

NOTES:

- 1.) THE REMOTE POWER SUPPLY REQUIRES A DEDICATED 120 VAC 15 AMP MINIMUM CIRCUIT AND CAN BE HARD WIRED DIRECTLY TO THE CIRCUIT BY A QUALIFIED ELECTRICIAN.
- 2.) OPTIONAL "A" AND "D" DOOR ACCESS CONTROL WIRE HARNESSES (DOOR LATCHES AND EXTERNAL CARD READER) AND REX PIR HARNESSES (DOOR MOTION SENSORS) ARE ROUTED TO THE ELECTRONICS ACCESS PANEL AND EXTENDED TO REACH AN ADDITIONAL 3' OUTSIDE OF THE PORTAL STRUCTURE AND IS EXPECTED TO BE SPLICED INTO THE CONTRACTOR PROVIDED CABLES. (SEE SCHEMATICS FOR CONNECTION DETAILS).
- 3.) PORTAL ELECTRONICS HEADER IS GROUNDED INTERNALLY. ADDITIONALLY, INSTALLERS SHOULD AVOID GROUND LOOPS CREATED BY HARDWARE USED IN SECURING THE PORTAL TO EXISTING WALL STRUCTURES. FAILURE TO AVOID GROUND LOOPS COULD CREATE INTERFERENCE IN THE METAL DETECTOR OPERATION.
- 4.) ALL CABLES AND WIRES ARE PROVIDED BY ISOTEC AS SHOWN WITH THE EXCEPTION OF THE FOLLOWING:
 - A) ANY CABLES CONNECTING TO THE PROVIDED INPUTS/OUTPUTS ON THE ELECTRONICS MAIN BOARD.
 - B) DOOR CONTACTS AND FIRE ALARM CONTACTS. CONNECTORS ARE PROVIDED BY ISOTEC TO TERMINATE THE CABLES SUPPLIED BY OTHERS.
 - C) OPTIONAL CONNECTIONS FOR THE POWER SUPPLY.
 - D) VIDEO/POWER CABLES FOR CAMERA(S) PROVIDED BY OTHERS.

VIDEO CAMERA(S)

UP TO FIVE VIDEO SURVEILLANCE CAMERAS (PROVIDED BY ISOTEC OR OTHERS) CAN BE INTEGRATED INTO THE SYSTEM. INSTALLATION, INCLUDING ANY ADJUSTMENTS FOR SIGHT-PICTURE, MUST BE MADE DURING INSTALLATION. SEE SCHEMATIC FOR CONNECTIONS.



PROVIDED INPUTS / OUTPUTS (NOTE 4 A)

PROVIDED INPUTS / OUTPUTS CAN BE ACCESSED ON THE ELECTRONICS MAIN BOARD BEHIND THE ELECTRONICS ACCESS PANEL IN THE ELECTRONICS HEADER. SEE SCHEMATIC FOR CONNECTIONS.

- CARD "A" DOOR RELEASE
- CARD "B" DOOR RELEASE
- UNLOCK EXIT LANE
- ATG ALARM OUT
- SYSTEM OVERRIDE OUT
- EXIT TRAP OUT
- METAL DETECTED ALARM OUT
- "A" DOOR POSITION
- "D" DOOR POSITION

OPTIONAL CONNECTIONS (NOTE 4 C)

(SEE POWER SUPPLY DOCUMENTATION FOR DETAILS)

- AC FAIL RELAY OUTPUT
- LOW BATTERY RELAY OUTPUT

REMOTE POWER SUPPLY WITH OPTIONAL BATTERY BACKUP FOR EMERGENCY LIGHTING. (SEE NOTE A)

D
C
B
A

D
C
B
A

4

3

2

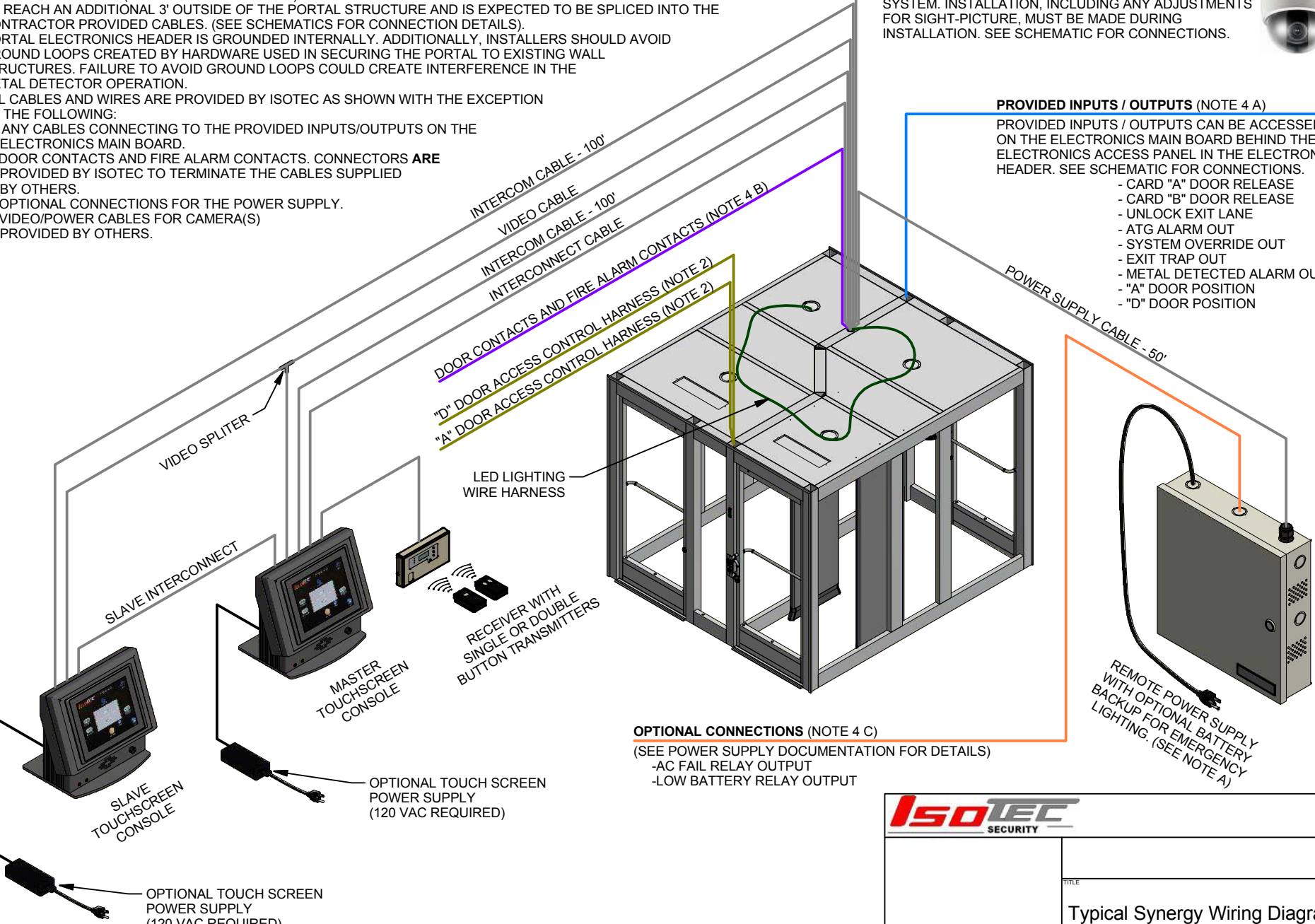
1

4

3

2

1



TITLE		A	
Typical Synergy Wiring Diagram		A	
Drawn By: DAN	SCALE	VERSION V1	SHEET 4
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