1/4" (6.35mm) BULKHEAD UNION

2. 4% SO2 IN N2 SPAN GAS 10 PSIG
3. ULTRA PURE N2 ZERO GAS 10 PSIG
4. INSTRUMENT AIR 80–100 PSIG 6–8 SCFM
6. ATMOS PRESSURE DRAIN TO SAFE LOCATION

3/8" (9.5mm) BULKHEAD UNION

5. ATMOS PRESSURE VENT TO SAFE LOCATION

2" (50.8mm) HUB

1. SAMPLE INLET (HEATED LINE)

3/4" (19.1mm) NPT FEMALE CONNECTION

A. POWER IN 115 VAC, 60 HZ 20 AMPS

B. ANALOG SIGNAL 4–20 MADC

PRESSURE INDICATORS

PI2 SAMPLE INLET PRESSURE

PI3 ANALYZER SAMPLE PRESSURE

PI4 CELL PRESSURE

BACK PRESSURE REGULATOR

BPR1 ANALYZER SAMPLE PRESSURE

BPR2 CELL PRESSURE

FLOWMETERS

FI1 SAMPLE FLOW 1000 CC/MIN

FI2 BYPASS FLOW 4 LITERS/MIN

FI3 CALIB GAS FLOW 1000 CC/MIN

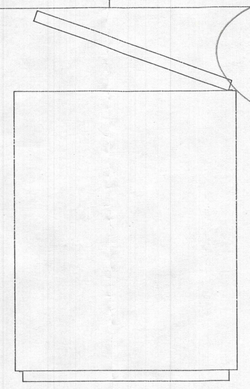
TEMPERATURE INDICATOR

TI1 ENCLOSURE TEMPERATURE

SWITCH

SW1 MANUAL BLOWBACK

SW2 SELECT SWITCH OFF–ZERO–SPAN



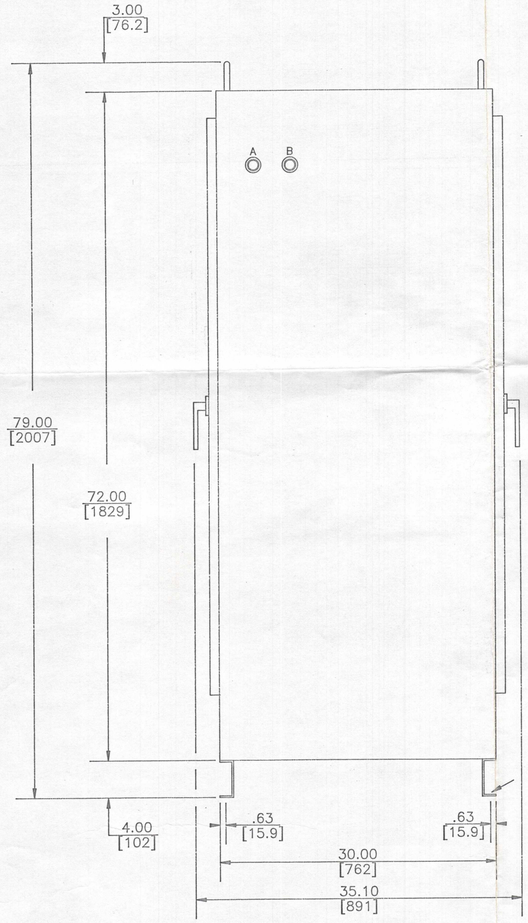
ALLOW 24" (609.6mm) FRONT & BACK TO OPEN DOORS

TIMER

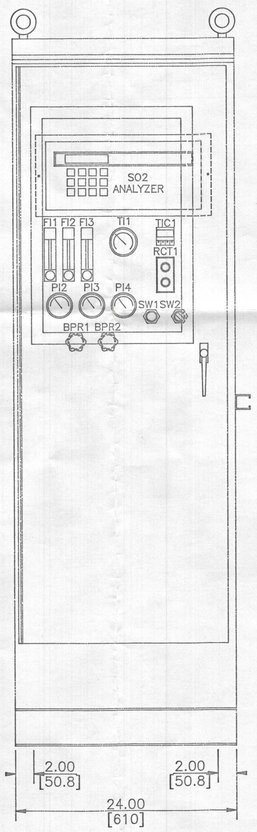
ON/OFF REPEAT CYCLE TIMER

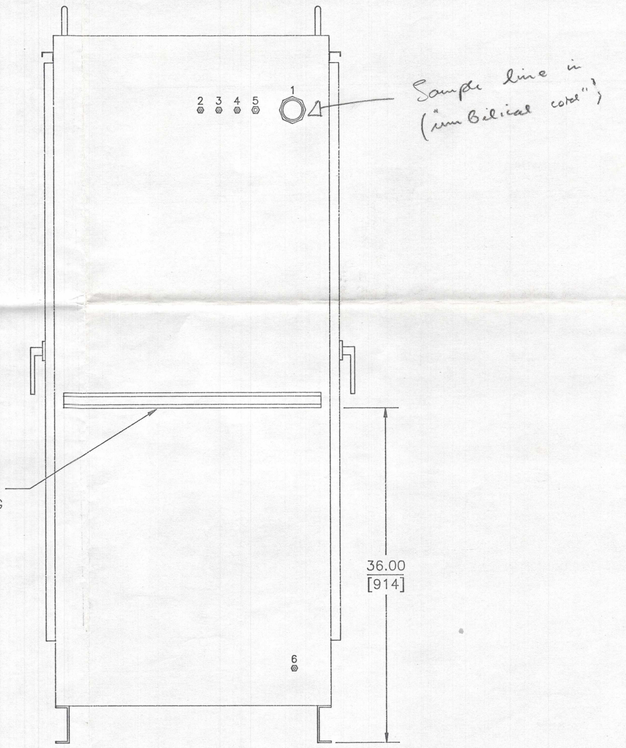
TEMPERATURE CONTROLLER

TIC1 PROBE ENCLOSURE 320°F



footprint = 2 ft x 3 ft + allowance front and back to open doors





NOTES:

1. NEC AREA CLASSIFICATION:
   - ☒ NON–HAZARDOUS
   - ☐ CLASS I, DIVISION 2, GROUPS B, C & D
   - ☐ CLASS I, DIVISION 1, GROUPS B, C & D
2. A GROUND STRAP IS TO BE CONNECTED BETWEEN MAIN FRAME ASSEMBLY/ENCLOSURE AND ALL DOORS/REMOVABLE TOPS, BASES, AND SIDE PANELS.
3. LOCATION: ☒ INDOORS ☒ OUTDOORS
4. ENCLOSURE: NEMA 12 (IEP___), ☒ INSULATED ☐ UNINSULATED
5. RECOMMENDED AMBIENT TEMPERATURE LOCATION: ____°C (____°F)
6. ESTIMATED ENCLOSURE INTERIOR TEMPERATURE: ____°C (____°F)
7. ENCLOSURE HEATED TO ____°C (__°F) ±__°C (±__°F)
8. ESTIMATED WEIGHT: 850 LBS. (386 Kg)

REFERENCE DWG'S
D–775267 FLOW DIAGRAM
D–775269 WIRING DIAGRAM
D–775270 O&MD PROBE BOX

CHG	E.O. NO.	DATE	BY	ENGR
A	INITIAL	3–12–97	GRL	

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MATERIAL

NEMA 12 ENCLOSURE W/DRIP SHIELD

FINISH

FED STD 595B, COLOR NO. 26307 GRAY EPOXY TEXTURED

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES/MILLIMETERS
TOLERANCES

INCH	mm
.X ±.050	.X ± 1.27
.XX ±.020	.X ± 0.51
.XXX ±.005	.XX± 0.13

ANGULAR±0°30' MACH. SURF.125/ UNLESS 3.2 UM
UN STD THREADS CLASS 2A OR 2B
REMOVE BURRS & SHARP EDGES .020/0.5
MACH FILLET RADIUS .020/0.5
MACH SURF FLAT WITHIN .001 in/in (.025 mm/mm)
OTHER SURF FLAT WITHIN .005 in/in (.127 mm/mm)
CONCENTRICITY MACH. SURF.
TIR WITHIN 1/2 SUM OF DIA TOL .001/.025 MIN
DO NOT SCALE DRAWING

QTY	ITEM	PART NO	DESCRIPTION
BY		DATE	
DR G R LYEN		3–12–97	
ENGR			

RMT–CANADA
P.O. 501067
ROSEMOUNT ANALYTICAL
SY 10206

Rosemount Analytical Inc. ROSEMOUNT ANALYTICAL INC. LA HABRA, CALIFORNIA 90631

TITLE
OUTLINE & MOUNTING DIMENSIONS SO2 MONITORING SYSTEM

SIZE D

DWG NO. — 775268

SCALE 1/8"=1" SHEET 1 OF 1

DWG. NO. D SIZE