated wiring diagrams
6	R van Wyk-Govender	Gaby Statt	07/30/2026	Minor content revisions and added harness wiring diagrams

3000 Summit Pl, Suite 150, Alpharetta, GA 30009 • 678-830-2170 • appinfoinc.com • sales@appinfoinc.com
Glance® is a registered trademark of Applied Information, Inc.

IMPORTANT: This installation is to be performed by qualified personnel only, with at least International Municipal Signal Association (IMSA) Level I or II certification. All applicable codes, regulations, and guidelines at the local, state, and federal levels need to be followed. If this installation guide inadvertently contradicts any local code or regulation, the local code or regulation takes precedence

Glance User Guide
For Field Monitoring Units (FMUs)
Copyright© 2011–2026 Applied Information Inc.
All rights reserved

The software contains proprietary information of Applied Information Inc.; it is provided under a license agreement containing restrictions on use and disclosure and is also protected by copyright law. Reverse engineering of the software is prohibited

Due to continued product development, this information may change without notice. The information and intellectual property contained herein is confidential between Applied Information, Inc. and the client and remains the exclusive property of Applied Information, Inc. If you find any problems in the documentation, please report them to us in writing. Applied Information, Inc. does not warrant that this document is error-free

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without the prior written permission of Applied Information, Inc

Applied Information, Inc.
3000 Summit Pl
Suite 150
Alpharetta, GA
30009
www.appinfoinc.com

VIDEO LINKS

Glance training videos

The following links can be used in conjunction with the installation guide:

Field Monitoring Unit Installation

Glance Basic Training

NOTE: Access the Glance training platform for a range of easy-to-follow video tutorials. The platform provides insight into the installation, configuration, and operation of the FMU, as well as other Glance solutions

https://appinfoinc.uqualio.com/directory/all-channels

BEFORE GETTING STARTED

WHAT IS NEEDED:

- Glance username and password
- Tools for unit installation
- Internet connected device
- Auxiliary cabinet door switches

Tools Needed:

- Basic Hand Tools:
  - Crimper
  - Flat-Head Screwdriver
  - Phillips Screwdriver
  - Wire Stripper
- Multimeter
- Basic Crimping Ends
  - Fork Terminal
  - Wire Ties
- Drill with Step Bit
- RTV Silicone
- Spare Wire
- Self-Tapping Screws

WHAT'S IN THE BOX?

- 1 x 500-085-02 FMU2/P Field Monitoring Unit w/Preemption and High-Speed Modem
- 1 x AM861c-9 ft LTE, x2 MiMO High-Gain Antenna, 2 x LTE, 1 x GPS 9 ft leads
- 1 x A9O3NFp 900 MHz Permanent-Mount Radio Antenna with Isolation Grommet
- 1 x 5900-001-5 ft N-Male to SMA-Male 200 Series Coax Jumper
- 1 x P#4225 Cat5E Jumper Cable, Blue, 6 ft length
- 1 x 4500-085-07&8 Cabinet Mounting Bracket w/Hardware (Left/Right Side)
- 1 x 5500-06B NEMA Certified 3-Prong AC Power Cable
- Standard or Reduced Harnesses, depending on the purchase order

Standard Harnesses

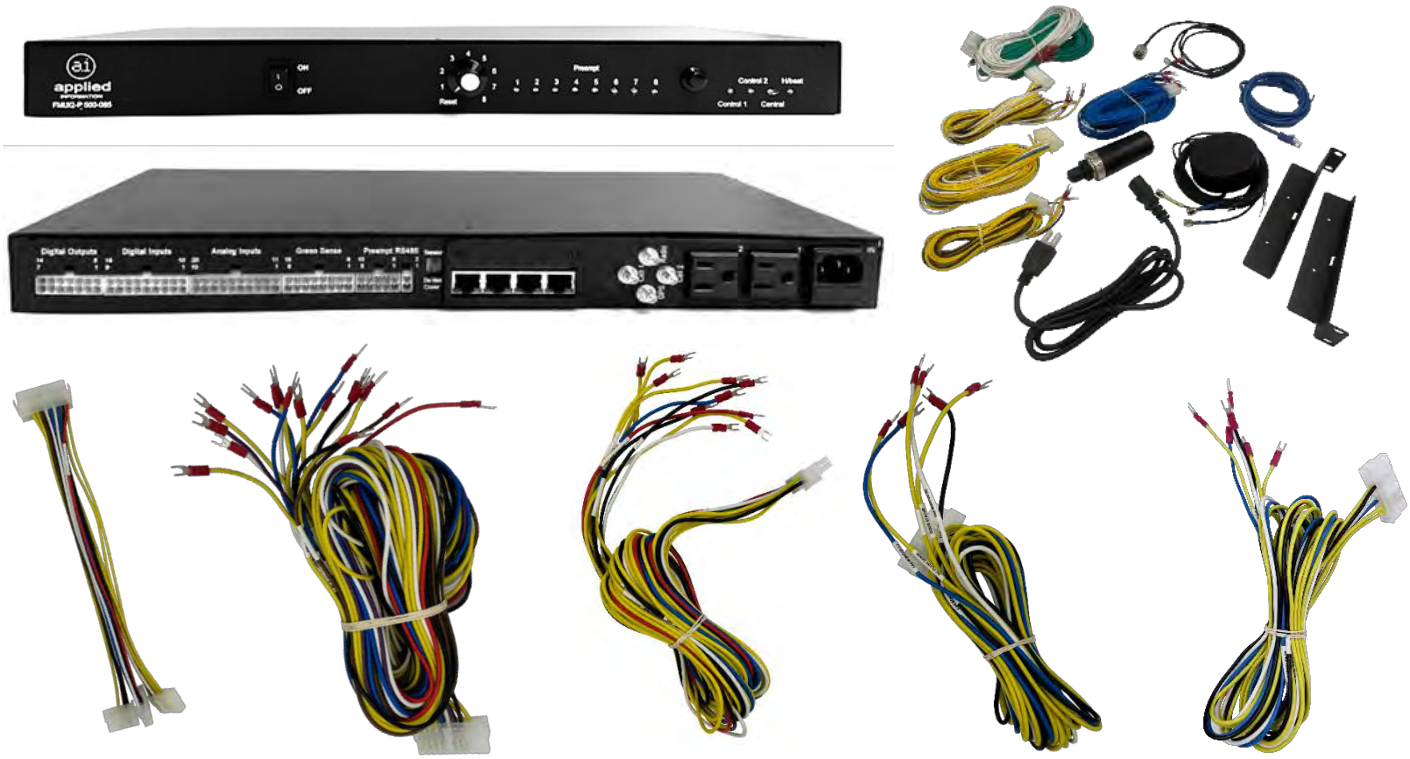
- 1 x 5500-J1B-8 Wiring Harness, 20 Type B pin for FMU/2 connection J1 (analog inputs)
- 1 x 5500-J2B-8 Wiring Harness, 18 Type B pin for FMU/2 connector J2 (digital inputs)
- 1 x 5500-J3C-8 Wiring Harness, 14 Type C pin for FMU/2 connector J3 (digital outputs)
- 1 x 5500-J5A-8 Wiring Harness, 10 Type A pin for FMU/2 connector J5 (preempt outputs)
- 1 x 5500-J6A-8 Wiring Harness, 16 Type A pin for FMU/2 connector J6 (green sense inputs)

Reduced Harnesses

- 1 x 5500-E64A-1 ft FMU I/O Harness Adapter, COMMON, 22-Way Connector with 17 Wires, 1 ft for Analog In, Digital In, and Digital Out
- 1 x 5500-J5A-8 Wiring Harness, 10 Type A pin for FMU/2 connector J5 (preempt outputs)
- 1 x 5500-J6A-8 Wiring Harness, 16 Type A pin for FMU/2 connector J6 (green sense inputs)

Reduced Harness Configuration

- 1 x 5500-E65A-7 ft FMU I/O Harness, TYPE 1 Standard Harness, 22-Way Connector with 17 Wires, 7 ft
- 1 x 5500-E65B-7 ft FMU I/O Harness, TYPE 2 Reduced Harness with Fan Monitoring, No BBS, 22-Way Connector with 6 Wires, 7 ft
- 1 x 5500-E65C-7 ft FMU I/O Harness, TYPE 3 Reduced Harness with BBS, 22-Way Connector with 10 Wires, 7 ft
- 1 x 5500-E65D-7 ft FMU I/O Harness, TYPE 4 Reduced Harness with AC Monitoring, No BBS, 22-Way Connector with 6 Wires, 7 ft



(a) **(b)** **(c)** **(d)** **(e)**

From left to right: (a) Common FMU I/O Harness Adapter, **(b)** Type 1 Standard Harness Configuration, **(c)** Type 2 Reduced Harness Configuration (No BBS), **(d)** Type 3 Reduced Harness Configuration with BBS monitoring and **(e)** TYPE 4 Reduced Harness with AC Monitoring with no BBS. The Common FMU I/O Harness Adapter is used to simplify FMU integration and cabinet wiring

ANTENNA PLACEMENT AND TESTING OF SIGNAL STRENGTH

It is recommended that the cellular signal strength of the Cell/GPS antenna is tested prior to permanent antenna installation. This requires preliminary steps, which are as follows:

CHOOSING ANTENNA POSITIONING FOR 900 MHZ AND CELL/GPS ANTENNA

- Antenna to be positioned on top of the cabinet
- Distance between antennas should be at least 1.5 ft
- Ensure antenna cables reach the FMU without strain

❖ 900 MHz radio antenna
- Receives signals from vehicles requesting preemption
- Select location with clear line-of-sight view of all intersection approaches

❖ Cell/GPS antenna
- Position opposite radio antenna
- Place as far from the radio antenna as possible to avoid interference

CONNECTING THE ANTENNA AND POWERING THE FMU

NOTE: This is a provisional step prior to FMU mounting and wiring. At this stage, the FMU is only powered for signal strength testing purposes

❖ **Connect the Cell/GPS antenna cables to the FMU:**
- Connect Cell and GPS cables as labelled on the FMU

❖ **Connect the FMU to AC power:**
- Connect the provided power cord to the FMU
- Plug into a 120 V AC outlet
- Turn FMU power switch to ON position
- Wait 30 seconds for communication to begin

TESTING ANTENNA SIGNAL USING GLANCE

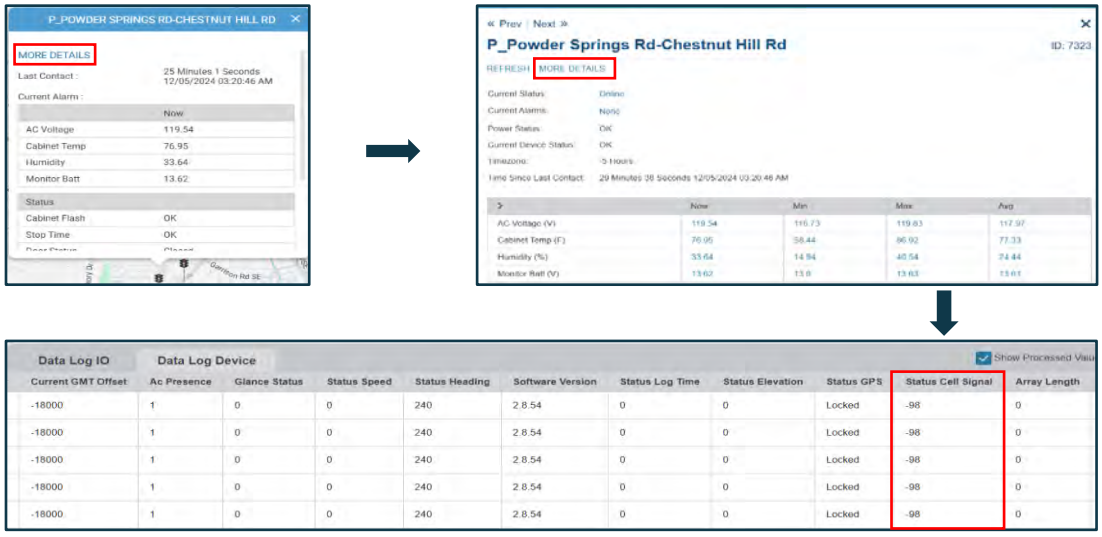
❖ **Open web browser using your internet connected device:**
- Navigate to Glance: glance.appinfoinc.com
- Enter Username and Password

❖ **Find signal strength in Glance:**
- Navigate to the “Device Details” page of the device to be installed
- This can be done in one or two ways:
  1. Click on the FMU identification/name in the list of devices shown in the left-hand panel of the home screen
  2. Locate the intersection in the map view and click on the FMU icon, then select “More Details”

- **Once on the FMU's "Device Details" Glance page:**
  - Click on "More details"
  - Go to the "Data Log Device" tab

- **Determine the status of the cell signal strength:**
  - Scroll through the "Data Log Device" table to find recorded signal strength
  - Signal should be below -115 dBm; on 4G units
    - Signal should not be more than -120 dBm; ideally in the range of -115 to -100 dBm

IMPORTANT: Signal strength values are negative numbers (where a value closer to zero represents a stronger signal). For example, -60 dBm is much stronger than -120 dBm



- **If the cell signal is not strong enough:**
  - Re-position the cellular antenna
  - Refresh the FMU device from the "Device Detail" page
  - Refresh the Glance browser page
  - Repeat as necessary until the desired signal strength is achieved

- **If the cell signal strength is within the desired range:**
  - Mark the location of the antenna position for drilling purposes
  - Turn FMU power switch to OFF position
  - Unplug the FMU from the AC power

If the desired cellular signal strength cannot be achieved, contact your local Glance representative or Applied Information Sales Engineering support to discuss alternative mounting options or the use of a specialized antenna

IMPORTANT: Power off and unplug the FMU before moving on to the next step

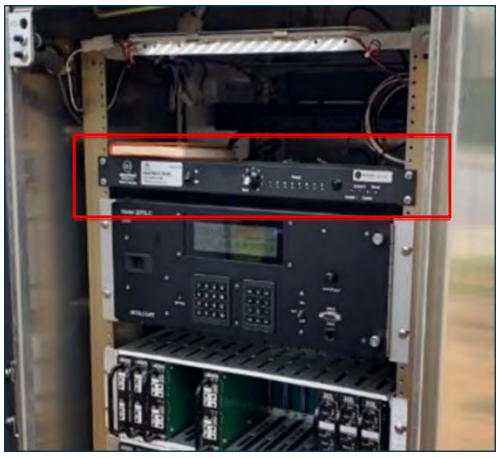
INSTALLING ANTENNA

- **Permanent installation procedure for 900 MHz radio, and Cell/GPS antenna:** (**NOTE**: Repeat process for each antenna):
  - Using a step drill, drill a hole into the cabinet at the marked location (ensure all metal shavings are captured to prevent damage to other cabinet equipment)
  - Run antenna cables through the hole
  - Apply a bead of Room Temperature Vulcanizing (RTV) silicone around the hole edge
  - Mount the antenna on top of the silicone bead, ensuring that the cabinet remains watertight
  - Tighten the antenna mounting nut

MOUNTING THE AI-500-085-02 FMU

- **Choose suitable mounting location:**
  - FMU to be installed in traffic signal cabinet
  - Mounting location may differ according to cabinet type
  - Consider cable routing when choosing the location
  - Ensure sufficient space for running of wires
  - Allow for adequate heat flow and ventilation for the FMU

- **Mount unit:**
  - Securely mount the FMU into the cabinet (see image below for an example of the FMU installation)



Example of Mounting Location

CABLE WIRING

NOTE: Do not connect wiring harnesses to the FMU until wiring is complete

- First, wire in all harness functions being used for the harnesses in the set
- Install terminal spade lugs on the end of all wires and connect wires to terminal strip as indicated. All wires are individually color coded and labelled

NOTE: Connect as per the attached wiring diagrams (page 19–29)

- **Cabinet Door Switch Wiring:**
  - Mount switches
  - Wire in parallel

- **Cabinet Monitor Wiring:**
  - Flash sense
  - Stop time
  - Battery Backup System (BBS) on battery (if present)
  - BBS Low Battery (if present)

  NOTE: Connect unit logic ground to cabinet logic ground to ensure common DC reference

- **Green Sense Wiring:**
  - Green sense neutral connections (white)
  - Green signal sense wires to green signal terminals (green)

- **Only once wiring is complete:**
  - Connect the wiring harnesses and antenna cables to the appropriate, labelled locations at the back of the FMU

- **Fan Sense Warning:**
  - Connect to switched side of fan thermostat (this is an AC input)

- **Raw AC Input Wiring:**
  - Connect AC plus to black wire of traffic cabinet AC supply
  - Connect AC neutral to AC neutral bus in the traffic cabinet

  NOTE: This connection should be on the utility side of a BBS if one is installed

- **Install Preempt Input Wiring:**
  - Connect preempt wiring (blue)
  - Connect preempt common reference (black) to logic ground

Wiring Harness Location *Antenna Connections*

POWERING THE UNIT

- **Connect the AI-500-085-02 to AC power:**
  - Connect the provided power cord to the FMU
  - Plug into a 120 V AC outlet

❖ **Power up:**
- Turn FMU power switch to ON position
- Wait 30 seconds for communication to begin
- "Heartbeat (H/beat)" and "Central" lights should begin to flash

❖ **LED Flashers:**
- Check to make sure that none of the 1–8 LEDs are illuminated
- H/Beat, Central, Control 1, and Control 2 LEDs should be normal at this time

CONNECTING ETHERNET CABLE

The Applied Information FMU supports Ethernet communication with multiple cabinet devices, including the traffic signal controller, cameras, battery backup systems, and other Ethernet-enabled equipment

❖ **No Ethernet Switch in the Cabinet**

NOTE: The FMU is communicating via cell

- Connect the Ethernet cables from the traffic signal controller and any other Ethernet-enabled cabinet devices directly to the Ethernet ports on the Applied Information FMU

❖ **Ethernet Switch Installed**

NOTE: The FMU is communicating via agency fiber

If the cabinet already contains an Ethernet switch:
- Connect the Applied Information FMU to the cabinet Ethernet switch Connect the traffic signal controller and any other Ethernet-enabled cabinet devices to the same Ethernet switch

INTERSECTION UNIT INSTALLATION CHECKLIST

Unit ID: _____

Unit Name: _____

Tested By: _____

Date: _____

CONFIGURATIONS (BEFORE INSTALLATION)		✓
Basic configuration – check Glance configuration to verify the device type has been correctly configured		
• Cabinet type	Caltrans/NEMA	
• Battery backup system (BBS)	Yes/No	
• EDI Monitor (Ethernet)	NONE/CMU/MMU	
Preempt configuration – Check Glance preempt configuration to verify the following has been done correctly		
• GPS latitude/longitude fixed at correct location		
• City code correct		
• Preempt configuration completed for all approaches		
COMMUNICATIONS (DURING INSTALLATION)		
Verify the following:		
• Cellular signal strength		
• Radio signal acquiring distance acceptable in all directions		
CABINET MONITORING FUNCTIONS (DURING INSTALLATION)		
Verify that the following I/O functions correctly		
• Unit comes online and checks into Glance		
• Distance from actual to fixed GPS position is within acceptable parameters (reported in Glance level 3)		
• AC Supply Voltage		
• Cabinet temperature and humidity		

• BBS Battery Voltage (if BBS present)	
• Conflict Monitor Details (if CMU/MMU present)	
• Cabinet Flash/Manual Flash	
• Stop Time/Conflict Flash	
• BBS On Battery (if BBS present)	
• BBS Low Battery (if BBS present)	
• Cabinet fan	
• Cabinet door status	
• Clock Sync	
CABINET PREEMPT SETUP (DURING INSTALLATION)	
Verify that preempt mapping to controller inputs are correct and controller preempt timing parameters have been correctly configured. Use the preempt test button on cabinet unit for this **NOTE: It is critical to do this "button test" of each preempt at the cabinet before attempting a drive test**	
• Preempt 1 Output Controller Preempt Input #	
• Preempt 2 Output Controller Preempt Input #	
• Preempt 3 Output Controller Preempt Input #	
• Preempt 4 Output Controller Preempt Input #	
• Preempt 5 Output Controller Preempt Input #	
• Preempt 6 Output Controller Preempt Input #	
• Preempt 7 Output Controller Preempt Input #	
• Preempt 8 Output Controller Preempt Input #	
GREEN SENSE SETUP (DURING INSTALLATION)	
Verify that the Green Sense inputs have been connected to the correct phase outputs. (Green sense inputs will be logged in the Glance level 3 detail screen "more details" when you activate a preempt using the test button)	
• All Green Sense Inputs Connected Correctly	

FUNCTIONAL PREEMPT TESTING (DURING INSTALLATION)			
Drive test the intersection from each direction and record the following results from the Glance level 3 data log			
Approach from North	**Distance**	**ETA**	**Time**
• Preempt Activated			
• Radio first activation			
• Intersection in dwell phases			
• Preempt cleared			
Approach from South	**Distance**	**ETA**	**Time**
• Preempt Activated			
• Radio first activation			
• Intersection in dwell phases			
• Preempt cleared			
Approach from East	**Distance**	**ETA**	**Time**
• Preempt Activated			
• Radio first activation			
• Intersection in dwell phases			
• Preempt cleared			
Approach from West	**Distance**	**ETA**	**Time**
• Preempt Activated			
• Radio first activation			
• Intersection in dwell phases			
• Preempt cleared			

AI-500-085-02 STANDARD I/O ALLOCATION

REV E

CONNECTOR	WIRE LABEL	FUNCTION	PIN	COLOR	DESCRIPTION
Digital Outputs J17 (14 pin)	NO Relay Output O2	O2 Relay Normally Open contact	J17-9	YEL	Clock Sync Output, Normally Open contact
	COM Relay Output O2	O2 Relay Common contact	J17-10	YEL	Clock Sync Output, Common contact
	+ 10 V Out	10 V DC out	J17-4	YEL	Whetting voltage for door status and BBS outputs
	GND	GND Out	J17-2	BLK	Ground reference for all DC inputs needs to be connected to cabinet logic ground
Digital Inputs J12 (18 pin)	Input D2	BBS On Batt (Relay A)	J12-10	YEL	BBS Relay A — Normally Closed (NC) contact; if BBS is present, connect common contact to J17-4 (+10 V DC source)
	Input D3	BBS Low Batt (Relay B)	J12-2	YEL	BBS Relay B — NC contact; if BBS is present, connect common contact to J17-4 (+10 V DC source)
	Input D4	Cabinet Door Alarm (10 V DC)	J12-3	YEL	Cab Door Alarm — Install separate door switches; normally open (NO) when doors are closed. Connect common contact to J17-4 (+10 V DC source)
	Input D5	Flash Sense	J12-4	YEL	Flash Sense (+12 V when in normal operation, 0 V during flash)
	Input D5+ (AC)	Flash Sense AC +	J12-11	YEL	Flash Sense AC — for Type 1 Traffic Signal (TS1) cabinets without 12/24 V Flash Sense monitoring: when the AC Flash Sense input is used, it is active high. 120 V AC (alternating current) indicates flash operation; 0 V AC indicates normal operation. It is also necessary to open the FMU and move the JP15 jumper to the AC position for this to work

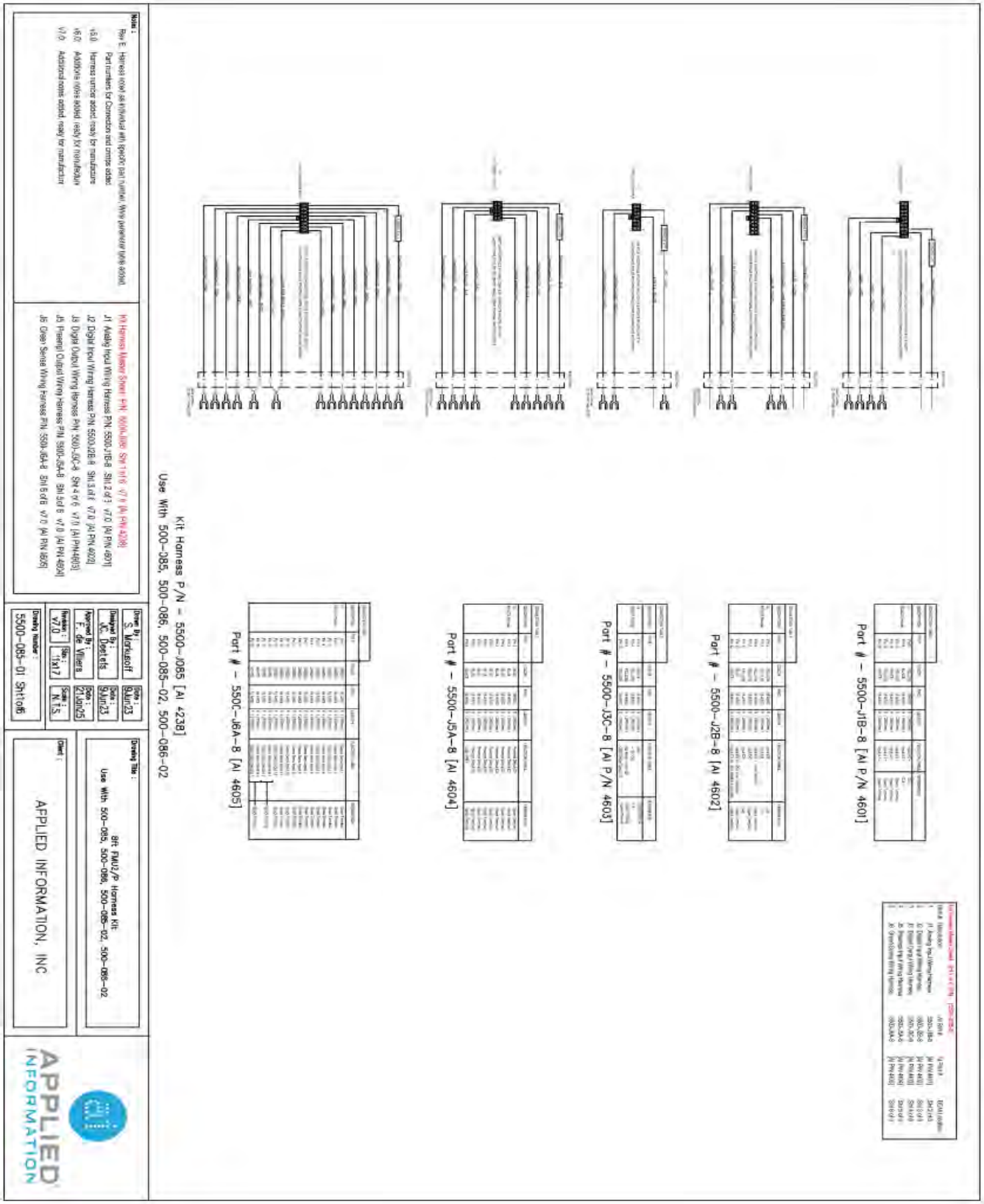
CONNECTOR	WIRE LABEL	FUNCTION	PIN	COLOR	DESCRIPTION
	Input D5- (AC)	AC Neutral	J12-12	WHT	AC Neutral Bus — To be connected to the AC neutral after the Uninterruptible Power Supply (UPS), if split from the utility neutral
	Input D6	Stop Time	J12-5	YEL	Stop Time (+12 V when in normal operation, 0 V when in stop time)
Analog Inputs J9 (20 pin)	Input Analog (A) 1+	AC Fan Monitoring (120 V AC)	J9-19	YEL	AC Fan Alarm (connect to fan +AC between fan and thermostat)
	Input A1-	AC Neutral	J9-20	WHT	AC Neutral Bus — To be connected to the AC Neutral after the UPS, if split from utility neutral
	Input A2+	BBS Battery Voltage (+) (Configured for 24 V DC)	J9-8	YEL	Battery + (connect to actual batteries) (If BBS present)
	Input A2-	BBS Battery Voltage (-)	J9-9	BLK	Battery - (connect to actual batteries) (if BBS present)
	Input A3+	AC Input (Raw) (+) (Configured for 120 V AC)	J9-15	YEL	AC Line + (From utility, before BBS)
	Inputs A3-	AC Input (Raw) (Neutral)	J9-16	WHT	AC Line Neutral (From utility, before BBS)
Green Sense J23 (16 pin)	Green Sense Input 1	Green Sense Input 1	J23-1	GRN	To be connected to Phase 1 Out (AC)
	Green Sense Input 2	Green Sense Input 2	J23-2	GRN	To be connected to Phase 2 Out (AC)

CONNECTOR	WIRE LABEL	FUNCTION	PIN	COLOR	DESCRIPTION
	Green Sense Input 3	Green Sense Input 3	J23-3	GRN	To be connected to Phase 3 Out (AC)
	Green Sense Input 4	Green Sense Input 4	J23-4	GRN	To be connected to Phase 4 Out (AC)
	Green Sense Input 5	Green Sense Input 5	J23-5	GRN	To be connected to Phase 5 Out (AC)
	Green Sense Input 6	Green Sense Input 6	J23-6	GRN	To be connected to Phase 6 Out (AC)
	Green Sense Input 7	Green Sense Input 7	J23-7	GRN	To be connected to Phase 7 Out (AC)
	Green Sense Input 8	Green Sense Input 8	J23-8	GRN	To be connected to Phase 8 Out (AC)
	Green Sense Input 9	Green Sense Input 9	J23-9	GRN	To be connected to Phase 9 Out (AC)
	Green Sense Input 10	Green Sense Input 10	J23-10	GRN	To be connected to Phase 10 Out (AC)
	Green Sense Input 11	Green Sense Input 11	J23-11	GRN	To be connected to Phase 11 Out (AC)
	Green Sense Input 12	Green Sense Input 12	J23-12	GRN	To be connected to Phase 12 Out (AC)

CONNECTOR	WIRE LABEL	FUNCTION	PIN	COLOR	DESCRIPTION
	Green Sense Neutral 1	AC Neutral In	J23-13	WHT	Neutral reference for all Green Sense inputs, needs to be connected to cabinet Neutral bar (after the cabinet surge protection)
	Green Sense Neutral 2	AC Neutral In	J23-14	WHT	
	Green Sense Neutral 3	AC Neutral In	J23-15	WHT	
	Green Sense Neutral 4	AC Neutral In	J23-16	WHT	
Preempt **J21** **(10 pin)**	Digital Output O9	Priority Output 1	J21-1	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Digital Output O10	Priority Output 2	J21-2	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Digital Output O11	Priority Output 3	J21-3	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Digital Output O12	Priority Output 4	J21-4	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Digital Output O13	Priority Output 5	J21-5	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Digital Output O14	Priority Output 6	J21-6	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)

CONNECTOR	WIRE LABEL	FUNCTION	PIN	COLOR	DESCRIPTION
	Digital Output O15	Priority Output 7	J21-7	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Digital Output O16	Priority Output 8	J21-8	BLU	To be connected to Controller Preempt/Priority inputs (24 V logic, 0 V active)
	Logic GND	GND Out	J21-9	BLK	Ground reference for all DC inputs needs to be connected to the cabinet logic ground, or if using DC isolators on the input side of the isolator

AI 500-085-02 STANDARD HARNESSES WIRING DIAGRAMS



Qty	Description	M.P/N	AI Part #
6	Mini Fit Female Crimp Termina	39000038	[AI P/N 3379]
1	Mini Fit Receptacle 20 Circuits	36012200	[AI P/N 3378]
4	Spade Terminals	69145K65	[AI P/N 4695]

Part # – 5500-J1B-8 [AI P/N 4601]
For Use With 500-080,081,085,086

J2 Digital Input Wiring Harness P/N: 5500-J2B-8 Sh1 of 6 v7.0 [AI P/N 4602]

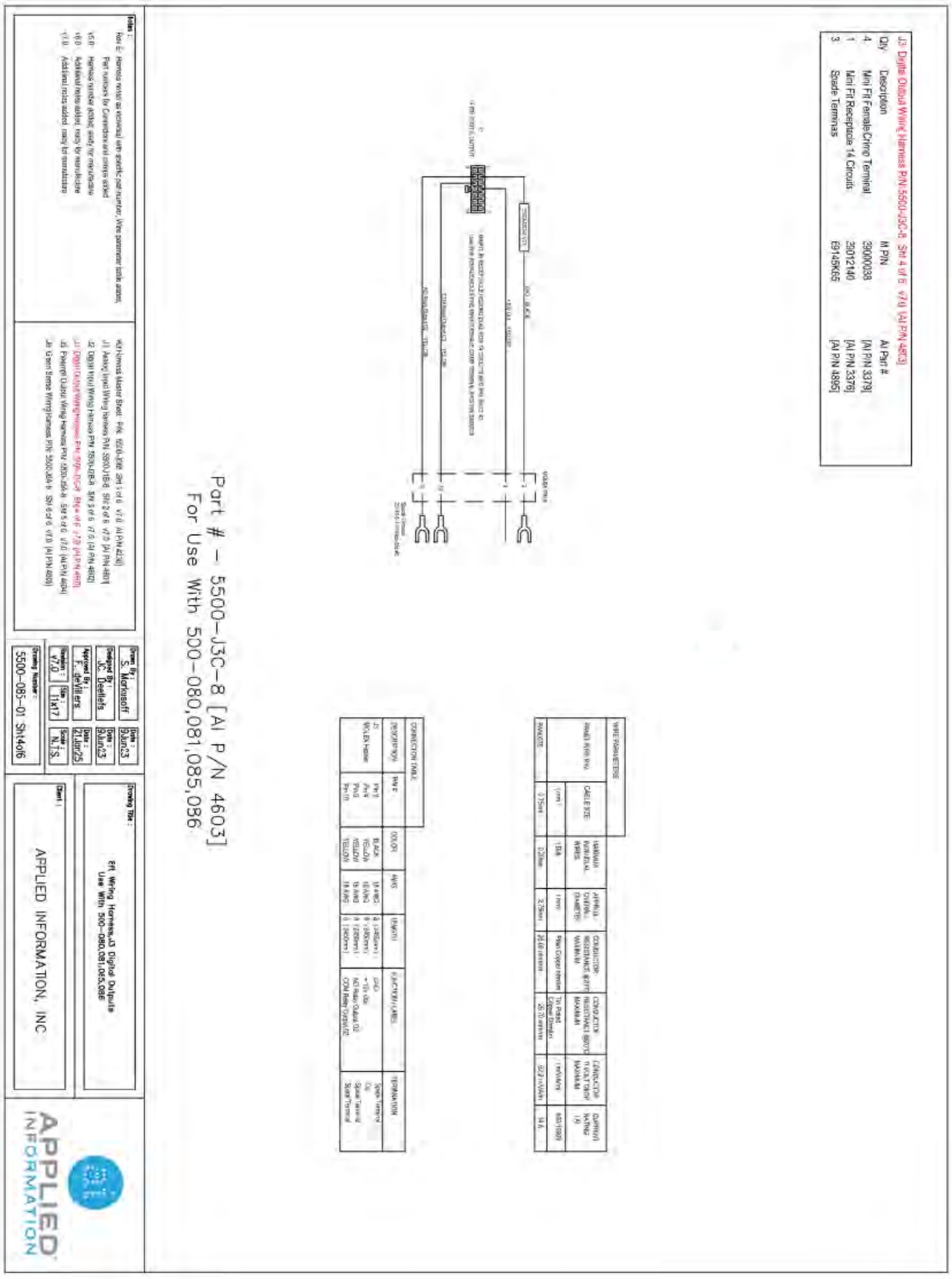
Qty	Description	M P/N	AI Par #
7	Mini Fit Female Crimp Terminal	39600036	[AI P/N 3979]
1	Mini Fit Receptacle 18 Circuits	39R12180	[AI P/N 3377]
4	Spade Terminals	69145455	[AI P/N 4695]

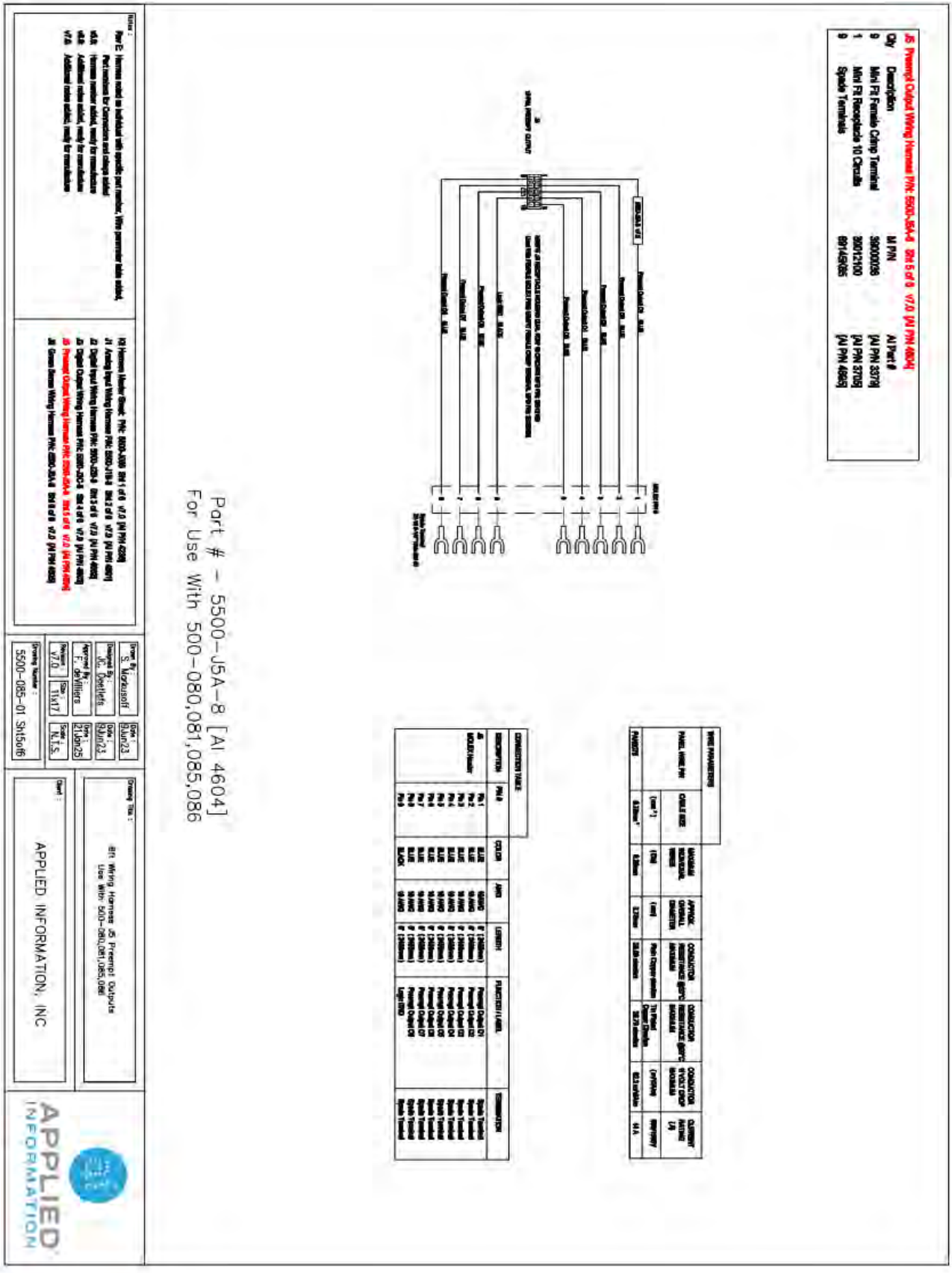
Part # – 5500–J2B–8 [AI 4602]
For Use With 500–080,081,085,086

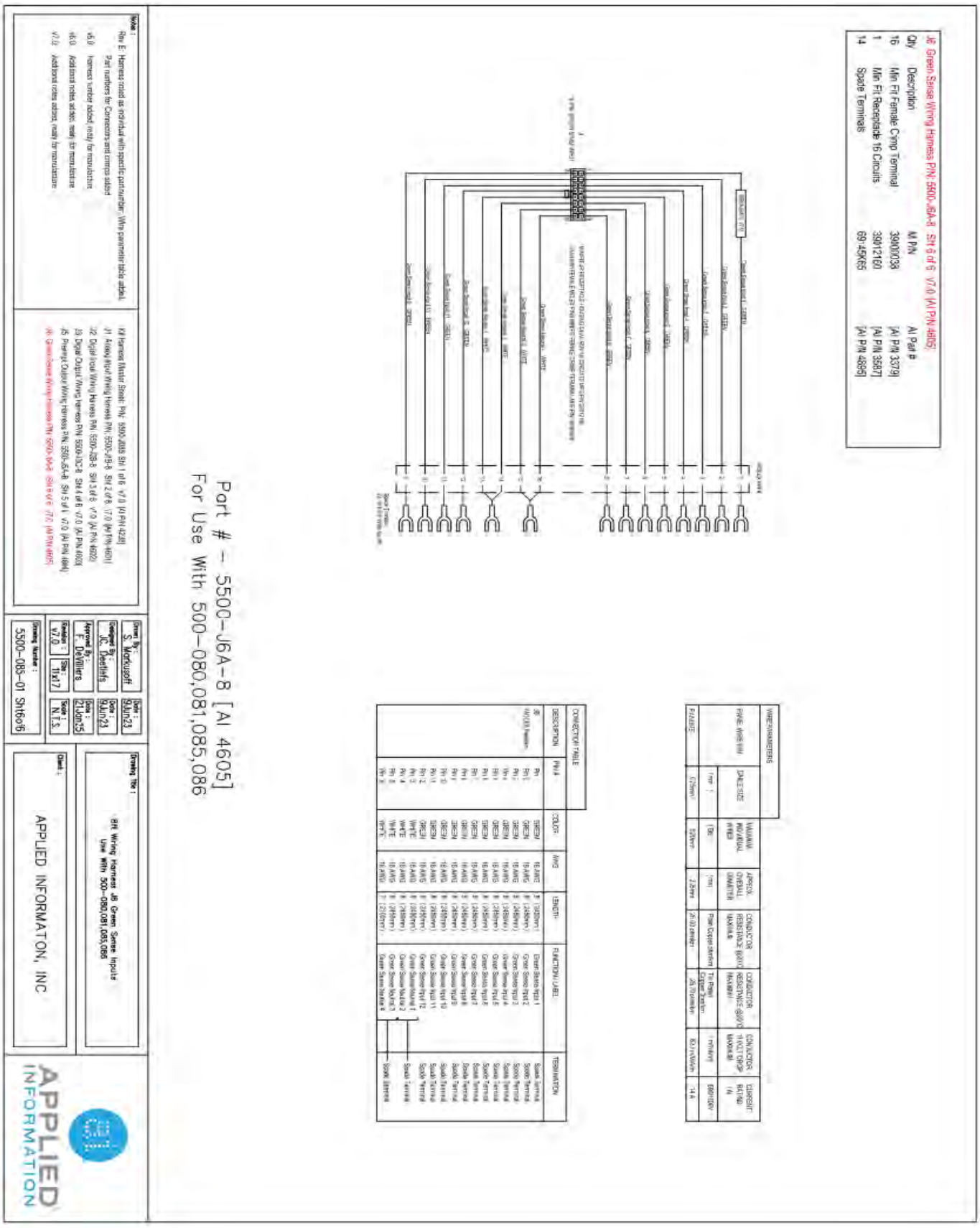
Drawn By: S. Markusoff	Date: 8Jun23
Designed By: JC. Daellels	Date: 8Jun23
Approved By: F. deVilliers	Date: 21Jun25
Revision: v7.0	Sheet: 1 to 7
Drawing Number: 5500–085–01 Sh1of6	Scale: N.T.S.

Drawing Title: 8ft Wiring Harness J2 Digital Inputs
Use With 500–080,081,085,086

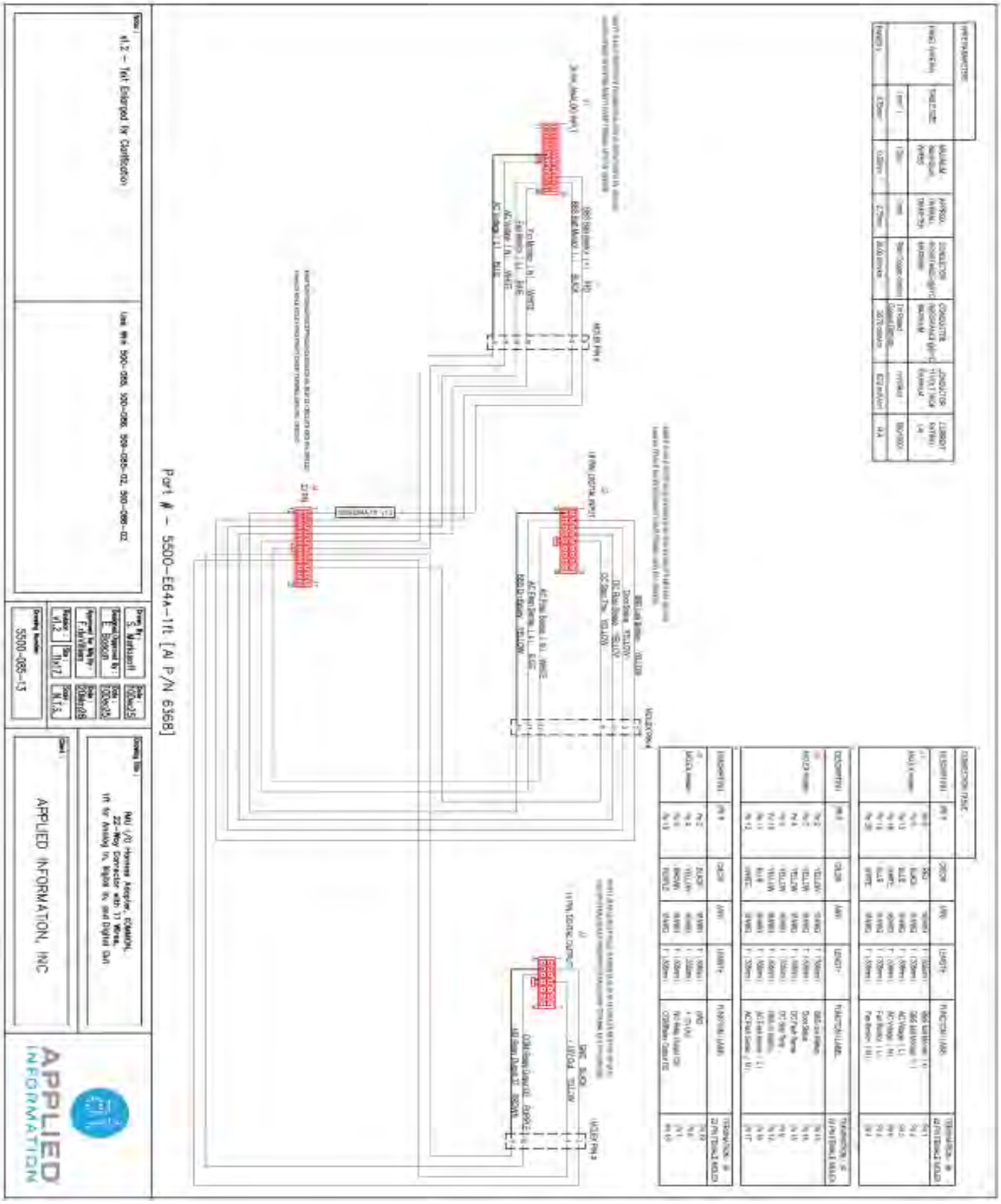
Client: APPLIED INFORMATION, INC

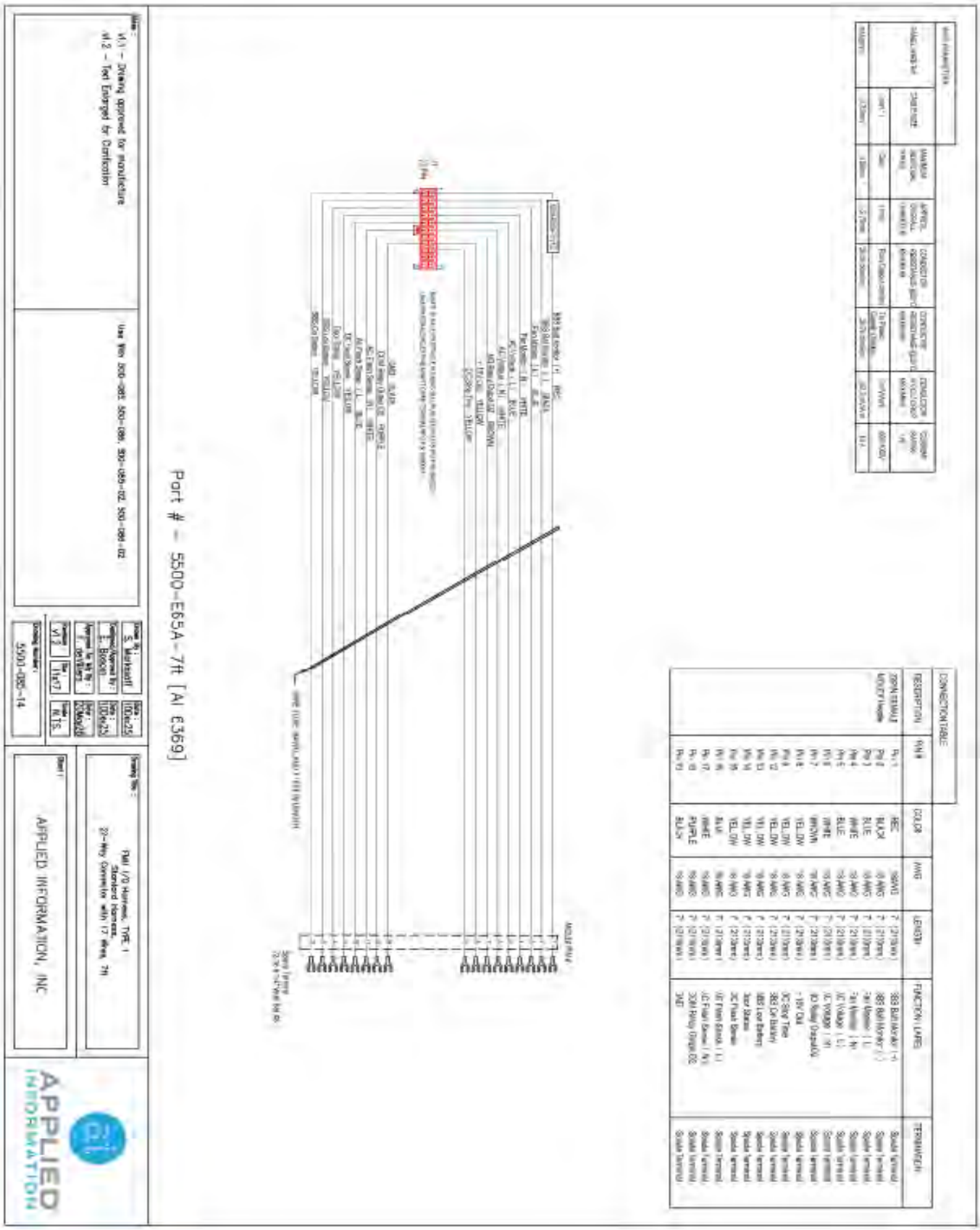

J3: Digital Output Wiring Harness P/N 5500-J3C-8, Sht 4 of 6 v7.0 (AI P/N 4603)
Qty Description AI P/N AI Part #
4 Mini Fit Female Crimp Terminal 39000038 [AI P/N 3379]
1 Mini Fit Receptacle 14 Circuits 38012140 [AI P/N 3376]
3 Spade Terminals 69145K65 [AI P/N 4895]
Part # – 5500-J3C-8 [AI P/N 4603]
For Use With 500-080,081,085,086
Drawn By: S. Markoseff Date: 9Jun23
Designed By: JC. Beetlets Date: 9Jun23
Approved By: F. deVilliers Date: 21Jun25
Version: v7.0 Size: 11x17 Scale: N.T.S.
Drawing Number: 5500-085-01 Sht4of6
Drawing Title: Eff. Wiring Harness,J3 Digital Outputs Use With 500-080,081,085,086
Client: APPLIED INFORMATION, INC
APPLIED INFORMATION

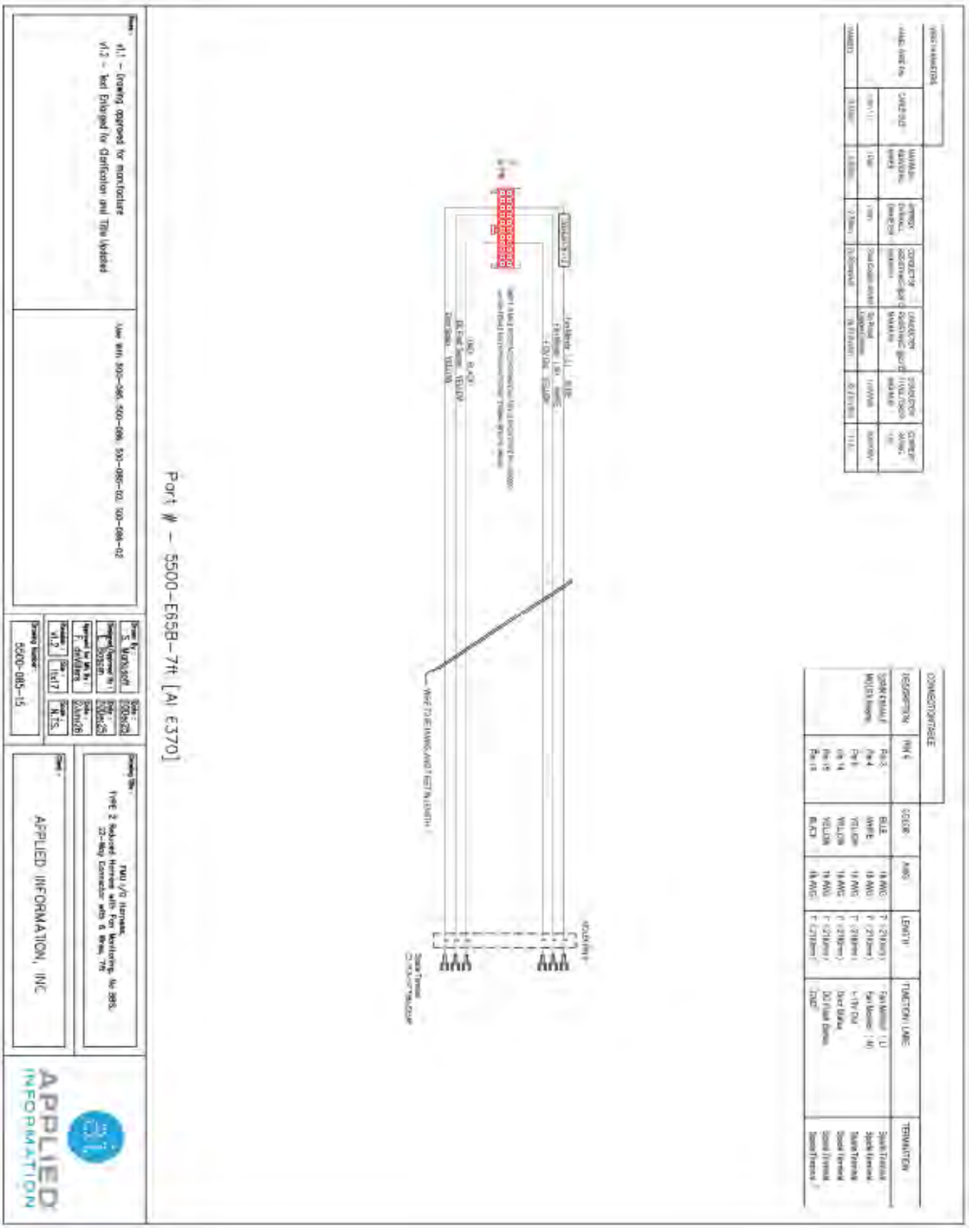

J5 Preempt Output Wiring Harness P/N: 5500-J5A-8 Sht 5 of 6 v7.0 [AI P/N 4604]
Qty Description M P/N AI Part #
9 Mini Fit Female Crimp Terminal 39000036 [AI P/N 3379]
1 Mini Fit Receptacle 10 Circuits 90012100 [AI P/N 3705]
9 Spade Terminals 69145085 [AI P/N 4965]
Part # - 5500-J5A-8 [AI 4604]
For Use With 500-080,081,085,086
APPLIED INFORMATION

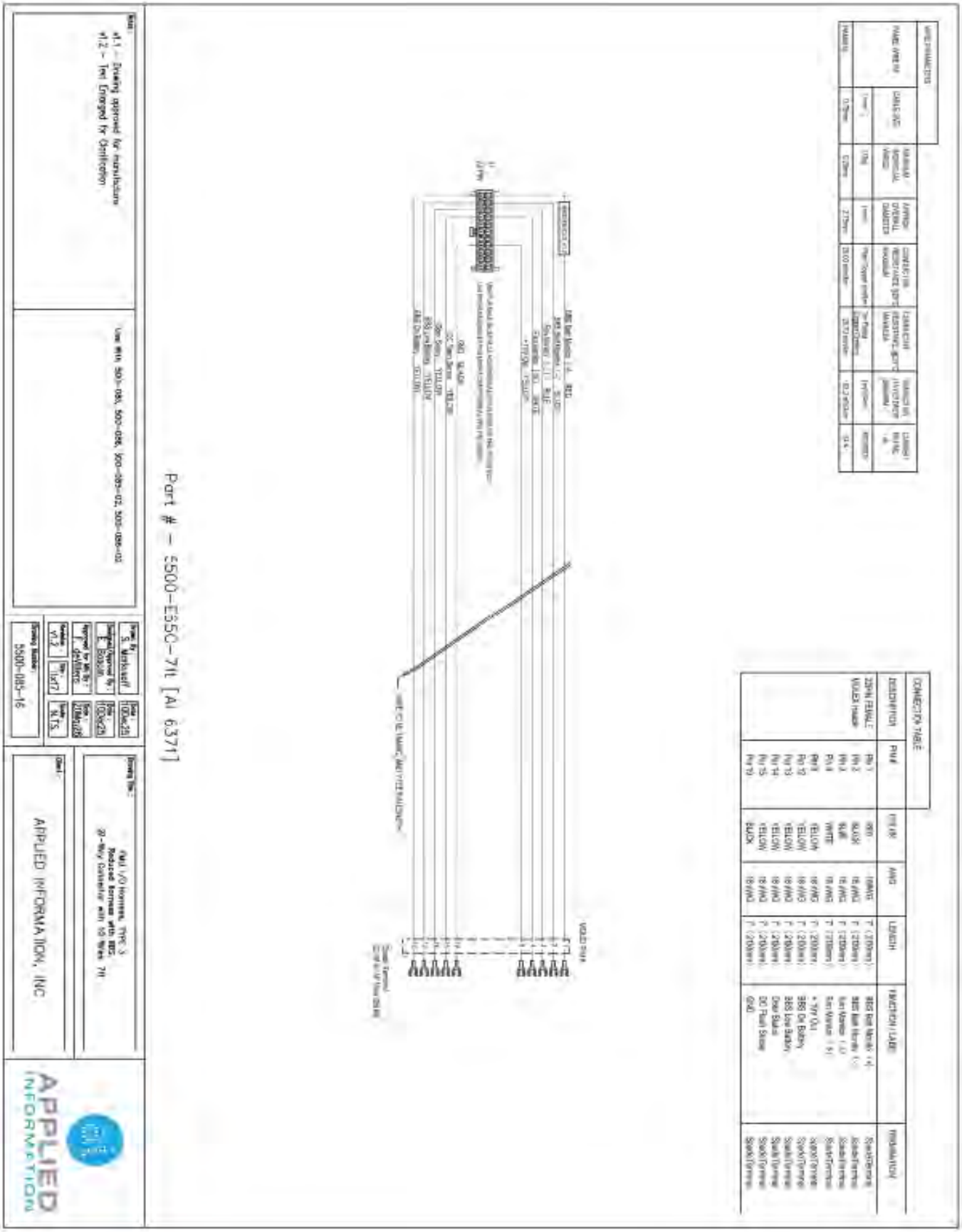

J6 Green Sense Wiring Harness P/N: 5500-J6A-8 Sht 6 of 6 v7.0 [AI P/N 4605]
Qty Description Mfr P/N AI Part #
16 Mfn Fit Female Crimp Terminal 39000039 [AI P/N 3379]
1 Mfn Fit Receptacle 16 Circuits 39012160 [AI P/N 3587]
14 Spare Terminals 69-45K65 [AI P/N 4686]
Part # – 5500-J6A-8 [AI 4605]
For Use With 500-080,081,085,086
APPLIED INFORMATION

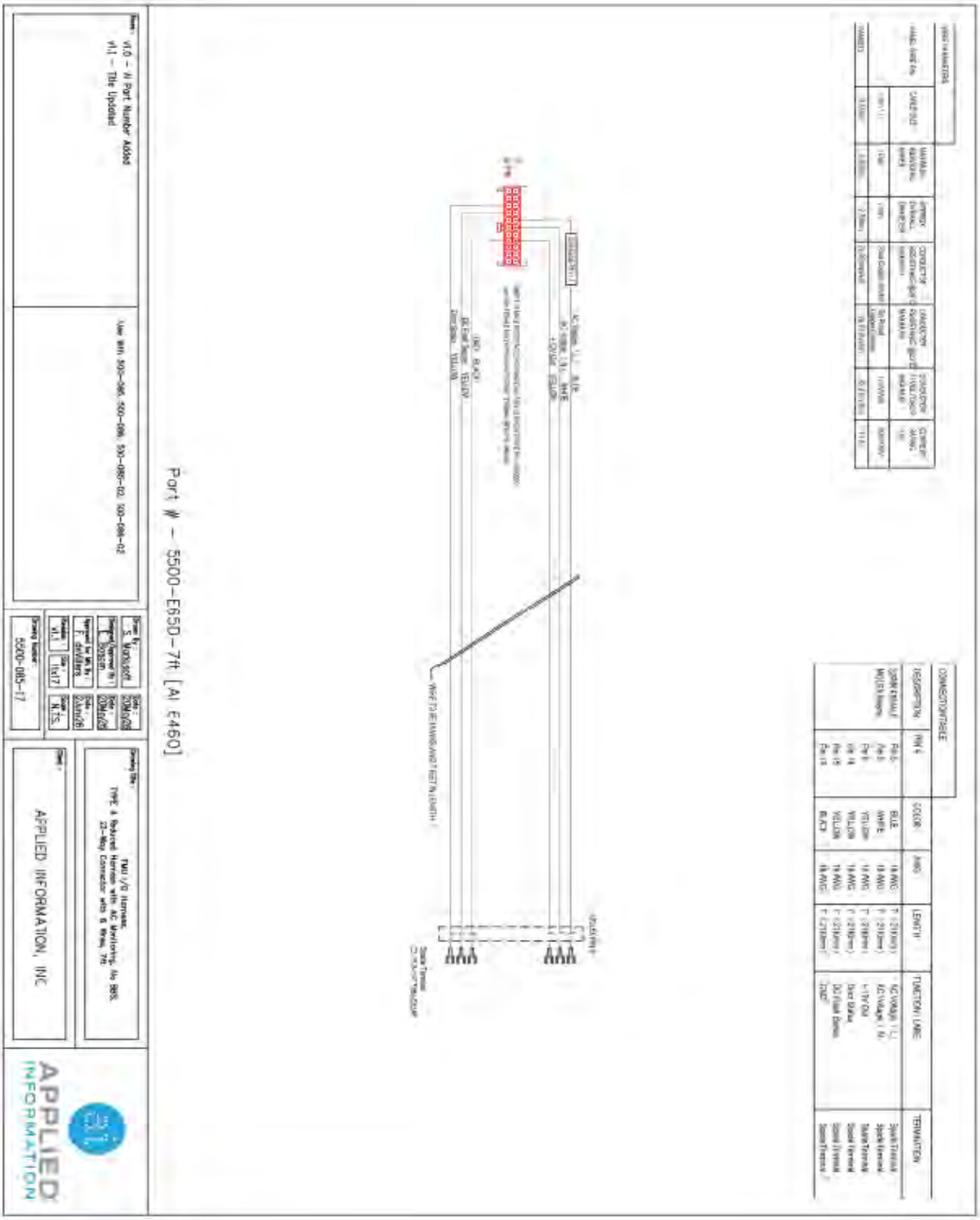
AI 500-085-02 REDUCED HARNESSES WIRING DIAGRAM




Part # - 5500-E65A-7ft [AI 6369]
APPLIED INFORMATION, INC
APPLIED INFORMATION


Part # - 5500-E65B-7ft [AI E370]
APPLIED INFORMATION, INC
APPLIED INFORMATION


Part # – 5500-E550-7ft [AI 6371]
APPLIED INFORMATION, INC


Part # - 5500-E65D-7ft [AI E460]
APPLIED INFORMATION, INC
5500-085-17
v1.0 - AI Part Number Added
v1.1 - Title Updated

CUSTOMER FEEDBACK FORM

WE VALUE YOUR FEEDBACK

We value your input and are continuously working to improve our installation guides and overall user experience. Your input helps us enhance clarity, usability, and overall product support

Please scan the QR code below or visit the link provided to share your feedback on the Glance FMU Installation Guide

LINK: https://bit.ly/3MHmh6U

Your responses are used solely to improve our documentation