REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

D

C

B

1276001HM

COMPRESSOR STATOR
CYLINDER VALVE ASSEMBLY
PER A.T.A. NAVAIR 02B-10DAC-6-2

LEGEND

H: HOSE
HPH: HIGH PRESSURE HOSE
T: TUBE
-4: REFERS TO LINE SIZE IN 16 TH'S OF AN INCH (I.E. -4 = $\frac{1}{4}$")

QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

1276001T	JOB 9513
NEXT ASS'Y	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES

MATERIAL:

FINISH:

SIGNATURES		DATE
DWN	A. GERVASI	5-11-90
CHKR	B. Crowell	5-15-90
ENGR	B. CROWELL	4-23-90
QUAL		

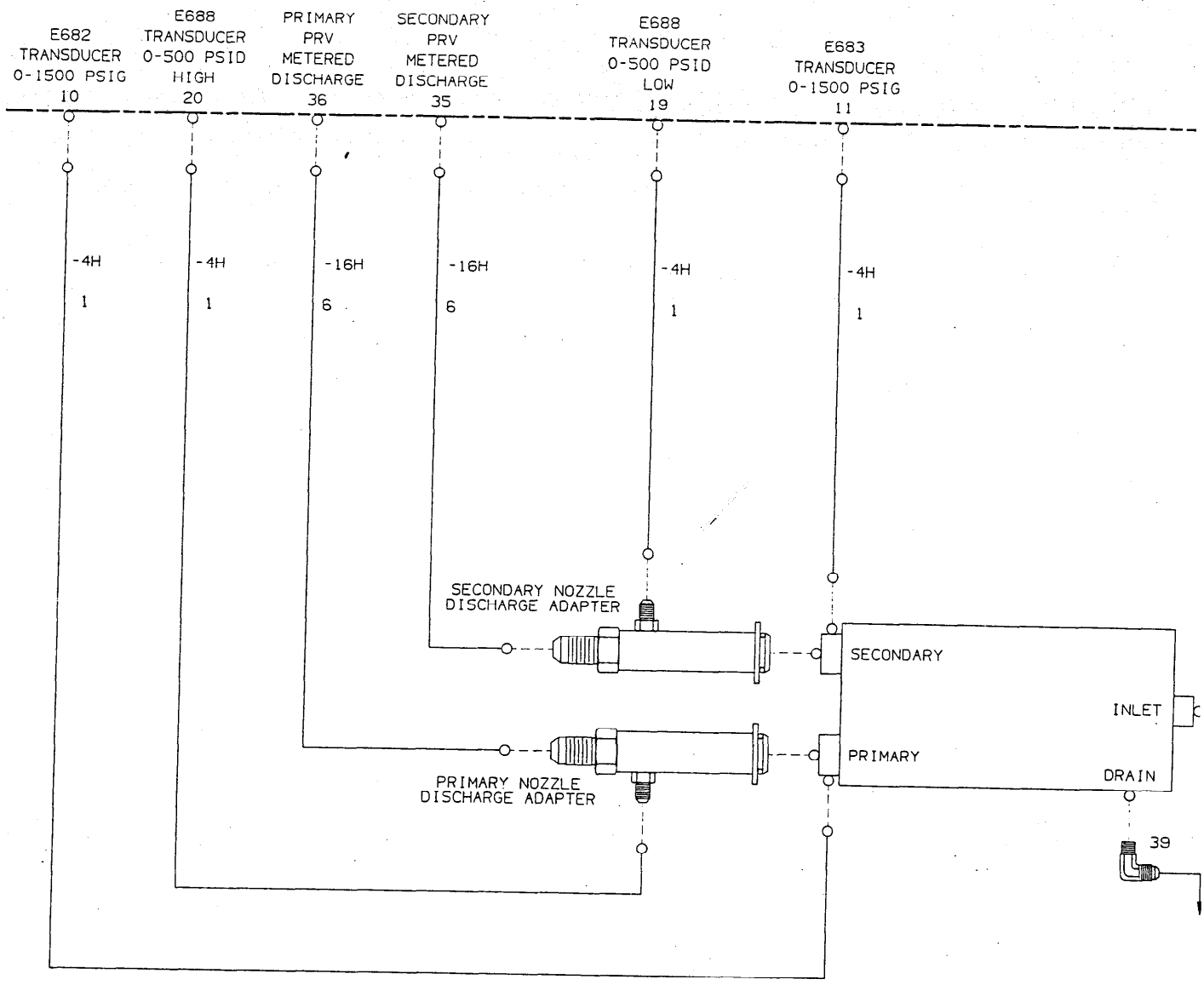
BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

J52 FUEL ACCESSORIES TEST STAND
HOOK-UP DIAGRAM

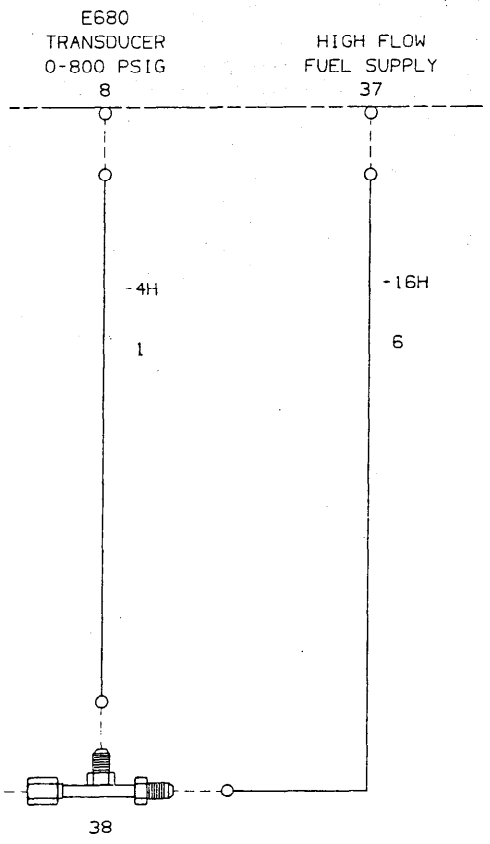
SIZE	FSCM NO.	DWG NO.	REV
D	70882	1276001HM	
SCALE	WEIGHT	SHEET 1 OF 1	

A

FILE MASTER 5-15-90


E682
TRANSDUCER
0-1500 PSIG
10
E688
TRANSDUCER
0-500 PSID
HIGH
20
PRIMARY
PRV
METERED
DISCHARGE
36
SECONDARY
PRV
METERED
DISCHARGE
35
E688
TRANSDUCER
0-500 PSID
LOW
19
E683
TRANSDUCER
0-1500 PSIG
11
-4H
1
-4H
1
-16H
6
-16H
6
-4H
1
-4H
1
SECONDARY NOZZLE
DISCHARGE ADAPTER
SECONDARY
INLET
PRIMARY
DRAIN
PRIMARY NOZZLE
DISCHARGE ADAPTER
39

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



PRESSURIZING AND DUMP VALVE ASSEMBLY

PER A.T.A. NAVAIR 02B-10DAC-6-2

APPLICABLE TO P&D VALVE

PART NUMBER 576943

1276001HN

LEGEND

H: HOSE
HPH: HIGH PRESSURE HOSE
T: TUBE
-4: REFERS TO LINE SIZE IN 16 TH'S OF AN INCH (I.E. -4 = $\frac{1}{4}$")

QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

1276001T	JOB 9513
NEXT ASS'Y	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES

MATERIAL:

FINISH:

SIGNATURES		DATE
DWN	L. RODRIGUEZ	5-11-90
CHKR	B. CROWELL	5-23-90
ENGR	B. CROWELL	5-10-90
QUAL		

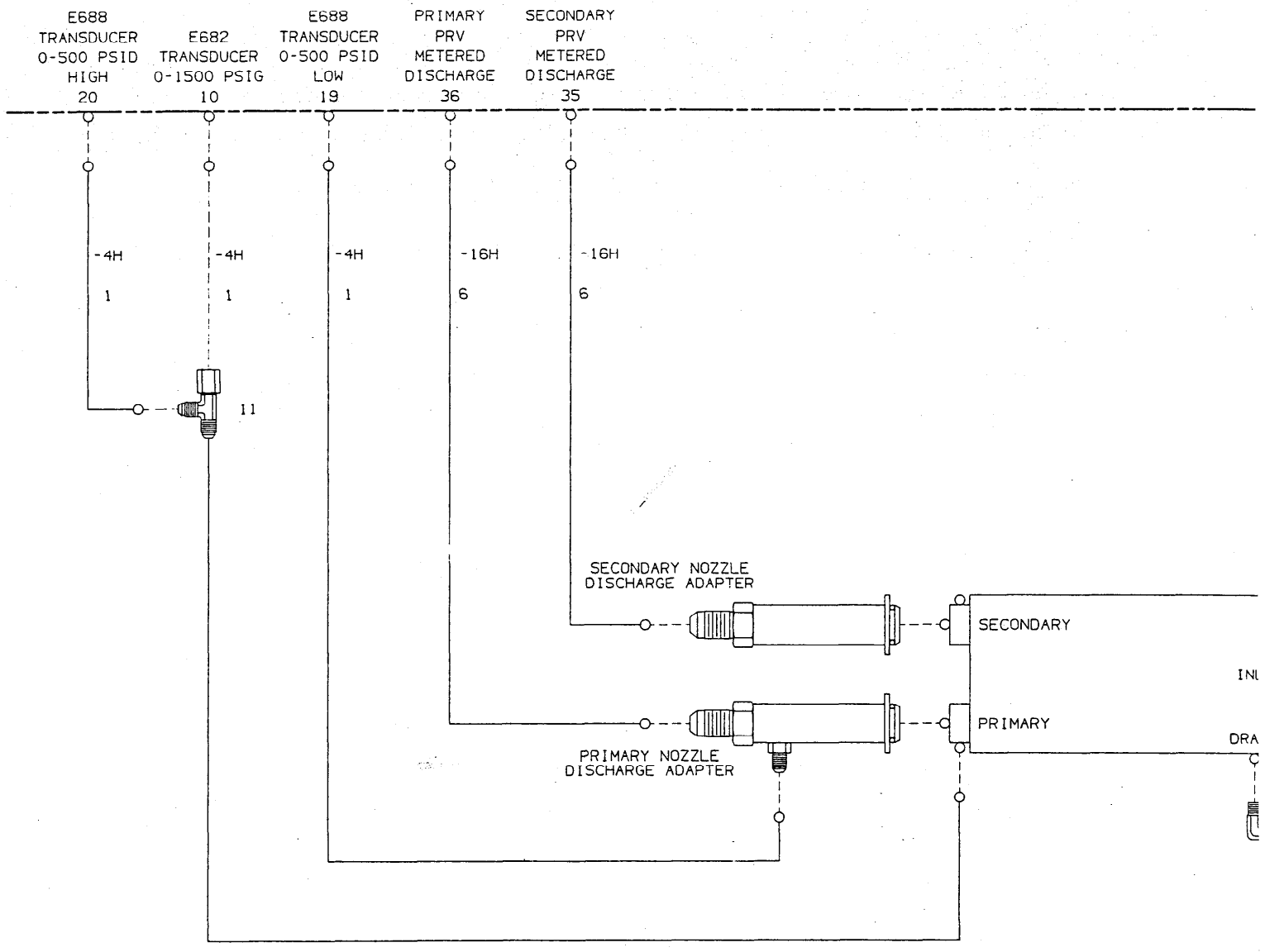
BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

J52 FUEL ACCESSORIES TEST STAND
HOOK-UP DIAGRAM

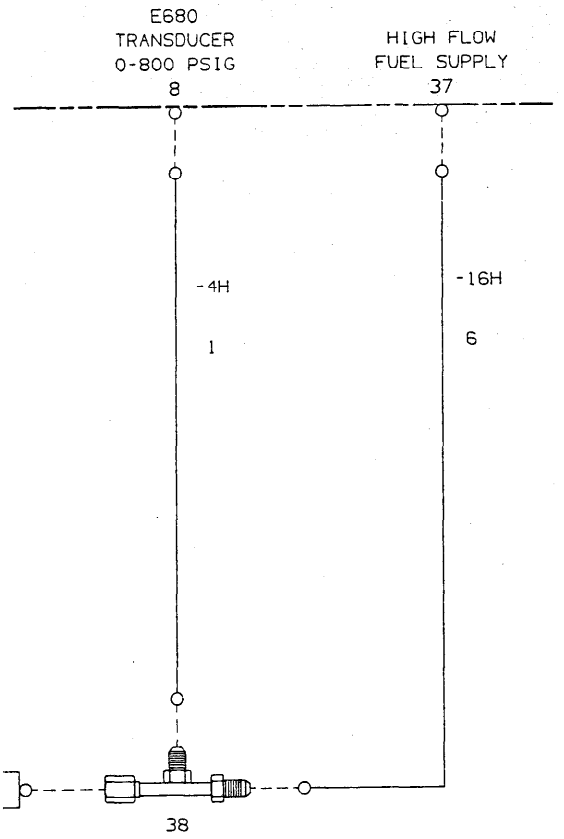
SIZE	FSCM NO.	DWG NO.	REV
D	70882	1276001HN	

SCALE | WEIGHT | SHEET 1 OF 1

File Master 5-23-90


E688
TRANSDUCER
0-500 PSID
HIGH
20
E682
TRANSDUCER
0-1500 PSIG
10
E688
TRANSDUCER
0-500 PSID
LOW
19
PRIMARY
PRV
METERED
DISCHARGE
36
SECONDARY
PRV
METERED
DISCHARGE
35
-4H
1
-4H
1
-4H
1
-16H
6
-16H
6
11
SECONDARY NOZZLE
DISCHARGE ADAPTER
SECONDARY
PRIMARY
PRIMARY NOZZLE
DISCHARGE ADAPTER

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



PRESSURIZING AND DUMP VALVE ASSEMBLY

PER A.T.A. NAVAIR 02B-10DAC-6-2

APPLICABLE TO P&D VALVE

PART NUMBERS 540446 & 540447

LEGEND

H: HOSE
HPH: HIGH PRESSURE HOSE
T: TUBE
-4: REFERS TO LINE SIZE IN 16 TH'S OF AN INCH (I.E. -4 = $\frac{1}{4}$")

QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

1276001T	JOB 9513
NEXT ASS'Y	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES

MATERIAL:

FINISH:

SIGNATURES		DATE
DWN	L. RODRIGUEZ	5-11-90
CHKR	B. CROWELL	5-23-90
ENGR	B. CROWELL	5-10-90
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

J52 FUEL ACCESSORIES TEST STAND
HOOK-UP DIAGRAM

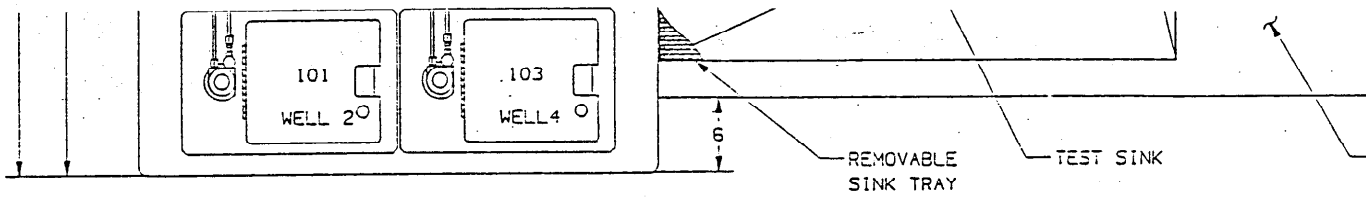
SIZE	FSCM NO.	DWG NO.	REV
D	70882	1276001HP	

SCALE | WEIGHT | SHEET 1 OF 1

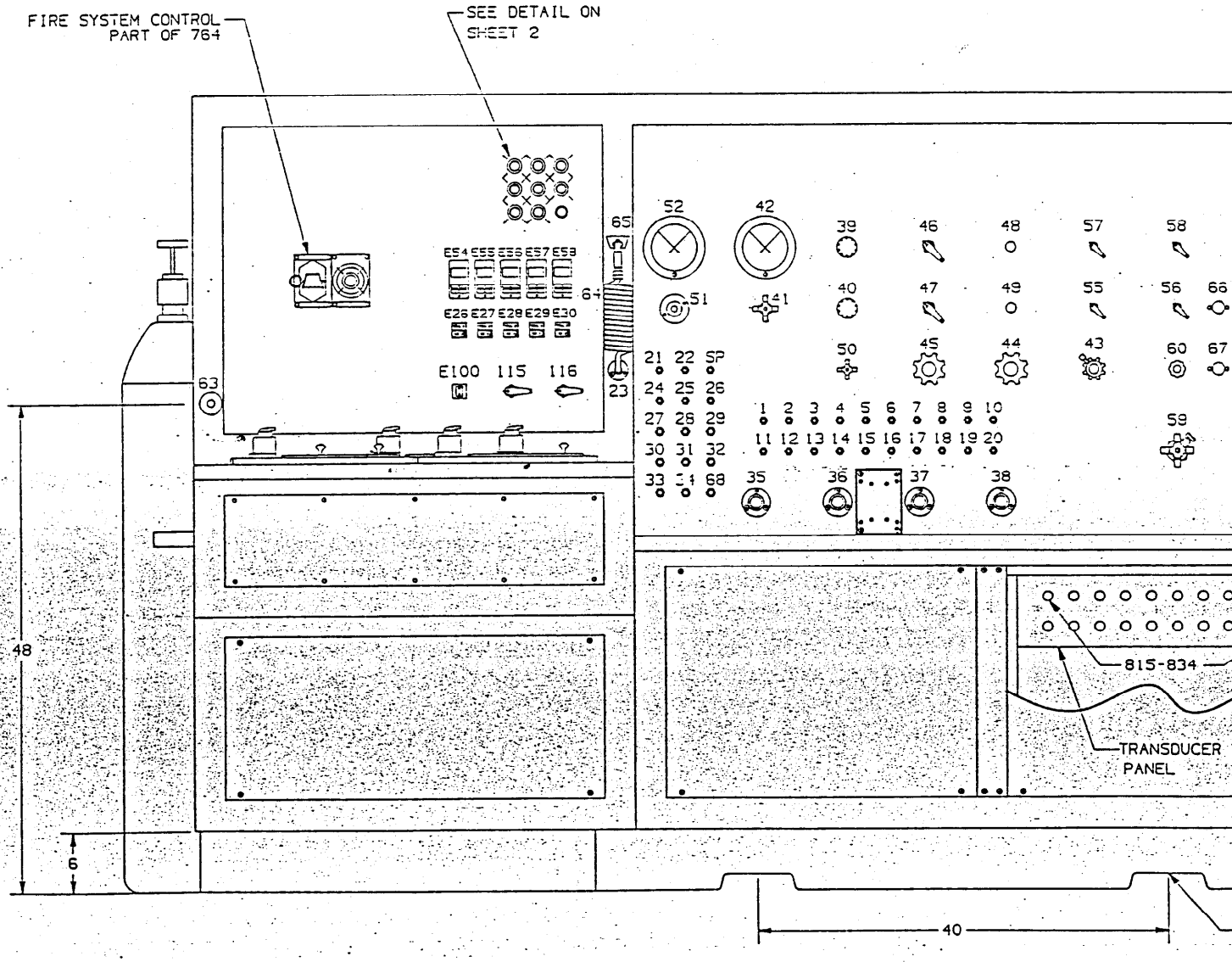
1276001HP

NAVY JACKSONVILLE
J52 FUEL ACCESSORIES TEST STAND
Model 1276001
Serial No. 9513

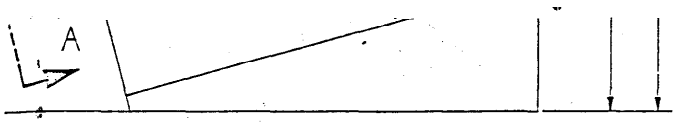
EQUIPMENT INSTALLATION INSTRUCTIONS



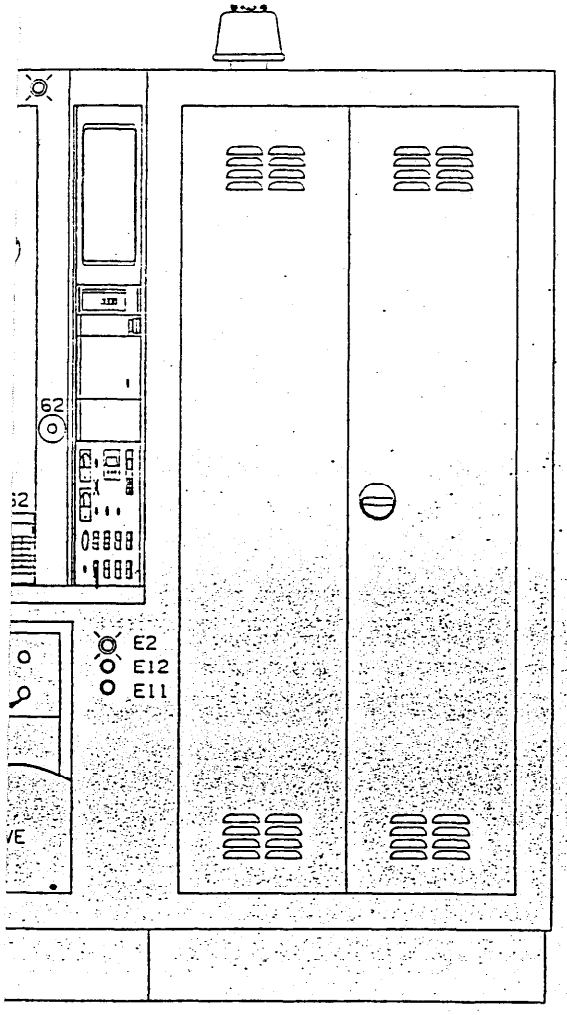
TOP VIEW



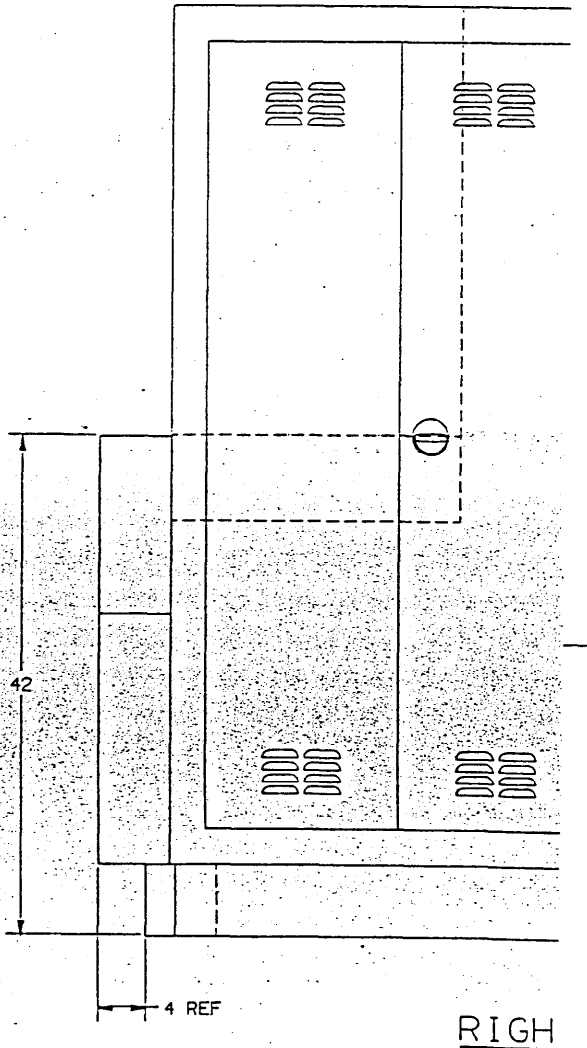
FRONT VIEW



NTER

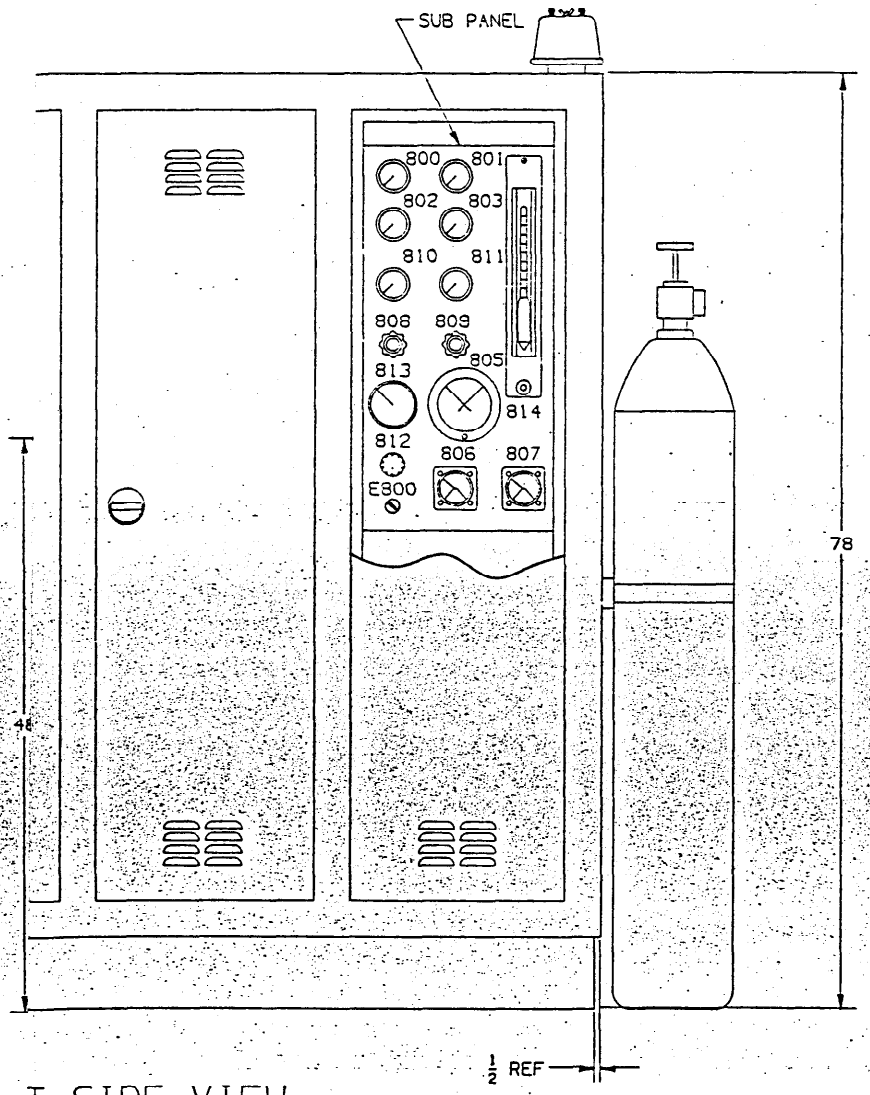


FORKLIFT CHANNEL



RIGH

1276001	JOB 951
NEXT ASS'Y	USED O
APPLICATION	



T SIDE VIEW

QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
N/A	N/A	N/A

MATERIAL: N/A

FINISH: N/A

SIGNATURES		DATE
DWN	A. GERVASI	4-28-89
CHKR	B. CROWELL	5-23-90
ENGR	J. COLEMAN	3-14-89
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

J52 FUEL ACCESSORIES TEST STAND

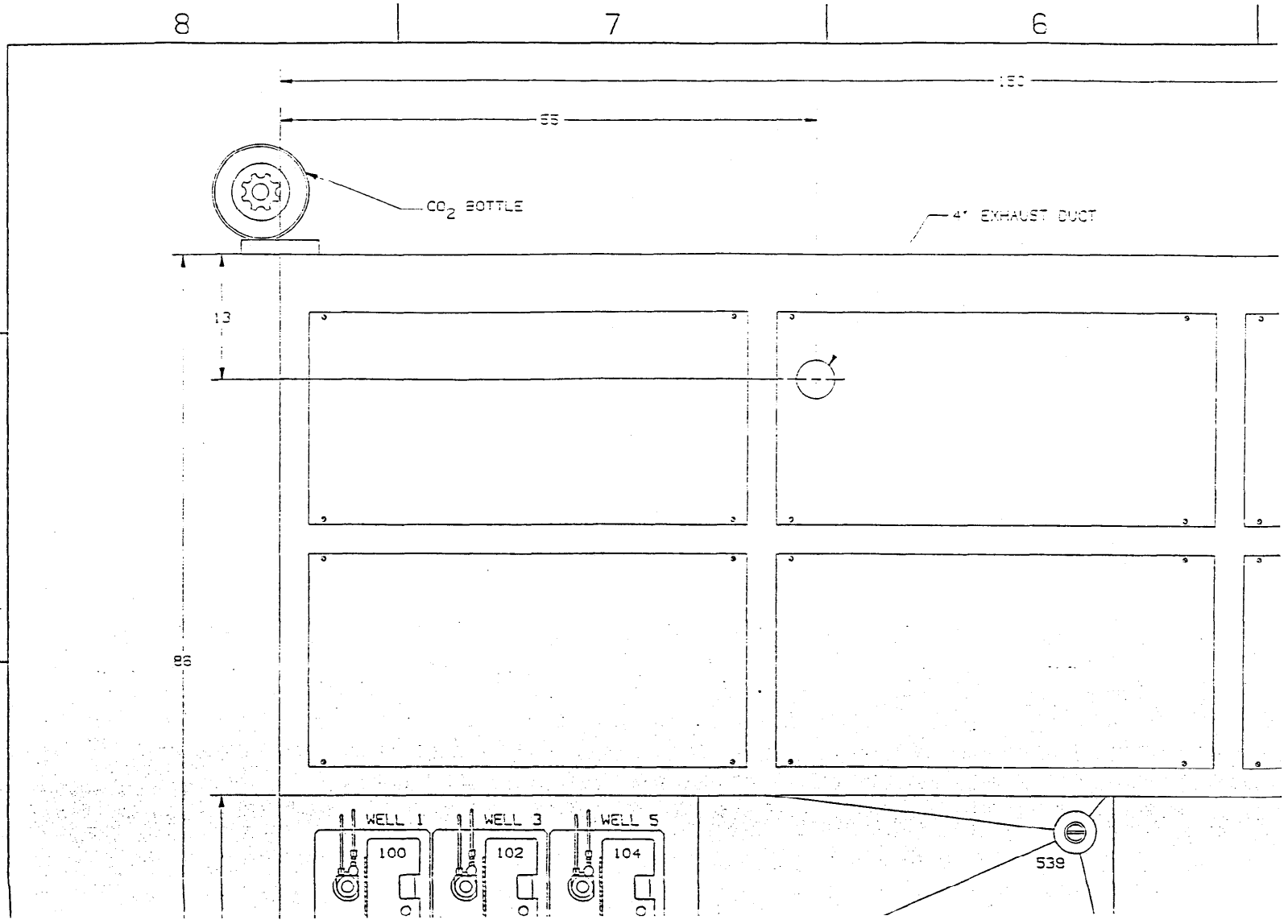
GENERAL ARRANGEMENT

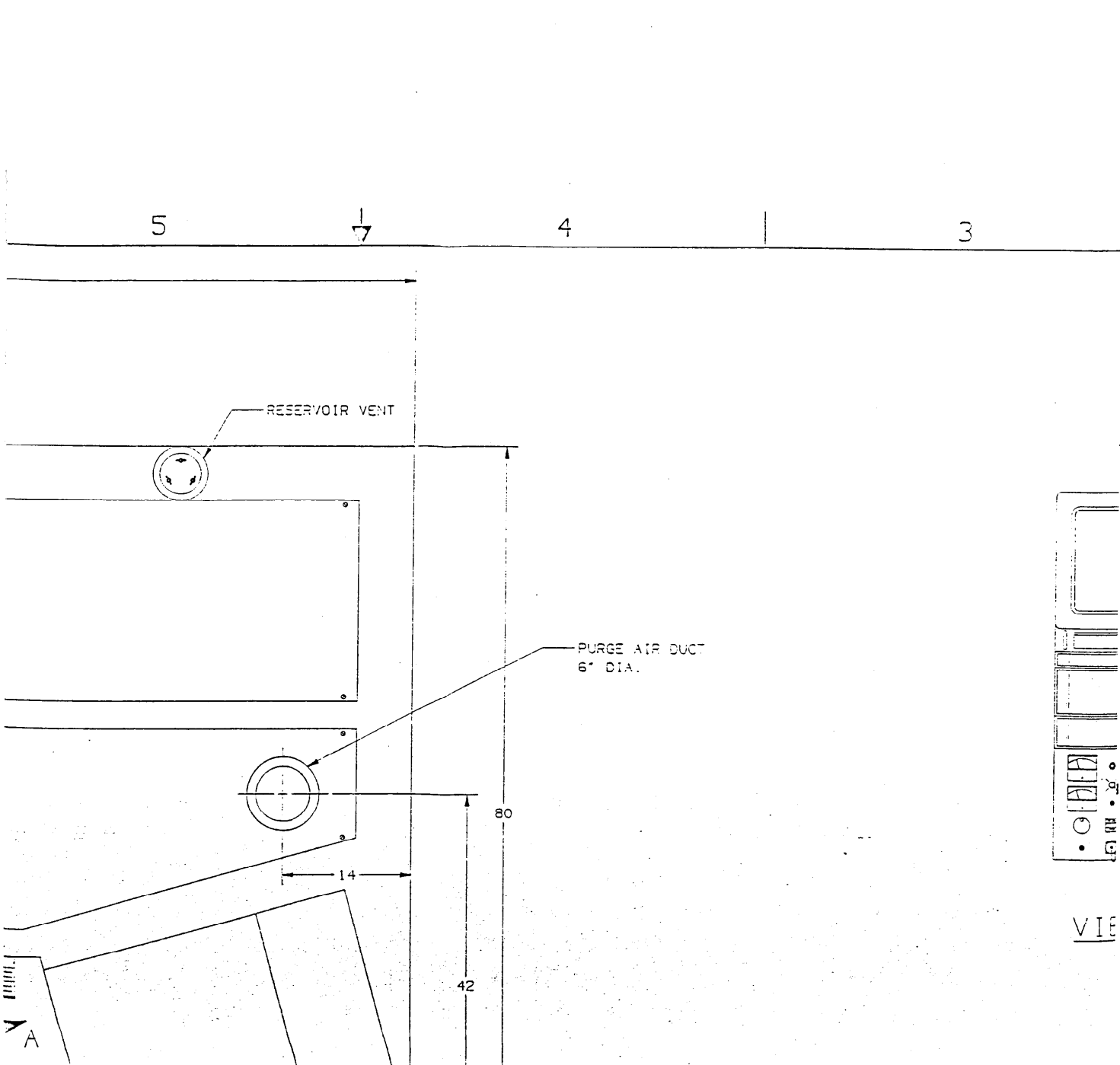
SIZE	FSCM NO.	DWG NO.	REV
E	70882	1276001T	

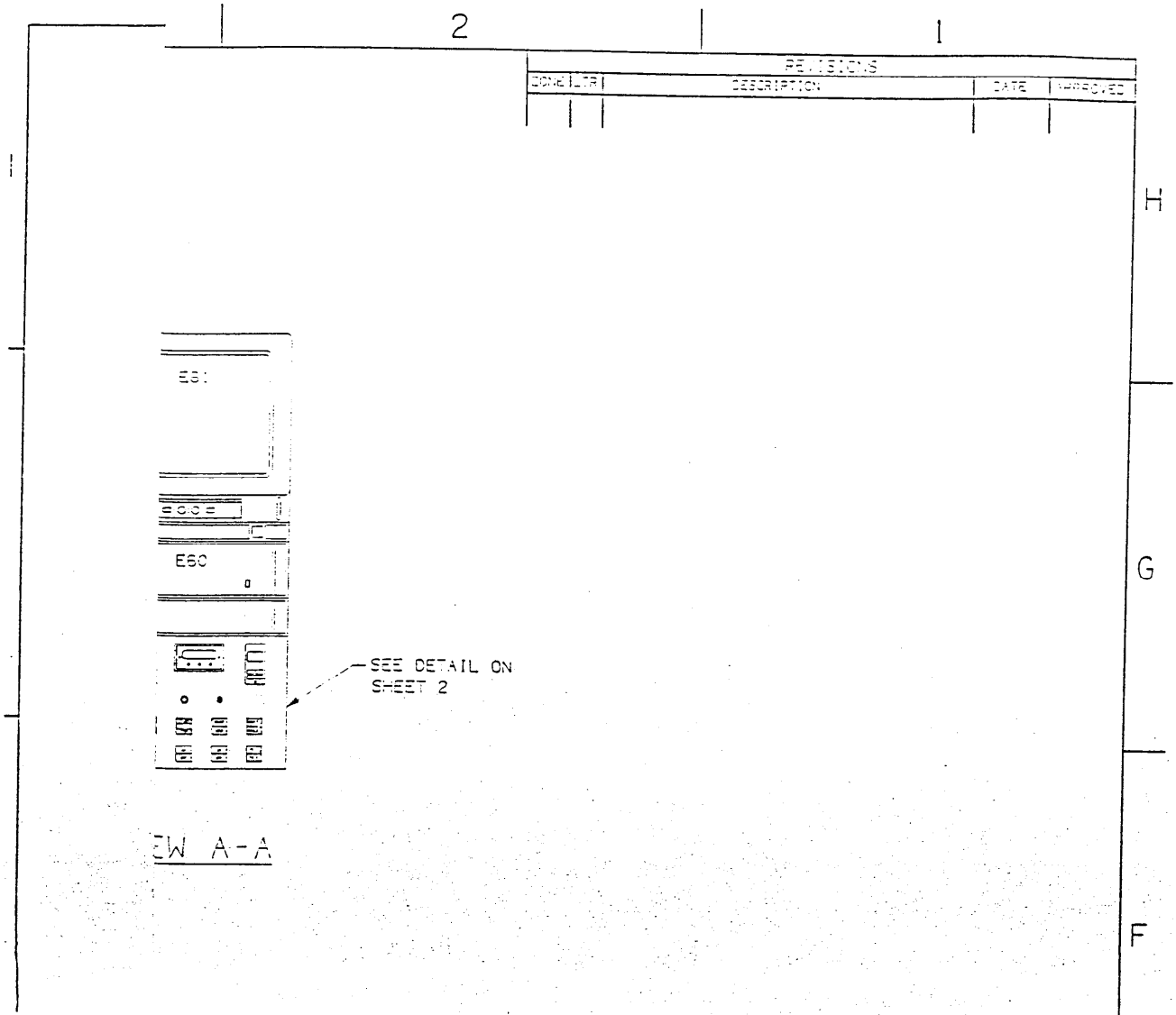
SCALE 1:8 | WEIGHT N/A | SHEET 1 OF 8

1276001T

FILE MASTER
5-23-90

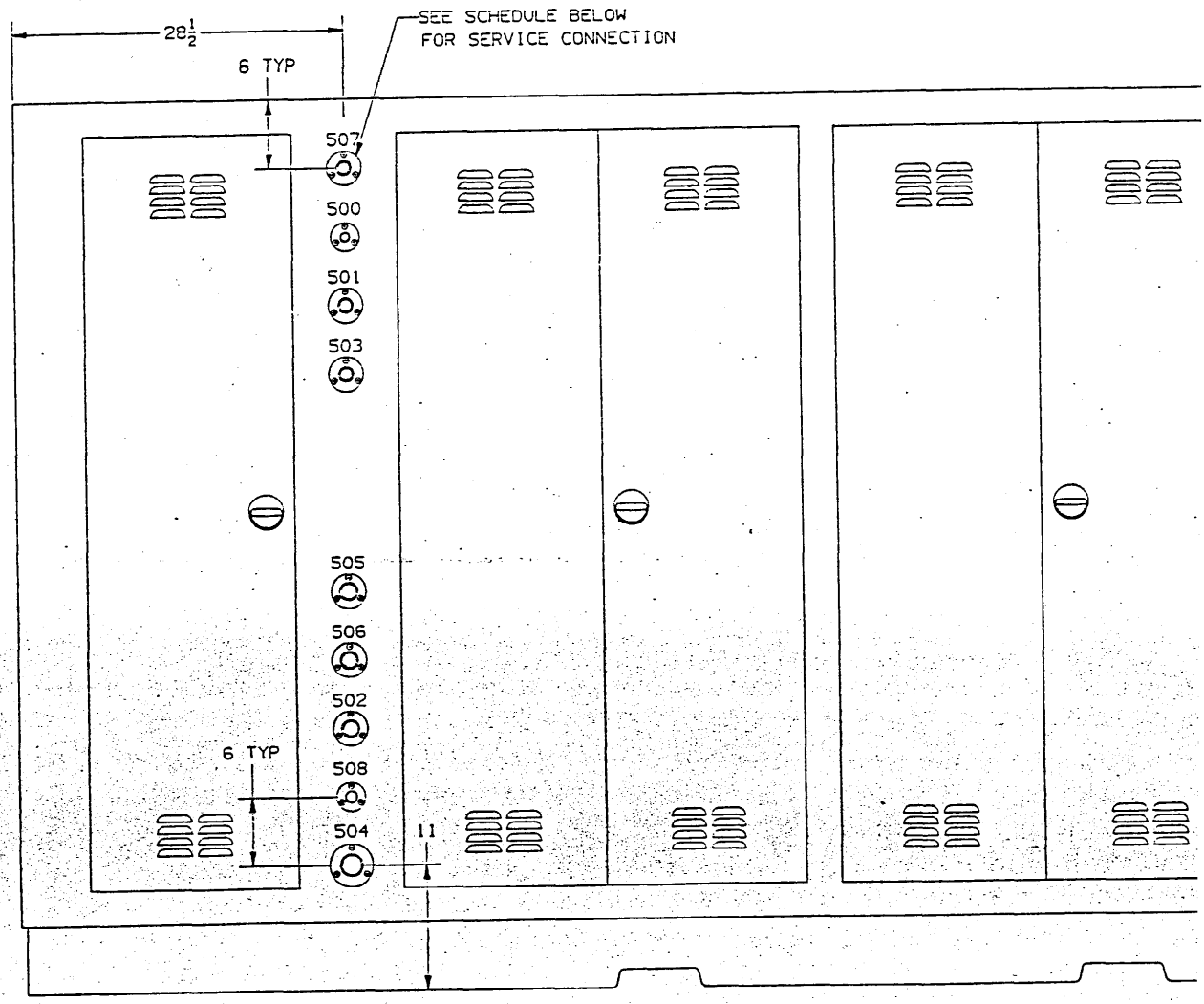

8
7
6
150
55
CO_2 BOTTLE
4" EXHAUST DUCT
13
98
WELL 1
WELL 3
WELL 5
100
102
104
539


5
4
3
RESERVOIR VENT
PURGE AIR DUCT
6" DIA.
80
14
42
A


2
1
REVISIONS
ZONE
LTR
DESCRIPTION
DATE
APPROVED
H
G
F
E61
E60
SEE DETAIL ON
SHEET 2
EW A-A

DC SUPPLY/ STOP/START PANEL

SCALE: 3/4"=1"



REAR VIEW

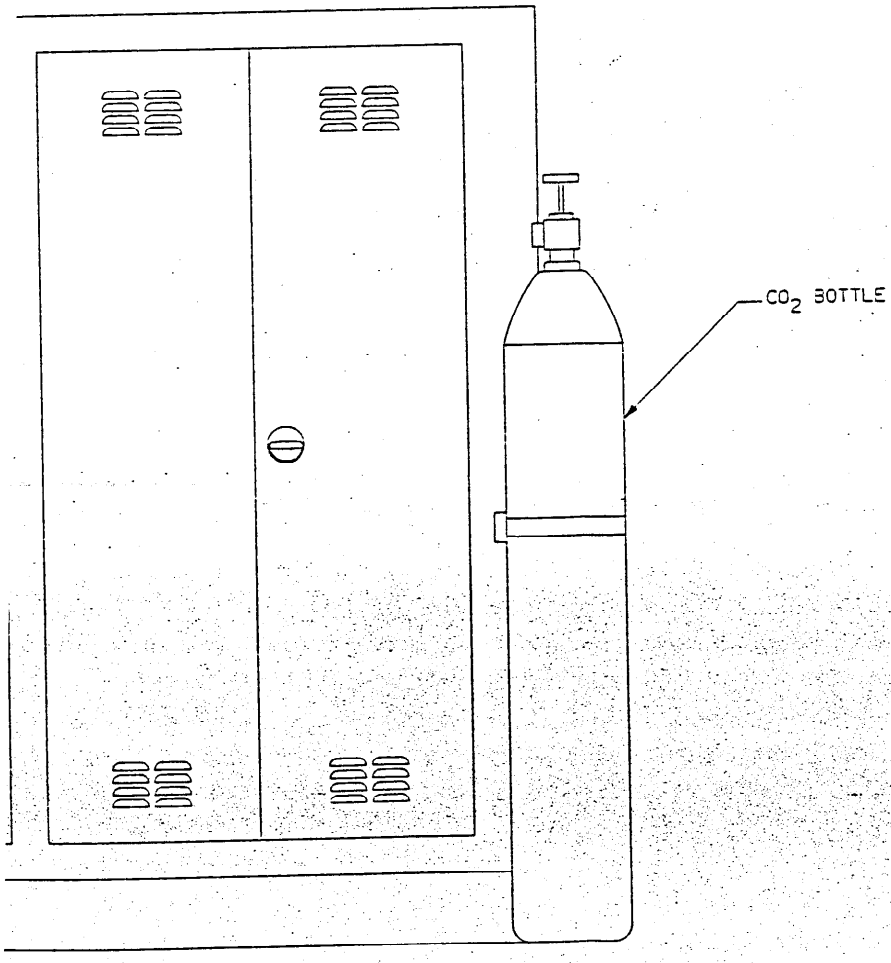
SERVICE SCHEDULE

DET	SIZE	DESCRIPTION
500	3/8" NPT	HIGH PRESSURE AIR
501	3/4" NPT	SHOP AIR
502	1" NPT	SINK DRAIN
503	3/4" NPT	RESERVOIR PRESSURE FILL
504	1 1/4" NPT	RESERVOIR DRAIN
505	1" NPT	WATER INLET
506	1" NPT	WATER OUTLET
507	3/4" NPT	STEAM INLET
508	1/2" NPT	CONDENSATE OUTLET

B

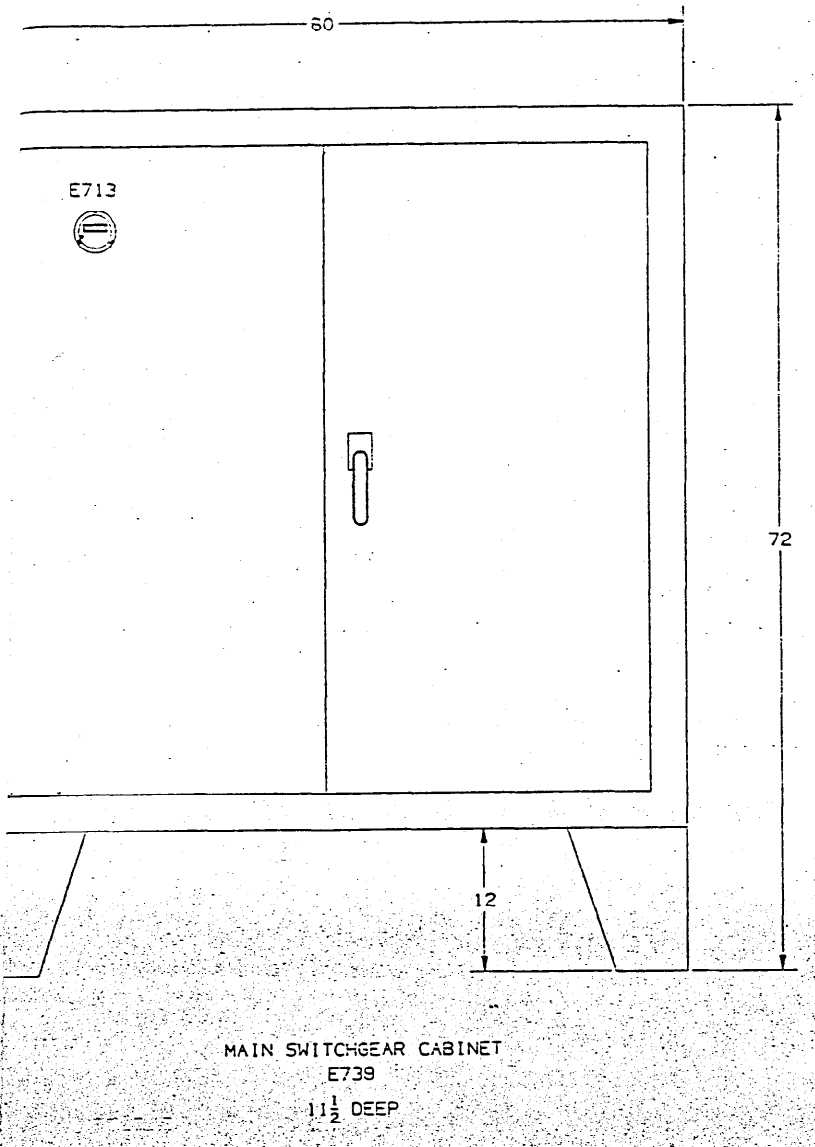
A

8 7 6



1278001	JOB
NEXT ASS'Y	USED
APPLICATION	

5 4 3



QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
N/A	N/A	N/A

MATERIAL: N/A

FINISH: N/A

SIGNATURES		DATE
DWN	A. GERVASI	3-20-90
CHKR	B. CROWELL	5-16-90
ENGR	J. COLEMAN	3-14-89
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

J52 FUEL ACCESSORIES TEST STAND

GENERAL ARRANGEMENT

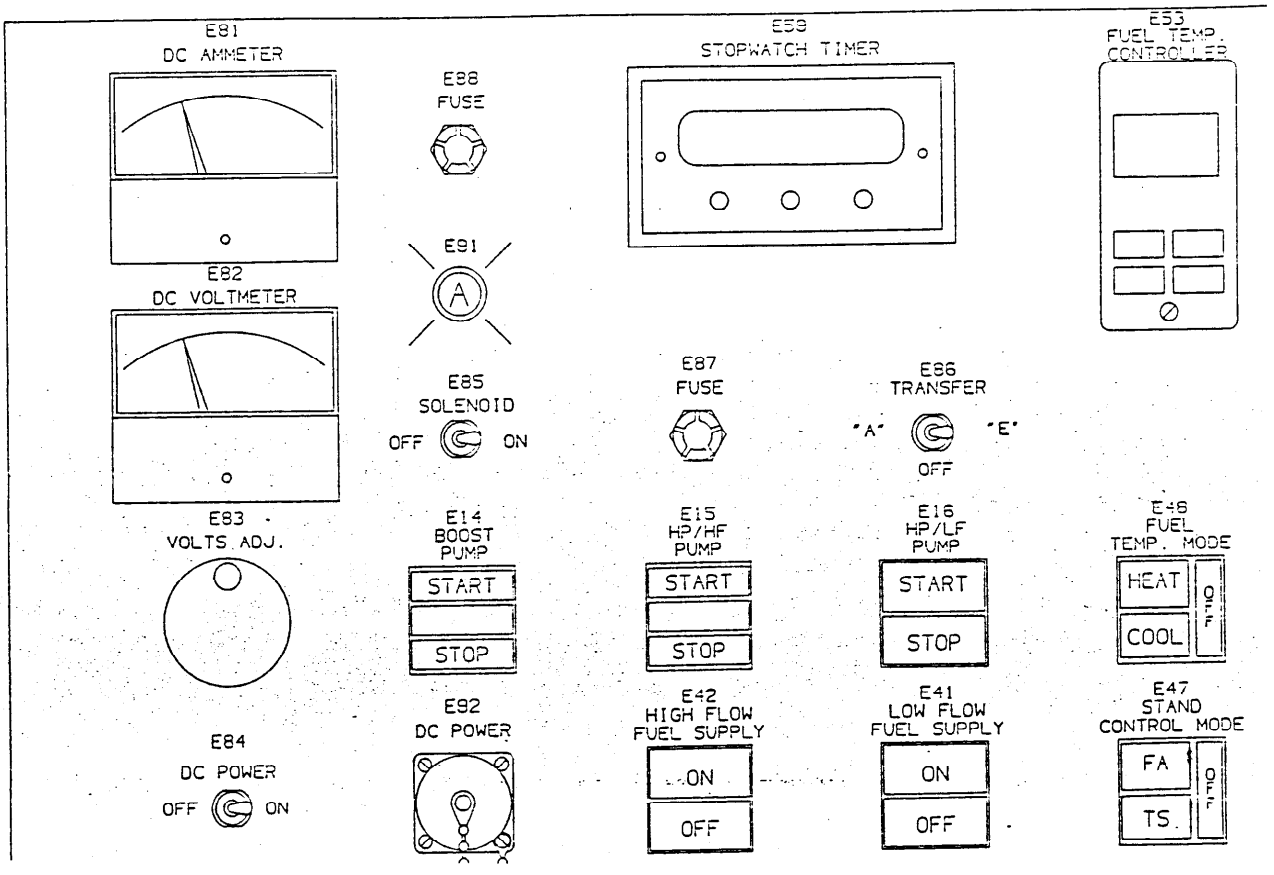
SIZE	FSCM NO.	DWG NO.	REV
E	70882	1276001T	

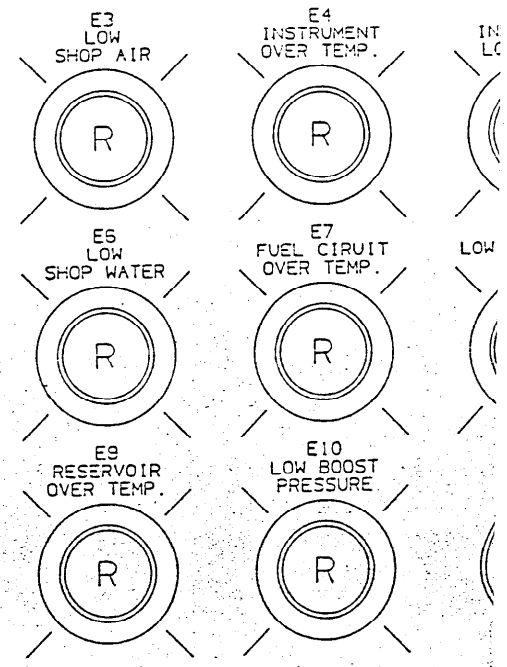
SCALE 1:9 | WEIGHT N/A | SHEET 2 OF 8

1276001T

FILE MASTER
5-16-90

8 7 6


E81
DC AMMETER
E88
FUSE
E59
STOPWATCH TIMER
E53
FUEL TEMP.
CONTROLLER
E91
A
E82
DC VOLTMETER
E85
SOLENOID
OFF
ON
E87
FUSE
E86
TRANSFER
"A"
"E"
OFF
E83
VOLTS ADJ.
E14
BOOST
PUMP
START
STOP
E15
HP/HF
PUMP
START
STOP
E16
HP/LF
PUMP
START
STOP
E48
FUEL
TEMP. MODE
HEAT
COOL
OFF
E84
DC POWER
OFF
ON
E92
DC POWER
E42
HIGH FLOW
FUEL SUPPLY
ON
OFF
E41
LOW FLOW
FUEL SUPPLY
ON
OFF
E47
STAND
CONTROL MODE
FA
TS
OFF



ANNUNCIATOR

2 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

H

E5
STRUMENT
W PURGE

R

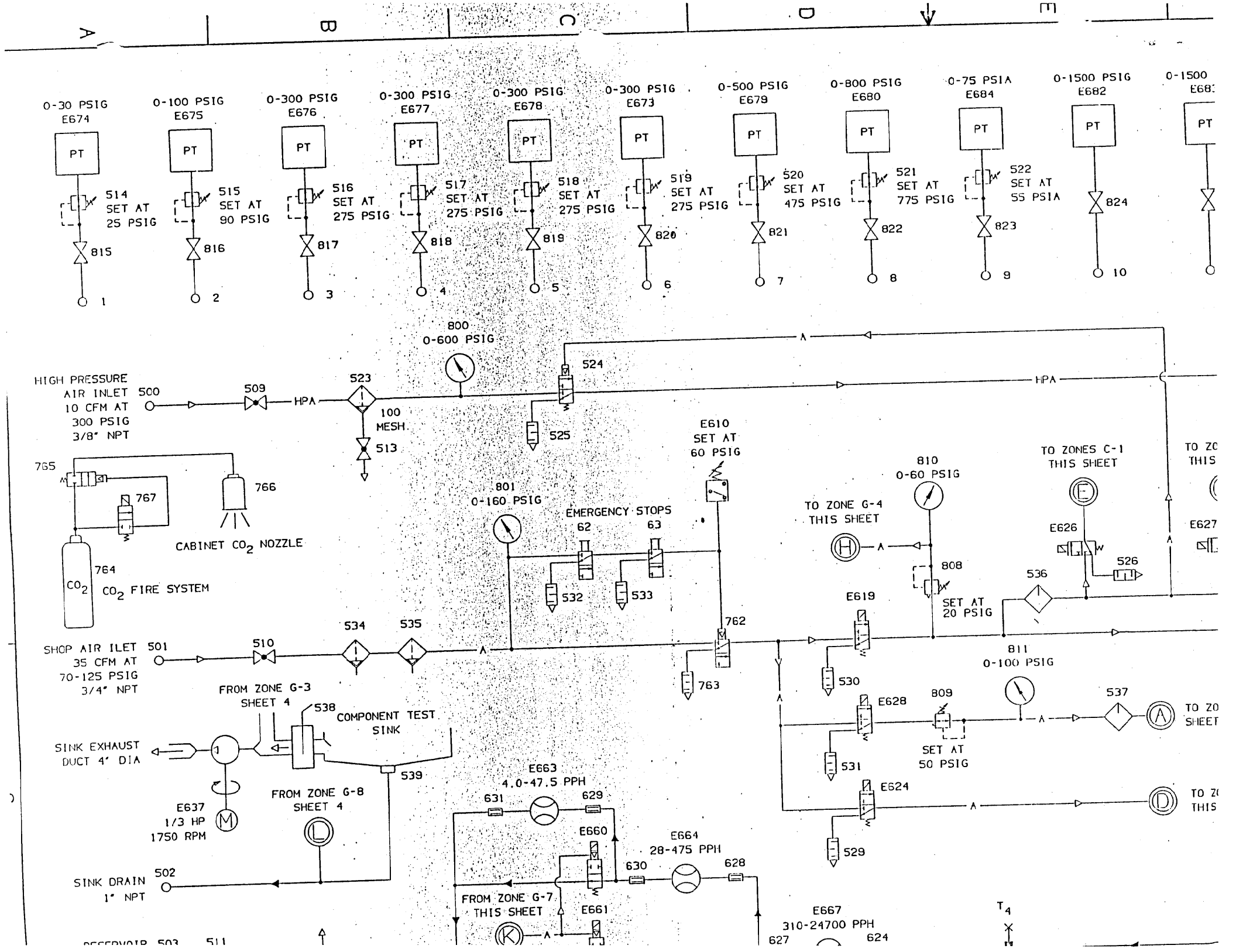
G

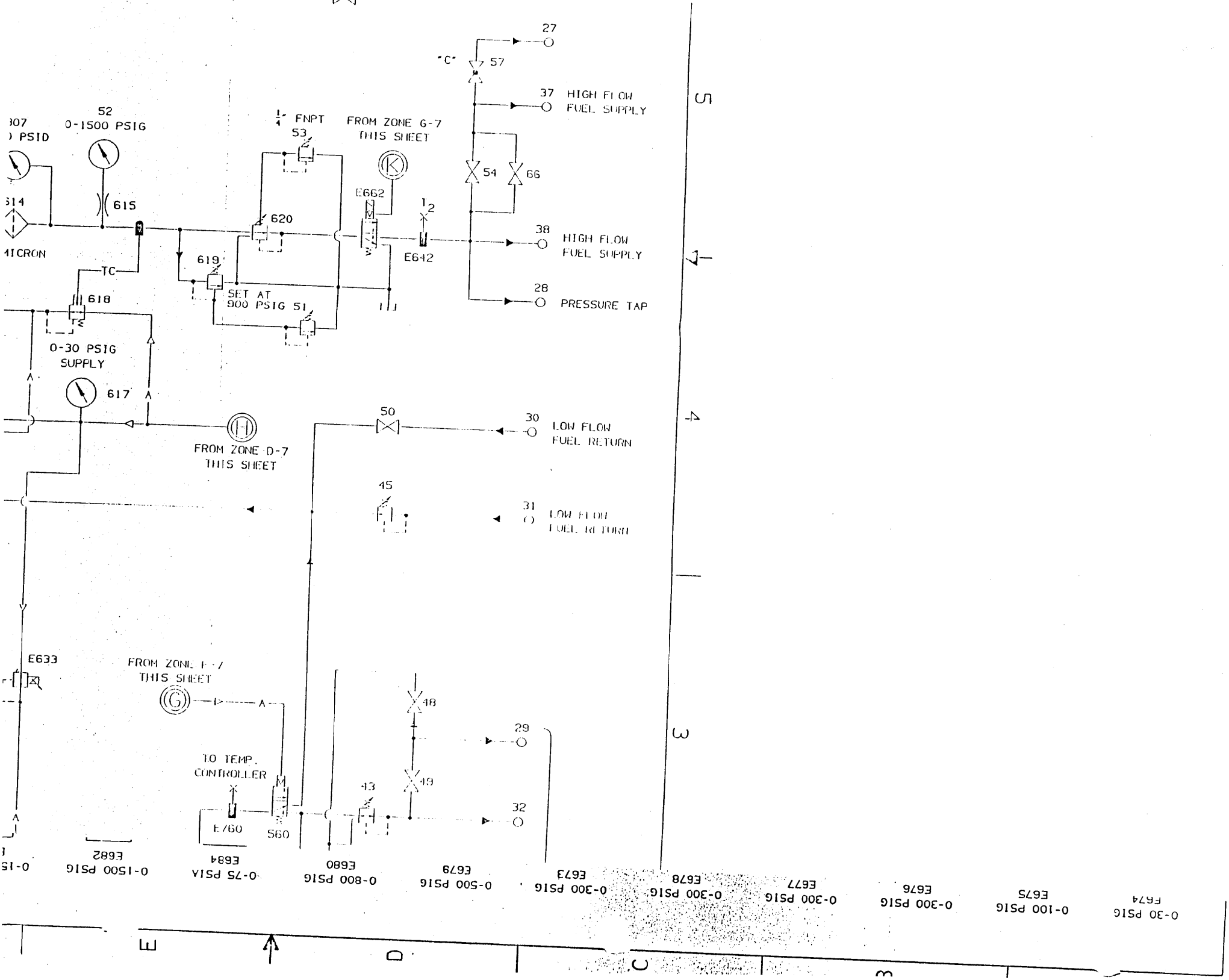
E8
RESERVOIR
LEVEL

R

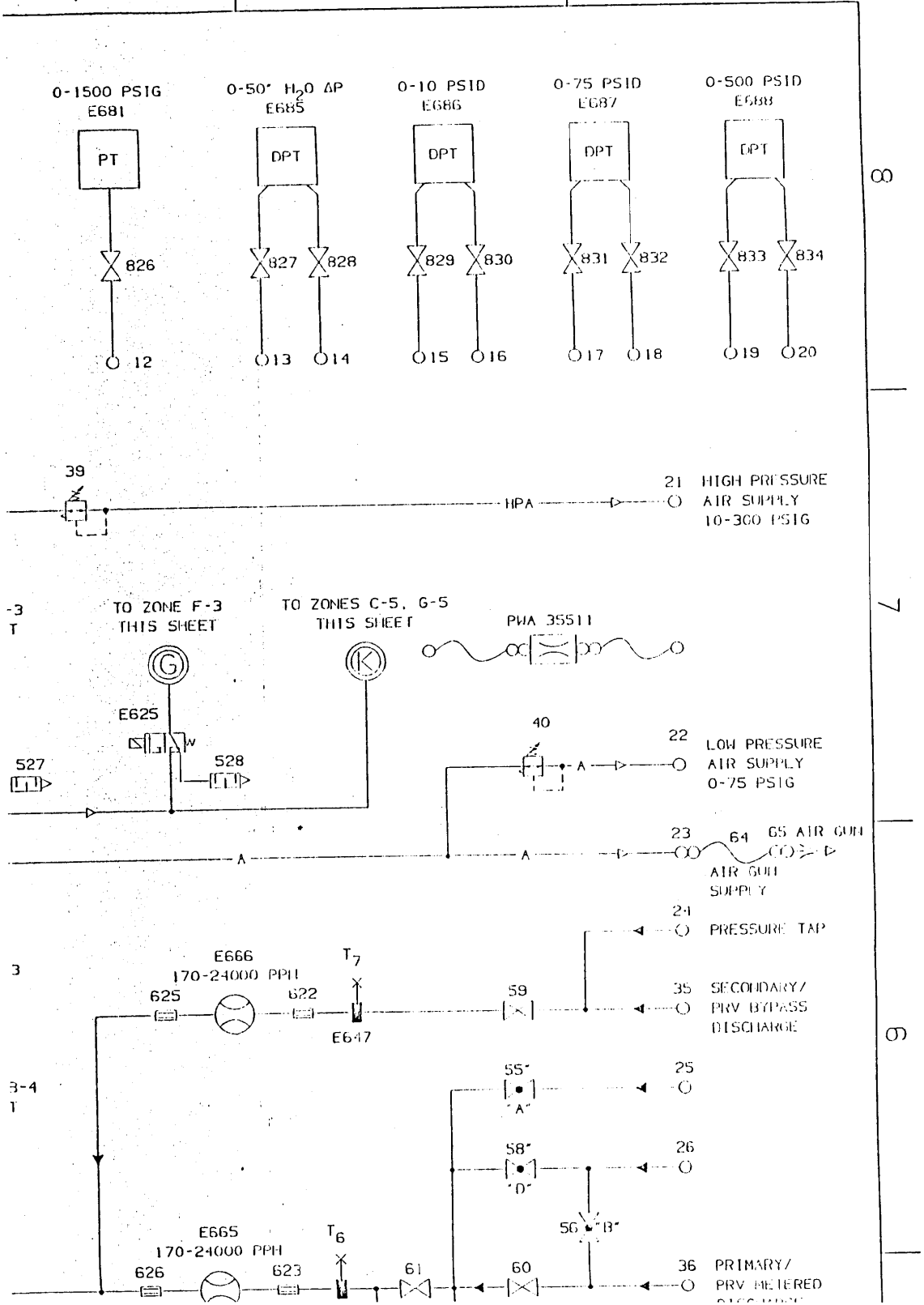
E13
FAULT
RESET

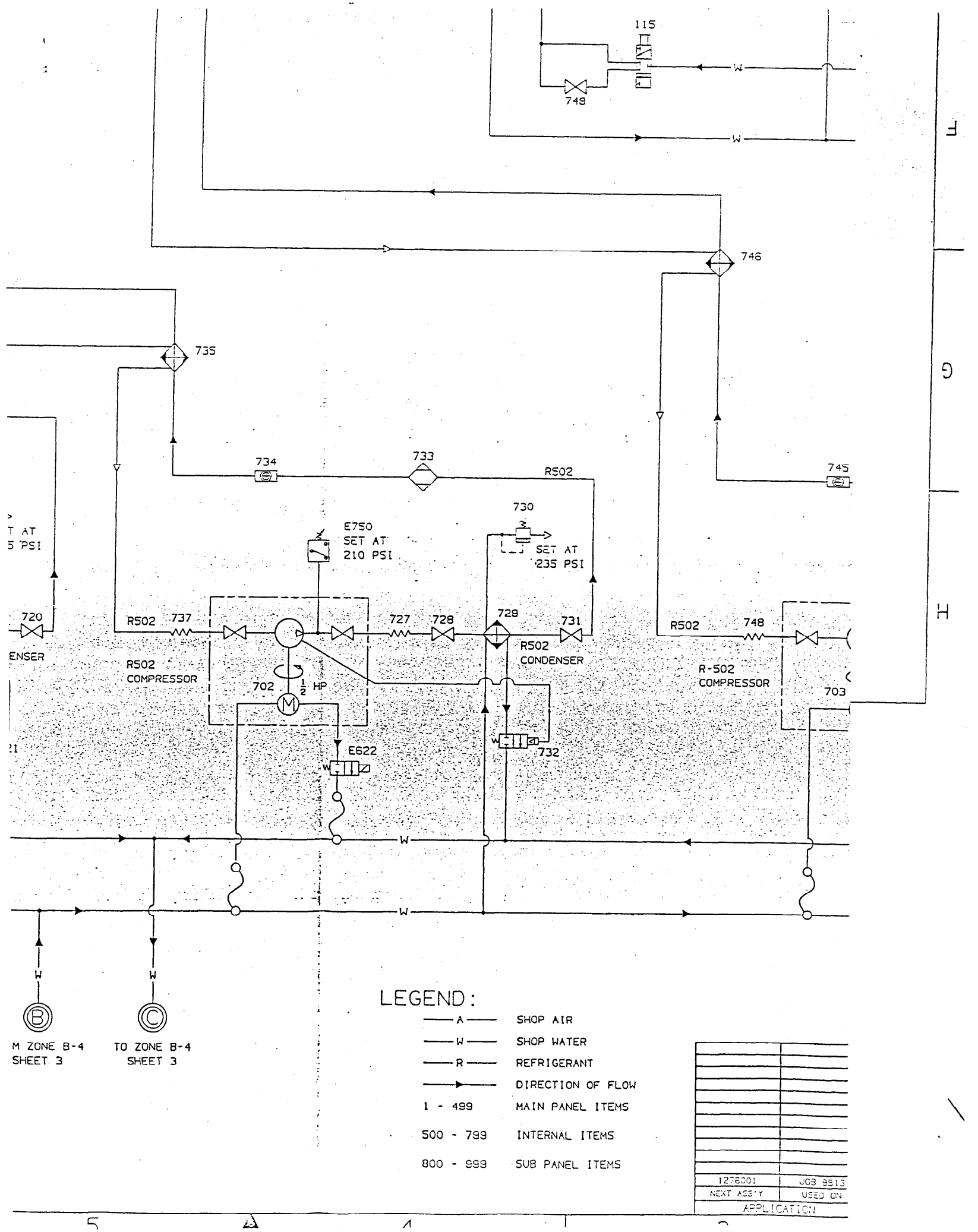
F

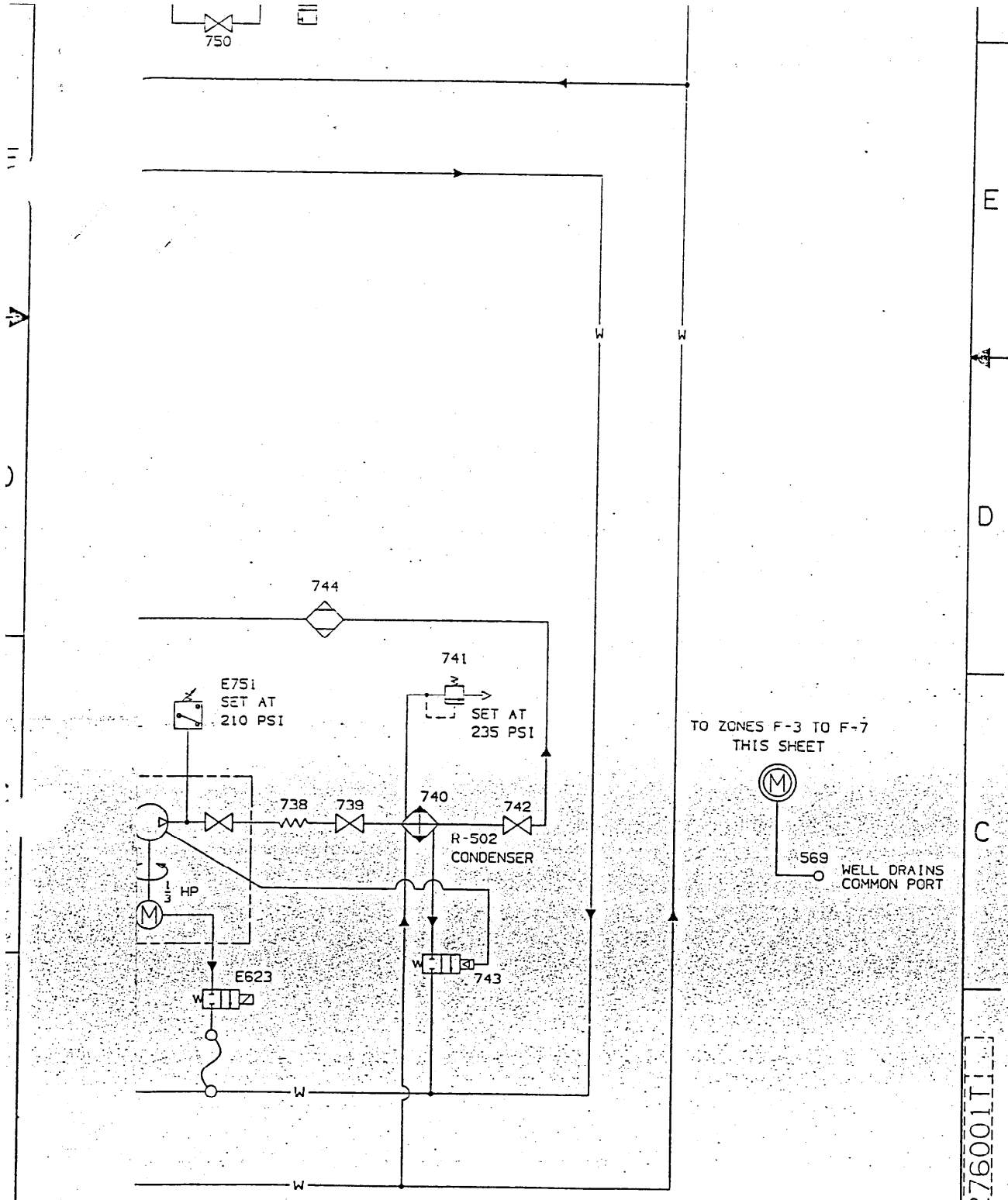

A
B
C
D
0-30 PSIG
E674
0-100 PSIG
E675
0-300 PSIG
E676
0-300 PSIG
E677
0-300 PSIG
E678
0-300 PSIG
E673
0-500 PSIG
E679
0-800 PSIG
E680
0-75 PSIA
E684
0-1500 PSIG
E682
PT
514
SET AT
25 PSIG
515
SET AT
90 PSIG
516
SET AT
275 PSIG
517
SET AT
275 PSIG
518
SET AT
275 PSIG
519
SET AT
275 PSIG
520
SET AT
475 PSIG
521
SET AT
775 PSIG
522
SET AT
55 PSIA
815
816
817
818
819
820
821
822
823
824
1
2
3
4
5
6
7
8
9
10
800
0-600 PSIG
524
HIGH PRESSURE
AIR INLET
10 CFM AT
300 PSIG
3/8" NPT
500
509
HPA
523
100
MESH
513
525
765
767
766
CABINET CO_2 NOZZLE
764
CO_2
CO_2 FIRE SYSTEM
801
0-160 PSIG
EMERGENCY STOPS
62
63
532
533
E610
SET AT
60 PSIG
762
763
810
0-60 PSIG
TO ZONE G-4
THIS SHEET
808
SET AT
20 PSIG
TO ZONES C-1
THIS SHEET
E626
526
536
E627
E619
530
SHOP AIR ILET
35 CFM AT
70-125 PSIG
3/4" NPT
501
510
534
535
FROM ZONE G-3
SHEET 4
538
COMPONENT TEST
SINK
539
SINK EXHAUST
DUCT 4" DIA
E637
1/3 HP
1750 RPM
FROM ZONE G-8
SHEET 4
SINK DRAIN
1" NPT
502
E628
809
SET AT
50 PSIG
811
0-100 PSIG
537
531
E624
529
E663
4.0-47.5 PPH
631
629
E660
E664
28-475 PPH
630
628
FROM ZONE G-7
THIS SHEET
E661
E667
310-24700 PPH
627
624
HPA



27
"C"
57
37
HIGH FLOW
FUEL SUPPLY
52
0-1500 PSIG
1/4" FNPT
53
FROM ZONE G-7
THIS SHEET
54
66
615
620
E662
T2
38
HIGH FLOW
FUEL SUPPLY
MICRON
619
E642
TC
SET AT
900 PSIG 51
28
PRESSURE TAP
618
0-30 PSIG
SUPPLY
617
50
30
LOW FLOW
FUEL RETURN
FROM ZONE D-7
THIS SHEET
45
31
LOW FLOW
FUEL RETURN
E633
FROM ZONE F-7
THIS SHEET
48
29
TO TEMP.
CONTROLLER
49
43
32
E760
560
0-1500 PSIG
E682
0-75 PSIA
E684
0-800 PSIG
E680
0-500 PSIG
E679
0-300 PSIG
E673
0-300 PSIG
E678
0-300 PSIG
E677
0-300 PSIG
E676
0-100 PSIG
E675
0-30 PSIG
E674


0-1500 PSIG
E681
PT
826
12
0-50" H_2O ΔP
E685
DPT
827
828
13
14
0-10 PSID
E686
DPT
829
830
15
16
0-75 PSID
E687
DPT
831
832
17
18
0-500 PSID
E688
DPT
833
834
19
20
39
HPA
21
HIGH PRESSURE
AIR SUPPLY
10-300 PSIG
TO ZONE F-3
THIS SHEET
TO ZONES C-5, G-5
THIS SHEET
PWA 35511
E625
527
528
40
A
22
LOW PRESSURE
AIR SUPPLY
0-75 PSIG
23
64
65 AIR GUN
AIR GUN
SUPPLY
24
PRESSURE TAP
E666
170-24000 PPH
625
622
T_7
E647
59
35
SECONDARY/
PRV BYPASS
DISCHARGE
55"
"A"
25
58"
"D"
26
56 "B"
E665
170-24000 PPH
626
623
T_6
61
60
36
PRIMARY/
PRV METERED


115
749
W
746
735
734
733
R502
745
730
E750
SET AT
210 PSI
SET AT
235 PSI
720
R502
737
727
728
729
731
R502
748
R502
CONDENSER
R502
COMPRESSOR
702
½ HP
R-502
COMPRESSOR
703
E622
732
W
M ZONE B-4
SHEET 3
TO ZONE B-4
SHEET 3
LEGEND:
A SHOP AIR
W SHOP WATER
R REFRIGERANT
DIRECTION OF FLOW
1 - 499 MAIN PANEL ITEMS
500 - 799 INTERNAL ITEMS
800 - 999 SUB PANEL ITEMS
1278001
JOB 9513
NEXT ASS'Y
USED ON
APPLICATION



QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
N/A	N/A	N/A

MATERIAL: N/A

FINISH: N/A

SIGNATURES		DATE
DWN	A. GERVASI	3-14-89
CHKR	B. CROWELL	5-16-90
ENGR	J. COLEMAN	3-14-89
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

J52 FUEL ACCESSORIES TEST STAND

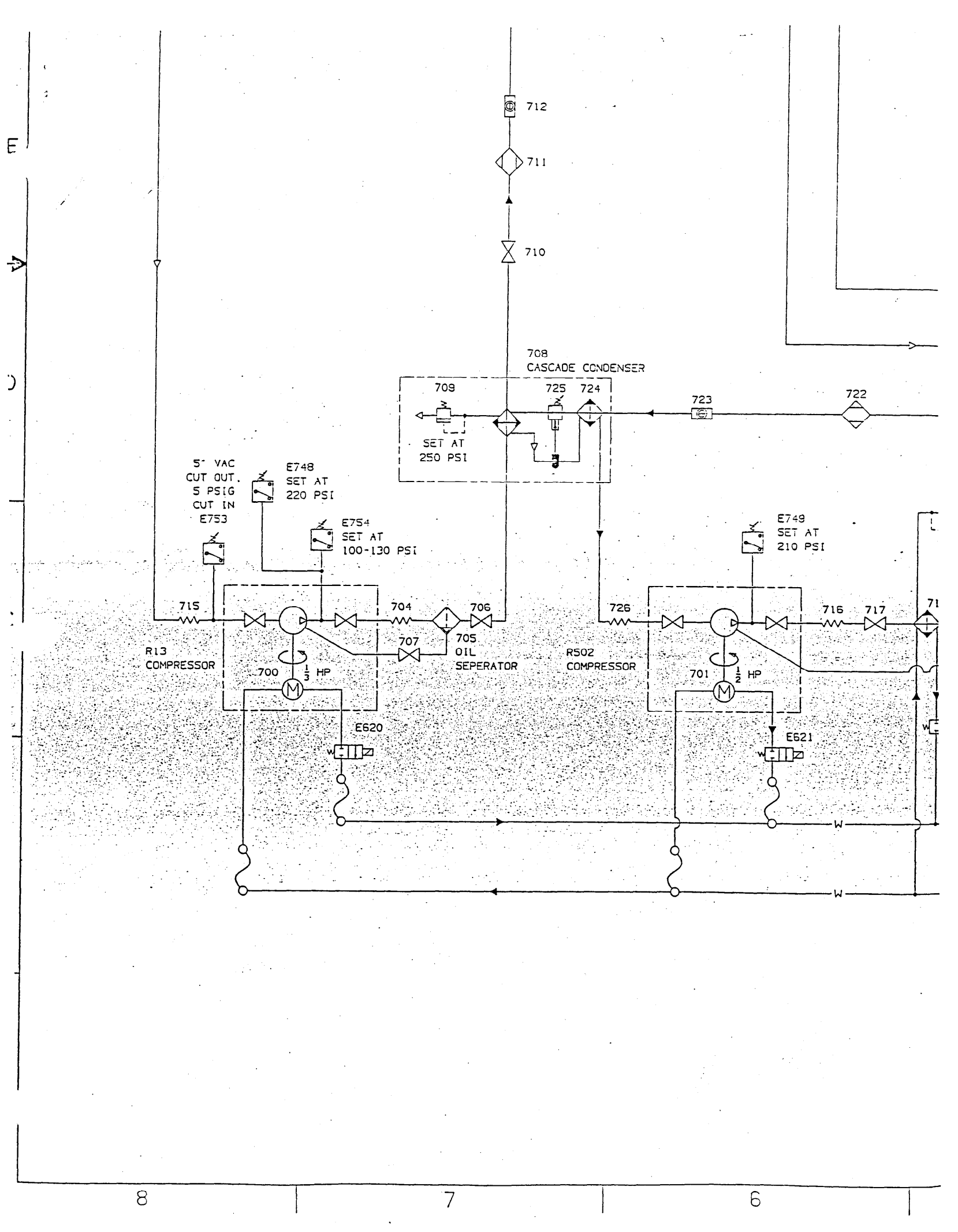
REFRIGERATION SCHEMATIC

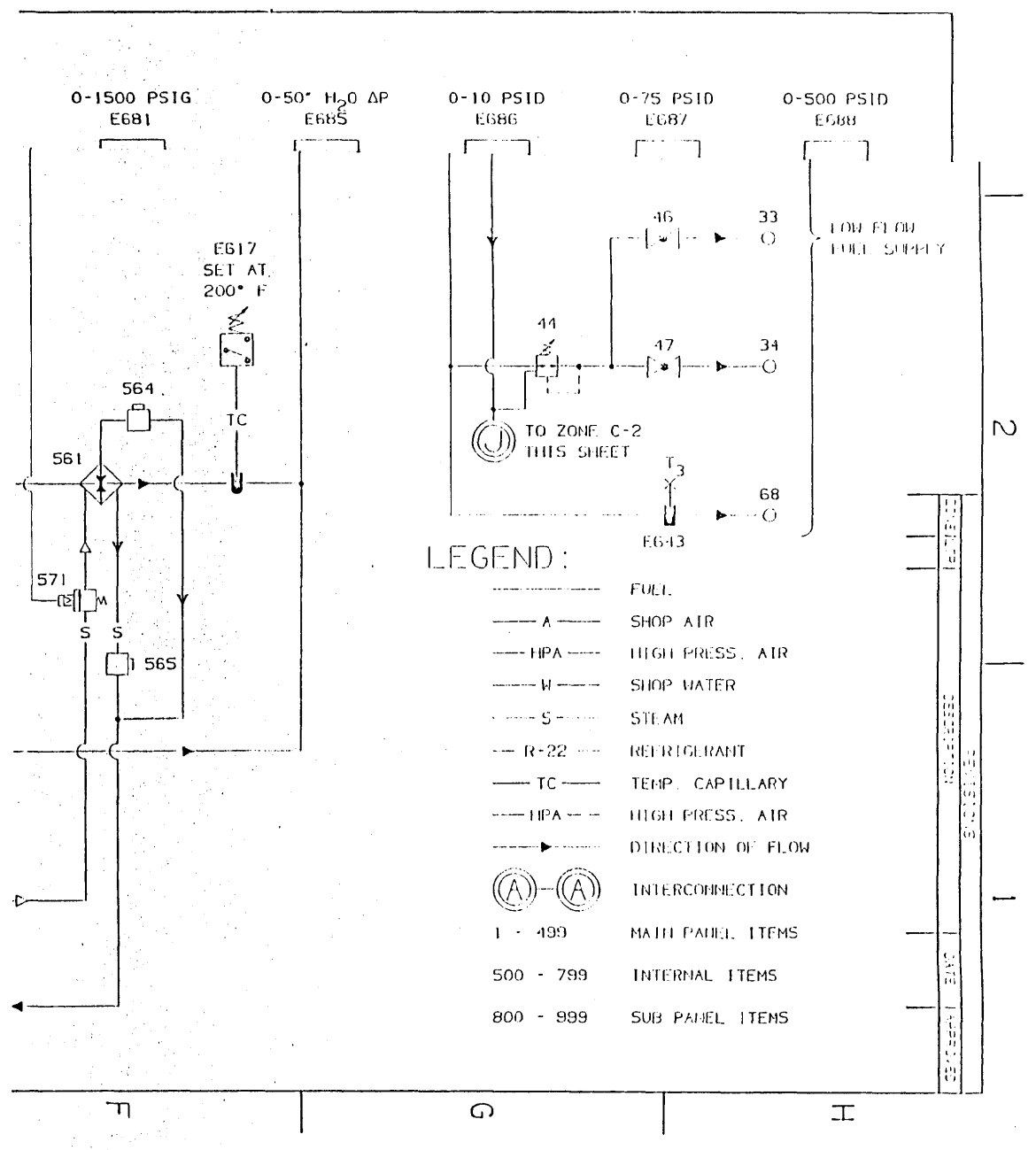
SIZE	FSCM NO.	DWG NO.	REV
E	70882	1276001T	

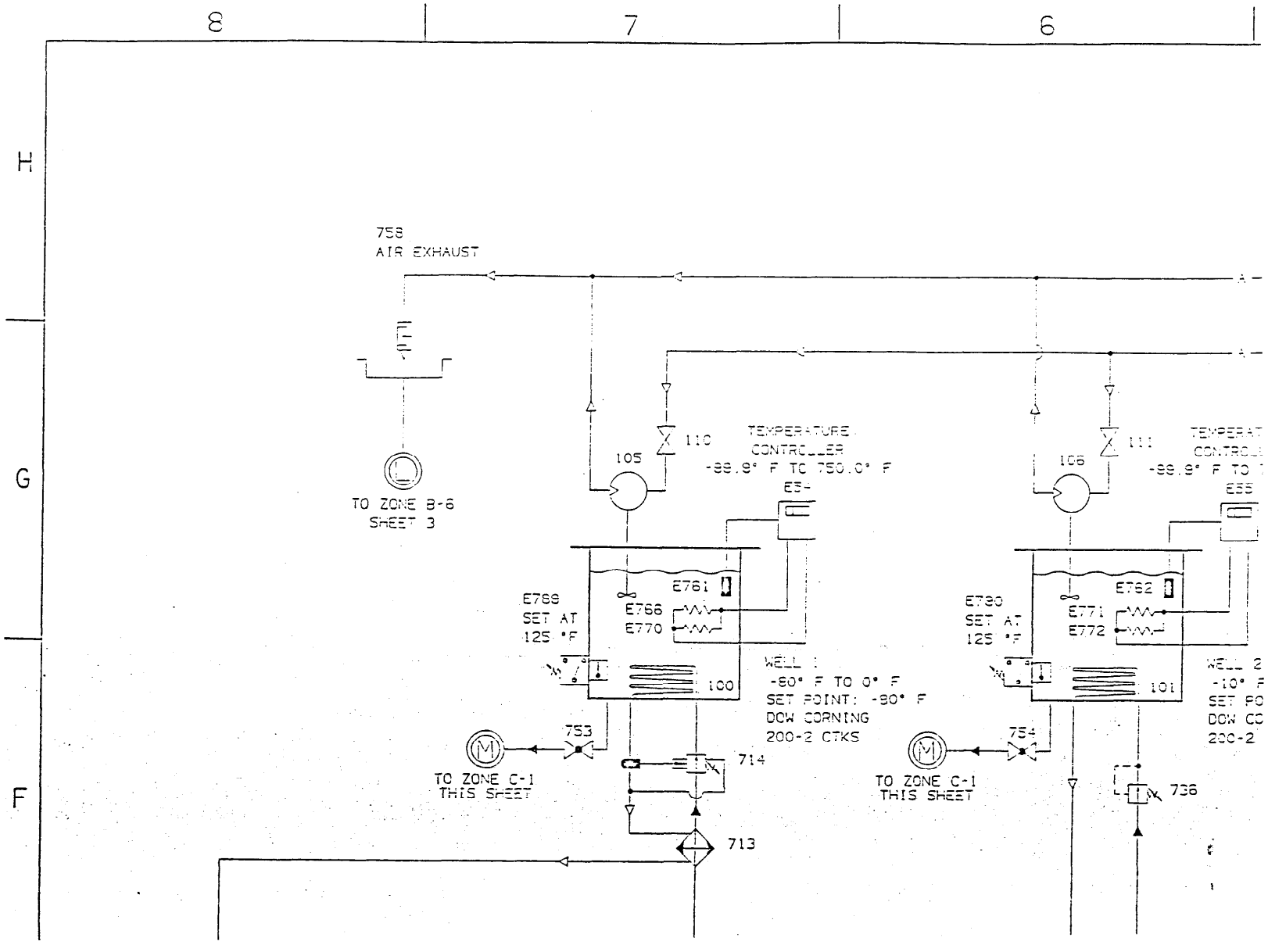
SCALE N/A | WEIGHT N/A | SHEET 4 OF 8

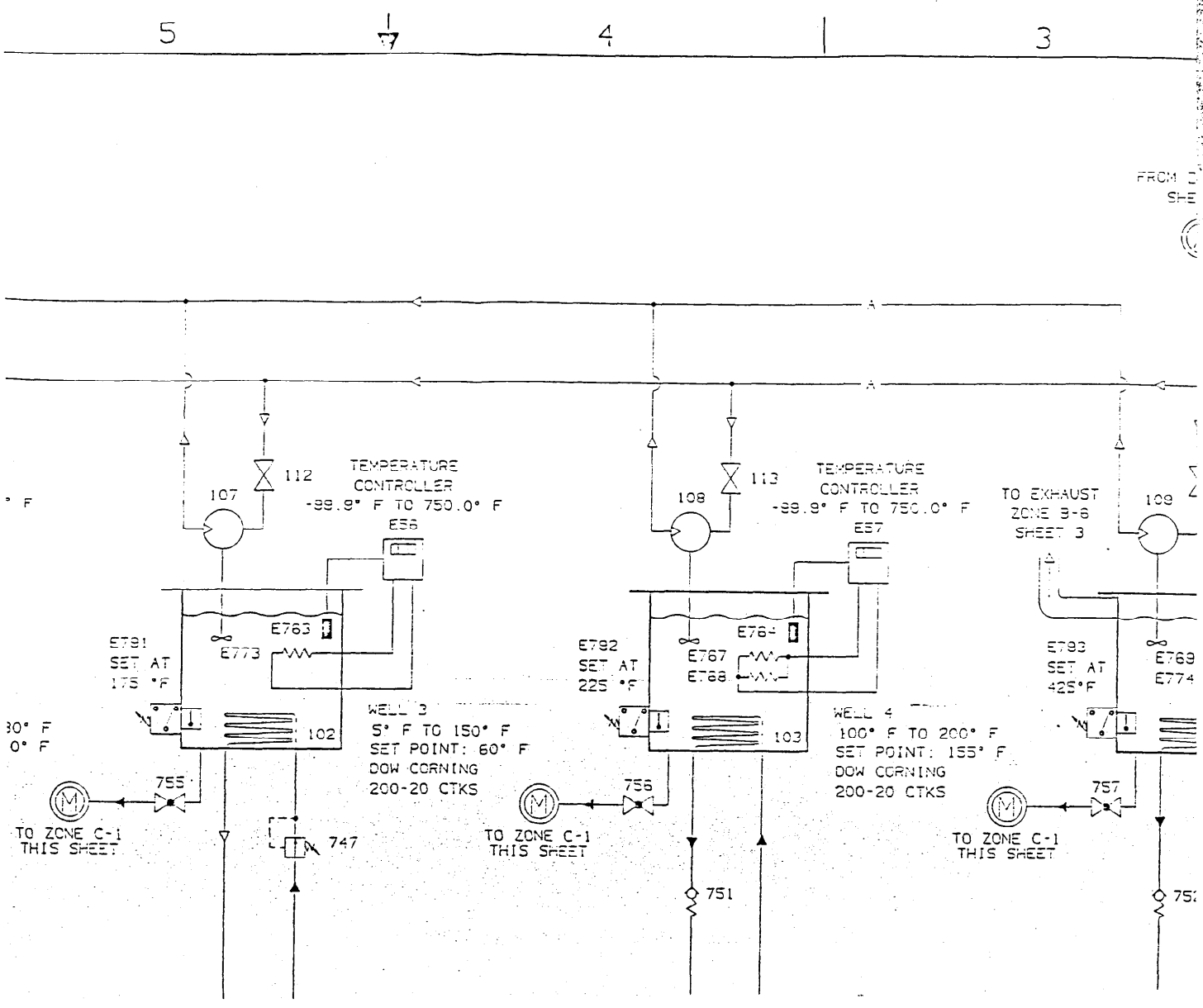
1276001T

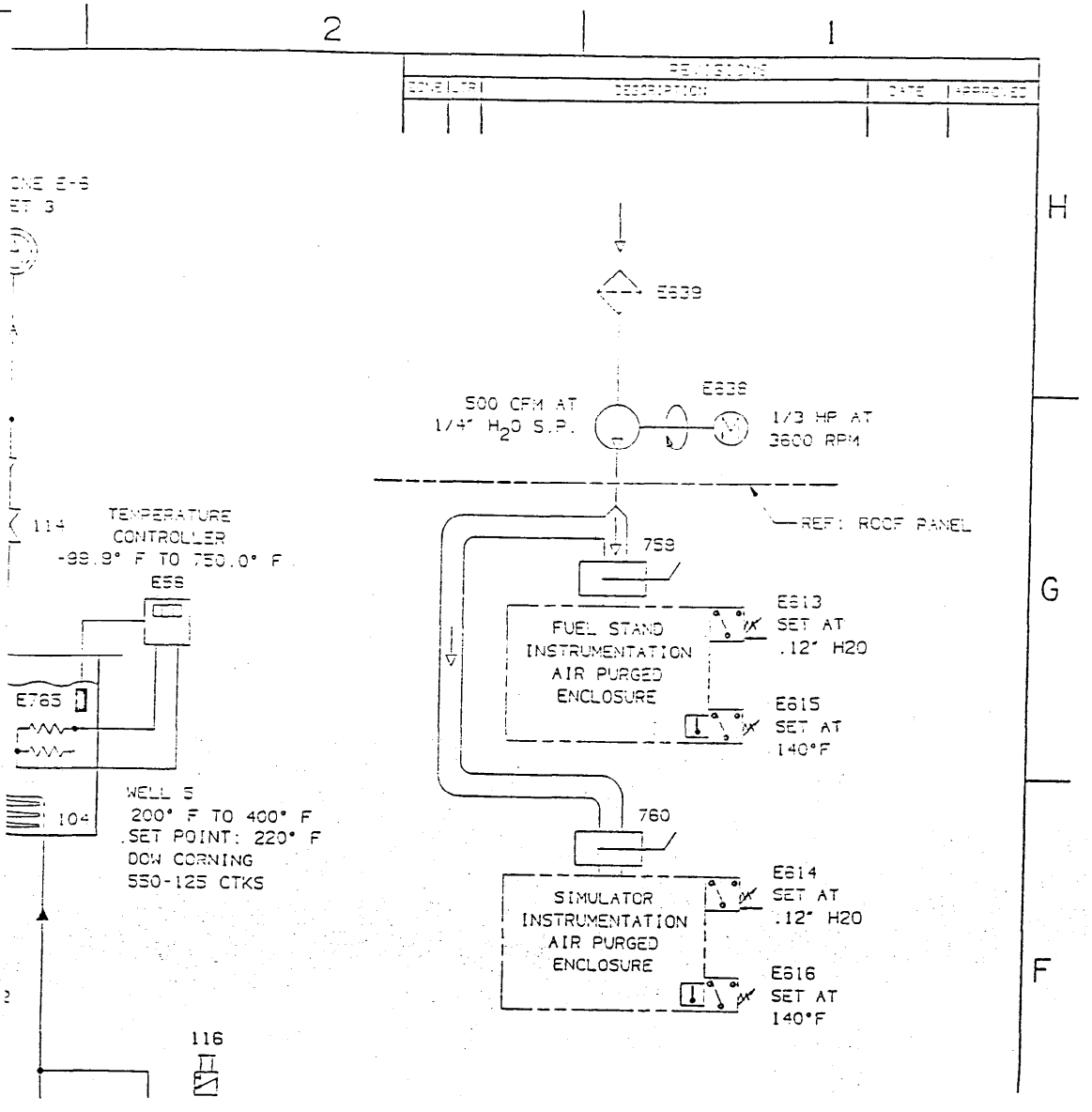
FILE MASTER
5-16-90

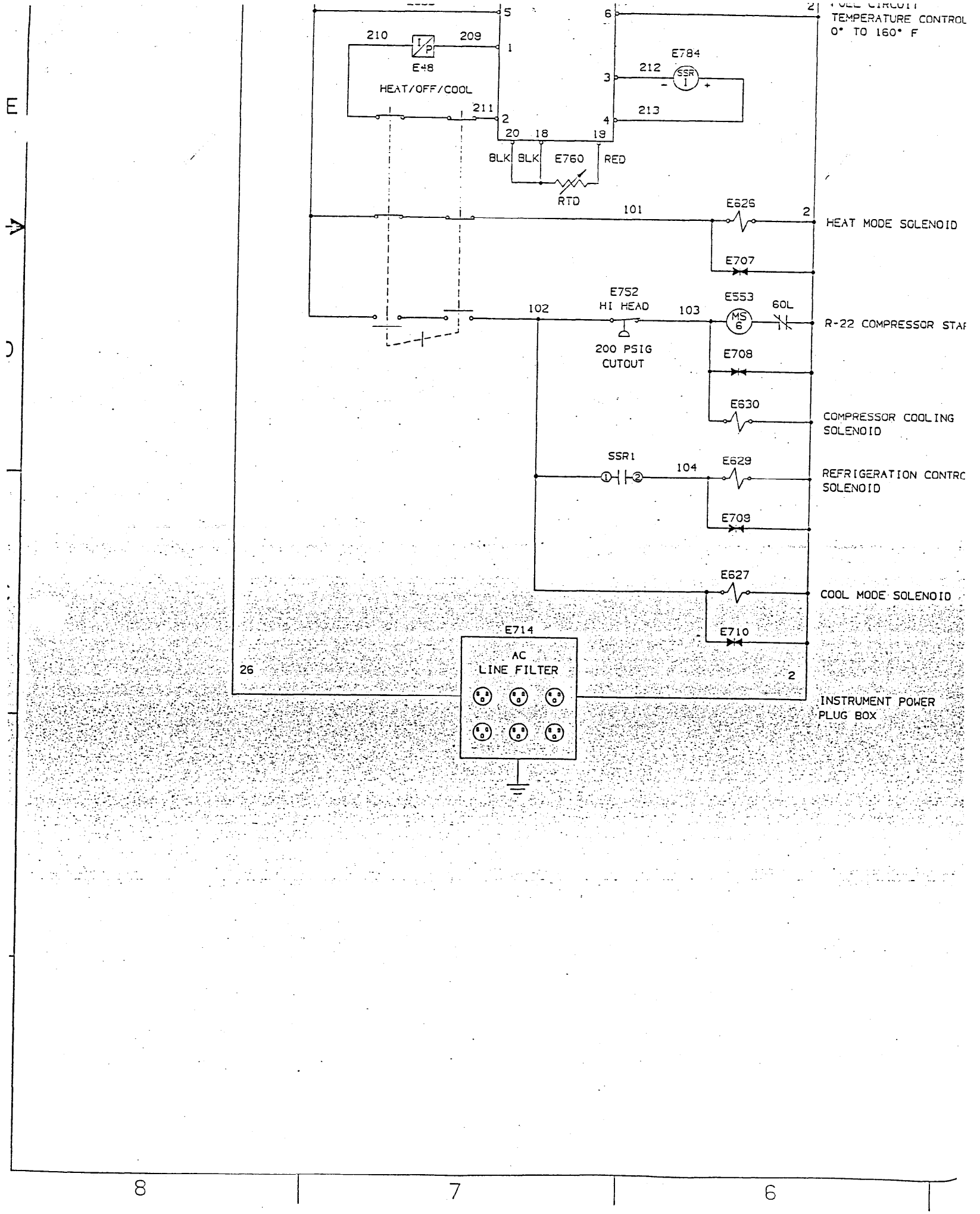

712
711
710
708
CASCADE CONDENSER
709
725
724
723
722
SET AT
250 PSI
5" VAC
CUT OUT.
5 PSIG
CUT IN
E753
E748
SET AT
220 PSI
E754
SET AT
100-130 PSI
E749
SET AT
210 PSI
715
704
706
707
705
OIL
SEPERATOR
726
716
717
R13
COMPRESSOR
700
1/3 HP
R502
COMPRESSOR
701
1/2 HP
E620
E621
W
W
W
8
7
6

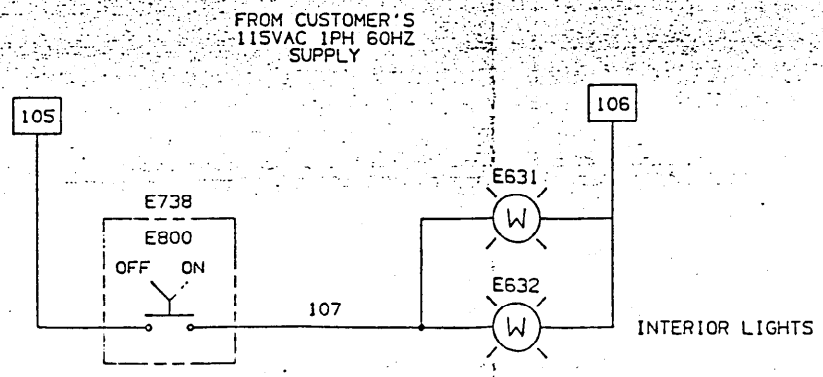

0-1500 PSIG
E681
0-50" H_2O ΔP
E685
0-10 PSID
E686
0-75 PSID
E687
0-500 PSID
E688
E617
SET AT
200° F
TC
564
561
571
S
S
565
46
33
44
47
34
TO ZONE C-2
THIS SHEET
T_3
68
E643
LOW FLOW
FUEL SUPPLY
LEGEND:
FUEL
A
SHOP AIR
HPA
HIGH PRESS. AIR
W
SHOP WATER
S
STEAM
R-22
REFRIGERANT
TC
TEMP. CAPILLARY
HPA
HIGH PRESS. AIR
DIRECTION OF FLOW
A
A
INTERCONNECTION
1 - 499
MAIN PANEL ITEMS
500 - 799
INTERNAL ITEMS
800 - 999
SUB PANEL ITEMS
2
1
F
G
H


8
7
6
H
G
F
758
AIR EXHAUST
TO ZONE B-6
SHEET 3
105
110
TEMPERATURE
CONTROLLER
-99.9° F TO 750.0° F
E768
SET AT
125 °F
E761
E766
E770
100
WELL 1
-80° F TO 0° F
SET POINT: -80° F
DOW CORNING
200-2 CTKS
753
TO ZONE C-1
THIS SHEET
714
713
106
111
E780
SET AT
125 °F
E762
E771
E772
101
754
TO ZONE C-1
THIS SHEET
736


5
4
3
FROM D
SHE
A
A
112
TEMPERATURE
CONTROLLER
-99.9° F TO 750.0° F
E56
107
113
TEMPERATURE
CONTROLLER
-99.9° F TO 750.0° F
E57
108
TO EXHAUST
ZONE B-6
SHEET 3
109
E791
SET AT
175 °F
E763
E773
E792
SET AT
225 °F
E764
E767
E768
E793
SET AT
425°F
E769
E774
WELL 3
5° F TO 150° F
SET POINT: 60° F
DOW CORNING
200-20 CTKS
102
WELL 4
100° F TO 200° F
SET POINT: 155° F
DOW CORNING
200-20 CTKS
103
755
756
757
TO ZONE C-1
THIS SHEET
TO ZONE C-1
THIS SHEET
TO ZONE C-1
THIS SHEET
747
751


2
1
H
G
F
E639
E638
500 CFM AT
1/4" H_2O S.P.
1/3 HP AT
3600 RPM
REF: ROOF PANEL
759
E613
SET AT
.12" H20
FUEL STAND
INSTRUMENTATION
AIR PURGED
ENCLOSURE
E615
SET AT
140°F
760
E614
SET AT
.12" H20
SIMULATOR
INSTRUMENTATION
AIR PURGED
ENCLOSURE
E616
SET AT
140°F
114
TEMPERATURE
CONTROLLER
-99.9° F TO 750.0° F
E58
E765
104
WELL 5
200° F TO 400° F
SET POINT: 220° F
DOW CORNING
550-125 CTKS
116


TEMPERATURE CONTROL
0° TO 160° F
210
209
E48
HEAT/OFF/COOL
211
5
1
2
6
3
4
2
E784
212
SSR
1
213
20
18
19
BLK
BLK
E760
RED
RTD
101
E626
2
HEAT MODE SOLENOID
E707
E752
HI HEAD
102
103
E553
MS
6
60L
R-22 COMPRESSOR STAR
200 PSIG
CUTOUT
E708
E630
COMPRESSOR COOLING
SOLENOID
SSR1
104
E629
REFRIGERATION CONTRO
SOLENOID
E709
E627
COOL MODE SOLENOID
E710
E714
AC
LINE FILTER
26
2
INSTRUMENT POWER
PLUG BOX
E
D
8
7
6



1276C01	JCB 3S1
NEXT ASS'Y	USED O
APPLICATION	

5 4 3

QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
N/A	N/A	N/A

MATERIAL: N/A

FINISH: N/A

SIGNATURES		DATE
DWN	A. GERVASI	3-15-90
CHKR	A. Nowerski	3-20-90
ENGR/	J. KUCZENSKI	3-15-89
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

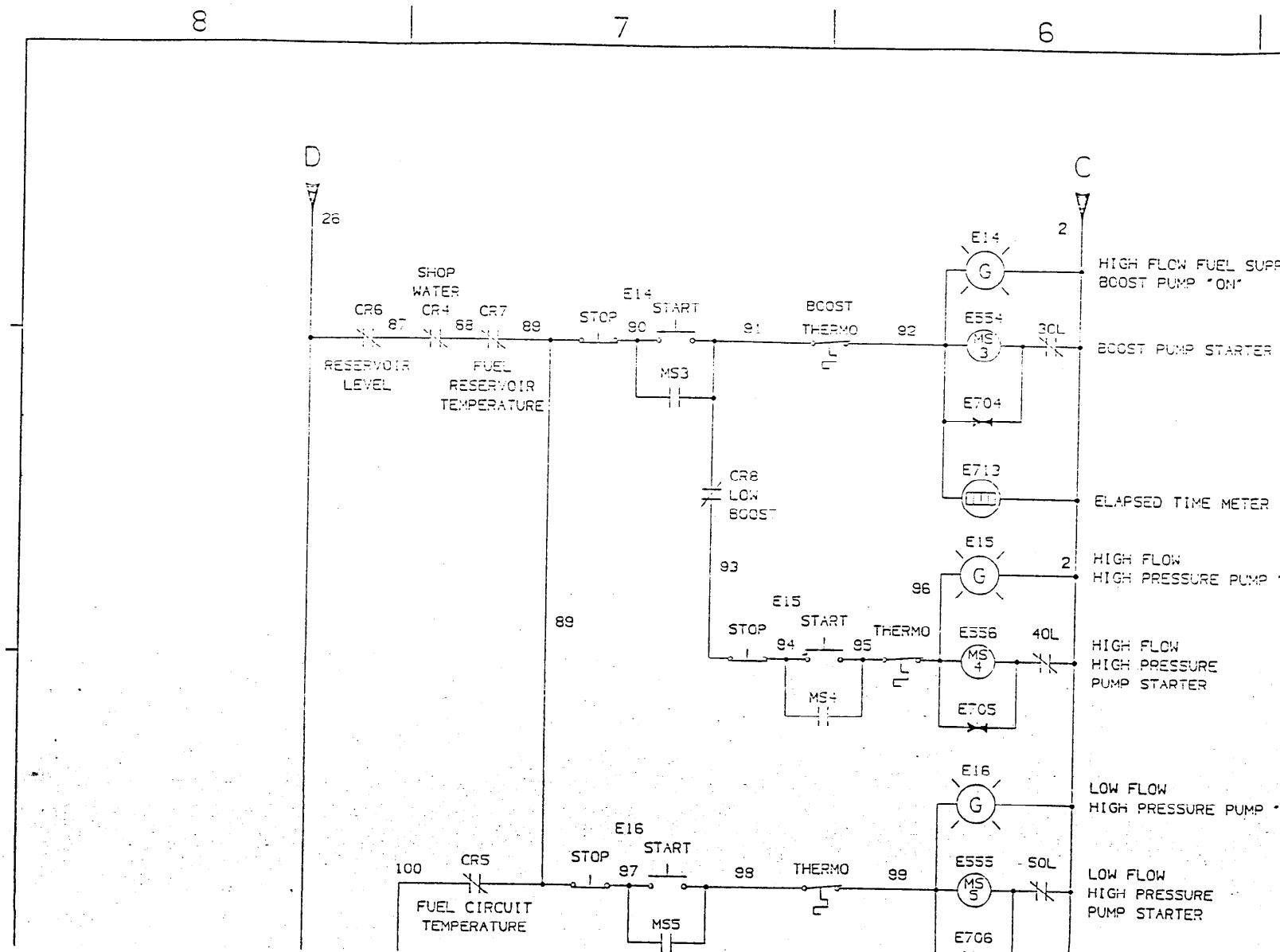
J52 FUEL ACCESSORIES TEST STAND

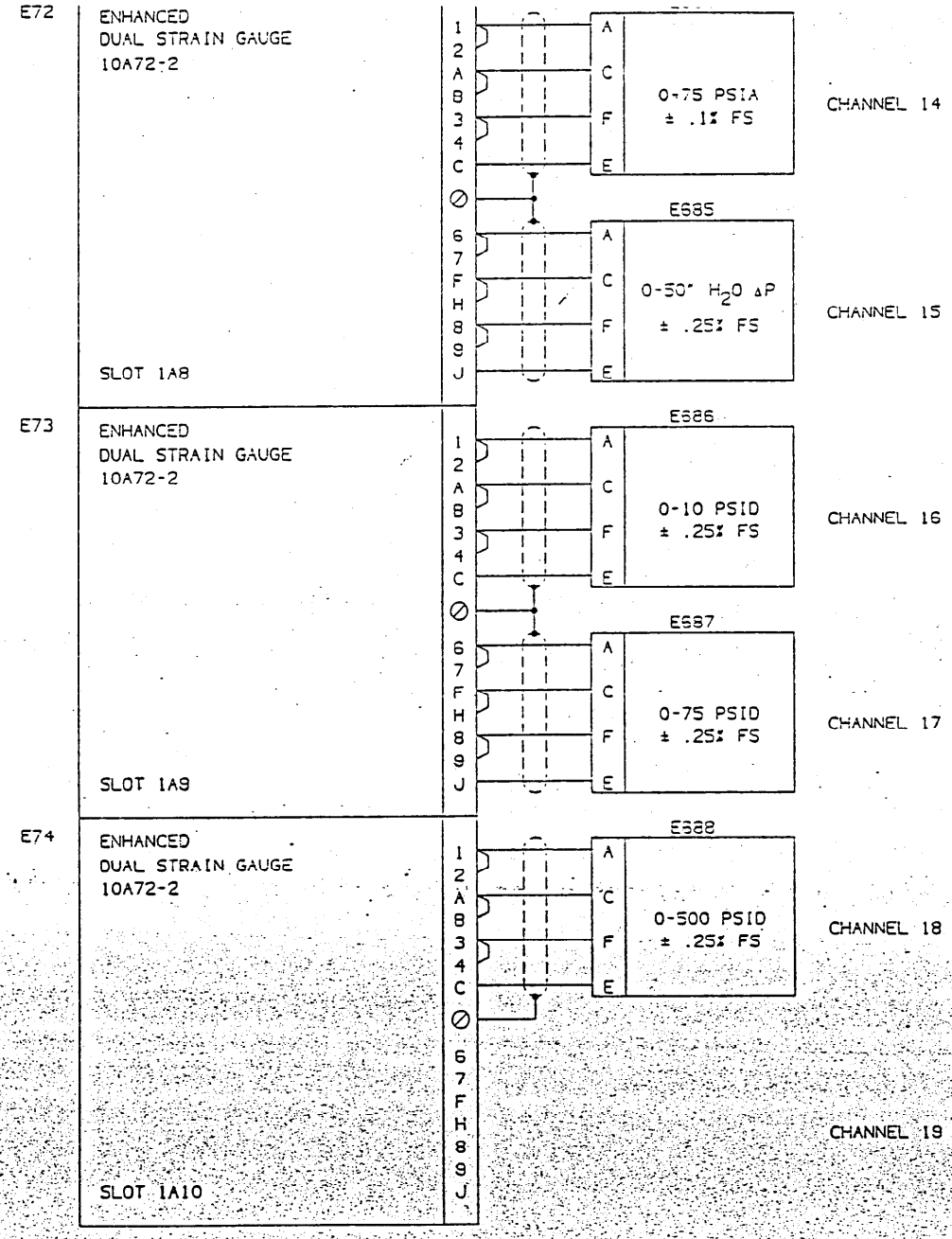
ELECTRICAL SCHEMATIC

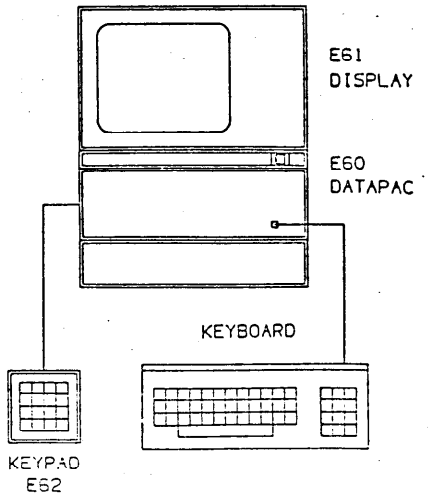
SIZE	FSCM NO.	DWG NO.	REV
E	70882	1276001T	

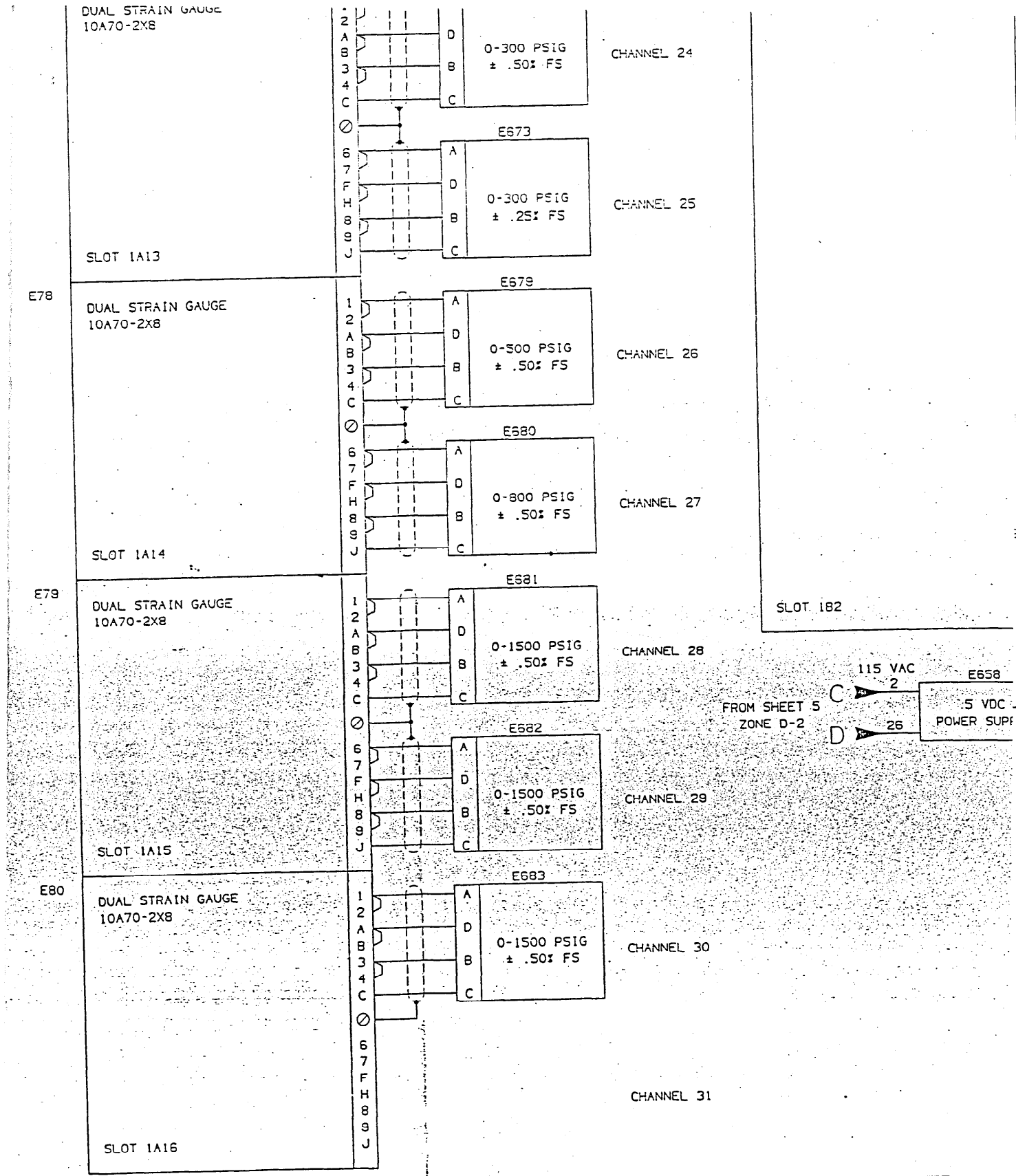
SCALE N/A | WEIGHT N/A | SHEET 6 OF 8

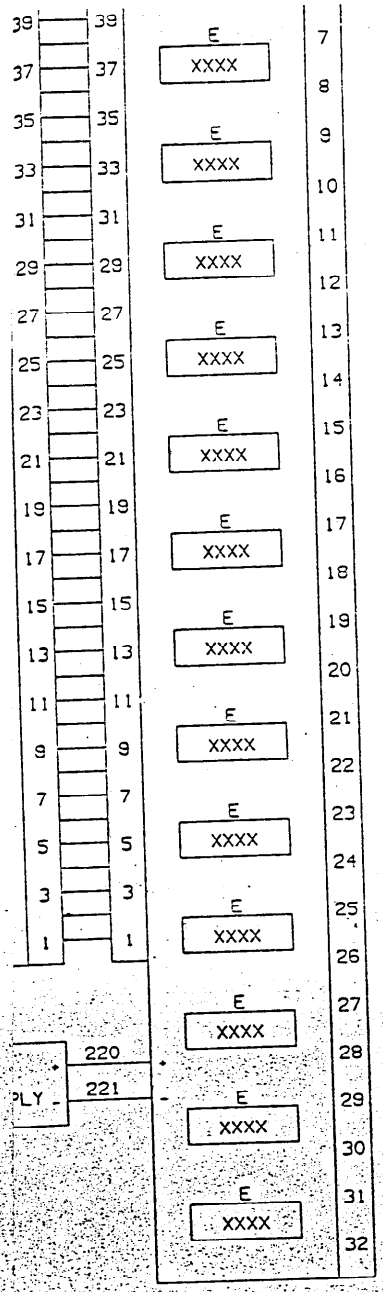
1276001T


8
7
6
D
C
26
2
E14
G
HIGH FLOW FUEL SUPP
BOOST PUMP "ON"
SHOP
WATER
CR6
87
CR4
CR7
88
89
STOP
E14
START
90
91
BOOST
THERMO
92
E554
MS
3
30L
BOOST PUMP STARTER
RESERVOIR
LEVEL
FUEL
RESERVOIR
TEMPERATURE
MS3
E704
CR8
LOW
BOOST
E713
ELAPSED TIME METER
E15
G
2
HIGH FLOW
HIGH PRESSURE PUMP
93
96
E15
STOP
START
94
95
THERMO
E556
MS
4
40L
HIGH FLOW
HIGH PRESSURE
PUMP STARTER
89
MS4
E705
E16
G
LOW FLOW
HIGH PRESSURE PUMP
E16
STOP
START
100
CR5
97
98
THERMO
99
E555
MS
5
50L
LOW FLOW
HIGH PRESSURE
PUMP STARTER
FUEL CIRCUIT
TEMPERATURE
MS5
E706


E72
ENHANCED
DUAL STRAIN GAUGE
10A72-2
SLOT 1A8
1 2 A B 3 4 C ⊘ 6 7 F H 8 9 J
A C F E
0-75 PSIA
± .1% FS
CHANNEL 14
E685
0-50" H2O ΔP
± .25% FS
CHANNEL 15
E73
ENHANCED
DUAL STRAIN GAUGE
10A72-2
SLOT 1A9
E686
0-10 PSID
± .25% FS
CHANNEL 16
E687
0-75 PSID
± .25% FS
CHANNEL 17
E74
ENHANCED
DUAL STRAIN GAUGE
10A72-2
SLOT 1A10
E688
0-500 PSID
± .25% FS
CHANNEL 18
CHANNEL 19


E61
DISPLAY
E60
DATAPAC
KEYBOARD
KEYPAD
E62


DUAL STRAIN GAUGE
10A70-2X8
SLOT 1A13
E78
DUAL STRAIN GAUGE
10A70-2X8
SLOT 1A14
E79
DUAL STRAIN GAUGE
10A70-2X8
SLOT 1A15
E80
DUAL STRAIN GAUGE
10A70-2X8
SLOT 1A16
E673
0-300 PSIG
± .50% FS
CHANNEL 24
0-300 PSIG
± .25% FS
CHANNEL 25
E679
0-500 PSIG
± .50% FS
CHANNEL 26
E680
0-800 PSIG
± .50% FS
CHANNEL 27
E681
0-1500 PSIG
± .50% FS
CHANNEL 28
E682
0-1500 PSIG
± .50% FS
CHANNEL 29
E683
0-1500 PSIG
± .50% FS
CHANNEL 30
CHANNEL 31
SLOT 1B2
115 VAC
E658
FROM SHEET 5
ZONE D-2
5 VDC
POWER SUP
1276001
NEXT ASS'Y
APPLICATION
5
4
3



QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
N/A	N/A	N/A

MATERIAL: N/A

FINISH: N/A

SIGNATURES		DATE
DWN	A. GERVASI	3-15-90
CHKR	[illegible]	5-23-90
ENGR	J. KUCZENSKI	3-15-89
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

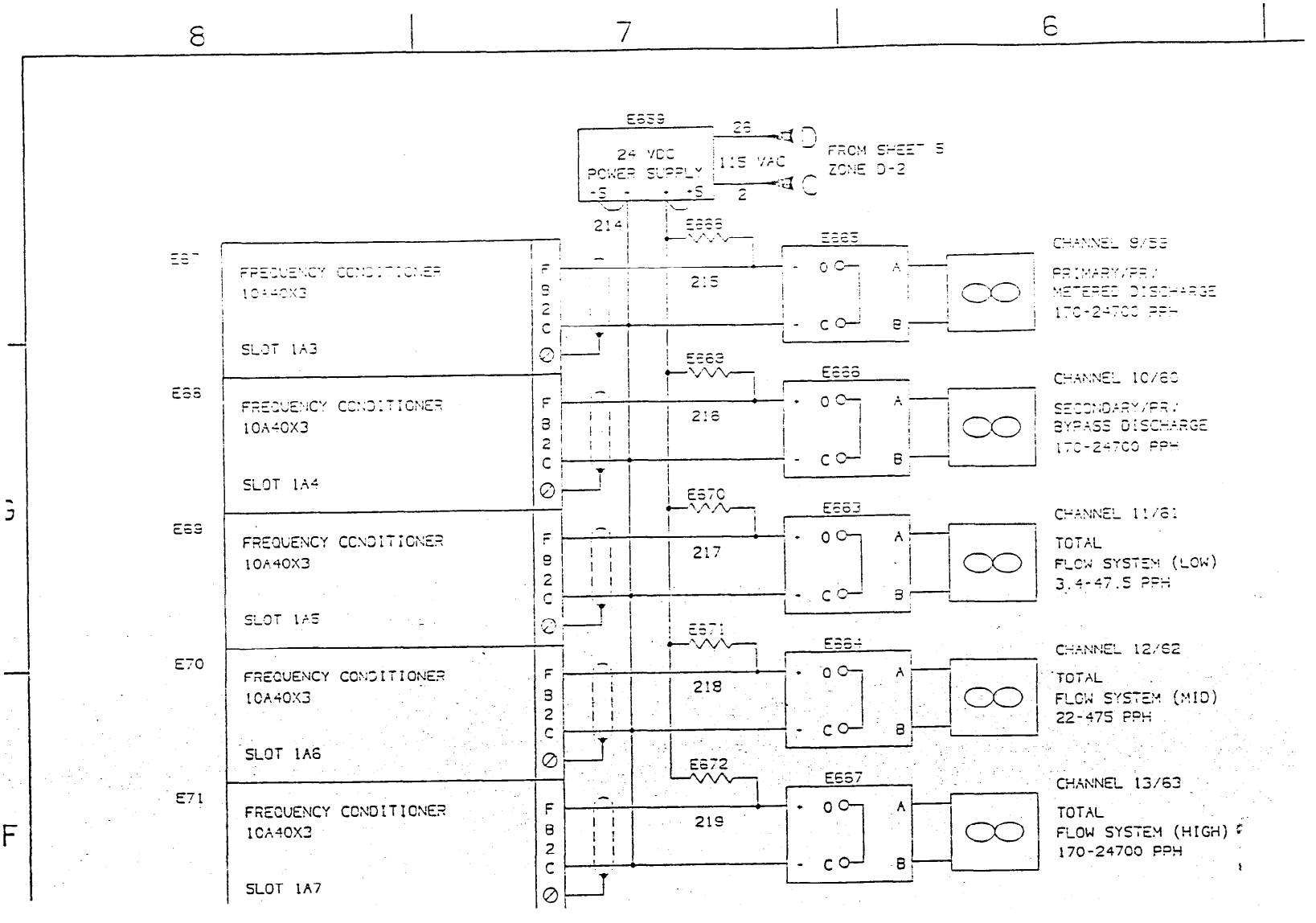
J52 FUEL ACCESSORIES TEST STAND

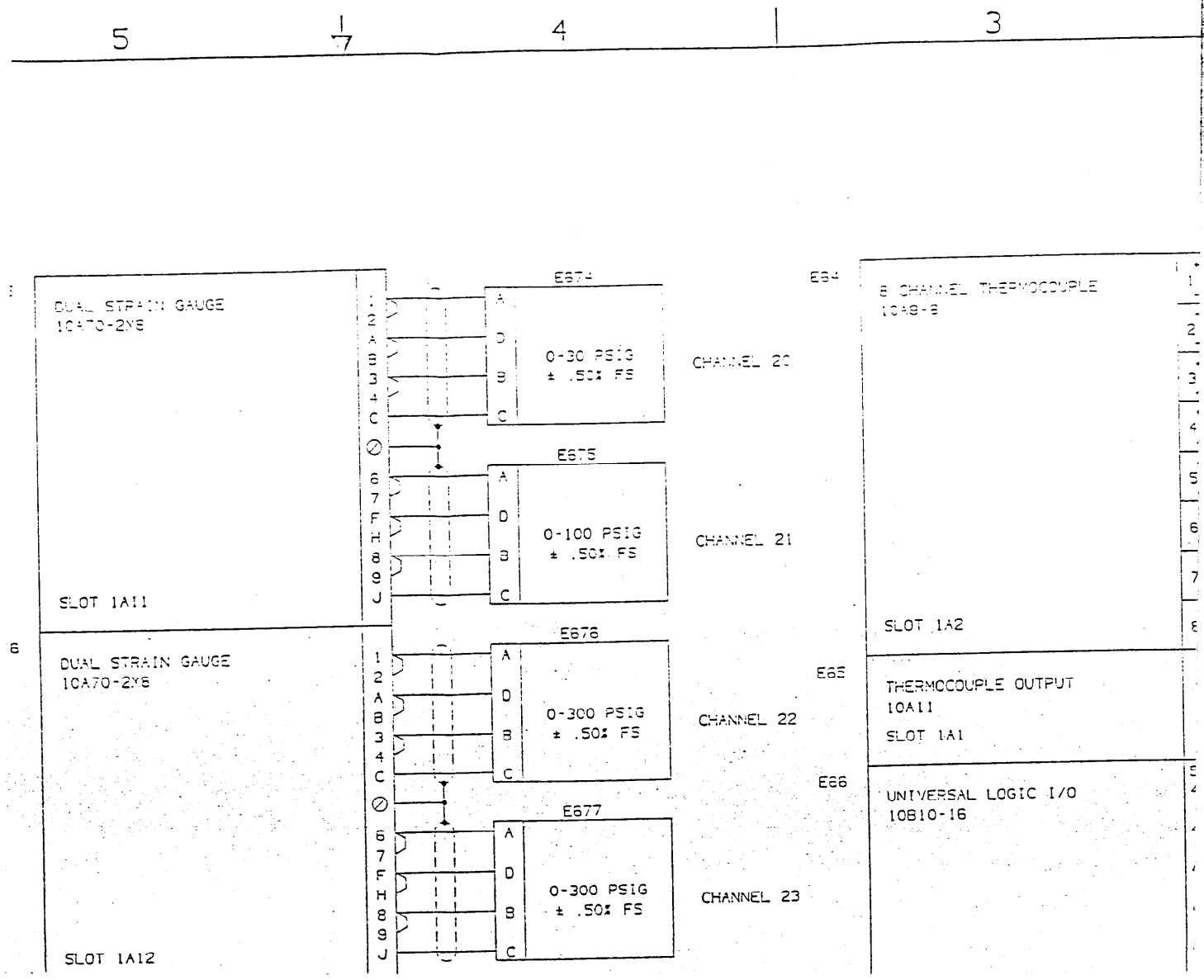
ELECTRICAL SCHEMATIC

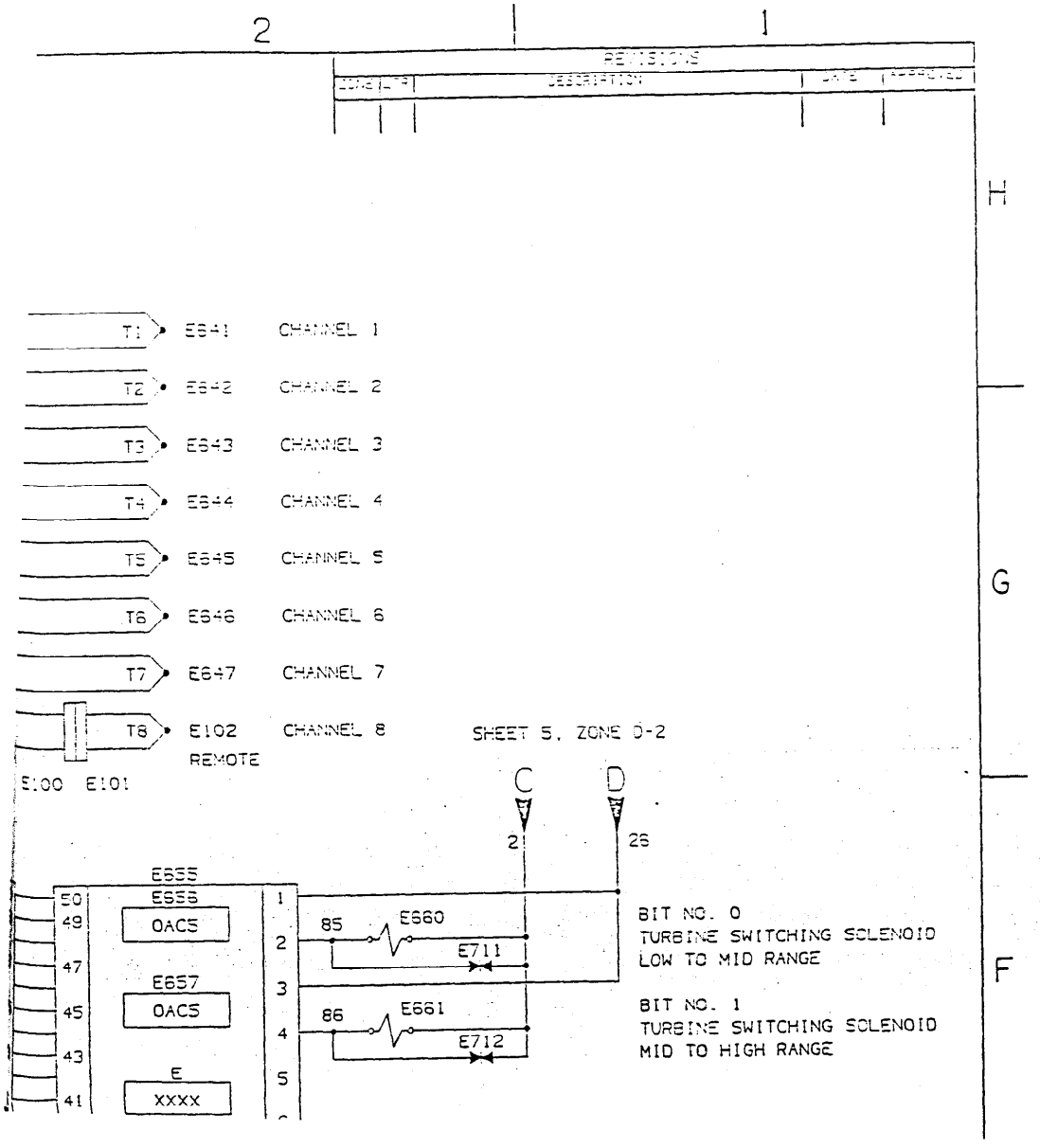
SIZE	FSCM NO.	DWG NO.	REV
E	70882	1278001T	

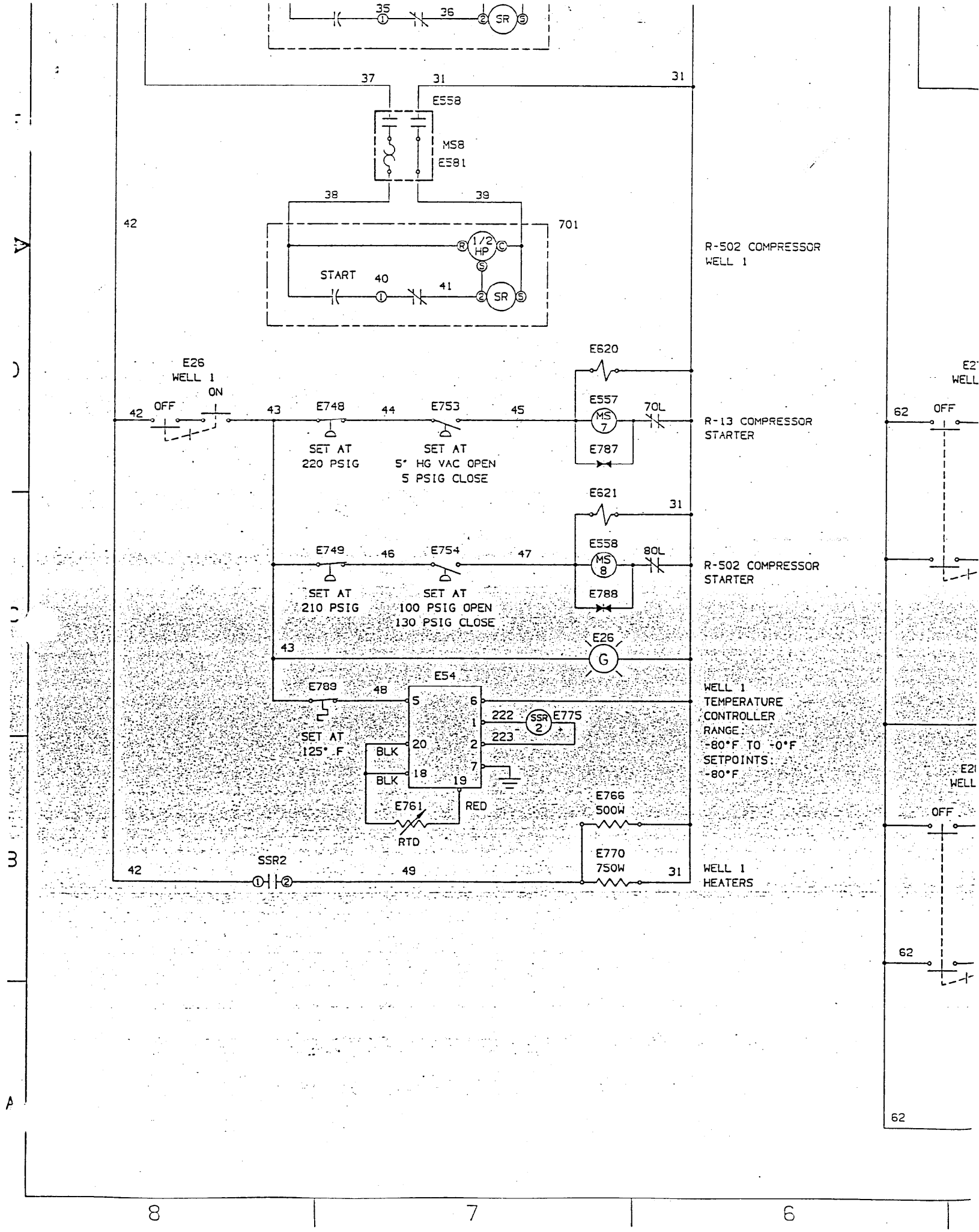
SCALE N/A | WEIGHT N/A | SHEET 7 OF 8

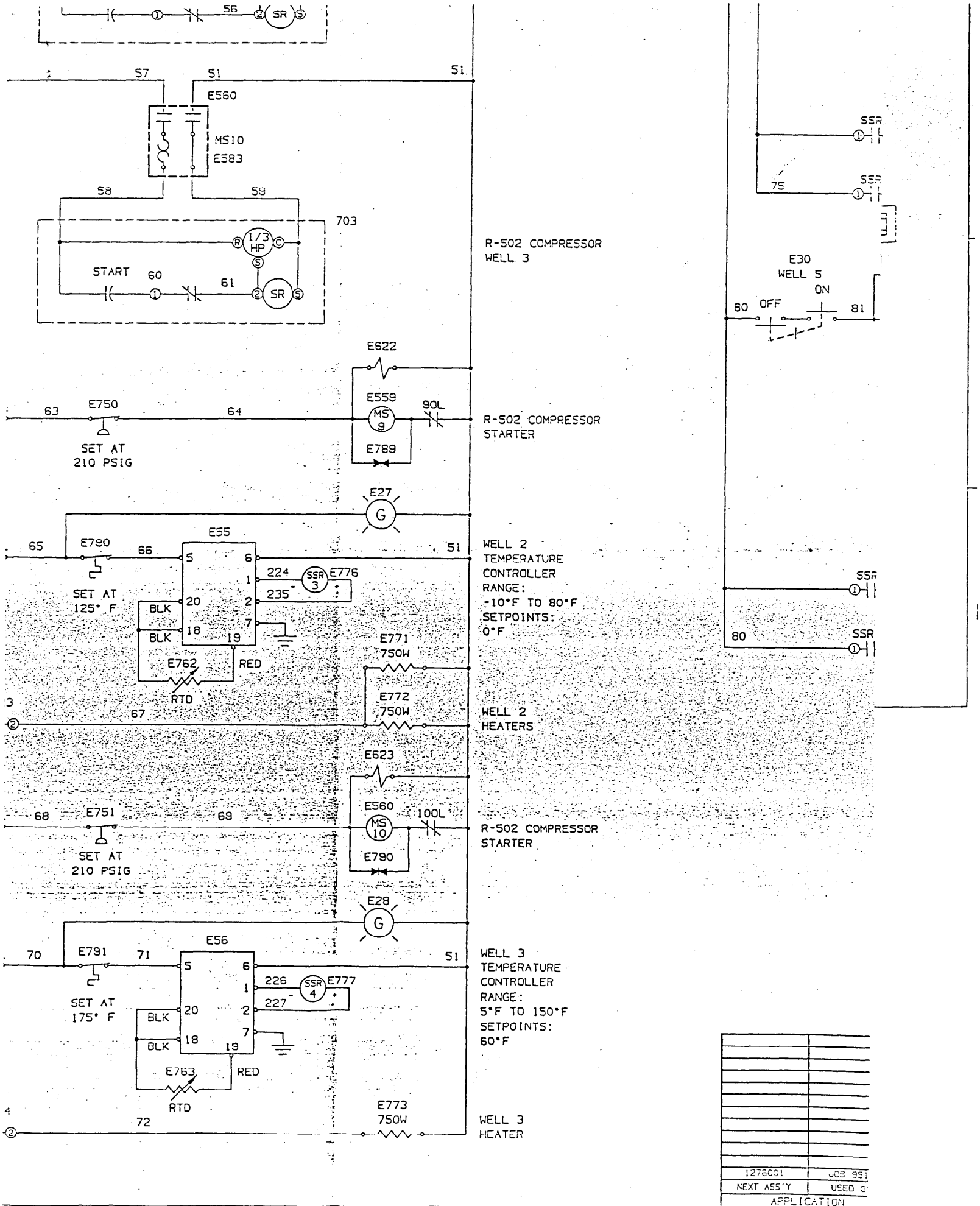
1278001T

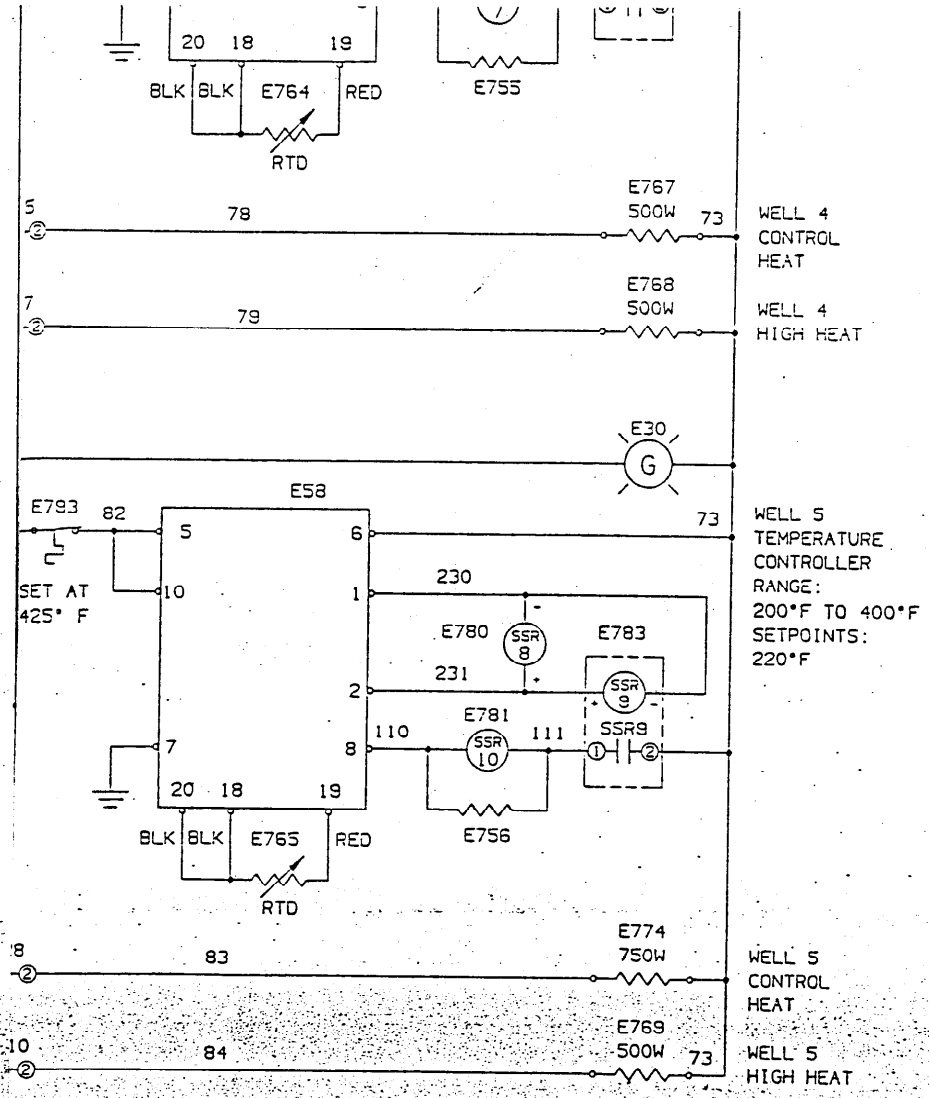

8
7
6
E659
24 VDC
POWER SUPPLY
-S - + +S
26
115 VAC
2
FROM SHEET 5
ZONE D-2
214
E67
FREQUENCY CONDITIONER
10A40X3
SLOT 1A3
E68
FREQUENCY CONDITIONER
10A40X3
SLOT 1A4
E69
FREQUENCY CONDITIONER
10A40X3
SLOT 1A5
E70
FREQUENCY CONDITIONER
10A40X3
SLOT 1A6
E71
FREQUENCY CONDITIONER
10A40X3
SLOT 1A7
F
B
2
C
E668
215
E665
CHANNEL 9/59
PRIMARY/PRV
METERED DISCHARGE
170-24700 PPH
E669
216
E666
CHANNEL 10/60
SECONDARY/PRV
BYPASS DISCHARGE
170-24700 PPH
E670
217
E663
CHANNEL 11/61
TOTAL
FLOW SYSTEM (LOW)
3.4-47.5 PPH
E671
218
E664
CHANNEL 12/62
TOTAL
FLOW SYSTEM (MID)
22-475 PPH
E672
219
E667
CHANNEL 13/63
TOTAL
FLOW SYSTEM (HIGH)
170-24700 PPH
G
F


5
4
3
DUAL STRAIN GAUGE
10A70-2X8
SLOT 1A11
DUAL STRAIN GAUGE
10A70-2X8
SLOT 1A12
E674
0-30 PSIG
± .50% FS
CHANNEL 20
E675
0-100 PSIG
± .50% FS
CHANNEL 21
E676
0-300 PSIG
± .50% FS
CHANNEL 22
E677
0-300 PSIG
± .50% FS
CHANNEL 23
E64
8 CHANNEL THERMOCOUPLE
10A8-8
SLOT 1A2
E65
THERMOCOUPLE OUTPUT
10A11
SLOT 1A1
E66
UNIVERSAL LOGIC I/O
10B10-16


2
1
REVISIONS
DESCRIPTION
H
T1
E641
CHANNEL 1
T2
E642
CHANNEL 2
T3
E643
CHANNEL 3
T4
E644
CHANNEL 4
T5
E645
CHANNEL 5
T6
E646
CHANNEL 6
T7
E647
CHANNEL 7
T8
E102
CHANNEL 8
REMOTE
E100 E101
SHEET 5, ZONE D-2
G
C
D
2
26
E655
50
49
47
45
43
41
E656
OACS
E657
OACS
E
XXXX
1
2
3
4
5
85
E660
E711
86
E661
E712
BIT NO. 0
TURBINE SWITCHING SOLENOID
LOW TO MID RANGE
BIT NO. 1
TURBINE SWITCHING SOLENOID
MID TO HIGH RANGE
F


35
36
SR
37
31
31
E558
MS8
E581
38
39
42
701
1/2 HP
START
40
41
SR
R-502 COMPRESSOR
WELL 1
E620
E26
WELL 1
ON
OFF
42
43
E748
44
E753
45
E557
MS 7
70L
R-13 COMPRESSOR
STARTER
SET AT
220 PSIG
SET AT
5" HG VAC OPEN
5 PSIG CLOSE
E787
E621
31
E749
46
E754
47
E558
MS 8
80L
R-502 COMPRESSOR
STARTER
SET AT
210 PSIG
SET AT
100 PSIG OPEN
130 PSIG CLOSE
E788
43
E26
G
E54
E789
48
5
6
1
222
SSR 2
E775
223
SET AT
125° F
20
2
BLK
7
BLK
18
19
RED
E761
RTD
WELL 1
TEMPERATURE
CONTROLLER
RANGE:
-80°F TO -0°F
SETPOINTS:
-80°F
E766
500W
E770
750W
42
SSR2
49
31
WELL 1
HEATERS
62
OFF
62
OFF
62
8
7
6


56
SR
57
51
51
E560
MS10
E583
58
59
703
1/3 HP
START
60
61
SR
R-502 COMPRESSOR
WELL 3
E622
E559
MS 9
90L
63
E750
64
R-502 COMPRESSOR
STARTER
SET AT
210 PSIG
E789
E27
G
E55
65
E790
66
51
WELL 2
TEMPERATURE
CONTROLLER
RANGE:
-10°F TO 80°F
SETPOINTS:
0°F
224
SSR 3
E776
235
SET AT
125° F
BLK
BLK
E762
RTD
RED
E771
750W
E772
750W
3
67
WELL 2
HEATERS
E623
E560
MS 10
100L
68
E751
69
R-502 COMPRESSOR
STARTER
SET AT
210 PSIG
E790
E28
G
E56
70
E791
71
51
WELL 3
TEMPERATURE
CONTROLLER
RANGE:
5°F TO 150°F
SETPOINTS:
60°F
226
SSR 4
E777
227
SET AT
175° F
BLK
BLK
E763
RTD
RED
4
72
E773
750W
WELL 3
HEATER
SSR
75
SSR
E30
WELL 5
ON
80
OFF
81
SSR
80
SSR
1276C01
NEXT ASS'Y
APPLICATION
5
4
3



QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
N/A	N/A	N/A

MATERIAL: N/A

FINISH: N/A

SIGNATURES		DATE
DWN	A. GERVASI	8-18-89
CHKD	[illegible]	3-20-90
ENGR	J. KUCZENSKI	3-15-89
QUAL		

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

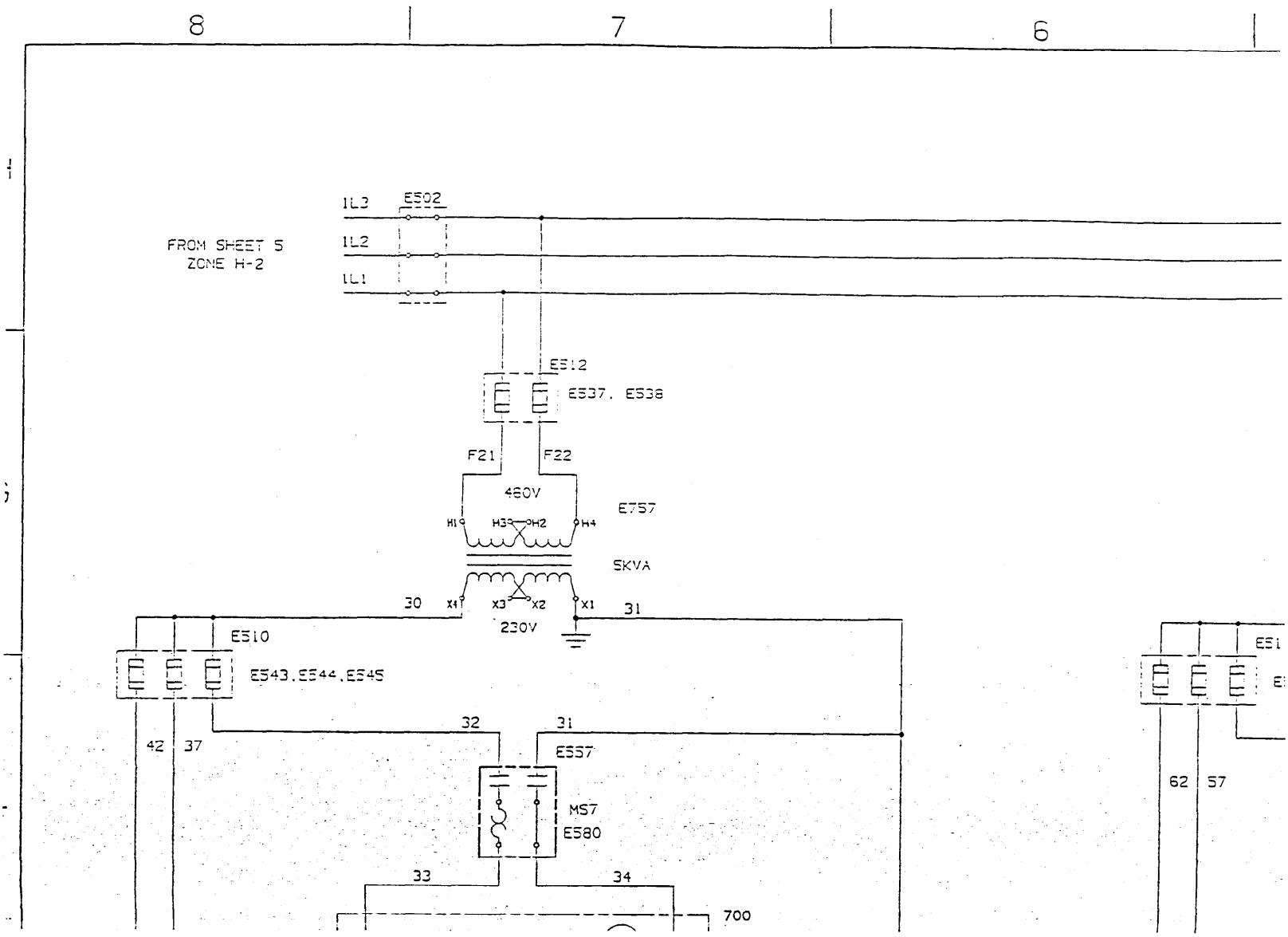
J52 FUEL ACCESSORIES TEST STAND

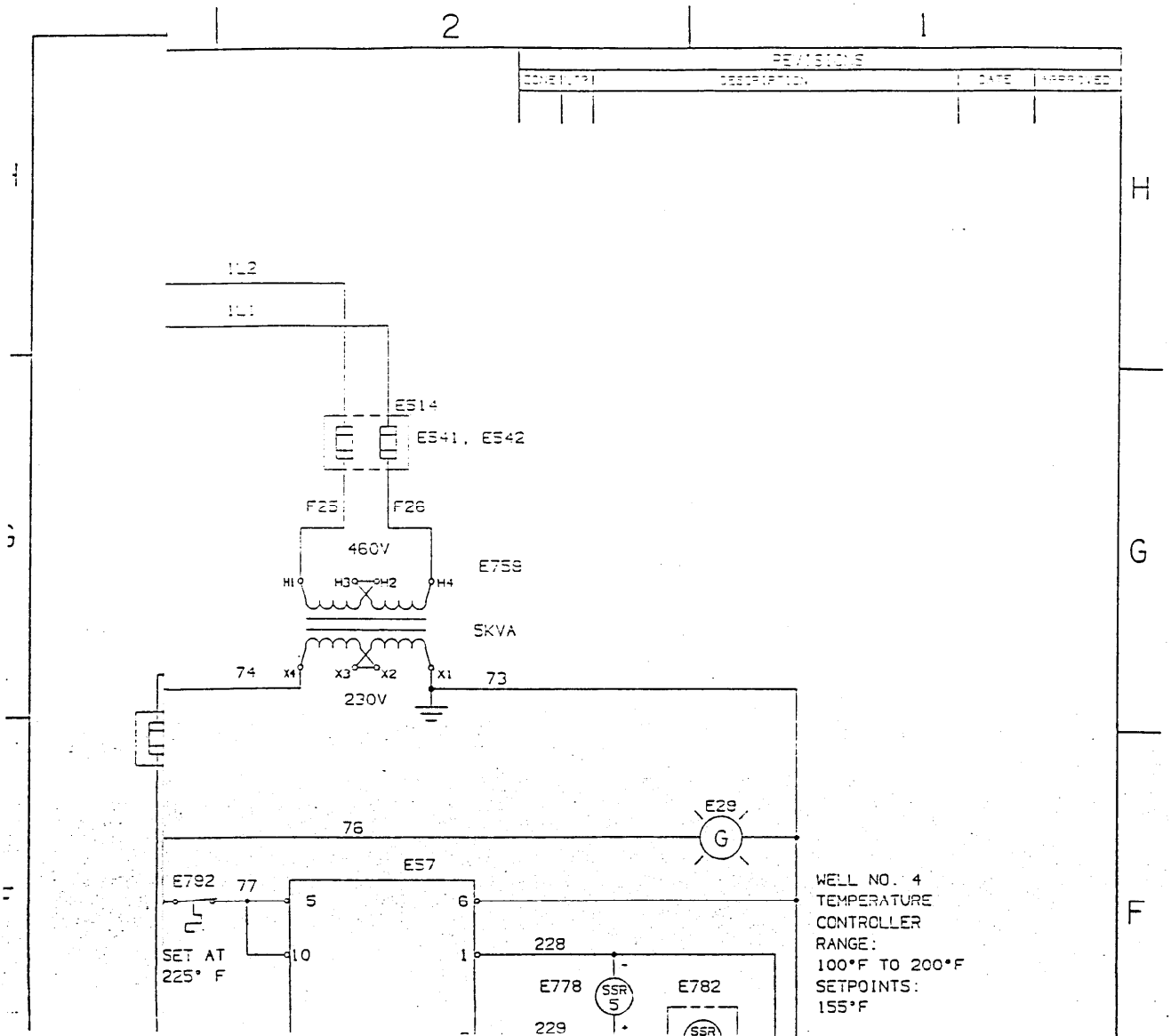
ELECTRICAL SCHEMATIC

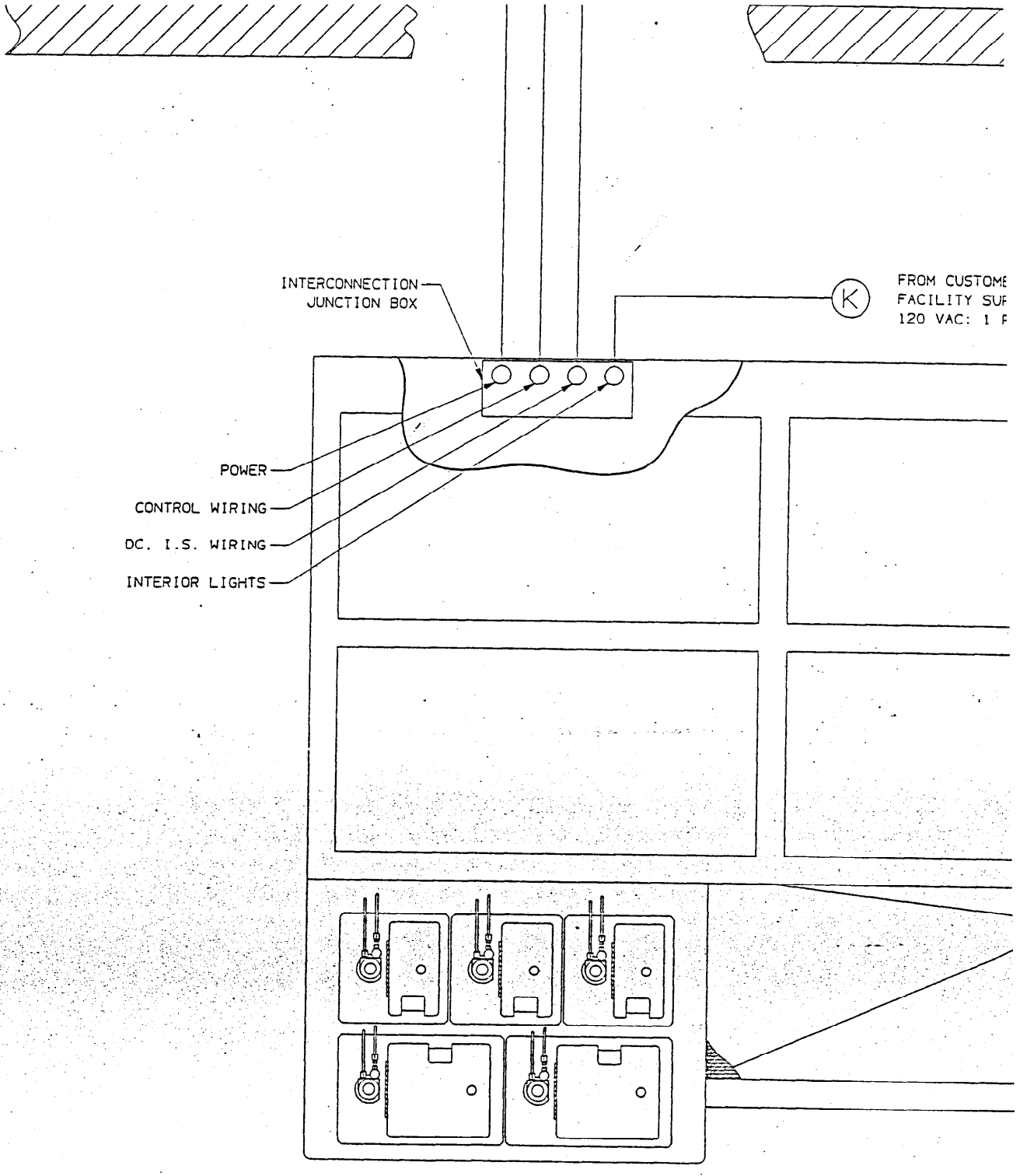
SIZE	FSCM NO.	DWG NO.	REV
E	70882	1276001T	

SCALE N/A | WEIGHT N/A | SHEET 8 OF 8

1276001T

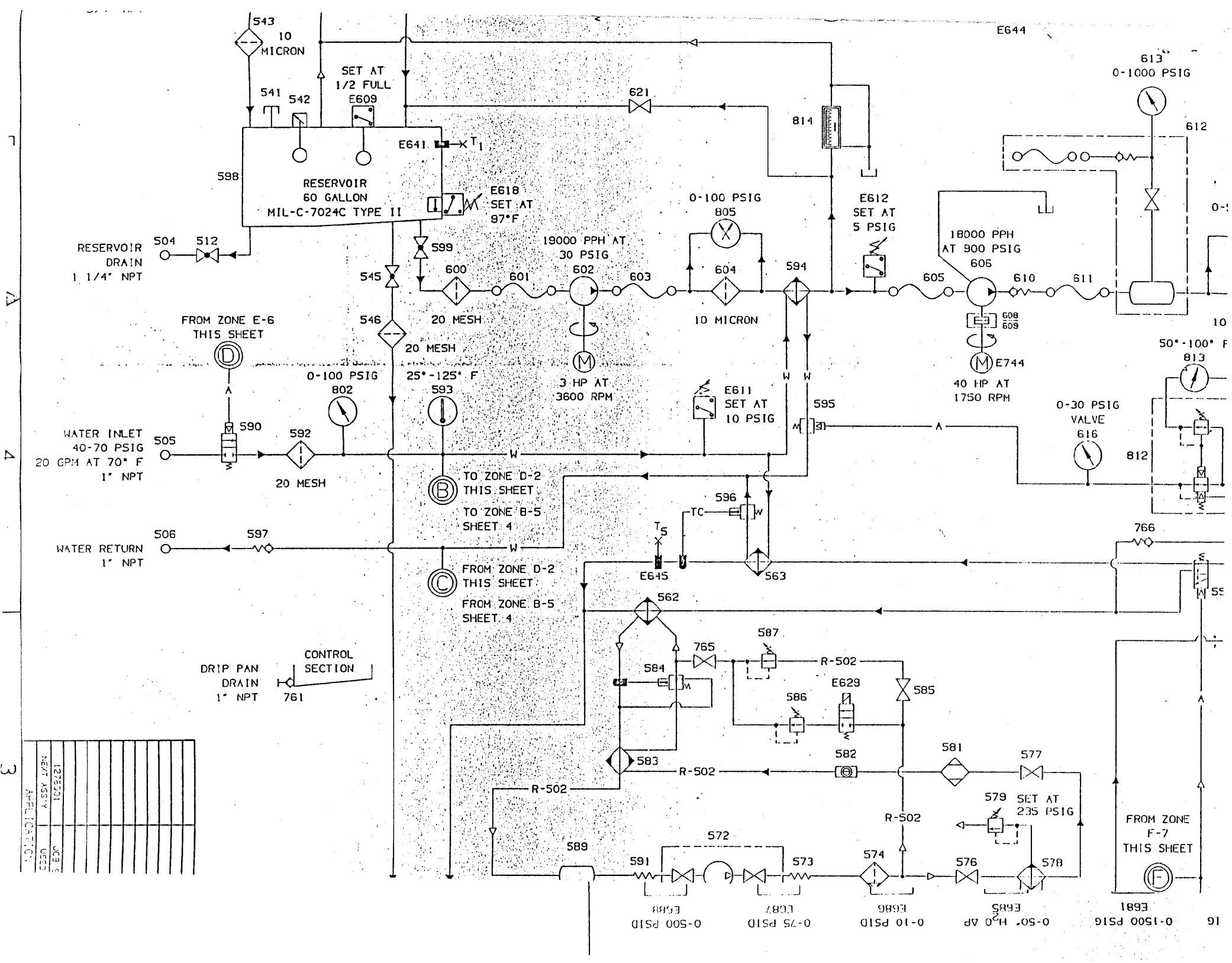

8
7
6
FROM SHEET 5
ZONE H-2
1L3
1L2
1L1
E502
E512
E537, E538
F21
F22
460V
E757
H1
H3
H2
H4
5KVA
30
X4
X3
X2
X1
31
230V
E510
E543,E544,E545
32
31
42
37
E557
MS7
E580
33
34
700
E51
62
57


2
1
REVISIONS
H
G
F
L2
L1
E514
E541, E542
F25
F26
460V
E759
H1
H3
H2
H4
5KVA
74
X4
X3
X2
X1
73
230V
E29
G
76
E57
E792
77
5
6
SET AT
225° F
10
1
228
E778
SSR
5
E782
229
WELL NO. 4
TEMPERATURE
CONTROLLER
RANGE:
100°F TO 200°F
SETPOINTS:
155°F

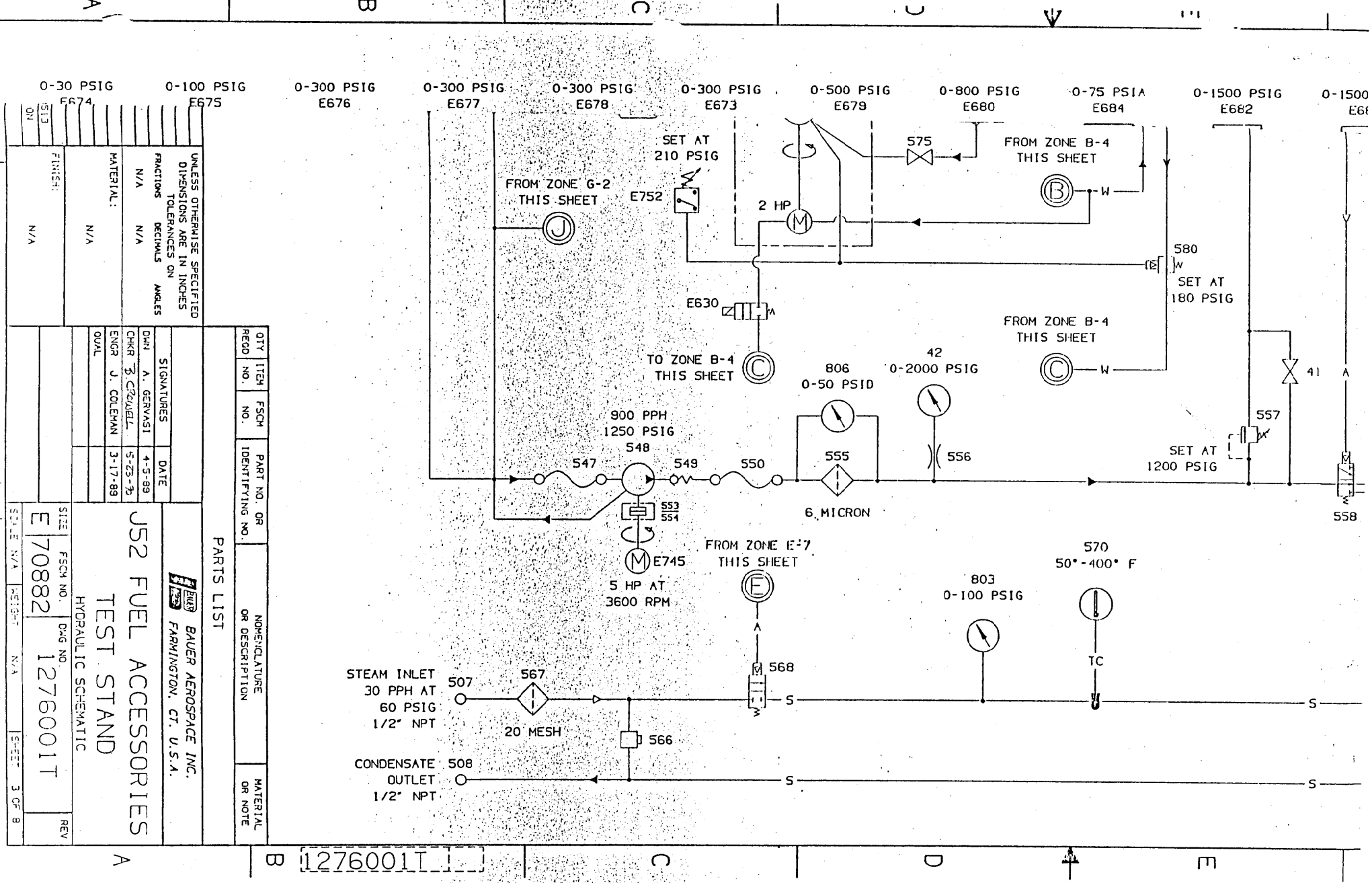

INTERCONNECTION
JUNCTION BOX
K
FROM CUSTOME
FACILITY SUF
120 VAC: 1 F
POWER
CONTROL WIRING
DC. I.S. WIRING
INTERIOR LIGHTS

TOP \

8 7 6



543
10 MICRON
SET AT 1/2 FULL
E609
541
542
621
814
E644
613
0-1000 PSIG
612
E641
T1
598
RESERVOIR
60 GALLON
MIL-C-7024C TYPE II
E618
SET AT 97°F
0-100 PSIG
805
E612
SET AT 5 PSIG
18000 PPH AT 900 PSIG
606
RESERVOIR DRAIN 1 1/4" NPT
504
512
599
19000 PPH AT 30 PSIG
602
600
601
603
604
594
605
610
611
545
20 MESH
10 MICRON
608
609
FROM ZONE E-6 THIS SHEET
546
20 MESH
3 HP AT 3600 RPM
E744
40 HP AT 1750 RPM
50°-100° F
813
0-100 PSIG
802
25°-125° F
593
E611
SET AT 10 PSIG
595
0-30 PSIG VALVE
616
WATER INLET 40-70 PSIG 20 GPM AT 70° F 1" NPT
505
590
592
20 MESH
812
TO ZONE D-2 THIS SHEET
TO ZONE B-5 SHEET 4
596
TC
T5
766
WATER RETURN 1" NPT
506
597
E645
563
FROM ZONE D-2 THIS SHEET
FROM ZONE B-5 SHEET 4
562
587
765
R-502
584
E629
585
586
DRIP PAN DRAIN 1" NPT
CONTROL SECTION
761
583
582
581
577
R-502
R-502
579
SET AT 235 PSIG
R-502
FROM ZONE F-7 THIS SHEET
572
589
591
573
574
576
578
E688
0-500 PSID
E687
0-75 PSID
E686
0-10 PSID
E685
0-50" H2O ΔP
E681
0-1500 PSIG



QTY REQD	ITEM NO.	FSCM NO.	PART NO. OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR NOTE

PARTS LIST

BAUER AEROSPACE INC.
FARMINGTON, CT. U.S.A.

SIGNATURES		DATE
DWN	A. GERVASI	4-5-89
CHKR	B. CRAWELL	5-23-90
ENGR	J. COLEMAN	3-17-89
QUAL		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS N/A DECIMALS N/A ANGLES N/A

MATERIAL: N/A

FINISH: N/A

J52 FUEL ACCESSORIES TEST STAND

HYDRAULIC SCHEMATIC

SIZE E | FSCM NO. 70882 | DWG NO. 1276001T | REV

SCALE N/A | WEIGHT N/A | SHEET 3 OF 8

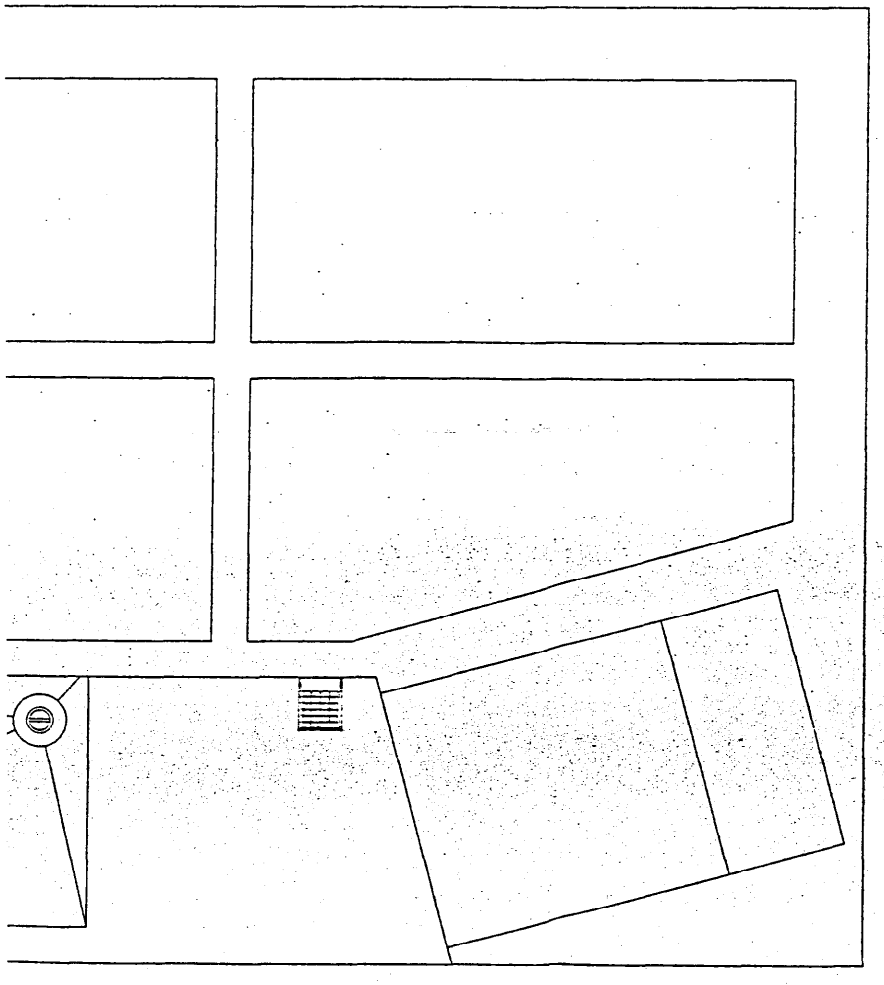
1276001T

FILE MASTER
5-23-90

HAZARDOUS AREA

C	2	61
D	2	16
E	3/4	3
F	3/4	6

50Hz.



EW

1278201	JOB 5513
NEXT ASS'Y	USED ON
APPLICATION	

5 4 3