DWG. NO.	CN-1493-RN043	REV. 1

S/R STATUS

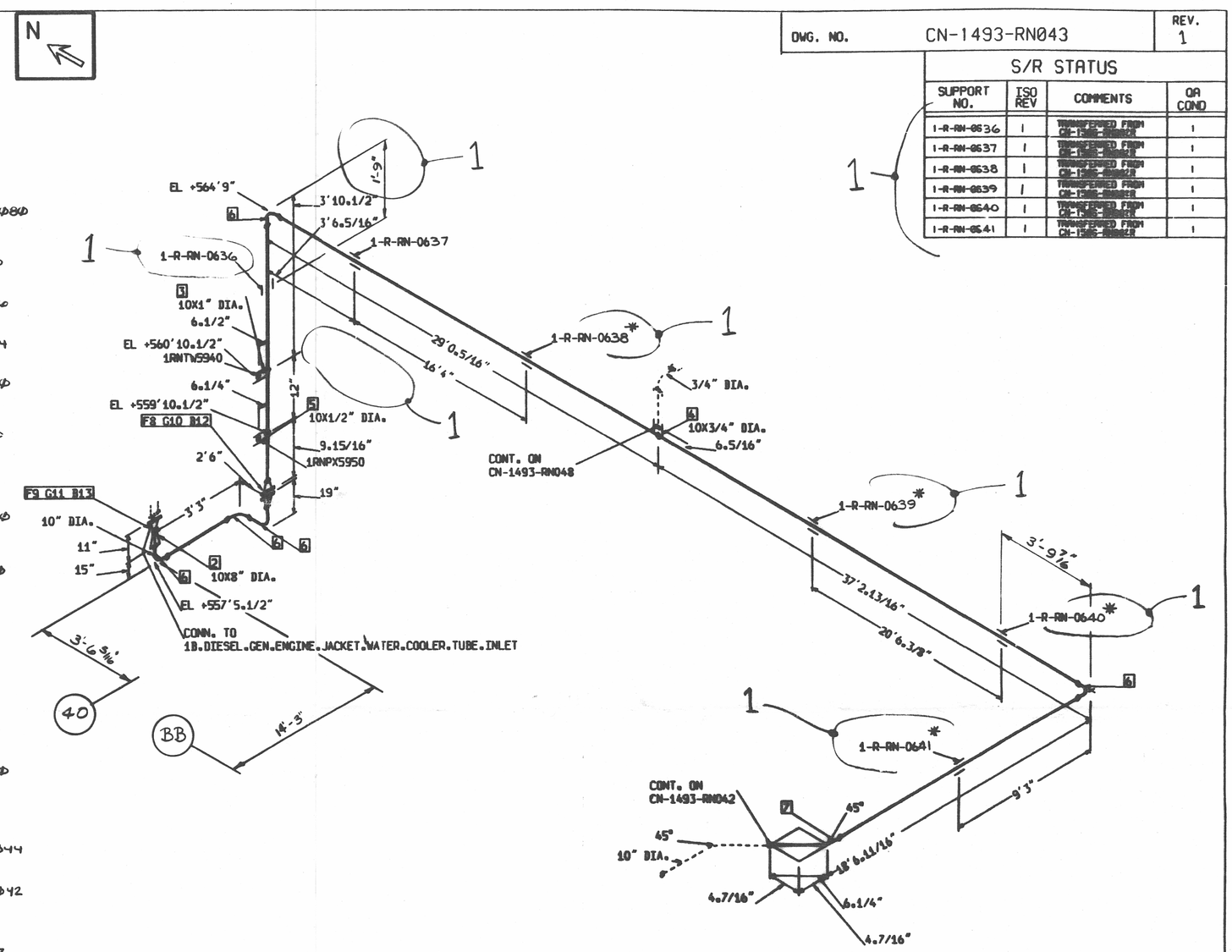
SUPPORT NO.	ISO REV	COMMENTS	QA COND
1-R-RN-0636	1	TRANSFERRED FROM CN-1493-RN042	1
1-R-RN-0637	1	TRANSFERRED FROM CN-1493-RN042	1
1-R-RN-0638	1	TRANSFERRED FROM CN-1493-RN042	1
1-R-RN-0639	1	TRANSFERRED FROM CN-1493-RN042	1
1-R-RN-0640	1	TRANSFERRED FROM CN-1493-RN042	1
1-R-RN-0641	1	TRANSFERRED FROM CN-1493-RN042	1

FABRICATION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.S. (INS)	ITEM CODE	QTY
	PIPE			
1	PIPE - ANSI STANDARDS B36.10 MATL = CARBON STEEL ASME SA106, GR.B SCHEDULE 40	10	PPAAAP I00A4AB1D00B100	85.5'
	FITTINGS			
2	CONCENTRIC REDUCER - BUTTWELD-ANSI B16.9MATL = CARBON STEEL ASME SA234 GR.WPBWALL THICKNESS = STANDARD WEIGHT	10X8	RCAAAB I00J3J3DA1D0B1000080	1
3	HALF COUPLING - CL 3000 SW - ANSI B16.11MATL = FORGED STEEL ASME SA105	10X1	LHAAJS I00J3M1FN4G00B40100	1
4	HALF COUPLING - CL 3000 SW - ANSI B16.11MATL = FORGED STEEL ASME SA105	10X3/4	LHAAJS I00J3M1FN4G00B00D0	1
5	HALF COUPLING - CL 3000 SW - ANSI B16.11MATL = FORGED STEEL ASME SA105	10X1/2	LHAAJS I00J3M1FN4G00B00P4	1
6	90 DEGREE LR ELBOW - BUTTWELD-ANSI B16.9MATL = CARBON STEEL ASME SA234 GR.WPBWALL THICKNESS = STANDARD WEIGHT	10	ELAAAB I00J3J3DE1D0B1000	5
7	45 DEGREE LR ELBOW - BUTTWELD-ANSI B16.9MATL = CARBON STEEL ASME SA234 GR.WPB	10	EFAAAB I00J3J30C1D0B1040	1
	FLANGES			
8	WELD NECK FLANGE - CL 150 RF-ANSI B16.5MATL = FORGED STEEL ASME SA105WALL THICKNESS = STANDARD WEIGHT	10	FWAAMR I00H4U8MA1D0B1000	2
9	WELD NECK FLANGE - CL 150 RF-ANSI B16.5MATL = FORGED STEEL ASME SA105WALL THICKNESS = STANDARD WEIGHT	8	FWAAMR I00H4U8MA1D0B3080	1

ERECTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.S. (INS)	ITEM CODE	QTY
	GASKETS			
10	GASKET - 150LB RF -1/16 INCH THICK API 601 SPIRAL WOUND 304 SS - NON ASBESTOS FILLER	10	GHAAMR I00S5W4RE9A1A1000	1
11	GASKET - 150LB RF -1/16 INCH THICK API 601 SPIRAL WOUND 304 SS - NON ASBESTOS FILLER	8	GHAAMR I00S5W4RE9A1A0080	1
	BOLTS			
12	4.1/2 STUD - ALLOY STEEL ASME SA193 GR B7, 9 UNC-2A, IFI 136 -	7/8	501899 I00D7B1ASIC0B0007044	12
13	4.1/4 STUD - ALLOY STEEL ASME SA193 GR B7, 10 UNC-2A, IFI 136 -	3/4	501899 I00D7B1ASIC0B0D0042	8
14	NUT, HVY HEX CARBON STL ASME SA194/2H 9 UNC-2B ANSI B18.2.2	7/8	I00D7B2ANIC0A00D7	24
15	NUT, HVY HEX CARBON STL ASME SA194/2H 10 UNC-2B ANSI B18.2.2	3/4	I00D7B2ANIC0A0D06	16



REV	CHK	APP	DATE	REV	CHK	APP	DATE
6	MBJ 7-12-19 CEW 7-30-19	DWB	8/20/19				

SUPPORT/RESTRAINT INFO VERIFIED AND APPROVED

TOLERANCE TABLE		
SUPPORT NO.	TOLERANCE	
1-R-RN-0638	12°N	12°S
1-R-RN-0639	12°N	6°S
1-R-RN-0640	12°N	0°S
1-R-RN-0641	0°E	12°W

Q A CONDITION 1
NUCLEAR SAFETY RELATED

VALVE LIST		PIPE SPEC	NOTES: 1. SEE FLOW DIAGRAM CN-1574-2.9
MARK NO.	SIZE	PS-150.3	2. SEE COMPOSITE DWG. NO. CN-1493-01.09-03
			3. # SEE TOLERANCE TABLE
		PIPE CLASS	
		C	

NO.	REVISION	DRVN	CHKD PDS	CHKD D/H	APP	DATE	INSPECTED CIVIL	ELEC	MECH
1	REV. PER SPR #CNPR-05601	8-23-20	8-27-20	N/A			N/A		
ORIG	ISSUED PER SPR NO. CNPR-04328	8-23-20	8-27-20			11-4-19			

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 1

DIESEL GENERATOR BUILDING

NUCLEAR SERVICE WATER SYSTEM (RN)

PIPING ISOMETRIC

DWG. NO.	CN-1493-RN043	REV. 1

D-02

THIS COPY HAS BEEN COMPARED WITH THE CONTROL COPY AND IS VERIFIED CORRECT. INITIAL ccm DATE 3/3/21 TIME 1300