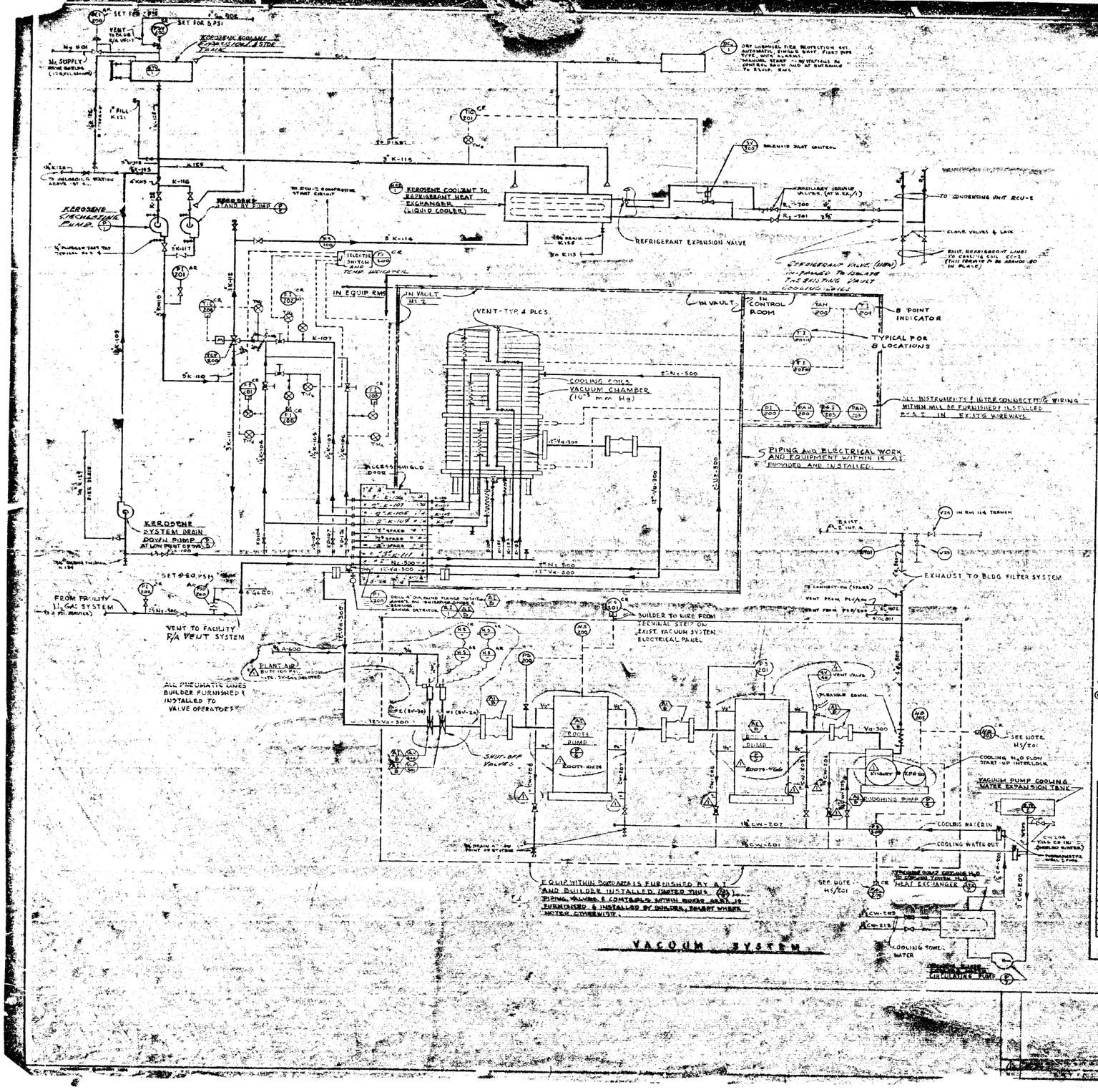


## LEGEND

### LINES

- LINE SIZE / FLUID SYMBOL / LINE NO. / LINE CLASS — e.g. 2"-CW433-A
- PRINCIPAL FLOW
- AUXILIARY FLOWS
- INSTRUMENT AIR LINE
- INSTRUMENT PRIMARY LINE
- INSTRUMENT CAPILLARY TUBING
- INSTRUMENT ELECTRIC AND THERMOCOUPLE LEADS
- INSTRUMENT RESISTANCE LEADS
- DUPLICATED PIPING (SEE REFERENCE DRAWING)
- GUARDED PIPING

### VALVES

V112-15 — VALVE NO.

- GATE
- GLOBE
- CHECK
- PLUG
- BUTTERFLY
- ANGLE
- THREE-WAY
- BELLOWS SEAL
- Y PATTERN
- NEEDLE (GLOBE)
- NEEDLE (ANGLE)
- LIQUID COOLED FREEZE SEAL
- GAS COOLED FREEZE SEAL
- NON-RETURN
- OFFSET GLOBE
- MANUAL REMOTE OPERATED

### GENERAL

- AREA LIMIT
- MATCH LINE
- SPEC "x" | SPEC "y" — SPECIFICATION CHANGES
- ITEM SUPPLIED WITH EQUIPMENT
- PIPE SUPPORT
- PIPE ANCHOR
- FLANGED UNION
- SCREWED UNION

### FITTINGS

- REDUCER
- WELDED CAP
- SCREWED OR SOCKET WELDED CAP
- PLUG
- DISCHARGE NOZZLE

### PIPING SPECIALTIES

VAPOR TRAP, FREEZE TRAP, STEAM TRAP, RUPTURE DISC, FUNNEL, SPECTACLE BLIND, EXPANSION JOINT, Y-TYPE STRAINER (WITH BLOW OFF VALVE, PIPING & CAP), HOSE CONNECTION, FLEXIBLE CONNECTION, STRESS RELIEVING JOINT

### CONTROL VALVES

TCV, FCV, LCV, PCV, PRV, RV, MV, DIAPHRAGM OPERATED, HANDWHEEL

— SELF-CONTAINED REGULATING VALVES —

TEMPERATURE, FLOW, LEVEL, PRESSURE, RELIEF, MANUAL

SV SOLENOID, M MOTOR OPERATED, P PISTON OPERATED

"A.O. AIR TO OPEN (AIR FAILURE CLOSES)
"A.C. AIR TO CLOSE (AIR FAILURE OPENS)

### INSTRUMENTATION

NOZZLE, ORIFICE, ON THE LINE FLOW IND., RESTRICTING ORIFICE, BOARD MOUNTED INSTR, LOCAL MOUNTED INSTR, THERMAL ELEMENTS THERMOWELL TYPE (TYPICAL), LOCAL MOUNTED TRANSMITTER, BOARD MOUNTED TRANSMITTER

FLOW ELEMENTS (TYPICAL)

* AR INDICATES UNITS TO BE LOCATED IN ACCESS AREA
** BOARD MOUNTED AI INSTALLED BY BUILDER TO WIRE TO J-BOX IN CONTROL ROOM

| LETTER | FIRST LETTER | MEANING IF USED AS SECOND LETTER | MEANING IF USED AS THIRD LETTER |
|---|---|---|---|
| A | ANALYZING | ALARM | AMPLIFIER |
| B | | BURNING | |
| C | CONDUCTIVITY | CONTROLLER | CONTROLLER |
| Cp | | COMPUTER | COMPUTER |
| C.R | | COUNT-RATE | |
| C.W | COOLING WATER | | |
| D | DENSITY | DETECTOR | D'SC |
| K | KEROSENE | | |
| E | ERROR | ELEMENT | ELEMENT |
| F | FLOW | | |
| $F_r$ | FLOW TO PWR COMP | | |
| $F_q$ | FLOW TOTALIZER | | |
| $N_2$ | NITROGEN | | |
| $H_g$ | MERCURY | | |
| G | GRAVITY | GLASS | |
| H | HAND | | HIGH |
| I | CURRENT | INDICATOR | INDICATOR |
| L | LEVEL | LINEAR | LOW |
| M | MOTOR | LOG | |
| $M_s.K$ | FREON-11 | | |
| M | MOISTURE | MONITOR | MOTOR |
| N | NEUTRON | NEUTRON | |
| O | | ORIFICE | |
| P | PRESSURE | | |
| $P_d$ | PRESS DIFF | | |
| $P_s$ | POSITION | | |
| pH | H-ION CONCENTRATION | | |
| $R_L$ | REFRIGERANT LIQUID | | |
| $R_s$ | REFRIGERANT SUCTION | | |
| R | RADIOACTIVITY | RECORDER | RECORDER |
| $R_t$ | | RATE | |
| S | SOLENOID | | SAFETY OR SWITCH |
| $S_c$ | SCALER | SCALER | SWITCH |
| $S_q$ | SCANNER | SCANNER | |
| T | TEMPERATURE | | |
| V | VISCOSITY | | VALVE |
| $V_b$ | VIBRATION | | |
| W | WEIGHT | WELL | |
| $W_a$ | WATT | | |
| X | | | |
| Y | | | SCRAM |
| Z | | | SET-POINT |
| $V_a$ | VACUUM | | |

NOTE: WHEN REQUIRED, THE FOLLOWING MAY BE USED OPTIONALLY AS A FIRST LETTER FOR PROCESS VARIABLES:
(1) READ-OUT, RECORDING OR RETAINING CHEMICAL SYMBOLS SUCH AS $CO_2$, $O_2$, ETC. MAY BE USED FOR THESE

HALF SIZE PRINT

NOTICE

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ATOMICS INTERNATIONAL
A DIVISION OF NORTH AMERICAN AVIATION, INC.
8900 DE SOTO AVENUE, CANOGA PARK, CALIF.

ENVIRONMENTAL TEST SYSTEMS - SUITE SIX-A
VACUUM TEST FACILITY - SUAPIO - PE1 -
P & I Diagram

| | | | | |
|---|---|---|---|---|
| DRAWN | | | SIZE E | 905-024-P18 |
| CHECKED | | | SCALE | |
| ENGR APPROVAL | | | | |
| PROJECT APPROVAL | | | | |

| NO. | REVISION | DATE | BY | APPROVED |
|---|---|---|---|---|
| 1 | ADD 2" CW-433-A | 3-2-62 | DRV | |
| 2 | ADD 2" CW-434-A | 3-9-62 | DRV | |
| 3 | ADD 2" CW-435-A | 3-23-62 | DRV | |
| 4 | ADD 2" CW-436-A | 4-6-62 | DRV | |
| 5 | ADD 2" CW-437-A | 4-20-62 | DRV | |
| 6 | ADD 2" CW-438-A | 5-4-62 | DRV | |
| 7 | ADD 2" CW-439-A | 5-18-62 | DRV | |
| 8 | ADD 2" CW-440-A | 6-1-62 | DRV | |
| 9 | ADD 2" CW-441-A | 6-15-62 | DRV | |
| 10 | ADD 2" CW-442-A | 6-29-62 | DRV | |
| 11 | ADD 2" CW-443-A | 7-13-62 | DRV | |
| 12 | ADD 2" CW-444-A | 7-27-62 | DRV | |
| 13 | ADD 2" CW-445-A | 8-10-62 | DRV | |
| 14 | ADD 2" CW-446-A | 8-24-62 | DRV | |
| 15 | ADD 2" CW-447-A | 9-7-62 | DRV | |
| 16 | ADD 2" CW-448-A | 9-21-62 | DRV | |
| 17 | ADD 2" CW-449-A | 10-5-62 | DRV | |
| 18 | ADD 2" CW-450-A | 10-19-62 | DRV | |
| 19 | ADD 2" CW-451-A | 11-2-62 | DRV | |
| 20 | ADD 2" CW-452-A | 11-16-62 | DRV | |
| 21 | ADD 2" CW-453-A | 11-30-62 | DRV | |
| 22 | ADD 2" CW-454-A | 12-14-62 | DRV | |
| 23 | ADD 2" CW-455-A | 12-28-62 | DRV | |
| 24 | ADD 2" CW-456-A | 1-11-63 | DRV | |
| 25 | ADD 2" CW-457-A | 1-25-63 | DRV | |
| 26 | ADD 2" CW-458-A | 2-8-63 | DRV | |
| 27 | ADD 2" CW-459-A | 2-22-63 | DRV | |
| 28 | ADD 2" CW-460-A | 3-8-63 | DRV | |
| 29 | ADD 2" CW-461-A | 3-22-63 | DRV | |
| 30 | ADD 2" CW-462-A | 4-5-63 | DRV | |
| 31 | ADD 2" CW-463-A | 4-19-63 | DRV | |
| 32 | ADD 2" CW-464-A | 5-3-63 | DRV | |
| 33 | ADD 2" CW-465-A | 5-17-63 | DRV | |
| 34 | ADD 2" CW-466-A | 5-31-63 | DRV | |
| 35 | ADD 2" CW-467-A | 6-14-63 | DRV | |
| 36 | ADD 2" CW-468-A | 6-28-63 | DRV | |
| 37 | ADD 2" CW-469-A | 7-12-63 | DRV | |
| 38 | ADD 2" CW-470-A | 7-26-63 | DRV | |
| 39 | ADD 2" CW-471-A | 8-9-63 | DRV | |
| 40 | ADD 2" CW-472-A | 8-23-63 | DRV | |
| 41 | ADD 2" CW-473-A | 9-6-63 | DRV | |
| 42 | ADD 2" CW-474-A | 9-20-63 | DRV | |
| 43 | ADD 2" CW-475-A | 10-4-63 | DRV | |
| 44 | ADD 2" CW-476-A | 10-18-63 | DRV | |
| 45 | ADD 2" CW-477-A | 11-1-63 | DRV | |
| 46 | ADD 2" CW-478-A | 11-15-63 | DRV | |
| 47 | ADD 2" CW-479-A | 11-29-63 | DRV | |
| 48 | ADD 2" CW-480-A | 12-13-63 | DRV | |
| 49 | ADD 2" CW-481-A | 12-27-63 | DRV | |
| 50 | ADD 2" CW-482-A | 1-10-64 | DRV | |
| 51 | ADD 2" CW-483-A | 1-24-64 | DRV | |
| 52 | ADD 2" CW-484-A | 2-7-64 | DRV | |
| 53 | ADD 2" CW-485-A | 2-21-64 | DRV | |
| 54 | ADD 2" CW-486-A | 3-6-64 | DRV | |
| 55 | ADD 2" CW-487-A | 3-20-64 | DRV | |
| 56 | ADD 2" CW-488-A | 4-3-64 | DRV | |
| 57 | ADD 2" CW-489-A | 4-17-64 | DRV | |
| 58 | ADD 2" CW-490-A | 5-1-64 | DRV | |
| 59 | ADD 2" CW-491-A | 5-15-64 | DRV | |
| 60 | ADD 2" CW-492-A | 5-29-64 | DRV | |
| 61 | ADD 2" CW-493-A | 6-12-64 | DRV | |
| 62 | ADD 2" CW-494-A | 6-26-64 | DRV | |
| 63 | ADD 2" CW-495-A | 7-10-64 | DRV | |
| 64 | ADD 2" CW-496-A | 7-24-64 | DRV | |
| 65 | ADD 2" CW-497-A | 8-7-64 | DRV | |
| 66 | ADD 2" CW-498-A | 8-21-64 | DRV | |
| 67 | ADD 2" CW-499-A | 9-4-64 | DRV | |
| 68 | ADD 2" CW-500-A | 9-18-64 | DRV | |
| 69 | ADD 2" CW-501-A | 10-2-64 | DRV | |
| 70 | ADD 2" CW-502-A | 10-16-64 | DRV | |
| 71 | ADD 2" CW-503-A | 10-30-64 | DRV | |
| 72 | ADD 2" CW-504-A | 11-13-64 | DRV | |
| 73 | ADD 2" CW-505-A | 11-27-64 | DRV | |
| 74 | ADD 2" CW-506-A | 12-11-64 | DRV | |
| 75 | ADD 2" CW-507-A | 12-25-64 | DRV | |
| 76 | ADD 2" CW-508-A | 1-8-65 | DRV | |
| 77 | ADD 2" CW-509-A | 1-22-65 | DRV | |
| 78 | ADD 2" CW-510-A | 2-5-65 | DRV | |
| 79 | ADD 2" CW-511-A | 2-19-65 | DRV | |
| 80 | ADD 2" CW-512-A | 3-5-65 | DRV | |
| 81 | ADD 2" CW-513-A | 3-19-65 | DRV | |
| 82 | ADD 2" CW-514-A | 4-2-65 | DRV | |
| 83 | ADD 2" CW-515-A | 4-16-65 | DRV | |
| 84 | ADD 2" CW-516-A | 4-30-65 | DRV | |
| 85 | ADD 2" CW-517-A | 5-14-65 | DRV | |
| 86 | ADD 2" CW-518-A | 5-28-65 | DRV | |
| 87 | ADD 2" CW-519-A | 6-11-65 | DRV | |
| 88 | ADD 2" CW-520-A | 6-25-65 | DRV | |
| 89 | ADD 2" CW-521-A | 7-9-65 | DRV | |
| 90 | ADD 2" CW-522-A | 7-23-65 | DRV | |
| 91 | ADD 2" CW-523-A | 8-6-65 | DRV | |
| 92 | ADD 2" CW-524-A | 8-20-65 | DRV | |
| 93 | ADD 2" CW-525-A | 9-3-65 | DRV | |
| 94 | ADD 2" CW-526-A | 9-17-65 | DRV | |
| 95 | ADD 2" CW-527-A | 10-1-65 | DRV | |
| 96 | ADD 2" CW-528-A | 10-15-65 | DRV | |
| 97 | ADD 2" CW-529-A | 10-29-65 | DRV | |
| 98 | ADD 2" CW-530-A | 11-12-65 | DRV | |
| 99 | ADD 2" CW-531-A | 11-26-65 | DRV | |
| 100 | ADD 2" CW-532-A | 12-10-65 | DRV | |
| 101 | ADD 2" CW-533-A | 12-24-65 | DRV | |
| 102 | ADD 2" CW-534-A | 1-7-66 | DRV | |
| 103 | ADD 2" CW-535-A | 1-21-66 | DRV | |
| 104 | ADD 2" CW-536-A | 2-4-66 | DRV | |
| 105 | ADD 2" CW-537-A | 2-18-66 | DRV | |
| 106 | ADD 2" CW-538-A | 3-4-66 | DRV | |
| 107 | ADD 2" CW-539-A | 3-18-66 | DRV | |
| 108 | ADD 2" CW-540-A | 4-1-66 | DRV | |
| 109 | ADD 2" CW-541-A | 4-15-66 | DRV | |
| 110 | ADD 2" CW-542-A | 4-29-66 | DRV | |
| 111 | ADD 2" CW-543-A | 5-13-66 | DRV | |
| 112 | ADD 2" CW-544-A | 5-27-66 | DRV | |
| 113 | ADD 2" CW-545-A | 6-10-66 | DRV | |
| 114 | ADD 2" CW-546-A | 6-24-66 | DRV | |
| 115 | ADD 2" CW-547-A | 7-8-66 | DRV | |
| 116 | ADD 2" CW-548-A | 7-22-66 | DRV | |
| 117 | ADD 2" CW-549-A | 8-5-66 | DRV | |
| 118 | ADD 2" CW-550-A | 8-19-66 | DRV | |
| 119 | ADD 2" CW-551-A | 9-2-66 | DRV | |
| 120 | ADD 2" CW-552-A | 9-16-66 | DRV | |
| 121 | ADD 2" CW-553-A | 9-30-66 | DRV | |
| 122 | ADD 2" CW-554-A | 10-14-66 | DRV | |
| 123 | ADD 2" CW-555-A | 10-28-66 | DRV | |
| 124 | ADD 2" CW-556-A | 11-11-66 | DRV | |
| 125 | ADD 2" CW-557-A | 11-25-66 | DRV | |
| 126 | ADD 2" CW-558-A | 12-9-66 | DRV | |
| 127 | ADD 2" CW-559-A | 12-23-66 | DRV | |
| 128 | ADD 2" CW-560-A | 1-6-67 | DRV | |
| 129 | ADD 2" CW-561-A | 1-20-67 | DRV | |
| 130 | ADD 2" CW-562-A | 2-3-67 | DRV | |
| 131 | ADD 2" CW-563-A | 2-17-67 | DRV | |
| 132 | ADD 2" CW-564-A | 3-3-67 | DRV | |
| 133 | ADD 2" CW-565-A | 3-17-67 | DRV | |
| 134 | ADD 2" CW-566-A | 3-31-67 | DRV | |
| 135 | ADD 2" CW-567-A | 4-14-67 | DRV | |
| 136 | ADD 2" CW-568-A | 4-28-67 | DRV | |
| 137 | ADD 2" CW-569-A | 5-12-67 | DRV | |
| 138 | ADD 2" CW-570-A | 5-26-67 | DRV | |
| 139 | ADD 2" CW-571-A | 6-9-67 | DRV | |
| 140 | ADD 2" CW-572-A | 6-23-67 | DRV | |
| 141 | ADD 2" CW-573-A | 7-7-67 | DRV | |
| 142 | ADD 2" CW-574-A | 7-21-67 | DRV | |
| 143 | ADD 2" CW-575-A | 8-4-67 | DRV | |
| 144 | ADD 2" CW-576-A | 8-18-67 | DRV | |
| 145 | ADD 2" CW-577-A | 9-1-67 | DRV | |
| 146 | ADD 2" CW-578-A | 9-15-67 | DRV | |
| 147 | ADD 2" CW-579-A | 9-29-67 | DRV | |
| 148 | ADD 2" CW-580-A | 10-13-67 | DRV | |
| 149 | ADD 2" CW-581-A | 10-27-67 | DRV | |
| 150 | ADD 2" CW-582-A | 11-10-67 | DRV | |
| 151 | ADD 2" CW-583-A | 11-24-67 | DRV | |
| 152 | ADD 2" CW-584-A | 12-8-67 | DRV | |
| 153 | ADD 2" CW-585-A | 12-22-67 | DRV | |
| 154 | ADD 2" CW-586-A | 1-5-68 | DRV | |
| 155 | ADD 2" CW-587-A | 1-19-68 | DRV | |
| 156 | ADD 2" CW-588-A | 2-2-68 | DRV | |
| 157 | ADD 2" CW-589-A | 2-16-68 | DRV | |
| 158 | ADD 2" CW-590-A | 3-1-68 | DRV | |
| 159 | ADD 2" CW-591-A | 3-15-68 | DRV | |
| 160 | ADD 2" CW-592-A | 3-29-68 | DRV | |
| 161 | ADD 2" CW-593-A | 4-12-68 | DRV | |
| 162 | ADD 2" CW-594-A | 4-26-68 | DRV | |
| 163 | ADD 2" CW-595-A | 5-10-68 | DRV | |
| 164 | ADD 2" CW-596-A | 5-24-68 | DRV | |
| 165 | ADD 2" CW-597-A | 6-7-68 | DRV | |
| 166 | ADD 2" CW-598-A | 6-21-68 | DRV | |
| 167 | ADD 2" CW-599-A | 7-5-68 | DRV | |
| 168 | ADD 2" CW-600-A | 7-19-68 | DRV | |
| 169 | ADD 2" CW-601-A | 8-2-68 | DRV | |
| 170 | ADD 2" CW-602-A | 8-16-68 | DRV | |
| 171 | ADD 2" CW-603-A | 8-30-68 | DRV | |
| 172 | ADD 2" CW-604-A | 9-13-68 | DRV | |
| 173 | ADD 2" CW-605-A | 9-27-68 | DRV | |
| 174 | ADD 2" CW-606-A | 10-11-68 | DRV | |
| 175 | ADD 2" CW-607-A | 10-25-68 | DRV | |
| 176 | ADD 2" CW-608-A | 11-8-68 | DRV | |
| 177 | ADD 2" CW-609-A | 11-22-68 | DRV | |
| 178 | ADD 2" CW-610-A | 12-6-68 | DRV | |
| 179 | ADD 2" CW-611-A | 12-20-68 | DRV | |
| 180 | ADD 2" CW-612-A | 1-3-69 | DRV | |
| 181 | ADD 2" CW-613-A | 1-17-69 | DRV | |
| 182 | ADD 2" CW-614-A | 1-31-69 | DRV | |
| 183 | ADD 2" CW-615-A | 2-14-69 | DRV | |
| 184 | ADD 2" CW-616-A | 2-28-69 | DRV | |
| 185 | ADD 2" CW-617-A | 3-14-69 | DRV | |
| 186 | ADD 2" CW-618-A | 3-28-69 | DRV | |
| 187 | ADD 2" CW-619-A | 4-11-69 | DRV | |
| 188 | ADD 2" CW-620-A | 4-25-69 | DRV | |
| 189 | ADD 2" CW-621-A | 5-9-69 | DRV | |
| 190 | ADD 2" CW-622-A | 5-23-69 | DRV | |
| 191 | ADD 2" CW-623-A | 6-6-69 | DRV | |
| 192 | ADD 2" CW-624-A | 6-20-69 | DRV | |
| 193 | ADD 2" CW-625-A | 7-4-69 | DRV | |
| 194 | ADD 2" CW-626-A | 7-18-69 | DRV | |
| 195 | ADD 2" CW-627-A | 8-1-69 | DRV | |
| 196 | ADD 2" CW-628-A | 8-15-69 | DRV | |
| 197 | ADD 2" CW-629-A | 8-29-69 | DRV | |
| 198 | ADD 2" CW-630-A | 9-12-69 | DRV | |
| 199 | ADD 2" CW-631-A | 9-26-69 | DRV | |
| 200 | ADD 2" CW-632-A | 10-10-69 | DRV | |
| 201 | ADD 2" CW-633-A | 10-24-69 | DRV | |
| 202 | ADD 2" CW-634-A | 11-7-69 | DRV | |
| 203 | ADD 2" CW-635-A | 11-21-69 | DRV | |
| 204 | ADD 2" CW-636-A | 12-5-69 | DRV | |
| 205 | ADD 2" CW-637-A | 12-19-69 | DRV | |
| 206 | ADD 2" CW-638-A | 1-2-70 | DRV | |
| 207 | ADD 2" CW-639-A | 1-16-70 | DRV | |
| 208 | ADD 2" CW-640-A | 1-30-70 | DRV | |
| 209 | ADD 2" CW-641-A | 2-13-70 | DRV | |
| 210 | ADD 2" CW-642-A | 2-27-70 | DRV | |
| 211 | ADD 2" CW-643-A | 3-13-70 | DRV | |
| 212 | ADD 2" CW-644-A | 3-27-70 | DRV | |
| 213 | ADD 2" CW-645-A | 4-10-70 | DRV | |
| 214 | ADD 2" CW-646-A | 4-24-70 | DRV | |
| 215 | ADD 2" CW-647-A | 5-8-70 | DRV | |
| 216 | ADD 2" CW-648-A | 5-22-70 | DRV | |
| 217 | ADD 2" CW-649-A | 6-5-70 | DRV | |
| 218 | ADD 2" CW-650-A | 6-19-70 | DRV | |
| 219 | ADD 2" CW-651-A | 7-3-70 | DRV | |
| 220 | ADD 2" CW-652-A | 7-17-70 | DRV | |
| 221 | ADD 2" CW-653-A | 7-31-70 | DRV | |
| 222 | ADD 2" CW-654-A | 8-14-70 | DRV | |
| 223 | ADD 2" CW-655-A | 8-28-70 | DRV | |
| 224 | ADD 2" CW-656-A | 9-11-70 | DRV | |
| 225 | ADD 2" CW-657-A | 9-25-70 | DRV | |
| 226 | ADD 2" CW-658-A | 10-9-70 | DRV | |
| 227 | ADD 2" CW-659-A | 10-23-70 | DRV | |
| 228 | ADD 2" CW-660-A | 11-6-70 | DRV | |
| 229 | ADD 2" CW-661-A | 11-20-70 | DRV | |
| 230 | ADD 2" CW-662-A | 12-4-70 | DRV | |
| 231 | ADD 2" CW-663-A | 12-18-70 | DRV | |
| 232 | ADD 2" CW-664-A | 1-1-71 | DRV | |
| 233 | ADD 2" CW-665-A | 1-15-71 | DRV | |
| 234 | ADD 2" CW-666-A | 1-29-71 | DRV | |
| 235 | ADD 2" CW-667-A | 2-12-71 | DRV | |
| 236 | ADD 2" CW-668-A | 2-26-71 | DRV | |
| 237 | ADD 2" CW-669-A | 3-12-71 | DRV | |
| 238 | ADD 2" CW-670-A | 3-26-71 | DRV | |
| 239 | ADD 2" CW-671-A | 4-9-71 | DRV | |
| 240 | ADD 2" CW-672-A | 4-23-71 | DRV | |
| 241 | ADD 2" CW-673-A | 5-7-71 | DRV | |
| 242 | ADD 2" CW-674-A | 5-21-71 | DRV | |
| 243 | ADD 2" CW-675-A | 6-4-71 | DRV | |
| 244 | ADD 2" CW-676-A | 6-18-71 | DRV | |
| 245 | ADD 2" CW-677-A | 7-2-71 | DRV | |
| 246 | ADD 2" CW-678-A | 7-16-71 | DRV | |
| 247 | ADD 2" CW-679-A | 7-30-71 | DRV | |
| 248 | ADD 2" CW-680-A | 8-13-71 | DRV | |
| 249 | ADD 2" CW-681-A | 8-27-71 | DRV | |
| 250 | ADD 2" CW-682-A | 9-10-71 | DRV | |
| 251 | ADD 2" CW-683-A | 9-24-71 | DRV | |
| 252 | ADD 2" CW-684-A | 10-8-71 | DRV | |
| 253 | ADD 2" CW-685-A | 10-22-71 | DRV | |
| 254 | ADD 2" CW-686-A | 11-5-71 | DRV | |
| 255 | ADD 2" CW-687-A | 11-19-71 | DRV | |
| 256 | ADD 2" CW-688-A | 12-3-71 | DRV | |
| 257 | ADD 2" CW-689-A | 12-17-71 | DRV | |
| 258 | ADD 2" CW-690-A | 12-31-71 | DRV | |
| 259 | ADD 2" CW-691-A | 1-14-72 | DRV | |
| 260 | ADD 2" CW-692-A | 1-28-72 | DRV | |
| 261 | ADD 2" CW-693-A | 2-11-72 | DRV | |
| 262 | ADD 2" CW-694-A | 2-25-72 | DRV | |
| 263 | ADD 2" CW-695-A | 3-10-72 | DRV | |
| 264 | ADD 2" CW-696-A | 3-24-72 | DRV | |
| 265 | ADD 2" CW-697-A | 4-7-72 | DRV | |
| 266 | ADD 2" CW-698-A | 4-21-72 | DRV | |
| 267 | ADD 2" CW-699-A | 5-5-72 | DRV | |
| 268 | ADD 2" CW-700-A | 5-19-72 | DRV | |
| 269 | ADD 2" CW-701-A | 6-2-72 | DRV | |
| 270 | ADD 2" CW-702-A | 6-16-72 | DRV | |
| 271 | ADD 2" CW-703-A | 6-30-72 | DRV | |
| 272 | ADD 2" CW-704-A | 7-14-72 | DRV | |
| 273 | ADD 2" CW-705-A | 7-28-72 | DRV | |
| 274 | ADD 2" CW-706-A | 8-11-72 | DRV | |
| 275 | ADD 2" CW-707-A | 8-25-72 | DRV | |
| 276 | ADD 2" CW-708-A | 9-8-72 | DRV | |
| 277 | ADD 2" CW-709-A | 9-22-72 | DRV | |
| 278 | ADD 2" CW-710-A | 10-6-72 | DRV | |
| 279 | ADD 2" CW-711-A | 10-20-72 | DRV | |
| 280 | ADD 2" CW-712-A | 11-3-72 | DRV | |
| 281 | ADD 2" CW-713-A | 11-17-72 | DRV | |
| 282 | ADD 2" CW-714-A | 12-1-72 | DRV | |
| 283 | ADD 2" CW-715-A | 12-15-72 | DRV | |
| 284 | ADD 2" CW-716-A | 12-29-72 | DRV | |
| 285 | ADD 2" CW-717-A | 1-12-73 | DRV | |
| 286 | ADD 2" CW-718-A | 1-26-73 | DRV | |
| 287 | ADD 2" CW-719-A | 2-9-73 | DRV | |
| 288 | ADD 2" CW-720-A | 2-23-73 | DRV | |
| 289 | ADD 2" CW-721-A | 3-9-73 | DRV | |
| 290 | ADD 2" CW-722-A | 3-23-73 | DRV | |
| 291 | ADD 2" CW-723-A | 4-6-73 | DRV | |
| 292 | ADD 2" CW-724-A | 4-20-73 | DRV | |
| 293 | ADD 2" CW-725-A | 5-4-73 | DRV | |
| 294 | ADD 2" CW-726-A | 5-18-73 | DRV | |
| 295 | ADD 2" CW-727-A | 6-1-73 | DRV | |
| 296 | ADD 2" CW-728-A | 6-15-73 | DRV | |
| 297 | ADD 2" CW-729-A | 6-29-73 | DRV | |
| 298 | ADD 2" CW-730-A | 7-13-73 | DRV | |
| 299 | ADD 2" CW-731-A | 7-27-73 | DRV | |
| 300 | ADD 2" CW-732-A | 8-10-73 | DRV | |
| 301 | ADD 2" CW-733-A | 8-24-73 | DRV | |
| 302 | ADD 2" CW-734-A | 9-7-73 | DRV | |
| 303 | ADD 2" CW-735-A | 9-21-73 | DRV | |
| 304 | ADD 2" CW-736-A | 10-5-73 | DRV | |
| 305 | ADD 2" CW-737-A | 10-19-73 | DRV | |
| 306 | ADD 2" CW-738-A | 11-2-73 | DRV | |
| 307 | ADD 2" CW-739-A | 11-16-73 | DRV | |
| 308 | ADD 2" CW-740-A | 11-30-73 | DRV | |
| 309 | ADD 2" CW-741-A | 12-14-73 | DRV | |
| 310 | ADD 2" CW-742-A | 12-28-73 | DRV | |
| 311 | ADD 2" CW-743-A | 1-11-74 | DRV | |
| 312 | ADD 2" CW-744-A | 1-25-74 | DRV | |
| 313 | ADD 2" CW-745-A | 2-8-74 | DRV | |
| 314 | ADD 2" CW-746-A | 2-22-74 | DRV | |
| 315 | ADD 2" CW-747-A | 3-8-74 | DRV | |
| 316 | ADD 2" CW-748-A | 3-22-74 | DRV | |
| 317 | ADD 2" CW-749-A | 4-5-74 | DRV | |
| 318 | ADD 2" CW-750-A | 4-19-74 | DRV | |
| 319 | ADD 2" CW-751-A | 5-3-74 | DRV | |
| 320 | ADD 2" CW-752-A | 5-17-74 | DRV | |
| 321 | ADD 2" CW-753-A | 5-31-74 | DRV | |
| 322 | ADD 2" CW-754-A | 6-14-74 | DRV | |
| 323 | ADD 2" CW-755-A | 6-28-74 | DRV | |
| 324 | ADD 2" CW-756-A | 7-12-74 | DRV | |
| 325 | ADD 2" CW-757-A | 7-26-74 | DRV | |
| 326 | ADD 2" CW-758-A | 8-9-74 | DRV | |
| 327 | ADD 2" CW-759-A | 8-23-74 | DRV | |
| 328 | ADD 2" CW-760-A | 9-6-74 | DRV | |
| 329 | ADD 2" CW-761-A | 9-20-74 | DRV | |
| 330 | ADD 2" CW-762-A | 10-4-74 | DRV | |
| 331 | ADD 2" CW-763-A | 10-18-74 | DRV | |
| 332 | ADD 2" CW-764-A | 11-1-74 | DRV | |
| 333 | ADD 2" CW-765-A | 11-15-74 | DRV | |
| 334 | ADD 2" CW-766-A | 11-29-74 | DRV | |
| 335 | ADD 2" CW-767-A | 12-13-74 | DRV | |
| 336 | ADD 2" CW-768-A | 12-27-74 | DRV | |
| 337 | ADD 2" CW-769-A | 1-10-75 | DRV | |
| 338 | ADD 2" CW-770-A | 1-24-75 | DRV | |
| 339 | ADD 2" CW-771-A | 2-7-75 | DRV | |
| 340 | ADD 2" CW-772-A | 2-21-75 | DRV | |
| 341 | ADD 2" CW-773-A | 3-7-75 | DRV | |
| 342 | ADD 2" CW-774-A | 3-21-75 | DRV | |
| 343 | ADD 2" CW-775-A | 4-4-75 | DRV | |
| 344 | ADD 2" CW-776-A | 4-18-75 | DRV | |
| 345 | ADD 2" CW-777-A | 5-2-75 | DRV | |
| 346 | ADD 2" CW-778-A | 5-16-75 | DRV | |
| 347 | ADD 2" CW-779-A | 5-30-75 | DRV | |
| 348 | ADD 2" CW-780-A | 6-13-75 | DRV | |
| 349 | ADD 2" CW-781-A | 6-27-75 | DRV | |
| 350 | ADD 2" CW-782-A | 7-11-75 | DRV | |
| 351 | ADD 2" CW-783-A | 7-25-75 | DRV | |
| 352 | ADD 2" CW-784-A | 8-8-75 | DRV | |
| 353 | ADD 2" CW-785-A | 8-22-75 | DRV | |
| 354 | ADD 2" CW-786-A | 9-5-75 | DRV | |
| 355 | ADD 2" CW-787-A | 9-19-75 | DRV | |
| 356 | ADD 2" CW-788-A | 10-3-75 | DRV | |
| 357 | ADD 2" CW-789-A | 10-17-75 | DRV | |
| 358 | ADD 2" CW-790-A | 10-31-75 | DRV | |
| 359 | ADD 2" CW-791-A | 11-14-75 | DRV | |
| 360 | ADD 2" CW-792-A | 11-28-75 | DRV | |
| 361 | ADD 2" CW-793-A | 12-12-75 | DRV | |
| 362 | ADD 2" CW-794-A | 12-26-75 | DRV | |
| 363 | ADD 2" CW-795-A | 1-9-76 | DRV | |
| 364 | ADD 2" CW-796-A | 1-23-76 | DRV | |
| 365 | ADD 2" CW-797-A | 2-6-76 | DRV | |
| 366 | ADD 2" CW-798-A | 2-20-76 | DRV | |
| 367 | ADD 2" CW-799-A | 3-5-76 | DRV | |
| 368 | ADD 2" CW-800-A | 3-19-76 | DRV | |
| 369 | ADD 2" CW-801-A | 4-2-76 | DRV | |
| 370 | ADD 2" CW-802-A | 4-16-76 | DRV | |
| 371 | ADD 2" CW-803-A | 4-30-76 | DRV | |
| 372 | ADD 2" CW-804-A | 5-14-76 | DRV | |
| 373 | ADD 2" CW-805-A | 5-28-76 | DRV | |
| 374 | ADD 2" CW-806-A | 6-11-76 | DRV | |
| 375 | ADD 2" CW-807-A | 6-25-76 | DRV | |
| 376 | ADD 2" CW-808-A | 7-9-76 | DRV | |
| 377 | ADD 2" CW-809-A | 7-23-76 | DRV | |
| 378 | ADD 2" CW-810-A | 8-6-76 | DRV | |
| 379 | ADD 2" CW-811-A | 8-20-