



June 13, 2023

RESPONSE LETTER NO. 3 TO REQUEST FOR INFORMATION

Project Title: **Unit Substation Equipment Replacement – Phase 1**
Project No.: **TP-0000008861 (MCC 7040 Plan)**

Questions from Mr. Noel Melo, Statewide Electrical Services Inc., Request for Information dated 6/2/2023, 3:23 PM. Please see attachment.

- QUESTION: 1) There are three documents detailing the required quantities for Equipment Page 406 / 599; Single Line Diagrams on pages 439- 443/599 and the BOMs on pages 407 – 418 / 599. Which one is the guiding document?
- RESPONSE: 1) Single Line Diagram is the guiding document. The Objective is to replace the existing equipment in kind with Similar new equipment. The bid documents are a guidance for the selection of the correct equipment. As a clarification, contractor to include existing 480V external generator connection into the new switchboard, with Kirk Key and interlocking of breakers when generator is running.
- QUESTION: 2) There are multiple references to SCADA or indications throughout section 01 11 00. The Package does not provide any details on the amount of Local or remote indications or the nature of the transmission of these signals to Central Control / Local annunciators. Please provide SCADA I/O List for each location Shop Drawings of Local SCITC Cabinets as well as local annunciation requirements?
- RESPONSE: 2) Existing Supervisory Control Interface Terminal Cabinet (SCITC) and existing functionality shall remain in place. Contractor shall connect new equipment to existing SCITC cabinet and verify functionality. No other equipment changes are envisioned. Please refer to SCITC attachments under this RFI No. 3.
- QUESTION: 3) There are multiple references to an “Automatic Transfer System” between the Main 1 Tie Main 2 on the incoming side of the 480V switchboards. Please provide full Description of the Automatic Transfer System including Local /remote operation and Test Button requirements?
- RESPONSE: 3) In normal operating mode, main breaker A is closed, main breaker B is closed, and tie breaker is open. In the event of loss of power on feeder A, main breaker A is open, main breaker B is closed and tie breaker is closed. In the event of loss of power on feeder B, main breaker A is closed, main breaker B is open and tie breaker is closed. Please see attached Auto Throwover Diagram under this RFI No. 3.

QUESTION: 4) 01 11 00 section 2.1.1

- a) Load interrupter switch states "Fuses (only in locations where required)" What are the locations that require fuses?
- b) Confirm the existing 15kV field cables are 1,500kcmil and will be re-used?
- c) The BOM lists Current Transducers 600: 5A and Voltage Transformers 13.2kV. However no protective relay is within the cubicles BOM. What are these items used for?
- d) Please provide documentation for 15kV Cable termination on existing cables?

RESPONSE: 4)

- a. Load Interrupter Switch Fuses shall be provided only at Lehman Center unit substation 1 and unit substation 2. Refer to Unit Substation Equipment shown in Table on page 466 of the solicitation documents for more details.
- b. Yes, existing 15KV field cables are 1,500 kcmil and will be reused.
- c. Items are used for voltmeter and ammeter, to indicate under voltage, Phase sequence (Device 47).
- d. Please refer to photos provided under the Solicitation Documents. No additional information is currently available.

QUESTION: 5) 01 11 00 section 2.1.2

- a) The Transformer specification does not include a Temperature Monitoring Device. Is this intentional?
- b) Please provide documentation on the existing Cable lugs for primary and secondary cable currently installed.

RESPONSE: 5)

- a) Transformers shall be provided with Qualitrol/similar temperature monitoring device.
- b) Please refer to photos provided under the Solicitation Documents. No additional information is currently available.

QUESTION: 6) 01 11 00 Section 2.1.3

- a) Please describe the Details of the control logic required for the Sm@rt DAS.
- b) Please provide a signal list for the MODBUS Communication.
- c) Please provide Details as to what is needed for UPS Backup Control Power.
- d) Please confirm the cable entrance locations (top/bottom) are correctly shown in this section.

RESPONSE: 6)

- a – Existing SCITC cabinet and existing functionality will remain in place. No other equipment changes are envisioned.
- b – Existing SCITC cabinet and existing functionality will remain in place. No other equipment changes are envisioned.
- c – UPS backup power is not required.
- d – Cable entrance locations are at the bottom.



QUESTION: 7) **01 11 00 4.1.5**

- a) Please provide referenced wiring diagrams.

RESPONSE: 7)

- a) Referenced wiring diagrams are large blueprints and are available at Lehman Center for inspection, please contact Ian Pereira, ian.pereira@miamidade.gov for more information and to coordinate a visit for inspection.

QUESTION: 8) **01 11 00 5.1.2**

- a) Please define the testing requirements for Items a; b; c; d; e.

RESPONSE: 8)

- a) Testing for items a, b, c, d, e will include the industry standard criteria for such tests.

QUESTION: 9) **01 11 00 7.0**

- a) Will DPTW make available a classroom for the required training?

RESPONSE: 9)

- a) Yes, DTPW will make classrooms available for the required training.

QUESTION: 10) **01 11 00 10.0**

- a) Please clarify the intent of the USS Equipment Brochures. Is SIEMENS the only acceptable Manufacturer?

RESPONSE: 10)

- a) Yes, SIEMENS is the only acceptable manufacturer. USS equipment brochures are provided as a guide to contractors.

QUESTION: 11) **01 11 00 11.0**

- a) Please provide legible Single Line Diagrams. These Drawings are not suitable to determine proper ratings of all components.
- b) Please confirm that the scope of work is solely based on the 01 11 00 and equipment downstream of Switchboard A and Switchboard B is not part of the scope for this project.
- c) Please provide a specification for the transformers connected on the 480V side e.g. 15kVA 480 / 120 / 208 Transformer.
- d) The 15kV Load interrupter switches do not show PTs, CTs or Fuses however these items are required per BOM. Which Document is valid?
- e) Confirm that 15kV Cables shown on the Single Line Diagrams is existing and shall be reused?

RESPONSE: 11)

- a – USS Single Line Diagrams are being provided as an attachment to this RFI, as a guide to contractors. No additional information is currently available.
- b – Automatic Transfer Switches (ATS) located downstream of Switchboard A and Switchboard B shall be provided as Indicated. No other equipment located downstream from Switchboard A and Switchboard B is to be replaced.
- c – Please refer to the bid documents as a guide to provide the correct 13.2KV to 480V step down transformers. No additional information is currently available.
- d – 15KV load interrupter switches do not need PT or CT. Fuses shall be provided at locations as indicated on page 466 of the solicitation documents.
- e –Confirmed, 15kV Cables shown on the Single Line Diagrams are existing and can be reused.

QUESTION: 12) **01 11 00 12.0**

- a) Picture 1. Assume these are the 15kV Cables entering the Load Break Switch. Please confirm.
- b) Picture 2. Assume these are the 15kV Cables entering the Load Break Switch. Please confirm.
- c) Picture 3 Assume this shows the Interface between Load Break Switch and primary side of the Transformer. Please confirm.
- d) Picture 4 Assume this shows the Interface between
- e) Transformer secondary and Switchboard. Please confirm.
- f) Pictures 7 and 8 show protective relays that are not in the BOM or the Single Line Diagrams. Please confirm what these are for.
- g) Picture 10 shows CT. Please confirm location and provide wiring diagram for the secondary wires.

RESPONSE: 12)

- a – confirmed.
- b – confirmed.
- c – confirmed.
- d – confirmed.
- e – Devices are for Auto Transfer (47). For breaker protection and metering.
- f – CT is located at circuit breaker connection. No wiring diagram for the secondary wires is currently available.

QUESTION: 13) **01 45 23**

- a) States that all Tests shall be done by an independent Testing laboratory. Please confirm this section does not apply to the Tests listed under 01 11 00 5.1.2

RESPONSE: 13)

- a) Confirmed, section "01 45 23" does not apply to the tests listed under 01 11 00 5.1.2.

QUESTION: 14) **01 78 36**

- a) Please confirm that start of warranty is the final acceptance of each location?

RESPONSE: 14)

- a) Start of Warranty is the final acceptance of each location.

QUESTION: 15) Page #6 Insurance Requirements "D"

- a) Please confirm that the umbrella liability insurance in an amount not less than \$3,000,000.00 per occurrence and \$3,000,000.00 aggregate is needed for this project?

RESPONSE: 15)

- a) Confirmed, the umbrella liability insurance in an amount not less than \$3,000,000.00 per occurrence and \$3,000,000.00 aggregate is needed for this project.

QUESTION: 16) Page #6 Insurance Requirements "E"

- a) Please clarify if the installation floater insurance is needed in addition to commercial general liability, if so, please confirm if this insurance must be active for the duration of the project (5 years)?

RESPONSE: 16)

- a) Confirmed.



Department of Transportation and Public Works
111 NW 1st Street Suite 1410
Miami, Florida 33128-1970
T 305-375-2930 F 305-375-2931
miamidade.gov

Questions from Mr. Noel Melo, Statewide Electrical Services Inc., Request for Information dated 6/9/2023, 4:33 PM. Please see attachment.

QUESTION: 1) Are the main breakers A & B kirk key interlock with the generator breaker?

RESPONSE: 1) yes, they interlock with the generator breaker.

QUESTION: 2) Is there any breaker 480 V 3 poles with a shunt trip protection, if so, please provide information?

RESPONSE: 2) No, there are no 480V 3 pole breakers with shunt trip protection in this project.

END OF REQUEST FOR INFORMATION NO. 3

Sincerely,

A handwritten signature in blue ink, appearing to read "A/ Muñoz".

Alfredo E. Muñoz, P.E.
Chief, Capital Improvements Division
Department of Transportation and Public Works (DTPW)

AM:kf

cc:

Katherine Fernandez, DTPW
Marco Movilla, DTPW
Clerk of the Board

Ian Pereira, DTPW
Laurie Johnson, ISD
Project File

Fernandez, Katherine (DTPW)

From: Statewide Electrical (Noel Melo) <statewideelectrical@yahoo.com>
Sent: Friday, June 2, 2023 3:23 PM
To: Fernandez, Katherine (DTPW)
Cc: Clerk of the Board (COC)
Subject: Bid TP-0000008861 Unit Substation Equipment Replacement - Phase I
Attachments: TP-0000008861 RFI - 1ST E-MAIL.pdf

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good afternoon Mrs. Fernandez,

We hope all is well with you and your family. Please be advised that we have downloaded the bid documents (As per the pre-bid meeting, to notify you). Also find attached the requests for information for the above mentioned project.

Have a great day.

Thank You
Noel Melo

STATEWIDE ELECTRICAL SERVICES, INC
EC 13003367 CSBE 2224 DBE 4130
12905 WEST OKEECHOBEE ROAD BAY # 4 HIALEAH GARDENS , FL 33018
PH 305 592 6965 FAX 305 823 1817 Email statewideelectrical@yahoo.com
Primary Services: *Traffic Signals* Drill Shaft (5 Feet Diameter by 45 Feet in Depth)* Parking Lot,
Roadway & Street Lighting Fixture Pole Installation* Bucket Truck (60 Feet) * Fiber Optics* Electrical*
Crane Services* Fire Alarm* Access Control* CCTV* Design/Build Projects *
President Noel Melo

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4. 01 11 00 section 2.1.1
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 - b. Confirm the existing 15kV field cables are 1,500kcmil and will be re-used
 - c. The BOM lists Current Transducers 600 : 5A and Voltage Transformers 13.2kV. However no protective relay is within the cubicles BOM. What are these items used for?
 - d. Please provide documentation for 15kV Cable termination on existing cables
5. 01 11 00 section 2.1.2
 - a. The Transformer specification does not include a Temperature Monitoring Device. Is this intentional?

- b. Please provide documentation on the existing Cable lugs for primary and secondary cable currently installed.
- 6. 01 11 00 Section 2.1.3
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Fernandez, Katherine (DTPW)

From: Statewide Electrical (Noel Melo) <statewideelectrical@yahoo.com>
Sent: Friday, June 9, 2023 4:33 PM
To: Fernandez, Katherine (DTPW)
Cc: Clerk of the Board (COC)
Subject: Bid TP-0000008861 Unit Substation Equipment Replacement - Phase I
Attachments: TP-0000008861 RFI - 2ND E-MAIL.pdf

EMAIL RECEIVED FROM EXTERNAL SOURCE

Good afternoon Mrs. Fernandez,

We hope all is well with you and your family. Please find attached the requests for information for the above mentioned project.

Have a great day.

Thank You
Noel Melo

STATEWIDE ELECTRICAL SERVICES, INC
EC 13003367 CSBE 2224 DBE 4130
12905 WEST OKEECHOBEE ROAD BAY # 4 HIALEAH GARDENS , FL 33018
PH 305 592 6965 FAX 305 823 1817 Email statewideelectrical@yahoo.com
Primary Services: *Traffic Signals* Drill Shaft (5 Feet Diameter by 45 Feet in Depth)* Parking Lot,
Roadway & Street Lighting Fixture Pole Installation* Bucket Truck (60 Feet) * Fiber Optics* Electrical*
Crane Services* Fire Alarm* Access Control* CCTV* Design/Build Projects *
President Noel Melo

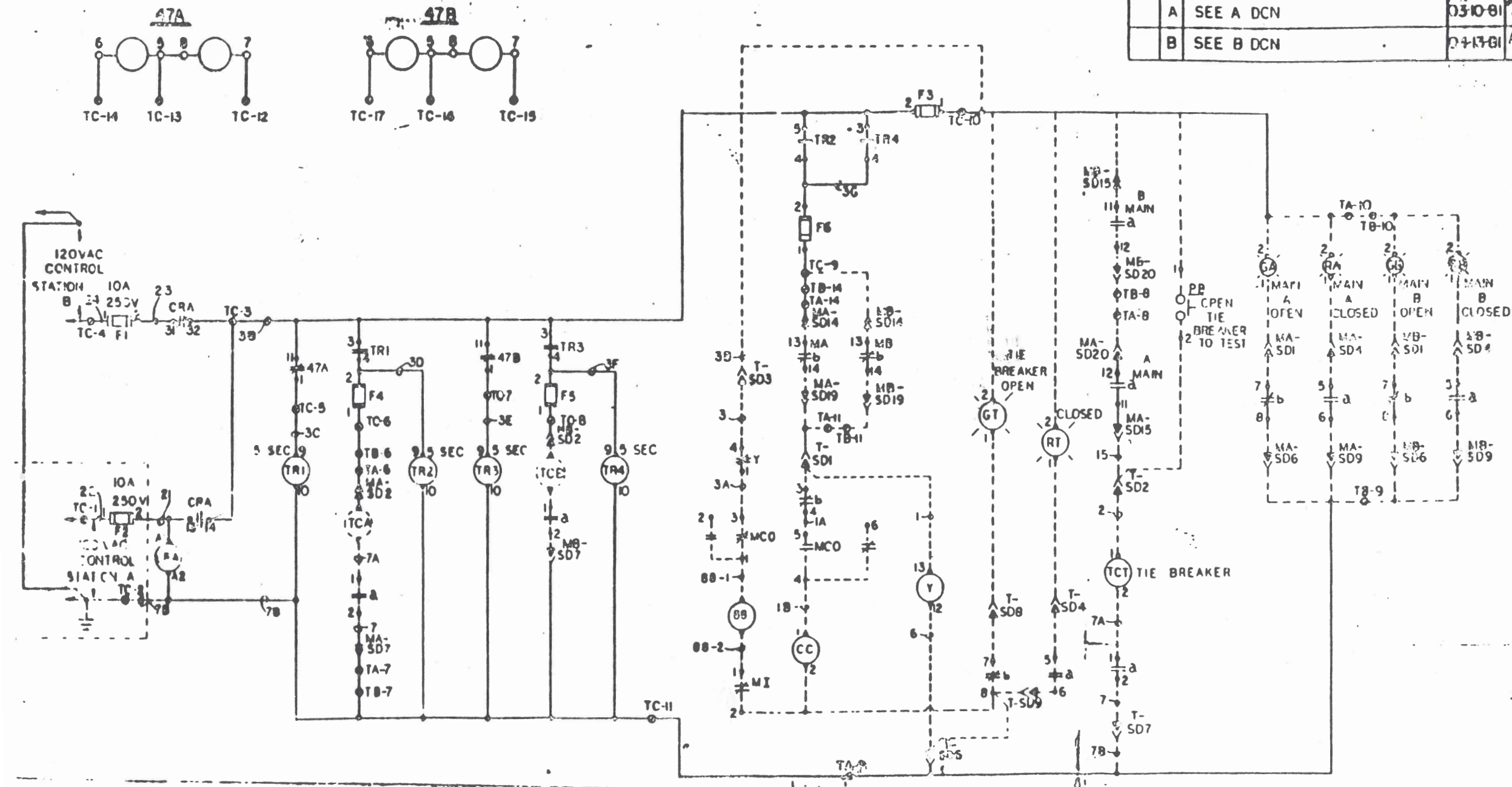
TP-0000008861 Unit Substation Equipment Replacement - Phase I

REQUEST FOR INFORMATION

1. Are the main breakers A & B kirk key interlock with the generator breaker?
2. Is there any breaker 480 V 3 poles with a shunt trip protection, if so, please provide information?

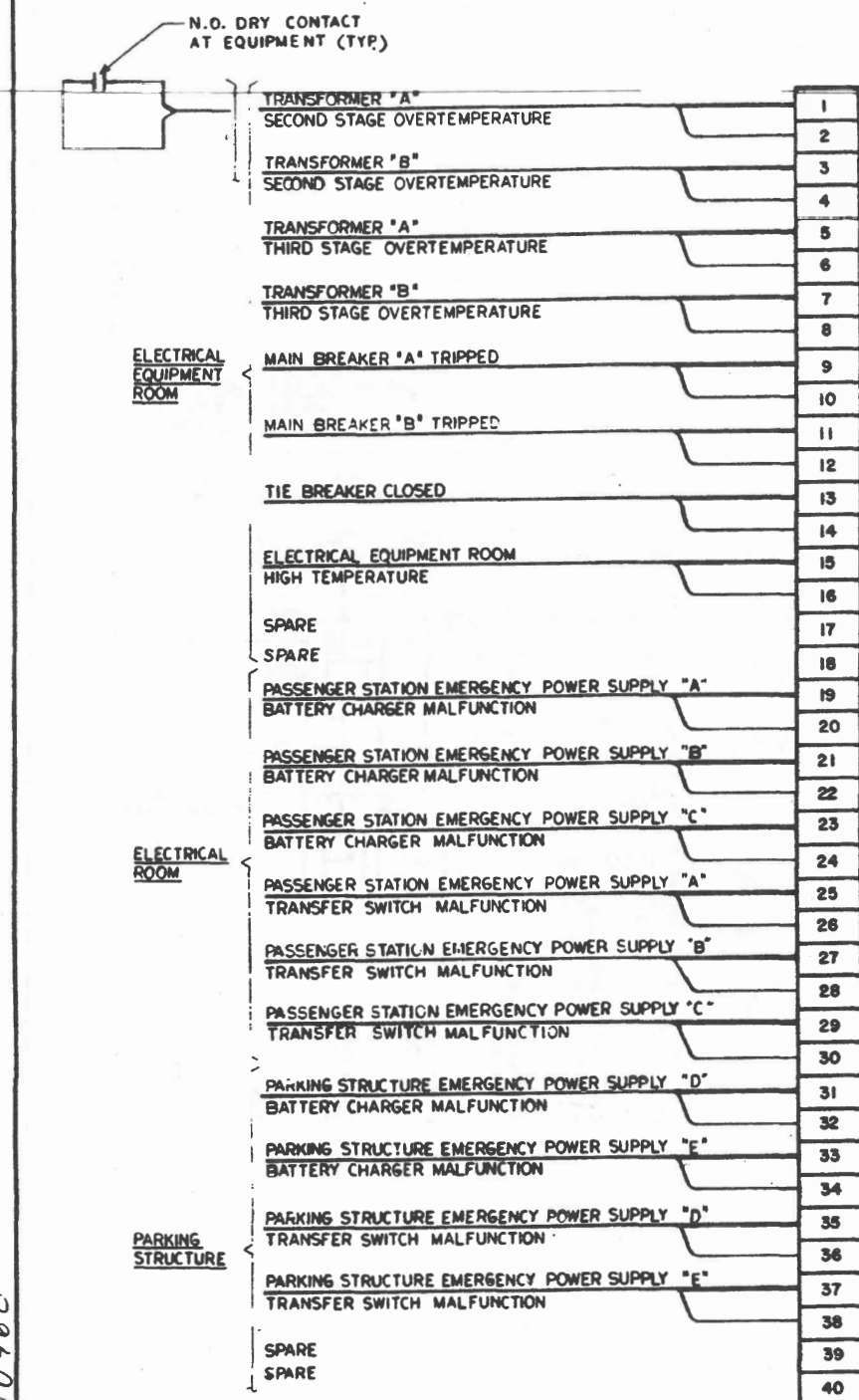
Auto Throwover Diagram for RFI No. 3

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHKD.
A	03-10-81	SEE A DCN		
B	04-17-81	SEE B DCN		



AUTO THROWOVER DIAGRAM

Dadeland North IO list for RFI. No. 3



TRAIN CONTROL AND
COMMUNICATIONS
ROOM

SPARE
SPARE

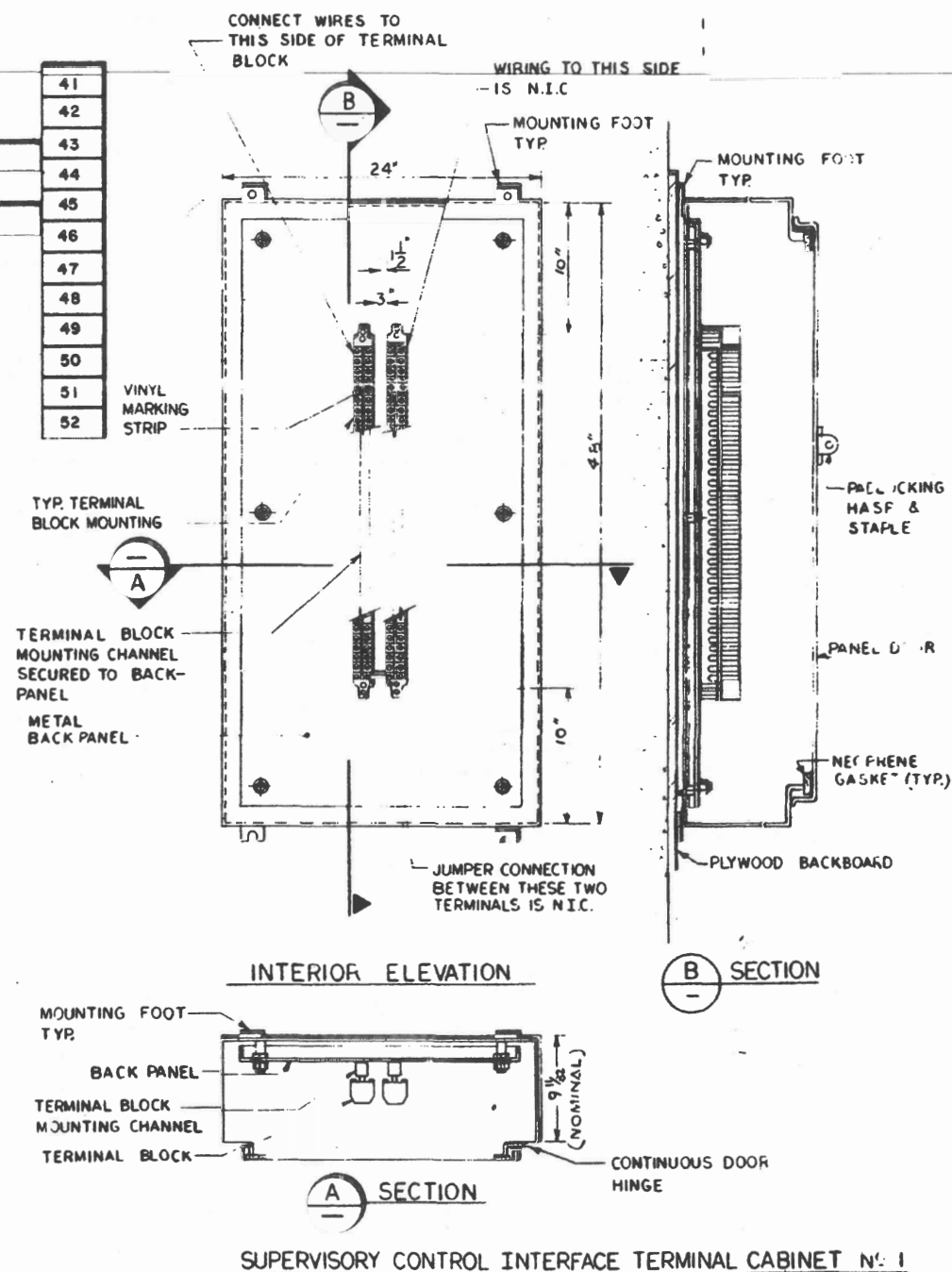
TRAIN CONTROL AND COMMUNICATIONS BATTERY
ROOM FAN MALFUNCTION

TRAIN CONTROL AND COMMUNICATIONS ROOM
HIGH TEMPERATURE

SPARE

- ## NOTES

- 1- TERMINAL BLOCKS: SECTIONAL CHANNEL MOUNTED, UL RECOGNIZED COMPONENT, UL LISTED CONTACTS, 600 VOLTS, TUBULAR SCREWS FOR # 22 THROUGH #10 AWG. CONDUCTORS.
- 2 TERMINAL BLOCKS SHALL HAVE AT LEAST 52 CIRCUITS FOR 28" CHANNEL SECTION. BLOCKS SHALL BE OF NYLON AND APPROXIMATELY 1 1/8" W. x 1 1/4" H. WITH BARRIER BETWEEN CIRCUITS. PROVIDE VINYL MARKING STRIP.
- 3 CONDUCTORS SHALL BE FORMED AND HELD IN PLACE WITH SELF-LOCKING NYLON CABLE TIES.



TERMINAL ASSIGNMENT

DAPELAND NORTH

2-12-3-4/79					
APPROVED	DATE				
<i>Charles</i>	01/11/79				
CHECKED	DATE				
<i>RR King</i>	7/25/79				
		1-12-80		ISSUED FOR DIPPING	
		4/5/80	<i>W</i>	CHANGED TERMINAL'S ASSIGNMENT TO POWER SUPPLIES. REV DESIGNATION FOR SUPPLY C&G	
APPROVED	DATE	NO.	DATE	BY	APPR.
<i>B. S. H</i>	01/11/79				
B. S. H 10762					

<h1>Dade County Transportation Improvement Program</h1>	
<p>METROPOLITAN DADE COUNTY OFFICE OF TRANSPORTATION ADMINISTRATION</p>	<p>THE KAISER TRANSIT GROUP a joint venture</p> <p>KAISER ENGINEERS SOURCES OF HENRY J. KAISER COMPANY HARRY WEISSE & ASSOCIATES LTD.</p> <p>POST, BUCKLEY, SCHNIN & CAHN SMITH AND ASSOCIATES SCHNEIDER-CORRADO</p>

THE KAISER TRANSIT GROUP a joint venture

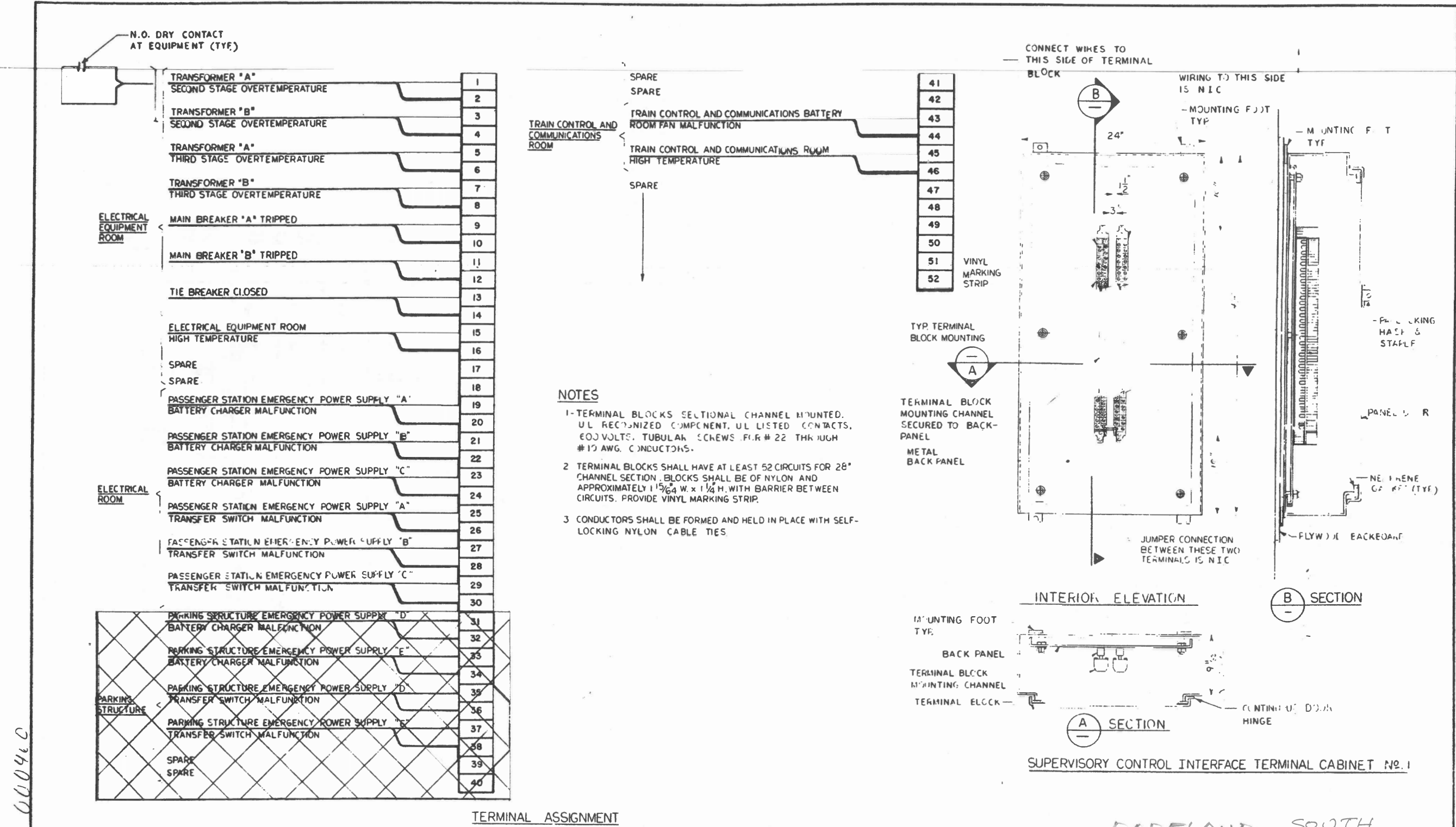
KAISER ENGINEERS
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SCHMIDTKE, CONRADINO ASSOCIATES

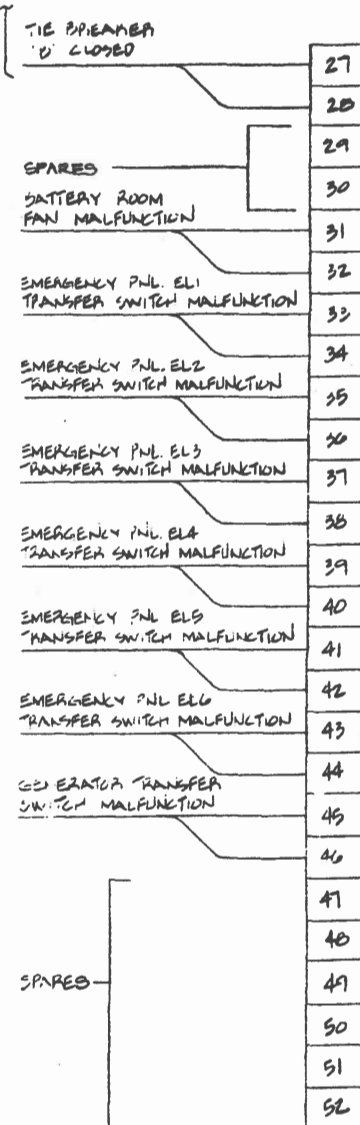
**ELECTRICAL STANDARD
SUPERVISORY CONTROL
INTERFACE TERMINAL CABINET # 1
AND TERMINAL ASSIGNMENT**

SCALE NOT TO SCALE	DRAWING EES07-B	S-426-263
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Dadeland South IO list for RFI. No. 3

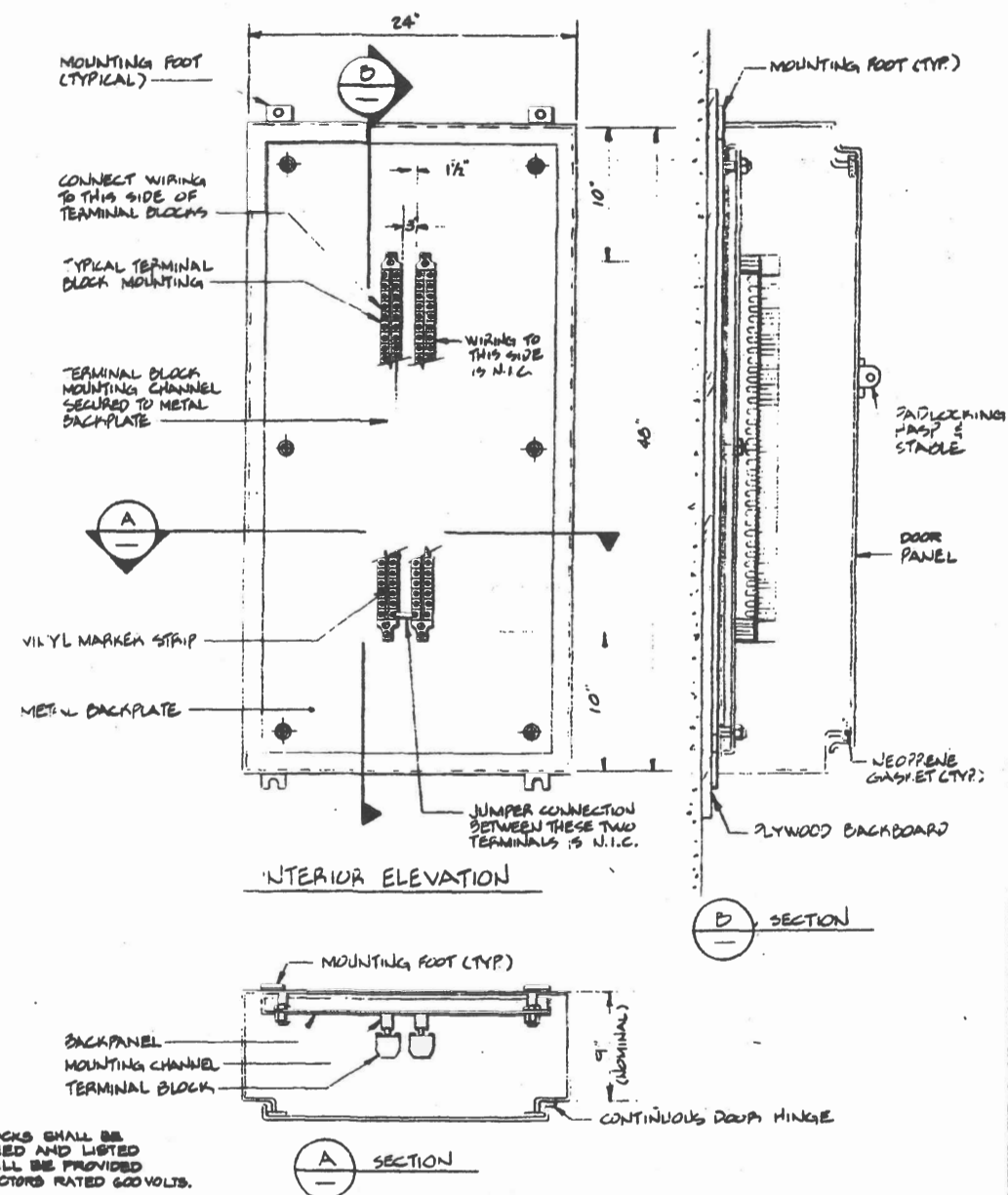


Dade County Transportation Improvement Program METROPOLITAN DADE COUNTY OFFICE OF TRANSPORTATION ADMINISTRATION		THE KAISER TRANSIT GROUP a joint venture KAISER ENGINEERS DIVISION OF HEERY & KAISER COMPANY HARRY WEESE & ASSOCIATES LTD. POST, BUCKLEY, SCHULZ & JERROLD, INC. CARR SMITH AND ASSOCIATES, INC. SCHMIDTKE-CONRADINO ASSOCIATES		ELECTRICAL STANDARD SUPERVISORY CONTROL INTERFACE TERMINAL CABINET # 1 AND TERMINAL ASSIGNMENT	
APPROVED: <i>[Signature]</i> DATE: 1/11/99 CHECKED: <i>[Signature]</i> DATE: 7/24/99	NO. 1 DATE 1/11/99 BY <i>[Signature]</i> APP. <i>[Signature]</i> REVISIONS: CHANGE TERMINAL'S ASSIGNMENT TO POWER SUPPLIES. REV. DESIGNATION FOR SUPPLY C&D	APPROVED: <i>[Signature]</i> DATE: 1-2-00	SCALE: NOT TO SCALE DRAWING: EES07-B S436-285	DADELAND SOUTH	



NOTES:

1. SECTIONAL NYLON TERMINAL BLOCKS SHALL BE CHANNEL MOUNTED. UL RECOGNISED AND LISTED CONTACTS. TUBULAR SCREENS SHALL BE PROVIDED FOR #22 THROUGH #10 AWG CONDUCTORS RATED 600 VOLTS.
2. CONDUCTORS SHALL BE FORMED AND HELD IN PLACE WITH SELF LOCKING NYLON CABLE TIES.

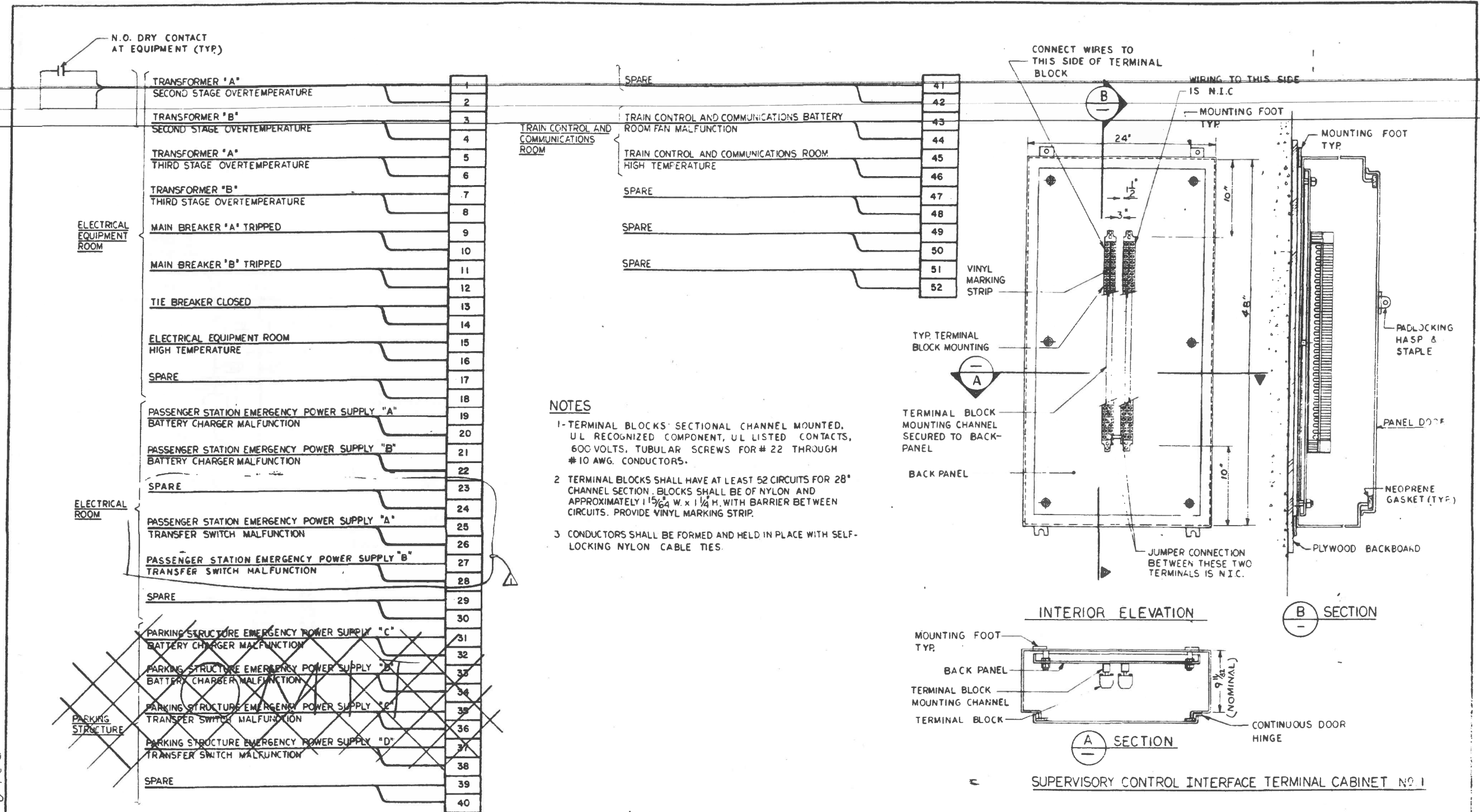


SUPERVISORY CONTROL INTERFACE TERMINAL CABINET No.1

LEHMAN CENTER

Dade County Transportation Improvement Program THE KAISER TRANSIT GROUP a joint venture THE KAISER TRANSIT GROUP a joint venture KAISER ENGINEERS DIVISION OF HENRY J. KAISER COMPANY HENRY WIEBE & ASSOCIATES LTD. POST, BUCKLEY, SCHULZ & JEROME, INC. CARR SMITH AND ASSOCIATES, INC. SCHMIDLER - CORRADEO ASSOCIATES										PALMETTO YARD OPERATIONS & MAINTENANCE FACILITIES SUPERVISORY CONTROL INTERFACE TERMINAL CABINET NO. 1																			
DESIGNED <i>P. J. ...</i> DATE <i>2/10/80</i> CHECKED <i>P. J. ...</i> DATE <i>2/10/80</i> APPROVED <i>P. J. ...</i> DATE <i>2/10/80</i>										NO. <i>5-22-80</i> ISSUED FOR BIDDING SUBMITTED <i>P. J. ...</i> DATE <i>5-22-80</i> APPROVED <i>P. J. ...</i> DATE <i>5-27-80</i>										SCALE NOT TO SCALE DRAWING EE 112 Y-241-279									

South Miami IO list for RFI No. 3

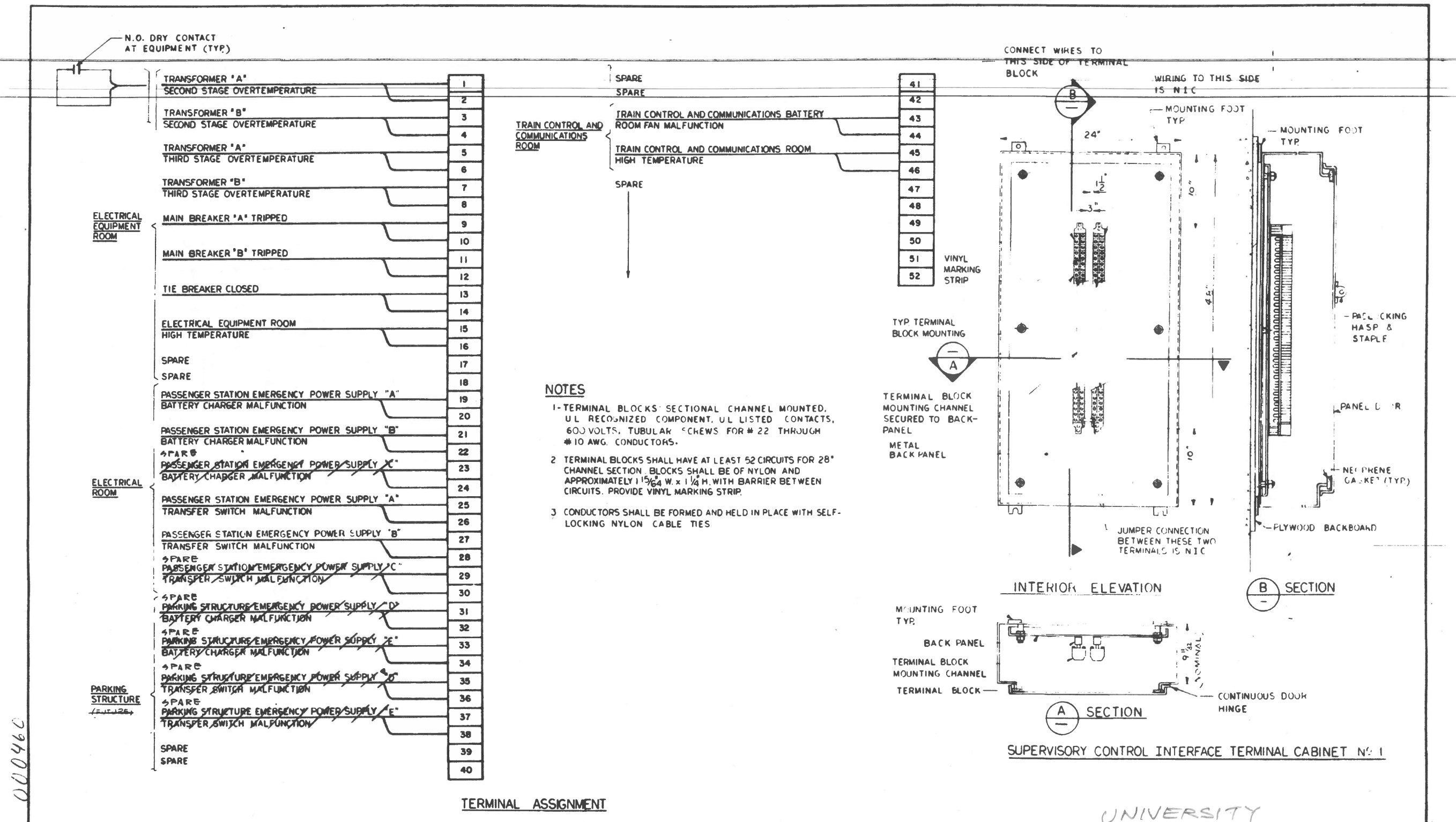


TERMINAL ASSIGNMENT

SOUTH MIAMI

Dade County Transportation Improvement Program METROPOLITAN DADE COUNTY OFFICE OF TRANSPORTATION ADMINISTRATION		THE KAISER TRANSIT GROUP a joint venture KAISER ENGINEERS DIVISION OF HENRY J. KAISER COMPANY HARRY WEESE & ASSOCIATES LTD. POST, BUCKLEY, SCHUM & JERNIGAN, INC. CARL SMITH AND ASSOCIATES, INC. SCHMIDLER, CONRADINO ASSOCIATES		ELECTRICAL STANDARD SUPERVISORY CONTROL INTERFACE TERMINAL CABINET # 1 AND TERMINAL ASSIGNMENT	
APPROVED	DATE	APPROVED	DATE	SCALE	NOT TO SCALE
6/15/79	6/15/79				
REVISIONS 1. REVISED TERMINAL NOS ON EMER. POWER SUP. 2. ISSUED FOR CONSTRUCTION 3. ISSUED FOR BIDDING		EES07 -A1 S-346A-299			

University IO list for RFI No. 3



Dade County Transportation Improvement Program METROPOLITAN DADE COUNTY OFFICE OF TRANSPORTATION ADMINISTRATION		THE KAISER TRANSIT GROUP a joint venture KAISER ENGINEERS DIVISION OF KAISER & COMPANY HARRY WEBER & ASSOCIATES LTD. POST, BUCKLEY, SCHULZ & JEROME, INC. CARL SMITH AND ASSOCIATES, INC. SCHMIDTKE - CORRADO ASSOCIATES		ELECTRICAL STANDARD SUPERVISORY CONTROL INTERFACE TERMINAL CABINET # 1 AND TERMINAL ASSIGNMENT	
APPROVED: <i>[Signature]</i> DATE: 3-28-80	APPROVED: <i>[Signature]</i> DATE: 1-2-80	SCALE: NOT TO SCALE DRAWING: EES07-B SHEET: S-356-259			