1 PLAN OVERVIEW

V100 SCALE: 1/4" = 1"

5 S10 PEDESTAL DETAILS

V100 SCALE: NONE

EVOLVE S10 ANTENNA

AISLE WIDTH:

- THE S10 SYSTEM IS DESIGNED TO BE INSTALLED ON A STANDARD **72"** DOOR OPENING.

ANTENNA PLACEMENT / MOUNTING

- THE S10 ANTENNA IS MOUNTED TO THE DOOR FRAME OR WALL ON EITHER SIDE OF THE DOOR OPENING.
- THE S10 ANTENNA IS TYPICALLY PLACED **4"** ABOVE THE FINISHED FLOOR.

MOUNTING SURFACES

- **METAL DOOR FRAME:** STANDARD BACKPLATE
- **WOOD / DRY-WALL:** STANDARD BACKPLATE

WIRING (GENERAL)

- WIRING MUST BE ROUTED FROM EACH S10 ANTENNA TO THE ELECTRONICS ENCLOSURE (EE).
  - *THE CUSTOMER IS TYPICALLY RESPONSIBLE FOR INSTALLING CONDUIT, AND PROVIDING PULL-STRINGS*
  - *WIRING IS PROVIDED BY, AND INSTALLED BY CHECKPOINT.*

WIRE ROUTING

- CONCEALED (BACK ENTRY)
  - WIRING CAN BE CONCEALED IN THE WALL OR MULLION ON WHICH THE S10 ANTENNA IS MOUNTED.
  - FOR AN S10 ANTENNA *(INSTALLED AT **4"** ABOVE THE FLOOR)*, A **1"** DIAMETER HOLE IS REQUIRED AT **54"** ABOVE THE FINISHED FLOOR
- EXTERNAL (TOP ENTRY)
  - THE S10 ANTENNA WILL ACCEPT WIRING INTO THE TOP OF THE ANTENNA WHEN NECESSARY.
  - USE WIREMOLD (MODEL: NM2000) TO CARRY WIRE FROM THE CEILING, DOWN THE WALL / MULLION AND INTO THE TOP OF THE S10 ANTENNA.
- EXTERNAL (BOTTOM ENTRY)
  - THE S10 ANTENNA WILL ACCEPT WIRING INTO THE BOTTOM OF THE ANTENNA WHEN NECESSARY.
  - USE A FLOOR TRENCH (**0.5"** WIDE X **1.5"** DEEP) OR 1500 / 2600 SERIES WIREMOLD TO ROUTE WIRE TO THE ANTENNA LOCATIONS.
  - USE WIREMOLD (MODEL: NM2000) TO ROUTE WIRING FROM THE FLOOR LEVEL TO THE UNDERSIDE OF THE ANTENNA (TYPICALLY A **4"** SPAN).

ELECTRONICS ENCLOSURE (EE) AND POWER SUPPLY

REQUIREMENTS:

- THE EE UNIT MUST NOT BE FURTHER THAN **30'** (LINEAR DISTANCE) FROM THE FURTHEST ANTENNA, AND MUST NOT BE CLOSER THAN **5'** TO THE NEAREST ANTENNA.
- THE EE UNIT CAN BE MOUNTED TO WOOD, DRYWALL, OR CONCRETE, ABOVE THE CEILING, OR AT THE GROUND LEVEL.

POWER REQUIREMENTS:

- THE EE UNIT REQUIRES ONE (1) +24VDC POWER SUPPLY PER EE UNIT (POWERS UP TO TWO (2) S10 ANTENNAS).

POWER OUTLET:

- ONE (1) POWER SUPPLY REQUIRES ONE (1) 115VAC SOCKET.
- THE OUTLET DOES NOT NEED TO BE AN ISOLATED CIRCUIT.

4 POWER SUPPLY DETAILS

V100 SCALE: NONE

2 EAS EQUIPMENT DETAIL (FRONT)

V100 SCALE: 1/4" = 1"

3 ELEVATION DETAILS (FRONT)

V100 SCALE: 1/4" = 1"

Approved for Code Compliance
Fire Marshal Division
Date: 09/22/14

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CHECKPOINT EAS DETAILS

SHEET NO :

V100