EMN90-CHX
9.0 inch ELITE PI® Standard

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The MICRO COMM® Elite PI® Standard is the entry level platform for a property looking for something more than just a typical position indicator. With a full 256 color TFT screen, the Elite PI® Standard can be customized with your properties logo or an image of the building. This position indicator is capable of relaying information to passengers regarding the elevators current position and direction, arrival arrows, along with priority messages from the controller. It's also designed to be a destination type display showing floors served when in destination mode. These units also have a non-movement selectable time blanking to help preserve backlight life. The Elite PI® Standard doesn't support custom customer messages; for custom content management on the display, choose the Elite PI® PRO product line.

TYPICAL APPLICATIONS:
> Car Operating Panel
> Car Transom
> Lobby/Arrival
> Destination Display

FEATURES:
> Passing Chime Output
> Self Testing
> Low Voltage
> Backlight Saver Function / Default on 30 minutes
> USB Updatable
> MicroComm input

C.E. Electronics, Inc. (US) 2107 Industrial Drive, Bryan, Ohio 43506 p: 419.636.6705 www.ceelectronics.com

C.E. Electronics, Ltd. (UK) P.O. Box 1679 Marlow, Bucks SL7 3ZG, UK p: +44 (0) 1628 487633 www.ceelectronics.co.uk

EMN90-CHX

Ver. 3 Rel. 09/12/2024

ELITE PI ®
Standard

VERTICAL

CLEARANCE FOR ELECTRONICS

2.500

10.125

6.250

HORIZONTAL

CLEARANCE FOR ELECTRONICS

2.500

6.250

10.125

9.0 Inch Elite PI® Standard

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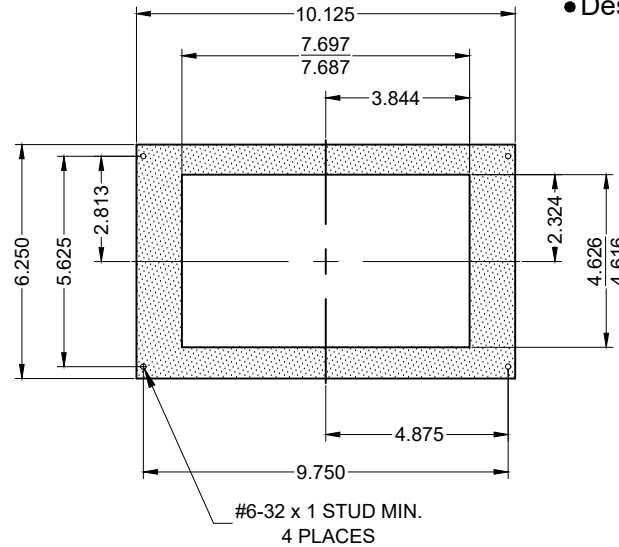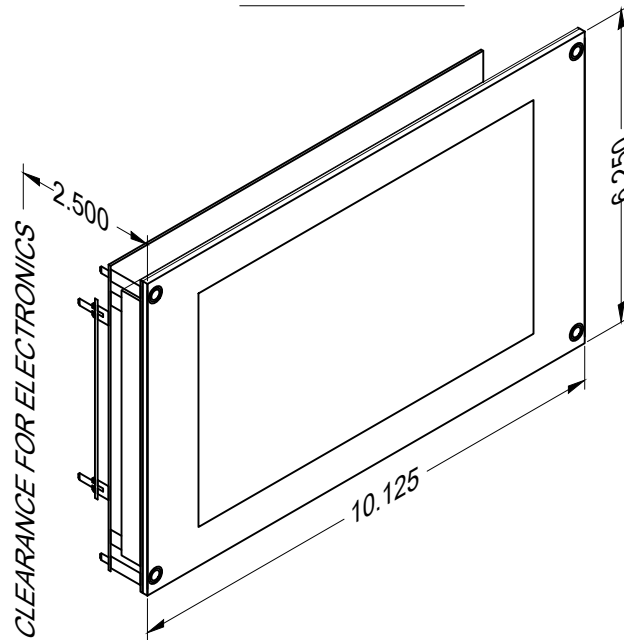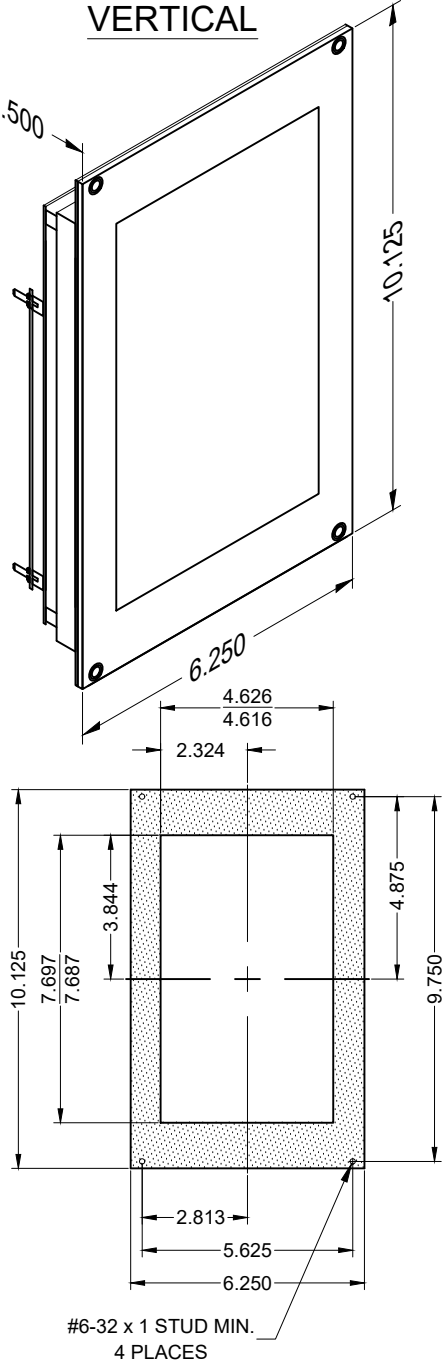
Typical Applications
- Car operating panel
- Car transom
- Lobby/arrival
- Destination Display

Features:
- Passing chime output
- Self testing
- Low voltage
- Backlight saver function / default on 30 min.
- USB Updatable
- MICRO COMM® input

PANEL PREP (Vertical)

4.626
4.616
2.324
3.844
4.875
10.125
7.697
7.687
9.750
2.813
5.625
6.250

#6-32 x 1 STUD MIN.
4 PLACES

PANEL PREP (Horizontal)

10.125
7.697
7.687
3.844
6.250
5.625
2.813
2.324
4.626
4.616
4.875
9.750

#6-32 x 1 STUD MIN.
4 PLACES

TO ORDER: - EMN90 - CHX

"H" = HORIZONTAL (Landscape)
"V" = VERTICAL (Portrait)

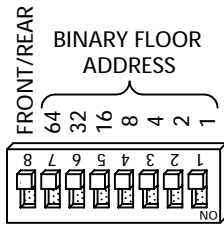| HORIZONTAL RELATED DRAWINGS	
DESCRIPTION	DRAWING NAME
PANEL PREP.	PP90-5
DETAIL DIM.	DD90-5
VERTICAL RELATED DRAWINGS	
DESCRIPTION	DRAWING NAME
PANEL PREP.	PP90-6
DETAIL DIM.	DD90-6

~ Some features may not be available for your system. Please check with your manufacture or engineering for special features. ~
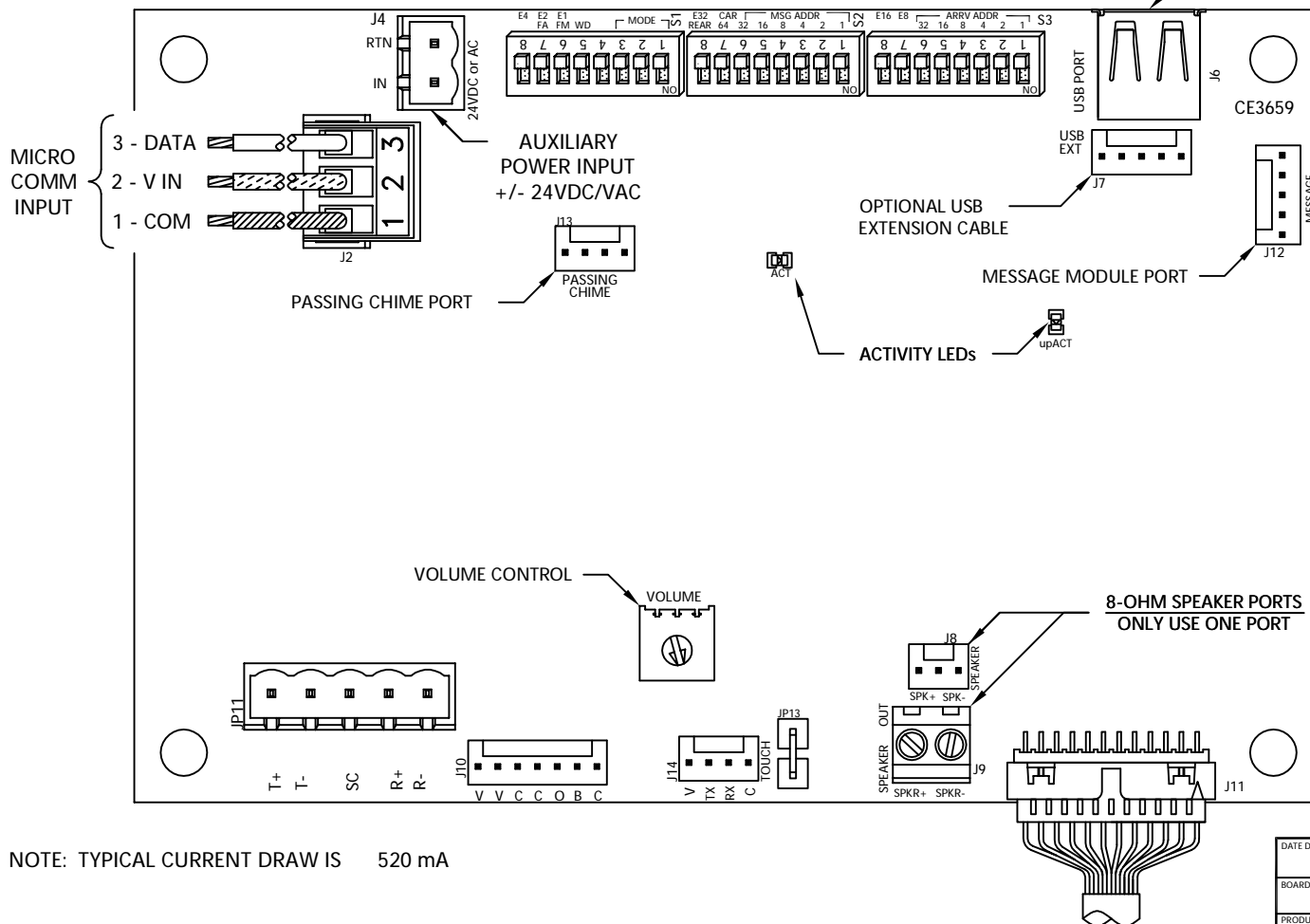
EMN90

JOB# _____
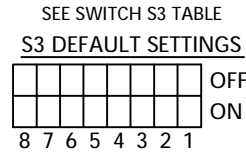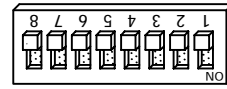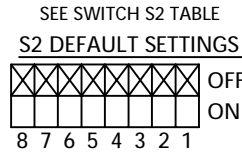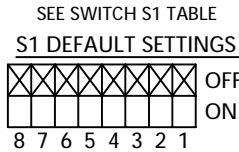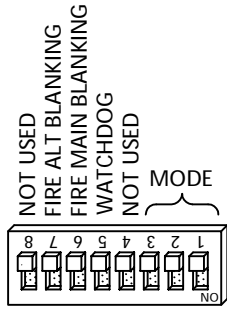
CE3659 ___

ARM CODE VERSION _____   MINI CODE VERSION _____

DESIGN VERSION _____

AUDIO VERSION _____

CRCG _____   OCDL CRC _____

CRCA _____   ODAA CRC _____

S1 (NOT USED / FIRE ALT BLANKING / FIRE MAIN BLANKING / WATCHDOG / NOT USED / MODE)

SEE SWITCH S1 TABLE
S1 DEFAULT SETTINGS — OFF / ON
8 7 6 5 4 3 2 1

S2 (FRONT/REAR / BINARY FLOOR ADDRESS 64 32 16 8 4 2 1)

SEE SWITCH S2 TABLE
S2 DEFAULT SETTINGS — OFF / ON
8 7 6 5 4 3 2 1

S3

SEE SWITCH S3 TABLE
S3 DEFAULT SETTINGS — OFF / ON
8 7 6 5 4 3 2 1

USB PORT FOR PROGRAM UPDATES

J4 — RTN / IN — 24VDC or AC

S1: E4 E2 E1 / FA FM WD — MODE (8 7 6 5 4 3 2 1 / NO)
S2: E32 CAR / REAR 64 32 — MSG ADDR 16 8 4 2 1 (8 7 6 5 4 3 2 1 / NO)
S3: E16 E8 / 32 16 — ARRV ADDR 8 4 2 1 (8 7 6 5 4 3 2 1 / NO)

USB PORT — J6 — CE3659
USB EXT — J7

MICRO COMM INPUT
3 - DATA
2 - V IN
1 - COM
J2

AUXILIARY POWER INPUT +/- 24VDC/VAC

OPTIONAL USB EXTENSION CABLE

MESSAGE MODULE PORT — J12 — MESSAGE

PASSING CHIME PORT — J13 — PASSING CHIME

ACT — ACTIVITY LEDs — upACT

VOLUME CONTROL — VOLUME

8-OHM SPEAKER PORTS ONLY USE ONE PORT

JP11

J8 — SPEAKER — SPK+ SPK-
J9 — SPEAKER OUT — SPKR+ SPKR-

T+ T- SC R+ R-
J10 — V V C C O B C
J14 — V TX RX C TOUCH — JP13

J11

NOTE: TYPICAL CURRENT DRAW IS 520 mA

SWITCH S1

DS1	DS2	DS3	S1 MODE FUNCTIONS
OFF	OFF	OFF	NORMAL OPERATION
ON	OFF	OFF	DISPLAY TEST MODE
ON	ON	OFF	AUDIO / UNIT TEST MODE

SWITCH S2 - ARRIVAL ARROWS
DS1 - DS7 set the unit's floor number.

DS7 (64)	DS6 (32)	DS5 (16)	DS4 (8)	DS3 (4)	DS2 (2)	DS1 (1)	FLOOR NUMBER
OFF	OFF	OFF	OFF	OFF	OFF	OFF	CAR UNIT*
OFF	OFF	OFF	OFF	OFF	OFF	ON	FLOOR 1
OFF	OFF	OFF	OFF	OFF	ON	OFF	FLOOR 2
OFF	OFF	OFF	OFF	OFF	ON	ON	FLOOR 3
OFF	OFF	OFF	OFF	ON	OFF	OFF	FLOOR 4
OFF	OFF	OFF	OFF	ON	OFF	ON	FLOOR 5
ON	ON	ON	ON	ON	OFF	ON	FLOOR 125
ON	ON	ON	ON	ON	ON	OFF	FLOOR 126
ON	ON	ON	ON	ON	ON	ON	IN-CAR UNIT**

DIP switch S2 - Switch 8 sets the unit as front or rear.
DS8 OFF - Front Unit   DS8 ON - Rear Unit

* CAR UNIT - Unit uses the Hall Arrival Lantern Signals for the current floor.

** IN-CAR UNIT - Unit uses the In-Car Arrow signals.
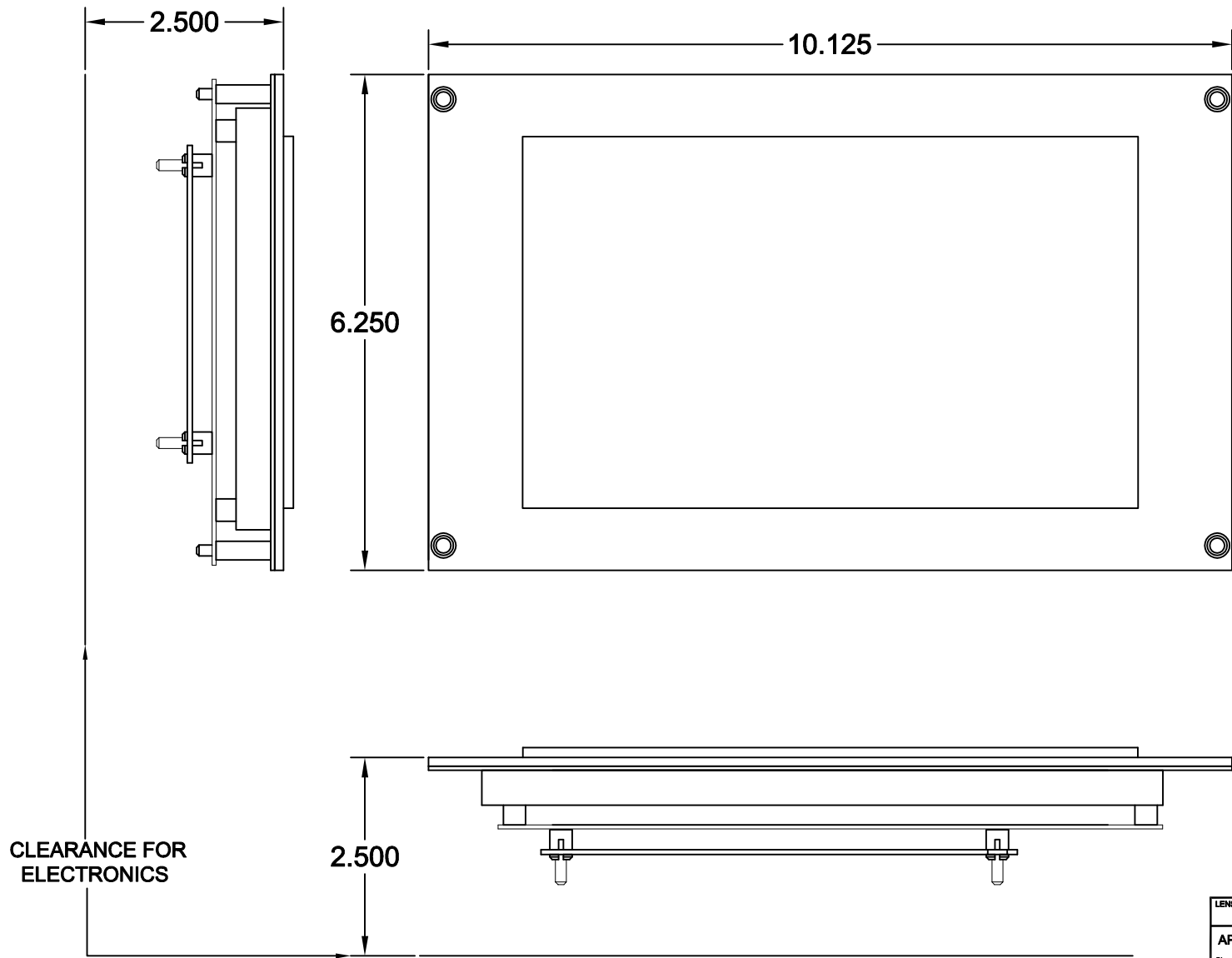
SWITCH S3

DS8	DS7	DS6	DS5	DS4	DS3	DS2	DS1	FUNCTION
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	NORMAL OPERATION
ON	ON	ON	ON	ON	ON	ON	ON	MULTI-CAR OPERATION

DATE DRAWN: 06/02/15	DRAWN BY: DAC	REQUESTED BY: TE	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 3659	LAST DATE REVISED: 10/24/17	APPROVED BY:	
PRODUCT: EMN90 MAX SERIES TFT DISPLAY		DWG. NO. EMNMAX_02	REV: A

DD90-5

Ver. 1 Rel. 4/13/2015

2.500

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6.250

2.500

CLEARANCE FOR
ELECTRONICS
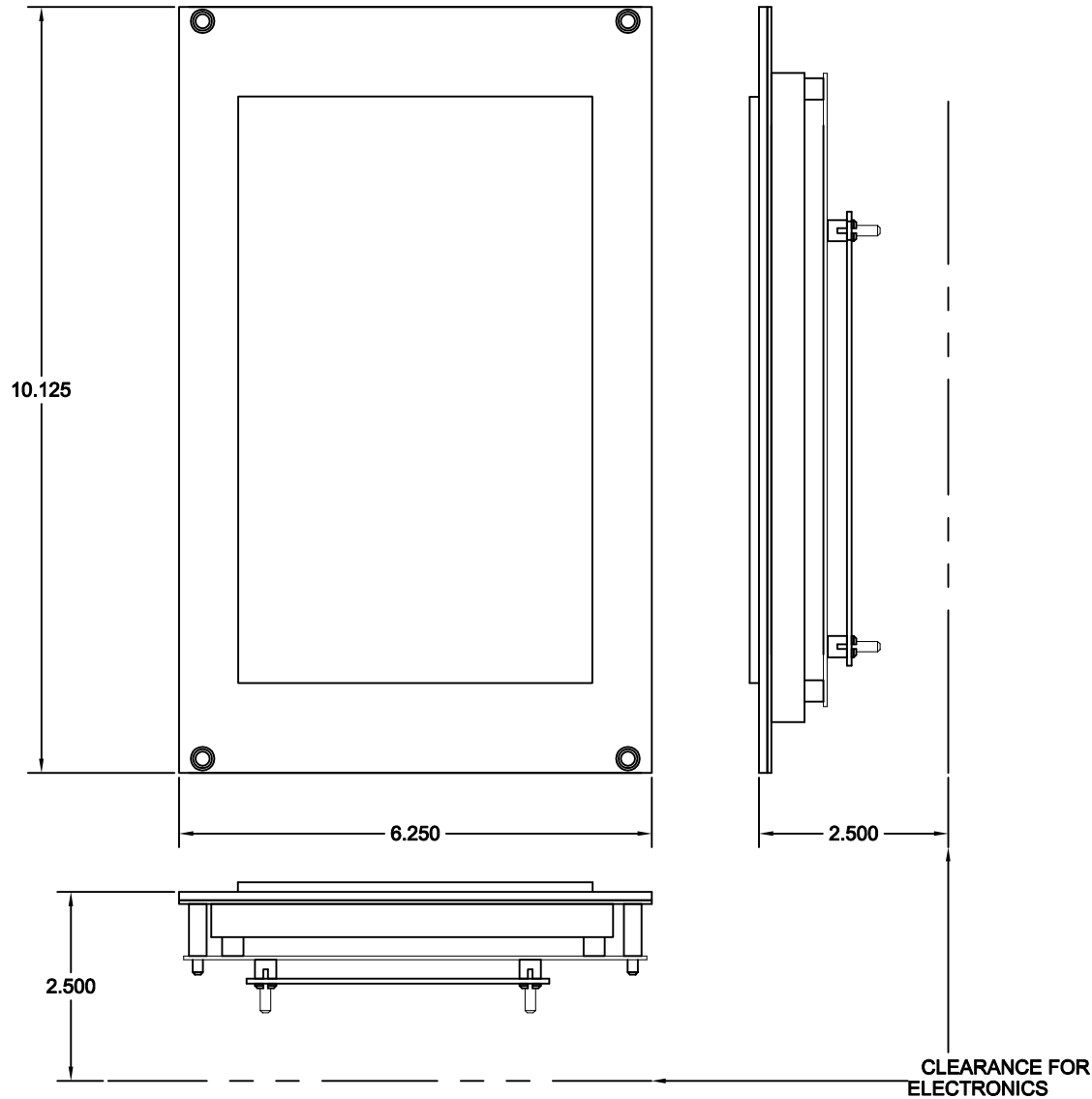
APPROVED BY:

Signature: _____

Date: _____

Company: _____

DD90-6

Ver. 1 Rel. 4/13/2015

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CLEARANCE FOR ELECTRONICS

PP90-5

Ver. 1   Rel. 4/17/2015

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#6-32 x 1 STUD MIN.
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GRAY AREA INDICATES
HARDWARE SPACE
AROUND UNIT

PP90-6

Ver. 1   Rel. 4/17/2015

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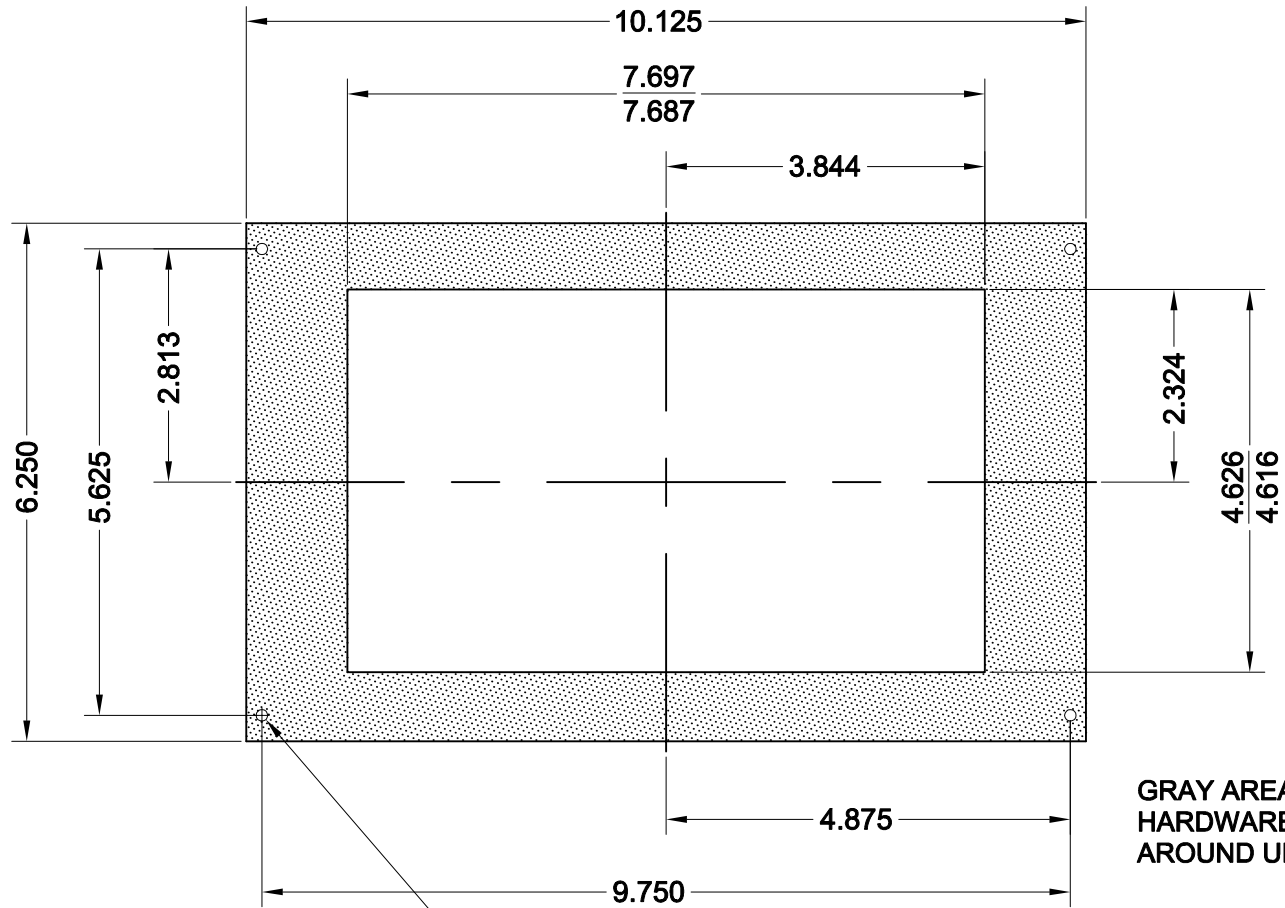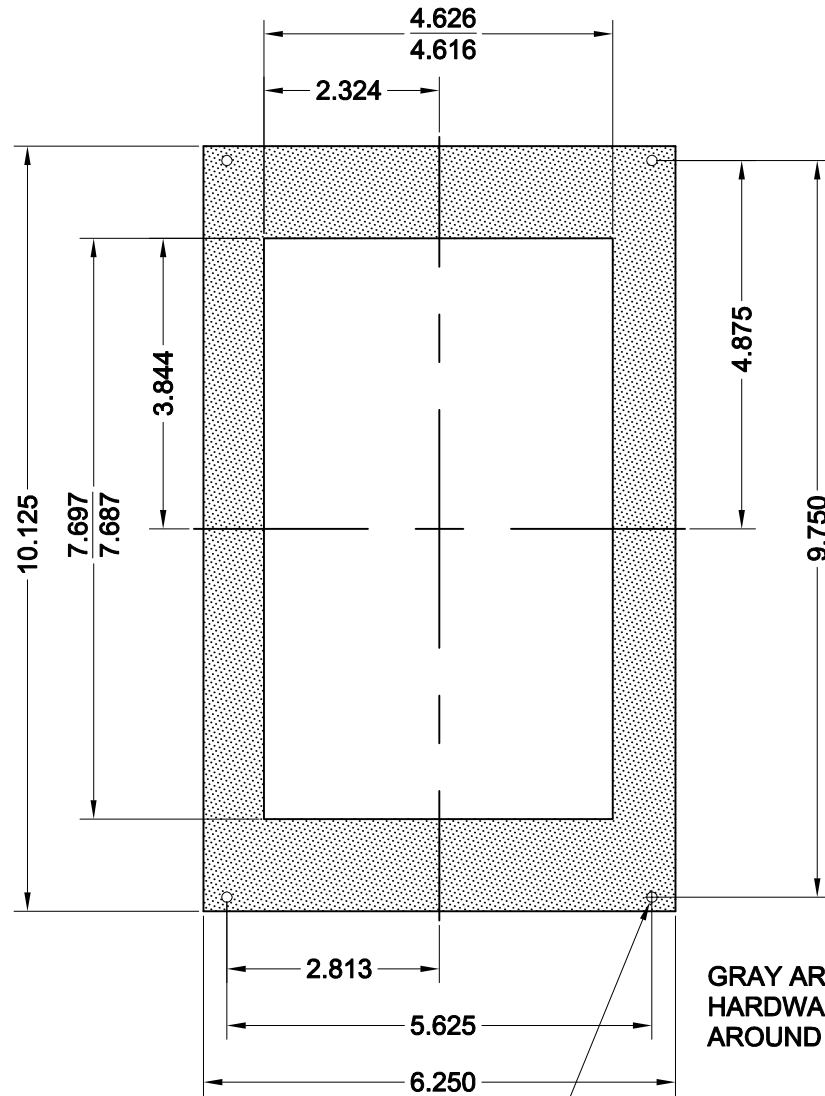
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#6-32 x 1 STUD MIN.
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