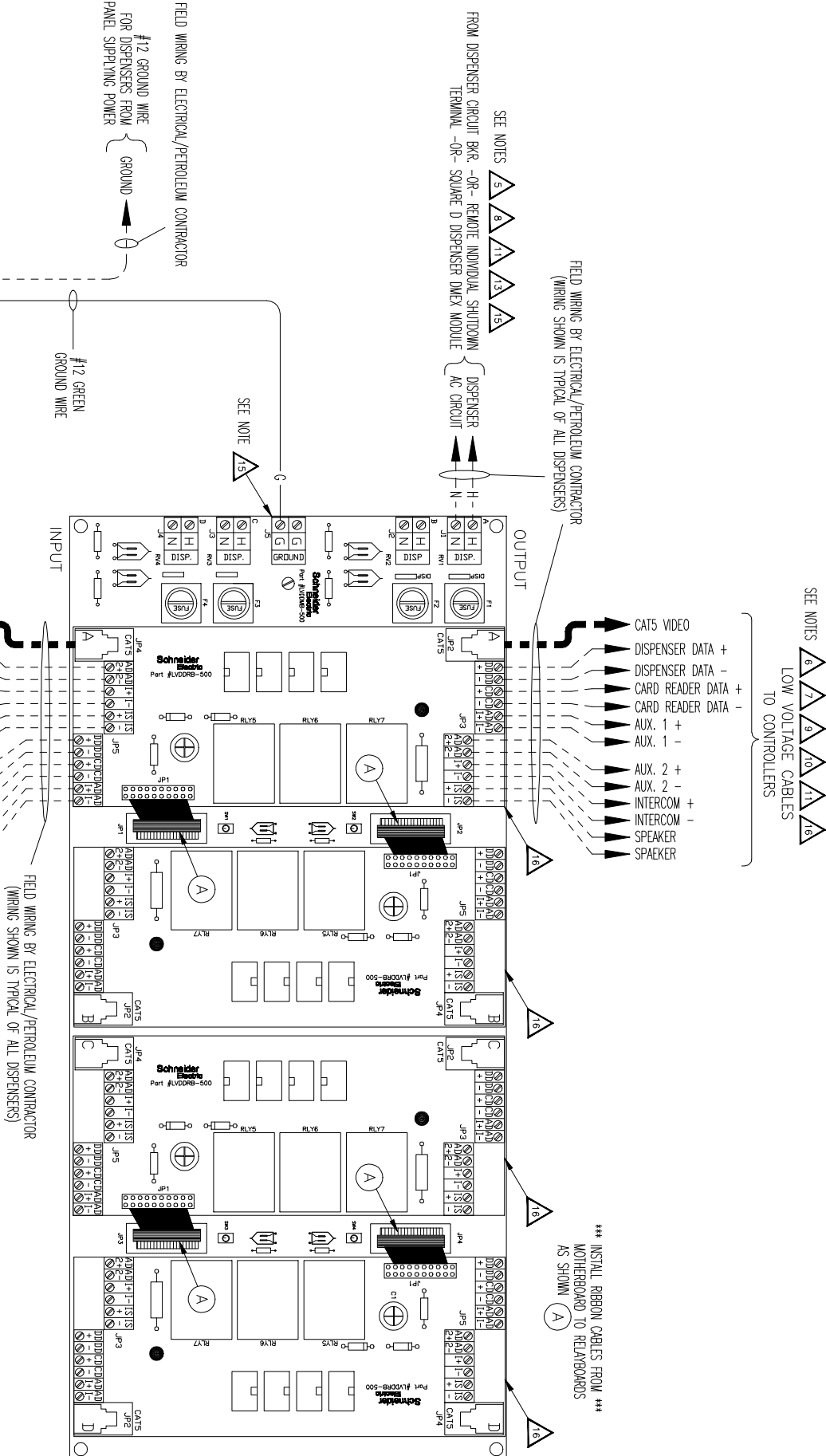


LOW VOLTAGE DISPENSER DISCONNECT LVDD-V-4 WIRING

| REV | DESCRIPTION | BY   | DATE  | - | ---  | -/-/- | - | ---  | -/-/- | --- | -/-/- |
|-----|-------------|------|-------|---|------|-------|---|------|-------|-----|-------|
| -   | ----        | ---- | -/-/- | - | ---- | -/-/- | - | ---- | -/-/- | --- | -/-/- |

LOW VOLTAGE DISPENSER DISCONNECT WIRING (VIDEO MODELS WITH (1) MOTHERBOARD)



GENERAL NOTES FOR THE LOW VOLTAGE DISPENSER DISCONNECT:

- BEFORE STARTING THE INSTALLATION PROCESS PLEASE READ ALL NOTES AND LOW VOLTAGE DISPENSER DISCONNECT INSTRUCTION BULLETIN.
- Omit
- AS SOME SYSTEMS HAVE BOOTING SEQUENCES WHEN STARTING. THE "LVDD" SHOULD BE ENERGIZED AND THEN BRING UP DEVICES ASSOCIATED WITH THE "LVDD" AS PER THEIR MANUFACTURERS INSTRUCTIONS. ALSO CAREFULLY READ LVDD INSTRUCTION BULLETIN SECTION 5 – PRE-ENERGIZING CHECKOUT PROCEDURE AND SECTION 6 – ENERGIZING THE LVDD.

- ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NFPA 70. PLEASE NOTE: DATA, VIDEO, AND INTERCOM ARE CONSIDERED CLASS 1 CIRCUITS.
- POWER WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
- DATA WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
- INTERCOM WIRES: USE WIRE RATED AT LEAST 90°C, 300V, GAS AND OIL RESISTANT CONSISTENT WITH DISPENSER MANUFACTURERS RECOMMENDATIONS.
- THE DISPENSER "AC" POWER IS FROM EITHER THE ASSOCIATED DISPENSER CIRCUIT BREAKER -OR- THE REMOTE INDIVIDUAL SHUTDOWN TERMINAL ON THE SQUARE D I-PACS DMEX FOR EACH "LVDD" MOTHER BOARD (AS SHOWN AT LEFT). ALSO CAREFULLY READ LVDD INSTRUCTION BULLETIN SECTIONS "ELECTRICAL INSTALLATION", "CABLE PULLING" AND "CABLE TERMINATIONS".
- DISPENSER "AC" (POWER) AND "DC" (DATA) TYPICALLY RUN IN SEPARATE CONDUITS, OR PER DISPENSER MANUFACTURERS REQUIREMENTS.
- THE WIRE SIZE AND NUMBER OF CONDUCTORS REQUIRED FOR COMMUNICATION/DATA (DC) WIRING MUST BE DETERMINED BY THE SPECIFICATIONS OF THE DISPENSER MANUFACTURER. TYPICALLY (2) CONDUCTORS (NORMALLY SHIELDED CABLE) ARE REQUIRED WHEN CARD READERS ARE USED IN THE DISPENSERS.
- THE DISPENSER CONTROL WIRING SHOWN ON THIS DRAWING IS FOR ONE DISPENSER, ALTHOUGH THE NUMBER OF DISPENSERS USED FOR EACH JOB MAY VARY THE WIRING SHOWN IS TYPICAL OF ALL DISPENSERS.
- ALL SOLID LINES (————) REPRESENT FACTORY WIRING.
- ALL DASHED LINES (-----) REPRESENT FIELD WIRING.
- ALL MAIN DISCONNECT & BRANCH CIRCUIT PROTECTION SHALL BE PROVIDED BY OTHERS.
- VIDEO MOTHERBOARD (PART #LVDMB-500). THE NUMBER OF MOTHERBOARDS VARIES DEPENDING ON WHICH MODEL OF LOW VOLTAGE DISPENSER DISCONNECT IS ORDERED. INCOMING POWER/CONTROL WIRING SHOWN ON THIS DRAWING IS TYPICAL OF ALL.
- VIDEO RELAYBOARD (PART #LVDRB-500). THE NUMBER OF RELAYBOARDS VARIES DEPENDING ON WHICH MODEL OF LOW VOLTAGE DISPENSER DISCONNECT IS ORDERED. CONTROL WIRING SHOWN ON THIS DRAWING IS TYPICAL OF ALL.

| MODEL NUMBERS USING THIS DWG. | OVERVIEW | DRAWING NUMBER | WIRING    | MOTHERBOARD PART # | QTY | RELAYBOARD PART # | QTY |
|-------------------------------|----------|----------------|-----------|--------------------|-----|-------------------|-----|
| LVDD-V-1                      |          |                | LVDDB-500 | 1                  |     | LVDRB-500         | 1   |
| LVDD-V-2                      |          |                | LVDDB-500 | 1                  |     | LVDRB-500         | 3   |
| LVDD-V-3                      |          |                | LVDDB-500 | 1                  |     | LVDRB-500         | 4   |
| LVDD-V-4                      |          |                | LVDDB-500 | 1                  |     | LVDRB-500         | 4   |

ORDER #: ABCDE

|                 |                                  |                        |                                    |
|-----------------|----------------------------------|------------------------|------------------------------------|
| JOB NAME:       | LOW VOLTAGE DISPENSER DISCONNECT | EQUIPMENT DESIGNATION: | LVDD-V-W1M                         |
| JOB LOCATION:   | ---                              | EQUIPMENT TYPE:        | DISPENSER CONTROLS                 |
| DRAWN BY:       | CMW                              | DRAWING TYPE:          | WIRING DIAGRAM                     |
| ENGR:           | IDT                              |                        | <b>SQUARE D</b> Schneider Electric |
| DATE:           | 07/18/2012                       |                        |                                    |
| DRAWING STATUS: | RECORD                           | DWG#                   | LVDD-V-W1M PG 2 OF 2 REV -         |