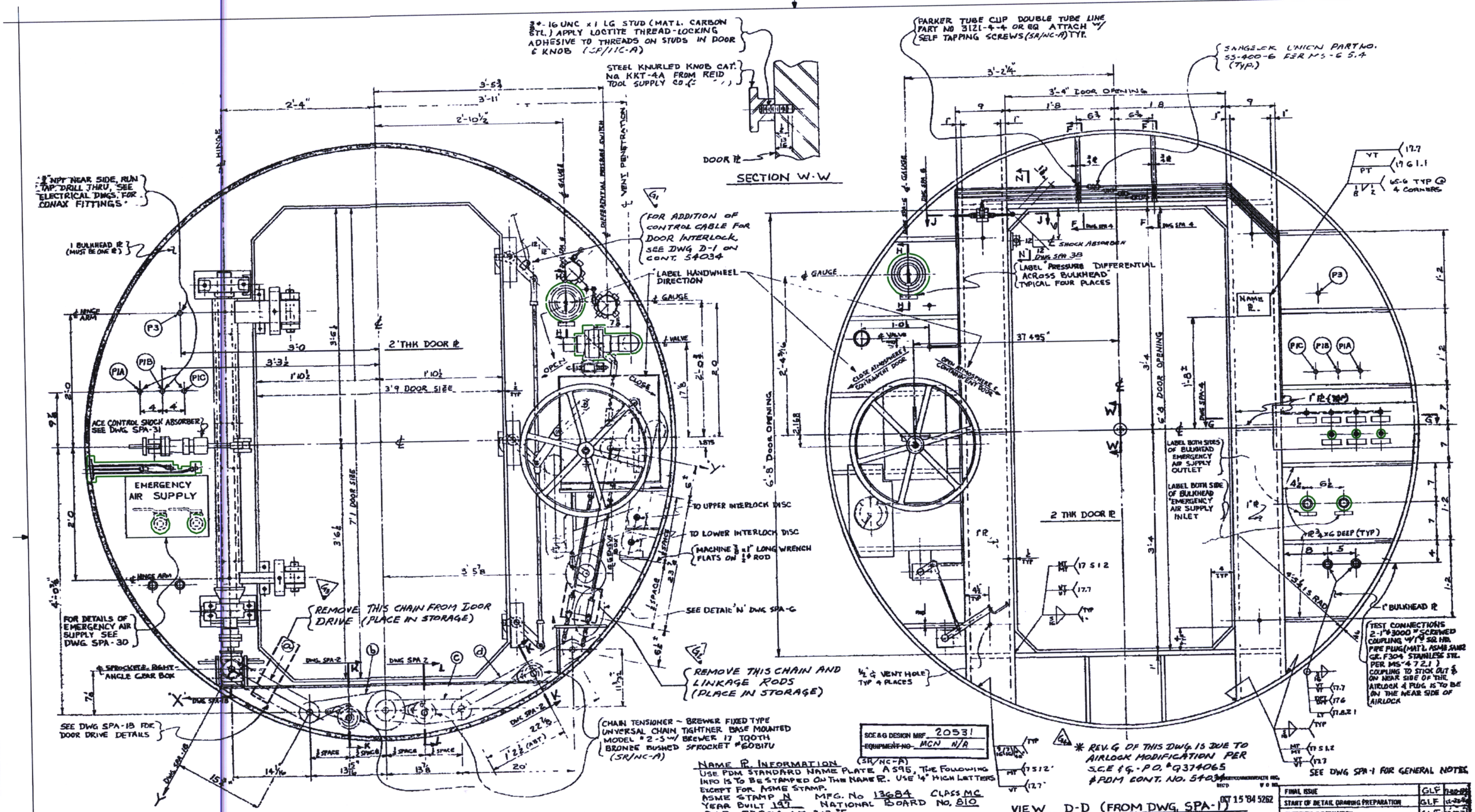
3/4"-16 UNC x 1 LG STUD (MAT'L. CARBON STL.) APPLY LOCTITE THREAD-LOCKING ADHESIVE TO THREADS ON STUDS IN DOOR & KNOB (SP/11C-A)
STEEL KNURLED KNOB CAT. NO KKT-4A FROM REID TOOL SUPPLY CO.
DOOR ℄
SECTION W-W
PARKER TUBE CLIP DOUBLE TUBE LINE PART NO 3121-4-4 OR EQ ATTACH W/ SELF TAPPING SCREWS (SA/NC-A) TYP.
SANGELOK UNION PART NO. SS-400-6 FOR MS-6 5.4 (TYP.)
3'-4" DOOR OPENING
3'-2¼"
2'-4"
3'-11"
2'-10½"
3'-5¾"
HINGE
GAUGE
VENT PENETRATION
DIFFERENTIAL PRESSURE SWITCH
¾" NPT NEAR SIDE, RUN TAP, DRILL THRU, SEE ELECTRICAL DWGS. FOR CONAX FITTINGS.
1 BULKHEAD ℄ (MUST BE ONE ℄)
FOR ADDITION OF CONTROL CABLE FOR DOOR INTERLOCK, SEE DWG D-1 ON CONT. 54034
LABEL HANDWHEEL DIRECTION
HINGE ARM
P3
P1A
P1B
P1C
2'THK DOOR ℄
3'-0
3'-3½
1'-10½
3'-9 DOOR SIZE
ACE CONTROL SHOCK ABSORBER SEE DWG. SPA-31
EMERGENCY AIR SUPPLY
7'-1 DOOR SIDE
OPEN
CLOSE
VALVE
TO UPPER INTERLOCK DISC
TO LOWER INTERLOCK DISC
MACHINE ⅜"x1" LONG WRENCH FLATS ON ⅜" ROD
SEE DETAIL 'N' DWG SPA-6
FOR DETAILS OF EMERGENCY AIR SUPPLY SEE DWG. SPA-30
REMOVE THIS CHAIN FROM DOOR DRIVE (PLACE IN STORAGE)
REMOVE THIS CHAIN AND LINKAGE RODS (PLACE IN STORAGE)
SPROCKET & RIGHT-ANGLE GEAR BOX
SEE DWG SPA-18 FOR DOOR DRIVE DETAILS
CHAIN TENSIONER - BREWER FIXED TYPE UNIVERSAL CHAIN TIGHTNER BASE MOUNTED MODEL #2-S w/ BREWER 17 TOOTH BRONZE BUSHED SPROCKET #60B17U (SR/NC-A)
6'-8" DOOR OPENING
2'-4 9/16
2'-1 5/8
37 4/25"
1'-0½
CLOSE ATMOSPHERE & CONTAINMENT DOOR
OPEN ATMOSPHERE & CONTAINMENT DOOR
LABEL PRESSURE DIFFERENTIAL ACROSS BULKHEAD (TYPICAL FOUR PLACES)
SHOCK ABSORBER
DWG SPA 38
DWG SPA 4
NAME R.
LABEL BOTH SIDES OF BULKHEAD EMERGENCY AIR SUPPLY OUTLET
LABEL BOTH SIDE OF BULKHEAD "EMERGENCY AIR SUPPLY INLET"
2 THK DOOR ℄
1" BULKHEAD ℄
TEST CONNECTIONS 2-1"# 3000 # SCREWED COUPLING 4"/9 SQ. HDL PIPE PLUG (MAT'L. ASME SA182 GR. F304 STAINLESS STL. PER MS-4721) COUPLING TO STICK OUT ⅛ ON NEAR SIDE OF THE AIRLOCK & PLUG IS TO BE ON THE NEAR SIDE OF AIRLOCK
½" ⌀ VENT HOLE TYP 4 PLACES
65-6 TYP @ 4 CORNERS
SEE DWG SPA-1 FOR GENERAL NOTES
* REV. G OF THIS DWG. IS DUE TO AIRLOCK MODIFICATION PER S.C.E & G.-P.O. #Q374065 & PDM CONT. NO. 54034
SCE&G DESIGN MRF 20531
EQUIPMENT NO. MCN N/A
NAME R. INFORMATION
USE PDM STANDARD NAME PLATE A595, THE FOLLOWING INFO IS TO BE STAMPED ON THE NAME R. USE 14" HIGH LETTERS EXCEPT FOR ASME STAMP.
ASME STAMP N MFG. No 13684 CLASS MC
YEAR BUILT 197 NATIONAL BOARD No. 810
D.I.P. 57 PSIG AT 312 °F
D.E.P. 3 PSIG AT 120 °F
LOWEST SERVICE METAL TEMP. 12 °F
SOUTH CAROLINA ELECTRIC and GAS COMPANY
PURCHASE ORDER No. SK-20037-SR
ⓐ ASA 60 ¾ PITCH ROLLER CHAIN 57 PITCHES LONG INCLUDING CONNECTING LINK (SR/NC-A)
ⓑ ASA 60 ¾ PITCH ROLLER CHAIN 63 PITCHES LONG INCLUDING CONNECTING LINK (SR/NC-A)
ⓒ ASA 60 ¾ PITCH ROLLER CHAIN 54 PITCHES LONG INCLUDING CONNECTING LINK (SR/NC-A)
ⓓ ASA 60 ¾ PITCH ROLLER CHAIN 77 PITCHES LONG INCLUDING CONNECTING LINK (SR/NC-A)
SECTION C-C (FROM DWG. SPA-1)
ATMOSPHERE BULKHEAD INSIDE SHOWN
NOTE
ON THIS DWG. DOORS ARE SHOWN CLOSED AND LATCHED. THE PRESSURE EQUALIZING VALVE IS ALSO SHOWN CLOSED
VIEW D-D (FROM DWG. SPA-1)
ATMOSPHERE BULKHEAD OUTSIDE SHOWN
PITTSBURGH-DES MOINES STEEL CO.
ENGINEERS-FABRICATORS-CONTRACTORS
REACTOR BUILDING LINER
VIRGIL C. SUMMER NUCLEAR STATION-UNIT No. 1
PERSONNEL ACCESS LOCK-ATMOSPHERE BULKHEAD
DESIGNED DRE 6-28-72
DRAWN DRE & JES
CHECKED GLF 9-16-73
SCALE 1½"=1'-0"
DESIGN FILE No.
CONTRACT No. 13684
DRAWING No SPA-1
DATE 2-28-75
FINAL ISSUE
START OF DETAIL DRAWING PREPARATION
CUSTOMER INFORMATION
MATERIAL PROCUREMENT
RELEASED FOR
DESIGN ENGINEERING
S.C. SUMMER NUCLEAR STATION JENKINSVILLE, S.C.
1MS-05-169
1
D-8
PLEX Drawing TR00160-006
1MS-05-169-7