

PNEUMATIC RETRACTABLE CEILING COLUMN APPROVAL BOOKLET



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PRODUCT DESCRIPTION

The pneumatic retractable ceiling column shall be an Amico Alert-1 series.

The pneumatic retractable ceiling column shall be of the pneumatic operated type. The column shall consist of an upper section for rigid mounting at the ceiling level and a telescopic lower section capable of being extended to a maximum of 18 inches.

The lower section of the column is activated by an air cylinder mounted into the internal shell of the column. With the aid of a wall switch or with a head mounted switch, the column can be raised or lowered to any desired position. With the aid of an internal tracking system, the movement of the telescoping portion will glide freely up or down.

The upper and lower section shrouds are made of 16 gauge stainless steel with a # 4 satin finish and are complete with: Removable access panel, stainless steel ceiling collar and a heavy gauge steel mounting plate, equipped with hose assemblies (gas specific) within the internal shell of the column and brazed type outlets for all medical gas connections above the ceiling line.

All electrical and medical gas services are provided to the face of the lower section by means of flexible hoses and conduits. All threaded connections comply with NFPA, CGA and DISS recommendations preventing interchanging of connections. All services are pre-assembled and factory tested. Standard dimensions are 13-9/16" X 13-9/16" for the upper section and 12" X 12" for the lower section.

CLEANING

The Amico Outlets are factory cleaned for oxygen service. Exposed surfaces of the outlet may be cleaned with a mild detergent solution or wiped with a disinfectant commonly used in patient rooms that is compatible with plastics, anodized aluminium and die cast zinc.

INSPECTION AND TESTING

Medical Gas Outlets should be inspected periodically or at least once a year. The test should be in accordance with NFPA 99-93 "*Gas and Vacuum systems*", or CSA Z305.1-92 "*Nonflammable Medical Gas Piping System*".

Test for leaks: Ensure that no leaks exist, with or without the adapter inserted.

Test for Indexing: Only a mating gas specific adapter should insert smoothly into the outlet, latch and be retained.

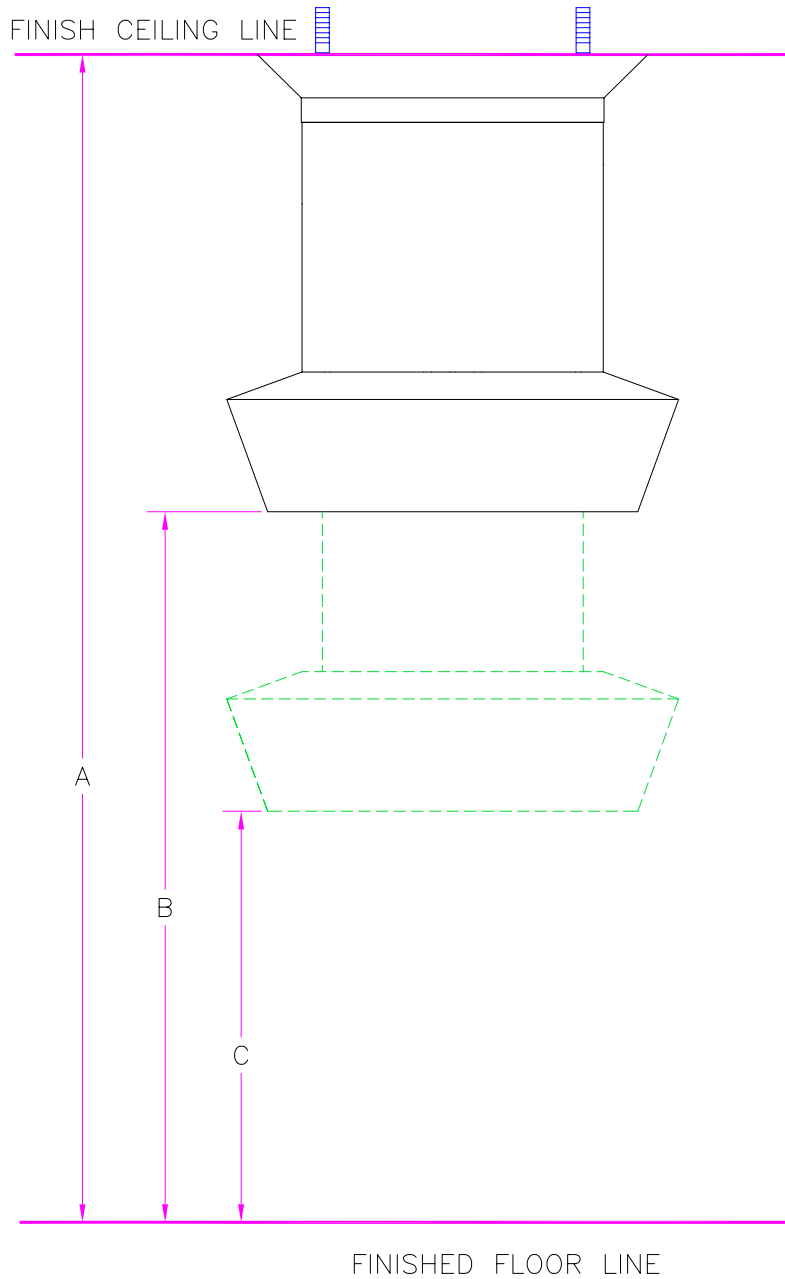
Test for Flow:

- Gas Outlets: 120 l/min (4.2 scfm) @ 345 kPa (50 psi), maximum allowable pressure drop is 28 kPa (4 psi).
- Nitrogen Outlet: 400 l/min (14.1 scfm) @ 1,250 kPa (180 psi), maximum allowable pressure drop is 70 kPa (10 psi).
- Vacuum Outlet: 30 l/min (1.1 scfm) @ 54 kPa (16 inHg), maximum allowable pressure drop is 13 kPa (4 inHg).

Refer to the appropriate standards for the proper way of performing the flow test.

Note: The Amico medical gas and vacuum outlets meet and exceed these requirements at the time of manufacture. However piping source capacity, sizing and restrictions may prevent outlets from attaining these values.

PNEUMATIC RETRACTABLE CEILING COLUMN ELEVATION VIEW



PLEASE PROVIDE THE FOLLOWING INFORMATION:

A=
B=
C=

APPROVAL SIGNATURE

DATE

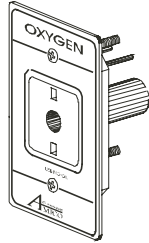
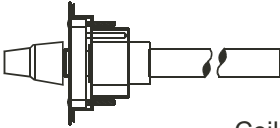
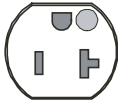
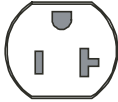
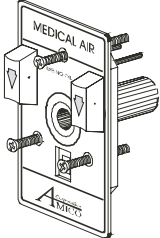
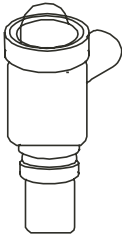

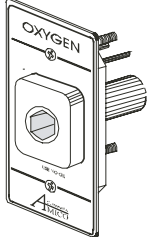
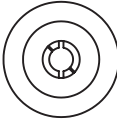
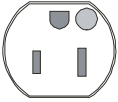
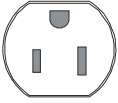
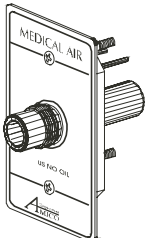
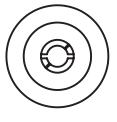
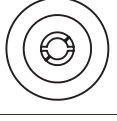
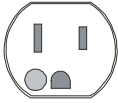
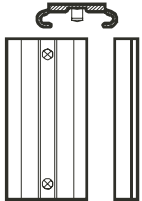
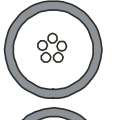
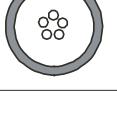
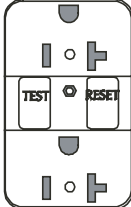
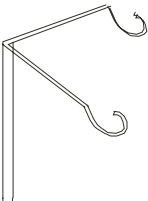
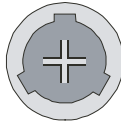
PHONE NO.

AMICO Corporation
85 Fulton Way
Richmond Hill, Ontario
L4B 2N4, CANADA
Tel: (905) 764-0800
Fax: (905) 764-0862
www.amico.com

HOSPITAL	
LOCATION	
DRAWING NO:	

MODEL:	PNEUMATIC RETRACTABLE CEILING COLUMN
DESCRIPTION:	ELEVATION VIEW
REVISION NUMBER:	____ DATE: _____

Optional Accessory Chart

 <p>*QD XXX</p> <p>Ohmeda / Medaetes Compatible</p>	 <p>PE</p> <p>Ceiling Column Passive Evacuation (19mm/33mm)</p>	  <p>E9-RED E10-IVO.</p> <p>Duplex Receptacle 8300-HG 125V/20a (US / International)</p>
 <p>CH XXX</p> <p>Chemetron Compatible</p>	 <p>IMP</p> <p>Passive Evacuation with Impedance Valve (19mm/22mm) (Side Mount Only)</p>	 <p>E11-RED E12-IVO.</p> <p>Single Receptacle 8310-HG 125V/20a (US / International)</p>
 <p>PB XXX</p> <p>Puritan-Bennett Compatible</p>	 <p>GJ</p> <p>Ground Jack Receptacle Single Hampden (SLR-3) GREEN</p>	  <p>E5-RED E6-IVO.</p> <p>Duplex Receptacle 8200-HG 125V/15a (US / International)</p>
 <p>*DI XXX</p> <p>DISS</p>	  <p>GJ2</p> <p>Ground Jack Receptacle Dual Hampden (SLR-3) GREEN</p>	 <p>E7-RED E8-IVO.</p> <p>Single Receptacle 8210-HG 125V/15a (US / International)</p>
 <p>SL</p> <p>Vacuum Bottle Slide</p>	  <p>MJ</p> <p>Monitor Jack Duplex (5-pin shown)</p>	 <p>E13-RED E14-IVO. E13C-RED E14C-IVO.</p> <p>Ground Fault Circuit Interrupter (C = Canadian)</p>
 <p>IV</p> <p>Stainless Steel IV Hook (Duplex only)</p>	<p>DJ</p> <p>Data - Telephone Communication Jack (Provision only)</p>	 <p>TL</p> <p>Twist-Lock Receptacle Hubbell 23000-HG 125V/20a</p>

All electrical devices are HUBBELL brand

*Note: Carbon Dioxide outlets are only available in DISS and Ohmeda.
Nitrogen outlets are only available in DISS.

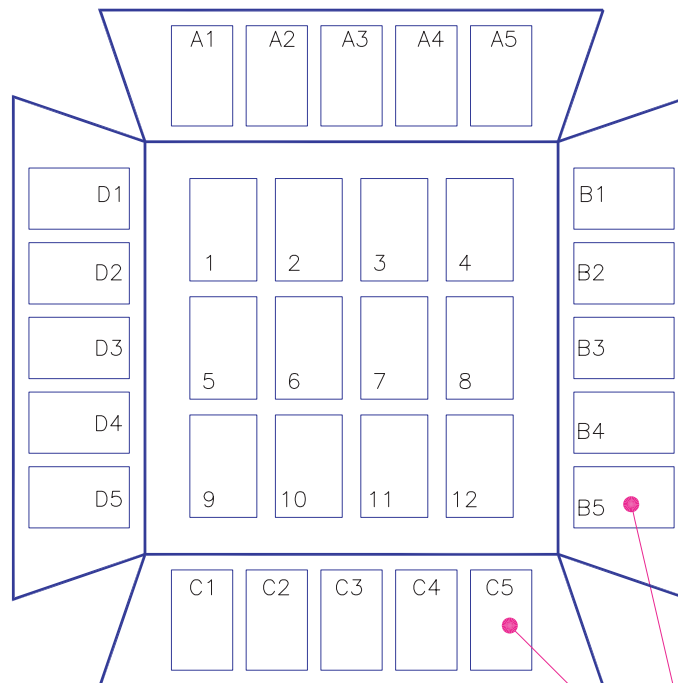
BOTTOM VIEW OF PNEUMATIC RETRACTABLE NOSE

By choosing accessories from the Optional Accessories Chart, list the desired product code (located in the top right corner) into the designated blank spaces below. Leave the appropriate space blank if a service is not required.

Is a Remote Wall Switch required?

Yes
No

ACCESS PANEL ON THIS SIDE



*BOTTOM VIEW
LOOKING UP*

"SEE NOTE NO. 1"

NOTE:

TWO ELECTRICAL/COMMUNICATION DEVICES OR GASES CANNOT BE PLACED TOGETHER AT ANY CORNER.

*PLEASE FILL OUT THE OPTIONAL DEVICES THAT YOU REQUIRE FOR YOUR APPLICATION.
(SPECIFY BY USING THE SYMBOLS ON PAGE 6 OF THIS APPROVAL BOOKLET)*

APPROVAL SIGNATURE

DATE

PHONE NO.

AMICO Corporation
85 Fulton Way
Richmond Hill, Ontario
L4B 2N4, CANADA
Tel: (905) 764-0800
Fax: (905) 764-0862
www.amico.com

HOSPITAL

LOCATION

DRAWING NO:

MODEL:

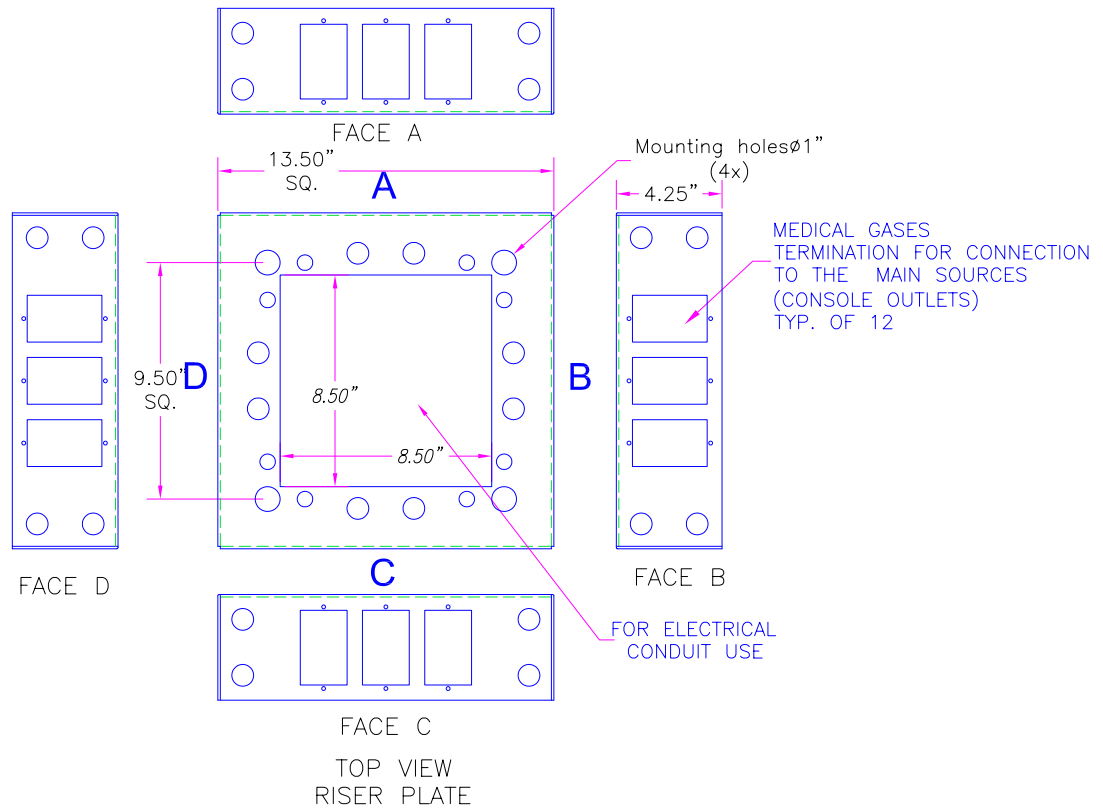
PNEUMATIC RETRACTABLE CEILING COLUMN

DESCRIPTION:

BOTTOM VIEW

REVISION NUMBER: _____ DATE: _____

PNEUMATIC RETRACTABLE CEILING COLUMN MOUNTING PLATE TO OUTLET DETAIL



NOTE:

1. RISER PLATE IS COMPLETED WITH DISS CONSOLE OUTLETS, TYPICAL FOR EACH GAS.
2. PIPE STUBS DIAMETERS ARE 3/8" FOR ALL GASES.
3. EXACT LOCATIONS OF GAS TERMINATIONS ON MOUNTING PLATE WILL BE DETERMINED AFTER RECEIVING THIS BOOKLET. AMICO WILL FOLLOW ASAP WITH A COMPLETE "MOUNTING PLATE TO OUTLET DETAIL" DIAGRAM, SHOWING EXACT LOCATIONS FOR GAS TERMINATIONS.

APPROVAL SIGNATURE _____

DATE _____

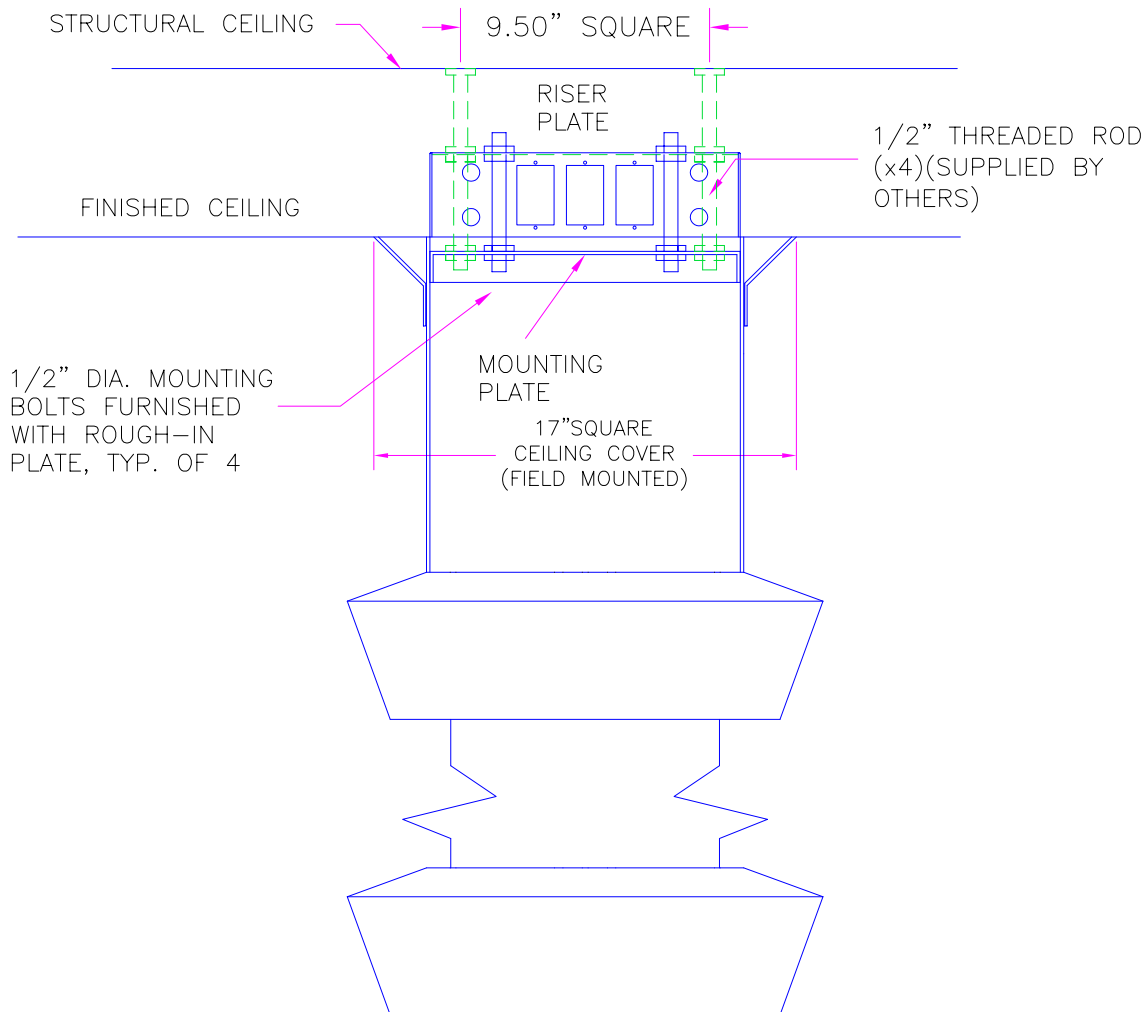
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HOSPITAL	
LOCATION	
DRAWING NO:	

MODEL:	PNEUMATIC RETRACTABLE CEILING COLUMN
DESCRIPTION:	MOUNTING PLATE TO OUTLET DETAIL
REVISION NUMBER:_____ DATE:_____	

PNEUMATIC RETRACTABLE CEILING COLUMN MOUNTING INFORMATION



NOTES

1. 1/2" Support rods located for total support of fixture (minimum 400lb. load), all labor and materials for support fabrication including nuts and washers for installation supplied by General Contractor.
2. General Contractor has final responsibility for the strength and stability of the mounting structure.
3. Mounting structure and all hardware necessary supplied by General Contractor.

APPROVAL SIGNATURE _____

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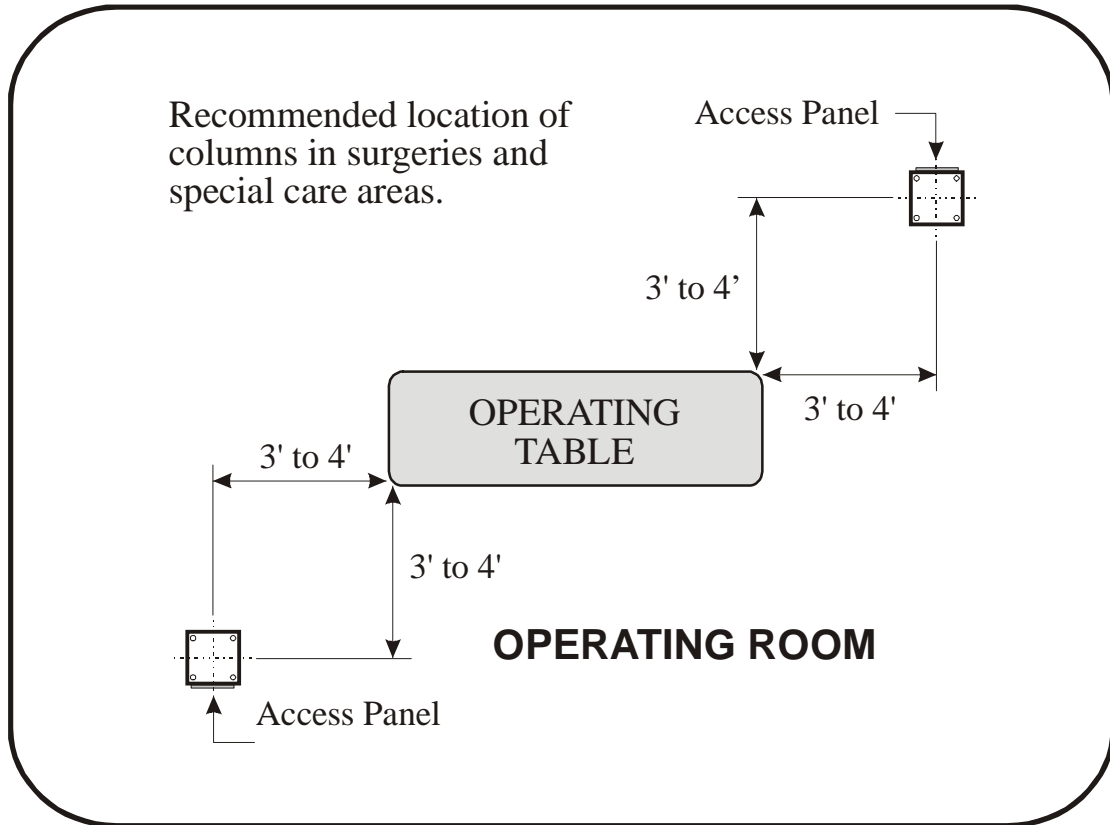
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DESCRIPTION:

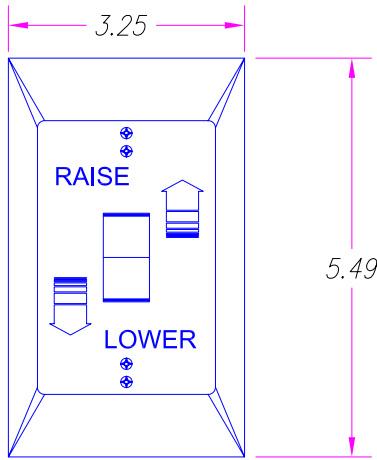
MOUNTING INFORMATION

REVISION NUMBER: _____ DATE: _____

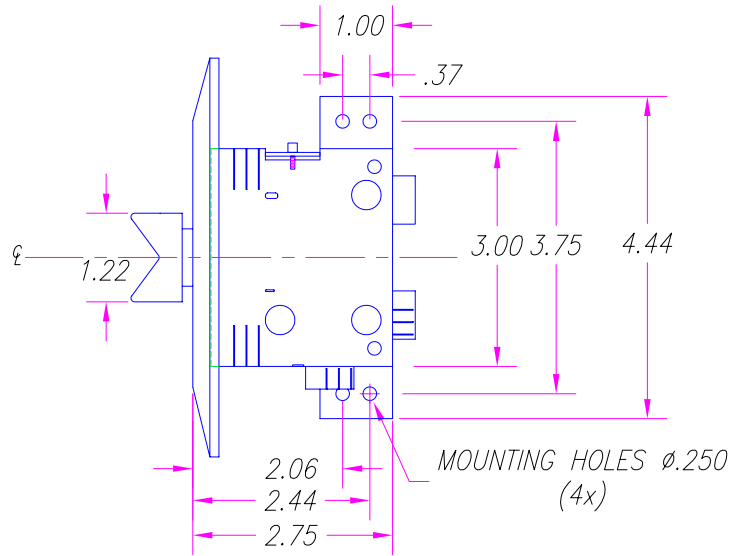
Typical Location View



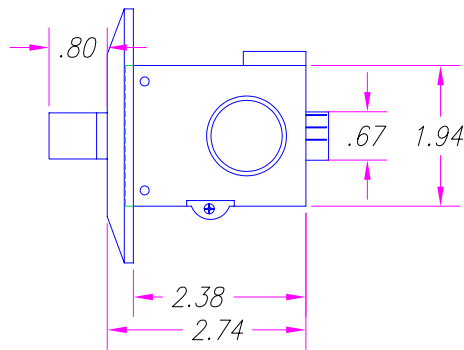
PNEUMATIC WALL SWITCH



FRONT VIEW



SIDE VIEW



TOP VIEW

Note:

Amico supplies 20ft of tubing with the Remote Switch.
 The diameter of the conduit required from the Remote Switch box should be a minimum of 3/4".

APPROVAL SIGNATURE _____

DATE _____

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HOSPITAL _____
 LOCATION _____
 DRAWING NO: _____

MODEL: PNEUMATIC RETRACTABLE CEILING COLUMN
 DESCRIPTION: PNEUMATIC WALL SWITCH
 REVISION NUMBER: _____ DATE: _____

D I S T R I B U T E D B Y :



14 Madison Rd., Fairfield, NJ 07004 USA
85 Fulton Way, Richmond Hill, ON L4B 2N4 Canada

Tel: 1-877-GOAMICO(1-877-462-6426)
Fax: (905) 764-0862 www.amico.com