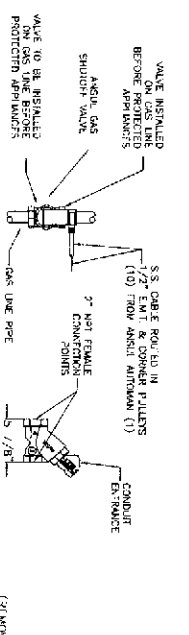


**PIPING NOTES**

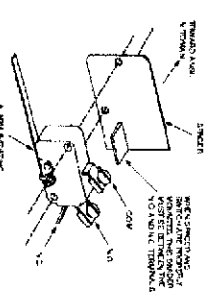
1. INSTALL THE ASBESTOS DISTRIBUTION PIPING AS INDICATED BY THESE DRAWINGS.
2. ALL PIPING MUST BE SCHEDULE 40, BLACK IRON, CHROME-PLATED OR STAINLESS STEEL PIPE AND FITTINGS. DO NOT USE HOT-DIPPED GALVANIZED IRON PIPE OR FITTINGS IN THE ASBESTOS DISTRIBUTION PIPING.
3. BEFORE ASSEMBLING THE PIPE AND FITTINGS, MAKE CERTAIN ALL ENDS ARE CAREFULLY BEAVED AND BRUSH CLEAN OF OILS AND SOOT. THE INSIDE OF THE PIPE AND FITTINGS MUST BE FREE OF OIL AND DIRT.
4. THE DISTRIBUTION PIPING AND FITTING CONNECTIONS LOCATED IN OR ABOVE THE FIFTH FLOOR OR PROTECTED AREA, MUST BE SEALED WITH PIPE TAPE, WHEN APPLYING THE TAPE, START AT THE SECOND WALL THREAD AND WRAP THE TAPE (TWO TURNS MAXIMUM) CLOCKWISE AROUND THE THREADS, AWAY FROM THE PIPE OPENING. DO NOT ALLOW THE TAPE TO OVERLAP THE PIPE OPENING AS THE PIPE AND NOZZLES COULD BE REMOVED. PROPER THREAD SEALANT OR COMPOUND MUST NOT BE USED AS IT COULD PLUG THE NOZZLES.
5. BRANCH TEES CAN BE USED TO ORGATE MORE THAN ONE BRANCH AND CAN BE INSTALLED AS A THRU THEE, SIDE OUTLET OR BULL THEE.
6. STANDARD FIVE HANGERS OR PIPE CLAMPS SHALL BE USED FOR SUPPORT. THE MAXIMUM DISTANCE BETWEEN HANGERS SHALL NOT EXCEED 5 FEET.
7. HANGERS SHOULD BE PLACED BETWEEN ELBOWS WHEN THE DISTANCE IS GREATER THAN 2 FEET.
8. INSTALL THE CORRECT NOZZLE TO A PREDETERMINED AIR POINT AS SHOWN IN THESE DRAWINGS.
9. BEFORE INSTALLING BLOW-OFF GUNS OR NOZZLES, APPLY A SMALL AMOUNT OF JOE GRASS NO. 111 SCORPE GRASS. SPRAY THE GRASS IN THE AREA OF THE NOZZLE AND THE EXTERIORS OF THE BLOW-OFF GUN DO NOT EXCEED 500 PSI. DO NOT USE THE NOZZLE OR BLOW-OFF GUN UNTIL THE BLOW-OFF GUN IS FULLY CHARGED WITH GRASS.
10. MAKE CERTAIN A BLOW OFF GUN IS IN PLACE OVER EACH NOZZLE. THESE BLOW-OFF GUNS ARE DESIGNED TO KEEP GRAVE FROM BLENDING UP ON THE NOZZLE ON-ICE AND IMPROVING ASBESTOS LOW.



**GAS SHUTOFF VALVE INSTALLATION DETAIL**

**GAS VALVE INSTALLATION NOTES**

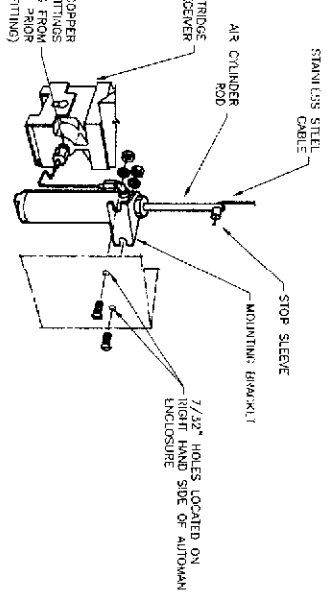
1. INSTALL 1/2" NPT CARTRIDGE AND PULLEY ELBOWS FROM THE AUTOMAN ENCLOSURE TO THE MECHANICAL GAS SHUTOFF VALVE.
2. BEGINNING AT THE AUTOMAN, THREAD THE END OF THE STAINLESS STEEL CABLE THROUGH THE HOLE IN THE AIR CYLINDER ROD.
3. FITTED THE END OF THE STAINLESS STEEL CABLE THROUGH THE CARTRIDGE AND PULLEY ELBOWS.
4. REMOVE THE SOFT COVER ON THE GAS VALVE AND THREAD THE END OF THE STAINLESS STEEL CABLE THROUGH THE HOLE IN THE DOCKING LEVER. SLIDE A STOP SLEEVE ONTO THE CABLE AND CRAMP. MAKE CERTAIN THE CRAMP IS ON TOP OF THE TRIGGER WITH THE CABLE CURVED UNDER THE LEVER.
5. RAISE THE AIR CYLINDER ROD 1/2" TO ITS MAXIMUM EXTENDED POSITION.
6. MANUALLY PULL THE CABLE TO REMOVE EXCESS SLACK. DO NOT ADJUST THE MECHANICAL GAS VALVE. THE MECHANICAL GAS VALVE MUST BE COCKED AND THE AIR CYLINDER ROD EXTENDED 1/2" TO ITS MAXIMUM EXTENSION BEFORE COMPLETING THE NEXT STEP.
7. SLIDE STOP SLEEVE AGAINST THE AIR CYLINDER ROD. MAKE CERTAIN A 1/8" SLACK IS REMOVED FROM CABLE AND CRAMP SLEEVE CUT OFF ANY EXCESS CABLE APPROXIMATELY 3/4" IN FROM THE END OF THE STOP SLEEVE.



**ALARM INITIATING SWITCH DETAIL**

THE ALARM INITIATING SWITCH KIT (ANSUL PART NUMBER 42387) IS FIELD MOUNTED WITHIN THE ANSUL AUTOMAN ENCLOSURE. THE SWITCH MUST BE USED TO CLOSE A SUPERVISED ALARM CIRCUIT TO THE BUILDING MAIN PANEL. WHEN THE ANSUL AUTOMAN ACTUATES THIS ACTION WILL SIGNAL THE BUILDING PANEL THAT THERE WAS A SYSTEM ACTIVATION IN THE KITCHEN AREA.

THE SWITCH KIT CONTAINS ALL THE NECESSARY MOUNTING COMPONENTS ALONG WITH AN INSTRUCTION SHEET. THE SWITCH IS RATED 500VA @ 28 VDC.



**AIR CYLINDER DETAIL**

NOTES: THE INFORMATION AND GRAPHIC CONDITIONS ON THIS SHEET ARE DERIVED FROM INFORMATION OBTAINED IN A PUBLICATION TITLED "ANSUL DESIGN, INSTALLATION, REPAIR AND MAINTENANCE MANUAL P-102 RESTAURANT PIPE SUPPRESSION SYSTEM (STANDARD OR 300 LB/FT) PART NUMBER 419807-1".

IF ADDITIONAL TECHNICAL ASSISTANCE IS NEEDED CONTACT ANSUL, INC. 1 STATION STREET, WARE, NH, W 54183-2542. USA TELEPHONE NUMBER 1-715-735-7415. TECHNICAL ASSISTANCE PRESS # 4.

**System Information:**  
ANSUL P102 - 36 "WC"  
CHEMICAL KITCHEN FIRE SUPPRESSION SYSTEMS INCLUDING EXHAUST HOODS & COOKING APPLIANCES

**Client:**  
NOEL SULLIVAN  
A MOVEABLE TEAST  
431 CONGRESS STREET  
PORTLAND, ME 04101

**Interstate**  
FIRE PROTECTION  
P.O. BOX 1005  
NORTH CONWAY, NH 03860  
P.O. BOX 187  
GARDNER, ME 04345

Project Name	"MET" CHEMICAL KITCHEN FIRE SUPPRESSION SYSTEM PIPE SPECIFICATION & COMPONENT DETAIL
Drawn By	...
Checked By	...
Scale	AS SHOWN
Sheet No.	02